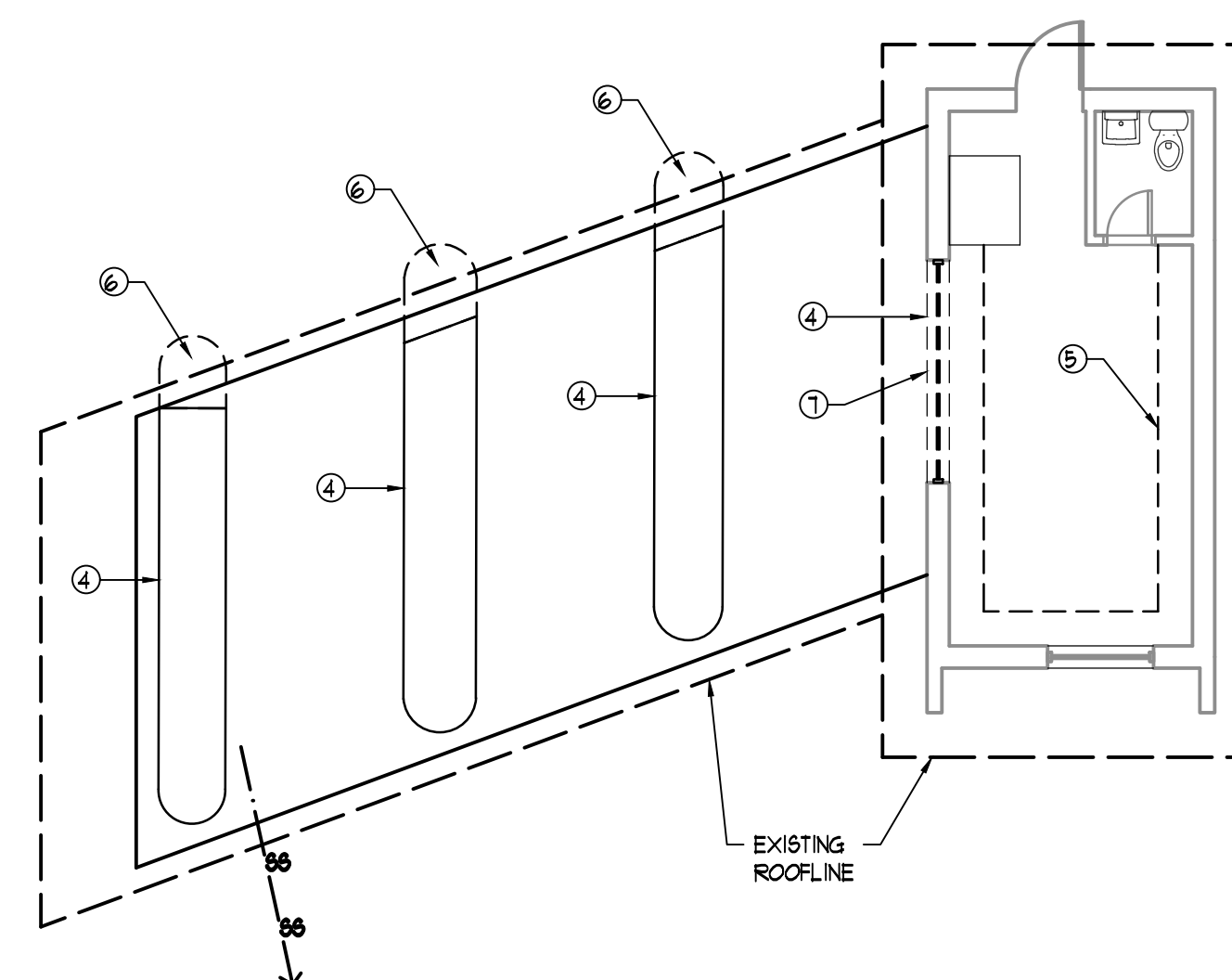


1 DEMO PLAN - BLDG A

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



2 DEMO PLAN - BLDG B

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

| |
|------------------------|
| JOB NO: 2021-016 |
| DATE: 2021-10-05 |
| DESC: FOR CONSTRUCTION |

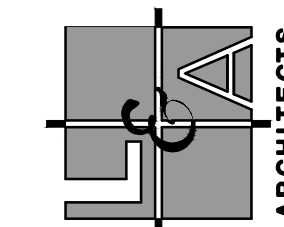
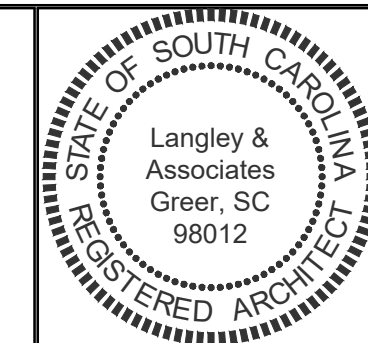
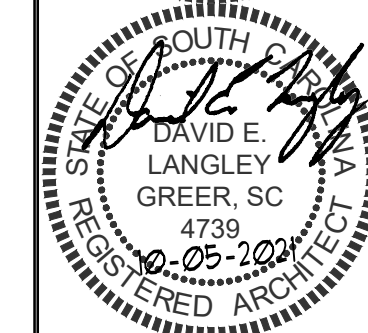
**INTERIOR RENOVATIONS FOR
UNION COUNTY SHERIFF'S OFFICE**
200 EAST MAIN ST - UNION, SC

DEMO PLANS

LANGLEY
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GREER, SOUTH CAROLINA 29650
PHONE: (864) 968 - 0224
FAX: (864) 968 - 9550

[illegible]

DEMOLITION NOTES:

1. REMOVE TELLER COUNTERS - PATCH FLOOR WITH MATERIALS TO MATCH AS REQUIRED.
2. CREATE A CASED OPENING - DEMO WALL ABOVE REQUIRED HEIGHT TO MATCH SURROUNDING DOORS. PATCH FLOOR WITH MATERIALS TO MATCH AS REQUIRED
3. REMOVE WALL AS REQUIRED FOR INSTALLATION OF GLASS AND DOOR - PATCH DOOR WITH MATERIALS TO MATCH AS REQUIRED.
4. REMOVE BANK DRIVE THRU EQUIPMENT (TUBES, ETC.) AS REQUIRED.
5. REMOVE COUNTERS INSIDE DRIVE THRU
6. REMOVE PORTION OF CONCRETE ISLANDS THAT EXTEND BEYOND NEW WALLS (AS SHOWN).
7. REMOVE UNDESIRED PORTION OF WALL ABOVE WINDOW TO CREATE 1'-0" Cased Opening.
8. DEMO EXISTING CABINETRY & INSTALL ADA ACCESSIBLE VANITY.
9. REMOVE TEMPORARY WALL PANEL TO REVEAL FULL OF MASONRY (TO MATCH EXISTING) AT NIGHT-DROP BOX LOCATION.

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3 INTERIOR ELEVATIONS

GENERAL NOTES - BUILDING A:





1. PATCH FLOORS WHERE WALLS ARE REMOVED. INSTALL CARPET IN PATCH AREAS AS REQ'D. TO MATCH EXISTING CARPET.
2. EXISTING FLOOR TILE TO REMAIN. COVER EXISTING TILE WITH CARPET TO MATCH EXISTING CARPET. PATCH/FLOAT FLOOR AS REQUIRED FOR SMOOTH SURFACES & TRANSITIONS.
3. PAINT ALL NEW WALLS TO MATCH EXISTING.
4. TOUCH-UP EXISTING WALLS AS REQUIRED.



