CAMERON PARISH PILOT'S LODGE

VENTURE GLOBAL LNG AND LAKE CHARLES PILOTS, INC.
DAVIS RD
CAMERON , LA 70631

CIVIL ENGINEER	Lloyd, Inc
LANDSCAPE ARCHITECT	Red Oak Designs
STRUCTURAL ENGINEER	Pinnacle
ARCHITECT	Energy Architecture, Inc.
ELECTRICAL ENGINEER	CFI Companies
MECHANICAL AND PLUMBING ENGINEER	CFI Companies

SHEET INDEX

GENERAL

G-001	SHEET INDEX
G-002	GENERAL INFO AND CODE SUMMARY
G-101	LIFE SAFETY PLAN

STRUCTURAL

S-101	GENERAL NOTES
S-102	GENERAL NOTES
S-201	FOUNDATION PLAN
S-202	LEVEL 2 FRAMING PLAN
S-203	ROOF FRAMING PLAN
S-204	BUILDING SECTION
S-301	FOUNDATION DETAILS
S-401	CONCRETE FRAMING
S-402	CONCRETE FRAMING
S-403	CONCRETE FRAMING
S-405	STAIR AND DETAILS
S-411	STEEL FRAMING DETAILS
S-412	STEEL FRAMING DETAILS
S-501	BRACE ELEVATIONS AND DETAILS

ARCHITECTURAL

A-001	ENVELOPE ASSEMBLIES
A-002	INTERIOR PARTITION TYPES
A-003	MOUNTING INFO
A-101	SITE PLAN
A-102	SITE PLAN DETAILS
A-103	1ST FLOOR PLAN
A-104	2ND FLOOR PLAN
A-105	1ST FLOOR REFLECTED CEILING PLAN
A-106	2ND FLOOR REFLECTED CEILING PLAN
A-107	ROOF PLAN
A-108	2ND FLOOR FINISH PLAN
A-109	FFE PLAN
A-110	ENLARGED PLANS
A-201	BUILDING ELEVATIONS
A-202	BUILDING ELEVATIONS
A-203	BUILDING ELEVATIONS DETAILS
A-301	BUILDING SECTIONS
A-401	INTERIOR ELEVATIONS
A-402	INTERIOR ELEVATIONS
A-403	EXTERIOR STAIR DETAILS
A-404	ELEVATOR PLANS AND LIFT DETAILS
A-501	DETAILS
A-502	ROOF DETAILS
A-503	ROOF DETAILS
A-601	FRAMED OPENING SCHEDULE
A-611	DOOR SCHEDULE
A-621	FINISH SCHEDULE
A-631	CASEWORK TYPES & DETAILS
A-641	RESTROOM ACCESSORIES

PLUMBING

P0-01	PLUMBING SYMBOLS, LEGENDS AND GENERAL NOTES
P2-00-1	PLUMBING UNDERFLOOR PLAN - LODGE
P2-01-1	PLUMBING FLOOR PLAN - LODGE LEVEL 1
P2-02-1	PLUMBING FLOOR PLAN - LODGE LEVEL 2
P2-03-1	PLUMBING ROOF PLAN - LODGE
P7-01	PLUMBING RISER DIAGRAM
P7-02	PLUMBING RISER DIAGRAM
P8-01	PLUMBING SCHEDULES
P9-01	PLUMBING DETAILS
P9-02	PLUMBING DETAILS

ELECTRICAL

E0-01	ELECTRICAL SYMBOLS, LEGENDS AND GENERAL NOTES
E1-01	ELECTRICAL SITE PLAN
E2-01-1	ELECTRICAL POWER PLAN - LODGE LEVEL 1
E2-01-2	ELECTRICAL POWER PLAN - MAINTENANCE BUILDING LEVE...
E2-02-1	ELECTRICAL POWER PLAN - LODGE LEVEL 2
E2-02-2	ELECTRICAL POWER PLAN - MAINTENANCE BUILDING LEVE...
E3-01-1	ELECTRICAL LIGHTING PLAN - LODGE LEVEL 1
E3-01-2	ELECTRICAL LIGHTING PLAN - MAINTENANCE BUILDING LEV...
E3-02-1	ELECTRICAL LIGHTING PLAN - LODGE LEVEL 2
E3-02-2	ELECTRICAL LIGHTING PLAN - MAINTENANCE BUILDING LEV...
E7-01	ELECTRICAL ONE-LINE DIAGRAM
E8-01	ELECTRICAL SCHEDULES
E9-01	ELECTRICAL DETAILS

LANDSCAPE

L1.00	MATERIAL PLAN
L1.01	MATERIAL PLAN
L2.00	LAYOUT PLAN
L3.00	SITE DETAILS
L4.00	PLANTING PLAN
L4.01	PLANTING PLAN - BUILDING PAD
L5.00	IRRIGATION PLAN
L5.01	IRRIGATION PLAN - SITE PLAN
L5.02	IRRIGATION PLAN - NORTH SITE PLAN
L5.03	IRRIGATION PLAN - BUILDING PAD

MECHANICAL

M0-01	MECHANICAL SYMBOLS, LEGENDS AND GENERAL NOTES
M2-02-1	MECHANICAL DUCTWORK PLAN - LODGE LEVEL 2
M2-02-2	MECHANICAL DUCTWORK PLAN - MAINTENANCE BUILDING ...
M8-01	MECHANICAL SCHEDULES
M9-01	MECHANICAL DETAILS

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

CAMERON PARISH PILOT'S LODGE
DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
1	6/21/2024	RE-ISSUED FOR BID
0	11/17/2023	INITIAL ISSUE

EA PROJECT NUMBER: 20039
ARCHITECT: ALAN CREECH
LICENSE #: 9820

ALAN CREECH
REG. NO. 9820
REGISTERED ARCHITECT
STATE OF LOUISIANA
11/17/2023

SHEET INDEX
G-001

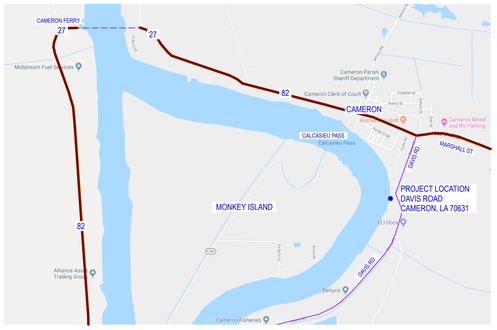
ABBREVIATIONS

A	
AB	ANCHOR BOLT
ACOUS	ACOUSTICAL
AD	ACCESS DOOR
ADJ	ADJACENT
ADJUST	ADJUSTABLE
AFF	ABOVE FINISH FLOOR
AGG	AGGREGATE
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
ALUM	ALUMINUM
ANOD	ANODIZED
AP	ACCESS PANEL
APROX	APROXIMATELY
ARCH	ARCHITECT/ARCHITECTURAL
ASPH	ASPHALT
ATN	ATTENUATION/ATTENUATING
AUTO	AUTOMATIC
AUX	AUXILIARY
AVE	AVENUE
AVG	AVERAGE
A/C	AIR CONDITIONING
A/V	AUDIO VISUAL
B	
BD	BOARD
BLDG	BUILDING
BLKG	BLOCKING
BLK	BLOCK
BM	BEAM
BOT	BOTTOM
BRG	BEARING
BRKT	BRACKET
BSMT	BASEMENT
BTW	BETWEEN
BUR	BUILT UP ROOFING
B&B	BALLED & BURLAPPED
B-B	BACK TO BACK
BM	BENCH MARK
B/F	BOTH FACES
C	
CAB	CABINET
CB	CATCH BASIN
CCTV	CLOSED CIRCUIT TELEVISION
CEM	CEMENT
CER	CERAMIC
CFMF	COLD FORMED METAL FRAMING
CG	CORNER BUARD
CIP	CAST IN PLACE
CI PIPE	CAST IRON PIPE
CJ	CONTROL JOINT
CKBD	CHALKBOARD
CLG	CEILING
CLR	CLEAR(ANCE)
CMU	CONCRETE MASONRY UNIT
CNTR	COUNTER
COL	COLUMN
COMP	COMPOSITION
COMPRES	COMPRESSIBLE
CONC	CONCRETE
COND	CONDITION
CONF	CONFERENCE
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
CORR	CORRIDOR
CORRU	CORRUGATED
CSMT	CASEMENT
CT	CERAMIC TILE
CTR	CENTER
CTSK	COUNTERSUNK
CU FEET	CUBIC FOOT (FEET)
CU YARD	CUBIC YARD
CW	COLD/CHILLED WATER
C-C	CENTER TO CENTER
C.O.	CASED OPENING
C.W.	COOL WHITE
C.W.X.	COOL WHITE DELUXE
D	
D	DEPTH
DBL	DOUBLE
DEFL	DEFLECTION
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DISC	DISCONNECT
DISP	DISPENSER
DL	DEAD LOAD
DMPFG	DAMPPROOFING
DN	DOWN
DR	DOOR
DS	DOWNSPOUT
DTL	DETAIL
DWC	DRYWALL FURRING CHANNEL
DWG	DRAWING
E	
EA	EACH
EFOB	EXTERIOR FACE OF BUILDING
EJ	EXPANSION JOINT
EL	ELEVATION
ELAS	ELASTIC (ELASTOMERIC)
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMER	EMERGENCY
EOD	EDGE OF DECK
EOS	EDGE OF SLAB
EP	EXPLOSION PROOF
EQ	EQUAL
EQUIP	EQUIPMENT
ESP	ELASTIC SHEET PROOFING
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPOSED
EXPAN	EXPANSION
EXT	EXTERIOR

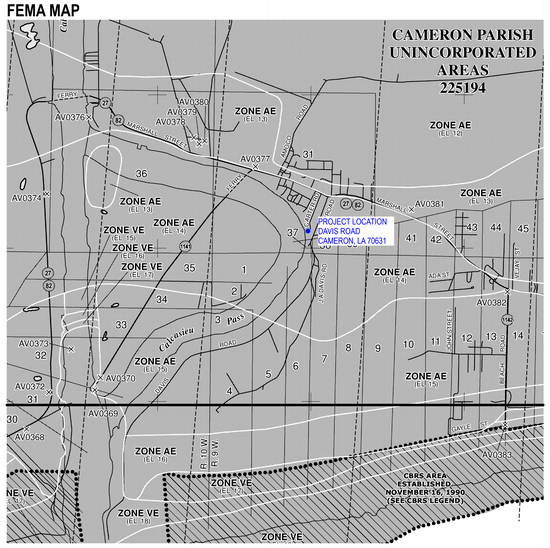
F	
FC	FIRE CODE
FA	FIRE ALARM
FE	FIRE EXTINGUISHER
FD	FLOOR DRAIN
FH	FIRE HYDRANT
FEC	FIRE EXTINGUISHER CABINET
FIN	FINISH/FINISHED
FHC	FIRE HOSE CABINET
FL	FLOW LINE
FIXT	FIXTURE
FLRG	FLOORING
FLR	FLOOR
FLUOR	FLUORESCENT
FLASHG	FLASHING
FND	FOUNDATION
FM	FACTORY MUTUAL
FRPF	FIREPROOF(ING)
FPW	FLOOR PROTECTION WALL
FSEC	FOOD SERVICE EQUIPMENT
	CONTRACTOR
FS	FULL SIZE
FTG	FOOTING
FT	FOOT(FEET)
FURR	FURRED/FURRING
FURN	FURNISH
FVC	FIRE VALVE CABINET
FV	FIELD VERIFY
FWC	FABRIC WALL COVERING
G	
GAL	GALLON
GA	GAUGE
GC	GENERAL CONTRACTOR
GALV	GALVANIZED
GEN	GENERAL
GD	GUARD
GL	GLASS/GLAZING
GI	GALVANIZED IRON
GR	GRADE/GRADING
GMP	GUARANTEED MAXIMUM PRICE
GYP	GYPSUM
H	
HC	HOLLOW CORE
HB	HOSE BIB
HDCP	HANDICAPPED
HD	HEAD
HDWR	HARDWARE
HDWD	HARDWOOD
HM	HOLLOW METAL
HFS	HALF FULL SIZE
HP	HORSEPOWER
HORIZ	HORIZONTAL
HT	HEIGHT
HR	HOUR
HW	HOT WATER
HVAC	HEATING, VENTILATING, & AIR CONDITIONING
HYD	HYDRANT
I	
IN	INCH
ID	INSIDE DIAMETER
INCL	INCLUDE
INCAND	INCANDESCENT
INSUL	INSULATION/INSULATING
INFO	INFORMATION
IPS	INSIDE PIPE SIZE
INT	INTERIOR
J	
JAN	JANITOR
JST	JOIST
JT	JOINT
L	
LAM	LAMINATE(D)
LAV	LAVATORY
LGTH	LENGTH
LH	LEFT HAND
LIN	LINEAR
LL	LIVE LOAD
LT	LIGHT
LV	LEVEL
LVR	LOUVER
LWT	LIGHTWEIGHT
M	
m	METER
MACH	MACHINE
mm	MILLIMETER
MAS	MASONRY
MAINT	MAINTENANCE
MAX	MAXIMUM
MATL	MATERIAL
MEMB	MEMBRANE
MECH	MECHANICAL
MFR	MANUFACTURER
MEP	MECHANICAL/ELECTRICAL/ PLUMBING
MIN	MINIMUM
MH	MANHOLE
ML	METAL LATH
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MLDG	MOLDING
MTD	MOUNTED
MR	MOISTURE RESISTANT
MTL	METAL
MTG	MOUNTING
MULL	MULLION
N	
NO. or #	NUMBER
NRC	NOISE REDUCTION COEFFICIENT
NOM	NOMINAL
NTS	NOT TO SCALE
O	
OA	OVERALL
OC	ON CENTER(S)
OD	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED/ CONTRACTOR INSTALLED
OFF	OFFICE
OFOI	OWNER FURNISHED/OWNER INSTALLED
OH	OVERHEAD
OP	OPERABLE PARTITION
OPH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
ORD	OVERFLOW ROOF DRAIN
OS	OVERFLOW SCUPPER
O/A	OUTSIDE AIR

P	
PART	PARTITION
PCF	POUNDS PER CUBIC FOOT
PCP	PORTLAND CEMENT PLASTER
PCT	PORCELAIN CERAMIC TILE
PERF	PERFORATED
PFP	PREFINISHED PANEL
PL	PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLAS	PLASTIC
PLAST	PLASTER
PLBG	PLUMBING
PLWD	PLYWOOD
PNL	PANEL
POL	POLISHED
PR	PAIR
PRKG	PARKING
PSF	POUNDS PER SQUARE FOOT
PSI	POUND PER SQUARE INCH
PTD	PAINTED
PVC	POLYVINYL CHLORIDE
PVG	PAVING
PVMT	PAVEMENT
P/C	PRECAST
Q	
QT	QUARRY TILE
R	
R	RISER
RAD	RADIUS
RD	ROOF DRAIN
RE	REFER TO
REBAR	REINFORCING BAR
REC	RECESSED
RECEPT	RECEPTION
RECEP	RECEPTACLE
RECOM	RECOMMENDATION
REG	REGULATION
REINF	REINFORCED
REQD	REQUIRED
RES	RESILIENT
RET	RETURN
REV	REVISION
RFG	ROOFING
RH	RIGHT HAND
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
R/AG	RETURN AIR GRILLE
R/A	RETURN AIR
S	
SC	SOLID CORE
SCHED	SCHEDULE
SECT	SECTION
SF	SQUARE FEET
SHLV	SHELVES/SHELVING
SHT	SHEET
SHTHG	SHEATHING
SIM	SIMILAR
SPEC	SPECIFICATION
SQ	SQUARE
SSTL	STAINLESS STEEL
STA	STATION
STAB	STABILIZE(D)
STC	SOUND TRANSMISSION COEFFICIENT
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURE/STRUCTURAL
SUSP	SUSPENDED
SW	SWITCH
SYN	SYNTHETIC
S/AD	SUPPLY AIR DIFFUSER
T	
T	TREAD
TCOC	TEXTURED COATING ON CONCRETE
TC	TOP OF CURB
TEMP	TEMPERED
TEL	TELEPHONE
THRES	THRESHOLD
THK	THICK(NESS)
TOS	TOP OF STEEL
TKBD	TACKBOARD
TRANS	TRANSFORMER
TOSS	TOP OF STRUCTURAL SLAB
TTC	TELEPHONE TERMINAL CABINET
TRZO	TERRAZZO
TYP	TYPICAL
TV	TELEVISION
U	
UNO	UNLESS NOTED OTHERWISE
UL	UNDERWRITERS LABORATORY
UR	URINAL
V	
VAC	VACCUUM
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VWC	VINYL WALLCOVERING
W	
WC	WATER CLOSET
WD	WOOD
WDW	WINDOW
WF	WIDE FLANGE
WH	WALL HUNG
WI	WROUGHT IRON
WP	WATERPROOF(ING)
WR	WATER RESISTANT
WT	WEIGHT
WWF	WELDED WIRE FABRIC
W.P.	WORK POINT
W.W.	WARM WHITE
W.W.X.	WARM WHITE DELUXE
W/I	WITHIN
W/O	WITHOUT
W/	WITH

VICINITY MAP



FEMA MAP



CURRENT CODES

2021 CODES AND ADMENDMENTS

(1)International Building Code;
(2)International Residential Code;
(3)International Existing Building Code;
(4)International Mechanical Code;
(5)International Fuel/Gas Code;
(6)International Plumbing Code;
(7)National Electrical Code;

2018 CODES AND ADMENDMENTS

(8)International Energy Code (Building Envelope and Duct Tightness).

CODE SUMMARY

	IBC & IFC 2015 Reference	Lodge Ground Floor	Lodge Second Floor	Utility Ground Floor	Utility Second Floor	Generator Room	NFPA Ref, Notes
		S-2	R-2	S-2	S-2	S-2 Accessory	
AHJ & ETJ Requirements							LSUCC - 7/1/2023 Adopted IBC 2021 with amendments Construction Permit require by County Fire Marshal. Verify Official AJH
Occupancy Classification	**304.1**	Storage Group S, Open Parking Garage	Residential Group R-2, Dormitory	Storage Group S, Open Parking Garage	Storage Group S, Storage	Hazardous Group H-2	NFPA 101 S 6.1.11, NFPA 1 S 6.1.11
Construction Type	**T 601, T 602**	II-B	II-B	II-B	II-B		
Sprinklered Building	**903.3.1.1**	Yes	Yes	Yes	Yes		
Special Industrial Occup	**503.1.1**	NA	NA	NA	NA	NA	
Allowable Height	**T 504.3**	75'	75'	75'	75'		
Actual Height		38'	38'	38'	38'	38'	
Allowable Stories	**T 504.4**	4	4	4	4	1	
Actual Stories		2	2	2	2	2	
Allowable Building Area, t	**T 506.2**	78,000	48,000	78,000	78,000	7,000	
Frontage Increase	**506.3**	35,880	22,080	23,920	16,380	6,440	
Allowable Building Area, equation 5.3		113,880	70,080	101,920	94,380	13,440	
Actual Building Area / Occ		16,167	16,167	1,751	1,200	486	
Ratio of Actual to Allowable Area		0.142	0.231	0.017	0.013	0.036	
Allowable per Ratio?		0.373 TRUE		0.066 TRUE			
Actual Total Building Area		31,282	31,282	3,437	3,437	3,437	
Multiple Use Occupancy Allowable Area	**506.2.2, Eq 5-1, § 508.1**						
Tabular Occupancy Separation, Hrs	**T 508.4**	R-2 to S-2,1 Hr	R-2 to S-2, 1 Hr	S-2-S-2, 0 Hr	S-2-S-2, 0 Hr	S-2-S-2, 0 Hr	NFPA 110 7.2.1.1 - 2-Hr Fire Separation at Generator
	506.3.2 & 506.3.3	Perimeter = 692' Frontage = 692', 100% W min = 51 If = 1.38	Perimeter = 692' Frontage = 692', 100% W min = 51 If = 1.38	Perimeter = 174' Frontage = 174' W min = 27' If = .83	Perimeter = 174' Frontage = 147', 82% W min = 27' If = .83	Perimeter = 174' Frontage = 90', 51% W min = 51' If = .80	
Unlimited Area Buildings	**507.5**	NA	NA	NA	NA	NA	
Occupancy Separation	**T 508.4**	1Hr S-2/ R-2	1Hr S-2/ R-2	None	None	3-Hr H-2/S-2	NFPA 101 6.1.14.4.1(b) for Control Area Occupancy classification
Control Area	**414.2**	1x	1x	1x	1x	1x	
	414.2.1						Fully Sprinklered Building
	T 414.2.2						
	T 307.1 (1)					H-2 (<240 gal - Class II Combustible liquid)	IBC 2015 Table 414.2.2 percentage of MAQ per control area
Explosion Control	**T 414.5.1**	Not Required	Not Required	Not Required	Not Required	Not Required	
Emergency Standby Power	**414.5.2**	Not Required	Not Required	Not Required	Not Required	Not Required	
Fire Resistance - Bldg Elements	**T 601, T 602**	II-B - 0 Hrs	II-B - 0 Hrs	II-B - 0 Hrs	II-B - 0 Hrs	II-B - 0 Hrs	NFPA 220 T 4.1.1
Max Openings	**T 705.8**	No Limit - Separation Distance >30'	No Limit - Separation Distance >30'	No Limit - Separation Distance >30'	No Limit - Separation Distance >30'	5'-10' Separation Distance, 25% opening	Unprotected opening not permitted FSD less then 15 feet for H-2 and H-3
Penetrations	**714.4**	N/A	N/A	N/A			NFPA 101 8.3.3.1
Interior wall and ceiling Finishes	**T803.13**	Sprinklered B;B;C	Sprinklered B;B;C	Sprinklered B;B;C	Sprinklered B;B;C		
Pump Room	**902.1**	Riser Room	Riser Room	Riser Room	Riser Room	Riser Room	
Automatic Sprinkler System	**903.2**	Required	Required	Required	Required	Required	
Automatic Fire Detection System	**907.2.2**	Required	Required	Required	Required	Required	
Fire Extinguishers	**T 906.3(1) and NFPA 10**	Maximum area per extinguisher 11,250 SF, maximum travel distance 75 ft., and maximum floor area of 1,000 SF per unit of A (Ordinary (High) Hazard Occupancy.	Maximum area per extinguisher 11,250 SF, maximum travel distance 75 ft., and maximum floor area of 1,000 SF per unit of A (Ordinary (High) Hazard Occupancy.	Maximum area per extinguisher 11,250 SF, maximum travel distance 75 ft., and maximum floor area of 1,000 SF per unit of A (Ordinary (High) Hazard Occupancy.			Office 4A:40B:C
Flammable or Combustible	**T 906.3(2) and NFPA 10**	40B @ 30 80B @ 50	40B @ 30 80B @ 50	40B @ 30 80B @ 50	40B @ 30 80B @ 50		**NFPA 10** **5.4.1.3 Extra Hazard.** Extra hazard occupancies shall be clas- sified as locations where the quantity and combustibility of Class A combustible material are high or where high amounts of Class B flammables are present and rapidly developing fires with high rates of heat release are expected. These occupancies consist of fire hazards involved with the storage, packaging, handling, or manufacture of Class A combustibles, and/or the total quantity of Class B flammables expected to be present is more than 5 gal (18.9 L) in any room or area.
Fire Alarm and Automatic Smoke Detection Systems	**907.2.5, 907.2.14**	Required	Required	Required	Required		NFPA 101 38.3.4.1 IBC 907.2 Not fewer than one manual fire alarm box shall be provided in an approved location to initiate a fire alarm signal for fire alarm systems employing automatic fire detectors or waterflow detection devices. Where other sections of this code allow elimination of fire alarm boxes due to sprinklers, a single fire alarm box shall be installed.
Fire Detection System	**Table 3206.2**						
Fire Department Access	**Table 3206.2**						
Max pile length	**Table 3206.2**						
Max pile Height	**Table 3206.2**						
Max Volume	**Table 3206.2**						
Smoke and Heat Removal	**910, 910.2.1, 910.2.2, T3206.2**	Not required	Not required	Not required	Not required		Exception:
Gas Detection System	**916.1**	Not required	Not required	Not required	Not Required		
Emergency Alarm System	**908.1**	Required	Required	Required			
Ceiling Height	**1003.2**	7'-6" min egress	7'-6" min egress	7'-6" min egress			NFPA 101 7.1.5.1
Occupancy Load Factor	**T 1004.5**	200	200	500	500	500	NFPA 101 T 7.3.3.1, NFPA 101 T 14.8.3.1
	Occupants Allowed	**81**	**81**	**4**	**3**	**1**	
	Occupant Total	162		8			
Plumbing Fixtures	**Occupancy Type**						
	Business B						
	Assembly A-2						
	Factory F-1						
	Storage S-1						
	Fixtures Required						
Means of Egress Sizing	**1005.3.1, 1005.3.2**	0.2	0.2	0.2	0.2	0.2	
Stairways	**Min Width by Occupancy Load, Inches**	16.2	16.2	0.8	0.6	0.2	
	Min Width, inches	44	44	44	44	44	
Egress Components		0.15 12.15	0.15 12.15	0.15 0.6	0.15 0.45	0.15 0.15	
		44	44	44	44	44	
Minimum number of Exits	**T 1006.3.1**	2	2	2			NFPA 101 7.4.1.2, NFPA 1 14.9.1.2
Spaces with One Exit or Exit Access Doorway	**T 1006.2.1**						NFPA 101 38.2.4.3
CPE, Dead-ends, travel distances	**1006.2.1, 1020.4**	Automatic Sprinklers System: Common Path = 100' Dead End Corridor = 50' Travel Distance = 250'	Automatic Sprinklers System: Common Path = 100' Dead End Corridor = 50' Travel Distance = 250'	Automatic Sprinklers System: Common Path = 100' Dead End Corridor = 50' Travel Distance = 250'	Automatic Sprinklers System: Common Path = 75' Dead End Corridor = 50' Travel Distance = 250'		NFPA 101 TA.7.6 IBC 2015 No Exception Allowed for Group H.
Arrangement of Exits	**1007.1.1**						Exception: 2 903.3.1.2. the separation distance shall be not less than one-third of the length of the maximum overall diagonal dimension of the area served.

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

CAMERON PARISH PILOT'S LODGE

DAVIS RD
CAMERON , LA 70631

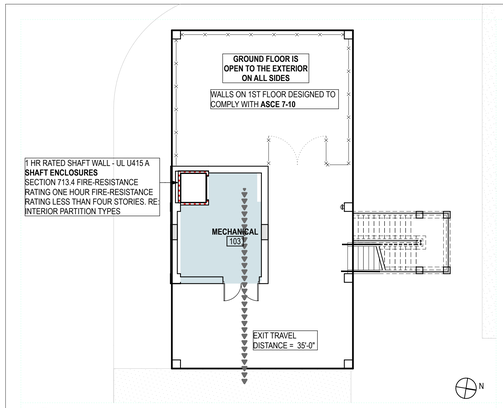
REV	DATE	DESCRIPTION
1	6/21/2024	RE-ISSUED FOR BID
0	11/17/2023	INITIAL ISSUE

EA PROJECT NUMBER: 20039
ARCHITECT: ALAN CREECH
LICENSE #: 9820

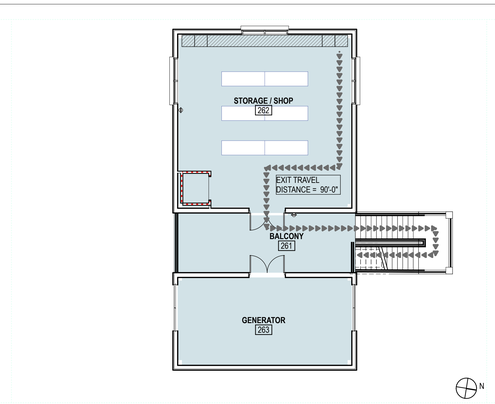
ALAN CREECH
REG. NO. 9820
REGISTERED ARCHITECT
STATE OF LOUISIANA
11/17/2023

GENERAL INFO AND CODE SUMMARY

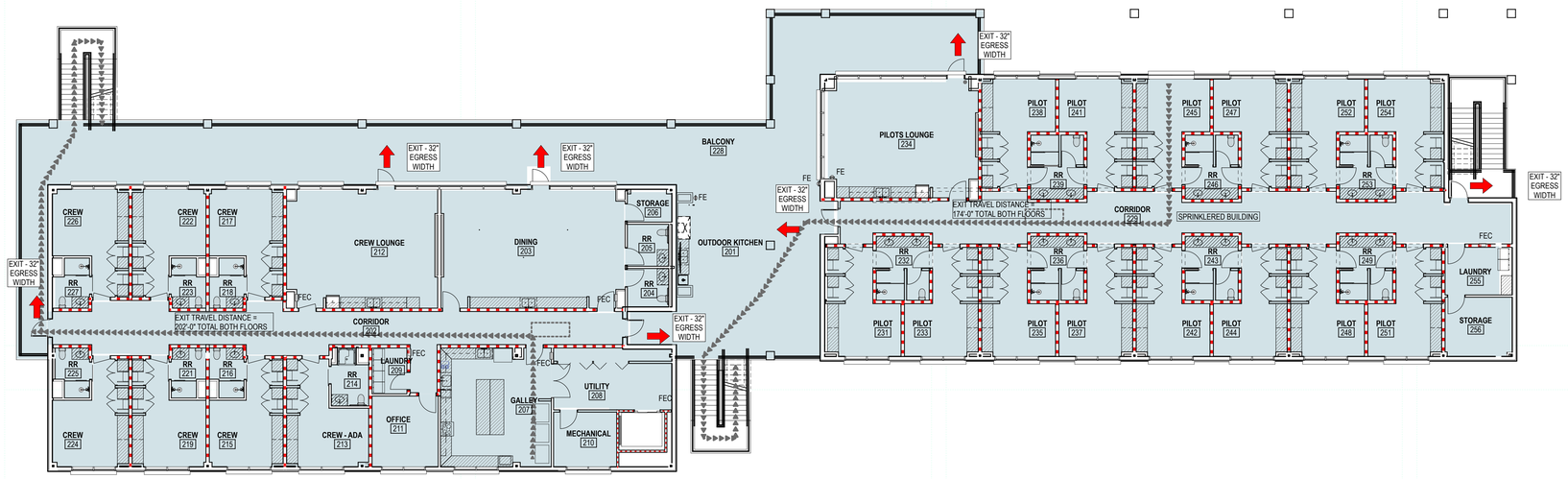
G-002



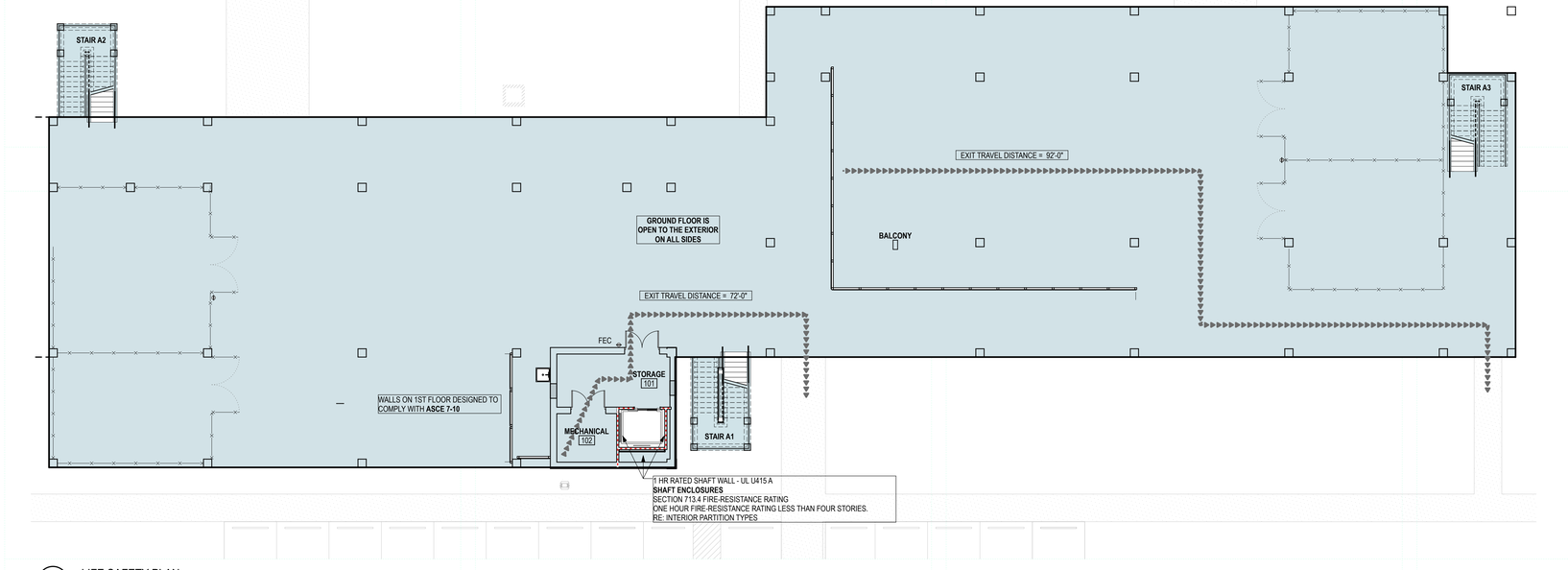
D1 LIFE SAFETY PLAN
SCALE: 3/32" = 1'-0"



D2 2ND FLOOR LIFE SAFETY PLAN
SCALE: 3/32" = 1'-0"



B1 2ND FLOOR LIFE SAFETY PLAN
SCALE: 3/32" = 1'-0"



A1 LIFE SAFETY PLAN
SCALE: 3/32" = 1'-0"

LIFE SAFETY PLAN NOTES

GRAPHIC LEGEND

- FE — WALL MOUNTED FIRE EXTINGUISHER
- FEC — SEMI-RECESSED FIRE EXTINGUISHER CABINET
- FEC-R — RECESSED FIRE EXTINGUISHER CABINET
- ILLUMINATED EXIT SIGN, RE: RCP AND ELEC
- SD — SMOKE DETECTOR
- PATH OF TRAVEL
- DIAGONAL DISTANCE
- EXIT SEPARATION
- EXIT - XX" — EXIT DISCHARGE AND PROVIDED EGRESS WIDTH
- 1 HR RATED
- 2 HR RATED
- 3 HR RATED
- 4 HR RATED

FIRE-RATED PARTITIONS, RE: FLOOR PLANS AND PARTITION TYPES

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

CAMERON PARISH PILOT'S LODGE

DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
1	6/21/2024	RE-ISSUED FOR BID
0	11/17/2023	INITIAL ISSUE

EA PROJECT NUMBER: 20039
ARCHITECT: ALAN CREECH
LICENSE #: 9820

ALAN CREECH
REG. NO. 9820
REGISTERED ARCHITECT
STATE OF LOUISIANA
11/17/2023

LIFE SAFETY PLAN
G-101

GENERAL NOTES

I. CODES AND SPECIFICATIONS

A. GENERAL BUILDING CODE
1. International Building Code 2018
2. ASCE 7 – Minimum Design Loads for Buildings and Other Structures

B. CONCRETE CODES
1. ACI 318 – Building Code Requirements for Structural Concrete
2. ACI 301 – Specifications for Structural Concrete
3. ACI 315 – Details and Detailing of Concrete Reinforcement
4. AWS D1.4 – Structural Welding Code: Reinforcing Steel
5. CRSI – Manual of Standard Practice

C. STRUCTURAL STEEL CODES
1. AISC 360 – Specifications for Structural Steel Buildings
2. AISC 303 – Code of Standard Practice for Steel Buildings and Bridges
3. AWS D1.1 – Structural Welding Code: Steel
4. AWS D1.3 – Structural Welding Code: Sheet Steel
5. Research Council on Structural Connections – Specification for Structural Joints using High-Strength Bolts

D. MASONRY CODES
1. TMS 402 – Building Code Requirements for Masonry Structures
2. TMS 602 – Specification for Masonry Structures

E. COLD FORMED STEEL (LIGHT GAGE STEEL) CODE
1. AISI S100 – North American Specification for the Design of Cold Formed Steel Structural Members

F. CONFLICTS IN STRUCTURAL REQUIREMENTS
1. Where conflict exists between the various publications as specified herein, the strictest requirements of the various publications shall govern unless noted otherwise. Where conflict exists among the various parts of the Structural Contract Documents, (Structural Drawings, General Notes, Specifications) the strictest requirements shall govern.

All Codes and Specifications listed above shall include all amendments and addenda for the editions referenced in the International Building Code version listed in GENERAL BUILDING CODES, Paragraph I. A., as per Section 102.4. Otherwise, the latest edition of the Code or Specification shall be used.

II. TYPICAL DETAILS

A. Details labeled "Typical Details" on the Drawings shall apply to all situations on the Project that are the same or similar to those specifically detailed. Such details shall apply whether or not they are keyed in at each location. Questions regarding applicability of typical details shall be determined by the Engineer.

III. DESIGN CRITERIA

A. GENERAL
1. Dead loads: Dead load materials assumed in the design are shown on the Architectural and Structural Drawings. Any changes in construction materials from those shown on the Architectural or Structural Drawings shall be reported by the General Contractor to the Structural Engineer for verification of load carrying capacity of the structure.
2. Partitions: An allowance of 15 psf has been made for partitions as a uniformly distributed live load, wherever partitions are used and locations subject to change excluding public lobbies, corridors, restrooms, and places of public assembly.
3. Mechanical Rooms: Loadings for mechanical rooms are based on the minimum live loads as specified in Paragraph B below unless the weights of the actual equipment including housekeeping pads as shown on the Mechanical Drawings are larger, in which case, the actual loads are used. The General Contractor shall submit weights to the Structural Engineer for all equipment placed in mechanical rooms and rooftops for verification of loads used in the design and shall report any changes in location, number of pieces, and weight of equipment as shown on the Mechanical Drawings.

B. LIVE LOADS

CATEGORY	UNIFORM LOAD (PSF)	CONCENTRATED LOAD (#)
Roof	20	300
Grab Bars (Restrooms)	N/A	250
Guard Rails & Hand Rails	50 plf or 200 lbs. applied at top rail in any direction. Intermediate rails = 25 plf.	
Office Floors	50	2000
Assembly Areas, Plaza, Terraces, Lobbies	100	0
Corridors, First Floor	100	0
Dining Rooms, Restaurants	100	0
Dormitories, Nonpartitioned	80	0
Dormitories, Partitioned	40	0
Laundry	150	0
Stairways, Exit Facilities	100	300
Storage - Light	125	0
Walkways & Elevated Platforms	60	0

Live loads have been reduced on any member based on the Code cited in CODES AND SPECIFICATIONS, Paragraph I. A.

C. WIND LOADS
1. Wind pressure based on the requirements of Code cited in CODES AND SPECIFICATIONS, Paragraph I. A.
2. V = 154 mph, Exposure: D.
3. Risk Category III

D. ELEVATOR LOADS
1. Machine Beam, Car Buffer, Counterweight Buffer, and Guide Rail Loads. Assumed elevator loads to the supporting structure are shown on the Drawings, including machine beam reactions, car buffer reactions, counterweight buffer reactions, and horizontal and vertical guide rail loads. The General Contractor shall submit to the Structural Engineer final elevator shop drawings showing all loads to the structure prior to the installation of the elevators for verification of load carrying capacity.
2. Machine Room Live Load: Elevator machine rooms are designed for a uniform (unreduced) live load of 100 psf.

IV. FOUNDATION - GENERAL

A. GEOTECHNICAL REPORT
Foundation design is based on the following geotechnical report:
Geotechnical Engineering Report - Cater MOF
Prepared by: Lloyd Engineering, Inc
Report No. ELI235031
Dated: Sept. 28, 2023

All recommendations therein that relate to the work shown on these drawings shall be followed.

B. FOUNDATION APPROVAL AND INSPECTION BY AUTHORIZED INSPECTOR
1. Unless authorized otherwise by the Owner or Architect, the General Contractor shall notify the Geotechnical Engineer or other authorized inspector for review of foundation bearing surface, inspection of foundation installation, and foundation installation methods (including construction dewatering methods where required) and shall not place concrete prior to inspector's approval.

C. FOUNDATION REINFORCING STEEL INSPECTION BY STRUCTURAL ENGINEER
1. The Contractor shall notify the Engineer or authorized inspector 24 hours in advance of any major foundation pour.
2. The Contractor shall not pour any foundation concrete without inspection and approval of all reinforcing steel placement by the Structural Engineer or authorized inspector.

D. GRADE BEAMS
1. Grade Beam Side Forms.
   a. Form exposed faces of grade beams.
2. Grade beam bottom steel shall be chaired at 5 foot maximum centers using beam bolsters providing 3 inch bottom cover to reinforcing steel. Beam bolsters used shall be intended for support on soil.
3. Bottom bars of grade beam shall be spliced (where required) at footings only. Top bars shall be spliced (where required) at the midspan of the grade beams. Lap length shall be 36 times bar diameter unless specified otherwise. Provide corner bars to match top and bottom steel.

E. SLAB-ON-GRADE CONSTRUCTION
1. Slab on grade construction shall follow the recommendations of Guide for Concrete Floor and Slab Construction ACI 302.1R and ACI 302.2R.
2. Subgrade Preparation shall conform to the soils report noted above. If report does not specify the amount of select fill, provide fill as required above to reduce PVR to 1 inch.

F. VAPOR RETARDER
1. Vapor retarder shall: have no more than 0.01 perms when tested in accordance with ASTM E-96; meet or exceed the requirements of ASTM E-1745, Class A; (U.N.O.) in accordance with ACI 302.2R. Acceptable products include:
   a. Stego Wrap, 15 mils, by Stego Industries LLC
   b. Husky Yellow Guard, 15 mils, by Poly-America
   c. Approved equal conforming to performance requirements
2. All seams shall be overlapped a minimum of 6 inches and taped with polyethylene tape. All penetrations, block-outs, and openings shall be sealed using a combination of the vapor retarder and polyethylene tape. Tape shall be provided by vapor retarder vendor.
3. Review of the installed product by a representative of the supplier is recommended.

V. CONCRETE

A. SPECIFICATIONS
1. All specifications shall be as noted below, unless noted otherwise in the drawings.
2. Concrete shall comply with the requirements of ACI 318 and ACI 301.
3. Type I/II Portland Cement conforming to ASTM C150 shall be used.
4. Fly ash conforming to ASTM C618, Type C or F may be used. The maximum amount of fly ash shall be 25% of the total cementitious material by weight.
5. Aggregates shall conform to ASTM C33 for normal-weight concrete and ASTM C330 for lightweight concrete.
6. Water used in mixing concrete shall conform to ASTM C94.

B. CLASSES OF CONCRETE
1. All concrete shall conform to the requirements as specified in the table below unless noted otherwise on the Drawings:

USAGE	28 DAY COMP. CONC. STRENGTH (PSI)	TYPE	NOMINAL MAX. AGGREGATE SIZE
Grade Beams	4000	NW	1 1/2"
Elevator Pit Walls and Slab	4000	NW	1 1/2"
Suspended Floor System	4000	NW	1"
Columns	4000	NW	1"
Precast piles	5000	NW	3/4"

Note: NW = Normal-weight concrete

2. Concrete for slab-on-grade shall have a maximum water-cement ratio of 0.50.
3. Admixtures used shall be compatible with floor treatments.
4. Concrete at interior slabs shall not have air-entraining admixtures.
5. There shall be no horizontal cold joint in any concrete pour.

C. CONCRETE MIX DESIGNS
1. Concrete mix designs must be submitted a minimum of 15 days prior to the start of the work for Engineer and Owner's testing laboratory approval prior to placement of concrete in the field.
2. Any adjustments in approved mix designs including changes in admixtures must be submitted in writing to the Engineer and Owner's testing laboratory for approval prior to use in the field.
3. Concrete designed to be pumped shall be noted so on the mix designs and shall have mix proportions compatible with the pumping process.
4. Mix designs shall be proportioned based upon trial batching or experience as required by ACI 318.

VIII. REINFORCING STEEL

A. SPECIFICATION
1. All specifications shall be as noted below, unless noted otherwise in the drawings.
2. Reinforcement shall comply with the requirements of ACI 315 and ACI 318.
3. All steel reinforcement shall conform to ASTM A615, Grade 60.
4. All welded reinforcing steel shall conform to ASTM A706.
5. All welded smooth wire fabric shall conform to ASTM A1064 (Yield strength = 65,000 psi).
6. All welded deformed wire fabric shall conform to ASTM A1064 (Yield strength = 70,000 psi).
7. All welded wire fabric shall be furnished in flat sheets only.
8. Welding shall comply with the requirements of AWS D1.4.

B. DETAILING AND BAR SUPPORTS
1. Detailing of and bar supports for reinforcing steel shall be in accordance with the ACI Standard Details and Detailing of Concrete Reinforcement as reported by ACI Committee 315. All continuous reinforcing steel shall be lapped using a Class B lap splice, unless specified otherwise.

C. MANUAL OF CONCRETE PRACTICE
1. Unless noted otherwise, methods of estimating, detailing, fabricating, placing and contracting for reinforcing materials shall follow the Manual of Standard Practice as published by the Concrete Reinforcing Steel Institute.

D. PLACEMENT OF WELDED WIRE FABRIC
1. Welded wire fabric shall be continuous across the entire concrete surface and not be interrupted by beams or girders and properly lapped one cross wire spacing plus 2 inches.

E. REINFORCING STEEL COVERAGE
Reinforcing steel coverage should conform to the requirements specified below. The reinforcing steel detailer shall adjust reinforcing steel cage sizes at intersecting structural members as required to allow clearance for intersecting reinforcing bar layers maintaining minimum specified cover. Cover in structural members not specified below shall conform to the requirements of ACI 318 Section 7.7 unless specified otherwise on the drawings.
1. Foundation Members
   a. Grade Beams — 1 1/2" top, 3" bottom, 2" sides (3" sides if cast against soil)
   b. Exterior Slab-on-Grade — 2" top cover for one layer of steel. 2" top cover, 3" bottom cover for two layers of steel. ze
   c. Sump Walls, Pit Walls — 2" both faces
2. Mild Reinforced Members, Interior Exposure (conditioned space)
   a. Structural Slabs — 1 1/2" top, 1 1/2" bottom
   b. Beams, Girders — 1 3/4" top cover, 1 1/2" side cover, 1 1/2" bottom cover (including primary steel and stirrups)
   c. Columns — 1 1/2" (including column ties)
   d. Shear Walls, Interior Walls — 1 1/2" (including ties where used)
3. Mild Reinforced Members, Exterior Exposure (unconditioned air space)
   a. Structural Slabs — 2" top cover, 2" bottom cover
   b. Beams, Girders — 2 3/4" top cover, 2" side cover, 2" bottom cover (to primary steel and stirrups)
   c. Columns — 2" (including ties)
   d. Walls — 2" (including ties where used) 3/4" interior face, 1" edges

VII. POST-INSTALLED ANCHORS

A. GENERAL
1. Except where indicated on the drawings, post-installed anchors shall consist of the following anchor types as provided by Hilti, Inc. or approved equal.

B. ANCHORAGE TO CONCRETE
1. Adhesive Anchors
   a. Adhesive anchors for cracked and uncracked concrete use:
      i. Hilti HIT-HY 200 Safe Set System with the Hilti HIT-Z rod per ICC ESR-3187 or approved equal
      ii. Hilti HIT-HY 200 Safe Set System with Hilti hollow drill bit and VC 150/300 with Hilti HAS threaded rod per ICC ESR-3187 or approved equal
      iii. Hilti HIT-RE 500 V3 Safe Set System with Hilti hollow drill bit and VC 150/300 with Hilti HAS threaded rod per ICC ESR-3814 or approved equal
      iv. Hilti HIT-RE 500 V3 Safe Set System with Hilti HIT-RT roughening tool with Hilti HAS threaded rod per ICC ESR-3814 for diamond cored holes or approved equal
   b. Basis of design includes the following design parameters:
      i. Cracked concrete
      ii. Water-saturated concrete
      iii. Base material temperature of 23 to 104 degrees Fahrenheit
      iv. Allowable with hammer-drill, hollow drill bit system, and core drilling methods
2. Mechanical Anchors
   a. Medium duty mechanical anchors for cracked and uncracked concrete use:
      i. Hilti Kwik Bolt-TZ expansion anchors Safe Set System with hollow drill bit and VC 150/300 and SI-AT-A22 with adaptive torque per ICC ESR-1917 or approved equal
      ii. Hilti Kwik Bolt 3 expansion anchors safe set system with hollow drill bit and VC 150/300 and SI-AT-A22 with adaptive torque (uncracked concrete only) per ICC ESR-3027 or approved equal
      iii. Hilti Kwik HUS EZ and Kwik HUS-EZ-I/E screw anchors Safe Set System with hollow drill bit and VC 150/300 per ICC ESR-3027 or approved equal
   b. Heavy duty mechanical anchors for cracked and uncracked concrete use:
      i. Hilti HDA undercut anchors per ICC ESR-1546 or approved equal
      ii. Hilti HSL-3 expansion anchors per ICC ESR-1545 or approved equal
   c. Mechanical anchors specified as carbon steel may only be used in dry hole conditions. It is the responsibility of the contractor to provide dry hole conditions for installation, or they shall contact the engineer of record for a stainless steel anchor alternative.

C. GENERAL REQUIREMENTS
1. Anchor capacity used in design shall be based on the technical data published by Hilti or such other method as approved by the structural engineer of record. Substitution requests for alternate products must be approved in writing by the structural engineer of record prior to use. Contractor shall provide calculations that have been sealed by another licensed engineer demonstrating that the substituted product is capable of meeting the performance of the specified product. Substitutions will be evaluated by their having an ICC ESR showing compliance with the relevant building code for seismic uses, load resistance, installation category, and availability of comprehensive installation instructions. Adhesive anchor evaluation will also consider creep, in-service temperature, installation temperature, moisture condition of concrete, and drilling methods.
2. Install anchors per the Manufacturer Printed Installation Instructions (MPII), as included in the anchor packaging.
3. Adhesive anchors in upwardly-inclined orientation and/or embedment depths greater than 10 inches must be installed using the Hilti Profis Piston Plug System.
4. The contractor shall arrange an anchor manufacturer's representative to provide onsite installation training for all of the anchoring products specified. The structural engineer of record must receive documented confirmation that all personnel who install anchors are trained prior to the commencement of anchor installation.
5. Anchor capacity is dependent upon spacing between adjacent anchors and proximity of anchors to edge of concrete. Install anchors in accordance with spacing and edge clearances indicated on the drawings.
6. Existing reinforcing bars in the concrete structure may conflict with specific anchor locations. Unless noted on the drawings that the bars can be cut, the contractor shall review the existing structural drawings and shall undertake to locate the position of the reinforcing bars at the locations of the concrete anchors by ferroscan, GPR, x-ray, or other means.
7. All hole conditions are assumed to be dry or water-saturated, unless noted otherwise. The contractor shall be responsible for removing water in order to avoid water-filled hole or submerged hole conditions before installing anchors.

VIII. POST-INSTALLED REBAR

A. GENERAL
1. Except where indicated on the drawings, post-installed rebar shall use the following products as provided by Hilti, Inc. or approved equal.

B. REBAR DOWELING INTO CONCRETE
1. Adhesive Anchors
   a. Adhesive anchors for cracked and uncracked concrete use:
      i. Hilti HIT-HY 200 Safe Set System with the Hilti hollow drill bit and VC 150/300 with continuously deformed rebar per ICC ESR-3187 or approved equal
      ii. Hilti HIT-RE 500 V3 Safe Set System with Hilti hollow drill bit and VC 150/300 with continuously deformed rebar per ICC ESR-3814 or approved equal
      iii. Hilti HIT-RE 500 V3 Safe Set System with Hilti HIT-RT roughening tool with continuously deformed rebar per ICC ESR-3814 in diamond cored holes or approved equal
   b. Basis of design includes the following design parameters:
      i. Cracked concrete
      ii. Water-saturated concrete
      iii. Base material temperature of 23 to 104 degrees Fahrenheit
      iv. Allowable with hammer-drill, hollow drill bit system, and core drilling methods
      v. Current ICC-ES report with approval for development of bar using ACI provisions for embedment depths greater than 20 bar diameters

C. GENERAL REQUIREMENTS
1. Anchor capacity used in design shall be based on the technical data published by Hilti or such other method as approved by the structural engineer of record. Substitution requests for alternate products must be approved in writing by the structural engineer of record prior to use. Contractor shall provide calculations that have been sealed by another licensed engineer demonstrating that the substituted product is capable of meeting the performance of the specified product. Substitutions will be evaluated by their having an ICC ESR showing compliance with the relevant building code for seismic uses, load resistance, installation category, and availability of comprehensive installation instructions. Adhesive anchor evaluation will also consider creep, in-service temperature, installation temperature, moisture condition of concrete, and drilling methods.
2. Install anchors per the Manufacturer Printed Installation Instructions (MPII), as included in the anchor packaging.
3. Adhesive anchors in upwardly-inclined orientation and/or embedment depths greater than 10 inches must be installed using the Hilti Profi Piston Plug System.
4. The contractor shall arrange an anchor manufacturer's representative to provide onsite installation training for all of the anchoring products specified. The structural engineer of record must receive documented confirmation that all personnel who install anchors are trained prior to the commencement of anchor installation.
5. Anchor capacity is dependent upon spacing between adjacent anchors and proximity of anchors to edge of concrete. Install anchors in accordance with spacing and edge clearances indicated on the drawings.
6. Existing reinforcing bars in the concrete structure may conflict with specific anchor locations. Unless noted on the drawings that the bars can be cut, the contractor shall review the existing structural drawings and shall undertake to locate the position of the reinforcing bars at the locations of the concrete anchors by ferroscan, GPR, x-ray, or other means.
7. All hole conditions are assumed to be dry or water-saturated, unless noted otherwise. The contractor shall be responsible for removing water in order to avoid water-filled hole or submerged hole conditions before installing anchors.

IX. CONCRETE FORMWORK

A. RESPONSIBILITY
1. The design, construction, and safety of all formwork shall be the responsibility of the General Contractor. All forms, shores, backshores, falsework, bracing, and other temporary supports shall be engineered to support all loads imposed including the wet weight of concrete, construction equipment, live loads, lateral loads due to wind and wet concrete imbalance. The Contractor shall also be responsible for determining when temporary supports, shores, backshores, and other bracing may be safely removed.

B. SUBMITTALS
1. The General Contractor shall submit for Owner's record only, formwork shop drawings. Formwork shop drawings shall include all items described in Paragraph A, including calculations. Formwork shop drawings shall be sealed by a registered Engineer in the state that the project is located.

X. NON-SHRINK GROUT FOR BASE PLATES AND BEARING PLATES

A. SPECIFICATIONS
1. All specifications shall be as noted below, unless noted otherwise in the drawings.
2. Non-shrink grout shall conform to Corps of Engineers Specification for Non-Shrink Grout, CE-CRD-C621.
3. Twenty-eight day compressive strength shall be 5,000 psi, as determined by grout cube tests.
4. Minimum thickness of grout under all base plates and bearing plates shall be 1 inch.

B. TYPE
1. Grout for base plates and bearing plates shall be a non-metallic, shrinkage resistant, premixed, non-corrosive, non-staining product containing Portland cement, silica sands, shrinkage compensating agents, and fluidity improving compounds.

C. PLACEMENT
1. Grout shall be placed in a fluid, flowable state under base plates that have a form built around them for grout confinement.
2. Grout shall be cured according to manufacturer's recommendations.

XI. STRUCTURAL STEEL

A. MATERIAL
1. All specifications shall be as noted below, unless noted otherwise in the drawings.
2. Structural steel shall comply with the requirements of AISC 360 and AISC 303.
3. All hot rolled steel plates, shapes and bars shall be new steel conforming to ASTM Specification A6.
4. All Wide Flange W-Shapes shall conform to ASTM A992, Grade 50.
5. All Wide Flange M- and S- Shapes shall conform to ASTM A36.
6. All Wide Flange HP- Shapes shall conform to ASTM 572, Grade 50.
7. All Hollow Structural Shapes (HSS) shall conform to ASTM A500, Grade C.
8. All Pipe Sections shall conform to ASTM A53, Grade B.
9. All Channels, Angles and Plates shall conform to ASTM A36.
10. All anchor rods shall conform to ASTM F1554, Grade 36.
11. All nuts shall conform to ASTM A563.
12. All washers shall conform to ASTM F436.
13. All headed stud anchors shall conform to ASTM A108, Type B (Yield Strength = 51 ksi).
14. All deformed bar anchors shall conform to ASTM A1064, Type C (Yield Strength = 70 ksi).

B. CONNECTIONS
1. Typical connection details are indicated on the Drawings.
2. The design of all steel connections shall be performed under the direct supervision of a registered professional engineer in the state where the project is located, employed by the fabricator. Calculations sealed by the fabricator's professional engineer must be submitted, if requested.
3. It is the intention of the plans and specifications that shop connections be welded or bolted and that field connections be bolted, unless detailed otherwise on the Drawings.
4. All typical beam simple connections shall be standard double angle or single angle framed beam connections. Shear tab connections may be used at locations where double angle connections are not possible. Seated beam connections shall not be used unless indicated in the Drawings. Provide full depth shear tab if beam frames on only one side of a girder.
5. The beam connections shall be designed for the reactions listed below. Any connection capacities that do not meet or exceed the reactions listed below shall be clearly indicated on the beam piece marks and submitted for review as part of the shop drawing review process.
   a. Non-Composite beams: Design connections to support a reaction R (unless specified otherwise) equal to one half the total uniform load capacity from the table of Uniform Load Constants in the AISC Manual.
6. Bracing connections shall develop full tensile forces at each end of the bracing member unless bracing forces are specified on the Drawings.
7. All connections designated in the documents as moment connections shall be designed to develop the full flexural capacity of the member that has the lesser flexural capacity of the members at the connection. In cases where multiple beams are moment connected to a single column, each beam-to-column interface must be designed for the full flexural capacity of the member that has the lesser flexural capacity.
8. All continuous deck edge angles and bent plates shall use full penetration butt welds at splices.
9. Steel-to-Aluminum Connections
   a. Provide Neoprene washers to fully separate aluminum and steel materials. Use only stainless steel fasteners with complete separation of steel from aluminum.

C. GALVANIZING
1. All steel exposed to weather or outside the building's waterproofing, such as brick shelf angles, shall be hot-dipped galvanized after fabrication.
2. All steel surfaces to be hot dip galvanized shall be prepared as specified by the Steel Structures Painting Council (SSPC).
3. The zinc coating for steel shapes and plates shall average not less than 2.3 oz. with no individual thickness less than 2.0 oz.
4. Galvanize all nuts, bolts, and washers used in the connection of galvanized steel.
5. Protect all field welded connections with "Z.R.C. Cold Galvanizing Compound" as manufactured by Z.R.C. Product Company or approved equal.

D. STAIRS, HANDRAILS, AND ACCESS LADDERS
1. Stairs, handrails, guardrails and access ladders (including attachment to structure) shall be designed by the fabricator for the loads indicated in IBC Chapter 16, OSHA, and other requirements noted in the architectural drawings. For access ladders not supported by concrete walls, all landings and steel columns shall be included in the fabricator's scope of work. Shop drawings shall be sealed by a Professional Engineer, representing the fabricator, in the state where the project is located.

E. ALUMINUM CANOPIES
1. Steel elements supporting aluminum canopies (designed by others) have been designed based on preliminary assumptions of canopy reactions. The canopy structure, and connection of canopy to the steel, shall be designed by the canopy supplier's engineer. GC to provide structural engineer with final canopy reactions prior to fabricating steel, to confirm final structural design is sufficient for canopy support.

XII. STRUCTURAL BOLTS AND THREADED FASTENERS

A. SPECIFICATION
1. All bolts shall conform to ASTM F3125, Grade A325, Type 1, unless noted otherwise in the drawings.
2. All nuts shall conform to ASTM A563.
3. All washers shall conform to ASTM F436.

B. DESIGN
1. Minimum bolt diameter shall be 3/4 inch.
2. Connection Type: Unless noted otherwise on the Drawings or in these General Notes, all bolted connections shall be bearing type connections using standard holes (hole diameter nominally 1/16 inch in excess of nominal bolt diameter with) threads included in the shear planes.

C. INSTALLATION
1. Fastener Tension: High strength bearing bolts shall be tightened using an impact wrench to a snug tight condition. The snug tight condition is defined as the tightness attained by a few impacts of an impact wrench or the full effort of a man using an ordinary spud wrench.
2. All bolts shall be new and shall not be re-used.

XIII. WELDING OF STRUCTURAL STEEL

A. WELDER CERTIFICATION
1. All shop and field welders shall be certified according to AWS procedures for the welding process and welding position used.

B. MINIMUM SIZE AND STRENGTH
1. Fillet Welds: Minimum size of fillet welds shall be as specified in the AISC Manual.
2. Partial Penetration Groove Welds: The minimum effective throat thickness of partial penetration groove welds shall be as specified in the AISC Manual.
3. Minimum Strength of Welded Connections: Unless noted otherwise on the drawings, all shop and field welds shall develop the full tensile strength of the member or elements jointed.
   a. All connections designated in the documents as moment connections shall be designed to develop the full flexural capacity of the member that has the lesser flexural capacity of the members at the connection, unless noted otherwise in the Drawings. In cases where multiple beams are moment connected to a single column, each beam-to-column interface must be designed for the full flexural capacity of the member that has the lesser flexural capacity, unless noted otherwise in the Drawings.
4. Connection of all miscellaneous steel shall consist of 1/4" fillet welds all-around (minimum) if no other connection information is provided on the structural drawings.
5. At slotted connections, and anywhere a gap may exist between base metal and connecting material, weld size shall be increased to account for gap width (per AWS recommendations).

C. FILLER METAL REQUIREMENTS
1. Strength: Weld shall be as specified in the AISC Manual.
2. Electrodes. Electrodes for various welding processes shall be as specified below:
   a. SMAW: E70XX low hydrogen
   b. SAW: F7X-EXXX

D. WELDING
1. All welding shall comply with the requirements of AWS.
2. All full penetration welds shall be tested to verify compliance, unless noted otherwise.
3. All fillet welds shall be visually inspected, unless noted otherwise.

XIV. OPEN WEB STEEL JOISTS

A. SPECIFICATIONS
1. Open web steel joists shall be designed, manufactured and erected per the Steel Joist Institute (SJI) Specifications.
2. Joists shall be cambered for dead load. Provide standard SJI camber unless specified otherwise on the Drawings.
3. Provide top chord extensions where shown on the Drawings.
4. Provide flat bearing for all joists. Provide minimum end bearing of 2 1/2 inches for K-series joists and 4 inches for LH and DLH joists. If sufficient bearing does not exist, stagger the end of each joist and center bearing over center of support.
5. Provide horizontal and diagonal bridging as required by SJI Standards and Specifications.
6. Provide standard SJI bearing depth for all joists. When K-series joists bear on the same beam as LH- or DLH-series joists, seat depth shall match.
7. Top chord of joists shall be double angles or tees.
8. Provide minimum end anchorage to steel and masonry, as required by SJI Standards and Specifications.
9. Joists shall be shop painted per Architectural specifications.

B. DESIGN
1. The design of all open web joists shall conform to the codes and specifications cited above.
2. All joists shall carry the design loads as specified in the SJI load tables as the minimum requirement. Additionally, the joists shall be designed to carry any other load types and patterns as indicated on the structural drawings. Examine the structural drawings for any other loads required to be carried by any joist.
3. Roof joists shall be designed for a net service level uplift pressure = 30 PSF, unless noted otherwise in the wind pressure diagrams.
4. Increase size as required to conform with Factory Mutual and U.L. requirements.
5. Design shall include loads for HVAC units suspended from or supported on the roof. See Architectural and Mechanical Drawings for locations of units.
6. Joist extensions shall match joist capacity, unless noted otherwise in the drawings.
7. For roof joists with slopes greater than 1/4-inch per foot, the joist seat shall be designed for a 3,000 lb longitudinal point load parallel to the joist applied at the joist bearing elevation (unless noted otherwise in roof framing details).

C. SUBMITTAL
1. Joist manufacturer shall submit the following for Engineer's review and approval:
   a. Produce certification letter that joists and joist girders comply with all documents noted in these general notes.
   b. Shop drawings showing joists layout, bridging and other accessories.
   c. Design calculations for all joists showing load carrying capacity. Calculations shall be signed and sealed by a registered Engineer. Calculations are for Owner's record only.

D. OSHA REQUIREMENTS
1. Comply with all OSHA requirements. Provide additional steel, bridging, etc. as required. Provide vertical plates shop welded to structural steel columns and/or beams and bottom chord extensions at joists at columns, as required by OSHA.

ENERGY ARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

PINNACLE STRUCTURAL ENGINEERS
3120 Southwest Freeway, Suite 410
Houston, TX 77098
713.807.8911 voice
23038

DRAWINGS INCOMPLETE
This document for Review Only.
Not intended for permitting, bidding or construction purposes.
PINNACLE STRUCTURAL ENGINEERS
LOUISIANA FIRM LICENSE #4141
Heath H. Michel
39291
06.21.2024

CAMERON PARISH PILOT'S LODGE
DAVIS RD
CAMERON, LA 70631

REV	DATE	DESCRIPTION
	06.21.2024	PROGRESS SET

EA PROJECT NUMBER : 20039
ARCHITECT :
LICENSE # :

GENERAL NOTES

S101

XV. STEEL ROOF DECK (WITH RIGID INSULATION BOARD)

A. SPECIFICATIONS
1. All specifications shall be as noted below, unless noted otherwise in the drawings.
2. The design, fabrication, and erection of all roof deck shall conform to the Steel Deck Institute (SDI) Standards.
3. Galvanized steel deck shall conform to ASTM A653 Structural Quality, with a minimum yield strength of 80 ksi. Steel deck shall be galvanized with a protective zinc coating conforming to ASTM A653 G90 class.
4. Steel deck accessories shall conform to ASTM A653 Structural Quality.

B. ROOF DECK SCHEDULE
1. Roof deck shall be 1.5B (20 gauge, unless noted otherwise on plan), as manufactured by Vulcraft, or roof deck with equivalent section properties.

C. ATTACHMENT
1. Roof deck shall be attached to structural supports as follows unless noted otherwise on plan:

Attachment Type	5/8" puddle welds
Attachment Pattern	36/7
Sidelap fastener	#10 TEK screws
Sidelap spacing	12" o.c.
Perimeter spacing	6" o.c.

2. Deck supported on cold-formed light gage framing (C-Joists or trusses) shall be attached to each support member using #12 TEK sheet screws at all ribs where sides lap and each rib in between.
3. Provide a minimum end bearing of 2 inches over supports.
4. End laps of sheets shall be a minimum of two inches and shall occur over supports.
5. Provide roof deck construction which is listed and conforms to the UL Fire Resistance Directory and Building Materials Directory. Deck attachment shall be increased above the minimum specified herein as required to achieve a Class 90 uplift rating.

D. DECK SPANS
1. Deck spans shall not exceed the maximum center to center spans as required by SDI criteria. Where possible, all steel deck shall extend over three or more supports. Two span deck shall be used only where deck layout does not permit the use of three spans. Single span deck is not permitted.

E. ACCESSORIES
1. Use the following accessories as required to provide a finished surface for the application of insulation and roofing:
   a. Ridge, hip and valley plates (1/4 inch)
   b. Cant strips (20 gauge)
   c. Sump pans (14 gauge)
   d. Inside or outside closure channels (20 gauge)
   e. Butt strips at change of deck directions (20 gauge)
   f. Filler sheets (20 gauge)
   g. Rubber closures

F. ROOF OPENINGS
1. Roof openings less than 6 inch square or diameter require no reinforcement. Openings 6 inch to 10 inch shall be reinforced with a 20 gauge galvanized plate welded to the deck at each corner and 6 inch maximum centers with a 5/8 inch diameter puddle weld or sheet steel screws.
2. Unless indicated otherwise on the drawings, openings over 10 inch wide or diameter shall be reinforced with an angle L 2 1/2 x 2 1/2 x 1/4 framing each side of the opening and spanning between supports for spans 4 feet or less and L 3 x 3 x 1/4 for spans greater than 4 feet but less than 6 feet unless specified otherwise on drawings.
3. Larger openings shall be referred to the Engineer for framing.

G. SUBMITTALS
1. The steel roof deck manufacturer shall submit the following:
   a. Product specifications and installation instructions for each type of deck.
   b. A certificate of product compliance with SDI Standards and these General Notes.
   c. Shop drawings showing complete deck layout, attachment details, accessories, and all other details for Engineer review and approval prior to the start of erection.

XVI. HEADED STUD ANCHORS

A. PROPERTIES
1. All headed stud anchors shall conform to ASTM A108, Type B (Yield Strength = 51 ksi).
2. Stud diameter and length for embed plates shall be as noted on the drawings.

B. INSTALLATION
1. Headed stud anchors for embed plates shall be welded in the shop using automatically timed stud welding equipment.

XVII. SUBMITTALS

A. SHOP DRAWINGS
1. The General Contractor shall submit for Engineer review shop drawings for the following items:
   a. Concrete Mix Designs
   b. Reinforcing Steel
   c. Structural Steel (*)
   d. Miscellaneous Steel
   e. Steel Deck
   f. Bar Joists (*)
   g. Guard Rails and Hand Rails (*)
   h. Steel Stair (*)
   i. Light-gage steel (*,#)
   j. Aluminum Canopies (*,#)
   k. Formwork (*,#)

   Items marked (*) shall have shop drawings sealed by a registered engineer in the state where the project is located. Items marked (#) shall be submitted to Engineer for Owner's record only and will not have Engineer's shop drawing stamp.

2. All shop drawings must be reviewed and sealed by the General Contractor prior to submittal.
3. The omission from the shop drawings of any material required by the Contract Documents to be furnished shall not relieve the contractor of the responsibility of furnishing and installing such materials, regardless of whether the shop drawings have been reviewed and approved.

B. MANUFACTURER'S LITERATURE
1. Submit manufacturer's literature for all materials and products used in construction on the project.

C. REPRODUCTION
1. The use of reproductions of these Contract Documents by any contractor, subcontractor, erector, fabricator, or material supplier in lieu of preparation of shop drawings signifies his acceptance of all information shown herein as correct, and obligates himself to any job expense, real or implied, arising due to any errors that may occur hereon.

XVIII. MISCELLANEOUS

A. CONTRACT DOCUMENTS
1. It is the responsibility of the General Contractor to obtain all Contract Documents and latest addenda and to submit such documents to all subcontractors and material suppliers prior to the submittal of shop drawings, fabrication of any structural members, and erection in the field.

B. DRAWING CONFLICTS
1. The General Contractor shall compare the Architectural and Structural drawings and report any discrepancy between each set of drawings and within each set of drawings to the Architect and Engineer prior to the fabrication and installation of any structural members.

C. EXISTING CONDITIONS
1. The General Contractor shall verify all dimensions and existing conditions at the job site and report any discrepancies from assumed conditions shown on the drawings to the Architect and Engineer prior to the fabrication and erection of any members.

D. RESPONSIBILITY OF THE CONTRACTOR FOR STABILITY OF THE STRUCTURE DURING CONSTRUCTION
1. All structural elements of the project have been designed by the Structural Engineer to resist the required code vertical and lateral forces that could occur in the final completed structure only. It is the responsibility of the Contractor to provide all required bracing during construction to maintain the stability and safety of all structural elements during the construction process until the structure is tied together and completed.

E. HORIZONTAL CONSTRUCTION JOINTS IN CONCRETE POURS
1. There shall be no horizontal construction joints in any concrete pours unless shown on the drawings. All deviations or additional joints shall be approved in writing by the Architect/Engineer.

F. OPENING PROTECTION
1. All glazing exposed to external wind pressure located in the lower 60' of the structure shall be impact resistant glazing or shall be protected using an impact resistant covering.

XIX. SITE OBSERVATION BY THE STRUCTURAL ENGINEER

A. GENERAL
1. The contract structural drawings and specifications represent the finished structure, and except where specifically shown, do not indicate the method or means of construction. The Contractor shall supervise and direct the work and shall be solely responsible for all construction means, methods, and procedures, techniques, and sequence.
2. The Engineer shall not have control or charge of, and shall not be responsible for, construction means, methods, techniques, sequences, or procedures, for safety precautions and programs in connection with the work, for the acts or omission of the Contractor, Subcontractor, or any other persons performing any of the work, or for the failure of any of them to carry out the work in accordance with the contract documents.
3. Periodic site observation by field representatives are solely for the purpose of determining if the work of the Contractor is proceeding in accordance with the structural contract documents. This limited site observation should not be construed as exhaustive or continuous to check the quality or quantity of the work, but rather periodic in an effort to guard the Owner against defects or deficiencies in the work of the Contractor.

XX. LIGHT GAGE STEEL

A. SPECIFICATIONS
1. All specifications shall be as noted below, unless noted otherwise in the drawings.
2. All structural members and connections shall be designed and erected per the American Iron and Steel Institute (AISI) Specifications noted above.
3. All studs and/or joists and accessories shall be of the type, size, gauge and spacing shown on the Drawings. All joists and studs shall have 1 5/8" flange with 1/2" return unless specified otherwise.
4. All studs, runners, joists, trusses shall be formed from corrosion resistant steel conforming to ASTM A1003 with a minimum yield strength of 33 ksi for studs and joist members and 33 ksi for runner and track members and flat strap bracings.
5. Prior to fabrication, the contractor shall submit erection drawings to structural engineer for review and approval.
6. All framing components shall be cut squarely for attachment to perpendicular members, or as required for an angular fit against abutting members.

B. DESIGN
1. Fastening of components shall be with self-drilling screws or welding of sufficient size to ensure the strength of the connection.
2. Studs shall have full bearing against inside track web, prior to stud and track attachment.
3. Slip track connections for studs that frame up to the bottom of structural members or floors shall allow for up to 1" of vertical deflection shall be provided, unless noted otherwise in the drawings.
4. Splices in axially loaded studs shall not be permitted.
5. For non-load bearing studs, connections shall consider the deflection of structural members to which the studs are attached.
6. Light gage steel contractor shall design all instances where light gage bracing is required, including strip window locations.
7. The design of all light gage steel shall be performed by the light gage steel contractor. The design shall include member sizes and connections. The design shall consider member dimensions noted in the drawings. The light gage contractor shall supply drawings sealed by an engineer registered in the State where the project is located showing light gage framing members and connection.

C. ERECTION
1. Erect framing and panels plumb, level and square in strict accordance to approved shop drawings.
2. Track shall be securely anchored to the supporting structure. Proposed connection to be submitted for approval unless specified otherwise on drawings. Abutting pieces of track shall be securely spliced together.
3. Jack studs or cripples shall be installed below window sills, above window and door heads, and elsewhere to furnish support, and shall be securely attached to connecting members.
4. Provide horizontal bridging in all stud systems at 3'-4" on centers vertically. Weld at each stud intersection.
5. Provide diagonal steel straps of size and location shown on the drawings. Extend straps from the bottom track to the top track inclined 45 degrees unless shown otherwise and connected to each stud.
6. Provide stud bracing during construction as required for studs to carry construction loads.
7. Provide strap bridging at all horizontal light-gage systems (e.g. joists, rafters) at a minimum of 48" on center, unless noted otherwise. Attach straps to each member and cross straps at every third member for stability.

XXI. SPECIAL INSPECTION

A. GENERAL
1. Special inspection is required per Chapter 17 of the International Building Code (IBC).
2. The special inspector shall be a qualified person who shall demonstrate competence to the building official for inspection of the particular type of construction requiring special inspection.
3. Prior to the start of construction, a pre-construction meeting with the architect, engineer, building official, contractor, and special inspectors shall be called to review the special inspection requirements.

B. DUTIES OF THE SPECIAL INSPECTOR
1. Abide by the special inspection and testing agreement provided by the local jurisdiction.
2. Observe the work for conformance with the approved construction documents. All discrepancies shall be brought to the attention of the contractor for correction. Then, if left uncorrected by the contractor, discrepancies shall be brought to the structural engineer, architect, and building department (if required).
3. Furnish inspection reports for each inspection to the building official, architect, engineer, contractor and other designated parties, in a timely manner, as established at the pre-construction meeting.
4. Submit a final report documenting required special inspections and correction of any discrepancies noted in the inspections. The final report shall be signed and sealed by a Professional Engineer responsible for the special inspections.

C. DUTIES OF THE CONTRACTOR
1. Notify the special inspector that the work is ready for inspection at least 24 hours before inspection.
2. The construction or work for which special inspection is required shall remain accessible and exposed for special inspection purposes until completion of the required special inspections.
3. Provide the special inspector with access to approved construction documents at the jobsite.
4. Keep records of all special inspection reports at the jobsite.

D. DEFINITIONS
1. Continuous special inspection – Special inspection by the special inspector who is continuously present when and where the work to be inspected is being performed.
2. Periodic special inspection – Special inspection by the special inspector who is intermittently present where the work to be inspected has been or is being performed.

E. WORK THAT REQUIRES SPECIAL INSPECTION

ITEM	REMARKS
Grading, Excavations, Fill	Refer to Geotechnical Report
Bearing Stratum Verification	Refer to Geotechnical Report
Driven Piles	Continuous
Concrete - Verify Proper Mix Design	Periodic
Concrete - Concrete Placement	Continuous
Concrete - Rebar Placement	Inspect Final Placement
Concrete - Rebar Welding	Periodic
Concrete - Anchor Bolts and Plates	Inspect Final Placement
Concrete - Expansion Anchors	Periodic
Concrete - Epoxy	Periodic
Concrete - Formwork	Periodic
Structural Steel - Fillet Welds (Visual Inspection of All Welded Joints)	Periodic
Structural Steel - Partial or Full Penetration Welds (Non Destructive Testing of All Welded Joints)	Periodic
Structural Steel - Bearing Bolts	Periodic
Structural Steel - Composite Shear Studs	Periodic
Structural Steel - Size and Location of Structural Elements	Periodic

XXII. CONCRETE MASONRY

A. SPECIFICATION
1. All specifications shall be as noted below, unless noted otherwise in the drawings.
2. All masonry materials and construction shall conform to the recommendations of the Brick Institute of America (BIA) and National Concrete Masonry Association (NCMA) and masonry codes noted in these general notes.
3. All concrete masonry units (CMU) shall conform to ASTM C90, Type 1, Grade N.
   a. CMU shall be medium weight or light weight (less than 125 PCF, oven dry weight).
   b. Masonry units shall have a minimum compressive strength of 2,000 psi on the net area at 28 days.
   c. The minimum net area compressive strength of masonry (f'm) shall be 2,000 psi as determined by the unit strength method or by the prism test method.
   d. All masonry units shall be placed in running bond.
4. All mortars and materials therein shall conform to ASTM C270, Type S except for masonry in contact with earth which shall be Type M.
   a. Mortar shall have minimum average compressive strength of 1,800 psi for Type S, or 2,500 psi for Type M.
5. Grout shall conform to ASTM C476.
   a. Grout shall attain a minimum 28 days compressive strength of 2,000 psi.
   b. All grout shall be fine grout containing sand, Portland cement, and lime (optional) for grout spaces less than 2 inches in any horizontal direction, unless specified otherwise.
6. Control Joints shall be located per Architectural drawings and specifications and at a maximum spacing of 40 feet on centers unless noted otherwise in the architectural drawings. Control joints shall not be located over or through lintels.

B. REINFORCEMENT
1. Provide horizontal reinforcing (truss or ladder type, 9 gauge) at 16 inches on center for all CMU walls. Reinforcement shall conform to ASTM A1064 and shall be hot dip galvanized.
2. All horizontal reinforcing steel in bond beams and lintel block units shall be continuous. Units shall be solidly grouted. Provide 48 times bar diameter lap for horizontal reinforcing in bond beams. No splices shall be provided for horizontal reinforcing in block lintels.
3. Grout cells solid where vertical bars are shown on the drawings. Vertical bars shall extend from bottom to the top of the wall. Provide 48 times bar diameter splice for vertical bars where required and/or shown on the Drawings.
4. All reinforced masonry walls with openings up to four (4) feet wide, shall have one vertical bar minimum at each side of openings. For openings larger than 4 feet wide, provide two (2) vertical bars at each side of openings. Reinforcing at edges of opening shall match typical vertical wall reinforcing (unless noted otherwise) and shall extend to the top of wall.
5. All reinforced masonry wall corners and intersections shall have one vertical bar (minimum) in grouted cell. Reinforcing shall match typical wall vertical reinforcement.
6. Provide one vertical bar (minimum) in the first cell each side of control joints. Reinforcing shall match typical vertical wall reinforcing (unless noted otherwise) and shall extend to the top of wall.
7. Provide a bond beam at the top of all CMU walls reinforced with (2) - #5 continuous unless noted otherwise.

ASCE 7-16 ROOF DESIGN WIND PRESSURE (PSF) - OVERHANGS

ZONE	EFFECTIVE WIND AREA (FT^2)					
	2	10	20	100	250	500
1 & 2e	16.0	16.0	16.0	16.0	16.0	16.0
	-166.0	-166.0	-166.0	-104.0	-104.0	-104.0
2n - 2r	16.0	16.0	16.0	16.0	16.0	16.0
	-227.0	-227.0	-207.0	-161.0	-135.0	-135.0
3e	16.0	16.0	16.0	16.0	16.0	16.0
	-264.0	-264.0	-230.0	-150.0	-104.0	-104.0
3r	16.0	16.0	16.0	16.0	16.0	16.0
	-301.0	-301.0	-257.0	-153.0	-153.0	-153.0

ZONE WIDTHS
"a"
9'-0"

1 WIND PRESSURE- OVERHANG
1/4" = 1'-0"

ASCE 7-16 ROOF DESIGN WIND PRESSURE (PSF)

ZONE	EFFECTIVE WIND AREA (FT^2)					
	2	4	10	20	50	100
1 & 2e	54.2	44.1	39.7	29.6	29.6	29.6
	-134.3	-134.3	-134.3	-41.9	-41.9	-41.9
2n, 2r and 3e	54.2	44.1	39.7	29.6	29.6	29.6
	-195.9	-195.9	-169.3	-107.7	-72.7	-72.7
3r	54.2	44.1	39.7	29.6	29.6	29.6
	-232.8	-232.8	-199.5	-122.0	-122.0	-122.0

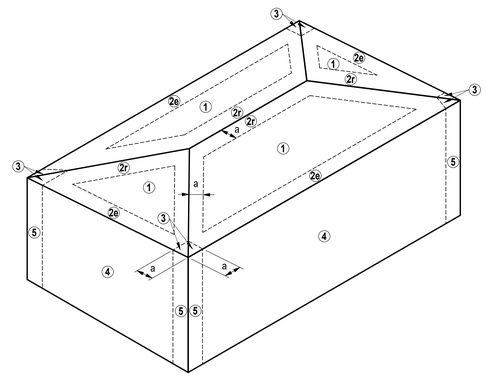
ZONE WIDTHS
"a"
9'-0"

ASCE 7-16 WALL DESIGN WIND PRESSURE (PSF)

ZONE	EFFECTIVE WIND AREA (FT^2)					
	10	20	50	100	200	500
4	72.7	69.6	65.3	61.6	58.5	54.2
	-78.8	-75.8	-71.4	-67.8	-64.7	-60.4
5	72.7	69.6	65.3	61.6	58.5	54.2
	-97.3	-90.5	-81.9	-75.8	-69.0	-60.4

NOTES:
1. ALL BUILDING COMPONENTS, CLADDING, FINISHES AND CONNECTIONS SHALL BE DESIGNED FOR WIND PRESSURES INDICATED FOR THE CORRESPONDING ZONE. CALCULATIONS AND/OR DESIGN DATA MUST BE AVAILABLE FOR REVIEW BY THE STRUCTURAL ENGINEER OF RECORD IF REQUIRED.
2. POSITIVE AND NEGATIVE SIGNS SIGNIFY PRESSURES ACTING TOWARD AND AWAY FROM THE SURFACE, RESPECTIVELY.
3. WIND PRESSURES MAY BE MULTIPLIED BY 0.6 FOR SERVICE LEVEL (ASD) LOADS.
4. LINEAR INTERPOLATION BETWEEN VALUES OF EFFECTIVE WIND AREA IS PERMISSIBLE.
5. ZONE WIDTH INCLUDES OVERHANG.
6. ALL PARAPETS SHALL BE DESIGNED IN ACCORDANCE WITH THE WIND PRESSURES DETERMINED FROM FIGURE 30.6-1 OF ASCE 7-16.
7. FOR JOIST UPLIFT DESIGN, 10 PSF DEAD LOAD SHALL BE USED FOR NET UPLIFT DETERMINATION. NET UPLIFT SHALL BE DETERMINED WITH THE FOLLOWING ASD OR LRFD LOAD COMBINATION: 0.6D+0.6W OR 0.9D+1.0W

2 WIND PRESSURE- ROOF & WALL
1/4" = 1'-0"



HIP ROOF - 30.3-2E & 2F

ENERGY ARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

PINNACLE STRUCTURAL ENGINEERS
3120 Southwest Freeway, Suite 410
Houston, TX 77098
713.807.8911 voice

23038

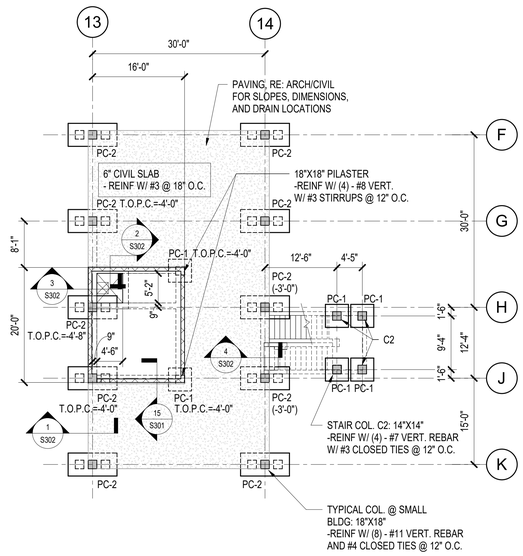
DRAWINGS INCOMPLETE
This document for Review Only.
Not intended for permitting, bidding or construction purposes.
PINNACLE STRUCTURAL ENGINEERS
LOUISIANA FIRM LICENSE #4141
Heath H. Michel
39291
06.21.2024

CAMERON PARISH PILOT'S LODGE
DAVIS RD
CAMERON, LA 70631

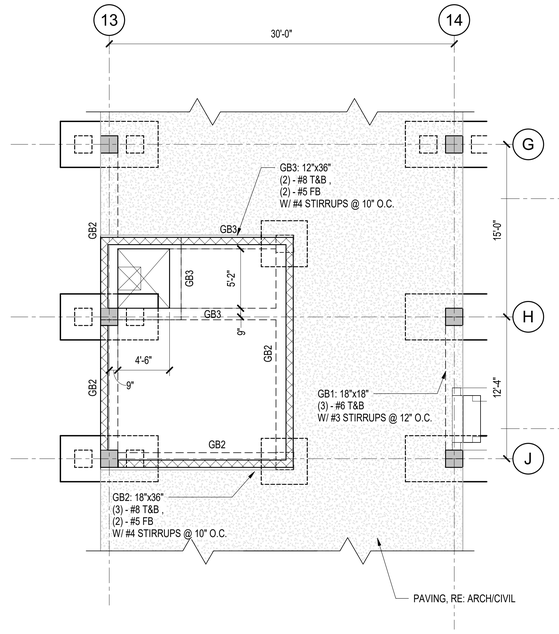
REV	DATE	DESCRIPTION
	06.21.2024	PROGRESS SET

EA PROJECT NUMBER : 20039
ARCHITECT :
LICENSE # :

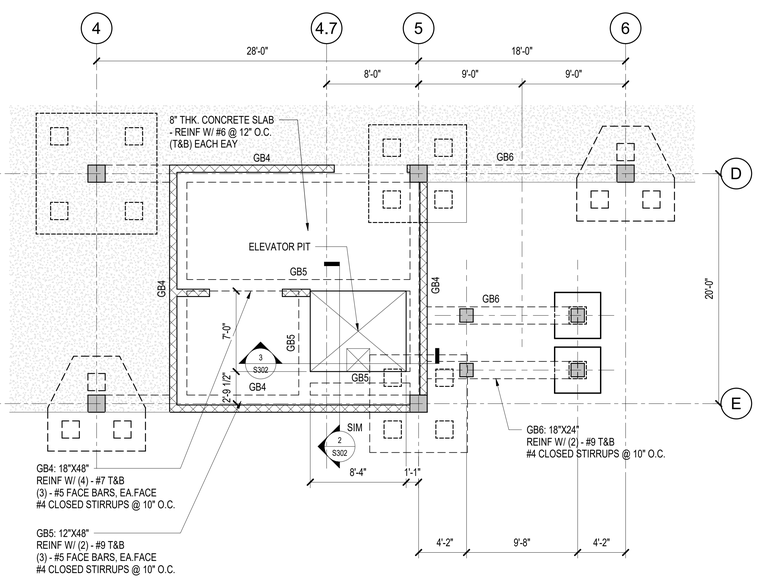
GENERAL NOTES
S102



3 FOUNDATION PLAN (SMALL BLDG)
3/32" = 1'-0"



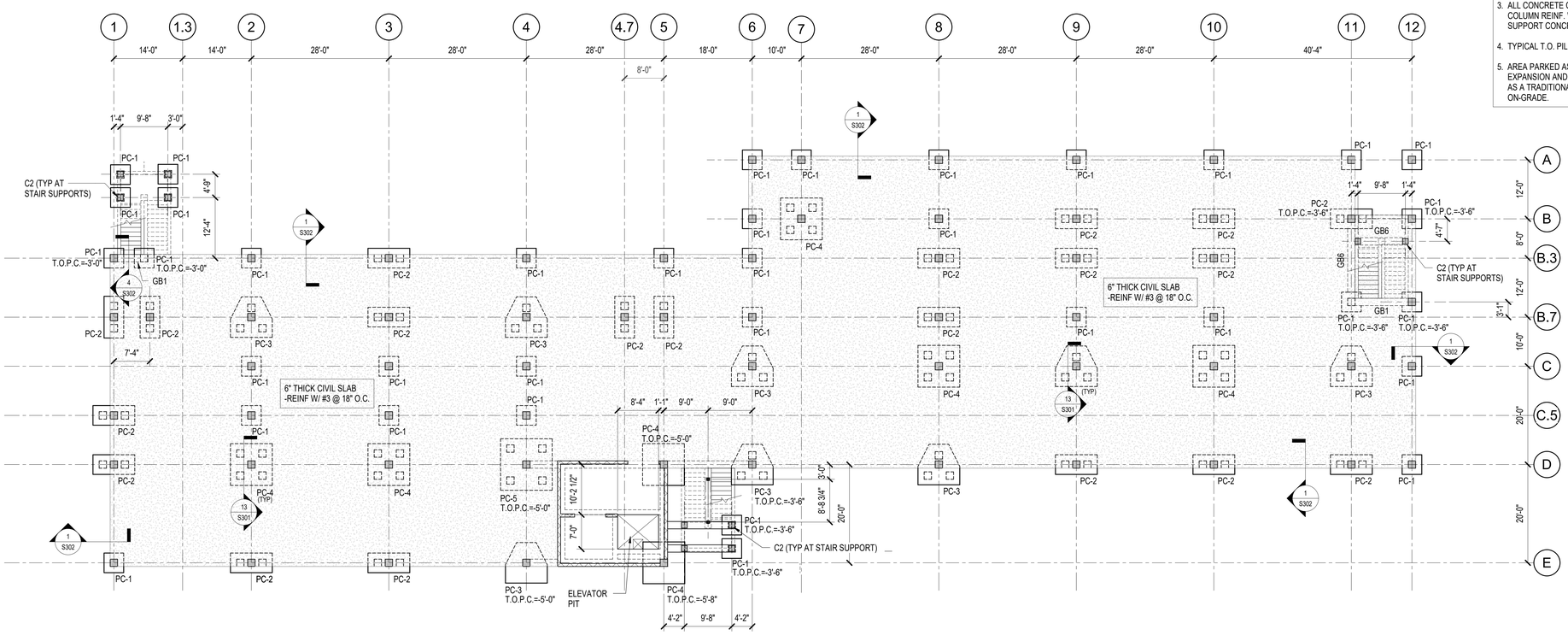
4 FOUNDATION PLAN (SMALL BLDG)
3/16" = 1'-0"



5 FOUNDATION PLAN (LARGE BLDG)
3/16" = 1'-0"

PLAN NOTE:

1. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL FLOOR SLOPES, DEPRESSIONS, ETC.
2. COORDINATE ALL LEDGES AND DEPTHS WITH ARCHITECTURAL.
3. ALL CONCRETE COLUMNS SHOWN ON THIS PLAN SHALL BE 18"X18" CONCRETE COLUMN REINF. W/ (4) - #9 LONG. REBAR AND #3 CLOSED TIES @ 12" O.C. (U.N.O.) TO SUPPORT CONCRETE FLOOR STRUCTURE. (U.N.O.)
4. TYPICAL T.O. PILE CAP ELEVATION -1'-6" (U.N.O.)
5. AREA PARKED AS 'CIVIL SLAB' WILL BE SUBJECT TO SUBGRADE SETTLEMENT AND EXPANSION AND WILL MOVE WITH THE SOIL BEHAVIOR. IT HAS NOT BEEN DESIGNED AS A TRADITIONAL BUILDING SLAB-ON-GRADE AND WILL NOT PERFORM AS A SLAB-ON-GRADE.



1 FOUNDATION PLAN (LARGE BLDG)
3/32" = 1'-0"

ENERGY ARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

PINNACLE STRUCTURAL ENGINEERS
3120 Southwest Freeway, Suite 410
Houston, TX 77098
713.807.8911 voice
23038

DRAWINGS INCOMPLETE
This document for Review Only.
Not intended for permitting, bidding or construction purposes.
PINNACLE STRUCTURAL ENGINEERS
LOUISIANA FIRM LICENSE #4141
Heath H. Michel
39291
06.21.2024

CAMERON PARISH PILOT'S LODGE
DAVIS RD
CAMERON, LA 70631

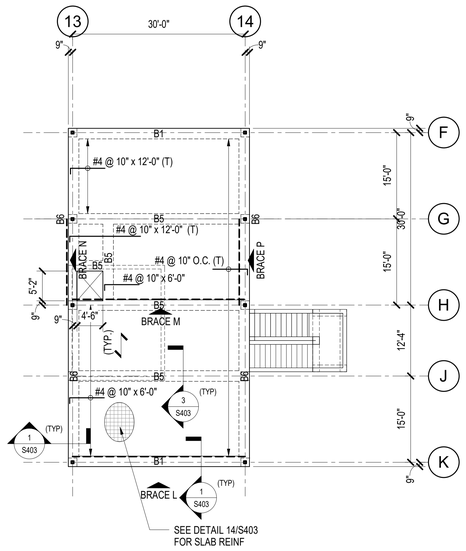
REV	DATE	DESCRIPTION
	06.21.2024	PROGRESS SET

EA PROJECT NUMBER : 20039
ARCHITECT :
LICENSE # :

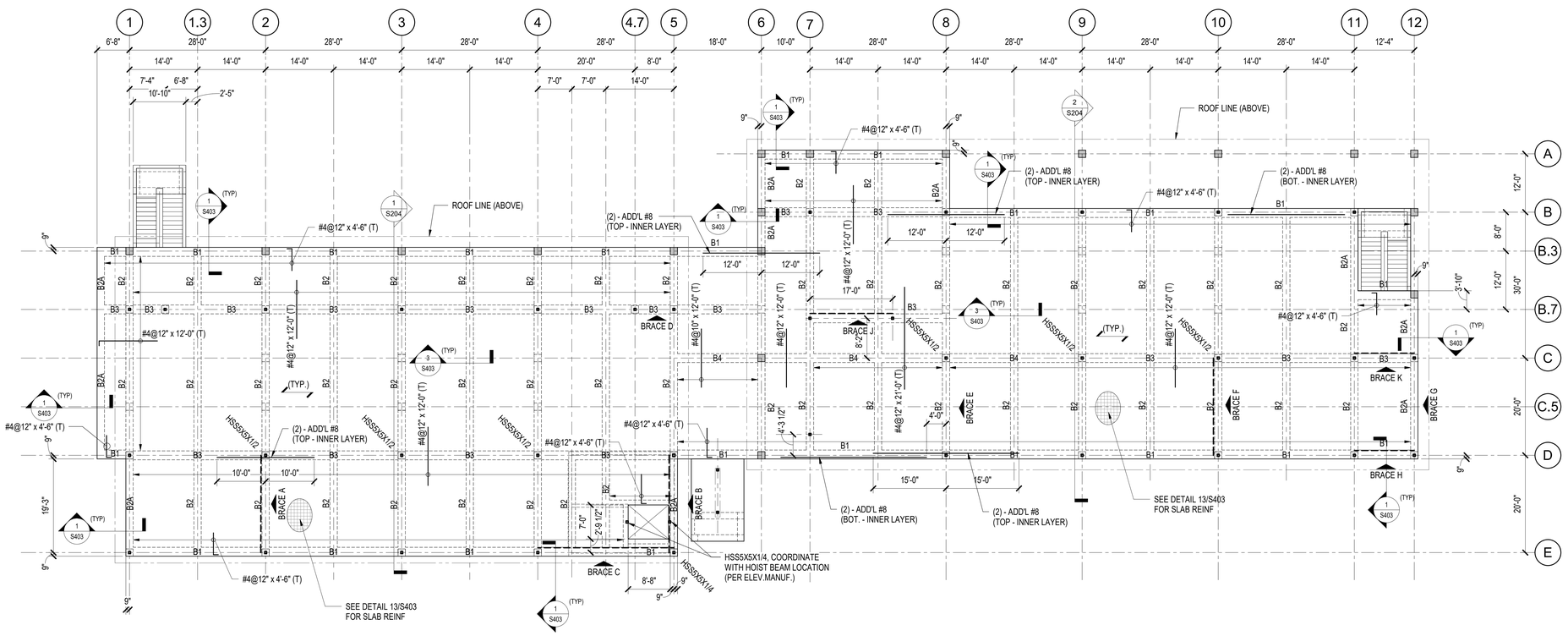
FOUNDATION PLAN
S201

PLAN NOTES:

1. FINISHED FLOOR ELEVATION = 14'-0" ABOVE FINISH FIRST FLOOR.
2. SEE SHEET S201 FOR ALL CONCRETE COLUMN SIZES NOT SHOWN.
3. FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO FABRICATION/CONSTRUCTION.
4. SEE SHEET S501 FOR BRACE ELEVATIONS.
5. ALL STEEL COLUMNS SHOWN ON THIS PLAN SHALL BE HSS5X5X1/4 (U.N.O.) TO SUPPORT STEEL ROOF STRUCTURE.
6. FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO FABRICATION / CONSTRUCTION.
7. TYPICAL FLOOR : 7" THICK FLAT SLAB WITH BEAMS AND GIRDERS, U.N.O.
8. BX INDICATES CONCRETE BEAM NUMBER. SEE BEAM SCHEDULE & TYPICAL DETAILS FOR ADD'L INFO.
9. BARS SHALL BE SPACED EQUALLY WITHIN SEGMENT, U.N.O. BAR SPACING SHALL NOT EXCEED 18".
10. SLAB REINFORCEMENT SHOWN ON PLAN IS IN ADDITION TO THE REINFORCEMENT SPECIFIED ON DETAIL 13 & 14/S403.



