



BEAUFORT COUNTY SHERIFF'S OFFICE AT THE LAW ENFORCEMENT CENTER Town of Hilton Head Island

HILTON HEAD ISLAND, SOUTH CAROLINA

MARK	DATE	DESCRIPTION
	07/18/14	BID DOCUMENTS

PROJECT NO: FWA 2383.20

DRAWN BY: mjr
APPROVED BY: BHT

THESE DRAWINGS AND THE PROJECT MANUAL ARE INSTRUMENTS OF SERVICE AND REMAIN THE PROPERTY OF THE FWA GROUP ARCHITECTS. UNAUTHORIZED DUPLICATION OR REUSE WITHOUT WRITTEN CONSENT IS PROHIBITED.

SHEET TITLE

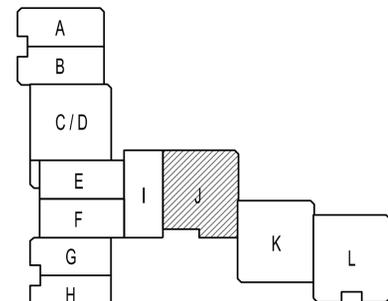
FLOOR PLANS / DETAILS

SHEET NUMBER

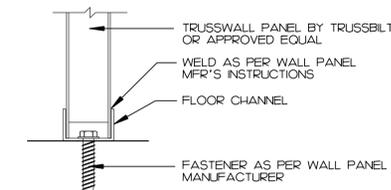
AE-101

GENERAL NOTES: (THIS SHEET ONLY)

- CLEAN, PRIME AND PAINT ALL EXISTING WALLS, HARD CEILINGS, WINDOW/DOOR TRIM, AND BASE TRIM.
- SEE ALSO PLUMBING DRAWINGS.
- SEE ALSO ELECTRICAL DRAWINGS.
- SEE ALSO ELECTRICAL DRAWINGS.
- FIRE EXTINGUISHER IN RECESSED CABINET
- LAVATORY / TOILET COMBO UNIT - SEE PLUMBING DRAWINGS
- WALL MOUNTED BUNK (27" X 80") BY "TRUSSBILT" OR APPROVED EQUAL, WELD IN PLACE
- 20" W X 30" H INSULATED ACCESS DOOR WITH GALVANIZED STEEL FRAME - MODEL XPA BY "ACTIVAR, INC." OR EQUAL - COORDINATE INSTALLATION HEIGHT WITH PLUMBING
- FLOOR MOUNTED 4" LONG BENCH BY "TRUSSBILT" OR APPROVED EQUAL
- NEW SINK / EYE WASH FIXTURE - SEE PLUMBING DRAWINGS
- NEW HOSE BIB - SEE PLUMBING DRAWINGS
- REPAIR WALL AND FLOOR WHERE BUILT-INS AND PLUMBING WERE REMOVED - SEE FINISH SCHEDULE
- FLOOR MOUNTED 5' LONG BENCH BY "TRUSSBILT" OR APPROVED EQUAL
- TAMPER RESISTANT WINDOW GRILLE BY "TRUSSBILT" OR APPROVED EQUAL
- REPAIR EXISTING WINDOW TRIM (AT JAMB, SILL AND HEAD) FOR SMOOTH AND WEATHERTIGHT TRANSITION TO NEW WALL INFILL
- PROVIDE NEW RUBBER THRESHOLD AT FINISH FLOOR TRANSITION
- REPAIR GWB WHERE WALL SCONCE HAS BEEN REMOVED - SEE ALSO ELECTRICAL PLANS.

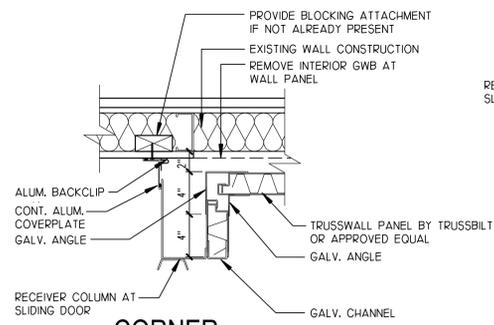


KEY PLAN



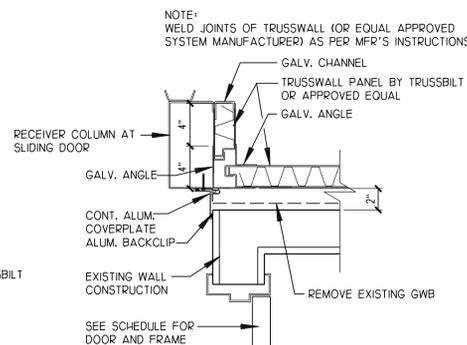
C2 PANEL FLOOR ATTACHMENT

SCALE: 1 1/2" = 1'-0"



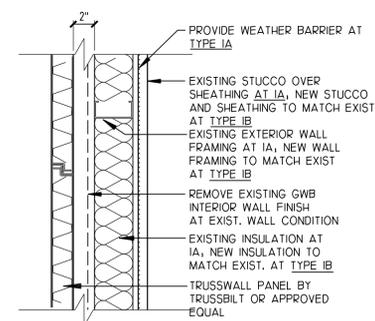
B1 CORNER JOINT DETAIL

SCALE: 1 1/2" = 1'-0"



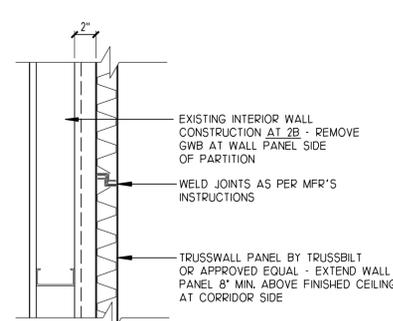
B2 CORNER JOINT DETAIL

SCALE: 1 1/2" = 1'-0"



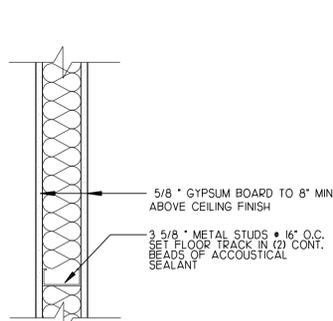
A1 PARTITION TYPE 1A, 1B

SCALE: 1 1/2" = 1'-0"



A2 PARTITION TYPE 2A, 2B

SCALE: 1 1/2" = 1'-0"