CONSTRUCTION NOTES:

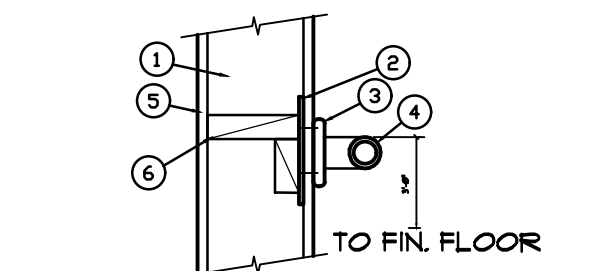
2. EXISTING IT, AND PHONE FOR BUILDING TO REMAIN
3. NEW METAL STUD WALL, EXTENDING TO BOTTOM OF ROOF DECK WITH METAL MESH OVER METAL STUDS (FOR SECURITY, EACH SIDE) AND $\frac{3}{4}$ " TYPE "X" FIRE RATED GYPSUM BOARD EACH SIDE - SEE DETAIL 44A/3.0
4. NEW $\frac{3}{8}$ " METAL STUD WALL, EXTENDING TO BOTTOM OF EXISTING 1"4" X 1"2" SOLID WOOD DOOR AND METAL FRAME, ANCHOR METAL STUD TRACK TO SOFFIT FRAMING, OR USE METAL STUD BRACING AT 4'-0" TO EXTEND THRU CEILING TO ANCHOR TO ROOF STRUCTURE ABOVE - SEE DETAIL 4B/A3.0
5. NEW STOREFRONT GLASS AND STOREFRONT FRAME SIMILAR TO EXISTING OFFICE GLASS -
 - 1. NEW 2'-0" X 7'-0" SOLID WOOD DOOR AND METAL FRAME SIMILAR TO EXISTING OFFICE DOORS
 - 2. DOORS TO HAVE LEVER HANDLES, $\frac{1}{2}$ PAIR OF HINGES AND SILENCERS
 - 3. DOOR INTO LOBBY TO HAVE CLOSURE DEVICE. CLOSURE NOT REQUIRED FOR OTHER DOORS
 - 4. DOORS TO HAVE KEYPAD LOCK SETS, WITH OPTION FOR KEYPAD LOCKS
6. DOOR TO EVIDENCE AREA TO HAVE KEYPAD LOCK
 - 1. 1'-0" DEPTH P-LAM SERVICE COUNTERTOP SET AT 42" ABOVE FINISHED FLOOR. SUPPORT WITH BRACES BELOW COUNTERTOP AT 36" O.C.
 - 2. 2'-0" DEPTH P-LAM SERVICE COUNTERTOP SET AT 42" ABOVE FINISHED FLOOR. SUPPORT WITH BRACES BELOW COUNTERTOP AT 36" O.C.
7. STOREFRONT SERVICE WINDOW WITH TEMPERED GLASS AND PASS-THRU ACCESS GUTOUT AT BOTTOM OF WINDOW. WINDOW 3'-0" WIDE X 42" HIGH
8. NEW $\frac{3}{4}$ " WOOD STUD WALL WITH BRICK VENEER WALLS TO HAVE $\frac{1}{2}$ " O.S.B. ON PLYWOOD WITH HOUSEWRAP. WALLS TO HAVE $\frac{1}{2}$ " GYPSUM BOARD ON INTERIOR WALLS TO HAVE R-19 INSULATION
9. NEW CONCRETE SLAB POURED FOR FLOOR. FLOOR LEVEL TO MATCH EXISTING FLOOR LEVEL
10. NEW INTERIOR SOLID-CORE WOOD DOOR IN METAL FRAME, NO GLAZING. PROVIDE $\frac{1}{2}$ PAIR OF HINGES, LEVER HANDLE WITH LOCK SET, AND SILENCERS.
11. NEW SEALER LINE TO CONNECT TO SEALER IN STREET. $\frac{1}{4}$ P.V.C.
12. NEW EXTERIOR METAL DOOR AND METAL FRAME. PROVIDE LEVER HANDLE WITH LOCKS OR KEYPAD ENTRY DEVICE, $\frac{1}{2}$ PAIR OF HINGES, DOOR CLOSURE AND SILENCERS.
13. 3'-0" W X 2'-0" FIXED WINDOW SET AT 1'-4" TO TOP OF MASONRY OPENING.
14. EXISTING CEILING AT DRIVE THRU CANOPY TO REMAIN AS CEILING IN NEW PATROL ROOM. PATCH AND REPAIR ANY CRACKS, CEILING AND REPAIR ANY
15. NEW LIGHTING IN PATROL ROOM TO BE SURFACE MOUNTED LED STRIP FIXTURE 4'-0" LONG. PROVIDE 1 FIXTURES USE WIRING FROM EXISTING FIBER OPTICS TO POWER NEW LIGHTS.
16. NEW RESTROOM TO MEET ADA REQUIREMENTS.
 - 1. PROVIDE EXHAUST FAN VENTED THRU WALL TO EXTERIOR IN NEW RESTROOM
 - 2. PROVIDE 1 LED CAN LIGHT
 - 3. PROVIDE SWITCHES ON WALL, BESIDE DOOR
17. EXISTING SAFE TO REMAIN
18. EXISTING RESTROOM TO REMAIN
19. EXISTING WINDOW TO REMAIN
20. EXISTING HVAC TO REMAIN IN PATROL OFFICE. RE-WORK DUCT LOCATIONS TO FIT
21. INSTALL NEW DUCT-LESS MINI-SPLIT ON WALL IN PATROL ROOM. HVAC SUBCONTROLLER TO SIZE UNIT ACCORDINGLY. LOCATE OUTSIDE EQUIPMENT ON CONCRETE PAD AS SHOWN
22. FILL IN WALL WITH BRICK TO MATCH EXISTING
23. APPROXIMATE LOCATION OF EXISTING ROOF HATCH. CONTRACTOR TO ADD INTERIOR LOCK TO ROOF HATCH.
24. INSTALL NEW $\frac{1}{2}$ " P.V.C. WATER LINE OVERHEAD FROM EXISTING RESTROOM TO NEW RESTROOM. PROVIDE $\frac{1}{2}$ " MIN. UNFACED BATT INSULATION IN ATTIC OVER WATER LINE.

LIFE SAFETY DEVICE KEY:

-  INDICATES EMERGENCY EXIT LIGHT/SIGN LOCATIONS.
CONTRACTOR TO VERIFY IF EXISTING, OR INSTALL NEW.
ARROW, IF ANY, INDICATES REQUIRED DIRECTION MARKER.
-  INDICATES CEILING-MOUNTED DOUBLED FAUCE EMERGENCY
EXIT SIGN. CONTRACTOR TO VERIFY IF EXISTING, OR
INSTALL NEW. ARROW, IF ANY, INDICATES REQUIRED
DIRECTION MARKER.
-  INDICATES EXTERIOR EMERGENCY LIGHT. TIE INTO
BATTERY SUPPLY ON INTERIOR EMERGENCY LIGHT.
-  INDICATES CEILING-MOUNTED SMOKE DETECTOR.

| TOILET ACCESSORY SCHEDULE | |
|---------------------------|---|
| 1 | 36" LONG GRAB BAR ASI 3600P SERIES, TYPE 61 CONFIGURATION, FEENED FINISH (OR APPROVED EQUAL) |
| 2 | 42" LONG GRAB BAR ASI 3600P SERIES, TYPE 61 CONFIGURATION, FEENED FINISH (OR APPROVED EQUAL) |
| 3 | 18" LONG GRAB BAR ASI 3600P SERIES, TYPE 61 CONFIGURATION, FEENED FINISH (OR APPROVED EQUAL) |
| 4 | MIRROR UNIT (24" x 36") (ADA MOUNTING HEIGHT) ASI 0210 SERIES, STAINLESS STEEL (OR APPROVED EQUAL) |
| 5 | PAPER TOWEL DISPENSER ASI 0210 C-FOLD, STAINLESS STEEL (OR APPROVED EQUAL) |
| 6 | ELECTRIC HAND DRYER XLERATOR XL-SB, STAINLESS STEEL (OR APPROVED EQUAL) |
| 7 | LIQUID SOAP DISPENSER OWNER FURNISHED, CONTRACTOR INSTALLED |
| 8 | TOILET TISSUE DISPENSER OWNER FURNISHED, CONTRACTOR INSTALLED |
| 9 | SANITARY DISPOSAL EQUIVALENT APPROVED EQUAL |
| 10 | DIAPER CHANGING STATION OWNER FURNISHED, CONTRACTOR INSTALLED |
| 11 | UNDERDRAIN PIPE COVER LAWGRAD 72T SERIES (OR APPROVED EQUAL) |
| 12 | TOILET PARTITIONS REFER TO SPECIFICATIONS |

NOTE: PROVIDE ANCHORS IN WALLS FOR ACCESSORY ITEMS AS INDICATED. SEE ACCESSORY SCHEDULE FOR MANUF. AND MODEL.