3 LEVEL 2 FRAMING PLAN (SMALL BLDG)
3/32" = 1'-0"



2 LEVEL 2 FRAMING PLAN (LARGE BLDG)
3/32" = 1'-0"

ENERGY ARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

PINNACLE
STRUCTURAL ENGINEERS
3120 Southwest Freeway, Suite 410
Houston, TX 77098
713.807.8911 voice
23038

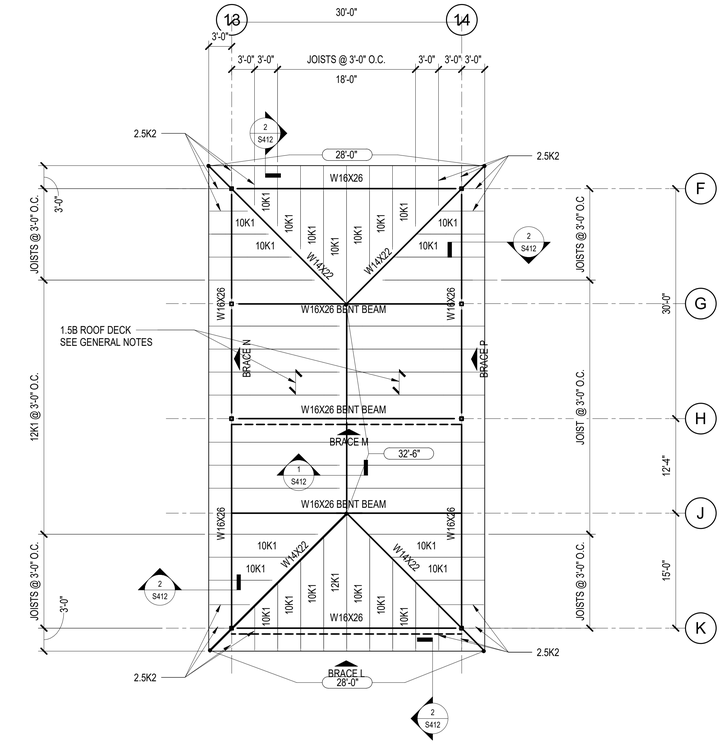
DRAWINGS INCOMPLETE
This document for Review Only.
Not intended for permitting, bidding or construction purposes.
PINNACLE STRUCTURAL ENGINEERS
LOUISIANA FIRM LICENSE #4141
Heath H. Michel
39291
06.21.2024

CAMERON PARISH PILOT'S LODGE
DAVIS RD
CAMERON, LA 70631

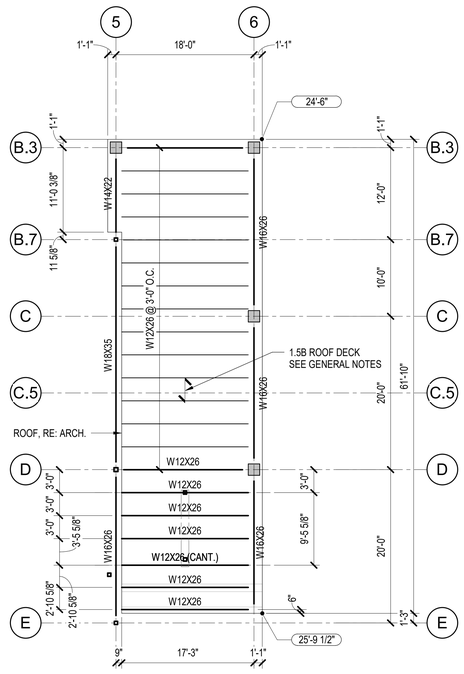
REV	DATE	DESCRIPTION
	06.21.2024	PROGRESS SET

EA PROJECT NUMBER : 20039
ARCHITECT :
LICENSE # :

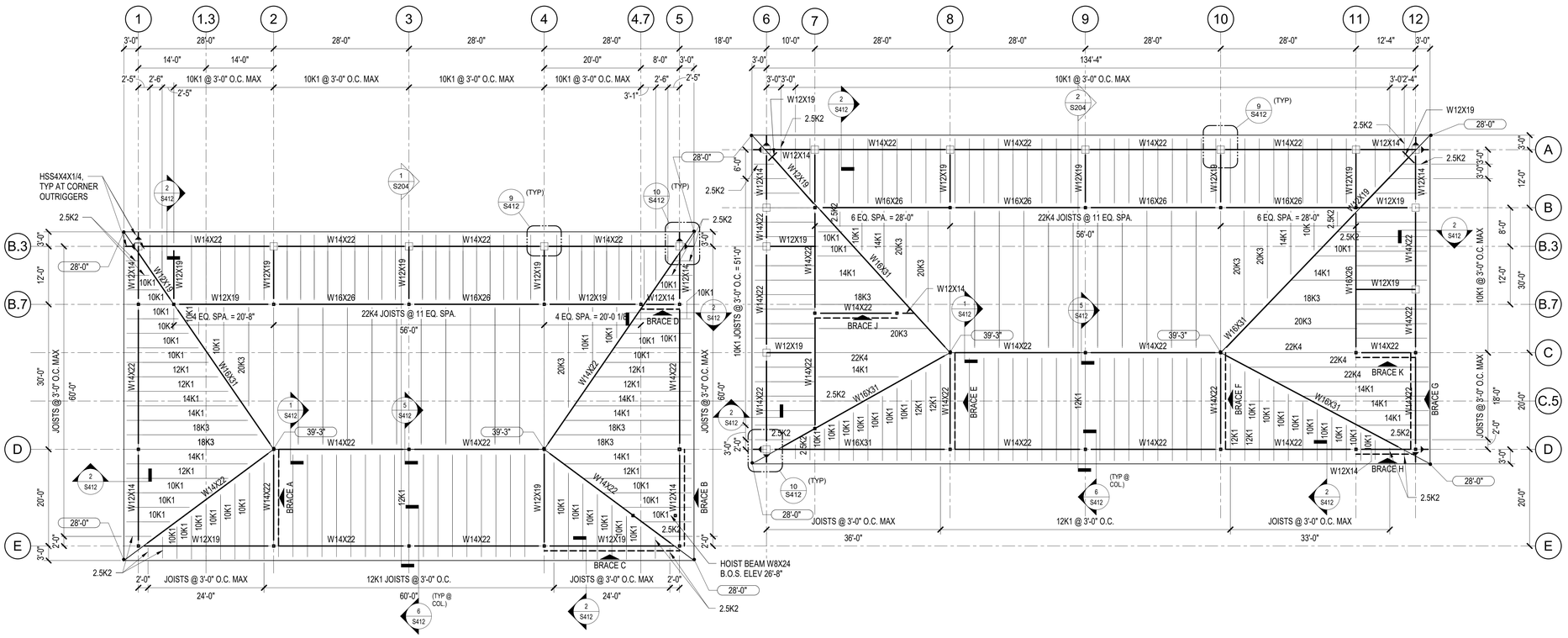
FOUNDATION PLANS
S202



2 ROOF FRAMING PLAN (SMALL BLDG)
1/8" = 1'-0"



3 CANOPY FRAMING PLAN (LARGE BLDG)
1/8" = 1'-0"



1 ROOF FRAMING PLAN (LARGE BLDG)
3/32" = 1'-0"

PLAN NOTES:

1. LOCATIONS SHOWN THUS: (XX'-XX") INDICATES TOP OF STEEL (T.O.S.) ELEVATION (TOP OF STEEL = TOP OF JOIST OR BOTTOM OF DECK).
2. FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO FABRICATION/CONSTRUCTION.
3. JOISTS SHALL BE DESIGNED FOR ADDITIONAL LOADS RESULTING FROM RTU'S & OTHER MECHANICAL EQUIPMENT ON THE ROOF OR SUSPENDED FROM THE ROOF STRUCTURE. SEE ARCHITECTURAL AND MEP DRAWINGS FOR LOCATIONS.
4. SPACE JOISTS EQUALLY (5'-0" O.C. MAX.) U.N.O.
5. REFER TO ARCHITECTURAL DRAWINGS / MEP FOR LOCATIONS OF ROOF DRAINS, OVERFLOW DRAINS AND TAPERED INSULATION.
6. SEE SHEET S201 FOR ALL COLUMN SIZES NOT SHOWN.
7. ▸ = MOMENT CONNECTION
8. LSH = LONG SIDE HORIZONTAL
9. LSV = LONG SIDE VERTICAL

ENERGY ARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

PINNACLE
STRUCTURAL ENGINEERS
3120 Southwest Freeway, Suite 410
Houston, TX 77098
713.807.8911 voice
23038

DRAWINGS INCOMPLETE
This document for Review Only.
Not intended for permitting, bidding or construction purposes.
PINNACLE STRUCTURAL ENGINEERS
LOUISIANA FIRM LICENSE #4141
Heath H. Michel
39291
06.21.2024

CAMERON PARISH PILOT'S LODGE

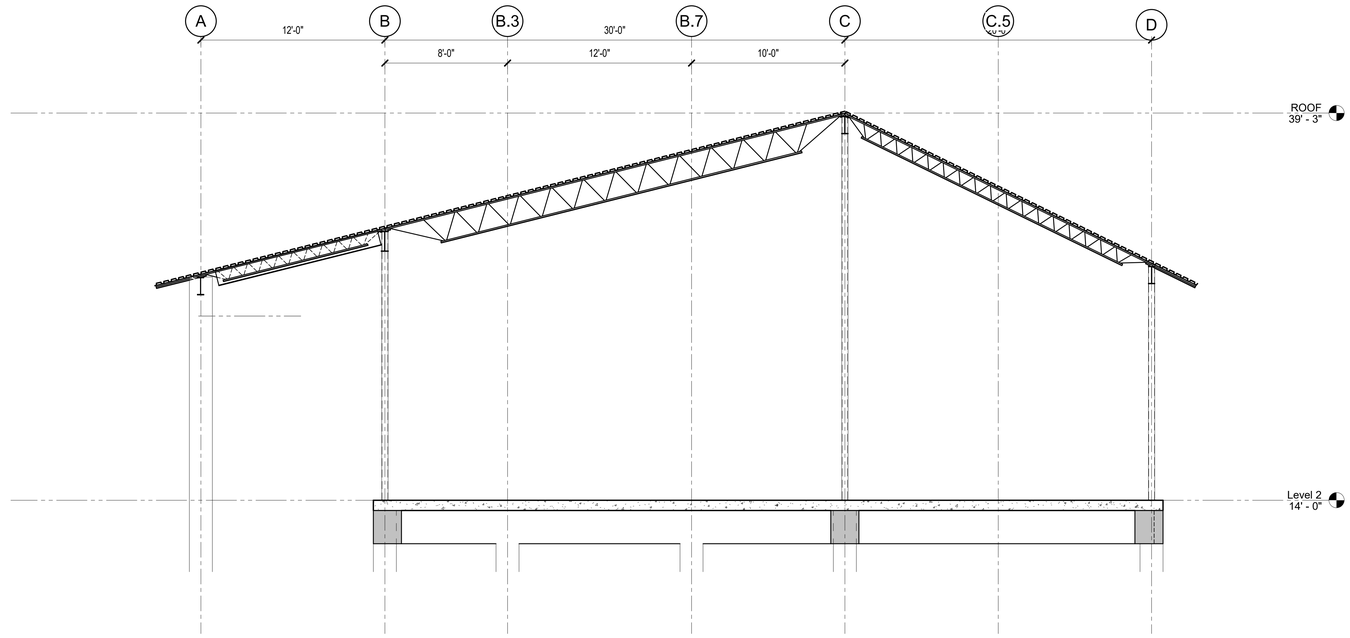
DAVIS RD
CAMERON, LA 70631

REV	DATE	DESCRIPTION
	06.21.2024	PROGRESS SET

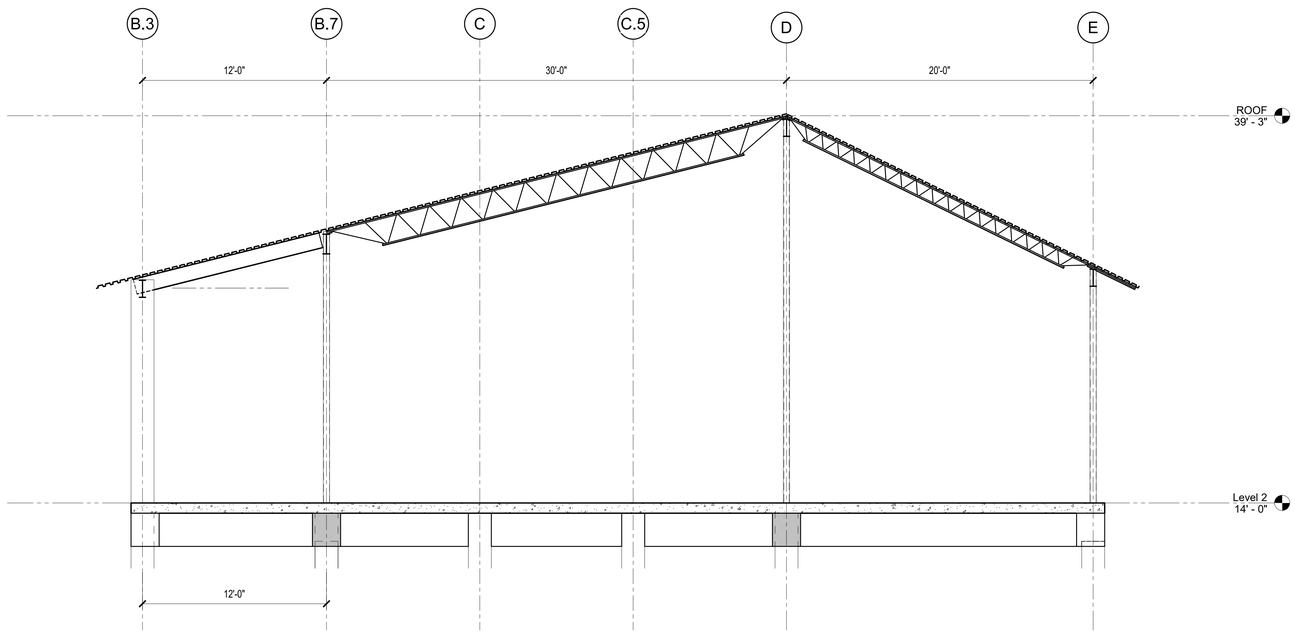
EA PROJECT NUMBER : 20039
ARCHITECT :
LICENSE # :

ROOF FRAMING PLAN

S203



2 S204-02
1/4" = 1'-0"



1 S204-01
1/4" = 1'-0"

ENERGY ARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

PINNACLE
STRUCTURAL ENGINEERS
3120 Southwest Freeway, Suite 410
Houston, TX 77098
713.807.8911 voice
23038

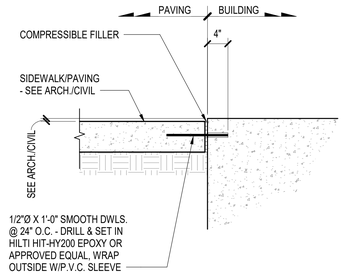
DRAWINGS INCOMPLETE
This document for Review Only.
Not intended for permitting, bidding
or construction purposes.
PINNACLE STRUCTURAL ENGINEERS
LOUISIANA FIRM LICENSE #4141
Heath H. Michel
39291
06.21.2024

CAMERON PARISH PILOT'S LODGE
DAVIS RD
CAMERON, LA 70631

REV	DATE	DESCRIPTION
	06.21.2024	PROGRESS SET

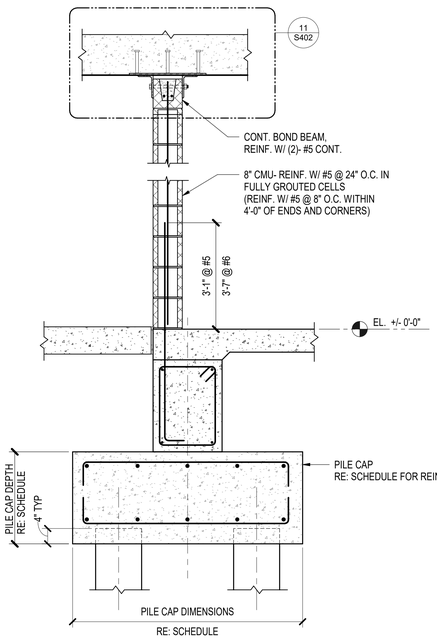
EA PROJECT NUMBER : 20039
ARCHITECT :
LICENSE # :

BUILDING SECTION
S204

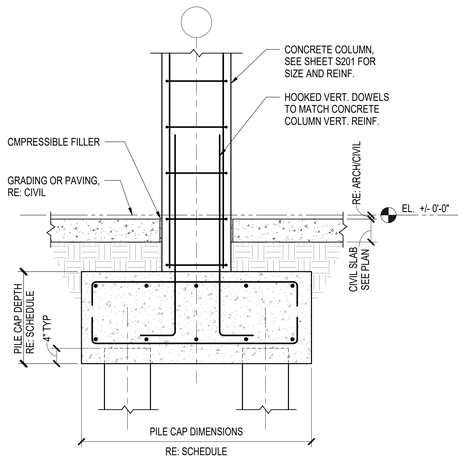


NOTE:
SMOOTH DOWELS REQUIRED ONLY WITHIN 10 FEET OF DOORS

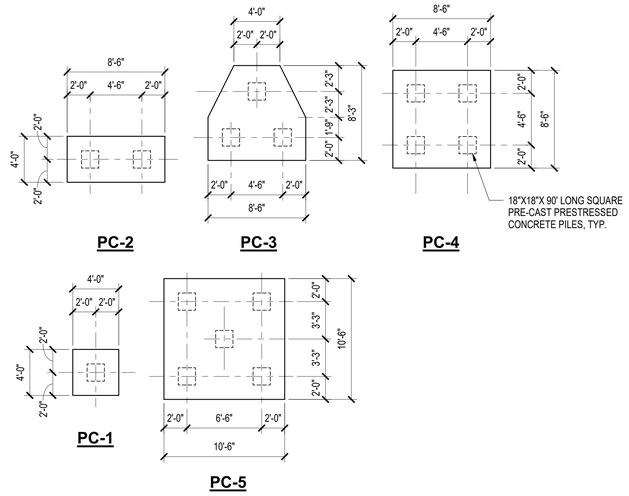
15 TYPICAL DETAIL - DOWELS TO FLATWORK
1" = 1'-0"



14 TYPICAL DETAIL EXTERIOR GRADE BEAM AT CMU SCREEN WALL
3/4" = 1'-0"



13 TYPICAL DETAIL AT PILE CAP
3/4" = 1'-0"

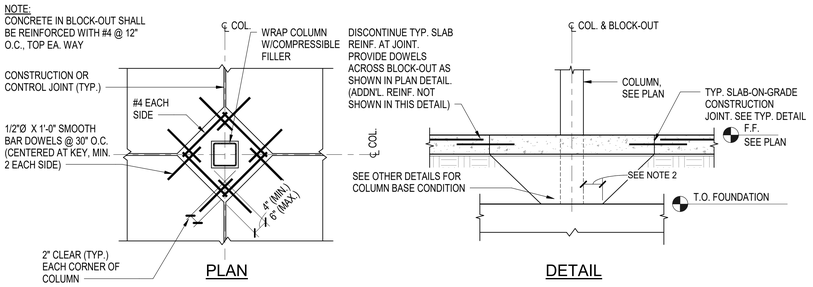


11 PILE CAP DETAILS
3/16" = 1'-0"

PILE CAP SCHEDULE					
MARK #	NO. OF PILES	SIZE OF PILE CAP B X L X D	TOP & BOTTOM REINFORCEMENT		TRANSVERSE REINFORCEMENT
			LONG BARS	SHORT BARS	
PC-1	1	4'-0" X 4'-0" X 3'-0"	(6) - #6	(6) - #6	-
PC-2	2	8'-6" X 4'-0" X 3'-0"	(6) - #7	-	SEE NOTE 4
PC-3	3	8'-6" X 8'-3" X 3'-0"	(12) - #7	(12) - #7	-
PC-4	4	8'-6" X 8'-6" X 3'-6"	(2) - #7	(12) - #7	-
PC-5	5	10'-6" X 10'-6" X 3'-6"	(18) - #7	(18) - #7	-

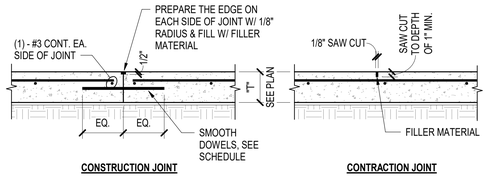
NOTES:
1. PROVIDE 90° HOOK IN PILE CAP LONGITUDINAL REINFORCEMENT HOOK SHALL BE 12d (MIN.) IN LENGTH
2. ALL PILES SHALL EXTEND INTO SOIL 90'-0" (MINIMUM) FROM EXISTING GRADE AT THE TIME OF GEOTECHNICAL BORINGS.
3. DESIGN OF 18" DRIVEN SQUARE PRE-CAST PRESTRESSED CONCRETE PILES (SPCP) SHALL BE BY THE SUPPLIER.
4. PROVIDE #5 @ 6" O.C. [4] LEG CLOSED STIRRUPS IN LEIU OF SHORT BARS AND #5 @ 6" O.C. HORIZONTAL BARS EACH FACE, (FACE BARS HOOKED AT THE ENDS).

3 PILE CAP SCHEDULE
12" = 1'-0"



NOTES:
1. GENERAL CONTRACTOR TO COORDINATE REQUIRED SIZE OF BLOCK-OUT FOR COLUMNS. SUBMIT THE DESIRED BLOCK-OUT SIZE TO ARCHITECT FOR APPROVAL.
2. PROVIDE 3" MINIMUM CONCRETE COVER AROUND COLUMN.
3. AT C.C. OPTION, BLOCK-OUTS MAY BE CIRCULAR. MAINTAIN EDGE DISTANCE MINIMUMS AS SHOWN ABOVE, WITH (8) SMOOTH DOWELS (MIN.)
4. INCREASE BLOCK-OUT SIZE AS REQUIRED AT BRACES.

10 TYPICAL DETAIL BLOCK-OUT AROUND COLUMN (SLAB-ON-GRADE)
3/4" = 1'-0"



CONSTRUCTION JOINT NOTES:
1. SLAB REINFORCEMENT SHALL BE CHAIRED BY SOIL SUPPORTED SLAB BOLSTERS.
2. BREAK BOND BETWEEN NEW & PREVIOUSLY PLACED SLAB BY SPRAYING OR PAINTING EXPOSED SIDE WITH FORM OIL OR OTHER FORM OF BOND BREAKER.
3. SUBGRADE SHALL BE FREE OF STANDING WATER AT THE TIME OF CONCRETE PLACEMENT.

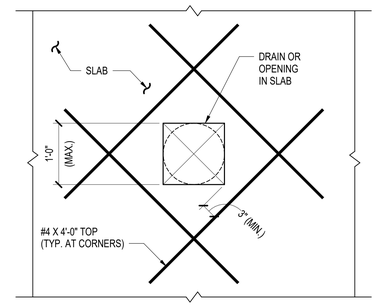
JOINT SPACING NOTE:
1. PROVIDE CONTROL AND/OR CONSTRUCTION JOINTS AT EVERY COLUMN CENTERLINE & AT A MAXIMUM SPACING OF 36 TIMES THE SLAB THICKNESS, NOT TO EXCEED 15'-0" U.N.O.

DOWEL SCHEDULE			
SLAB DEPTH	DOWEL DIAMETER	TOTAL DOWEL LENGTH	DOWEL SPACING CENTER TO CENTER
5" - 6"	3/4"	1'-4"	12"
7" - 8"	1"	1'-6"	12"
9" - 11"	1 1/4"	1'-6"	12"

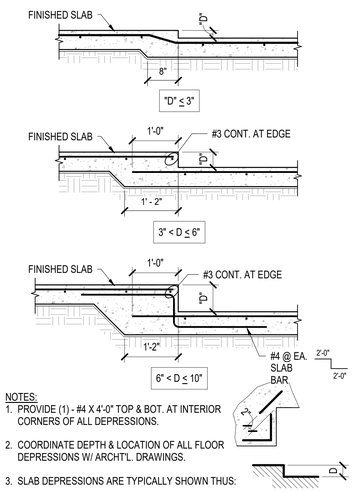
SAW CONTRACTION SPACING JOINT NOTES:
1. MAKE SAW CUT WITH SOFF-CUT AS SOON AS SLAB IS ABLE TO SUPPORT WEIGHT OF WORKERS & SAWING EQUIPMENT WITHOUT DAMAGE TO FINISH SURFACE OF SLAB.
2. ALL JOINTS SHALL BE CONTINUOUS. DO NOT OFFSET OR STAGGER JOINTS.
3. CLEAN JOINT PRIOR TO FILLING JOINT.

JOINT FILLER MATERIAL NOTES:
1. FILLER MATERIAL USED SHALL HAVE A MINIMUM SHORE "A" HARDNESS OF 80, & SHALL CONFORM TO ASTM D2240. JOINT FILLER SHALL BE APPROVED BY ENGINEER PRIOR TO APPLICATION. JOINT FILLER SHALL BE MM-80 BY METZGER/McGUIRE CO. OR EUCO 700 BY EUCLID PRODUCTS OR APPROVED EQUAL.
2. WHERE POSSIBLE, FILLER MATERIAL SHALL BE APPLIED WHEN BUILDING IS UNDER PERMANENT TEMPERATURE CONTROL. THIS SHALL BE EITHER AT THE END OF CONSTRUCTION OF THE COMPLETE BUILDING SHELL, OR A MINIMUM OF 90 DAYS AFTER SLAB CONSTRUCTION.
3. FOLLOW STRICTLY THE MANUFACTURER'S RECOMMENDED PROCEDURES FOR APPLYING THE JOINT FILLER.
4. ALL EXPOSED SLAB JOINTS SHALL BE FILLED WITH FILLER MATERIAL, U.N.O. ON ARCH. DOCUMENTS

9 TYPICAL DETAIL - CONSTRUCTION AND CONTRACTION JOINTS (SLAB-ON-GRADE)
1" = 1'-0"

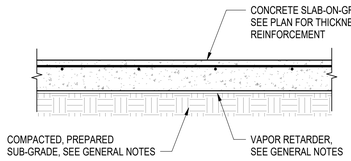


4 TYPICAL DETAIL - ADDITIONAL REINFORCEMENT OPENING AT SLAB-ON-GRADE
1" = 1'-0"



NOTES:
1. PROVIDE (1) - #4 X 4'-0" TOP & BOT. AT INTERIOR CORNERS OF ALL DEPRESSIONS.
2. COORDINATE DEPTH & LOCATION OF ALL FLOOR DEPRESSIONS W/ ARCHT'L. DRAWINGS.
3. SLAB DEPRESSIONS ARE TYPICALLY SHOWN THUS:

2 TYPICAL DETAIL AT FLOOR DEPRESSIONS
3/4" = 1'-0"



NOTE:
UNLESS SPECIFIED ELSEWHERE, VAPOR RETARDER SHALL BE A MINIMUM OF 15 MILS THICK MEETING OR EXCEEDING ASTM E-1745, CLASS A, & HAVE NO MORE THAN 0.01 PERMS WHEN TESTED IN ACCORDANCE WITH ASTM E-96.

1 TYPICAL DETAIL SLAB-ON-GRADE CONSTRUCTION SUBGRADE PREPARATION
1" = 1'-0"

ENERGY ARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

PINNACLE
STRUCTURAL ENGINEERS
3120 Southwest Freeway, Suite 410
Houston, TX 77098
713.807.8911 voice
23038

DRAWINGS INCOMPLETE
This document for Review Only.
Not intended for permitting, bidding or construction purposes.
PINNACLE STRUCTURAL ENGINEERS
LOUISIANA FIRM LICENSE #4141
Heath H. Michel
39291
06.21.2024

CAMERON PARISH PILOT'S LODGE
DAVIS RD
CAMERON, LA 70631

REV	DATE	DESCRIPTION
	06.21.2024	PROGRESS SET

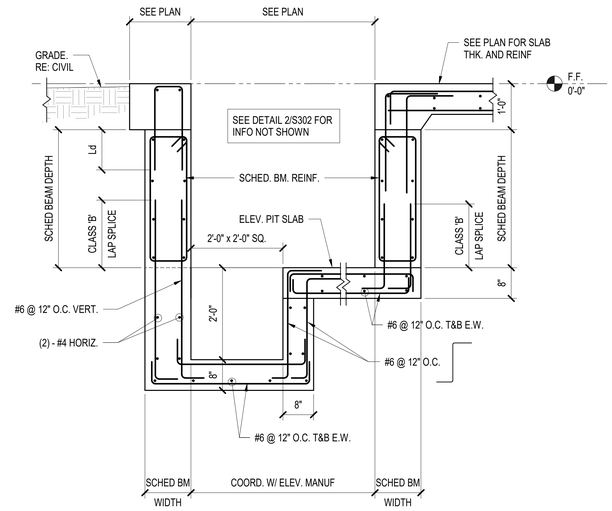
EA PROJECT NUMBER : 20039
ARCHITECT :
LICENSE # :

FOUNDATION DETAILS
S301

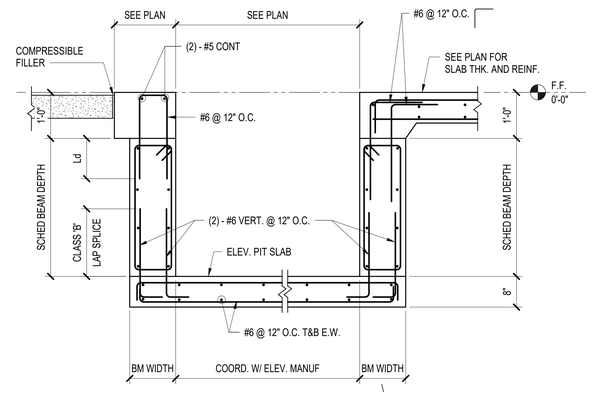
ENERGY ARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

PINNACLE
STRUCTURAL ENGINEERS
3120 Southwest Freeway, Suite 410
Houston, TX 77098
713.807.8911 voice
23038

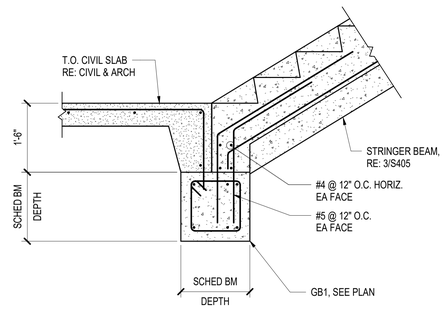
DRAWINGS INCOMPLETE
This document for Review Only.
Not intended for permitting, bidding
or construction purposes.
PINNACLE STRUCTURAL ENGINEERS
LOUISIANA FIRM LICENSE #4141
Heath H. Michel
39291
06.21.2024



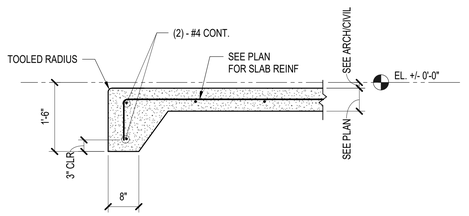
3 DETAIL AT ELEVATOR SUMP PIT
3/4" = 1'-0"



2 DETAIL AT ELEVATOR PIT
3/4" = 1'-0"



4 DETAIL AT CONCRETE STAIR STRINGER
TO GRADE BEAM CONNECTION
3/4" = 1'-0"



1 DETAIL AT CIVIL SLAB DOWN TURN
3/4" = 1'-0"

CAMERON PARISH PILOT'S LODGE
DAVIS RD
CAMERON, LA 70631

REV	DATE	DESCRIPTION

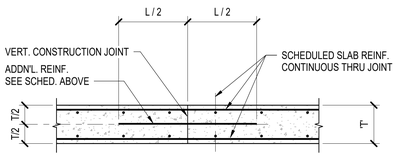
EA PROJECT NUMBER : 20039
ARCHITECT :
LICENSE # :

FOUNDATION DETAILS
S302

ADDITIONAL REINFORCEMENT SCHEDULE

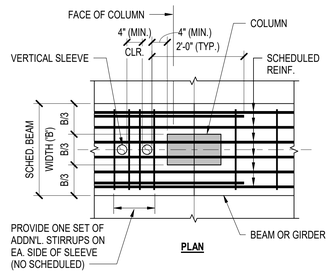
Fy = 60 KSI

SLAB THICKNESS 'T'	REINFORCEMENT
T ≤ 4"	#4 @ 18" O.C. X 2'-6"
4" < T ≤ 6"	#4 @ 12" O.C. X 2'-6"
6" < T ≤ 8"	#5 @ 12" O.C. X 3'-0"
8" < T ≤ 12"	#6 @ 12" O.C. X 3'-8"

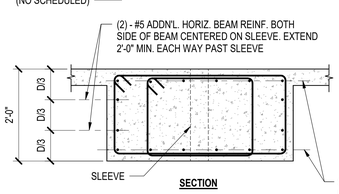


NOTES:
1. CONSTRUCTION JOINTS SHOULD BE LOCATED ON THE MIDDLE THIRD OF THE SLAB SPAN.
2. CONCRETE SURFACE AT CONSTRUCTION JOINT SHALL BE CLEAN & FREE OF LAITANCE.

16 TYPICAL DETAIL CONSTRUCTION JOINT CONCRETE STRUCTURAL SLAB
3/4" = 1'-0"



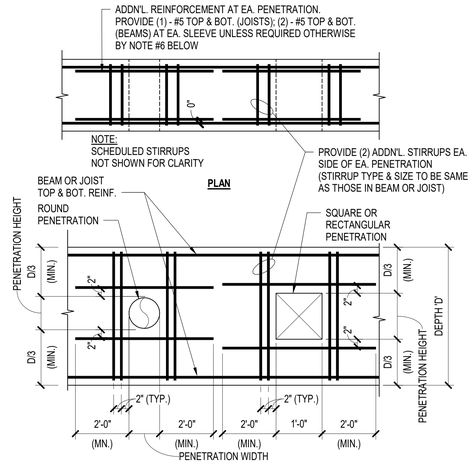
PLAN



SECTION

NOTES:
1. GENERAL CONTRACTOR TO COORDINATE LOCATION, SIZE & ELEVATION & INCLUDE IN HIS CONTRACT PRICE ALL REQUIRED HORIZONTAL PENETRATIONS THRU CONCRETE BEAMS & JOISTS WHETHER SHOWN ON STRUCTURAL DRAWINGS OR NOT.
2. WHERE BEAM PENETRATIONS ARE REQUIRED BUT ARE NOT SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS, SUBMIT DRAWINGS, SHOWING DIMENSIONS & LOCATIONS OF ALL REQUIRED PENETRATIONS, FOR REVIEW & APPROVAL.
3. 'D' DENOTES THE DEPTH OF THE BEAM OR JOIST.
4. CLEAR SPACING BETWEEN PENETRATIONS SHALL BE 24" MINIMUM UNLESS DESIGNED OTHERWISE BY ENGINEER.
5. PENETRATIONS SHALL BE LOCATED ACCORDING TO THE FOLLOWING CRITERIA:
   A. FOR BEAMS (& JOIST) NOT SUPPORTING INTERSECTING BEAMS (OR JOISTS); LOCATE PENETRATIONS WITHIN TWO FEET EITHER SIDE OF BEAM MID-SPAN.
   B. FOR BEAMS (& JOISTS) SUPPORTING INTERSECTING BEAMS (OR JOISTS); CHECK W/ THE STRUCTURAL ENGINEER.
6. FOR LOCATIONS &/OR SIZES OF PENETRATIONS NOT CONFORMING TO THE ABOVE CRITERIA & NOT OTHERWISE DETAILED ON THE STRUCTURAL DRAWINGS CONTRACTOR SHALL COORDINATE REQUIRED ADDITIONAL REINFORCEMENT W/ THE ENGINEER ON THE SHOP DRAWINGS.

14 TYPICAL DETAIL VERTICAL PENETRATION CONCRETE BEAM OR JOIST
3/4" = 1'-0"

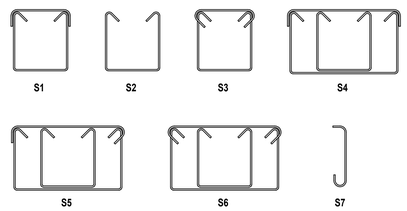


PLAN

ELEVATION

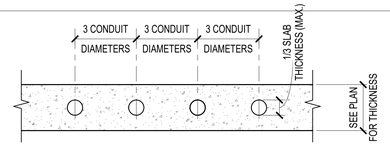
NOTES:
1. REQUIRED BEAM SLEEVES ARE TO BE COORDINATED W/ MEP CONTRACTOR. REQUIRED SLEEVES MAY OR MAY NOT BE SHOWN ON THE STRUCTURAL DRAWINGS. GENERAL CONTRACTOR SHALL SUBMIT PLAN SHOWING LAYOUT OF ALL SLEEVES W/ FORM WORK SHOP DRAWING SUBMITTAL.
2. SLEEVES SHALL BE LOCATED ON THE BEAM CENTERLINE OR AT LEAST WITHIN THE MIDDLE THIRD OF THE SCHEDULED BEAM WIDTH.
3. CONTINUOUS BEAM REINFORCING MAY BE SLIGHTLY DISPLACED (3" MAX.) OR ADJACENT BARS BUNDLED (2 BAR BUNDLES MAX.) TO FACILITATE SLEEVE INSTALLATION. DO NOT CUT, OFFSET OR BEND REINFORCING.
4. SLEEVES OCCURRING ON OPPOSITE SIDES OF A COLUMN MUST BE IN LINE.
5. THE OUTSIDE DIAMETER OF A SLEEVE MAY NOT EXCEED 15% OF THE SCHEDULED WIDTH OF THE BEAM THROUGH WHICH IT MUST PASS.
6. THE CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD FOR DIRECTIONS WHEN A SLEEVE SIZE OR LOCATION DOES NOT MEET THE CONDITIONS ESTABLISHED ABOVE.

12 TYPICAL DETAIL - HORIZONTAL PENETRATION CONCRETE BEAM
3/4" = 1'-0"



NOTES:
1. ALL HOOKS SHALL CONFORM TO THE STANDARDS OF ACI.
2. PLACE TOP BARS W/ 135° HOOK AT DISCONTINUOUS OR EXTERIOR SIDE OF BEAM.
3. PROVIDE #4 CONT. BARS TOP & BOTTOM TO SUPPORT EACH LEG OF STIRRUPS IF THERE ARE NO SCHEDULED BARS FOR BEAMS.

10 TYPICAL DETAIL - STIRRUP TYPES
3/4" = 1'-0"

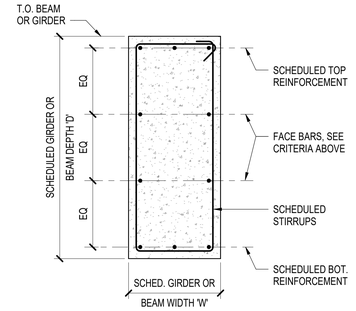


NOTES:
1. CONDUITS SHALL NOT BE LARGER IN OUTSIDE DIMENSION THAN 1/3 THE OVERALL THICKNESS OF THE SLAB IN WHICH THEY ARE EMBEDDED.
2. CONDUITS SHALL NOT BE SPACED CLOSER THAN THREE DIAMETERS OR WIDTHS ON CENTER.
3. CONDUITS & PIPES OF ALUMINUM SHALL NOT BE EMBEDDED IN STRUCTURAL CONCRETE.
4. CONDUITS SHALL BE PLACED BETWEEN TOP & BOTTOM SLAB REINFORCEMENT & SHALL BE LOCATED AS CLOSE AS POSSIBLE TO THE MID-DEPTH OF THE SLAB.
5. MINIMUM CONCRETE COVER FOR CONDUITS SHALL BE THE SAME AS THAT OF THE SLAB MAIN REINFORCEMENT.
6. THIS DETAIL APPLIES TO SLAB-ON-GRADE & SUSPENDED SLABS.

8 TYPICAL DETAIL CONDUITS EMBEDDED IN STRUCTURAL SLAB
1 1/2" = 1'-0"

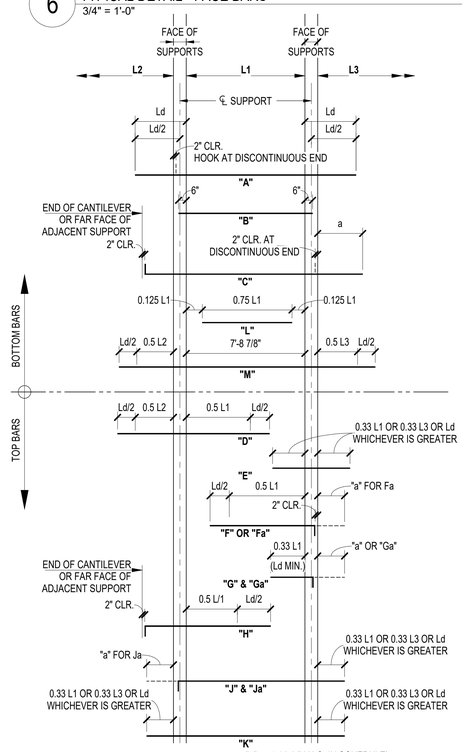
FACE BARS CRITERIA

BEAM DEPTH	BARS EACH FACE
36.5" ≤ 'D' < 48"	(5) - #4
48" ≤ 'D' < 54"	(5) - #5
54" ≤ 'D' < 60"	(5) - #6
60" ≤ 'D' < 72"	(5) - #7
72" ≤ 'D' < 84"	(6) - #8
84" ≤ 'D' < 96"	(8) - #8



NOTES:
1. PROVIDE FACE BARS BY CRITERIA SHOWN FOR ALL BEAM & GIRDERS UNLESS GIVEN OTHERWISE IN SCHEDULES OR DETAILS.
2. LAP FACE BARS 2'-0" AT SPLICE.
3. SPLICE FACE BARS EVENLY EACH FACE BETWEEN TOP & BOTTOM REINFORCEMENT.

6 TYPICAL DETAIL - FACE BARS
3/4" = 1'-0"

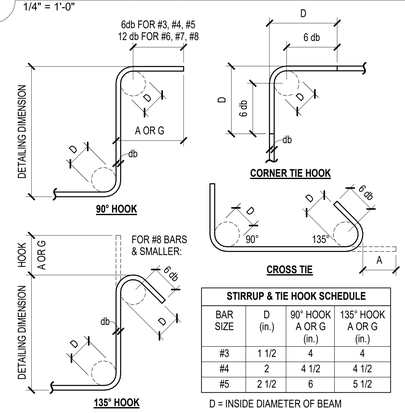


5 BAR PLACEMENT DIAGRAM CONCRETE BEAM, JOIST, OR ONE WAY SLAB
1/4" = 1'-0"

NOTES:
1. SCHEDULED LEFT & RIGHT END OF MEMBERS READ ON PLAN AS LEFT & RIGHT OF THE SHEET OR BOTTOM & TOP OF THE SHEET RESPECTIVELY AS SHOW BELOW. SCHEDULED LEFT & RIGHT END OF MEMBERS SHOWN DIAGONALLY ON PLAN READ AS LEFT & RIGHT OF SHEET AS SHOWN BELOW:

2. VALUES OF DIMENSIONS "a" SHALL BE THE TENSION DEVELOPMENT LENGTHS UNLESS OTHERWISE NOTED IN THE SCHEDULE.
3. HOOKS ARE SHOWN FOR TOP BARS & SHALL BE REVERSED FOR BOTTOM BARS.
4. Ld EQUALS TENSION DEVELOPMENT LENGTH.
5. SPLICES IN SCHEDULED BARS LESS THAN 60'-0" LENGTH ARE NOT PERMITTED. SPLICES IN SCHEDULE BARS MORE THAN 60"-0" LENGTH SHALL BE REFERRED TO ENGINEER FOR APPROVAL.

4 BAR PLACEMENT DIAGRAM CONCRETE BEAM, JOIST, OR ONE WAY SLAB
1/4" = 1'-0"

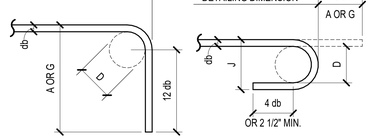


STIRRUP & TIE HOOK SCHEDULE

BAR SIZE	D (in.)	90° HOOK A OR G (in.)	135° HOOK A OR G (in.)
#3	1 1/2	4	4
#4	2	4 1/2	4 1/2
#5	2 1/2	6	5 1/2

D = INSIDE DIAMETER OF BEAM

3 STIRRUP AND TIE HOOK TYPES
1 1/2" = 1'-0"



90° HOOK

180° HOOK

RECOMMENDED END HOOKS, ALL GRADES

BAR SIZE	FINISHED BEND DIAMETER D, (in.)	180° A OR G, (in.)	180° J, (in.)	90° A OR G, (in.)
#3	2 1/4	5	3	6
#4	3	6	4	8
#5	3 3/4	7	5	10
#6	4 1/2	8	6	12
#7	5 1/4	10	7	14
#8	6	11	8	16
#9	9 1/2	15	11 3/4	19
#10	10 3/4	17	13 1/4	22
#11	12	19	14 3/4	24
#14	18 1/4	27	21 3/4	31
#18	24	36	28 1/2	41

D = INSIDE DIAMETER OF BEAM

2 END HOOK TYPES
1 1/2" = 1'-0"

TENSION DEVELOPMENT LENGTHS AND TENSION LAP SLICE LENGTHS GRADE 60 (UNCOATED) REINFORCEMENT (NORMAL WEIGHT CONCRETE)

BAR SIZE	F'c = 3000		F'c = 4000		F'c = 5000		F'c = 6000		F'c = 7000		F'c = 8000		BAR SIZE
	CLASS A 1.0Ld	CLASS B 1.3Ld	CLASS A 1.0Ld	CLASS B 1.3Ld	CLASS A 1.0Ld	CLASS B 1.3Ld	CLASS A 1.0Ld	CLASS B 1.3Ld	CLASS A 1.0Ld	CLASS B 1.3Ld	CLASS A 1.0Ld	CLASS B 1.3Ld	
#3	17	22	15	19	13	17	12	16	12	16	12	16	#3
#4	22	29	19	25	17	23	16	21	15	19	14	18	#4
#5	28	36	24	31	22	28	20	26	18	24	17	22	#5
#6	33	43	29	37	26	34	24	31	22	28	21	27	#6
#7	48	63	42	54	38	49	34	45	32	41	30	39	#7
#8	55	72	48	62	43	56	39	51	36	47	34	44	#8
#9	62	81	54	70	48	63	44	57	41	53	38	50	#9
#10	70	91	61	79	54	71	50	64	46	60	43	56	#10
#11	78	101	67	87	60	78	55	71	51	66	48	62	#11

NOTES:
1. ALL LENGTHS SHOWN IN THE TABLE ARE IN INCHES.
2. Ld = TENSION DEVELOPMENT LENGTH.
3. THE ABOVE TABLE IS VALID FOR,
   a. BEAMS & COLUMNS WHERE CONCRETE COVER > = db, c/c BAR SPACING > = 2db & W/ STIRRUPS OR TIES THROUGHOUT ld NOT LESS THAN THE CODE MINIMUM.
   b. OTHER ELEMENTS SUCH AS SLABS, WALLS, ETC. WHERE CONCRETE COVER > = db, c/c BAR SPACING > = 3db.
4. FOR TOP BARS, MULTIPLY THE SPLICE LENGTHS BY 1.30. TOP BARS REQUIRE MINIMUM OF 12" OF FRESH CONCRETE BELOW BAR.

1 TYPICAL DETAIL - TENSION DEVELOPMENT & SPLICE LENGTHS (NORMAL WEIGHT CONCRETE)
12" = 1'-0"

ENERGY ARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

PINNACLE STRUCTURAL ENGINEERS
3120 Southwest Freeway, Suite 410
Houston, TX 77098
713.807.8911 voice
23038

DRAWINGS INCOMPLETE
This document for Review Only. Not intended for permitting, bidding or construction purposes.
PINNACLE STRUCTURAL ENGINEERS
LOUISIANA FIRM LICENSE #4141
Heath H. Michel
39291
06.21.2024

CAMERON PARISH PILOT'S LODGE
DAVIS RD
CAMERON, LA 70631

REV	DATE	DESCRIPTION
	06.21.2024	PROGRESS SET

EA PROJECT NUMBER : 20039
ARCHITECT :
LICENSE # :

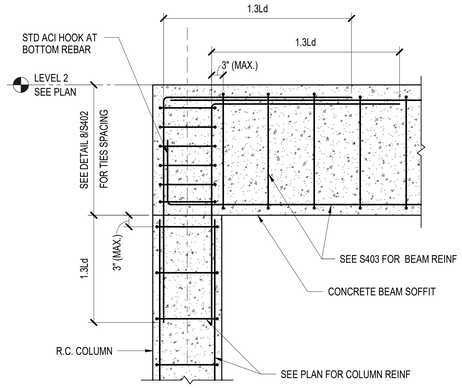
CONCRETE FRAMING
S401

ENERGY ARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

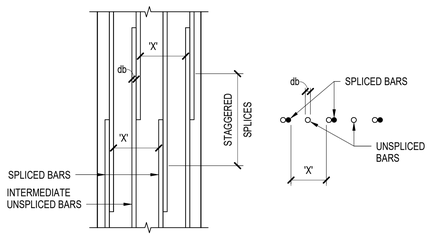
PINNACLE
STRUCTURAL ENGINEERS
3120 Southwest Freeway, Suite 410
Houston, TX 77098
713.807.8911 voice
23038

DRAWINGS INCOMPLETE
This document for Review Only.
Not intended for permitting, bidding or construction purposes.
PINNACLE STRUCTURAL ENGINEERS
LOUISIANA FIRM LICENSE #4141
Heath H. Michel
39291
06.21.2024

CAMERON PARISH PILOT'S LODGE
DAVIS RD
CAMERON, LA 70631

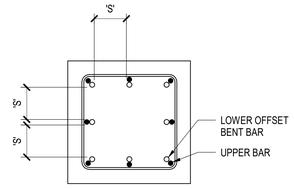


12 SECTION
3/4" = 1'-0"



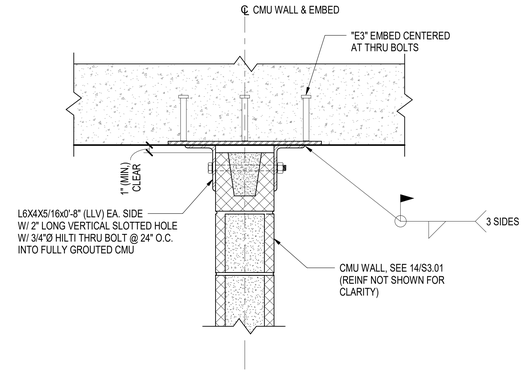
NOTES:
1. S = CLEAR BAR SPACING TO BE USED FOR DETERMINATION OF TENSION SPLICE LENGTH CATEGORY, S = X - Db
   X = CLEAR DISTANCE BETWEEN ADJACENT SPLICED BARS.
   db = DIAMETER OF INTERMEDIATE UNSPLICED BARS.

8 TYPICAL DETAIL - CLEAR SPACING CRITERIA FOR LAP SPLICED BARS (STAGGERED SPLICES)
1" = 1'-0"

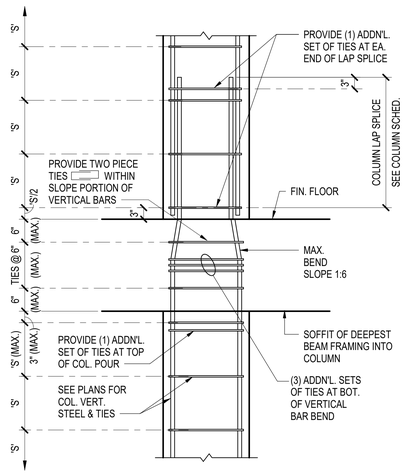


NOTES:
1. LOWER COLUMN VERTICAL BARS SHALL BE OFFSET BENT IN THE SHOP TOWARD THE INTERIOR OF THE COLUMN AS SHOWN.
2. 'S' = CLEAR BAR SPACING TO BE USED FOR DETERMINATION OF TENSION SPLICE LENGTH CATEGORY.
3. WHEN CLEAR BAR SPACING IS NOT THE SAME AT DIFFERENT COLUMN FACES, SMALLER SPACING SHALL BE USED TO DETERMINE THE APPLICABLE SPLICE CATEGORY.
4. REFER TO "TYPICAL DETAIL - CLEAR SPACING CRITERIA FOR LAP SPLICED BARS (STAGGERED SPLICES)" FOR CRITERIA TO DETERMINE CLEAR SPACING FOR BARS AT STAGGERED SPLICES.

3 TYPICAL DETAIL - NORMAL LAP SPLICE (SQUARE OR RECTANGULAR COLUMN)
1" = 1'-0"

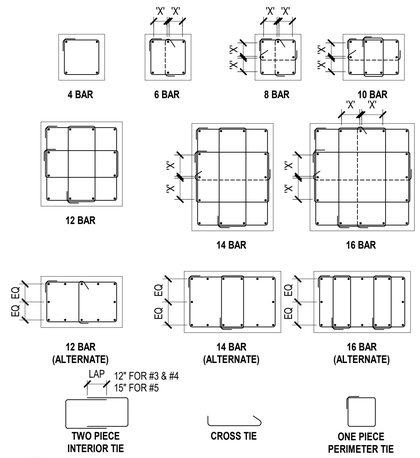


11 CMU WALL CONNECTION TO CONCRETE SLAB/BEAM
1 1/2" = 1'-0"



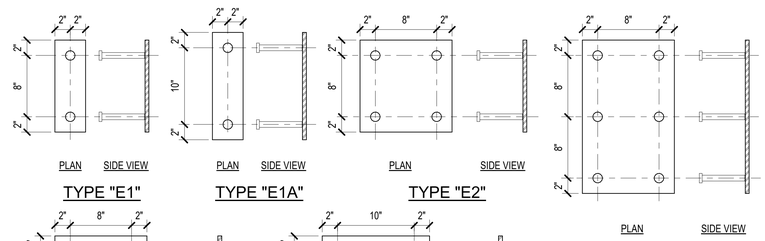
NOTES:
1. AT INTERIOR COLUMNS, TIES @ 6" CENTERS WITHIN FLOOR CONSTRUCTION MAY BE OMITTED IF BEAMS OR JOISTS FRAME CONCENTRICALLY INTO ALL FOUR SIDES OF THE COLUMN & NO BEAM IS NARROWER THAN ONE HALF THE COLUMN WIDTH.
2. 'S' DENOTES SCHEDULED TIE SPACING.
3. TYPICAL DETAIL ONLY APPLIES TO COLUMNS W/ LESS THAN 3" OFFSET ON ANY FACE FROM COLUMN ABOVE.

6 TYPICAL DETAIL - BEAM AND SLAB FLOOR SYSTEM COLUMN SPLICE AT FLOOR LINE
3/4" = 1'-0"



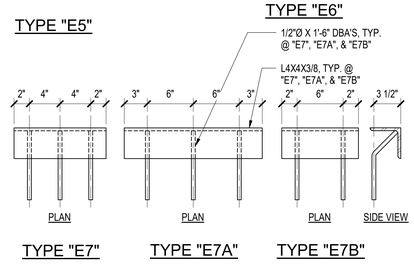
NOTES:
1. CROSS TIES MUST BE INCLUDED WHEN 'X' > 6".
2. FOR MINIMUM COVER TO TIES, SEE GENERAL NOTES.
3. ALTERNATE HOOKS IN PLACING SUCCESSIVE SETS OF TIES.
4. TWO PIECE TIES MUST BE SECURELY TIED TO COLUMN VERTICAL BARS & TO EACH OTHER TO PREVENT DISPLACEMENT DURING CONCRETE.
5. SEE "TYPICAL DETAILS, STIRRUP AND TIE HOOKS," FOR ALL HOOK REQUIREMENTS.
6. ALL COLUMNS SHALL HAVE ONE-PIECE TIES. ALL OTHER TIES SHALL BE TWO-PIECE TIES OR CROSS TIES.

2 TYPICAL DETAIL COLUMN TIE REQUIREMENTS (SQUARE OR RECTANGULAR COLUMNS)
1/2" = 1'-0"

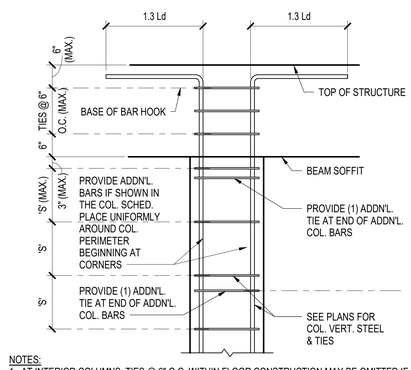


NOTES:

1. ALL PLATES ARE 1/2" THICK.
2. ALL HEADED STUDS ARE 3/4"Ø. STUDS SHALL BE 4" LONG FOR ALL PANELS LESS THAN 8" THICK AND 6" LONG FOR ALL PANELS GREATER THAN OR EQUAL TO 8" THICK.



13 TYPICAL DETAIL - EMBED PLATES
1 1/2" = 1'-0"



NOTES:
1. AT INTERIOR COLUMNS, TIES @ 6" O.C. WITHIN FLOOR CONSTRUCTION MAY BE OMITTED IF BEAMS OR JOISTS FRAME CONCENTRICALLY INTO ALL FOUR SIDES OF THE COLUMN & NO BEAM OR JOIST IS NARROWER THAN ONE HALF THE COLUMN WIDTH.
2. 'S' DENOTES SCHEDULED TIE SPACING.

5 TYPICAL DETAIL - BEAM & SLAB FLOOR SYSTEM COLUMN AT ROOF OR TOP FLOOR BEAM & SLAB FLOOR SYSTEM
3/4" = 1'-0"

NOTES:

1. **COLUMN VERTICAL REINFORCEMENT, TIES & SPLICES SHALL BE DETAILED TO CONFORM TO "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE 318" & ACI STANDARD "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT " AS REPORTED BY ACI COMMITTEE 315.**
2. **SEE COLUMN SCHEDULE FOR FLOOR HEIGHTS, COLUMN CONCRETE STRENGTH, COLUMN SIZE, VERTICAL REINFORCEMENT SIZE & ARRANGEMENT, TIE SIZE & SPACING & SPLICE TYPE.**
3. **SQUARE & RECTANGULAR COLUMN LAP SPLICE SHALL BE NORMAL LAP SPLICES (UNLESS NOTED OTHERWISE IN THE COLUMN SCHEDULE) W/ BARS OFFSET BENT IN THE SHOP TOWARD THE INTERIOR OF THE COLUMN.**
4. **THE FOLLOWING NOTATION IS USED IN THE COLUMN SCHEDULE & ELSEWHERE ON THE DRAWINGS TO DENOTE REINFORCING STEEL EMBEDMENT LENGTHS, SPLICE TYPES & BAR ARRANGEMENTS.**
   A - CLASS A TENSION SPLICE
   B - CLASS B TENSION SPLICE
   M - MECHANICAL SPLICE
5. **UNLESS SHOWN OTHERWISE IN THE COLUMN SCHEDULE, ALL COLUMN VERTICAL BARS SHALL BE LAPPED 30 BAR DIAMETERS AT LAP SPLICES.**
6. **THE CONTRACTOR HAS THE OPTION TO SPLICE THE BARS AT EACH TWO STORY HEIGHT IN LIEU OF SINGLE STORY HEIGHT SHOWN IN THE COLUMN SCHEDULE.**
7. **CONTRACTOR SHALL PROVIDE A COLUMN "COLLAR" AT THE APPROXIMATE MID-POINT OF TWO STORY COLUMN SPLICES CAPABLE OF HOLDING THE TRUE VERTICAL LINE OF THE COLUMN REINFORCING CAGE IN TWO PERPENDICULAR DIRECTIONS.**
8. **COLUMNS W/ MECHANICAL SPLICE SHALL DEVELOP 125% f_y IN TENSION. PROVIDE MINIMUM 2'-0" STAGGER BETWEEN SPLICED BARS AT COLUMN WHERE BARS ARE SPLICED. THE SPLICED BARS SHALL BE ALTERNATED W/ UNSPLICED BARS.**
9. **RECTANGULAR COLUMNS CALLED THE "LXB" SHALL HAVE THE DIMENSION "L" IN EAST-WEST DIRECTION & "B" IN NORTH-SOUTH DIRECTION UNLESS NOTED OTHERWISE.**

REV	DATE	DESCRIPTION
	06.21.2024	PROGRESS SET

EA PROJECT NUMBER : 20039
ARCHITECT :
LICENSE # :

CONCRETE FRAMING
S402

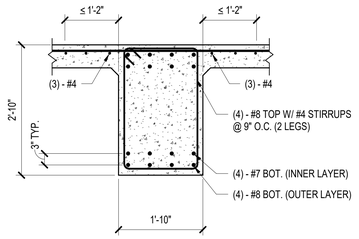
ENERGY ARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

PINNACLE
STRUCTURAL ENGINEERS
3120 Southwest Freeway, Suite 410
Houston, TX 77098
713.807.8911 voice
23038

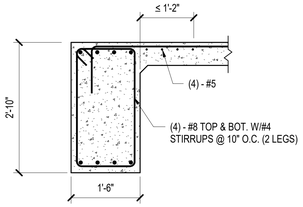
DRAWINGS INCOMPLETE
This document for Review Only.
Not intended for permitting, bidding or construction purposes.
PINNACLE STRUCTURAL ENGINEERS
LOUISIANA FIRM LICENSE #4141
Heath H. Michel
39291
06.21.2024

CAMERON PARISH PILOT'S LODGE

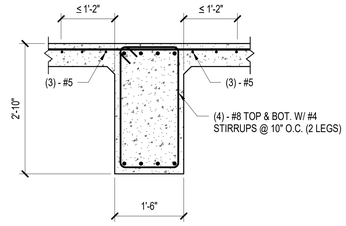
DAVIS RD
CAMERON, LA 70631



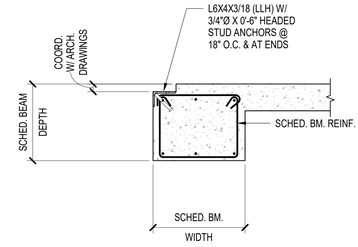
16 TYPE "B5" BEAM
3/4" = 1'-0"



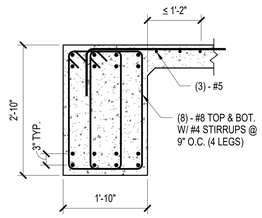
12 TYPE "B2A" BEAM
3/4" = 1'-0"



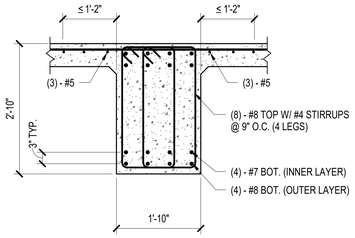
8 TYPE "B2" BEAM
3/4" = 1'-0"



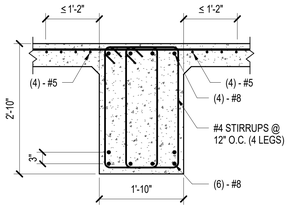
4 TYPICAL DETAIL - STAIR LANDING
3/4" = 1'-0"



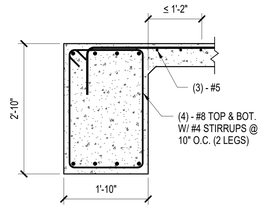
19 TYPE "B6" BEAM
3/4" = 1'-0"



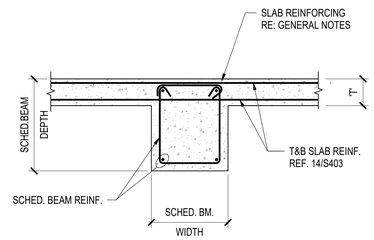
15 TYPE "B4" BEAM
3/4" = 1'-0"



11 TYPE "B3" BEAM
3/4" = 1'-0"

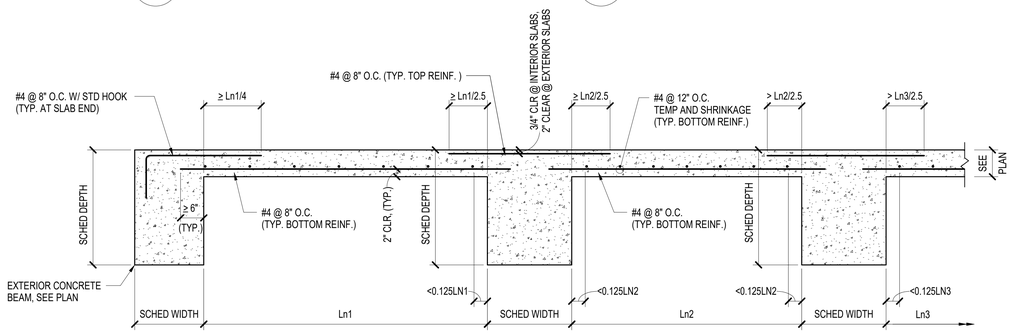


7 TYPE "B1" BEAM
3/4" = 1'-0"

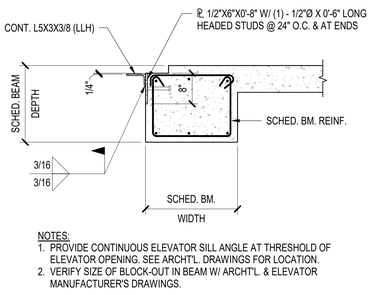


NOTES:
1. SEE BEAM SCHEDULE FOR BEAM REINFORCEMENT.
2. 'T' = SLAB THICKNESS, SEE PLAN.
3. REFERENCE GENERAL NOTES FOR REQUIRED REINFORCING STEEL COVER.

3 TYPICAL DETAIL AT INTERIOR BEAM
3/4" = 1'-0"

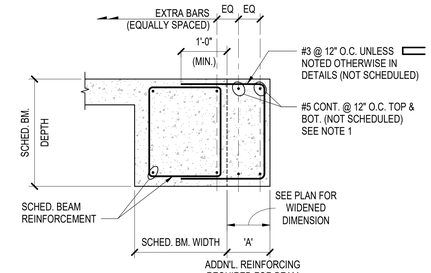


14 TYPICAL ONE-WAY SLAB SECTION AND REINFORCEMENT (SMALL BLDG.)
3/4" = 1'-0"



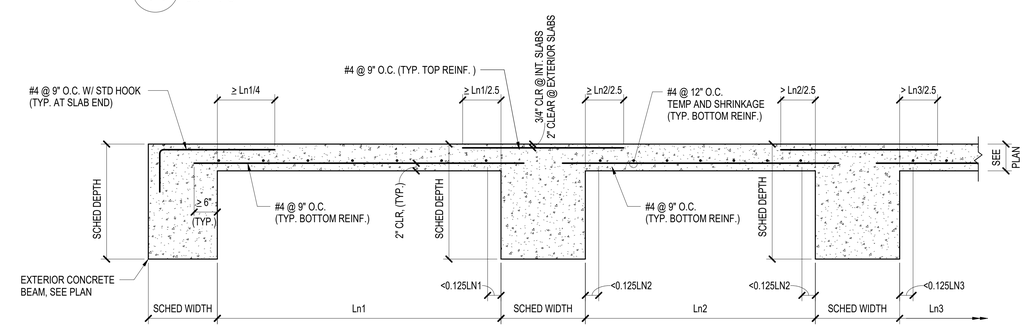
NOTES:
1. PROVIDE CONTINUOUS ELEVATOR SILL ANGLE AT THRESHOLD OF ELEVATOR OPENING. SEE ARCHT'L. DRAWINGS FOR LOCATION.
2. VERIFY SIZE OF BLOCK-OUT IN BEAM W/ ARCHT'L. & ELEVATOR MANUFACTURER'S DRAWINGS.

TYPICAL DETAIL
ELEVATOR SILL ANGLE CONNECTION TO CONCRETE FLOOR BEAM
3/4" = 1'-0"



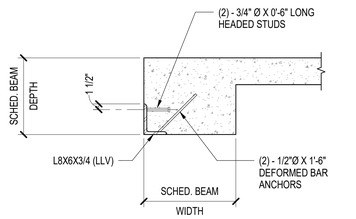
NOTE:
1. FOR 'A' UP TO 12" - PROVIDE (1) - #5 TOP & BOTTOM.
   FOR 12" < 'A' UP TO 24" - PROVIDE (2) - #5 TOP & BOTTOM.
   FOR 24" < 'A' < 36" - PROVIDE (3) - #5 TOP & BOTTOM.

2 TYPICAL DETAIL - ADDITIONAL REINFORCING AT WIDENED CONCRETE BEAM
3/4" = 1'-0"



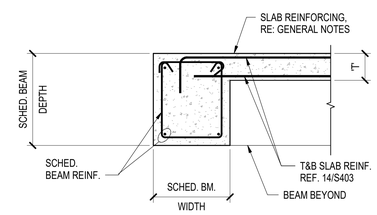
NOTE: REBAR SPACED AT 9" SHALL BE #5 BETWEEN GRIDS 5 AND 6

13 TYPICAL ONE-WAY SLAB SECTION AND REINFORCEMENT (LARGE BLDG.)
3/4" = 1'-0"



NOTES:
1. PROVIDE MINIMUM OF (4) - HANGERS FOR EACH STAIR.
2. COORDINATE ANGLE LOCATION W/ STAIR SHOP DRAWINGS.

5 TYPICAL DETAIL - STAIR HANGER CONNECTION
3/4" = 1'-0"



NOTES:
1. 'T' = SLAB THICKNESS, SEE PLAN.
2. REFERENCE GENERAL NOTES FOR REQUIRED REINFORCING STEEL COVER.

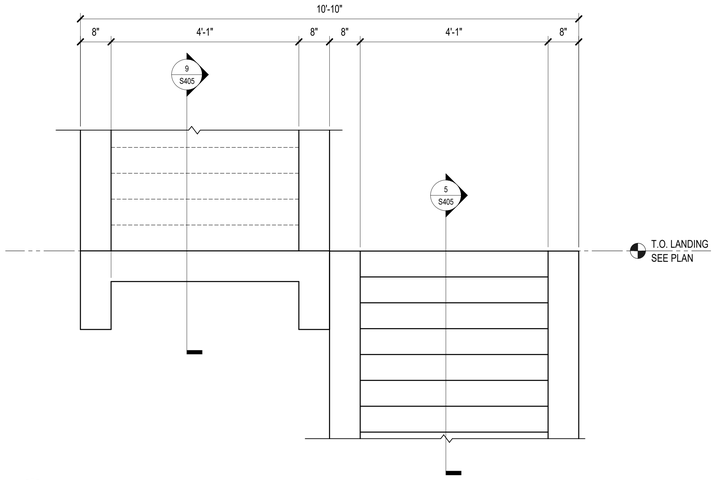
1 TYPICAL DETAIL
EXTERIOR SPANDREL BEAM
3/4" = 1'-0"

REV	DATE	DESCRIPTION
	06.21.2024	PROGRESS SET

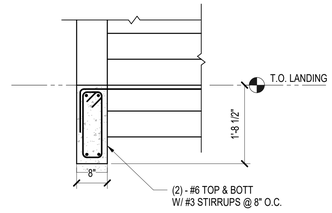
EA PROJECT NUMBER : 20039
ARCHITECT :
LICENSE # :

CONCRETE FRAMING

S403

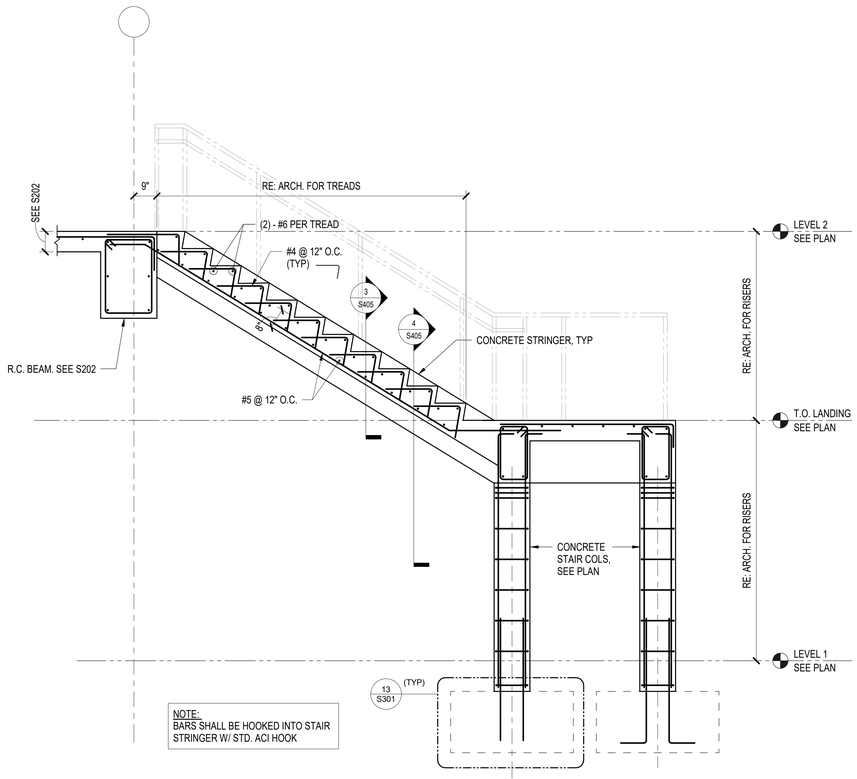


4 SECTION AT STAIRS
3/4" = 1'-0"

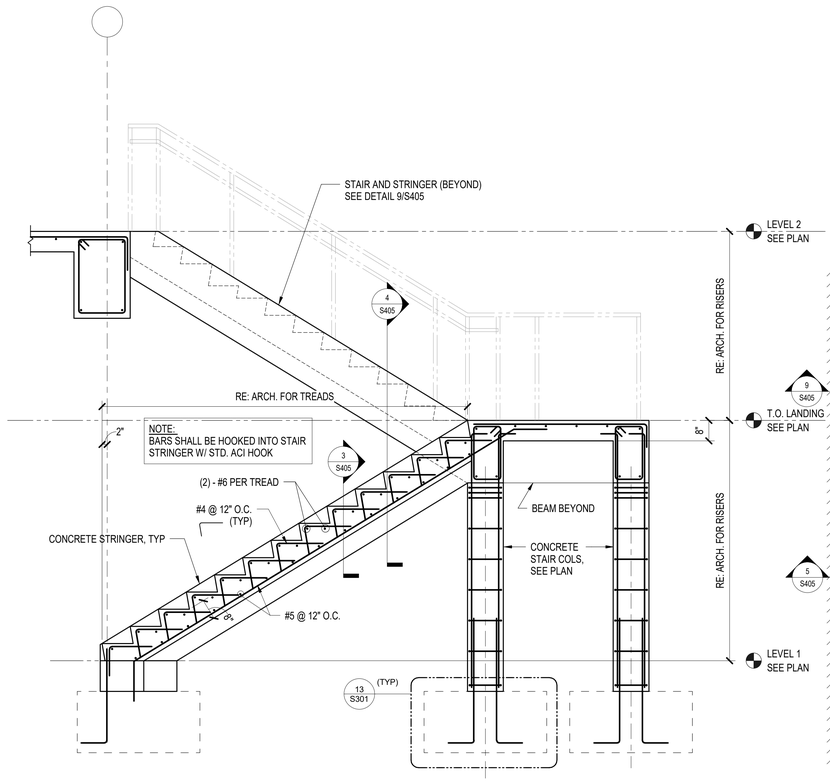


3 TYPICAL DETAIL AT TYPE "STR" STAIR LANDING
3/4" = 1'-0"

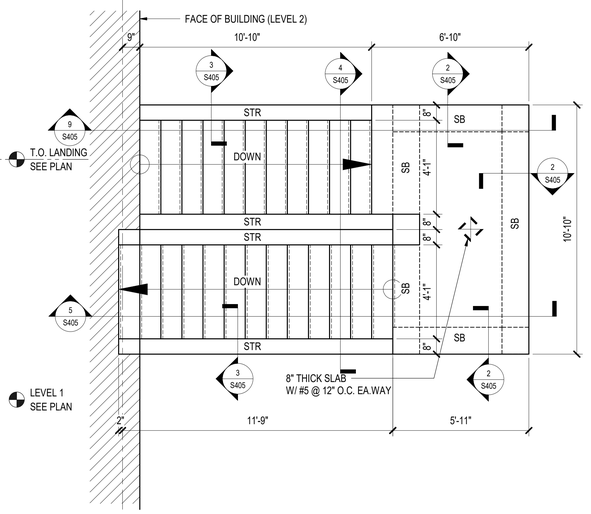
2 DETAIL AT STAIR LANDING
3/4" = 1'-0"



9 ELEVATION - TYPICAL STAIR
1/2" = 1'-0"



5 ELEVATION - TYPICAL STAIR
1/2" = 1'-0"



1 PLAN VIEW - TYPICAL STAIR
3/8" = 1'-0"

ENERGY ARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

PINNACLE
STRUCTURAL ENGINEERS
3120 Southwest Freeway, Suite 410
Houston, TX 77098
713.807.8911 voice
23038

DRAWINGS INCOMPLETE
This document for Review Only.
Not intended for permitting, bidding
or construction purposes.
PINNACLE STRUCTURAL ENGINEERS
LOUISIANA FIRM LICENSE #4141
Heath H. Michel
39291
06.21.2024

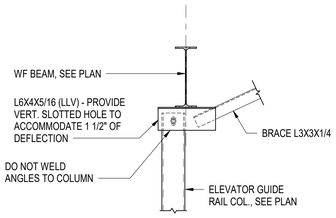
CAMERON PARISH PILOT'S LODGE
DAVIS RD
CAMERON, LA 70631

REV	DATE	DESCRIPTION

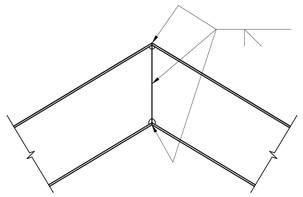
EA PROJECT NUMBER : 20039
ARCHITECT :
LICENSE # :

STAIR PLAN
AND DETAILS

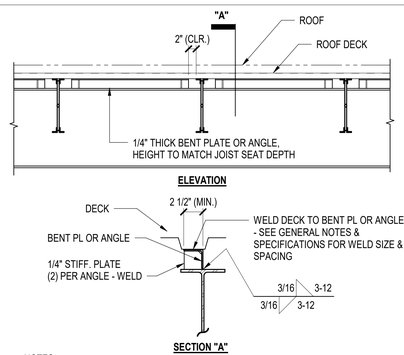
S405



16 DETAIL AT HSS COLUMN ELEVATOR
3/4" = 1'-0"

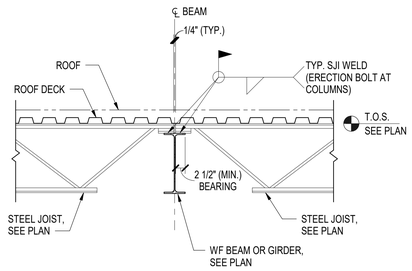


12 TYPICAL DETAIL - BENT BEAM
1" = 1'-0"



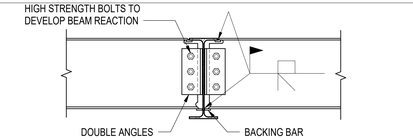
NOTES:
1. DETAIL APPLIES AT ALL DIAGONAL BRACES, MOMENT FRAMES & COLLECTOR BEAMS
2. FOR SLOPED ROOFS, MATCH DEPTH AND SLOPE OF JOIST SEAT

8 TYPICAL DETAIL - OPEN WEB STEEL JOIST DECK DIAPHRAGM CONN. TO STEEL BEAM
3/4" = 1'-0"

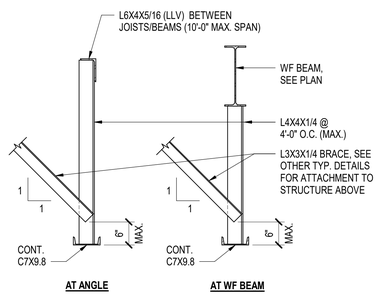


NOTE:
WHEN WIDTH OF BEAM IS LESS THAN 5 1/2", OFFSET THE LOCATION OF JOISTS ON ONE SIDE OF BEAM

4 TYPICAL DETAIL - WF BEAM TO WF BEAM MOMENT CONNECTION
1" = 1'-0"

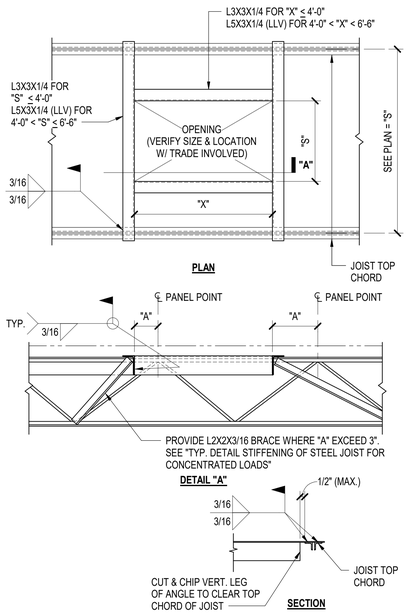


NOTES:
1. BOLTS IN WEB CONNECTION SHALL BE INSTALLED TO A SNUG-TIGHT CONDITION PRIOR TO WELDING OF FLANGES
2. REFER TO GENERAL NOTES FOR BEAM REACTION DESIGN CRITERIA
3. PROVIDE PRE-DESIGNED CONNECTIONS AS SHOWN IN AISC MANUAL WHERE APPLICABLE
4. REFER TO GENERAL NOTES FOR BOLT TYPE



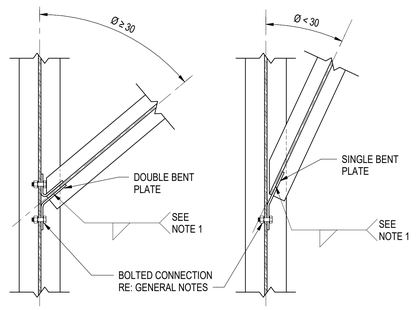
NOTES:
1. SLOPE OF BRACE SHALL BE AS CLOSE TO 1:1 AS POSSIBLE & ALLOW THE BRACE TO CONNECT TO THE TOP FLANGE OF THE CLOSEST BEAM/JOIST.
2. USE 3/16" ALL AROUND FILLET WELDS AT ALL WELDS NOT SHOWN, U.N.O.

15 TYPICAL DETAIL - WINDOW WALL SUPPORT
3/4" = 1'-0"



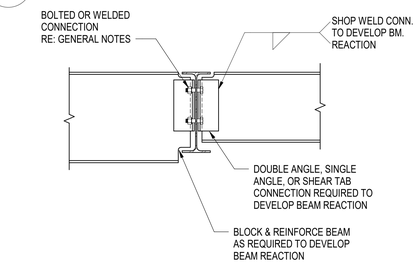
10 TYPICAL DETAIL OPEN WEB STEEL JOIST ROOF OPENING
3/4" = 1'-0"

7 TYPICAL DETAIL - OPEN WEB STEEL JOIST AT INTERIOR WF BEAM, ROOF
3/4" = 1'-0"

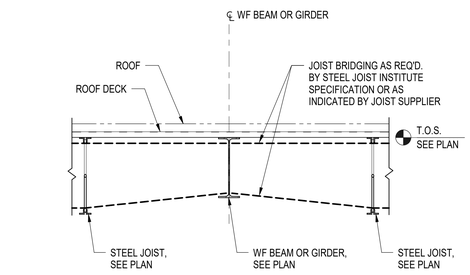


NOTE:
SHOP WELD CONNECTION TO DEVELOP BEAM REACTION. REFER TO GENERAL NOTES.

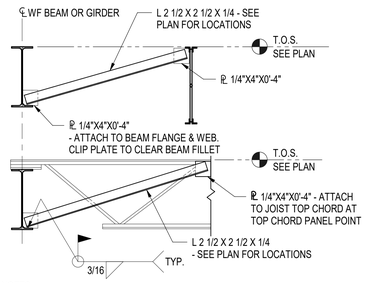
3 TYPICAL DETAIL AT WF BEAM TO WF BEAM CONNECTION
1" = 1'-0"



NOTES:
1. REFER TO GENERAL NOTES FOR BEAM REACTION DESIGN CRITERIA
2. PROVIDE PRE-DESIGNED CONNECTIONS AS SHOWN IN THE A.I.S.C MANUAL WHERE APPLICABLE
3. REFER TO GENERAL NOTES FOR BOLT TYPE

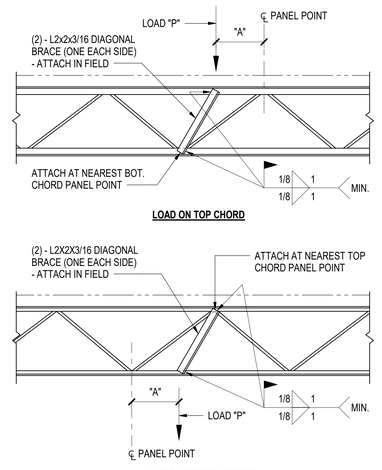


14 TYPICAL DETAIL - OPEN WEB STEEL JOIST AT INTERIOR TIE BEAM, ROOF
3/4" = 1'-0"



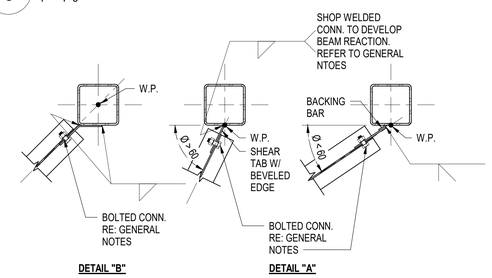
NOTES:
1. LOCATE ANGLE BRACES AT ALL EXTERIOR BEAMS & MOMENT FRAMES @ 6'-0" O.C. (MAX.).
2. FIELD WELDING OF 1/4" CONNECTION PLATES SHALL BE AT FABRICATOR'S OPTION.
3. ALL BRACING SHALL BE IN PLACE & WELDED BEFORE DECK INSTALLATION.
4. BRACE SIZE SHOWN HERE ARE TYPICAL U.N.O. ON PLAN.
5. SEE GENERAL NOTES FOR DECK CONSTRUCTION.

13 TYPICAL DETAIL - BEAM BOT. FLANGE BRACE JOIST CONSTRUCTION
3/4" = 1'-0"



NOTES:
1. DIAGONAL BRACE IS NOT REQUIRED FOR "A" LESS THAN 3".
2. PROVIDE DIAGONAL BRACES AT LOCATION OF CONCENTRATED LOADS SUCH AS HEAVY PIPES, MECHANICAL UNITS, HEAVY LIGHTS & ANY OTHER CONCENTRATED LOADS OVER 100 LBS.
3. P = CONCENTRATED LOAD
4. CHAMFER DIAGONAL BRACE AS REQUIRED TO ACHIEVE DESIGNATED WELD LENGTH.

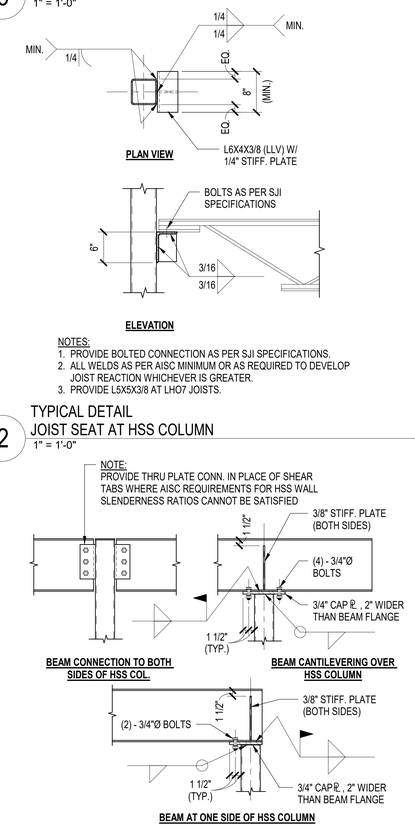
9 TYPICAL DETAIL - STIFFENING OF STEEL JOIST FOR CONCENTRATED LOADS
3/4" = 1'-0"



NOTES:
1. SHEAR TAB CONNECTION MAY BE USED ONLY WHERE WORK POINT IS AT FACE OF HSS COLUMN.
2. SINGLE BENT PLATES SHALL BE DESIGNED FOLLOWING PROCEDURES OUTLINED IN THE AISC MANUAL.
3. REFER TO GENERAL NOTES FOR CONNECTION DESIGN CRITERIA.
4. USE DETAIL "A" UNLESS CONDITIONS EXIST THAT REQUIRE WORK POINT TO BE LOCATED AT CENTERLINE OF HSS SECTION (SPANDREL BEAM FOR EXAMPLE). LOCATION OF WORK POINTS SHALL BE APPROVED BY ENGINEER PRIOR TO SHOP DRAWING SUBMITTAL.

6 TYPICAL DETAIL - SKEWED WIDE FLANGE BEAM TO WIDE BEAM CONNECTION SHEAR CONNECTION
1" = 1'-0"

5 TYPICAL DETAIL - SKEWED WF BEAM TO HSS COLUMN SHEAR CONNECTION
1" = 1'-0"



NOTES:
1. PROVIDE BOLTED CONNECTION AS PER SJI SPECIFICATIONS.
2. ALL WELDS AS PER AISC MINIMUM OR AS REQUIRED TO DEVELOP JOIST REACTION WHICHEVER IS GREATER.
3. PROVIDE L5X5X3/8 AT LHO7 JOISTS.

2 TYPICAL DETAIL JOIST SEAT AT HSS COLUMN
1" = 1'-0"

1 TYPICAL DETAIL STEEL BEAM TO HSS COLUMN CONNECTION
3/4" = 1'-0"

ENERGY ARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

PINNACLE
STRUCTURAL ENGINEERS
3120 Southwest Freeway, Suite 410
Houston, TX 77098
713.807.8911 voice

23038

DRAWINGS INCOMPLETE
This document for Review Only.
Not intended for permitting, bidding or construction purposes.
PINNACLE STRUCTURAL ENGINEERS
LOUISIANA FIRM LICENSE #4141
Heath H. Michel
39291
06.21.2024

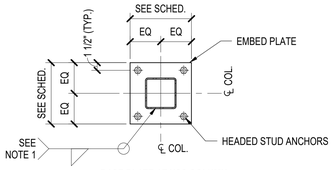
CAMERON PARISH PILOT'S LODGE
DAVIS RD
CAMERON, LA 70631

REV	DATE	DESCRIPTION
	06.21.2024	PROGRESS SET

EA PROJECT NUMBER : 20039
ARCHITECT :
LICENSE # :

STEEL FRAMING DETAILS

S411

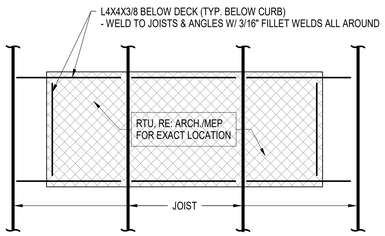


BASE PLATE AT HSS COLUMN

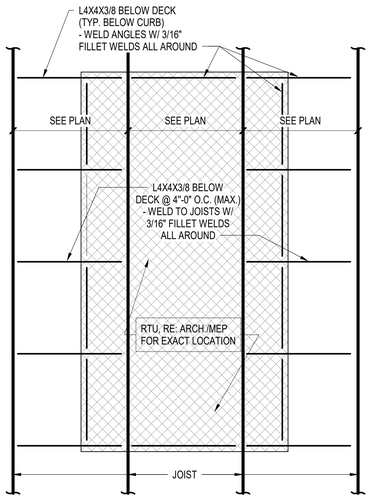
COLUMN SCHEDULE		
COLUMN	EMBED PLATE	HEADED STUD ANCHORS
HSS 5 x 5	12" x 12" x 3/4"	(4) - 3/4"Ø x 12"

NOTES:
1. MINIMUM FILLET WELD ACCORDING TO A.I.S.C. (1/4" MIN.).

15 TYPICAL DETAIL
BASE PLATE AT HSS COLUMNS
1" = 1'-0"

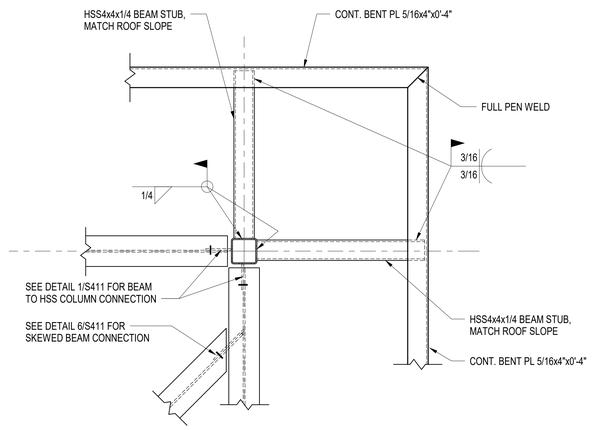


RTU PERPENDICULAR TO JOISTS

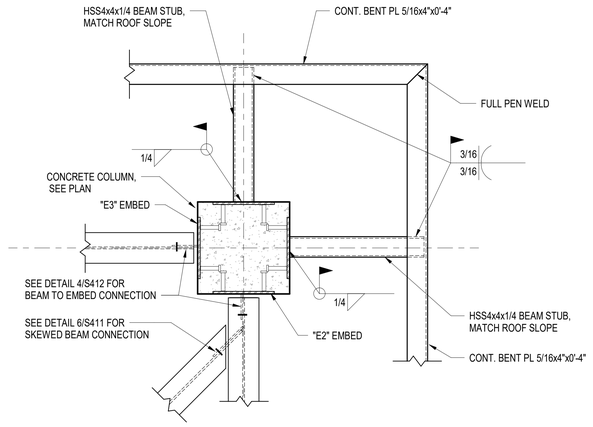


RTU PARALLEL TO JOISTS

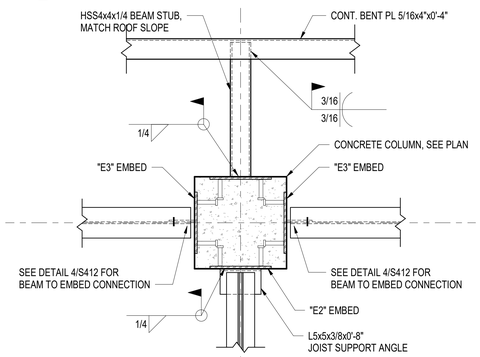
13 TYPICAL DETAIL - RTU SUPPORT AT ROOF
3/8" = 1'-0"



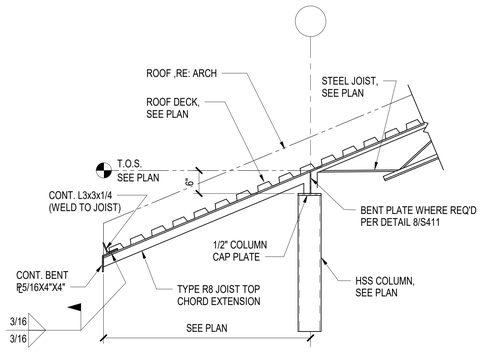
11 TYPICAL DETAIL - PLAN VIEW AT CORNER STEEL COLUMN TO BEAM CONNECTION
1" = 1'-0"



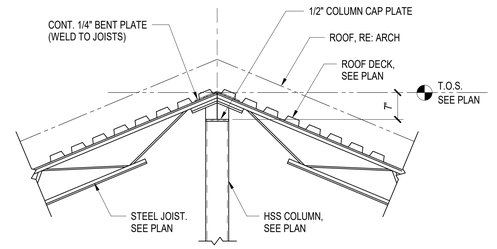
10 TYPICAL DETAIL - PLAN VIEW AT BEAM/JOIST TO CONCRETE COLUMN CONNECTION
1" = 1'-0"



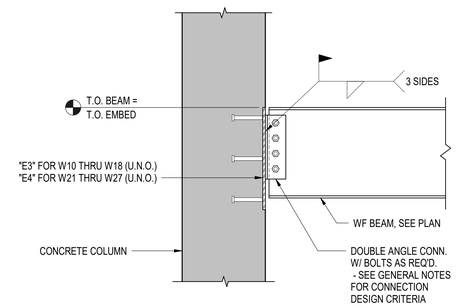
9 TYPICAL DETAIL - PLAN VIEW AT BEAM/JOIST TO CONCRETE COLUMN CONNECTION
1" = 1'-0"



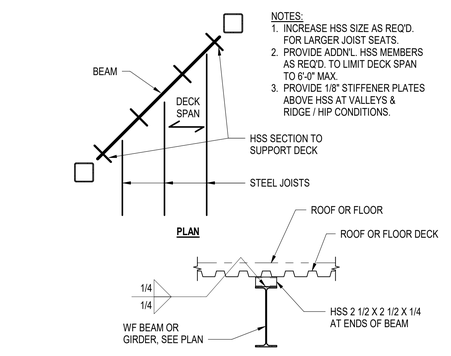
6 DETAIL AT EAVE BEAM
3/4" = 1'-0"



5 DETAIL AT JOIST BEARING AT RIDGE COLUMN
3/4" = 1'-0"



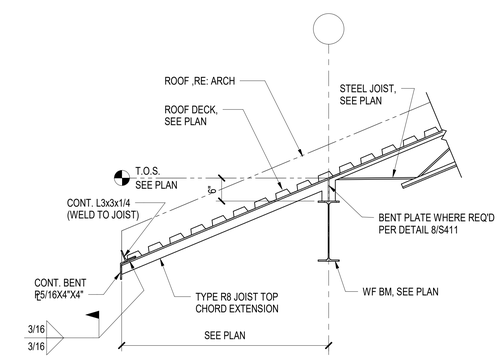
4 TYPICAL DETAIL - WF BEAM TO CONCRETE COLUMNS
1" = 1'-0"



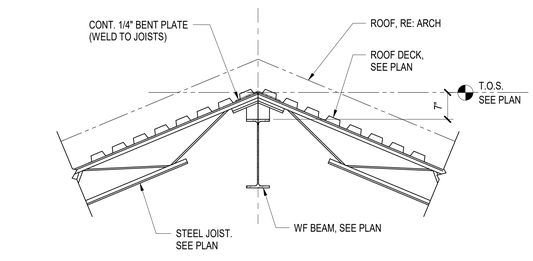
PLAN

SECTION

3 TYPICAL DETAIL - DECK SUPPORT AT SKEWED BEAM
3/4" = 1'-0"



2 DETAIL AT EAVE BEAM
3/4" = 1'-0"



1 DETAIL AT RIDGE BEAM
3/4" = 1'-0"

ENERGY ARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

PINNACLE
STRUCTURAL ENGINEERS
3120 Southwest Freeway, Suite 410
Houston, TX 77098
713.807.8911 voice
23038

DRAWINGS INCOMPLETE
This document for Review Only.
Not intended for permitting, bidding
or construction purposes.
PINNACLE STRUCTURAL ENGINEERS
LOUISIANA FIRM LICENSE #4141
Heath H. Michel
39291
06.21.2024

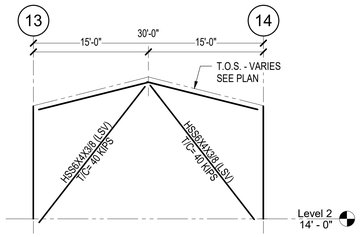
CAMERON PARISH PILOT'S LODGE
DAVIS RD
CAMERON, LA 70631

REV	DATE	DESCRIPTION
	06.21.2024	PROGRESS SET

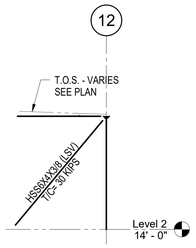
EA PROJECT NUMBER : 20039
ARCHITECT :
LICENSE # :

STEEL FRAMING DETAILS

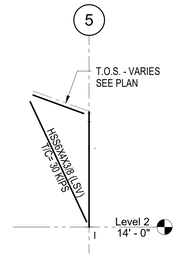
S412



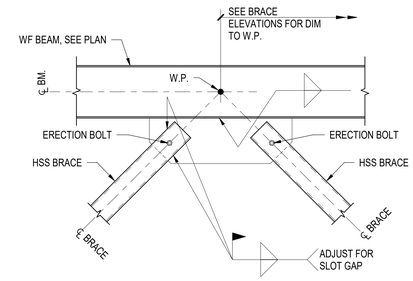
16 BRACE M
1/8" = 1'-0"



12 BRACE H
1/8" = 1'-0"

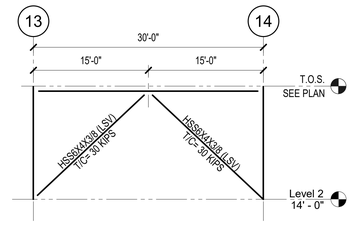


8 BRACE D
1/8" = 1'-0"

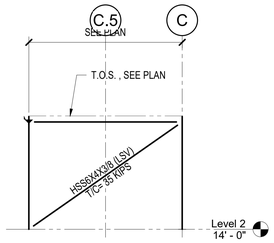


NOTE:
SEE 1/S501 FOR TYPICAL BRACE NOTES.