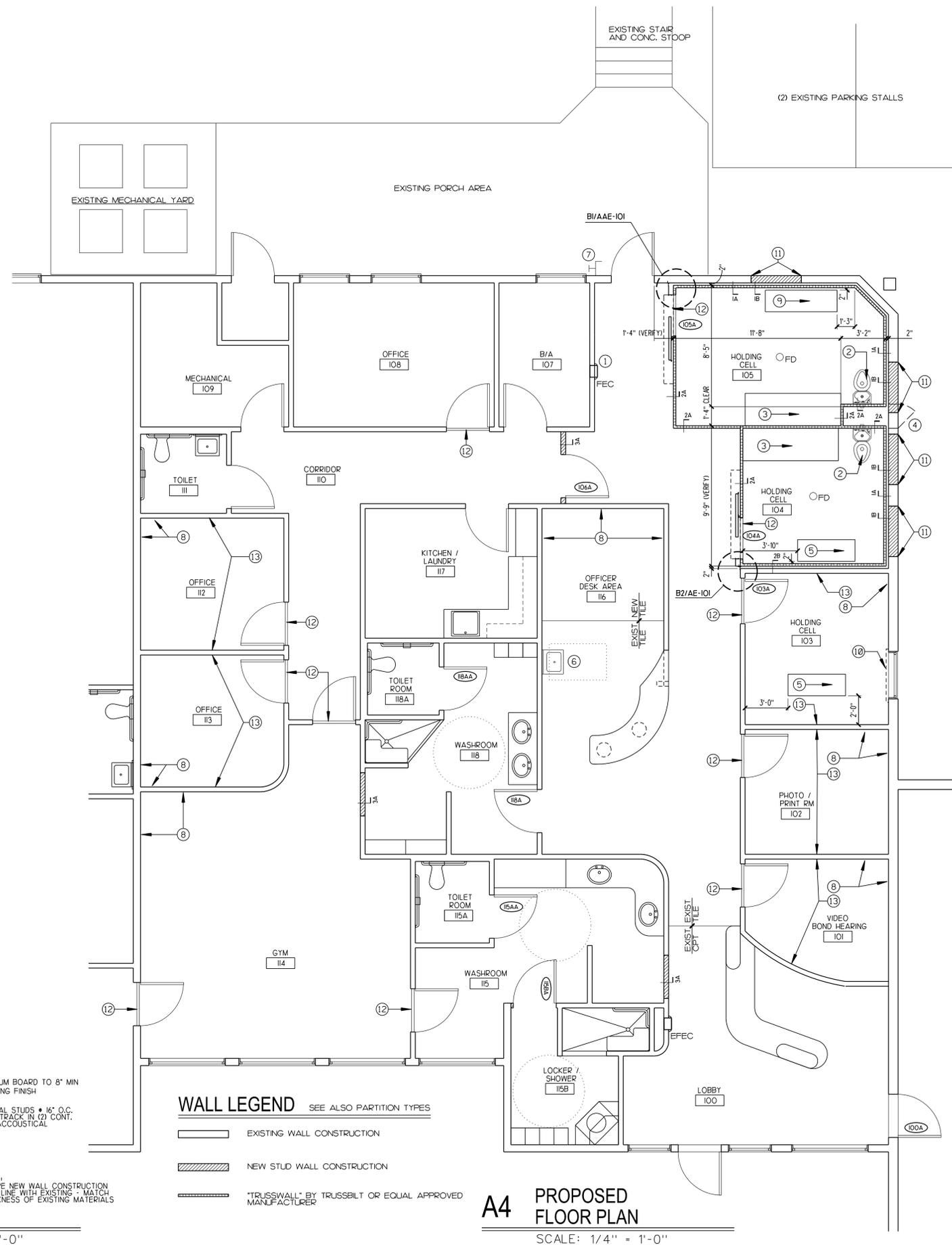


A3 PARTITION TYPE 3A

SCALE: 1 1/2" = 1'-0"

WALL LEGEND SEE ALSO PARTITION TYPES

- EXISTING WALL CONSTRUCTION
- NEW STUD WALL CONSTRUCTION
- "TRUSSWALL" BY TRUSSBILT OR EQUAL APPROVED MANUFACTURER



A4 PROPOSED FLOOR PLAN

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



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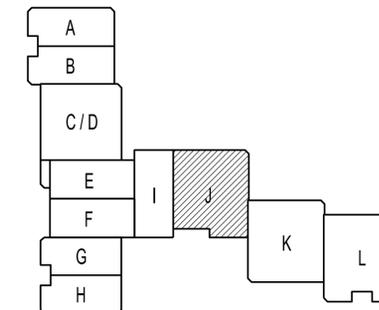
REFLECTED CEILING PLAN / DETAILS

SHEET NUMBER

AE-102

REFLECTED CEILING NOTES:

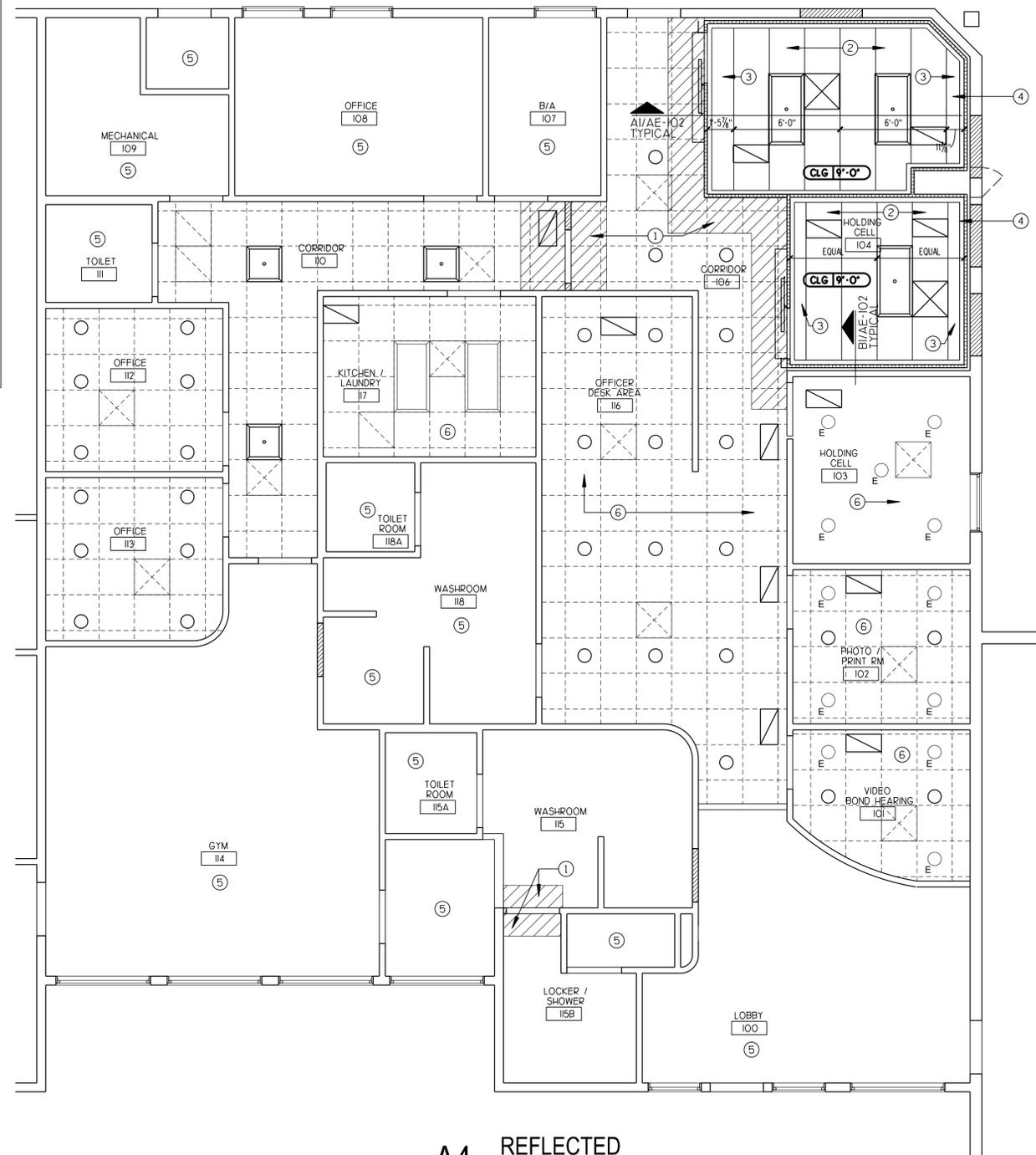
- UNLESS NOTED OTHERWISE, CEILING CONDITIONS IN AREAS ARE TO REMAIN 'AS IS'.
- SEE ALSO ELECTRICAL LIGHTING PLAN AND MECHANICAL PLANS.
- MODIFY CEILING GRID AND TILES TO ACCOMMODATE NEW WALL CONSTRUCTION
- SECURITY METAL PANEL CEILING SYSTEM ('TRUSSDEK' BY TRUSSBILT OR APPROVED EQUAL)
- STARTER / ENDER CEILING PANEL
- PERIMETER WALL ANGLE, TYP.
- NO WORK IN THIS AREA
- EXISTING CEILING FINISH



KEY PLAN

REFLECTED CEILING LEGEND

	2'x4' LAY-IN FLUORESCENT LIGHT FIXTURE, LAY-IN
	EXISTING 2'x4' LAY-IN FLUORESCENT LIGHT FIXTURE, LAY-IN
	1'x4' FLUORESCENT LIGHT FIXTURE
	2'x2' LAY-IN FLUORESCENT LIGHT FIXTURE, LAY-IN
	STRIP-LIGHT FIXTURE
	LIGHT TRACK
	PENDANT MOUNTED FIXTURE
	WALL MOUNTED LIGHT FIXTURE
	CAN LIGHT FIXTURE - NEW
	CAN LIGHT FIXTURE - EXIST. TO REMAIN
	TRACK FIXTURE
	PROJECTION SCREEN
	POWER AND DATA FOR CEILING MOUNTED PROJECTORS
	SPEAKER
	MECHANICAL EXHAUST GRILLE
	MECHANICAL SUPPLY GRILLE - NEW
	MECHANICAL SUPPLY GRILLE - EXIST. TO REMAIN
	CEILING GRID - EXISTING TO REMAIN
	CEILING GRID - NEW TO MATCH EXISTING
	SECURITY CEILING PANEL SYSTEM
	GYPSUM WALL BOARD CEILING, SEE FINISH SCHEDULE
	EXIT SIGN
	EXIT SIGN, WALL MOUNTED
	CEILING MATERIAL / HEIGHT ABOVE FINISHED FLOOR

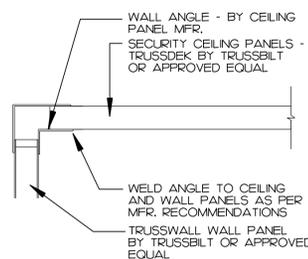


A4 REFLECTED CEILING PLAN

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

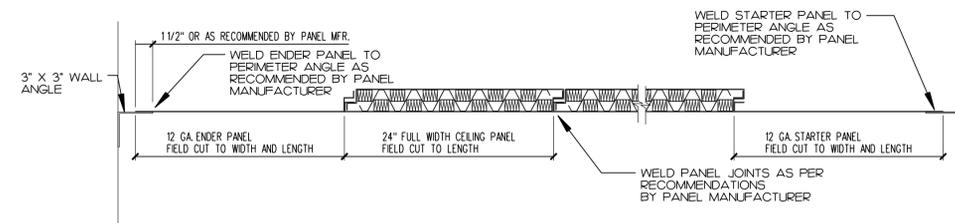
B1 PERIMETER DTL. AT CEILING PANELS

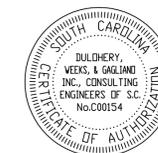
SCALE: NO SCALE



A1 STARTER/ENDER PANEL DETAIL AT CEILING PANELS

SCALE: NO SCALE





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PROJECT NO:
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DRAWN BY: TAB
APPROVED BY: BFN

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SHEET TITLE

**MECHANICAL
PLAN**

SHEET NUMBER

M-101

**DULOHERY
WEEKS**

Sustainable Engineering
20121056-M101.dwg

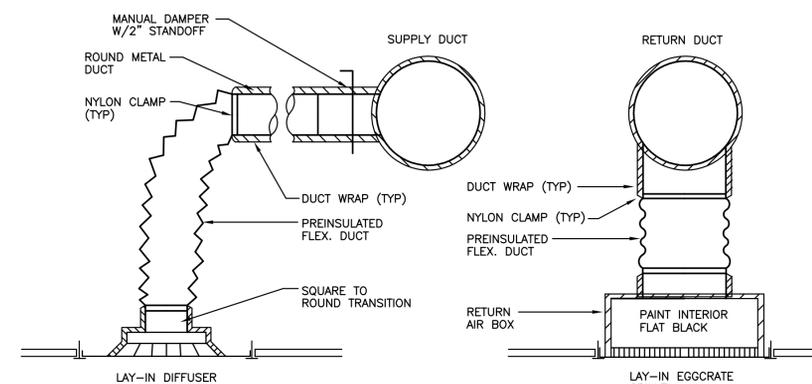
DESIGNATION	DESCRIPTION
M	6"x6" NECK MINIMUM SECURITY CEILING DIFFUSER, 2'x2' LAY-IN PANEL
N	1'x2' EGGRATE RETURN AIR GRILLE, T-BAR LAY-IN PANEL
P	1'x2' MINIMUM SECURITY RETURN AIR GRILLE, T-BAR LAY-IN PANEL
R	1'x1' MINIMUM SECURITY EXHAUST AIR GRILLE
ED	EXISTING DIFFUSER