1. MTL. STUDS
2. FACTORY SUPPLIED WALL MOUNTING BRACKETS.
3. COVER PLATE
4. GRAB BAR
5. 3/8" GYP. BD. BOTH SIDES OF STUDS.
6. WOOD BLOCKING

4 NOTES & SCHEDULES

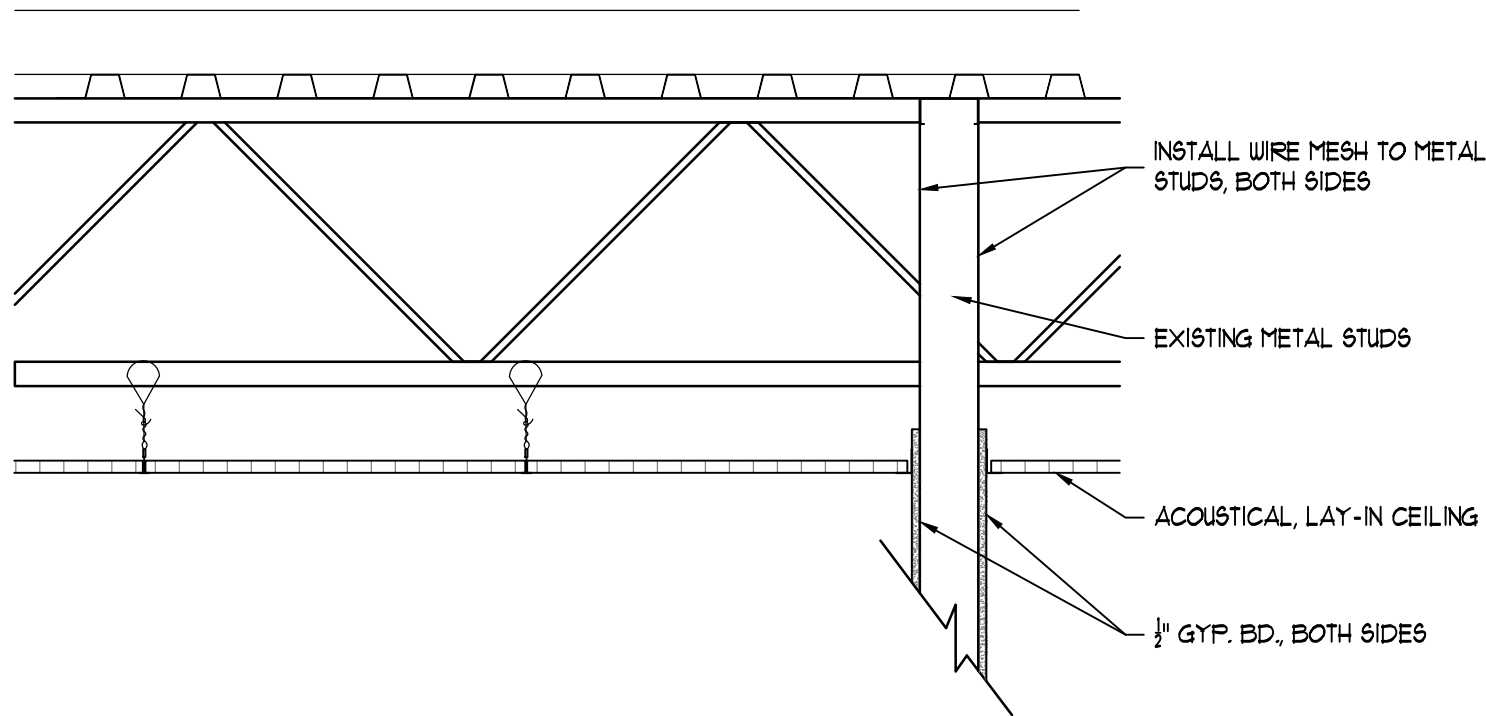
SCALE: N/A

GENERAL NOTES - BUILDING B:

1. INSTALL FLOOR LEVELING COMPOUND IN NEW PATROL ROOM, AS REQ'D, FOR NEW LVT FLOORING.
2. INSTALL NEW LVT FLOORING IN ALL AREAS.
3. PAINT ALL INTERIOR WALLS, COLOR SELECTED BY OWNER
4. TOUCH-UP EXISTING WALLS AS REQUIRED.

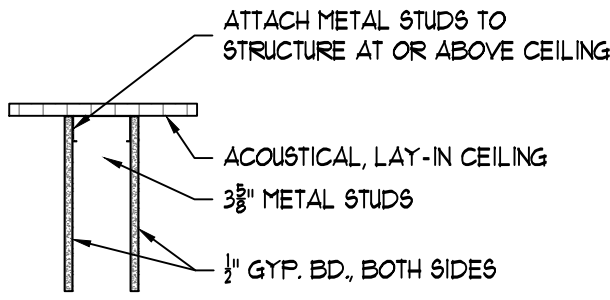


SCALE: 1/8" = 1'-0"



DETAIL @ SECURE STORAGE

A

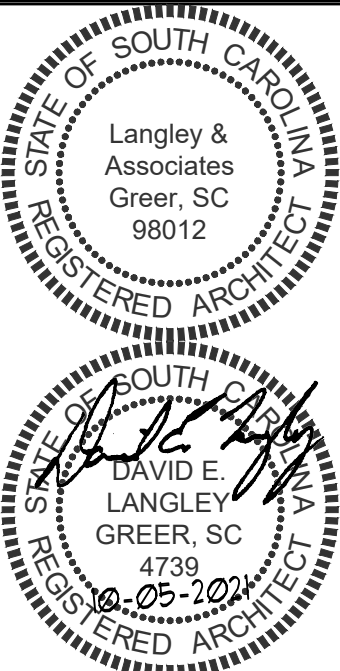


DETAIL @ OFFICES

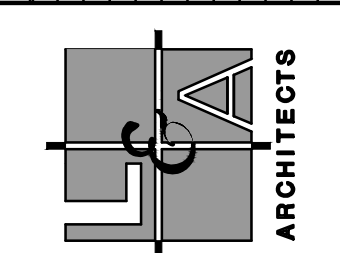
B

- REFLECTED CEILING NOTES & KEY:
- EXISTING LAY-IN CEILING GRID & TILE TO REMAIN. RE-WORK AS REQUIRED FOR NEW ROOMS. TYP. ALL AREAS SHOWN.
 - EXISTING LIGHTING TO REMAIN. RE-WORK/RELOCATE FIXTURES AS REQUIRED FOR NEW ROOMS. TYP. ALL AREAS.
 - EXISTING HVAC SUPPLY & RETURNS TO REMAIN. RE-WORK/RELOCATE AS REQUIRED FOR NEW ROOMS. TYP. ALL AREAS.
 - EXISTING CEILING AT DRIVE THRU CANOPY TO REMAIN AS CEILING IN NEW PATROL ROOM. PATCH AND REPAIR ANY HOLES IN CEILING AND REPAINT.