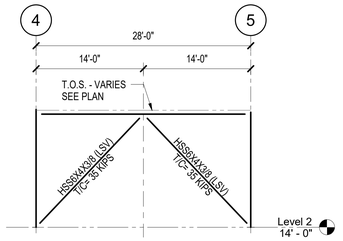
4 TYPICAL DETAIL - BRACE CONNECTION
3/4" = 1'-0"



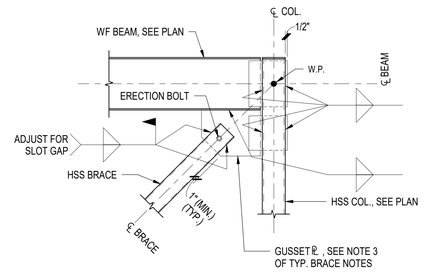
15 BRACE L
1/8" = 1'-0"



11 BRACE G
1/8" = 1'-0"

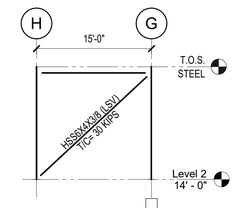


7 BRACE C
1/8" = 1'-0"

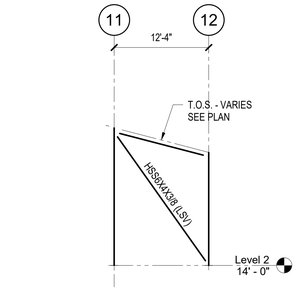


NOTE:
1. SEE 1/S501 FOR TYPICAL BRACE NOTES.
2. BEAM & GUSSET MAY BE BOLTED OR FIELD WELDED TO THE COLUMN.

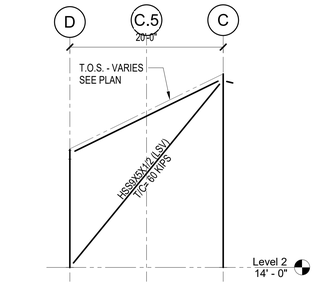
3 TYPICAL DETAIL - BRACE CONNECTION
3/4" = 1'-0"



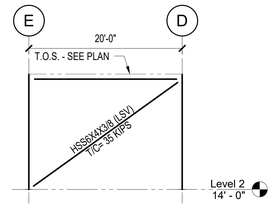
18 BRACE P
1/8" = 1'-0"



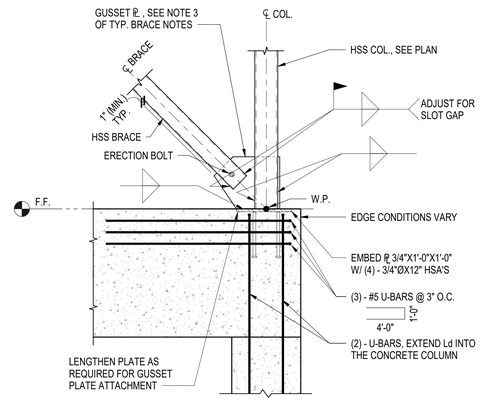
14 BRACE K
1/8" = 1'-0"



10 BRACE F
1/8" = 1'-0"

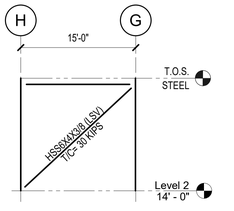


6 BRACE B
1/8" = 1'-0"

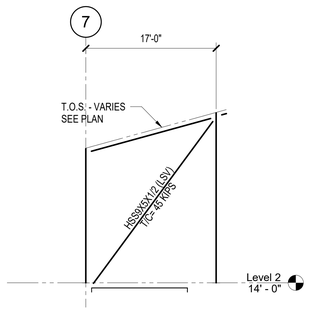


NOTE:
SEE 1/S501 FOR TYPICAL BRACE NOTES.

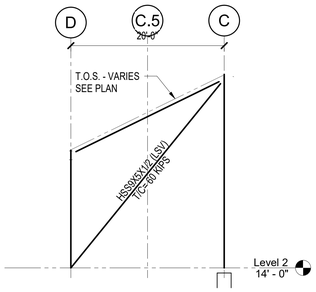
2 TYPICAL DETAIL - BRACE CONNECTION
3/4" = 1'-0"



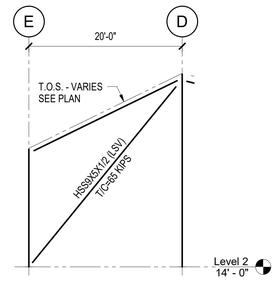
17 BRACE N
1/8" = 1'-0"



13 BRACE J
1/8" = 1'-0"



9 BRACE E
1/8" = 1'-0"



5 BRACE A
1/8" = 1'-0"

TYPICAL BRACE NOTES:

1. **REFER TO BRACE ELEVATIONS FOR BRACE SIZES & FORCES.**
2. **IF NOT PROVIDED, U.N.O., THE BRACE FORCE SHALL BE THE MAXIMUM TENSION AND / OR COMPRESSION CAPACITY OF THE BRACE. IF BRACE FORCES ARE SHOWN, THEY ARE FACTORED LOADS (LRFD).**
3. **GUSSET PLATES SHALL BE CENTERED ON STEEL BEAM & DESIGNED TO DEVELOP BRACE FORCE.**
4. **BOLTS & WELDS SHALL BE DESIGNED BY THE FABRICATOR FOR THE VERTICAL & THE HORIZONTAL COMPONENTS OF THE BRACE FORCE INCLUDING THE EFFECT OF THE ECCENTRICITY. THE MINIMUM SIZE FILLET WELD SHALL BE 1/4".**

1 BRACE NOTES
1" = 1'-0"

ENERGY ARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

PINNACLE
STRUCTURAL ENGINEERS
3120 Southwest Freeway, Suite 410
Houston, TX 77098
713.807.8911 voice
23038

DRAWINGS INCOMPLETE
This document for Review Only.
Not intended for permitting, bidding or construction purposes.
PINNACLE STRUCTURAL ENGINEERS
LOUISIANA FIRM LICENSE #4141
Heath H. Michel
39291
06.21.2024

CAMERON PARISH PILOT'S LODGE
DAVIS RD
CAMERON, LA 70631

REV	DATE	DESCRIPTION
	06.21.2024	PROGRESS SET

EA PROJECT NUMBER : 20039
ARCHITECT :
LICENSE # :

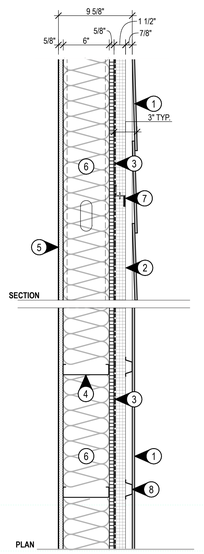
BRACE ELEVATIONS AND DETAILS

S501

EXTERIOR WALL ASSEMBLIES

WA1

1. FIBER-CEMENT SIDING, RE: ELEVATIONS FOR SIZES
2. RIGID INSULATION
3. CONT AIR BARRIER ON EXTERIOR GYP SHEATHING
4. 6" CFMF STUD, 18 GA, 16 OC., RE: STRUCT
5. GYPSUM BOARD
6. BATT INSULATION
7. SUB-FRAMING THERMAL SPACER
8. 7/8" 16 GA FURRING CHANNEL (HAT OR Z SHAPE) FASTENED TO INSULATION GIRTS @ 16" O.C. MAX AND @ VERTICAL REVEALS, RE: ELEVS & DETAILS.

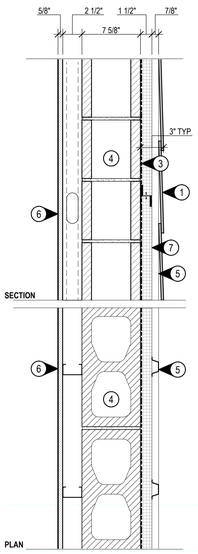


WA2

1. FIBER-CEMENT SIDING, RE: ELEVATIONS FOR SIZES
3. CONT WEATHER BARRIER OVER CMU
4. CMU, RE: STRUCT
5. 7/8" 16 GA FURRING CHANNEL (HAT OR Z SHAPE) FASTENED TO INSULATION GIRTS @ 16" O.C. MAX AND @ VERTICAL REVEALS, RE: ELEVS & DETAILS.
6. SCHEDULE PARTITION, RE: PLAN FOR LOCATIONS
7. POLYISO INSULATION OR R-5.7 CI MIN

OVERALL ASSEMBLY TO MEET 0.18 U-FACTOR MIN
PROPOSED OVERALL ASSEMBLY TO MEET 0.07 U-FACTOR

PROVIDE FLASHINGS AT ALL TERMINATION LOCATIONS PER MFR RECOMMENDATIONS

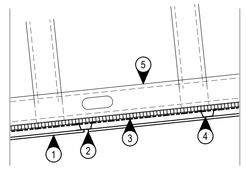


SOFFIT ASSEMBLIES

SA1

1. CEMENTITIOUS PANELS, RE: RCP
   BASIS OF DESIGN: JAMES HARDIE - HARDIE PANEL SMOOTH OR COMPARABLE, PRODUCT TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATION TO MEET WIND LOAD REQUIREMENTS FOR THE PROJECT
2. EXTRUDED ALUMINUM REVEAL BY CEMENTITIOUS PANEL MANUF
3. CONT AIR BARRIER OVER EXTERIOR GYP SHEATHING
4. 7/8" 16 GA FURRING CHANNEL (HAT OR Z SHAPE) FASTENED TO CFMF @ 16" O.C. MAX AND @ HORIZONTAL REVEALS, RE: ELEVS & DETAILS.
5. COLD-FORMED METAL FRAMING, RE: STRUCT

PROVIDE FLASHINGS AT ALL TERMINATION LOCATIONS PER MFR RECOMMENDATIONS



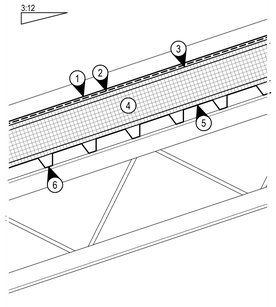
ROOF ASSEMBLIES

RA-1

OVERALL U FACTOR = 0.0344

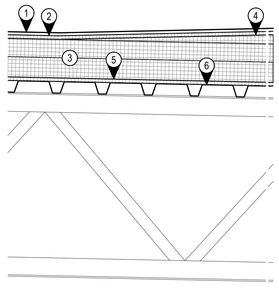
IECC 2021
CLIMATE ZONES 1-7

1. METAL ROOF PANELS
2. METAL ROOFING UNDERLAYMENT
3. 5/8 INCH ROOFING COVER BOARD
4. RIGID ROOFING BOARD INSULATION R-25 MIN (ASHRAE 90.1 (2013))
5. 5/8 INCH DECK SHEATHING
6. MTL DECK ON STEEL FRAMING, RE: STRUCT



RA-2

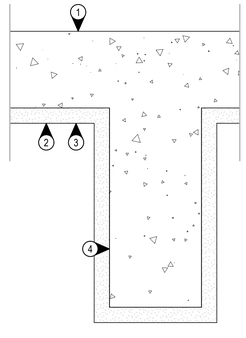
1. SINGLE-PLY ROOFING MEMBRANE
2. 5/8 INCH ROOFING COVER BOARD
3. RIGID ROOFING BOARD INSULATION R-25 MIN
4. TAPERED ROOFING BOARD INSULATION, RE: ROOF PLAN
5. 5/8 INCH DECK SHEATHING
6. MTL DECK ON STEEL FRAMING, RE: STRUCT



FLOOR ASSEMBLIES

FA1

1. STRUCTURAL 2ND FLOOR SLAB; RE STRUCT
2. 2 INCHES OF 2.5 LB CLOSED CELL SPRAY FOAM INSULATION R-VALUE 6.3 CI MIN.
   PREPARE SURFACES AND INSTALL FOAM PER MANUFACTURER'S RECOMMENDATIONS
3. ELASTOMERIC PAINT TO MATCH ADJACENT CONCRETE BEAM FINISH
4. STRUCTURAL 2ND FLOOR BEAM, RE: STRUCT



ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

CAMERON PARISH PILOT'S LODGE
DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
1	6/21/2024	RE-ISSUED FOR BID
0	11/17/2023	INITIAL ISSUE

EA PROJECT NUMBER: 20039
ARCHITECT: ALAN CREECH
LICENSE #: 9820

ALAN CREECH
REG. NO. 9820
REGISTERED ARCHITECT
STATE OF LOUISIANA
11/17/2023

ENVELOPE ASSEMBLIES

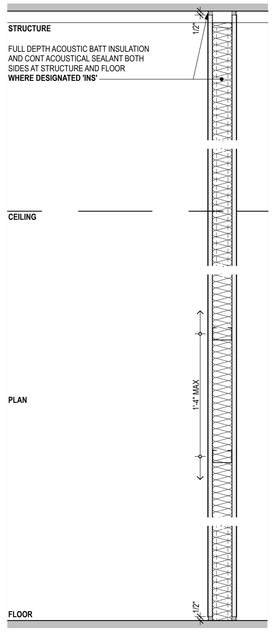
A-001

A

MIN. 25 GAUGE METAL STUDS AT 16" O.C. MAX.
TO UNDERSIDE OF STRUCTURE WITH
ONE LAYER OF 5/8" GYP BOARD EACH SIDE

TYPE	FRAMING MEMBER	PARTITION WIDTH	STC (INSULATED)
A2	250S125-18 (2 1/2")	3 3/4"	38 (45)
A3	362S125-18 (3 5/8")	4 7/8"	43 (48)
A4	400S125-18 (4")	5 1/4"	43 (48)
A6	600S125-18 (6")	7 1/4"	43 (48)

LIMITING HEIGHTS: USE **COMPOSITE** VALUES



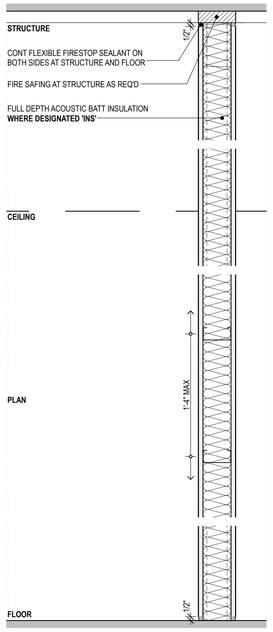
AA

MIN. 18 MIL (25 GAUGE) METAL STUDS AT 16" O.C. MAX.
TO UNDERSIDE OF STRUCTURE WITH
ONE LAYER OF 5/8" GYPSUM BOARD EACH SIDE

1 HR RATED PARTITION - UL U465

TYPE	FRAMING MEMBER	PARTITION WIDTH	STC (INSULATED)
AA3	362S125-18 (3 5/8")	4 7/8"	43 (48)
AA4	400S125-18 (4")	5 1/4"	43 (48)
AA6	600S125-18 (6")	7 1/4"	43 (48)

LIMITING HEIGHTS: USE **COMPOSITE** VALUES

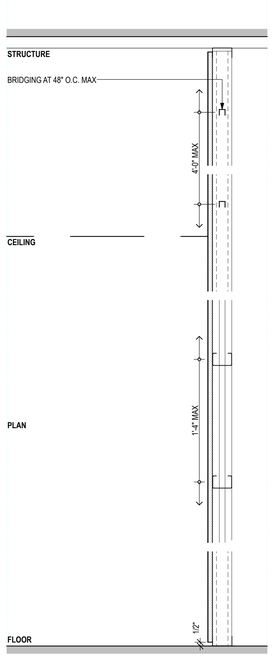


N

MIN. 18 MIL (25 GAUGE) METAL STUDS AT 16" O.C. MAX.
TO UNDERSIDE OF STRUCTURE WITH
ONE LAYER OF 5/8" GYPSUM BOARD FINISHED SIDE

TYPE	FRAMING MEMBER	PARTITION WIDTH	STC (INSULATED)
N2	250S125-18 (2 1/2")	3 1/8"	N/A
N3	362S125-18 (3 5/8")	4 1/4"	
N4	400S125-18 (4")	4 5/8"	
N6	600S125-18 (6")	6 5/8"	

LIMITING HEIGHTS: USE **NON-COMPOSITE BRACED AT 48"** VALUES



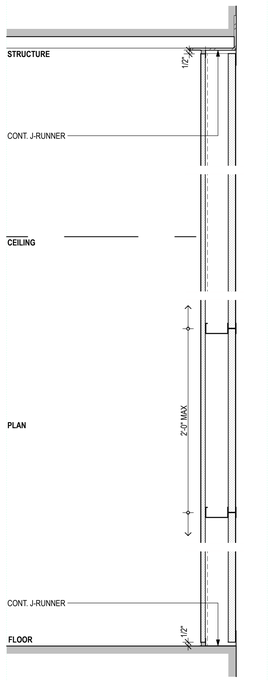
S

MIN. 18 MIL (25 GAUGE) METAL CH STUDS AT 24" O.C. MAX. TO
UNDERSIDE OF STRUCTURE WITH 1" SHAFT WALL LINER AND
ONE LAYER OF 5/8" GYPSUM BOARD AT FINISH SIDE.

1 HR RATED SHAFT WALL - UL U415 A

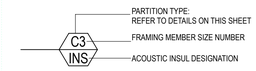
TYPE	FRAMING MEMBER	PARTITION WIDTH	STC (INSULATED)
S2	212CH25-18 (2 1/2")	3 3/4"	
S4	400CH25-18 (4")	5 1/4"	
S6	600CH20-34 (6")	7 1/4"	

LIMITING HEIGHTS: USE **SHAFT WALL - 1 HR** VALUES



PARTITION GENERAL NOTES

1. PROVIDE COMPLETE CONSTRUCTION ASSEMBLIES COMPLYING WITH APPLICABLE LOCAL CODES, ASTM C645, ASTM C754, AND OTHER STANDARDS AS REFERENCED BY THE CONTRACT DOCUMENTS.
2. REFER TO SPECIFICATIONS FOR ADDITIONAL REFERENCE STANDARDS, PRODUCT INFORMATION, AND EXECUTION REQUIREMENTS.
3. REFER TO FLOOR PLANS FOR LOCATION AND EXTENTS OF PARTITIONS. PARTITION TYPES ARE INDICATED WITH THE SYMBOL DESCRIBED BELOW:



4. NOT ALL PARTITION TYPES INDICATED ON THIS SHEET MAY BE USED ON THIS SPECIFIC PHASE OF THE PROJECT.
5. IDENTIFY FIRE AND SMOKE PARTITIONS WITHIN ACCESSIBLE CONCEALED SPACES PER APPLICABLE LOCAL CODES.

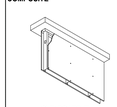
LIMITING HEIGHTS

1. AT CONDITIONS WHERE A PARTITION EXCEEDS THE LIMITING HEIGHT LISTED FOR THAT TYPE, REDUCE STUD SPACING OR PROVIDE HEAVIER GAUGE FRAMING MEMBERS PER TABLE BELOW, OR APPLICABLE LOCAL CODES, WHICHEVER IS MORE STRINGENT. ALTERNATELY, PROVIDE DIAGONAL BRACING TO STRUCTURE AT OR BELOW THE LIMITING HEIGHT, PER PARTITION ATTACHMENT DETAILS.
2. L/240 AND L/360 VALUES ARE FOR 5 PSF LATERAL LOAD. VERIFY AND COMPLY WITH LOCAL CODE REQUIREMENTS.
3. TYPICAL ALLOWABLE DEFLECTION DESIGN CRITERIA RATIO IS L/240. USE L/360 WHERE BRITTLE FINISHES WILL BE APPLIED SUCH AS PLASTER OR TILE.
4. TABLE VALUES ARE FROM SSMA (STEEL STUD MANUFACTURERS ASSOCIATION) TECHNICAL GUIDE (EFFECTIVE 9/5/2014) COMPLYING WITH 2009 AND 2012 IBC, AND ARE PROVIDED FOR REFERENCE ONLY. VERIFY AND COMPLY WITH LOCAL CODE REQUIREMENTS.

PARTITION LIMITING HEIGHTS TABLE

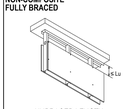
FRAMING MEMBER		COMPOSITE		NON-COMPOSITE BRACED @ 48"		NON-COMPOSITE FULLY BRACED		
SECTION	SP	L/240	L/360	L/240	L/360	L/240	L/360	Lu (in)
162S125-18 (1 5/8")	12	11' 1"	9' 10"	7' 10"	6' 11"	7' 8"	6' 8"	29.0
	16	10' 1"	8' 11"	7' 1"	6' 3"	6' 11"	6' 1"	
	24	8' 9"	7' 9"	5' 11"	5' 5"	6' 1"	5' 4"	
162S125-27	12	11' 8"	10' 2"	9' 0"	7' 10"	8' 11"	7' 10"	29.1
	16	10' 7"	9' 1"	8' 2"	7' 2"	8' 2"	7' 1"	
	24	9' 1"	--	7' 1"	6' 3"	7' 1"	6' 3"	
162S125-30	12	11' 10"	10' 4"	9' 3"	8'1"	9' 3"	8' 1"	29.2
	16	10' 9"	9' 4"	8' 5"	7' 4"	8' 5"	7' 4"	
	24	9' 4"	7' 11"	7' 4"	6' 5"	7' 4"	6' 5"	
250S125-18 (2 1/2")	12	14' 2"	12' 9"	10' 9"	9' 6"	10' 6"	9' 2"	**29.0**
	16	**12' 10"**	**11' 7"**	**9' 8"**	**8' 7"**	**9' 7"**	**8' 4"**	
	24	11' 3"	10' 2"	8' 2"	7' 6"	8' 3"	7' 4"	
250S125-27	12	15' 4"	13' 9"	12' 5"	10' 10"	12' 4"	10' 10"	28.9
	16	13' 11"	12' 5"	11' 3"	9' 11"	11' 3"	9' 10"	
	24	12' 2"	10' 11"	9' 10"	8' 7"	9' 10"	8' 7"	
250S125-30	12	15' 10"	14' 1"	12' 10"	11' 3"	12' 9"	11' 2"	28.9
	16	14' 5"	12' 10"	11' 8"	10' 2"	11' 7"	10' 2"	
	24	12' 7"	11' 2"	10' 2"	8' 11"	10' 2"	8' 10"	
362S125-18 (3 5/8")	12	16' 8"	14' 7"	13' 1"	12' 7"	14' 0"	12' 6"	**28.8**
	16	**15' 2"**	**13' 3"**	**11' 4"**	**9' 3"**	**12' 2"**	**11' 4"**	
	24	13' 2"	11' 6"	9' 3"	9' 3"	9' 11"	9' 11"	
362S125-27	12	18'-2"	15'-10"	16' 6"	14' 6"	16' 6"	14' 5"	28.6
	16	16'-6"	14'-5"	15' 0"	13' 2"	15' 0"	13' 1"	
	24	14'-5"	12'-6"	12' 5"	11' 5"	13' 1"	11' 5"	
362S125-30	12	18' 3"	16' 4"	17' 1"	14' 11"	17' 0"	14' 10"	28.6
	16	16' 7"	14' 10"	15' 6"	13' 7"	15' 6"	13' 6"	
	24	14' 6"	12' 11"	13' 4"	11' 10"	13' 6"	11' 10"	
400S125-18 (4")	12	17' 6"	15' 4"	13' 9"	13' 7"	14' 9"	13' 6"	**28.7**
	16	**15' 11"**	**13' 11"**	**11' 11"**	**11' 11"**	**12' 10"**	**12' 3"**	
	24	13' 8"	12' 2"	9' 9"	9' 9"	10' 5"	10' 5"	
400S125-27	12	19' 5"	17' 0"	17' 10"	15' 8"	17' 10"	15' 7"	28.5
	16	17' 8"	15' 5"	16' 1"	14' 2"	16' 2"	14' 2"	
	24	15' 5"	13' 6"	13' 1"	12' 4"	14' 1"	12' 4"	
400S125-30	12	19' 5"	17' 0"	18' 5"	16' 2"	18' 5"	16' 1"	28.5
	16	17' 8"	15' 5"	16' 9"	14' 8"	16' 8"	14' 7"	
	24	15' 5"	13' 6"	14' 1"	12' 10"	14' 7"	12' 9"	
600S125-18 (6")	12	22' 9"	19' 11"					
	16	**20' 1"**	**18' 1"**					
	24	16' 4"	15' 10"					
600S125-27	12	26' 0"	23' 5"	24' 5"	21' 6"	24' 4"	21' 3"	**27.7**
	16	24' 4"	21' 3"	**21' 5"**	**19' 6"**	**21' 6"**	**19' 4"**	
	24	21' 3"	18' 7"	17' 6"	17' 0"	17' 7"	16' 10"	
600S125-30	12	27' 1"	23' 6"	25' 4"	22' 4"	25' 2"	22' 0"	27.6
	16	24' 7"	21' 6"	23' 0"	20' 3"	22' 11"	20' 0"	
	24	21' 6"	18' 9"	18' 10"	17' 7"	18' 11"	17' 6"	
SHAFT WALL - 1 HR								
212CH25-18	24	10' 7"	9' 4"					
400CH25-18	24	14' 5"	12' 9"					
600CH20-34	24	15' 2"	14' 8"					
SHAFT WALL - 2 HR								
212CH25-18	24	11' 2"	9' 10"					
400CH25-18	24	15' 7"	13' 11"					
600CH20-34	24	21' 9"	20' 0"					

COMPOSITE



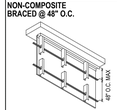
GYP BOARD FULL HEIGHT BOTH SIDES

NON-COMPOSITE FULLY BRACED

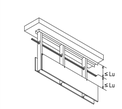


UNBRACED LENGTH LESS THAN Lu

NON-COMPOSITE BRACED @ 48" O.C.



GYP BOARD FULL HEIGHT ONE SIDE



BRACING SPACING ABOVE GYP BOARD IS LESS THAN Lu

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

CAMERON PARISH PILOT'S LODGE

DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
1	6/21/2024	RE-ISSUED FOR BID
0	11/17/2023	INITIAL ISSUE

EA PROJECT NUMBER: 20039
ARCHITECT: ALAN CREECH
LICENSE #: 9820

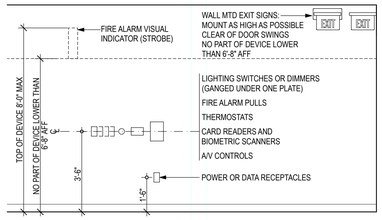
ALAN CREECH
#9820 NO. 9820
REGISTERED ARCHITECT
STATE OF LOUISIANA
11/17/2023

INTERIOR PARTITION TYPES

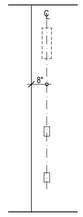
A-002

TYP MOUNTING HEIGHTS

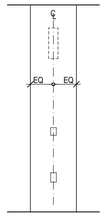
AT WALLS



TYP WALL CONDITIONS

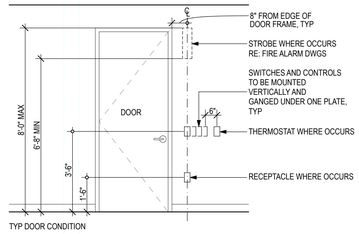


CORNER CONDITION

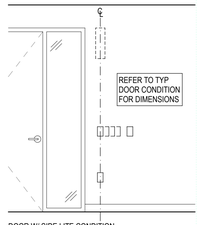


COLUMN CONDITION

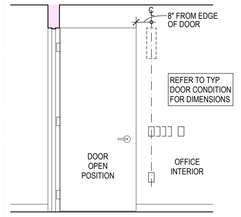
AT DOORS



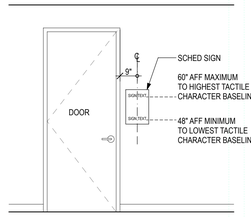
TYP DOOR CONDITION



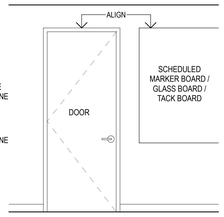
DOOR W/ SIDE LITE CONDITION (NON-OFFICE)



TYP OFFICE INTERIOR CONDITION

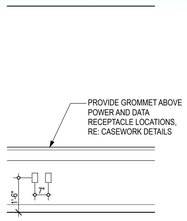


ROOM SIGNAGE

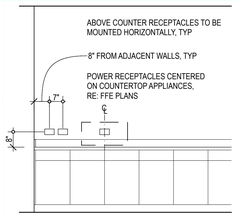


VISUAL DISPLAY BOARD

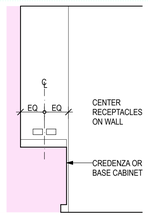
AT CASEWORK



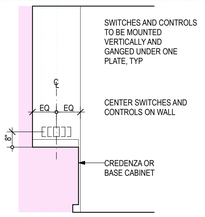
RECEPTACLES BELOW COUNTERTOP



RECEPTACLES ABOVE COUNTERTOP

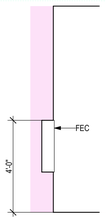


RECEPTACLES AT ADJACENT WALLS

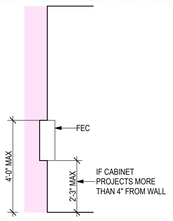


SWITCHES AND CONTROLS AT ADJACENT WALLS

FIRE EXTINGUISHER CABINETS

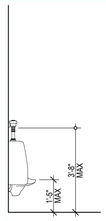


RECESSED FIRE EXTINGUISHER CABINET

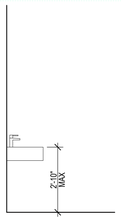


RECESSED FIRE EXTINGUISHER CABINET

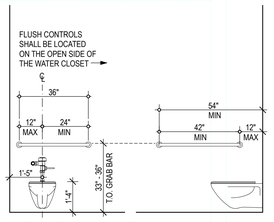
ACCESSIBLE (ADA) PLUMBING FIXTURES



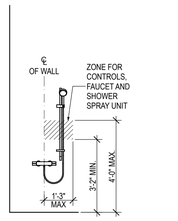
ACCESSIBLE URINAL



ACCESSIBLE LAVATORY



ACCESSIBLE TOILET AND GRAB BARS



ACCESSIBLE SHOWER HEAD @ CONTROL WALL

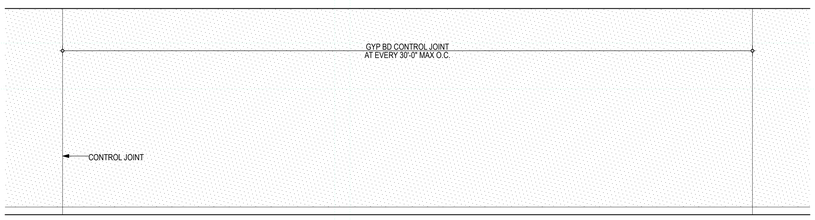
GYP BD CONTROL JOINTS

CONTROL JOINT INFO

CONTROL JOINTS - 1/4" ALUMINUM CHANNEL, PAINTED

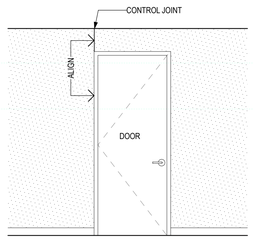
REFERENCE FLOOR PLAN, CEILING PLAN, AND INTERIOR ELEVATIONS FOR ALL GYP BD CONTROL JOINT LOCATIONS

AT WALLS



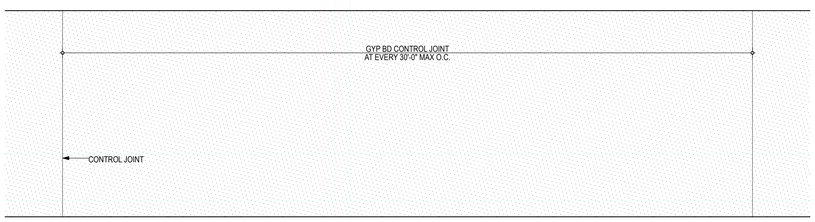
TYP WALL CONDITION, WHERE JOINTS AREN'T SPECIFIED ON FLOOR PLAN / INTERIOR ELEVATIONS

AT DOORS



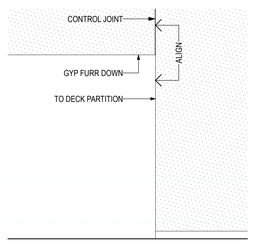
TYP DOOR CONDITION

AT CEILINGS



TYP CEILING CONDITION, WHERE JOINTS AREN'T SPECIFIED ON CEILING PLAN / INTERIOR ELEVATIONS

AT GYP FURR DOWN



TYP GYP FURR DOWN CONDITION

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

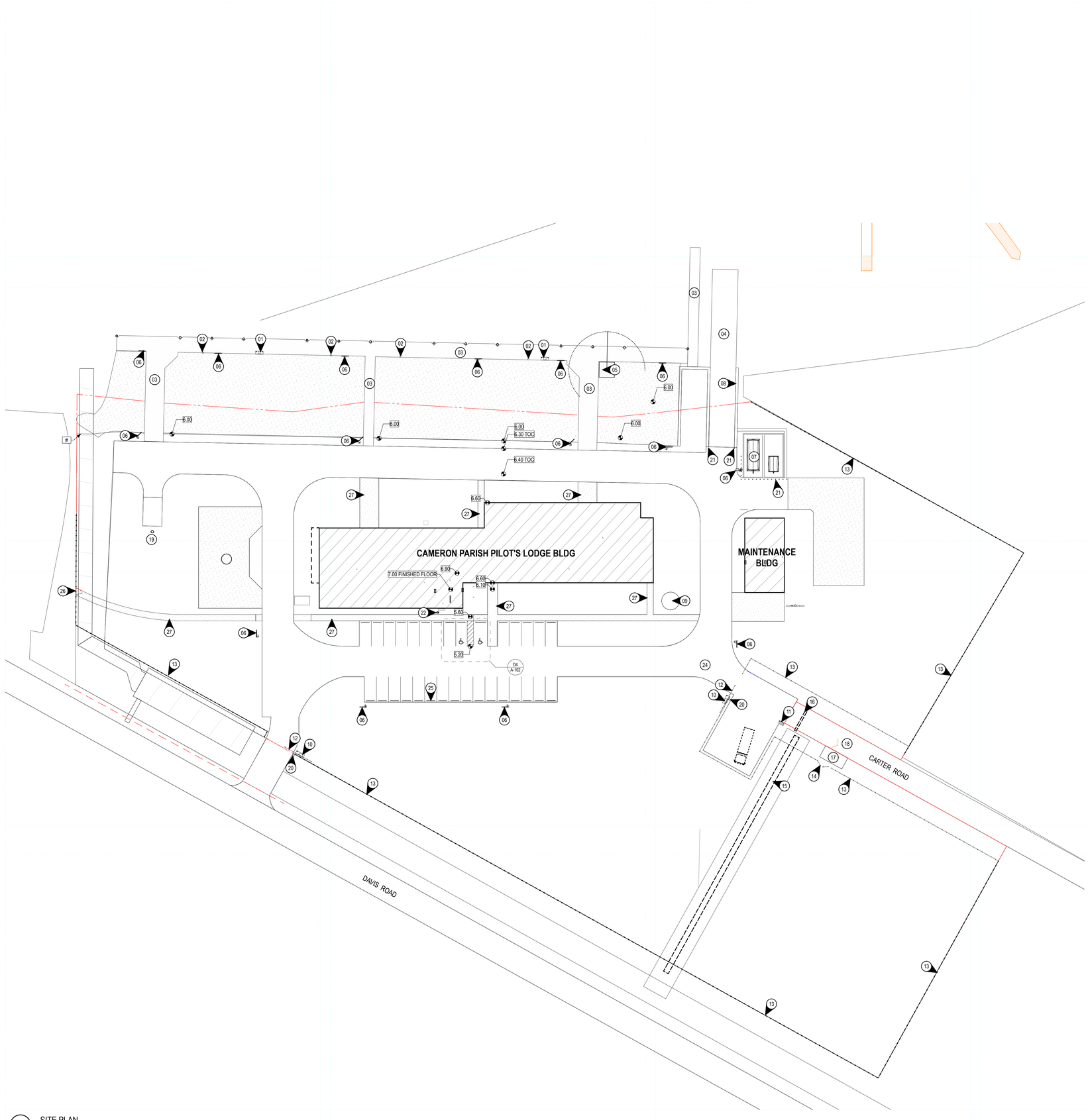
CAMERON PARISH PILOT'S LODGE
DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
1	6/21/2024	RE-ISSUED FOR BID
0	11/17/2023	INITIAL ISSUE

EA PROJECT NUMBER: 20039
ARCHITECT: ALAN CREECH
LICENSE #: 9820

ALAN CREECH
REG. NO. 9820
REGISTERED ARCHITECT
STATE OF LOUISIANA
11/17/2023

MOUNTING INFO
A-003



A1 SITE PLAN
SCALE: 1/32" = 1'-0"

SITE PLAN NOTES

GRAPHIC LEGEND

- NO WORK IN THIS AREA
- PLANTING AREA, RE: LANDSCAPE
- GRAVEL AREA, RE: LANDSCAPE
- CONC FLATWORK, PEDESTRIAN RE: CIVIL
- CONC FLATWORK, VEHICULAR RE: CIVIL
- NEW OFFICE BUILDING
- ADA PARKING STRIPING TO REMAIN
- RIP RAP. REFER TO CIVIL DRAWINGS

GENERAL NOTES

A. ELEVATIONS OUTSIDE THE BUILDING SHOWN FOR GENERAL COORDINATION. RE: CIVIL FOR FINAL GRADE INFORMATION.

B. CHANGES TO FINISH PAVEMENT ELEVATIONS TO MAINTAIN 0.25% MINIMUM GRADE.

C. RE: CIVIL DRAWINGS FOR SPECIFIC LOCATIONS OF EXPANSION JOINTS. ALL OTHER EXPANSION JOINT LAYOUTS IN REINFORCED CONCRETE ARE TO BE FURNISHED BY THE CONTRACTOR FOR REVIEW BY THE ARCHITECT AND TO COMPLY WITH THE FOLLOWING.

1. EXPANSION JOINT TO TERMINATE PERPENDICULAR PAVEMENT EDGE.
2. CURVED WALKWAY EXPANSION JOINTS TO TERMINATE PERPENDICULAR TO PAVEMENT EDGE AND JOINT TO BE IN LINE WITH RADIUS ORIGIN.
3. NO JOINTS OF ANY TYPE WITHIN 5'-0" CLEAN-OUT OR INLETS.
4. SAWED JOINTS TO BE USED FOR CONTROLLED JOINTS. SURFACE AREAS BORDERED BY CONTROL JOINTS AND/OR PAVEMENT EDGES NOT EXCEED 500 SQ FT.
5. MAXIMUM SURFACE AREA FOR EXPANSION JOINTS NOT TO EXCEED 1500 SQ FT.

D. RE: TOPOGRAPHIC SURVEY FOR PROPERTY LINE BEARINGS AND DISTANCES.

E. TREES ARE NOT SHOWN FOR CLARITY.

F. RE: CIVIL FOR DRAINAGE PLANS

KEYED NOTES

01 FUEL PUMP STATION BY OTHERS
02 POWER PEDESTAL
03 PIER BY OTHERS
04 BOAT RAMP BY OTHERS
05 DAVIT CRANE BY OTHERS
06 SITE LIGHTING, RE: ELEC
07 FUEL TANK AND CONTAINMENT BY OTHERS
08 RETAINING WALL BY OTHERS
09 FLAG POLE, RE: CIVIL
10 GATE OPERATOR
11 CARD READER
12 SLIDING GATE
13 6 FT CHAIN-LINK FENCE WITH BARBED WIRED STRING
14 10 FT MANUAL GATE
15 DITCH BY OTHERS
16 CULVERT BY OTHERS
17 DRIVEWAY BY OTHERS
18 DRIVEWAY REPAIRS BY OTHERS
19 MONOPOLE TOWER BY OTHERS
20 911/FAIL SAFE BOX THIS SIDE
21 STEEL BOLLARD BY OTHERS
22 EV CHARGING STATION, RE: SITE PLAN DETAILS
23 LIFT STATION BY OTHERS
24 FIRE APPARATUS ACCESS LANE
25 WHEEL STOPS, TYP. BY OTHERS
26 5' WIDE MANUAL GATE
27 CONCRETE SIDEWALK BY OTHERS

PARKING COUNTS

PARKING	26 REQUIRED	29 PROVIDED
ADA PARKING	2 MIN REQ. (1 VAN MIN)	2 PROVIDED.

CODES:
CITY OF BATON ROUGE LOUISIANA PARKING REQUIREMENT (UNIFIED DEVELOPMENT CODE - CH. 17)
2010 ADA STANDARDS

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

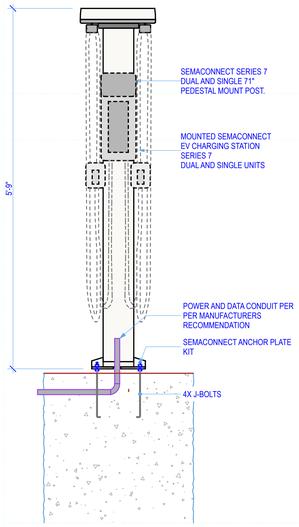
CAMERON PARISH PILOT'S LODGE
DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
1	6/21/2024	RE-ISSUED FOR BID
0	11/17/2023	INITIAL ISSUE

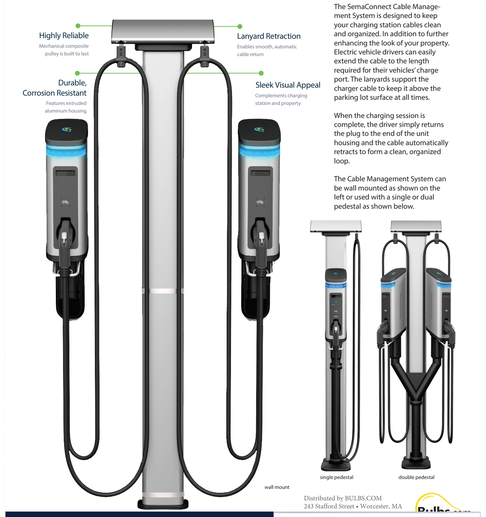
EA PROJECT NUMBER: 20039
ARCHITECT: ALAN CREECH
LICENSE #: 9820

ALAN CREECH
#9820
REGISTERED ARCHITECT
STATE OF LOUISIANA
11/17/2023

SITE PLAN
A-101



EV PARKING CABLE MANAGEMENT

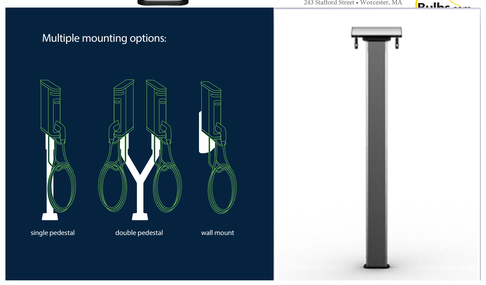


The SemaConnect Cable Management System is designed to keep your charging station cables clean and organized. In addition to further enhancing the look of your property. Electric vehicle drivers can easily extend the cable to the length required for their vehicles' charge port. The lanyards support the charger cable to keep it above the parking lot surface at all times.

When the charging session is complete, the driver simply returns the plug to the end of the unit housing and the cable automatically retracts to form a clean, organized loop.

The Cable Management System can be wall mounted as shown on the left or used with a single or dual pedestal as shown below.

Distributed by BULBS.COM
243 Stafford Street • Worcester, MA



EV PARKING CHARGERS

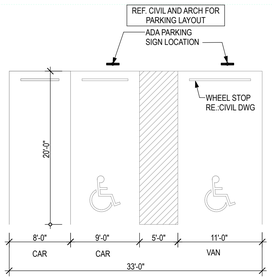
SemaConnect
A Bline Charging Company

Series 7 Plus EV Charging Station: Technical Specifications

- 4G LTE Wireless Technology
- Rugged Aluminum Enclosure
- Interactive LED Lights
- Four-Line backlit LCD Screen
- Built-In Electricity Metering
- Two Universal J1772™ Plugs
- Convenient Access Panel
- API Integration

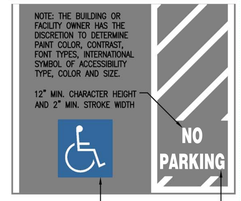
Configuration	
Number of Ports	Two
AC Current, Maximum (Per Port)	80A
Camera	Optional feature for future use
Electrical	
AC Power Output, Maximum (Per Port)	Level II: 19.2 kW (240VAC@80A) or 16.64 kW (208VAC@80A)
AC Power Input (Per Port)	Level II: 80A; Line 1, Line 2, and GND (no neutral)
Input Connector	Hardwired
Vehicle to Charger Connection (Per Port)	SAE J1772 EV Connector
Energy Metering Accuracy	+/- 1%
Standby Power (Per Port)	3.46 W Typical
Service Panel Breaker (Per Port)	Dual-pole common trip 100A breaker, dedicated circuit
ENERGY STAR	Compliant
California Type Evaluation Program (CTEP) Compliance	California Code of Regulations (CCR) National Institute Standards and Technology (NIST) Handbook 44 Section 3.40
Safety	
Safety, Ground Fault Circuit Interrupt	20mA CCID with auto retry (every 15 seconds)
Automatic Plug-Out Detection	Power terminated per SAE J1772 spec; SMS or email notification
Surge Protection	6kV @ 3,000A
Safety Compliance	UL 2231-1, 2231-2, UL 2594, and NEC Article 625
EMI Compliance	FCC Part 15 Class A
Network	
Data Communication	Cellular 4G LTE
Communication Protocol	OCPP Compliant
Firmware Management	Over-the-Air (OTA) update enabled
User Interaction	
LED Array	High visibility, multi-color visual status indication
Display	LCD Screen - 4 line, 20 characters per line
RFID Reader	ISO14443 Type A & B, MiFare, Felica; NFC, ISO15693
Environmental	
Enclosure	Aluminum, NEMA 3R outdoor rated
Operating Humidity	Up to 95% non-condensing
Operating Temperature	-30 degree C to +50 degree C ambient
Mechanical	
Dimensions	20.5" H x 7.4" W x 7.4" D
Approximate Weights	Device: 21 lbs., pedestal mount: 12.5 lbs., wall mount bracket: 11.5 lbs.
Installation	Indoor / Outdoor
Mounting Option	Integrated wall and pedestal mount
Cable Length	18 ft. standard, 25 ft. optional
Cable Organizer	Optional

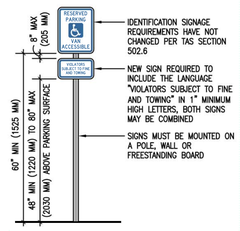
Distributed by BULBS.COM
243 Stafford Street • Worcester, MA 01603
888.455.2800 • bulbs.com

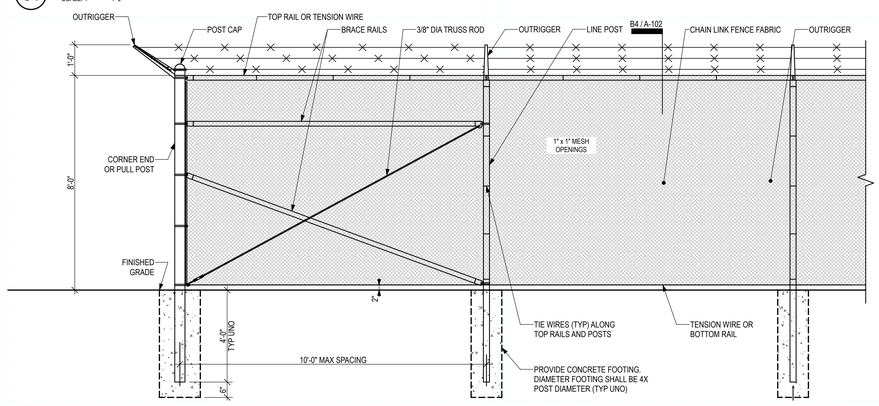


D4 ADA REQUIREMENTS
SCALE: 1/8" = 1'-0"

ADA NOTES

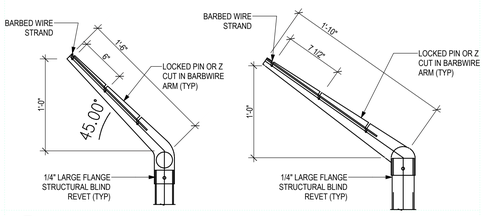




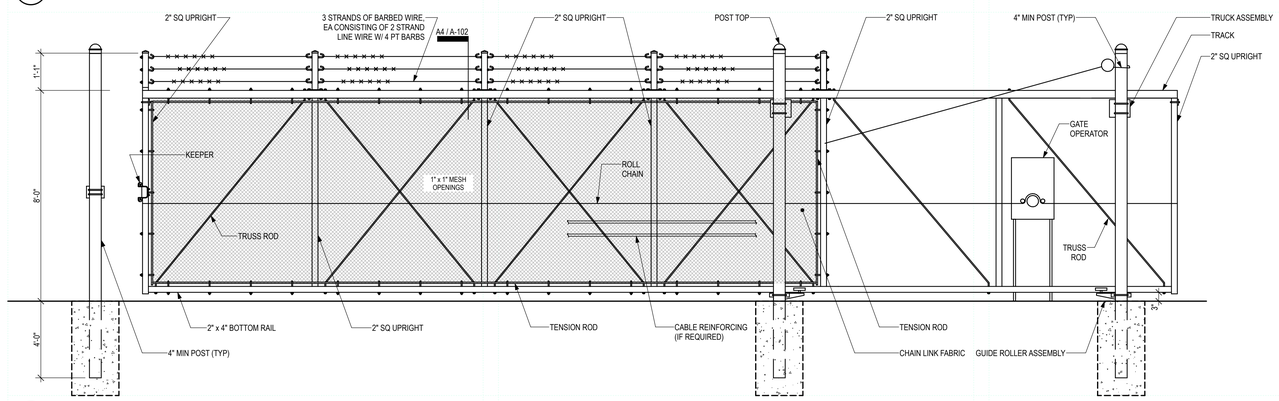


C1 EV
SCALE: 1" = 1'-0"

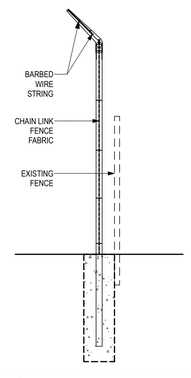
B1 TYPICAL FENCE AND CORNER PANEL ELEVATION
SCALE: 1/2" = 1'-0"



B4 FENCE OUTRIGGER DETAIL
SCALE: 1 1/2"= 1'-0"



A1 CANTILEVERED GATE ELEVATION
SCALE: 1/2" = 1'-0"



A4 TYPICAL FENCE SECTION
SCALE: 1/2" = 1'-0"

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

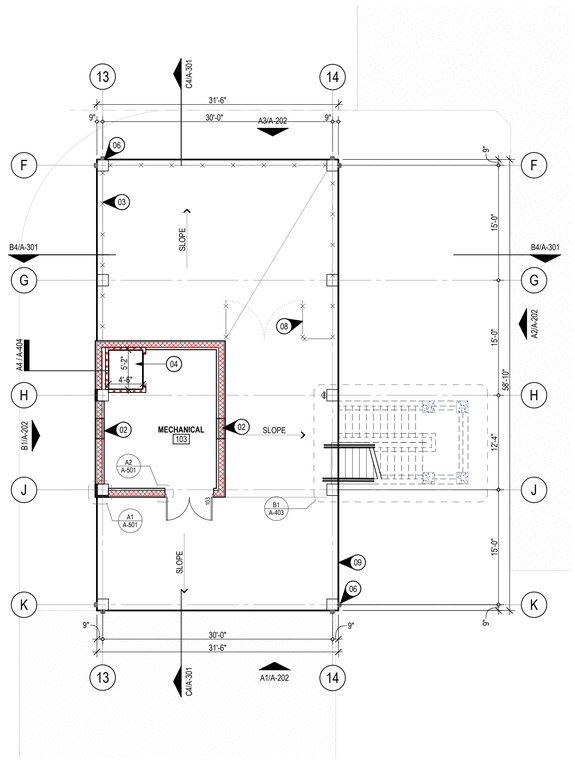
CAMERON PARISH PILOT'S LODGE
DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
1	6/21/2024	RE-ISSUED FOR BID
0	11/17/2023	INITIAL ISSUE

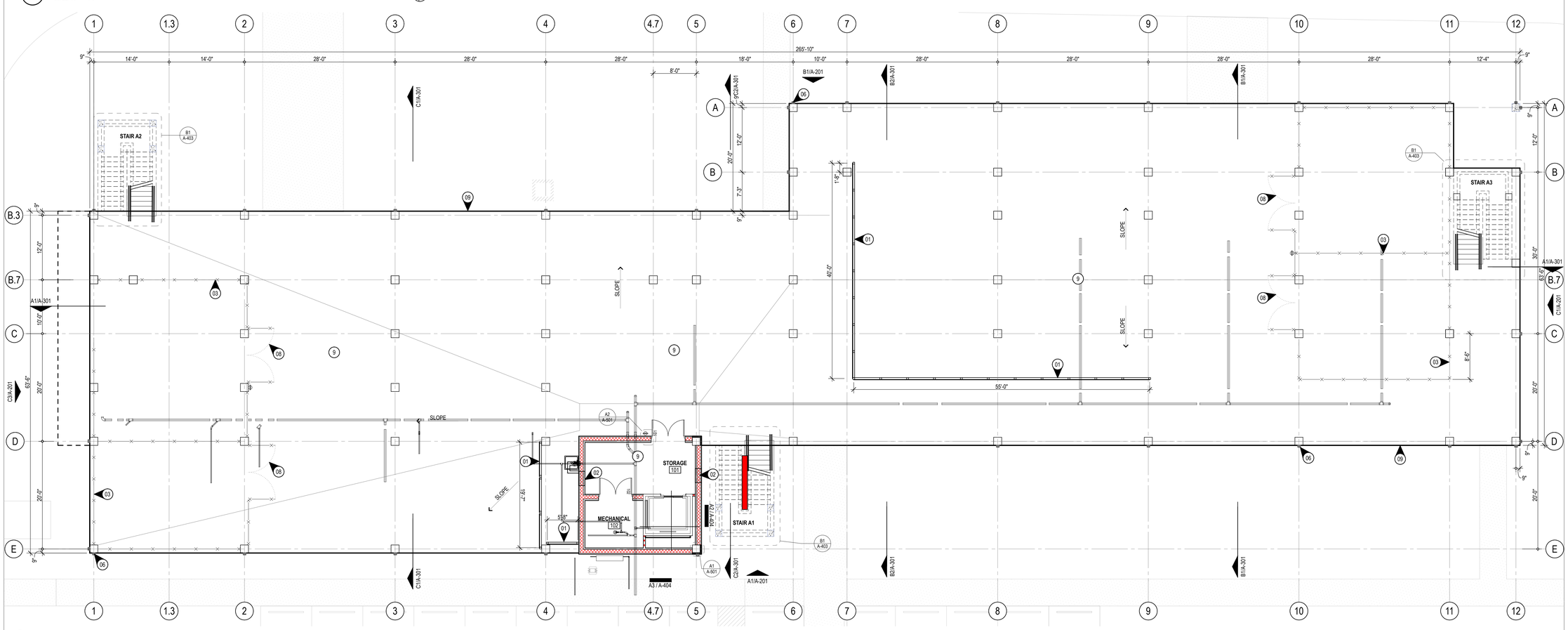
EA PROJECT NUMBER: 20039
ARCHITECT: ALAN CREECH
LICENSE #: 9820

ALAN CREECH
REG. NO. 9820
REGISTERED ARCHITECT
STATE OF LOUISIANA
11/17/2023

SITE PLAN DETAILS
A-102



C1 1ST FLOOR PLAN
SCALE: 1/8" = 1'-0"



A1 1ST FLOOR PLAN
SCALE: 1/8" = 1'-0"

FLOOR PLAN NOTES

GRAPHIC LEGEND

ROOM NAME
101
ROOM IDENTIFICATION

PARTITIONS
REFER TO INTERIOR PARTITION TYPES
A-000 SERIES

PARTITION TYPE
1 HR RATED
2 HR RATED
3 HR RATED
4 HR RATED
FIRE-RATED PARTITIONS

OPENINGS

101
DOOR ID
A-610 SERIES

F-
FRAMED OPENING TYPE
A-600 SERIES

ELEVATION, SECTION, DETAIL MARKERS

ITEM / SHEET
BUILDING ELEVATIONS
A-200 SERIES

ITEM / SHEET ITEM / SHEET
BUILDING SECTIONS
A-300 SERIES

ITEM / SHEET
WALL SECTIONS
A-310 SERIES

ITEM / SHEET
INTERIOR ELEVATIONS
A-400 SERIES

ITEM
SHEET
ENLARGED DETAIL
A-500 SERIES

KEYED NOTES

01 SCREEN WALL, RE: SHEET A-203, TYP
02 FLOOD VENTS, TYP
03 6' - 0" HIGH CHAIN LINK FENCE
04 62" X 54" DUMBWAITER SHAFT OPENING
05 PROVIDE NEW CONCRETE SPLASH BLOCKS
06 5" X 6" PREFINISHED GALVANIZED DOWNSPOUTS U.N.O., RE: ROOF PLAN
07 ALUM ATTIC LADDER
08 10 FT MANUAL CHAIN LINK GATE, 6FT HIGH.
09 EDGE OF CONC SLAB, RE: CIVIL
10 RE: LANDSCAPE FOR OUTDOOR KITCHEN

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

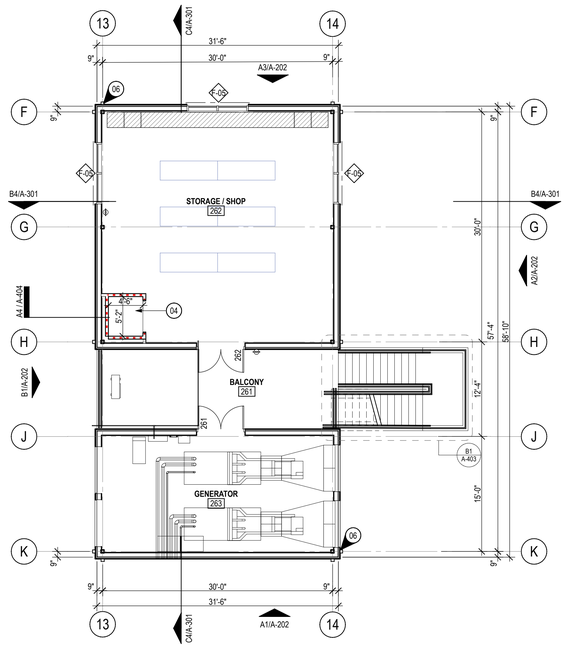
CAMERON PARISH PILOT'S LODGE
DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
1	6/21/2024	RE-ISSUED FOR BID
0	11/17/2023	INITIAL ISSUE

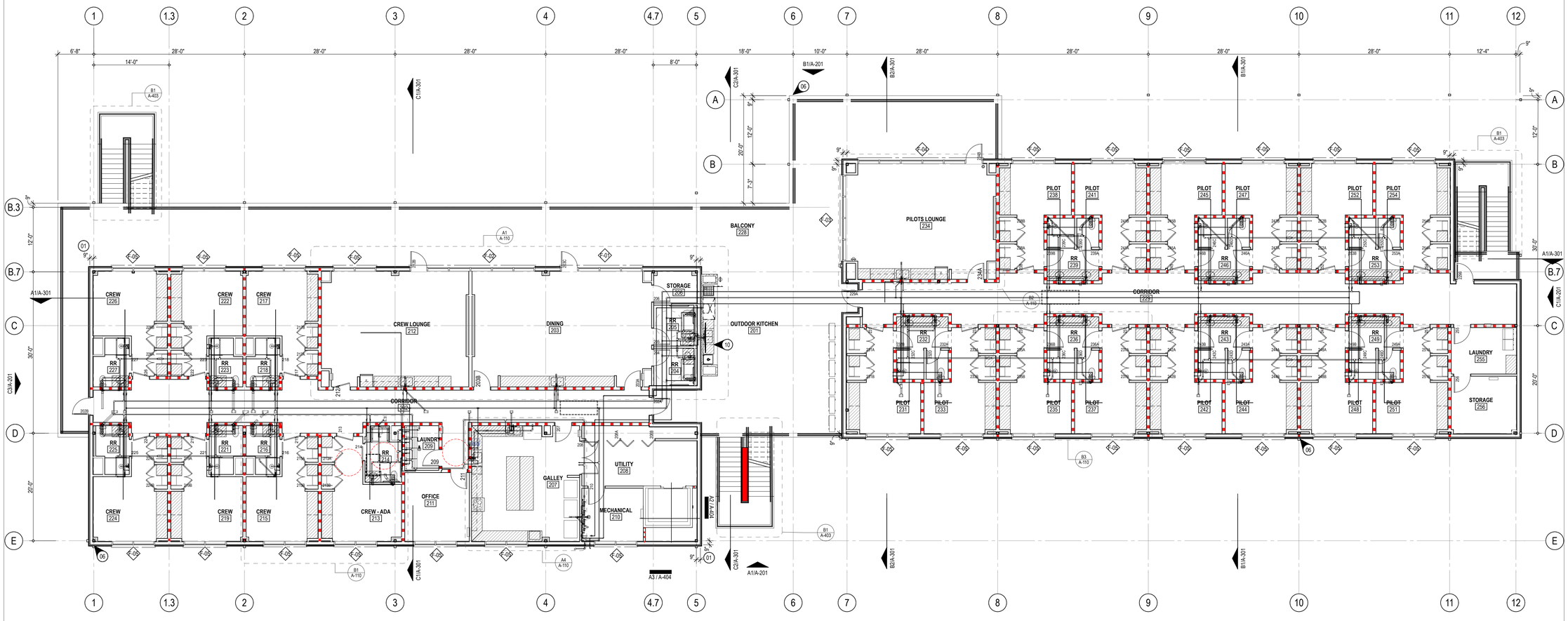
EA PROJECT NUMBER: 20039
ARCHITECT: ALAN CREECH
LICENSE #: 9820

ALAN CREECH
REG. NO. 9820
REGISTERED ARCHITECT
STATE OF LOUISIANA
11/17/2023

1ST FLOOR PLAN
A-103



C1 2ND FLOOR PLAN
SCALE: 1/8" = 1'-0"



A1 2ND FLOOR PLAN
SCALE: 1/8" = 1'-0"

FLOOR PLAN NOTES

GRAPHIC LEGEND

ROOM NAME
101
ROOM IDENTIFICATION

PARTITIONS
REFER TO INTERIOR PARTITION TYPES
A-000 SERIES

PARTITION TYPE
1 HR RATED
2 HR RATED
3 HR RATED
4 HR RATED
FIRE-RATED PARTITIONS

OPENINGS
101 DOOR ID A-610 SERIES
F FRAMED OPENING TYPE A-600 SERIES

ELEVATION, SECTION, DETAIL MARKERS

ITEM / SHEET — BUILDING ELEVATIONS A-200 SERIES
ITEM / SHEET ITEM / SHEET — BUILDING SECTIONS A-300 SERIES
ITEM / SHEET — WALL SECTIONS A-310 SERIES
ITEM / SHEET — INTERIOR ELEVATIONS A-400 SERIES
ITEM SHEET — ENLARGED DETAIL A-500 SERIES

KEYED NOTES

01 SCREEN WALL, RE: SHEET A-203, TYP
02 FLOOD VENTS, TYP
03 6' - 0" HIGH CHAIN LINK FENCE
04 62" X 54" DUMBWAITER SHAFT OPENING
05 PROVIDE NEW CONCRETE SPLASH BLOCKS
06 5" X 6" PREFINISHED GALVANIZED DOWNSPOUTS U.N.O., RE: ROOF PLAN
07 ALUM ATTIC LADDER
08 10 FT MANUAL CHAIN LINK GATE, 6FT HIGH.
09 EDGE OF CONC SLAB, RE: CIVIL
10 RE: LANDSCAPE FOR OUTDOOR KITCHEN

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

CAMERON PARISH PILOT'S LODGE

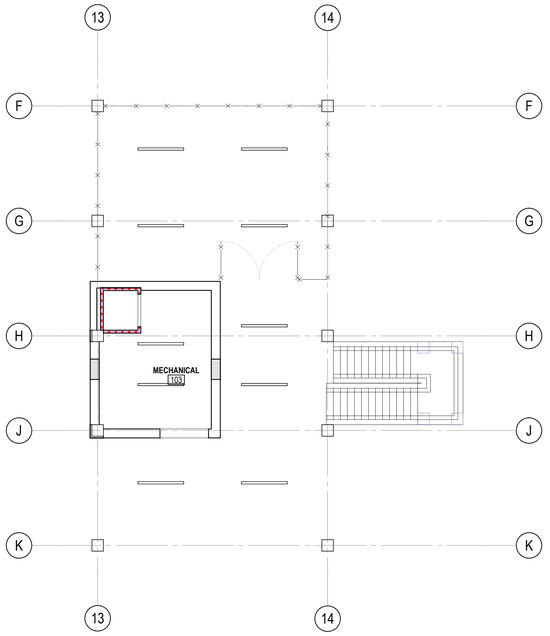
DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
1	6/21/2024	RE-ISSUED FOR BID
0	11/17/2023	INITIAL ISSUE

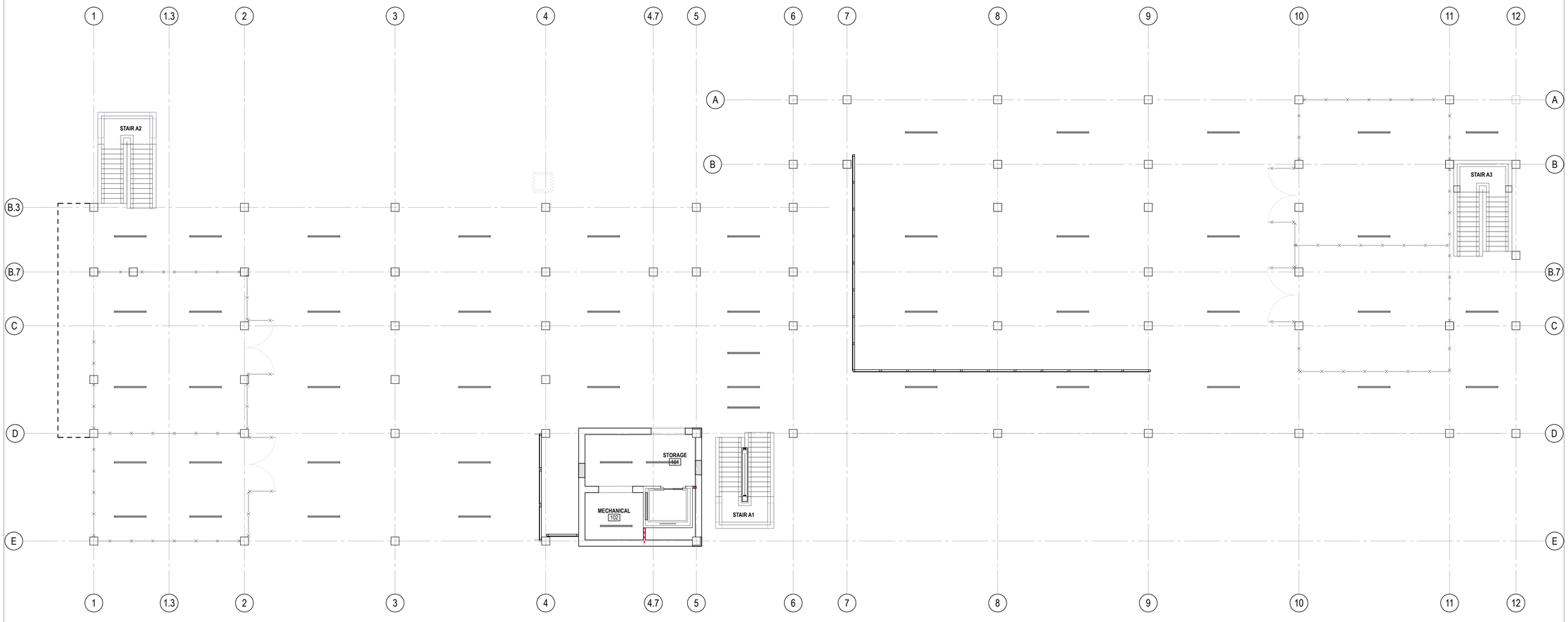
EA PROJECT NUMBER: 20039
ARCHITECT: ALAN CREECH
LICENSE #: 9820

ALAN CREECH REG. NO. 9820 REGISTERED ARCHITECT STATE OF LOUISIANA
11/17/2023

2ND FLOOR PLAN
A-104



C1 1ST FLOOR REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"



A1 1ST FLOOR REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

CEILING PLAN NOTES

GRAPHIC LEGEND

CONT PARTITION TO DECK/STRUCTURE

RE: CEILING TYPES SCHEDULE FOR ITEMS DESIGNATED THUS:
CLG HEIGHT
CLG TYPE

RE: EXTERIOR ASSEMBLIES FOR ITEMS DESIGNATED THUS:
SOF- SOFFIT ASSEMBLY

GENERAL NOTES

A. ALL CEILINGS ARE PTD GYP BD. U.N.O.

B. ALL CEILINGS 9'-0" AFF, U.N.O.

C. ALL GYP BD CEILINGS TO BE PAINTED P-1, U.N.O

D. RE: ELEC FOR LIGHTING SCHEDULE

E. ALL CEILING MOUNTED DEVICES TO ALIGN WITH LIGHT FIXTURES OR ADJACENT DEVICES. ARCHITECT TO VERIFY FINALPLACEMENT.

H. ALL SECURITY EQUIPMENT CAMERAS, IR MOTION DETECTORS, ILLUMINATORS & STROBE LIGHTS DESIGN SHALL BE PROVIDED BY OTHERS. GC TO COORDINATE WITH SECURITY CONSULTANT FOR SECURITY DESIGN. GC TO PROVIDE J-BOX, CONDUIT AND PULL-STRING TO & FROM TERMINATION POINTS FOR DISTRIBUTION OF POWER & DATA. REFER TO RCP & FF&E PLAN FOR RELATED SECURITY TERMINATION POINTS.

KEYED NOTES

1. PTD GYP BD CEILING TYP.
2. PREMANUFACTURED METAL FASCIA & SOFFIT, RE: A-621 FOR ADITIONAL INFORMATION. COLOR TBD.
3. CEILING FAN, RE: ELEC
4. 27'-0" SOFFIT HEIGHT FROM FIRST FF, TYP. (13' - 0" FROM 2ND FF)
5. 23'-6" SOFFIT HEIGHT FROM FIRST FF, TYP. @ CANOPY (9'-6" FROM 2ND FF)
6. 2:12 CEILING PITCH, RE: SECTIONS
7. ALUM ATTIC LADDER
8. OPEN TO STRUCTURE
9. RE: A-001

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

CAMERON PARISH PILOT'S LODGE
DAVIS RD
CAMERON , LA 70631

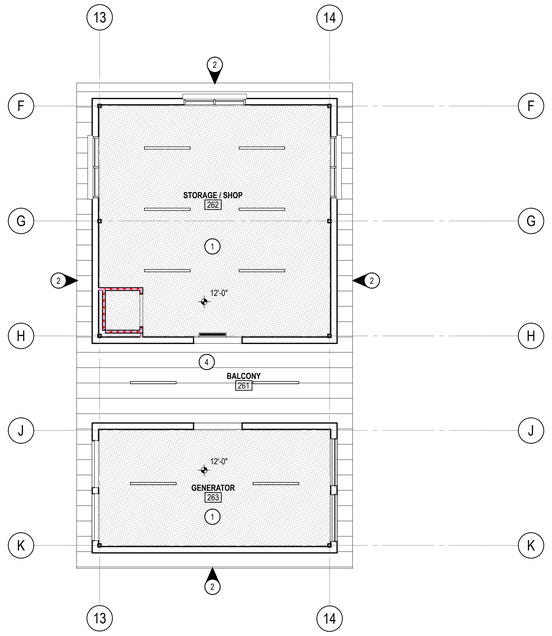
REV	DATE	DESCRIPTION
1	6/21/2024	RE-ISSUED FOR BID
0	11/17/2023	INITIAL ISSUE

EA PROJECT NUMBER: 20039
ARCHITECT: ALAN CREECH
LICENSE #: 9820

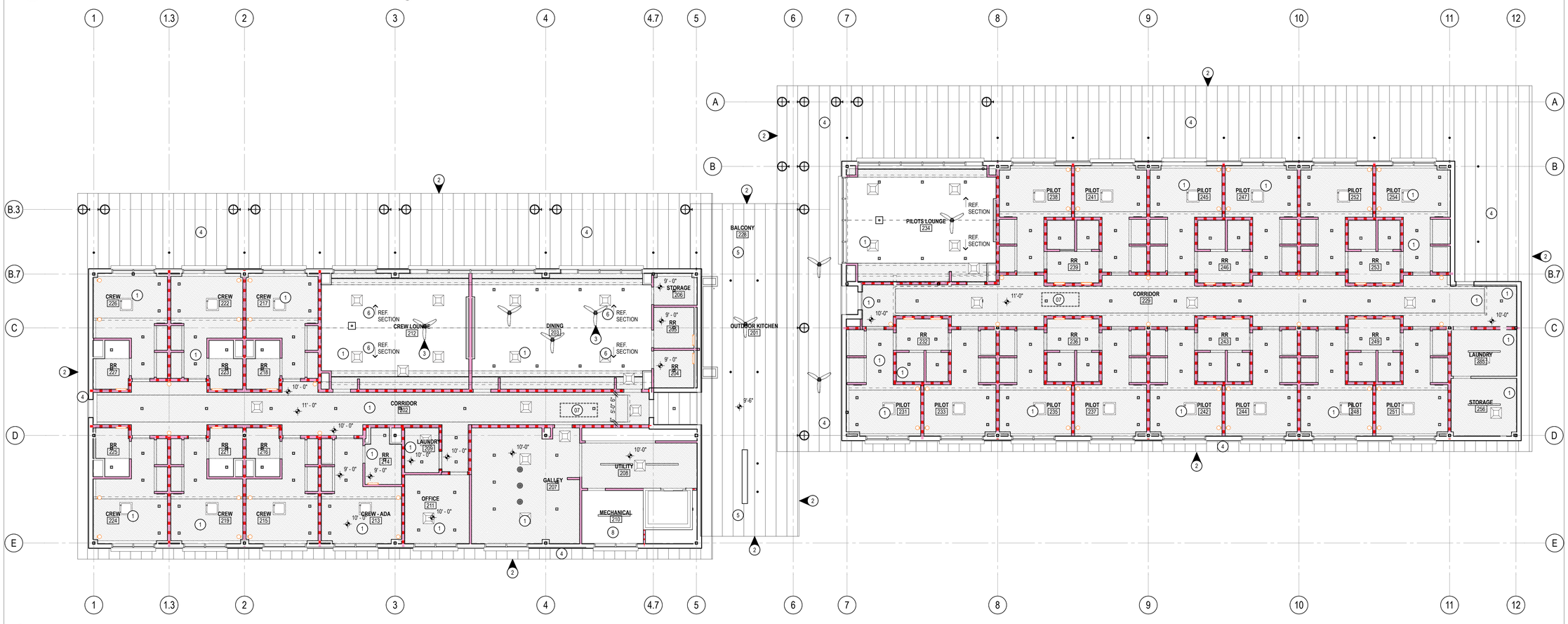
ALAN CREECH
REG. NO. 9820
REGISTERED ARCHITECT
STATE OF LOUISIANA
11/17/2023

1ST FLOOR REFLECTED CEILING PLAN

A-105



C1 2ND FLOOR RCP
SCALE: 1/8" = 1'-0"



A1 2ND FLOOR RCP
SCALE: 1/8" = 1'-0"

CEILING PLAN NOTES

GRAPHIC LEGEND

CONT PARTITION TO DECK/STRUCTURE

RE: CEILING TYPES SCHEDULE FOR ITEMS DESIGNATED THUS:
CLG HEIGHT
CLG TYPE

RE: EXTERIOR ASSEMBLIES FOR ITEMS DESIGNATED THUS:
SOF- SOFFIT ASSEMBLY

GENERAL NOTES

A. ALL CEILINGS ARE PTD GYP BD. U.N.O.

B. ALL CEILINGS 9'-0" AFF, U.N.O.

C. ALL GYP BD CEILINGS TO BE PAINTED P-1, U.N.O

D. RE: ELEC FOR LIGHTING SCHEDULE

E. ALL CEILING MOUNTED DEVICES TO ALIGN WITH LIGHT FIXTURES OR ADJACENT DEVICES. ARCHITECT TO VERIFY FINALPLACEMENT.

H. ALL SECURITY EQUIPMENT CAMERAS, IR MOTION DETECTORS, ILLUMINATORS & STROBE LIGHTS DESIGN SHALL BE PROVIDED BY OTHERS. GC TO COORDINATE WITH SECURITY CONSULTANT FOR SECURITY DESIGN. GC TO PROVIDE J-BOX, CONDUIT AND PULL-STRING TO & FROM TERMINATION POINTS FOR DISTRIBUTION OF POWER & DATA. REFER TO RCP & FF&E PLAN FOR RELATED SECURITY TERMINATION POINTS.

KEYED NOTES

1. PTD GYP BD CEILING TYP.
2. PREMANUFACTURED METAL FASCIA & SOFFIT, RE: A-621 FOR ADITIONAL INFORMATION. COLOR TBD.
3. CEILING FAN, RE: ELEC
4. 27'-0" SOFFIT HEIGHT FROM FIRST FF, TYP. (13' - 0" FROM 2ND FF)
5. 23'-6" SOFFIT HEIGHT FROM FIRST FF, TYP. @ CANOPY (9'-6" FROM 2ND FF)
6. 2:12 CEILING PITCH, RE: SECTIONS
7. ALUM ATTIC LADDER
8. OPEN TO STRUCTURE
9. RE: A-001

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

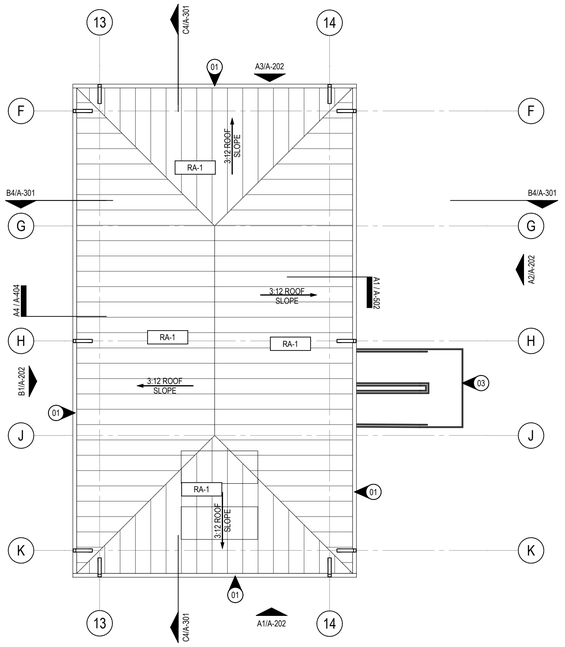
CAMERON PARISH PILOT'S LODGE
DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
1	6/21/2024	RE-ISSUED FOR BID
0	11/17/2023	INITIAL ISSUE

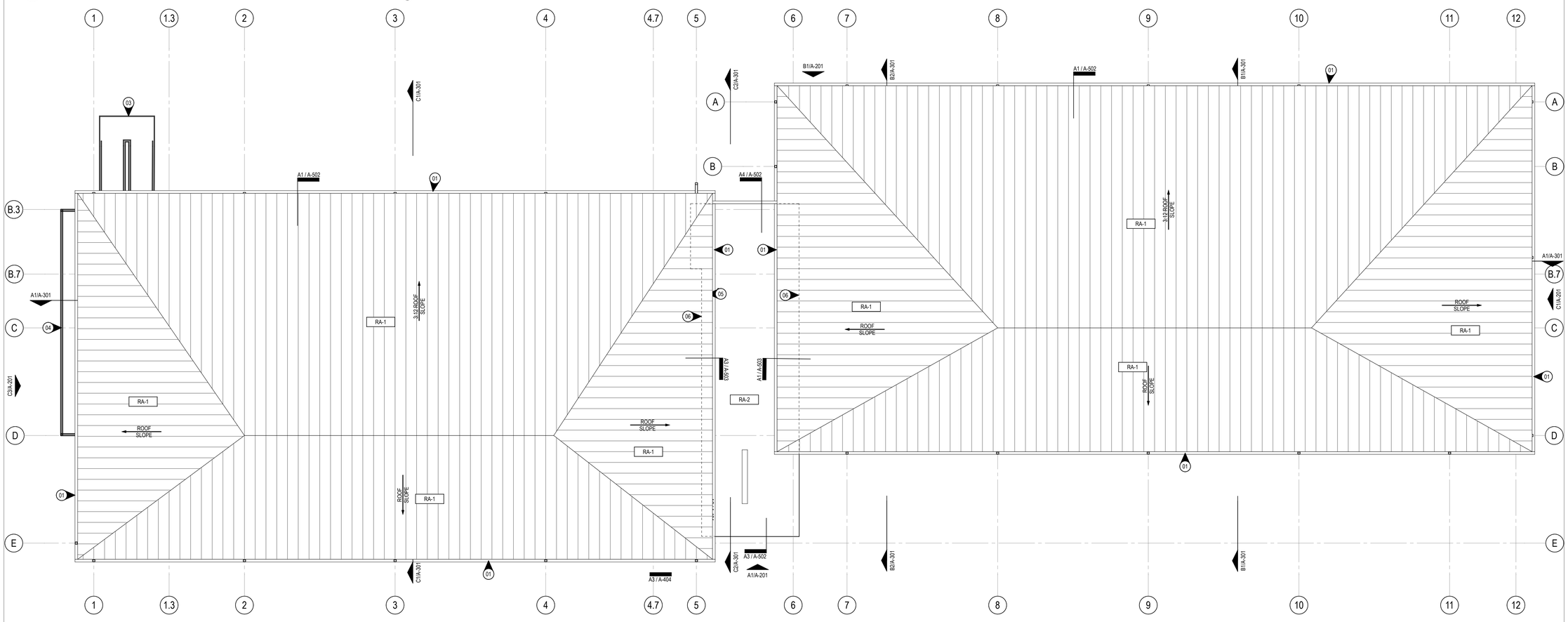
EA PROJECT NUMBER: 20039
ARCHITECT: ALAN CREECH
LICENSE #: 9820

ALAN CREECH REG. NO. 9820 PROFESSIONAL ARCHITECT STATE OF LOUISIANA
11/17/2023

2ND FLOOR REFLECTED CEILING PLAN
A-106



C1 ROOF PLAN
SCALE: 1/8" = 1'-0"



A1 ROOF PLAN
SCALE: 1/8" = 1'-0"

ROOF PLAN NOTES

REFER TO EXTERIOR ASSEMBLIES
A-000 SERIES
FOR ITEMS DESIGNATED THUS:

RA- ROOF ASSEMBLY

DETAIL MARKERS

XX / XXXX HIGH ROOF CONDITION

XX / XXXX BASE ROOF CONDITION

KEYED NOTES

01 PRE FINISHED METAL GUTTER AND DOWNSPOUT, TYP.

02 NOT USED

03 STAIR BELOW

04 WALKWAY & HANDRAIL BELOW

05 EXHAUST WOOD VENT. COORDINATE WITH MEP, LANDSCAPE FOR EXTERIOR KITCHENETTE.

06 LINE OF SLOPED CANOPY ROOF

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

CAMERON PARISH PILOT'S LODGE

DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
1	6/21/2024	RE-ISSUED FOR BID
0	11/17/2023	INITIAL ISSUE

EA PROJECT NUMBER: 20039
ARCHITECT: ALAN CREECH
LICENSE #: 9820

ALAN CREECH
REG. NO. 9820
REGISTERED ARCHITECT
STATE OF LOUISIANA
11/17/2023

ROOF PLAN
A-107

GENERAL NOTES: FINISH PLAN

A. RE: ELEVS FOR EXTENT OF WALL AND FLOOR FINISHES.

B. ALL GYP WALLS TO BE PAINTED P-1 U.N.O.

C. ALL FLOORING TO BE LVT-1 U.N.O.

D. DO NOT PAINT METAL REVEALS U.N.O.

E. ALL BASE TO BE RB-1 U.N.O.

F. ALL GYP BD CEILINGS PAINTED P-6 U.N.O.

G. RE: INTERIOR ELEVATIONS FOR ADDITIONAL FINISH INFORMATION

H. ALL EXTERIOR WINDOWS TO HAVE MECHO SHADES (WSF-1).

SYMBOLS LEGEND

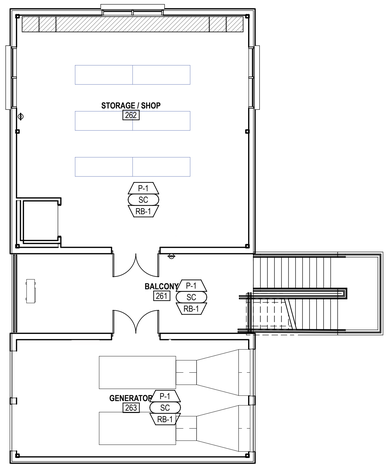
DIRECTION OF FLOORING

REFER TO FINISH SCHEDULE
A-620 SERIES
FOR ITEMS DESIGNATED THUS:

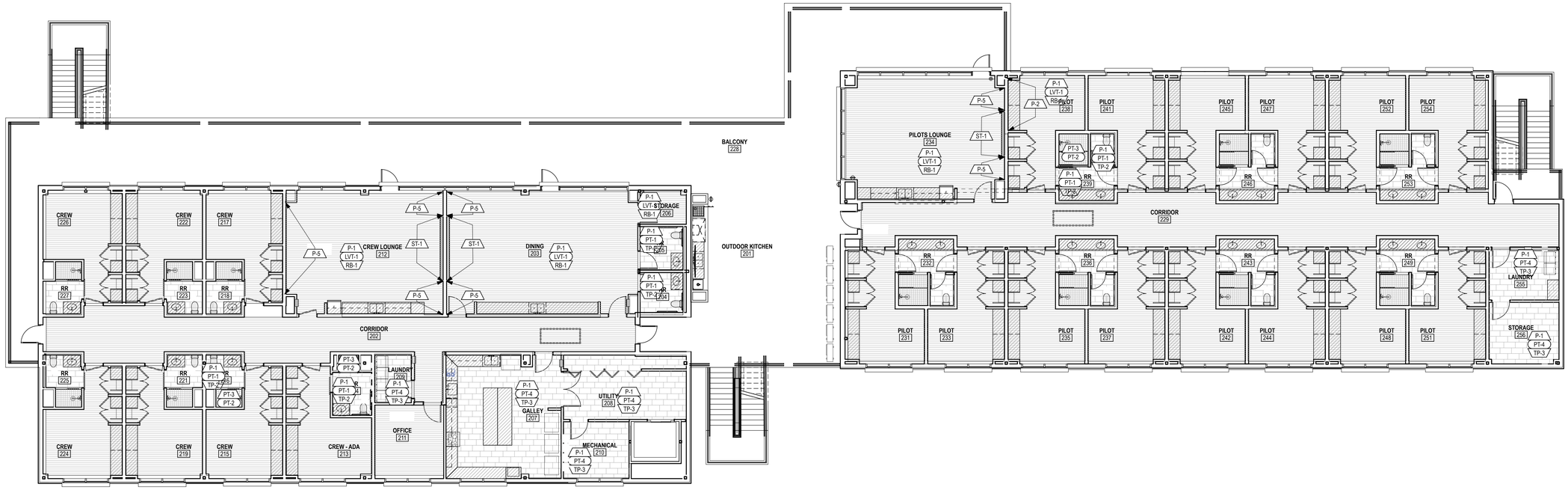
ID — WALL FINISH
ID — BASE
ID — FLOOR FINISH

KEY NOTES: FINISH PLAN

1. NOT USED
2. SS-1 WINDOW SILL, **RE: A4/A-503** FOR DETAIL, TYP
3. GROMMET RE: **A-606**



C1 2ND FLOOR FINISH PLAN
SCALE: 1/8" = 1'-0"



A1 2ND FLOOR FINISH PLAN
SCALE: 1/8" = 1'-0"

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

CAMERON PARISH PILOT'S LODGE

DAVIS RD
CAMERON , LA 70631

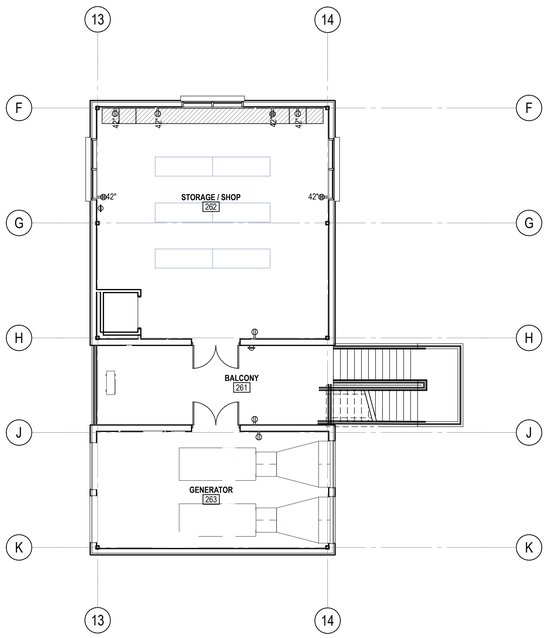
REV	DATE	DESCRIPTION
1	6/21/2024	RE-ISSUED FOR BID
0	11/17/2023	INITIAL ISSUE

EA PROJECT NUMBER: 20039
ARCHITECT: ALAN CREECH
LICENSE #: 9820

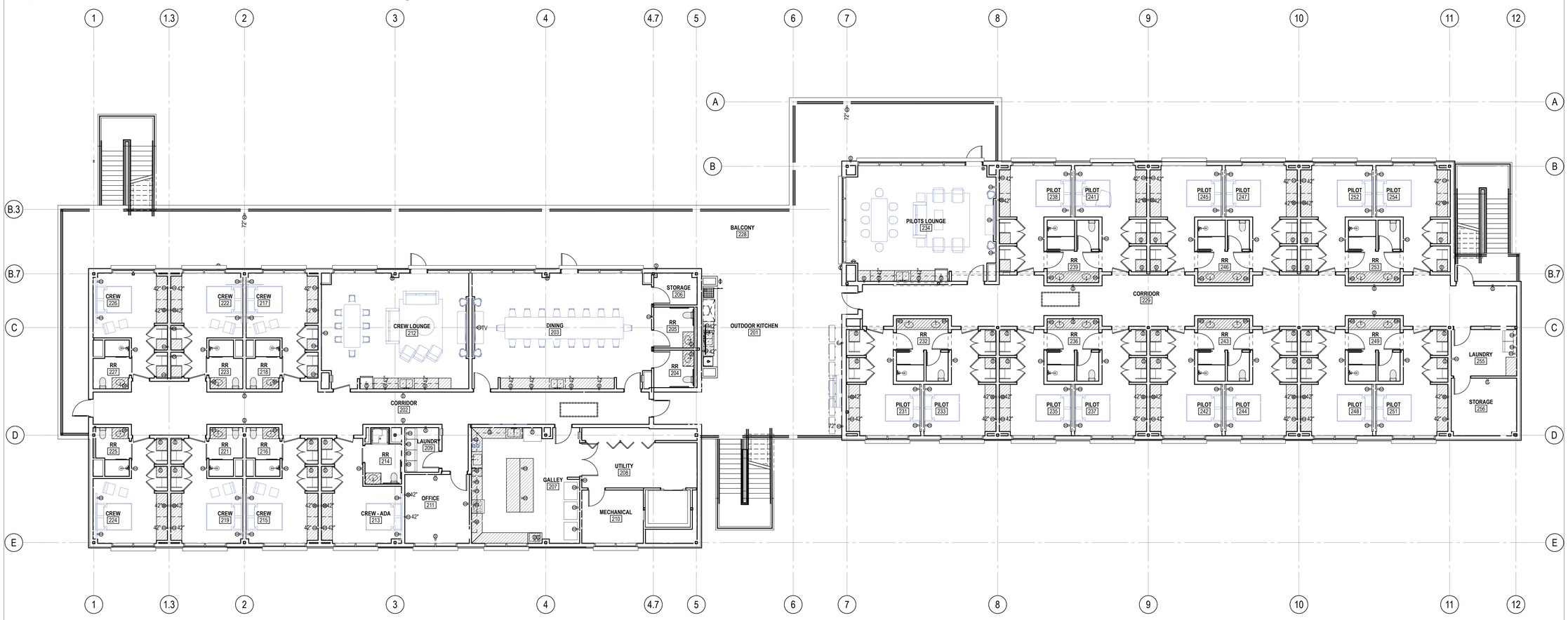
ALAN CREECH
REG. NO. 9820
REGISTERED ARCHITECT
STATE OF LOUISIANA
11/17/2023

2ND FLOOR FINISH PLAN

A-108



C1 FFE PLAN
SCALE: 1/8" = 1'-0"



A1 2ND FLOOR FFE PLAN
SCALE: 1/8" = 1'-0"

FFE PLAN NOTES

GRAPHIC LEGEND

REFER TO FURNISHINGS & EQUIPMENT SCHEDULE
A-660 SERIES
FOR ITEMS DESIGNATED THUS:

- ID EQUIPMENT
- ID FURNISHINGS

WALL AND FLOOR RECEPTACLES

- VOICE (TELEPHONE)
- DATA
- AV DATA (AV)
- POWER DUPLEX
- POWER QUAD
- POWER FLOOR
- COMBINED POWER AND DATA FLOOR
- DATA FLOOR
- PDV POWER / DATA / AV FOR FLAT PANEL DISPLAY

WALL MOUNTED DEVICES

- CR CARD READER / ACCESS CONTROL
- SEC SECURITY CAMERA
- FV FIRE ALARM VISUAL
- LA LISTENING ASSIST
- SPKR SPEAKER
- CTRL CONTROL PANEL

GENERAL NOTES

A. ITEMS IN BLUE ARE OWNER FURNISHED AND INSTALLED

KEYED NOTES

01
02
03

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

CAMERON PARISH PILOT'S LODGE

DAVIS RD
CAMERON , LA 70631

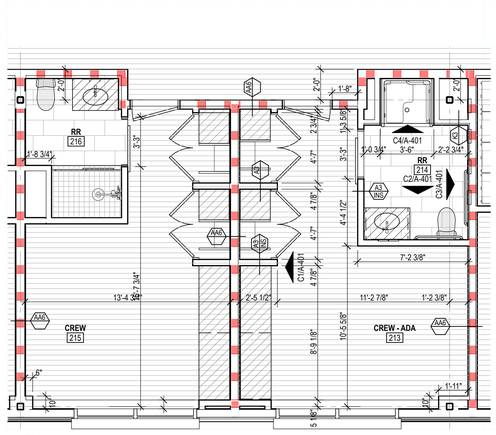
REV	DATE	DESCRIPTION
1	6/21/2024	RE-ISSUED FOR BID
0	11/17/2023	INITIAL ISSUE

EA PROJECT NUMBER: 20039
ARCHITECT: ALAN CREECH
LICENSE #: 9820

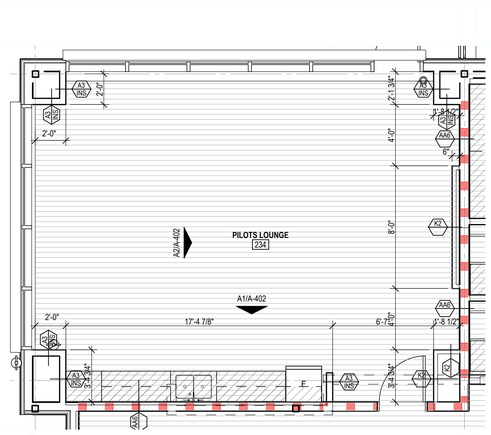
ALAN CREECH REG. NO. 9820 REGISTERED ARCHITECT STATE OF LOUISIANA
11/17/2023

FFE PLAN
A-109

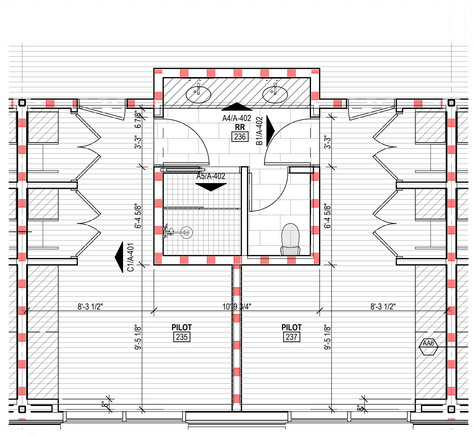
ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com