ITEM	AIRFLOW CFM	EXT. STATIC IN. WG	TYPE	MAXIMUM SONE RATING	MAX. MOTOR HP	REMARKS
EF-3	130	0.25	INLINE MOUNTED, CENTRIFUGAL DIRECT DRIVE	2.0	1/8	CONTROL WITH WALL SWITCH
EF-4	90	0.25	INLINE MOUNTED, CENTRIFUGAL DIRECT DRIVE	2.0	1/8	CONTROL WITH WALL SWITCH

1. REFER TO THE ELECTRICAL DRAWINGS FOR VOLTAGE REQUIREMENTS.

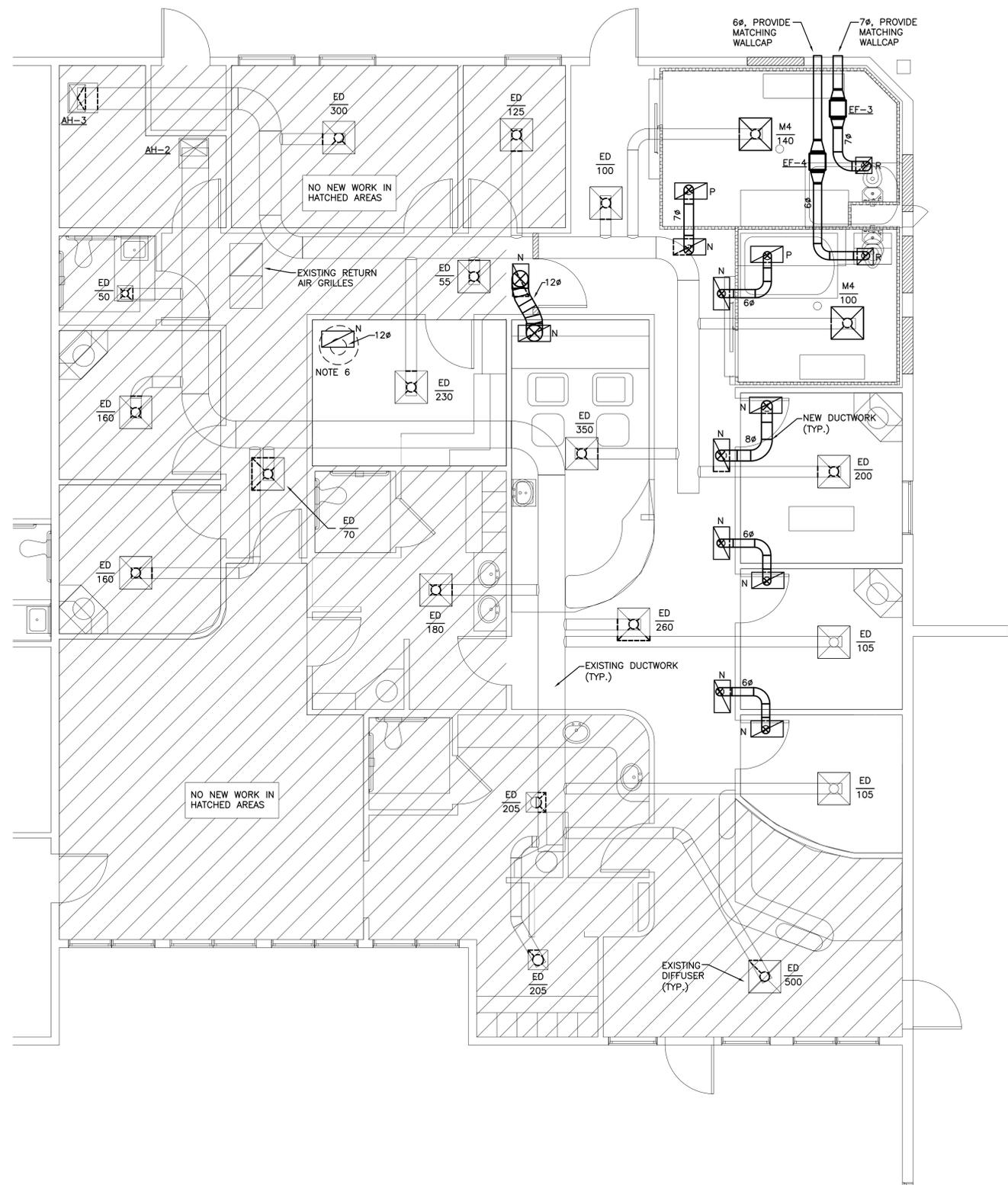
MECHANICAL NOTES & SPECIFICATIONS

- THE DRAWINGS SHOW THE GENERAL ARRANGEMENT AND LOCATIONS OF MECHANICAL WORK. THE CONTRACTOR SHALL COORDINATE THE MECHANICAL INSTALLATION WITH THE STRUCTURE AND ALL OTHER TRADES. PERFORM ALL WORK IN ACCORDANCE WITH CURRENT STATE AND LOCAL CODES. SUBMIT 5 COPIES OF MANUFACTURER'S DATA PRIOR TO EQUIPMENT PURCHASES.
- DUCTWORK SHOWN ON THE PLANS IS SIZED AND ROUTED BASED ON INFORMATION AVAILABLE DURING THE DESIGN PHASE FOR CEILING HEIGHTS, STRUCTURAL MEMBERS, ETC. ALL DUCT SIZES AND ROUTINGS MUST BE CONFIRMED IN THE FIELD BY THE CONTRACTOR PRIOR TO FABRICATION AND INSTALLATION. WHERE CONFLICTS ARISE, REFER TO THE ENGINEER.
- THE LOCATION OF CEILING MOUNTED DEVICES IS APPROXIMATE AND BASED OFF OF AS-BUILT DRAWINGS. CONTRACTOR TO VERIFY CEILING TYPES BEFORE PURCHASING DEVICES. FOR INSTANCES WHERE LAY-IN DEVICES ARE SCHEDULED FOR GYPSUM BOARD CEILINGS, PROVIDE A FLANGED FRAME DEVICE OF TYPE SCHEDULED.
- MECHANICAL CONTRACTOR TO BALANCE EXISTING SYSTEMS, AH-2 AND AH-3, TO AIRFLOWS INDICATED ON DRAWING. NO WORK IS TO BE PERFORMED TO AH-1.
- AS-BUILT DRAWINGS INDICATE 720 CFM OF OUTSIDE AIR PROVIDED TO AH-2 (400 CFM) AND AH-3 (320 CFM). MECHANICAL CONTRACTOR TO VERIFY THAT OUTSIDE AIR IS PROVIDED TO AH-2 AND AH-3. IF OUTSIDE AIR IS NOT CURRENTLY PROVIDED, CONTRACTOR TO PROVIDE INTAKE LOUVER AND OUTSIDE AIR DUCT INTRODUCING OUTSIDE AIR TO AH-2 AND AH-3. AH-2 SHOULD BE BALANCED TO 100 CFM. OUTSIDE AIR FOR AH-3 SHOULD BE BALANCED TO 125 CFM. AH-2 AND AH-3 SUPPLY FAN SHALL RUN CONTINUOUSLY WHILE BUILDING IS OCCUPIED.