- INDICATES LOCATION OF EXISTING, RELOCATED OR NEWLY REPLACED 2x4 FIXTURE. EXISTING & RELOCATED FIXTURES ARE FLUORESCENT. REPLACEMENT FIXTURES TO BE LED, COLOR-MATCH TEMP TO EXISTING FLUORESCENTS.
- INDICATES CEILING-MOUNTED SMOKE DETECTOR



| NO. | DATE | DESCRIPTION |
|-----|------|-------------|
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ARCHITECTS, LLC

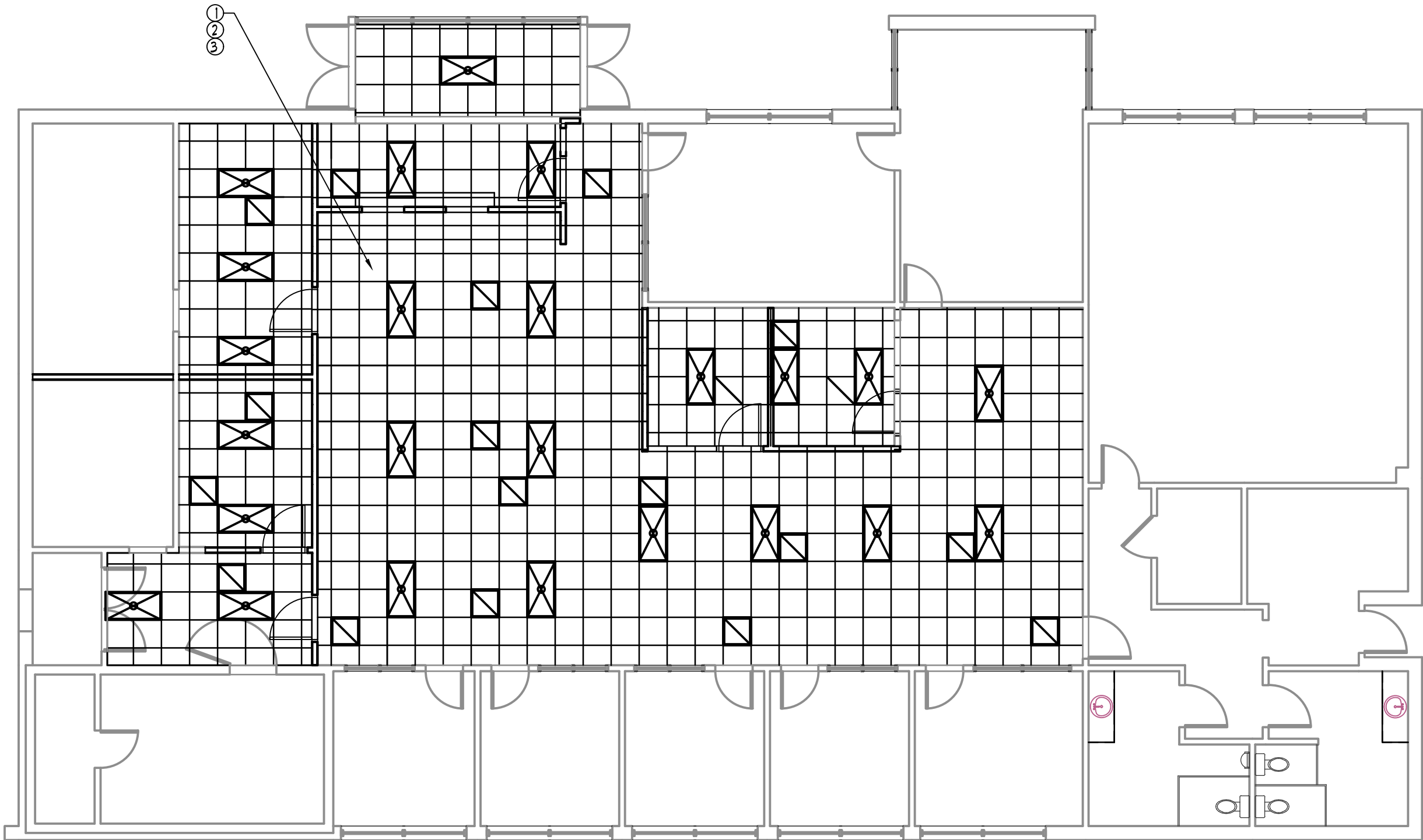
INTERIOR RENOVATIONS FOR
UNION COUNTY SHERIFF'S OFFICE
200 EAST MAIN ST • UNION, SC
REFLECTED CEILING PLAN

JOB NO: 2021-016
DATE: 2021-10-05
DESC: FOR CONSTRUCTION

A3.0

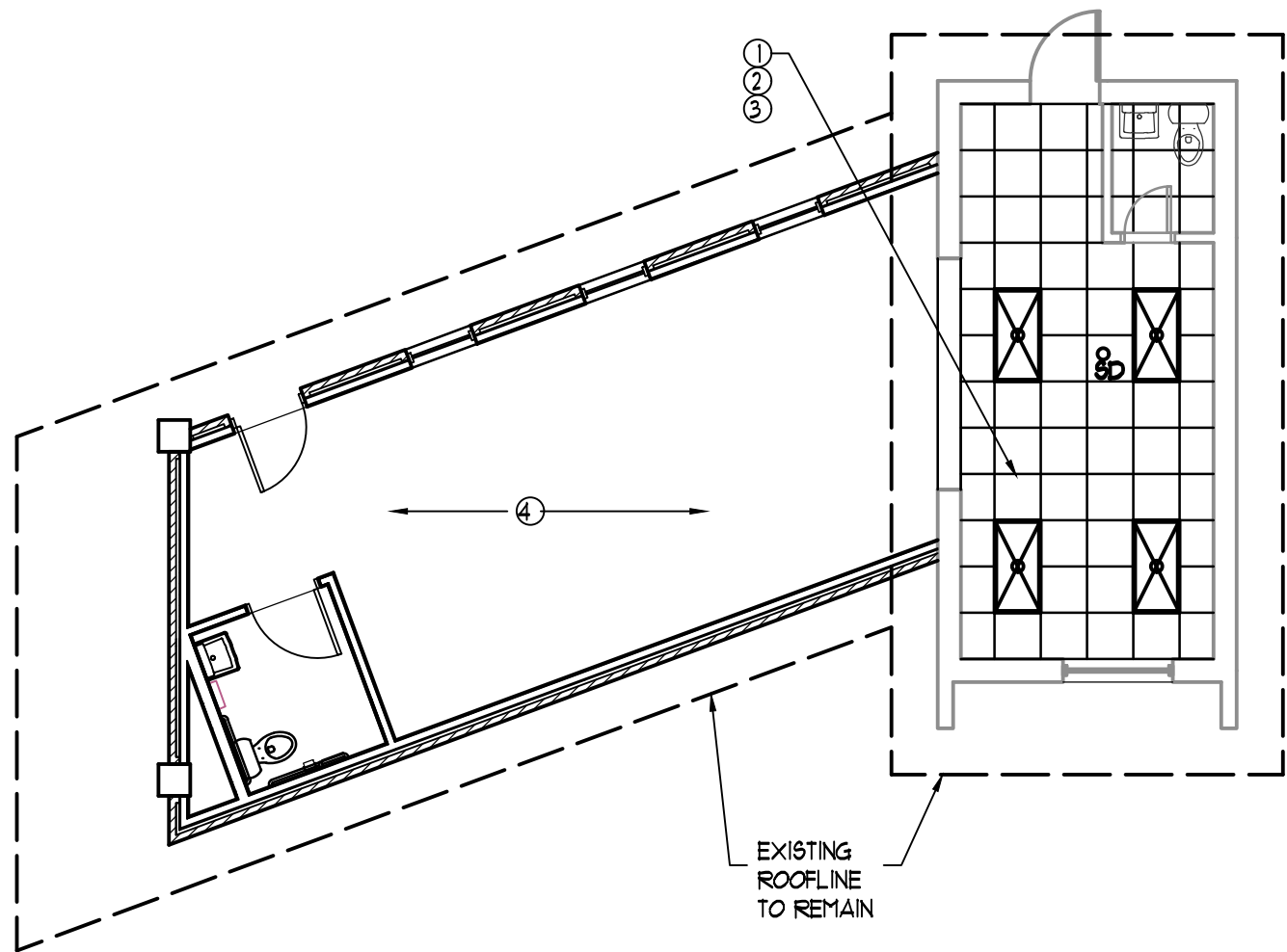
3 CONSTRUCTION DETAILS

SCALE: 1" = 1'-0"



1 REFL. CEILING PLAN - BLDG A

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



2 REFL. CEILING PLAN - BLDG B

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

INTERIOR RENOVATIONS FOR UNION COUNTY SHERIFF'S OFFICE

200 EAST MAIN ST - UNION, SC 29379

IBC 2018 BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

Name of Project: **UNION COUNTY SHERIFF'S OFFICE**
Address: **200 EAST MAIN ST - UNION, SC 29379**
Proposed Use: **B-BUSINESS**
Owner or Authorized Agent: **JERRY BRANNON** Phone: 864-426-4022 E-Mail: jbrannon@countyofunion.com
Owned By: ☒ City/County ☐ Private ☐ State
Code Enforcement Jurisdiction: ☐ City ☒ County of Union

