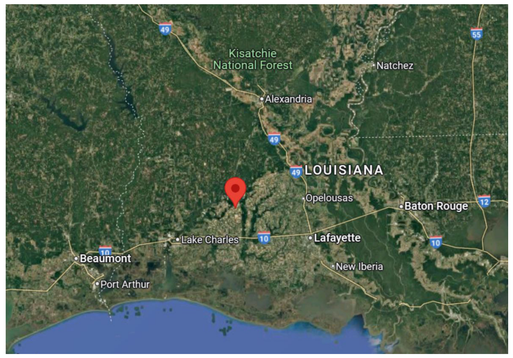
COUSHATTA TRIBE - EDUCATION BUILDING

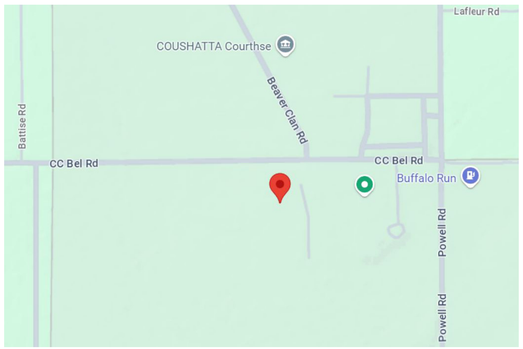
2025.12.05 - BID SET

PROJ: 24.0002607.000
COUSHATTA TRIBE OF LOUISIANA
1950 CC BEL RD
ELTON, LA 70532



LOCATIONAL MAP
ELTON, LA (70532)

TRUE & PROJECT NORTH



VICINITY MAP
SITE = 30.52438°N, 92.71456W

TRUE & PROJECT NORTH

PROJECT SCOPE DESCRIPTION:

THIS PROJECT CONSISTS OF A NEW EDUCATIONAL ASSISTANCE BUILDING FOR THE COUSHATTA TRIBE OF APPROXIMATELY 12,000 GSF. THE BUILDING WILL HOUSE ADMINISTRATIVE OFFICES, TECH LAB, CLASSROOMS, A COMMERCIAL KITCHEN, BREAK ROOM, STORAGE, AND MULTIPURPOSE ROOMS. AN EXTERIOR TALKING CIRCLE AREA WILL BE LOCATED OUTSIDE ADJACENT AND EAST OF THE BUILDING.

APPLICABLE CODES:

CONSTRUCTION CODE:	LOUISIANA STATE UNIFORM CONSTRUCTION CODE, 2022
BUILDING CODE	INTERNATIONAL BUILDING CODE (IBC), 2021 EDITION INTERNATIONAL EXISTING BUILDING CODE (IEBC), 2021 EDITION
FUEL CODE:	INTERNATIONAL FUEL GAS CODE (IFGC), 2021 EDITION
MECHANICAL CODE:	INTERNATIONAL MECHANICAL CODE (IMC), 2021 EDITION
PLUMBING CODE:	INTERNATIONAL PLUMBING CODE (IPC), 2021 EDITION
ELECTRICAL CODE:	NATIONAL ELECTRIC CODE (NEC), 2020 EDITION
ENERGY CODE:	INTERNATIONAL ENERGY CONSERVATION CODE (IECC), 2021 EDITION
LIFE SAFETY:	NFPA 101 LIFE SAFETY CODE, 2015 EDITION
FIRE CODE:	NATIONAL FIRE CODE - NFPA 101 LIFE SAFETY CODE, 2015 EDITION
ACCESSIBILITY CODE:	AMERICANS WITH DISABILITIES ACT AND ARCHITECTURAL BARRIERS ACT (ADA-ABA) ACCESSIBILITY GUIDELINES, 2010 STANDARD

JURISDICTION: COUSHATTA TRIBAL COUNCIL

CODE SUMMARY:

GENERAL

CONSTRUCTION TYPE:	IIB NON-SPRINKLERED
USE GROUPS:	NON-SEPARATED MIXED OCCUPANCIES (IBC 508.3.1) BUSINESS (B) - PRIMARY ASSEMBLY (A2) STORAGE (S1)
MAX. ALLOWABLE AREA:	36,000 SF
PROPOSED AREA:	11,662 GSF
MAX. ALOWABLE HEIGHT:	60-0" TWO STORIES
PROPOSED HEIGHT:	20'-3" ONE STORY

EGRESS / FIRE / LIFE SAFETY

OCCUPANCY LOAD FACTORS (IBC 2021 - TABLE 1004.5):

ACCESSORY STORAGE, MECHANICAL, AND EQUIPMENT ROOMS	1 OCC PER 300 SF GROSS
ASSEMBLY	
UN-CONCENTRATED (W/OUT FIXED SEATING)	1 OCC PER 15 SF NET
BUSINESS	1 OCC PER 150 SF GROSS
COMMERCIAL KITCHEN	200 SF GROSS
STORAGE	300 SF GROSS

MAXIMUM TRAVEL DISTANCE

BUSINESS	300 FT

MAXIMUM COMMON PATH DISTANCE

BUSINESS	100 FT

MAXIMUM DEAD-END LIMIT

BUSINESS	50 FT

OCCUPANCY FIRE SEPARATION

BUSINESS:	NOT REQUIRED

BUILDING COMPONENT FIRE PROTECTION

PRIMARY STRUCTURAL FRAME	0 HR
BEARING WALL-INTERIOR	0 HR
BEARING WALL-EXTERIOR	0 HR
NON-BEARING WALLS - INTERIOR	0 HR
FLOOR/CEILING	0 HR (INCLUDES SUPPORTING MEMBERS)
ROOF/CEILING	0 HR (INCLUDES SUPPORTING MEMBERS)

NON-BEARING EXTERIOR WALLS - **PROPERTY IS >30 FROM ALL CURRENT AND EXISTING STRUCTURES, TYP.**

LESS THAN 5FT TO PROPERTY LINE	1 HR (A AND B USE)
LESS THAN 10FT TO PROPERTY LINE	1 HR (A AND B USE)
LESS THAN 30FT TO PROPERTY LINE	0 HR (A AND B USE)
GREATER THAN 30FT TO PROPERTY LINE	0 HR (A AND B USE)

BUILDING ENVELOPE
REQUIREMENTS (PERSCRIPTIVE, PER IECC 2021)

CLIMATE ZONE: 2A

ROOF:	R-25 CI	
METAL FRAMED:	R-13 & R-5 CI,U-0.077	
SLAB ON GRADE:	NO REQUIREMENT	
FLOOR/CEILING	N/A	
OPAQUE DOORS		
NON-SWINGING	R-4.75	
SWINGING	U-0.61	
FENESTRATION		
FIXED	U-0.46	PROVIDED U-0.24
OPERABLE	U-0.60	
ENTRY DOORS	U-0.77	PROVIDED U-0.77
SOLAR HEAT GAIN COEFFICIENT		
PF < 0.2	0.25 (SEW) 0.33 (N)	PROVIDED 0.25 (SEW) 0.35 (N)
0.2 < PF < 0.5	0.30 (SEW) 0.37 (N)	PROVIDED 0.25 (SEW) 0.35 (N)
PF > 0.5	0.40 (SEW) 0.40 (N)	PROVIDED 0.25 (SEW) 0.35 (N)

AIR BARRIER
MATERIALS
MAX. PERMEABILTY 0.004 cfm/sf UNDER A PRESSURE DIFFERENTIAL OF 0.3 INCH WATER GAUGE WHEN TESTED PER ASTM E 2178
ASSEMBIES
MAX. AVERAGE AIR LEAKAGE 0.04 cfm/sf UNDER A PRESSURE DIFFERENTIAL OF 0.3 INCH WATER GAUGE WHEN TESTED PER ASTM E 2357, ASTM E 1677, OR ASTM E 283

DEFFERRED SUBMITTALS:

DEFERRED SUBMITTAL DOCUMENTS SHALL BE SUBMITTED TO THE ARCHITECT OR ENGINEER-OF-RECORD, WHO SHALL REVIEW THEM AND FORWARD THEM TO THE AUTHORITY HAVING JURISDICTION WITH NOTATION THAT THEY HAVE BEEN REVIEWED AND HAVE BEEN FOUND TO BE IN GENERAL CONFORMANCE WITH THE DESIGN OF THE BUILDING OR STRUCTURE. THE DEFERRED ITEMS SHALL NOT BE INSTALLED UNTIL THEIR DESIGN SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND APPROVED BY THE BUILDING OFFICIAL.

1. FIRE ALARM PLANS
2. SIGNAGE PACKAGE/SUBMITTAL

DRAWING INDEX

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COUSHATTA TRIBE OF LOUISIANA

COUSHATTA TRIBE - EDUCATION BUILDING

1950 CC BEL RD
ELTON, LA 70532

Issue:	No:	Date:
BID SET		2025.12.05

ROBERT J SULLIVAN
REG. NO. 10060
STATE OF LOUISIANA
REGISTERED ARCHITECT
12/09/2025

ARCHITECT
LIC#:

Proj #: 24.0002607.000 Reviewed By:

COVER SHEET

G00.00

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT THIS SHEETS ORIGINAL PAGE SIZE

K Y M C

THE SQUARES ABOVE ARE COLOR, WITH BLACK AND WHITE LETTERS, IF PRINTED CORRECTLY

12/10/2025 5:23:38 PM Autodesk Docs://Coushatta Education Building/ARCH-Coushatta-.rvt

ABBREVIATIONS

THESE ABBREVIATIONS ARE BASED ON STANDARD ABBREVIATIONS THAT ARE USED IN CONSTRUCTION. HOWEVER, ALL ABBREVIATIONS MUST BE REVIEWED IN CONTEXT AND FINAL INTERPRETATION IS BY THE ARCHITECT. NOT ALL ABBREVIATIONS THAT ARE LISTED ARE USED IN THE ATTACHED DOCUMENTS.

Key Name	Full Word
"	INCHES
#	POUND OR NUMBER
&	AND
'	FOOT (FEET)
(E)	EXISTING
356	
360	
<	ANGLE
@	AT
CL	CENTERLINE
A/C	AIR CONDITIONING
AAD	ATTIC ACCESS DOOR
AAP	ATTIC ACCESS PANEL
AB	ANCHOR BOLT
ABV	ABOVE
ACOUS	ACOUSTICAL
ACT	ACOUSTICAL CEILING TILE
AD	AREA DRAIN, ACOUSTIC DIMENSIONS
ADA	AMERICANS WITH DISABILITIES ACT
ADD	ADDENDUM, ADDITION
ADJ	ADJUSTABLE, ADJUSTMENT
ADO	AUTOMATIC DOOR OPERATOR
AFF	ABOVE FINISHED FLOOR
AGGR	AGGREGATE
ALT	ALTERNATE
ALUM	ALUMINUM
AMSMV	ADHERED MANUFACTURED STONE MASONRY VENEER
AOR	AREA OF REFUGE
AP	ACCESS PANEL
APPROX	APPROXIMATE
APT	APARTMENT
ARCH	ARCHITECT, ARCHITECTURAL
ASB	ASBESTOS
ASPH	ASPHALT
BATH	BATHROOM
BD	BOARD
BEL	BELOW
BITUM	BITUMINOUS
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BM	BEAM
BM	BENCHMARK
BOF	BOTTOM OF FOOTING
BOH	BACK OF HOUSE
BOP	BOTTOM OF PLATE
BOT	BOTTOM
BOW	BOTTOM OF WALL
BPL	BEARING PLATE
BR	BEDROOM
BRG	BEARING
BRK	BRICK
BSMT	BASEMENT
BUR	BUILT-UP ROOFING
CAB	CABINET
CB	CATCH BASIN
CEM	CEMENT
CER	CERAMIC
CF	CUBIC FOOT
CFM	CUBIC FEET PER MINUTE
CG	CORNER GUARD
CH	COAT HOOK
CI	CAST IRON
CJ	CONTROL JOINT
CL	CENTERLINE, CLEARANCE
CLG	CEILING
CLKG	CAULKING
CLOS	CLOSET
CLR	CLEAR(ANCE)
CMT	CERAMIC MOSAIC TILE
CMU	CONCRETE MASONRY UNIT
CNTR	COUNTER
CO	CASED OPENING, CLEAN OUT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
CORR	CORRIDOR, CORRUGATED
CPT	CARPET
CR	CHAIR RAIL
CRS	COLD ROLLED STEEL
CSMT	CASEMENT
CT	CERAMIC TILE
CTR	CENTER, COUNTER
CTSK	COUNTERSUNK
CW	CURTAIN WALL
CY	CUBIC YARD
D	DRYER, DISPOSAL
DB	DECIBEL
DBL	DOUBLE
DEMO	DEMOLISH
DEPT	DEPARTMENT
DET, DTL	DETAIL
DF	DRINKING FOUNTAIN
DH	DOUBLE HUNG
DIA	DIAMETER
DIAG	DIAGONAL
DIFF	DIFFUSER
DIM	DIMENSION
DISP	DISPENSER
DIV	DIVISION
DL	DEAD LOAD
DN	DOWN
DO	DOOR OPENING
DR	DOOR
DS	DOWNSPOUT
DSP	DRY STANDPIPE
DW	DISHWASHER
DWG	DRAWING
DWR	DRAWER
E	EAST
EA	EACH
EF	EXHAUST FAN
EHW	ENGINEERED HARDWOOD
EIFS	EXTERIOR INSULATED FINISHING SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMER	EMERGENCY
ENCL	ENCLOSURE
ENG	ENGINEER
ENT	ENTRANCE
EOC	EDGE OF CARPET
EOS	EDGE OF SLAB
EP	ELECTRICAL PANELBOARD
EQ	EQUAL
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPANSION, EXPOSED
EXT	EXTERIOR
F	FARENHEIT
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL

Key Name	Full Word
FAS	FASTEN
FB	FLAT BAR
FCB	FIBER-CEMENT BOARD
FD	FLOOR DRAIN
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISHED FLOOR
FF&E	FURNITURE, FIXTURES & EQUIPMENT
FFS	FACE OF FINISHED SURFACE
FGL	FIBERGLASS
FHC	FIRE HOSE CABINET
FIN	FINISH(ED)
FIXT	FIXTURE
FJ	FLOOR JOIST
FLASH	FLASHING
FLR	FLOOR
FLUOR	FLUORESCENT
FOB	FACE OF BRICK
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOH	FRONT OF HOUSE
FOS	FACE OF STUD
FP	FIREPLACE
FPRF	FIREPROOF
FR	FIRE RATED
FRIG	REFRIGERATOR
FRMG	FRAMING
FRT	FIRE RETARDANT TREATED
FS	FULL SIZE
FT	FOOT OR FEET
FTG	FOOTING
FURN	FURNISH(ING), FURNITURE
FURR	FURRING
FUT	FUTURE
FWC	FABRIC WALL COVERING
GA	GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GDR	GUARD RAIL
GFCI	GROUND FAULT CIRCUIT INTERRUPT
GFI	GROUND FAULT INTERRUPT
GFRC	GLASS FIBER REINFORCED CONCRETE
GI	GALVANIZED IRON
GL	GLASS, GLAZED, GLAZING
GND	GROUND
GOVT	GOVERNMENT
GR	GRADE
GWB	GYPSUM WALLBOARD
GYP BD	GYPSUM BOARD
H	HIGH
HB	HOSE BIB
HC	HANDICAP, HOLLOW CORE
HCW	HOLLOW WOOD CORE
HD	HEAVY DUTY
HDR	HEADER
HDW	HARDWARE
HM	HOLLOW METAL
HO	HOLD OPEN
HORIZ	HORIZONTAL
HP	HIGH POINT
HR	HOUR, HANDRAIL
HT	HEIGHT
HTG	HEATING
HVAC	HEATING, VENTILATION AND AIR CONDITIONING
HW	HOT WATER
HWD	HARDWOOD
HWH	HOT WATER HEATER
IBC	INTERNATIONAL BUILDING CODE
ID	INSIDE DIAMETER
IN	INCH
INCL	INCLUDE, INCLUDING
IND	INDUSTRIAL
INFO	INFORMATION
INSUL	INSULATION, INSULATE
INT	INTERIOR, INTERNAL
INV	INVERT
J	JOIST
JAN	JANITOR
JCT	JUNCTION
JST	JOIST
JT	JOINT
KDN	KNOCKDOWN
KIT	KITCHEN
KO	KNOCKOUT
KP	KICK PLATE
L	LENGTH, LONG
LA	LANDSCAPE ARCHITECT
LAB	LABORATORY
LAD	LADDER
LAM	LAMINATE(D)
LAV	LAVATORY
LBL	LABEL
LBR	LUMBER
LD	LINEAR DIFFUSER
LF	LINEAR FOOT
LH	LEFT HAND
LIN	LINEAR, LINEN
LKR	LOCKER
LL	LIVE LOAD
LNDG	LANDING
LNT	LINTEL
LOC	LOCATION
LP	LOW POINT
LR	LIVING ROOM
LT	LIGHT
LTWT	LIGHTWEIGHT
LUM	LUMINOUS
LV	LOW VOLTAGE
LVR	LOUVER
LVT	LUXURY VINYL TILE
M	METER
MACH	MACHINE
MAINT	MAINTENANCE
MAN	MANUAL
MAS	MASONRY
MAT	MATERIAL
MAX	MAXIMUM
MB	MARKER BOARD
MC	MEDICINE CABINET
MDF	MEDIUM DENISTY FIBER BOARD
MDO	MEDIUM DENSITY OVERLAY
MECH	MECHANICAL
MEMB	MEMBRANE
MEZZ	MEZZANINE
MFD	MANUFACTURED
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MLD	MOLDING
MM	MILLIMETER
MO	MASONRY OPENING
MOD	MODULAR

Key Name	Full Word
MOV	MOVABLE
MR	MOISTURE RESISTANT
MRT	MOISTURE RESISTANCE TREATED
MTD	MOUNTED
MTL	METAL
MULL	MULLION
MULT	MULTIPLE
MWK	MILLWORK
N	NORTH
N/A	NOT APPLICABLE
NAT	NATURAL
NEC	NATIONAL ELECTRIC CODE
NEO	NEOPRENE
NIC	NOT IN CONTRACT
NO or #	NUMBER
NOM	NOMINAL
NR	NOISE REDUCTION
NRC	NOISE REDUCTION COEFFICIENT
NS	NON-SLIP
NTS	NOT TO SCALE
O/A	OVERALL
O/H	OVERHEAD
O/O	OUT TO OUT
OBS	OBSCURE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF/CI	OWNER FURNISHED/ CONTRACTOR INSTALLED
OF/OI	OWNER FURNISHED/ OWNER INSTALLED
OFF	OFFICE
OH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
OSB	ORIENTED STRAND BOARD
PAN	PANTRY
PAR	PARALLEL
PAV	PAVEMENT
PB	PARTICLE BOARD
PCF	POUNDS PER CUBIC FOOT
PED	PEDESTAL, PEDESTRIAN
PERF	PERFORATE(D)
PERIM	PERIMETER
PERP	PERPENDICULAR
PKG	PARKING
PL	PLATE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLBG	PLUMBING
PLF	POUNDS PER LINEAR FOOT
PLYWD	PLYWOOD
PNL	PANEL
PR	PAIR
PRCST	PRE-CAST
PREFAB	PREFABRICATED
PREFIN	PREFINISHED
PREP	PREPARATION
PROD	PRODUCTION
PROJ	PROJECT(OR), PROJECTION
PS	PROJECTION SCREEN
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE TREATED
PTD	PAINTED, PAPER TOWEL DISPENSER
PTD/R	COMBO. PAPER TOWEL DISPENSER & RECEPTACLE
PTN	PARTITION
PTR	PAPER TOWEL RECEPTACLE
PVC	POLYVINYL CHLORIDE
PWR	POWER
QT	QUARRY TILE
QTR	QUARTER
QTY	QUANTITY
QUAD	QUADRANT
R	RISER, RISE
RA	RETURN AIR
RAD	RADIUS
RB	RUBBER BASE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REBAR	REINFORCING BAR
REC	RECESSED
RECPT	RECEPTION, RECEPTACLE
REF.	REFRIGERATOR
REF:	REFER TO, REFERENCE
REINF	REINFORCED
REPRO	REPRODUCE, REPRODUCTION
REQD	REQUIRED
RESIL	RESILIENT
RET	RETURN
REV	REVISE, REVISION
RGTR	REGISTER
RH	RIGHT HAND
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RS	ROD & SHELF
RT	RIGHT
RWD	REDWOOD
RWL	RAIN WATER LEADER
S	SOUTH
S/S	STAINLESS STEEL
SAFB	SOUND ATTENUATING FIRE BLANKET
SAM	SELF-ADHERED MEMBRANE
SAN	SANITARY
SC	SOLID CORE
SCD	SEAT COVER DISPENSER
SCHED	SCHEDULE(D)
SD	SMOKE DETECTOR
SECT	SECTION, SECTOR
SEP	SEPARATE, SEPARATION
SF	SQUARE FOOT (FEET), STOREFRONT
SGD	SLIDING GLASS DOOR
SGL	SINGLE
SH	SHELF, SINGLE HUNG
SHLVG	SHELVING
SHT	SHEET
SHWR	SHOWER
SIM	SIMILAR
SND	SANITARY NAPKIN DISPENSER
SNR	SANITARY NAPKIN RECEPTACLE
SPEC	SPECIFICATION
SQ	SQUARE
SR	SHOWER ROD
SSK	SERVICE SINK
SST	STAINLESS STEEL
ST	STUCCO
STA	STATION
STC	SOUND TRANSMISSION COEFFICIENT
STD	STANDARD
STK	OPEN STACKED SHELVING
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
SURF	SURFACE
SUSP	SUSPEND(ED)
SV	SHEET VINYL
SVC	SERVICE
SW	SHEAR WALL
SYM	SYMETRICAL

Key Name	Full Word
SYS	SYSTEM
T	TREAD(S)
T&B	TOP & BOTTOM
T&G	TONGUE & GROOVE
TB	TOWEL BAR, TACK BOARD, THROUGH BOLT
TC	TOP OF CURB
TEL	TELEPHONE
TEMP	TEMPERED, TEMPERATURE
TER	TERRACE, TERRAZZO
THK	THICK
TLT	TOILET
TOC	TOP OF CONCRETE
TOP	TOP OF PLATE
TOW	TOP OF WALL
TP	TOP OF PAVEMENT
TPH	TOILET PAPER HOLDER
TRTD	TREATED
TS	TUBULAR STEEL
TV	TELEVISION
TYP	TYPICAL
UC	UNDER COUNTER
UL	UNDERWRITERS LABORATORIES, INC.
UNF	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
UTIL	UTILITY
VAR	VARIES, VARIABLE, VARIOUS
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VOL	VOLUME
VP	VINYL PLANK
VWC	VINYL WALL COVERING
W	WEST, WIDE, WIDTH, WASHER
W/	WITH
W/D	WASHER / DRYER
W/O	WITHOUT
WC	WATER CLOSET
WD	WOOD
WDW	WINDOW
WF	WIDE FLANGE
WGL	WIRED GLASS
WH	WATER HEATER
WI	WROUGHT IRON
WIC	WALK IN CLOSET
WP	WATERPROOF(ING)
WR	WATER RESISTANT, WASTE RECEPTACLE
WRB	WEATHER-RESISTANT BARRIER
WS	WEAHTERSTRIPPING
WSCT	WAINSCOT
WT	WEIGHT
YD	YARD

GENERAL NOTES

1. THE WORK SHALL CONFORM TO THE APPLICABLE BUILDING CODE AND OTHER ORDINANCES, CODES AND REGULATIONS LISTED IN THE SPECIFICATIONS OR ON THE DRAWINGS, AND REQUIRED BY LOCAL BUILDING AUTHORITIES. THE GOVERNING CODES, RULES AND REGULATIONS ARE COLLECTIVELY REFERRED TO AS "THE CODE." THE CONTRACTOR SHALL REPORT ANY INCONSISTENCIES, CONFLICTS OR OMISSIONS DISCOVERED TO THE ARCHITECT FOR INTERPRETATION PRIOR TO PERFORMING THE WORK.

2. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE SUB-CONTRACTORS' RECEIPT OF COMPLETE SETS OF THESE DOCUMENTS, AS WELL AS ALL FUTURE ADDENDA, BULLETINS, FIELD DIRECTIVES AND CHANGE ORDERS.

3. ELECTRONIC DOCUMENT SUBMITTAL SERVICE
   A. ALL DOCUMENTS TRANSMITTED FOR PURPOSES OF ADMINISTRATION OF THE CONTRACT ARE TO BE IN ELECTRONIC (PDF) FORMAT, AS APPROPRIATE TO THE DOCUMENT, AND TRANSMITTED VIA AN INTERNET-BASED SUBMITTAL SERVICE (NEWFORMA HOSTED ON THE ARCHITECT'S SERVER) THAT RECEIVES, LOGS AND STORES DOCUMENTS, PROVIDES ELECTRONIC STAMPING AND SIGNATURES, AND NOTIFIES ADDRESSEES VIA EMAIL.
      a. BESIDES SUBMITTALS FOR REVIEW, INFORMATION, AND CLOSEOUT, THIS PROCEDURE APPLIES TO REQUESTS FOR INFORMATION (RFIS), PROGRESS DOCUMENTATION, CONTRACT MODIFICATION DOCUMENTS (E.G. SUPPLEMENTARY INSTRUCTIONS, CHANGE PROPOSALS, CHANGE ORDERS), APPLICATIONS FOR PAYMENT, FIELD REPORTS AND MEETING MINUTES, CONTRACTOR'S CORRECTION PUNCHLIST, AND ANY OTHER DOCUMENT ANY PARTICIPANT WISHES TO MAKE PART OF THE PROJECT RECORD.
      b. CONTRACTOR AND ARCHITECT ARE REQUIRED TO USE THIS SERVICE.
      c. IT IS CONTRACTOR'S RESPONSIBILITY TO SUBMIT DOCUMENTS IN ALLOWABLE FORMAT.
      d. ARCHITECT'S CONSULTANTS WILL BE PERMITTED TO USE THE SERVICE AT NO EXTRA CHARGE.
      e. USERS OF THE SERVICE NEED AN EMAIL ADDRESS, INTERNET ACCESS, AND PDF REVIEW SOFTWARE THAT INCLUDES ABILITY TO MARK UP AND APPLY ELECTRONIC STAMPS (SUCH AS ADOBE ACROBAT, WWW.ADOBE.COM, OR BLUEBEAM PDF REVU, WWW.BLUEBEAM.COM).
      f. PAPER DOCUMENT TRANSMITTALS WILL NOT BE REVIEWED.
      g. ALL OTHER SPECIFIED SUBMITTAL AND DOCUMENT TRANSMISSION PROCEDURES APPLY, EXCEPT THAT ELECTRONIC DOCUMENT REQUIREMENTS DO NOT APPLY TO SAMPLES OR COLOR SELECTION CHARTS.
      h. THIS SERVICE IS AVAILABLE AT NO CHARGE FOR THE CONTRACTOR TO TRANSMIT SUBMITTALS AND RFIS AND IS SOLELY INTENDED FOR ARCHITECT'S RECEIPT AND DISTRIBUTION PURPOSES ONLY. NO DOCUMENTS WILL BE STORED FOR TEAM RETRIEVAL ON THIS SITE.
   B. PROJECT CLOSEOUT: ARCHITECT WILL DETERMINE WHEN TO TERMINATE THE SERVICE FOR THE PROJECT.
   C. PROJECT CLOSEOUT: CONTRACTOR IS RESPONSIBLE FOR OBTAINING ARCHIVE COPIES OF FILES FOR OWNER AND ARCHITECT.

4. BIDDERS, BEFORE SUBMITTING PROPOSALS, SHALL VISIT AND CAREFULLY EXAMINE THE AREA AFFECTED BY THE WORK TO FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS AND THE DIFFICULTIES THAT WILL AFFECT THE EXECUTION OF THE WORK. SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT SUCH AN EXAMINATION HAS BEEN MADE, AND LATER CLAIMS WILL NOT BE RECOGNIZED FOR EXTRA LABOR, EQUIPMENT, OR MATERIALS, REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN REASONABLY FORESEEN HAD SUCH AN EXAMINATION BEEN MADE. THE GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS ON THE JOB SITE AND REPORT ANY AND ALL DISCREPANCIES AND/OR UNUSUAL CONDITIONS TO THE ARCHITECT PRIOR TO FINALIZING BIDS OR COMMENCEMENT OF ANY CONSTRUCTION.

5. THE GENERAL CONTRACTOR SHALL MAKE KNOWN ANY AND ALL LIMITATIONS, EXCLUSIONS, OR MODIFICATIONS TO THE PROJECT DURING THE BID SELECTIONS PERIOD. ANY AND ALL LIMITATIONS, EXCLUSIONS, OR MODIFICATIONS NOT ITEMIZED IN THE BID PROPOSAL DOCUMENTS ARE PRESUMED "INCLUDED", IN WHICH CASE NO ADDITIONAL MONIES WILL BE ALLOCATED FOR THIS WORK.

6. THE AIA STANDARD DOCUMENT "A201" TITLED "GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION" SHALL BE CONSIDERED PART OF THE GENERAL CONDITIONS OF THIS WORK.

7. THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL PROVIDE PUBLIC PROTECTION, AS NECESSARY AND REQUIRED BY GOVERNING AGENCIES HAVING JURISDICTION, UNTIL CLIENT ACCEPTANCE OF THE PREMISES.

8. THE GENERAL CONTRACTOR IS SOLELY RESPONSIBLE FOR THE PROVISION AND MAINTENANCE OF ALL BRACING, SHORING, ENCLOSURES, BARRIERS OR SCAFFOLDING REQUIRED TO PROVIDE A SAFE WORKING ENVIRONMENT AS DICTATED BY SITE CONDITIONS AND THE PROGRESS OF WORK.

9. DURING THE ENTIRE CONSTRUCTION PERIOD, ALL EXITS, EXIT LIGHTING, FIRE PROTECTION DEVICES AND ALARMS SHALL BE CONTINUOUSLY MAINTAINED IN CONFORMANCE WITH LOCAL BUILDING CODE AND OTHER GOVERNING ENTITY REQUIREMENTS. UNO, ALL EXISTING, SERVICES AND DEVICES SHALL REMAIN ACTIVE.