- PROVIDE A ROOF MOUNTED SPUN ALUMINUM INTAKE HOOD WITH INTEGRAL BIRDSCREEN AND ROOF CURB BY GREENHECK, COOK OR PENN. INTAKE HOOD AND CURB ASSEMBLY SHALL BE SUITABLE FOR 120 MPH WIND ZONE. THE INTAKE HOOD SHOULD BE SIZED FOR 500 CFM WITH A THROAT VELOCITY OF 450 FEET PER MINUTE. COORDINATE WITH ARCHITECT ON COLOR OF INTAKE HOOD. PROVIDE A MOTORIZED DAMPER THAT IS INTERLOCKED WITH THE DRYER. THE DAMPER SHALL OPEN WHILE THE DRYER IS IN OPERATION AND CLOSE WHEN THE DRYER IS NOT IN OPERATION. COORDINATE THE MOTORIZED DAMPER ELECTRICAL REQUIREMENTS WITH THE ELECTRICAL CONTRACTOR. MECHANICAL CONTRACTOR TO PROVIDE CONTROL WIRING BETWEEN DRYER AND DAMPER.
- CEILING DIFFUSERS AND RETURN AIR GRILLES SHALL BE ALUMINUM WITH WHITE FINISH BY METALAIR, KRUEGER, TITUS OR PRICE. CEILING DIFFUSER SHALL BE THE LOUVERED FACE TYPE WITH THROW AS INDICATED ON DRAWINGS. EGGRATE RETURN/EXHAUST GRILLES SHALL HAVE 1/2" SQUARE EGGRATE LOUVERS, 1" DEEP. GRILLES/DIFFUSERS IN SHEETROCK CEILINGS SHALL HAVE OPPOSED BLADE DAMPERS FOR BALANCING AT FACE.
- OUTSIDE AIR DUCTS SHALL BE GALVANIZED STEEL INSULATED WITH 2" THICK R-6.7 FIBERGLASS DUCT WRAP WITH VAPOR BARRIER. EXHAUST AIR DUCTS SHALL BE UNINSULATED GALVANIZED STEEL. ALL DUCTS SHALL BE FABRICATED AND INSTALLED PER SMACNA STANDARDS FOR 2" STATIC PRESSURE RATING. PROVIDE FLEXIBLE CONNECTORS FOR EXHAUST FAN DUCTWORK CONNECTION. CONNECTIONS TO DIFFUSERS AND GRILLES SHALL BE MADE WITH PREINSULATED FLEXIBLE DUCT WITH 5' MAXIMUM LENGTH.
- EXHAUST FANS SHALL BE OF THE TYPE SCHEDULED WITH A DISCONNECT SWITCH, BACKDRAFT DAMPER AND HANGER BRACKETS WITH VIBRATION ISOLATORS BY GREENHECK, COOK OR PENN.



NOTE: INSTALL NYLON CLAMPS ON INNER FLEX DUCT LINER AND OUTER JACKET.