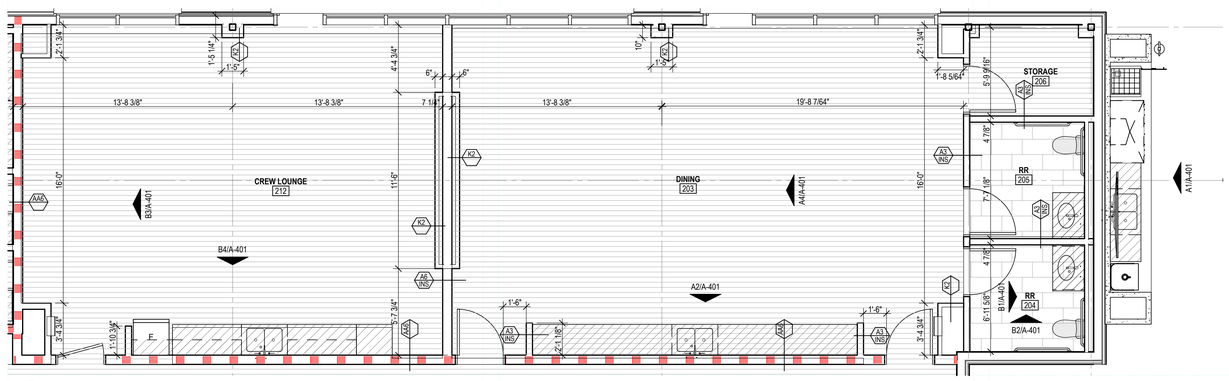
B1 2ND FLOOR ENLARGED PLAN - TYP
SCALE: 1/4" = 1'-0"



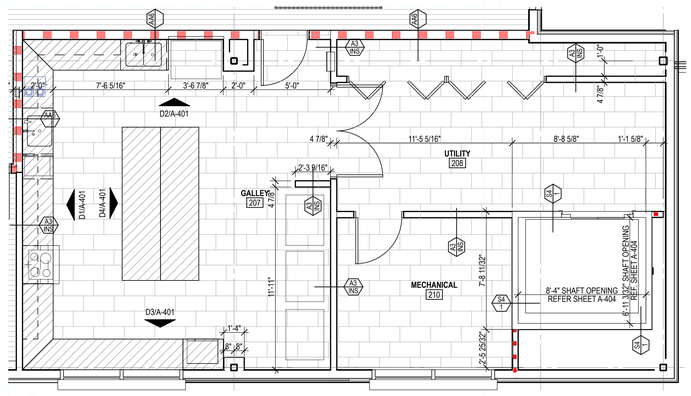
B2 2ND FLOOR ENLARGED PLAN
SCALE: 1/4" = 1'-0"



B3 2ND FLOOR ENLARGED PLAN
SCALE: 1/4" = 1'-0"



A1 2ND FLOOR ENLARGED PLAN
SCALE: 1/4" = 1'-0"



A4 2ND FLOOR ENLARGED PLAN
SCALE: 1/4" = 1'-0"

CAMERON PARISH PILOT'S LODGE

DAVIS RD
CAMERON , LA 70631

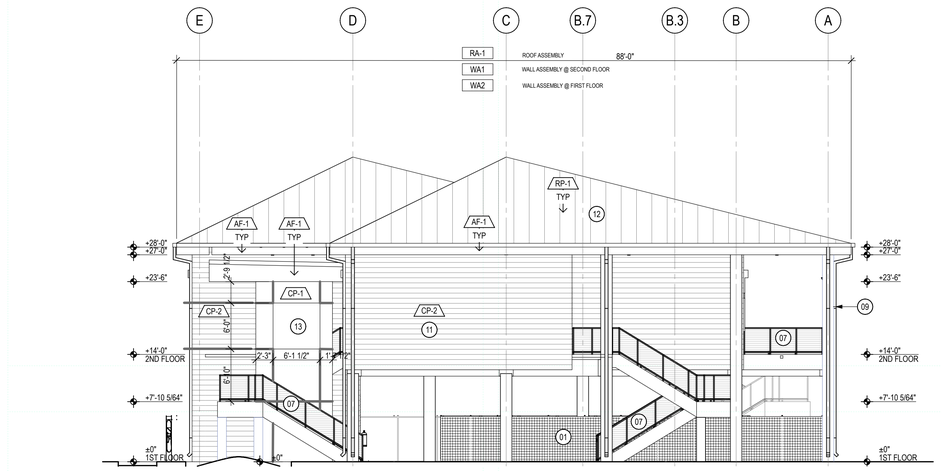
REV	DATE	DESCRIPTION
1	6/21/2024	RE-ISSUED FOR BID
0	11/17/2023	INITIAL ISSUE

EA PROJECT NUMBER: 20039
ARCHITECT: ALAN CREECH
LICENSE #: 9820

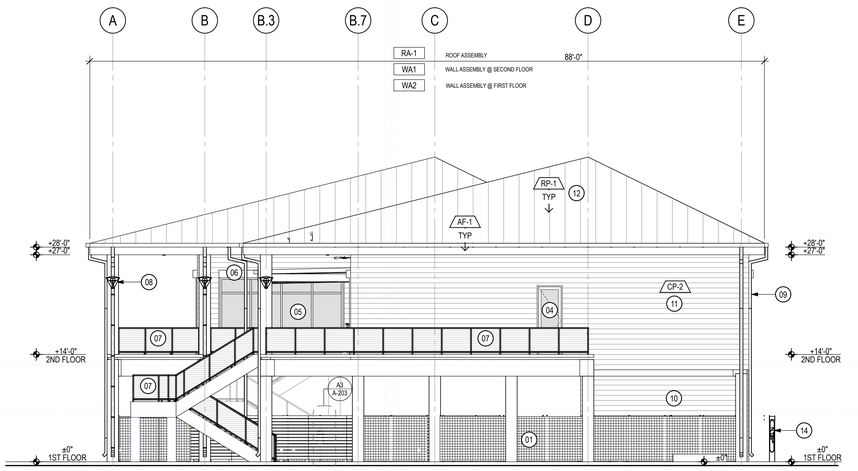
ALAN CREECH
REG. NO. 9820
REGISTERED ARCHITECT
STATE OF LOUISIANA
11/17/2023

ENLARGED PLANS

A-110



C1 BUILDING ELEVATION
SCALE: 1/8" = 1'-0"



C3 BUILDING ELEVATION
SCALE: 1/8" = 1'-0"

ELEVATION/SECTION NOTES

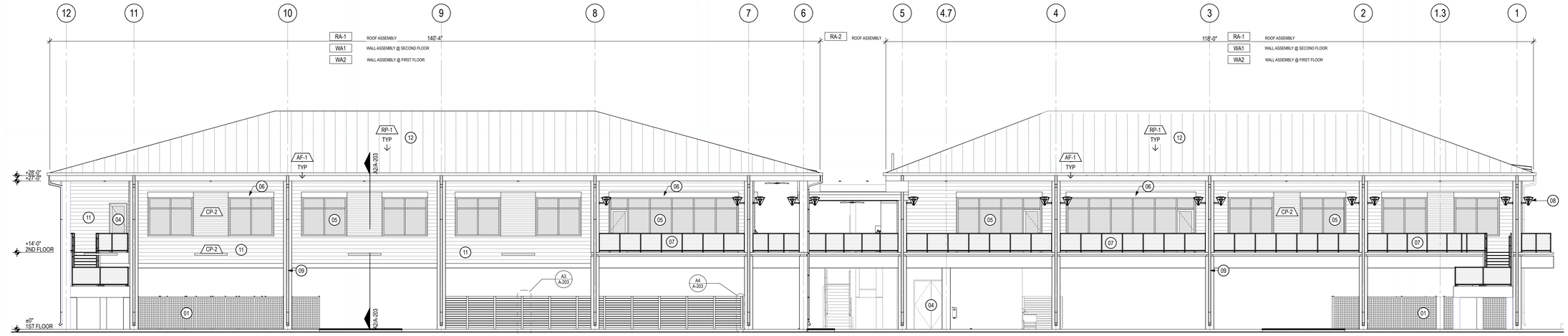
GRAPHIC LEGEND

REFER TO EXTERIOR ASSEMBLIES
A-000 SERIES
FOR ITEMS DESIGNATED THUS:

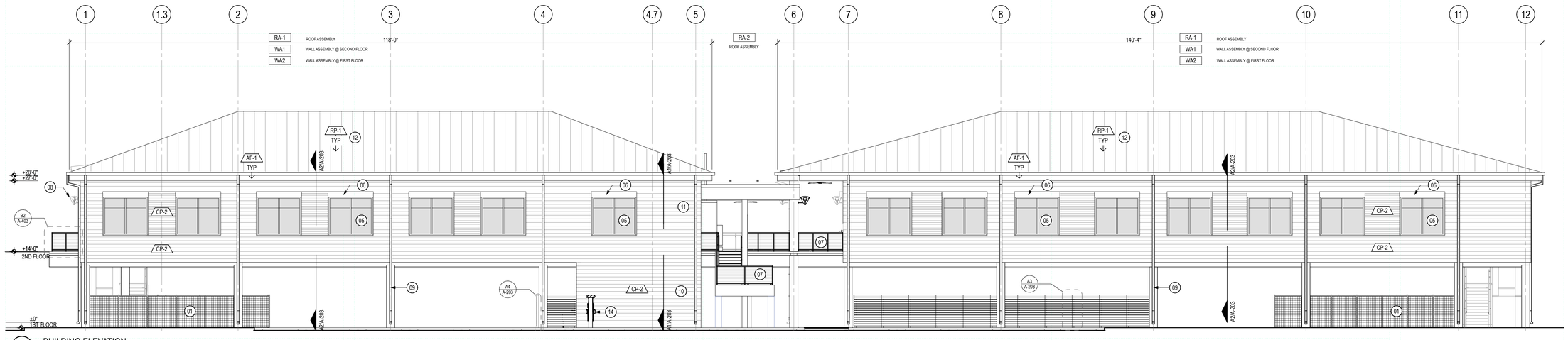
- XWA- EXTERIOR WALL ASSEMBLY, REFER TO A-001
- RA- ROOF ASSEMBLY, REFER TO A-001
- FA- FLOOR ASSEMBLY, REFER TO A-001
- SA- SOFFIT ASSEMBLY, REFER TO A-001
- ID EXTERIOR FINISHES, REFER TO A-621
- A WINDOW, REFER TO A-601
- ITEM / SHEET ENLARGED DETAIL A-500 SERIES

KEYED NOTES

01 6' -0" HIGH CHAIN LINK FENCE
02 8' X 8' LOUVER, RE: SHEET M2.02.2
03 6' X 10' LOUVER, RE: SHEET M2.02.2
04 SCHED. DOOR. RE: SHEET A-611
05 SCHED. WINDOW. RE: SHEET A-601
06 STORM ROLL SHUTTER. RE: SHEET A-601
07 GUARDRAIL. RE: B2/A403 FOR TYP DETAILS
08 LIGHT FIXTURES, RE: ELEC. DWGS
09 PRE-FINISHED METAL GUTTER AND 5"X6" PRE-FINISHED GALV. STEEL DOWNSPOUT. COLOR T.B.D.
10 WA-2 EXT. WALL ASSEMBLY
11 WA-1 EXT. WALL ASSEMBLY
12 PRE FINISHED STANDING SEAM METAL PANEL ROOF. RE: ROOF PLAN AND ROOF DETAILS.
13 PROVIDE BUILDING SIGN
14 EV, RE: SITE PLAN DETAILS



B1 BUILDING ELEVATION
SCALE: 1/8" = 1'-0"



A1 BUILDING ELEVATION
SCALE: 1/8" = 1'-0"

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

CAMERON PARISH PILOT'S LODGE

DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
1	6/21/2024	RE-ISSUED FOR BID
0	11/17/2023	INITIAL ISSUE

EA PROJECT NUMBER: 20039
ARCHITECT: ALAN CREECH
LICENSE #: 9820

ALAN CREECH
#9820 NO. REG.
REGISTERED ARCHITECT
STATE OF LOUISIANA
11/17/2023

BUILDING ELEVATIONS

A-201

ELEVATION/SECTION NOTES

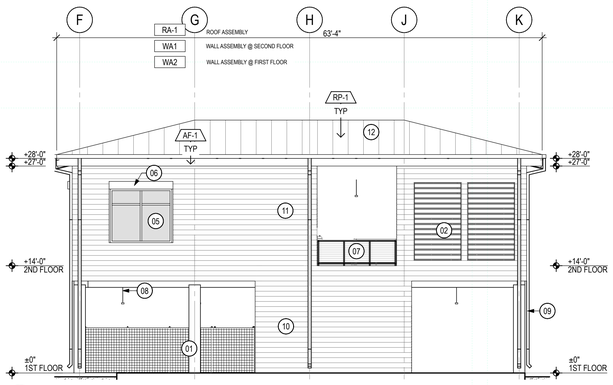
GRAPHIC LEGEND

REFER TO EXTERIOR ASSEMBLIES
A-000 SERIES
FOR ITEMS DESIGNATED THUS:

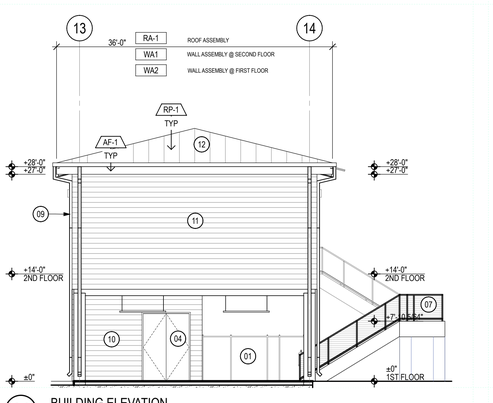
- XWA- EXTERIOR WALL ASSEMBLY, REFER TO A-001
- RA- ROOF ASSEMBLY, REFER TO A-001
- FA- FLOOR ASSEMBLY, REFER TO A-001
- SA- SOFFIT ASSEMBLY, REFER TO A-001
- ID EXTERIOR FINISHES, REFER TO A-621
- A WINDOW, REFER TO A-601
- ITEM / SHEET ENLARGED DETAIL A-500 SERIES

KEYED NOTES

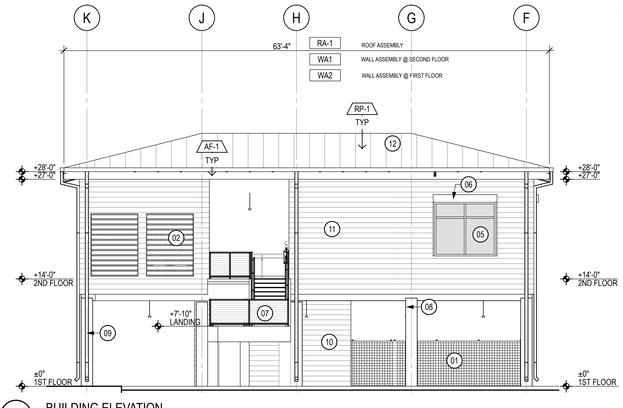
01 6' -0" HIGH CHAIN LINK FENCE
02 8' X 8' LOUVER, RE: SHEET M2.02.2
03 6' X 10' LOUVER, RE: SHEET M2.02.2
04 SCHED. DOOR. RE: SHEET A-611
05 SCHED. WINDOW. RE: SHEET A-601
06 STORM ROLL SHUTTER. RE: SHEET A-601
07 GUARDRAIL. RE: B2/A403 FOR TYP DETAILS
08 LIGHT FIXTURES, RE: ELEC. DWGS
09 PRE-FINISHED METAL GUTTER AND 5"X6" PRE-FINISHED GALV. STEEL DOWNSPOUT. COLOR T.B.D.
10 WA-2 EXT. WALL ASSEMBLY
11 WA-1 EXT. WALL ASSEMBLY
12 PRE FINISHED STANDING SEAM METAL PANEL ROOF. RE: ROOF PLAN AND ROOF DETAILS.
13 PROVIDE BUILDING SIGN
14 EV, RE: SITE PLAN DETAILS



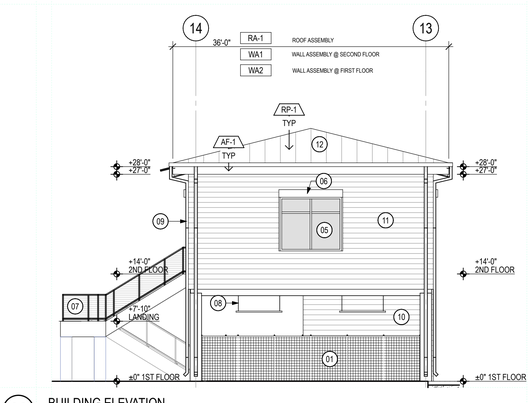
B1 BUILDING ELEVATION
SCALE: 1/8" = 1'-0"



A1 BUILDING ELEVATION
SCALE: 1/8" = 1'-0"



A2 BUILDING ELEVATION
SCALE: 1/8" = 1'-0"



A3 BUILDING ELEVATION
SCALE: 1/8" = 1'-0"

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

CAMERON PARISH PILOT'S LODGE

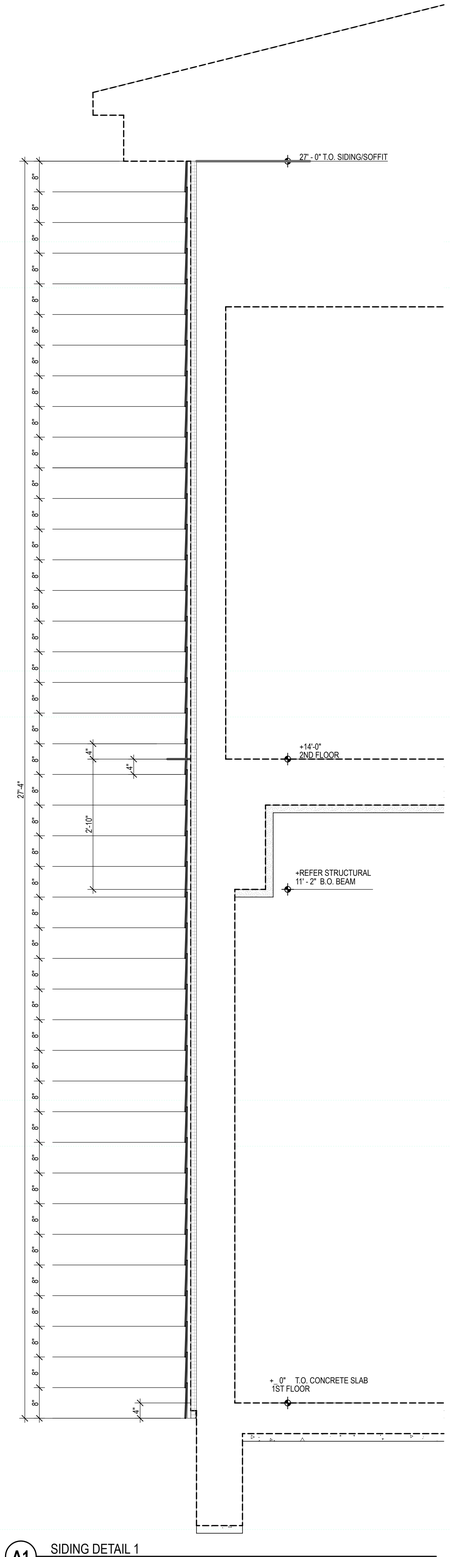
DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
1	6/21/2024	RE-ISSUED FOR BID
0	11/17/2023	INITIAL ISSUE

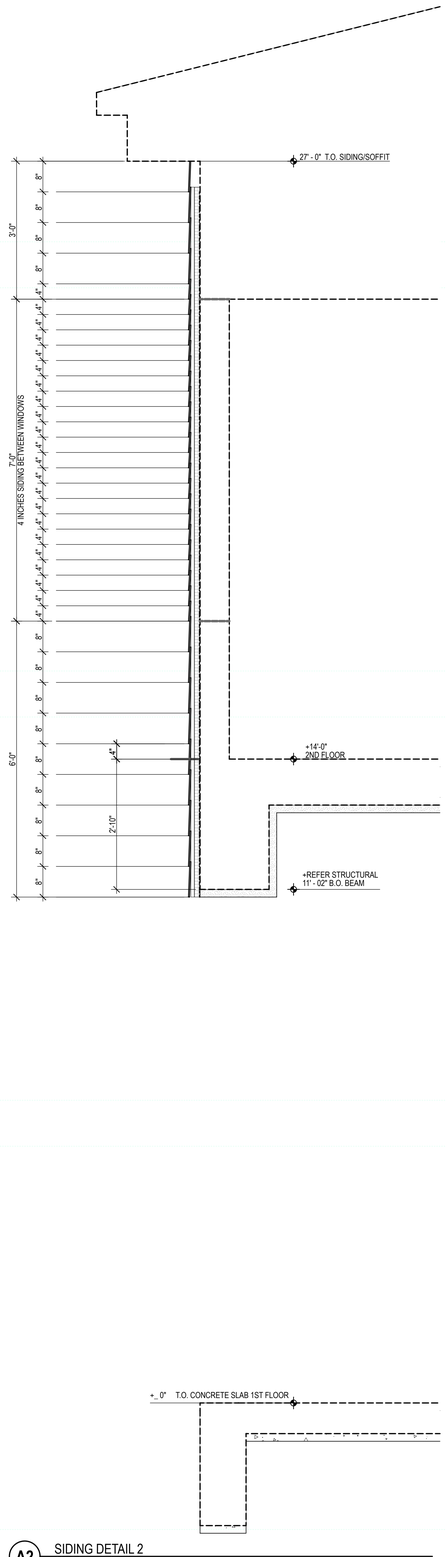
EA PROJECT NUMBER: 20039
ARCHITECT: ALAN CREECH
LICENSE #: 9820

ALAN CREECH
REG. NO. 9820
REGISTERED ARCHITECT
STATE OF LOUISIANA
11/17/2023

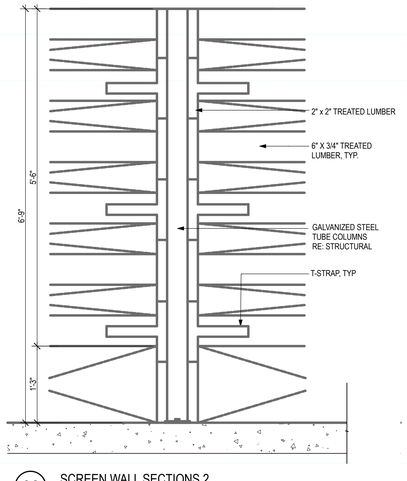
BUILDING ELEVATIONS
A-202



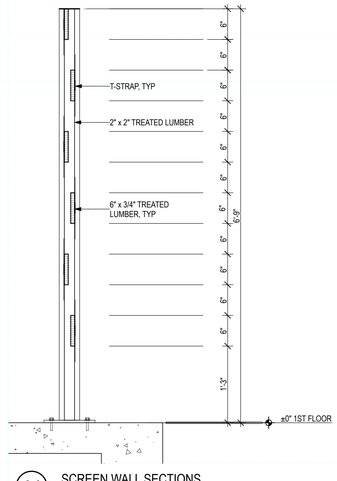
A1 SIDING DETAIL 1
SCALE: 3/4" = 1'-0"



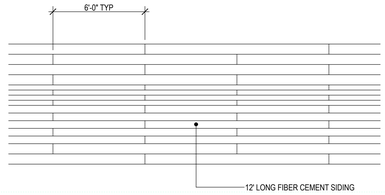
A2 SIDING DETAIL 2
SCALE: 3/4" = 1'-0"



A3 SCREEN WALL SECTIONS 2
SCALE: 1" = 1'-0"



A4 SCREEN WALL SECTIONS
SCALE: 1" = 1'-0"



C4 LAP SIDING JOINTS
SCALE: 1/4" = 1'-0"

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

CAMERON PARISH PILOT'S LODGE

DAVIS RD
CAMERON , LA 70631

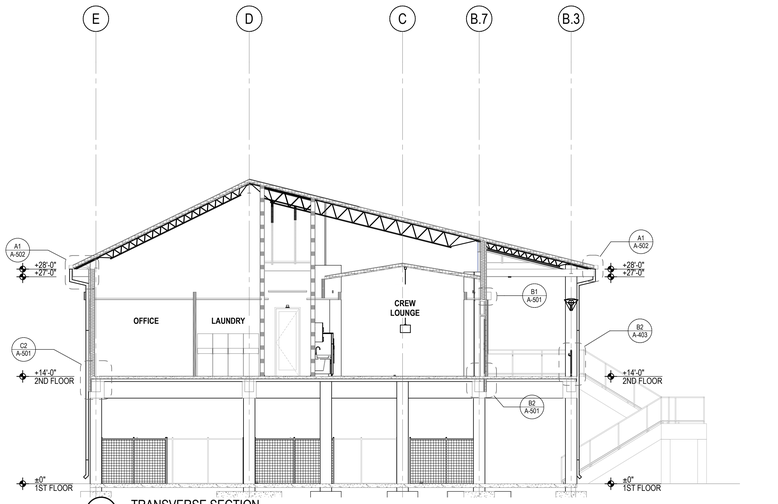
REV	DATE	DESCRIPTION
1	6/21/2024	RE-ISSUED FOR BID
0	11/17/2023	INITIAL ISSUE

EA PROJECT NUMBER: 20039
ARCHITECT: ALAN CREECH
LICENSE #: 9820

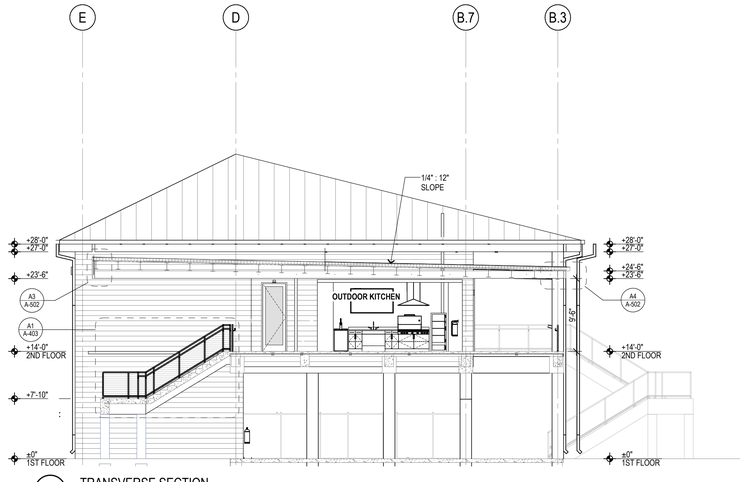
ALAN CREECH
REG. NO. 9820
REGISTERED ARCHITECT
STATE OF LOUISIANA
11/17/2023

BUILDING ELEVATIONS
DETAILS

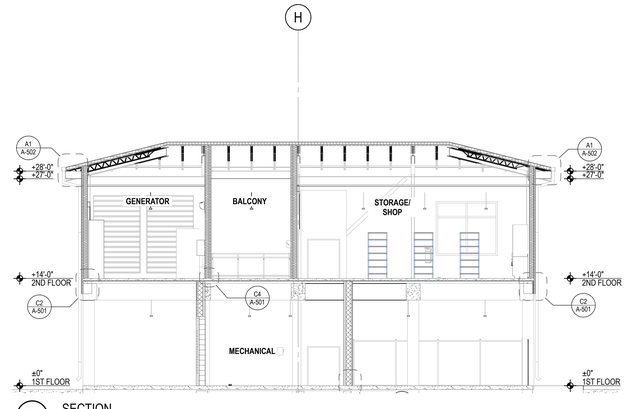
A-203



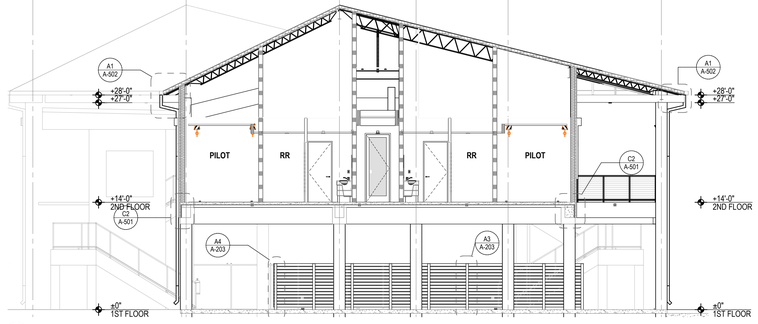
C1 TRANSVERSE SECTION
SCALE: 1/8" = 1'-0"



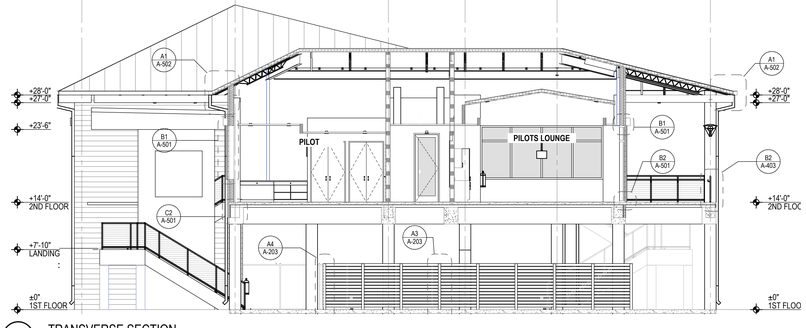
C2 TRANSVERSE SECTION
SCALE: 1/8" = 1'-0"



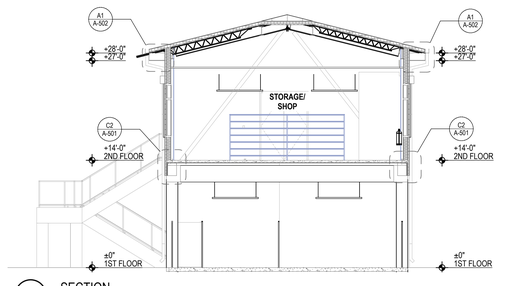
C4 SECTION
SCALE: 1/8" = 1'-0"



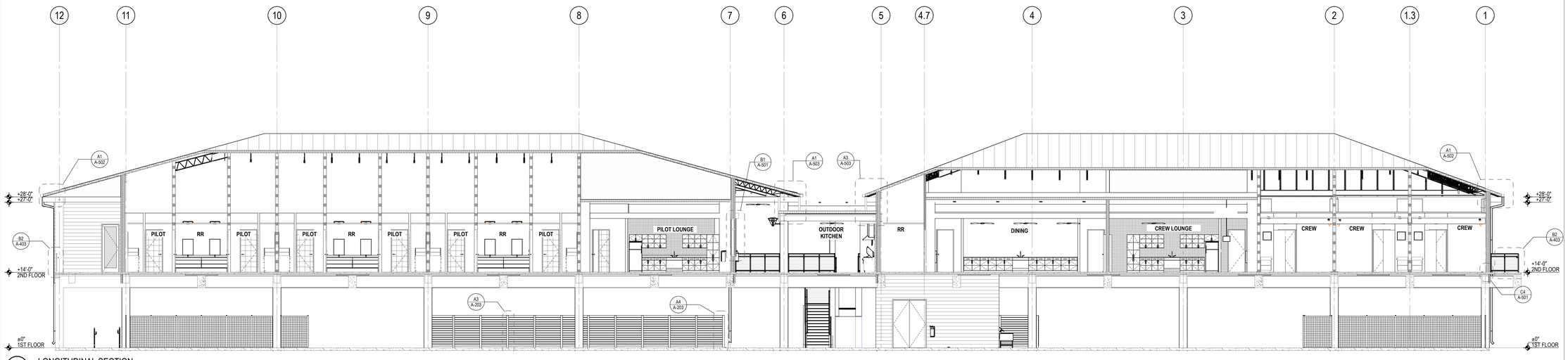
B1 TRANSVERSE SECTION
SCALE: 1/8" = 1'-0"



B2 TRANSVERSE SECTION
SCALE: 1/8" = 1'-0"



B4 SECTION
SCALE: 1/8" = 1'-0"



A1 LONGITUDINAL SECTION
SCALE: 1/8" = 1'-0"

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

CAMERON PARISH PILOT'S LODGE

DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
1	6/21/2024	RE-ISSUED FOR BID
0	11/17/2023	INITIAL ISSUE

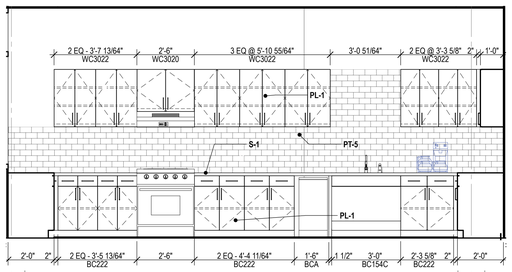
EA PROJECT NUMBER: 20039
ARCHITECT: ALAN CREECH
LICENSE #: 9820

ALAN CREECH
#9820
REGISTERED ARCHITECT
STATE OF LOUISIANA
11/17/2023

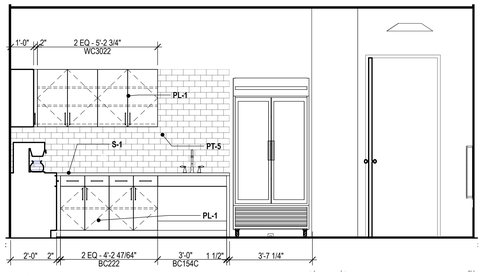
BUILDING SECTIONS

A-301

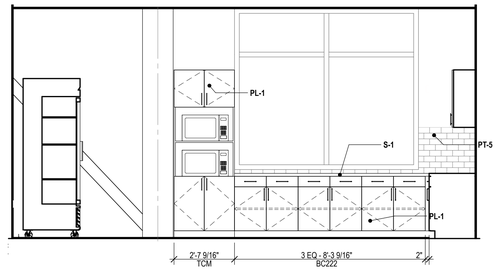
ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com



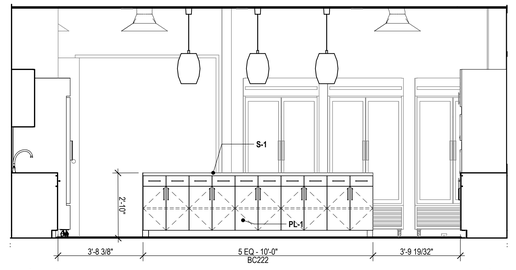
D1 GALLEY- WEST ELEVATION
SCALE: 3/8" = 1'-0"



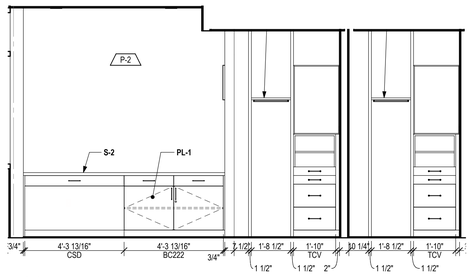
D2 GALLEY- NORTH ELEVATION
SCALE: 3/8" = 1'-0"



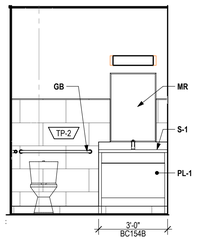
D3 GALLEY 207 LOOKING S
SCALE: 3/8" = 1'-0"



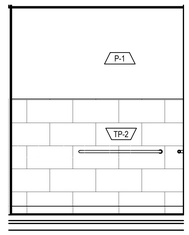
D4 GALLEY 207 LOOKING E
SCALE: 3/8" = 1'-0"



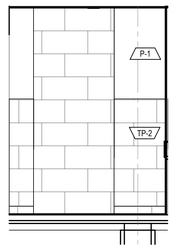
C1 TYP CREW / PILOT INTERIOR ELEVATION
SCALE: 3/8" = 1'-0"



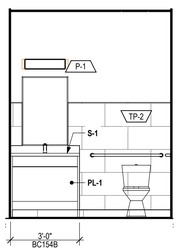
C2 TYP CREW RESTROOM LAV & WC
SCALE: 3/8" = 1'-0"



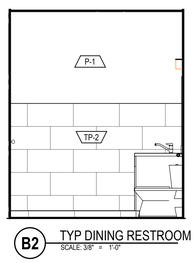
C3 TYP RESTROOM BACK WALL
SCALE: 3/8" = 1'-0"



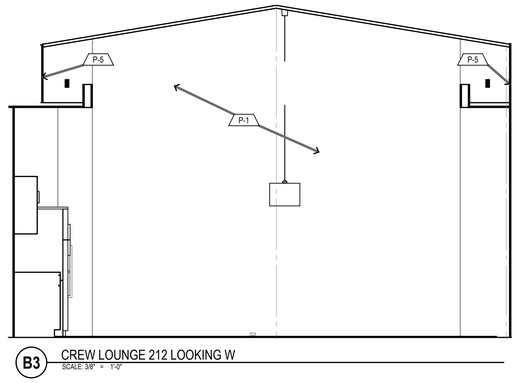
C4 TYP CREW RESTROOM SHOWER
SCALE: 3/8" = 1'-0"



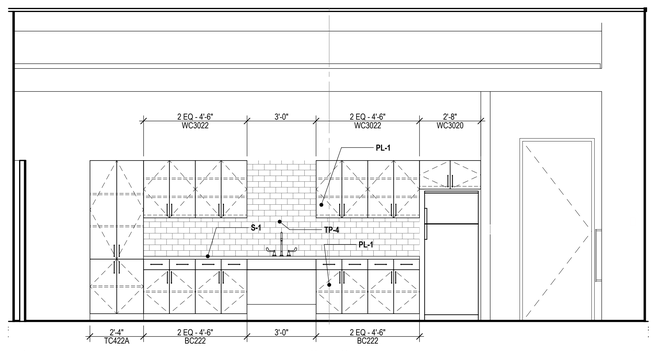
B1 TYP DINING RR LAV & WC
SCALE: 3/8" = 1'-0"



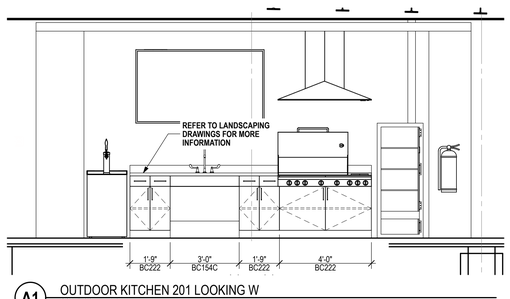
B2 TYP DINING RESTROOM
SCALE: 3/8" = 1'-0"



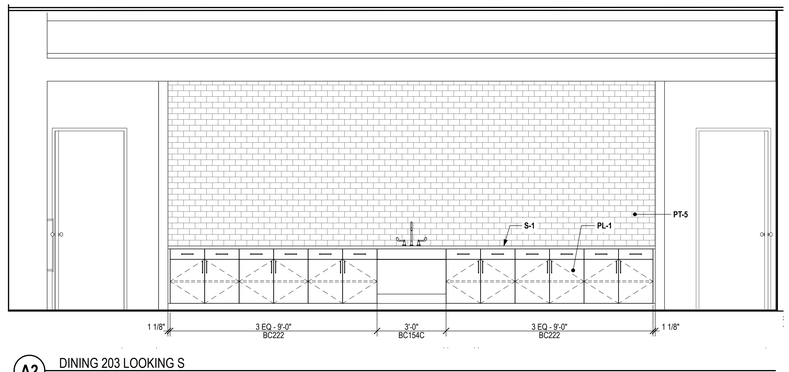
B3 CREW LOUNGE 212 LOOKING W
SCALE: 3/8" = 1'-0"



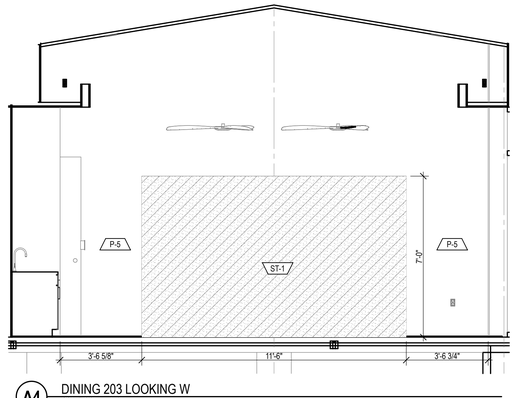
B4 CREW LOUNGE 212 LOOKING S
SCALE: 3/8" = 1'-0"



A1 OUTDOOR KITCHEN 201 LOOKING W
SCALE: 3/8" = 1'-0"



A2 DINING 203 LOOKING S
SCALE: 3/8" = 1'-0"



A4 DINING 203 LOOKING W
SCALE: 3/8" = 1'-0"

CAMERON PARISH PILOT'S LODGE

DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
1	6/21/2024	RE-ISSUED FOR BID
0	11/17/2023	INITIAL ISSUE

EA PROJECT NUMBER: 20039
ARCHITECT: ALAN CREECH
LICENSE #: 9820

ALAN CREECH
REG. NO. 9820
REGISTERED ARCHITECT
STATE OF LOUISIANA
11/17/2023

INTERIOR ELEVATIONS

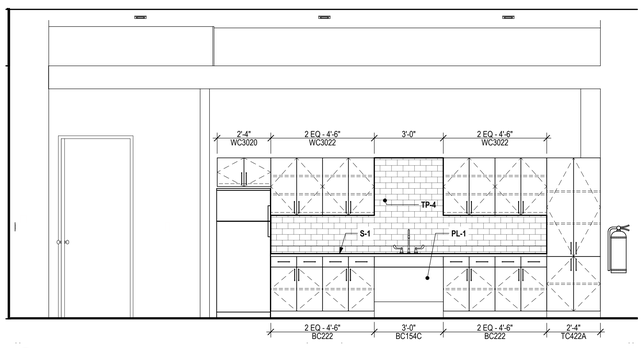
A-401

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

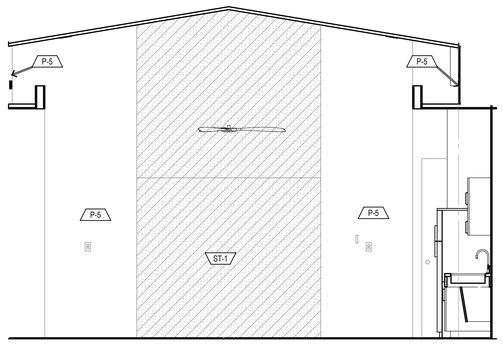
CAMERON PARISH PILOT'S LODGE

DAVIS RD
CAMERON , LA 70631

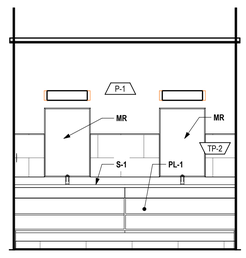
B1 TYP PILOT RESTROOM WATER CLOSET
SCALE: 3/8" = 1'-0"



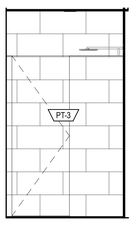
A1 PILOTS LOUNGE 234 LOOKING S
SCALE: 3/8" = 1'-0"



A2 PILOTS LOUNGE 234 LOOKING E
SCALE: 3/8" = 1'-0"



A4 TYP PILOT RESTROOM DOUBLE LAVATORY
SCALE: 3/8" = 1'-0"



A5 TYP PILOT RR SHOWER & WC
SCALE: 3/8" = 1'-0"

REV	DATE	DESCRIPTION
1	6/21/2024	RE-ISSUED FOR BID
0	11/17/2023	INITIAL ISSUE

EA PROJECT NUMBER: 20039
ARCHITECT: ALAN CREECH
LICENSE #: 9820

ALAN CREECH
REG. NO. 9820
REGISTERED ARCHITECT
STATE OF LOUISIANA
11/17/2023

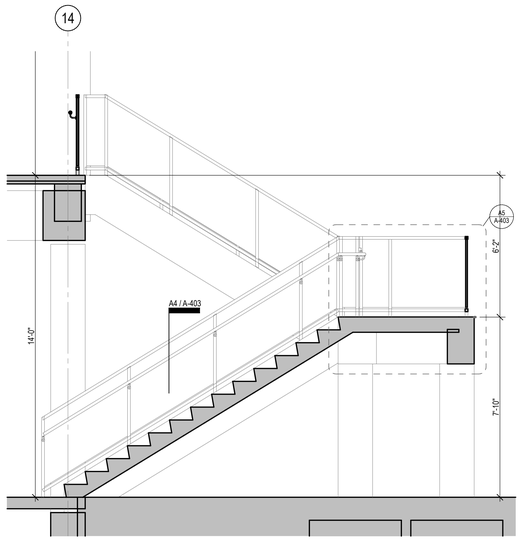
INTERIOR ELEVATIONS

A-402

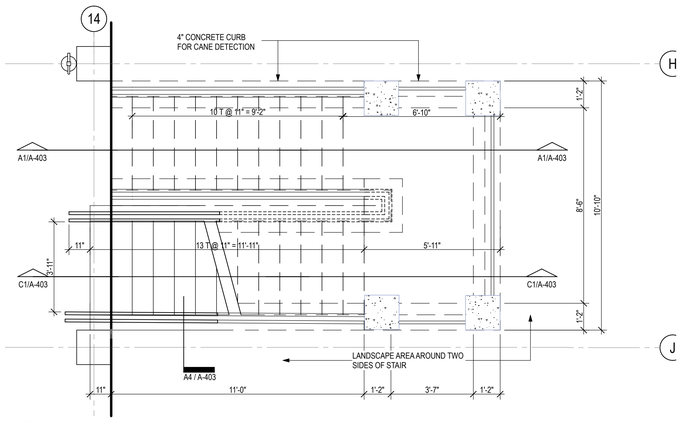
GUARDRAIL NOTES

1. 1 1/2" X 1 1/2" SS TUBE POST
2. 1 5/8" SS DIAMETER ROUND TOP RAIL.
3. 1/8 INCH DIAMETER SS CABLE
4. LAG SCREW
5. 1 1/2" DIAMETER SS PIPE HANDRAIL
6. CAST IN PLACE CONCRETE LANDING

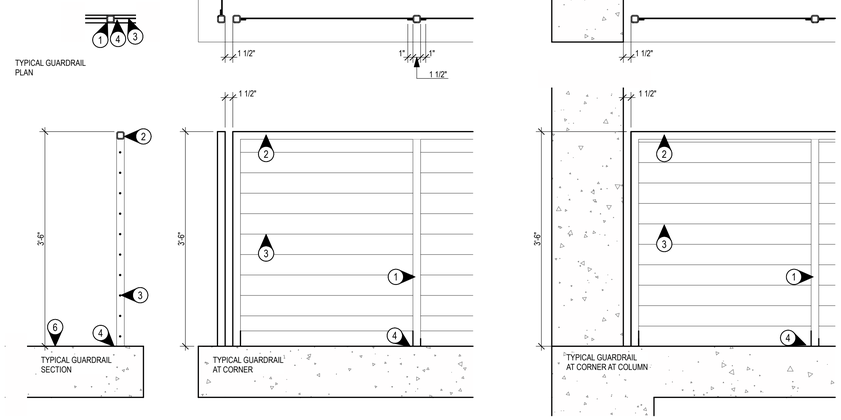
ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com



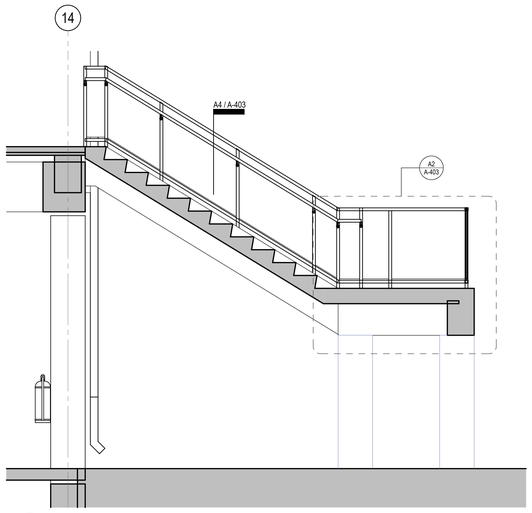
C1 STAIR SECTION B
SCALE: 3/8" = 1'-0"



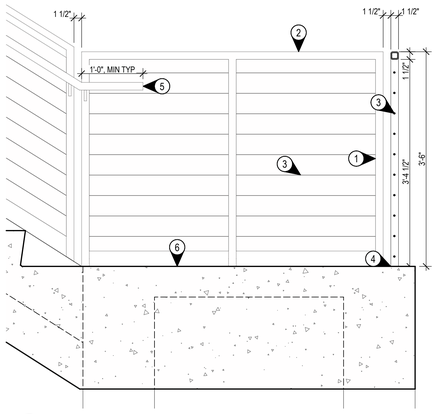
B1 1ST FLOOR ENLARGED PLANS
SCALE: 3/8" = 1'-0"



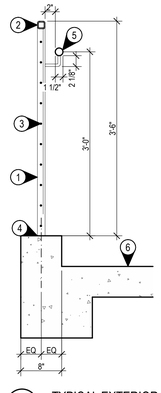
B2 TYPICAL GUARDRAIL DETAIL
SCALE: 1" = 1'-0"



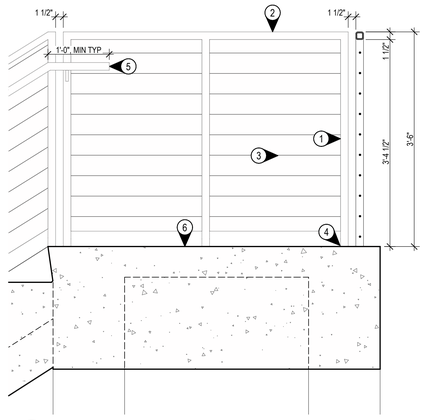
A1 STAIR SECTION A
SCALE: 3/8" = 1'-0"



A2 TYPICAL EXTERIOR STAIR DETAIL
SCALE: 1" = 1'-0"



A4 TYPICAL EXTERIOR STAIR DETAIL
SCALE: 1" = 1'-0"



A5 TYPICAL EXTERIOR STAIR DETAIL
SCALE: 1" = 1'-0"

CAMERON PARISH PILOT'S LODGE

DAVIS RD
CAMERON , LA 70631

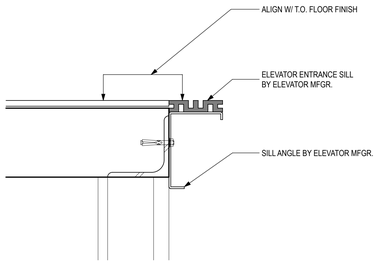
REV	DATE	DESCRIPTION
1	6/21/2024	RE-ISSUED FOR BID
0	11/17/2023	INITIAL ISSUE

EA PROJECT NUMBER: 20039
ARCHITECT: ALAN CREECH
LICENSE #: 9820

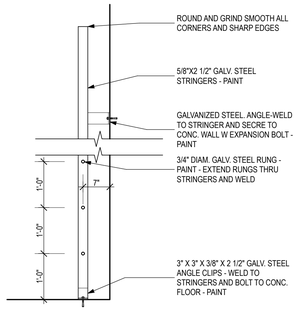
ALAN CREECH
REG NO. 9820
REGISTERED ARCHITECT
STATE OF LOUISIANA
11/17/2023

EXTERIOR STAIR DETAILS

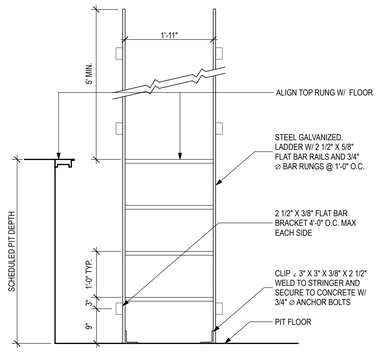
A-403



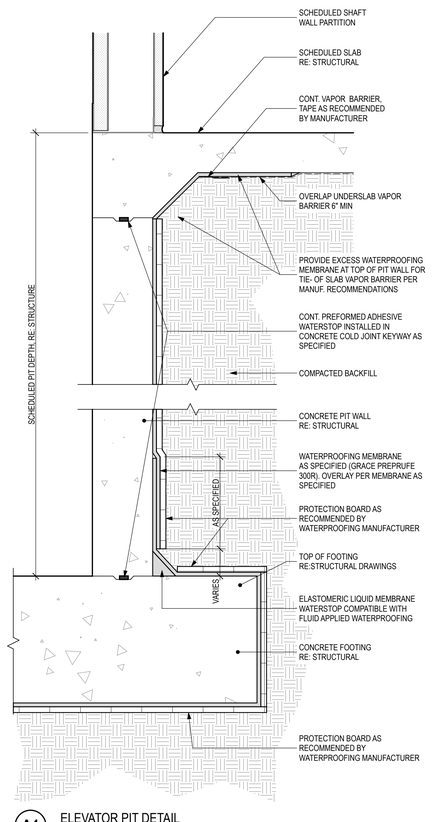
D1 SILL DETAIL AT ELEVATOR
SCALE: 3" = 1'-0"



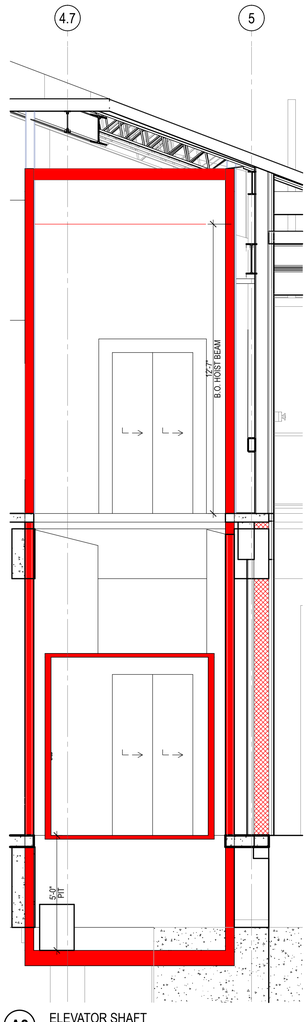
D2 ELEVATOR LADDER SECTION
SCALE: 3/4" = 1'-0"



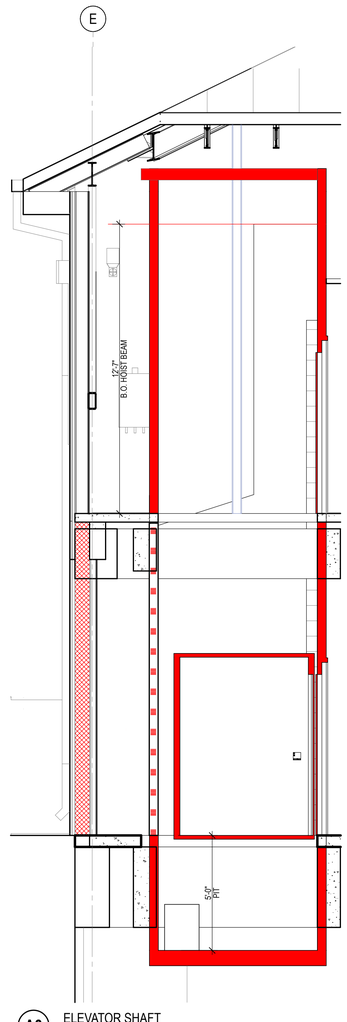
D3 ELEVATOR LADDER DETAIL
SCALE: 3/4" = 1'-0"



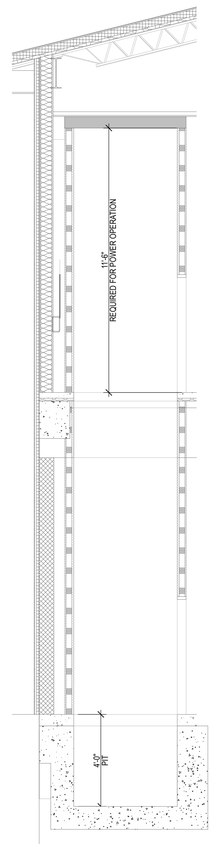
A1 ELEVATOR PIT DETAIL
SCALE: 3" = 1'-0"



A2 ELEVATOR SHAFT
SCALE: 3/8" = 1'-0"



A3 ELEVATOR SHAFT
SCALE: 3/8" = 1'-0"



A4 DUMBWAITER SHAFT
SCALE: 3/8" = 1'-0"

PASSENGER ELEVATORS

ELEV

BASIS OF DESIGN:	SCHINDLER 3100 MRL TRACTION
TRAVEL (FEET):	13'-10"
FLOOR TO FLOOR HEIGHTS:	14'-0"

TYPE

- ☐ TRACTION (GEARED)
- ☐ HYDRAULIC
- ◉ TRACTION (GEARLESS)
- ☐ HYDRAULIC (HOLELESS)
- ◉ MACHINE ROOM-LESS

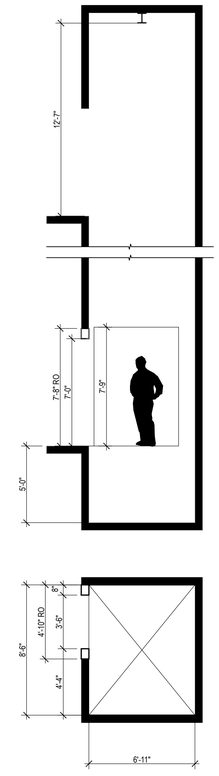
CAPACITY (POUNDS):

☐ 2000 ☐ 2500 ☐ 3000 ◉ 3500 ☐ 4000

SPEED (FPM):

◉ 100 ☐ 200 ☐ 350

TECHNICAL:



FINISHES: GREAT LAKES

DOOR AND FINISH:

- ◉ SINGLE SLIDE
- ☐ CENTER OPENING
- ☐ 2-SPEED SIDE OPENING
- ☐ PAINTED
- ◉ SATIN SSTL
- ☐ MIRROR SSTL
- ☐ SATIN BRONZE
- ☐ MIRROR BRONZE

LANDING PANEL: STANDARD
JAMB MOUNTED HALLWAY ACCESS
CAR OPERATING PANEL: STANDARD
STAINLESS STEEL WITH TEMPERED SAFETY GLASS

CEILING: PAINTED RIGA GREY
BRACKET LED LIGHTING

FLOOR: CT-1, RE: FINISH SCHEDULE

HAND RAIL: 1.5" FLAT SATIN SSTL AT BACK WALL

BACK WALL: STAINLESS STEEL LUCERNE BRUSHED

SIDE WALL: SATIN STAINLESS STEEL

SKIRTING: ALUMINUM ANODIZED

THRESHOLD: ALUMINUM

DOOR FRAME: SATIN STAINLESS STEEL DEPTH AS REQUIRED FOR SPECIFIED WALL AND APPLIED FINISH.

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

CAMERON PARISH PILOT'S LODGE

DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
1	6/21/2024	RE-ISSUED FOR BID
0	11/17/2023	INITIAL ISSUE

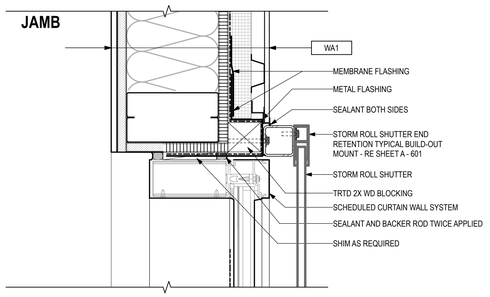
EA PROJECT NUMBER: 20039
ARCHITECT: ALAN CREECH
LICENSE #: 9820

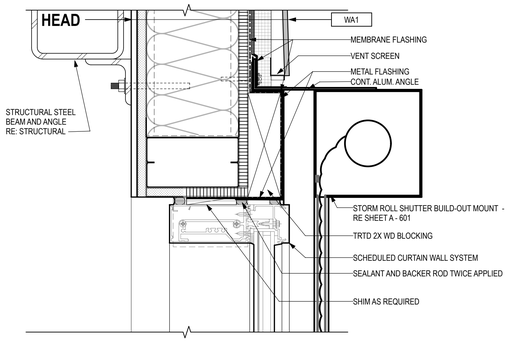
ALAN CREECH REG. NO. 9820 Registered Architect STATE OF LOUISIANA
11/17/2023

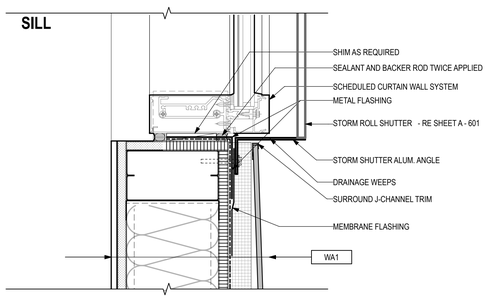
ELEVATOR PLANS AND LIFT DETAILS

A-404

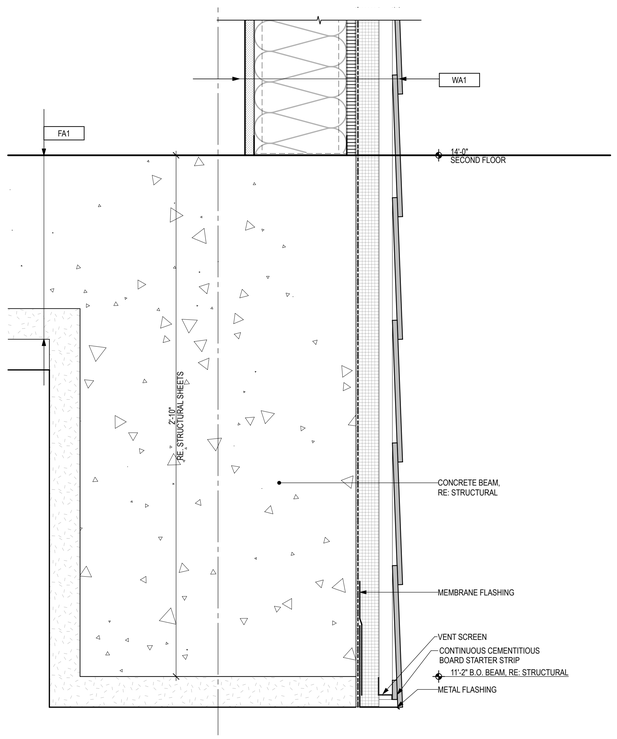
ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com



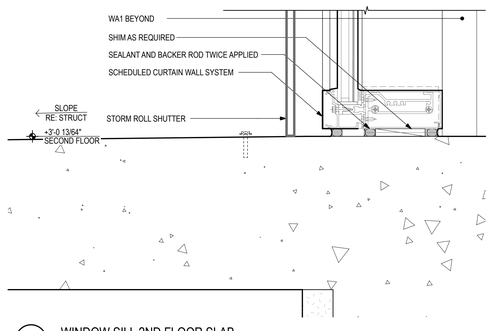




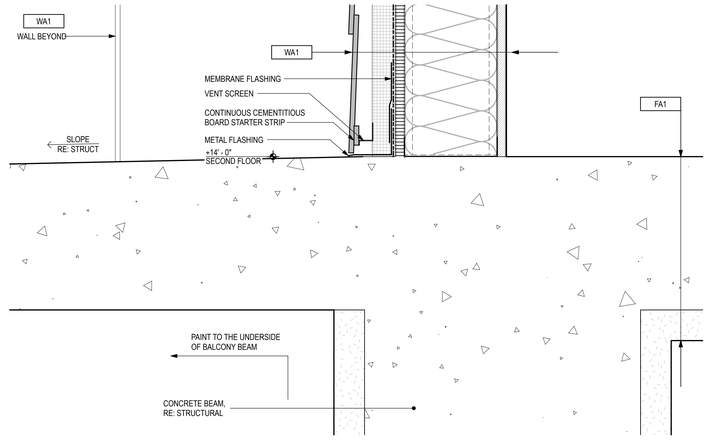
B1 EXTERIOR WINDOW SILL, JAM AND HEAD
SCALE: 3" = 1'-0"



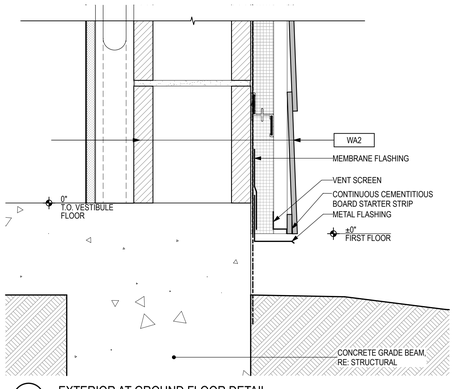
C2 2ND FLOOR AND BEAM DETAILS
SCALE: 3" = 1'-0"



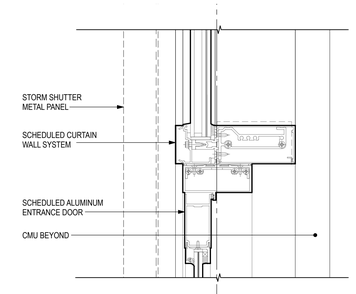
B2 WINDOW SILL 2ND FLOOR SLAB
SCALE: 3" = 1'-0"

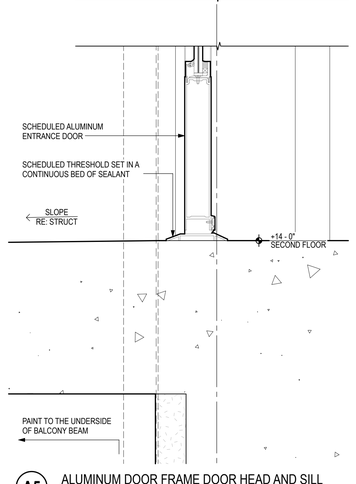


C4 2ND FLOOR WALL SILL DETAIL
SCALE: 3" = 1'-0"

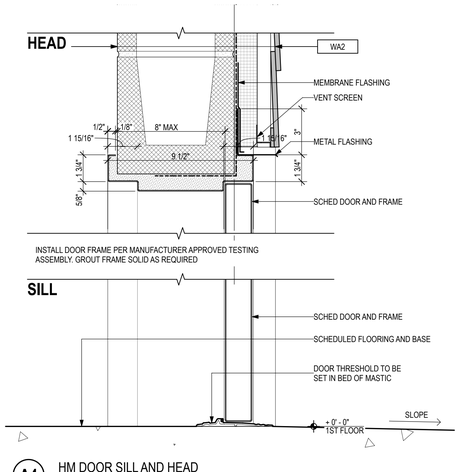


B4 EXTERIOR AT GROUND FLOOR DETAIL
SCALE: 3" = 1'-0"

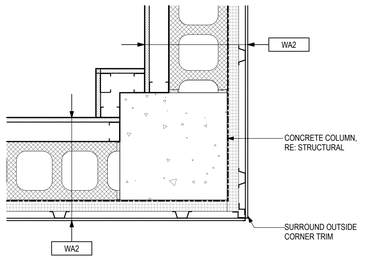




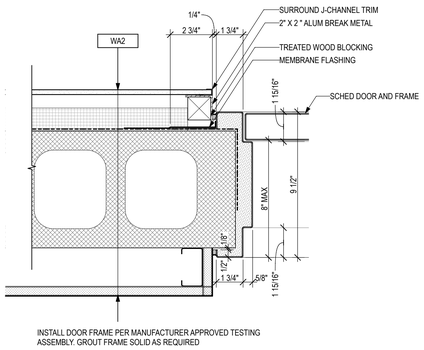
A5 ALUMINUM DOOR FRAME DOOR HEAD AND SILL
SCALE: 3" = 1'-0"



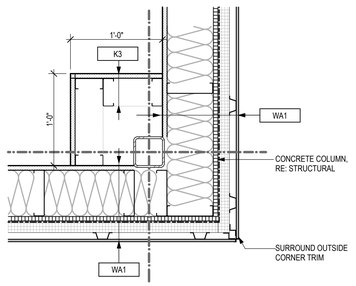
A4 HM DOOR SILL AND HEAD
SCALE: 3" = 1'-0"



A1 PLAN DETAIL 2
SCALE: 1 1/2" = 1'-0"



A2 PLAN DETAIL 3
SCALE: 3" = 1'-0"



A3 PLAN DETAIL 1
SCALE: 1 1/2" = 1'-0"

CAMERON PARISH PILOT'S LODGE
DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
1	6/21/2024	RE-ISSUED FOR BID
0	11/17/2023	INITIAL ISSUE

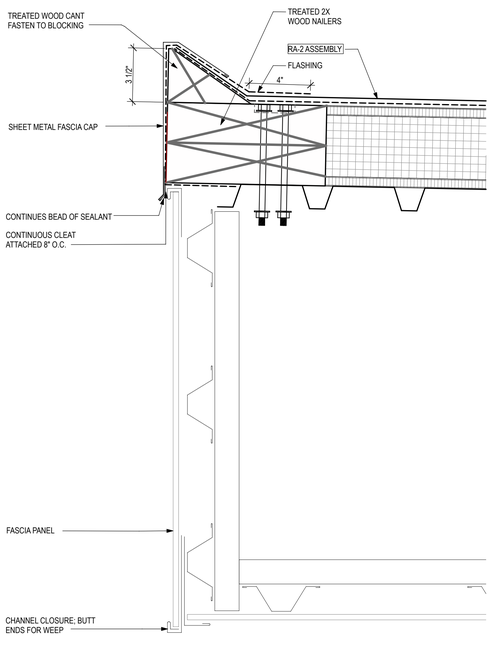
EA PROJECT NUMBER: 20039
ARCHITECT: ALAN CREECH
LICENSE #: 9820

ALAN CREECH REG. NO. 9820 REGISTERED ARCHITECT STATE OF LOUISIANA
11/17/2023

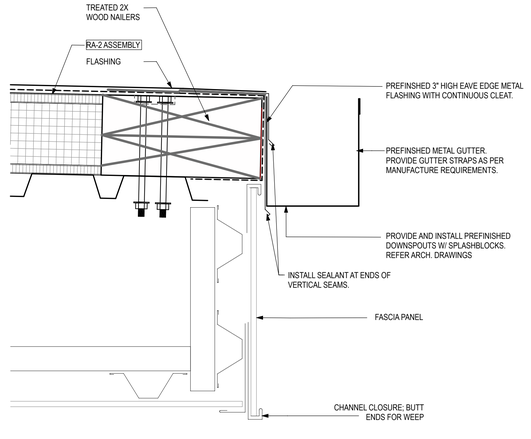
DETAILS
A-501

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

A1 STANDING SEAM - METAL EDGE GUTTER
SCALE: 3" = 1'-0"



A3 STANDING SEAM - METAL EDGE DETAIL
SCALE: 3" = 1'-0"



A4 CANOPY - ROOF EDGE DETAIL
SCALE: 3" = 1'-0"

CAMERON PARISH PILOT'S LODGE

DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
1	6/21/2024	RE-ISSUED FOR BID
0	11/17/2023	INITIAL ISSUE

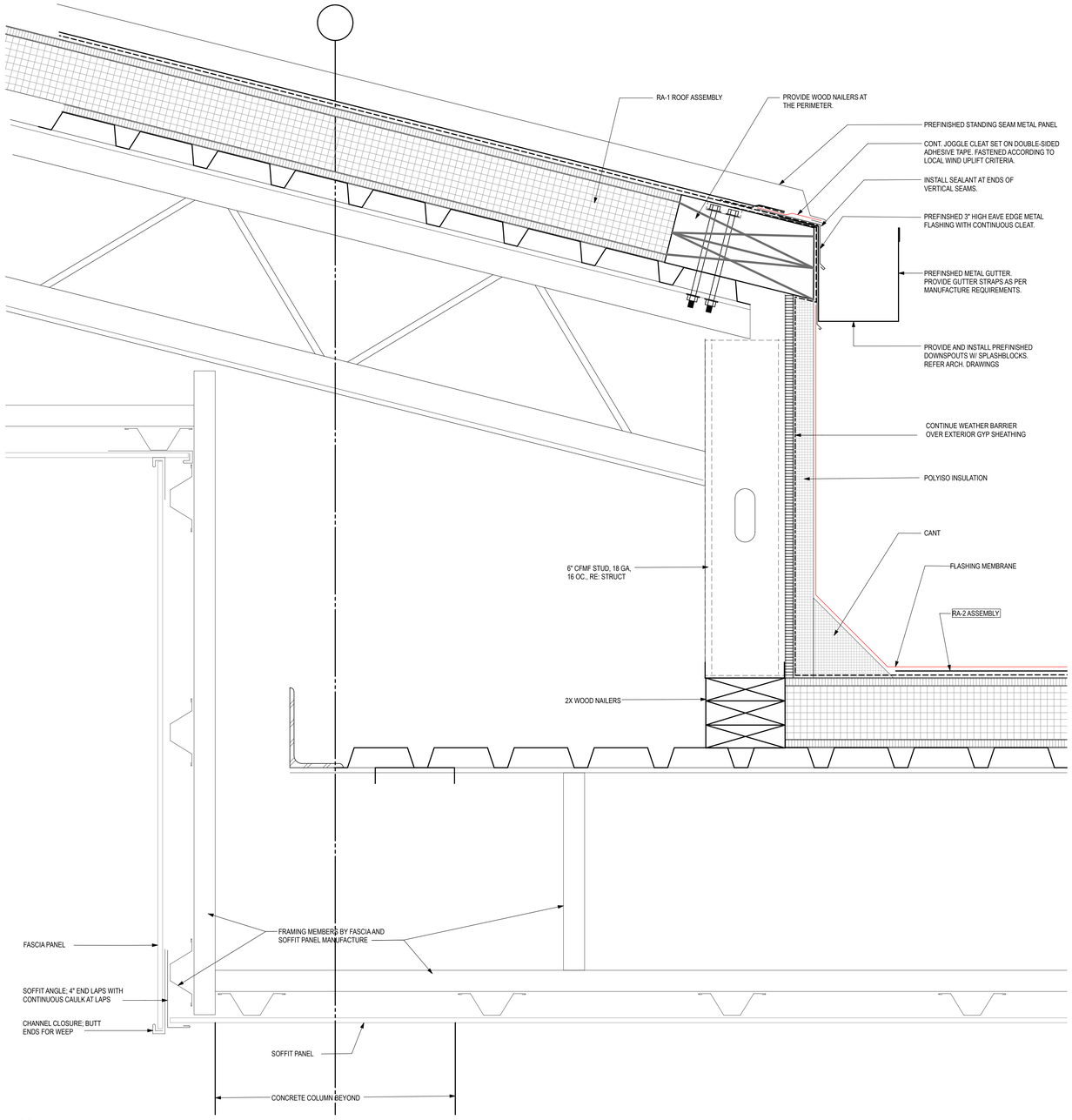
EA PROJECT NUMBER: 20039
ARCHITECT: ALAN CREECH
LICENSE #: 9820

ALAN CREECH
REG. NO. 9820
REGISTERED ARCHITECT
STATE OF LOUISIANA
11/17/2023

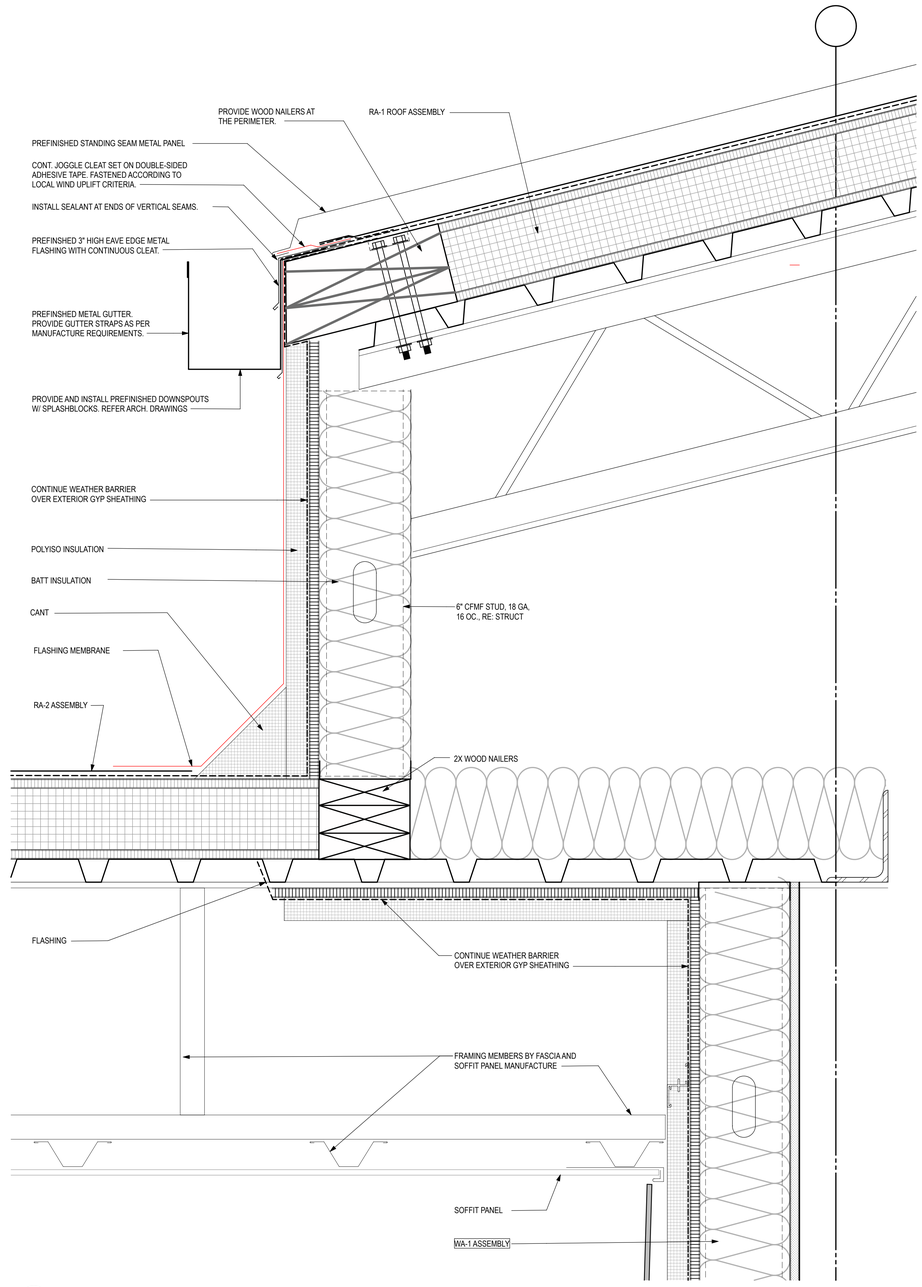
ROOF DETAILS

A-502

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com



A1 STANDING SEAM - METAL EDGE DETAIL
SCALE: 3" = 1'-0"



A3 STANDING SEAM - METAL EDGE DETAIL
SCALE: 3" = 1'-0"

CAMERON PARISH PILOT'S LODGE

DAVIS RD
CAMERON , LA 70631

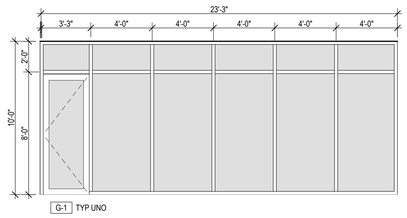
REV	DATE	DESCRIPTION
1	6/21/2024	RE-ISSUED FOR BID
0	11/17/2023	INITIAL ISSUE

EA PROJECT NUMBER: 20039
ARCHITECT: ALAN CREECH
LICENSE #: 9820

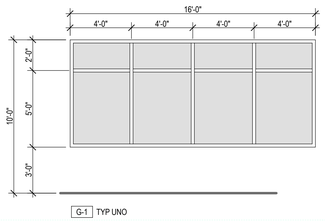
ALAN CREECH
REG. NO. 9820
REGISTERED ARCHITECT
STATE OF LOUISIANA
11/17/2023

ROOF DETAILS

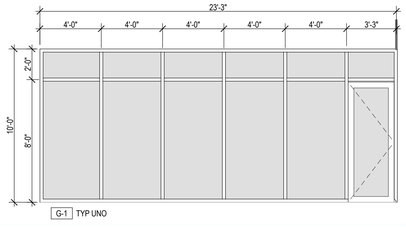
A-503



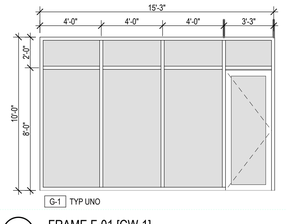
D1 FRAME F-04 [CW-1]
SCALE: 1/4" = 1'-0"



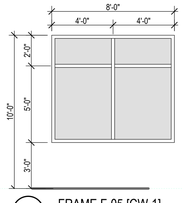
C1 FRAME F-03 [CW-1]
SCALE: 1/4" = 1'-0"



B1 FRAME F-02 [CW-1]
SCALE: 1/4" = 1'-0"



A1 FRAME F-01 [CW-1]
SCALE: 1/4" = 1'-0"



A2 FRAME F-05 [CW-1]
SCALE: 1/4" = 1'-0"

FRAME TYPES

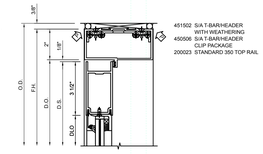
CW-1

ALUM STOREFRONT FRAMING WALL ASSEMBLY

BASIS OF DESIGN: KAWNEER 451T FRAMING SYSTEM (CLEAR ANODIZED)
HURRICANE RESISTANT - BLAST MITIGATION

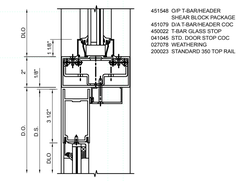
1 5/16 INCH INSUL GLASS, RE: GLAZING TYPES
RE: EXT BLDG ELEVATIONS FOR LOCATIONS

ENTRANCE DETAIL
HEADER



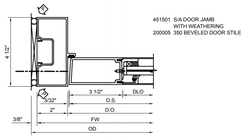
451502 S/A T-BAR/HEADER
WITH WEATHERING
450508 S/A T-BAR/HEADER
CLIP PACKAGE
200023 STANDARD 350 TOP RAIL

ENTRANCE DETAIL
TRANSOM BAR
SINGLE ACTING
FOR CONCEALED CLOSER



451548 O/P T-BAR/HEADER
SHEAR BLOCK PACKAGE
451079 D/A T-BAR/HEADER CDC
450022 T-BAR GLASS STOP
041045 STD. DOOR STOP CDC
027078 WEATHERING
200023 STANDARD 350 TOP RAIL

ENTRANCE DETAIL
DOOR JAMB
3NG WITH
OT/BUTT HINGE



451501 S/A DOOR JAMB
WITH WEATHERING
200005 350 BEVELED DOOR STILE

TRIFAB™ VG™ 451 FRAMING SYSTEM
(1" INFILL)

GLAZING TYPES

G-1

VISION GLASS

BASIS OF DESIGN:	GUARDIAN GLASS
OUTDOOR LITE:	1/4"
AIRSPACE:	AIR 1/2 INCH (12.7MM)
INDOOR LITE:	9/16" LAMINATED
SNX 62/27 SURFACE 2 SUPER NEUTRAL LOW-E	
OUTBOARD SUBSTRATE:	CRYSTALGRAY
INBOARD SUBSTRATE:	CLEAR
EXTERIOR APPEARANCE:	LIGHT GRAY
THICKNESS:	1 5/16 INCH
TRANSMITTANCE VISIBLE:	44%
EXTERIOR REFLECTANCE:	8%
RELATIVE HEAT GAIN:	54
SHADING COEFFICIENT:	0.25
SHGC:	0.22
U-VALUE:	0.29

G-2

VISION SAFETY GLASS

FULLY TEMPERED
CLEAR
1" THICK

STORM ROLL SHUTTER

SRS

PROVIDE STORM ROLL SHUTTER THAT MATCH EACH EXTERIOR STOREFRONT FRAME/WINDOW OPENING.

MANUFACTURER:	ALUTECH UNITED, INC.
WEBSITE:	https://alutech.com/
BASIS OF DESIGN:	STORM ROLL SHUTTER
SLATS:	END RETENTION SHUTTER WITH SINGLE WALL SLATS
TYPE:	EXTERIOR - END RETENTION TYP. BUILD-OUT MOUNT
INDOOR LITE:	9/16" LAMINATED

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

CAMERON PARISH PILOT'S LODGE
DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
1	6/21/2024	RE-ISSUED FOR BID
0	11/17/2023	INITIAL ISSUE

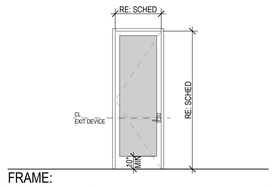
EA PROJECT NUMBER: 20039
ARCHITECT: ALAN CREECH
LICENSE #: 9820

ALAN CREECH
REG. NO. 9820
REGISTERED ARCHITECT
STATE OF LOUISIANA
11/17/2023

FRAMED OPENING SCHEDULE

A-601

A



FRAME:

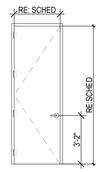
TYPE: STOREFRONT
BLAST MITIGATION, HURRICANE RESISTANCE.
MATERIAL: ALUMINUM
COLOR: CLEAR ANODIZED

PANEL:

TYPE: IMPACT RESISTANT
MATERIAL: ALUMINUM
THICKNESS: 1 3/4"
THERMAL:
COLOR: CLEAR ANODIZED
GLASS TYPE: G1

B

EXTERIOR HOLLOW METAL DOOR AND FRAME TO MEET R-7 MINIMUM VALUE



FRAME:

TYPE: HOLLOW METAL
LARGE & SMALL MISSILE IMPACT RESISTANT AT EXTERIOR DOORS
MATERIAL: HOLLOW METAL
COLOR: FACTORY PRIMED, FIELD PAINTED

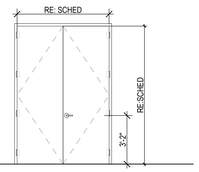
INSTALL PER MANUFACTURER APPROVED TESTING ASSEMBLY. GROUT FRAME SOLID AS REQUIRED

PANEL:

TYPE: FLUSH
LARGE & SMALL MISSILE IMPACT RESISTANT AT EXTERIOR DOORS
MATERIAL: FIBERGLASS, INSULATED
THICKNESS: 1 3/4"
THERMAL: N/A
COLOR: FACTORY PRIMED, FIELD PAINTED
GLASS TYPE: N/A

C

EXTERIOR HOLLOW METAL DOOR AND FRAME TO MEET R-7 MINIMUM VALUE



FRAME:

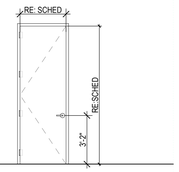
TYPE: HOLLOW METAL
LARGE & SMALL MISSILE IMPACT RESISTANT AT EXTERIOR DOORS
MATERIAL: HOLLOW METAL
COLOR: FACTORY PRIMED, FIELD PAINTED

INSTALL PER MANUFACTURER APPROVED TESTING ASSEMBLY. GROUT FRAME SOLID AS REQUIRED

PANEL:

TYPE: FLUSH
LARGE & SMALL MISSILE IMPACT RESISTANT AT EXTERIOR DOORS
MATERIAL: FIBERGLASS, INSULATED
THICKNESS: 1 3/4"
THERMAL: N/A
COLOR: FACTORY PRIMED, FIELD PAINTED
GLASS TYPE: N/A

D



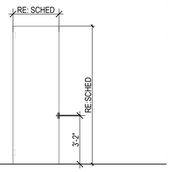
FRAME:

TYPE: HOLLOW METAL
MATERIAL: HOLLOW METAL
COLOR: FACTORY PRIME, FIELD PAINT

PANEL:

TYPE: FLUSH
MATERIAL: SOLID CORE WOOD - HIGH PRESSURE DECORATIVE LAMINATE
THICKNESS: 1 3/4"
THERMAL: N/A
COLOR: PL-1 TYP
GLASS TYPE: N/A

F



FRAME:

TYPE/MATERIAL: METAL HARDWARE KIT SET AS PER MANUF.

PANEL:

TYPE: SLIDING POCKET DOOR
MATERIAL: SOLID CORE WOOD - HIGH PRESSURE DECORATIVE LAMINATE
THICKNESS: 1 3/4"
THERMAL: N/A
COLOR: PL-1 TYP
GLASS TYPE: N/A

G

FRAME:

TYPE: HOLLOW METAL
MATERIAL: HOLLOW METAL
COLOR: FACTORY PRIME, FIELD PAINT

PANEL:

TYPE: FLUSH
MATERIAL: SOLID CORE WOOD - HIGH PRESSURE DECORATIVE LAMINATE
THICKNESS: 1 3/4"
THERMAL: N/A
COLOR: PL-1 TYP
GLASS TYPE: N/A

H

FRAME:

TYPE: HOLLOW METAL
MATERIAL: HOLLOW METAL
COLOR: FACTORY PRIME, FIELD PAINT

PANEL:

TYPE: BIFOLD
MATERIAL: SOLID CORE WOOD - HIGH PRESSURE DECORATIVE LAMINATE
THICKNESS: 1 3/4"
THERMAL: N/A
COLOR: PL-1 TYP
GLASS TYPE: N/A

J

FRAME:

TYPE/MATERIAL: METAL HARDWARE KIT SET AS PER MANUF.

PANEL:

TYPE: BARN DOOR
MATERIAL: SOLID CORE WOOD - HIGH PRESSURE DECORATIVE LAMINATE
THICKNESS: 1 3/4"
THERMAL: N/A
COLOR: PL-1 TYP
GLASS TYPE: N/A

TYPICAL INTERIOR DOOR DIMENSIONS AND CLEARANCES, UNO. SHOWS REQUIRED ACCESSIBILITY CLEARANCES PER ADAAG/TAS SECTION 404.

TYPICAL ADA DOOR SIGNAGE MOUNTING REQUIREMENTS PER ADAAG/TAS SECTION 703

DOOR ID	DOOR W	DOOR H	TYPE	HW SET	NOTES
101	6'-0"	8'-10"	C		
102	6'-0"	8'-6"	C		
103	6'-0"	8'-10"	C		
202A	3'-0"	8'-10"	B		CARD READER
202B	3'-0"	8'-10"	B		CARD READER
203A	3'-0"	7'-10"	D		MAG HOLD OPEN, FR 45 MIN
203B	3'-0"	7'-10"	D		MAG HOLD OPEN, FR 45 MIN
203C	3'-0"	7'-10"	A		CARD READER
204	3'-0"	7'-10"	D		
205	3'-0"	7'-10"	D		
206	3'-0"	7'-10"	D		
207	3'-0"	7'-10"	D		FR 45 MIN
208	6'-0"	7'-10"	G		
208A	6'-3"	7'-10"	H		
208B	6'-3"	7'-10"	H		
209	3'-0"	7'-10"	D		FR 45 MIN
210	3'-0"	7'-10"	D		
211	3'-0"	7'-10"	D		FR 45 MIN
212A	3'-0"	7'-10"	D		MAG HOLD OPEN, FR 45 MIN
212B	3'-0"	7'-10"	A		CARD READER
213	3'-0"	7'-10"	D		FR 45 MIN
213A	4'-4"	7'-10"	G		
213B	4'-4"	7'-10"	G		
214	3'-0"	7'-10"	J		
215	3'-0"	7'-10"	D		FR 45 MIN
215A	4'-4"	7'-10"	G		
215B	4'-4"	7'-10"	G		
216	3'-0"	7'-10"	J		
217	3'-0"	7'-10"	D		FR 45 MIN
217A	4'-4"	7'-10"	G		
217B	4'-4"	7'-10"	G		
218	3'-0"	7'-10"	J		
219	3'-0"	7'-10"	D		FR 45 MIN
219A	4'-4"	7'-10"	G		
219B	4'-4"	7'-10"	G		
221	3'-0"	7'-10"	J		
222	3'-0"	7'-10"	D		FR 45 MIN
222A	4'-4"	7'-10"	G		
222B	4'-4"	7'-10"	G		
223	3'-0"	7'-10"	J		
224	3'-0"	7'-10"	D		FR 45 MIN
224A	4'-4"	7'-10"	G		
224B	4'-4"	7'-10"	G		
225	3'-0"	7'-10"	J		
226	3'-0"	7'-10"	D		FR 45 MIN
226A	4'-4"	7'-10"	G		
226B	4'-4"	7'-10"	G		
227	3'-0"	7'-10"	J		
229A	5'-8"	8'-10"	B		CARD READER
229B	3'-0"	8'-10"	B		CARD READER
231	3'-0"	7'-10"	D		FR 45 MIN
231A	4'-4"	7'-10"	G		
231B	4'-4"	7'-10"	G		
232A	3'-0"	7'-10"	D		FR 45 MIN
232B	3'-0"	7'-10"	D		FR 45 MIN
232C	2'-6"	7'-10"	F		
232D	2'-6"	7'-10"	D		
233	3'-0"	7'-10"	D		FR 45 MIN
233A	4'-4"	7'-10"	G		
233B	4'-4"	7'-10"	G		
234A	3'-0"	7'-10"	D		MAG HOLD OPEN
234B	3'-0"	7'-10"	A		CARD READER
235	3'-0"	7'-10"	D		FR 45 MIN
235A	4'-4"	7'-10"	G		
235B	4'-4"	7'-10"	G		
236A	3'-0"	7'-10"	D		FR 45 MIN
236B	3'-0"	7'-10"	D		FR 45 MIN
236C	2'-6"	7'-10"	F		
236D	2'-6"	7'-10"	D		
237	3'-0"	7'-10"	D		FR 45 MIN
237A	4'-4"	7'-10"	G		
237B	4'-4"	7'-10"	G		
238	3'-0"	7'-10"	D		FR 45 MIN
238A	4'-4"	7'-10"	G		
238B	4'-4"	7'-10"	G		
238A	3'-0"	7'-10"	D		FR 45 MIN
239B	3'-0"	7'-10"	D		FR 45 MIN
239C	2'-6"	7'-10"	F		
239D	2'-6"	7'-10"	D		
241	3'-0"	7'-10"	D		FR 45 MIN
241A	4'-4"	7'-10"	G		
241B	4'-4"	7'-10"	G		

DOOR ID	DOOR W	DOOR H	TYPE	HW SET	NOTES
242	3'-0"	7'-10"	D		FR 45 MIN
242A	4'-4"	7'-10"	G		
242B	4'-4"	7'-10"	G		
243A	3'-0"	7'-10"	D		FR 45 MIN
243B	3'-0"	7'-10"	D		FR 45 MIN
243C	2'-6"	7'-10"	F		
243D	2'-6"	7'-10"	D		
244	3'-0"	7'-10"	D		FR 45 MIN
244A	4'-4"	7'-10"	G		
244B	4'-4"	7'-10"	G		
245	3'-0"	7'-10"	D		FR 45 MIN
245A	4'-4"	7'-10"	G		
245B	4'-4"	7'-10"	G		
246A	3'-0"	7'-10"	D		FR 45 MIN
246B	3'-0"	7'-10"	D		FR 45 MIN
246C	2'-6"	7'-10"	F		
246D	2'-6"	7'-10"	D		
247	3'-0"	7'-10"	D		FR 45 MIN
247A	4'-4"	7'-10"	G		
247B	4'-4"	7'-10"	G		
248	3'-0"	7'-10"	D		FR 45 MIN
248A	4'-4"	7'-10"	G		
248B	4'-4"	7'-10"	G		
249A	3'-0"	7'-10"	D		FR 45 MIN
249B	3'-0"	7'-10"	D		FR 45 MIN
249C	2'-6"	7'-10"	F		
249D	2'-6"	7'-10"	D		
251	3'-0"	7'-10"	D		FR 45 MIN
251A	4'-4"	7'-10"	G		
251B	4'-4"	7'-10"	G		
252	3'-0"	7'-10"	D		FR 45 MIN
252A	4'-4"	7'-10"	G		
252B	4'-4"	7'-10"	G		
253A	3'-0"	7'-10"	D		FR 45 MIN
253B	3'-0"	7'-10"	D		FR 45 MIN
253C	2'-6"	7'-10"	F		
253D	2'-6"	7'-10"	D		
254	3'-0"	7'-10"	D		FR 45 MIN
254A	4'-4"	7'-10"	G		
254B	4'-4"	7'-10"	G		
255	3'-0"	7'-10"	D		
256	3'-0"	7'-10"	D		
261	6'-0"	8'-10"	C		
262	6'-0"	8'-10"	C		

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

CAMERON PARISH PILOT'S LODGE

DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
1	6/21/2024	RE-ISSUED FOR BID
0	11/17/2023	INITIAL ISSUE

EA PROJECT NUMBER: 20039
ARCHITECT: ALAN CREECH
LICENSE #: 9820

ALAN CREECH
REG. NO. 9820
REGISTERED ARCHITECT
STATE OF LOUISIANA
11/17/2023

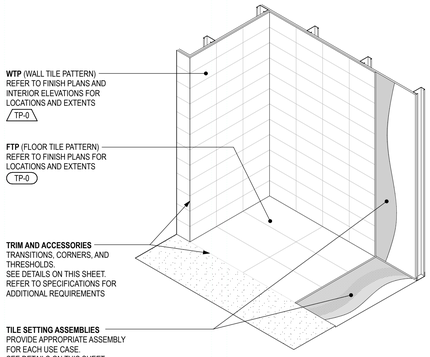
DOOR SCHEDULE

A-611

TILING

NOTES, ASSEMBLIES, & ACCESSORIES

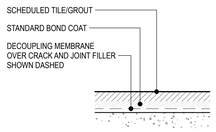
GENERIC TILE PATTERN SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. REFER TO FINISH PLANS AND INTERIOR ELEVATIONS FOR LOCATIONS AND EXTENTS OF PROJECT TILE PATTERNS.



TILE SETTING ASSEMBLIES

TYPICAL FLOOR TILING

LOCATIONS: ALL LOCATIONS NOT INDICATED TO RECEIVE OTHER SETTING MATERIALS.