10. THE CONTRACTOR SHALL PROTECT THE PROPERTY OF THE CLIENT AND THE BUILDING OWNER. INCLUDING, BUT IS NOT LIMITED TO, WINDOWS, FLOOR AND CEILING FINISHES, PUBLIC TOILETS, ELEVATORS, DOORS & BUCKS, ELECTRICAL AND AIR-CONDITIONING EQUIPMENT. THE CONTRACTOR SHALL PROTECT ADJOINING PROPERTY. DAMAGE CAUSED BY THE CONTRACTOR'S WORK OR WORKMEN MUST BE MADE GOOD, IN A TIMELY FASHION. PATCHING AND REPLACEMENT OF DAMAGED WORK SHALL BE PERFORMED AT THE COST OF THE CONTRACTOR. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ALL SUB-CONTRACTORS. IF THE CONTRACTOR FAILS TO COMPLETE THE REPAIRS IN A TIMELY FASHION, SAID REPAIRS WILL BE MADE BY A CONTRACTOR SELECTED BY THE OWNER'S REPRESENTATIVE AND BACK CHARGED ACCORDINGLY.

11. THE CONTRACTOR SHALL INDENTIFY AND SAVE HARMLESS THE OWNER AND ARCHITECT AGAINST ANY AND ALL CLAIMS AND DEMANDS FOR THE DAMAGE TO THE PROPERTY OF ANY PERSON, FIRM OR INDIVIDUAL OR FOR PERSONAL INJURIES (INCLUDING DEATH) ARISING OUT OF, OR SUFFERED WHILE ENGAGED IN, OR CAUSED, IN WHOLE OR IN PART, BY THE EXECUTION OF THE WORK; THE CONTRACTOR SHALL WELL AND TRULY DEFEND THE OWNER AND ARCHITECT AND SHALL PAY ALL MONIES AWARDED FOR SUCH DAMAGES OR INJURIES (INCLUDING DEATH), ALL COSTS INCLUDING ATTORNEY'S FEES SUSTAINED, AND SHALL OBTAIN A FULL ACQUAINTANCE AND RELEASE IN FAVOR OF THE OWNER AND ARCHITECT, UNLESS SUCH LIABILITY RESULTS SOLELY FROM THE NEGLIGENCE OF THE OWNER, ARCHITECT, ITS AGENTS OR EMPLOYEES.

12. THE ARCHITECT SHALL NOT BE HELD RESPONSIBLE FOR THE PERFORMANCE OF ANY WORK, NOR FOR THE MEANS AND METHODS OF CONSTRUCTION CHOSEN BY THE CONTRACTOR OR ANY SUB-CONTRACTORS, NOR SHALL THE ARCHITECT GUARANTEE THE PERFORMANCE OF THEIR CONTRACTS.

13. THE CONTRACTOR SHALL PERFORM DAILY CLEANING OF THE JOB SITE DURING THE CONSTRUCTION PERIOD AND SHALL PROTECT FINISHED WORK FROM DAMAGE. IMMEDIATELY PRIOR TO TENANT OCCUPANCY, THE CONTRACTOR SHALL PERFORM FINAL CLEANING OF THE WORK AREA INCLUDING, BUT NOT LIMITED TO, WET WIPING OF FURNITURE, AND CASEWORK, WASHING AND WAXING OF VCT FLOORING AND THE VACUUMING OF CARPET. ALL CLEANING SHALL BE IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.

14. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE WORK OF ALL SUB-CONTRACTORS AND SHALL PERFORM SUCH MISCELLANEOUS WORK AS MAY BE NECESSARY FOR THEM TO COMPLETE THEIR WORK. IT IS EXPECTED THAT THE CONTRACTOR SHALL ALSO CLOSELY COORDINATE THE WORK WITH THAT OF ALL OTHER VENDORS RETAINED BY THE CLIENT TO ASSURE THAT ALL SCHEDULES ARE MET AND THAT WORK PROCEEDS WITHOUT DELAY.

15. WITHIN ONE (1) WEEK (5 BUSINESS DAYS), OF THE AWARD OF THIS CONTRACT, PRIOR TO MOBILIZATION FOR ANY WORK, THE CONTRACTOR SHALL FURNISH A CONSTRUCTION SCHEDULE SHOWING CHRONOLOGICALLY THE PHASES OF THE WORK, AND ALL RELATED WORK FOR THE COMPLETION OF THE PROJECT. THIS SCHEDULE SHALL INDICATE ALL ORDERING LEAD TIMES, LENGTH OF TIME FOR EACH PHASE, ITS START AND COMPLETION, WITH A PROJECTED COMPLETION DATE.

16. CONTRACTOR AND SUBCONTRACTORS SHALL ATTEND JOB MEETINGS REQUIRED BY THIS CONTRACT.

17. CREATE AND IMPLEMENT AN EROSION AND SEDIMENTATION CONTROL PLAN FOR ALL SITE CONSTRUCTION ACTIVITIES ASSOCIATED WITH THE PROJECT. THE PLAN MUST CONFORM TO THE EROSION AND SEDIMENTATION REQUIREMENTS OF THE 2003 EPA CONSTRUCTION GENERAL PERMIT OR LOCAL STANDARDS AND CODES, WHICHEVER IS MORE STRINGENT.

18. ALL COSTS FOR INSPECTIONS AND/OR TESTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, UNO.

21. OF THE INEVITABLE WASTE THAT IS GENERATED, AS MANY OF THE WASTE MATERIALS AS ECONOMICALLY FEASIBLE SHALL BE REUSED, SALVAGED, OR RECYCLED. WASTE DISPOSAL IN LANDFILLS SHALL BE MINIMIZED. CONTRACTOR SHALL COORDINATE WASTE MATERIALS HANDLING AND SEPARATION FOR ALL TRADES. CONTRACTOR SHALL PROVIDE SEPARATION, HANDLING, TRANSPORTATION, RECYCLING, SALVAGE, AND LANDFILLING FOR ALL DEMOLITION AND WASTE MATERIALS. RECYCLABLE MATERIALS CAN BE COMMINGLED IN DUMPSTERS ON-SITE AS LONG AS PROVISION IS MADE FOR HAULING TO A TRANSFER STATION WHERE SEPARATION WILL OCCUR. TRANSFER STATION MUST PROVIDE DOCUMENTATION REPORT TYPES OF MATERIALS SEPARATED BY LOAD AND PERCENTAGE OF EACH LOAD. FINAL DESTINATION OF SORTED MATERIALS MUST ALSO BE REPORTED.

    DIVERSION GOALS: A DESIRED 50% OF TOTAL PROJECT WASTE SHALL BE DIVERTED FROM LANDFILL. THE FOLLOWING WASTE CATEGORIES, AT A MINIMUM, SHALL BE DIVERTED FROM LANDFILL.

    a. CLEAN DIMENSIONED WOOD, PALLET WOOD
    b. PLYWOOD, OSB, AND PARTICLEBOARD
    c. CONCRETE
    d. CARDBOARD, PAPER, PACKAGING
    e. METALS
    f. GYPSUM DRYWALL (UNPAINTED)
    g. ACOUSTIC TILE
    h. PAINT
    i. GLASS
    j. PLASTICS
    k. CARPET AND PAD
    l. BEVERAGE CONTAINERS

22. THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS, MAINTAIN AND PAY ALL COSTS FOR TEMPORARY WATER, PLUMBING, POWER, LIGHTING, HEATING OR VENTILATION REQUIRED TO PROPERLY CONDUCT THE WORK.

23. DO NOT SCALE THESE DRAWINGS; WRITTEN DIMENSIONS SHALL GOVERN. SHOULD ANY DIMENSIONAL DISCREPANCIES BE ENCOUNTERED, CLARIFICATIONS SHALL BE OBTAINED FROM THE OFFICE OF THE ARCHITECT.

24. LARGE SCALE DETAILS SHALL GOVERN OVER SMALLER SCALE PLANS AND ELEVATIONS.

25. INSTALL ALL EQUIPMENT AND MATERIALS PER MANUFACTURERS' RECOMMENDATIONS. ANY DIFFICULTIES ARE TO BE REPORTED TO THE ARCHITECT IMMEDIATELY.

26. THE CONTRACTOR AND EACH SUBCONTRACTOR SHALL WARRANTEE ALL WORK PERFORMED BY HIM DIRECTLY FOR A MINIMUM PERIOD OF ONE (1) YEAR AS SPECIFIED IN THE CONSTRUCTION CONTRACT. ALL DEFECTS OCCURRING IN THE GUARANTEED PERIOD SHALL BE CORRECTED AT NO ADDITIONAL COST.

27. THE CLIENT, ARCHITECT, CONSULTANTS AND ALL INSPECTORS FROM PERTINENT AGENCIES SHALL BE PERMITTED ACCESS TO THE JOB SITE AT ALL TIMES DURING NORMAL WORKING HOURS.

28. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO EXECUTE ALL WORK, EXCEPT WHERE NOTED AS NOT IN CONTRACT (NIC).

29. MINOR DETAILS NOT SHOWN OR SPECIFIED, BUT NECESSARY FOR PROPER CONSTRUCTION OF ANY PART OF THE WORK, SHALL BE INCLUDED AS IF THEY WERE INDICATED IN THE DRAWINGS, UNLESS OTHERWISE AGREED UPON. WHERE THE CONTRACT, CONSTRUCTION NOTES OR DRAWINGS CALL FOR ANY WORK OF A MORE STRINGENT NATURE THAN THAT REQUIRED BY THE BUILDING CODE, OR ANY OTHER ENTITY HAVING JURISDICTION OVER THE WORK, THE WORK OF THE MORE STRINGENT NATURE CALLED SHALL BE FURNISHED IN ALL CASES.

30. FOR ALL MATERIALS PURCHASED THE CONTRACTOR SHALL FURNISH MATERIALS WHICH YIELD THE HIGHEST PERCENT OF PRE-CONSUMER (POST-INDUSTRIAL) AND POST-CONSUMER RECYCLED AND BIO-BAESED CONTENT. THE CONTRACTOR SHALL FURNISH THESE MATERIALS WITHIN THE PARAMETERS OF THE BUDGET AND SHALL NOT PURCHASE ANY COST-ADDING MATERIAL OR PAY A PREMIUM (MORE THAN FAIR MARKET VALUE) WITHOUT PROJECT MANAGER AND OWNER ACKNOWLEDGEMENT AND APPROVAL.

31. WHERE POSSIBLE THE CONTRACTOR SHALL FURNISH MATERIALS MANUFACTURED WITHIN A 500 MILE RADIUS OF THE PROJECT SITE WHERE AVAILABLE, WITHIN BUDGET, WITHIN FAIR MARKET VALUE AND DO NOT PRESENT RISK TO THE PROJECT SCHEDULE.

32. FOR ALL NEW WOOD PRODUCTS INCLUDING BUT NOT LIMITED TO PARTICLE BOARD, MDF, PLYWOOD, OSB AND WOOD DOORS, THE CONTRACTOR SHALL FURNISH MATERIALS THAT CONTAIN NO ADDED UREA-FORMADALHYDE. DETAILS ARE INTENDED TO SHOW THE INTENT OF THE DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT FIELD CONDITIONS. REQUIRED MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.

33. DETAILS ARE INTENDED TO SHOW THE INTENT OF THE DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT FIELD CONDITIONS. REQUIRED MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.

34. ALL WORK SHALL BE EXECUTED IN A WORKMANLIKE MANNER BY MECHANICS AND TRADESPERSONS SKILLED IN THEIR RESPECTIVE TRADES AND IN ACCORDANCE WITH THE BEST TRADE PRACTICES.

35. THE CONTRACTOR SHALL CONFIRM THE AVAILABILITY AND DELIVERY TIMES FOR ALL SPECIFIED MATERIALS & EQUIPMENT REQUIRED TO PERFORM THE WORK UPON RECEIPT OF THE CONTRACT DOCUMENTS. SHOULD THE AVAILABILITY OF SPECIFIED ITEMS POSE A DELAY TO THE ON-TIME COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY AND PROPOSE AN EQUIVALENT SUBSTITUTION TO BE REVIEWED BY THE ARCHITECT IF SUCH A DELAY IS NOT ACCEPTABLE.

36. SUBSTITUTION OF ALL EQUALS SHALL BE ONLY AS APPROVED BY THE ARCHITECT. WHERE THE TERM "OR EQUAL" IS USED THE ARCHITECT SHALL BE THE SOLE JUDGE OF EQUALITY BASED UPON THE INFORMATION FURNISHED BY THE CONTRACTOR. SUBSTITUTIONS MUST BE ACCEPTED IN WRITING BEFORE THEY MAY BE USED.

37. THE CONTRACTOR SHALL PREPARE SUBMITTALS FOR REVIEW BY THE ARCHITECT, FOR ALL MATERIALS AND EQUIPMENT SPECIFIED. IF THE CONTRACTOR, THE OWNER, OR THE OWNER'S REPRESENTATIVE SUBSTITUTES A MATERIAL, METHOD OF ATTACHMENT, REVISES A CONSTRUCTION DETAIL, OR IN ANY WAY ALTERS THE WORK SUCH THAT IT NO LONGER CONFORMS TO THESE DOCUMENTS, WITHOUT THE WRITTEN ACCEPTANCE OF THE ARCHITECT, SUCH ACTION WILL RELIEVE THE ARCHITECT OF ANY RESPONSIBILITY OR LIABILITY INCLUDING, BUT NOT LIMITED TO, AESTHETIC CONSEQUENCES, SUBSEQUENT FAILURE(S) AND PERSONAL OR PROPERTY DAMAGE ATTRIBUTABLE TO THIS CHANGE.

38. REVIEW OF A SPECIFIC ITEM SHALL NOT INCLUDE REVIEW OF AN ASSEMBLY OF WHICH THE ITEM IS A COMPONENT.

39. SUBMITTALS THAT CONTAIN EXCESSIVE ERRORS OR ARE INCOMPLETE OR INADEQUATE MAY BE RETURNED WITHOUT ACTION. COSTS INCURRED FOR THE RESULTANT DELAYS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

40. REVIEW OF SUBMITTALS SHALL NOT RELIEVE THE CONTRACTOR OF OBLIGATIONS OR RESPONSIBILITIES FOR DEVIATIONS FROM THE REQUIREMENTS OF THESE CONTRACT DOCUMENTS, UNLESS THE ARCHITECT IS NOTIFIED AND SPECIFICALLY APPROVES OF, THE DEVIATIONS AT THE TIME OF SUBMISSION.

41. REVIEW OF SUBMITTALS SHALL NOT RELIEVE THE CONTRACTOR'S OBLIGATION FOR COORDINATION NOR WAIVE RESPONSIBILITY FOR ERRORS AND OMISSIONS IN THE SUBMITTALS, INCLUDING "FIELD MEASURE."

42. CHANGES IN THE SCOPE OF WORK OR IN CONSTRUCTION DETAILS, WHETHER DUE TO FIELD CONDITIONS OR OMISSIONS BY THE CONTRACTOR, ARCHITECT OR OWNER, SHALL BE DOCUMENTED BY THE ARCHITECT AND APPROVED, PRIOR TO EXECUTION.

43. THE PLANS AND SPECIFICATIONS MAY AT TIMES INDICATE A BRAND NAME SPECIFYING OR IDENTIFYING EQUIPMENT OR PRODUCT PERFORMANCE. AT SUCH OCCURRENCES CONTRACTOR TO PROVIDE SAID BRAND OR EQUAL UPON APPROVAL VIA SUBSTITUTION REQUEST TO THE OWNER AND ARCHITECT DURING THE BID PROCESS.

43. THE PRESENCE OF A REPRESENTATIVE OF THE ARCHITECT ON THE JOB SITE DOES NOT IMPLY CONCURRENCE WITH OR THE APPROVAL OF ANY WORK. THE CONTRACTOR SHALL CALL TO THE ATTENTION OF THE ARCHITECT, IN WRITING, ALL SPECIFIC ITEMS FOR WHICH ARCHITECT'S REVIEW IS REQUIRED.

44. UPON SUBSTANTIAL COMPLETION OF WORK THE CONTRACTOR SHALL PREPARE A "PUNCHLIST" OF CORRECTIONS AND UNSATISFACTORY AND/OR INCOMPLETE WORK FOR REVIEW BY THE ARCHITECT.

45. THE CONTRACTOR SHALL MAINTAIN AT THE SITE, ONE RECORD COPY OF ALL DRAWINGS, PERMITS, SUBMITTALS AND SAMPLES ON WHICH TO RECORD ALL CHANGES DURING CONSTRUCTION. ACCESS TO THESE SHALL BE PROVIDED FOR THE USE OF ALL TRADES, CLIENT REPRESENTATIVES AND THE ARCHITECT, DURING ALL PHASES OF CONSTRUCTION.

46. DURING THE COURSE OF CONSTRUCTION, ACTUAL LOCATIONS SHALL BE INDICATED TO SCALE IN RED INK ON THE OWNERS RECORD DRAWINGS FOR ALL RUNS OF MECHANICAL AND ELECTRICAL WORK INCLUDING CONCEALED WORK WHICH DEVIATES FROM THE DRAWINGS. UPON COMPLETION OF THE PROJECT, INCLUDING ALL PUNCHLIST ITEMS, THIS INFORMATION SHALL BE NEATLY TRANSFERRED BY THE CONTRACTOR TO A SET OF DRAWINGS, WHICH SHALL BE MARKED "AS BUILT SET" AND COPIES SHALL BE PROVIDED TO BOTH THE OWNER AND THE ARCHITECT. WITHIN THREE (3) WEEKS (15 BUSINESS DAYS) OF THE RECEIPT OF THE "AS BUILT SET." APPROVAL FOR FINAL PAYMENT TO THE CONTRACTOR SHALL BE GRANTED OR REASONABLE CAUSE SHOWN WHY SUCH APPROVAL HAS BEEN DENIED.

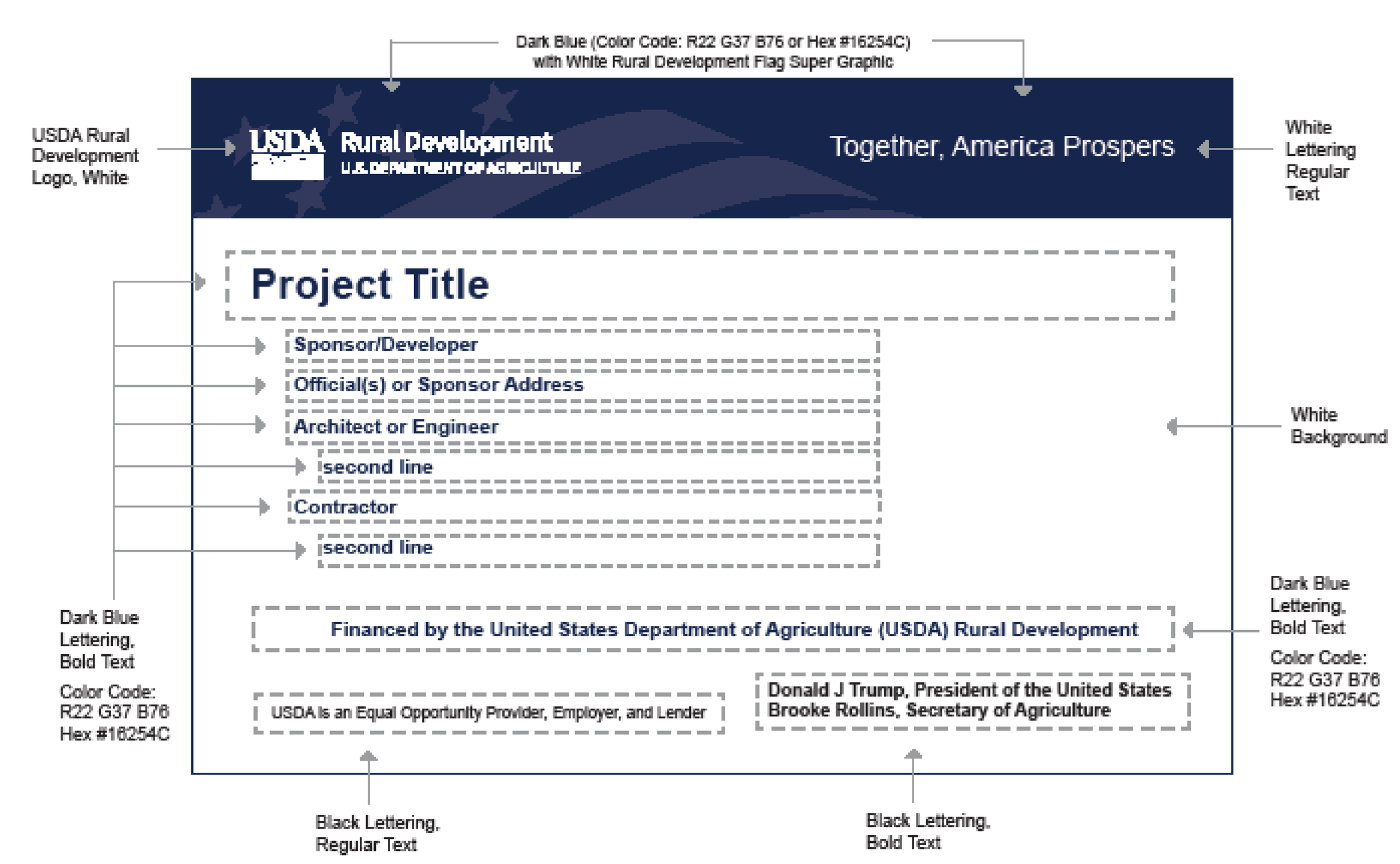
47. PRIOR TO THE COMPLETION OF THE WORK, THE CONTRACTOR SHALL ASSEMBLE AND FURNISH THE CLIENT A COMPLETE SET OF MANUFACTURERS' CATALOG, OPERATING INSTRUCTIONS, START-UP CHECK LISTS, MAINTENANCE INSTRUCTIONS AND SIMILAR DATA, AS WELL AS ALL GUARANTEE(S) FOR ALL EQUIPMENT AND OPERABLE DEVICES FURNISHED OR INSTALLED BY THE CONTRACTOR UNDER THIS CONTRACT, AND SHALL ORIENT AND INSTRUCT THE PERSONNEL DESIGNATED BY THE CLIENT IN THE OPERATION OF ALL SUCH EQUIPMENT.

48. THE CONTRACTOR IS ADVISED THAT THE PREMISE HAS NOT BEEN TESTED FOR LEAD PAINT OR OTHER POTENTIALLY HAZARDOUS MATERIALS. THE CONTRACTOR SHALL USE ALL APPROPRIATE PRECAUTIONS IN THE CARRYING OUT OF ALL CONSTRUCTION OPERATIONS WHICH MIGHT DISTURB SUCH MATERIALS.

49. ALL CONTRACTORS SHALL CARRY PROPERTY DAMAGE AND PUBLIC LIABILITY INSURANCE AS REQUIRED BY ANY GOVERNING AGENCIES HAVING JURISDICTION AND COMPLYING WITH STATUTORY REQUIREMENTS FOR DISABILITY AND WORKMEN'S COMPENSATION.

Temporary Construction Sign for Rural Development Projects

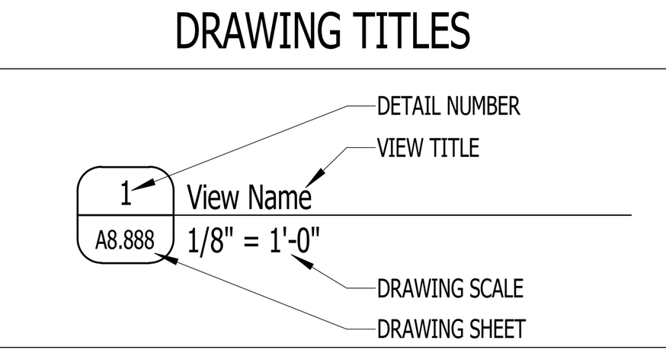
Recommended Font: Arial



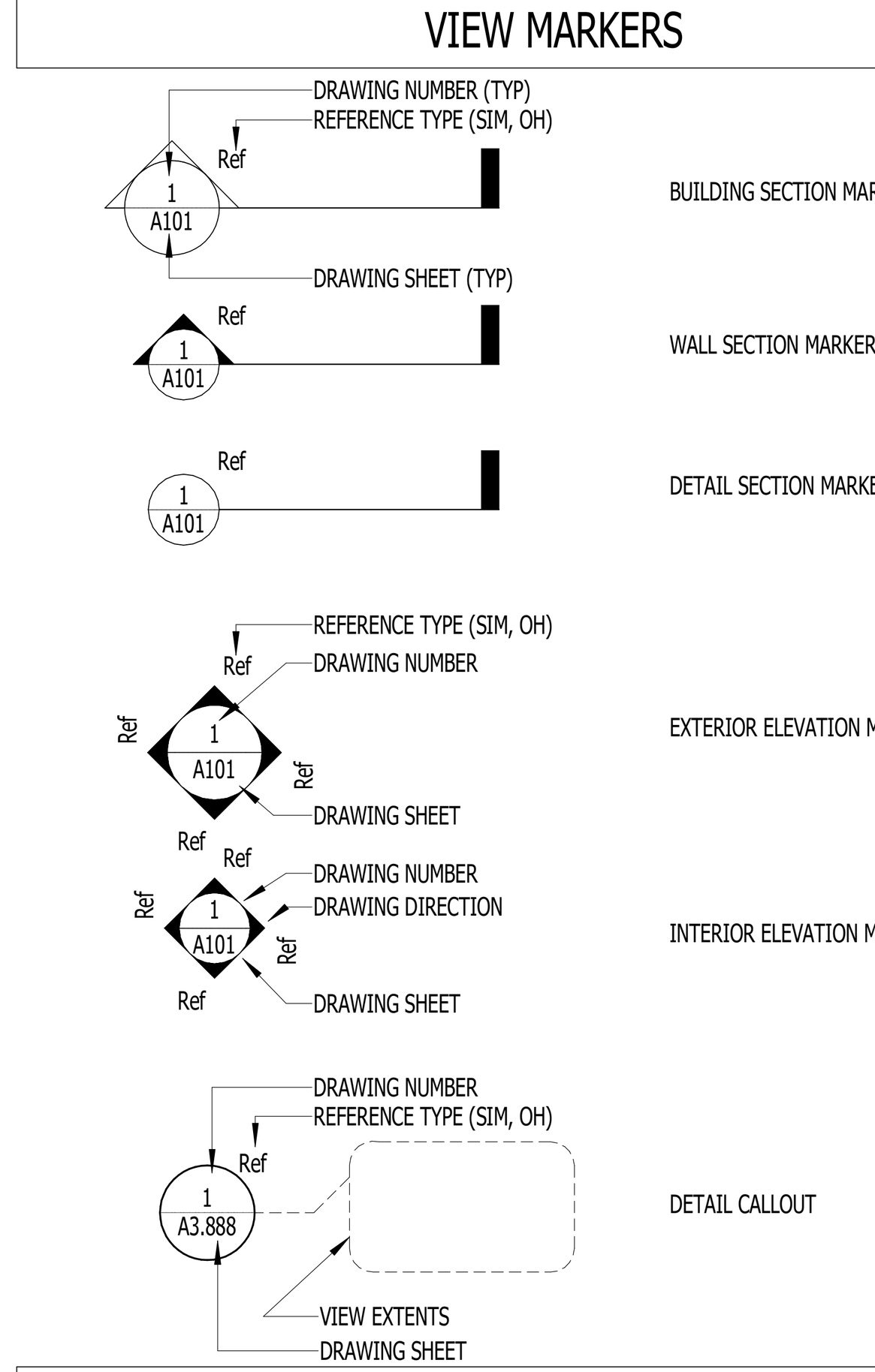
SIGN DIMENSIONS: 1200mm x 2400mm x 19mm (approx.4' x 8' x 3/4)
PLYWOOD PANEL (APA RATED A+B GRADE-EXTERIOR)

NOTE: CONTRACTOR TO PROVIDE TEMPORARY CONSTRUCTION SIGN AS SHOWN ABOVE

DRAWING TITLES



VIEW MARKERS



BUILDING SECTION MARKER

WALL SECTION MARKER

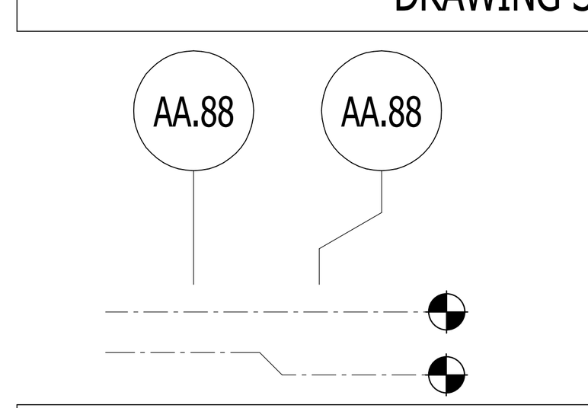
DETAIL SECTION MARKER

EXTERIOR ELEVATION MARKER

INTERIOR ELEVATION MARKER

DETAIL CALLOUT

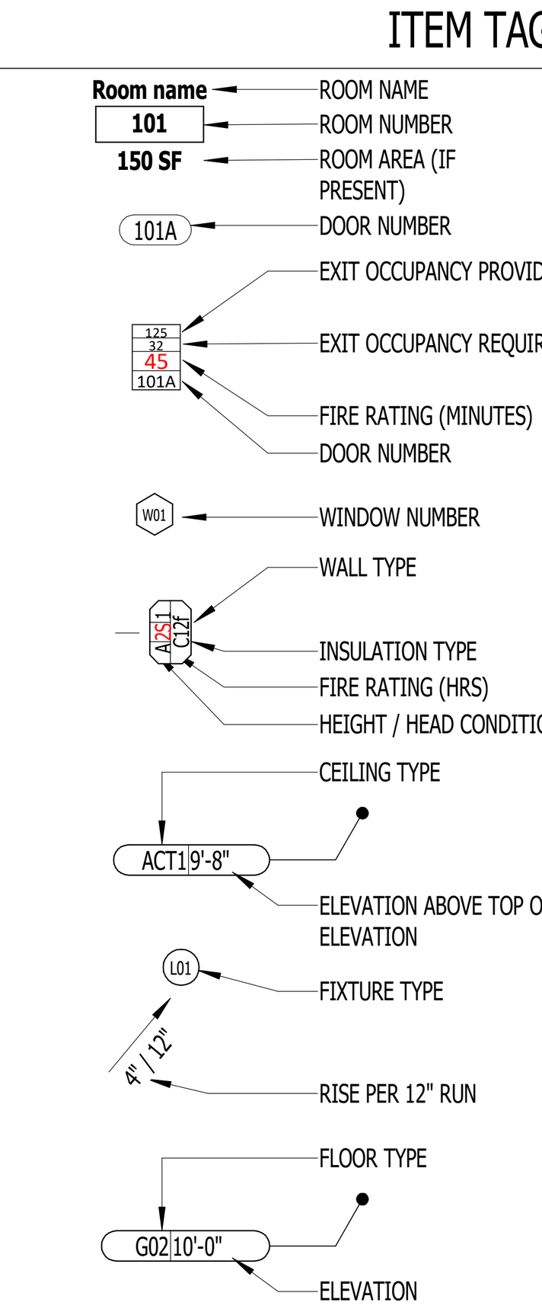
DRAWING SYMBOLS



REFERENCE GRID LINES

REFERENCE FLOOR LEVEL IDENTIFICATIONS

ITEM TAGS



ROOM IDENTIFICATION TAG

DOOR IDENTIFICATION TAG

WALL IDENTIFICATION TAG

CEILING IDENTIFICATION TAG

LIGHT FIXTURE IDENTIFICATION TAG

SLOPE TAG

FLOOR IDENTIFICATION TAG

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504.350.2644

LANDSCAPE ARCHITECTURE
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CIVIL ENGINEER
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LOUISVILLE, KY 40223
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MANDEVILLE, LA 70471
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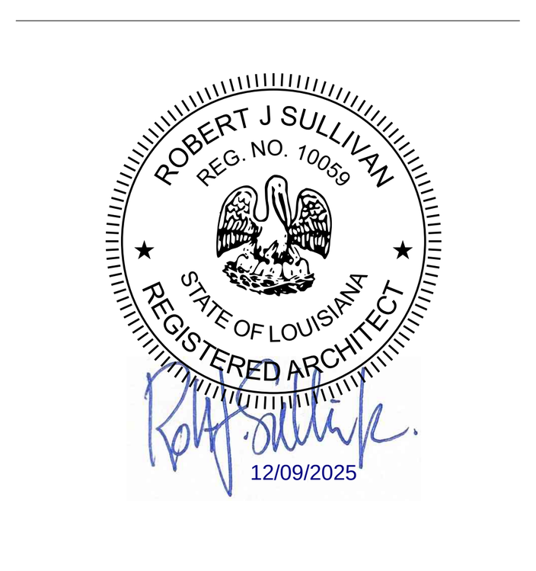
COUSHATTA TRIBE OF LOUISIANA