1 TYPICAL DIFFUSER/GRILLE INSTALLATION DETAIL
M-101 NOT TO SCALE



FILES

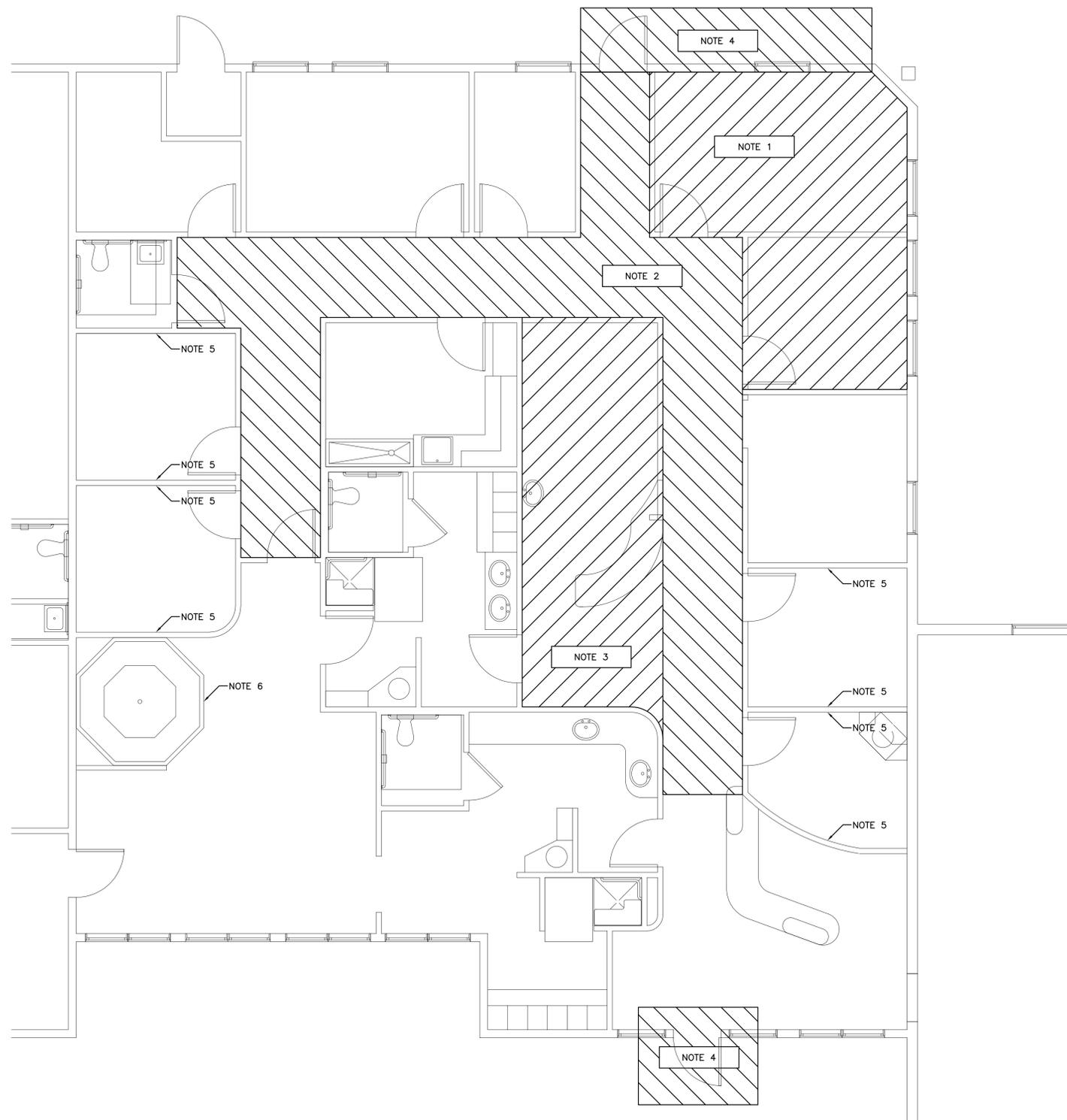
8 TIMES

EDATES



NOTES:

- DEMOLITION OF THIS AREA TO INCLUDE REMOVAL AND DISPOSAL OF ALL ELECTRICAL DEVICES, LIGHT FIXTURES, LIGHT SWITCHES & ALL ASSOCIATED RACEWAYS AND CONDUCTORS. REMOVE CIRCUIT CONDUCTORS AND RACEWAYS THAT CANNOT BE RE-USED, TO ASSOCIATED PANEL, UNO.
- DEMOLITION OF THIS AREA TO INCLUDE REMOVAL AND DISPOSAL OF ALL LIGHT FIXTURES, LIGHT SWITCHES & ALL ASSOCIATED RACEWAYS AND CONDUCTORS. REMOVE CIRCUIT CONDUCTORS AND RACEWAYS THAT CANNOT BE RE-USED, TO ASSOCIATED PANEL, UNO.
- DEMOLITION OF THIS AREA TO INCLUDE REMOVAL AND DISPOSAL OF ALL LIGHT FIXTURES, LIGHT SWITCHES, OUTLETS ASSOCIATED WITH SPA EQUIPMENT & ALL ASSOCIATED RACEWAYS AND CONDUCTORS. REMOVE CIRCUIT CONDUCTORS AND RACEWAYS THAT CANNOT BE RE-USED, TO ASSOCIATED PANEL, UNO.
- DEMOLITION OF THIS AREA TO INCLUDE REMOVAL AND DISPOSAL OF ALL LIGHT FIXTURES. REMOVE CIRCUIT CONDUCTORS AND RACEWAYS THAT CANNOT BE RE-USED, TO ASSOCIATED PANEL, UNO. PROVIDE BLANK COVER FOR ANY UNUSED OUTLET BOXES.
- DEMOLISH WALL MOUNTED LIGHT FIXTURE IN THIS LOCATION. REMOVE CIRCUIT CONDUCTORS AND RACEWAYS BACK TO NEAREST ABOVE CEILING JUNCTION BOX OR PROVIDE JUNCTION BOX ABOVE ACCESSIBLE CEILING. RECONFIGURE CIRCUIT AS NECESSARY TO ENSURE OPERATION OF ALL OTHER ITEMS ON CIRCUIT. PROVIDE KNOCKOUT PLUGS AS NECESSARY IN EXISTING JUNCTIONS BOXES.
- DEMOLISH ANY OUTLETS ASSOCIATED WITH SPA EQUIPMENT IN THIS AREA. REMOVE CIRCUIT CONDUCTORS AND RACEWAYS TO ASSOCIATED PANEL AND LABEL CIRCUIT BREAK AS SPARE.



1 ELECTRICAL DEMOLITION PLAN
 E-101 SCALE: 1/4" = 1'-0"

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DRAWN BY: JST
APPROVED BY: WRL

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SHEET TITLE
**ELECTRICAL
DEMOLITION PLAN**