LEAD DESIGN PROFESSIONAL: **David E. Langley, AIA**

| Design Discipline | Firm Name | Individual Name | Ind. License | Firm License | Contact Information |
|---------------------------|--------------------------------------|-----------------------|--------------|--------------|--|
| Architect: | Langley & Associates Architects, LLC | David E. Langley, AIA | 4739 (SC) | 98012 (SC) | Phone: (864) 968-0224 Fax: (864) 968-9550 Email: dlanley@la-architects.com |
| Civil Engineer: | N/A | ---- | ---- | ---- | Phone: ---- Fax: ---- Email: ---- |
| Structural Engineer: | N/A | ---- | ---- | ---- | Phone: ---- Fax: ---- Email: ---- |
| HVAC Engineer: | N/A | ---- | ---- | ---- | Phone: ---- Fax: ---- Email: ---- |
| Plumbing Engineer: | N/A | ---- | ---- | ---- | Phone: ---- Fax: ---- Email: ---- |
| Electrical Engineer: | N/A | ---- | ---- | ---- | Phone: ---- Fax: ---- Email: ---- |
| Fire Protection Engineer: | N/A | ---- | ---- | ---- | Phone: ---- Fax: ---- Email: ---- |

YEAR EDITION OF CODE: 2018 IBC, 2018 IF, 2009 IEC, 2017 ANSI A117.1
2018 IPC, 2018 IMC 2017 NEC(ANSI/NFPA 70),

☐ NEW CONSTRUCTION ☒ RENOVATION ☐ UPFIT ☐ ALTERATION

BUILDING DATA
Construction Type:
☐ I-A ☐ I-B ☐ II-A ☐ II-B ☐ III-A ☐ III-B ☐ IV ☐ V-A ☒ V-B
Mixed construction: ☒ No ☐ Yes Types _____
Sprinklers: ☒ No ☐ Yes ☐ NFPA-13 ☐ NFPA-13R ☐ NFPA-13D
Standpipes: ☒ No ☐ Yes Class: ☐ I ☐ II ☐ III ☐ Wet ☐ Dry
Fire District: ☒ No ☐ Yes
Building Height: EXST Number of Stories 1 Unlimited per N/A
Mezzanine: ☒ No ☐ Yes
High Rise: ☒ No ☐ Yes Central Reference Sheet # (if provided)
Previous Occupancy: Business (Bank)

GROSS BUILDING AREA (Per Floor)

| FLOOR | EXISTING (SQ FT) | NEW (SQ FT) | TOTAL/BLDG |
|----------------|------------------|-------------|------------|
| BLDG A Level 1 | 5442 SF | N/A | 5442 SF |
| BLDG B Level 1 | 336 SF | 588 SF | 924 SF |
| | | | |
| | | | |

ALLOWABLE AREA - EXISTING BUILDING

Primary Occupancy: ☐ Assembly ☐ A-1 ☐ A-2 ☐ A-3 ☐ A-4 ☐ A-5
☒ Business ☐ Education ☐ Factory-Industrial (F1-F2?) ☐ Hazardous (H1-H5?)
☐ Institutional (Unrestrained) (I1-I5?) ☐ Institutional (restrained) Use Condition (I-5?) ☐ Mercantile
☐ Residential (R1-R4?) ☐ Storage (S1-S2?) ☐ Utility & Misc.
☐ Parking Garage (Open-Enclosed Repair?) _____

Secondary Occupancy: **None**

Special Occupancy: **None**

Mixed Occupancy: ☒ No ☐ Yes Separation: N/A Hour Exception:

☐ Non-Separated Mixed Occupancy: (IBC Section 508.3.2)

The allowable building area and height of the building or portion thereof shall be based on the most restrictive allowances for the occupancy groups under consideration for the type of construction of the building in accordance with Section 503.1.

☐ Separated Mixed Occupancy:

Allowable Area: (IBC Section 508.4.2) - See table below for area calculations
In each story, the building area shall be such that the sum of the ratios of the actual building area of each separated occupancy divided by the allowable building area of each separated occupancy shall not exceed one.

Allowable Height: (IBC Section 508.4.3)

| STORY NO. | DESCRIPTION AND USE | (A) BLDG. AREA PER STORY (ACTUAL) | (B) TABLE 506.2 AREA | (C) AREA FOR OPEN SPACE INCREASE ¹ | (D) AREA FOR SPRINKLER INCREASE ² | (E) ALLOWABLE AREA FOR UNLIMITED ³ | (F) MAXIMUM BUILDING AREA ⁴ |
|-----------|---------------------|-----------------------------------|----------------------|---|--|---|--|
| 1 | BLDG A: OFFICES | 5442 | 9,000 | 2,250 | NA | NA | 11,250 |
| 1 | BLDG B: OFFICES | 924 | 9,000 | 2,250 | NA | NA | 11,250 |
| 1 | --- | --- | 9,000 | 2,250 | NA | NA | 11,250 |

¹ Open space area increases from Section 506.3.1-506.3.3 are computed thus:

a. Perimeter which fronts a public way or open space having 20 feet minimum width = n/a (F)

b. Total Building Perimeter = n/a (P)

c. Ratio (F/P) = n/a (F/P)

d. W = Minimum width of public way = n/a (W)

e. Percent of frontage increase If = 100 [F/P - 0.25] x W/30 = n/a (%)

² The sprinkler increase per Section 506.3 is as follows:

a. Multi-story building Is = 200 percent

b. Single story building Is = 300 percent

³ Unlimited area applicable under conditions of Sections 507.3, 507.4, 507.5, 507.6, 507.7 for Group B, F, M, S, A-3, and A-4

Group A motion picture (507.12); Malls (507.13); and H-2 aircraft paint hangers (507.10).

⁴ Maximum Building Area = total number of stories in the building x D but not greater than 3 x D.

⁵ The maximum area of parking garages must comply with 406.5.4.

ALLOWABLE HEIGHT

| | ALLOWABLE (TABLE 504.3) | INCREASE FOR SPRINKLERS | SHOWN ON PLANS | CODE REFERENCE |
|----------------------------|-------------------------|-------------------------|----------------|----------------|
| Type of Construction | Type: V-B, Unspr. | N/A | Type: V-B | IBC2018-602 |
| Building Height In Feet | 40' | Feet=H+20'=N/A | Exist | IBC2018-504.3 |
| Building Height in Stories | Stories 1 | Stories +1 = N/A | Stories 1 | IBC2018-504.4 |

FIRE PROTECTION REQUIREMENTS

| Occupancy Group: B-Business | | 1 Story | | Type: V-B Unsprinklered | | |
|--|---------------------------------|--------------|-----------------------|-------------------------|-----------------------------|--|
| BUILDING ELEMENT | FIRE SEPARATION DISTANCE (feet) | RATING REQ'D | W/SPRINKLER REDUCTION | DETAIL # AND SHEET # | DESIGN # for RATED ASSEMBLY | |
| Structural frame, including columns, girders trusses | | 0 | N/A | N/A | N/A | |
| Bearing walls | | | | | | |
| Exterior | | | | | | |
| North | 30 | 0 | N/A | N/A | N/A | |
| East | 30 | 0 | N/A | N/A | N/A | |
| West | 30 | 0 | N/A | N/A | N/A | |
| South | 30 | 0 | N/A | N/A | N/A | |
| Interior | | 0 | N/A | N/A | N/A | |
| Nonbearing walls/partitions | based on fire separation | | | | | |
| Exterior | | | | | | |
| North | 30 | 0 | N/A | N/A | N/A | |
| East | 30 | 0 | N/A | N/A | N/A | |
| West | 30 | 0 | N/A | N/A | N/A | |
| South | 30 | 0 | N/A | N/A | N/A | |
| Interior | | 0 | N/A | N/A | N/A | |
| Floor Construction | | | | | | |
| Including supporting beams & joists | | N/A | N/A | N/A | N/A | |
| Roof Construction | | | | | | |
| Including supporting beams & joists | | N/A | N/A | N/A | N/A | |
| Shaft - Exit | N/A | N/A | N/A | N/A | N/A | |
| Shaft - Other | N/A | N/A | N/A | N/A | N/A | |
| Corridor Separation (# <11) | N/A | N/A | N/A | N/A | N/A | |
| Corridor Separation (10< # <30) | N/A | N/A | N/A | N/A | N/A | |
| Corridor Separation (# >30) | N/A | N/A | N/A | N/A | N/A | |
| Occupancy Separation | N/A | N/A | N/A | N/A | N/A | |
| Party/Fire Wall Separation | N/A | N/A | N/A | N/A | N/A | |
| Smoke Barrier Separation | N/A | N/A | N/A | N/A | N/A | |
| Fire Barrier between Fire Areas | N/A | N/A | N/A | N/A | N/A | |