COUSHATTA TRIBE - EDUCATION BUILDING

1950 CC BEL RD
ELTON, LA 70532

Issue:	No:	Date:
BID SET		2025.12.05

PROJECT GENERAL INFORMATION



Proj #: 24.0002607.000 Reviewed By:

G00.10

NOT RELEASED FOR CONSTRUCTION

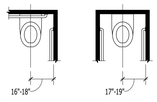
ACCESSIBILITY AND EGRESS NOTES

1. EXIT DOORS SHALL BE OPERABLE FROM THE EGRESS SIDE WITHOUT SPECIAL KNOWLEDGE, EFFORT OR THE USE OF A SPECIAL KEY OR LATCH.
2. EXIT DOORS SHALL SWING IN THE DIRECTION OF TRAVEL WHEN SERVING AN OCCUPANT LOAD OF 50 OR MORE.
3. FORCES TO UNLATCH AND OPEN DOORS FOR INTERIOR SWINGING EGRESS DOORS, OTHER THAN FIRE RATED DOORS SHALL NOT EXCEED 5 POUNDS.
4. CORRIDORS SHALL BE MAINTAINED WITH A MINIMUM CLEAR WIDTH OF 44" AND 7'-6" MINIMUM HEIGHT.
5. EXIT DOORS SHALL BE A MINIMUM OF 32" CLEAR WIDTH & MAXIMUM 48" WIDE LEAF. MINIMUM 6'-8" DOOR HEIGHT.
6. DOORS IN ANY POSITION SHALL NOT REDUCE THE REQUIRED CORRIDOR EXIT WIDTH BY MORE THAN HALF.
7. EXIT ACCESS HAS BEEN BASED UPON PROGRAMMATIC INFORMATION PROVIDED TO NELSON BY THE INTENDED OCCUPANT OF THIS SPACE. NELSON SHALL NOT BE HELD RESPONSIBLE FOR ANY CONSEQUENCES WHICH MAY RESULT FROM THE CHANGE OF USE OR OCCUPANT LOAD AFTER PROJECT COMPLETION.
8. TACTILE EXIT SIGNAGE SHALL BE REQUIRED PER ABAAS 703 SIGNS. TACTILE SIGNS SHALL BE MATTE FINISH, WITH CHARACTERS THAT CONTRAST WITH THE BACKGROUND. SUBMIT SIGN SAMPLE TO NELSON FOR APPROVAL.
   FINISHES: 1/4" P95 BACKPAINTED ACRYLIC. PAINT: BENJAMIN MOORE CHANTILLY LACE. CHARCOAL GRAY OR APPROVED EQUAL (ROWMARK) APPLIQUE WITH CLASSIC RASTER BRAILLE. PROVIDE SIGNS AT THE FOLLOWING LOCATIONS:
   A. EACH GRADE-LEVEL EXTERIOR EXIT DOOR SHALL BE IDENTIFIED BY A TACTILE SIGN WITH THE WORD "EXIT".
   B. EACH EXIT DOOR THAT LEADS DIRECTLY TO A GRADE-LEVEL EXTERIOR EXIT BY MEANS OF AN EXIT ENCLOSURE OR AN EXIT PASSAGEWAY SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORDS, "EXIT ROUTE".
   C. EACH EXIT ACCESS DOOR FROM AN INTERIOR ROOM, OR AREA TO A CORRIDOR OR HALLWAY THAT IS REQUIRED TO HAVE A VISUAL EXIT SIGN, SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORDS, "EXIT ROUTE".
   D. EACH EXIT DOOR THROUGH A HORIZONTAL EXIT SHALL BE IDENTIFIED BY A SIGN WITH THE WORD "TO EXIT".
9. SIGNAGE SHALL BE LOCATED AT LATCH SIDE OF SINGLE DOOR AND RIGHT SIDE OF DOUBLE DOORS FROM DIRECTION OF EGRESS.
10. EVERY ROOM OR SPACE THAT IS AN ASSEMBLY OCCUPANCY SHALL HAVE A SIGNAGE POSTING THE ROOM CAPACITY.
11. SIGNAGE & TACTILE SIGNAGE SHALL BE LOCATED AT EACH DELAYED EGRESS LOCK READING "PUSH UNTIL ALARM SOUNDS. DOOR CAN BE OPENED IN 15 SECONDS."
12. SIGNAGE AND TACTILE SIGNAGE SHALL BE PROVIDED AT EACH EXIT DOOR WITH DELAYED EGRESS LOCK, AND SHALL BE LOCATED ABOVE AND WITHIN 12" OF DOOR EXIT HARDWARE:
    - FOR DOORS THAT SWING IN THE DIRECTION OF EGRESS, THE SIGN SHALL READ "PUSH UNTIL ALARM SOUNDS. DOOR CAN BE OPENED IN 15 SECONDS."
    - FOR DOORS IN THE OPPOSITE DIRECTION OF EGRESS, THE SIGN SHALL READ "PUSH UNTIL ALARM SOUNDS. DOOR CAN BE OPENED IN 15 SECONDS."
13. FINAL PLACEMENT OF EXIT SIGNS IS SUBJECT TO APPROVAL AND MODIFICATION OF THE CODE COMPLIANCE FIELD INSPECTOR.
14. FAUCET CONTROLS AND OPERATING MECHANISMS AT COMMON USE SINK AREAS SHALL HAVE CONTROLS THAT ARE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE GRASPING, PINCHING, OR TWISTING OF THE WRIST; REQUIRE MORE THAN 5 LBS OF FORCE TO ACTIVATE, AND BE LEVER OPERATED, PUSH TYPE OR ELECTRONICALLY CONTROLLED.
15. CONTRACTOR IS TO ENSURE THE FACILITY CONFORMS TO ABAAS REQUIREMENTS.
16. THRESHOLDS AT DOORWAYS SHALL NOT EXCEED 1/2" IN HEIGHT.
17. GROUND AND FLOOR SURFACES ALONG ACCESSIBLE ROUTES AND IN ACCESSIBLE SPACES, INCLUDING FLOORS, WALKS, RAMPS, STAIRS AND CURB RAMPS SHALL BE STABLE, FIRM, AND SLIP RESISTANT.
18. ACCESSIBLE ROUTES SHALL CONSIST OF ONE OR MORE OF THE FOLLOWING COMPONENTS: WALKING SURFACES WITH A RUNNING SLOPE NOT STEEPER THAN 1:20, DOORWAYS, RAMPS, CURB RAMPS EXCLUDING THE FLARED SIDES, ELEVATORS, AND PLATFORM LIFTS PER ABAAS 402.

2010 ADA STANDARDS

604 - WATER CLOSETS AND TOILET COMPARTMENTS; 605 - URINALS

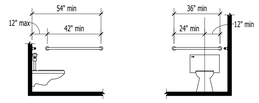
FIGURE 604.2



(a) wheelchair accessible water closets

(b) ambulatory accessible water closets

FIGURE 604.5.1

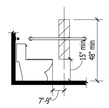


Side Wall Grab Bar at Water Closets

FIGURE 604.5.2

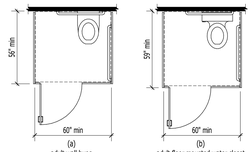
Rear Wall Grab Bar at Water Closets

FIGURE 604.7



Dispenser Outlet Location

FIGURE 604.8.1.1

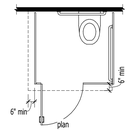


(a) adult wall hung water closet

(b) adult floor mounted water closet and children's water closet

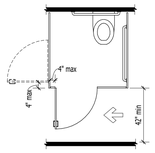
FIGURE 604.8.1.4

elevation adult



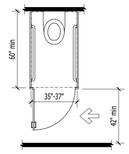
plan

FIGURE 604.8.1.2



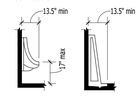
Wheelchair Accessible Toilet Compartment Doors

FIGURE 604.8.2



Ambulatory Accessible Toilet Comparment

FIGURE 604.8.1.2

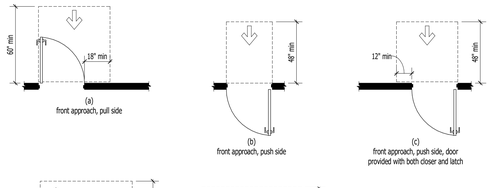


(a) wall hung type

(b) stall type

404 - DOORS, DOORWAYS, AND GATES

FIGURE 404.2.4.1



(a) front approach, pull side

(b) front approach, push side

(c) front approach, push side, door provided with both closer and latch

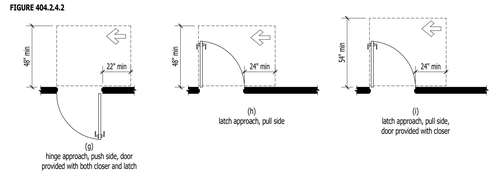
(d) hinge approach, pull side

(e) hinge approach, pull side

(f) hinge approach, push side

Maneuvering Clearances at Manual Swinging Doors and Gates

FIGURE 404.2.4.2



(g) hinge approach, push side, door provided with both closer and latch

(h) latch approach, pull side

(i) latch approach, pull side, door provided with closer

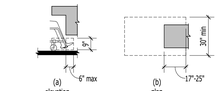
(j) latch approach, push side

(k) latch approach, push side, door provided with closer

Doorways without Doors or Gates, Sliding Doors, and Folding Doors

306 - KNEE AND TOE CLEARANCE

FIGURE 306.2

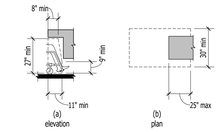


(a) elevation

(b) plan

Toe Clearance

FIGURE 306.3



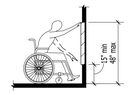
(a) elevation

(b) plan

Knee Clearance

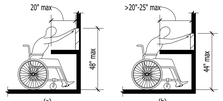
308 - REACH RANGES

FIGURE 308.2.1



Unobstructed Forward Reach

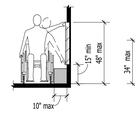
FIGURE 308.2.2



(a) Obstructed High Forward Reach

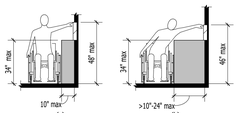
(b)

FIGURE 308.3.1



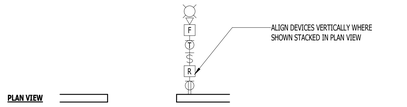
Unobstructed Side Reach

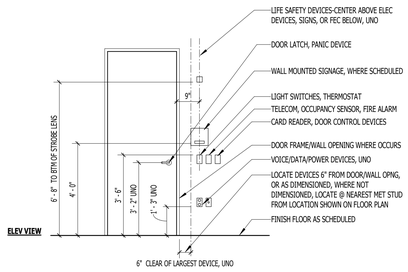
FIGURE 308.3.2



(a) Obstructed High Side Reach

(b)





ADA-DEVICE MOUNTING AND ALIGNMENT DIAGRAM
3/8" = 1'-0"

NELSON
Nelco Architecture, Inc.

100 S. Independence Mall West
Suite 500
Philadelphia, PA 19106
Phone: (215) 925-6562

WWW.NELSONWORLDWIDE.COM

DESIGN ARCHITECT
FULL CIRCLE INDIGENOUS PLANNING + DESIGN
219 SE MAIN STREET, #101
612-919-8968

ARCHITECT OF RECORD
NELSON WORLDWIDE
901 S MARQUETTE AVE
SUITE 2850
612-436-6324

CONSTRUCTION ADMIN ARCHITECTURAL REP
MIA KAPLAN STUDIO
274 WEST HALL AVENUE
SLIDELL, LA 70460
985-205-1161

MEP/FP ENGINEERING
WINDWARD ENGINEERS & CONSULTANTS, LLC
MARQUETTE AVE
SUITE 2850
972.934.6440

STRUCTURAL ENGINEER
MARAIS CONSULTANTS
1813 BARONNE ST.
NEW ORLEANS, LA 70113
504.582.2644

LANDSCAPE ARCHITECTURE
DANA BROWN & ASSOCIATES
1636 VALENCE STREET
NEW ORLEANS, LA 70115
504.345.2639

CIVIL ENGINEER
QK4, INC.
9520 CORPORATE CAMPUS DRIVE, SUITE 1200
LOUISVILLE, KY 40223
502.585.2222

FOOD SERVICE
MOYNIAN CONSULTING, LLC
101 KRAMER CT
MANDEVILLE, LA 70471
985.674.5710

COUSHATTA TRIBE OF LOUISIANA

COUSHATTA TRIBE - EDUCATION BUILDING

1950 CC BEL RD
ELTON, LA 70532

Issue:	No:	Date:
BID SET		2025.12.05

ADA CLEARANCE AND ACCESSIBILITY DIAGRAMS

ROBERT J SULLIVAN
REG. NO. 19599
STATE OF LOUISIANA
REGISTERED ARCHITECT
12/09/2025

Proj #: 24.0002607.000 Reviewed By:

G00.11

NOT RELEASED FOR CONSTRUCTION

COM*check* Software Version COMcheckWeb

Envelope Compliance Certificate

Project Information

Energy Code:	2021 IECC
Project Title:	Coushatta Tribe - Education Building
Location:	Elton, Louisiana
Climate Zone:	2a
Project Type:	New Construction
Vertical Glazing / Wall Area:	37%

Construction Site:
1950 CC BEL Rd
Elton, Louisiana 70532

Owner/Agent:
COUSHATTA TRIBE OF LOUISIANA

Designer/Contractor:
REBECCA MUCHOW
NELSON WORLDWIDE
901 S MARQUETTE AVE
MINNEAPOLIS, Minnesota 55402
612-638-6324
rmuchow@nelsonww.com

Additional Efficiency Package(s)

Credits: 10.0 Required 34.5 Proposed
10% heating efficiency improvement, 0.0 credit
10% cooling efficiency improvement, 10.5 credit
Efficient fossil fuel water heater, 9.0 credit
Reduced air infiltration, 1.0 credit
Reduced lighting power, 14.0 credit

Building Area	Floor Area
1-Community Education (Office) : Nonresidential	10203

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor(a)
Roof: Insulation Entirely Above Deck, 3-Year-Aged Solar Reflectance Index = 99.00, Thermal Emittance = 0.86 (d), [Bldg. Use 1 - Community Education]	15250	---	25.0	0.039	0.039
Floor: Unheated Slab-On-Grade, [Bldg. Use 1 - Community Education] (c)	688	---	---	0.730	0.730
NORTH					
Ext. Wall: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Community Education]	1919	13.0	5.0	0.077	0.077
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID TBD, SHGC 0.25, [Bldg. Use 1 - Community Education] (b)	414	---	---	0.260	0.450
Door: Insulated Metal, Swinging, [Bldg. Use 1 - Community Education]	23	---	---	0.430	0.370
Door: Glass (over 50% glazing): Metal Frame, Entrance Door, Perf. Specs.: Product ID pending ID, SHGC 0.25, [Bldg. Use 1 - Community Education] (b)	43	---	---	0.260	0.770
EAST					
Ext. Wall: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Community Education]	1479	13.0	5.0	0.077	0.077
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID TBD, SHGC 0.25, [Bldg. Use 1 - Community	1008	---	---	0.260	0.450

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor(a)
Education] (b)					
Door: Glass (over 50% glazing): Metal Frame, Entrance Door, Perf. Specs.: Product ID TBD, SHGC 0.25, [Bldg. Use 1 - Community Education] (b)	179	---	---	0.260	0.770
SOUTH					
Ext. Wall: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Community Education]	1854	13.0	5.0	0.077	0.077
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID TBD, SHGC 0.25, [Bldg. Use 1 - Community Education] (b)	468	---	---	0.260	0.450
Door: Glass (over 50% glazing): Metal Frame, Entrance Door, Perf. Specs.: Product ID TBD, SHGC 0.25, [Bldg. Use 1 - Community Education] (b)	43	---	---	0.260	0.770
WEST					
Ext. Wall: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Community Education]	1637	13.0	5.0	0.077	0.077
Window: Metal Frame with Thermal Break: Fixed, Perf. Specs.: Product ID TBD, SHGC 0.25, [Bldg. Use 1 - Community Education] (b)	330	---	---	0.260	0.450
Door: Insulated Metal, Swinging, [Bldg. Use 1 - Community Education]	57	---	---	0.430	0.370
Door: Glass (over 50% glazing): Metal Frame, Entrance Door, Perf. Specs.: Product ID TBD, SHGC 0.25, [Bldg. Use 1 - Community Education] (b)	87	---	---	0.260	0.770

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.
(b) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.
(c) Slab-On-Grade proposed and budget U-factors shown in table are F-factors.
(d) High albedo roof requirement options: 1) 3-year aged solar reflectance index >= 55.0 thermal emittance >= 0.75, 2) 3-year aged solar reflectance index >= 64.0, 3) Initial year aged solar reflectance >= 0.70 thermal emittance >= 0.75, 4) Initial year aged solar reflectance index >= 82.0.

Envelope PASSES: Design 14% better than code

Envelope Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed envelope systems have been designed to meet the 2021 IECC requirements in COM*check* Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title Signature Date

COM*check* Software Version COMcheckWeb

Interior Lighting Compliance Certificate

Project Information

Energy Code:	2021 IECC
Project Title:	Coushatta Tribe - Education Building
Project Type:	New Construction

Construction Site:
1950 CC BEL Rd
Elton, Louisiana 70532

Owner/Agent:
COUSHATTA TRIBE OF LOUISIANA

Designer/Contractor:
REBECCA MUCHOW
NELSON WORLDWIDE
901 S MARQUETTE AVE
MINNEAPOLIS, Minnesota 55402
612-638-6324
rmuchow@nelsonww.com

Additional Efficiency Package(s)

Credits: 10.0 Required 34.5 Proposed
10% heating efficiency improvement, 0.0 credit
10% cooling efficiency improvement, 10.5 credit
Efficient fossil fuel water heater, 9.0 credit
Reduced air infiltration, 1.0 credit
Reduced lighting power, 14.0 credit

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts
1-Community Education (Office)	10203	0.64	6530
		Total Allowed Watts =	6530

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Fixture Watt.	E (C X D)
1-Community Education (Office)				
LED: A: Other:	1	82	42	3444
LED: A1: Other:	1	8	40	320
LED: B: Other:	1	20	20	400
LED: B2: Other:	1	25	17	425
LED: C: Other:	1	14	25	350
LED: E: Other:	1	8	30	240
LED: H: Other:	1	61	6	366
			Total Proposed Watts =	5545

Interior Lighting PASSES: Design 15% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2021 IECC requirements in COM*check* Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title Signature Date

COM*check* Software Version COMcheckWeb

Exterior Lighting Compliance Certificate

Project Information

Energy Code:	2021 IECC
Project Title:	Coushatta Tribe - Education Building
Project Type:	New Construction
Exterior Lighting Zone	1 (Developed rural area (LZ1))

Construction Site:
1950 CC BEL Rd
Elton, Louisiana 70532

Owner/Agent:
COUSHATTA TRIBE OF LOUISIANA

Designer/Contractor:
REBECCA MUCHOW
NELSON WORLDWIDE
901 S MARQUETTE AVE
MINNEAPOLIS, Minnesota 55402
612-638-6324
rmuchow@nelsonww.com

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts /	D Tradable Wattage	E Allowed Watts (B X C)
Entry canopy	2167 ft2	0.2	Yes	433
Pedestrian and vehicular entrances and exits	51 ft of	14	Yes	714
Plaza area	672 ft2	0.1	Yes	67
Parking area	11807 ft2	0.03	Yes	354
Driveway	6092 ft2	0.03	Yes	183
			Total Tradable Watts (a) =	1752
			Total Allowed Watts =	1752
			Total Allowed Supplemental Watts (b) =	350

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
(b) A supplemental allowance equal to 350 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Fixture Watt.	E (C X D)
Entry canopy (2167 ft2): Tradable Wattage				
LED: B1: Other:	1	21	16	336
Pedestrian and vehicular entrances and exits (51 ft of door width): Tradable Wattage				
LED: B1: Other:	1	2	16	32
LED: D: Other:	1	9	10	90
Plaza area (672 ft2): Tradable Wattage				
LED: G: Other:	1	45	2	90
Parking area (11807 ft2): Tradable Wattage				
LED: F: Other:	1	7	86	602
Driveway (6092 ft2): Tradable Wattage				
LED: F: Other:	1	1	86	86
LED: F2: Other:	1	1	86	86

Total Tradable Proposed Watts = 1322

Exterior Lighting PASSES: Design 37% better than code

Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2021 IECC requirements in COM*check* Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title Signature Date

COM*check* Software Version COMcheckWeb

Mechanical Compliance Certificate

Project Information

Energy Code:	2021 IECC
Project Title:	Coushatta Tribe - Education Building
Location:	Elton, Louisiana
Climate Zone:	2a
Project Type:	New Construction

Construction Site:
1950 CC BEL Rd
Elton, Louisiana 70532

Owner/Agent:
COUSHATTA TRIBE OF LOUISIANA

Designer/Contractor:
REBECCA MUCHOW
NELSON WORLDWIDE
901 S MARQUETTE AVE
MINNEAPOLIS, Minnesota 55402
612-638-6324
rmuchow@nelsonww.com

Additional Efficiency Package(s)

Credits: 10.0 Required 34.5 Proposed
10% heating efficiency improvement, 0.0 credit
10% cooling efficiency improvement, 10.5 credit
Efficient fossil fuel water heater, 9.0 credit
Reduced air infiltration, 1.0 credit
Reduced lighting power, 14.0 credit

Mechanical Systems List

Quantity System Type & Description

1 MAU-1 (Single Zone):
Heating: 1 each - Other, Electric, Capacity = 280 kBtu/h
No minimum efficiency requirement applies
Cooling: 1 each - DX DOAS (Dehumidification), Capacity = 207 kBtu/h, Air-Cooled Condenser, No Economizer,
Economizer exception: (null)
Proposed Efficiency = 8.40 ISMRE, Required Efficiency = 4.00 ISMRE
Proposed Part Load Efficiency = 0.00 , Required Part Load Efficiency = 0.00
Fan System: MAU-1 -- Compliance (Motor nameplate HP and fan efficiency method) : Passes

Fans:
MAU-1 Supply, Constant Volume, 3250 CFM, 2.0 motor nameplate hp, 0.00 fan energy index , fan exception: Fan array <= 5 total HP or <= 4.1 kW

1 HP-01/CU-01 (Single Zone):
Split System Heat Pump
Heating Mode: Capacity = 40 kBtu/h,
Proposed Efficiency = 8.50 HSPF2, Required Efficiency = 7.50 HSPF2
Cooling Mode: Capacity = 36 kBtu/h,
Proposed Efficiency = 19.50 SEER2, Required Efficiency = 14.30 SEER2
Proposed Part Load Efficiency = 0.00 , Required Part Load Efficiency = 0.00
Fan System: AA36NL -- Compliance (Motor nameplate HP and fan efficiency method) : Passes

Fans:
AA36NL Supply, Single-Zone VAV, 1200 CFM, 0.4 motor nameplate hp, 0.00 fan energy index , fan exception: Single fan < 1 HP or < 0.89 kW

1 HP-02/CU-02 (Single Zone):
Split System Heat Pump
Heating Mode: Capacity = 20 kBtu/h,
Proposed Efficiency = 10.00 HSPF2, Required Efficiency = 7.50 HSPF2
Cooling Mode: Capacity = 18 kBtu/h,
Proposed Efficiency = 17.30 SEER2, Required Efficiency = 14.30 SEER2
Proposed Part Load Efficiency = 0.00 , Required Part Load Efficiency = 0.00
Fan System: AA18NL -- Compliance (Motor nameplate HP and fan efficiency method) : Passes

Quantity System Type & Description

Fans:
AA18NL Supply, Single-Zone VAV, 600 CFM, 0.2 motor nameplate hp, 0.00 fan energy index , fan exception: Single fan < 1 HP or < 0.89 kW

1 HP-03/CU-03 (Single Zone):
Split System Heat Pump
Heating Mode: Capacity = 40 kBtu/h,
Proposed Efficiency = 8.50 HSPF2, Required Efficiency = 7.50 HSPF2
Cooling Mode: Capacity = 36 kBtu/h,
Proposed Efficiency = 19.50 SEER2, Required Efficiency = 14.30 SEER2
Proposed Part Load Efficiency = 0.00 , Required Part Load Efficiency = 0.00
Fan System: AA36NL -- Compliance (Motor nameplate HP and fan efficiency method) : Passes

Fans:
AA36NL Supply, Single-Zone VAV, 1200 CFM, 0.4 motor nameplate hp, 0.00 fan energy index , fan exception: Single fan < 1 HP or < 0.89 kW

1 HP-04/CU-04 (Single Zone):
Split System Heat Pump
Heating Mode: Capacity = 12 kBtu/h,
Proposed Efficiency = 9.10 HSPF2, Required Efficiency = 7.50 HSPF2
Cooling Mode: Capacity = 9 kBtu/h,
Proposed Efficiency = 15.80 SEER2, Required Efficiency = 14.30 SEER2
Proposed Part Load Efficiency = 0.00 , Required Part Load Efficiency = 0.00
Fan System: AA09NL -- Compliance (Motor nameplate HP and fan efficiency method) : Passes

Fans:
AA09NL Supply, Single-Zone VAV, 353 CFM, 0.2 motor nameplate hp, 0.00 fan energy index , fan exception: Single fan < 1 HP or < 0.89 kW

1 HP-05/CU-05 (Single Zone):
Split System Heat Pump
Heating Mode: Capacity = 40 kBtu/h,
Proposed Efficiency = 8.50 HSPF2, Required Efficiency = 7.50 HSPF2
Cooling Mode: Capacity = 36 kBtu/h,
Proposed Efficiency = 19.50 SEER2, Required Efficiency = 14.30 SEER2
Proposed Part Load Efficiency = 0.00 , Required Part Load Efficiency = 0.00
Fan System: AA36NL -- Compliance (Motor nameplate HP and fan efficiency method) : Passes

Fans:
AA36NL Supply, Single-Zone VAV, 1200 CFM, 0.4 motor nameplate hp, 0.00 fan energy index , fan exception: Single fan < 1 HP or < 0.89 kW

1 HP-06/CU-06 (Single Zone):
Split System Heat Pump
Heating Mode: Capacity = 24 kBtu/h,
Proposed Efficiency = 8.50 HSPF2, Required Efficiency = 7.50 HSPF2
Cooling Mode: Capacity = 28 kBtu/h,
Proposed Efficiency = 17.30 SEER2, Required Efficiency = 14.30 SEER2
Proposed Part Load Efficiency = 0.00 , Required Part Load Efficiency = 0.00
Fan System: AA24NL -- Compliance (Motor nameplate HP and fan efficiency method) : Passes

Fans:
AA24NL Supply, Single-Zone VAV, 742 CFM, 0.4 motor nameplate hp, 0.00 fan energy index , fan exception: Single fan < 1 HP or < 0.89 kW

1 HP-07/CU-07 (Single Zone):
Split System Heat Pump
Heating Mode: Capacity = 54 kBtu/h,
Proposed Efficiency = 8.50 HSPF2, Required Efficiency = 7.50 HSPF2
Cooling Mode: Capacity = 42 kBtu/h,
Proposed Efficiency = 18.30 SEER2, Required Efficiency = 14.30 SEER2
Proposed Part Load Efficiency = 0.00 , Required Part Load Efficiency = 0.00
Fan System: AA42NL -- Compliance (Motor nameplate HP and fan efficiency method) : Passes

Fans:
AA42NL Supply, Single-Zone VAV, 1483 CFM, 0.4 motor nameplate hp, 0.00 fan energy index , fan exception: Single fan < 1 HP or < 0.89 kW

Quantity System Type & Description

1 HP-08/CU-08 (Single Zone):
Split System Heat Pump
Heating Mode: Capacity = 40 kBtu/h,
Proposed Efficiency = 8.50 HSPF2, Required Efficiency = 7.50 HSPF2
Cooling Mode: Capacity = 0 kBtu/h,
Proposed Efficiency = 19.50 SEER2, Required Efficiency = 14.30 SEER2
Proposed Part Load Efficiency = 0.00 , Required Part Load Efficiency = 0.00
Fan System: AA36NL -- Compliance (Motor nameplate HP and fan efficiency method) : Passes

Fans:
AA36NL Supply, Single-Zone VAV, 1200 CFM, 0.4 motor nameplate hp, 0.00 fan energy index , fan exception: Single fan < 1 HP or < 0.89 kW

1 HP-09/CU-09 (Single Zone):
Split System Heat Pump
Heating Mode: Capacity = 40 kBtu/h,
Proposed Efficiency = 8.50 HSPF2, Required Efficiency = 7.50 HSPF2
Cooling Mode: Capacity = 36 kBtu/h,
Proposed Efficiency = 19.50 SEER2, Required Efficiency = 14.30 SEER2
Proposed Part Load Efficiency = 0.00 , Required Part Load Efficiency = 0.00
Fan System: AA36NL -- Compliance (Motor nameplate HP and fan efficiency method) : Passes