SHEET NUMBER
E-101

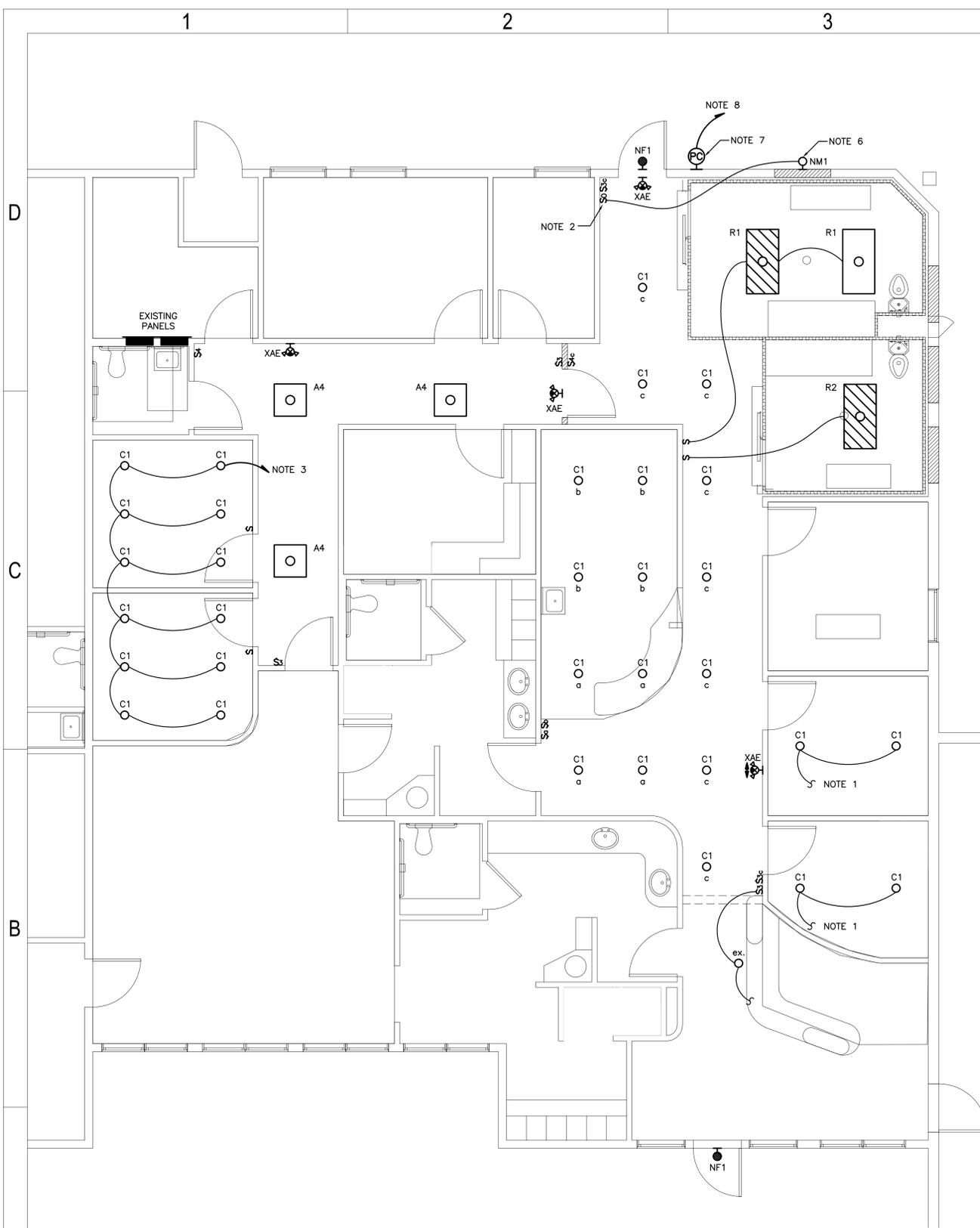
**DULOHERLY
 WEEKS**
 Sustainable Engineering
 20121056-E-101.dwg



NOTES:

1. CONNECT NEW LIGHTING FIXTURES IN THIS SPACE TO CIRCUIT SERVING EXISTING LIGHTING FIXTURES IN THIS SPACE. EXISTING SWITCHES IN THE SPACE SHALL CONTROL NEW LIGHTING FIXTURES AS WELL AS EXISTING FIXTURES.
2. NEW SWITCH SHALL BE WIRED AS AN OVERRIDE OFF AFTER THE PHOTOCELL SO THAT THE TYPE NM1 FIXTURE IS ONLY ON AFTER SUNSET WITH THE SWITCH IN THE ON POSITION.
3. PROVIDE NEW 20A/1 CIRCUIT BREAKER IN EXISTING PANEL SHOWN TO SERVE NEW INTERIOR LIGHTING CIRCUIT. CIRCUIT BREAKER SHALL BE A PRODUCT OF THE EXISTING PANEL MANUFACTURER AND SHALL HAVE THE SAME AIC RATING AS THE EXISTING CIRCUIT BREAKERS.
4. (GENERAL) EXTEND ADDITIONAL UNSWITCHED HOT CONDUCTOR, OF THE SAME SIZE AS THE EXISTING CONDUCTORS, FROM THE CIRCUIT SOURCE TO CONNECT TO THE EMERGENCY BALLAST OR EXIT SIGN. THE UNSWITCHED HOT CONDUCTOR MUST BE ON THE SAME CIRCUIT AS THE HOT CONDUCTOR FOR THE EMERGENCY BALLAST OR EXIT SIGN FOR THEM TO OPERATE CORRECTLY.
5. (GENERAL) REUSE CIRCUIT THAT SERVED LIGHT FIXTURES THAT WERE DEMOLISHED IN EACH AREA TO SERVE NEW LIGHTING IN CORRESPONDING AREA, UNO.
6. ADD NEW TYPE NM1 TO CIRCUIT SERVING OTHER WALL MOUNTED EXTERIOR FIXTURES.
7. PROVIDE NEW PHOTOCELL TO CONTROL NEW EXTERIOR FIXTURES AND ALL EXISTING TO REMAIN EXTERIOR FIXTURES THAT ARE RELATED TO THIS TENANT SPACE. REWORK EXISTING WIRING SUCH THAT OTHER EXTERIOR FIXTURES NOT RELATED TO THIS TENANT SPACE CONTINUE TO BE OPERATIONAL.
8. PROVIDE NEW 20A/1 CIRCUIT BREAKER IN EXISTING PANEL SHOWN TO SERVE NEW EXTERIOR LIGHTING CIRCUIT. CIRCUIT BREAKER SHALL BE A PRODUCT OF THE EXISTING PANEL MANUFACTURER AND SHALL HAVE THE SAME AIC RATING AS THE EXISTING CIRCUIT BREAKERS.

LIGHTING FIXTURE SCHEDULE							
TYPE	DESCRIPTION	MANUFACTURER/SERIES	REFLECTOR/DIFFUSER	FINISH	MOUNTING	LAMPS	NOTES
A4	2X2 LENSED TROFFER	HE WILLIAMS 50 SERIES COLUMBIA S18 METALUX 2008 SERIES OR PRIOR APPROVED EQUAL	PRISMATIC ACRYLIC LENS (0.125" THICKNESS, MIN.) FLUSH STEEL DOOR W/ MITERED CORNERS PROVIDE SPRING LOADED LATCHES WITH DOOR	WHITE	RECESSED CEILING	3-F17T8	W/4 LENS CLIPS
C1	6" DOWNLIGHT	LIGHTOLIER 1102P1 SERIES OR PRIOR APPROVED EQUAL	WHITE BAFFLE	TRIM RING - WHITE	RECESSED CEILING	1-75W PAR	
NF1	WALL PACK SURFACE MOUNT 7" CYLINDER	HE WILLIAMS PVC70 SERIES OR PRIOR APPROVED EQUAL	SEMI-SPECULAR	HOUSING AND EXPOSED PARTS - DARK BRONZE	WALL SURFACE	1-32W TTT	
NM1	WALL PACK SURFACE MOUNT VANDAL RESISTANT	LITHONIA TWH SERIES SECURITY LTG SWP SERIES DAYBRITE WLM SERIES LUMARK WL SERIES EXCELINE WALLCUBE SERIES	HEAT & SHOCK RESISTANT BOROSILICATE GLASS REFRACTOR	HOUSING AND EXPOSED PARTS - DARK BRONZE	WALL SURFACE	1-150W PSMH	
R1	MAXIMUM SECURITY RECESSED LENSED FIXTURE	CORNERSTONE MAXIMUM RECESSED MOUNTED	PRISMATIC ACRYLIC LENS	WHITE	RECESSED CEILING	2-F32T8	W/6 LENS CLIPS
R2						3-F32T8	
XAE	SINGLE FACE EXIT W/ EMERGENCY LIGHTS	ASTRALIGHT EEU-U SERIES OR PRIOR APPROVED EQUAL	RED LETTERS "EXIT", NICKEL CADMIUM BATTERY.	WHITE HOUSING	UNIVERSAL	LED W/ 2-6V 5.4W EM LAMPS	