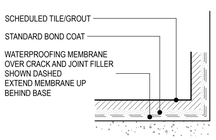


DAMP LOCATION TILING

LOCATIONS: TOILET ROOMS, LOCKER ROOMS

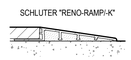
WET LOCATION TILING

LOCATIONS: SHOWERS, KITCHENS, JANITOR CLOSETS

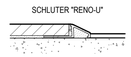


TRIM & ACCESSORIES

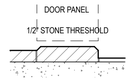
TILE TO CONCRETE



TILE TO RESILIENT FLOORING

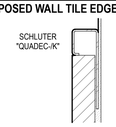


THRESHOLD AT RESTROOM / LOCKERS



OUTSIDE CORNER AT WALL TILE

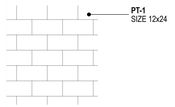
EXPOSED WALL TILE EDGE



TILE PATTERNS

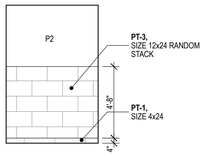
TP-1 FLOOR PATTERN

GROUT: MAPEI 15 BONE



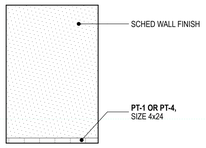
TP-2 WALL PATTERN

GROUT: MAPEI 14 BISCUIT



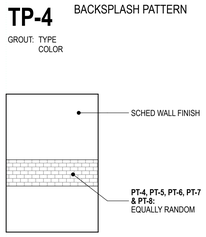
TP-3 WALL PATTERN

GROUT: TYPE COLOR



TP-4 BACKSPLASH PATTERN

GROUT: TYPE COLOR



PORCELAIN TILE

PT-1

MANUFACTURER: THORNTREE SLATE
PRODUCT: MATCH UP
SIZE: 12" x 24" x 9mm
FINISH: NATURAL

COLOR: COOKIE MIX COMFORT

PT-2

MANUFACTURER: THORNTREE SLATE
PRODUCT: MATCH UP 3x3 MOSAIC
SIZE: 12" x 12" x 9mm
FINISH: NATURAL

COLOR: COOKIE MIX COMFORT

PT-3

MANUFACTURER: THORNTREE SLATE
PRODUCT: PASSENGER RANDOM STACK
SIZE: 12" x 24" x 9mm
FINISH: NATURAL

COLOR: EVERYWHERE GREIGE

PT-4

MANUFACTURER: THORNTREE SLATE
PRODUCT: MATCH UP
SIZE: 12" x 24" x 9mm
FINISH: NATURAL

COLOR: COFFEE COMFORT

PT-5

MANUFACTURER: THORNTREE SLATE
PRODUCT: STORIED
SIZE: 2" x 10"
FINISH: GLOSSY

COLOR: SHEEPS WOOL

PT-6

MANUFACTURER: THORNTREE SLATE
PRODUCT: STORIED
SIZE: 2" x 10"
FINISH: GLOSSY

COLOR: NATURAL GREY

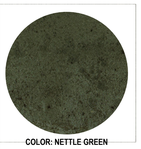
PT-7

MANUFACTURER: THORNTREE SLATE
PRODUCT: STORIED
SIZE: 2" x 10"
FINISH: GLOSSY

COLOR: CHICORY GREIGE

PT-8

MANUFACTURER: THORNTREE SLATE
PRODUCT: STORIED
SIZE: 2" x 10"
FINISH: GLOSSY



COLOR: NETTLE GREEN

ST-1

MANUFACTURER: THORNTREE SLATE
PRODUCT: IMPERIAL MULTI SPLIT FACE
SIZE: 6" x 124"
FINISH: SPLIT FACE

COLOR: IMPERIAL MULTI

WALL FINISHES

PAINT

P-1 LATEX PAINT

MANUFACTURER: BENJAMIN MOORE
PRODUCT: LATEX PAINT
FINISH: EGGSHELL

COLOR: WHITE DOVE OC-17

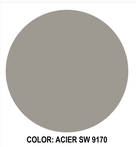
P-2 LATEX PAINT

MANUFACTURER: BENJAMIN MOORE
PRODUCT: LATEX PAINT
FINISH: EGGSHELL

COLOR: SEA HAZE 2137-50

P-3 LATEX PAINT

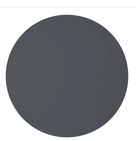
MANUFACTURER: SHERWIN WILLIAMS
PRODUCT: LATEX PAINT
FINISH: EGGSHELL



COLOR: ACIER SW 9170

P-4 LATEX PAINT

MANUFACTURER: BEJAMIN MOORE
PRODUCT: LATEX PAINT
FINISH: EGGSHELL



COLOR: MIDNIGHT BLUE 1638

P-5 LATEX PAINT

MANUFACTURER: SHERWIN WILLIAMS
PRODUCT: LATEX PAINT
FINISH: EGGSHELL

COLOR: MOUNTAIN PASS SW 9655

P-6 LATEX PAINT

MANUFACTURER: SHERWIN WILLIAMS
PRODUCT: LATEX PAINT
FINISH: EGGSHELL

COLOR: CEILING BRIGHT WHITE SW7007

FLOORING

RESILIENT FLOORING

LVT-1 LUXURY VINYL TILE

MANUFACTURER: SHAW CONTRACT
PRODUCT: SOLITUDE 0648V
SIZE: 6"x48" X 5MM

INSTALL: ASHLAR

COLOR: NATURAL 48250

COATINGS

SC SEALED CONCRETE

BASE

RESILIENT BASE

RB-1

MANUFACTURER: ROPPE
PRODUCT: TYPE TP
SIZE: 4" COVED

COLOR: 147 LIGHT BROWN

CEILINGS

SUSPENDED GYP BD

GC

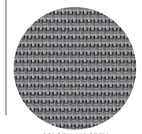
ENGINEERED GYP BD SUSPENSION SYSTEM

WINDOWS

WINDOW SHADES

WSF-1 WINDOW SHADE FABRIC

MANUFACTURER: MECHOSHADE SYSTEMS
PRODUCT: THERMOVEIL 1300 SERIES FABRIC (5% OPENNESS)
USE MOTORIZED WINDOW SHADE SYSTEM AT ALL TRANSOM WINDOWS.
USE MANUAL WINDOW SHADE SYSTEM AT ALL OTHER LOCATIONS.
FOR SHADE SYSTEM DIV 122400.
CONTACT: GAYNOR SHERER 281-655-8433



COLOR: 1313 GREY

CASEWORK

PLASTIC LAMINATE

PL-1

MANUFACTURER: WILSONART
PRODUCT: WALNUT HEIGHTS 7965K-12
FINISH: SOFT GRAIN
DIRECTION: VERTICAL

COLOR: WALNUT HEIGHTS

SOLID SURFACE

SS-1

MANUFACTURER: CAESARSTONE
PRODUCT: 4003 SLEEK CONCRETE
SIZE: 3CM
FINISH: CONCRETE FINISH

COLOR: 4003 SLEEK CONCRETE

SS-2

MANUFACTURER: DALTILE
PRODUCT: ONE QUARTZ SURFACES
STYLE: OQ30 SIMPLY GREY
SIZE: 3CM
FINISH: POLISHED

COLOR: OQ30 SIMPLY GREY

EXTERIOR FINISHES

CP-1

MANUFACTURER: JAMES HARDIE
PRODUCT: FACTORY COLOR

COLOR: TIMBER BARK

AF-1 FASCIA

MANUFACTURER: BERRIDGE
PRODUCT: FW-12
ALUM FINISH PRE-MANUFACTURED METAL FASCIA
HURRICANE RESISTANCE BERRIDGE FRAMING SYSTEM

COLOR: CLEAR ANODIZED

CP-2

MANUFACTURER: JAMES HARDIE
PRODUCT: FACTORY COLOR

COLOR: LIGHT MIST

RP-1

MANUFACTURER: BERRIDGE
PRODUCT: DOUBLE LOCK STANDING SEAM ROOF PANEL

COLOR : TBD

COLOR TO BE SELECTED AT A LATER TIME FROM MANUFACTURER STANDARD COLOR CHART

3-YEAR AGED SOLAR REFLECTANCE 0.55 MIN AND
3-YEAR AGED THERMAL EMITTANCE OF 0.75

3-YEAR AGED SRI: 64 MIN

LP-1

MANUFACTURER: PEMB SUPPLIER
PRODUCT: L-PANEL SOFFIT

COLOR : TBD

COLOR TO BE SELECTED AT A LATER TIME FROM MANUFACTURER STANDARD COLOR CHART

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

CAMERON PARISH PILOT'S LODGE
DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
1	6/21/2024	RE-ISSUED FOR BID
0	11/17/2023	INITIAL ISSUE

EA PROJECT NUMBER: 20039
ARCHITECT: ALAN CREECH
LICENSE #: 9820

ALAN CREECH
38615
REGISTERED ARCHITECT
STATE OF LOUISIANA
11/17/2023

FINISH SCHEDULE
A-621

ARCHITECTURAL WOOD CASEWORK

GENERAL NOTES

- REFER TO INTERIOR ELEVATIONS FOR LOCATION AND EXTENTS OF SCHEDULED FINISHES.
- FIELD VERIFY ALL DIMENSIONS BEFORE FABRICATION.
- CDS NUMBER REFERS TO NORTH AMERICAN ARCHITECTURAL WOODWORKS STANDARDS (NAAWS) CABINET DESIGN SERIES

WOOD CASEWORK - PLASTIC LAMINATE FACED
- REFER TO *SPEC SECTION 06 41 00 - ARCHITECTURAL WOOD CASEWORK*

WOOD CASEWORK - WOOD VENEER FACED
- REFER TO *SPEC SECTION 06 41 00 - ARCHITECTURAL WOOD CASEWORK*

CABINET GRADE AND STYLE
- AWI/AWMAC/WI STANDARD: CUSTOM GRADE
- CABINET STYLE: FLUSH OVERLAY
- CABINET DOORS AND DRAWER FRONTS: FLUSH STYLE
- DRAWER CONSTRUCTION TECHNIQUE: FABRICATOR RECOMMENDED FOR LOAD REQD
- DRAWER CONSTRUCTION: SOLID LUMBER OR HARDWOOD PLYWOOD BODY, SIDES, AND BOTTOM

PLASTIC LAMINATE
- DOORS / DRAWERS FACE, EDGE AND BACK: SCHED PLASTIC LAMINATE
- CABINET LINER AND BALANCE LAMINATE: AS RECOMMENDED BY FABRICATOR; COLOR: WHITE

WOOD VENEERS
- DOORS / DRAWERS FACE, EDGE AND BACK: SCHEDULED VENEER
- CABINET LINER AND BALANCE LAMINATE: AS RECOMMENDED BY FABRICATOR

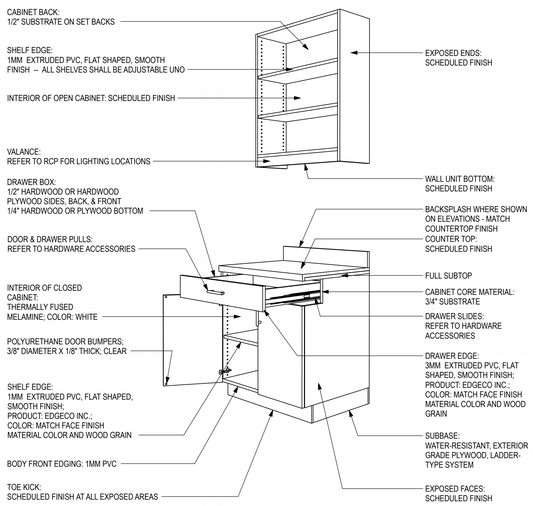
ACCESSORY MATERIALS
- JOINT AND LAMINATING ADHESIVE FOR BONDING SHEET TO SHEET: MANUFACTURER'S TWO COMPONENT JOINT ADHESIVE TO CREATE COLOR MATCHED SEAM
- ADHESIVE FOR BONDING SHEETS TO OTHER MATERIALS: 100 PERCENT SILICONE SEALANT COMPLYING WITH ASTM C 920

LOCKS:
- PROVIDE LOCKS WHERE INDICATED ON ELEVATIONS

GROMMETS:
- PROVIDE GROMMETS WHERE INDICATED ON ELEVATIONS / PLANS

CATCHES:
- PROVIDE ELBOW CATCHES AT INACTIVE LEAFS AT PAIRED DOORS WHERE LOCKS ARE REQUIRED

DOOR BUMPERS:
- PROVIDE BUMPERS AT ALL DOORS AND DRAWERS



HARDWARE & ACCESSORIES

CATCHES
MANUFACTURER: IVES (ALLEGION)
PRODUCT: 2 ELBOW CATCH
FINISH: ALUMINUM
STANDARD: ANSI/BHMA A156.9

DRAWER HINGES
MANUFACTURER: BLUM
PRODUCT: CLIP TOP
STANDARD: ANSI/BHMA A156.9

MAIL SORTER
MANUFACTURER: MAYLINE
PRODUCT: MAILFLOW CLOSED BACK MAIL SORTER-SC6033G
FINISH: MEDIUM TONE
PROVIDE MAGNETIC LABEL HOLDERS-911785

ADJUSTABLE SHELF SUPPORTS
MANUFACTURER: HARDWARE RESOURCES
PRODUCT: 7706CL HEAVY DUTY SHELF LOCK; 500 LBS WEIGHT RATING PER SET OF 4
FINISH: CLEAR PLASTIC
STANDARD: ANSI/BHMA A156.9

WIRE GROMMET
MANUFACTURER: MOCKETT
PRODUCT: MM3-26D (1 3/4") - WITH MM3A LINER, TYP
FINISH: SATIN CHROME

TRASH GROMMET
MANUFACTURER: MOCKETT
PRODUCT: TM10BSSS - 10" DIA AT BCT; TM1CSSS 6" DIA AT LAVT
DEPTH: 3"
FINISH: SATIN STAINLESS STEEL

PULL
MANUFACTURER: ROCKWOOD (ASSA ABLOY)
PRODUCT: WIRE PULL 851 - 3 1/2" CTC, 5/16" D
FINISH: STAINLESS STEEL
STANDARD: ANSI/BHMA A156.9

FILE HANGING RAIL
MANUFACTURER: HAFELE
PRODUCT: EASY SLIDE RAIL FOR HANGING FILE SYSTEM 2.5M W/ ALL REQ'D BRACKETS & MOUNTING DEVICES
VERSION: FOR 1/2" MATERIAL THICKNESS
FINISH: BLACK
LOCATION: PROVIDE AT FILE DRAWERS

TRASH PULLOUT
MANUFACTURER: REV-A-SHELF
PRODUCT: RV-1216-CKBK-1
FINISH: WHITE

DRAWER SLIDES
MANUFACTURER: ACCURIDE
PRODUCT: 3832SC (SELF CLOSING)
FINISH: CLEAR ZINC
LOAD RATING: UP TO 100 LBS
STANDARD: ANSI/BHMA A156.9

MANUFACTURER: ACCURIDE
PRODUCT: 3640A
FINISH: CLEAR ZINC
LOAD RATING: UP TO 200 LBS
STANDARD: ANSI/BHMA A156.9
LOCATION: PROVIDE AT FILE, PAPER, AND TRASH DRAWERS

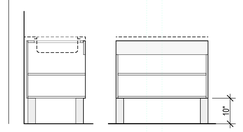
SUPPORT BRACKET
MANUFACTURER: MOCKETT
PRODUCT: SWS2 - 18 1/8"
FINISH: METALLIC SILVER

TRASH CONTAINER
MANUFACTURER: REV-A-SHELF
PRODUCT: 51-50-218
CONTAINER SIZE/COLOR: 50 QT/BLACK
DIMENSIONS: 14 3/4" W X 10 11/16" D X 21 3/4" H

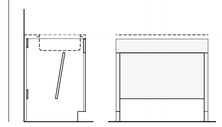
CASEWORK TYPES

BASE CABINETS WITHOUT DRAWERS
TYPICAL DEPTH:
24 INCHES FROM WALL TO EDGE OF COUNTERTOP
UNLESS NOTED OTHERWISE

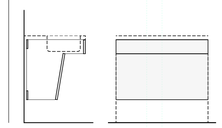
BC150
OPEN SHELVES
SINK



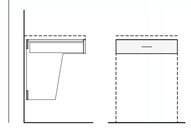
BC154B
CDS 154B
KNEE SPACE W/ BULKHEADS
SINK



BC154C
CDS 154C
KNEE SPACE
SINK

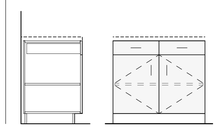


CSD
COUNTER SURFACE
ONE DRAWER
SUPPORT BRACKETS



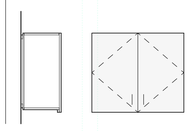
BASE CABINETS WITH DRAWERS
TYPICAL DEPTH:
24 INCHES FROM WALL TO EDGE OF COUNTERTOP
UNLESS NOTED OTHERWISE

BC222
CDS 222
DOUBLE TOP DRAWER
DOUBLE DOOR
ONE ADJ SHELF

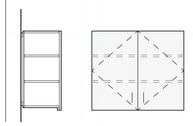


WALL HUNG CABINETS
TYPICAL DEPTH:
12 INCHES FROM WALL TO FACE OF FRONT
UNLESS NOTED OTHERWISE

WC3020
CDS 302
DOUBLE DOOR
NO SHELVES

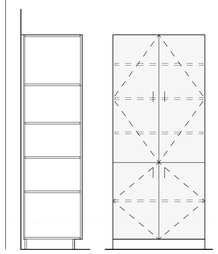


WC3022
CDS 302
DOUBLE DOOR
TWO ADJ SHELF

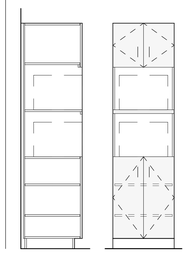


TALL STORAGE CABINETS
TYPICAL DEPTH:
24 INCHES FROM WALL TO FACE OF FRONT
UNLESS NOTED OTHERWISE

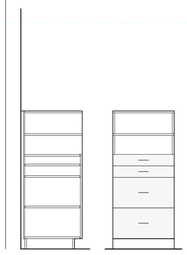
TC422A
TWO TIER TOWER
DOUBLE DOORS
FOUR ADJ SHELVES



TCM
MICROWAVE TOWER
FIXED & ADJUSTABLE SHELVES

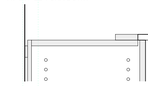


TCV
VANITY TOWER
DRAWERS & OPEN SHELVES

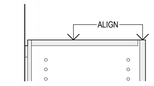


CASEWORK DETAILS

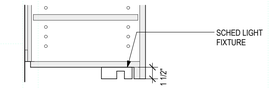
WALL HUNG UPPER CABINET - TOP
AT GYP BD FURR DOWN



WALL HUNG UPPER CABINET - TOP
AT NO FURR DOWN

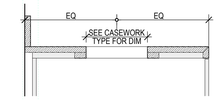


WALL HUNG UPPER CABINET - BOTTOM

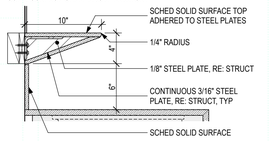


COUNTER TOP
SOLID SURFACE EDGE

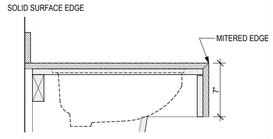
TRASH OPENING
THICKENED SOLID SURFACE EDGE



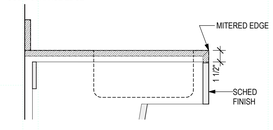
LAVATORY SHELF
SOLID SURFACE SHELF ABOVE LAVATORY



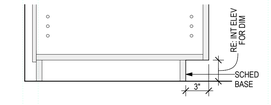
LAVATORY
SOLID SURFACE EDGE



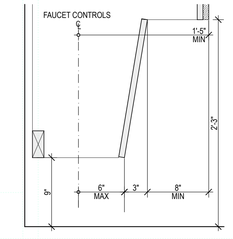
BREAK ROOM SINK
SOLID SURFACE EDGE



TOE KICK



KNEE AND TOE CLEARANCE



ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

CAMERON PARISH PILOT'S LODGE
DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
1	6/21/2024	RE-ISSUED FOR BID
0	11/17/2023	INITIAL ISSUE

EA PROJECT NUMBER: 20039
ARCHITECT: ALAN CREECH
LICENSE #: 9820

ALAN CREECH 38570 REGISTERED ARCHITECT STATE OF LOUISIANA
11/17/2023

CASEWORK TYPES & DETAILS

A-631

RESTROOM ACCESSORIES

T-1
STRAIGHT GRAB BARS

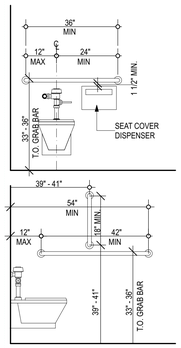
PRODUCT:
MANUFACTURER: BOBRICK
STYLE: 36" STRAIGHT GRAB BAR
PRODUCT: B-6806 X 36
COLORS: TYPE 304 STAINLESS STEEL WITH SATIN FINISH

PRODUCT:
MANUFACTURER: BOBRICK
STYLE: 42" STRAIGHT GRAB BAR
PRODUCT: B-6806 X 42
COLORS: TYPE 304 STAINLESS STEEL WITH SATIN FINISH

PRODUCT:
MANUFACTURER: BOBRICK
STYLE: 18" STRAIGHT GRAB BAR
PRODUCT: B-6806 X 18
COLORS: TYPE 304 STAINLESS STEEL WITH SATIN FINISH

SUBSTITUTIONS: SEE SPECIFICATION FOR ADDITIONAL PRODUCT REQUIREMENTS

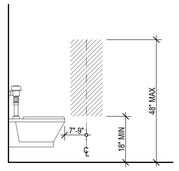
MOUNTING INFO



T-2
TISSUE DISPENSER

PRODUCT:
MANUFACTURER: BOBRICK
STYLE: SURFACE-MOUNTED
PRODUCT: B-2888
FINISH: SATIN STAINLESS

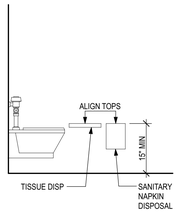
MOUNTING INFO



T-3
SANITARY NAPKIN DISPOSAL

PRODUCT:
MANUFACTURER: BOBRICK
STYLE: SURFACE-MOUNTED
PRODUCT: B-270
FINISH: SATIN STAINLESS

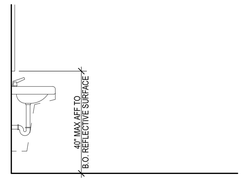
MOUNTING INFO



T-5
MIRROR

PRODUCT:
MANUFACTURER: BOBRICK
STYLE: B-165 2436
SIZE: 24" X 36"

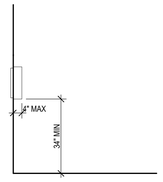
MOUNTING INFO



T-6
ELECTRIC HAND DRYER

PRODUCT:
MANUFACTURER: DYSON
PRODUCT: AIRBLADE V
FINISH: SPRAYED NICKEL

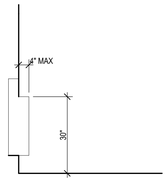
MOUNTING INFO



T-7
RECESSED TRASH CONTAINER

PRODUCT:
MANUFACTURER: BOBRICK
STYLE: RECESSED
PRODUCT: B-3644
COLORS: STAINLESS

MOUNTING INFO



CLOTHES HOOK

PRODUCT:
MANUFACTURER: BOBRICK
STYLE: CLOTHES HOOK WITH BUMPER
PRODUCT: B-212
COLOR: SOLID ALUMINUM CASTING

T-9
URINAL SCREENS

PRODUCT:
MANUFACTURER: BRADLEY
STYLE: WALL-ANCHORED
PRODUCT: SERIES 400 BRADMAR
COLOR: CANYON GRANITE

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

CAMERON PARISH PILOT'S LODGE
DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
1	6/21/2024	RE-ISSUED FOR BID
0	11/17/2023	INITIAL ISSUE

EA PROJECT NUMBER: 20039
ARCHITECT: ALAN CREECH
LICENSE #: 9820

ALAN CREECH
11/17/2023

RESTROOM ACCESSORIES
A-641

PLUMBING SYMBOL LEGEND
(CONTINUED)

SYMBOL	DESCRIPTION
	PLUG VALVE
	PRESSURE REDUCING VALVE
	TEMPERATURE AND PRESSURE RELIEF VALVE
	BALL VALVE
	STRAINER
	UNION
	GATE VALVE
	GLOBE VALVE
	CHECK VALVE
	BUTTERFLY VALVE
	VENT THRU ROOF
	HOSE BIBB
	HOSE BIB
	ANGLE VALVE
	BALANCING VALVE
	FIRE DEPARTMENT VALVE AT RISER
	SOLENOID VALVE
	OS+Y VALVE
	MOTOR CONTROLLED VALVE
	REDUCED PRESSURE BACKFLOW PREVENTER
	VALVE IN RISE
	PNEUMATICALLY CONTROLLED VALVE
	ACCESS PANEL FOR TRAP PRIMER
	ACCESS PANEL LOCATION SYMBOL
	UNION
X X X X	ITEMS TO BE REMOVED
	PRESSURE GAUGE
	THERMOMETER
CD	CONDENSATE DRAIN LINE
	BRANCH CONNECTION, TOP
	BRANCH CONNECTION, BOTTOM
	ELBOW UP
	ELBOW DOWN
	CLEANOUT (AT FLOOR) (FCO)
	CLEANOUT (ON GRADE) WITH 18" X 18" X 4" CONCRETE PAD (COTG)
	CLEANOUT (TWO-WAY) (PROVIDE CONCRETE PAD OUTSIDE 18" X 24" X 4")
	WALL CLEANOUT
	FLOOR DRAIN
	FLOOR DRAIN/FLOOR SINK (FD) (FS)
	SHOCK ABSORBER
	STRAINER
	PIPE CONTINUATION
	NEW CONNECTION TO EXISTING
	HUB DRAIN (HD)
	BRANCH CONNECTION OUT OF BOTTOM
	BRANCH CONNECTION OUT OF SIDE
	BRANCH CONNECTION OUT OF TOP
	CAP ON END OF PIPE
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER

PLUMBING PIPING LEGEND

PIPE TYPE	ABBREV	DESCRIPTION
AV	AV	ACID WASTE VENT
AW	AW	ACID WASTE
AI	AI	AIR COMPRESSOR INTAKE
CAI	CAI	COMBUSTION AIR INTAKE
CA	CA	COMPRESSED AIR
DV	DV	DENTAL VACUUM
CW	CW	DOMESTIC COLD WATER
CWM	CWM	DOMESTIC COLD WATER MAKE-UP
CWS	CWS	DOMESTIC COLD WATER SOFTENED
HW	HW	DOMESTIC HOT WATER
HWR	HWR	DOMESTIC HOT WATER RETURN
TW	TW	TEMPERED WATER
FPAS	FPAS	FIRE PROTECTION AUTOMATIC SPRINKLER
FPD	FPD	FIRE PROTECTION DRY
FPO	FPO	FIRE PROTECTION OTHER
FPPA	FPPA	FIRE PROTECTION PRE-ACTION
FPW	FPW	FIRE PROTECTION WET
FGE	FGE	FLUE GAS EXHAUST
GW	GW	GREASE WASTE
GWW	GWW	GREY WATER WASTE
MA	MA	MEDICAL AIR
CO2	CO2	MEDICAL CARBON DIOXIDE
N	N	MEDICAL NITROGEN
N2O	N2O	MEDICAL NITROUS OXIDE
O	O	MEDICAL OXYGEN
MV	MV	MEDICAL VACUUM
WAGD	WAGD	MEDICAL WAGD
G	G	NATURAL GAS
RO	RO	REVERSE OSMOSIS WATER
SAN	SAN	SANITARY WASTE
PSAN	PSAN	SANITARY PUMPED
SV	SV	SANITARY VENT
SD	SD	STORM
OD	OD	STORM OVERFLOW
PSD	PSD	STORM PUMPED
TP	TP	TRAP PRIMER
V	V	VACUUM
VE	VE	VACUUM PUMP EXHAUST
		(N)NEW CONNECTION TO (E)EXISTING
		NEW CONSTRUCTION
		EXISTING TO REMAIN
		EXISTING TO BE DEMOLISHED

PLUMBING NOTES AND DESIGNATIONS

1 / P-1	SECTION DESIGNATION
I.E=X'-0"	INVERT ELEVATION NOTE
1 2	NOTE DESIGNATIONS
P-XX	PLUMBING FIXTURE DESIGNATION
DS / 1	RISER DIAGRAM DESIGNATION DS = DOWNSPOUT, P = PLUMBING, F = FIRE, AW = ACID WASTE

ABBREVIATIONS

A.D.	AREA DRAIN	H.W.	HOT WATER
AFC	ABOVE FINISHED CEILING	H.W.R.	HOT WATER RETURN
AFF	ABOVE FINISHED FLOOR	HGT	HEIGHT
AFG	ABOVE FINISHED GRADE	HORIZ	HORIZONTAL
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	HP	HORSEPOWER
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS	HVAC	HEATING, VENTILATING & AIR CONDITIONING
ARCH	ARCHITECTURAL	IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS
ATS	AUTOMATIC TRANSFER SWITCH	INSUL	INSULATION
AUX	AUXILLARY	INV.	INVERT
B.F.P.	BACKFLOW PREVENTER	LAV	LAVATORY
B.V.	BALANCING VALVE	MTD	MOUNTED
B.D.	BALCONY DRAIN	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
B.S.	BAR SINK	N.C.	NORMALLY CLOSED
B.T.	BATHTUB / SHOWER	N.O.	NORMALLY OPEN
C.V.	CHECK VALVE	OFCI CONTRACTOR	OWNER FURNISHED AND INSTALLED
C.O.	CLEANOUT	OFI	OWNER FURNISHED AND INSTALLED
C.W.	COLD WATER	PH	PHASE
COL	COLUMN	PLB	PLUMBING
COND.	CONDENSATE	PVC	POLYVINYL CHLORIDE
CONT.	CONTINUE	LBS	POUNDS
CFH	CUBIC FEET PER HOUR	P.S.I.	POUNDS PER SQUARE INCH
CFM	CUBIC FEET PER MINUTE	REL	RELOCATE
D.D.	DECK DRAIN	RM	ROOM
°F	DEGREES FARENHEIT	SK	SINK
D.	DRAIN	SPECS	SPECIFICATIONS
D.F.U.	DRAINAGE FIXTURE UNITS	SPKLR	SPRINKLER
DIA	DIAMETER	TYP	TYPICAL
DWG	DRAWING	UL INC.	UNDERWRITERS LABORATORIES,
(E)	EXISTING / EXISTING TO REMAIN	UR	URINAL
EQMT	EQUIPMENT	VENT	VENTILATING
F.D.C.	FIRE DEPARTMENT CONNECTION	V.T.R.	VENT THRU ROOF
F.H.C.	FIRE HOSE CABINET	VERT	VERTICAL
F.	FIRE	V	VOLTS
FIXT	FIXTURE	W.C.O.	WALL CLEAN OUT
FL	FLUSH	W.H.	WALL HYDRANT
FT	FEET	W.B.	WASHER BOX
F.F. FLR	FINISHED FLOOR FLOOR	W&V	WASTE AND VENT
F.C.O.	FLOOR CLEAN OUT	WS	WASTE STACK
F.D.	FLOOR DRAIN	WC	WATER CLOSET
F.S.	FLOOR SINK	W.C.	WATER COLUMN
GA	GAUGE		
GALV	GALVANIZED		
G.P.H.	GALLONS PER HOUR		
G.P.M.	GALLONS PER MINUTE		
G.V.	GREASE VENT		
G.C.O.	GRADE CLEAN OUT		
GC	GENERAL CONTRACTOR		
GT	GREASE TRAP		
G.W.	GREASE WASTE		

PIPE MATERIAL LIST

ABOVE GRADE, INSIDE BUILDING:

STORM, SANITARY WASTE, AND VENT PIPING SHALL BE:

SOLID-WALL PVC PIPE: ASTM D 2665, DRAIN, WASTE, AND VENT. PVC SOCKET FITTINGS: ASTM D 2665, MADE TO ASTM D 3311, DRAIN, WASTE, AND VENT PATTERNS AND TO FIT SCHEDULE 40 PIPE.

DOMESTIC WATER PIPING SHALL BE:
HARD COPPER TUBE: ASTM B 88, TYPE L (ASTM B 88M, TYPE B) WATER TUBE, DRAWN TEMPER. WROUGHT-COPPER SOLDER-JOINT FITTINGS: ASME B16.22, WROUGHT-COPPER PRESSURE FITTINGS AND 95-5 SOLDER JOINTS.

NATURAL GAS PIPING SHALL BE:
ASTM A 53/A 53M, BLACK STEEL, SCHEDULE 40, TYPE E OR S, GRADE B.MALLEABLE-IRON THREADED FITTINGS: ASME B16.3, CLASS 150, STANDARD PATTERN BANDED AIR TESTED AND SCREWED JOINTS.

FIRE PROTECTION PIPING SHALL BE:
SCHEDULE 40 BLACK STEEL PIPE IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA FOR APPLICABLEFIRE PROTECTION SYSTEMS. CONFORM TO ASTM A53 AND A120. PROVIDE PIPING WITH MALLEABLE IRON, CAST IRON, STEEL WELDED OR SCREWED FITTINGS. VICTAULIC GROOVED FITTINGS MAY BE USED ABOVE GRADE IN ACCESSIBLE LOCATIONS ONLY.

BELOW GRADE INSIDE BUILDING:

STORM, SANITARY WASTE, AND VENT PIPING SHALL BE:
SOLID-WALL PVC PIPE: ASTM D 2665, DRAIN, WASTE, AND VENT. PVC SOCKET FITTINGS: ASTM D 2665, MADE TO ASTM D 3311, DRAIN, WASTE, AND VENT PATTERNS AND TO FIT SCHEDULE 40 PIPE.

DOMESTIC WATER PIPING SHALL BE:
DRAWN (HARD) COPPER WATER TUBE, TYPE "L", ASTM B88, WITH WROUGHT COPPER FITTINGS, ANSI B16.22 AND 95-5 SOLDER JOINTS.

ABOVE GRADE, OUTSIDE BUILDING:

DOMESTIC WATER PIPING SHALL BE:
SIZES 2-1/2 INCHES AND SMALLER: COPPER WATER TUBE, TYPE "K" RIGID, ASTM B-88 WITH WROUGHT COPPER FITTINGS, ANSI B16.22 AND 95-5 SOLDER JOINTS. PROVIDE 1 INCH THICK MOLDED FIBERGLASS INSULATION COVERED ALUMINUM JACKET.
SIZES 3 INCHES AND LARGER: CAST IRON PIPE 150 PSI CLASS WITH BELL AND SPIGOT CLASS C CAST IRON OR ASTM A-53 PIPE, STEEL, HOT DIPPED MECHANICAL FITTINGS. PROVIDE 1 INCH THICK MOLDED FIBERGLASS INSULATION COVERED ALUMINUM JACKET.

NATURAL GAS PIPING SHALL BE:
SCHEDULE 40 BLACK STEEL, SEAMLESS, OR ELECTRIC RESISTANCE WELDED, ASTM A-53 WITH WELDED JOINTS AND STEEL FITTINGS SAME THICKNESS AS PIPE. PIPING 2 INCHES AND SMALLER MAY BE SCHEDULE 40 BLACK STEEL PIPE WITH MALLEABLE IRON 150 PSI CLASS FITTINGS ANSI B16.3, BANDED AIR TESTED AND SCREWED JOINTS. PROVIDE FACTORY-APPLIED, THREE-LAYER COATING OF EPOXY, ADHESIVE, AND EPOXY PAINT COATING ON ALL PIPE AND FITTINGS. FIELD APPLIED COATING IS RESTRICTED TO FITTINGS AND SHORT SECTIONS OF PIPE NECESSARILY STRIPPED FOR THREADING OR WELDING. FIELD COATING SHALL BE MANUFACTURED BY AMERCOAT TYPE 240 OR APPROVED EQUAL AND APPLIED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. GALVANIZING SHALL NOT BE CONSIDERED ADEQUATE PROTECTION.

GENERAL NOTES

1. ALL CONTRACT DOCUMENTS (SPECIFICATIONS AND DRAWINGS), I.E., ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL ARE COMPLEMENTARY AND MUST BE USED IN COMBINATION TO OBTAIN COMPLETE CONSTRUCTION INFORMATION.
2. ALL CONFLICTS, WHICH MAY PREVENT THE COMPLETION OF WORK AS INTENDED, SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION.
3. THE CONTRACTOR SHALL NOT PROCEED WITH ANY RELATED WORK UNTIL ALL CONFLICTS ARE RESOLVED AND THE CLARIFYING INFORMATION IS ISSUED TO THE CONTRACTOR BY THE ARCHITECT.
4. IT IS THE INTENTION OF THESE DRAWINGS TO CALL FOR FINISHED WORK, I.E., FULLY ADJUSTED, TESTED, AND READY FOR OPERATION.
5. WHEREVER THE WORD "PROVIDE" IS USED, IT SHALL MEAN, "FURNISH AND INSTALL COMPLETE AND READY FOR USE."
6. THE PLUMBING DRAWINGS ARE DIAGRAMMATIC AND DO NOT NECESSARILY SHOW EVERY COMPONENT AND/OR ACCESSORY REQUIRED FOR A COMPLETE INSTALLATION. THE CONTRACTOR SHALL INCLUDE SUCH ITEMS AS ARE REQUIRED TO ENSURE THAT THE ENTIRE SYSTEM IS FUNCTIONING IN COMPLIANCE WITH APPLICABLE CODES, ACCEPTED INDUSTRY STANDARDS, AND MANUFACTURER'S INSTALLATION REQUIREMENTS/RECOMMENDATIONS UPON COMPLETION OF THE WORK.
7. ALL CUTTING, DRILLING AND PATCHING OF WALLS, FLOORS, AND/OR STRUCTURAL MEMBERS FOR THE INSTALLATION OF THE PLUMBING SYSTEMS SHALL BE PROVIDED. STRUCTURAL COMPONENTS SHALL NOT BE CUT, DRILLED OR MODIFIED IN A WAY WITHOUT THE STRUCTURAL ENGINEER'S REVIEW AND PRIOR WRITTEN APPROVAL.
8. PROVIDE NFPA APPROVED FIRE STOPPING WHERE PIPES PENETRATE FIRE RATED FLOORS AND WALLS.
9. IF BASE BUILDING SPECIFICATIONS EXCEED SPECIFICATIONS HEREIN, THEN BASE BUILDING STANDARDS SHALL BE FOLLOWED.

FIRE SPRINKLER NOTE

THE PROJECT AREA IS CURRENTLY FULLY 100% SPRINKLED WITH AN AUTOMATIC WET PIPE SPRINKLER SYSTEM. SYSTEM(S) SHALL BE REVISED AS REQUIRED BY A LICENSED SPRINKLER ENGINEER OR LICENSED SPRINKLER CONTRACTOR, TO PROVIDE DRAWINGS AND CALCULATIONS TO COMPLY WITH NEW SPACE LAYOUT, NFPA 13, ALL STATE AND LOCAL CODE REQUIREMENTS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION. RE-WORK AND OR RELOCATE SPRINKLER HEADS/BRANCHES AND MAINS AS REQUIRED FOR NEW CEILING LAYOUT.

CITY STAMP APPROVAL

DRAWING LIST

P0.01	PLUMBING SYMBOLS, LEGENDS AND GENERAL NOTES
P1.01	PLUMBING SITE PLAN
P2.00.1	PLUMBING UNDERFLOOR PLAN - LODGE
P2.01.1	PLUMBING FLOOR PLAN - LODGE LEVEL 1
P2.02.1	PLUMBING FLOOR PLAN - LODGE LEVEL 2
P2.03.1	PLUMBING ROOF PLAN - LODGE
P7.01	PLUMBING RISER DIAGRAM
P7.02	PLUMBING RISER DIAGRAM
P8.01	PLUMBING SCHEDULES
P9.01	PLUMBING DETAILS
P9.02	PLUMBING DETAILS

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

CFI Companies
CONSULTING ENGINEERS
2500 Willcrest Drive, Suite 150 Houston, Texas 77042
Tel: (281) 809-7532 www.cficompanies.com
Texas Reg. No.: F-12902 CFI Project No.: 123093.00

CAMERON PARISH PILOT'S LODGE
DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
0	11.17.2023	INITIAL ISSUE

EA PROJECT NUMBER: 20039
ARCHITECT: #Contact Full Name
LICENSE #: #Contact Custom

STATE OF LOUISIANA
CODY RANDALL FRENCH
License No. 42057
PROFESSIONAL ENGINEER
MECHANICAL

11/17/2023

PLUMBING SYMBOLS, LEGENDS AND GENERAL NOTES

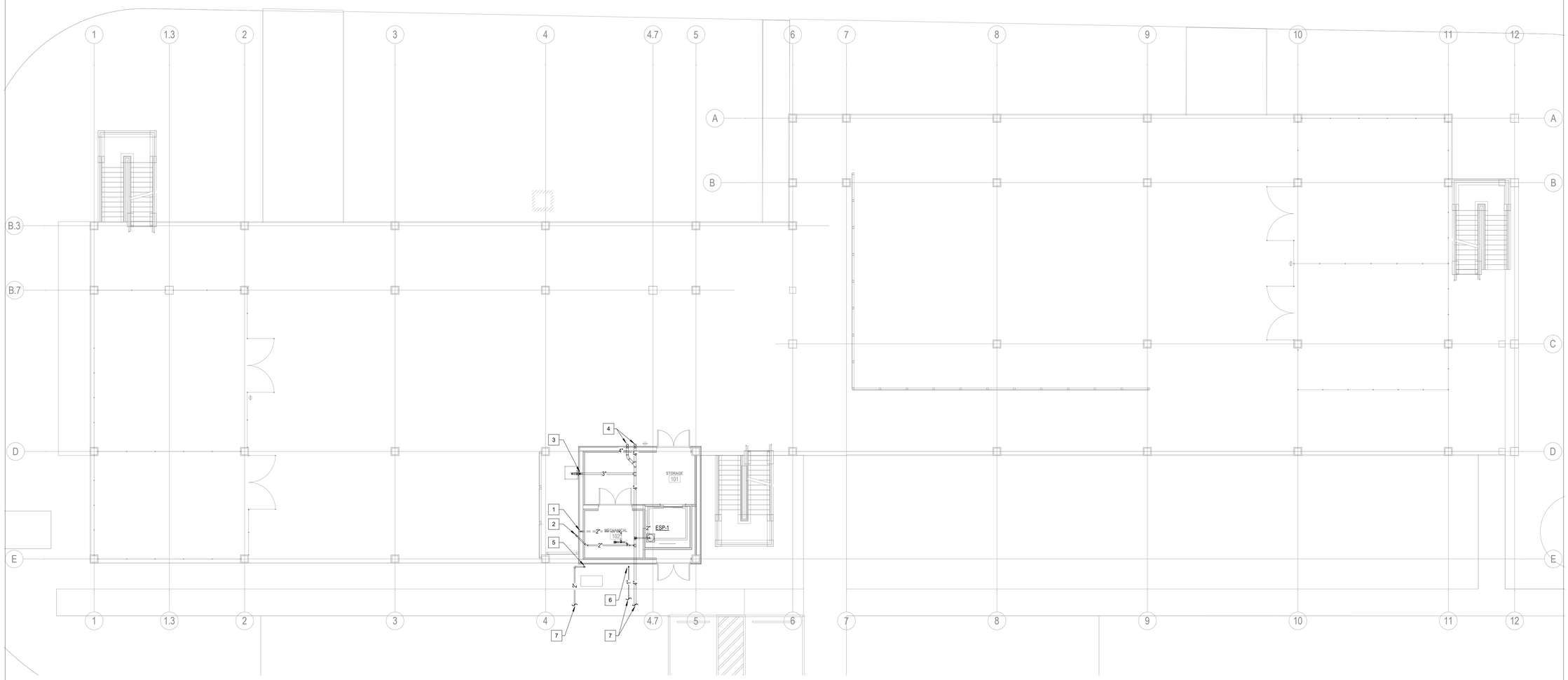
P0.01

XX INDICATES KEYED NOTE

KEYED NOTES

1 2" VENT UP, REFER TO P2.01.1 FOR CONTINUATION.
2 2" SANITARY FROM ABOVE, REFER TO P2.01.1 FOR CONTINUATION.
3 3" SANITARY UP TO COLLECT PLUMBING FIXTURE.
4 4" SANITARY FROM ABOVE, REFER TO P2.01.1 FOR CONTINUATION.
5 2" COLD WATER MAIN UP , REFER TO P2.01.1 FOR CONTINUATION.
6 1" GAS SERVICE UP, REFER TO P2.01.1 FOR CONTINUATION.
7 REFER TO CIVIL FOR CONTINUATION.

CITY STAMP APPROVAL



PLUMBING UNDERFLOOR PLAN - LODGE LEVEL 1
1/8" = 1'-0"

1

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

CFI Companies
CONSULTING ENGINEERS
2500 Wilcrest Drive, Suite 150 Houston, Texas 77042
Tel: (281) 809-7532 www.cficompanies.com
Texas Reg. No.: F-12902 CFI Project No.: 123093.00

CAMERON PARISH PILOT'S LODGE

DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
0	11.17.2023	INITIAL ISSUE

EA PROJECT NUMBER: 20039
ARCHITECT: #Contact Full Name
LICENSE #: #Contact Custom

STATE OF LOUISIANA
CODY RANDALL FRENCH
License No. 42057
PROFESSIONAL ENGINEER

11/17/2023

PLUMBING UNDERFLOOR PLAN - LODGE

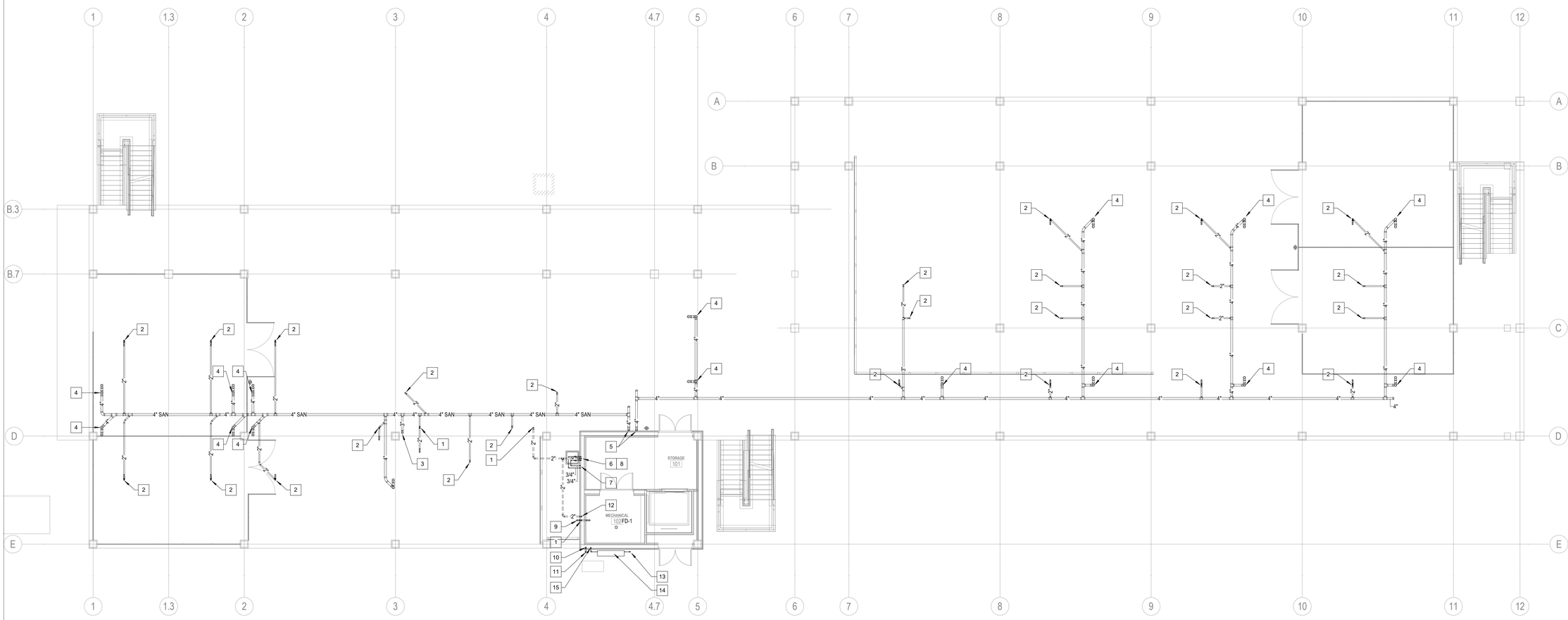
P2.00.1

XX INDICATES KEYED NOTE

KEYED NOTES

1 2" VENT UP.
2 2" SANITARY UP TO COLLECT PLUMBING FIXTURE.
3 3" SANITARY UP TO COLLECT PLUMBING FIXTURE.
4 4" SANNITARY UP TO COLLECT PLUMBINNG FIXTURE.
5 4" SANITARY DOWN, REFER TTO P2.00.1 FOR CONTINUATION.
6 3" SANITARY DOWN, 2" VENT UP.
7 3/4" HOT AND COLD WATER FROM ABOVE, REFER TO P2.02.1 FOR CONTINUATION.
8 3/4" HOT AND COLD WATER DOWN TO SERVE PLUMBING FIXTURE.
9 2" SANITARY DOWN, REFER TO 2.00.1 FOR CONTINUATION.
10 2" COLD WATER MAIN UP, REFRE TO P2.02.1 FOR CONTINUATION.
11 2" MAIN COLD WATER ENTRY, REFER TO P2.00.1 FOR CONTINUATIONN.
12 2" VENT UP FROM BELOW.
13 MAIN GAS LINE FROM BELOW, REFER TO P2.00.1 FOR CONTINUATION.
14 GAS METER ASSMEBLY.
15 1" GAS SERVICE UP , REFER TO P2.02.01 FOR CONTINUATION.

CITY STAMP APPROVAL



PLUMBING FLOOR PLAN - LODGE LEVEL 1
1/8" = 1'-0"
1

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

CFI Companies
CONSULTING ENGINEERS
2500 Wilcrest Drive, Suite 150 Houston, Texas 77042
Tel: (281) 809-7532 www.cficompanies.com
Texas Reg. No.: F-12902 CFI Project No.: 123093.00

CAMERON PARISH PILOT'S LODGE

DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
0	11.17.2023	INITIAL ISSUE

EA PROJECT NUMBER: 20039
ARCHITECT: #Contact Full Name
LICENSE #: #Contact Custom

STATE OF LOUISIANA
CODY RANDALL FRENCH
License No. 42057
PROFESSIONAL ENGINEER
EST. 1921

11/17/2023

PLUMBING FLOOR PLAN - LODGE LEVEL 1

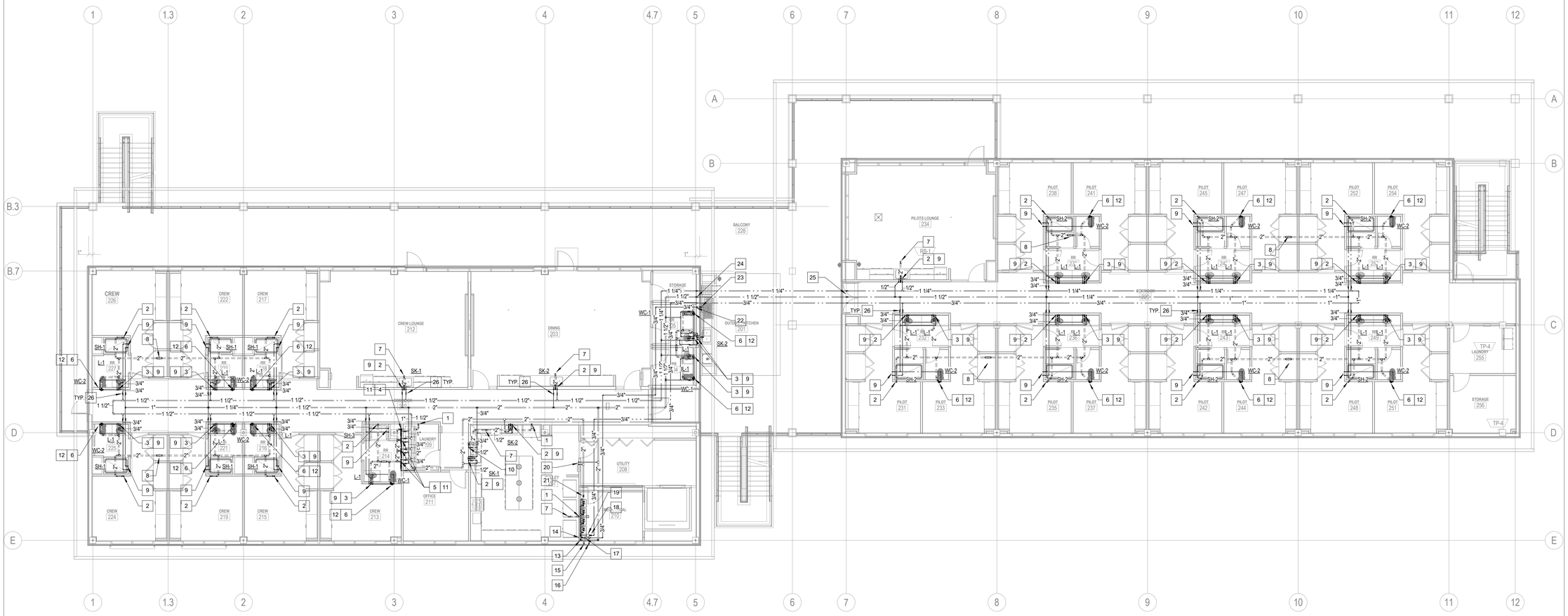
P2.01.1

XX INDICATES KEYED NOTE

KEYED NOTES

1 2" VENT UP FROM BELOW.
2 2" SANITARY DOWN, 2" VENT UP.
3 2" SANITARY DOWN AND ROUTED IN WALL TO NEAREST VERTICAL STACK AND 2" VENT UP.
4 3" SANITARY DOWN, 2" VENT UP.
5 3" SANITARY DOWN AND ROUTED IN WALL TO NEAREST VERTICAL STACK AND 2" VENT UP.
6 4" SANITARY DOWN, 2" VENT UP.
7 2" VENT UP THRU ROOF.
8 3" VENT UP THRU ROOF
9 1/2" HOT AND COLD WATER DOWN TO SERVE PLUMBING FIXTURE.
10 1/2" COLD WATER DOWN TO SERVE RVB-1, PROVIDE INLINE FILTER PRIOR TO SERVING EQUIPMENNT.
11 3/4" HOT AND COLD WATER DOWN TO SERVE PLUMBING FIXTURE.
12 3/4" COLD WATER DOWN TO SERVE PLUMBING FIXTURE.
13 2" COLD WATER DOWN AND ROUTED ALONG WALL TO SERVE GWH-1-4.
14 1-1/4" GAS DOWN (4OZ), ROUTE FULL SIZE HEADER ALONG WALL TO SERVE GWH 1-4. REFER TO MANUFACTURE RECOMANDATION FOR FINAL CONNECTION TO EQUIPMENT.
15 2" COLD WATER MAIN RISER, REFER TO P2.01.1 FOR CONTINUATION.
16 1" MAIN GAS (2PSI) RISER UP FROM BELOW, REFER TO P2.01.01 FOR CONTINUATION.
17 GAS PRESSURE REGULATOR WITH SHUT OFF VALVES IN ATTIC SPACE, SET FROM 2PSI TO 4OZ.
18 IN LINE CIRCUIT SETTER SET FOR .5 GPM.
19 IN LINE RECIRCULATING PUMP.
20 3/4" HOT AND COLD WATER DOWN TO SERVE PLUMBING FIXTURE ON FLOOR BELOW, REFER TO P2.01.1 FOR CONTINUATION.
21 2" HOT WATER UP FROM GWH 1-4, TO SERVE PLUMBING FIXTURES.
22 3/4" GAS DOWN (2PSI) AND ROUTED IN WALL TO SERVE PLUMBING EQUIPMENT.
23 PROVIDE GAS PRESSURE REGULATOR FROM 2PSI TO 4OZ, PRIOR TO SERVING EQUIPMENT. REFER TO MANUFACTURE RECOMANDATION FOR FINAL CONNECTION.
24 HOT AND COLD WATER MAINS DOWN AND ROUTED IN CEILING SPACE ACROSS OUTDOOR KITCHEN SPACE.
25 HOT AND COLD WATER MAINS UP FROM CEILING SPACE AND INTO ATTIC SPACE TO SERVE PLUMBING FIXTURES.
26 PROVIDE SHUT OFF VALVES IN ATTIC SPACE PRIOR TO SERVING UNIT.

CITY STAMP APPROVAL



PLUMBING FLOOR PLAN - LODGE LEVEL 2
1/8" = 1'-0"

1

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

CFI Companies
CONSULTING ENGINEERS
2500 Willcrest Drive, Suite 150 Houston, Texas 77042
Tel: (281) 809-7532 www.cficompanies.com
Texas Reg. No.: F-12902 CFI Project No.: 123093.00

CAMERON PARISH PILOT'S LODGE
DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
0	11.17.2023	INITIAL ISSUE

EA PROJECT NUMBER: 20039
ARCHITECT: #Contact Full Name
LICENSE #: #Contact Custom

STATE OF LOUISIANA
CODY RANDALL FRENCH
License No. 42057
PROFESSIONAL ENGINEER
11/17/2023

PLUMBING FLOOR PLAN - LODGE LEVEL 2

P2.02.1

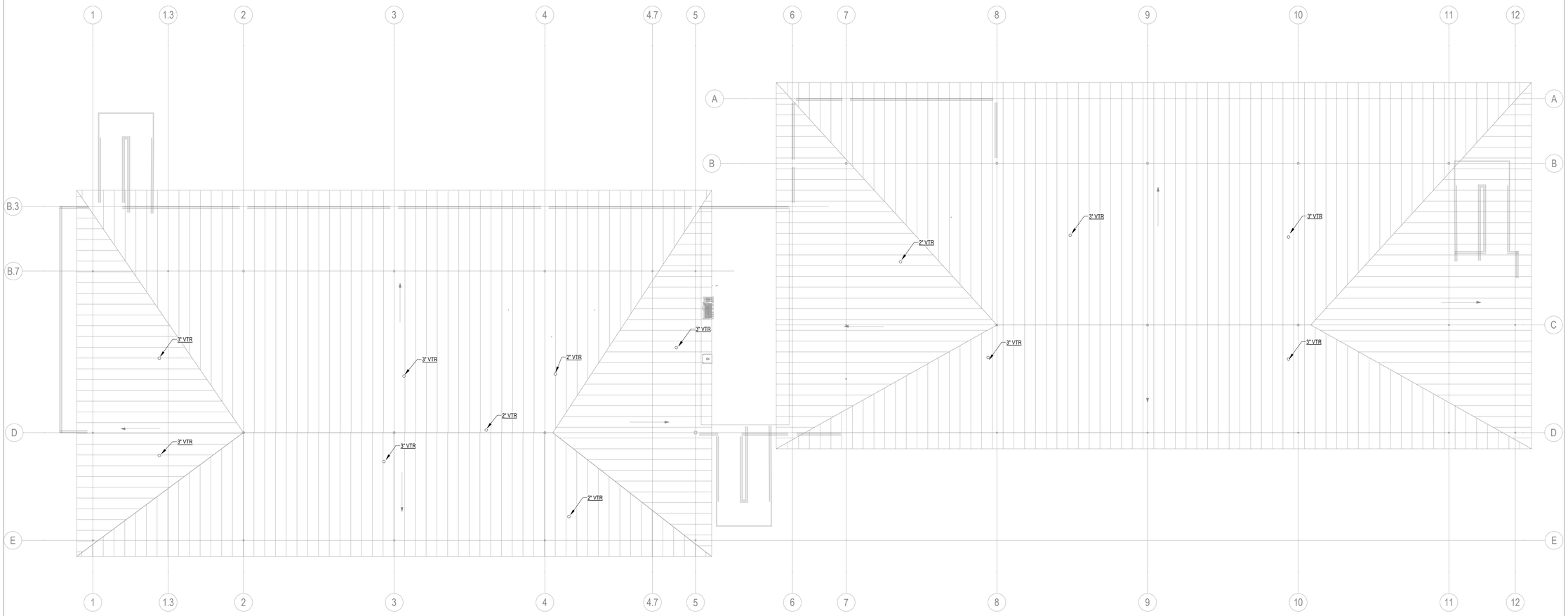
XX INDICATES KEYED NOTE

KEYED NOTES

CITY STAMP APPROVAL

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

CFI Companies
CONSULTING ENGINEERS
2500 Wilcrest Drive, Suite 150 Houston, Texas 77042
Tel: (281) 809-7532 www.cficompanies.com
Texas Reg. No.: F-12902 CFI Project No.: 123093.00



CAMERON PARISH PILOT'S LODGE
DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
0	11.17.2023	INITIAL ISSUE

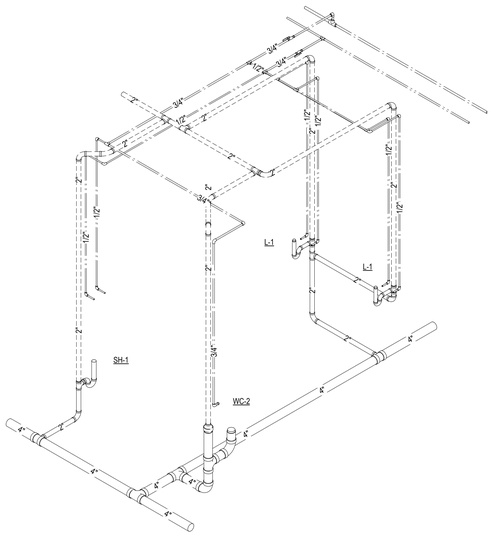
EA PROJECT NUMBER: 20039
ARCHITECT: #Contact Full Name
LICENSE #: #Contact Custom

STATE OF LOUISIANA
CODY RANDALL FRENCH
License No. 42057
PROFESSIONAL ENGINEER
DAVIS RD
11/17/2023

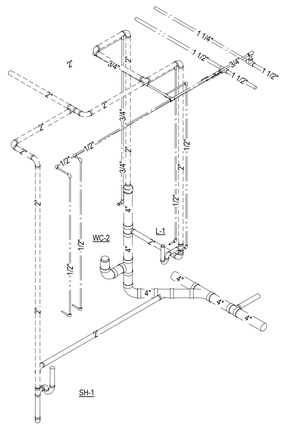
PLUMBING ROOF PLAN - LODGE

P2.03.1

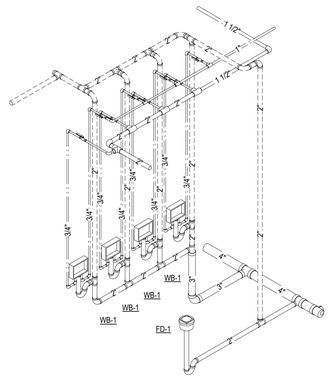
PLUMBING ROOF PLAN - LODGE 1
1/8" = 1'-0"



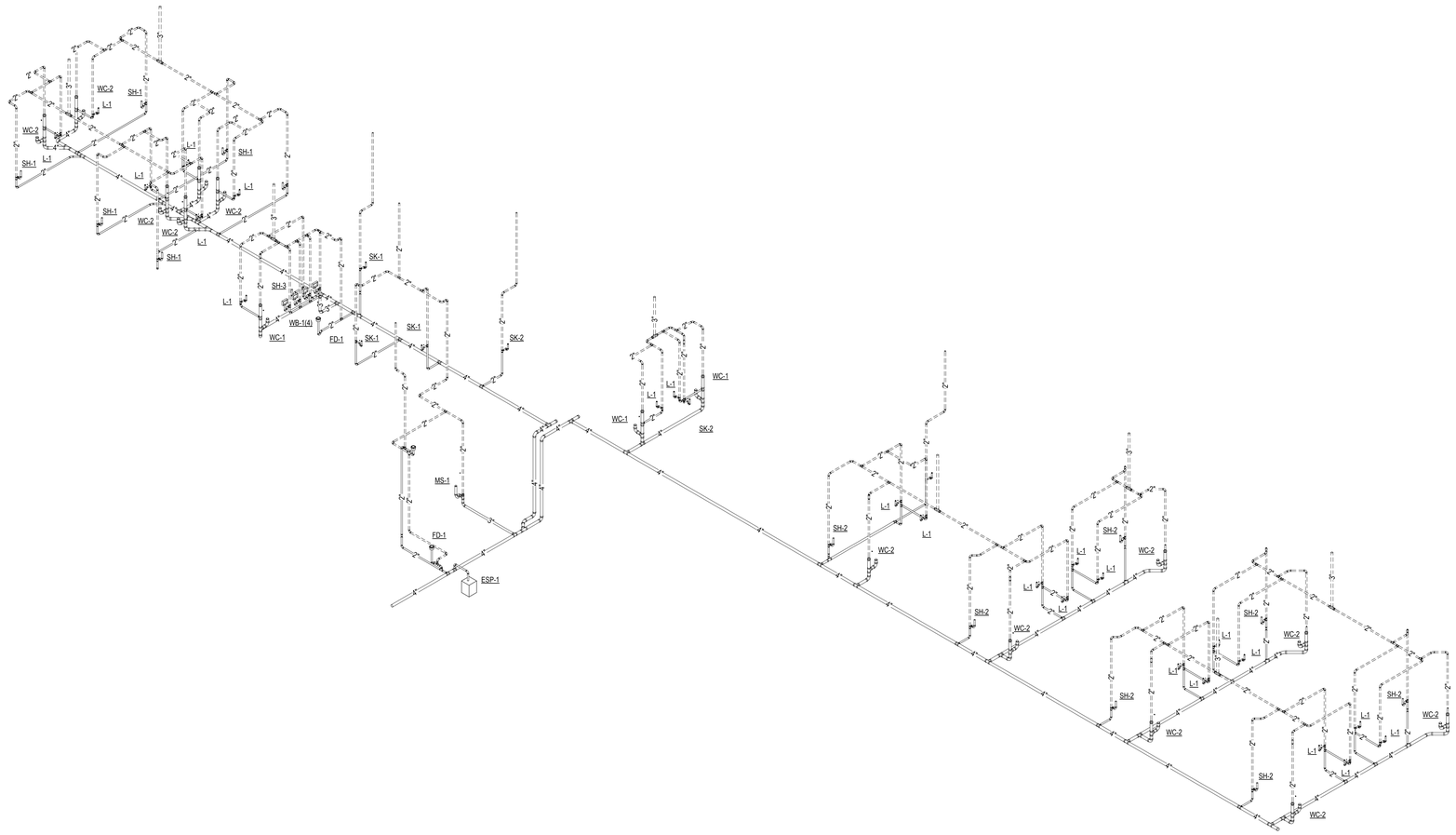
PLUMBING TYPICAL PILOT UNIT RISER DIAGRAM 4



PLUMBING TYPICAL CREW UNIT RISER DIAGRAM. 3



PLUMBING LAUNDRY ROOM RISER DIAGRAM. 2



PLUMBING SANITARY RISER DIAGRAM. 1

CITY STAMP APPROVAL

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

CFI Companies
CONSULTING ENGINEERS
2500 Wilcrest Drive, Suite 150 Houston, Texas 77042
Tel: (281) 809-7532 www.cficompanies.com
Texas Reg. No.: F-12902 CFI Project No.: 123093.00

CAMERON PARISH PILOT'S LODGE
DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
0	11.17.2023	INITIAL ISSUE

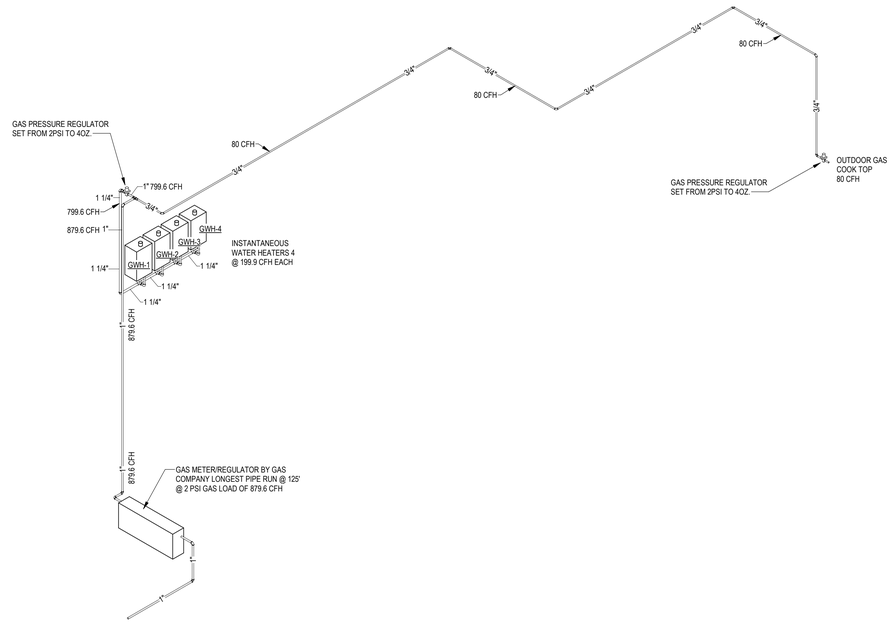
EA PROJECT NUMBER: 20039
ARCHITECT: #Contact Full Name
LICENSE #: #Contact Custom

STATE OF LOUISIANA
COFFANDELL FRENCH
License No. 49857
REGISTERED
PROFESSIONAL ENGINEER
ENVIRONMENTAL

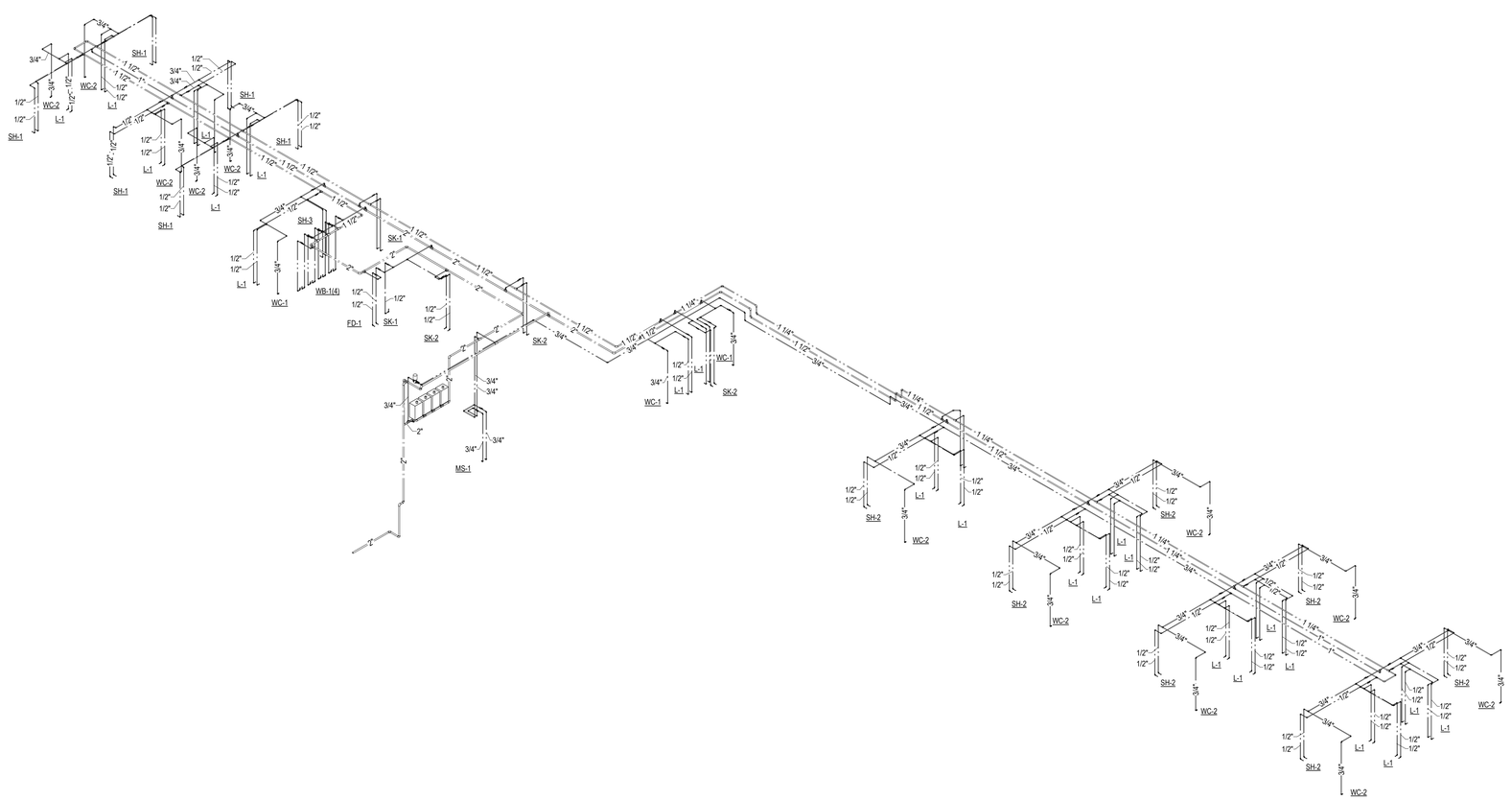
11/17/2023

PLUMBING RISER DIAGRAM

P7.01



PLUMBING GAS RISER DIAGRAM. 2



PLUMBING WATER DISTRIBUTION RISER DIAGRAM. 1

CITY STAMP APPROVAL

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

CFI Companies
CONSULTING ENGINEERS
2500 Wilcrest Drive, Suite 150 Houston, Texas 77042
Tel: (281) 809-7532 www.cficompanies.com
Texas Reg. No.: F-12902 CFI Project No.: 123093.00

CAMERON PARISH PILOT'S LODGE
DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
0	11.17.2023	INITIAL ISSUE

EA PROJECT NUMBER: 20039
ARCHITECT: #Contact Full Name
LICENSE #: #Contact Custom

STATE OF LOUISIANA
CODY RANDALL FRENCH
License No. 42057
PROFESSIONAL ENGINEER
11/17/2023

PLUMBING RISER DIAGRAM

P7.02

PUMP SCHEDULE

MARK	SERVICE	TYPE	SIZE		GPM	TOTAL HEAD	RPM	HP/ VOLTS/PH	REMARKS
			SUCT.	DISCH.					
ESP-1	SUMP PIT	SUMP	-	2"	50	20	3450	1/5/115/1	BELL AND GOSSETT MODEL NO ELKT2EC0511 WITH OSSIM-30 SEEWATER OIL SMART PANEL
RCP-1	HWR	IN-LINE	3/4"	3/4"	1.0	5	3250	1/8/115/1	TACO #006 WITH 00 TIMER/AQUASTAT

GAS WATER HEATER SCHEDULE

MARK	MODEL AND DESCRIPTION	INPUT CFH	OUTPUT CFH	REMARKS
GWH-1 GWH-2 GWH-3 GWH-4	NAVIEN NPE -A2	199	199	TANKLESS WATER HEATER NAVIEN MODEL NPE-A2

SHOCK ARRESTOR SCHEDULE

FIXTURE UNITS	SIZE
1-11	1/2" NPT
12-32	3/4" NPT
33-60	1" NPT
61-113	1 1/4" NPT
114-154	1 1/2" NPT
155-330	2" NPT

NOTES:
1. ALL FIXTURE WATER SUPPLIES SHALL BE INSTALLED WITH APPROPRIATELY SIZED ARRESTORS IN COMPLIANCE WITH MANUFACTURER'S INSTALLATION RECOMMENDATIONS.

PLUMBING FIXTURE SCHEDULE

ID	ITEM	MANUFACTURER/ MODEL NO.	FIXTURE SERVICE	REMARKS
WC-1	WATER CLOSET ADA FLOOR MOUNTED	GERBER "MAXWELL" MODEL #GWS20918. ENLONGATED 1.28 TANK TYPE FLOOR MOUNTED WATER CLOSET. 12" ROUGH IN- TWO PIECE VITROUS CHINA.	3/4" CW 4" WASTE 2" VENT	RE: ARCHITECTURAL DRAWINGS FOR EXACT LOCATION.
WC-2	WATER CLOSET FLOOR MOUNTED STANDARD HEIGHT	GERBER "MAXWELL" MODEL #GWS20912. ENLONGATED 1.28 TANK TYPE FLOOR MOUNTED WATER CLOSET. 12" ROUGH IN- TWO PIECE VITROUS CHINA.	3/4" CW 4" WASTE 2" VENT	RE: ARCHITECTURAL DRAWINGS FOR EXACT LOCATION.
L-1	LAVATORY DROP IN SINK	GERBER DROP IN SINK "MAXWELL" MODEL #G0012834CH. VITREOUS CHINA DROP IN SINK. ADA COMPLIANT WTIH FRONT OVERFLOW. FAUCET: GERBER TWO HANDLE CENTERSET LABATORY FAUCET MODEL #GC044542. 0.5 GPM	1/2" CW 1/2" HW 2" WASTE 2" VENT	PROVIDE POINT OF USE MIXING VALVE LEONARD #170-LF-BRKT , AT LAVATORIES THAT ARE LOCATED IN PUBLIC AREAS.
SK-1	SINGLE COMPARTMENT UNDERCOUNTER SINK	ELKAY MODEL NO. LRAD252165PD SINGLE COMP. SELF RIMMING STAINLESS STEEL SINK. CHICAGO FAUCET NO. 786-E280-5ABCP 4" WRIST BLADE HANDLES WITH RIGID/SWING GOOSENECK SPOUT AND 0.5 GPM VANDAL PROOF NON-AERATING SPRAY. MCGUIRE NO. 152 GRID DRAIN WITH 1 1/2" TAILPIECE, WITH OFFSET #8089 P-TRAP, #H-2165 SUPPLY STOPS - 1 1/2" P-TRAP. LEONARD #170-LF-BRKT POINT OF USE MIXING VALVE.	1/2" CW 1/2" HW 2" WASTE 2" VENT	SINGLE COMPARTMENT SINK W/INTEGRAL 0.5 GPM FLOW AERATOR. PRO-WRAP (OR EQUAL) TRAP WRAP KIT. PROVIDE POINT OF USE MIXING VALVE LEONARD #170-LF-BRKT , AT SINKS THAT ARE LOCATED IN PUBLIC AREAS.
SK-1	DOUBLE COMPARTMENT SINK GOOSENECK SPOUT WRISTBLADE HANDLES	ELKAY MODEL NO. LRAD331955, DOUBLE COMP, SELF RIMMING STAINLESS STEEL SINK. CHICAGO FAUCET NO. 786-E280-5ABCP 4" WRIST BLADE HANDLES WITH RIGID/SWING GOOSENECK SPOUT AND 0.5 GPM VANDAL PROOF NON-AERATING SPRAY. MCGUIRE NO. 152 GRID DRAIN WITH 1 1/2" TAILPIECE, WITH OFFSET #8089 P-TRAP, #H-2165 SUPPLY STOPS - 1 1/2" P-TRAP. LEONARD #170-LF-BRKT POINT OF USE MIXING VALVE.	1/2" CW 1/2" HW 2" WASTE 2" VENT	
MS-1	MOP SINK FLOOR MOUNT	STERN-WILLIAMS MODEL NO. SSBC-1500, TERRAZZO, 24" X 24" X 12" HIGH, CORNARD FLOOR MOUNTED WITH TILING FLANGE ON THREE SIDES, INTEGRAL CAST BRASS DRAIN AND STAINLESS STEEL STRAINER, FURNISH NO. T-35 HOSE AND WALL HOOK, AND T-40 MOP HANGER. CHICAGO FAUCET NO. 897 FAUCET WITH VACUUM BREAKER AND WALL BRACE.	3/4" CW 3/4" HW 3" WASTE 2" VENT	STAINLESS STEEL CAP AND 3 INCH CHROME DRAIN, 24X24X12 INCHES, MOUNT VACUUM BREAKER 7 FT. 6 INCHES A.F.F.
SH-1	SHOWER	SHOWER HEAD TRIM TO BE MOEN MODEL NO.T8375 WITH CARTIDGE MODLE NO.8372HD, SINGLE-HANDLE POSI-TEMP PRESSURE BALANCING SHOWER TRIM ONLY. REFER TO ARCHITECTUAL FOR SHOWER STALL SPECIFICATIONS AND FLOOR PLAN FOR DIMENSIONS.	1/2" CW 1/2" HW 2" WASTE 2" VENT	
SH-2	SHOWER	SHOWER HEAD TRIM TO BE MOEN MODEL NO.T8375 WITH CARTIDGE MODLE NO.8372HD, SINGLE-HANDLE POSI-TEMP PRESSURE BALANCING SHOWER TRIM ONLY. REFER TO ARCHITECTUAL FOR SHOWER STALL SPECIFICATIONS AND FLOOR PLAN FOR DIMENSIONS.	1/2" CW 1/2" HW 2" WASTE 2" VENT	
SH-3	SHOWER	SHOWER HEAD TRIM TO BE MOEN MODEL NO.T8342, CONTAINS STATIONARY SHOWERHEAD, HAND HELD SHOWER WITH NON-POSITIVE PAUSE, 72" METAL HOUSE, 30" SLIDE BAR, DROP ELL. 2.5 GPM REFER TO ARCHITECTUAL FOR SHOWER STALL SPECIFICATIONS AND FLOOR PLAN FOR DIMENSIONS.	1/2" CW 1/2" HW 2" WASTE 2" VENT	
RVB-1	RECESSED VALVE BOX	GUY GRAY MODEL BIM875AB LEAD FREE. PROVIDE WITH 1/2" FTP INLET X 1/4" O.D. OUTLET COMPRESSION ANGLE VALVE TUBE, CHROME PLATED SUPPLY STOP. PROVIDE CUNO #AP717 FILTER BRACKETED TO WALL.	1/2" CW	VERIFY MOUNTING HEIGHT OF BOX WITH ARCHITECTURAL DRAWINGS. VERIFY EXACT LOCATION OF WATER FILTER WITH ARCHITECT.
FD-1	FLOOR DRAIN	JAY R. SMITH NO. 2005-NB, ROUND TOP ADJUSTABLE. INSTALL PRO SET TRAP GUARD.		
FS-1	FLOOR SINK	JAY R. SMITH NO. 3151T-13. 12" SQUARE TOP ADJUSTABLE WITH NICKEL BRONZE 3/4 GRATE. INSTALL PRO SET TRAP GUARD.		COORDINATE EXACT LOCATION WITH EQUIPMENT PRIOR TO INSTALLATION.
WB-1	WASHING MACHINE BOX	WATERTITE DUAL-DRAIN WASHING MACHINE OUTLET BOX TOP MOUNT INVERT OUTLET BOX FOR TOP MOUNT OPTION.	1/2" CW 1/2" HW 2" WASTE 2" VENT	COORDINATE EXACT LOCATION WITH EQUIPMENT PRIOR TO INSTALLATION.
WH-1	WALL HYDRANT	J.R SMITH FIG. #5609QT-4, FREEZE PROOF WALL HYDRANT, SELF DRAINING, INTEGRAL VACUUM BREAKER, 3/4 INCH HOSE CONNECTION, CHROME PLATED.	3/4" CW	FREEZE PROOF WALL HYDRANT. COORDINATE EXACT LOCATION AND ELEVATION WITH OWNER.
GD-1	GARBAGE DISPOSAL	INSINKERATOR EVOLUTION SERIES COMPACT GARBAGE FOOD WASTE DISPOSAL.		COORDINATE INSTALLATION WITH ARCHITECTURAL ADA REQUIREMENTS.

PLUMBING FIXTURE NOTES

ALL CONTROL VALVES/ MIXING VALVES/ DIVERTORS SHALL COMPLY WITH THE FOLLOWING:

PUBLIC LAVATORIES: ASSE 1070 OR CSA B125.3

SHOWERS: ASSE 1016 OR ASME A112.18.1/CSA B125.1

TUBS: ASSE 1070 OR CSA B125.3

SHOWER/TUB COMBO: ASSE 1016 OR ASME A112.18.1/CSA B125.1

CITY STAMP APPROVAL

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

CFI Companies
CONSULTING ENGINEERS
2500 Willcrest Drive, Suite 150 Houston, Texas 77042
Tel: (281) 809-7532 www.cficompanies.com
Texas Reg. No.: F-12902 CFI Project No.: 123093.00

CAMERON PARISH PILOT'S LODGE
DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
0	11.17.2023	INITIAL ISSUE

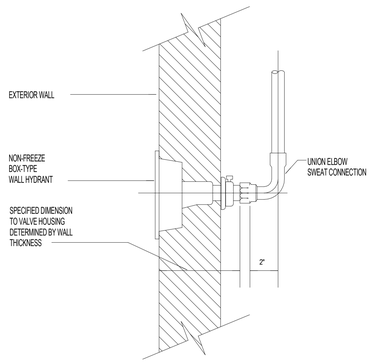
EA PROJECT NUMBER: 20039
ARCHITECT: #Contact Full Name
LICENSE #: #Contact Custom

STATE OF LOUISIANA
CODY RANDALL FRENCH
License No. 42057
PROFESSIONAL ENGINEER

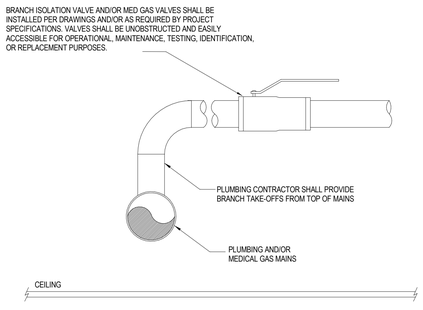
11/17/2023

PLUMBING SCHEDULES

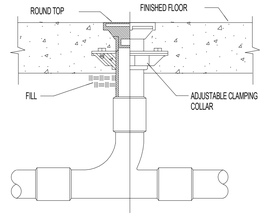
P8.01



WALL HYDRANT DETAIL 16

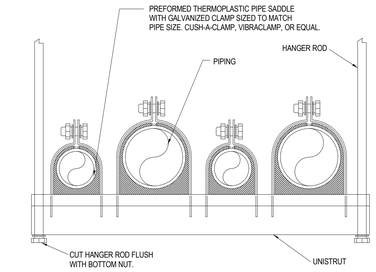


PIPING BRANCH TAKE-OFF 11



FLOOR CLEANOUT DETAIL 7

CITY STAMP APPROVAL

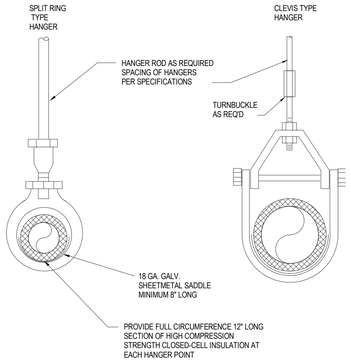


NOTES:

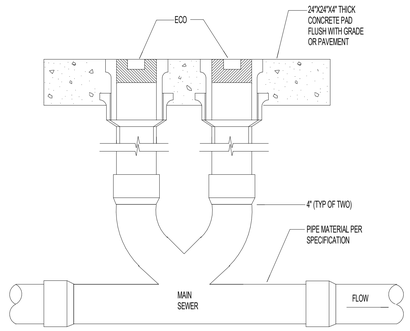
1) THIS DETAIL APPLIES TO UNINSULATED COPPER PIPING. REFER TO SPECIFICATIONS FOR INSULATION REQUIREMENTS.
2) ALL UNISTRUT AND HARDWARE SHALL BE GALVANIZED.

3) SPACING OF HANGERS PER SPECIFICATIONS. HANGER SPACING SHALL BE BASED ON THE SMALLEST DIAMETER PIPE SUPPORTED BY THE RACK.

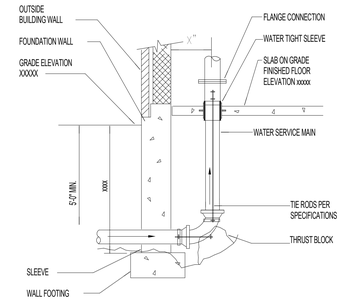
MULTIPLE PIPE HANGER 15



SINGLE PIPE HANGER 10

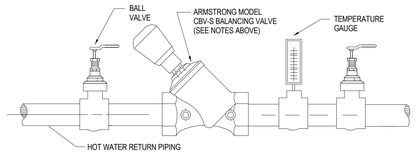


TWO WAY CLEANOUT DETAIL 6

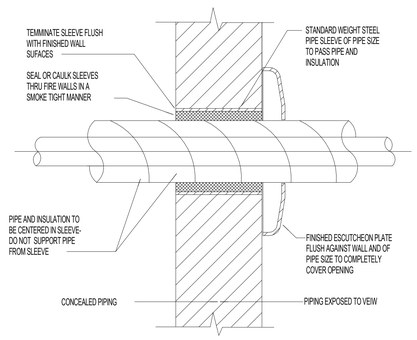


WATER ENTRANCE DIAGRAM DETAIL 3

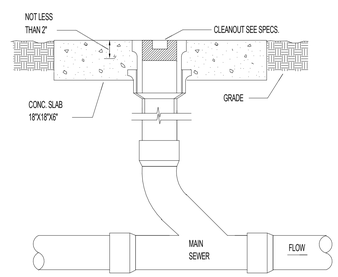
1. EACH VALVE SHALL BE FURNISHED WITH A PRE-FORMED REMOVABLE PVC INSULATION JACKET.
2. THE BALANCING VALVE IS MARKED WITH AN ARROW ON THE VALVE BODY TO INDICATE DIRECTION OF FLOW. THE ARROW MUST POINT IN THE DIRECTION OF FLOW FOR PROPER OPERATION.
3. LOCATE BALANCING VALVE AT LEAST FIVE PIPE DIAMETERS DOWNSTREAM FROM ANY FITTING AND AT LEAST TEN PIPE DIAMETERS DOWNSTREAM FROM A PUMP.
4. PROVIDE EASY AND UNOBSTRUCTED ACCESS TO THE VALVE HANDWHEEL AND METERING PORTS FOR ADJUSTMENT AND MEASUREMENT.
5. SEE FLOOR PLAN FOR BALANCING VALVE LOCATION AND PIPE SIZE.
6. PROVIDE CHECK VALVE AS SHOWN ON DRAWINGS.



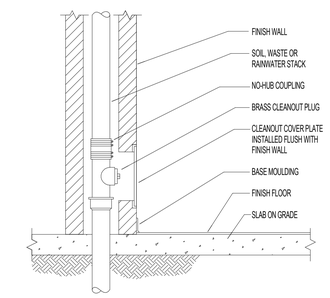
BALANCING VALVE DETAIL 14



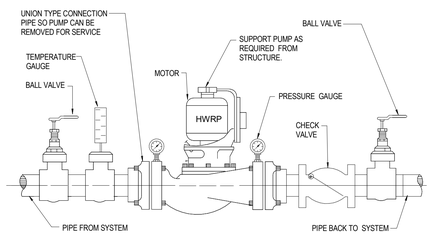
PIPE SLEEVE THRU INTERIOR WALL DETAIL 9



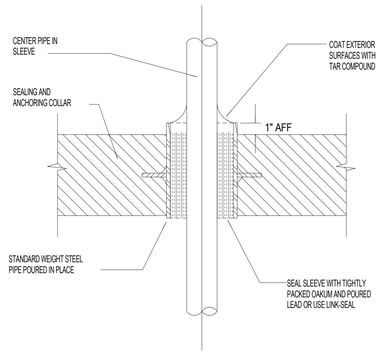
EXTERIOR CLEANOUT DETAIL 5



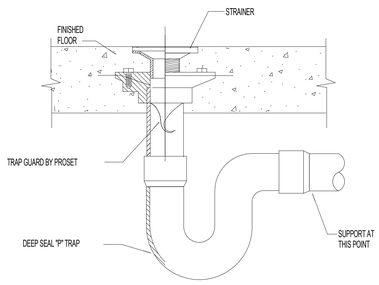
WALL CLEANOUT DETAIL 2



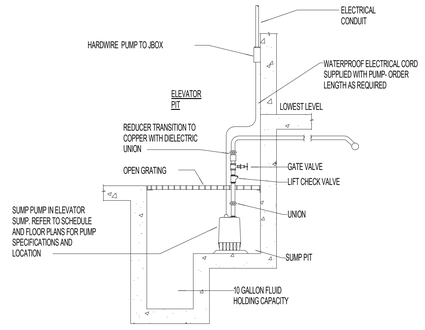
IN-LINE CIRCULATING PUMP 13



PIPE SLEEVE THRU FLOOR DETAIL 8



FLOOR DRAIN DETAIL 4



NOTE: 1. PUMP DISCHARGE SHALL BE HARD PIPED TO SANITARY GRAVITY LINE

ELEVATOR SUMP PUMP DETAIL 1

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

CFI Companies
CONSULTING ENGINEERS
2500 Willcrest Drive, Suite 150 Houston, Texas 77042
Tel: (281) 809-7532 www.cficompanies.com
Texas Reg. No.: F-12902 CFI Project No.: 123093.00

CAMERON PARISH PILOT'S LODGE
DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
0	11.17.2023	INITIAL ISSUE

EA PROJECT NUMBER: 20039
ARCHITECT: #Contact Full Name
LICENSE #: #Contact Custom

STATE OF LOUISIANA
CODY RANDALL FRENCH
License No. 42057
PROFESSIONAL ENGINEER
11/17/2023

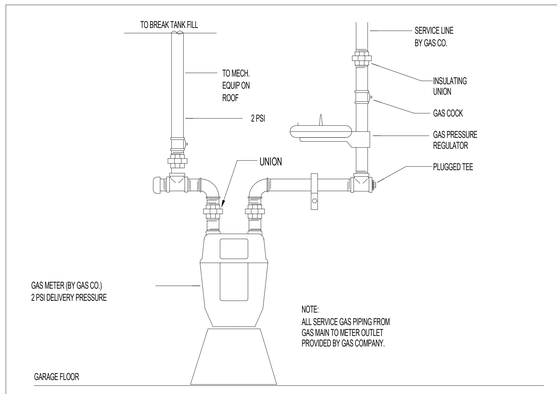
PLUMBING DETAILS

P9.01

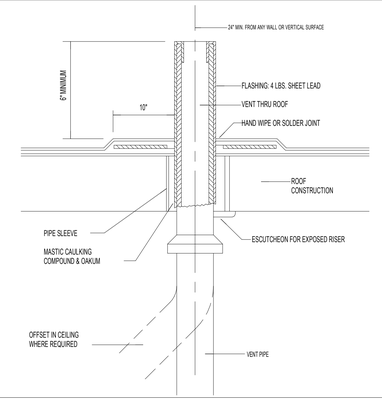
CITY STAMP APPROVAL

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

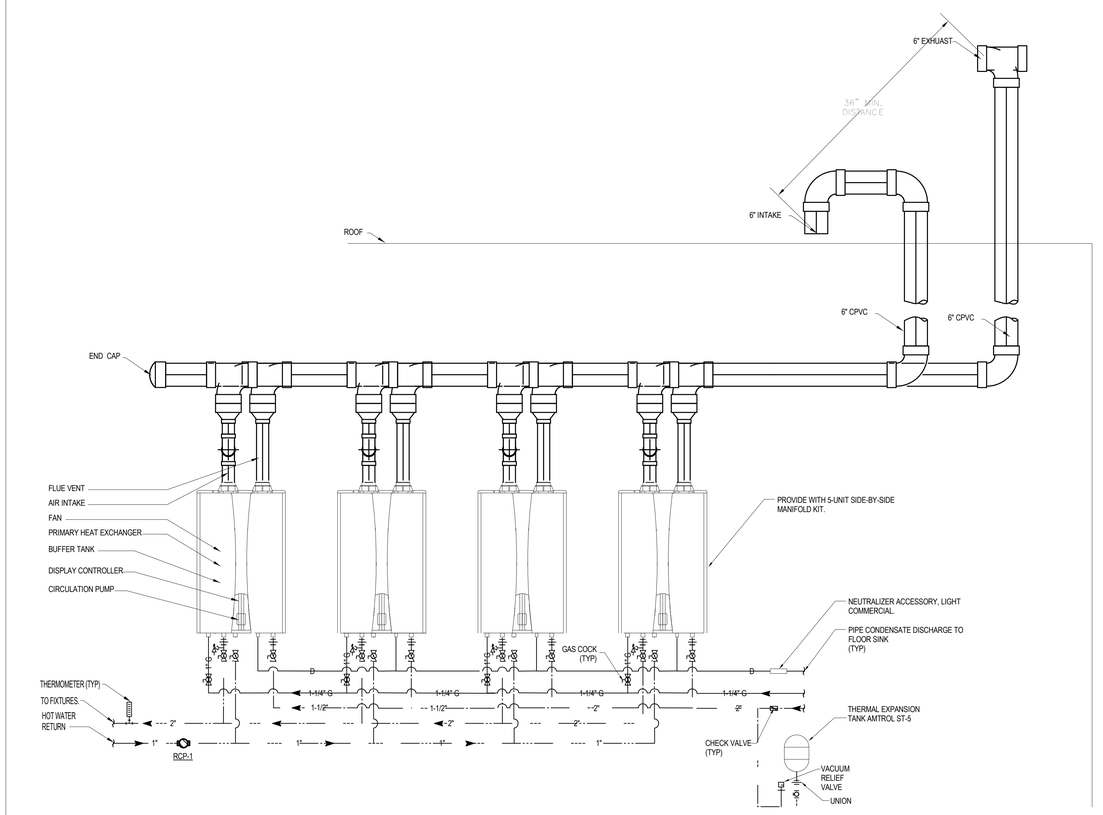
CFI Companies
CONSULTING ENGINEERS
2500 Willcrest Drive, Suite 150 Houston, Texas 77042
Tel: (281) 809-7532 www.cficompanies.com
Texas Reg. No.: F-12902 CFI Project No.: 123093.00



GAS SERVICE CONNECTION DETAIL 3



VENT THRU ROOF DETAIL 2



TANK-LESS WATER HEATERS WITH TYPICAL VENTING 1

CAMERON PARISH PILOT'S LODGE
DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
0	11.17.2023	INITIAL ISSUE

EA PROJECT NUMBER: 20039
ARCHITECT: #Contact Full Name
LICENSE #: #Contact Custom

STATE OF LOUISIANA
CODY RANDALL FRENCH
License No. 42057
PROFESSIONAL ENGINEER
11/17/2023

PLUMBING DETAILS

P9.02

LIGHTING ROOM CONTROLS / SEQUENCE OF OPERATION IECC 2018

PRIVATE OFFICE
1. LIGHTING SHALL BE CONTROLLED WITH STAND-ALONE WALL MOUNTED SENSOR AND WALL MOUNTED VACANCY SENSOR WITH 0-10V DIMMING CAPABILITY.

LOBBY
1. LIGHTING SHALL BE CONTROLLED WITH NETWORKED MULTI-ZONE POWER PACKS WITH 0-10V DIMMING CAPABILITY AND TIME-CLOCK FUNCTIONALITY.
2. CONTROL STATIONS SHALL BE PRESET STATION FOR SCENE CONTROL, KEYPAD OR TOUCH-SCREEN.
3. DAYLIGHT SENSORS AND DIMMING SHALL BE USED AS REQUIRED FOR SPACES WITH MORE THAN 150W OF LIGHTING IN DAYLIGHT ZONES WITHIN SPACE, PER IECC 2018.
4. REFER TO DRAWINGS FOR COORDINATION OF SWITCH LEG AND ZONE CONTROL.
5. LIGHTS TO TURN ON AND OFF BASED OFF BUSINESS HOURS TIME CLOCK, WITH OVERRIDE STATION LOCKED OUT DURING BUSINESS HOURS.
6. AFTER HOURS LIGHTS CAN BE TURNED ON VIA OVERRIDE STATION OR CEILING MOUNTED OCCUPANCY SENSORS.