Fans:
AA36NL Supply, Single-Zone VAV, 1200 CFM, 0.4 motor nameplate hp, 0.00 fan energy index , fan exception: Single fan < 1 HP or < 0.89 kW

1 HP-10/CU-10 (Single Zone):
Split System Heat Pump
Heating Mode: Capacity = 20 kBtu/h,
Proposed Efficiency = 10.00 HSPF2, Required Efficiency = 7.50 HSPF2
Cooling Mode: Capacity = 18 kBtu/h,
Proposed Efficiency = 17.30 SEER2, Required Efficiency = 14.30 SEER2
Proposed Part Load Efficiency = 0.00 , Required Part Load Efficiency = 0.00
Fan System: AA18NL -- Compliance (Motor nameplate HP and fan efficiency method) : Passes

Fans:
AA18NL Supply, Single-Zone VAV, 600 CFM, 0.2 motor nameplate hp, 0.00 fan energy index , fan exception: Single fan < 1 HP or < 0.89 kW

1 HP-11/CU-11 (Single Zone):
Split System Heat Pump
Heating Mode: Capacity = 24 kBtu/h,
Proposed Efficiency = 8.50 HSPF2, Required Efficiency = 7.50 HSPF2
Cooling Mode: Capacity = 28 kBtu/h,
Proposed Efficiency = 17.30 SEER2, Required Efficiency = 14.30 SEER2
Proposed Part Load Efficiency = 0.00 , Required Part Load Efficiency = 0.00
Fan System: AA24NL -- Compliance (Motor nameplate HP and fan efficiency method) : Passes

Fans:
AA24NL Supply, Single-Zone VAV, 742 CFM, 0.4 motor nameplate hp, 0.00 fan energy index , fan exception: Single fan < 1 HP or < 0.89 kW

1 HP-12/CU-12 (Single Zone):
Split System Heat Pump
Heating Mode: Capacity = 24 kBtu/h,
Proposed Efficiency = 8.50 HSPF2, Required Efficiency = 7.50 HSPF2
Cooling Mode: Capacity = 28 kBtu/h,
Proposed Efficiency = 17.30 SEER2, Required Efficiency = 14.30 SEER2
Proposed Part Load Efficiency = 0.00 , Required Part Load Efficiency = 0.00
Fan System: AA24NL -- Compliance (Motor nameplate HP and fan efficiency method) : Passes

Fans:
AA24NL Supply, Single-Zone VAV, 742 CFM, 0.4 motor nameplate hp, 0.00 fan energy index , fan exception: Single fan < 1 HP or < 0.89 kW

1 WHP-01/WCU-01 (Single Zone):
Split System Heat Pump
Heating Mode: Capacity = 9 kBtu/h,
Proposed Efficiency = 13.00 HSPF2, Required Efficiency = 7.50 HSPF2
Cooling Mode: Capacity = 6 kBtu/h,

Quantity System Type & Description

Proposed Efficiency = 35.00 SEER2, Required Efficiency = 14.30 SEER2
Proposed Part Load Efficiency = 0.00 , Required Part Load Efficiency = 0.00
Fan System: FX06NL -- Compliance (Motor nameplate HP and fan efficiency method) : Passes

Fans:
FX06NL Supply, Single-Zone VAV, 420 CFM, 0.1 motor nameplate hp, 0.00 fan energy index , fan exception: Single fan < 1 HP or < 0.89 kW

1 WHP-02/WCU-02 (Single Zone):
Split System Heat Pump
Heating Mode: Capacity = 12 kBtu/h,
Proposed Efficiency = 10.00 HSPF2, Required Efficiency = 7.50 HSPF2
Cooling Mode: Capacity = 12 kBtu/h,
Proposed Efficiency = 20.00 SEER2, Required Efficiency = 14.30 SEER2
Proposed Part Load Efficiency = 0.00 , Required Part Load Efficiency = 0.00
Fan System: HX12NL -- Compliance (Motor nameplate HP and fan efficiency method) : Passes

Fans:
HX12NL Supply, Single-Zone VAV, 475 CFM, 0.1 motor nameplate hp, 0.00 fan energy index , fan exception: Single fan < 1 HP or < 0.89 kW

1 WH-1:
Gas Storage Water Heater, Capacity: 100 gallons, Input Rating: 199 kBtu/h w/ Circulation Pump
Proposed Efficiency: 97.00 % Et, Required Efficiency: 80.00 % Et

Mechanical Compliance Statement

Compliance Statement: The proposed mechanical design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2021 IECC requirements in COM*check* Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title Signature Date

COM*check* Software Version COMcheckWeb

Inspection Checklist

Energy Code: 2021 IECC

Requirements: 24.0% were addressed directly in the COM*check* software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C103.2 [PR1][1]	Plans and/or specifications provide all information with which compliance can be determined for the building envelope and document where exceptions to the standard are claimed.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C103.2 [PR2][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the mechanical and service water heating systems and document where exceptions to the standard are claimed. Load calculations per acceptable engineering standards and handbooks. Hot water system sized per manufacturer's sizing guide.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C103.2 [PR4][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C103.2 [PR8][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the exterior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include exterior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C402.4.1 [PR10][1]	The vertical fenestration area <= 30 percent of the gross above-grade wall area.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C402.4.1 [PR11][1]	The skylight area <= 3 percent of the gross roof area.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C402.4.2 [PR14][1]	In enclosed spaces > 2,500 ft2 directly under a roof with ceiling heights >15 ft. and used as an office, lobby, atrium, concourse, corridor, storage, gymnasium/exercise center, convention center, automotive service, manufacturing, non-refrigerated warehouse, retail store, distribution/sorting area, transportation, or workshop, the following requirements apply: (a) the daylight zone under skylights is >= half the floor area; (b) the skylight area to daylight zone is >= 3 percent with a skylight VT >= 0.40; or a minimum skylight effective aperture >= 1 percent.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C406 [PR9][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the additional energy efficiency package options.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

Section # & Req.ID	Footing / Foundation Inspection	Complies?	Comments/Assumptions
C303.2 [FO4][2]	Slab edge insulation installed per manufacturer's instructions.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C303.2.1 [FO6][1]	Exterior insulation protected against damage, sunlight, moisture, wind, landscaping and equipment maintenance activities.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C105 [FO3][2]	Installed slab-on-grade insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
C402.2.4 [FO7][2]	Slab edge insulation depth/length. Slab insulation extending away from building is covered by pavement or >= 10 inches of soil.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*

Additional Comments/Assumptions:

Section # & Req.ID	Framing / Rough-In Inspection	Complies?	Comments/Assumptions
C303.1.3 [FR12][2]	Fenestration products rated in accordance with NFRC certified and as to performance labels or certificates provided.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Default values are used.
C402.4.3 [FR10][1]	Vertical fenestration SHGC value.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
C402.4.3, C402.4.3.4 [FR8][1]	Installed vertical fenestration U-factor and SHGC consistent with label specifications and as reported in plans and COMcheck reports.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
C402.4.5 [FR14][2]	U-factor of opaque swinging and nonswinging doors associated with the building thermal envelope meets requirements.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
C402.5.1 [FR16][1]	The building envelope contains a continuous air barrier that is sealed in an approved manner and either constructed or tested in an approved manner. Air barrier penetrations are sealed in an approved manner.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C402.5.4 [FR18][3]	Factory-built fenestration and doors are labeled as meeting air leakage requirements.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Field fabricated fenestration assemblies.

Additional Comments/Assumptions:

Section # & Req.ID	Plumbing Rough-In Inspection	Complies?	Comments/Assumptions
C404.5, C404.5.1, C404.5.2 [PL6][3]	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C404.6.1, C404.6.2 [PL3][1]	Automatic time switches installed to automatically switch off the recirculating hot-water system or heat trace.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C404.6.3 [PL7][3]	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 5 minutes after end of heating cycle.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C404.6.1, C404.6.1.1 [PL8][3]	Demand recirculation water systems have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C402.2.6 [ME41][3]	Thermally ineffective panel surfaces of sensible heating panels have insulation >= R-3.5.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.12.3 [ME61][2]	HVAC piping insulation insulated in accordance with Table C403.11.3. Insulation exposed to weather is protected from damage and is provided with shielding from solar radiation.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.8.4 [ME142][2]	Motors for fans that are not less than 1/12 hp and less than 1 hp are electronically commutated motors or have a minimum motor efficiency of 70 percent. These motors have the means to adjust motor speed.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.8.6 [ME143][2]	Each DX cooling system > 65 kBtu and chiller water/evaporative cooling system with fans > 1/4 hp are designed to vary the indoor fan airflow as a function of load and comply with detailed requirements of this section.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.9 [ME144][2]	Large diameter fans where installed shall be tested and labeled in accordance with AMCA 230.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.13.1 [ME71][2]	Systems that heat outside the building envelope are radiant heat systems controlled by an occupancy sensing device or timer switch.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.3 [ME55][2]	HVAC equipment efficiency verified.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Mechanical Systems list for values.*
C403.2.2 [ME59][1]	Natural or mechanical ventilation is provided in accordance with International Mechanical Code Chapter 4. Mechanical ventilation has capability to reduce outdoor air supply to minimum per IMC Chapter 4.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.7.1 [ME59][1]	Demand control ventilation provided for spaces >500 ft2 and >15 people/1000 ft2 occupant density and served by systems with air side economizer, auto modulating outside air damper control, or design airflow >3,000 cfm.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.7.2 [ME115][3]	Enclosed parking garage ventilation has automatic contaminant detection and capacity to stage or modulate fans to 50% or less of design capacity.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.7.6 [ME141][3]	HVAC systems serving guestrooms in Group R-1 buildings with > 50 guestrooms: Each guestroom is provided with controls that automatically manage temperature setpoint and ventilation (see sections C403.7.6.1 and C403.7.6.2).	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C403.7.4 [ME57][1]	Exhaust air energy recovery on systems meeting Table C403.7.4(1) and C403.7.4(2).	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.7.5 [ME116][3]	Kitchen exhaust systems comply with replacement air and conditioned supply air limitations, and satisfy hood rating requirements and maximum exhaust rate criteria.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.12.1, C403.12.2 [ME60][2]	HVAC ducts and plenums insulated in accordance with C403.11.1 and constructed in accordance with C403.11.2, verification may need to occur during Foundation Inspection.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.4.1.4 [ME63][2]	Heating for vestibules and air curtains with integral heating include automatic controls that shut off the heating system when outdoor air temperatures > 45F. Vestibule heating and cooling systems controlled by a thermostat in the vestibule with heating setpoint <= 60F and cooling setpoint >= 80F.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C404.2.1 [ME111][2]	Gas-fired water-heating equipment installed in new buildings: where a singular piece of water-heating equipment >= 1,000 kBtu/h serves the entire building, thermal efficiency >= 92 Et. Where multiple pieces of water-heating equipment serve the building with combined rating >= 1,000 kBtu/h, the combined input-capacity-weighted-average thermal efficiency >= 90 Et. Exclude input rating of equipment in individual dwelling units and equipment <= 100 kBtu/h.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C408.2.2.1 [ME53][3]	Air outlets and zone terminal devices have means for air balancing.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.11.3, C403.11.3.1, C403.11.3.2 [ME123][3]	Refrigerated display cases, walk-in coolers or walk-in freezers served by remote compressors and remote condensers not located in a condensing unit, have fan-powered condensers that comply with Sections C403.11.3.1 and refrigeration compressor systems that comply with C403.11.3.2..	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.3.1 [EL22][1]	Spaces required to have light-reduction controls have a manual control that allows the occupant to reduce the connected lighting load in a reasonably uniform illumination pattern >= 50 percent.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.1, C405.2.1.1 [EL18][1]	Occupancy sensors installed in classrooms/lecture/training rooms, conference/meeting/multipurpose rooms, copy/print rooms, lounges/breakrooms, enclosed offices, open plan office areas, restrooms, storage rooms, locker rooms, corridors, warehouse storage areas, and other spaces <= 300 sqft that are enclosed by floor-to-ceiling height partitions. Reference section language C405.2.1.2 for control function in warehouses and section C405.2.1.3 for open plan office spaces.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.1.2 [EL19][1]	Occupancy sensors control function in warehouses: In warehouses, the lighting in aisleways and open areas is controlled with occupant sensors that automatically reduce lighting power by 50% or more within 20 minutes of when the areas are unoccupied. The occupant sensors control lighting in each aisleway independently and do not control lighting beyond the aisleway being controlled by the sensor. Lights not turned off by occupant sensors is done so by time-switch.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.1.3 [EL20][1]	Occupant sensor control function in open plan office areas: Occupant sensor controls in open office spaces >= 300 sq.ft. have controls 1) configured so that general lighting can be controlled separately in control zones with floor areas <= 600 sq.ft. within the space, 2) general lighting in each zone permitted to turn on upon occupancy in control zone, 3) automatically turn off general lighting in all control zones within 20 minutes after all occupants have left the space, 4) are configured so that general lighting power in each control zone is reduced by >= 80% of the full zone general lighting power within 20 minutes of all occupants leaving that control zone.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.2, C405.2.2.1 [EL21][2]	Each area not served by occupancy sensors (per C405.2.1.1) have time-switch controls and functions detailed in sections C405.2.2.1.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.4, C405.2.4.1, C405.2.4.2 [EL23][2]	Daylight zones provided with individual controls that control the lights independent of general area lighting. See code section C405.2.3 Daylight-responsive controls for applicable spaces, C405.2.3.1 Daylight responsive control function and section C405.2.3.2 Sidelit zone.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.5 [EL27][1]	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.2.7 [EL28][1]	Automatic lighting controls for exterior lighting installed. Controls will be daylight controlled, set based on business operation time-of-day, or reduce connected lighting > 30%.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.7 [EL26][2]	Low-voltage dry-type distribution electric transformers meet the minimum efficiency requirements of Table C405.6.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C405.8 [EL27][2]	Electric motors meet the minimum efficiency requirements of Tables C405.7(1) through C405.7(4). Efficiency verified through certification under an approved certification program or the equipment efficiency ratings shall be provided by motor manufacturer (where certification programs do not exist).	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.9.1, C405.9.2 [EL28][2]	Escalators and moving walks comply with ASME A17.1/CSA B44 and have automatic controls configured to reduce speed to the minimum permitted speed in accordance with ASME A17.1/CSA B44 or applicable local code when not conveying passengers.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C405.10 [EL29][2]	Total voltage drop across the combination of feeders and branch circuits <= 5%.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.1.1 [EL30][2]	At least 90% of dwelling unit permanently installed lighting shall have lamp efficacy >= 65 lm/W or luminaires with efficacy >= 45 lm/W or comply with C405.2.4 or C405.3.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C405.11, C405.11.1 [EL31][2]	50% of 15/20 amp receptacles installed in enclosed offices, conference rooms, copy rooms, break rooms, classrooms and workstations and > 25% of branch circuit feeders for modular furniture will have automatic receptacle control in accordance with C405.11.1.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

Section # & Req.ID	Insulation Inspection	Complies?	Comments/Assumptions
C303.1 [IN3][1]	Roof insulation installed per manufacturer's instructions and is labeled with R-value or insulation certificate providing R-value and other relevant data. Blown or poured loose-fill insulation is installed only where the roof slope is <=3 in 12.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C402.2.1 [IN20][1]	Roof assembly meets minimal thermal resistance installed between roof framing or in a continuous fashion on the roof assembly as stipulated in Table C402.1.3. Requirements for above deck insulation, minimum thickness, suspended ceilings, staggered joints and skylight curbs will be met.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C303.2 [IN7][1]	Above-grade wall insulation installed per manufacturer's instructions.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C105 [IN6][1]	Installed above-grade wall insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
C402.2.3 [IN8][2]	Installed floor insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
C402.2.6 [IN18][3]	Radiant panels and associated components, designed for heat transfer from the panel surfaces to the occupants or indoor space are insulated with a minimum of R-3.5.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C402.3 [IN5][3]	High-albedo roofs satisfy one of the following: 3-year-aged solar reflectance >= 0.55 and thermal emittance >= 0.75 or 3-year-aged solar reflectance index >= 64.0.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C105 [IN2][1]	Installed roof insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports. For some ceiling systems, verification may need to occur during Framing Inspection.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
C402.5.1.1 [IN1][1]	All sources of air leakage in the building thermal envelope are sealed, caulked, gasketed, weather stripped or wrapped with moisture vapor-permeable wrapping material to minimize air leakage.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C303.3, C408.2.5.2 [FI17][3]	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C303.3, C408.2.5.3 [FI8][3]	Furnished O&M manuals for HVAC systems within 90 days of system acceptance.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C401.3 [FI58][1]	A thermal envelope certificate will be supplied and completed by an approved third party.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C402.5.10 [FI26][3]	Recessed luminaires in thermal envelope to limit infiltration and be IC rated and labeled. Seal between interior finish and luminaire housing.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C402.5.11 [FI59][1]	Operable openings > 40 ft2 will be interlocked with heating and cooling systems to setback setpoint temperatures within 10 minutes of opening.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Entrance doors located in exterior wall as part of a vestibule.
C402.5.8 [FI37][1]	Weatherseals installed on all loading dock cargo door openings and provide direct contact along the top and sides of vehicles parked in the doorway.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C403.1.1 [FI50][3]	HVAC systems and equipment design loads calculated in accordance with ANSI/ASHRAE/ACCA Standard 183 or by an approved equivalent computational procedure	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.3.1 [FI27][3]	HVAC systems and equipment capacity does not exceed calculated loads.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.4.1 [FI47][3]	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.4.1.1 [FI42][3]	Heat pump controls prevent supplemental electric resistance heat from coming on when not needed.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.4.1.2 [FI38][3]	Thermostatic controls have a 5 °F deadband.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.4.1.3 [FI20][3]	Temperature controls have setpoint overlap restrictions.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C403.4.2 [FI39][3]	Each zone equipped with setback controls using automatic time clock or programmable control system.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.4.2.1, C403.4.2.2 [FI40][3]	Automatic Controls: Setback to 55°F (heat) and 85°F (cool); 7-day clock, 2-hour occupant override, 10-hour backup	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C403.4.2.3 [FI41][3]	Systems include optimum start controls.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C404.3 [FI11][3]	Heat traps installed on supply and discharge piping of non-circulating systems.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C404.4 [FI25][2]	All piping insulated in accordance with section details and Table C403.12.3.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C404.6.1 [FI12][3]	Controls are installed that limit the operation of a recirculation pump installed to maintain temperature of a storage tank. System return pipe is a dedicated return pipe or a cold water supply pipe.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.5.1 [FI19][1]	Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Exterior Lighting fixture schedule for values.*
C406.2.3 [FI66][1]	10% heating efficiency improvement - all HVAC and Plant heating equipment is 10% more efficient than required by 2021 IECC.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C406.2.4 [FI66][1]	10% cooling efficiency improvement - all HVAC and Plant cooling equipment is 10% more efficient than required by 2021 IECC.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C406.3 [FI67][1]	Reduced lighting power - this credit specifies that the connected lighting power is >= 10% more efficient than 2021 IECC requirements.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C406.7.3 [FI53][1]	Reduced energy use in service water heating - the hot water heating system shall have a capacity weighted average fossil fuel water heating efficiency at least 95 thermal efficiency or 0.95 EF.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C406.9 [FI56][1]	Reduced air infiltration energy - the measured air-leakage rate of the building envelope is lower than 0.25 cfm/ft2. Comprehensive report documentation will be submitted to the code official and the building owner.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C408.1.1 [FI57][1]	Building operations and maintenance documents will be provided to the owner. Documents will cover manufacturers' information, specifications, programming procedures and means of illustrating to owner how building, equipment and systems are intended to be installed, maintained, and operated.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.1 [FI28][1]	Commissioning plan developed by registered design professional or approved agency.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C408.2.3.1 [FI31][1]	HVAC equipment, systems and system-to-system relationships have been tested to ensure proper operation.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C408.2.3.2 [FI10][1]	HVAC and service water heating control systems have been tested to ensure proper operation, calibration and adjustment of controls.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C408.2.4 [FI29][1]	Preliminary commissioning report completed and certified by registered design professional or approved agency.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C408.2.5 [FI7][3]	Furnished HVAC as-built drawings submitted within 90 days of system acceptance.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C408.2.5 [FI16][3]	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C408.2.5.1 [FI43][1]	An air and/or hydronic system balancing report is provided for HVAC systems.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C408.2.5.2 [FI30][1]	Final commissioning report due to building owner within 90 days of receipt of certificate of occupancy.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C408.3 [FI33][1]	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

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COUSHATTA TRIBE OF LOUISIANA

COUSHATTA TRIBE - EDUCATION BUILDING

1950 CC BEL RD
ELTON, LA 70532

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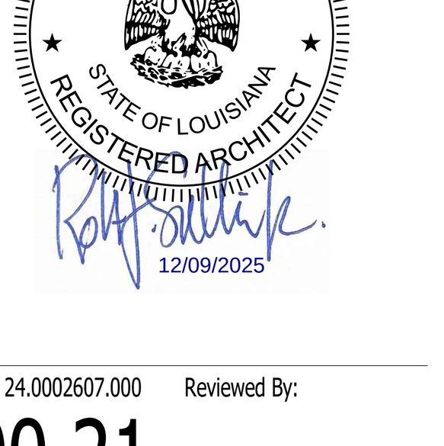
BUILDING ENVELOPE COMPLIANCE



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INDEX OF SHEETS

UTILITY NOTE

THE LOCATION OF UNDERGROUND UTILITIES SHOWN ARE BASED ON OBSERVED EVIDENCE AND AVAILABLE PLANS. LACKING EXCAVATION, THE EXACT LOCATION OF UNDERGROUND FEATURES CANNOT BE ACCURATELY, COMPLETELY, AND RELIABLY DEPICTED. OTHER UTILITIES MAY EXIST AND NOT BE SHOWN HEREON.

DATUM INFO

THE BEARING DATUM FOR THIS TOPOGRAPHY IS BASED ON NAD 83, LAMBERT, LOUISIANA, SOUTH ZONE, US SURVEY FEET. VERTICAL DATUM IS NAVD88.

ADJACENT PROJECT NOTE

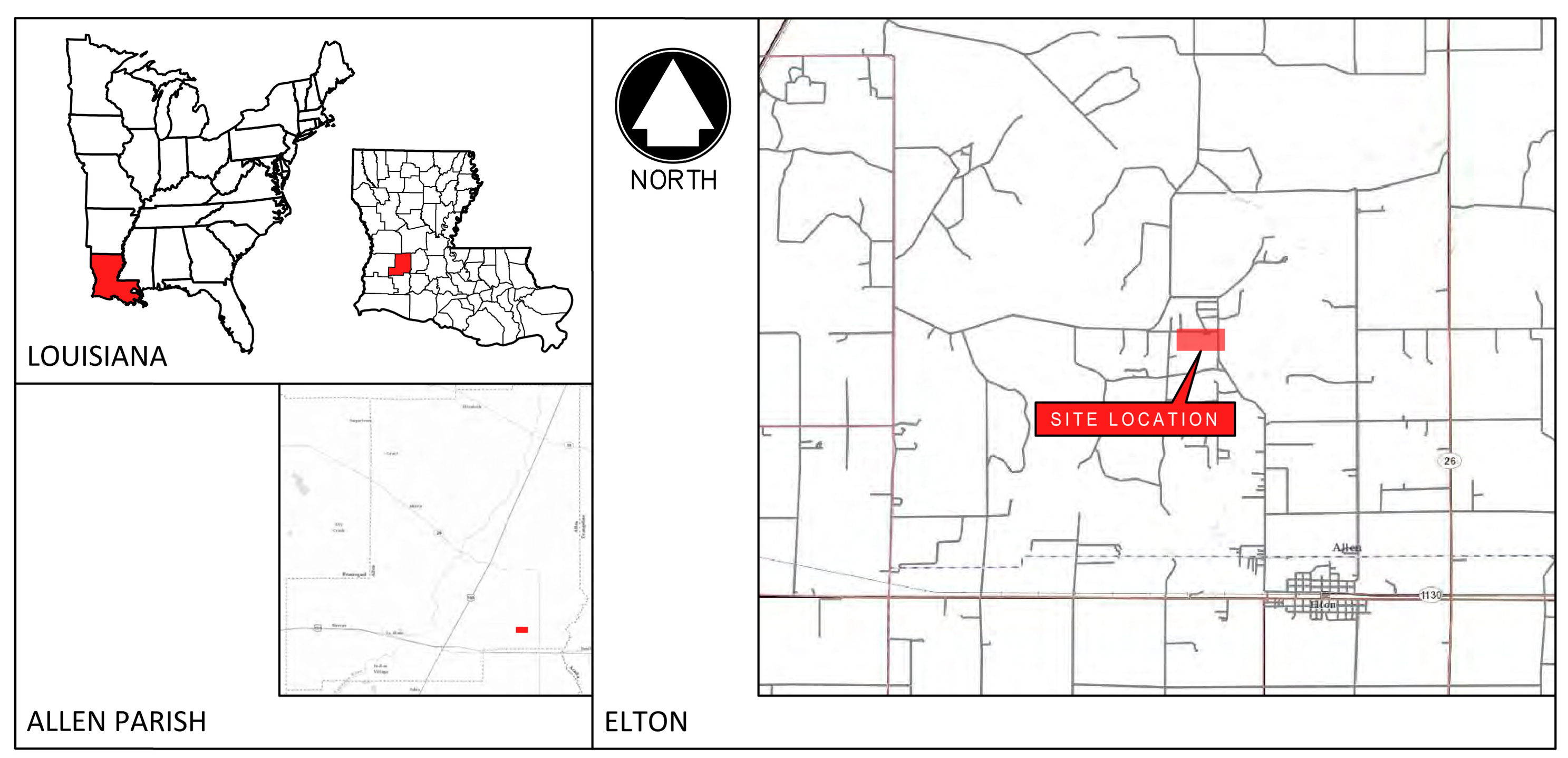
ROADWAY AND PARKING INFRASTRUCTURE SHOWN ADJACENT TO BUILDING SITE HEREIN ARE PART OF A SEPARATE PROJECT. FOR PROJECT DETAILS AND PLANS PLEASE CONTACT THE DESIGN ENGINEER BELOW:

QK4, INC.
MASON MEREDITH
MMEREDITH@QK4.COM
(502)773-3900

SITE CONSTRUCTION PLANS

COUSHATTA EDUCATION BUILDING

1940 CC Bel Road
Elton, LA 70532



LOCATION MAP
NO SCALE

Louisiana 811

BEFORE YOU DIG

THE CONTRACTOR IS INSTRUCTED TO CALL 1–800–272–3020 TO REACH LOUISIANA 811, THE ONE–CALL SYSTEM FOR INFORMATION ON THE LOCATION OF EXISTING UNDERGROUND UTILITIES. THE CALL IS TO BE PLACED A MINIMUM OF TWO (2) AND NO MORE THAN TEN (10) BUSINESS DAYS PRIOR TO EXCAVATION. THE CONTRACTOR SHOULD BE AWARE THAT OWNERS OF UNDERGROUND FACILITIES ARE NOT REQUIRED TO BE MEMBERS OF THE LOUISIANA 811 ONE–CALL BEFORE–U–DIG (BUD) SERVICE. THE CONTRACTOR MUST COORDINATE EXCAVATION WITH THE UTILITY OWNERS, INCLUDING THOSE WHO DO NOT SUBSCRIBE TO LOUISIANA 811. IT MAY BE NECESSARY FOR THE CONTRACTOR TO CONTACT THE COUNTY COURT CLERK TO DETERMINE WHICH UTILITY COMPANIES HAVE FACILITIES IN THE AREA.