1 **ELECTRICAL LIGHTING PLAN**
 E-201 SCALE: 1/4" = 1'-0"



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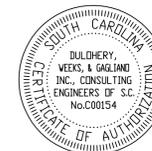
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SHEET TITLE
ELECTRICAL LIGHTING PLAN

SHEET NUMBER
E-201



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SHEET TITLE
**ELECTRICAL
POWER PLAN**

SHEET NUMBER

E-202

**DULOHERY
WEEKS**

Sustainable Engineering
20121056-E-202.dwg

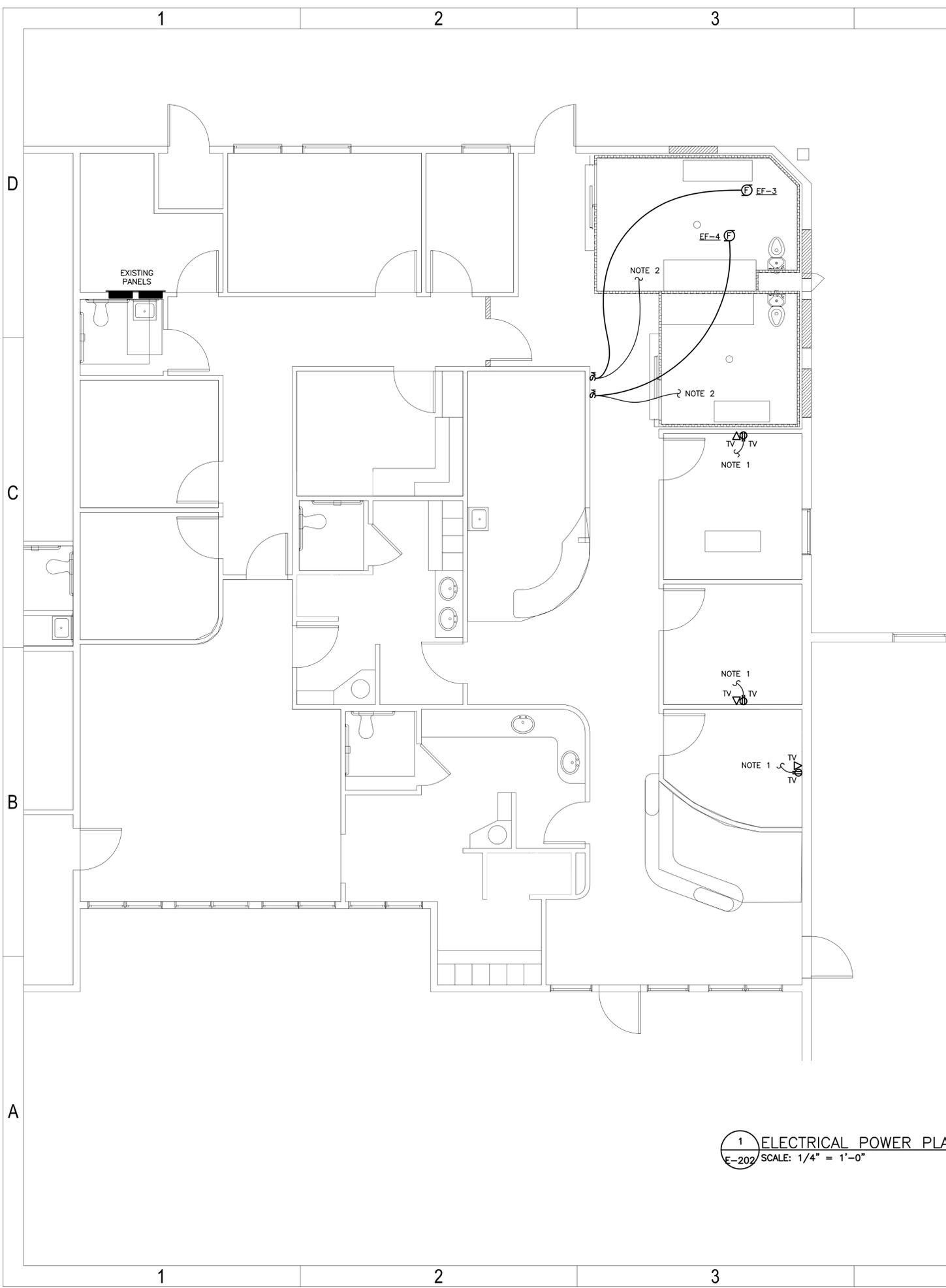
NOTES:

- CONNECT NEW RECEPTACLES SHOWN IN THIS SPACE TO CIRCUIT SERVING EXISTING RECEPTACLES IN THIS SPACE.
- CONNECT EACH EXHAUST FAN TO THE LIGHTING CIRCUIT IN EACH CORRESPONDING AREA.

ITEM	VOLT	PH	AMPS	HP	KW	TTL AMPS	MCA	MOCP	CONTROL / DISCONNECT		CIRCUIT REQUIREMENTS
									BY DIV 15	BY DIV 16	
EF-3	120	1	1.7			1.7	2.1	20/1		Sm	1/2" C. W/ (2) No. 12 AWG & (1) No. 12 (G).
EF-4	120	1	1.14			1.1	1.4	20/1		Sm	1/2" C. W/ (2) No. 12 AWG & (1) No. 12 (G).

NOTES:
1 - THE DESIGN IS BASED ON SINGLE POINT CONNECTIONS TO ALL EQUIPMENT, UNLESS NOTED OTHERWISE.

1 ELECTRICAL POWER PLAN
 E-202 SCALE: 1/4" = 1'-0"



#FILES
#DATES
#TIMES