CORRIDORS
1. LIGHTING SHALL BE CONTROLLED WITH NETWORKED MULTI-ZONE POWER PACKS WITH 0-10V DIMMING CAPABILITY AND TIME-CLOCK FUNCTIONALITY.
2. CONTROL STATIONS SHALL BE PRESET STATION FOR SCENE CONTROL, KEYPAD OR TOUCH-SCREEN.
3. DAYLIGHT SENSORS AND DIMMING SHALL BE USED AS REQUIRED FOR SPACES WITH MORE THAN 150W OF LIGHTING IN DAYLIGHT ZONES WITHIN SPACE, PER IECC 2018.
4. REFER TO DRAWINGS FOR COORDINATION OF SWITCH LEG AND ZONE CONTROL.
5. LIGHTS TO TURN ON AND OFF BASED OFF BUSINESS HOURS TIME CLOCK, WITH OVERRIDE STATION LOCKED OUT DURING BUSINESS HOURS.
6. AFTER HOURS LIGHTS CAN BE TURNED ON VIA OVERRIDE STATION OR CEILING MOUNTED OCCUPANCY SENSORS.

CONFERENCE ROOMS
1. LIGHTING SHALL BE CONTROLLED WITH STAND-ALONE VACANCY SENSORS AND DIMMING CONTROLS.
2. CONTROL STATION SHALL BE PRESET STATION FOR SCENE CONTROL, KEYPAD OR TOUCH-SCREEN.
3. DAYLIGHT SENSORS AND DIMMING SHALL BE USED AS REQUIRED FOR SPACES WITH MORE THAN 150W OF LIGHTING IN DAYLIGHT ZONES WITHIN SPACE, PER IECC 2018.
4. REFER TO DRAWINGS FOR COORDINATION OF SWITCH LEG AND ZONE CONTROL.

BREAK ROOM
1. LIGHTING SHALL BE CONTROLLED WITH STAND-ALONE VACANCY SENSORS AND DIMMING CONTROLS.
2. CONTROL STATION SHALL BE PRESET STATION FOR SCENE CONTROL, KEYPAD OR TOUCH-SCREEN.
3. DAYLIGHT SENSORS AND DIMMING SHALL BE USED AS REQUIRED FOR SPACES WITH MORE THAN 150W OF LIGHTING IN DAYLIGHT ZONES WITHIN SPACE, PER IECC 2018.
4. REFER TO DRAWINGS FOR COORDINATION OF SWITCH LEG AND ZONE CONTROL.

COPY / WORK ROOM
1. LIGHTING SHALL BE CONTROLLED WITH STAND-ALONE OCCUPANCY SENSOR WITH ON/OFF OPERATION ONLY.

STORAGE ROOM
1. LIGHTING SHALL BE CONTROLLED WITH STAND-ALONE OCCUPANCY SENSOR WITH ON/OFF OPERATION ONLY.

RESTROOMS
1. LIGHTING SHALL BE CONTROLLED WITH STAND-ALONE OCCUPANCY SENSOR WITH ON/OFF OPERATION ONLY.
2. MANUAL OVERRIDE SHALL BE KEYPAD.

STAIRS
1. LIGHTING IN STARTS TO DIM DOWN 50% OF UNOCCUPIED TIME AND TURN ON 100% WHEN MOTION PRESENT.

WORKSHOP
1. LIGHTING SHALL BE CONTROLLED WITH NETWORKED MULTI-ZONE POWER PACKS WITH 0-10V DIMMING CAPABILITY AND TIME-CLOCK FUNCTIONALITY.
2. OVERRIDE STATIONS SHALL BE PRESET STATION FOR SCENE CONTROL, KEYPAD OR TOUCH-SCREEN.
3. DAYLIGHT SENSORS AND DIMMING SHALL BE USED AS REQUIRED FOR SPACES WITH MORE THAN 150W OF LIGHTING IN DAYLIGHT ZONES WITHIN SPACE, PER IECC 2018.
4. REFER TO DRAWINGS FOR COORDINATION OF SWITCH LEG AND ZONE CONTROL.
5. LIGHTS TO TURN ON AND OFF BASED OFF BUSINESS HOURS TIME CLOCK, WITH OVERRIDE STATION LOCKED OUT DURING BUSINESS HOURS.
6. AFTER HOURS LIGHTS CAN BE TURNED ON VIA OVERRIDE STATION OR CEILING MOUNTED OCCUPANCY SENSORS.

SITE LIGHTING
1. SITE LIGHTING SHALL BE CONTROLLED WITH NETWORKED AND TIME CLOCK CONTROL THROUGH LIGHTING RELAY CABINET.
2. LIGHTING SHALL DIM DOWN AFTER MIDNIGHT BY 30% PER IECC 2018.

SIGNAGE
1. BUILDING SIGNAGE SHALL BE CONTROLLED THROUGH LIGHTING RELAY CABINET WITH NETWORKED TIME CLOCK CONTROL.
2. USE TIME CLOCK FOR BUILDING SIGNAGE TO BE THE SAME DEVICE \ BRAND.

TIME-CLOCK SCHEDULING
1. SHALL INCLUDE ASTRONOMICAL TIME-CLOCK INTEGRAL TO PROCESSOR.
2. SCHEDULES SHALL ALLOW FOR:
3. WEEKDAY OPEN
4. WEEKDAY CLOSE
5. WEEKEND OPEN
6. WEEKEND CLOSE
7. SCHEDULE OF BUSINESS HOURS TO BE COORDINATED WITH OWNER PRIOR TO START UP.

OCCUPANCY / VACANCY SENSORS
1. TIME-DELAYS SHALL BE VERIFIED WITH OWNER PRIOR TO START UP, NO MORE THAN 30 MINUTES AS REQUIRED.
2. OCCUPANCY SENSORS SHALL BE AUTO ON/ AUTO OFF.
3. VACANCY SENSORS SHALL BE MANUAL ON/ AUTO OFF.

EMERGENCY EGRESS LIGHTING
1. ALL EMERGENCY LIGHTING SHALL MEET THE UL 924 STANDARDS FOR EMERGENCY LIGHTING AND CONTROLS.
   - THE ELECTRICAL SUPPLY MUST PROVIDE POWER WITHIN 10 SECONDS OF THE LOSS OF NORMAL POWER.
   - PERFORMANCE REQUIREMENTS FOR UNIT EQUIPMENT, AT LEAST 60% OF INITIAL ILLUMINATION MUST BE MAINTAINED FOR 90 MINUTES. THE BATTERY VOLTAGE SHALL REMAIN AT NO LESS THAN 87.5% OF ITS NOMINAL VOLTAGE DURING THE ENTIRE 90-MINUTE PERIOD.
   - UNDER NORMAL CONDITIONS, EGRESS LIGHTING MUST BE SERVED BY THE BUILDING'S PRIMARY ELECTRICAL SUPPLY. WHEN NORMAL SUPPLY FAILS, THE EMERGENCY POWER SUPPLY MUST ILLUMINATE PATHWAYS THAT LEAD TO EXITS, THE EXITS THEMSELVES, EXIT DISCHARGES, ELECTRICAL ROOMS, FIRE COMMAND CENTERS, FIRE PUMP ROOMS, AND GENERATOR ROOMS.
2. ALL EMERGENCY LUMINAIRES WITHIN AN AREA ARE TO FUNCTION THE SAME AS NONEMERGENCY LUMINAIRES WITHIN GIVEN AREA DURING NORMAL MODE UNLESS NOTED OTHERWISE.
3. LUMINAIRES DENOTED 'NL' ARE TO BE UNSWITCHED AND REMAIN ON AT ALL TIMES.

ELECTRICAL SYMBOL LEGEND

MISCELLANEOUS

- T — TRANSFORMER
- 400A / 3P — AUTOMATIC TRANSFER SWITCH AMPS / POLES AS INDICATED ON PLANS
- MOTOR
- MAGNETIC MOTOR STARTER, H-O-A-P UNO
- COMBINATION MOTOR CONTROLLER AND NON-FUSED DISCONNECT SWITCH
- DISCONNECT SWITCH - 30A, NON-FUSED, 3-POLE UNO. NEMA 1 ENCLOSURE EXCEPT "3R" INDICATES NEMA 3R.
- VARIABLE FREQUENCY DRIVE FURNISHED BY DIV 23, CONNECTED BY DIV 26
- IR — INFRARED SENSORS. SENSORS SHALL BE CONNECTED TO CORRIDOR LIGHTING
- KP — KEY PAD. CONTRACTOR RESPONSIBLE TO PROVIDE ALL REQUIRED HARDWARE AND ELECTRICAL CONNECTIONS.
- DC — DOOR CONTACT. CONTRACTOR RESPONSIBLE TO PROVIDE ALL REQUIRED HARDWARE AND ELECTRICAL CONNECTIONS.
- E — PUSHBUTTON K = KEY OPERATED SWITCH (UP / OFF / DOWN POSITION) E = EMERGENCY POWER OFF BUTTON
- R — RELAY
- 100 — UNFUSED SWITCH - 100 AMP 3 POLE, UNO
- 100 — CIRCUIT BREAKER - 100 AMP FRAME, 3 POLE, UNO
- 100/100 — FUSED SWITCH 100 AMP SWITCH/100 AMP TYPE "FA" FUSE 3 POLE UNO
- J — CEILING MOUNTED JUNCTION BOX
- JH — FLUSH WALL MOUNTED JUNCTION BOX FOR MOUNTING HEIGHT REFER TO ARCHITECTURAL AND MEDICAL EQUIPMENT PLAN DRAWINGS.
- J — FLOOR MOUNTED JUNCTION BOX
- CONDUIT TURNING UP/DOWN
- CAPPED CONDUIT
- GROUND CONNECTION
- 1LB-1,3,5 — CONDUIT HOME RUN TO PANEL BOARD "1LB" WITH CIRCUITS 1,3,5
- CB 100 / 60 — FLUSH MOUNTED CIRCUIT BREAKER 100A FRAME/60A TRIP 3 POLE UNO
- PANELBOARD
- GAP — GENERATOR ANNUNCIATOR PANEL
- NEW CONSTRUCTION
- EXISTING TO REMAIN
- EXISTING TO BE REMOVED

FIRE ALARM

- FACP — FIRE ALARM CONTROL PANEL
- FAAP — FIRE ALARM REMOTE ANNUNCIATOR

ELECTRICAL SYMBOL LEGEND

POWER / DATA

- DUPLEX CONVENIENCE RECEPTACLE
  20A UNLESS OTHERWISE SPECIFIED
  NUMERAL INDICATES CKT NUMBER
  ISOLATED GROUND = SHADED INTERIOR
  GROUND FAULT INTERRUPTOR = DIAGONAL LINE
  ABOVE COUNTER (+42" UNO) = CHEVRON
  USB = SHADED EXTERIOR
  * ALL RECEPTACLES ON DEDICATED 20 AMP CIRCUITS SHALL BE RATED 20A.
  "WP" INDICATES WEATHERPROOF COVER
- CEILING MOUNTED DUPLEX CONVENIENCE RECEPTACLE
- QUADRUPLEX RECEPTACLE. REFER TO SYMBOLOGY OF DUPLEX RECEPTACLES
- **SINGLE POWER RECEPTACLE, 125V 3W GNDG UNO.**
- 250V RATED SPECIAL PURPOSE RECEPTACLE, REFER TO NOTES FOR NEMA CONFIGURATION.
- FLUSH FLOOR DEVICE, REFER TO PLANS FOR NEMA CONFIGURATION AND DATA REQUIREMENTS.
- POWER POLE WITH DUPLEX RECEPTACLES, REFER TO PLANS FOR QUANTITIES AND DETAILS.
- WALL MOUNTED DATA, D2 UNLESS NOTED OTHERWISE
- WALL MOUNTED DATA/TELEPHONE, D2 UNLESS NOTED OTHERWISE
- WALL MOUNTED TELEPHONE OUTLET WITH PLATE
- +XX" — INDICATES WALL OUTLET AT NON-STANDARD HEIGHT WHEN SHOWN ADJACENT TO ANY OUTLET OR RECEPTACLE. AT COUNTERS, MOUNT 6" ABOVE SPLASH UNO.
- PLUGMOLD WITH DUPLEX OUTLETS, 18" OC UNO "12" INDICATES OUTLETS AT 12" OC. "24" INDICATES OUTLETS AT 24" OC. "C" INDICATES WITH COMM COMPARTMENT

LIGHTING

- SURFACE OR SUSPENDED CEILING FIXTURE REFER TO FIXTURE SCHEDULE FOR MOUNTING REQUIREMENTS. COORDINATE MOUNTING HEIGHT AND LOCATIONS WITH ARCHITECTURAL DRAWINGS
- HATCHING INDICATES LIGHT IS POWERED FROM THE EMERGENCY LIFE SAFETY SYSTEM OR BATTERY PACK
- POLE MOUNTED AREA LIGHT
- EMERGENCY BATTERY PACK FIXTURE
- CEILING EXIT LIGHT - DIRECTIONAL ARROWS WHERE INDICATED. SHADED QUADRANTS INDICATE ILLUMINATED FACES
- WALL EXIT LIGHT - DIRECTIONAL ARROWS WHERE INDICATED SHADED QUADRANTS INDICATE ILLUMINATED FACES

LIGHTING CONTROLS

- OCCUPANCY SENSOR CEILING MOUNT, "VS" INDICATES VACANCY SENSOR
- OCCUPANCY SENSOR WALL MOUNT, "VS" INDICATES VACANCY SENSOR
- PP — LIGHTING CONTROL POWER PACK
- $X — TOGGLE SWITCH, 15A / 277VAC UNO
  2 = DOUBLE POLE
  3 = THREE-WAY
  4 = FOUR-WAY
  a = CONTROLS OUTLET OR FIXTRUE NOTED "a"
  K = KEY OPERATED
  P = WITH PILOT LIGHT
  T = INTERVAL TIMER, 30 MIN. UNO
  M = MOTOR RATED SWITCH. RATED FOR MOTOR SERVED
  MO = SPDT MOMENTARY CONTACT
  D = WITH DIMMING CAPABILITIES
  OC = OCCUPANCY SENSOR
  VS = VACANCY SENSOR
  LV = LOW VOLTAGE (TYPICAL ALL SWITCHES UNO)
- PC — PHOTOCELL CONTROL SWITCH
- TC — TIME CLOCK
- LCP — LIGHTING CONTROL PANEL

ABBREVIATIONS

A	AMPS	KVA	KILOVOLT AMPERES
AC	ALTERNATING CURRENT / ABOVE COUNTER	KW	KILOWATT
AFF	ABOVE FINISHED FLOOR	KWH	KILOWATT HOURS
AFG	ABOVE FINISHED GRADE	LP	LIGHTING PANEL
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	MC	METAL-CLAD CABLE
ATS	AUTOMATIC TRANSFER SWITCH	MCB	MAIN CIRCUIT BREAKER
AUX	AUXILLARY	MCC	MOTOR CONTROL CENTER
A/V	AUDIO / VISUAL	MCM	THOUSAND CIRCULAR MILS
AWG	AMERICAN WIRE GAUGE	MCP	MOTOR CONTROL PANEL
C/T	CURRENT TRANSFORMER	MIC	MICROPHONE
DP	DISTRIBUTION PANEL	MLO	MAIN LUGS ONLY
E	EXISTING TO REMAIN	NC	NORMALLY CLOSED
EM	ON EMERGENCY CIRCUIT	NF	NON-FUSE
EMT	ELECTRICAL METALLIC TUBING	NL	ON NIGHT LIGHTING CIRCUIT
EPO	EMERGENCY POWER OFF	NO	NORMALLY OPEN
FC	FOOT CANDLE	OL	OVERLOAD
GFI	GROUND FAULT CIRCUIT INTERRUPTER	OCP	OVERCURRENT PROTECTION
GFP	GROUND FAULT PROTECTION	PB	PULL BOX
GRC	GALVANIZED RIGID CONDUIT	PVC	POLYVINYL CHLORIDE
HOA	HAND OFF AUTOMATIC	SPD	SURGE PROTECTION DEVICE
IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS	SWBD	SWITCHBOARD
		SWGR	SWITCHGEAR
J-BOX	JUNCTION BOX	SUSP	SUSPENDED

DEMOLITION GENERAL NOTES

1. ALL WORK SHALL COMPLY WITH ALL PERTINENT NATIONAL, STATE, AND LOCAL ORDINANCES AND CODES, AND ALL AMERICAN DISABILITIES ACT (ADA) REQUIREMENTS.
2. DRAWINGS ARE DIAGRAMMATIC; COORDINATE THE ROUGH-IN LOCATION, CONNECTION TYPE AND TERMINATION REQUIREMENTS WITH EQUIPMENT INSTALLERS PRIOR TO ROUGH-IN.
3. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT PROJECT PHASING REQUIREMENTS.
4. REMOVE ALL ELECTRICAL AND SPECIAL SYSTEMS DEVICES AND EQUIPMENT (LIGHT FIXTURES, FIRE ALARM DEVICES, NURSE CALL DEVICES, WIRING DEVICES, SPEAKERS, ETC.) SHOWN DASHED AND WITHIN DEMOLITION AREA INDICATED BY DASHED WALLS, UNO. RETAIN 277 VOLT LIGHTING CIRCUITS TO SERVE NEW AND RELOCATED LIGHT FIXTURES.
5. FOR ALL REMOVED WIRING DEVICES, REMOVE ASSOCIATED BRANCH CIRCUITING AND DATA/COMMUNICATION WIRING AND CONDUIT FROM DEVICE TO SOURCE UNLESS NOTED OTHERWISE OR UNLESS REQUIRED TO MAINTAIN SERVICE TO DEVICES IN ADJACENT AREAS.
6. MAINTAIN SERVICE TO LIGHT FIXTURES, WIRING DEVICES, FIRE ALARM AND SPECIAL SYSTEM DEVICES OUTSIDE OF WORK AREA.
7. "R" DENOTES REMOVE AND REINSTALL TO NEW SHEET AS INDICATED.

FIRE ALARM GENERAL NOTES

1. FIRE ALARM DESIGN PLANS SHALL BE SUBMITTED TO THE GOVERNING JURISDICTION FOR APPROVAL PRIOR TO INSTALLATION AND THE INSTALLATION MUST BE APPROVED BEFORE THE CERTIFICATE OF OCCUPANCY MAY BE ISSUED.
2. DESIGN OF THE SYSTEM SHALL BE THE RESPONSIBILITY OF THE FIRE ALARM CONTRACTOR. CONTRACTOR SHALL PROVIDE ALL NECESSARY CONDUIT, BACK BOXES AND OTHER NECESSARY ROUGH IN. COORDINATE LOCATION OF ALL DEVICES WITH ARCHITECT AND ENGINEER PRIOR TO ROUGH IN.
3. ALL FIRE ALARM DEVICES SHALL MATCH BASE BUILDING STANDARD DEVICES AND SHALL BE CONNECTED TO THE EXISTING BUILDING FIRE ALARM SYSTEM.
4. ALL STROBE DEVICES SHALL BE LOCATED ABOVE LIGHT SWITCHES OR WITHIN 6" OF DOOR JAMB OR CORNER OF WALL AS APPLICABLE.
5. ALL VISUAL ALARM STROBES SHALL BE 15/75cd UNLESS NOTED OTHERWISE.

POWER & SPECIAL SYSTEMS GENERAL NOTES

1. ALL WORK SHALL COMPLY WITH ALL PERTINENT NATIONAL, STATE, AND LOCAL ORDINANCES AND CODES, AND ALL AMERICAN DISABILITIES ACT (ADA) REQUIREMENTS.
2. DRAWINGS ARE DIAGRAMMATIC; COORDINATE THE ROUGH-IN LOCATION, CONNECTION TYPE AND TERMINATION REQUIREMENTS WITH EQUIPMENT INSTALLERS PRIOR TO ROUGH-IN.
3. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS AND EXACT LOCATION OF ALL WIRING DEVICES.
4. COORDINATE LOW VOLTAGE SPECIAL SYSTEMS WITH ARCHITECT/OWNER. PROVIDE J-BOX AND 3/4" CONDUIT WITH PULLSTRING AND BUSHINGS TO ABOVE ACCESSIBLE CEILING.
   - PROVIDE BACKBOX AND RACEWAY ROUGH-IN FOR THE FOLLOWING SYSTEMS:
   - SECURITY (CAMERA'S, CARD READERS, ACCESS CONTROL)
   - OVERHEAD PAGE/PUBLIC ADDRESS
   - VOICE/DATA
   - A/V
   - PROVIDE 120V CONTROL REQUIREMENTS FOR THESE SYSTEMS.
5. FIRE ALARM SYSTEM IS PERFORMANCE-BASED.
   - *PROVIDE NEW FIRE ALARM SYSTEM TO ACCOMMODATE A COMPLETE WORKING FIRE ALARM SYSTEM. OR*
   - *CONNECT NEW FIRE ALARM DEVICES TO EXISTING FIRE ALARM SYSTEM. EXPAND AND MODIFY EXISTING FIRE ALARM SYSTEM TO ACCOMMODATE A COMPLETE WORKING FIRE ALARM SYSTEM.*
   - PROVIDE INTERFACE TO SERVE EGRESS DOORS TO AUTO RELEASE IN THE EVENT OF A FIRE ALARM.
   - FIRST RESPONDER RADIO COVERAGE SHALL BE MET. CONFIRM MINIMUM RADIO SIGNAL STRENGTH WITH THIRD PARTY CONSULTANT/FIRE DEPARTMENT. PROVIDE BDA, DAS OR OTHER TYPE OF RADIO ENHANCEMENT SYSTEM (RES) PER FIRE DEPARTMENT REQUIREMENTS.
   - PROVIDE 120V CONTROL REQUIREMENTS.
6. ALL CONDUCTORS SHALL HAVE A INSULATION RATING OF 75°C.
7. RUN #10 AWG TO FIRST DEVICE OF CIRCUIT IN HOME RUNS BEYOND 75' IN DISTANCE.
8. ALL SINGLE-PHASE RECEPTACLES RATED 150 V TO GROUND OR LESS, 50 A OR LESS AND THREE-PHASE RECEPTACLES RATED AT 150V TO GROUND OR LESS, 100 A OR LESS INSTALLED IN (1) BATHROOMS, (2) KITCHENS, (3) ROOFTOPS, (4) OUTDOORS, (5) SINKS, (6) INDOOR WET LOCATIONS, (7) LOCKER ROOMS WITH ASSOCIATED SHOWERING FACILITIES, (8) GARAGES, SERVICE BAYS, AND SIMILAR AREAS OTHER THAN VEHICLE EXHIBITION HALLS AND SHOWROOMS, (9) CRAWL SPACES AT OR BELOW GRADE LEVEL PER CURRENT NEC 210.8 (B). WHERE GFCI WIRING DEVICES ARE NOT ACCESSIBLE PROVIDE GFCI CIRCUIT BREAKER OR GFCI REMOTE RESET.
9. PROVIDE TAMPER RESISTANT ELECTRICAL DEVICES IN ALL OFFICES, CORRIDORS, AND WAITING ROOMS PER CURRENT NEC 406.12.
10. ALL OUTLET/RECEPTACLE COVER PLATES AND RECEPTACLES TO MATCH. MATCH PREDOMINATE COLOR. PROVIDE WITH IF ALL NEW.
11. ELECTRICAL OUTLETS AND TELEPHONE/DATA RECEPTACLES SHOWN IN SOUND RATED PARTITIONS SHALL NOT BE PLACED BACK TO BACK. OFFSET AT LEAST ONE STUD AND SEAL FOR SOUND AS REQUIRED.
12. ELECTRICAL SCHEDULES TO BE PROPERLY LABELED AND RECEPTACLES LABELED ACCURATELY IDENTIFYING PANELS AND CIRCUIT.
13. NO HORIZONTAL CONDUITS ARE ALLOWED EXCEPT UNDER WINDOWS.
14. FLEXIBLE CONDUITS SHALL BE USED ONLY FOR LIGHT FIXTURE WHIPS, RECEPTACLE AND SWITCH CONNECTIONS AND EQUIPMENT CONNECTIONS.
15. ALL FIXTURES AND DEVICES INDICATED AT OFFICE FURNITURE TO BE COORDINATED WITH FURNITURE SUPPLIER TO ALLOW ACCESS TO OUTLETS. OUTLETS SHALL NOT BE PLACED WHERE FURNITURE IS OBSTRUCTING ACCESS TO OUTLETS. FINAL PLACEMENT TO BE APPROVED BY OWNER / ARCHITECT.

LIGHTING GENERAL NOTES

1. ALL WORK SHALL COMPLY WITH ALL PERTINENT NATIONAL, STATE, AND LOCAL ORDINANCES AND CODES, AND ALL AMERICAN DISABILITIES ACT (ADA) REQUIREMENTS.
2. DRAWINGS ARE DIAGRAMMATIC; COORDINATE THE ROUGH-IN LOCATION, CONNECTION TYPE AND TERMINATION REQUIREMENTS WITH EQUIPMENT INSTALLERS PRIOR TO ROUGH-IN.
3. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATIONS OF CEILING MOUNTED LIGHT FIXTURES.
4. CONNECT LIGHT FIXTURES TO BRANCH CIRCUIT IDENTIFIED ADJACENT TO LIGHT SWITCH.
5. RUN #10 AWG TO FIRST DEVICE OF CIRCUIT IN HOMERUNS BEYOND 75' IN DISTANCE.
6. NEW LIGHT FIXTURES SHALL BE PROVIDED WITH LIGHT FIXTURE FIRE RATING THAT MATCHES EXISTING CONSTRUCTION.
7. PROVIDE LOW VOLTAGE DIMMER SWITCHED WITH RAISE/LOWER AND ON/OFF FUNCTION AND CONTROL VIA VACANCY/OCCUPANCY SENSORS. MATCH BASE BUILDING MANUFACTURER. PROVIDE POWER PACKS AS REQUIRED.

LIGHTING COMMISSIONING GENERAL NOTES

1. CONTRACTOR TO PROVIDE COMMISSIONING FOR THIS PROJECT.
2. 2018 INTERNATIONAL ENERGY CONSERVATION CODE (IECC) REQUIRES COMMISSIONING PER SECTION 408.
3. PROVIDE ELECTRICAL SYSTEM FUNCTIONAL TESTING PER 2018 IECC 408.3.1 FOR THE FOLLOWING:
   - 408.3.1.1 OCCUPANT SENSOR CONTROL.
   - 408.3.1.2 TIME-SWITCH CONTROLS.
   - 408.3.1.3 DAYLIGHT RESPONSIVE CONTROLS.
4. PROVIDE THE DOCUMENTATION REQUIRED PER 2018 IECC 408.3.2.
5. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING AND COORDINATING ELECTRICAL FUNCTIONAL TESTING WITH COMMISSIONING AGENT PRIOR TO FINAL ELECTRICAL INSPECTION BY LOCAL AUTHORITY HAVING JURISDICTION.
6. NOTIFY COMMISSIONING AGENT AT A MINIMUM OF TWO WEEKS PRIOR TO PERFORMING EACH FUNCTIONAL TEST.

CITY STAMP APPROVAL

DRAWING LIST

E0.01	ELECTRICAL SYMBOLS, LEGENDS AND GENERAL NOTES
E1.01	ELECTRICAL SITE PLAN
E2.01.1	ELECTRICAL POWER PLAN - LODGE LEVEL 1
E2.01.2	ELECTRICAL POWER PLAN - MAINTENANCE BUILDING LEVEL 1
E2.02.1	ELECTRICAL POWER PLAN - LODGE LEVEL 2
E2.02.2	ELECTRICAL POWER PLAN - MAINTENANCE BUILDING LEVEL 2
E3.01.1	ELECTRICAL LIGHTING PLAN - LODGE LEVEL 1
E3.01.2	ELECTRICAL LIGHTING PLAN - MAINTENANCE BUILDING LEVEL 1
E3.02.1	ELECTRICAL LIGHTING PLAN - LODGE LEVEL 2
E3.02.2	ELECTRICAL LIGHTING PLAN - MAINTENANCE BUILDING LEVEL 2
E7.01	ELECTRICAL ONE-LINE DIAGRAM
E8.01	ELECTRICAL SCHEDULES
E9.01	ELECTRICAL DETAILS

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

CFI Companies
CONSULTING ENGINEERS
2500 Wilcrest Drive, Suite 150 — Houston, Texas 77042
Tel: (281) 809-7532 — www.cficompanies.com
Texas Reg. No.: F-12902 — CFI Project No.: 123093.00

CAMERON PARISH PILOT'S LODGE
DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
0	11.17.2023	INITIAL ISSUE

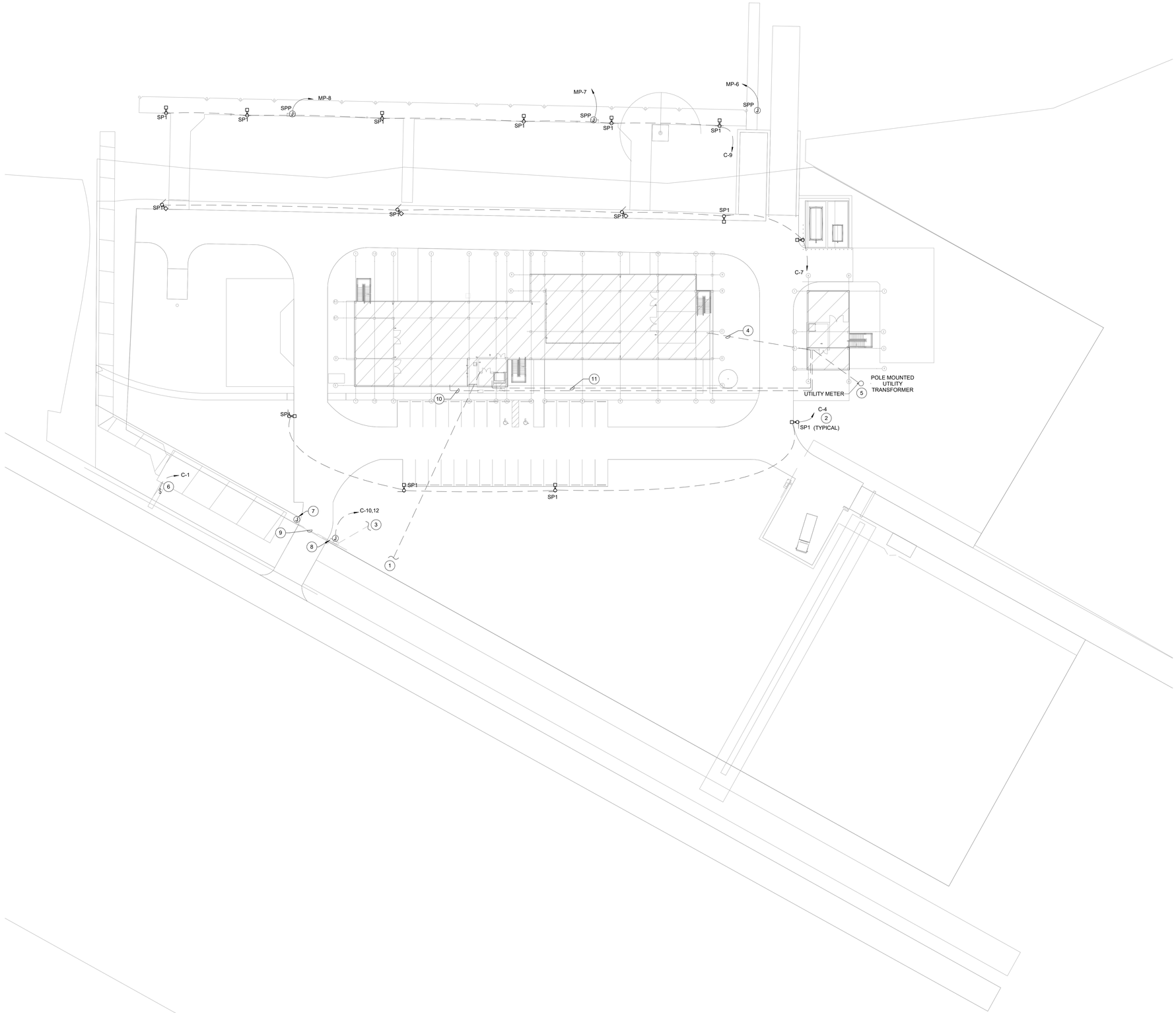
EA PROJECT NUMBER: 20039
ARCHITECT: #Contact Full Name
LICENSE #: #Contact Custom

STATE OF LOUISIANA — MICHAEL J. WALSH — License No. 30473 — PROFESSIONAL ENGINEER — ELECTRICAL ENGINEERING

11/17/2023

ELECTRICAL SYMBOLS, LEGENDS AND GENERAL NOTES

E0.01



ELECTRICAL SITE PLAN 1
1" = 30'-0"

CITY STAMP APPROVAL

XX INDICATES KEYED NOTE

KEYED NOTES

1. PROVIDE TWO (2) 4" CONDUITS FOR TELECOMMUNICATIONS. COORDINATE WITH UTILITY PROVIDER FOR SERVICE POINT LOCATION AND REQUIREMENTS. ROUTE CONDUITS TO BUILDING IT ROOM/ TELECOM ROOM. COORDINATE EXACT STUB-UP LOCATION WITH OWNER PROVIDE EQUIPMENT. PROVIDE ENDS WITH THREADED END CAPS, PERMANENT CONDUIT LABELS AND PULL STRING.
2. CONTRACTOR TO VERIFY LENGTHS OF BRANCH CIRCUITS CONDUCTORS PRIOR TO INSTALLATION. BRANCH CIRCUIT CONDUCTORS ARE SIZED TO PREVENT A MAXIMUM VOLTAGE DROP OF 3%. ALL 120V RUNS LONGER THAN 60' SHALL BE #10 AWG
3. 2" CONDUIT FOR ACCESS CONTROL. COORDINATE WITH VENDER FOR TERMINATION POINT.
4. PANEL A FEEDERS. REFERENCE ONE-LINE DIAGRAM FOR FEEDER SIZES.
5. ALL CONDUIT FOR ELECTRICAL SERVICE SHALL BE INSTALLED PER UTILITY STANDARDS AND SHALL HAVE MINIMUM 42" COVER. CONTRACTOR SHALL BE RESPONSIBLE FOR FILING WITH UTILITY AND INSTALLING PER UTILITY INSTRUCTIONS.
6. MONUMENT SIGNAGE, PROVIDE THREE (3) 1" CONDUITS. ONE (1) CONDUIT FOR POWER, ONE (1) CONDUIT WITH LABELED PULL STRING FOR DATA, ONE (1) CONDUIT WITH LABELED PULL STRING FOR SPARE BACK TO ELECTRICAL ROOM.
7. STEPDOWN TRANSFORMER FOR POWER TO GATE OPERATOR AND PEDESTRIAN GATE. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN. LOCATE CONDUITS AS RECOMMENDED BY GATE MANUFACTURERS INSTALLATION INSTRUCTION. VERIFY ALL POWER REQUIREMENTS WITH GATE MANUFACTURER. PROVIDE NEC DISCONNECT.
8. 12"X12"X12" HAND HOLE
9. 1" CONDUIT TO THE GATE CONTROLLER FOR FUTURE ACCESS CONTROL.
10. PROVIDE CONDUITS PER MANUFACTURES RECOMMENDATIONS FOR GENERATOR CONTROLS, FIRE ALARM CONTROLS, IT AND TWO (2) ADDITIONAL 1" CONDUITS FOR SPARE.
11. PANEL B FEEDERS. REFERENCE ONE-LINE DIAGRAM FOR FEEDER SIZES.

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

CFI Companies
CONSULTING ENGINEERS
2500 Wilcrest Drive, Suite 150 Houston, Texas 77042
Tel: (281) 809-7532 www.cficompanies.com
Texas Reg. No.: F-12902 CFI Project No.: 123093.00

CAMERON PARISH PILOT'S LODGE
DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
0	11.17.2023	INITIAL ISSUE

EA PROJECT NUMBER: 20039
ARCHITECT: #Contact Full Name
LICENSE #: #Contact Custom

STATE OF LOUISIANA
MICHAEL J. WALSH
License No. 30473
PROFESSIONAL ENGINEER
ELECTRICAL ENGINEERING

11/17/2023

ELECTRICAL SITE PLAN

E1.01

(XX) INDICATES KEYED NOTE

KEYED NOTES

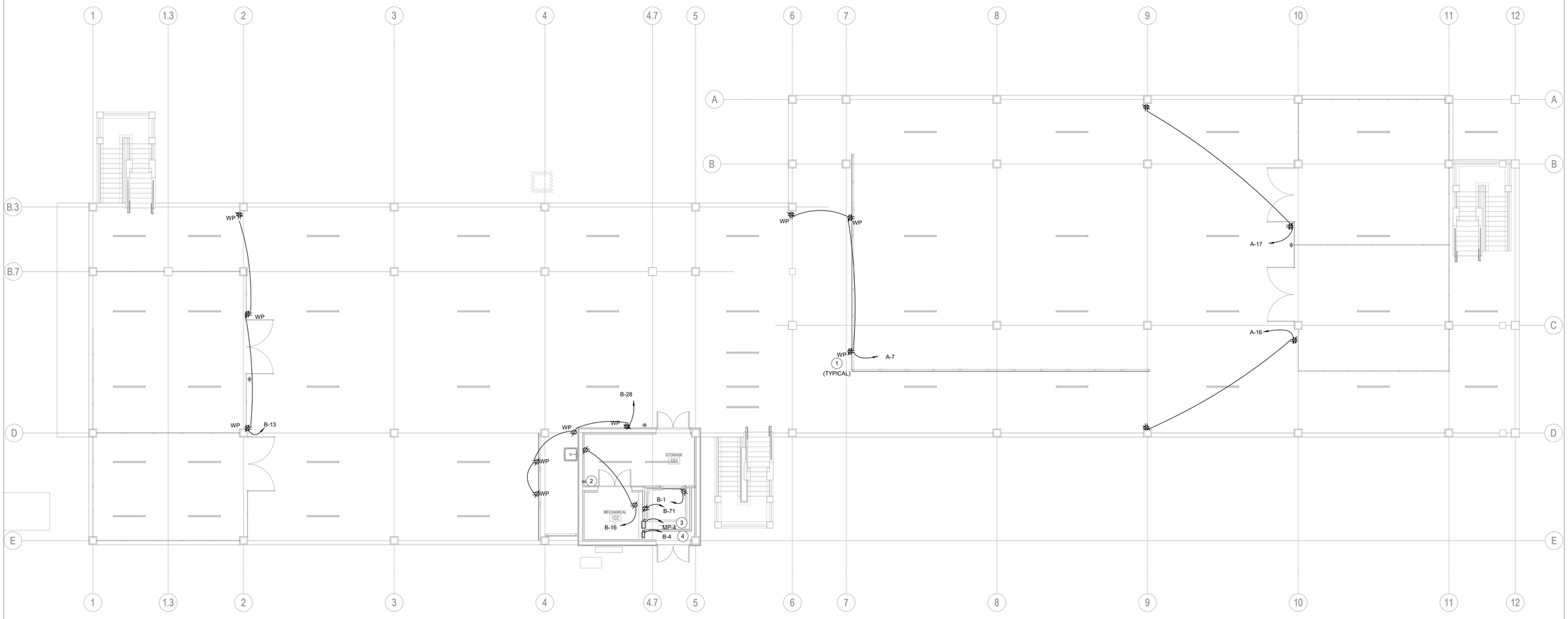
1 ALL RECEPTACLES LABELED "WP" SHALL BE WEATHER RESISTANT AND PROVIDED WITH A WEATHERPROOF "WHILE-IN-USE" COVER.

2 PROVIDE (2) 4" CONDUITS AND (2) 2" CONDUITS STUBBED UP THROUGH CEILING FOR LOW VOLTAGE CABLING. ENDS OF CONDUIT ARE TO BE EQUIPPED WITH PLASTIC BUSHINGS ON EACH END. COORDINATE WITH AUTONATION IT VENDOR FOR LOCATION.

3 PROVIDE BUSSMANN PSI T48R2GBU SERIES POWER MODULE SWITCH OR EQUAL WITH ALL REQUIRED ACCESSORIES AND INTERFACE WITH HEAT DETECTOR IN ELEVATOR SHAFT TO SHUNT POWER ACTIVATION OF HEAT DETECTOR. (VERIFY POWER MODULE SWITCH SIZE WITH ELEVATOR EQUIPMENT SUPPLIER).

4 LOCKABLE DISCONNECT FOR ELEVATOR CAB LIGHTING AND POWER.

CITY STAMP APPROVAL



ELECTRICAL POWER PLAN - LODGE LEVEL 1

1/8" = 1'-0"

1

ENERGYARCHITECTURE

2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

CFI Companies
CONSULTING ENGINEERS

2500 Wilcrest Drive, Suite 150 Houston, Texas 77042
Tel: (281) 809-7532 www.cficompanies.com
Texas Reg. No.: F-12902 CFI Project No.: 123093.00

CAMERON PARISH PILOT'S LODGE

DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
0	11.17.2023	INITIAL ISSUE

EA PROJECT NUMBER: 20039
ARCHITECT: #Contact Full Name
LICENSE #: #Contact Custom

STATE OF LOUISIANA
MICHAEL J. WALSH
License No. 30473
PROFESSIONAL ENGINEER
ELECTRICAL ENGINEERING

11/17/2023

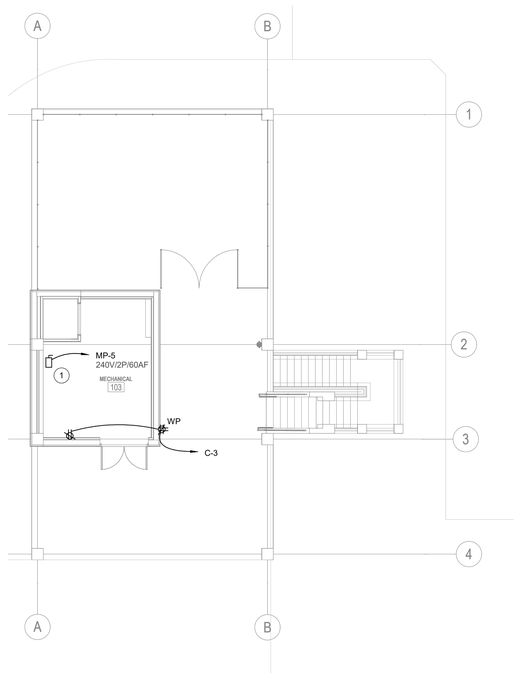
ELECTRICAL POWER PLAN - LODGE LEVEL 1

E2.01.1

CITY STAMP APPROVAL

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

CFI Companies
CONSULTING ENGINEERS
2500 Wilcrest Drive, Suite 150 Houston, Texas 77042
Tel: (281) 809-7532 www.cficompanies.com
Texas Reg. No.: F-12902 CFI Project No.: 123093.00



(XX) INDICATES KEYED NOTE

KEYED NOTES

1 PROVIDE BUSSMANN PSI T48R2GBU SERIES POWER MODULE SWITCH OR EQUAL WITH ALL REQUIRED ACCESSORIES AND INTERFACE WITH HEAT DETECTOR IN ELEVATOR SHAFT TO SHUNT POWER ACTIVATION OF HEAT DETECTOR. (VERIFY POWER MODULE SWITCH SIZE WITH ELEVATOR EQUIPMENT SUPPLIER).

ELECTRICAL POWER PLAN - MAINTENANCE BUILDING LEVEL 1
1/8" = 1'-0"

1

CAMERON PARISH PILOT'S LODGE
DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
0	11.17.2023	INITIAL ISSUE

EA PROJECT NUMBER: 20039
ARCHITECT: #Contact Full Name
LICENSE #: #Contact Custom

STATE OF LOUISIANA
MICHAEL J. WALSH
License No. 30473
PROFESSIONAL ENGINEER
ELECTRICAL ENGINEER

11/17/2023

ELECTRICAL POWER PLAN - MAINTENANCE BUILDING LEVEL 1

E2.01.2

(XX) INDICATES KEYED NOTE

KEYED NOTES

1 REFERENCE SPECIAL DEVICE SCHEDULE FOR TV BOX INFORMATION. COORDINATE WITH ARCHITECT AND OWNER FOR EXACT LOCATION, MOUNTING HEIGHT, COVER PLATE FINISH AND DEVICES.

2 PROVIDE (2) 4" CONDUITS AND (2) 2" CONDUITS STUBBED UP THROUGH CEILING FOR LOW VOLTAGE CABLING. ENDS OF CONDUIT ARE TO BE EQUIPPED WITH PLASTIC BUSHINGS ON EACH END. COORDINATE WITH AUTONATION IT VENDOR FOR LOCATION.

3 PROVIDE CONDUIT ABOVE AREAS WITH SHEETROCK CEILINGS FOR LOW VOLTAGE CABLING. PROVIDE LABELED PULL STRING AND ENDS WITH PLASTIC ENDCAPS. CONDUIT IS TO RUN TO AN ACCESSIBLE CEILING LOCATION WITH AN ACCESSIBLE ROUTE TO THE IT/ PHONE ROOM.

4 * DENOTES ON GFCI BREAKER

5 WIRELESS AP. COORDINATE EXACT LOCATION AND POWER REQUIREMENTS WITH IT CONTRACTOR PRIOR TO ROUGH-IN.

6 REFERENCE ARCHITECTURAL INTERIOR ELEVATIONS DRAWINGS FOR MILLWORK DETENTIONS AND EQUIPMENT MOUNTING LOCATION.

7 NO EQUIPMENT, JUNCTION BOX, ECT. REQUIRING ACCESS SHALL BE LOCATED IN HARD CEILING AREAS (UNLESS ACCESSIBLE PANEL IS PROVIDED, COORDINATE WITH ARCHITECT). RELOCATE EXISTING EQUIPMENT, JUNCTION BOX, ECT. TO ACCESSIBLE CEILING AREA.

8 PROVIDE 3/4" CONDUIT FROM EACH THERMOSTAT TO RESPECTIVE AC UNIT OR EXHAUST FAN, REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATIONS ANS REQUIREMENTS.

9 CONTRACTOR SHALL VERIFY AND COORDINATE WITH ARCHITECTURAL DRAWINGS AND ELEVATIONS AND OTHER CONSULTANTS DRAWING LOCATION AND ELEVATION OF ALL DEVICES TO BE PROVIDED BY ELECTRICAL CONTRACTOR.

10 WHERE INDICATED ON HVAC PLANS AS PART OF ELECTRICAL CONTRACTOR'S WORK AND NOT COVERED ON THIS PLAN. PROVIDE CONDUIT AND CONTROL WIRING (IF LOW VOLTAGE, PROVIDE CONTROL TRANSFORMER) AS REQUIRED.

11 PRIOR TO ROUGH-IN CONTRACTOR SHALL COORDINATE FINAL CONNECTIONS AND LOCATION TO ALL OWNER FURNISHED EQUIPMENT AND EQUIPMENT FURNISHED UNDER OTHER DIVISIONS OF THE WORK IN ACCORDANCE WITH THE MANUFACTURES SPECIFICATIONS AND INSTALLATION REQUIREMENTS.

12 PROVIDE SHUNT TRIP BREAKERS FOR ALL DEVICES UNDER KITCHEN HOODS.

13 CONNECT TO ANSUL FIRE SUPPRESSION SYSTEM FOR KITCHEN HOODS IN ACCORDANCE WITH ALL CODES. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH KITCHEN VENDOR. PROVIDE CONDUIT AND CONTROL WIRING AS SPECIFIED BY MANUFACTURE.

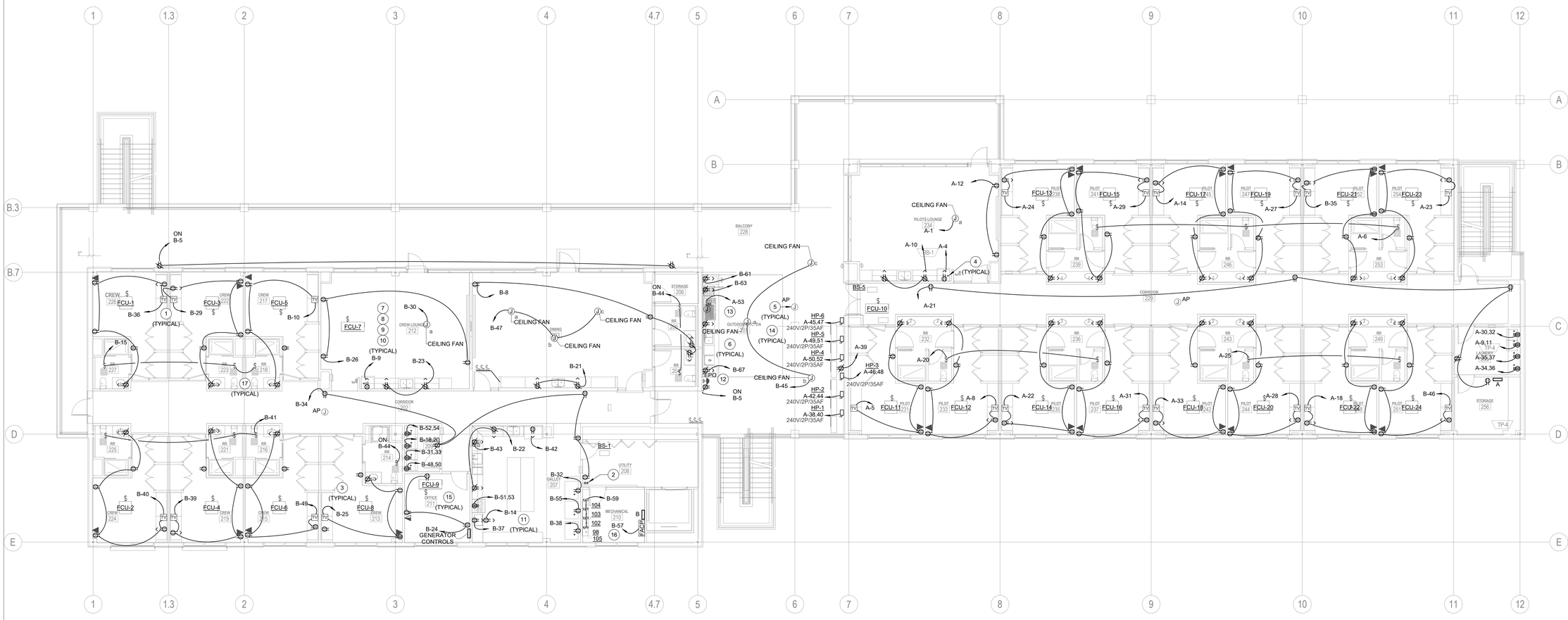
14 PROVIDE GFCI BREAKERS PER NEC 210.8(B) FOR KITCHEN AREA.

15 REFERENCE MECHANICAL ELECTRICAL COORDINATION SCHEDULE FOR CIRCUIT INFORMATION.

16 NFPA 10.6.5.2 AND NEC ARTICLE 760.41(B), THE BREAKER/BRANCH CIRCUIT TO THE FIRE ALARM CONTROL PANEL AND POWER SUPPLIES SHALL BE LABELED IN RED "FIRE ALARM CIRCUIT". FACP BREAKER SHALL BE RED IN COLOR AND SHALL BE CLEARLY INDICATED AS CONTROLLING THE FACP, AND THE PANEL ITSELF SHALL INDICATE THAT THE FACP CIRCUIT IS INSIDE WITH A SIGN.

17 EXHAUST FAN TO BE SWITCHED WITH LUMINAIRE IN SAME AREA

CITY STAMP APPROVAL



ELECTRICAL POWER PLAN - LODGE LEVEL 2

1/8" = 1'-0"

1

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

CFI Companies
CONSULTING ENGINEERS
2500 Wilcrest Drive, Suite 150 Houston, Texas 77042
Tel: (281) 809-7532 www.cficompanies.com
Texas Reg. No.: F-12902 CFI Project No.: 123093.00

CAMERON PARISH PILOT'S LODGE
DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
0	11.17.2023	INITIAL ISSUE

EA PROJECT NUMBER: 20039
ARCHITECT: #Contact Full Name
LICENSE #: #Contact Custom

STATE OF LOUISIANA
MICHAEL J. WALSH
License No. 30473
PROFESSIONAL ENGINEER
ELECTRICAL ENGINEERING

11/17/2023

ELECTRICAL POWER PLAN - LODGE LEVEL 2

E2.02.1

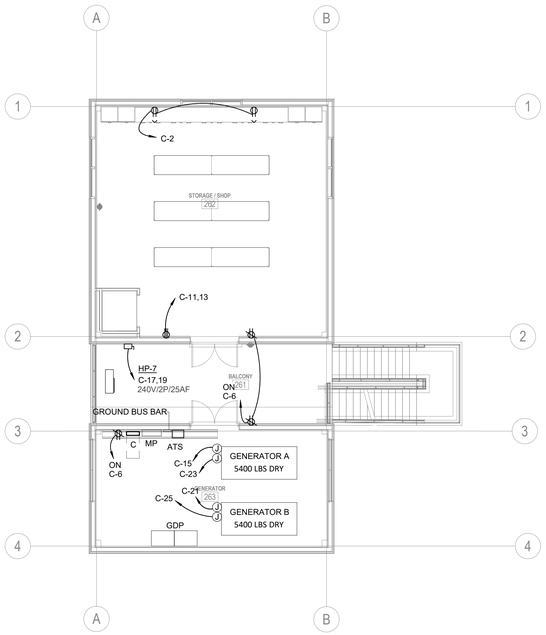
CITY STAMP APPROVAL

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

CFI Companies
CONSULTING ENGINEERS
2500 Wilcrest Drive, Suite 150 Houston, Texas 77042
Tel: (281) 809-7532 www.cficompanies.com
Texas Reg. No.: F-12902 CFI Project No.: 123093.00

(XX) INDICATES KEYED NOTE

KEYED NOTES



ELECTRICAL POWER PLAN - MAINTENANCE BUILDING LEVEL 2
1/8" = 1'-0"

1

CAMERON PARISH PILOT'S LODGE
DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
0	11.17.2023	INITIAL ISSUE

EA PROJECT NUMBER: 20039
ARCHITECT: #Contact Full Name
LICENSE #: #Contact Custom

STATE OF LOUISIANA
MICHAEL J. WALSH
License No. 30473
PROFESSIONAL ENGINEER
ELECTRICAL ENGINEERING

11/17/2023

ELECTRICAL POWER PLAN - MAINTENANCE BUILDING LEVEL 2

E2.02.2

(XX) INDICATES KEYED NOTE

KEYED NOTES

1 COORDINATE ALL EXIT SIGN LOCATIONS WITH THE ARCHITECTS PATH OF EGRESS, PROVIDE DIRECTIONAL CHEVRON ARROWS TO FOLLOW THE PATH OF EGRESS. LOCATION AND QUANTITY OF EXIT SIGN AND EGRESS LIGHTING SUBJECT TO FIELD VERIFICATION.

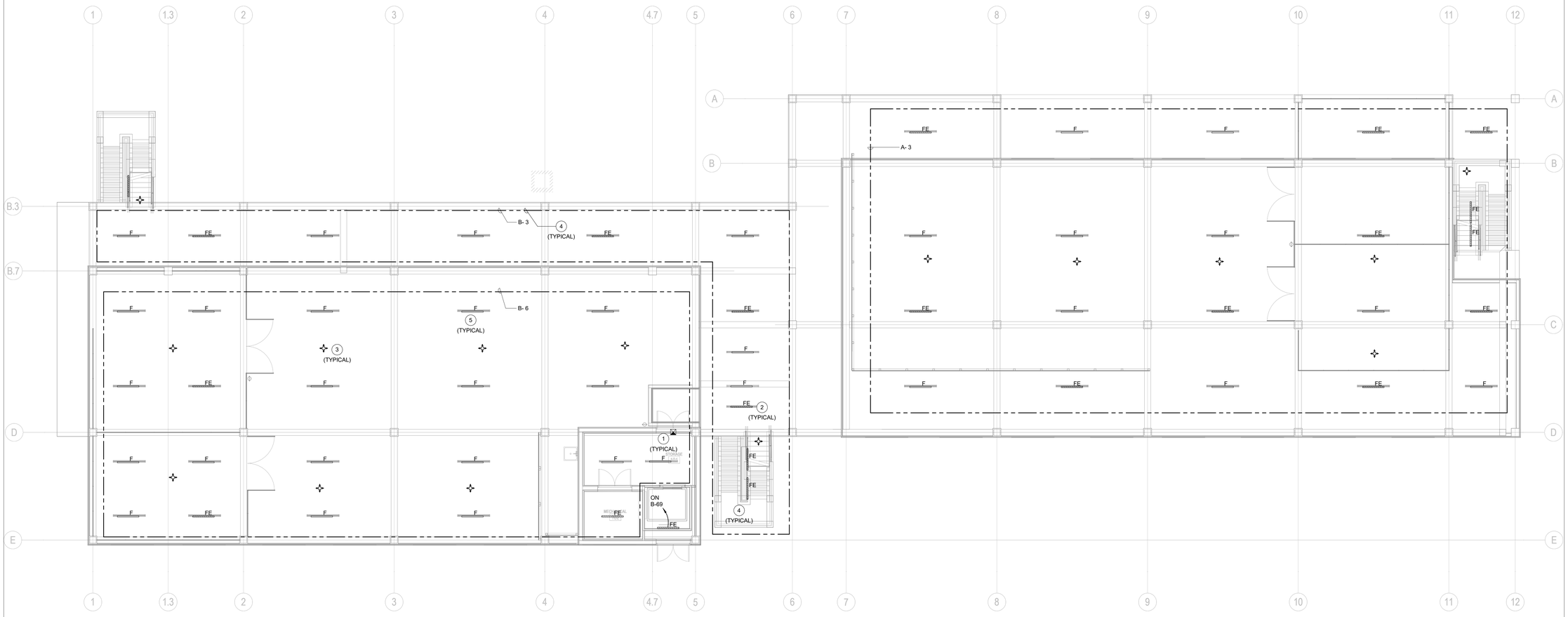
2 CROSSHATCHED LIGHT FIXTURES INDICATED EMERGENCY FIXTURE, REFERENCE LIGHTING SEQUENCE OF OPERATION FOR METHOD OF CONTROL FOR EACH AREA.

3 THE LOCATIONS AND QUANTITIES OF SENSORS SHOWN ON THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE ONLY THE ROOMS WHICH ARE TO BE PROVIDED WITH SENSORS. CONTRACTOR SHALL PROVIDE ADDITIONAL SENSORS IF REQUIRED TO PROPERLY AND COMPLETELY COVER THE RESPECTIVE AREA.

4 LUMINAIRES IN STAIRS SHALL BE 100% AUTOMATIC ON. LIGHTS DIM DOWN TO 50% UPON UNOCCUPIED SPACE. WHEN OCCUPIED, LIGHT ON FLOOR ABOVE AND BELOW TURN ON.

5 COORDINATE WITH ARCHITECTURAL INTERIOR ELEVATIONS DRAWINGS FOR ALL LIGHTING MOUNTING HEIGHTS.

CITY STAMP APPROVAL



ELECTRICAL LIGHTING PLAN - LODGE LEVEL 1
1/8" = 1'-0"

1

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

CFI Companies
CONSULTING ENGINEERS
2500 Wilcrest Drive, Suite 150 Houston, Texas 77042
Tel: (281) 809-7532 www.cficompanies.com
Texas Reg. No.: F-12902 CFI Project No.: 123093.00

CAMERON PARISH PILOT'S LODGE

DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
0	11.17.2023	INITIAL ISSUE

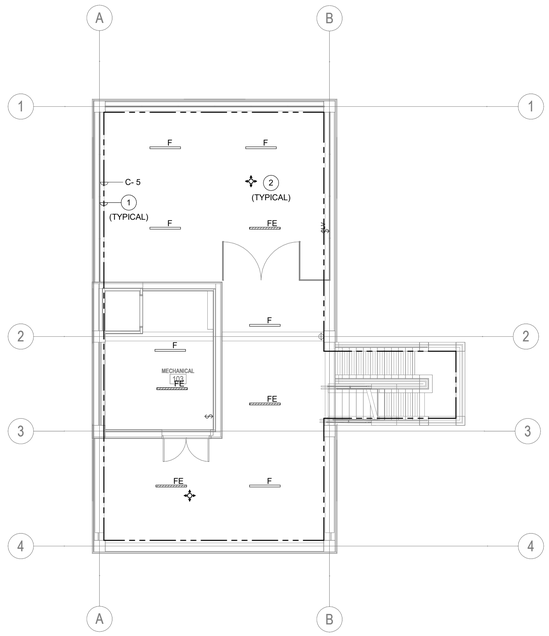
EA PROJECT NUMBER: 20039
ARCHITECT: #Contact Full Name
LICENSE #: #Contact Custom

STATE OF LOUISIANA
MICHAEL J. WALSH
License No. 30473
PROFESSIONAL ENGINEER
ELECTRICAL ENGINEERING

11/17/2023

ELECTRICAL LIGHTING PLAN - LODGE LEVEL 1

E3.01.1



ELECTRICAL LIGHTING PLAN - MAINTENANCE BUILDING LEVEL 1
1/8" = 1'-0"

1

CITY STAMP APPROVAL

(XX) INDICATES KEYED NOTE

KEYED NOTES

1 LINE INDICATES AREAS TO BE SERVED BY COMMON LIGHTING BRANCH CIRCUIT, UNLESS OTHERWISE INDICATED OR NOTED ON PLANS.

2 THE LOCATIONS AND QUANTITIES OF SENSORS SHOWN ON THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE ONLY THE ROOMS WHICH ARE TO BE PROVIDED WITH SENSORS. CONTRACTOR SHALL PROVIDE ADDITIONAL SENSORS IF REQUIRED TO PROPERLY AND COMPLETELY COVER THE RESPECTIVE AREA.

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

CFI Companies
CONSULTING ENGINEERS
2500 Wilcrest Drive, Suite 150 Houston, Texas 77042
Tel: (281) 809-7532 www.cficompanies.com
Texas Reg. No.: F-12902 CFI Project No.: 123093.00

CAMERON PARISH PILOT'S LODGE
DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
0	11.17.2023	INITIAL ISSUE

EA PROJECT NUMBER: 20039
ARCHITECT: #Contact Full Name
LICENSE #: #Contact Custom

STATE OF LOUISIANA
MICHAEL J. WALSH
License No. 30473
PROFESSIONAL ENGINEER
11/17/2023

ELECTRICAL LIGHTING PLAN - MAINTENANCE BUILDING LEVEL 1

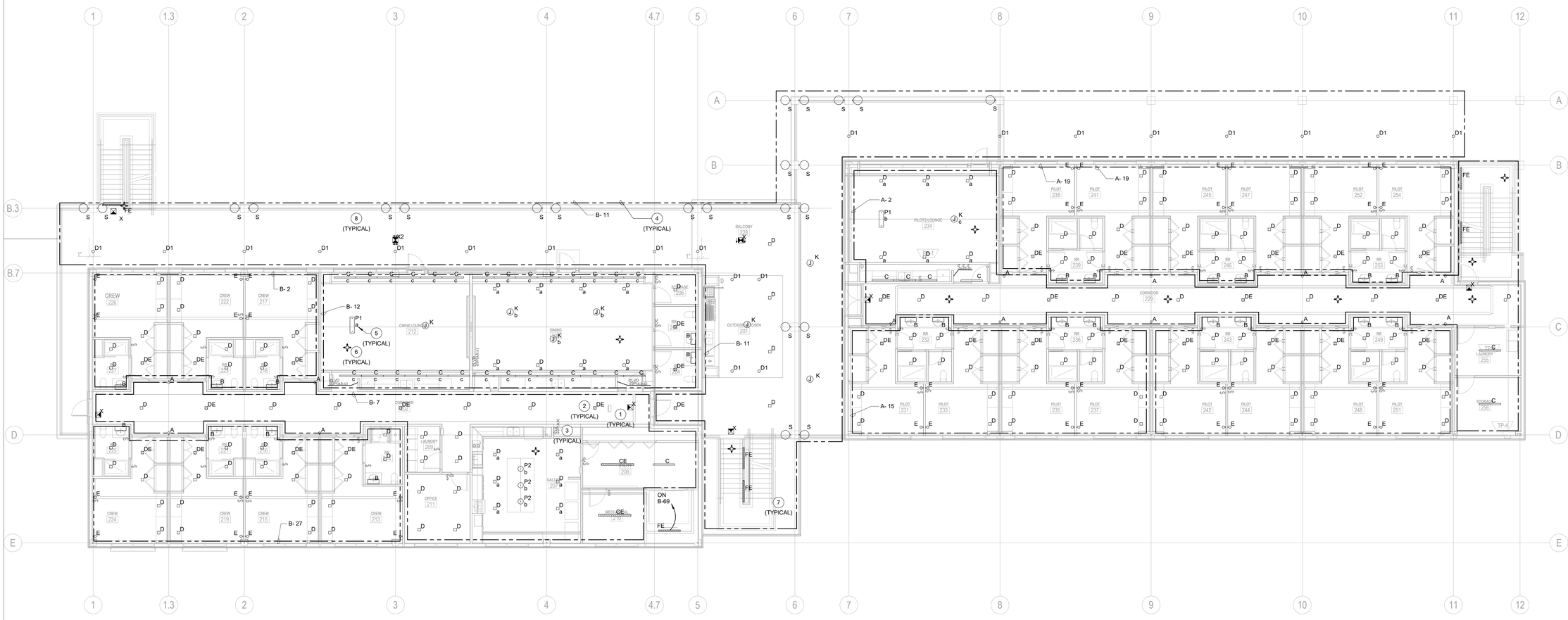
E3.01.2

(XX) INDICATES KEYED NOTE

KEYED NOTES

1. COORDINATE ALL EXIT SIGN LOCATIONS WITH THE ARCHITECTS PATH OF EGRESS, PROVIDE DIRECTIONAL CHEVRON ARROWS TO FOLLOW THE PATH OF EGRESS. LOCATION AND QUANTITY OF EXIT SIGN AND EGRESS LIGHTING SUBJECT TO FIELD VERIFICATION.
2. CROSSHATCHED LIGHT FIXTURES INDICATED EMERGENCY FIXTURE, REFERENCE LIGHTING SEQUENCE OF OPERATION FOR METHOD OF CONTROL FOR EACH AREA.
3. AFTER HOURS LIGHTING CONTROLS OVERRIDE PUSH BUTTON. PROVIDE SWITCH STATION PROGRAMMED TO OPERATE AND OVERRIDE TIME CONTROL OF LIGHTING ZONES FROM LIGHTING RELAY DIMMING CABINET. PROVIDE LOW VOLTAGE SWITCH WITH PILOT LIGHT AND LABELS TO INDICATE THE ON/OFF STATUS FOR EACH AREA. COORDINATE WITH OWNER PRIOR TO LIGHTING START UP, TIME CLOCK FUNCTION AND SCHEDULE. REFER TO LIGHTING SEQUENCE OF OPERATIONS FOR ADDITIONAL INFORMATION.
4. LINE INDICATES AREAS TO BE SERVED BY COMMON LIGHTING BRANCH CIRCUIT, UNLESS OTHERWISE INDICATED OR NOTED ON PLANS.
5. LOWER CASE LETTER INDICATES THE LOW VOLTAGE SWITCH ASSOCIATED TO THE BRANCH CIRCUIT TO PROVIDE A NIGHTTIME/ AFTERHOURS OVERRIDE FUNCTION. REFERENCE SEQUENCE OF OPERATIONS FOR ROOM SPECIFIC FUNCTIONALITY.
6. THE LOCATIONS AND QUANTITIES OF SENSORS SHOWN ON THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE ONLY THE ROOMS WHICH ARE TO BE PROVIDED WITH SENSORS. CONTRACTOR SHALL PROVIDE ADDITIONAL SENSORS IF REQUIRED TO PROPERLY AND COMPLETELY COVER THE RESPECTIVE AREA.
7. LUMINAIRES IN STAIRS SHALL BE 100% AUTOMATIC ON. LIGHTS DIM DOWN TO 50% UPON UNOCCUPIED SPACE. WHEN OCCUPIED, LIGHT ON FLOOR ABOVE AND BELOW TURN ON.
8. COORDINATE WITH ARCHITECTURAL INTERIOR ELEVATIONS DRAWINGS FOR ALL LIGHTING MOUNTING HEIGHTS.

CITY STAMP APPROVAL



ELECTRICAL LIGHTING PLAN - LODGE LEVEL 2

1/8" = 1'-0"

1

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

CFI Companies
CONSULTING ENGINEERS
2500 Wilcrest Drive, Suite 150 Houston, Texas 77042
Tel: (281) 809-7532 www.cficompanies.com
Texas Reg. No.: F-12902 CFI Project No.: 123093.00

CAMERON PARISH PILOT'S LODGE

DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
0	11.17.2023	INITIAL ISSUE

EA PROJECT NUMBER: 20039
ARCHITECT: #Contact Full Name
LICENSE #: #Contact Custom

STATE OF LOUISIANA
MICHAEL J. WALSH
License No. 30473
PROFESSIONAL ENGINEER
IN
ELECTRICAL ENGINEERING

11/17/2023

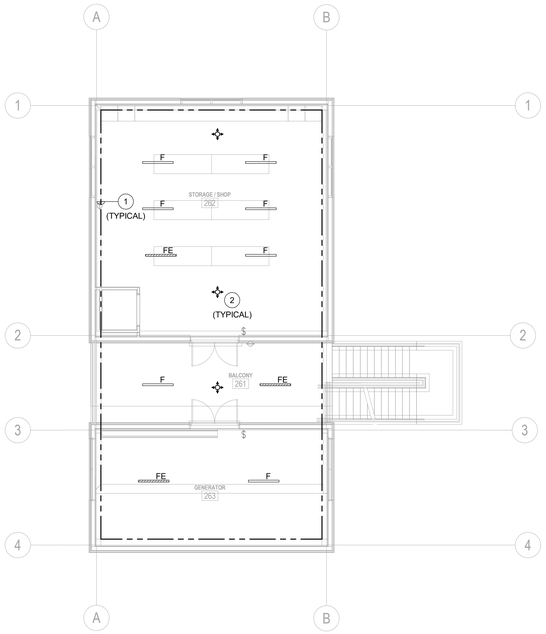
ELECTRICAL LIGHTING PLAN - LODGE LEVEL 2

E3.02.1

CITY STAMP APPROVAL

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

CFI Companies
CONSULTING ENGINEERS
2500 Wilcrest Drive, Suite 150 Houston, Texas 77042
Tel: (281) 809-7532 www.cficompanies.com
Texas Reg. No.: F-12902 CFI Project No.: 123093.00



(XX) INDICATES KEYED NOTE

KEYED NOTES

1 LINE INDICATES AREAS TO BE SERVED BY COMMON LIGHTING BRANCH CIRCUIT, UNLESS OTHERWISE INDICATED OR NOTED ON PLANS.

2 THE LOCATIONS AND QUANTITIES OF SENSORS SHOWN ON THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE ONLY THE ROOMS WHICH ARE TO BE PROVIDED WITH SENSORS. CONTRACTOR SHALL PROVIDE ADDITIONAL SENSORS IF REQUIRED TO PROPERLY AND COMPLETELY COVER THE RESPECTIVE AREA.

CAMERON PARISH PILOT'S LODGE
DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
0	11.17.2023	INITIAL ISSUE

EA PROJECT NUMBER: 20039
ARCHITECT: #Contact Full Name
LICENSE #: #Contact Custom

STATE OF LOUISIANA
MICHAEL J. WALSH
License No. 30473
PROFESSIONAL ENGINEER
ELECTRICAL ENGINEERING

11/17/2023

ELECTRICAL LIGHTING PLAN - MAINTENANCE BUILDING LEVEL 2

E3.02.2

ELECTRICAL LIGHTING PLAN - MAINTENANCE BUILDING LEVEL 2
1/8" = 1'-0"
1

BRANCH AND FEEDER CIRCUIT SCHEDULE (COPPER)

AMPS	SYMBOL	CONDUCTORS - 3W	EMT	PVC 40	SYMBOL	CONDUCTORS - 4W	EMT	PVC 40
15	15-3	3#12, 1#12G.	3/4"C.	3/4"C.	15-4	4#12, 1#12G.	3/4"C.	3/4"C.
20	20-3	3#12, 1#12G.	3/4"C.	3/4"C.	20-4	4#12, 1#12G.	3/4"C.	3/4"C.
25	25-3	3#10, 1#10G.	3/4"C.	3/4"C.	25-4	4#10, 1#10G.	3/4"C.	3/4"C.
30	30-3	3#10, 1#10G.	3/4"C.	3/4"C.	30-4	4#10, 1#10G.	3/4"C.	3/4"C.
35	35-3	3#8, 1#10G.	3/4"C.	3/4"C.	35-4	4#8, 1#10G.	3/4"C.	3/4"C.
40	40-3	3#8, 1#10G.	3/4"C.	3/4"C.	40-4	4#8, 1#10G.	3/4"C.	3/4"C.
45	45-3	3#6, 1#10G.	3/4"C.	3/4"C.	45-4	4#6, 1#10G.	1"C.	1"C.
50	50-3	3#6, 1#10G.	3/4"C.	3/4"C.	50-4	4#6, 1#10G.	1"C.	1"C.
60	60-3	3#4, 1#10G.	1"C.	1"C.	60-4	4#4, 1#10G.	1 1/4"C.	1 1/4"C.
70	70-3	3#4, 1#8G.	1"C.	1"C.	70-4	4#4, 1#8G.	1 1/4"C.	1 1/4"C.
80	80-3	3#3, 1#8G.	1 1/4"C.	1 1/4"C.	80-4	4#3, 1#8G.	1 1/4"C.	1 1/2"C.
90	90-3	3#2, 1#8G.	1 1/4"C.	1 1/4"C.	90-4	4#2, 1#8G.	1 1/4"C.	1 1/4"C.
100	100-3	3#1, 1#8G.	1 1/4"C.	1 1/2"C.	100-4	4#1, 1#8G.	1 1/2"C.	1 1/2"C.
110	110-3	3#1, 1#6G.	1 1/4"C.	1 1/2"C.	110-4	4#1, 1#6G.	1 1/2"C.	1 1/2"C.
125	125-3	3#1, 1#6G.	1 1/4"C.	1 1/2"C.	125-4	4#1, 1#6G.	1 1/2"C.	1 1/2"C.
150	150-3	3#1/0, 1#6G.	1 1/2"C.	1 1/2"C.	150-4	4#1/0, 1#6G.	2"C.	2"C.
175	175-3	3#2/0, 1#6G.	2"C.	2"C.	175-4	4#2/0, 1#6G.	2"C.	2"C.
200	200-3	3#3/0, 1#6G.	2 1/2"C.	2 1/2"C.	200-4	4#3/0, 1#6G.	2"C.	2"C.

EMT - ELECTRICAL METALLIC TUBING
PVC 40 - RIGID POLYVINYL CHLORIDE CONDUIT - SCHEDULE 40

NOTES:
1. COPPER CONDUCTOR AMPACITY SIZES BASED ON CURRENT NEC COPPER CONDUCTOR AMPACITY TABLE. CONDUCTORS LESS THAN 110 AMPS UTILIZE 60°C. CONDUCTORS GREATER THAN 110 AMPS UTILIZE 75°C.
2. CONDUIT SIZES ARE BASED ON CURRENT NEC TABLES FOR BOTH EMT AND PVC 40.
3. CONDUIT SIZES FOR OTHER INSULATION CHARACTERISTIC USE THE CURRENT NEC CONDUIT SIZE TABLE IN THE APPENDIX.

BRANCH AND FEEDER CIRCUIT SCHEDULE (COPPER)

AMPS	SYMBOL	CONDUCTORS - 3W	EMT	PVC 40	SYMBOL	CONDUCTORS - 4W	EMT	PVC 40
225	225-3	3#4/0, 1#4G.	2 1/2"C.	2 1/2"C.	225-4	4#4/0, 1#4G.	2-1/2"C.	2-1/2"C.
250	250-3	3#250, 1#4G.	2 1/2"C.	2 1/2"C.	250-4	4#250, 1#4G.	3"C.	3"C.
300	300-3	3#350, 1#4G.	2 1/2"C.	2 1/2"C.	300-4	4#350, 1#4G.	3"C.	3-1/2"C.
350	350-3	3#500, 1#3G.	3 1/2"C.	4"C.	350-4	4#500, 1#3G.	3 1/2"C.	4"C.
400	400-3	3#600, 1#3G.	3 1/2"C.	4"C.	400-4	4#600, 1#3G.	3 1/2"C.	4"C.
450	450-3	2 SETS 3#4/0, 1#2G.	2 1/2"C.	2 1/2"C.	450-4	2 SETS 4#4/0, 1#2G.	2 1/2"C.	2 1/2"C.
500	500-3	2 SETS 3#250, 1#2G.	2 1/2"C.	2 1/2"C.	500-4	2 SETS 4#250, 1#2G.	3"C.	3"C.
600	600-3	2 SETS 3#350, 1#1G.	3"C.	3"C.	600-4	2 SETS 4#350, 1#1G.	3"C.	3 1/2"C.
700	700-3	2 SETS 3#600, 1#1/0G.	3 1/2"C.	4"C.	700-4	2 SETS 4#600, 1#1/0G.	4"C.	4"C.
800	800-3	2 SETS 3#600, 1#1/0G.	3 1/2"C.	4"C.	800-4	2 SETS 4#600, 1#1/0G.	4"C.	4"C.
1000	1000-3	3 SETS 3#400, 1#2/0G.	3"C.	3"C.	1000-4	3 SETS 4#400, 1#2/0G.	3 1/2"C.	3 1/2"C.
1200	1200-3	3 SETS 3#600, 1#3/0G.	3 1/2"C.	4"C.	1200-4	3 SETS 4#600, 1#3/0G.	3 1/2"C.	4"C.
1600	1600-3	4 SETS 3#600, 1#4/0G.	3 1/2"C.	4"C.	1600-4	4 SETS 4#600, 1#4/0G.	3 1/2"C.	4"C.
2000	2000-3	5 SETS 3#600, 1#250G.	3 1/2"C.	4"C.	2000-4	5 SETS 4#600, 1#250G.	3 1/2"C.	4"C.
2500	2500-3	6 SETS 3#600, 1#350G.	3 1/2"C.	4"C.	2500-4	6 SETS 4#600, 1#350G.	3 1/2"C.	4"C.
3000	3000-3	8 SETS 3#500, 1#400G.	3 1/2"C.	4"C.	3000-4	8 SETS 4#500, 1#400G.	3 1/2"C.	4"C.
4000	4000-3	10 SETS 3#600, 1#500G.	3 1/2"C.	4"C.	4000-4	10 SETS 4#600, 1#500G.	3 1/2"C.	4"C.

EMT - ELECTRICAL METALLIC TUBING
PVC 40 - RIGID POLYVINYL CHLORIDE CONDUIT - SCHEDULE 40

NOTES:
1. COPPER CONDUCTOR AMPACITY SIZES BASED ON CURRENT NEC COPPER CONDUCTOR AMPACITY TABLE. CONDUCTORS LESS THAN 110 AMPS UTILIZE 60°C. CONDUCTORS GREATER THAN 110 AMPS UTILIZE 75°C.
2. CONDUIT SIZES ARE BASED ON CURRENT NEC TABLES FOR BOTH EMT AND PVC 40.
3. CONDUIT SIZES FOR OTHER INSULATION CHARACTERISTIC USE THE CURRENT NEC CONDUIT SIZE TABLE IN THE APPENDIX.

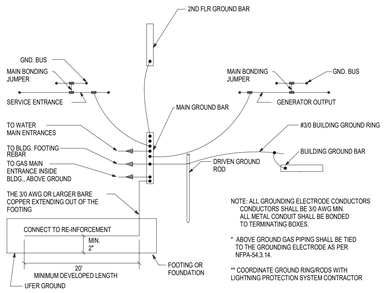
CITY STAMP APPROVAL

(XX) INDICATES KEYED NOTE

KEYED NOTES

1 TO BE EQUIPPED WITH SURGE PROTECTION DEVICE. FEEDER AND BREAKER SIZE PER MANUFACTURES SPECIFICATIONS.

2 PROVIDE BUSSMANN PSI T48R2GBU SERIES POWER MODULE SWITCH OR EQUAL WITH ALL REQUIRED ACCESSORIES AND INTERFACE WITH HEAT DETECTOR IN ELEVATOR SHAFT TO SHUNT POWER ACTIVATION OF HEAT DETECTOR. (VERIFY POWER MODULE SWITCH SIZE WITH ELEVATOR EQUIPMENT SUPPLIER).

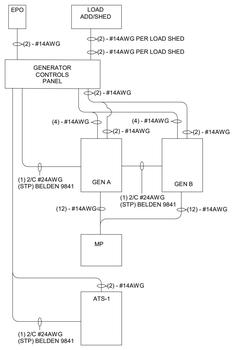


NOTE: ALL GROUNDING ELECTRODE CONDUCTORS CONDUCTORS SHALL BE 3/0 AWG MIN. ALL METAL CONDUIT SHALL BE BONDED TO TERMINATING BOXES.

* ABOVE GROUND GAS PIPING SHALL BE TIED TO THE GROUNDING ELECTRODE AS PER NFPA-54,3.14.

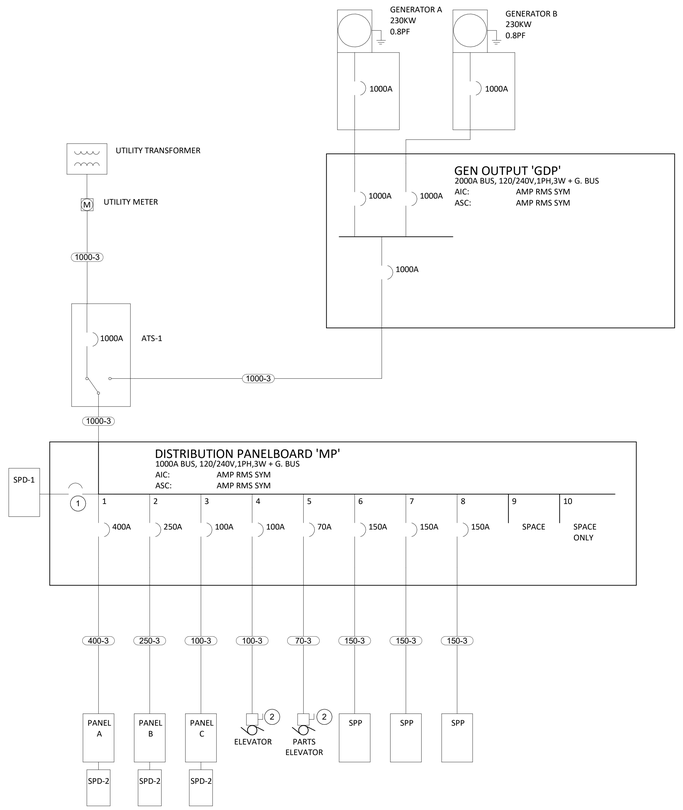
** COORDINATE GROUND RING/RODS WITH LIGHTNING PROTECTION SYSTEM CONTRACTOR

GROUNDING AND BONDING RISER 3
3/32" = 1'-0"



NOTE: COORDINATE FIELD INSTALLED CONTROL WIRING AND CONDUITS WITH THE GENERATOR MANUFACTURER

GENERATOR ITERFACE DIAGRAM 2
3/32" = 1'-0"



Generator Schedule								
Designation	Voltage	KW Rating (Standby)	Fuel (D or NG)	Engine Exhaust Discharge Height	Tier Rating	Enclosure/Sound Level	se Fuel Tank (UL142/UL	Onboard Paralleling (Y/N)
Gen-A	120/240V, 1-Ph, 3W	230	D	XX Feet	2	N-Indoor	UL-142 (300 Gallons)	Yes
Gen-B	120/240V, 1-Ph, 3W	230	D	XX Feet	2	N-Indoor	UL-142 (300 Gallons)	Yes

Automatic Transfer Switch Schedule							
Designation	Voltage	Current Rating	Number of Poles	Open Transition	Close-in & Withstand Rating	Delayed Transition (Dual Operator)	Service Entrance Rated
ATS - 1	120/240V, 1-Phase, 3W	1000-Amp	3 (2-phase, 1 Neutral)	Yes	65,000 Amps	Yes	Yes

Surge Protection Device Schedule				
Designation	Voltage	Surge Current Rating (kA)	Integral Disconnect	EMI Filter
SPD-1	120/240V, 1-Phase, 3W	200	Yes	Yes
SPD-2	120/240V, 1-Phase, 3W	60	No	Yes

ELECTRICAL ONE-LINE 1
N.T.S.

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

CFI Companies
CONSULTING ENGINEERS
2500 Wilcrest Drive, Suite 150 Houston, Texas 77042
Tel: (281) 809-7532 www.cficompanies.com
Texas Reg. No.: F-12902 CFI Project No.: 123093.00

CAMERON PARISH PILOT'S LODGE
DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
0	11.17.2023	INITIAL ISSUE

EA PROJECT NUMBER: 20039
ARCHITECT: #Contact Full Name
LICENSE #: #Contact Custom

STATE OF LOUISIANA
MICHAEL J. WALSH
License No. 30473
PROFESSIONAL ENGINEER
ELECTRICAL ENGINEER

11/17/2023

ELECTRICAL ONE-LINE DIAGRAM

E7.01

Branch Panel: A

LOCATION:
SUPPLY FROM: MP
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

VOLTS: 120/240V
PHASE: 1
WIRES: 3
NEUTRAL BUS: Yes
GROUND BUS: Yes

A.I.C. RATING: 22,000 AMPS SYMMETRICAL
MAINS TYPE: MCB
RATING: 400 A
FEED THROUGH LUGS: No

Notes:

CKT	Wire Size	Circuit Description	Trip	Poles	A		B		Poles	Trip	Circuit Description	Wire Size	CKT
1	2#12, 1#12G, 3/4"C	CEILING FAN PILOTS LOUNGE...	20 A	1	0.6	0.8			1	20 A	CORRIDOR LIGHTING	2#12, 1#12G, 3/4"C	2
3	2#12, 1#12G, 3/4"C	LEVEL 1 LIGHTING	20 A	1			0.71	0.96	1	20 A	* REFRIGERATOR	2#12, 1#12G, 3/4"C	4
5	2#12, 1#12G, 3/4"C	PILOT RM RECEPTACLE	20 A	1	1.02	1.5			1	20 A	EXHAUST FANS	2#12, 1#12G, 3/4"C	6
7	2#12, 1#12G, 3/4"C	WP GFCI QUAD	20 A	1			1.08	1.2	1	20 A	PILOT RM RECEPTACLE	2#12, 1#12G, 3/4"C	8
9	3#10, 1#10G, 3/4"C	* WASHING MACHINE/ DRYER COMBO	30 A	2	1.44	0.36			1	20 A	PILOTS LOUNGE GFCI	2#12, 1#12G, 3/4"C	10
11							1.44	0.36	1	20 A	PILOTS LOUNGE RECEPT	2#12, 1#12G, 3/4"C	12
13	2#12, 1#12G, 3/4"C	LIGHTING	20 A	1	0.6	1.2			1	20 A	PILOT RM RECEPTACLE	2#12, 1#12G, 3/4"C	14
15	2#12, 1#12G, 3/4"C	LIGHTING	20 A	1			0.6	0.72	1	20 A	WP GFCI QUAD	2#12, 1#12G, 3/4"C	16
17	2#12, 1#12G, 3/4"C	WP GFCI QUAD	20 A	1	0.72	1.2			1	20 A	PILOT RM RECEPTACLE	2#12, 1#12G, 3/4"C	18
19	2#12, 1#12G, 3/4"C	LIGHTING	20 A	1			0.9	1	1	20 A	EXHAUST FANS	2#12, 1#12G, 3/4"C	20
21	2#12, 1#12G, 3/4"C	GEN USE RECEPTACLE	20 A	1	0.9	1.2			1	20 A	PILOT RM RECEPTACLE	2#12, 1#12G, 3/4"C	22
23	2#12, 1#12G, 3/4"C	RECEPTACLE	20 A	1			1.2	1.2	1	20 A	PILOT RM RECEPTACLE	2#12, 1#12G, 3/4"C	24
25	2#12, 1#12G, 3/4"C	EXHAUST FANS	20 A	1	1								26
27	2#12, 1#12G, 3/4"C	PILOT RM RECEPTACLE	20 A	1			1.2	1.2	1	20 A	PILOT RM RECEPTACLE	2#12, 1#12G, 3/4"C	28
29	3#10, 1#10G, 3/4"C	PILOT RM RECEPTACLE	20 A	1	1.2	1.44			2	20 A	* WASHING MACHINE/ DRYER COMBO	3#10, 1#10G, 3/4"C	30
31	2#12, 1#12G, 3/4"C	PILOT RM RECEPTACLE	20 A	1			1.2	1.44					32
33	2#12, 1#12G, 3/4"C	PILOT RM RECEPTACLE	20 A	1	1.2	1.44			2	30 A	* WASHING MACHINE/ DRYER COMBO	3#10, 1#10G, 3/4"C	34
35	3#10, 1#10G, 3/4"C	* WASHING MACHINE/ DRYER COMBO	30 A	2			1.44	1.44					36
37					1.44	3.35			2	35 A	HP-1	3#10, 1#10G, 3/4"C	38
39	2#12, 1#12G, 3/4"C	GEN USE GFCI RECEPTACLE	20 A	1			0.18	3.35					40
41	3#12, 1#12G, 3/4"C	FCU-10,11,12,13,14,15,16,17,18,19,20,22,23,24	20 A	2	0.92	3.35			2	35 A	HP-2	3#10, 1#10G, 3/4"C	42
43							0.92	3.35					44
45	3#10, 1#10G, 3/4"C	HP-6	35 A	2	3.35	3.35			2	35 A	HP-3	3#10, 1#10G, 3/4"C	46
47							3.35	3.35					48
49	3#10, 1#10G, 3/4"C	HP-5	35 A	2	3.35	3.35			2	35 A	HP-4	3#10, 1#10G, 3/4"C	50
51							3.35	3.35					52
53		KITCHEN HOOD	20 A	1	0.25								54
55													56
57													58
59													60
61													62
63													64
65													66
67													68
69													70
71													72
73													74
75													76
77													78
79													80
81													82
83													84
		Total Load:			40.5 kVA		40.46 kVA						
		Total Amps:			337.52 A		337.2 A						

Legend:
* DENOTES ON GFCI BREAKER

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Receptacle	31.02 kVA	66.12%	20.51 kVA		
Lighting	3.34 kVA	125.00%	4.17 kVA	**Total Conn. Load:**	80.97 kVA
Cooling	40.14 kVA	100.00%	40.14 kVA	**Total Est. Demand:**	71.39 kVA
Motor	6.19 kVA	103.47%	6.41 kVA	**Total Conn. Current:**	337.36 A
Other	0 kVA	0.00%	0 kVA	**Total Est. Demand Current:**	297.47 A
Lighting - Hotel	0.28 kVA	60.00%	0.17 kVA		

Notes:

Branch Panel: B

LOCATION:
SUPPLY FROM: MP
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

VOLTS: 120/240V
PHASE: 1
WIRES: 3
NEUTRAL BUS: Yes
GROUND BUS: Yes

A.I.C. RATING: 22,000 AMPS SYMMETRICAL
MAINS TYPE: MCB
RATING: 250 A
FEED THROUGH LUGS: No

Notes:

CKT	Wire Size	Circuit Description	Trip	Poles	A		B		Poles	Trip	Circuit Description	Wire Size	CKT
1	2#12, 1#12G, 3/4"C	ELEVATOR RECEPTACLE	20 A	1	0.18	0.45			1	20 A	LIGHTING	2#12, 1#12G, 3/4"C	2
3	2#12, 1#12G, 3/4"C	LEVEL 1 LIGHTING	20 A	1			0.41	0.5	1	30 A	ELEVATOR LIGHTING	2#12, 1#12G, 3/4"C	4
5	2#12, 1#12G, 3/4"C	GEN USE GFCI RECEPTACLE	20 A	1	0.54	0.69			1	20 A	LEVEL 1 LIGHTING	2#12, 1#12G, 3/4"C	6
7	2#12, 1#12G, 3/4"C	LIGHTING	20 A	1			0.65	0.72	1	20 A	DINING GEN USE RECEPTACLE	2#12, 1#12G, 3/4"C	8
9	2#12, 1#12G, 3/4"C	* REFRIGERATOR	20 A	1	0.96	1.02			1	20 A	CREW RM RECEPT	2#12, 1#12G, 3/4"C	10
11	2#12, 1#12G, 3/4"C	LIGHTING	20 A	1			1.02	1.43	1	20 A	LIGHTING	2#12, 1#12G, 3/4"C	12
13	2#12, 1#12G, 3/4"C	WP GFCI QUAD	20 A	1	1.08	1.2			1	20 A	* MICROWAVE	2#12, 1#12G, 3/4"C	14
15	2#12, 1#12G, 3/4"C	EXHAUST FANS	20 A	1			1.5	0.36	1	20 A	GFCI RECEPTACLE	2#12, 1#12G, 3/4"C	16
17	2#12, 1#12G, 3/4"C	FCU-1,2,3,4,5,6,7,8,9	20 A	2	0.89	1.44			2	30 A	* WASHING MACHINE/ DRYER COMBO	3#10, 1#10G, 3/4"C	18
19							0.89	1.44					20
21	2#12, 1#12G, 3/4"C	DINING RM RECEPTACLE	20 A	1	0.36	0.36			1	20 A	AC GFCI RECEPTACLE	2#12, 1#12G, 3/4"C	22
23	2#12, 1#12G, 3/4"C	CREW LOUNGE AC GFCI	20 A	1			0.36	0.54	1	20 A	OFFICE RECEPTACLE	2#12, 1#12G, 3/4"C	24
25	2#12, 1#12G, 3/4"C	CREW RM RECEPT	20 A	1	1.2	0.54			1	20 A	GEN USE RECEPTACLE	2#12, 1#12G, 3/4"C	26
27	2#12, 1#12G, 3/4"C	LIGHTING	20 A	1			0.6	0.9	1	20 A	WP GFCI	2#12, 1#12G, 3/4"C	28
29	2#12, 1#12G, 3/4"C	CREW RM RECEPT	20 A	1	1.2	0.6			1	20 A	CEILING FAN RM 212	2#12, 1#12G, 3/4"C	30
31	3#10, 1#10G, 3/4"C	* WASHING MACHINE/ DRYER COMBO	30 A	2			1.44	0.96	1	20 A	* VENDING MACHINE RECEPT.	2#12, 1#12G, 3/4"C	32
33					1.44	0.9			1	20 A	GEN USE RECEPTACLE	2#12, 1#12G, 3/4"C	34
35	2#12, 1#12G, 3/4"C	PILOT RM RECEPTACLE	20 A	1			1.2	1.2	1	20 A	CREW RM RECEPT	2#12, 1#12G, 3/4"C	36
37	2#12, 1#12G, 3/4"C	* MICROWAVE	20 A	1	1.2	0.96			1	20 A	* VENDING MACHINE RECEPT.	2#12, 1#12G, 3/4"C	38
39	2#12, 1#12G, 3/4"C	CREW RM RECEPT	20 A	1			1.2	1.2	1	20 A	CREW RM RECEPT	2#12, 1#12G, 3/4"C	40
41	2#12, 1#12G, 3/4"C	EXHAUST FANS	20 A	1	1.5	0.96			1	20 A	* REFRIGERATOR	2#12, 1#12G, 3/4"C	42
43	2#12, 1#12G, 3/4"C	COFFEE POT	20 A	1			1.2	1.5	1	20 A	RR EXHAUST FANS	2#12, 1#12G, 3/4"C	44
45	2#12, 1#12G, 3/4"C	CEILING FAN 201	20 A	1	1.8	1.2			1	20 A	PILOT RM RECEPTACLE	2#12, 1#12G, 3/4"C	46
47	2#12, 1#12G, 3/4"C	CEILING FANS DINING RM 203	20 A	1			1.8	1.44	2	30 A	* WASHING MACHINE/ DRYER COMBO	3#10, 1#10G, 3/4"C	48
49	2#12, 1#12G, 3/4"C	CREW RM RECEPT	20 A	1	1.2	1.44							50
51	3#8, 1#10G, 3/4"C	OVEN RECEPT	40 A	2			1.44	1.44	2	30 A	* WASHING MACHINE/ DRYER COMBO	3#10, 1#10G, 3/4"C	52
53					1.44	1.44							54
55	2#12, 1#12G, 3/4"C	* VENDING MACHINE RECEPT.	20 A	1			0.96						56
57		FIRE ALARM PANEL	20 A	1	0.5								58
59	2#12, 1#12G, 3/4"C	WH PILOT LIGHT	20 A	1			0.72						60
61	2#12, 1#12G, 3/4"C	KITCHEN EQUIPMENT	20 A	1	1.2								62
63	2#12, 1#12G, 3/4"C	KITCHEN EQUIPMENT	20 A	1			1.2						64
65	2#12, 1#12G, 3/4"C	KITCHEN EQUIPMENT	20 A	1	0.18								66
67	2#12, 1#12G, 3/4"C	KITCHEN EQUIPMENT	20 A	1			1.2						68
69		LIGHTING	20 A	1	0.07								70
71	2#12, 1#12G, 3/4"C	SUMP PUMP	20 A	1			0.18						72
73													74
75													76
77													78
79													80
81													82
83													84
		Total Load:			30.13 kVA		31.6 kVA						
		Total Amps:			251.11 A		263.37 A						

Legend:
* DENOTES ON GFCI BREAKER

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Receptacle	40.44 kVA	62.36%	25.22 kVA		
Lighting	5.68 kVA	125.00%	7.1 kVA	**Total Conn. Load:**	61.74 kVA
Motor	10.48 kVA	102.05%	10.7 kVA	**Total Est. Demand:**	46.77 kVA
Other	1.22 kVA	100.00%	1.22 kVA	**Total Conn. Current:**	257.24 A
Kitchen Equipment	3.78 kVA	65.00%	2.46 kVA	**Total Est. Demand Current:**	194.88 A
Lighting - Hotel	0.14 kVA	60.00%	0.08 kVA		

Notes:

Switchboard: MP

LOCATION:
SUPPLY FROM: ATS
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

VOLTS: 120/240V
PHASE: 1
WIRES: 3
NEUTRAL BUS: Yes
GROUND BUS: Yes

A.I.C. RATING: 22,000 AMPS SYMMETRICAL
MAINS TYPE: MCB
RATING: 1000 A
FEED THROUGH LUGS:

Notes:

CKT	AMP	POLES	LOAD DESCRIPTION	Load	WIRE SIZE
1	200 A	2	PANEL A	80.97 kVA	REFERENCE ONE-LINE DIAGRAM
2	200 A	2	PANEL B	61.74 kVA	REFERENCE ONE-LINE DIAGRAM
3	100 A	2	PANEL C	15.05 kVA	REFERENCE ONE-LINE DIAGRAM
4	70 A	2	ELEVATOR	13 kVA	REFERENCE ONE-LINE DIAGRAM
5	60 A	2	PARTS LIFT	11 kVA	REFERENCE ONE-LINE DIAGRAM
6	150 A	2	BOAT DOCKING PEDEDTAL	24 kVA	REFERENCE ONE-LINE DIAGRAM
7	150 A	2	BOAT DOCKING PEDEDTAL	24 kVA	REFERENCE ONE-LINE DIAGRAM
8	150 A	2	BOAT DOCKING PEDEDTAL	24 kVA	REFERENCE ONE-LINE DIAGRAM
9	--	1	SPACE	--	--
10	--	1	SPACE	--	--
			Total Conn. Load:	253.75 kVA	
			Total Amps:	1057.3 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Receptacle	73.44 kVA	56.81%	41.72 kVA		
Lighting	14.19 kVA	125.00%	17.74 kVA	**Total Conn. Load:**	253.75 kVA
Cooling	44.48 kVA	100.00%	44.48 kVA	**Total Est. Demand:**	226.84 kVA
Motor	29.3 kVA	109.39%	32.05 kVA	**Total Conn. Current:**	1057.3 A
Elevator	13 kVA	100.00%	13 kVA	**Total Est. Demand Current:**	945.17 A
Other	75.14 kVA	100.00%	75.14 kVA		
Kitchen Equipment	3.78 kVA	65.00%	2.46 kVA		
Lighting - Hotel	0.42 kVA	60.00%	0.25 kVA		

Notes:

Branch Panel: C

LOCATION:
SUPPLY FROM: MP
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

VOLTS: 120/240V
PHASE: 1
WIRES: 3
NEUTRAL BUS: Yes
GROUND BUS: Yes

A.I.C. RATING: 22,000 AMPS SYMMETRICAL
MAINS TYPE: MCB
RATING: 100 A
FEED THROUGH LUGS:

Notes:

CKT	Wire Size	Circuit Description	Trip	Poles	A		B		Poles	Trip	Circuit Description	Wire Size	CKT
1	2#12, 1#12G, 3/4"C	SIGNAGE	20 A	1	0	0.36			1	20 A	AC RECEPTACLE	2#12, 1#12G, 3/4"C	2
3	2#12, 1#12G, 3/4"C	WP GFCI	20 A	1			0.54	1.2	1	20 A	PARKING LOT LIGHTING	2#12, 1#12G, 3/4"C	4
5	2#12, 1#12G, 3/4"C	LIGHTING	20 A	1	0.68	0.54			1	20 A	GEN USE RECEPTACLE	2#12, 1#12G, 3/4"C	6
7	2#12, 1#12G, 3/4"C	POLE LIGHT LIGHTING	20 A	1			1.5						8
9	2#12, 1#12G, 3/4"C	POLE LIGHT LIGHTING	20 A	1	1.8	0.82							10
11	2#6, 1#8G, 1"C	WELDER	50 A	2			0.09	0.82	2	20 A	GATE OPENER	3#12, 1#12G, 3/4"C	12
13					0.09								14
15	2#12, 1#12G, 3/4"C	GENERATOR HEATER	20 A	1			0.96						16
17	3#10, 1#10G, 3/4"C	HP-7	25 A	2	2.17								18
19							2.17						20
21	2#12, 1#12G, 3/4"C	GENERATOR HEATER	20 A	1	0.96								22
23	2#12, 1#12G, 3/4"C	GENERATOR CHARGER	20 A	1			0.18						24
25	2#12, 1#12G, 3/4"C	GENERATOR CHARGER	20 A	1	0.18								26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
		Total Load:			7.6 kVA		7.46 kVA						
		Total Amps:			63.29 A		62.13 A						

Legend:
ALL BRANCH CIRCUITS ARE 2#12, #12G THWN-2 CU, 1/2" MINIMUM UNLESS OTHERWISE NOTED

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Receptacle	1.98 kVA	100.00%	1.98 kVA		
Lighting	5.18 kVA	125.00%	6.48 kVA	**Total Conn. Load:**	15.05 kVA
Cooling	4.34 kVA	100.00%	4.34 kVA	**Total Est. Demand:**	16.75 kVA
Motor	1.63 kVA	125.00%	2.04 kVA	**Total Conn. Current:**	62.71 A
Other	1.92 kVA	100.00%	1.92 kVA	**Total Est. Demand Current:**	69.8 A

Notes:

LUMINAIRE SCHEDULE

Fixture Tag	Manufacturer	Model Number	Voltage	Lamp Type	Lamp Kelvin Temperature	Wattage	Mounting	Fixture Discription
A	HUDSON VALLY	H124101-OB	120 V	LED	4000K	0.01 kVA	WALL	HALLWAY SCONCE WITH T10 LED BULB 8W DIMMABLE E26 BASE TUBULAR LIGHT BULB 4000K DAYLIGHT WHITE 75W EQUIVALENT 800LM T10 BULB FOR RUSTIC PENDANT, WALL SCONES TUBE LIGHT BULBS DESK LAMP VINTAGE EDISON LONG LIGHT BULB.
B	HUDSON VALLY	H420303-OB	120 V	LED	5000K	0.01 kVA	RECESSED	BATHROOM VANITY WITH E12 CANDELABRA LED LIGHT BULBS 60W EQUIVALENT, 5000K 6W 450 LUMENS CHANDELIER LIGHT BULBS, DAYLIGHT WHITE LED, B11 CANDLELIGHT BULBS SMALL BASE, NON-DIMMABLE
C	METALUX	4SNX-48SL-LW-UNV-L840-CD1-U	120 V	LED	4000K	0.03 kVA	RECESSED	STRIP LIGHT
CE	METALUX	4SNX-48SL-LW-UNV-L840-CD1-U	120 V	LED	4000K	0.03 kVA	RECESSED	SAME AS TYPE"C" EQUIPED WITH BATTERY BACKUP FOR EMERGENCY EGRESS LIGHTING. REFERENCE SEQUENCE OF OPERATION FOR OPERATION BY AREA.
D	CSL LIGHTING	ED3-NC-KELVIN-90-50-21-S / ED3-R-F-ST-WT/ED3-MP	120 V	LED	2700K	0.02 kVA	RECESSED	3" DOWNLIGHT, 1200 LUMENS, 50° OPTICS, 2700K, SHOWER RATED AS REQUIRED
D1	LIGMAN	NI-80501-W-W40 Rev_2	120 V	LED	4000K	0.02 kVA	RECESSED	4.5" DIAMETER STAINLESS STEEL DOWNLIGHT WITH COASTAL RATING, 4000K, WIDE DISTRIBUTION
DE	CSL LIGHTING	ED3-NC-KELVIN-90-50-21-S / ED3-R-F-ST-WT/ED3-MP-EM	120 V	LED	2700K	0.02 kVA	RECESSED	SAME AS TYPE"D" EQUIPED WITH BATTERY BACKUP FOR EMERGENCY EGRESS LIGHTING. REFERENCE SEQUENCE OF OPERATION FOR OPERATION BY AREA.
E	HUDSON VALLY	9151-AOB	120 V	LED	4000K	0.01 kVA	WALL	BEDROOM READING WITH 50W EQUIVALENT, DAYLIGHT WHITE, DIMMABLE, 10,000 HOUR LIFETIME, 7 WATT MR16 (GU10 BASE) LED LIGHT BULB .
F	METALUX	4VT3-LD5-4-W-UNV-L8xx-CD1-U	120 V	LED	4000K	0.03 kVA	SURFACE	VAPORTIT LED STRIP LIGHT
FE	METALUX	4VT3-LD5-4-W-UNV-L8xx-CD1-U	120 V	LED	4000K	0.03 kVA	SURFACE	SAME AS TYPE"F" EQUIPED WITH BATTERY BACKUP FOR EMERGENCY EGRESS LIGHTING. REFERENCE SEQUENCE OF OPERATION FOR OPERATION BY AREA.
K	TBD		120 V	LED			SURFACE	CEILING FAN LIGHT KIT WITH LED LAMPS
P1	ARKANSAS LIGHTING	4147P(BRONZE)	120 V	LED	4000K	0.04 kVA	RECESSED	DINING ROOM PENDANT WITH SIX 7 WATT CLEAR LED BULBS
P2	TBD		120 V	LED		0.02 kVA	PENDANT	DECORATIVE PENDANT
S	LIGMAN	UAA-30156-2-WKELVIN-FINISH	120 V	LED	4000K	0.01 kVA	WALL	EXTERIOR WALL SCONCE ATLANTIC 8 MEDIUM SHADE SURFACE
SP1	TBD		120 V	LED		0.3 kVA	POLE	SITE POLE LIGHT
X	SURELITES	EUX7RSD	120 V	LED		0.01 kVA	WALL/ CEILING	EXIT LIGHT WITH RED LETTERS
X2	SURELITES	EUX7RSD	120 V	LED		0.01 kVA	WALL/ CEILING	EXTERIOR EXIT LIGHT WITH RED LETTERS

ELECTRICAL DEVICE SCHEDULE

Type Mark	Assembly Code	Manufacturer	Model	Type Comments	Description
SPP	SHORE POWER PEDESTAL	DOCK	T-SERIES	DOCK MOUNT	SHORE POWER PEDISTAL WITH (2) TWO 60A RECEPTACLES, AND (2) 20A GFCI DUPLEX RECEPTACLES.
TV	TV BOX	LEGRAND	EFSB4	RECTANGULAR	4-GANG WALL BOX – DESIGNED TO FIT AND BE CONCEALED BEHIND 42" OR LARGER FLAT SCREEN DISPLAYS. HAS 4 NEMA SIZE OPENINGS FOR POWER, COMMUNICATION, OR A/V DEVICES. COMPARTMENT 1 DUPLEX PLATE - STANDARD SIZE, SINGLE GANG DEVICE PLATE FOR DUPLEX RECEPTACLE. COMPARTMENT 2 EFB-MAAP - STANDARD SIZE, SINGLE GANG PLATE FOR MAAP DEVICES COMPARTMENT 3 S1 PLATE - STANDARD SIZE, SINGLE GANG DEVICE PLATE FOR SINGLE ROUND RECEPTACLE. COMPARTMENT 4 TRACJACK COMPARTMENT 1 EFB810-2 - BACK KNOCKOUT PLATE FOR 2" TRADE SIZE CONDUIT COMPARTMENT 2 EFB810-3/4-11/4 - BACK KNOCKOUT PLATE, FOR 3/4" AND 1-1/4" TRADE SIZE CONDUIT COMPARTMENT 3 EFB810-2 - BACK KNOCKOUT PLATE FOR 2" TRADE SIZE CONDUIT COMPARTMENT 4 EFB810-3/4-11/4 - BACK KNOCKOUT PLATE, FOR 3/4" AND 1-1/4" TRADE SIZE CONDUIT. COVER: EFSC TRIM FLANGE AND COVER ARE FINISHED IN A DECORATIVE WHITE COLOR, WITH A PAINTABLE SURFACE TO MATCH ANY ROOM DECOR. THE FINISHED DECORATIVE COVER COMES STANDARD WITH THE EFSB2 AND EFSB4 WALL BOXES. REFERENCE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT.