1 CIVIL COVER
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GENERAL NOTES

1. CONTRACTOR SHALL KEEP ALL SURROUNDING PUBLIC ROADWAYS AND DRAINAGE SYSTEMS FREE FROM DIRT, MUD, AND CONSTRUCTION DEBRIS AT ALL TIMES AND SHALL PROVIDE ALL NECESSARY EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) BMPS. ALL BMPS SHALL BE INSTALLED PER LOCAL AND STATE STANDARDS PRIOR TO ANY SITE CONSTRUCTION ACTIVITY.
2. CONTRACTOR SHALL VISIT THE SITE AND VERIFY EXISTING CONDITIONS ARE CONSISTENT WITH THE EXISTING CONDITIONS DEPICTED ON THE CONSTRUCTION PLANS PRIOR TO SUBMITTING BIDS. DISCREPANCIES ARE TO BE REPORTED TO THE OWNER'S ENGINEER PRIOR TO STARTING CONSTRUCTION. COMMENCEMENT OF CONSTRUCTION SHALL INDICATE THAT THE CONTRACTOR ACCEPTS THE ACTUAL SITE CONDITIONS AS MATCHING THE EXISTING CONDITIONS DEPICTED ON THE CONSTRUCTION PLANS.
3. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL ORDINANCES, REGULATIONS, AND REQUIREMENTS NECESSARY TO COMPLETE THE WORK; THIS INCLUDES PROVISIONS FOR MAINTENANCE OF TRAFFIC, CONSTRUCTION, AND THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA).
4. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY LABOR, MATERIAL, EQUIPMENT, TOOLS, AND SERVICES REQUIRED TO COMPLETE CONSTRUCTION AND MATERIAL TESTING FOR THE WORK. ALL WORK SHALL BE PERFORMED IN A SAFE AND REASONABLE WORKING MANNER IN ACCORDANCE WITH THE BEST PRACTICES AND PROCEDURES.
5. CONTRACTOR SHALL VERIFY ELEVATIONS OF ALL EXISTING CATCH BASINS, STORM PIPES, ETC. WITHIN PROJECT LIMITS. CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO OWNER'S ENGINEER IMMEDIATELY.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY ITEMS DAMAGED DURING CONSTRUCTION, INCLUDING PLANT MATERIAL NOT DESIGNATED FOR REMOVAL.
7. ALL EARTHWORK, INCLUDING ROCK REMOVAL WORK, IS BEING SPECIFIED AS UNCLASSIFIED. CONTRACTOR TO ASSUME ALL COSTS FOR ANY REQUIRED ROCK REMOVAL AND FOR ANY REQUIRED SOIL IMPORT OR EXPORT. CONTRACTOR SHALL ACKNOWLEDGE THAT THIS SCOPE OF WORK IS INCLUDED IN THEIR SUBMITTED BID.
8. LIMITS OF CONSTRUCTION AND CONTRACTOR STAGING AREAS SHALL BE LIMITED TO AREAS DESIGNATED BY THE OWNER.
9. DIMENSIONS PROVIDED HEREIN ARE TO FACILITATE THE BIDDING PROCESS AND ARE NOT INTENDED TO BE SUFFICIENT DETAIL FOR CONSTRUCTION LAYOUT. LAYOUT INFORMATION SHALL BE PROVIDED TO THE SELECTED CONTRACTOR AFTER THEY INDICATE THEIR PREFERRED FORMAT (COORDINATES, STATION/OFFSET, AUTOCAD DIGITAL FILE, ETC.).
10. ALL UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE. INDIVIDUAL SERVICE LINES ARE NOT SHOWN. THE CONTRACTOR OR SUBCONTRACTOR SHALL NOTIFY THE UTILITY PROTECTION CENTER "LOUISIANA 811" (TOLL FREE PHONE NO. 1-800-272-3020) FORTY-EIGHT (48) HOURS IN ADVANCE OF ANY CONSTRUCTION ON THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR BECOMING FAMILIAR WITH ALL UTILITY REQUIREMENTS SET FORTH ON THE PLANS AND IN THE TECHNICAL SPECIFICATIONS AND SPECIAL PROVISIONS.
11. IF ANY UTILITY LINES ARE ENCOUNTERED DURING CONSTRUCTION, EXTREME CAUTION SHOULD BE EXERCISED AND THE UTILITY COMPANY NOTIFIED IMMEDIATELY. ANY DAMAGES SHALL BE REPAIRED IMMEDIATELY AT THE DIRECTION OF THE UTILITY COMPANY, INCLUDING TEMPORARY AND PERMANENT WORK, AT NO ADDITIONAL EXPENSE TO OWNER/DEVELOPER.
12. ALL UNSUITABLE MATERIAL, INCLUDING CONSTRUCTION DEBRIS, EXCESS CONSTRUCTION MATERIAL, CONCRETE WASHOUT MATERIAL, AND OTHER DISCARDED MATERIAL, SHALL BE REMOVED AND PROPERLY DISPOSED OF AND NOT USED AS EMBANKMENT.
13. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY CONTROL POINT, SURVEY, LAYOUT, AND CONSTRUCTION STAKING FOR CONSTRUCTION PURPOSES.
14. THE CONTRACTOR, WHEN WORKING ADJACENT TO AN EXISTING TRAVELED WAY, SHALL NOT PERFORM ANY WORK WITHOUT THE PROPER ADVANCE WARNING AND SPEED LIMIT SIGNS, BARRICADES, SAFETY DEVICES, ETC., AS REQUIRED FOR THE PROTECTION OF THE TRAVELING PUBLIC AND THE CONTRACTOR'S PERSONNEL.
15. THE CONTRACTOR SHALL AT ALL TIMES KEEP THE TRAVELING PUBLIC PROTECTED FROM THEIR EQUIPMENT AND STORED MATERIALS.
16. ANY AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE CONSTRUCTION LIMITS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AS DIRECTED AND APPROVED BY THE ENGINEER AND OWNER/DEVELOPER. THE COST OF THESE REPAIRS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
17. AREAS REQUIRING TEMPORARY SEEDING FOR EROSION CONTROL AND OTHER AREAS REQUIRING TEMPORARY PROTECTION SHALL BE DESIGNATED BY THE ENGINEER DURING CONSTRUCTION. THE RATE OF APPLICATION FOR TEMPORARY SEEDING SHALL BE AS FOLLOWS:
    SEED (PERENNIAL RYE GRASS) 2.5 LBS./1,000 S.F.
    FERTILIZER (10-10-10) 12 LBS./1,000 S.F.
    STRAW MULCH 3 TONS/AC.
    BITUMINOUS MATERIAL 300 GAL./AC.
18. CRUSHED STONE SHALL BE PLACED AND COMPACTED IN SEPARATE COURSES.
19. A MINIMUM OF TWELVE (12) INCHES OF COVER OVER ALL CULVERT PIPES IS REQUIRED. A MINIMUM OF SIX (6) INCHES OF CONCRETE ENCASEMENT FOR ANY PIPE WITH REDUCED COVER IS REQUIRED.
20. BACKFILL AROUND DRAINAGE STRUCTURES AND TRENCH BACKFILL BELOW THE MIDPOINT OF PIPE CULVERTS SHALL BE #57 STONE. BACKFILL ABOVE THE MIDPOINT SHALL BE OF ACCEPTABLE MATERIALS AND COMPACTED TO EMBANKMENT REQUIREMENTS.
21. CONTRACTOR SHALL GUARANTEE AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP FOR ONE (1) YEAR FROM DATE OF COMPLETION.
22. AT COMPLETION, REMOVE RUBBISH, DEBRIS, EQUIPMENT, AND EXCESS MATERIAL FROM SITE. CLEAN ADJOINING SURFACES WHICH WERE SOILED BY ASPHALT CONCRETE PAVEMENT WORK.
23. ALL EMBANKMENT BACKFILL AND SUBGRADE MATERIALS SHALL BE CONSTRUCTED AND COMPACTED TO 95% OF MAXIMUM DENSITY AND PLUS 2 OR MINUS 4 PERCENT OF THE OPTIMUM MOISTURE CONTENT. SEE GEOTECHNICAL REPORT.
24. CONTRACTOR SHALL UTILIZE A REGISTERED GEOTECHNICAL ENGINEER TO TEST, VERIFY, AND REPORT TO PROVIDE SATISFACTORY ASSURANCE OF EMBANKMENT AND PAVEMENT STABILITY. ALL EMBANKMENT SECTIONS IN EXCESS OF FOUR (4) FEET IN DEPTH SHOULD BE TESTED AT ONE (1) FOOT LAYERS.
25. ANY UNSUITABLE SOILS AND OTHER MATERIALS ENCOUNTERED DURING CONSTRUCTION SHALL BE REMOVED TO THE DEPTH AND WIDTH SPECIFIED BY THE GEOTECHNICAL ENGINEER. THE EXCAVATION WILL BE BACKFILLED WITH SELECTED MATERIALS AND PLACED IN ACCORDANCE WITH EMBANKMENT SPECIFICATIONS.
26. SITE EMBANKMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH LaDOTD STANDARD SPECIFICATIONS, LATEST EDITION.

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COVER SHEET

Mason Meredith

Digitally signed by Mason Meredith
DN: cn=Mason Meredith, o=Qk4, Inc., ou, email=mmeredith@qk4.com, c=US
Date: 2025.12.19 10:49:08 -05'00'

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MASON MEREDITH
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IN
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ENGINEER
LIC#: 50170

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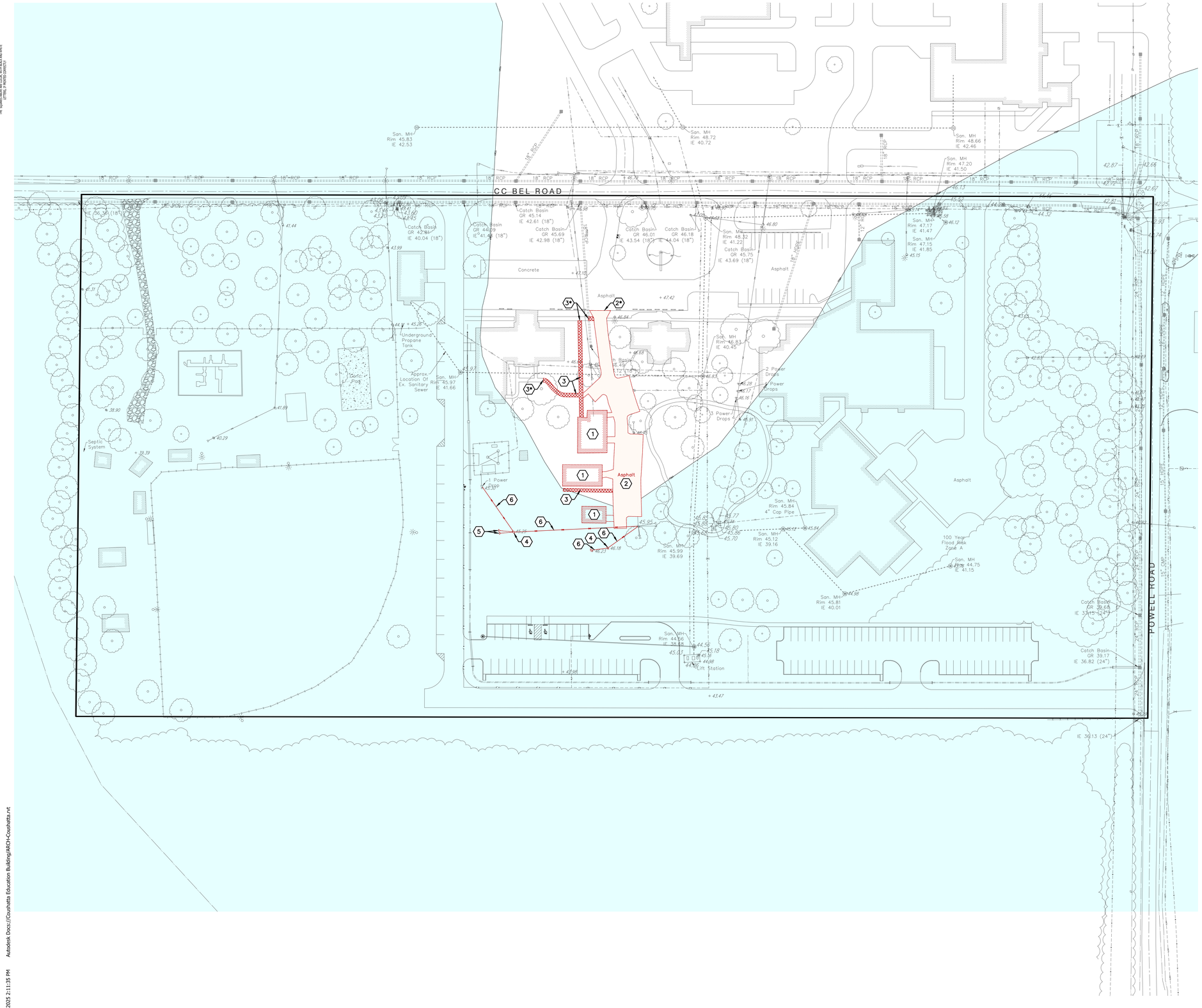

1 C1.01 CIVIL EXISTING CONDITIONS& DEMOLITION PLAN
1" = 50'-0"

LEGEND- SITE PLANS

- PROPERTY LINE
- FEMA — FEMA FLOOD PLAIN
- 610 — MAJOR CONTOUR
- 611 — MINOR CONTOUR
- TREE
- OHE — OVERHEAD ELECTRIC LINE
- UGE — UNDERGROUND ELECTRIC
- UGT — UNDERGROUND TELEPHONE
- UGF — UNDERGROUND FIBER
- ELECTRIC MANHOLE
- ELECTRIC UTILITY POLE
- ELECTRIC POLE W/TRANSFORMER
- ELECTRIC LIGHT POLE
- ELECTRIC LIGHT POLE
- ELECTRIC GUY WIRE ANCHOR
- 3/4"W — WATER LINE
- 3"W — WATER LINE
- 6"W — WATER LINE
- 8"W — WATER LINE
- WATER FIRE HYDRANT
- WATER METER
- WATER VALVE
- SANITARY SEWER PIPE
- FM — SANITARY SEWER FORCE MAIN
- SAN. SEWER MANHOLE
- STREAM
- STORM CATCH BASIN
- TELEPHONE PEDESTAL
- X — X — X — FENCE
- TREELINE
- BUILDING
- ROADWAY CENTERLINE
- EDGE OF GRAVEL
- 100-YEAR FLOOD ZONE
- CONCRETE PAVEMENT
- GRAVEL PAVEMENT
- ASPHALT PAVEMENT (TO BE REMOVED)
- CONCRETE SIDEWALK (TO BE REMOVED)
- SAW CUT LINE

FLOODPLAIN NOTE

THIS SITE IS LOCATED WITHIN SPECIAL FLOOD HAZARD AREA 'ZONE A' ACCORDING TO FEMA FIRM PANEL 22003C0425D DATED 3/17/2011. THIS ZONE IS CLASSIFIED AS FLOODPLAIN WITHOUT SPECIFIC BASE FLOOD ELEVATION.

HYDRAULIC & HYDROLOGIC FLOODPLAIN MODELING OF THE SURROUNDING AREA PERFORMED BY QK4 YIELDED A 100-YR BASE FLOOD ELEVATION OF 43.00.

GENERAL NOTES- SITE PLANS

A. USE CAUTION WHEN COMPLETING DEMOLITION IN AREA OF EXISTING PAVEMENT AND CURBING SO AS NOT TO DISTURB OR DAMAGE EXISTING UNDERGROUND UTILITIES.

B. ANY UNEXPECTED FILLS OR UNDERGROUND FACILITIES THAT ARE ENCOUNTERED SHALL BE REMOVED AND THE EXCAVATION THOROUGHLY CLEANED PRIOR TO BACKFILL PLACEMENT AND/OR CONSTRUCTION.

C. PRIOR TO DISCONNECTING AND/OR REMOVING ANY EXISTING UTILITY APPURTENANCE, CONTRACTOR SHALL COORDINATE WITH OWNER & UTILITY COMPANY REGARDING APPROPRIATE DISCONNECTION PRACTICES.

D. CONTRACTOR SHALL VERIFY GRATE ELEVATIONS OF ALL EXISTING CATCH BASINS, STORM PIPES, ETC. WITHIN PROJECT LIMITS. CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO OWNER'S ENGINEER IMMEDIATELY.

E. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY ITEMS DAMAGED DURING CONSTRUCTION, INCLUDING PLANT MATERIAL NOT DESIGNATED FOR REMOVAL.

F. ALL UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL UTILITY STANDARDS, LOCAL CODES, AND STATE CODES. GENERAL CONTRACTOR TO BE RESPONSIBLE FOR ALL FEES ASSOCIATED WITH NEW UTILITY SERVICE, INCLUDING WATER, FIRE, IRRIGATION, ELECTRIC, CABLE, TELEPHONE, ETC.

G. IF ANY DISCREPANCIES ARE FOUND BETWEEN CIVIL SHEETS, CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY FOR DIRECTION.

H. USE CAUTION WHEN COMPLETING DEMOLITION IN AREA OF EXISTING PAVEMENT AND CURBING SO AS NOT TO DISTURB OR DAMAGE EXISTING UNDERGROUND UTILITIES.

UTILITY NOTE

THE LOCATION OF UNDERGROUND UTILITIES SHOWN ARE BASED ON OBSERVED EVIDENCE AND AVAILABLE SURVEY. LACKING EXCAVATION, THE EXACT LOCATION OF UNDERGROUND FEATURES CANNOT BE ACCURATELY, COMPLETELY, AND RELIABLY DEPICTED. OTHER UTILITIES MAY EXIST AND NOT BE SHOWN HEREON. CONTRACTOR SHALL NOTIFY OWNER IMMEDIATELY UPON DISCOVERY OF ANY UTILITY NOT SHOWN.

KEYED NOTES:

1. DEMOLISH EXISTING BUILDING STRUCTURE AND ASSOCIATED FOUNDATIONS AND SLABS. DISCONNECT ALL UTILITY SERVICE CONNECTIONS IN ACCORDANCE WITH UTILITY PROVIDER PROCEDURE. BACKFILL ANY EXCAVATED AREA IN ACCORDANCE WITH EMBANKMENT STANDARDS NOTED IN GEOTECHNICAL REPORT AND ENSURE POSITIVE DRAINAGE ACROSS AREA.
2. SAW CUT AND REMOVE EXISTING ASPHALT PAVEMENT AND ROCK SUBBASE MATERIALS. REMOVE EXISTING SUBGRADE TO A DEPTH NECESSARY TO ACCOMMODATE PROPOSED PAVEMENT SECTION. BACKFILL ANY EXCAVATED AREA IN ACCORDANCE WITH EMBANKMENT STANDARDS AND ENSURE POSITIVE DRAINAGE ACROSS AREA.
   * SAW CUT EXISTING PAVEMENT ALONG THIS LINE.
3. SAW CUT AND REMOVE EXISTING CONCRETE WALK & ROCK SUBBASE MATERIALS. BACKFILL ANY EXCAVATED AREA IN ACCORDANCE WITH EMBANKMENT STANDARDS AND ENSURE POSITIVE DRAINAGE ACROSS AREA.
   * SAW CUT EXISTING SIDEWALK ALONG THIS LINE.
4. REMOVE EXISTING UTILITY POLE.
5. REMOVE EXISTING GUY WIRE AND ANCHOR.
6. REMOVE EXISTING OVERHEAD ELECTRIC SERVICE. COORDINATE WITH ELECTRIC UTILITY REGARDING ABANDONMENT PROCEDURE.
7. REMOVE EXISTING WATER APPURTENANCE. COORDINATE WITH WATER UTILITY REGARDING ABANDONMENT PROCEDURE.

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EXISTING CONDITIONS & DEMOLITION PLAN

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LIC#: 50170

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TRUE NORTH PROJECT NORTH

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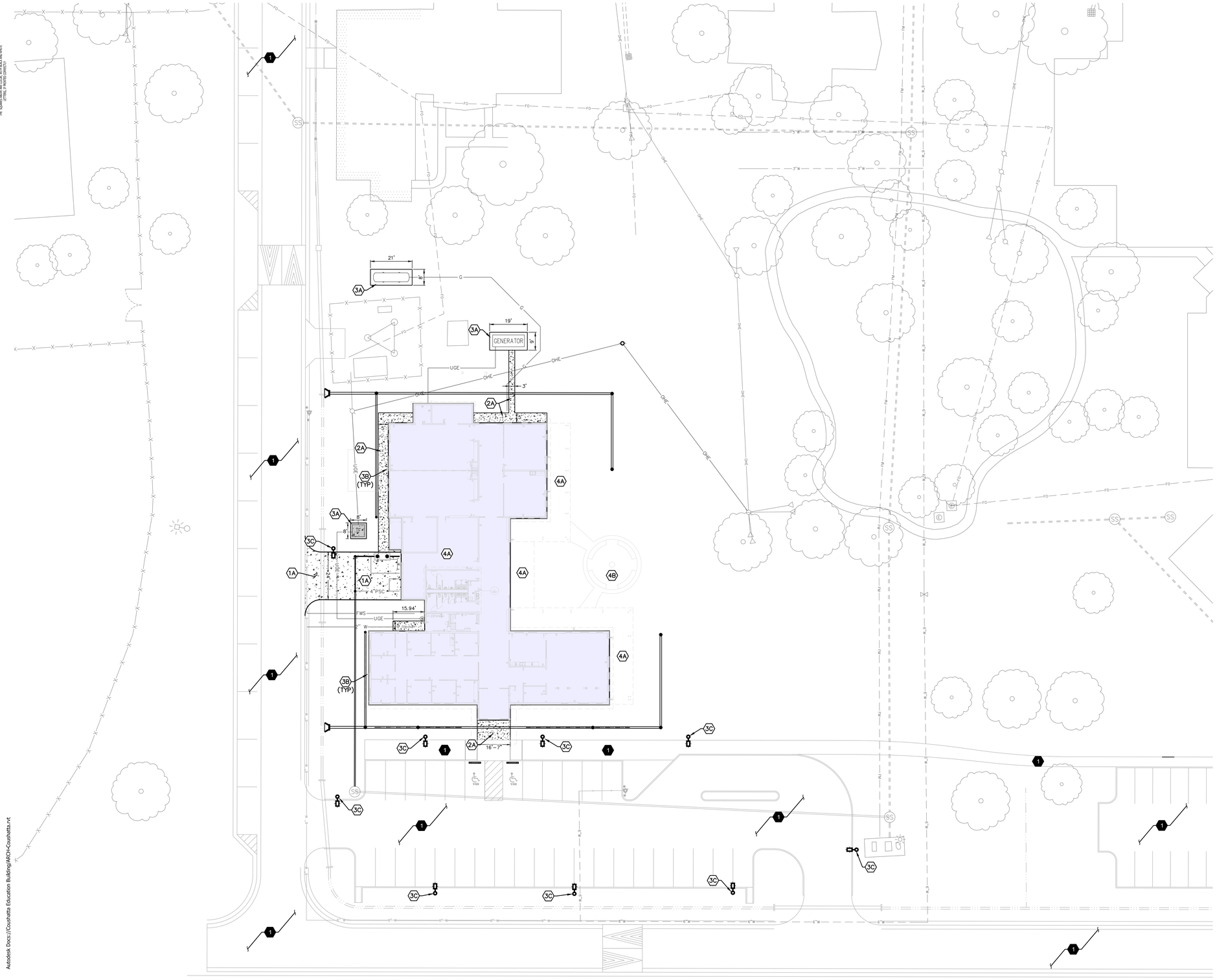

1 CIVIL LAYOUT PLAN
C2.01 1" = 20'-0"

GENERAL NOTES- SITE PLANS

A. USE CAUTION WHEN COMPLETING DEMOLITION IN AREA OF EXISTING PAVEMENT AND CURBING SO AS NOT TO DISTURB OR DAMAGE EXISTING UNDERGROUND UTILITIES.

B. ANY UNEXPECTED FILLS OR UNDERGROUND FACILITIES THAT ARE ENCOUNTERED SHALL BE REMOVED AND THE EXCAVATION THOROUGHLY CLEANED PRIOR TO BACKFILL PLACEMENT AND/OR CONSTRUCTION.

C. PRIOR TO DISCONNECTING AND/OR REMOVING ANY EXISTING UTILITY APPURTENANCE, CONTRACTOR SHALL COORDINATE WITH OWNER & UTILITY COMPANY REGARDING APPROPRIATE DISCONNECTION PRACTICES.

D. CONTRACTOR SHALL VERIFY GRATE ELEVATIONS OF ALL EXISTING CATCH BASINS, STORM PIPES, ETC. WITHIN PROJECT LIMITS. CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO OWNER'S ENGINEER IMMEDIATELY.

E. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY ITEMS DAMAGED DURING CONSTRUCTION, INCLUDING PLANT MATERIAL NOT DESIGNATED FOR REMOVAL.

F. ALL UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL UTILITY STANDARDS, LOCAL CODES, AND STATE CODES. GENERAL CONTRACTOR TO BE RESPONSIBLE FOR ALL FEES ASSOCIATED WITH NEW UTILITY SERVICE, INCLUDING WATER, FIRE, IRRIGATION, ELECTRIC, CABLE, TELEPHONE, ETC.

G. IF ANY DISCREPANCIES ARE FOUND BETWEEN CIVIL SHEETS, CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY FOR DIRECTION.

H. USE CAUTION WHEN COMPLETING DEMOLITION IN AREA OF EXISTING PAVEMENT AND CURBING SO AS NOT TO DISTURB OR DAMAGE EXISTING UNDERGROUND UTILITIES.

UTILITY NOTE

THE LOCATION OF UNDERGROUND UTILITIES SHOWN ARE BASED ON OBSERVED EVIDENCE AND AVAILABLE SURVEY. LACKING EXCAVATION, THE EXACT LOCATION OF UNDERGROUND FEATURES CANNOT BE ACCURATELY, COMPLETELY, AND RELIABLY DEPICTED. OTHER UTILITIES MAY EXIST AND NOT BE SHOWN HEREON. CONTRACTOR SHALL NOTIFY OWNER IMMEDIATELY UPON DISCOVERY OF ANY UTILITY NOT SHOWN.

(#) KEYNOTES:

1. ROADWAY CONSTRUCTION:
   1.A. INSTALL CONCRETE PAVEMENT SECTION WHERE INDICATED BY HATCH PATTERN. SEE DETAIL 1, SHEET C6.01.
2. SIDEWALK CONSTRUCTION:
   2.A. CONSTRUCT CONCRETE SIDEWALK WHERE INDICATED BY HATCH PATTERN AND TO DIMENSIONS SHOWN. SEE DETAIL 2, SHEET C6.01.
3. UTILITIES:
   3.A. INSTALL CONCRETE UTILITY EQUIPMENT PAD PER DIMENSIONS SHOWN.
   3.B. INSTALL DOWNSPOUT BOOT AND CONNECT TO ADJACENT STORM HEADER PIPE PER DETAIL 5, SHEET C6.01.
   3.C. INSTALL LIGHT POLE AND BASE IN APPROXIMATE LOCATION SHOWN. SEE ELECTRICAL PLANS FOR DETAILS. CONDUIT AND WIRING SHALL BE INSTALLED VIA DIRECTIONAL DRILLING BENEATH EXISTING PAVEMENT WHEN FEASIBLE.
4. MISCELLANEOUS STRUCTURES
   4.A. PROPOSED BUILDING AND COVERED PATIO. SEE ARCHITECTURAL PLANS.
   4.B. PROPOSED LANDSCAPE ELEMENT. SEE LANDSCAPING PLANS.

KEYNOTES: (NOT INCLUDED IN THIS CONTRACT)

1. ROADWAY/PARKING/SIDEWALK INFRASTRUCTURE NOT INCLUDED IN AS PART OF THIS CONTRACT. NOTED ITEMS WILL BE IN PLACE PRIOR TO CONSTRUCTION.

PAVEMENT LEGEND

1A — CONCRETE PAVEMENT SECTION
7" CLASS A 4000 PSI CONCRETE PAVEMENT
4" DGA (No. 610 LIMESTONE)
COMPACTED SUBGRADE

2A — STANDARD DUTY CONCRETE SIDEWALK SECTION
4" CLASS A 3500 PSI CONCRETE PAVEMENT
4" DGA (No. 610 LIMESTONE)
COMPACTED SUBGRADE

3A — CONCRETE UTILITY EQUIPMENT PAD SECTION
8" CLASS A 4000 PSI CONCRETE
4" DGA (No. 610 LIMESTONE)
COMPACTED SUBGRADE

PAVEMENT NOTES:

- ALL MATERIALS AND INSTALLATION SHOULD MEET THE CURRENT LaDOTD STANDARD SPECIFICATIONS FOR ROADS & BRIDGES (LSSRB)
- GRADED AGGREGATE BASE SHOULD BE COMPACTED TO A MINIMUM OF 98% OF THE MATERIAL'S MODIFIED PROCTOR (ASTM D-1557, METHOD C) MAXIMUM DRY DENSITY
- WHERE BASE COURSE THICKNESS EXCEEDS 6 INCHES, THE MATERIAL SHOULD BE PLACED AND COMPACTED IN TWO OR MORE LIFTS OF EQUAL THICKNESS
- PROPER JOINT SPACING WILL BE REQUIRED FOR PCC PAVEMENT TO PREVENT EXCESSIVE SLAB CURLING AND SHRINKAGE CRACKING. JOINTS SHOULD BE SEALED TO PREVENT ENTRY OF FOREIGN MATERIAL AND DOWELED WHERE NECESSARY FOR LOAD TRANSFER.
- CONCRETE FOR RIGID PAVEMENTS SHOULD HAVE A MIN. 28-DAY COMPRESSIVE STRENGTH OF 4,000 PSI, AND BE PLACED WITH A MAXIMUM SLUMP OF 4 INCHES.

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ELTON, LA 70532

Issue:	No:	Date:
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LAYOUT PLAN

STATE OF LOUISIANA
MASON MEREDITH
License No. 50170
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

ENGINEER
LIC#: 50170

Proj #: 24.0002607.000 Reviewed By:

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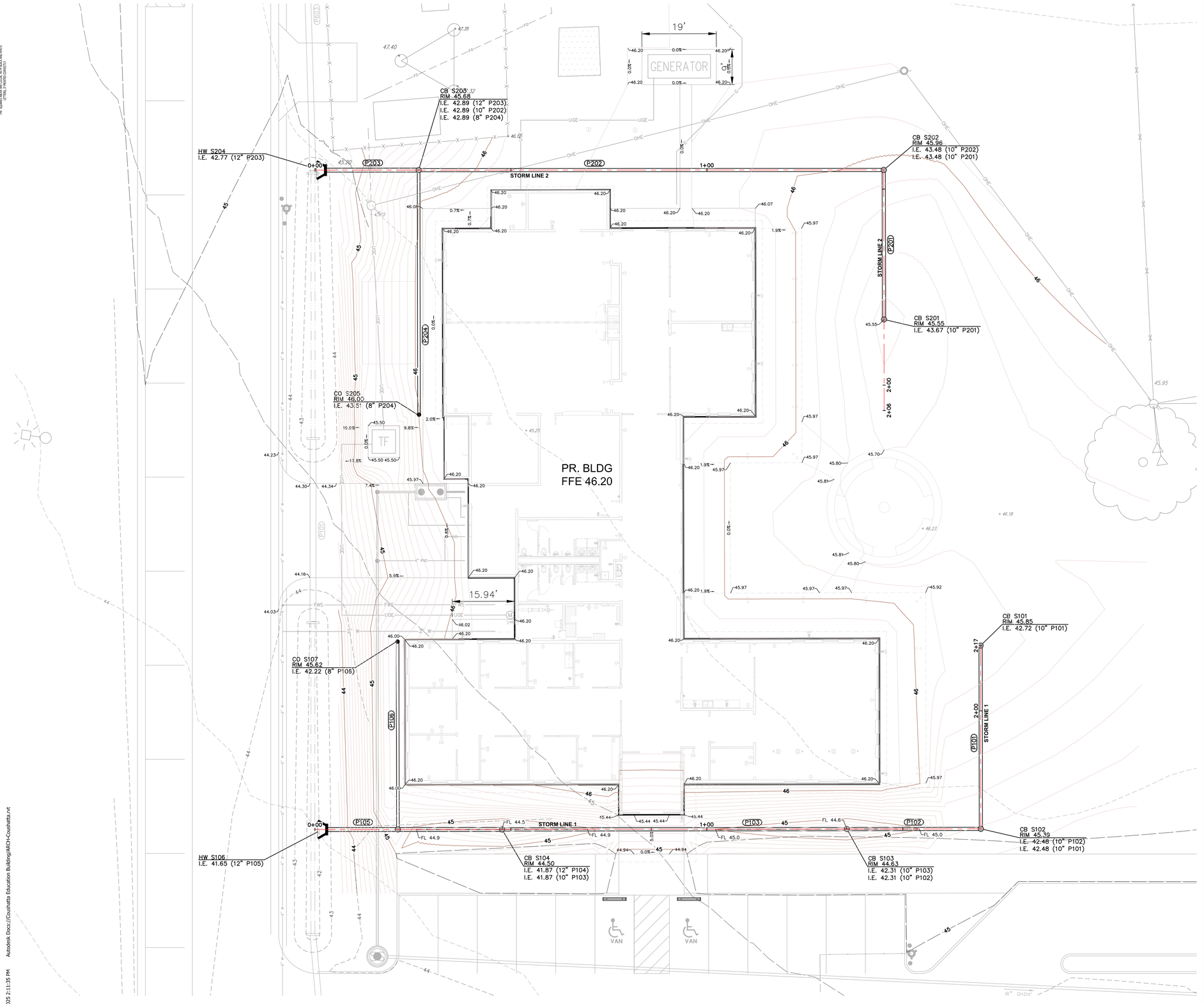

1 C3.01 CIVIL GRADING & DRAINAGE PLAN
1" = 10'-0"

GRADING & DRAINAGE NOTES

A. CONTRACTOR SHALL PERFORM FINAL GRADING OPERATIONS WITHIN PAVED AREAS, BUILDING PAD AND SURROUNDING GRASS AREAS AS NECESSARY TO FACILITATE FINISH GRADES AND SPOT ELEVATIONS INDICATED ON PLANS.