LIFE SAFETY SYSTEM

Emergency Lighting: ☐ No ☒ Yes
Exit Signs: ☐ No ☒ Yes
Fire Alarm: ☒ No ☐ Yes
Smoke Detection System: ☒ No ☐ Yes
Panic Hardware: ☒ No ☐ Yes

PLUMBING FIXTURE REQUIREMENTS - Table 2902.1

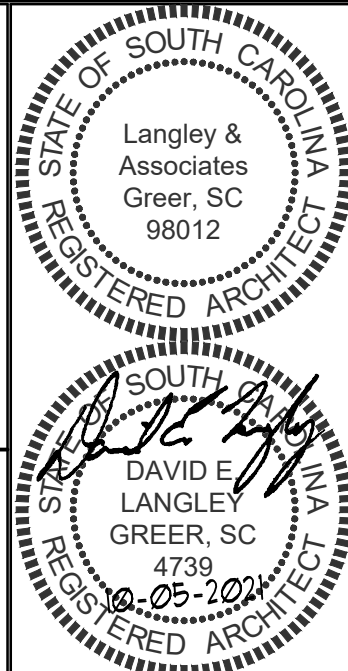
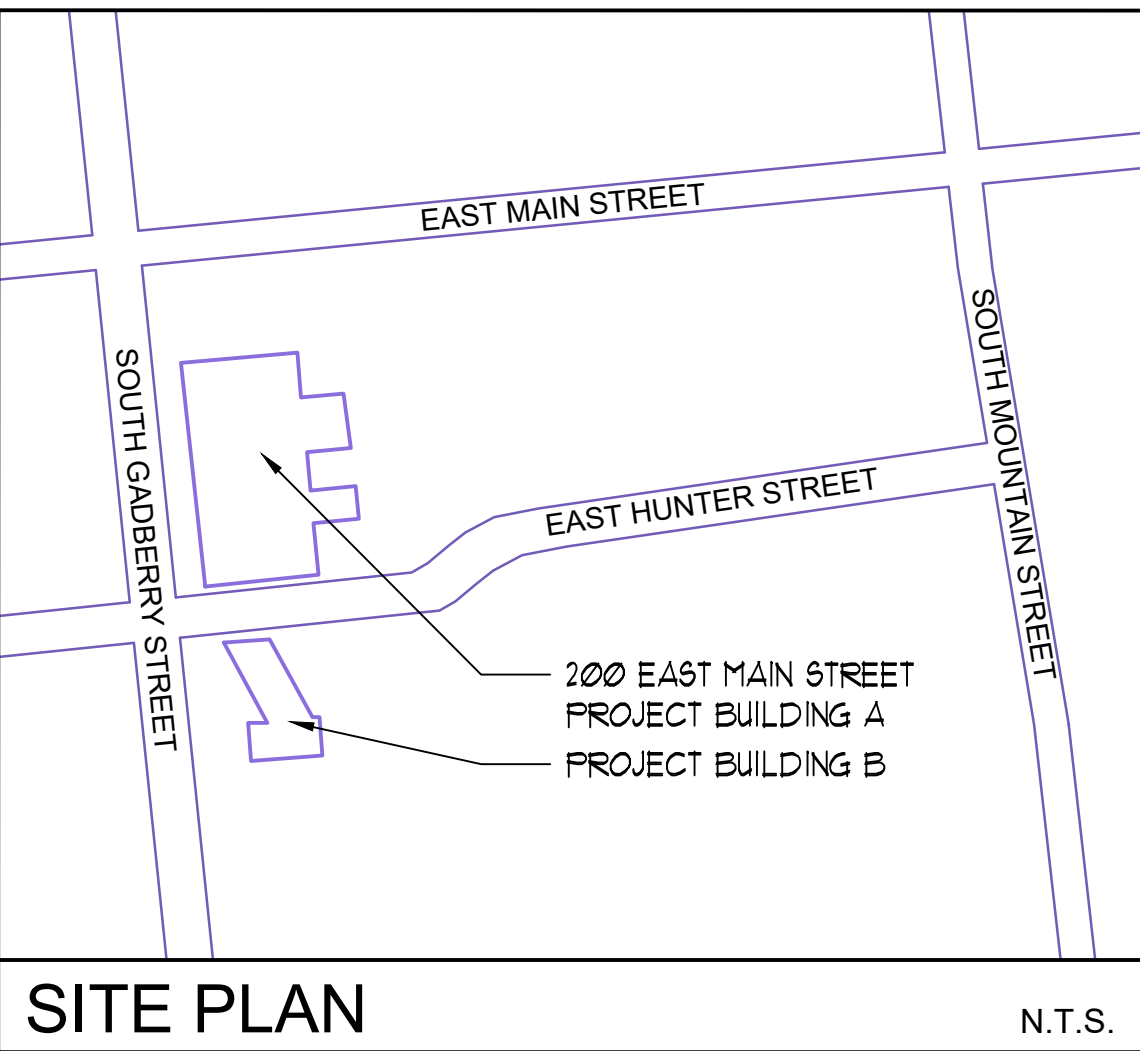
| | Waterclosets | | Urinals | Lavatories | | Shower/Tubs | | Drinking Fountains | | Service Sink |
|----------------------------------|---|------------|------------|---|------------|-------------|--------|---------------------------|------------|-------------------|
| | Male | Female | | Male | Female | Male | Female | Regular | Accessible | |
| | (Requirements: 1 per 25 for 1st 50 ppl, 1 for every 50 after) | | | (Requirements: 1 per 40 for 1st 80 ppl, 1 for every 80 after) | | | | (Requirements: 1 per 100) | | |
| | = 2 TOTAL | | | = 1 TOTAL | | 0 0 | | = 1 TOTAL | | 1 |
| BLDG. A: BUSINESS - 37 Occupants | 1 Provided | 2 Provided | 1 Provided | 2 Provided | 2 Provided | 0 | 0 | 1 High/LOW Provided | | 1 Provided |
| BLDG. B: BUSINESS - 7 Occupants | 2 Provided | 2 Provided | 0 | 2 Provided | 2 Provided | 0 | 0 | N/A <15 Occupants | | N/A <15 Occupants |

| EXIT REQUIREMENTS NUMBER & ARRANGEMENT OF EXITS | | | | | | |
|--|---|----------------|---|---------------------------------------|--|---|
| Floor, Room or Space Designation | Minimum Number of Exits Tables 1006.2.1, 1006.3.2, 1006.3.3(1) and 1006.3.3(2) | | Travel Distance Tables 1017.2, 1006.2.1, 1006.3.3(1) and 1006.3.3(2) | | Arrangement of Means of Egress (1007.1) | |
| | Required | Shown on Plans | Allowable Travel Distance | Actual Travel Distance Shown on Plans | Required Distance Between Exit Doors | Actual Distance Btw. Doors Shown on Plans |
| BLDG. A: BUSINESS - 37 Occupants | 2 | 3 | 200' | 84'-3" | 1/2 DIAG = 55'-1" | 82'-8" |
| BLDG. B: BUSINESS - 7 Occupants | 1 | 2 | 200' | 44'-7" | 1/2 DIAG = 25'-8" | 37'-0" |
| | | | | | | |
| | | | | | | |
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| | | | | | | |