CITY STAMP APPROVAL

MECHANICAL ELECTRICAL COORDINATION SCHEDULE

Load Name	Apparent Load	Panel-Circuit Number	Rating	Number of Poles	Connection Type	Wire Size
FCU-1,2,3,4,5,6,7,8,9	1.78 kVA	B-17,19	20 A	2	Breaker	2#12, 1#12G, 3/4"C
FCU-10,11,12,13,14,15,16,17,18,19,20,22,23,24	1.84 kVA	A-41,43	20 A	2	Breaker	3#12, 1#12G, 3/4"C

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

CFI Companies
CONSULTING ENGINEERS
2500 Wilcrest Drive, Suite 150 — Houston, Texas 77042
Tel: (281) 809-7532 — www.cficompanies.com
Texas Reg. No.: F-12902 — CFI Project No.: 123093.00

CAMERON PARISH PILOT'S LODGE
DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
0	11.17.2023	INITIAL ISSUE

EA PROJECT NUMBER: 20039
ARCHITECT: #Contact Full Name
LICENSE #: #Contact Custom

STATE OF LOUISIANA
MICHAEL J. WALSH
License No. 30473
PROFESSIONAL ENGINEER
IN
ELECTRICAL ENGINEERING

11/17/2023

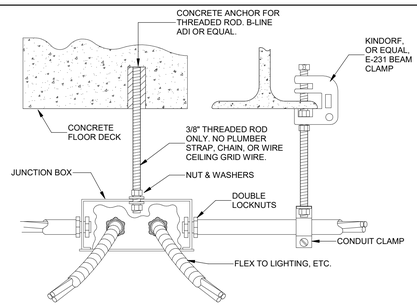
ELECTRICAL SCHEDULES

E8.01

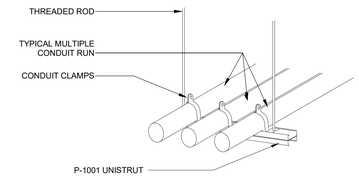
CITY STAMP APPROVAL

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

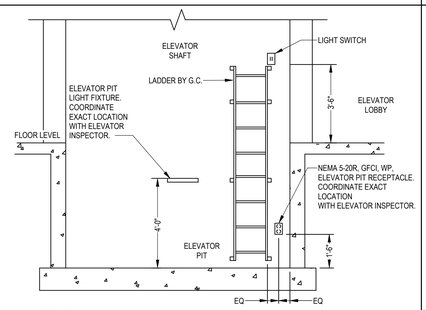
CFI Companies
CONSULTING ENGINEERS
2500 Wilcrest Drive, Suite 150 Houston, Texas 77042
Tel: (281) 809-7532 www.cficompanies.com
Texas Reg. No.: F-12902 CFI Project No.: 123093.00



CONDUIT/BOX MOUNTING DETAIL 12



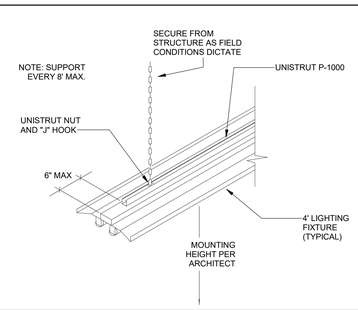
TRAPEZE MOUNTED CONDUIT DETAIL 8



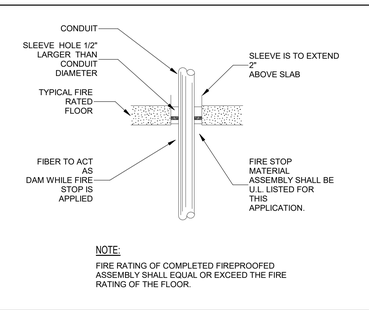
GENERAL ELEVATOR NOTES

1. CAR LIGHTING DISCONNECT: A SEPARATE BRANCH CIRCUIT SHALL SUPPLY THE CAR LIGHTS, RECEPTACLE(S), AUXILIARY LIGHTING POWER SOURCE, AND VENTILATION ON EACH ELEVATOR CAR. PROVIDE A LOCKABLE DISCONNECT FOR EACH ELEVATOR. LOCATE IN THE MACHINE/CONTROL ROOM AND LABEL STATING THE LOCATION OF THE SUPPLY SIDE OVERCURRENT PROTECTION DEVICE IS REQUIRED ON THE DISCONNECT. NEC 620.22(A) & 620.51(I)).
2. PROVIDE ALL FIRE ALARM INITIATING AND SIGNALING DEVICES AND SYSTEM INTERFACES AS REQUIRED BY ALL NATIONAL, STATE AND LOCAL CODES FOR THE MACHINE ROOM. HOISTWAY AND LOBBY AREAS. COORDINATE WITH FIRE ALARM DESIGNER / VENDOR.
3. SHUNT TRIP REQUIRED WHEN SPRINKLERS ARE PRESENT: ELECTRIC CONTRACTOR SHALL PROVIDE A FOR THE ELEVATOR MAIN LINE POWER IN ORDER TO REMOVE POWER FROM ELEVATOR CONTROLS BEFORE ANY SPRINKLER IS ACTIVATED IN THE ELEVATOR MACHINE ROOM AND HOISTWAY OVERHEAD. THE SHALL BE INSTALLED IN THE ELEVATOR MACHINE ROOM OR MACHINE SPACE. ASME A17.1
4. (SIMPLEX) RECEPTACLE FOR SUMP PUMPS (NOT - GFI) ON A DEDICATED CIRCUIT SHALL BE PROVIDED THE ELEVATOR PIT SUMP PUMP. 3/4-INCH CONDUIT IS REQUIRED TO THE SUMP PUMP. SEE PLUMBING DETAILS FOR SUMP PUMP CONTROL AND RECEPTACLE LOCATION.
5. PROVIDE A PIT LIGHT FIXTURE WITH SWITCH AND GUARDS LOCATE SWITCH IN ACCORDANCE WITH LOCAL AHJ REQUIREMENTS AND PIT LIGHT IN COORDINATION WITH ELEVATOR EQUIPMENT INSTALLATION TO PROVIDE THE BEST ILLUMINATION OF THE REQUIRED AREA. MOUNTED FIXTURE.
6. ELEVATOR MACHINE ROOM LIGHT(S) SHALL BE MOUNTED SO AS TO ILLUMINATE THE INSIDES OF THE EQUIPMENT ENCLOSURES FIELD COORDINATE WITH ELEVATOR CONTRACTOR.
7. PROVIDE SURFACE MOUNTED TELEPHONE OUTLET WITH 3/4" CONDUIT WITH PULL STRING AND BUSHED END PER ELEVATOR TO ABOVE ACCESSIBLE CEILING OR STRUCTURE TO MAIN TELEPHONE ROOM. VERIFY EXACT LOCATION OF TELEPHONE WITH THE ELEVATOR SUPPLIER.
8. PROVIDE FIRE ALARM AUDIO/VISUAL DEVICE(S) IN ELEVATOR MACHINE ROOM.
9. FOR PIT AREAS ELECTRICAL INSTALLATIONS SHALL BE OF WEATHERPROOF CONSTRUCTION.
10. IN MACHINE ROOMS AND ELEVATOR PIT AREAS, COORDINATE EXACT LOCATION OF ALL ELECTRICAL DEVICES WITH THE ELEVATOR MANUFACTURER AND ALL APPLICABLE ELEVATOR CODE OFFICIALS PRIOR TO ROUGH IN.

TYPICAL ELEVATORPIT DETAIL 15

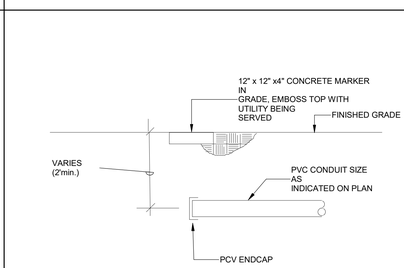


CHAIN HUNG STRIP LIGHT 11

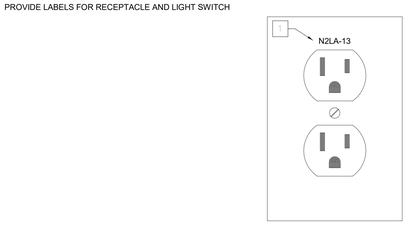


NOTE:
FIRE RATING OF COMPLETED FIREPROOFED ASSEMBLY SHALL EQUAL OR EXCEED THE FIRE RATING OF THE FLOOR.

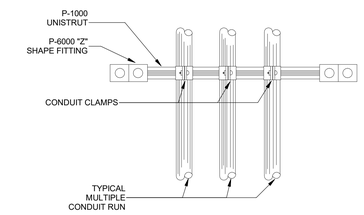
FLOOR PENETRATION DETAIL 7



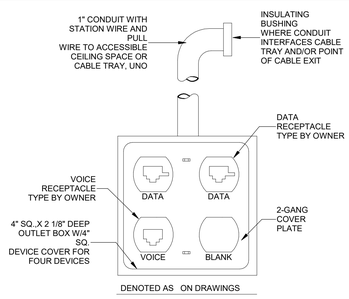
CAP AND MARKER DETAIL 3



RECEPTACLE IDENTIFICATION DETAIL 14

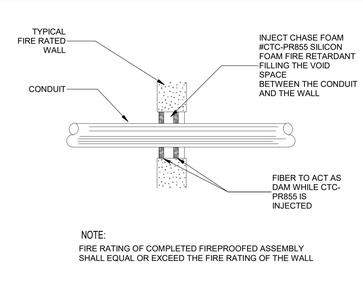


WALL MOUNTED CONDUIT SUPPORT DETAIL 13



DENOTED AS ON DRAWINGS

TYPICAL VOICE/DATA COMBINATION DEVICE 10

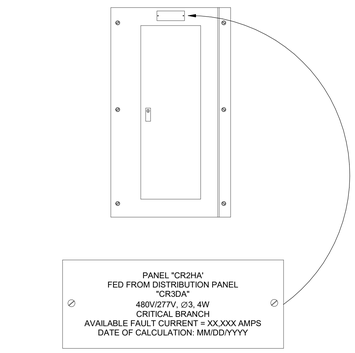


NOTE:
FIRE RATING OF COMPLETED FIREPROOFED ASSEMBLY SHALL EQUAL OR EXCEED THE FIRE RATING OF THE WALL

FIRE WALL PENETRATION DETAIL 6

NOTE:

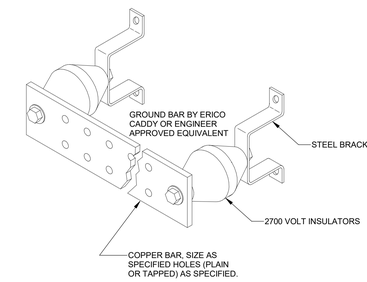
ALL PANELBOARDS IN THIS PROJECT SHALL BE IDENTIFIED BY THE PANEL NAME, SYSTEM. RE: SPECIFCIATIONS FOR COLORS AND ADDITIONAL INFORMATION.



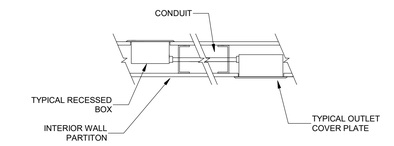
PROVIDE AVAILABLE FAULT CURRENT LABELING PER CITY OF HOUSTON AS FOLLOWS:

A PERMANENTLY AFFIXED LABEL SHALL BE APPLIED WITH THE AVAILABLE FAULT CURRENT AT THE TIME OF INSTALLATION AND CALCULATION. THE LABEL SHALL BE 2"x3" IN SIZE AND SHALL BE BLUE LETTERING ON A CONTRASTING BACKGROUND. THIS LABEL SHALL ALSO INCLUDE THE DATE OF THE CALCULATION.

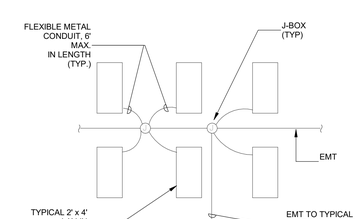
TYPICAL PANELBOARD INDENTIFICATION 9



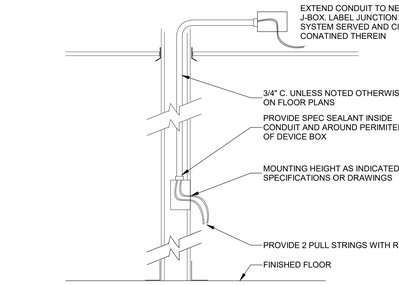
ELECTRICAL GROUND BUS BAR 5



BACK TO BACK OUTLET DETAIL 2



CONDUIT/J-BOX DETAIL 4



BACK BOX AND CONDUIT STUB-UP DETAIL 1

CAMERON PARISH PILOT'S LODGE

DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
0	11.17.2023	INITIAL ISSUE

EA PROJECT NUMBER: 20039
ARCHITECT: #Contact Full Name
LICENSE #: #Contact Custom

STATE OF LOUISIANA
MICHAEL J. WALSH
License No. 30473
PROFESSIONAL ENGINEER
ELECTRICAL ENGINEER

11/17/2023

ELECTRICAL DETAILS

E9.01

MECHANICAL SYMBOL LEGEND
(CONTINUED)

MECHANICAL PIPING SYMBOLS LEGEND

- PIPE UP
- PIPE DOWN
- CAP
- 90° ELBOW
- 45° ELBOW
- 45° ELBOW DOWN (OGEE)
- TEE
- TEE UP
- TEE DOWN
- TOP CONNECTION
- CROSS
- UNION (SCREWED)
- UNION (FLANGED)
- PIPE BREAK
- CONCENTRIC REDUCER
- ECCENTRIC REDUCER
- END SUCTION PUMP
- OR BALL VALVE
- BUTTERFLY VALVE
- ISOLATION VALVE
- GATE VALVE WITH QUICK DISCONNECT
- TWO-WAY VALVE (PNEUMATIC)
- THREE-WAY VALVE (PNEUMATIC)
- BALANCING VALVE
- PIPE ALIGNMENT GUIDE
- PIPE ANCHOR
- FLANGED END
- H HUMIDIFIER
- HEAT TRACING ON PIPE
- DP DIFFERENTIAL PRESSURE SENSOR
- NEW CONSTRUCTION
- EXISTING TO REMAIN
- EXISTING TO BE DEMOLISHED
- CENTER LINE
- Ø DIAMETER
- CHECK VALVE, SWING GATE
- ANGLE PRESSURE RELIEF VALVE
- PRV PRESSURE REDUCING VALVE
- LOCK SHIELD
- QUICK OPENING/CLOSING VALVE
- PRESSURE REGULATOR
- STRAINER W/BLOW DOWN VALVE
- THREE-WAY VALVE (ELECTRIC)
- TWO-WAY VALVE (ELECTRIC)
- FLEXIBLE CONNECTION
- EJ EXPANSION JOINT
- THERMOMETER
- TW THERMOMETER WELL
- TEST PLUG
- PRESSURE GAUGE W/GAUGE COCK
- MANUAL AIR VENT
- AUTOMATIC AIR VENT
- S SOLENOID VALVE
- FS FLOW SWITCH
- TEMPERATURE AND PRESSURE RELIEF VALVE
- STEAM TRAP
- STEAM MOISTURE SEPARATOR
- STEAM CONTROL VALVE
- EP CONTROL, ELECTRIC-PNEUMATIC
- PE CONTROL, PNEUMATIC-ELECTRIC
- RED. PRESS PRINCIPAL BACKFLOW PREVENTER
- CHWR CHILLED WATER RETURN
- CHWS CHILLED WATER SUPPLY
- CWR CONDENSER WATER RETURN
- CWS CONDENSER WATER SUPPLY
- HWR HOT WATER RETURN
- HWS HOT WATER SUPPLY
- CD CONDENSATE DRAIN
- REF REFRIGERANT LINES

MECHANICAL SYMBOL LEGEND

GENERAL DUCTWORK

SINGLE LINE	DOUBLE LINE	(ROUND) SINGLE LINE	(ROUND) DOUBLE LINE	
				EXISTING DUCT DOWN
				EXISTING DUCT UP
				EXHAUST DUCT DOWN
				EXHAUST DUCT UP
				RETURN DUCT DOWN
				RETURN DUCT UP
				SUPPLY DUCT DOWN
				SUPPLY DUCT UP
				EXISTING DUCT BEING DEMOLISHED DOWN
				EXISTING DUCT BEING DEMOLISHED UP

RETURN AIR/TRANSFER AIR BOOT

DUCTWORK FITTINGS AND CONNECTIONS

ELBOWS

- DUCT ELBOWS WITH TURNING VANES
- STANDARD RADIUS ELBOW

SPLITS AND TEES

- RECTANGULAR TEE FITTING
- RADIUS TEE FITTING
- RECTANGULAR SPLIT FITTINGS WITH SPLITTER DAMPER
- RADIUS SPLIT FITTINGS

TAKE-OFFS AND TAPS

- RECTANGULAR DUCT TAP WITH VOLUME DAMPER
- ROUND DUCT TAP WITH VOLUME DAMPER
- STANDARD BRANCH TAKE-OFF WITH VOLUME DAMPER
- SPIN-IN TAP WITH FLEX CONNECTION DOWN TO AIR DIFFUSER
- FLEXIBLE DUCT CONNECTION TO RECTANGULAR DUCT WITH SPIN-IN CONNECTOR.

TRANSITIONS

- CONCENTRIC TRANSITION
- ECCENTRIC TRANSITION
- RECTANGULAR TO ROUND DUCTWORK TRANSITION

SYMBOLS

- AD ACCESS DOOR
- AP ACCESS PANEL
- FLEXIBLE CONNECTION, FLEXIBLE DUCT
- VD VOLUME DAMPER
- M MOTORIZED VOLUME DAMPER
- R RISE IN DUCT ELEVATION
- D DROP IN DUCT ELEVATION
- ST SOUND TRAP
- RELATIVE ROOM PRESSURE

HVAC AIR DIFFUSERS

- SIDEWALL SUPPLY/EXHAUST REGISTER
- CEILING EXHAUST AIR GRILLE
- CEILING RETURN AIR GRILLE
- RETURN AIR GRILLE WITH BOOT
- STANDARD SUPPLY AIR DIFFUSERS (RECTANGULAR AND ROUND) SHADING DENOTES BLANK-OFF
- CONCENTRIC DIFFUSER

ABBREVIATIONS

MECHANICAL EQUIPMENT ABBREVIATIONS

AC	AIR CONDITIONING
ACD	AUTOMATIC CONTROL DAMPER
ACU	AIR CONDITIONING UNIT
ACCU	AIR COOLED CONDENSING UNIT
AF	AIR FOIL
AHU	AIR HANDLING UNIT
ALD	ACOUSTICALLY LINED DUCTWORK
ATD	AIR TERMINAL DEVICE
AVS	AIR VOLUME TRAVERSE STATION
BDD	BACKDRAFT DAMPER
BI	BACKWARD INCLINED
CC	COOLING COIL
CD	CEILING DIFFUSER
CFM	CUBIC FEET PER MINUTE
CG	CEILING GRILLE
DIFF	DIFFUSER
DWDI	DOUBLE WIDTH DOUBLE INLET
DWSI	DOUBLE WIDTH SINGLE INLET
DX	DIRECT EXPANSION
EF	EXHAUST FAN
F	FAN
FC	FORWARD CURVED
FA	FREE AREA
FCU	FAN COIL UNIT
FD	FIRE DAMPER (W/ACCESS DOOR)
FLTR	FILTER
FPI	FINS PER INCH
FPT	FAN POWERED TERMINAL BOX
GE	GENERAL EXHAUST
GIH	GRAVITY INTAKE HOOD
GRH	GRAVITY RELIEF HOOD
H	HUMIDIFIER
LAT	LEAVING AIR TEMPERATURE
LD	LINEAR DIFFUSER
LUVR	LOUVER
LVDR	LOUVERED DOOR
OA	OUTSIDE AIR
OAI	OUTSIDE AIR INTAKE
OBD	OPPOSED BLADE DAMPER
OED	OPEN END DUCT
P	PUMP
PHC	PREHEAT COIL
RA	RETURN AIR
RF	RETURN FAN
RG	RETURN GRILLE
RHC	REHEAT COIL
RLF	RELIEF
RR	RETURN REGISTER
RTU	ROOF TOP UNIT
RTAHU	ROOF TOP AIR HANDLING UNIT
RV	ROOF VENT
SA	SUPPLY AIR
SATT	SOUND ATTENUATOR
SD	SMOKE DAMPER
SEF	SMOKE EXHAUST FAN
SF	SUPPLY FAN
SFD	COMBINATION AUTOMATIC SMOKE/FIRE DAMPER WITH ACCESS DOOR
SG	SUPPLY GRILLE
SM	SHEETMETAL
SP	STATIC PRESSURE
SR	SUPPLY REGISTER
SWDI	SINGLE WIDTH DOUBLE INLET
SWSI	SINGLE WIDTH SINGLE INLET
TE	TOILET EXHAUST
TF	TRANSFER FAN
TG	TRASNFER GRILLE
TR	TRANSFER
TSP	TOTAL STATIC PRESSURE
UC	UNDERCUT DOOR
UNO	UNLESS NOTED OTHERWISE
VAV	VARIABLE AIR VOLUME TERMINAL UNIT
VD	VOLUME DAMPER
VVE	VARIABLE VOLUME SUPPLY AIR TERMINAL BOX
WMS	VARIABLE VOLUME EXHAUST AIR TERMINAL BOX

HVAC ABBREVIATIONS

AD	ACCESS DOOR
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ARCH	ARCHITECTURAL
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS
ASYM	ASYMETRICAL
AUX	AUXILLIARY
BFP	BACK FLOW PREVENTER
BLDG	BUILDING
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BTUH	BRITISH THERMAL UNIT PER HOUR
COND	CONDENSATE
CONT	CONTINUOUS
CFM	CUBIC FEET PER MINUTE
DB	DRY BULB TEMPERATURE
DIA	DIAMETER
(E)	EXISTING
EXH	EXHAUST
EQMT	EQUIPMENT
FF	FINISHED FLOOR
FLR	FLOOR
FT	FEET
FD	FIRE DAMPER (W/ACCESS DOOR)
GALV	GALVANIZED
HP	HORSEPOWER
HVAC	HEATING, VENTILATING & AIR CONDITIONING
ID	INSIDE DIAMETER
IN	INCHES
INSUL	INSULATION
KW	KILOWATT
LBS	POUNDS
MACH	MACHINE
MBH	THOUSAND BRITISH THERMAL UNITS PER HOUR
MECH	MECHANICAL
MEZZ	MEZZANINE
MFR	MANUFACTURER
MTD	MOUNTED
MTR	MOTOR
NTS	NOT TO SCALE
NO	NORMALLY OPEN
NC	NORMALLY CLOSED
O.A.	OUTSIDE AIR
OD	OUTSIDE DIAMETER
ODP	OPEN DRIP PROOF
SD	SECONDARY DRAIN
TYP	TYPICAL
UL	UNDERWRITERS LABORATORY
VFD	VARIABLE FREQUENCY DRIVE
VD	VOLUME DAMPER
WG	WATER GAUGE

HVAC NOTES AND SYMBOLS

- CONNECTION POINT OF NEW TO EXISTING
- INDICATES DISCONNECTION POINT
- RE: I/M-7 REFER TO DETAIL #1 ON DRAWING M-7
- MARK-# EQUIPMENT MARK AND NUMBER. REFER TO EQUIPMENT ABBREVATIONS ON THIS DRAWING
- AIR DEVICE MARK
- X/100 AIR FLOW (CFM)
- 10X10 NOM. DUCT SIZE (INCHES)
- 1 KEY NOTE DESIGNATIONS
- UCD 1" UNDERCUT DOOR 1"
- INDICATES SECTION NUMBER / INDICATES DRAWING NUMBER
- INDICATES DETAIL NUMBER / INDICATES DRAWING NUMBER

HVAC NOTES AND DESIGNATIONS

DAMPERS

- BDD BACKDRAFT DAMPER
- FD FIRE DAMPER AND ACCESS DOOR
- MD MOTORIZED DAMPER
- SD SMOKE DAMPER AND ACCESS DOOR
- FSD FIRE/SMOKE DAMPER AND ACCESS DOOR
- VD MANUAL VOLUME DAMPER
- M MANUAL DAMPER

SENSORS

- H H - HUMIDITY SENSOR OR HUMIDISTAT
- T T - TEMPERATURE SENSOR OR THERMOSTAT
- DSZ DZC - DIGITAL ZONE CONTROLLER
- CO C - CO2 SENSOR
- OSD OUTSIDE SENSING DEVICE
- ZS ZONE SENSOR
- F FIRESTAT
- P PRESSURE MONITOR
- SD SMOKE DETECTOR

CITY STAMP APPROVAL

DRAWING LIST

M0.01	MECHANICAL SYMBOLS, LEGENDS AND GENERAL NOTES
M2.02.1	MECHANICAL DUCTWORK PLAN - LODGE LEVEL 2
M2.02.2	MECHANICAL DUCTWORK PLAN - MAINTENANCE BUILDING LEVEL 2
M8.01	MECHANICAL SCHEDULES
M9.01	MECHANICAL DETAILS

HVAC PROJECT NOTES

1. GENERAL NOTES FROM THIS LIST SHALL APPLY TO THE ENTIRE MECHANICAL DESIGN.
2. ALL WORK SHALL BE PERFORMED IN COMPLIANCE WITH THE LOCAL MECHANICAL CODE, THE LOCAL BUILDING CODES, ADA, OTHER AUTHORITIES HAVING JURISDICTION, AND ENERGY CONSERVATION CODE.
3. COORDINATE WITH STRUCTURE AND OTHER DISCIPLINES.
4. DRAWINGS ARE SCHEMATIC IN NATURE AND SHALL NOT BE SCALED. THE CONTRACTOR IS RESPONSIBLE FOR CREATING SHOP DRAWINGS AND FOR COORDINATING THE EXACT ROUTING OF ALL DUCTWORK AND PIPING WITH EXISTING FIELD CONDITIONS AND WITH OTHER TRADES.
5. PROVIDE VOLUME DAMPER AT SPIN-IN CONNECTION OF DIFFUSER BRANCH INCLUDING THOSE CONNECTING TO THE BOTTOM OF MAIN TRUNK, WHERE VOLUME DAMPER IS ACCESSIBLE PROVIDE YOUNG REGULATORS FOR ALL VOLUME DAMPERS ABOVE INACCESSIBLE CEILINGS UNLESS OTHERWISE NOTED. COORDINATE CEILING MOUNTED ADJUSTING PORTS WITH EXISTING CEILING ELEMENTS, LINE UP FOR VISUAL PURPOSES. PROVIDE PORT LOCATIONS TO ARCHITECT FOR APPROVAL.
6. MAINTAIN MANUFACTURERS RECOMMENDED CLEARANCES ON ALL EQUIPMENT.
7. PROVIDE ACCESS CEILING PANELS TO MOTORIZED DAMPERS, VALVES, AND EQUIPMENT ABOVE INACCESSIBLE CEILINGS. COORDINATE LOCATIONS WITH ARCHITECT.
8. SEAL ALL DUCT AND PIPE PENETRATIONS THRU EXTERIOR WALLS AIRTIGHT WITH WEATHERPROOF SEALANT.
9. FLEX DUCTS SHALL BE 6'-0" MAX. USE RIGID DUCTS IF LENGTH REQUIRED IS MORE THAN 6'-0". FLEX DUCTS SHALL NOT HAVE KINKS THAT WOULD OBSTRUCT AIR FLOW. SIZE FLEX DUCT SUCH THAT PRESSURE DROP IS NOT MORE THAN .08" PER 100'.
10. COORDINATE LOCATIONS OF AIR DEVICES WITH LIGHT FIXTURES AND ARCHITECTURAL CEILING DESIGN.
11. PRIOR TO ORDERING SHEET METAL FIELD VERIFY AND COORDINATE EXACT DUCT ROUTING WITH NEW AND EXISTING STRUCTURAL CONDITIONS.
12. CONTRACTOR SHALL VERIFY CLEARANCE REQUIREMENTS AND ROUTING OF NEW SYSTEMS PRIOR TO FABRICATION AS RISES, DROPS, AND OFFSETS MAY BE NECESSARY BECAUSE OF EXISTING FIELD CONDITIONS.
13. CONTRACTOR SHALL COORDINATE WITH STRUCTURAL CONDITIONS AND PROVIDE OFFSETS AND CLEARANCES AS REQUIRED
14. INSTALL ALL DUCTWORK AS HIGH AS POSSIBLE OR IN FURR DOWNS WHERE SHOWN.
15. COORDINATE FINAL THERMOSTAT AND TEMPERATURE SENSOR LOCATIONS WITH ARCHITECT. DO NOT LOCATE THERMOSTATS OR TEMPERATURE SENSORS BEHIND DOORS OR EQUIPMENT
16. UNLESS SPECIFICALLY INDICATED ALL DUCT TRANSITIONS SHALL BE SMOOTH AND GRADUAL WITH MAXIMUM DIVERGENT ANGLE OF 15°.
17. PROVIDE MINIMUM 6" WIDE FLEXIBLE CONNECTOR TO CONNECT DUCTS TO AIR HANDLING UNITS, FAN COIL UNITS, FAN, ROOF TOP UNITS, AND WHERE INDICATED ON THE DRAWINGS.
18. MECHANICAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL WIRING, CONDUIT STARTERS ETC. REQUIRED TO MAKE THE HVAC CONTROL SYSTEM FULLY OPERATIONAL IN ACCORDANCE TO PLANS AND SPECIFICATIONS. WIRING SHALL INCLUDE 120 V AND LOW VOLTAGE WIRING REQUIRED FOR HVAC CONTROL SYSTEMS. PROVIDE CONTROLS CAPABLE CONTROLLING MULTI-STAGE HEATING. SUBMIT CONTROL WIRING DIAGRAM TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ORDERING OR INSTALLING CONTROL SYSTEM. ALL CONTROL COMPONENTS AND MATERIAL SHALL BE COMPATIBLE WITH THE EQUIPMENT IT SERVES.
19. PROVIDE ALL ACCESSORIES FOR LONG LINE SET REFRIGERANT LINES AS REQUIRED BY MANUFACTURER. THIS INCLUDES CRANKCASE HEATER, TXU, HEADSTART ASSIST AND LIQUID LINE SOLENOID. SIZE REFRIGERANT LINES PER MANUFACTURER'S RECOMMENDATIONS SUCH THAT LONG LINE SET LOSSES ARE MINIMUM. USE LONG RADIUS ELBOWS AND HARD DRAWN COPPER TUBES. COORDINATE WITH MANUFACTURER.
20. ALL DUCT DIMENSIONS SHOWN ON PLANS ARE INTERNAL FREE AREA DIMENSIONS. PROVIDE ACCESS DOORS AND PANELS FOR HVAC ITEMS/COMPONENTS THAT MAY REQUIRED SERVICE ABOVE NON-ACCESSIBLE CEILINGS. COORDINATE ALL PANEL LOCATIONS WITH THE ARCHITECTURAL REFLECTED CEILING PLAN.
21. ALL SUPPLY AIR CEILING DEVICES SHALL BE INSULATED ON TOP OF DEVICES TO PREVENT CONDENSATION. INSULATE DEVICES, WITH 1-1/2" WRAPAROUND INSULATION AND TOTALLY COVER ALL SURFACES, SECURE INSULATION IN PLACE WITH TAPE. APPLY INSULATION PRIOR TO MOUNTING AIR DEVICES.
22. AIRFLOW OFFSETS NOTED ARE INTENDED TO PROVIDE INITIAL VALUES FOR THE TEST AND BALANCE CONTRACTOR. FINAL AIRFLOW OFFSETS ARE TO BE DETERMINED DURNING FUNCTIONAL TESTING AND FINAL VOLUMETRIC FLOW RATES SHALL BE DOCUMENTED ON AS-BUILT DRAWINGS.

LEGEND NOTES

1. THIS SHEET IS A GENERAL LIST OF SYMBOLS AND ABBREVIATIONS AND SHALL BE USED AS A DICTIONARY TO DEFINE ITEMS INDICATED ON DRAWINGS. NOT ALL SYMBOLS OR ABBREVIATIONS ARE NECESSARILY USED ON THIS PROJECT.
2. THE GENERAL NOTES ON THIS SHEET APPLY TO ALL HVAC DRAWINGS ASSOCIATED WITH THIS PROJECT.

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

CFI Companies
CONSULTING ENGINEERS
2500 Willcrest Drive, Suite 150 Houston, Texas 77042
Tel: (281) 809-7532 www.cficompanies.com
Texas Reg. No.: F-12902 CFI Project No.: 123093.00

CAMERON PARISH PILOT'S LODGE
DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
0	11.17.2023	INITIAL ISSUE

EA PROJECT NUMBER: 20039
ARCHITECT: #Contact Full Name
LICENSE #: #Contact Custom

STATE OF LOUISIANA
CODY RANDALL FRENCH
License No. 42057
PROFESSIONAL ENGINEER
11/17/2023

MECHANICAL SYMBOLS, LEGENDS AND GENERAL NOTES

M0.01

INDICATES KEYED NOTE

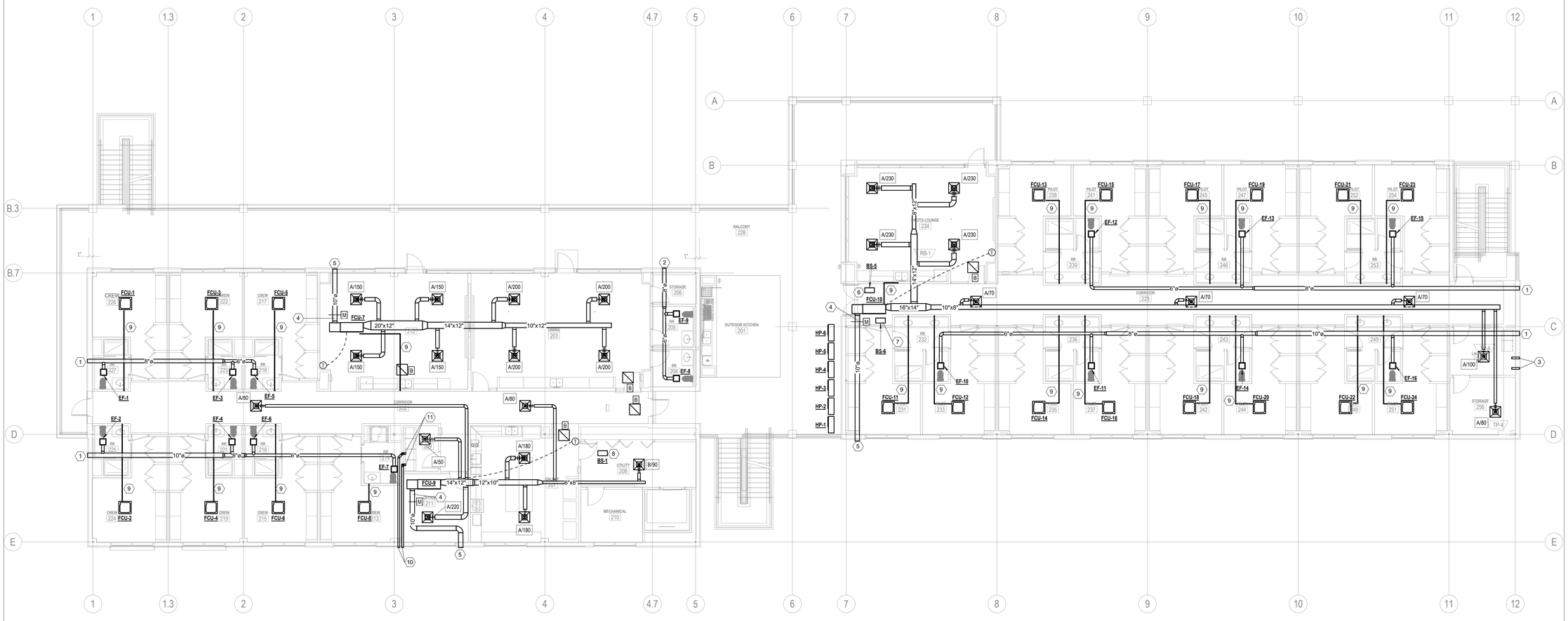
KEYED NOTES

1. 10x10 EXTERIOR EXHAUST LOUVER.
2. 8x8 EXTERIOR EXHAUST LOUVER.
3. 4" DRYER EXHAUST OUT TO DRYER EXHAUST LOUVER.
4. 10" ROUND OUTSIDE AIR DUCT WITH MOTORIZED DAMPER CONNECTED TO RETURN AIR PLENUM.
5. OUTSIDE AIR LOUVER SIZED FOR 1.3 SQ.FT. FREE AREA. REFER TO ARCHITECT FOR EXACT LOCATION.
6. ROUTE REFRIGERANT LINES TO HP-5 CONDENSER.
7. ROUTE REFRIGERANT LINES TO HP -6 CONDENSER.
8. ROUTE REFRIGERANT LINES TO HP-1 CONDENSER.
9. ROUTE FULL SIZE CONDENSATE PIPING DOWN TO SINK TAILPIECE. REFER TO PLUMBING.
10. CONNECT 4" ROUND EXHAUST DUCT TO DRYER AND ROUTE UP IN WALL TO ABOVE CEILING AND TO DRYER EXHAUST LOUVER ON EXTERIOR WALL.
11. PROVIDE DRYER VENT BOX.

CITY STAMP APPROVAL

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

CFI Companies
CONSULTING ENGINEERS
2500 Wilcrest Drive, Suite 150 Houston, Texas 77042
Tel: (281) 809-7532 www.cficompanies.com
Texas Reg. No.: F-12902 CFI Project No.: 123093.00



CAMERON PARISH PILOT'S LODGE

DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
0	11.17.2023	INITIAL ISSUE

EA PROJECT NUMBER: 20039
ARCHITECT: #Contact Full Name
LICENSE #: #Contact Custom

STATE OF LOUISIANA
CODY RANDALL FRENCH
License No. 40857
REGISTERED PROFESSIONAL ENGINEER
MECHANICAL ENGINEERING

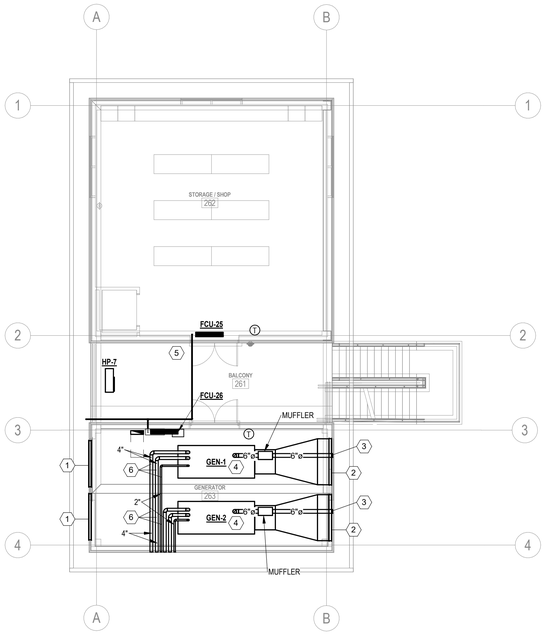
11/17/2023

MECHANICAL DUCTWORK PLAN - LODGE LEVEL 2

M2.02.1

MECHANICAL DUCTWORK PLAN - LODGE LEVEL 2
1/8" = 1'-0"

1



MECHANICAL DUCTWORK PLAN - MAINTENANCE BUILDINGLEVEL 2
1/8" = 1'-0"

1

CITY STAMP APPROVAL

XX INDICATES KEYED NOTE

KEYED NOTES

1 6'x10' LOUVER WITH MOTOR OPERATED DAMPER.
2 6'x8' LOUVER MOUNTED BOTTOM OF FLOOR.
3 REFER TO GENERATOR EXHAUST DETAIL. ROUTE ABOVE EXHAUST LOUVER.
4 TRANSITION AS REQUIRED TO CONNECT TO GENERATOR.
5 ROUTE FULL SIZE CONDENSATE DOWN THROUGH FLOOR TO FRENCH DRAIN.
6 TURN BLACK STEEL PIPE DOWN AND CONNECT TO GENERATOR TANK. FIELD VERIFY CONNECTION LOCATION.

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

CFI Companies
CONSULTING ENGINEERS
2500 Wilcrest Drive, Suite 150 Houston, Texas 77042
Tel: (281) 809-7532 www.cficompanies.com
Texas Reg. No.: F-12902 CFI Project No.: 123093.00

CAMERON PARISH PILOT'S LODGE
DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
0	11.17.2023	INITIAL ISSUE

EA PROJECT NUMBER: 20039
ARCHITECT: #Contact Full Name
LICENSE #: #Contact Custom

STATE OF LOUISIANA
CODY RANDALL FRENCH
License No. 42057
PROFESSIONAL ENGINEER
11/17/2023

MECHANICAL DUCTWORK PLAN - MAINTENANCE BUILDING LEVEL 2
M2.02.2

CITY STAMP APPROVAL

AIR DEVICE SCHEDULE

MARK	TYPE	MANUFACTURER/MODEL	REMARKS
A	ARCHITECTURAL SQUARE PANEL SUPPLY AIR DEVICE	TITUS: OMNI-AA	24"X24" OR 12"X12" FACE AREA. AIR PATTERN SHALL BE 4-WAY THROW UNLESS OTHERWISE NOTED ON DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPE AND CONSTRUCTION DETAILS. FLEX SUPPLYING DIFFUSER TO BE SAME AS NECK SIZE.
B	PERFORATED PANEL RETURN/EXHAUST AIR DEVICE	TITUS: PAR-AA	24"X24" OR 12"X12" FACE AREA WITH 22"X22" AND 10"X10" NECK RESPECTIVELY FOR OPEN GRILLES. PROVIDE PER SCHEDULE FOR DUCTED GRILLES. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPE AND CONSTRUCTION DETAILS. FLEX SUPPLYING GRILLE TO BE SAME AS NECK SIZE.

NOTES:

1. CEILING DIFFUSERS ARE 4-WAY UNLESS INDICATED OTHERWISE IN THE DRAWINGS.
2. PROVIDE BLOW CLIPS TO DIRECT AIR FLOW AWAY FROM WALLS AND GLASS WHEN DEVICES ARE WITHIN 4' OF A WALL.
3. ALL VISIBLE SURFACES OF THE RETURN/EXHAUST PLENUM AND DUCT CONNECTION SHALL BE PAINTED FLAT BLACK.
4. AIR DEVICE FRAME AND STYLE SHALL MATCH CEILING TYPE. COORDINATE WITH ARCHITECTURAL REFLECTED CEILING PLAN.
5. PROVIDE MANUFACTURER'S INSULATED BACKPAN FOR ALL SUPPLY AIR DEVICES.
6. ALL AIR DEVICES SHALL BE ALUMINUM CONSTRUCTION.
7. REFER TO ARCHITECT FOR FINISHES AND COLOR OF DEVICES.

AIR DEVICE CONNECTION SCHEDULE

AIR QUANTITY (CFM)	DEVICE NECK SIZE	BRANCH DUCT SIZE	
		ROUND DUCT	ALTERNATE RECTANGULAR DUCT
CEILING DIFFUSERS			
0-125	6"ø	6"ø	6X6
126-250	8"ø	8"ø	8X8
251-375	10"ø	10"ø	10X10
376-475	12"ø	12"ø	12X10
476-600	14"ø	14"ø	14X14
601-850	16"ø	16"ø	16X16
SIDEWALL GRILLES			
ALL CFM'S		REFER TO DRAWINGS	REFER TO DRAWINGS
SLOT DIFFUSERS			
0-125	6"ø	6"ø	REFER TO DRAWINGS
256-250	8"ø	8"ø	
276-375	10"ø	10"ø	

FAN SCHEDULE

GENERAL				PERFORMANCE DATA							
MARK	LOCATION	FAN TYPE	SERVICE	AIRFLOW CFM	EXTERNAL SP (IN H20 W.G.)	FAN RPM	VOLT/PHASE/HZ	DRIVE TYPE	INTERLOCK	MANUFACTURER/ MODEL	REMARKS
EF-1- 16	CEILING	CEILING	GENERAL EXHAUST	75	0.50	950	120/1/60	DIRECT	LIGHT SWITCH	GREENHECK: SP-B110	1,2

NOTES:

1) PROVIDE WITH BACKDRAFT DAMPER.
2) PROVIDE WITH INTERNAL VARIABLE SPEED DRIVE OR ECM MOTOR.

VARIABLE REFRIGERANT VOLUME - INDOOR UNIT SCHEDULE

TAG	ROOM	DAIKING MODEL	NOMINAL TONNAGE	TYPE	CONNECTED TO:	SUPPLY FAN	COOLING CAPACITY				HEATING CAPACITY		ELECTRICAL			DIMENSIONS	WEIGHT
					CONDENSING UNIT	AIR FLOW CFM	TOTAL BTU/h	SENSIBLE BTU/h	ENTERING AIR		TOTAL BTU/h	ENTERING AIR °Fdb	POWER SUPPLY	MCA	MOP	WxHxD	Net
									°F DB	°F WB			Voltage - Phase			inch	lbs
FCU-1		FXZQ07TAVJU	0.6	Cassette	HP-1	307	6,596	5,132	75.0	63.0	8,527	70.0	208-230V 1ph	0.3	15.0	22.6 x 10.2 x 22.6	35.3
FCU-3		FXZQ07TAVJU	0.6	Cassette	HP-1	307	6,596	5,132	75.0	63.0	8,527	70.0	208-230V 1ph	0.3	15.0	22.6 x 10.2 x 22.6	35.3
FCU-5		FXZQ07TAVJU	0.6	Cassette	HP-1	307	6,596	5,132	75.0	63.0	8,527	70.0	208-230V 1ph	0.3	15.0	22.6 x 10.2 x 22.6	35.3
FCU-2		FXZQ05TAVJU	0.5	Cassette	HP-1	300	5,004	4,265	75.0	63.0	6,483	70.0	208-230V 1ph	0.3	15.0	22.6 x 10.2 x 22.6	35.3
FCU-4		FXZQ05TAVJU	0.5	Cassette	HP-1	300	5,004	4,265	75.0	63.0	6,483	70.0	208-230V 1ph	0.3	15.0	22.6 x 10.2 x 22.6	35.3
FCU-6		FXZQ05TAVJU	0.5	Cassette	HP-1	300	5,004	4,265	75.0	63.0	6,483	70.0	208-230V 1ph	0.3	15.0	22.6 x 10.2 x 22.6	35.3
FCU-8		FXZQ05TAVJU	0.5	Cassette	HP-1	300	5,004	4,265	75.0	63.0	6,483	70.0	208-230V 1ph	0.3	15.0	22.6 x 10.2 x 22.6	35.3
FCU-7		FXMQ48TBVJU	4.0	Horiz Ducted	HP-2	1,377	45,132	31,593	77.1	64.8	54,000	70.0	208-230V 1ph	3.6	15.0	55.1 x 9.6 x 31.5	103.6
FCU-9		FXSQ48TBVJU	4.0	Horiz Ducted	HP-3	1,307	48,044	32,733	79.4	67.1	54,000	70.0	208-230V 1ph	2.8	15.0	55.1 x 9.6 x 31.5	103.6
FCU-10		FXMQ48TBVJU	4.0	Horiz Ducted	HP-4	1,377	47,882	32,993	79.2	66.9	54,000	70.0	208-230V 1ph	3.6	15.0	55.1 x 9.6 x 31.5	103.6
FCU-11		FXZQ05TAVJU	0.5	Cassette	HP-5	300	5,004	4,265	75.0	63.0	6,483	70.0	208-230V 1ph	0.3	15.0	22.6 x 10.2 x 22.6	35.3
FCU-12		FXZQ05TAVJU	0.5	Cassette	HP-5	300	5,004	4,265	75.0	63.0	6,483	70.0	208-230V 1ph	0.3	15.0	22.6 x 10.2 x 22.6	35.3
FCU-14		FXZQ05TAVJU	0.5	Cassette	HP-5	300	5,004	4,265	75.0	63.0	6,483	70.0	208-230V 1ph	0.3	15.0	22.6 x 10.2 x 22.6	35.3
FCU-16		FXZQ05TAVJU	0.5	Cassette	HP-5	300	5,004	4,265	75.0	63.0	6,483	70.0	208-230V 1ph	0.3	15.0	22.6 x 10.2 x 22.6	35.3
FCU-18		FXZQ05TAVJU	0.5	Cassette	HP-5	300	5,004	4,265	75.0	63.0	6,483	70.0	208-230V 1ph	0.3	15.0	22.6 x 10.2 x 22.6	35.3
FCU-20		FXZQ05TAVJU	0.5	Cassette	HP-5	300	5,004	4,265	75.0	63.0	6,483	70.0	208-230V 1ph	0.3	15.0	22.6 x 10.2 x 22.6	35.3
FCU-22		FXZQ05TAVJU	0.5	Cassette	HP-5	300	5,004	4,265	75.0	63.0	6,483	70.0	208-230V 1ph	0.3	15.0	22.6 x 10.2 x 22.6	35.3
FCU-24		FXZQ05TAVJU	0.5	Cassette	HP-5	300	5,004	4,265	75.0	63.0	6,483	70.0	208-230V 1ph	0.3	15.0	22.6 x 10.2 x 22.6	35.3
FCU-13		FXZQ07TAVJU	0.6	Cassette	HP-6	307	6,596	5,132	75.0	63.0	8,527	70.0	208-230V 1ph	0.3	15.0	22.6 x 10.2 x 22.6	35.3
FCU-15		FXZQ07TAVJU	0.6	Cassette	HP-6	307	6,596	5,132	75.0	63.0	8,527	70.0	208-230V 1ph	0.3	15.0	22.6 x 10.2 x 22.6	35.3
FCU-17		FXZQ07TAVJU	0.6	Cassette	HP-6	307	6,596	5,132	75.0	63.0	8,527	70.0	208-230V 1ph	0.3	15.0	22.6 x 10.2 x 22.6	35.3
FCU-19		FXZQ07TAVJU	0.6	Cassette	HP-6	307	6,596	5,132	75.0	63.0	8,527	70.0	208-230V 1ph	0.3	15.0	22.6 x 10.2 x 22.6	35.3
FCU-21		FXZQ07TAVJU	0.6	Cassette	HP-6	307	6,596	5,132	75.0	63.0	8,527	70.0	208-230V 1ph	0.3	15.0	22.6 x 10.2 x 22.6	35.3
FCU-23		FXZQ07TAVJU	0.6	Cassette	HP-6	307	6,596	5,132	75.0	63.0	8,527	70.0	208-230V 1ph	0.3	15.0	22.6 x 10.2 x 22.6	35.3

VARIABLE REFRIGERANT VOLUME - AIR-COOLED CONDENSING UNIT SCHEDULE

TAG	BASIS OF DESIGN (DAIKIN)	NOMINAL TONNAGE	DESCRIPTION	COOLING CAPACITY		HEATING CAPACITY		ELECTRICAL				DIMENSIONS				
				BTU/h	AMBIENT DESIGN (°F DB)	BTU/h	AMBIENT DESIGN (°F DB / WB)	VOLTAGE-PHASE	MCA	MOP	RLA	(WxHxD) (inch)	WEIGHT (lbs)	EER2	SEER2	HSPF2
HP-1	RXTQ48TBVJUA	4	HEAT PUMP	42,495	105.0	45,914	25.0 / 20.0	208-230V 1ph	29.1	35	19	37.0 x 39.0 x 12.6	176.4	10.3	18.6	8.5
HP-2	RXTQ48TBVJUA	4	HEAT PUMP	43,142	105.0	45,327	25.0 / 20.0	208-230V 1ph	29.1	35	19	37.0 x 39.0 x 12.6	176.4	10.3	18.6	8.5
HP-3	RXTQ48TBVJUA	4	HEAT PUMP	44,558	105.0	45,914	25.0 / 20.0	208-230V 1ph	29.1	35	19	37.0 x 39.0 x 12.6	176.4	10.3	18.6	8.5
HP-4	RXTQ48TBVJUA	4	HEAT PUMP	43,631	105.0	45,327	25.0 / 20.0	208-230V 1ph	29.1	35	19	37.0 x 39.0 x 12.6	176.4	10.3	18.6	8.5
HP-5	RXTQ48TBVJUA	4	HEAT PUMP	41,873	105.0	45,042	25.0 / 20.0	208-230V 1ph	29.1	35	19	37.0 x 39.0 x 12.6	176.4	10.3	18.6	8.5
HP-6	RXTQ48TBVJUA	4	HEAT PUMP	41,914	105.0	45,065	25.0 / 20.0	208-230V 1ph	29.1	35	19	37.0 x 39.0 x 12.6	176.4	10.3	18.6	8.5

MULTI-SPLIT FAN COIL UNITS

TAG	ROOM	DAIKING MODEL	NOMINAL TONNAGE	TYPE	CONNECTED TO:	SUPPLY FAN	COOLING CAPACITY				HEATING CAPACITY		ELECTRICAL			WEIGHT
					CONDENSING UNIT	AIR FLOW CFM	TOTAL BTU/h	SENSIBLE BTU/h	ENTERING AIR		TOTAL BTU/h	ENTERING AIR °Fdb	POWER SUPPLY	MCA	MOP	Net
									°F DB	°F WB			Voltage - Phase			lbs
FCU-1		CTK12AXVJU	1	Wall Mounted	HP-1	430	12,000	9,797	80	67	14,000	70.0	208-230V 1ph	Note 1	15.0	20
FCU-2		CTK12AXVJU	1	Wall Mounted	HP-1	430	12,000	9,797	80	67	14,000	70.0	208-230V 1ph	Note 1	15.0	20

NOTES: 1. INDOOR UNIT TAKES POWER FROM OUTDOOR UNIT.

MULTI-SPLIT HEAT PUMP CONDENSING UNIT

TAG	BASIS OF DESIGN (DAIKIN)	NOMINAL TONNAGE	DESCRIPTION	COOLING CAPACITY		HEATING CAPACITY		ELECTRICAL				WEIGHT (lbs)	EFFICIENCY		
				BTU/h	AMBIENT DESIGN (°F DB)	BTU/h	AMBIENT DESIGN (°F DB / WB)	VOLTAGE-PHASE	MCA	MOP	RLA		EER2	SEER2	HSPF2
HP-1	3MXS24WMVJU9	2	HEAT PUMP	24,000	95	24,000	47	208-230V 1ph	18.1	25	15.8	140	11.7	18	9.7

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

CFI Companies
CONSULTING ENGINEERS
2500 Willcrest Drive, Suite 150 — Houston, Texas 77042
Tel: (281) 809-7532 — www.cficompanies.com
Texas Reg. No.: F-12902 — CFI Project No.: 123093.00

CAMERON PARISH PILOT'S LODGE
DAVIS RD
CAMERON , LA 70631

REV	DATE	DESCRIPTION
0	11.17.2023	INITIAL ISSUE

EA PROJECT NUMBER: 20039
ARCHITECT: #Contact Full Name
LICENSE #: #Contact Custom

STATE OF LOUISIANA
CODY RANDALL FRENCH
License No. 42057
PROFESSIONAL ENGINEER
MECHANICAL
11/17/2023

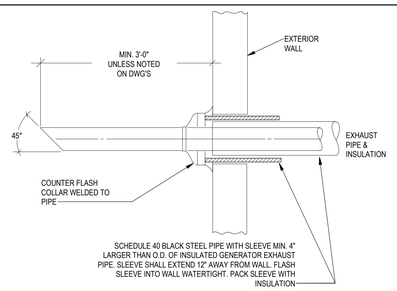
MECHANICAL SCHEDULES

M8.01

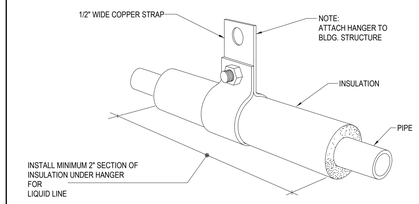
CITY STAMP APPROVAL

ENERGYARCHITECTURE
2777 Allen Parkway, Suite 460
Houston, TX 77019
713.487.3400
www.energyarch.com

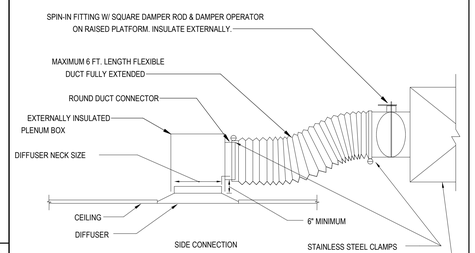
CFI Companies
CONSULTING ENGINEERS
2500 Wilcrest Drive, Suite 150 Houston, Texas 77042
Tel: (281) 809-7532 www.cficompanies.com
Texas Reg. No.: F-12902 CFI Project No.: 123093.00



EMERGENCY GENERATOR EXHAUST THROUGH WALL 12



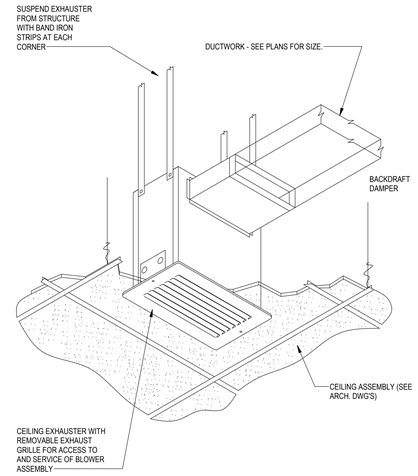
REFRIGERANT PIPING HANGER 9



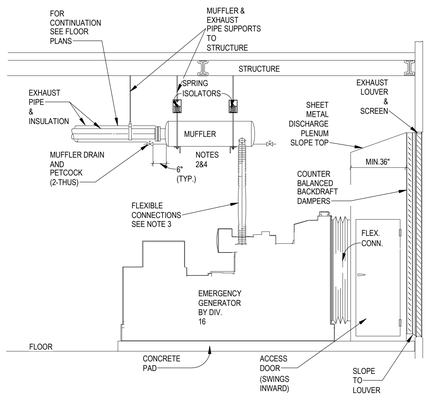
NOTES:

1. IF THERE IS INSUFFICIENT HEADROOM FOR TOP CONNECTION AS DETAILED, USE SIDE CONNECTION.
2. USE RIGID ROUND INSULATED DUCT FOR LENGTHS IN EXCESS OF 6'-0".
3. USE ONLY ON SUPPLY AND RETURN BRANCHES TO CEILING DEVICES. USE RIGID DUCT ON ALL BRANCHES TO EXHAUST DEVICES AND ON EXPOSED APPLICATIONS.
4. BRANCH DUCT SHALL BE SAME SIZE AS DIFFUSER CONNECTION.

FLEXIBLE DUCT CONNECTION DETAIL 5



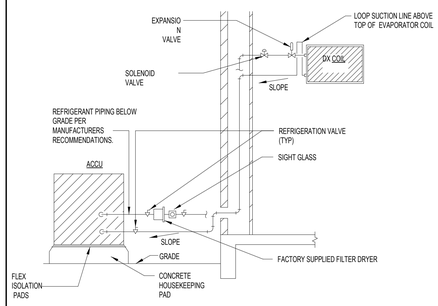
CEILING MOUNTED EXHAUST FAN 2



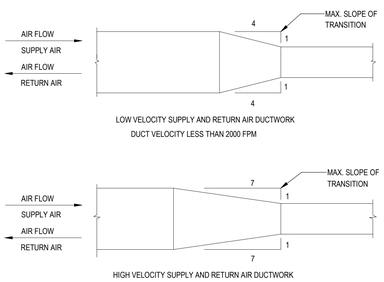
N O T ES:

1. PROVIDE FUEL OIL PROOF FLEXIBLE COUPLING IN EACH FUEL LINE CONNECTION TO EMERGENCY GENERATOR. SEESPECIFICATIONS.
2. MUFFLER BY ENGINE MANUFACTURER. INSTALLED AS PER ENGINE MANUFACTURERS RECOMMENDATIONS.
3. FLEXIBLE EXHAUST CONNECTION(S) FROM EMERGENCY GENERATOR TO MUFFLER SHALL BE BY ENGINE MANUFACTURER.
4. INSULATE MUFFLER AND EXHAUST PIPE. SEE SPECIFICATIONS.

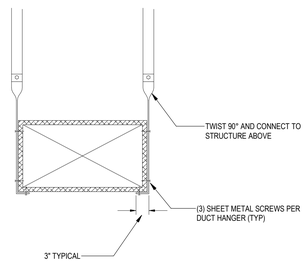
GENERATOR INSTALLATION DETAIL 11



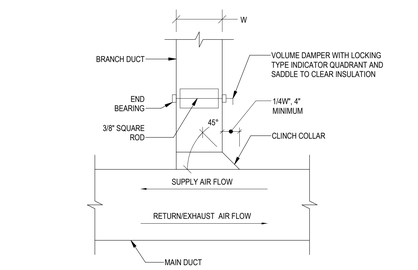
REFRIGERANT PIPING DETAIL CONDENSER BELOW EVAPORATOR 8



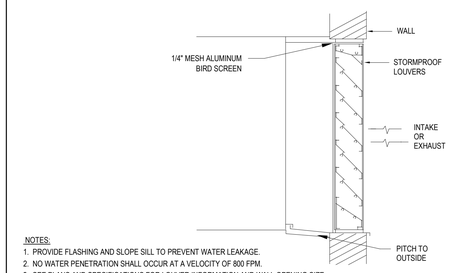
RECTANGULAR DUCT TRANSITION DETAIL 7



DUCT HANGER DETAIL 4



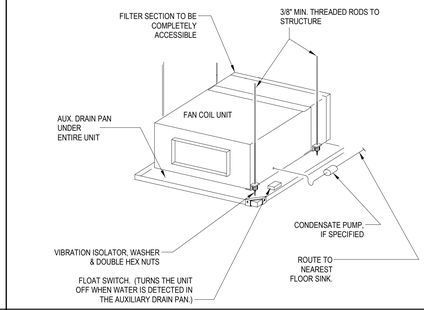
TYPICAL BRANCH DUCT DETAIL 1



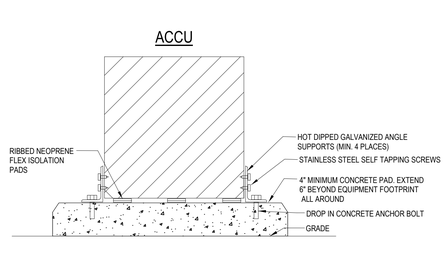
NOTES:

1. PROVIDE FLASHING AND SLOPE SILL TO PREVENT WATER LEAKAGE.
2. NO WATER PENETRATION SHALL OCCUR AT A VELOCITY OF 800 FPM.
3. SEE PLANS AND SPECIFICATIONS FOR LOUVER INFORMATION AND WALL OPENING SIZE.
4. SEE PLANS FOR DUCTWORK CONNECTION IF APPLICABLE.

WALL INTAKE OR EXHAUST LOUVER DETAIL 10



HORIZONTAL SUSPENDED FCU 6



CONDENSING UNIT HOLD DOWN DETAIL 3

CAMERON PARISH PIER SH PILOT'S LODGE
DAVIS RD
CAMERON , LA 70631

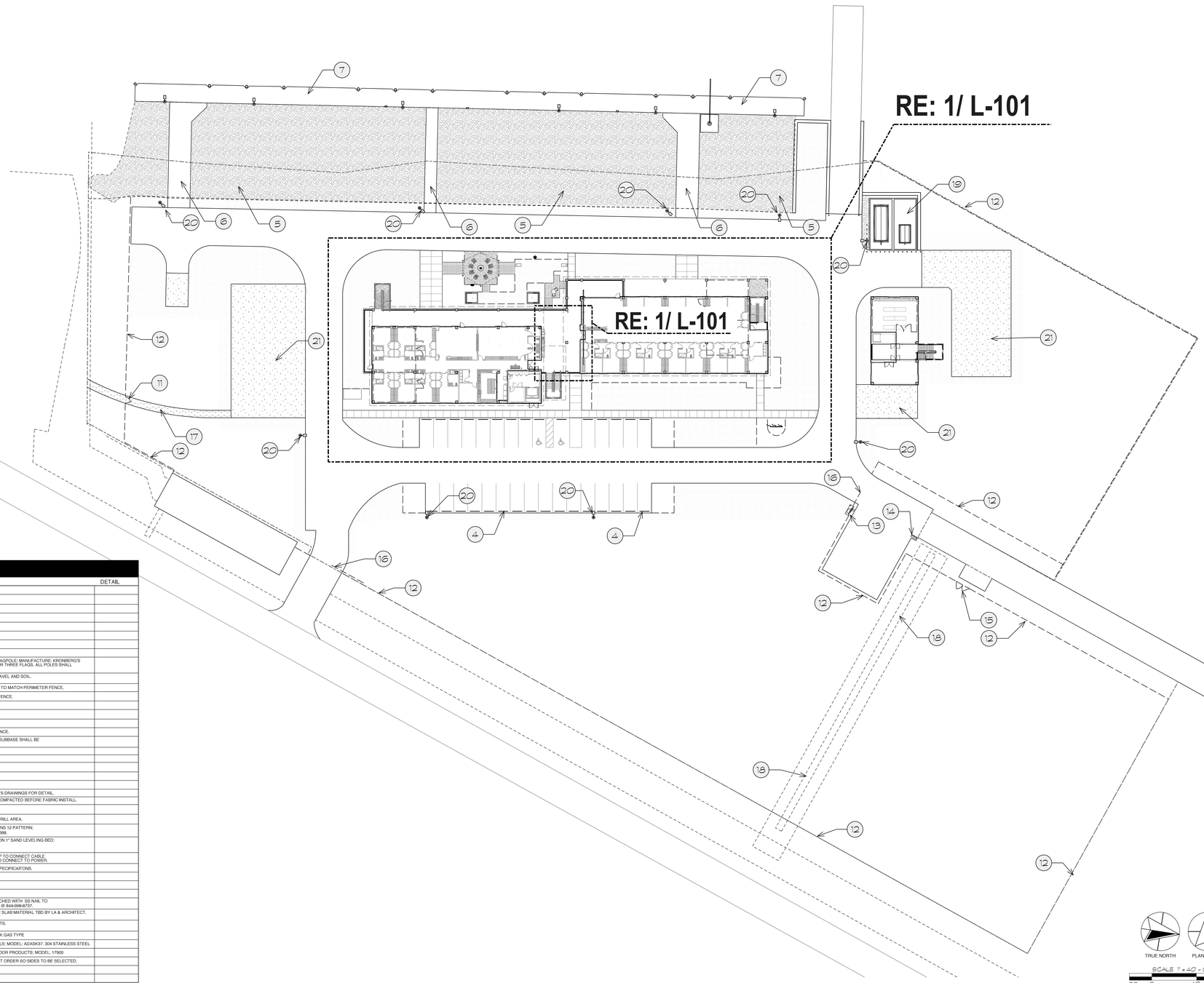
REV	DATE	DESCRIPTION
0	11.17.2023	INITIAL ISSUE

EA PROJECT NUMBER: 20039
ARCHITECT: #Contact Full Name
LICENSE #: #Contact Custom

STATE OF LOUISIANA
CODY RANDALL FRENCH
License No. 43067
PROFESSIONAL ENGINEER
11/17/2023

MECHANICAL DETAILS

M9.01



MATERIAL LEGEND

KEY	DESCRIPTION	DETAIL
1	4.5" THICK CONCRETE SIDEWALK WITH MEDIUM BROOM FINISH TEXURE; COLOR: STANDARD COLOR.	
2	EDGE OF PARKING OR DRIVE. RE: CIVIL DWGS.	
3	ACCESSIBLE PARKING SPACE. RE: CIVIL DRAWINGS FOR DETAIL.	
4	STANDARD CAR WHEEL STOP. RE: CIVIL DRAWINGS FOR DETAIL.	
5	RIP-RAP ROCK FILLED AREA BETWEEN DOCK AND RIVER EDGE. RE: CIVIL DRAWINGS	
6	DOCK PAVEMENT WALKWAY TO BOAT DOCK. RE: ARCHITECTS DRAWINGS FOR DOCK MATERIAL.	
7	PILOT BOAT DOCK STRUCUTRE. SEE ARCHITECT DRAWINGS.	
8	PROPOSED LIFT STATION. RE: ARCHITECT & MEP DRAWINGS	
9	SINGLE MAST NAUTICAL FLAGPOLE WITH YARDARM- 40' x 6" x .188" WALL THICKNESS CONE TAPERED ALUMINUM FLAGPOLE: MANUFACTURE: KRONBERG'S FLAGS, HOUSTON, TEXAS 713-691-9222. BRUSHED SATIN ALUMINUM FINISH. INCLUDE ALL NECESSARY RIGGING FOR THREE FLAGS. ALL POLES SHALL BE RATED FOR WINDLOAD RATING AT PROJECT SITE.	
10	CRUSHED DECOMPOSED GRANITE PAVEMENT FOR FLAGPOLE AREA. PROVIDE GEOTEXTILE FABRIC BETWEEN GRAVEL AND SOIL. SUBBASE SHALL BE COMPACTED BEFORE FABRIC INSTALL. SEE DETAILS FOR INSTALL DETAIL.	
11	10' TALL CHAIN LINK FENCE GATE; PROVIDE GATE CLOSERS HINGES & DOUBLE SIDED KEYPAD ENTRY LOCK; GATE TO MATCH PERIMETER FENCE.	
12	10' TALL CHAIN LINK PERIMETER FENCE WITH BARBED WIRED STRING TOP; RE: ARCHITECTURAL DRAWINGS FOR FENCE.	
13	ENTRANCE GATE OPERATOR. SEE ARCHITECTURAL DRAWINGS FOR EQUIPMENT.	
14	ENTRANCE GATE CARD READER. SEE ARCHITECT DRAWINGS FOR EQUIPMENT.	
15	10' TALL CHAIN LINK MANUAL FENCE GATE; GATE TO MATCH PERIMETER FENCE DESIGN.	
16	10' TALL CHAIN LINK ENTRANCE GATE WITH BARBED WIRED STRING TOP; RE: ARCHITECTURAL DRAWINGS FOR FENCE.	
17	DECOMPOSED GRAVEL PATH TO PERIMETER FENCE. PROVIDE GEOTEXTILE FABRIC BETWEEN GRAVEL AND SOIL.SUBBASE SHALL BE COMPACTED BEFORE FABRIC INSTALL.	
18	DRAINAGE DITCH. SEE CIVIL DRAWINGS.	
19	FUEL TANK & CONTAINMENT YARD. SEE CIVIL DRAWINGS.	
20	SITE LIGHT POLE & FIXTURE ON CONCRETE BASE; SEE MEP FOR FIXTURE AND HEIGHT.	
21	GRAVEL PAVEMENT STORAGE YARD. SEE CIVIL DRAWINGS	
22	CHAIN LINK FENCE STORAGE ENCLOSURE YARD WITH DOUBLE GATES. SEE ARCHITECTS DRAWINGS FOR FENCE.	
23	HORIZONTAL SCREEN FENCE PANELS; WOOD HORIZONTAL BOARDS WITH STEEL POST COLUNMS. SEE ARCHITECTS DRAWINGS FOR DETAIL.	
24	BULL ROCK GRAVEL BED AREA. PROVIDE GEOTEXTILE FABRIC BETWEEN GRAVEL AND SOIL. SUBBASE SHALL BE COMPACTED BEFORE FABRIC INSTALL.	
25	LANDSCAPE BED AREA. SEE LANDSCAPE DRAWINGS FOR PLANTING.	
26	36" DOUBLE DUAL-LEVEL GRILL STATION BY DUMOR.; MODEL: 24-00; EMBED GRILL PER MANUFACTURE DETAIL IN GRILL AREA.	
27	COURTYARD PAVER FIELD - MODULINE COLORGARD CONCRETE UNIT PAVER BAND BY BELGARD. PATTERN: ORIGINS 12 PATTERN; SIZE: 6"X 12" & 12"X12" & 12"X18"; TEXTURE: SLATE; COLOR: CRAB ORCHARD. CONTACT AVERY TERRY @ 832-279-9388.	
28	PAVER FIELD - MELVILLE PLANK - SMALL (3 PC) CONCRETE UNIT PAVER - BY BELGARD. PATTERN: RUNNING BOND ON 1" SAND LEVELING BED; TEXTURE: TO BE SMOOTH; COLOR: ????? CONTACT AVERY TERRY @ 832-279-9388.	
29	5' STRAIGHT FESTOON LIGHTING STEEL POLE. WELD CLOSETOP OF POLE AND PROVIDE EYEBOLT 4" FROM AT TOP TO CONNECT CABLE TO POLE. VERIFY ON SCHEDULE POLE HEIGHT BEFORE ORDERING. PROVIDE ACCESS DOOR AT TOP & BOTTOM TO CONNECT TO POWER.	
30	STRING LIGHTING BY PRIMUS LIGHTING CONNECTED TO STEEL POLES ON BOTH SIDES. SEE MEP FOR LIGHTING SPECIFICAITONS.	
31	6 FT CAST IRON SUGAR KETTLE FIRE PIT; COLOR: PAINTED BLACK; CONTACT BRIAN'S FURNITURE @ 225-346-6896.	
32	19FT ORNAMENTAL PEDESTRIAN LIGHT IN COURTYARD AREA.; MANUFACTURE: ??? MODEL: ????	
33	HORSESHOE PIT W/ BACKBOARD, 6" SQ TIMBER BOARDS PIT BOUNDARY AND STACK BACKBOARD, SEE DETAIL	
34	ARTIFICIAL TURF GRASS IN COURTYARD AREA; INSTALL ON GRAVEL SUB-BASE SLOPE AND GRADE SMOOTH. ATTACHED WITH SS NAIL TO BENDER BOARD AROUND PERIMETER; MANUFACTURER: GO GREEN TURF; MODEL: AQUAMAXX #3; CONTACT: KEN @ 844-668-8737.	
35	OUTDOOR GRILLING STATION. SOLID HDPE CABINET BY WERE VER CABINETS W/ GRANITE COUNTER TOP. GRANITE SLAB MATERIAL TBD BY LA & ARCHITECT. CONTACT WERE VER CABINETS @ #13-626-5434 REFENCE # VGPN-0223.	
36	4-BURNER ANGUS 30" STAINLESS STEEL BUILT- IN GRILL W/ INFRARED BACK BURNER BY BULL OUTDOOR PRODUCTS. PROVIDE INSULATED JACKET FOR 30 INCH GRILL # 47017.	
37	BULL BUILT-IN GAS DOUBLE SIDE BURNER W/ STAINLESS STEEL LID BY BULL OUTDOOR PRODUCTS; MODEL: CHECK GAS TYPE	
38	304 STAINLESS STEEL 37-INCH ADA COMPLIANT DOUBLE SINK W/ COVER & HOT/COLD FAUCET BY SUNSTONE GRILLS; MODEL: ADASK37. 304 STAINLESS STEEL	
39	BULL 24- INCH 6.6 Cu Ft LEFT HINGE OUTDOOR RATED SINGLE TAP BEER DISPENSER / KEGERATOR BY BULL OUTDOOR PRODUCTS: MODEL: 17900	
40	REFIGERATOR CABINET AREA WITH FILLER SIDES AS NEEDED. OWNER TO SELECT REFIGERATOR BEFORE CABINET ORDER SO SIDES TO BE SELECTED.	
41	PULL OUT TRASH CABINET (FULL HEIGHT) BY WEREVER CABINETS	
42	VECHICULAR CONCRETE SIDEWALK PAVEMENT. RE: CIVIL DRAWINGS	

1 OVERALL SITE MATERIAL PLAN
SCALE: 1" = 40'-0"

TRUE NORTH PLAN NORTH

SCALE 1" = 40'-0"
20 0 40 80

red oak
DESIGN GROUP

LANDSCAPE ARCHITECTURE
SITE PLANNING
CONSULTING

WWW.REDOAKDESIGNGROUP.COM

2415 Town Center Drive, SUITE 150
Sugar Land, Tx 77478
713.936.2001

THIS DRAWING IS THE PROPERTY OF RED OAK DESIGN GROUP, LLC AND SHALL NOT BE COPIED OR REPRODUCED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF RED OAK DESIGN GROUP, LLC.

IF USED WHOLLY OR PARTIALLY ON WORK OTHER THAN THAT FURNISHED BY RED OAK DESIGN GROUP, LLC, PROCEEDS IS RESERVED TO PAID IN CHARGE FOR DESIGNS AS COSTS.

WHILE EVERY ATTEMPT HAS BEEN TAKEN IN THE PREPARATION OF THESE PLANS TO AVOID MISTAKES, OMISSIONS AND CONFLICTS, THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL CONDITIONS ON SUBJECT PLAT CHECK ALL DIMENSIONS AND CONTACT ENGINEER WITH DISCREPANCIES TO RED OAK DESIGN GROUP, LLC

NO.	DATE:	REVISION:
1	11/17/23	INITIAL ISSUE

STATE OF LOUISIANA
KENNETH PRIESMEYER
REG. NO. 5456
LICENSED LANDSCAPE ARCHITECT
11-17-2023

PROJECT TEAM:
ARCHITECTS / (SEAHORSE)
ENERGY ARCHITECTURE

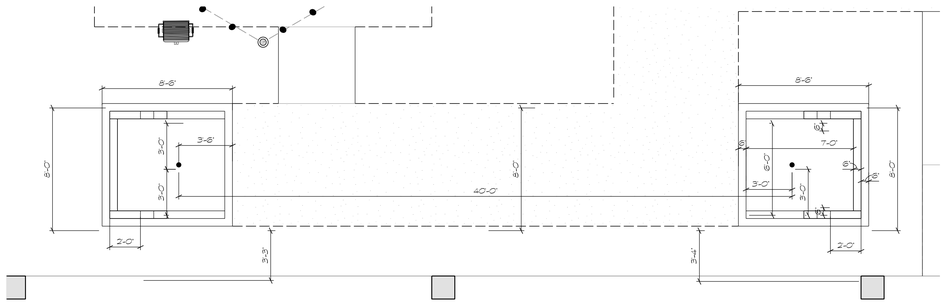
SCALE: SEE PLAN
DRAWN BY:
CHK'D BY:
DATE:
PROJECT NO:

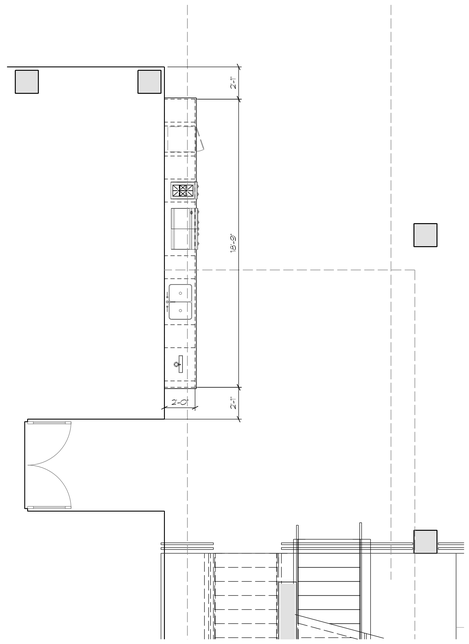
CLIENT:
LAKE CHARLES PILOTS
DAVIS RD.
CAMERON, LA 70631

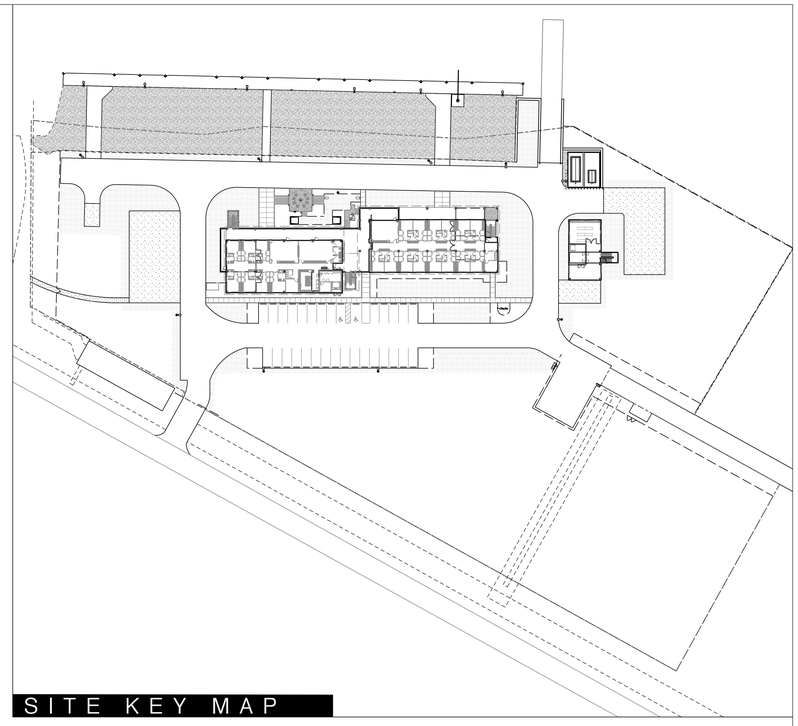
PROJECT NAME:
CAMERON PARISH
LAKE CHARLES
LODGE AND DOCK FACILITY

SHEET TITLE:
MATERIAL PLAN

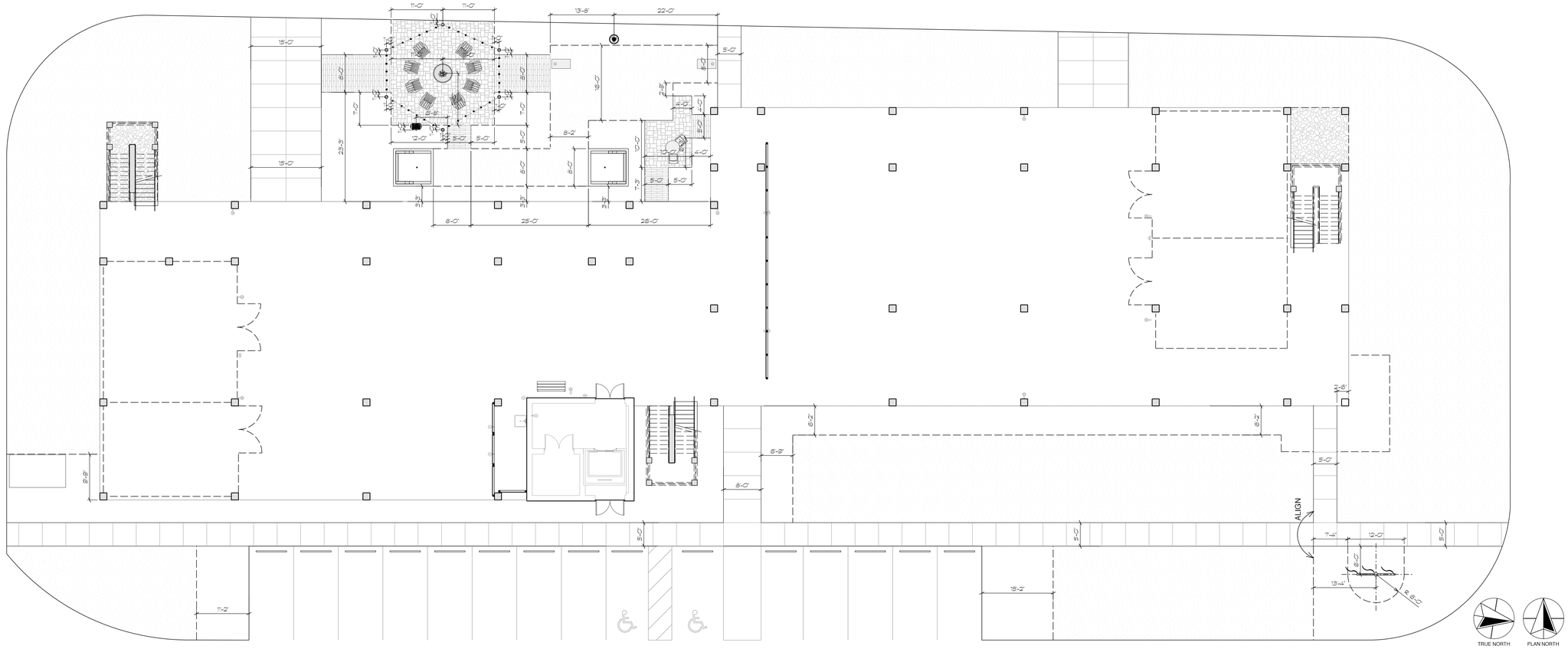
SHEET NUMBER:
L1.00







SITE KEY MAP



red oak
DESIGN GROUP

LANDSCAPE ARCHITECTURE
SITE PLANNING
CONSULTING

WWW.REDOAKDESIGNGROUP.COM

2415 Town Center Drive, SUITE 150
Sugar Land, Tx 77478
713.936.2001

THIS DRAWING AND THE PROPERTY OF RED OAK DESIGN GROUP, LLC. IT SHALL NOT BE COPIED OR REPRODUCED IN ANY FORM AND NOT USED ON ANY PROJECT OTHER THAN THAT FOR WHICH IT WAS PREPARED BY RED OAK DESIGN GROUP, LLC. IF USED WITHOUT OUR PERMISSION, OUR NORMAL OTHER THAN THAT PUBLISHED BY RED OAK DESIGN GROUP, LLC., WILL BE CAUSE FOR LEGAL ACTION. RELEASED FOR PERMITTING, CONSTRUCTION, BIDDING OR AS RECORD AS NOTED.