B. ALL GRADES MUST PROVIDE EFFECTIVE DRAINAGE AWAY FROM THE BUILDING DURING AND AFTER CONSTRUCTION AND SHOULD BE MAINTAINED THROUGHOUT THE LIFE OF THE STRUCTURE.

C. CONTRACTOR SHALL PERFORM EARTHWORK OPERATIONS AND PREPARE THE BUILDING PAD AND PAVEMENT AREAS IN STRICT ADHERENCE TO THE RECOMMENDATIONS OF THE LATEST GEOTECHNICAL REPORT. COORDINATE GRADING OPERATIONS WITH NOTES IN THE GEOTECHNICAL REPORT.

D. EXISTING GRADE TIE-IN POINTS SHOWN HEREIN ARE ASSUMED BASED ON TOPOGRAPHIC SURVEY DATA AND MAY VARY BASED ON EXACT FIELD CONDITIONS. PROPOSED GRADING SHALL TIE INTO EXISTING GRADE AT A MINIMUM 5% SLOPE AND SHALL ENSURE EFFECTIVE DRAINAGE TOWARD NEARBY STORMWATER DRAINAGE INFRASTRUCTURE.

E. CONTRACTOR SHALL VERIFY ALL CRITICAL INVERT ELEVATIONS OF EXISTING STORM PIPES, ETC. WITHIN PROJECT LIMITS. CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.

F. CONTRACTOR SHALL PROOF ROLL ALL PAVED AREAS AND WITHIN THE BUILDING FOOTPRINT PRIOR TO PLACING STONE AND/OR PAVEMENT. ANY SOFT AREAS SHALL BE REPORTED TO THE GEOTECHNICAL ENGINEER IMMEDIATELY.

G. BACKFILL AROUND DRAINAGE STRUCTURES AND TRENCH BACKFILL BELOW THE MIDPOINT OF PIPE CULVERTS SHALL BE #57 STONE. BACKFILL ABOVE THE MIDPOINT SHALL BE OF ACCEPTABLE MATERIALS AND COMPACTED TO EMBANKMENT REQUIREMENTS.

H. TOPSOIL SHALL BE STOCKPILED AND PRESERVED FROM EROSION OR DISPERSAL BOTH DURING AND AFTER SITE GRADING OPERATIONS.

I. WHERE CONSTRUCTION OR LAND DISTURBANCE ACTIVITY WILL OR HAS TEMPORARILY CEASED ON ANY PORTION OF THE SITE, TEMPORARY SITE STABILIZATION MEASURES SHALL BE REQUIRED AS SOON AS PRACTICAL, BUT NO LATER THAN 14 CALENDAR DAYS AFTER THE ACTIVITY HAS CEASED.

J. PERMANENT STABILIZATION MEASURES SHALL BE IMPLEMENTED IN ACCORDANCE WITH THE LANDSCAPE PLANS.

STRUCTURE SCHEDULE

NAME	TYPE	RIM/TW EL.	I.E. IN	I.E. OUT
S101	15" Nyloplast Drain Basin	45.85'	(P101) 42.72	
S102	15" Nyloplast Drain Basin	45.39'	(P102) 42.48	(P101) 42.48
S103	15" Nyloplast Drain Basin	44.63'	(P103) 42.31	(P102) 42.31
S104	15" Nyloplast Drain Basin	44.50'	(P104) 41.87	(P103) 41.87
S105	15" Nyloplast Drain Basin	45.18'	(P105) 41.74	(P104) 41.74 (P106) 41.74
S106	Concrete Winged Headwall	43.04'		(P105) 41.65
S107	6" PVC Cleanout	45.62'	(P106) 42.22	
S201	15" Nyloplast Drain Basin	45.55'	(P201) 43.67	
S202	15" Nyloplast Drain Basin	45.96'	(P202) 43.48	(P201) 43.48
S203	15" Nyloplast Drain Basin	45.68'	(P203) 42.89	(P202) 42.89 (P204) 42.89
S204	Concrete Winged Headwall	44.37'		(P203) 42.77
S205	6" PVC Cleanout	46.00'	(P204) 43.51	

PIPE SCHEDULE

NAME	SIZE	TYPE	LENGTH	SLOPE
P101	10"	Corrugated HDPE Pipe	46.75'	-0.50%
P102	10"	Corrugated HDPE Pipe	34.19'	-0.50%
P103	10"	Corrugated HDPE Pipe	87.98'	-0.50%
P104	12"	Corrugated HDPE Pipe	26.55'	-0.50%
P105	12"	Corrugated HDPE Pipe	17.85'	-0.50%
P106	8"	Corrugated HDPE Pipe	47.92'	-1.00%
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P202	10"	Corrugated HDPE Pipe	118.66'	-0.50%
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GRADING & DRAINAGE PLAN

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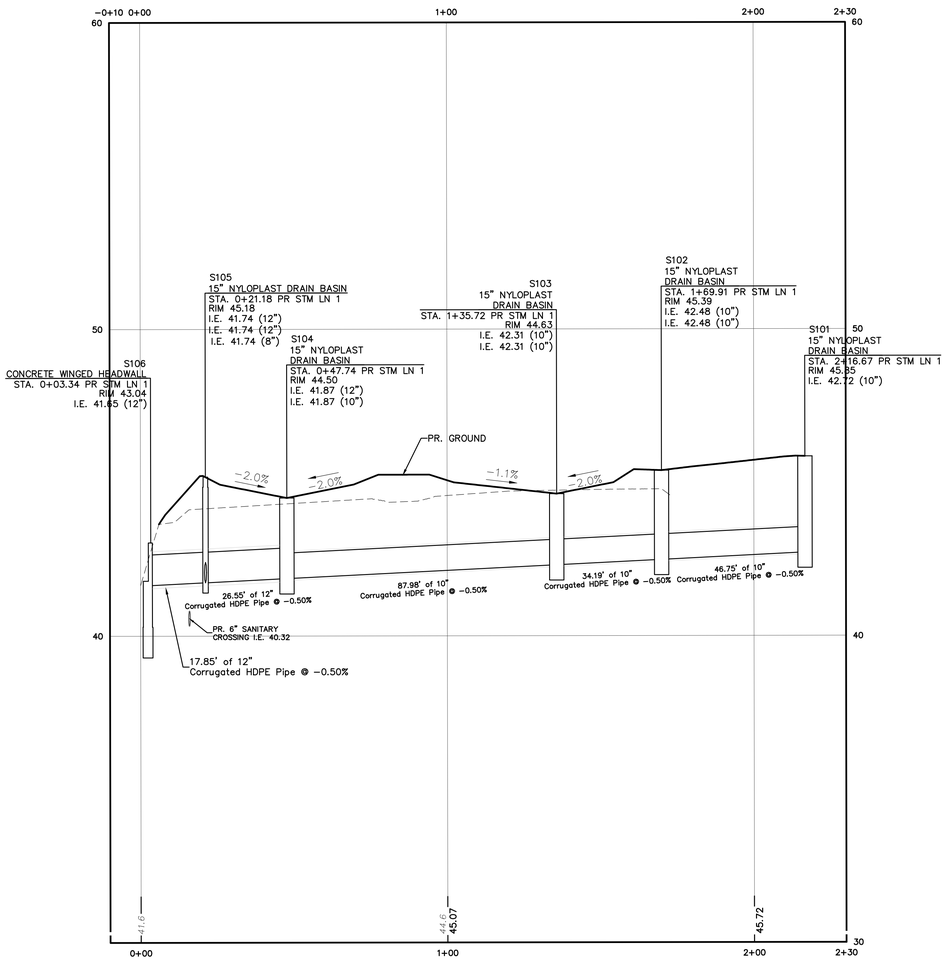

PR STM LN 1 PROFILE
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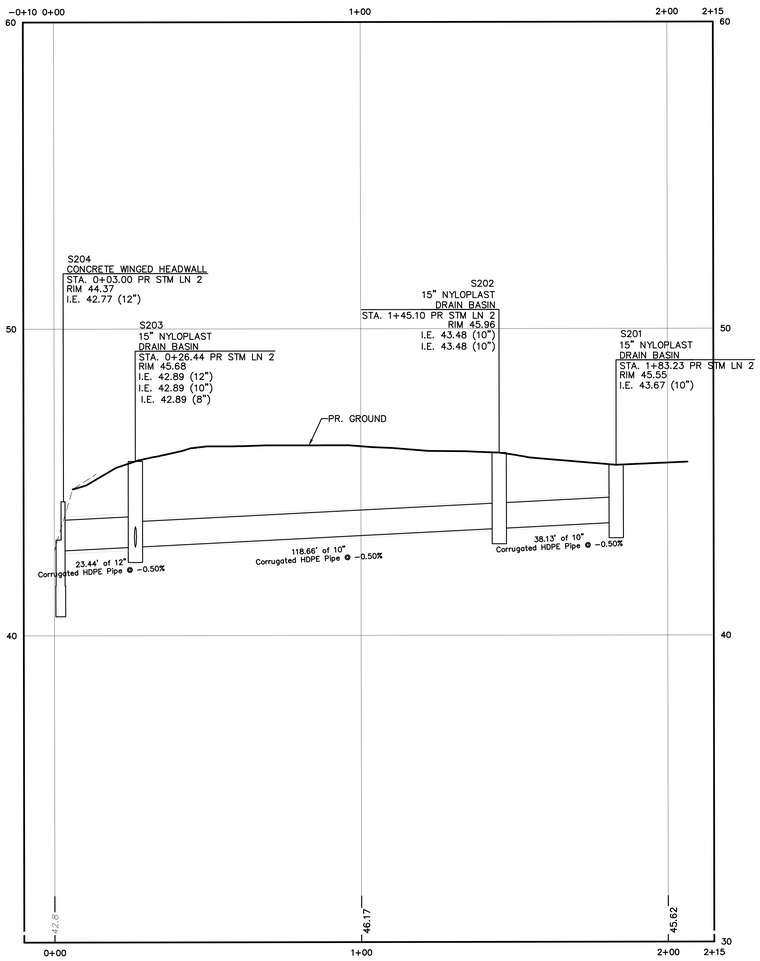

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DRAINAGE PROFILES

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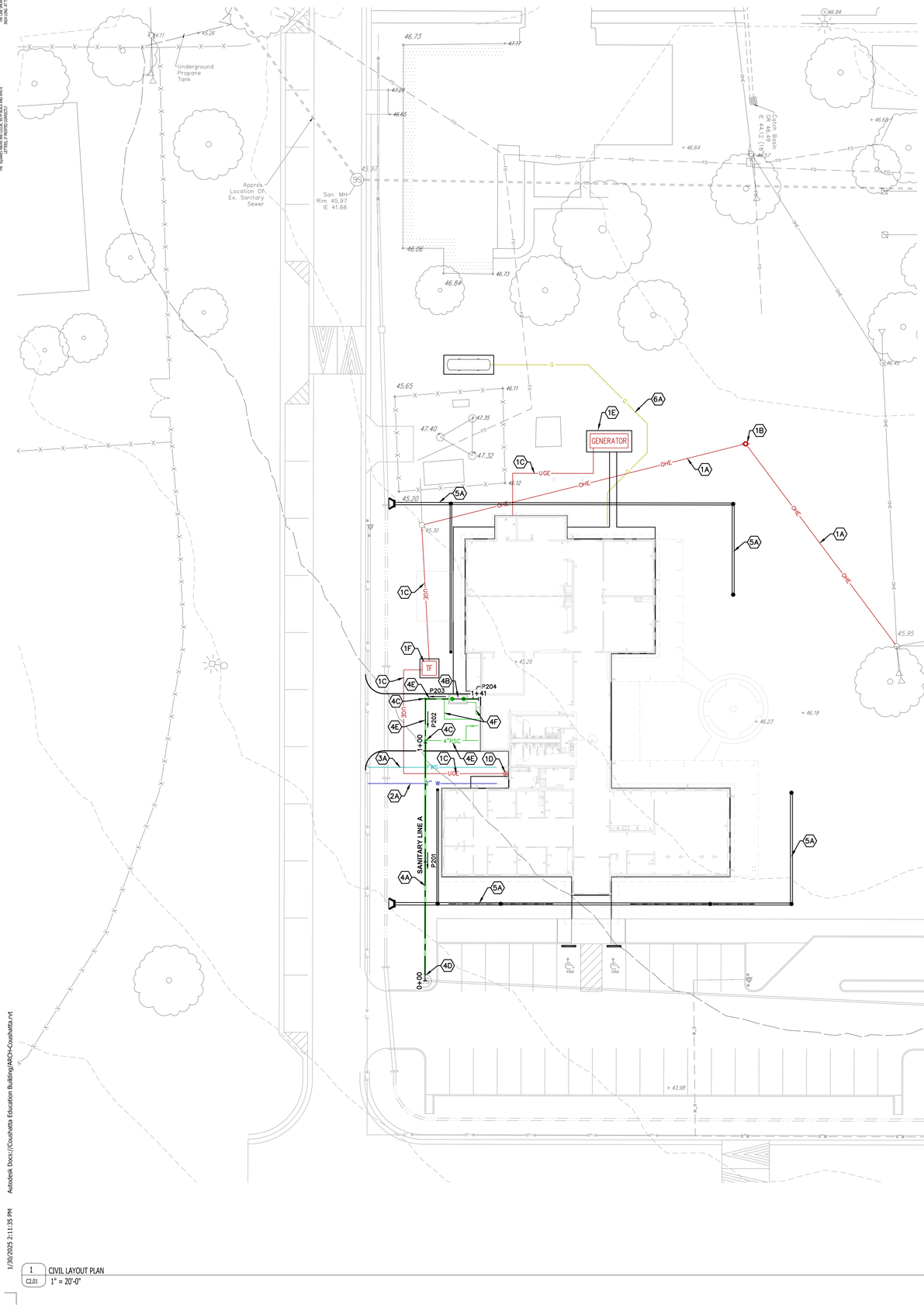

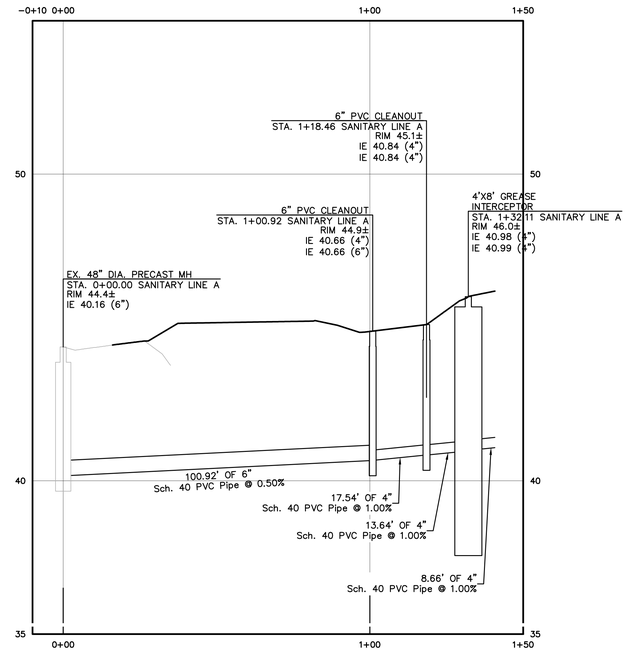

SANITARY LINE A PROFILE
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(#) KEYNOTES:

1. ELECTRIC:
   - 1.A. INSTALL OVERHEAD ELECTRIC SERVICE. COORDINATE WITH ELECTRIC UTILITY FOR INSTALLATION PROCEDURE.
   - 1.B. INSTALL NEW ELECTRIC POLE FOR OVERHEAD SERVICE ROUTING. COORDINATE WITH ELECTRIC UTILITY FOR INSTALLATION PROCEDURE.
   - 1.C. INSTALL UNDERGROUND ELECTRIC SERVICE. SEE ELECTRICAL PLANS FOR DETAIL.
   - 1.D. INSTALL ELECTRIC UTILITY METER AND C. T. CABINET. SEE ELECTRICAL PLANS FOR DETAIL..
   - 1.E. INSTALL CONCRETE EQUIPMENT PAD AND BACKUP GENERATOR. SEE ELECTRICAL PLANS AND DETAIL 3, SHEET C6.1.
   - 1.F. INSTALL PAD-MOUNTED TRANSFORMER IN APPROXIMATE LOCATION SHOWN. SEE ELECTRICAL PLANS FOR DETAIL..
2. DOMESTIC WATER:
   - 2.A. INSTALL 2" DOMESTIC WATER SERVICE LINE IN APPROXIMATE LOCATION SHOWN. SEE PLUMBING PLANS FOR BUILDING CONNECTION DETAILS.
3. FIRE SERVICE:
   - 3.A. INSTALL FIRE WATER SERVICE LINE. SEE PLUMBING PLANS FOR SIZE AND BUILDING CONNECTION DETAILS.
4. SANITARY SEWER:
   - 4.A. INSTALL 6" SCH. 40 PVC SANITARY SEWER PIPE. SEE SANITARY PIPE SCHEDULE FOR DETAIL. REFER TO PLUMBING PLANS FOR BUILDING CONNECTION DETAILS.
   - 4.B. INSTALL GREASE INTERCEPTOR IN APPROXIMATE LOCATION SHOWN. SEE PLUMBING PLANS FOR DETAIL.
   - 4.C. INSTALL 6" SANITARY SEWER CLEANOUT PER DETAIL 4, SHEET C6.01.
   - 4.D. TIE INTO EXISTING SANITARY MANHOLE UTILIZING EXISTING PIPE STUB.
   - 4.E. INSTALL 4" SCH. 40 PVC SANITARY SEWER PIPE. SEE SANITARY PIPE SCHEDULE FOR DETAIL. REFER TO PLUMBING PLANS FOR BUILDING CONNECTION DETAILS.
   - 4.F. INSTALL 3" SANITARY VENT LINES. REFER TO PLUMBING PLANS FOR DETAIL..
5. STORM SEWER:
   - 5.A. INSTALL STORM DRAINAGE INFRASTRUCTURE WHERE INDICATED. SEE DRAINAGE PLAN, SHEET C3.01.
6. PROPANE GAS:
   - 6.A. INSTALL 2" PROPANE GAS SERVICE IN APPROXIMATE LOCATION SHOWN FROM BUILDING TO PROPOSED TANK LOCATION. REFER TO M.E.P. PLANS FOR EXACT LOCATION OF BUILDING ENTRY.

SANITARY STRUCTURE SCHEDULE

NAME	TYPE	RIM/TW EL.	I.E. IN	I.E. OUT
EX. MH SS101	Ex. 48" Dia. Precast MH	44.36'	(P201) 40.16	
SS201	6" PVC Cleanout	44.88'	(P202) 40.66	(P201) 40.66
SS202	6" PVC Cleanout	45.09'	(P203) 40.84	(P202) 40.84
SS203	4'x8' Grease Interceptor	46.00'	(P204) 40.99	(P203) 40.98

SANITARY PIPE SCHEDULE

NAME	SIZE	TYPE	LENGTH	SLOPE
P201	6"	Sch. 40 PVC Pipe	100.92'	0.50%
P202	4"	Sch. 40 PVC Pipe	17.54'	1.00%
P203	4"	Sch. 40 PVC Pipe	13.64'	1.00%
P204	4"	Sch. 40 PVC Pipe	8.66'	1.00%

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UTILITY PLAN

STATE OF LOUISIANA
MASON MEREDITH
License No. 50170
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

ENGINEER
LIC#: 50170

Proj #: 24.0002607.000 Reviewed By:

C4.01

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1 C2.01 CIVIL LAYOUT PLAN
1" = 20'-0"

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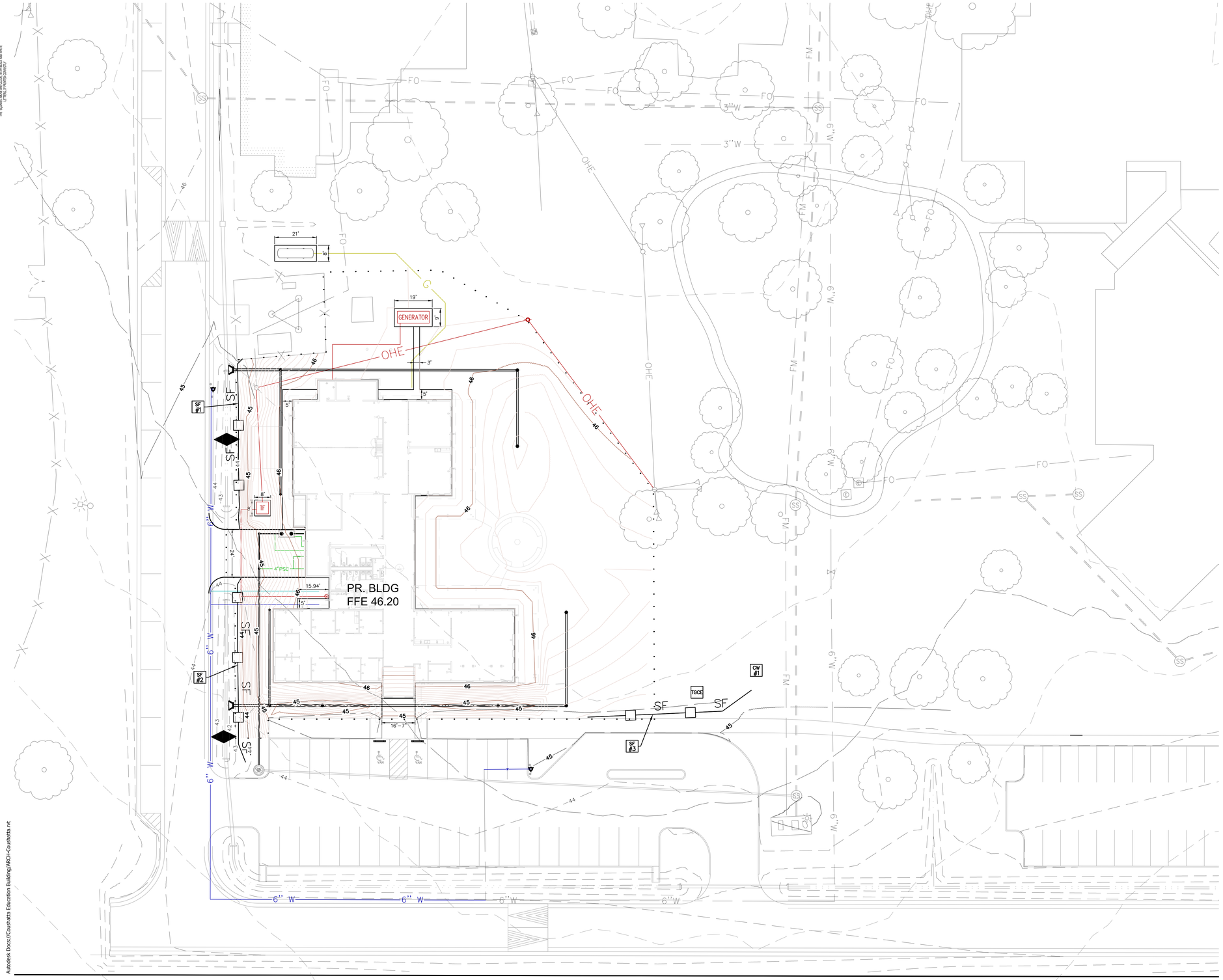
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT PRINTED PLOTTING PAGE SIZE

THE SQUARES ABOVE ARE COLOR, WITH BLACK AND WHITE LETTERS, IF PRINTED CORRECTLY



GENERAL NOTES- EPSC

THE APPROVED EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) PLAN SHALL BE IMPLEMENTED PRIOR TO ANY LAND-DISTURBING ACTIVITY ON THE CONSTRUCTION SITE. ANY MODIFICATIONS TO THE APPROVED EPSC PLAN MUST BE REVIEWED AND APPROVED BY ENGINEER & OWNER. EPSC BMPS SHALL BE INSTALLED PER THE PLAN AND BEST PRACTICES STANDARDS.

THE EROSION PREVENTION AND SEDIMENT CONTROL DEVICES SHOWN ON THIS PLAN SET ARE INTENDED TO BE THE MINIMUM CONTROL MEASURES. ADDITIONAL EPSC DEVICES MAY NEED TO BE INSTALLED AS NECESSARY BY THE CONTRACTOR TO PREVENT EROSION AND SEDIMENTATION.

ALL ROADSIDE SWALES/DITCHES AND IMMEDIATE CONTRIBUTING DRAINAGE TO THEM MUST BE STABILIZED AS THE SWALES/DITCHES ARE BEING CONSTRUCTED TO AVOID SEDIMENT RUNOFF ONTO ADJOINING PROPERTIES.

TIE BACK DISTANCES ON SILT FENCE ARE TO BE ADEQUATE LENGTH TO ALLOW FOR A MINIMUM OF 2 FEET OF STORAGE.

ACTIONS MUST BE TAKEN TO MINIMIZE THE TRACKING OF MUD AND SOIL FROM CONSTRUCTION AREAS ONTO PUBLIC ROADWAYS. SOIL TRACKED ONTO THE ROADWAY SHALL BE REMOVED DAILY.

SOIL STOCKPILES SHALL BE LOCATED AS SHOWN ON PLAN. STOCKPILES SHALL BE SEEDED, MULCHED, AND ADEQUATELY CONTAINED THROUGH THE USE OF SILT FENCE.

AT THE END OF EACH WORK DAY, THE SITE SHALL BE CLEANED OF SEDIMENT DEBRIS. DISTURBED AREAS SHALL HAVE SILT CONTROL INSTALLED OR BE STABILIZED SO THAT SEDIMENT WILL NOT GET OFF SITE OR INTO THE STORM SYSTEM DURING A RAIN EVENT.

WHERE CONSTRUCTION OR LAND DISTURBANCE ACTIVITY WILL OR HAS TEMPORARILY CEASED ON ANY PORTION OF A SITE, TEMPORARY SITE STABILIZATION MEASURES SHALL BE REQUIRED AS SOON AS PRACTICABLE, BUT NO LATER THAN 14 CALENDAR DAYS AFTER THE ACTIVITY HAS CEASED.

SEDIMENT-LADEN GROUNDWATER ENCOUNTERED DURING TRENCHING, BORING, OR OTHER EXCAVATION ACTIVITIES SHALL BE PUMPED TO A SEDIMENT TRAPPING DEVICE PRIOR TO BEING DISCHARGED INTO A STREAM, POOL, SWALE, OR CATCH BASIN.

FLOODPLAIN NOTE

THIS SITE IS LOCATED WITHIN THE 100 YEAR FLOODPLAIN PER FEMA PANEL 22003C0425D, DATED 3/17/2011

EPSC BMP's MAINTENANCE NOTE

EROSION AND SEDIMENT CONTROLS SHALL BE INSPECTED EVERY SEVEN DAYS AND AFTER EVERY RAINFALL EVENT THAT EQUALS OR EXCEEDS 1/2" OF PRECIPITATION.

SWPPP LEGEND

- SBIP #1 — STONE BAG INLET PROTECTION
- SF #1 — SILT FENCE (SEE DETAIL 6, SHEET 6.01)
- TGCE — TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/EXIT
- CW #1 — CONCRETE WASHOUT AREA
- ◆ — STONE BAG CHECK DAM SEE DETAIL 7, SHEET 6.01)
- . . . . — LIMITS OF DISTURBANCE (0.95 AC)

A1 / C5.01 CIVIL EPSC PLAN
1" = 50'-0"

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EROSION CONTROL PLAN

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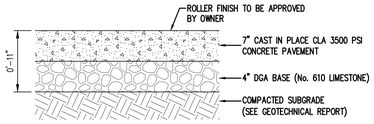
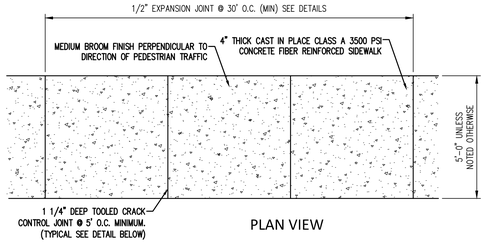
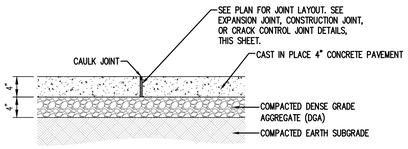


CONCRETE PAVEMENT
DETAIL 1
SCALE: NONE



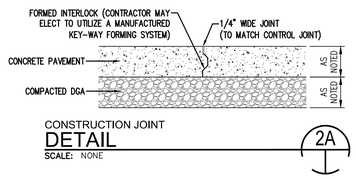
PLAN VIEW



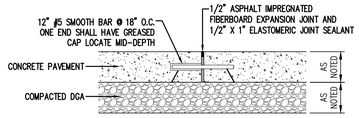
SECTION VIEW

NOTE:
PROVIDE JOINTS AS SHOWN IF INDICATED ON PLAN.

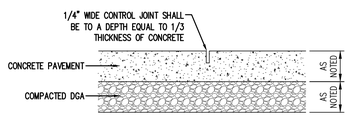
CONCRETE SIDEWALK
DETAIL 2
SCALE: NONE



CONSTRUCTION JOINT
DETAIL 2A
SCALE: NONE

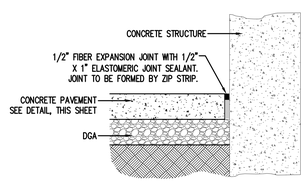


EXPANSION JOINT
DETAIL 2B
SCALE: NONE

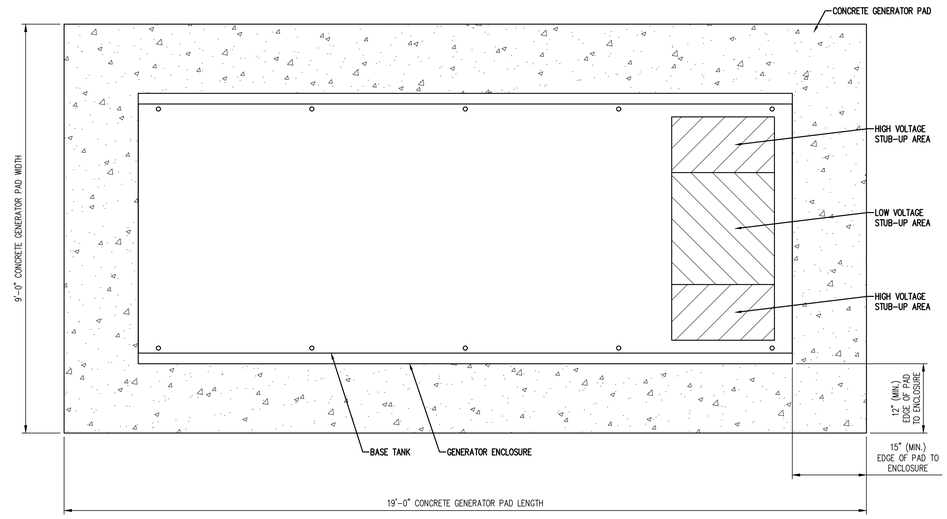


NOTE:
ALL CONTROL JOINTS SHALL BE SOFT CUT UNLESS SPECIFIED OTHERWISE.