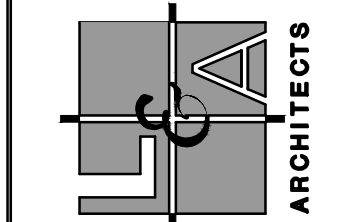
- 1.) Corridor Dead Ends (Sec. 1020.4)
2.) Single Exits (Table 1006.2.1)

| EXIT WIDTH | | | | | | | | |
|--------------------------------|------------------|--------------------------------------|-------------------------|---|-------|-----------------|-------|-------------|
| Use Group or Space Description | (A) Area Sq. Ft. | (B) Area Per Occupant (Table 1004.5) | (C) Number of Occupants | (D) Egress Width Per Occupant (Sec. 1005.3) | | EXIT WIDTH (in) | | |
| | | | | Stair | Level | Stair | Level | Stair Level |
| BLDG. A: OFFICES | 5442 | 150 Gross | 37 | .30 | .20 | 36 | 36 | N/A 36 & 72 |
| BLDG. B: OFFICES | 924 | 150 Gross | 7 | .30 | .20 | 36 | 36 | N/A 36 |
| | | | | | | | | |
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| INDEX OF DRAWINGS | | | |
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| SHEET NUMBER | SHEET NAME | REV | DATE |
| ARCHITECTURAL DRAWINGS | | | |
| A-0.0 | COVER SHEET AND CODE REVIEW | 0 | 10/05/21 |
| A-0.1 | NOTES AND SUPPLEMENTAL CONDITIONS | 0 | 10/05/21 |
| A-0.2 | GENERAL ANSI/ADA DETAILS | 0 | 10/05/21 |
| A-1.0 | DEMO PLAN | 0 | 10/05/21 |
| A-2.0 | FLOOR PLAN & INTERIOR ELEVATIONS | 0 | 10/05/21 |
| A-3.0 | REFL. CEILING PLAN & DETAILS | 0 | 10/05/21 |



| REV | DATE | DESCRIPTION |
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109 SOUTH MAIN STREET
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PHONE: (864) 988 - 0224
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www.la-architects.com

LANGLEY & ASSOCIATES
ARCHITECTS, LLC

INTERIOR RENOVATIONS FOR
UNION COUNTY SHERIFF'S OFFICE
200 EAST MAIN ST - UNION, SC
CODE REVIEW & COVER SHEET

JOB NO: 2021-016
DATE: 2021-10-05
DESC: FOR CONSTRUCTION

A0.0

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STATE OF SOUTH CAROLINA
Langley &
Associates
Greer, SC
98012
REGISTERED ARCHITECT

STATE OF SOUTH CAROLINA
DAVID E. LANGLEY
GREER, SC
4739
REGISTERED ARCHITECT
10-05-2011

Name of Project: **UNION COUNTY SHERIFF'S OFFICE**
 Address: **200 EAST MAIN ST - UNION, SC 29379**
 Proposed Use: **B-BUSINESS**
 Owner or Authorized Agent: **JERRY BRANNON** Phone: 864-426-4022 E-Mail: jbrannon@countyofunion.com
 Owned By: ☐ City/County ☐ Private ☐ State
 Code Enforcement Jurisdiction: ☐ City ☒ County of Union

| Design Discipline | Firm Name | Individual Name | Ind. License | Firm License | Contact Information |
|-------------------|--------------------------------------|-----------------------|--------------|--------------|----------------------------------|
| Architect: | Langley & Associates Architects, LLC | David E. Langley, AIA | 4739 (SC) | 98012 (SC) | Phone: (864) 968-0224 |
| | | | | | Fax: (864) 968-9550 |
| | | | | | Email: dlanley@la-architects.com |
| | | | | | Phone: |

| | | | | | |
|---------------------------|-----|------|------|------|---|
| Civil Engineer: | N/A | ---- | ---- | ---- | Phone: ---- Fax: ---- Email: ---- |
| Structural Engineer: | N/A | ---- | ---- | ---- | Phone: ---- Fax: ---- Email: ---- |
| HVAC Engineer: | N/A | ---- | ---- | ---- | Phone: ---- Fax: ---- Email: ---- |
| Plumbing Engineer: | N/A | ---- | ---- | ---- | Phone: ---- Fax: ---- Email: ---- |
| Electrical Engineer: | N/A | ---- | ---- | ---- | Phone: ---- Fax: ---- Email: ---- |
| Fire Protection Engineer: | N/A | ---- | ---- | ---- | Phone: ---- Fax: ---- Email: ---- |

☐ NEW CONSTRUCTION ☒ RENOVATION ☐ UPFIT ☐ ALTERATION

Previous Occupancy: Business (Bank)

| GROSS BUILDING AREA (Per Floor) | | | |
|---------------------------------|------------------|-------------|------------|
| FLOOR | EXISTING (SQ FT) | NEW (SQ FT) | TOTAL/BLDG |
| BLDG A Level 1 | 5442 SF | N/A | 5442 SF |
| BLDG B Level 1 | 336 SF | 588 SF | 924 SF |
| | | | |
| | | | |
| | | | |

☐ Non-Separated Mixed Occupancy: (IBC Section 508.3.2)

The allowable building area and height of the building or portion thereof shall be based on the most restrictive allowances for the occupancy groups under consideration for the type of construction of the building in accordance with Section 503.1.

☐ Separated Mixed Occupancy:

Allowable Area: (IBC Section 508.4.2) - See table below for area calculations
In each story, the building area shall be such that the sum of the ratios of the actual building area of each separated occupancy divided by the allowable building area of each separated occupancy shall not exceed one.

Allowable Height: (IBC Section 508.4.3)

| STORY NO. | DESCRIPTION AND USE | (A) BLDG. AREA PER STORY (ACTUAL) | (B) TABLE 506.2 AREA | (C) AREA FOR OPEN SPACE INCREASE ¹ | (D) AREA FOR SPRINKLER INCREASE ² | (E) ALLOWABLE AREA FOR UNLIMITED ³ | (F) MAXIMUM BUILDING AREA ⁴ |
|-----------|---------------------|-----------------------------------|----------------------|---|--|---|--|
| 1 | BLDG A: OFFICES | 5442 | 9,000 | 2,250 | NA | NA | 11,250 |
| 1 | BLDG B: OFFICES | 924 | 9,000 | 2,250 | NA | NA | 11,250 |
| 1 | --- | --- | 9,000 | 2,250 | NA | NA | 11,250 |

Open space area increases from Section 506.3.1-506.3.3 are computed thus:

- Perimeter which fronts a public way or open space having 20 feet minimum width = $\frac{n/a}{(F)}$
- Total Building Perimeter = $\frac{n/a}{(P)}$
- Ratio (F/P) = $\frac{n/a}{(F \cdot P)}$
- W = Minimum width of public way = $\frac{n/a}{(W)}$
- Percent of footage increase If = $100 \left[(F/P - 0.25) \times W/30 \right] = \frac{n/a}{(P\%)}$

2 The sprinkler increase per Section 506.3 is as follows:

- Multi-story building Is = 200 percent
- Single story building Is = 300 percent

3 Unlimited area applicable under conditions of Sections 507.3, 507.4, 507.5, 507.6, 507.7 for Group B, F, M, S, A-3, and A-4 Group A motion picture (507.12); Malls (507.13); and H-2 aircraft paint hangars (507.10).

4 Maximum Building Area is the total number of stories in the building x But not greater than 3 x D.

5 The maximum area of parking garages must comply with 406.4.5.

| ALLOWABLE HEIGHT | | | | |
|----------------------------|----------------------------|-------------------------|-------------------|-------------------|
| | ALLOWABLE (TABLE 504.3) | INCREASE FOR SPRINKLERS | SHOWN ON PLANS | CODE REFERENCE |
| Type of Construction | Type: V-B, Unspr. | N/A | Type: V-B | IBC2018-602 |
| Building Height in Feet | 40' | Feet-H+20'=N/A | Exist | IBC2018-504.3 |
| Building Height in Stories | Stories 1 | Stories 1 = N/A | Stories 1 | IBC2018-504.4 |