NO.	DATE:	REVISION:
1	11/17/23	INITIAL ISSUE

STATE OF LOUISIANA
KENNETH PRIESMEYER
1301 NO. 7084
LICENSED LANDSCAPE ARCHITECT
11/17/2023

PROJECT TEAM:
ARCHITECTS / ENGINEERS
ENERGY ARCHITECTURE

SCALE: SEE PLAN
DRAWN BY:
CHK'D BY:
DATE:
PROJECT NO:

CLIENT:
LAKE CHARLES PILOTS
DAVIS RD.
CAMERON, LA 70631

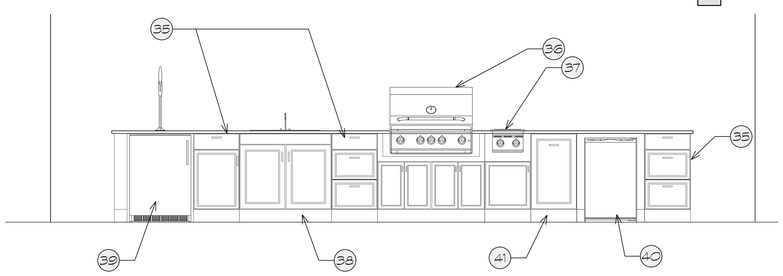
PROJECT NAME:
CAMERON PARISH
LAKE CHARLES
LODGE AND DOCK FACILITY

SHEET TITLE:
LAYOUT PLAN

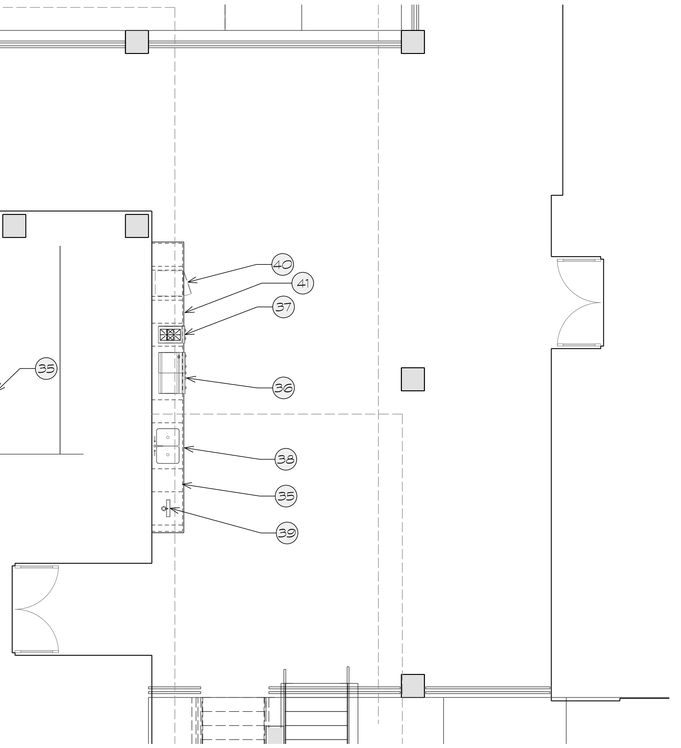
SHEET NUMBER:
L1.01

MATERIAL LEGEND

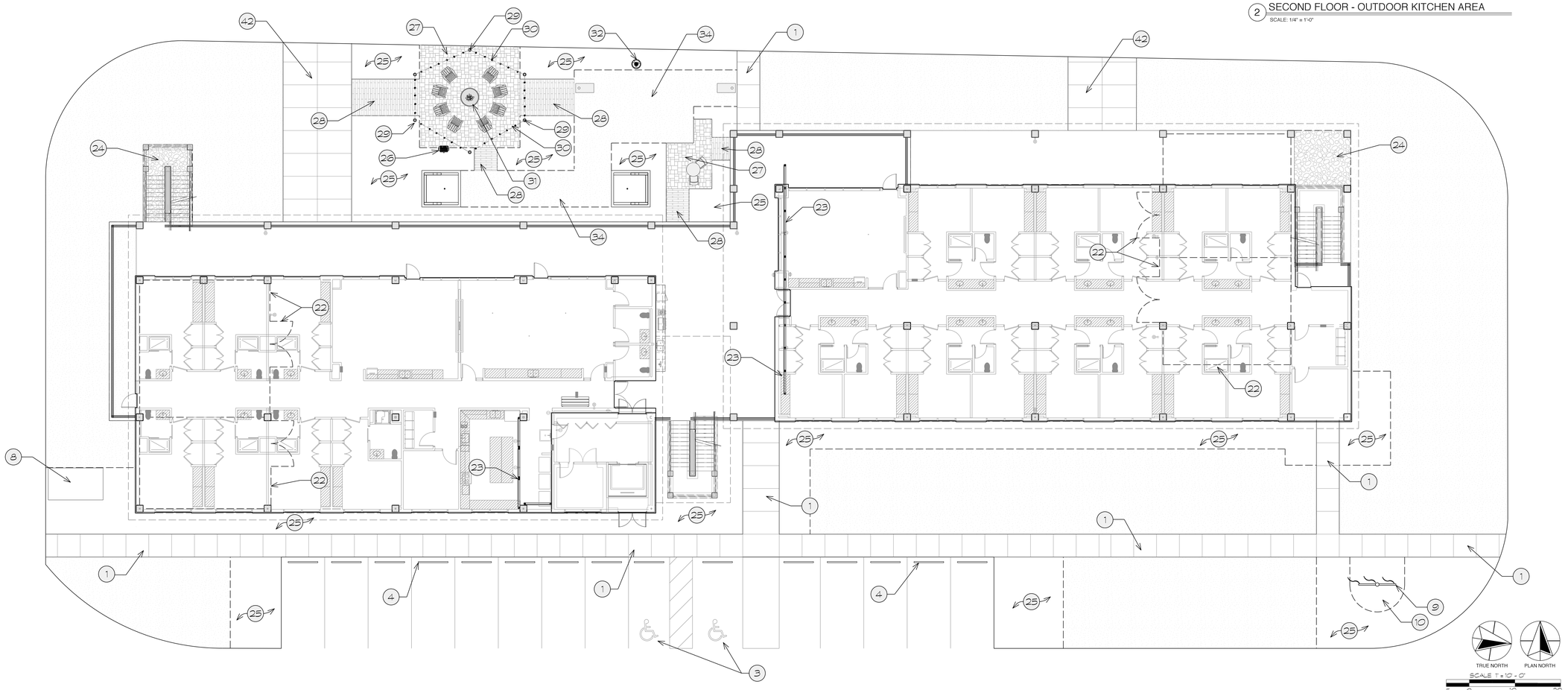
KEY	DESCRIPTION	DETAIL
1	4.5" THICK CONCRETE SIDEWALK WITH MEDIUM BROOM FINISH TEXURE; COLOR: STANDARD COLOR.	
2	EDGE OF PARKING OR DRIVE. RE: CIVIL DWGS.	
3	ACCESSIBLE PARKING SPACE. RE: CIVIL DRAWINGS FOR DETAIL.	
4	STANDARD CAR WHEEL STOP. RE: CIVIL DRAWINGS FOR DETAIL.	
5	RIP-RAP ROCK FILLED AREA BETWEEN DOCK AND RIVER EDGE. RE: CIVIL DRAWINGS	
6	DOCK PAVEMENT WALKWAY TO BOAT DOCK. RE: ARCHITECTS DRAWINGS FOR DOCK MATERIAL.	
7	PILOT BOAT DOCK STRUCUTRE. SEE ARCHITECT DRAWINGS.	
8	PROPOSED LIFT STATION. RE: ARCHITECT & MEP DRAWINGS	
9	SINGLE MAST NAUTICAL FLAGPOLE WITH YARDARM: 40' x 6" x .188" WALL THICKNESS CONE TAPERED ALUMINUM FLAGPOLE; MANUFACTURE: KRONBERG'S FLAGS, HOUSTON, TEXAS 713-681-9999; BRUSHED SATIN ALUMINUM FINISH. INCLUDE ALL NECESSARY RIGGING FOR THREE FLAGS. ALL POLES SHALL BE RATED FOR WINDLOAD RATING AT PROJECT SITE.	
10	CRUSHED DECOMPOSED GRANITE PAVEMENT FOR FLAGPOLE AREA. PROVIDE GEOTEXTILE FABRIC BETWEEN GRAVEL AND SOIL. SUBBASE SHALL BE COMPACTED BEFORE FABRIC INSTALL. SEE DETAILS FOR INSTALL DETAIL.	
11	10' TALL CHAIN LINK FENCE GATE; PROVIDE GATE CLOSERS HINGES & DOUBLE SIDED KEYPAD ENTRY LOCK; GATE TO MATCH PERIMETER FENCE.	
12	10' TALL CHAIN LINK PERIMETER FENCE WITH BARBED WIRED STRING TOP. RE: ARCHITECTURAL DRAWINGS FOR FENCE.	
13	ENTRANCE GATE OPERATOR. SEE ARCHITECTURAL DRAWINGS FOR EQUIPMENT.	
14	ENTRANCE GATE CARD READER. SEE ARCHITECT DRAWINGS FOR EQUIPMENT.	
15	10' TALL CHAIN LINK MANUAL FENCE GATE; GATE TO MATCH PERIMETER FENCE DESIGN.	
16	10' TALL CHAIN LINK ENTRANCE GATE WITH BARBED WIRED STRING TOP. RE: ARCHITECTURAL DRAWINGS FOR FENCE.	
17	DECOMPOSED GRAVEL PATH TO PERIMETER FENCE. PROVIDE GEOTEXTILE FABRIC BETWEEN GRAVEL AND SOIL.SUBBASE SHALL BE COMPACTED BEFORE FABRIC INSTALL.	
18	DRAINAGE DITCH. SEE CIVIL DRAWINGS.	
19	FUEL TANK & CONTAINMENT YARD. SEE CIVIL DRAWINGS.	
20	SITE LIGHT POLE & FIXTURE ON CONCRETE BASE; SEE MEP FOR FIXTURE AND HEIGHT.	
21	GRAVEL PAVEMENT STORAGE YARD. SEE CIVIL DRAWINGS	
22	CHAIN LINK FENCE STORAGE ENCLOSURE YARD WITH DOUBLE GATES. SEE ARCHITECTS DRAWINGS FOR FENCE.	
23	HORIZONTAL SCREEN FENCE PANELS: WOOD HORIZONTAL BOARDS WITH STEEL POST COLUMNS. SEE ARCHITECTS DRAWINGS FOR DETAIL.	
24	BULL ROCK GRAVEL BED AREA. PROVIDE GEOTEXTILE FABRIC BETWEEN GRAVEL AND SOIL. SUBBASE SHALL BE COMPACTED BEFORE FABRIC INSTALL.	
25	LANDSCAPE BED AREA. SEE LANDSCAPE DRAWINGS FOR PLANTING.	
26	38" DOUBLE DUAL-LEVEL GRILL STATION BY DUMOR.; MODEL: 24-00; EMBED GRILL PER MANUFACTURE DETAIL IN GRILL AREA.	
27	COURTYARD PAVER FIELD - MODULINE COLORGARD CONCRETE UNIT PAVER BAND BY BELGARD. PATTERN: ORIGINS 12 PATTERN; SIZE: 6"X 12" & 12"X12" & 12"X18"; TEXTURE: SLATE; COLOR: CRMB-ORCHARD. CONTACT AVERY TERRY @ 832-279-9388.	
28	PAVER FIELD - MELVILLE PLANK - SMALL (3 PC) CONCRETE UNIT PAVER - BY BELGARD. PATTERN: RUNNING BOND ON 1" SAND LEVELING BED; TEXTURE: TO BE SMOOTH; COLOR: ????? CONTACT AVERY TERRY @ 832-279-9388.	
29	5" STRAIGHT FESTOON LIGHTING STEEL POLE. WELD CLOSETOP OF POLE AND PROVIDE EYEBOLT 4" FROM AT TOP TO CONNECT CABLE TO POLE. VERIFY ON SCHEDULE POLE HEIGHT BEFORE ORDERING. PROVIDE ACCESS DOOR AT TOP & BOTTOM TO CONNECT TO POWER.	
30	STRING LIGHTING BY PRIMUS LIGHTING CONNECTED TO STEEL POLES ON BOTH SIDES. SEE MEP FOR LIGHTING SPECIFICAITONS.	
31	6 FT CAST IRON SUGAR KETTLE FIRE PIT; COLOR: PAINTED BLACK; CONTACT BRIAN'S FURNITURE @ 225-345-0896.	
32	19FT ORNAMENTAL PEDESTRIAN LIGHT IN COURTYARD AREA.; MANUFACTURE: ???; MODEL: ????	
33	HORSESHOE PIT W/ BACKBOARD. 8' SQ TIMBER BOARDS PIT BOUNDARY AND STACK BACKBOARD. SEE DETAIL	
34	ARTIFICAL TURF GRASS IN COURTYARD AREA: INSTALL ON GRAVEL SUB-BASE SLOPE AND GRADE SMOOTH. ATTACHED WITH SS NAIL TO BENDER BOARD AROUND PERIMETER. MANUFACTURER: GO GREEN TURF. MODEL: AQUAMAX #3. CONTACT: KEN @ 844-699-8737.	
35	OUTDOOR GRILLING STATION. SOILD HDPE CABINET BY WEREVER CABINETS W/ GRANITE COUNTER TOP. GRANITE SLAB MATERIAL TBD BY LA & ARCHITECT. CONTACT WEREVER CABINETS @ 813-626-5034 REFENCE # VGPH-2023	
36	4-BURNER ANGUS 30" STAINLESS STEEL BUILT- IN GRILL W/ INFRARED BACK BURNER BY BULL OUTDOOR PRODUCTS. PROVIDE INSULATED JACKET FOR 30 INCH GRILL # 47017.	
37	BULL BUILT-IN GAS DOUBLE SIDE BURNER W/ STAINLESS STEEL LID BY BULL OUTDOOR PRODUCTS: MODEL: CHECK GAS TYPE	
38	304 STAINLESS STEEL 37-INCH ADA COMPLIANT DOUBLE SINK W/ COVER & HOT/COLD FAUCET BY SUNSTONE GRILLS; MODEL: ADASK37. 304 STAINLESS STEEL	
39	BULL 24- INCH 6.6 Cu Ft LEFT HINGE OUTDOOR RATED SINGLE TAP BEER DISPENSER / KEGERATOR BY BULL OUTDOOR PRODUCTS: MODEL: 17900	
40	REFIGERATOR CABINET AREA WITH FILLER SIDES AS NEEDED. OWNER TO SELECT REFIGERATOR BEFORE CABINET ORDER SO SIDES TO BE SELECTED.	
41	PULL OUT TRASH CABINET (FULL HEIGHT) BY WEREVER CABINETS	
42	VECHICULAR CONCRETE SIDEWALK PAVEMENT. RE: CIVIL DRAWINGS	



3 OUTDOOR KITCHEN COUNTER
SCALE: 1/2" = 1'-0"



2 SECOND FLOOR - OUTDOOR KITCHEN AREA
SCALE: 1/4" = 1'-0"



1 BUILDING SITE ISLAND MATERIAL PLAN
SCALE: 1" = 10'-0"

red oak DESIGN GROUP

LANDSCAPE ARCHITECTURE
SITE PLANNING
CONSULTING

WWW.REDOAKDESIGNGROUP.COM

2415 Town Center Drive, SUITE 150
Sugar Land, Tx 77478
713.936.2001

THE DRAWINGS IS THE PROPERTY OF RED OAK DESIGN GROUP, LLC. IT SHALL NOT BE COPIED, OR REPRODUCED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF RED OAK DESIGN GROUP, LLC. IF USED WITHOUT CONSENT, IN WHOLE, OTHER THAN THAT FURNISHED BY RED OAK DESIGN GROUP, LLC, PROPER IS RESERVED TO TAKE ACTIONS NEEDED TO OBTAIN RECOMPENSE.

WHILE EVERY ATTEMPT HAS BEEN MADE TO EXPOSE THE PRESENCE OF THE PLAN TO AVOID METHODS OF CONSTRUCTION THAT MAY BE HAZARDOUS TO WORKERS, THE CONTRACTOR IS RESPONSIBLE FOR ALL METHODS ON A WORK SITE. SHOULD ANY DISCREPANCIES EXIST BETWEEN THE PLANS AND REPORT, ANY DISCREPANCIES TO RED OAK DESIGN GROUP, LLC.

NO.	DATE:	REVISION:
1	11/17/23	INITIAL ISSUE

STATE OF LOUISIANA
KENNETH PRIESMEYER
REG. NO. 5356
LICENSED LANDSCAPE ARCHITECT
11-17-2023

PROJECT TEAM:
ARCHITECTS / DRAWINGS
ENERGY ARCHITECTURE

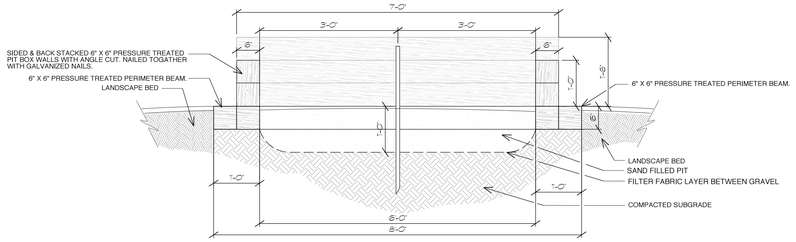
SCALE: SEE PLAN
DRAWN BY:
CHK'D BY:
DATE:
PROJECT NO:

CLIENT:
LAKE CHARLES PILOTS
DAVIS RD
CAMERON, LA 70631

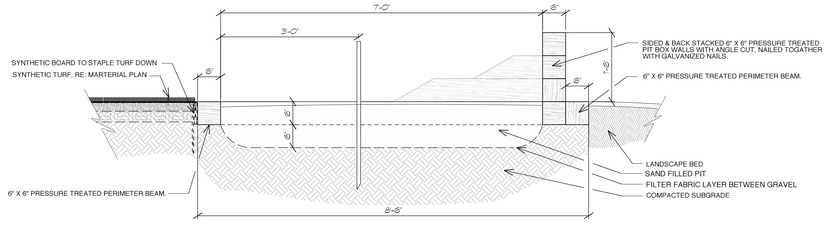
PROJECT NAME:
CAMERON PARISH
LAKE CHARLES
LODGE AND DOCK FACILITY

SHEET TITLE:
MATERIAL PLAN

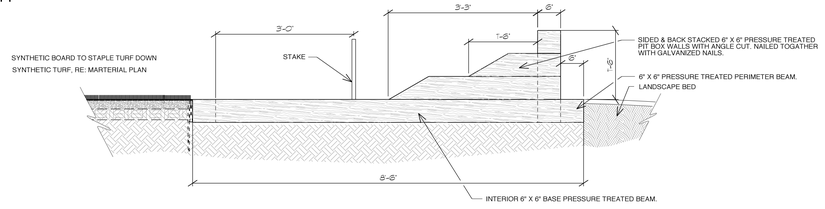
SHEET NUMBER:
L1.01



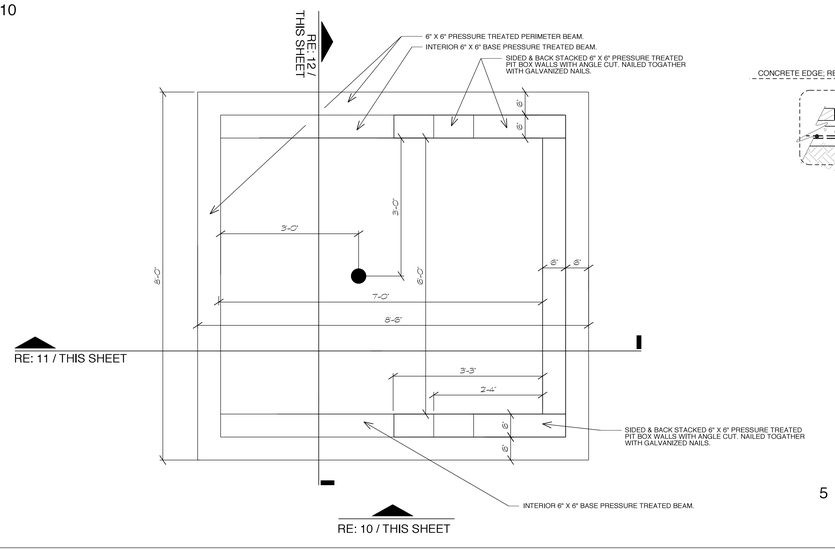
12



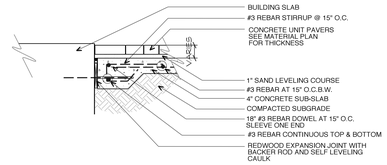
11



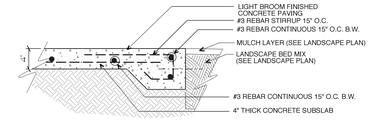
10



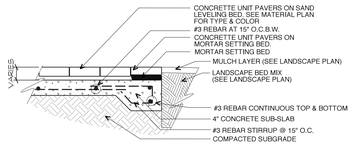
9



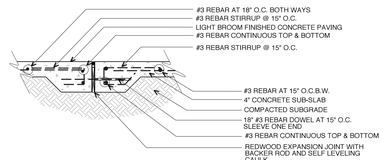
8



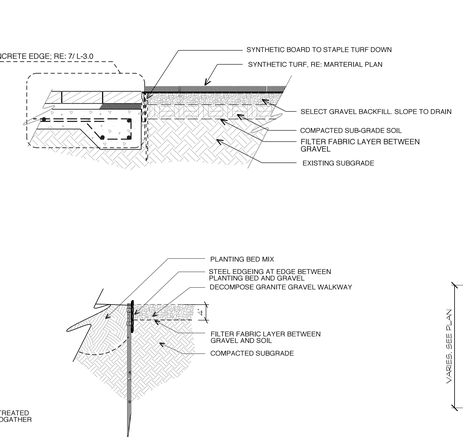
4



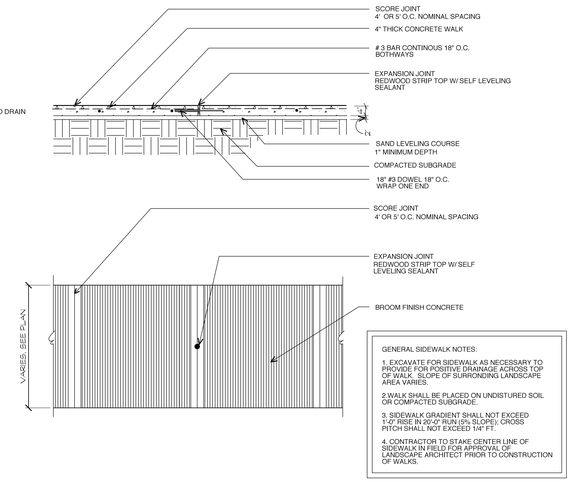
7



3



5



GENERAL SIDEWALK NOTES:

1. EXCAVATE FOR SIDEWALK AS NECESSARY TO PROVIDE FOR POSITIVE DRAINAGE ACROSS TOP OF WALK. SLOPE OF SURRONDING LANDSCAPE AREA VARIES.

2.WALK SHALL BE PLACED ON UNDISTURED SOIL OR COMPACTED SUBGRADE.

3. SIDEWALK GRADIENT SHALL NOT EXCEED 1'-0" RISE IN 20'-0" RUN (5% SLOPE); CROSS PITCH SHALL NOT EXCEED 1/4" FT.

4. CONTRACTOR TO STAKE CENTER LINE OF SIDEWALK IN FIELD FOR APPROVAL OF LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION OF WALKS.

red oak
DESIGN GROUP

LANDSCAPE ARCHITECTURE
SITE PLANNING
CONSULTING

WWW.REDOAKDESIGNGROUP.COM

2415 Town Center Drive, SUITE 150
Sugar Land, Tx 77478
713.936.2001

THIS DRAWING IS THE PROPERTY OF RED OAK DESIGN GROUP, LLC. IT SHALL NOT BE COPIED OR REPRODUCED IN ANY FASHION WITHOUT THE WRITTEN CONSENT OF RED OAK DESIGN GROUP, LLC.

IF USED WHOLLY OR PARTIALLY ON WORK OTHER THAN THAT PURCHASED BY RED OAK DESIGN GROUP, LLC, RED OAK DESIGN GROUP, LLC SHALL BE HELD HARMLESS FOR ANY LOSS.

ANY ALTERATION OF THIS DRAWING WITHOUT THE PRESENCE OF THE SEAL OF A LICENSED PROFESSIONAL THE DESIGNER AND COPYRIGHT OWNER IS HEREBY RELEASED FROM ANY AND ALL RESPONSIBILITY FOR THE ALTERATION. ANY ALTERATIONS MUST BE CLEARLY MARKED AS SUCH AND THE ORIGINATOR NAMED. THE CONTRACTOR SHALL NOTIFY RED OAK DESIGN GROUP, LLC OF ANY DISCREPANCIES OR OMISSIONS FOUND IN THE DRAWINGS AND SHALL NOT PROCEED WITH ANY AFFECTED WORK UNTIL SUCH DISCREPANCIES OR OMISSIONS ARE RESOLVED. ANY ERRORS OR OMISSIONS NOT REPORTED TO RED OAK DESIGN GROUP, LLC SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ANY ALTERATIONS MADE TO THESE DRAWINGS WITHOUT THE WRITTEN CONSENT OF RED OAK DESIGN GROUP, LLC SHALL BE AT THE USERS SOLE RISK AND WITHOUT LIABILITY TO RED OAK DESIGN GROUP, LLC.

NO.	DATE:	REVISION:
1	11/17/23	INITIAL ISSUE

STATE OF LOUISIANA
KENNETH PRIESMEYER
REG. NO. 7456
LICENSED
LANDSCAPE ARCHITECT
11/17/2023

PROJECT TEAM:
ARCHITECTS - DRAWINGS
ENERGY ARCHITECTURE

SCALE: SEE PLAN
DRAWN BY:
CHK'D BY:
DATE:
PROJECT NO:

CLIENT:
LAKE CHARLES PILOTS
DAVIS RD.
CAMERON, LA 70631

PROJECT NAME:
CAMERON PARISH
LAKE CHARLES
LODGE AND DOCK FACILITY

SHEET TITLE:
SITE DETAILS

SHEET NUMBER:
L3.00

PLANTING BED PREPARATION

SHRUBS / GROUNDCOVERS / ANNUALS / PERENNIALS

1. EXCAVATE, REMOVE AND DISPOSE OF EXISTING GRASS, WEEDS, UNWANTED PLANTS AND CONSTRUCTION DEBRIS WITHIN ALL PLANTING BEDS TO EXPOSE EXISTING NATIVE SOIL.
2. TILL / LOOSEN EXISTING EXPOSED SOIL TO A DEPTH OF 6". REMOVE ALL ROOTS, ROCKS (2" DIA. OR GREATER), DEBRIS AND CLAY "CLODS".
3. ADD NATIVE TOPSOIL, AS NEEDED, TO RESTORE GRADE OR PROMOTE POSITIVE DRAINAGE.
4. ADD 4" OF HIGH-QUALITY BIOLOGICALLY ACTIVE ORGANIC COMPOST.
5. ADD ORGANIC FERTILIZER @ 20 LBS PER 1,000 SF OVER ENTIRE PLANTING AREA.
6. TILL NEW SOIL MIXTURE INTO EXISTING SOIL TO A DEPTH OF 8"-10".
7. IMMEDIATELY PRIOR TO PLANTING, THOROUGHLY WET-DOWN ENTIRE PLANTING BED AREA AND SOAK THE ROOT BALLS OF ALL NEW PLANT MATERIAL.
8. LOOSEN ALL OUTSIDE ROOTS THAT HAVE GROWN AGAINST THE CONTAINER.
9. AFTER PLANTING, MULCH ALL PLANTINGS 3" DEEP WITH NATIVE SHREDDED HARDWOOD BARK MULCH FROM LIVING EARTH.
10. IMMEDIATELY WATER IN ALL PLANTINGS WITH A HIGH-QUALITY LIQUID ORGANIC FERTILIZER OR COMPOST TEA.

TREES

1. DIG HOLES 3X WIDTH OF THE ROOT BALL AND 2"-4" LESS DEEP THAN THE ROOT BALL.
2. REMOVE ANY / ALL EXCESS SOIL FROM TOP OF ROOT BALL IN ORDER TO FULLY EXPOSE THE TRUNK FLARE.
3. LOOSEN ALL OUTSIDE ROOTS THAT HAVE GROWN AGAINST THE CONTAINER.
4. SET TREE IN CENTER OF PIT AND SET TO PLUMB.
5. BACKFILL WITH EXISTING SOIL THAT WAS REMOVED.
6. IMMEDIATELY AFTER PLANTING, THOROUGHLY WATER HOLES TO REMOVE AIR POCKETS. DO NOT TAMP SOIL.
7. DO NOT WRAP OR STAKE TREES. IF CONDITIONS EXIST THAT WOULD REQUIRE THE STAKING OF A TREE, NOTIFY THE LANDSCAPE ARCHITECT AND STAKE AS PER DETAILS.
8. MULCH THE TOP OF ROOT BALL WITH 1" LAYER OF ORGANIC COMPOST, THEN 3" OF NATIVE SHREDDED HARDWOOD MULCH.

SOD

1. EXCAVATE, REMOVE AND DISPOSE OF EXISTING GRASS, WEEDS, UNWANTED PLANTS AND CONSTRUCTION DEBRIS WITHIN ALL PLANTING BEDS TO EXPOSE EXISTING NATIVE SOIL.
2. TILL / LOOSEN EXISTING EXPOSED SOIL TO A DEPTH OF 1". REMOVE ALL ROOTS, ROCKS OVER 2" DIA., DEBRIS AND CLAY "CLODS".
3. FILL ALL LOW AREAS W/ NATIVE TOPSOIL AND RAKE ENTIRE AREA TO ACHIEVE A SMOOTH FINISHED GRADE.
4. ADD 1/2" OF HIGH-QUALITY BIOLOGICALLY ACTIVE ORGANIC COMPOST OVER ENTIRE AREA.
5. THOROUGHLY WET SOD PIECES (TOP & BOTTOM) & LAY SOD PIECES END-TO-END, STAGGERING JOINTS BETWEEN ROWS.
6. FILL ALL JOINTS LARGER THAN 1/4" WIDTH WITH ORGANIC COMPOST.
7. ROLL ENTIRE SODDED AREAS WITH WATER BARREL ROLLER TO REMOVE AIR POCKETS.
8. APPLY 1/2" COMPOST OVER ENTIRE SODDED AREA AND THOROUGHLY WATER.

PLANTING NOTES

1. PLANTING BEDS SHOWN ON DRAWINGS TO BE A MIXTURE OF SHRUBS, PERENNIALS AND GROUNDCOVERS. CONTRACTOR TO PROVIDE $6/SF ALLOWANCE
2. ALL PLANT MATERIALS MUST BE CONTAINER GROWN & SHALL MEET INDUSTRY STANDARDS FOR CALIPER, HEIGHT AND ROOT BALL SIZE. ANY MATERIALS THAT DO NOT MEET OR EXCEED SUCH STANDARDS SHALL BE REJECTED AND REPLACED AT THE CONTRACTOR'S EXPENSE.
3. ALL NEW TREES SHALL BE CONTAINER-GROWN & MEET INDUSTRY STANDARDS FOR CALIPER, HEIGHT AND ROOT BALL SIZE. BALLED AND BURLAPPED (B&B), MACHINED MOVED, OR TRANSPLANTED TREES WILL NOT BE ACCEPTED UNLESS AGREED UPON BY LANDSCAPE ARCHITECT.
4. THE LANDSCAPE CONTRACTOR SHALL PREPARE PLANTING BED, TREES AND SOD AREAS PER PLANTING BED PREPARATION NOTES THIS SHEET.
5. CONTRACTOR SHALL LOOSEN COMPACTED SUBSOILS BY TILLING AND IMPORTING NEW TOPSOIL AS REQUIRED TO RESTORE GRADES AND MAINTAIN POSITIVE DRAINAGE AWAY FROM STRUCTURES.
6. THE INSTALLER SHALL PROVIDE ORGANIC MULCH FREE FROM DELETERIOUS MATERIALS & SUITABLE FOR TOP DRESSING TREES, SHRUBS, AND GROUNDCOVERS CONSISTING OF FINELY SHREDDED BARK MULCH.
7. IT IS PREFERABLE THAT NO TREE BE STAKED. HOWEVER, CONDITIONS AND PLANT MATERIAL SIZE MAY NECESSITATE STAKING. THE OWNER'S REP SHALL DETERMINE IF SUPPORT IS NEEDED AND SHALL DIRECT THE CONTRACTOR ACCORDINGLY.
8. ALL NEWLY PLANTED MATERIAL SHALL BE THOROUGHLY SOAKED WITH WATER WITHIN 3 HOURS OF PLANTING.
9. THE INSTALLER SHALL WARRANTY ALL PLANTING MATERIALS FOR A PERIOD OF 12 MONTHS FROM DATE OF SUBSTANTIAL COMPLETION. THE INSTALLER SHALL REMOVE AND REPLACE IMMEDIATELY ANY/ALL PLANT MATERIALS THAT ARE DEAD, IN UNHEALTHY CONDITION, OR SHOWING UNSATISFACTORY GROWTH DURING THE ENTIRE WARRANTY PERIOD.
10. CONTRACTOR SHALL VERIFY PLANT QUANTITIES SHOWN ON PLANTING PLANS.
11. REFER TO PLANTING DETAILS HERIN FOR APPROPRIATE INSTALLATION METHODS AND REQUIREMENTS.
12. ALL PLANTING AREAS TO RECEIVE A FULLY AUTOMATED, IN-GROUND IRRIGATION SYSTEM, WITH CENTRAL CONTROLLER.

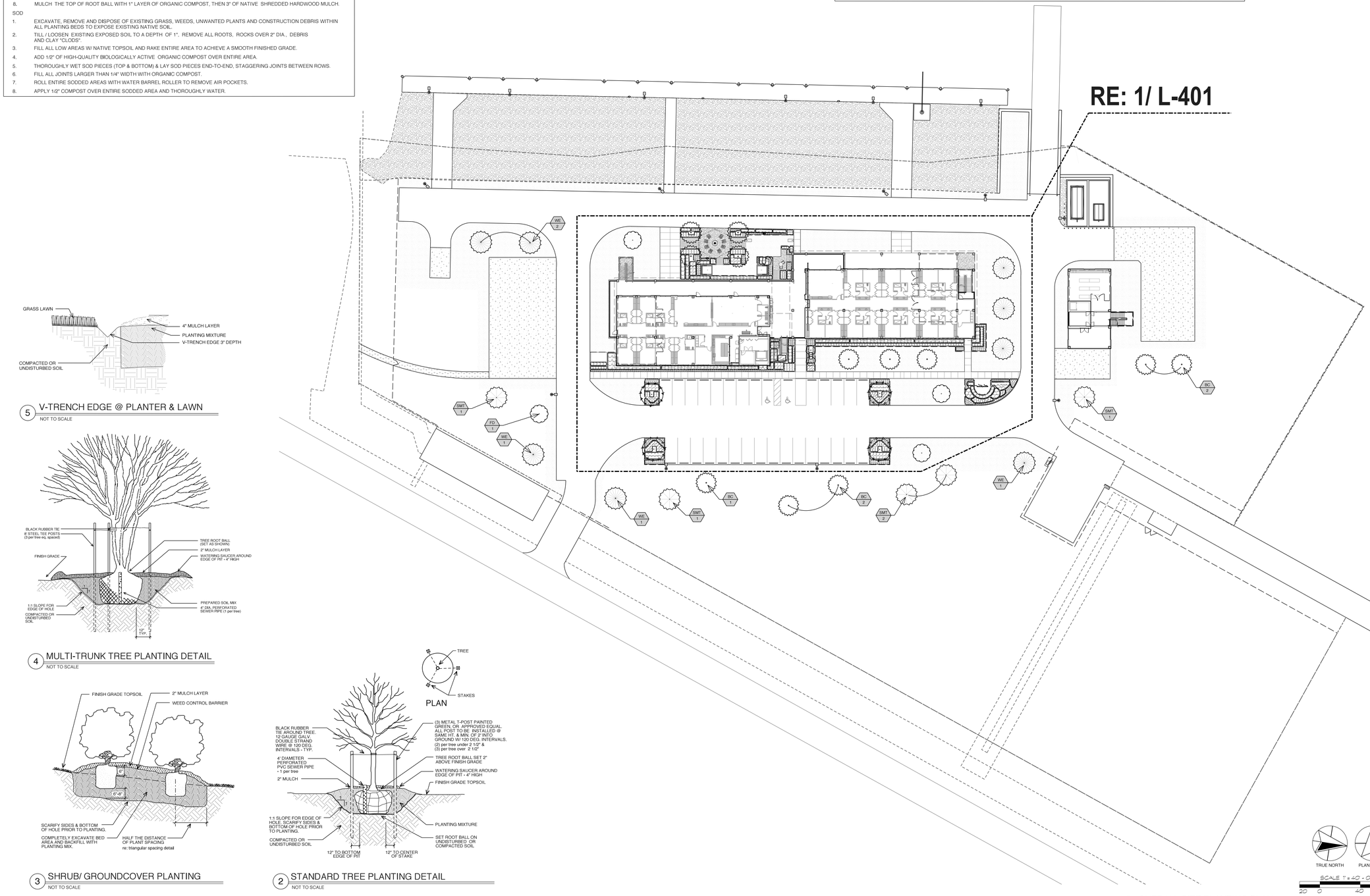
PLANTING SCHEDULE

ABV.	BOTANICAL NAME / COMMON NAME	CALIPER	HEIGHT	WIDTH	SIZE	NOTES
	TREES					
(LO)	QUERCUS FALCATA / SOUTHERN LIVE OAK	3" - 3 1/2"	14' - 16'	5' - 5.5'	65 GAL.	MATCHED, WELL ROOTED
(WE)	ULMUS ALATA / WINGED ELM	3" - 3 1/2"	14' - 16'	5' - 5.5'	65 GAL.	SPECIMEN, MATCHED WELL ROOTED
(BC)	TAXODIUM DISTICHUM / BALD CYPRESS	2 1/2"-3"	10' - 12'	5' - 6'	45 GAL.	SPECIMEN, MATCHED WELL ROOTED
(SMT)	MAGNOLIA GRANDIFLORA / SOUTHERN MAGNOLIA	2 1/2"-3"	10' - 12'	5' - 6'	45 GAL.	SPECIMEN, MATCHED WELL ROOTED
(FD)	CORNUS FLORIDA / FLOWING DOGWOOD	2 1/2"-3"	10' - 12'	5' - 6'	45 GAL.	SPECIMEN, MATCHED WELL ROOTED
(RB)	BETULA NIGRA /RIVER BIRCH	1" - 1 1/4" EA. CANE	8' - 10'	4' - 5'	30 GAL.	MATCHED, WELL ROOTED, 3-5 CANES
	SHRUBS					
(DWM)	MYRTUS COMMUNIS 'COMPACTA' / DWARF WAX MYRTLE		24"	18"	5 GAL.	FULL, WELL ROOTED 30" O.C.
(LC)	LOROPETALUM CHINENSE 'PLUM DELIGHT' / PLUM DELIGHT CHINESE WITCH HAZEL		20"	20"	5 GAL.	FULL, WELL ROOTED 30" O.C.
(IH)	RAPHIOLEPIS INDICA / INDIAN HAWTHORN		18"	18"	3 GAL.	FULL, WELL ROOTED 30" O.C.
(SL)	LIGUSTRUM SINENSE 'SUNSHINE' / SUNSHINE LIGUSTRUM		18"	14"	3 GAL.	FULL, WELL ROOTED 36" O.C.
(CL)	CLEYERA JAPONICA 'CONTHERANN' / CLEYERA LEANN		24"	20"	5 GAL.	
(FL)	DIANELLA TASMANICA 'VARIEGATA' / VARIEGATED FLAX LILY		16"	12"	3 GAL.	FULL, WELL ROOTED, 24" O.C.
	GROUNDCOVERS					
(GL)	LIRIOPE MUSCARI 'GIGANTEA' / GIANT LIRIOPE		16"	14"	3 GAL.	FULL, WELL ROOTED, 18" O.C.
(FF)	ASPARAGUS DENSIFLORUS 'MYERS' / FOXTAIL FERN		16"	16"	3 GAL.	FULL, WELL ROOTED, 18" O.C.
	SOD					
(BER)	CYNODON DACTYLON / BERMUDA GRASS					SOLID SOD & HYDROMULCH

LEGEND

	NURSERY GROWN TREES
	NURSERY GROWN MULTI-TRUNK TREES
	SHRUBS/GROUNDCOVERS
CE	PLANTING BED EDGE - CUT EDGE
	SOLID SOD (SEE PLANTING SCHEDULE)
	HYDROMULCH GRASS AREA

RE: 1/ L-401



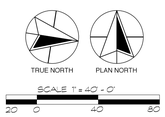
1 OVERALL SITE PLANTING PLAN
SCALE: 1" = 40'-0"

5 V-TRENCH EDGE @ PLANTER & LAWN
NOT TO SCALE

4 MULTI-TRUNK TREE PLANTING DETAIL
NOT TO SCALE

3 SHRUB/ GROUNDCOVER PLANTING
NOT TO SCALE

2 STANDARD TREE PLANTING DETAIL
NOT TO SCALE



red oak DESIGN GROUP
LANDSCAPE ARCHITECTURE
SITE PLANNING
CONSULTING
WWW.REDOAKDESIGNGROUP.COM
2415 Town Center Drive, SUITE 150
Sugar Land, Tx 77478
713.936.2001

THE DRAWINGS IN THIS PROPERTY OF RED OAK DESIGN GROUP, LLC. IT SHALL NOT BE COPIED OR REPRODUCED IN ANY FASHION WITHOUT THE WRITTEN CONSENT OF RED OAK DESIGN GROUP, LLC.
IF USED WITHOUT OUR PARTICIPATION ON WORK OTHER THAN THAT PURCHASED BY RED OAK DESIGN GROUP, LLC, THE CLIENT RELEASES RED OAK DESIGN GROUP, LLC FROM ALL LIABILITY AND CLAIMS RESULTING FROM SUCH USE.

NO.	DATE:	REVISION:
1	11/17/23	INITIAL ISSUE

STATE OF LOUISIANA
KENNETH PRIESMEYER
REG. NO. 5484
LICENSED LANDSCAPE ARCHITECT
1/17/2023

PROJECT TEAM:
ARCHITECTS / DRAWINGS
ENERGY ARCHITECTURE

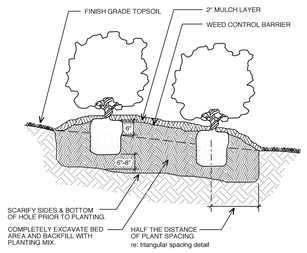
SCALE: SEE PLAN
DRAWN BY:
CHK'D BY:
DATE:
PROJECT NO:

CLIENT:
LAKE CHARLES PILOTS
DAVIS RD.
CAMERON, LA 70631

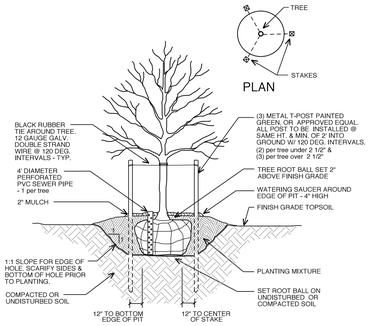
PROJECT NAME:
CAMERON PARISH
LAKE CHARLES
LODGE AND DOCK FACILITY

SHEET TITLE:
PLANTING PLAN
SITE PLAN

SHEET NUMBER:
L4.00



3 SHRUB/ GROUNDCOVER PLANTING
NOT TO SCALE



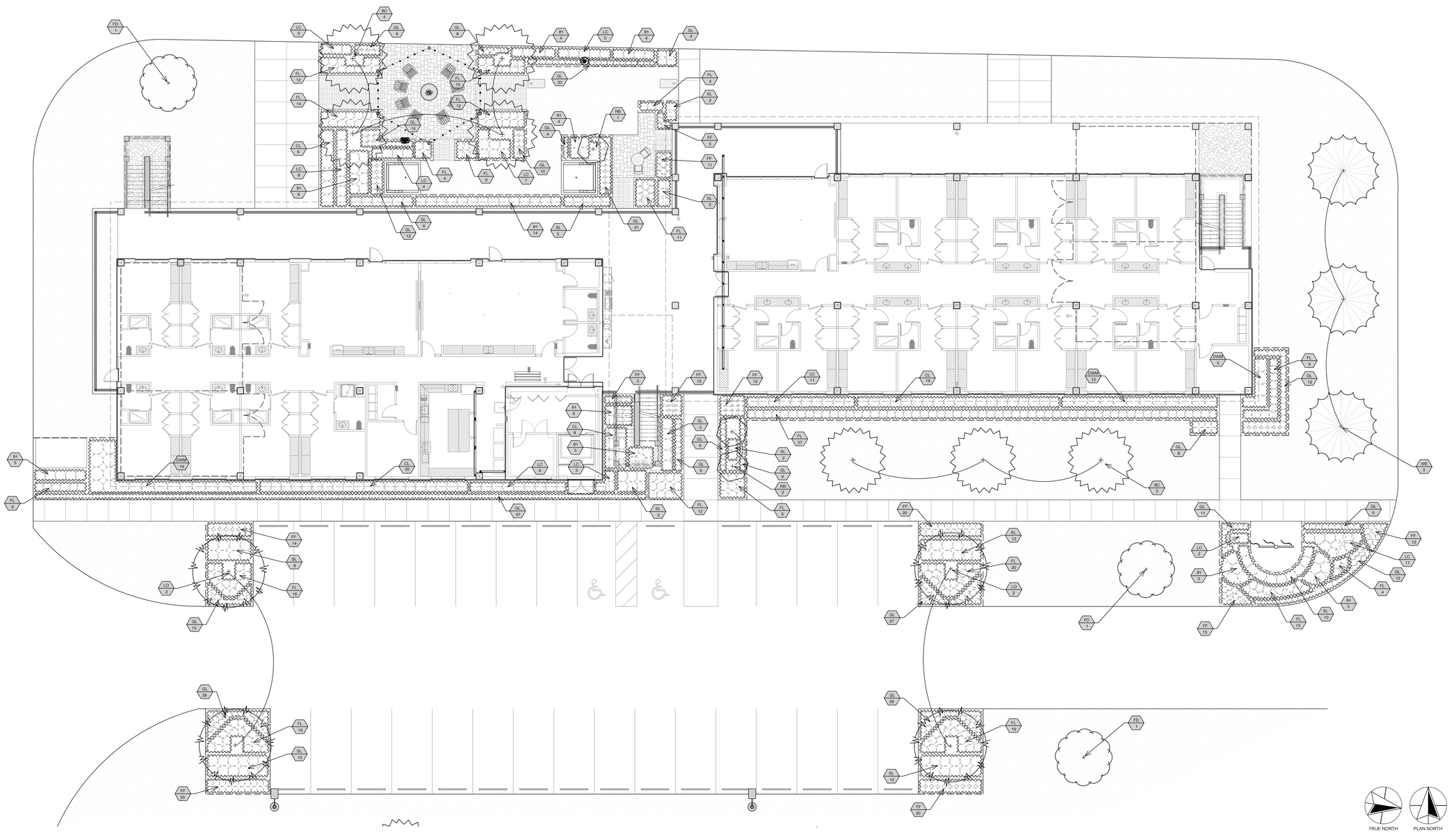
2 STANDARD TREE PLANTING DETAIL
NOT TO SCALE

PLANTING SCHEDULE

ABV.	BOTANICAL NAME / COMMON NAME	CALIPER	HEIGHT	WIDTH	SIZE	NOTES
	TREES					
(LO)	QUERCUS FALCATA / SOUTHERN LIVE OAK	3" - 3 1/2"	14' - 16'	5' - 5.5'	65 GAL.	MATCHED, WELL ROOTED
(WE)	ULMUS ALATA / WINGED ELM	3" - 3 1/2"	14' - 16'	5' - 5.5'	65 GAL.	SPECIMEN, MATCHED WELL ROOTED
(BC)	TAXODIUM DISTICHUM / BALD CYPRESS	2 1/2"-3"	10' - 12'	5' - 6'	45 GAL.	SPECIMEN, MATCHED WELL ROOTED
(SMT)	MAGNOLIA GRANDIFLORA / SOUTHERN MAGNOLIA	2 1/2"-3"	10' - 12'	5' - 6'	45 GAL.	SPECIMEN, MATCHED WELL ROOTED
(FD)	CORNUS FLORIDA / FLOWING DOGWOOD	2 1/2"-3"	10' - 12'	5' - 6'	45 GAL.	SPECIMEN, MATCHED WELL ROOTED
(RB)	BETULA NIGRA /RIVER BIRCH	1" - 1 1/4" EA. CANE	8' - 10'	4' - 5'	30 GAL.	MATCHED, WELL ROOTED, 3-5 CANES
	SHRUBS					
(DWM)	MYRTUS COMMUNIS 'COMPACTA' / DWARF WAX MYRTLE		24"	18"	5 GAL.	FULL, WELL ROOTED 30" O.C.
(LC)	LOROPETALUM CHINENSE 'PLUM DELIGHT' / PLUM DELIGHT CHINESE WITCH HAZEL		20"	20"	5 GAL.	FULL, WELL ROOTED 30" O.C.
(IH)	RAPHIOLEPIS INDICA / INDIAN HAWTHORN		18"	18"	3 GAL.	FULL, WELL ROOTED 30" O.C.
(SL)	LIGUSTRUM SINENSE 'SUNSHINE' / SUNSHINE LIGUSTRUM		18"	14"	3 GAL.	FULL, WELL ROOTED 36" O.C.
(CL)	CLEYERA JAPONICA 'CONTHERANN' / CLEYERA LEANN		24"	20"	5 GAL.	
(FL)	DIANELLA TASMANICA 'VARIEGATA' / VARIEGATED FLAX LILY		16"	12"	3 GAL.	FULL, WELL ROOTED, 24" O.C.
	GROUNDCOVERS					
(GL)	LIRIOPE MUSCARI 'GIGANTEA' / GIANT LIRIOPE		16"	14"	3 GAL.	FULL, WELL ROOTED, 18" O.C.
(FF)	ASPARAGUS DENSIFLORUS 'MYERS' / FOXTAIL FERN		16"	16"	3 GAL.	FULL, WELL ROOTED, 18" O.C.
	SOD					
(BER)	CYNODON DACTYLON / BERMUDA GRASS					SOLID SOD & HYDROMULCH

LEGEND

	NURSERY GROWN TREES
	NURSERY GROWN MULTI-TRUNK TREES
	SHRUBS/GROUNDCOVERS
CE	PLANTING BED EDGE - CUT EDGE
	SOLID SOD (SEE PLANTING SCHEDULE)
	HYDROMULCH GRASS AREA



1 BUILDING SITE ISLAND PLANTING PLAN
SCALE: 1" = 10'-0"

TRUE NORTH
PLAN NORTH
SCALE 1" = 10' - 0"
5 0 10 20

red oak DESIGN GROUP
LANDSCAPE ARCHITECTURE
SITE PLANNING
CONSULTING
WWW.REDOAKDESIGNGROUP.COM
2415 Town Center Drive, SUITE 150
Sugar Land, Tx 77478
713-936-2001

THE DRAWINGS IS THE PROPERTY OF RED OAK DESIGN GROUP, LLC. IT SHALL NOT BE COPIED OR REPRODUCED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF RED OAK DESIGN GROUP, LLC.
BY USE, SHOW OR OTHERWISE UTILIZING THESE PLANS, THE CONTRACTOR AGREES TO INDEMNIFY AND HOLD HARMLESS THE DESIGNER AND CONSULTANTS FROM ANY AND ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING ATTORNEY'S FEES, ARISING OUT OF OR RESULTING THEREFROM.
WHILE EVERY EFFORT HAS BEEN TAKEN TO PREVENT ERRORS IN THE PREPARATION OF THESE PLANS TO ALLOW THE DESIGNER AND CONTRACT DOCUMENTS, ELIMINATE ALL ERRORS, THE CONTRACTOR IS RESPONSIBLE FOR ALL ERRORS, OMISSIONS AND DISCREPANCIES AND MUST REPORT ANY DISCREPANCIES TO RED OAK DESIGN GROUP, LLC.

NO.	DATE:	REVISION:
1	11/17/23	INITIAL ISSUE

STATE OF LOUISIANA
KENNETH PRIESMEYER
REG. NO. 7456
LICENSED LANDSCAPE ARCHITECT
11/17/2023

PROJECT TEAM:
ARCHITECTS / GRAPHICS
ENERGY ARCHITECTURE

SCALE: SEE PLAN
DRAWN BY:
CHK'D BY:
DATE:
PROJECT NO:

CLIENT:
LAKE CHARLES PILOTS
DAVIS RD.
CAMERON, LA 70631

PROJECT NAME:
CAMERON PARISH
LAKE CHARLES
LODGE AND DOCK FACILITY

SHEET TITLE:
PLANTING PLAN
BUILDING PAD

SHEET NUMBER:
L4.01

IRRIGATION NOTES

1) Valve / Zone Identification
GPM
Valve Size
Valve / Zone Identification
Valve Size
GPM
Drip Area
Hatch Pattern Indicates Areas to be Included This Zone

2) Contractor shall field verify dimensions and static water pressure required for proper operation is _60_ PSI and is to be checked at least 10 days prior to beginning the irrigation installation. If the static water pressure is less that _60_ PSI, the irrigation contractor is to notify the designer immediately.
3) The contractor is responsible for obtaining all permits required to install the Irrigation system.
4) Mainline may be shown diagrammatically. Contractor shall locate all mainline along sidewalks, within curblines, and inside property lines. Sleeves shall be provided by contractor wherever mainline or lateral lines cross under sidewalks or roadways even if not indicated on plan. Sleeve sizes are to be 6" for mainline and 4" for lateral lines unless otherwise indicated. Additional sleeves may be indicated on plans to carry Control wires.
5) All sprinkler heads shall be perpendicular and even with finish grades. All sprinkler heads be installed a minimum three inches from the curb, sidewalk, and driveways.
6) Irrigation heads and components shall be located a MINIMUM of 12 Inches from all buildings to avoid adverse performance of foundations and slabs due to the shrinking and swelling of clay subsoils. The installation contractor and maintenance contractor shall closely monitor system to ensure that excessive irrigation moisture does not cause swelling of clay subsoil thereby causing harm to foundations and slabs.
7) Set all control valve, quick coupler, double check boxes level and even with finished grade.
8) Group valves as much as possible. Place boxes parallel to curbs, buildings and each other. Provide 6" base of Pea Gravel for all valve boxes installed.
9) All pipe shall have a minimum of 12" of cover. All pipe shall be primered before gluing & tested before backfill.
10) All trenching within the dripline of existing trees Is to be done by hand. No mechanical trencher shall be used in these areas and no roots larger than 1 1/2" in diameter shall be cut. Contact the Landscape Architect if a problem arises.
11) The irrigation controller shall be located in an area designated by the plan and installed per manufacturer's recommendations. Sufficient power is to be provided per manufacturer's recommendation by the contractor.
12) Contractor shall field verify best possible location to mount Rain Sensor within 25 feet of the Controller. Avoid interference from trees, buildings, and other structures for optimum accuracy.
13) The installation contractor is required to maintain complete as-built drawings of the irrigation system at all times. Upon completion of this project, the contractor is to supply the owner with a complete set of drawings showing he exact location of all control valves, quick coupler valves, double check assemblies and controllers. The contractor's alterations to the designed system should not; diminish the operational integrity of the system, violate any requirements of the adopted rules and regulations, and are marked in RED on the irrigation plan.
14) Installation Contractor shall closely monitor and set the controller system to ensure that the system provides adequate watering and avoid excessive watering. The Installation Contractor is responsible for posting the watering schedule on the controller clearly identifying watering times for each zone.
15) The Installation Contractor must ensure the backflow prevention device is teseted prior to being placed in service and the test results are provided to the water purveyor and the system's owner within 10 days of testing.
16) All unsurfaced areas are to receive at minimum of two inches of topsoil w/ solid sod, seeded, or mulch unless otherwise indicated on plans. Contractor shall watered areas until a healthy stand of grass is obtained.

IRRIGATION PERFORMANCE NOTES:

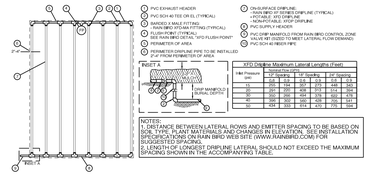
1) Contact the District Operator for the required inspections.
2) Spray will not be allowed on any impervious surfaces.
3) Areas of less than 48" shall have no above ground spray.
4) As-built drawings will be required no more than 5 days following completion of the system installtion.

GENERAL WIRING NOTES

1) All controller wires should be located underneath mainline piping inside trenches to avoid possible cutting of wires if lines are dug up in the future. Contractor shall also run spare control wires in each direction from controller to farthest valves to serve as backup wires.
2) The wiring used in an irrigation system connection section valves to controllers must be Underwriters Laboratories listed for direct underground burial and sized according to the manufacturer's recommendation.
3) Direct burial wire splices which will be exposed to moisture must be waterproof as per manufacturer's recommendation.
4) Irrigation wiring must be buried with a minimum of six inches of select backfill.

IRRIGATION LEGEND

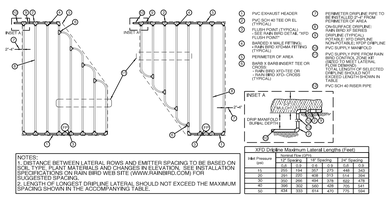
SYMBOL	MANUFACTURER/ MODEL NUMBER
C	CONTROLLER - RAINBIRD MODEL # ESP-ME3 - 2 WIRE CONTROLLER. FINAL LOCATION TO BE DETERMINED DURING CONSTRUCTION. COORDINATE ANY ELECTRICAL WITH CONTRACTOR. *** PROVIDE ADDTIONAL - (2) ESP-SM6 & (1) ESP-SM3 MODULES
RS	RAIN SENSOR - RAINBIRD WR2 WIRELESS SENSOR or HUNTER SENSOR.
M	2" IRRIGATION METER - GC CONTRACTOR TO HAVE PURCHASE AND INSTALLED FOR LANDSCAPE CONTRACTOR.
	POINT OF CONNECTION
	BACKFLOW PREVENTOR - 2" FEBCO MODEL NUMBER 765 PRESSURE VACUUM BREAKER ASSEMBLEY AS ALLOWABLE BY PREVAILING CODE TO BE PROVIDED AND INSTALLED BY IRRIGATION CONTRACTOR
	MASTER VALVE - 2" SUPERIOR / BUCKNER MODEL 3100-000 W/ LXIVMSOL
ICV	ISOLATION VALVE - 2" RAINBIRD PEB OR AS NOTED ON PLAN.
FS	FLOW SENSOR - RAINBIRD FLOW SENSOR; MODEL FD-300-P W/ LXIVMSEN. SIZE PER LINE.
	MANUAL VALVE - BALL VALVE SIZE PER LINE
	REMOTE CONTROL VALVE : SIZE PER ZONE REQUIREMENT - RAINBIRD-PEB-IVM-PRS-D SERIES.
	DRIP CONTROLLER VALVE - SIZE PER PLAN. NOTE: EACH DRIP REMOTE CONTROL VALVE INSTALLED WITH A LXIVMSOL INTEGATED VALVE MODULE W/ 2-WIRE DECODER/SOLENOID.
	RAINBIRD-XCZ-100-PRB-COM W/ LXIVMSOL & RAINBIRD-150-PEB-PRS-D W/ LXIVMSOL W/ LCRBY 150H HIGH CAPACITY DISC FILTER (20-75 GMP)
4"SLV and 6"SLV	SCHEDULE 40 PVC SLEEVES, 4" & 6"
	MAINLINE - 3" CLASS 200 PVC PIPE
	LATERAL LINE - CLASS 200 PVC (SEE SHEETS FOR SIZING)
	-- SPRAY ROTOR HEADS - RAINBIRD R-VAN SERIES NOZZLES ON 1800SAM-P4S spray bodies for lawn areas
	R-VAN14 - R-8'-14'
	R-VAN18 - R-13'-18'
	R-VAN24 - R-17'-24'
5' x 30' 5' x 15'	R-VAN-SST & R-VAN-RCS & LCS
	-- ROTOR HEADS - RAINBIRD 5000 SERIES NOZZLES
	27' R - 1.0 LA NOZZLE
	35 R - 1.5 NOZZLE
	40' R - 3.0 NOZZLE
	42' R - 4.0 NOZZLE
	5000 - MPR - 25 ' R
	5000 - MPR - 35' R
	DRIP IRRIGATION LINE - RAINBIRD XFD-06-18 ON SURFACE DRIPLINE. SPACING ON DRIPLINES IS 18" O.C. INSTALL TWO ROWS OF DRIP LINE EVENLY SPACED. USE RAINBIRD XFS-06-18. IF BEDS AREA EXCEEDS 36", INSTALL THREE ROWS EVENLY SPACED. INSTALL STAPLES @ MAX 3' O.C. TO SECURE.
	DRIP IRRIATION ZONE CONNECTION POINT
	DRIP IRRIATION OPERATION INDICATOR - RAINBIRD-OPERIND (not shown graphically) INSTALL (2) PER DRIP ZONE BED, INSTALL INDICATOR ON EACH BUILDING FACE MIN.
	DRIP IRRIGATION - FLUSH POINT (INSTALL PER FACTORY RECOMMENDATION)
PRV	DRIP IRRIGATION - RAINBIRD AIR VACUUM RELIEF VALVE KIT - ARV050 : 1/2" AIR RELIEF VALVE (not shown graphically) - INSTALL PER FACTORY RECOMMENDATION
FP	DRIP IRRIGATION - FLUSH POINT (shown graphically) - INSTALL PER FACTORY RECOMMENDATION



XFD Dripline Maximum Lateral Lengths (Feet)					
	Sandy Soil (SW)		Loamy Soil (SL)		
Inlet Pressure (PSI)	12" Spacing	18" Spacing	12" Spacing	18" Spacing	
15	305	410	305	410	305
20	353	474	353	474	353
25	395	530	395	530	395
30	434	582	434	582	434
35	469	630	469	630	469
40	502	674	502	674	502
45	533	715	533	715	533
50	562	754	562	754	562
55	589	791	589	791	589
60	615	826	615	826	615

NOTES:
1. DISTANCE BETWEEN LATERAL ROWS AND EMITTER SPACING TO BE BASED ON SOIL TYPE, PLANT MATERIALS AND CHANGES IN ELEVATION. SEE INSTALLATION SPECIFICATIONS ON RAIN BIRD WEB SITE (WWW.RAINBIRD.COM) FOR SUGGESTED SPACING.
2. LENGTH OF LONGEST DRIPLINE LATERAL SHOULD NOT EXCEED THE MAXIMUM SPACING SHOWN IN THE ACCOMPANYING TABLE.

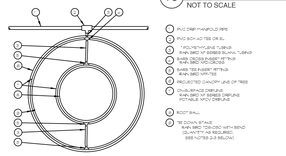
16 XFD ON-SURFACE DRIPLINE
NOT TO SCALE — END FEED LAYOUT



XFD Dripline Maximum Lateral Lengths (Feet)					
	Sandy Soil (SW)		Loamy Soil (SL)		
Inlet Pressure (PSI)	12" Spacing	18" Spacing	12" Spacing	18" Spacing	
15	305	410	305	410	305
20	353	474	353	474	353
25	395	530	395	530	395
30	434	582	434	582	434
35	469	630	469	630	469
40	502	674	502	674	502
45	533	715	533	715	533
50	562	754	562	754	562
55	589	791	589	791	589
60	615	826	615	826	615

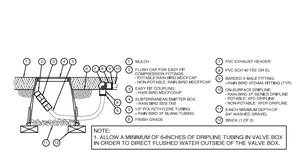
NOTES:
1. DISTANCE BETWEEN LATERAL ROWS AND EMITTER SPACING TO BE BASED ON SOIL TYPE, PLANT MATERIALS AND CHANGES IN ELEVATION. SEE INSTALLATION SPECIFICATIONS ON RAIN BIRD WEB SITE (WWW.RAINBIRD.COM) FOR SUGGESTED SPACING.
2. LENGTH OF LONGEST DRIPLINE LATERAL SHOULD NOT EXCEED THE MAXIMUM SPACING SHOWN IN THE ACCOMPANYING TABLE.

15 XFD ON-SURFACE DRIPLINE
NOT TO SCALE — IRREGULAR SHAPED LAYOUT



NOTES:
1. DISTANCE BETWEEN LATERAL RINES AND EMITTER SPACING TO BE SIMILIR TO AND TREE CANOPY. SEE INSTALLATION SPECIFICATIONS ON RBIRD WEB SITE (WWW.RAINBIRD.COM) SUGGESTED SPACING.
2. PLACE TIE DOWN STAKES EVERY THREE FEET IN SAND, FOUR FEET IN LOAM, AND FIVE FEET IN CLAY.
3. AT FITTINGS WHERE THERE IS A CHANGE OF DIRECTION SUCH ASSURES USE TIE-DOWN STAKES ON EACH LEG OF THE CHANGE OF DIRECTION.

14 ON-SURFACE DRIPLINE AROUND TREE
NOT TO SCALE

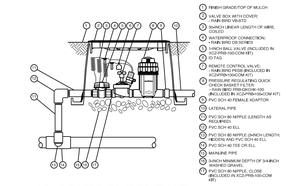


NOTE:
1. ALLOW A MINIMUM OF 6-INCHES OF DRIPLINE TUBING IN VALVE BOX IN ORDER TO DIRECT FLUSHED WATER OUTSIDE OF THE VALVE BOX.

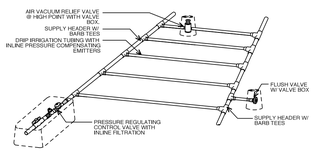
13 XFD ON-SURFACE DRIPLINE FLUSH POINT
NOT TO SCALE

NOTES:
1. PLACE TIE DOWN STAKES EVERY THREE FEET IN SAND, FOUR FEET IN LOAM, AND FIVE FEET IN CLAY.
2. AT FITTINGS WHERE THERE IS A CHANGE OF DIRECTION SUCH AS TEES OR ELBOWS, USE TIE DOWN STAKES W/ EACH FIT COMPRESSION FITTING ON EACH LEG OF THE CHANGE OF DIRECTION.

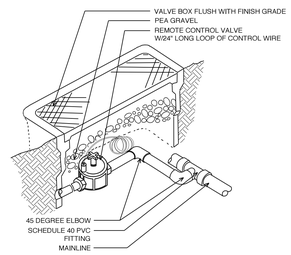
12 XFD ON-SURFACE DRIPLINE INSERT ADAPTER
FOR 1" OR LARGER PVC



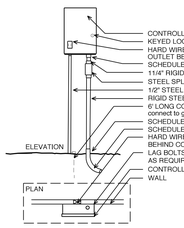
11 CONTROL ZONE KIT
NOT TO SCALE — XCZ-100-B-COM 1" COMMERCIAL



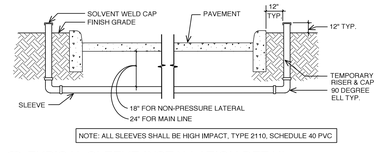
10 TYPICAL DRIP IRRIGATION
NOT TO SCALE



5 REMOTE CONTROL VALVE DETAIL
NOT TO SCALE

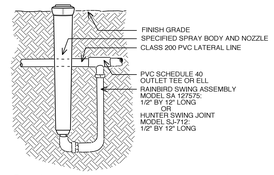


2 WALL MOUNTED CONTROLLER
NOT TO SCALE

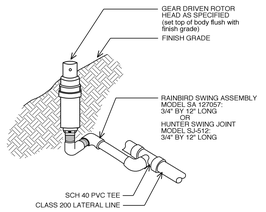


NOTE: ALL SLEEVES SHALL BE HIGH IMPACT, TYPE 2110, SCHEDULE 40 PVC

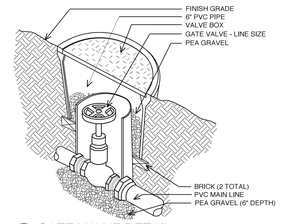
1 TYPICAL SLEEVE INSTALLATION DETAIL
NOT TO SCALE



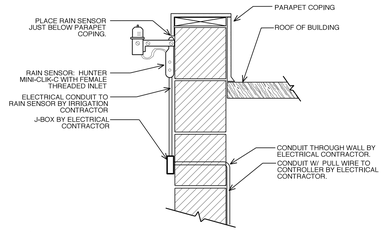
8 HIGH-POP SPRAY HEAD DETAIL
NOT TO SCALE



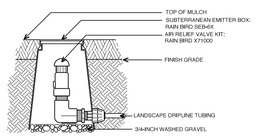
7 GEAR DRIVEN ROTOE HEAD
NOT TO SCALE



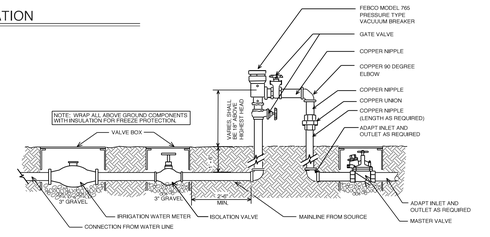
6 GATE VALVE DETAIL
NOT TO SCALE



3 RAIN SENSOR
NOT TO SCALE



9 AIR VACUUM/RELIEF VALVE
NOT TO SCALE



4 POINT OF CONNECTION DETAIL
NOT TO SCALE

THE DRAWINGS IS THE PROPERTY OF RED OAK DESIGN GROUP, LLC & SHALL NOT BE COPIED OR REPRODUCED IN ANY FASHION WITHOUT THE WRITTEN CONSENT OF RED OAK DESIGN GROUP, LLC.
IT USED "AS-BUILT" OR PARTIALLY ON WORK OTHER THAN THAT PURCHASED BY RED OAK DESIGN GROUP, LLC, PROJECTS RESERVED TO MAKE A CHARGE FOR DRAWINGS COST.
NO ALTERATION TO THIS PLAN SHALL BE MADE WITHOUT THE PREPARATION OF THIS PLAN TO INCLUDE THE ALTERATIONS AND THE SIGNATURE AND SEAL OF THE LANDSCAPE ARCHITECT RESPONSIBLE FOR THE ALTERATIONS.
THE SUBMITTAL OF THESE PLANS TO THE OWNER FOR REVIEW SHALL NOT CONSTITUTE ANY PUBLICATION OF THE PLANS, AND SHALL NOT IMPLY ANY RIGHT TO CONSTRUCT FROM THESE PLANS WITHOUT THE WRITTEN PERMISSION OF RED OAK DESIGN GROUP, LLC.

NO.	DATE:	REVISION:
1	11/17/23	INITIAL ISSUE
		04/22/2022

STATE OF LOUISIANA
KENNETH PRIESMEYER
REG. NO. 7456
LICENSED LANDSCAPE ARCHITECT
11/17/2023

PROJECT TEAM:
-ARCHITECTS / GRAPHICS-
ENERGY ARCHITECTURE

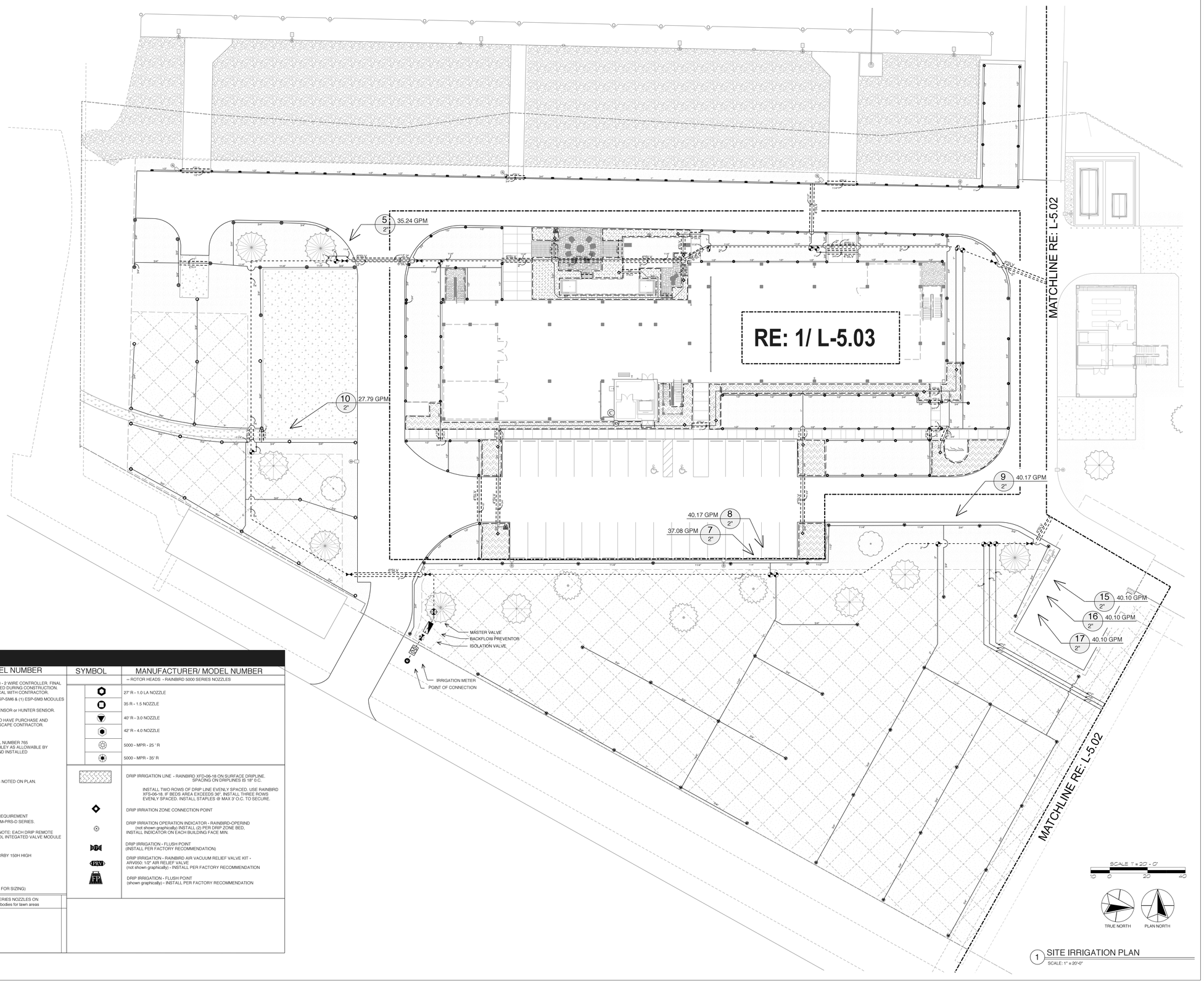
SCALE: SEE PLAN
DRAWN BY:
CHK'D BY:
DATE:
PROJECT NO:

CLIENT:
LAKE CHARLES PILOTS
DAVIS RD.
CAMERON, LA 70631

PROJECT NAME:
CAMERON PARISH
LAKE CHARLES
LODGE AND DOCK FACILITY

SHEET TITLE:
IRRIGATION PLAN

SHEET NUMBER:
L5.00



IRRIGATION LEGEND

SYMBOL	MANUFACTURER/ MODEL NUMBER
C	CONTROLLER - RAINBIRD MODEL # ESP-ME3 - 2 WIRE CONTROLLER. FINAL LOCATION TO BE DETERMINED DURING CONSTRUCTION. COORDINATE ANY ELECTRICAL WITH CONTRACTOR. *** PROVIDE ADDTIONAL - (2) ESP-SM6 & (1) ESP-SM3 MODULES
RS	RAIN SENSOR - RAINBIRD WR2 WIRELESS SENSOR or HUNTER SENSOR.
M	2" IRRIGATION METER - GC CONTRACTOR TO HAVE PURCHASE AND INSTALLED FOR LANDSCAPE CONTRACTOR.
	POINT OF CONNECTION
	BACKFLOW PREVENTOR - 2" FEBCO MODEL NUMBER 765 PRESSURE VACUUM BREAKER ASSEMBLEY AS ALLOWABLE BY PREVAILING CODE TO BE PROVIDED AND INSTALLED BY IRRIGATION CONTRACTOR
	MASTER VALVE - 2" SUPERIOR / BUCKNER MODEL 3100-200 W/ LXIVMSOL
ICV	ISOLATION VALVE - 2" RAINBIRD PEB OR AS NOTED ON PLAN.
	MANUAL VALVE - BALL VALVE SIZE PER LINE
	REMOTE CONTROL VALVE : SIZE PER ZONE REQUIREMENT - RAINBIRD-PEB-IVM-PRS-D SERIES.
	DRIP CONTROLLER VALVE - SIZE PER PLAN. NOTE: EACH DRIP REMOTE CONTROL VALVE INSTALLED WITH A LXIVMSOL INTEGATED VALVE MODULE W/ 2-WIRE DECODER/SOLENOID.
	RAINBIRD-XCZ-100-PRB-COM W/ LXIVMSOL & RAINBIRD-150-PEB-PRS-D W/ LXIVMSOL W/ LCRBY 150H HIGH CAPACITY DISC FILTER (20-75 GMP)
4"SLV and 6"SLV	SCHEDULE 40 PVC SLEEVES, 4" & 6"
	MAINLINE - 3" CLASS 200 PVC PIPE
	LATERAL LINE - CLASS 200 PVC (SEE SHEETS FOR SIZING)

SYMBOL	MANUFACTURER/ MODEL NUMBER
	-- ROTOR HEADS - RAINBIRD 5000 SERIES NOZZLES
	27' R - 1.0 LA NOZZLE
	35 R - 1.5 NOZZLE
	40' R - 3.0 NOZZLE
	42' R - 4.0 NOZZLE
	5000 - MPR - 25 ° R
	5000 - MPR - 35° R
	DRIP IRRIGATION LINE - RAINBIRD XFD-06-18 ON SURFACE DRIPLINE. SPACING ON DRIPLINES IS 18" O.C. INSTALL TWO ROWS OF DRIP LINE EVENLY SPACED. USE RAINBIRD XFS-06-18. IF BEDS AREA EXCEEDS 36", INSTALL THREE ROWS EVENLY SPACED. INSTALL STAPLES @ MAX 3' O.C. TO SECURE.
	DRIP IRRIATION ZONE CONNECTION POINT
	DRIP IRRIATION OPERATION INDICATOR - RAINBIRD-OPERIND (not shown graphically) INSTALL (2) PER DRIP ZONE BED, INSTALL INDICATOR ON EACH BUILDING FACE MIN.
DFH	DRIP IRRIGATION - FLUSH POINT (INSTALL PER FACTORY RECOMMENDATION)
PRV	DRIP IRRIGATION - RAINBIRD AIR VACUUM RELIEF VALVE KIT - ARV050; 1/2" AIR RELIEF VALVE (not shown graphically) - INSTALL PER FACTORY RECOMMENDATION
FFA	DRIP IRRIGATION - FLUSH POINT (shown graphically) - INSTALL PER FACTORY RECOMMENDATION

	-- SPRAY ROTOR HEADS - RAINBIRD R-VAN SERIES NOZZLES ON 1800SAM-P4S spray bodies for lawn areas
	R-VAN14 - R-8'-14'
	R-VAN18 - R-13'-18'
	R-VAN24 - R-17'-24'
5' x 30' 5' x 15'	R-VAN-SST & R-VAN-RCS & LCS

1 SITE IRRIGATION PLAN
SCALE: 1" = 20'-0"

SCALE 1" = 20' - 0"
0 0 20 40

TRUE NORTH PLAN NORTH

red oak DESIGN GROUP

LANDSCAPE ARCHITECTURE
SITE PLANNING
CONSULTING

WWW.REDOAKDESIGNGROUP.COM

2415 Town Center Drive, SUITE 150
Sugar Land, Tx 77478
713.936.2001

THE DRAWING IS THE PROPERTY OF RED OAK DESIGN GROUP, LLC & SHALL NOT BE COPIED OR REPRODUCED IN ANY MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF RED OAK DESIGN GROUP, LLC.

IF USED WHOLLY OR PARTIALLY ON WORK OTHER THAN THAT PURSUANT BY RED OAK DESIGN GROUP, LLC, THE OWNER AGREES TO INDEMNIFY AND HOLD HARMLESS RED OAK DESIGN GROUP, LLC.

WHILE EVERY EFFORT HAS BEEN TAKEN IN THE PREPARATION OF THE PLANS, THE CONTRACTOR, THE OWNER AND COMPANY CANNOT GUARANTEE AGAINST HUMAN ERROR. THE CONTRACTOR SHALL NOTIFY RED OAK DESIGN GROUP, LLC OF ERRORS AND MISTAKES AND REPORT ANY DISCREPANCIES TO RED OAK DESIGN GROUP, LLC.

NO.	DATE:	REVISION:
1	11/17/23	INITIAL ISSUE

STATE OF LOUISIANA
KENNETH PRIESMEYER
REG. NO. 1256
LICENSED
LANDSCAPE ARCHITECT
11/17/2023

PROJECT TEAM:
ARCHITECTS - DRAWINGS
ENERGY ARCHITECTURE

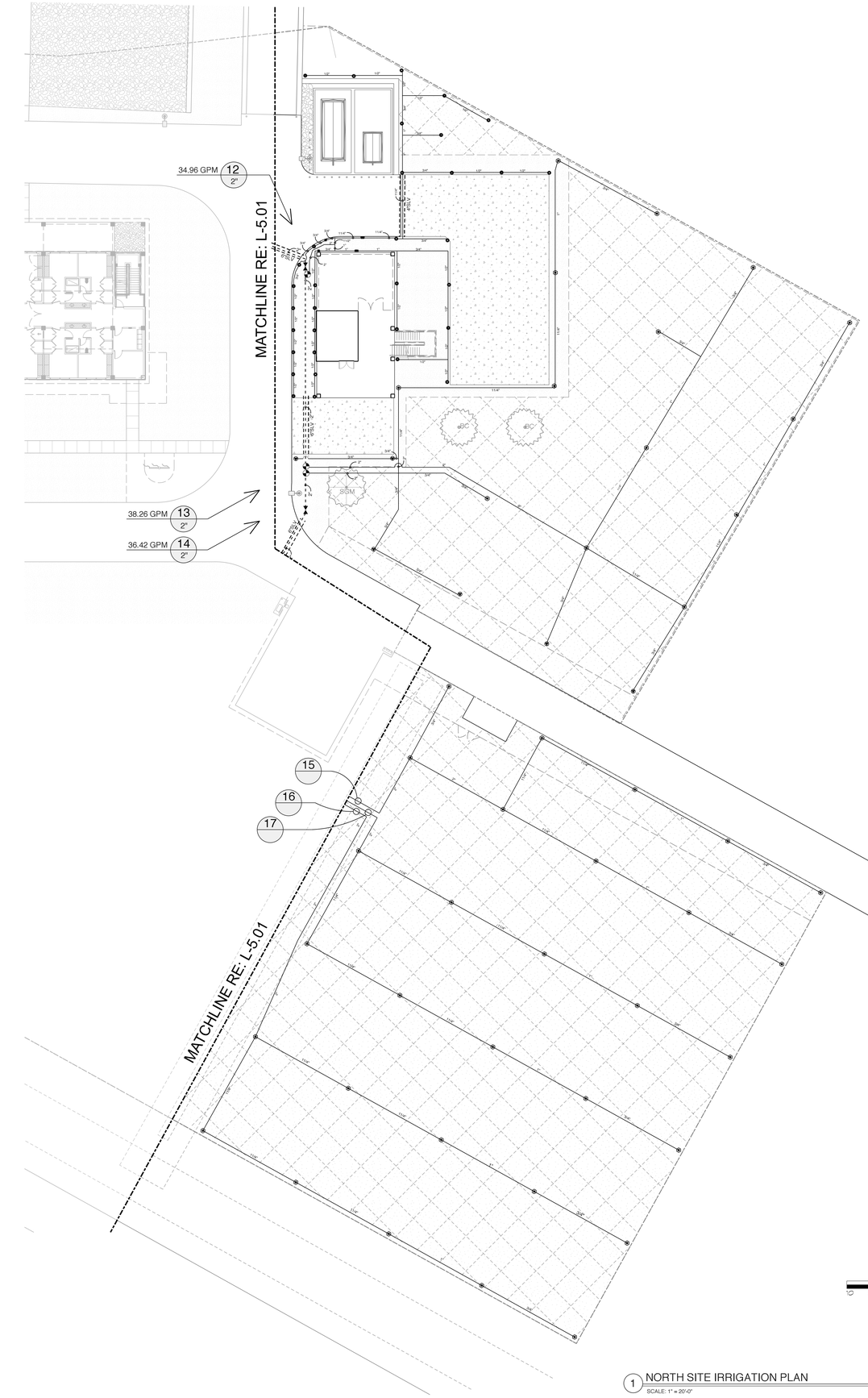
SCALE: SEE PLAN
DRAWN BY:
CHK'D BY:
DATE:
PROJECT NO:

CLIENT:
LAKE CHARLES PILOTS
DAVIS RD.
CAMERON, LA 70631

PROJECT NAME:
CAMERON PARISH
LAKE CHARLES
LODGE AND DOCK FACILITY

SHEET TITLE:
IRRIGATION PLAN
SITE PLAN

SHEET NUMBER:
L5.01



IRRIGATION LEGEND

SYMBOL	MANUFACTURER/ MODEL NUMBER
C	CONTROLLER - RAINBIRD MODEL # ESP-ME3 - 2 WIRE CONTROLLER. FINAL LOCATION TO BE DETERMINED DURING CONSTRUCTION. COORDINATE ANY ELECTRICAL WITH CONTRACTOR. *** PROVIDE ADDTIONAL - (2) ESP-SM6 & (1) ESP-SM3 MODULES
RS	RAIN SENSOR - RAINBIRD WR2 WIRELESS SENSOR or HUNTER SENSOR.
M	2" IRRIGATION METER - GC CONTRACTOR TO HAVE PURCHASE AND INSTALLED FOR LANDSCAPE CONTRACTOR.
	POINT OF CONNECTION
	BACKFLOW PREVENTOR - 2" FEBCO MODEL NUMBER 765 PRESSURE VACUUM BREAKER ASSEMBLEY AS ALLOWABLE BY PREVAILING CODE TO BE PROVIDED AND INSTALLED BY IRRIGATION CONTRACTOR
	MASTER VALVE - 2" SUPERIOR / BUCKNER MODEL 3100-200 W/ LXIVMSOL
ICV	ISOLATION VALVE - 2" RAINBIRD PEB OR AS NOTED ON PLAN.
FS	FLOW SENSOR - RAINBIRD FLOW SENSOR; MODEL FD-300-F* W/ LXIVMSEN. SIZE PER LINE.
	MANUAL VALVE - BALL VALVE SIZE PER LINE
	REMOTE CONTROL VALVE : SIZE PER ZONE REQUIREMENT - RAINBIRD-PEB-IVM-PRS-D SERIES.
	DRIP CONTROLLER VALVE - SIZE PER PLAN. NOTE: EACH DRIP REMOTE CONTROL VALVE INSTALLED WITH A LXIVMSOL INTEGATED VALVE MODULE W/ 2-WIRE DECODER/SOLENOID. RAINBIRD-XCZ-100-PRB-COM W/ LXIVMSOL & RAINBIRD-150-PEB-PRS-D W/ LXIVMSOL W/ LCRBY 150H HIGH CAPACITY DISC FILTER (20-75 GMP)
4"SLV. and 6"SLV	SCHEDULE 40 PVC SLEEVES, 4" & 6"
	MAINLINE - 3" CLASS 200 PVC PIPE
	LATERAL LINE - CLASS 200 PVC (SEE SHEETS FOR SIZING)
	-- SPRAY ROTOR HEADS - RAINBIRD R-VAN SERIES NOZZLES ON 1800SAM-P4S spray bodies for lawn areas
	R-VAN14 - R-6'-14'
	R-VAN18 - R-13'-18'
	R-VAN24 - R-17'-24'
5' x 30' 5' x 15'	R-VAN-SST & R-VAN-RCS & LCS
	-- ROTOR HEADS - RAINBIRD 5000 SERIES NOZZLES
	27' R - 1.0 LA NOZZLE
	35 R - 1.5 NOZZLE
	40' R - 3.0 NOZZLE
	42' R - 4.0 NOZZLE
	5000 - MPR - 25 ' R
	5000 - MPR - 35' R
	DRIP IRRIGATION LINE - RAINBIRD XFD-06-18 ON SURFACE DRIPLINE. SPACING ON DRIPLINES IS 18" O.C. INSTALL TWO ROWS OF DRIP LINE EVENLY SPACED. USE RAINBIRD XFS-06-18. IF BEDS AREA EXCEEDS 36", INSTALL THREE ROWS EVENLY SPACED. INSTALL STAPLES @ MAX 3' O.C. TO SECURE.
	DRIP IRRIATION ZONE CONNECTION POINT
	DRIP IRRIATION OPERATION INDICATOR - RAINBIRD-OPERIND (not shown graphically) INSTALL (2) PER DRIP ZONE BED, INSTALL INDICATOR ON EACH BUILDING FACE MIN.
	DRIP IRRIGATION - FLUSH POINT (INSTALL PER FACTORY RECOMMENDATION)
PRV	DRIP IRRIGATION - RAINBIRD AIR VACUUM RELIEF VALVE KIT - ARV050: 1/2" AIR RELIEF VALVE (not shown graphically) - INSTALL PER FACTORY RECOMMENDATION
FP	DRIP IRRIGATION - FLUSH POINT (shown graphically) - INSTALL PER FACTORY RECOMMENDATION

1 NORTH SITE IRRIGATION PLAN
SCALE: 1" = 20'-0"

red oak
DESIGN GROUP

LANDSCAPE ARCHITECTURE
SITE PLANNING
CONSULTING

WWW.REDOAKDESIGNGROUP.COM

2415 Town Center Drive, SUITE 150
Sugar Land, Tx 77478
713.936.2001

THIS DRAWING IS THE PROPERTY OF RED OAK DESIGN GROUP, LLC AND SHALL NOT BE COPIED OR REPRODUCED IN ANY FASHION WITHOUT THE EXPRESS CONSENT OF RED OAK DESIGN GROUP, LLC.

IF USED WHOLLY OR PARTIALLY ON WORKS OTHER THAN THAT FURNISHED BY RED OAK DESIGN GROUP, LLC, THE AUTHOR RESERVES TO THEMSELVES COMMON LAW COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS, IDEAS AND DESIGNS FURNISHED BY RED OAK DESIGN GROUP, LLC. THE AUTHOR RETAINS ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING THE COPYRIGHT, IN THESE PLANS, IDEAS AND DESIGNS. THESE PLANS, IDEAS AND DESIGNS ARE NOT TO BE USED BY ANY PERSON, FIRM OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN CONSENT OF RED OAK DESIGN GROUP, LLC.

NO.	DATE:	REVISION:
1	11/17/23	INITIAL ISSUE

STATE OF LOUISIANA
KENNETH PRIESMEYER
LICENSED
REG. NO. 5494
LANDSCAPE ARCHITECT
11/17/2023

PROJECT TEAM:
ARCHITECTS / DRAWING
ENERGY ARCHITECTURE

SCALE: SEE PLAN
DRAWN BY:
CHK'D BY:
DATE:
PROJECT NO:

CLIENT:
LAKE CHARLES PILOTS
DAVIS RD.
CAMERON, LA 70631

PROJECT NAME:
CAMERON PARISH
LAKE CHARLES
LODGE AND DOCK FACILITY

SHEET TITLE:
IRRIGATION PLAN
NORTH SITE PLAN

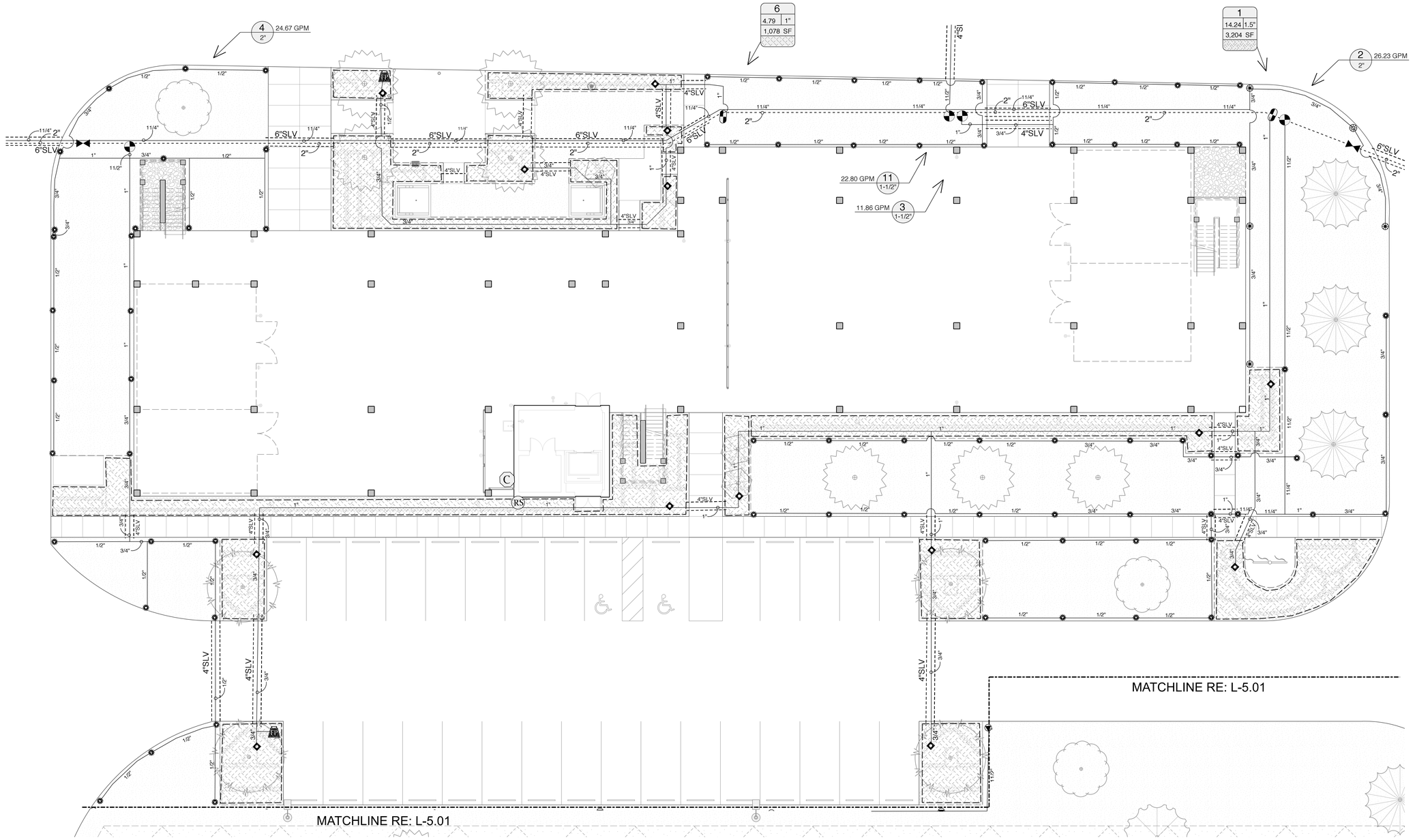
SHEET NUMBER:
L5.02

IRRIGATION LEGEND

SYMBOL	MANUFACTURER/ MODEL NUMBER
C	CONTROLLER - RAINBIRD MODEL # ESP-ME3 - 2 WIRE CONTROLLER. FINAL LOCATION TO BE DETERMINED DURING CONSTRUCTION. COORDINATE ANY ELECTRICAL WITH CONTRACTOR. *** PROVIDE ADDTIONAL - (2) ESP-SM6 & (1) ESP-SM3 MODULES
RS	RAIN SENSOR - RAINBIRD WR2 WIRELESS SENSOR or HUNTER SENSOR.
M	2" IRRIGATION METER - GC CONTRACTOR TO HAVE PURCHASE AND INSTALLED FOR LANDSCAPE CONTRACTOR.
	POINT OF CONNECTION
	BACKFLOW PREVENTOR - 2" FEBCO MODEL NUMBER 765 PRESSURE VACUUM BREAKER ASSEMBLEY AS ALLOWABLE BY PREVAILING CODE TO BE PROVIDED AND INSTALLED BY IRRIGATION CONTRACTOR
ICV	MASTER VALVE - 2" SUPERIOR / BUCKNER MODEL 3100-200 W/ LXIVMSOL
	ISOLATION VALVE - 2" RAINBIRD PEB OR AS NOTED ON PLAN.
FS	FLOW SENSOR - RAINBIRD FLOW SENSOR; MODEL FD-300-P W/ LXIVMSEN. SIZE PER LINE.
	MANUAL VALVE - BALL VALVE SIZE PER LINE
	REMOTE CONTROL VALVE : SIZE PER ZONE REQUIREMENT - RAINBIRD-PEB-IVM-PRS-D SERIES.
	DRIP CONTROLLER VALVE - SIZE PER PLAN. NOTE: EACH DRIP REMOTE CONTROL VALVE INSTALLED WITH A LXIVMSOL INTEGATED VALVE MODULE W/ 2-WIRE DECODER/SOLENOID.
	RAINBIRD-XCZ-100-PRB-COM W/ LXIVMSOL & RAINBIRD-150-PEB-PRS-D W/ LXIVMSOL W/ LCRBY 150H HIGH CAPACITY DISC FILTER (20-75 GMP)
4"SLV and 6"SLV	SCHEDULE 40 PVC SLEEVES, 4" & 6"
	MAINLINE - 3" CLASS 200 PVC PIPE
	LATERAL LINE - CLASS 200 PVC (SEE SHEETS FOR SIZING)

SYMBOL	MANUFACTURER/ MODEL NUMBER
	– SPRAY ROTOR HEADS - RAINBIRD R-VAN SERIES NOZZLES ON 1800SAM-P45 spray bodies for lawn areas
	R-VAN14 - R-8'-14'
	R-VAN18 - R-13'-18'
	R-VAN24 - R-17'-24'
5' x 30' 5' x 15'	R-VAN-SST & R-VAN-RCS & LCS
	– ROTOR HEADS - RAINBIRD 5000 SERIES NOZZLES
	27' R - 1.0 LA NOZZLE
	35 R - 1.5 NOZZLE
	40' R - 3.0 NOZZLE
	42' R - 4.0 NOZZLE
	5000 - MPR - 25 ' R
	5000 - MPR - 35' R

SYMBOL	MANUFACTURER/ MODEL NUMBER
	DRIP IRRIGATION LINE - RAINBIRD XFD-06-18 ON SURFACE DRIPLINE. SPACING ON DRIPLINES IS 18" O.C. INSTALL TWO ROWS OF DRIP LINE EVENLY SPACED. USE RAINBIRD XFS-06-18. IF BEDS AREA EXCEEDS 36", INSTALL THREE ROWS EVENLY SPACED. INSTALL STAPLES @ MAX 3' O.C. TO SECURE.
	DRIP IRRIATION ZONE CONNECTION POINT
	DRIP IRRIATION OPERATION INDICATOR - RAINBIRD-OPERIND (not shown graphically) INSTALL (2) PER DRIP ZONE BED, INSTALL INDICATOR ON EACH BUILDING FACE MIN.
	DRIP IRRIGATION - FLUSH POINT (INSTALL PER FACTORY RECOMMENDATION)
PRV	DRIP IRRIGATION - RAINBRD AIR VACUUM RELIEF VALVE KIT - ARV050; 1/2" AIR RELIEF VALVE (not shown graphically) - INSTALL PER FACTORY RECOMMENDATION
FP	DRIP IRRIGATION - FLUSH POINT (shown graphically) - INSTALL PER FACTORY RECOMMENDATION



1 BUILDING PAD IRRIGATION PLAN
SCALE: 1" = 20'-0"

SCALE 1" = 10' - 0"
5' 0 10' 20'

red oak DESIGN GROUP

LANDSCAPE ARCHITECTURE
SITE PLANNING
CONSULTING

WWW.REDOAKDESIGNGROUP.COM

2415 Town Center Drive, SUITE 150
Sugar Land, Tx 77478
713.936.2001

THIS DRAWING IS THE PROPERTY OF RED OAK DESIGN GROUP, LLC. IT SHALL NOT BE COPIED OR REPRODUCED IN ANY MANNER WHATSOEVER WITHOUT THE WRITTEN CONSENT OF RED OAK DESIGN GROUP, LLC.

IF USED WITHOUT THE PARTIES IN WORK OTHER THAN THAT PURPOSED BY RED OAK DESIGN GROUP, LLC. PRELIMS IS RESERVED TO MAKE A CHARGE FOR DISBURSE COSTS.

WHILE EVERY ATTEMPT HAS BEEN MADE TO DESIGN THE PREMISES SO IT HAS FLAT TO AVOID PONDING, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THAT ALL PAVED AREAS DRAIN AS DESIGNED. IF ANY AREAS ARE FOUND TO HOLD WATER, THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE AND CORRECT ALL SUCH DEFICIENCIES AT NO ADDITIONAL COST TO THE OWNER. RED OAK DESIGN GROUP, LLC

NO.	DATE:	REVISION:
1	11/17/23	INITIAL ISSUE

STATE OF LOUISIANA
KENNETH PRIESMEYER
REG. NO. 7456
LICENSED
LANDSCAPE ARCHITECT
11/7/2023

PROJECT TEAM:
ARCHITECTS - ENGINEERS
ENERGY ARCHITECTURE

SCALE: SEE PLAN
DRAWN BY:
CHK'D BY:
DATE:
PROJECT NO:

CLIENT:
LAKE CHARLES PILOTS
DAVIS RD.
CAMERON, LA 70631

PROJECT NAME:
CAMERON PARISH
LAKE CHARLES
LODGE AND DOCK FACILITY

SHEET TITLE:
IRRIGATION PLAN
BUILDING PAD

SHEET NUMBER:
L5.03