CRACK CONTROL JOINT
DETAIL 2C
SCALE: NONE

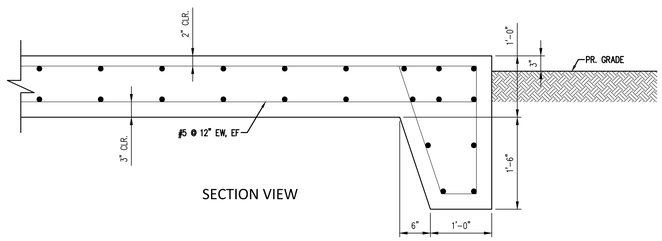


CONCRETE PAVMENT AT STRUCTURE
DETAIL 2D
SCALE: NONE



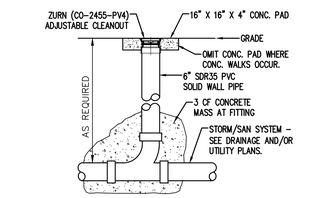
PLAN VIEW

NOTES:
1. CONFIRM PAD DIMENSIONS WITH GENERATOR MANUFACTURER SPECIFICATIONS AND REQUIREMENTS.

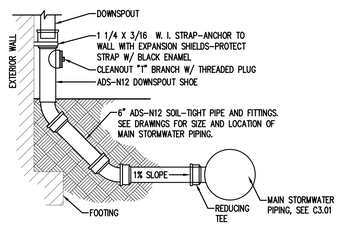


SECTION VIEW

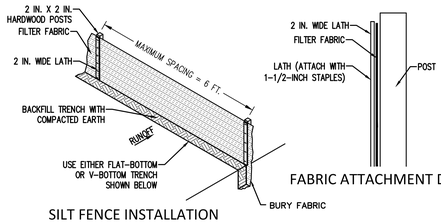
CONCRETE GENERATOR PAD
DETAIL 3
SCALE: NONE



CLEANOUT
DETAIL 4
SCALE: NONE

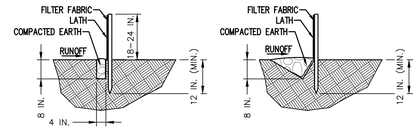


DOWNSPOUT BOOT
DETAIL 5
SCALE: NONE



SILT FENCE INSTALLATION

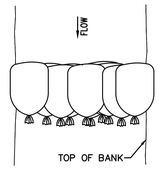
FABRIC ATTACHMENT DETAIL



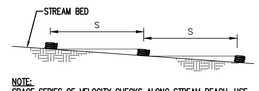
FLAT-BOTTOM TRENCH SECTION

V-SHAPED TRENCH SECTION

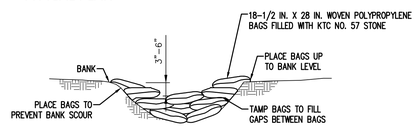
SILT FENCE
DETAIL 6
SCALE: NONE



TYPICAL PLAN



NOTE:
SPACE SERIES OF VELOCITY CHECKS ALONG STREAM REACH. USE SPACING "S" SUCH THAT THE CRESTS OF DOWNSTREAM CHECKS ARE THE SAME ELEVATION AS THE TOE OF UPSTREAM CHECKS.



TYPICAL CROSS SECTION

STONE BAG CHECK DAM
DETAIL 7
SCALE: NONE

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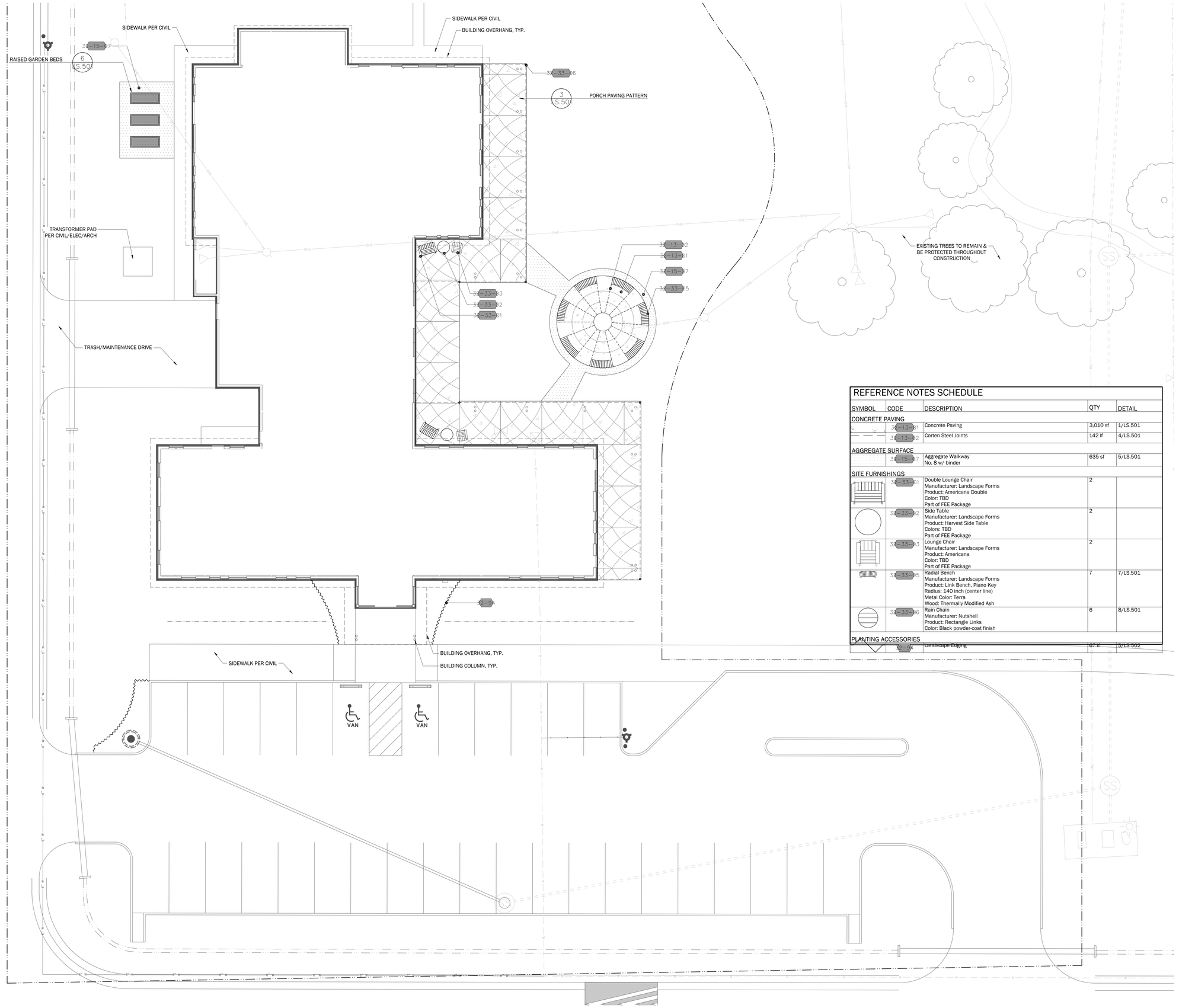

REFERENCE NOTES SCHEDULE

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
CONCRETE PAVING				
	3.2–13–01	Concrete Paving	3,010 sf	1/LS.501
	3.2–13–02	Corten Steel Joints	142 lf	4/LS.501
AGGREGATE SURFACE				
	3.2–15–07	Aggregate Walkway No. 8 w/ binder	635 sf	5/LS.501
SITE FURNISHINGS				
	3.2–33–01	Double Lounge Chair Manufacturer: Landscape Forms Product: Americana Double Color: TBD Part of FEE Package	2	
	3.2–33–02	Side Table Manufacturer: Landscape Forms Product: Harvest Side Table Colors: TBD Part of FEE Package	2	
	3.2–33–03	Lounge Chair Manufacturer: Landscape Forms Product: Americana Color: TBD Part of FEE Package	2	
	3.2–33–05	Radial Bench Manufacturer: Landscape Forms Product: Link Bench, Piano Key Radius: 140 inch (center line) Metal Color: Terra Wood: Thermally Modified Ash	7	7/LS.501
	3.2–33–06	Rain Chain Manufacturer: Nutshell Product: Rectangle Links Color: Black powder-coat finish	6	8/LS.501
PLANTING ACCESSORIES				
	3.2–9A	Landscape Edging	67 lf	5/LS.502

1 MATERIALS PLAN
scale: 1" = 10' - 0"

0 5 10 20 40
SCALE: 1" = 10'-0"

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LICENSED LANDSCAPE ARCHITECT

MATERIALS PLAN

ARCHITECT
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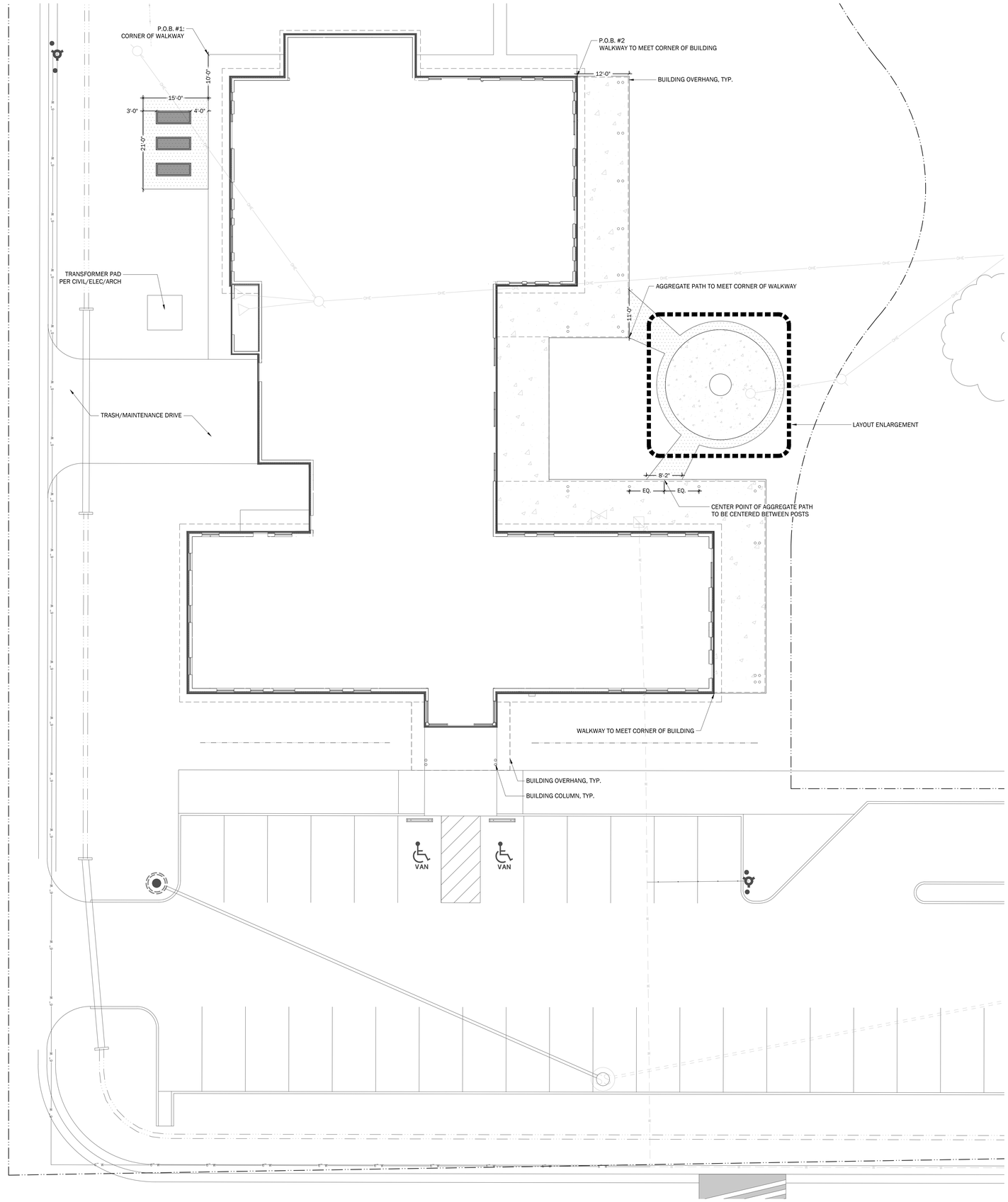

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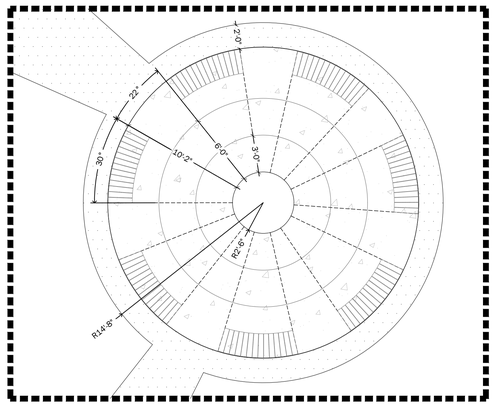
scale: 1" = 10' - 0"

0 5 10 20 40
SCALE: 1" = 10'-0"



2 LAYOUT PLAN ENLARGEMENT
scale: 1" = 5' - 0"

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REG. NO. 07-0010
LICENSED LANDSCAPE ARCHITECT

LAYOUT PLAN

ARCHITECT
LIC#:

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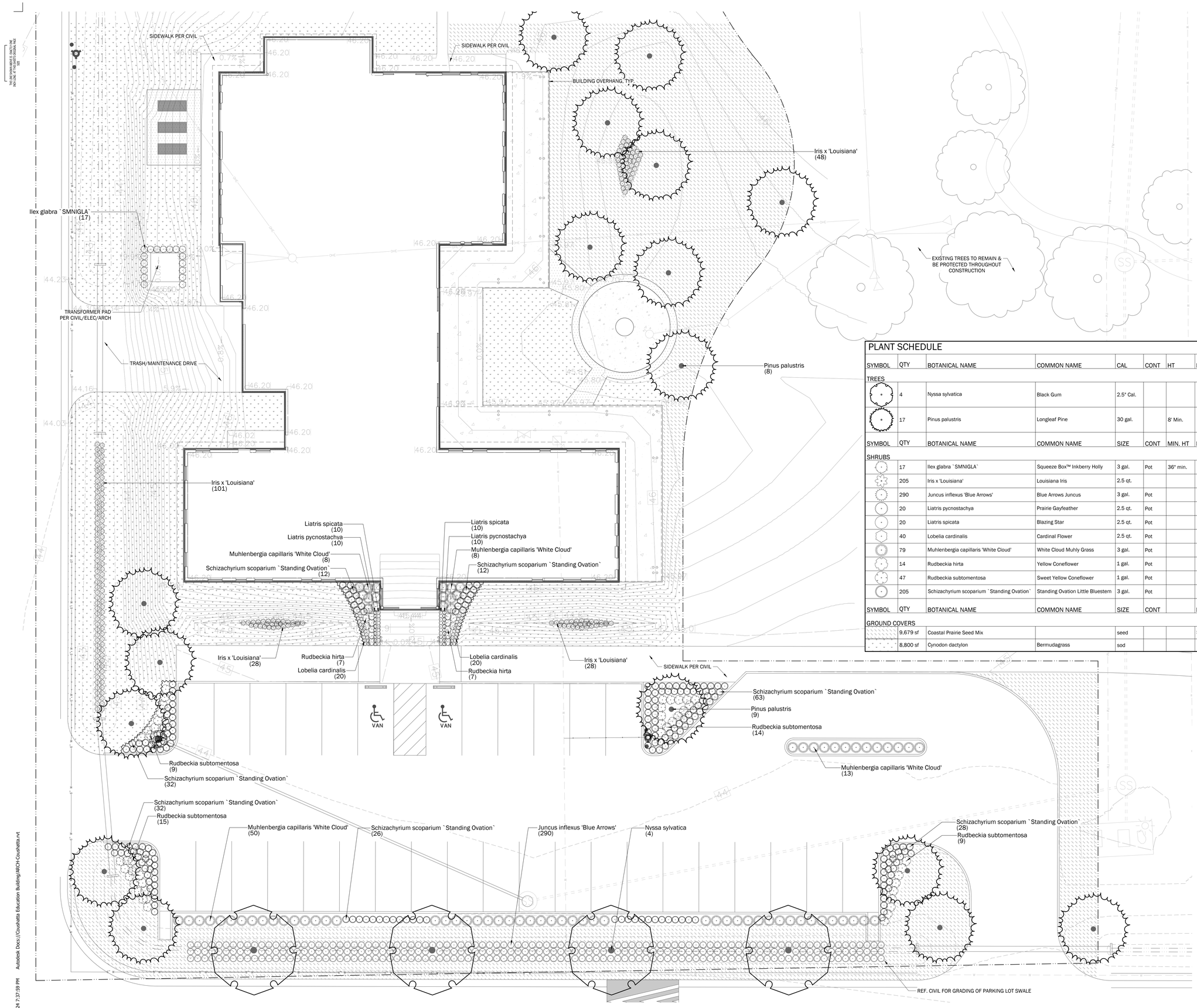

PLANT SCHEDULE

SYMBOL	QTY	BOTANICAL NAME	COMMON NAME	CAL	CONT	HT	REMARKS
TREES							
	4	Nyssa sylvatica	Black Gum	2.5" Cal.			
	17	Pinus palustris	Longleaf Pine	30 gal.		8' Min.	
SYMBOL	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONT	MIN. HT	REMARKS
SHRUBS							
	17	Ilex glabra `SMNIGLA`	Squeeze Box™ Inkberry Holly	3 gal.	Pot	36" min.	
	205	Iris x 'Louisiana'	Louisiana Iris	2.5 qt.			
	290	Juncus inflexus 'Blue Arrows'	Blue Arrows Juncus	3 gal.	Pot		
	20	Liatris pycnostachya	Prairie Gayfeather	2.5 qt.	Pot		
	20	Liatris spicata	Blazing Star	2.5 qt.	Pot		
	40	Lobelia cardinalis	Cardinal Flower	2.5 qt.	Pot		
	79	Muhlenbergia capillaris 'White Cloud'	White Cloud Muhly Grass	3 gal.	Pot		
	14	Rudbeckia hirta	Yellow Coneflower	1 gal.	Pot		
	47	Rudbeckia subtomentosa	Sweet Yellow Coneflower	1 gal.	Pot		
	205	Schizachyrium scoparium `Standing Ovation`	Standing Ovation Little Bluestem	3 gal.	Pot		
SYMBOL	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONT		REMARKS
GROUND COVERS							
	9,679 sf	Coastal Prairie Seed Mix		seed			Seed rate: 10 lbs per acre
	8,800 sf	Cynodon dactylon	Bermudagrass	sod			

1 PLANTING PLAN
scale: 1" = 10' - 0"

0 5 10 20 40
SCALE: 1" = 10'-0"

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COUSHATTA TRIBE COUNCIL

COUSHATTA TRIBE - EDUCATION

COUSHATTA TRIBE - EDUCATION BUILDING

1950 CC BEL RD
ELTON, LA 70532

Issue:	No:	Date:
BID SET		2025.12.05

DANA BROWN
LICENSED LANDSCAPE ARCHITECT
LA REG. NO. 0710017

PLANTING PLAN

ARCHITECT
LIC#:

Proj #: 24.0002607.000 Reviewed By:

LP.101

TRUE NORTH PROJECT NORTH

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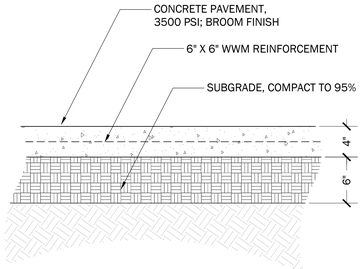
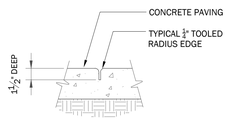
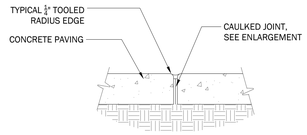


1 4" CONCRETE PAVEMENT

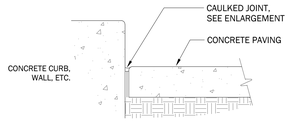
1 1/2" = 1'-0" 321313.16-05



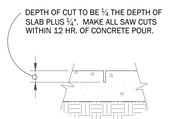
TOOLED CONTROL JOINT



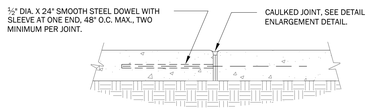
CAULKED CONSTRUCTION JOINT



CONCRETE PAVING AT VERTICLE PLANE



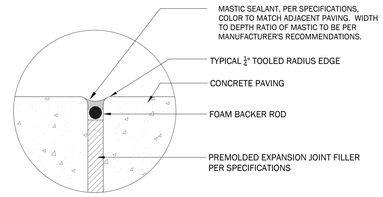
SAWCUT CONTROL JOINT



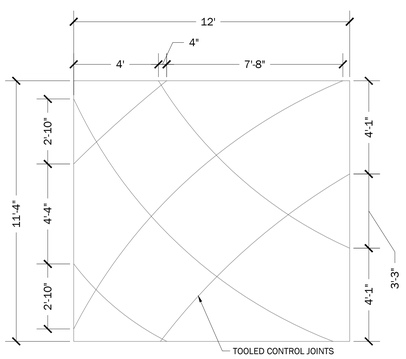
DOWELED CONSTRUCTION JOINT

2 CONCRETE PAVEMENT JOINT DETAILS

1 1/2" = 1'-0" 321313-33

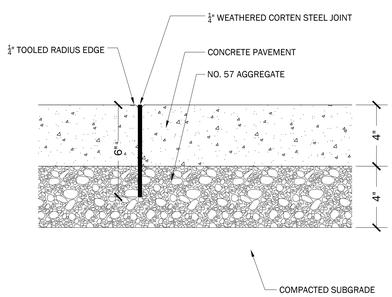


ENLARGED TYPICAL CAULKED JOINT



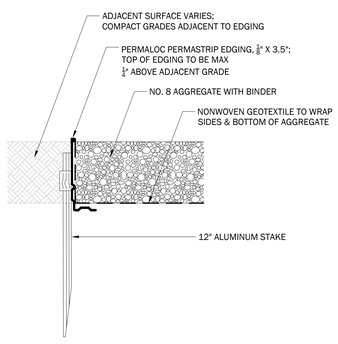
3 PORCH PAVING PATTERN

3/8" = 1'-0" P-2428-03



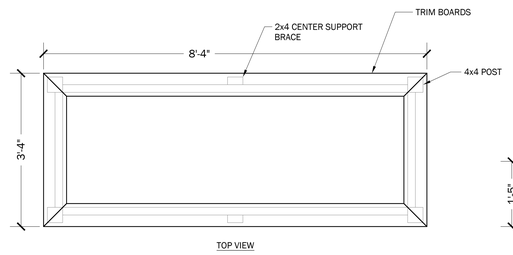
4 CORTEN STEEL JOINTS

3" = 1'-0" P-2428-04

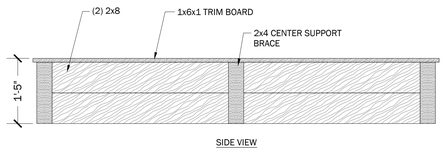


5 AGGREGATE WALKWAY W/ EDGING

3" = 1'-0" P-2407-05



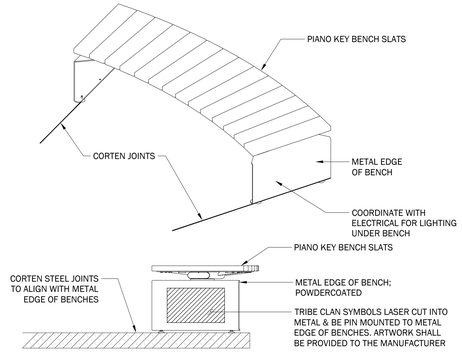
TOP VIEW



SIDE VIEW

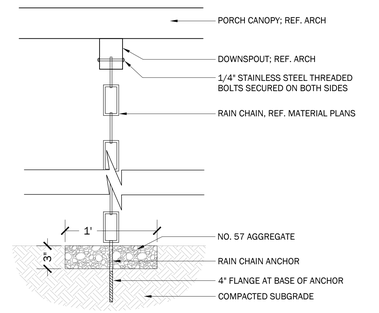
6 RAISED GARDEN BEDS

3/4" = 1'-0" P-2428-01



7 RADIAL BENCHES

3/4" = 1'-0" P-2428-02



8 RAIN CHAIN

1 1/2" = 1'-0" P-2428-05

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COUSHATTA TRIBE - EDUCATION BUILDING

1950 CC BEL RD
ELTON, LA 70532

Issue:	No:	Date:
BID SET		2025.12.05

STATE OF LOUISIANA — DANA N. BROWN — REGISTERED NO. 5554 — LICENSED LANDSCAPE ARCHITECT

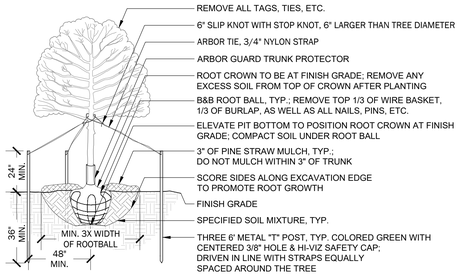
DETAILS

ARCHITECT
LIC#:

Proj #: 24.0002607.000 Reviewed By:

LS.501

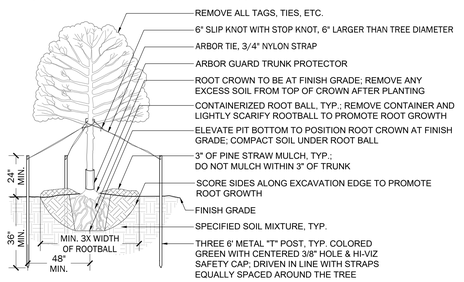
THE DRAWN WIDTH IS EXACTLY ONE INCH ONLY IF PRINTED ORIGINAL PAGE SIZE



1 B&B SINGLE TRUNK TREE PLANTING - SECTION

1/4" = 1'-0" 329343-01

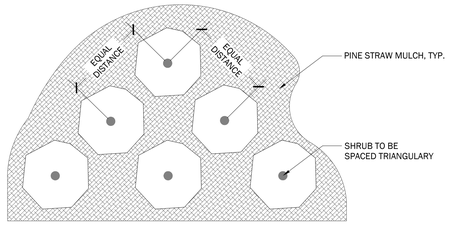
NOTE:
DO NOT INSTALL TREE IF ROOT BOUND. ROOT BALL MUST BE PRUNED OR UNTANGLED TO PROMOTE HEALTHY ROOT GROWTH.



2 CONTAINER SINGLE TRUNK TREE PLANTING - SECTION

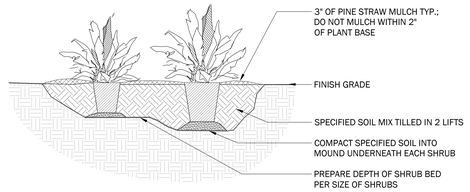
1/4" = 1'-0" 329343-07

NOTES:
1. SEE PLANTING LEGEND FOR SHRUB SPECIES, SIZE, AND SPACING.
2. SETTLE SOIL AROUND ROOT BALL OF EACH PLANT PRIOR TO MULCHING.



3 SHRUB PLANTING - PLAN

3/4" = 1'-0" 329333-01



4 SHRUB PLANTING - SECTION

1/2" = 1'-0" 329333-02

5 SHRUB PLANTING WITH EDGING

3/4" = 1'-0" 329333-03

6 PARKING LOT SHRUB PLANTING

3/4" = 1'-0" 329333-14

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COUSHATTA TRIBE OF LOUISIANA

COUSHATTA TRIBE COUNCIL

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Issue:	No:	Date:
BID SET		2025.12.05

STATE OF LOUISIANA
DANA NURSE BROWN
CERT. NO. 07-0010
LICENSED LANDSCAPE ARCHITECT

DETAILS

ARCHITECT
LIC#:

Proj #: 24.0002607.000 Reviewed By:

LS.502

GENERAL STRUCTURAL NOTES

I. GENERAL

1. The contractor shall ensure that no construction load exceeds the design live loads indicated on the structural drawings and that these loads are not put on the structural members prior to the time that all framing members and their connections are in place.
2. The contractor shall be responsible for the design, placement, maintenance, etc. of any and all shoring, bracing, tie backs, etc. needed to support any part of the new or existing construction during the entire construction process to ensure the safety and integrity of the structure until the necessary permanent elements are in place.
3. See architectural, mechanical, and electrical drawings for exact location of all depressions, slopes, openings, penetrations, etc. Penetrations not shown on the structural drawings shall be brought to the attention of the structural engineer.
4. Dimensions - Use written dimensions only. Do not scale from this drawing.
5. The structural drawings shall govern the work for all structural features, unless noted otherwise. The architectural drawings shall govern the work for all dimensions.
6. Structural drawings are intended to be used with architectural, mechanical, and electrical drawings. See these drawings for exact location of all depressions, slopes, openings, penetrations, etc. Penetrations not shown on the structural drawings shall be brought to the attention of the structural engineer. Contractor is responsible for coordinating such requirements into their shop drawings and work.
7. No change in size or dimension of structural members shall be made without the written approval of the professional of record.
8. Weights of mechanical equipment shown on the structural plans are for units specified by the Mechanical Engineer. Contractor shall verify weights and any substitutions that result in increased weight shall be approved by the Structural Engineer of Record.
9. Omissions & Conflicts - Omissions or conflicts between various elements of the construction documents should be brought to the attention of the design team.
10. Work not indicated on a part of the drawings but reasonably implied to be similar to that shown at corresponding places shall be repeated.
11. In case of conflict between the General Notes and Specifications and details, the most stringent requirements shall govern.
12. Existing Conditions - The Contractor shall verify the existing conditions and dimensions in the field prior to fabrication/erection. The Contractor shall report any discrepancies between the drawings and the actual existing conditions and dimensions to the Engineer.
    a. If the existing field conditions do not permit the installation of the work in accordance with the details shown, the Contractor shall notify the Architect/Engineer immediately and provide a sketch of the condition with his proposed modification of the details given on the Contract Documents. Do not commence work until condition is resolved and modification is approved by the Architect.
    b. Verify the location of all existing utilities before commencing any work. Any interference shall be brought to the attention of the Structural Engineer.
    c. Where alterations involve the existing supporting structure, the Contractor shall provide shoring and protection required to ensure the structural integrity of the existing structure.
    d. With the exception of defects discovered by us or pointed out to us by others to date, our design and the work shown here assumes that the existing structural elements are sound and capable of supporting loads to their full, theoretical, code-allowed capacities. EOR is not responsible for any additional costs, damages, or injuries resulting from discovery or failure of any element that is found to be damaged, deteriorated, or otherwise structurally impaired.
13. If any items herein are not understandable or clear as to intent, the contractor must notify the Engineer of Record for clarification and/or supplemental information prior to actual installation.
14. The contractor shall inform the professional of record in writing of any deviation from the contract documents. The contractor shall not be relieved of the responsibility of such deviation by the professional of record review of shop drawings, product data, etc., unless the contractor has specifically informed the professional of record of such deviation at the time of submission, and the professional of record has given written approval to the specific deviation.
15. All columns shall be centered on grid lines unless noted otherwise.
16. All column footings and pile caps shall be centered on columns unless noted otherwise.