| Occupancy Group: B-Business | | 1 Story | Type: V-B Unsprinklered | | |
|--|---------------------------------|---------|-------------------------|----------------------|-----------------------------|
| BUILDING ELEMENT | FIRE SEPARATION DISTANCE (feet) | RATING | | DETAIL # AND SHEET # | DESIGN # for RATED ASSEMBLY |
| | | REQ'D | W/SPRINKLER REDUCTION | | |
| Structural frame, including columns, girders trusses | | 0 | N/A | N/A | N/A |
| Bearing walls | | | | | |
| Exterior | | | | | |
| North | 30 | 0 | N/A | N/A | N/A |
| East | 30 | 0 | N/A | N/A | N/A |
| West | 30 | 0 | N/A | N/A | N/A |
| South | 30 | 0 | N/A | N/A | N/A |
| Interior | | 0 | N/A | N/A | N/A |
| Nonbearing walls/partitions | based on fire separation | | | | |
| Exterior | | | | | |
| North | | 30 | 0 | N/A | N/A |
| East | 30 | 0 | N/A | N/A | N/A |
| West | 30 | 0 | N/A | N/A | N/A |
| South | 30 | 0 | N/A | N/A | N/A |
| Interior | | 0 | N/A | N/A | N/A |
| Floor Construction | | N/A | N/A | N/A | N/A |
| Including supporting beams & joists | | | | | |
| Roof Construction | | N/A | N/A | N/A | N/A |
| Including supporting beams & joists | | | | | |
| Shaft - Exit | N/A | N/A | N/A | N/A | N/A |
| Shaft - Other | N/A | N/A | N/A | N/A | N/A |
| Corridor Separation (# <11) | N/A | N/A | N/A | N/A | N/A |
| Corridor Separation (10< # <30) | N/A | N/A | N/A | N/A | N/A |
| Corridor Separation (# >30) | N/A | N/A | N/A | N/A | N/A |
| Occupancy Separation | N/A | N/A | N/A | N/A | N/A |
| Party/Fire Wall Separation | N/A | N/A | N/A | N/A | N/A |
| Smoke Barrier Separation | N/A | N/A | N/A | N/A | N/A |
| Fire Barrier between Fire Areas | N/A | N/A | N/A | N/A | N/A |

| | | |
|-------------------------|--|---|
| Emergency Lighting: | <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes |
| Exit Signs: | <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes |
| Fire Alarm: | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes |
| Smoke Detection System: | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes |
| Panic Hardware: | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes |

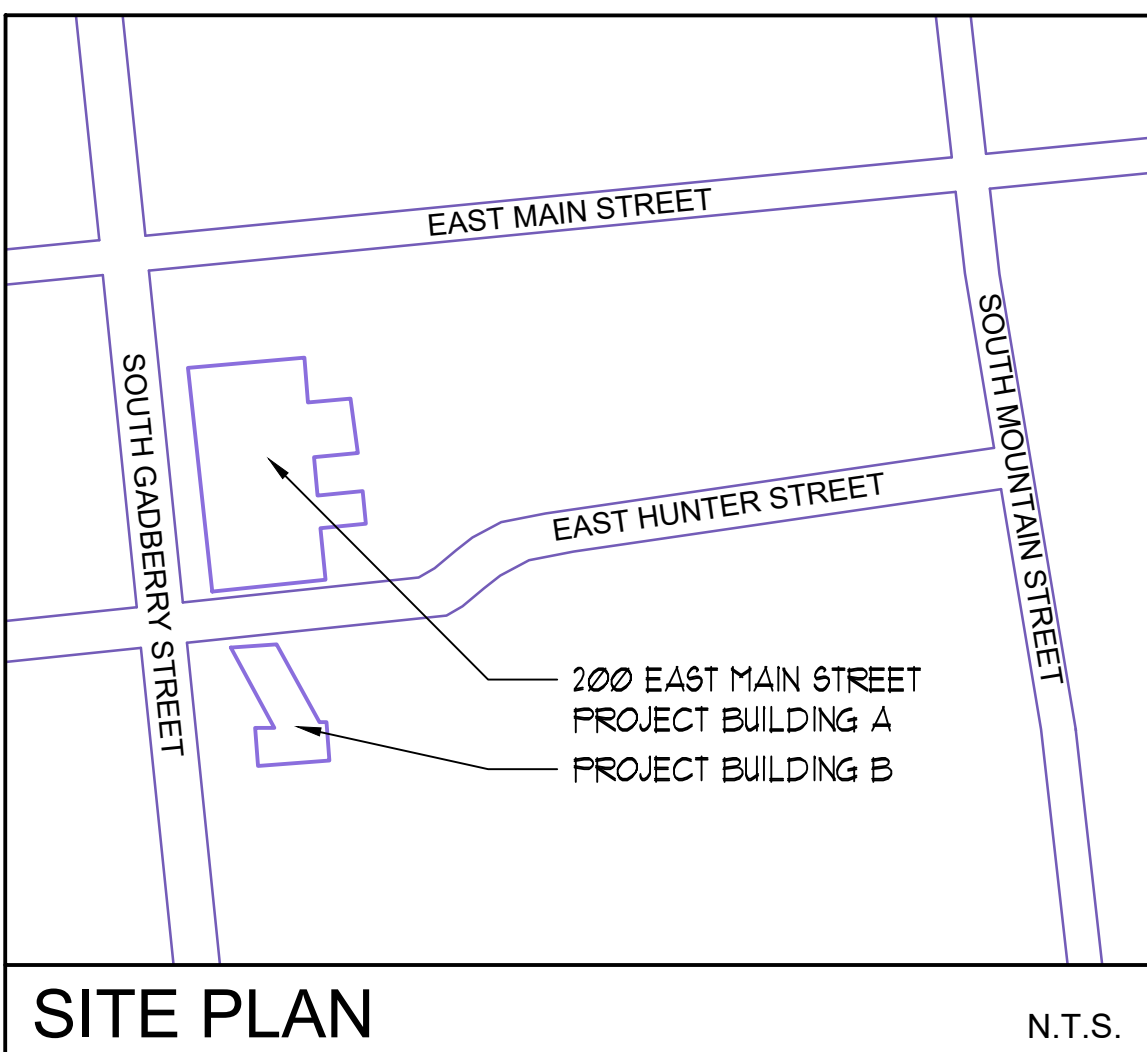
| | Waterclosets | | Urinals | Lavatories | | Shower/Tubs | | Drinking Fountains | | Service Sink |
|----------------------------------|---|------------|------------|---|------------|-------------|--------|---|------------|-------------------|
| | Male | Female | | Male | Female | Male | Female | Regular | Accessible | |
| | (Requirements: 1 per 25 for 1st 50 pop 1 for every 50 after) = 2 TOTAL | | | (Requirements: 1 per 40 for 1st 80 pop 1 for every 80 after) = 1 TOTAL | | 0 | 0 | (Requirements: 1 per 100) = 1 TOTAL | | 1 |
| BLDG. A: BUSINESS - 37 Occupants | 2 Provided | 2 Provided | 1 Provided | 2 Provided | 2 Provided | 0 | 0 | 1 High/Low Provided | | 1 Provided |
| BLDG. B: BUSINESS - 7 Occupants | 2 Provided | 2 Provided | 0 | 2 Provided | 2 Provided | 0 | 0 | N/A <15 Occupants | | N/A <15 Occupants |

| EXIT REQUIREMENTS NUMBER & ARRANGEMENT OF EXITS | | | | | | |
|--|--|-------------------|--|---|---|--|
| Floor, Room or Space Designation | Minimum Number of Exits Tables 1006.2.1, 1006.3.2, 1006.3.3(1) and 1006.3.3(2) | | Travel Distance Tables 1017.2, 1006.2.1, 1006.3.3(1) and 1006.3.3(2) | | Arrangement of Means of Egress (1007.1) | |
| | Required | Shown on Plans | Allowable Travel Distance | Actual Travel Distance Shown on Plans | Required Distance Between Exit Doors | Actual Distance Btw. Doors Shown on Plans |
| BLDG. A: BUSINESS - 37 Occupants | 2 | 3 | 200' | 84'-3" | 1/2 DIAG = 55'-1" | 82'-8" |
| BLDG. B: BUSINESS - 7 Occupants | 1 | 2 | 200' | 44'-7" | 1/2 DIAG = 25'-8" | 37'-0" |
| | | | | | | |
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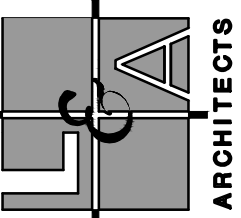
- 1.) Corridor Dead Ends (Sec. 1020.4)
- 2.) Single Exits (Table 1006.2.1)

[illegible]

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| | | | |



| REVISIONS | | |
|-----------|------|-------------|
| NO. | DATE | DESCRIPTION |



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& ASSOCIATES**
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