II. DESIGN BASIS

A. Applicable Codes and Standards
   1. International Building Code 2021

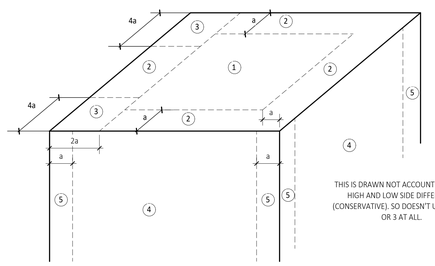
B. Design Live Loads
   1. Roof - 20 psf
   2. Floors - 100 psf
   3. Assembly Areas - 100 psf
   4. Corridors - 100 psf

C. Wind Load based on ASCE 7-16 Minimum Design Loads for Buildings and Other Structures
   1. Basic Wind Velocity 122 mph
   2. Risk Category II
   3. Exposure C
   4. Design Method
      a. MWFRS - Chapter 27, Directional Procedure
      b. C&C - Chapter 30 Part 1, Envelope Procedure
   5. Mean Roof Height = Varies, All Roofs < 30'
   6. Roof Slope = 4.8°
   7. Enclosure Classification = Enclosed

D. Service Components and Cladding Pressures per Code
   0.6 Factor is already included in reported pressure

Effective Wind Area = 10 sf	(+)	(-)	(-)
a.			Overhang
Roof			
Zone 1	9.6 psf	-24.4 psf	-43.9 psf
Zone 2	9.6 psf	-23.4 psf	-42.9 psf
Zone 3	9.6 psf	-50.8 psf	-70.3 psf
b.			
Wall			
Zone 4	19.5 psf	-21.1 psf	
Zone 5	19.5 psf	-26.1 psf	

c. See Figure 1 for C&C Zone Designations
   Distance "a" 3.60 ft
   Engineer of Record can furnish C&C load for larger effective wind areas upon request



THIS IS DRAWN NOT ACCOUNTING FOR A HIGH AND LOW SIDE DIFFERENCE (CONSERVATIVE). SO DOESN'T USE ZONE 2 OR 3 AT ALL.

Figure 1. C&C Zone Designations

III. MATERIALS

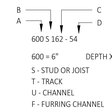
A. CONCRETE
1. Concrete shall be designed and detailed in accordance with the Building Code Requirements for Structural Concrete (ACI 318 latest edition), and constructed in accordance with the CRSI Manual of Standard Practice and ACI 301.
2. All concrete shall have a minimum 28-day compressive strength of 4,000 psi.
3. All concrete shall be normal weight concrete (144 pcf +) with all cement conforming to ASTM C150, Type I. Maximum aggregate size shall be 1-1/2 inches for footings and 3/4 " for walls and slabs, conforming to ASTM C33 unless noted otherwise.
4. Submit to Architect/Engineer reinforcing steel shop drawings for approval and mix designs for review prior to placing any concrete.
5. Arrangement and bending of reinforcing steel shall be in accordance with ACI 315 Detailing Manual, latest edition.
6. Reinforcing steel shall be new and all bars shall be deformed and shall conform in ASTM 615 Grade 60.
7. Unless noted otherwise, bar laps shall be Class B tension laps and shall be lapped with minimum lengths as listed in the schedule, where splices are required in reinforcing.
8. Corner bars shall be provided for all horizontal reinforcing bars at the intersections and corners of all strip footings, beams, and walls unless noted otherwise. Corner bars shall be of the same size and grade as the horizontal reinforcing they connect. See Typical Details for more information.
9. Provide suitable wire spacers, chairs, ties, brickettes etc. for supporting reinforcing steel in the proper position while placing concrete. Do not "wet stick" dowels.
10. Typical minimum concrete protective covering for reinforcement shall be 1-1/2"; minimum cover shall be 2" on surfaces in contact with the earth and 3" at earth-formed surfaces.
11. All welded wire fabric shall conform to ASTM A-185 and shall be lapped a minimum of (2) wire spaces.
12. Bonding agent shall be used where new concrete is placed against existing concrete.
13. Chamfer all exposed concrete corners unless noted otherwise on Architectural Drawings.
14. Where existing concrete at the first floor level is removed to install new utilities, etc., the contractor shall notify the structural engineer of the location and extent of any such removal prior to performing the work. Where possible, existing reinforcement shall not be cut, bent, or damaged. Whenever reinforcement is cut, damaged or bent, it shall be brought to the attention of the structural engineer and repaired or replaced as directed.
15. Material used for filling voids under concrete shall be extruded polystyrene insulation board in accordance with ASTM D6817 having a nominal minimum 0.9pcf and compressive strength of 3.6psi @ 1%. Basis of design: EPS15 with termiticide.
16. The concrete slabs shall be finished flat and level within tolerance, to the elevation indicated on the drawings. The Contractor shall provide the means by which the maximum and minimum concrete slab thickness can be monitored and verified during and after the placing and finishing operations. See Specifications for floor levelness requirements.
17. Early drying and hot weather, especially during the first 24 hours, shall be carefully guarded against. All surfaces shall be moist cured or protected using a membrane curing agent applied as soon as forms are removed. If membrane curing agent is used, exercise care not to damage coating.
18. Cold weather concreting shall be in accordance with ACI-306. Hot weather concreting shall be in accordance with ACI-305R.
19. Throughout construction, the concrete work shall be adequately protected against damage due to excessive loading, construction equipment, materials or methods, ice, rain, snow, excessive heat, and freezing temperatures.
20. The Contractor shall prepare one (1) set of (3) concrete prisms for testing at 7 days and one (1) set for testing at 28 days and retain (1) set for reserve. Tests are to be conducted by the Contractor's Inspection and Testing Agency for each 100 cy of concrete placed but not less than (1) set per day of concrete placement.
21. Prepare concrete test cylinders from each day's pour. Cylinders shall be properly cured and stored. Sample fresh concrete in accordance with ASTM C172.
22. Retain laboratory to provide testing service. Slump per ASTM C143, air content per ASTM C231, cylinder tests per ASTM C39.
23. EOR may inform periodic, visual inspection of the concrete reinforcement placement prior to pouring.
24. Visual inspection by the EOR does not guarantee the Contractor's work or alleviate the Contractor from final responsibility to place reinforcement and concrete in accordance with the Contract Drawings and Specifications.
25. Locations and sizes of openings, sleeves, etc. required for other trades must be verified by these trades before placing concrete.
26. All slots, sleeves, trenches, and other embedded items shall be set and secured against movement before the concrete is placed. See Architectural, Electrical, Mechanical, Plumbing, and Vendor drawings for sizes and locations.
27. As part of the submittal process, the Electrical and Mechanical Contractor(s) shall submit a proposed routing plan for all pipes, conduits, or other devices to be embedded in the concrete. The submittal shall show specific sizes and locations of all proposed embed items referencing proximity to beam, column, and slab edges.
28. Conduits and pipes embedded in concrete slabs may be no larger than 1/3 of the slab thickness (based on the maximum outside diameter) and shall have a center-to-center spacing no less than three (3) conduit diameters. Regardless of diameter, the minimum clear spacing between conduits or reinforcing shall be one (1) inch.
29. No aluminum conduits, devices, or fixtures may be embedded into the concrete so that the aluminum is in direct contact with the concrete.
30. No conduits shall be placed in slabs within 12 inches of column face or face of bearing wall.
31. Waterstops shall be Waterstop-RX Volclay waterproofing by American Colloid Company or approved equal unless noted otherwise.
32. Expansion Joint Filler shall be non-extruded premolded material composed of fiberboard impregnated with asphalt conforming to the requirements of ASTM D1751 unless noted otherwise.

B. SOIL-SUPPORTED FOUNDATIONS
1. Foundation design is based on an allowable soil bearing capacity of 2,300 psf at approximately 2'-0" below the existing grade.
2. All soil preparation shall be in accordance with the recommendations given in the referenced Terracon Geotechnical Report, dated March 3, 2025.
3. Strip area of all gravel, surface vegetation, topsoil, and any debris. Remove all existing structures, foundations, and below grade site features.
4. Place footings on undisturbed soil or engineered fill. Notify the Engineer if "soft spots", underground obstructions, or any unusual condition is encountered during stripping, excavation or filling.
5. A 10-mil minimum polyethylene film vapor retarder, meeting the requirements in the specifications, shall be placed below all slabs-on-grade, unless noted otherwise. Lap 12" to accommodate pouring direction.
6. The Independent Testing Agency engaged by the Owner may be present during proof rolling and shall inspect the sub grade prior to any fill operations if required by the Specifications.
7. Where fill material is required over in-situ sub grade, scarify sub grade to a minimum depth of 6" and adjust moisture content to equal optimum moisture content, or as required by geotechnical report. Compact scarified sub grade using the same requirements listed below for compacted structural fill, as applicable.
8. Backfill both sides of all foundation and retaining walls equally until low side is up to finish grade. Do not backfill any walls until concrete has reached its specified 28-day compressive strength.

C. STRUCTURAL STEEL FRAMING
1. Fabrication and erection of structural steel shall conform to "The Manual of Steel Construction", Fourteenth Edition, American Institute of Steel Construction (AISC) including Specifications for Structural Steel Buildings, Specification for Structural Joints Using ASTM A325 or A490 Bolts, and AISC Code of Standard Practice.
2. All welding shall be performed by certified welders and shall conform to "AWS D1.1/D1.1M Structural Welding Code – Steel", American Welding Society (AWS), latest edition.
3. All high-strength bolts shall be manufactured, installed, and field tested in accordance with the "Specification for Structural Joints using High Strength Bolts", RSCS, latest edition.
4. Wide flange and S- shapes: ASTM A992 or A572, Grade 50
5. Structural C and L shapes & plates: ASTM A572, Grade 50
6. Steel pipe: ASTM A53, Grade B (35 ksi yield)
7. Steel tubing (square or rect.): ASTM A500, Grade B (46 ksi yield)
8. Steel tubing (round): ASTM A501
9. Galvanized structural steel:
   a. Structural shapes and rods ASTM A123
   b. Bolts, fasteners and hardware ASTM A153
10. Anchor rods shall conform to ASTM F1554, unless noted otherwise.
11. Anchor bolts shall be headed with a nut and washer at the lower end.
12. Steel members shown on plan shall be equally spaced unless noted otherwise.
13. Erector shall provide a Certified Welding Inspector and Quality Control Expert (AWS Certified) for the visual inspection welds.
14. Metal stairs shown on plans are for illustrative purposes only. The Fabricator shall be responsible for the design of metal stairs. Shop Drawings, depicting the configuration, connection, and fabrication details, along with calculations signed and sealed by a Registered Professional Engineer working for the Fabricator licensed to practice in the state in which the project is located, shall be submitted to the structural Engineer of Record for review of design intent.
15. All bolted connections shall be with ASTM A325 high strength bolts, 3/4" minimum diameter, unless noted otherwise.
16. All bolts are considered snug-tightened, unless noted otherwise.
17. Oversized holes shall not be provided without approval of the EOR. If oversized holes are elected and approved, bolts shall be slip-critical.
18. Where possible, all bolt holes in structural steel shall be drilled or punched in the shop. Any holes required to be made a the project site shall be mechanically drilled or punched. No burning of holes shall be allowed.
19. All connections shall be symmetrical about the axis of the member connected. Provide only one grade of bolt for each bolt diameter to be used in the connections. Do not mix grades of bolts.
20. Unless noted otherwise, all cap and base plates shall be welded to the columns continuously all around with a 1/4" fillet weld.
21. Welding electrodes shall be E70XX for manual arc welding and F7X-EXXX for submerged arc welding. All welders shall be certified by the AWS. Minimum weld size shall be 3/16" unless noted otherwise.
22. Existing framing requiring welding shall be thoroughly cleaned to ensure proper welding.
23. Provide temporary shoring when welding to existing steel.
24. Use low-hydrogen electrodes when welding to existing steel.
25. Field welded surfaces within 4 inches of weld shall be cleaned and ground smooth. After welding coat the exposed area with appropriate primer/paints as specified.
26. All welds shall be visually inspected as required by AWSD1.1 and in accordance with AWS B1.1 "Guide for the Visual Examination of Welds", unless noted otherwise.
27. 100 percent of full penetration welds shall have ultrasonic inspection, complying with ASTM E164.
28. 100 percent of welds in beam and column moment connections shall have ultrasonic inspection, complying with ASTM E164.
29. Unless noted otherwise, every weld shall develop the full strength of the lesser of the members it joins. All butt, groove, or bevel welds shall be complete, full penetration.
30. Submit shop drawings for fabrication and erection of structural steel. Clearly indicate coordinated dimensions of mechanical unit and roof penetration sizes. Shop and Erection drawings must show all shop/floor and field welds. Initial shop drawing submittal shall include proposed connection details and job standards. Provide signed and sealed calculations for all non-standard connection details showing design capacities.
31. Splices in structural steel not shown on the structural drawings will not be accepted without specific approval of the Structural Engineer. Submitted splices shall be designed the Fabricator's delegated design engineer and stamped by an Engineer licensed in Louisiana.
32. The General Contractor and Steel Erector shall notify the Structural Engineer of any fabrication or erection errors or deviations and receive written approval before any field corrections are made.
33. Alternate connection details may be used if such details are submitted to the engineer for review and approval. However, the engineer shall be the sole judge of acceptance and the Contractor's bid shall anticipate the use of those details shown on the drawings. The Contractor is responsible for the design of such alternate details which they propose and provide stamped drawings for approval.
34. Main support members for the metal deck are shown. During preparation, submission, and review of shop drawings, any additional angles or miscellaneous attachment details required to support the metal deck at the required elevation shall be provided by the Structural Steel Contractor.
35. All steel shall be painted with shop standard primer unless noted otherwise.
36. Steel angles, plates, and lintels along with bolts and washers, in direct contact with exterior finish masonry, shall be hot-dipped galvanized per ASTM A123 and A153.
37. All column base plates and anchor rods shall be hot-dipped galvanized per ASTM A123 and A153.
38. All exterior framing (beams & columns) shall be painted per Architectural specification.
39. Spandrels and columns adjacent to masonry shall have adjustable masonry ties.
40. All dissimilar metals shall be treated or properly separated to prevent galvanic and/or corrosive effects.
41. All floor decks over steel framing shall be attached to steel supports, including the edge support parallel to the deck span, with powder actuated fasteners equal to HILTI X-ENP19 at 12 inches o.c. interior (36/4 pattern) and 6" o.c. at edge of deck sheet. Fasten side laps with #10 self-tapping screws @ 32" o.c. maximum spacing.
42. All roof decks over steel framing shall be attached to steel supports, including the edge support parallel to the deck span, with powder actuated fasteners equal to HILTI X-ENP19 at 12 inches o.c. interior (36/4 pattern) and 6" o.c. at edge of deck sheet. Fasten side laps with #10 self-tapping screws @ 36" o.c. maximum spacing.
43. All powder actuated fasteners shall have a minimum shank diameter of 0.157" unless noted otherwise.

D. ADHESIVE ANCHORS AND DOWELS
1. Substitution of expansion or adhesive anchors for embedded anchors shall not be permitted unless specifically approved in writing by the Structural Engineer of Record prior to pouring the concrete containing the anchors.
2. Unless noted otherwise, Hilti HIT-HY 200 V3 epoxy system shall be used for an adhesive anchors or dowels in concrete.
3. Where base material is hollow block brick or other material containing pockets or voids, a screen tube, per manufacturer's recommendations, shall be employed in the system.
4. The spacing, minimum embedment, and installation of the anchors shall be in accordance with the manufacturer 's recommended procedures and in accordance with the plans.
5. Anchor rods used in adhesive anchorage systems shall conform to ASTM F1554 steel, Grade 55, unless noted otherwise.
6. Use of diamond core bit with roughening tool for anchor holes requires approval from engineer of record prior to drilling. Unless otherwise shown in the drawings, all holes shall be drilled perpendicular to the concrete surface.

E. COLD FORMED FRAMING
1. Light gage metal framing shall be designed and detailed according with the "Specification for the Design of Cold-Formed Steel Structural Members ", American Iron and Steel Institute, latest edition.
2. All stud and/or joist framing members shall be of the type, size, and gage as required by design. Size and gage shall not be less than shown on drawings.
3. All cold-formed framing not fully detailed on the drawings shall be designed by an Engineer registered in the State that project is located. Engineer Stamped Shop Drawings and calculations showing member sizes, locations, and connection details shall be submitted to the project EOR for approval.
4. Light gage metal framing properties are based on products manufactured by Clark Dietrich. Members by other manufacturer 's may be supplied provided load carrying capacity based on manufacturer's standard load tables, and deflection characteristics equal or exceed those of materials specified and if approved by the Architect and Structural Engineer.
5. Light gage load-bearing framing is based on the final condition of the structure with the sheathing providing bracing. Contractor shall provide temporary bracing of load-bearing stud flanges during construction that will reproduce the effect of sheathing. Temporary bracing is the responsibility of the Contractor.
6. Temporary bracing shall be provided until erection is complete and all attached adjacent framing is complete.
7. All galvanized studs, joists, track, bridging, and accessories, 12, 14, and 16 gage, shall be formed from steel that corresponds to the requirements of ASTM A653, Grade 50, with a minimum yield of 50,000 psi.
8. All galvanized studs, joist, and track, bridging and accessories, 18 and 20 gage, shall be formed from steel that corresponds to the requirements of ASTM A653, Grade 33, with a minimum yield of 33,000 psi.
9. All studs, joist, and accessories, shall be formed from steel having a G60 galvanized coating in conformance with ASTM C955.
10. Light gage metal roof framing (purlins and girts) properties are based on products manufactured by Nucor-Vulcraft. Members by other manufacturer 's may be supplied provided load carrying capacity based on manufacturer's standard load tables, and deflection characteristics equal or exceed those of materials specified and if approved by the Architect and Structural Engineer.
11. All galvanized purlins and girts (cee and zee shapes) 12, 14, and 16 gage, shall be formed from steel that corresponds to the requirements of ASTM A570, Grade 55, with a minimum yield of 55,000 psi.
12. Unless noted otherwise, all cold-rolled elements shall be connected with #10 AISI-1022 steel screws having a minimum diameters out to out of threads = 0.190".
13. All powder actuated fasteners shall have a minimum shank diameter of 0.157" unless noted otherwise.
14. Cutting of steel framing shall be by saw, shear or plasma cutting equipment only.
15. Splices in axially loaded studs are not permitted.
16. Joist and beam hangers, hurricane clips, and other ties, anchors, or connectors shall be as manufactured by Simpson Strong-Tie Co., Inc. and shall be attached with fasteners of the size and type recommended by the manufacturer. Roofing nails may not be used. All hangers, clips, connectors, anchors, ties, etc. shall be galvanized or stainless steel. All such units that will be exposed to weather, in contact with earth or water, or below the first floor level shall be stainless or meet G-185 rating.
17. Where splicing of track is necessary between stud spacing, a piece of stud shall be placed between adjacent tracks and fastened by welds or screws to each side of the track, each end per Typical Details.
18. Studs shall be plumbed, aligned, and securely attached to the flanges or webs of both upper and lower tracks.
19. Axially loaded studs shall be installed in a manner which will assure that ends of the studs are positioned against the inside track web, prior to stud and track attachment. Studs shall be squarely cut and positively clamped and positioned until properly fastened.
20. Wall stud bridging shall be attached in a manner to prevent stud rotation. Bridging, of the type and spacing shown on the Contract or Shop Drawings shall be installed prior to loading. Bridging spacing shall be as required by design but shall not exceed 5'-0" OC.
21. Provision for structure vertical movement shall be provided where indicated on the plans using vertical slide clips or other means. Frame both sides of expansion joints with separate studs; do not bridge the expansion joints with stud system components.
22. Isolate the sides and top of anchored veneer from the structure so that lateral seismic and wind forces resisted by the structure are not imparted to the veneer. See architectural plans and specification for joints in the veneer and attachments to the walls.
23. Framed wall openings shall include headers and supporting studs as shown on the plans and shop drawings. Reference Typical Cold-Formed Details.
24. Joists shall be located directly over bearing studs or a load distribution member to be provided at the top track.
25. Provide an additional joist under parallel, non-load bearing partitions that run more than 1/3 the span of the joist.
26. Connections shall be by welding, riveting, bolting or other approved fastening devices or methods providing positive attachment and resistance to loosening. Fasteners shall be of compatible material.
27. Welded connections shall be performed in accordance with AWS Specification for Welding Sheet Steel in Structures, D1.3.
28. Contractor shall refer to installation instructions published by the screw manufacturer and ASTM C954 for minimum spacing and edge distances requirements and torque requirements.
29. Standard cold-rolled number designations are as follows per AISA/SSMA:



	MEMBER LABEL:	600 S 162 - 54
A	MEMBER DEPTH:	600 = 6" DEPTH X 100
	MEMBER TYPE:	S - STUD OR JOIST T - TRACK U - CHANNEL F - FURRING CHANNEL
C	FLANGE WIDTH:	162 = 1-5/8" = 1.62" x 100
D	MATERIAL THICKNESS IN MILS:	54 = 0.054" X 1000

GAGE	THICKNESS (MILS)
10 GA.	118
12 GA.	97
14 GA.	68
16 GA.	54
18 GA.	43
20 GA.	33

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COUSHATTA TRIBE - EDUCATION BUILDING

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ELTON, LA 70532

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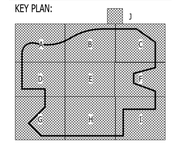
KEY PLAN:



GENERAL NOTES

STATE OF LOUISIANA
TREVOR J. PAITZ
License No. 48389
PROFESSIONAL ENGINEER
STRUCTURAL ENGINEERING
12/08/2025

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PROJECT NORTH

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THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT PLOTTED DESIGN, PAGE SIZE

THE SQUARES ABOVE ARE COLOR WITH BLACK AND WHITE LETTERS, IF PRINTED CORRECTLY

T.O.C. FOR ALL REINFORCED CONCRETE GRADE BEAMS SHALL BE 6" BELOW FINISHED FLOOR ELEVATION UNLESS NOTED OTHERWISE.

N.S. - PROJECT NORTH-SOUTH DIRECTION
E.W. - PROJECT EAST-WEST DIRECTION

12" GENERATOR PAD, REF: CIVIL

CONCRETE SIDEWALK, SEE CIVIL

6" CONCRETE SLAB WITH 6x6-W4.0xW4.0 & #5 @ 1'-6" N.S. (TYP.)

1'-6" WIDE x 2'-0" DEEP GRADE BEAM (TYP. U.N.O.)

2'-0" WIDE, 1'-6" DEEP GRADE BEAM

1'-6" WIDE x 2'-0" DEEP GRADE BEAM

6" CONCRETE SLAB WITH 6x6-W4.0xW4.0 & #5 @ 1'-6" E.W. (TYP.)

1'-6" WIDE x 2'-0" DEEP GRADE BEAM REF. 2/S201

SEE PLUMBING DRAWINGS FOR DRAIN & BLOCKOUT LOCATIONS

6" THICK, RECESSED, INSULATED SLAB

BEAM T.O.C. 8" BELOW FINISHED FLOOR

1'-6" WIDE x 2'-0" DEEP GRADE BEAM (TYP. U.N.O.) REF. 2/S201

6" CONCRETE SLAB WITH 6x6-W4.0xW4.0 & #5 @ 1'-6" E.W. (TYP.)

1'-6" WIDE x 2'-0" DEEP GRADE BEAM (TYP.)

1 FOUNDATION & SLAB PLAN
S101 1/8" = 1'-0"

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FOUNDATION & SLAB PLAN

STATE OF LOUISIANA
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License No. 48389
PROFESSIONAL ENGINEER
MARAIS ENGINEERING
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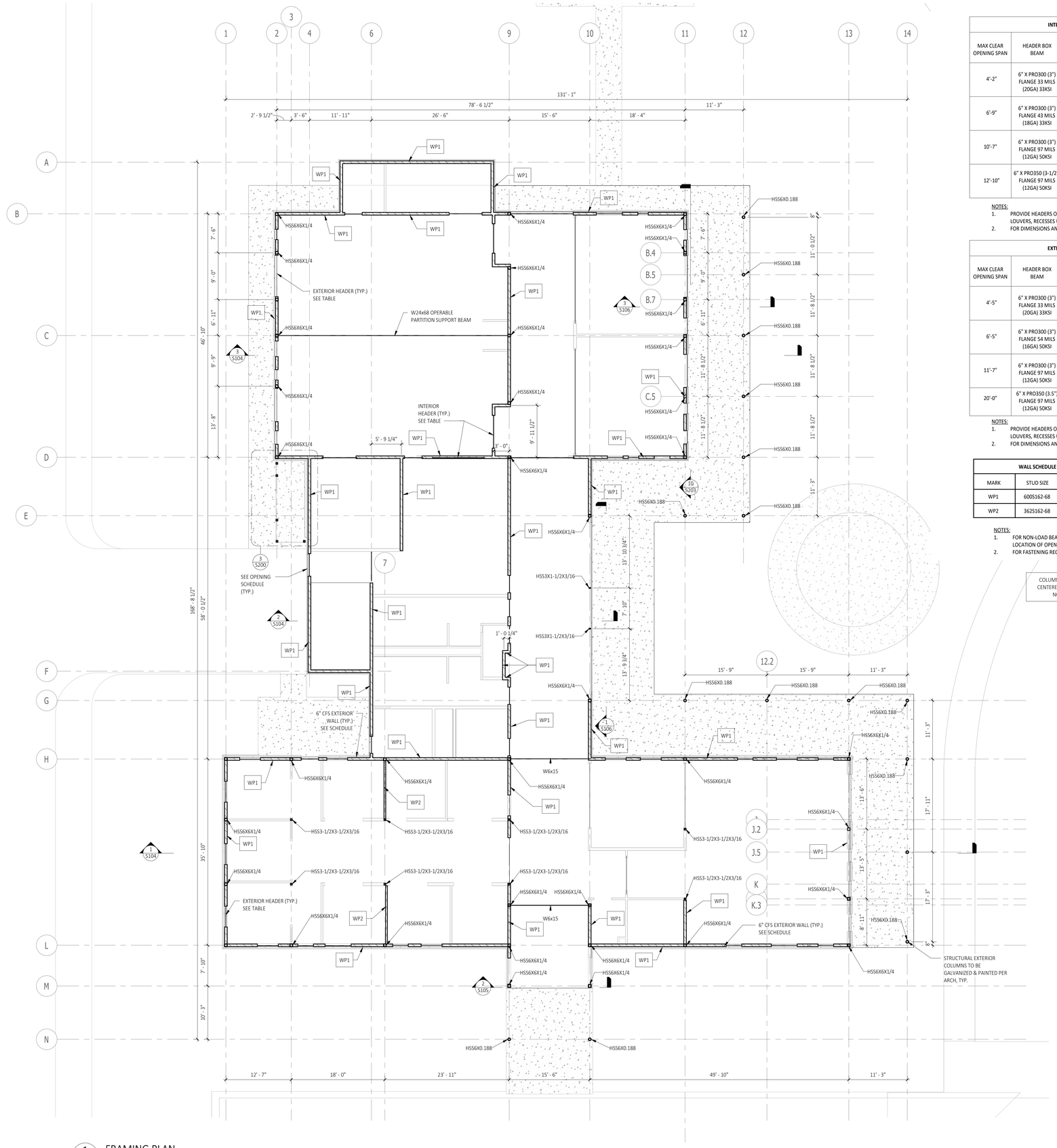

1 S102 FRAMING PLAN
1/8" = 1'-0"

INTERIOR REDHEADER PRO™ & HDS® FRAMING SYSTEMS					
MAX CLEAR OPENING SPAN	HEADER BOX BEAM	HEADER BRACKET OR HEADER CLIP	HEADER FASTENERS	JAMB	JAMB FASTENERS
4'-2"	6" X PRO300 (3") FLANGE 33 MILS (20GA) 33KSI	5-7/8" (6" FRAMING) HEADER BRACKET 33 MILS (20GA)	4 X #10	6" X PRO300 (3") FLANGE 33 MILS (20GA) 33KSI	4 X #10
6'-9"	6" X PRO300 (3") FLANGE 43 MILS (18GA) 33KSI	5-7/8" (6" FRAMING) HEADER BRACKET 68 MILS (14GA)	4 X #10	6" X PRO300 (3") FLANGE 54 MILS (16GA) 50KSI	4 X #10
10'-7"	6" X PRO300 (3") FLANGE 97 MILS (12GA) 50KSI	5-7/8" (6" FRAMING) HEADER BRACKET 97 MILS (12GA)	4 X #12	6" X PRO300 (3") FLANGE 97 MILS (12GA) 50KSI	4 X #12
12'-10"	6" X PRO350 (3-1/2") FLANGE 97 MILS (12GA) 50KSI	5-7/8" (6" FRAMING) HEADER BRACKET 97 MILS (12GA)	4 X #12	6" X PRO300 (3") FLANGE 97 MILS (12GA) 50KSI	4 X #12

NOTES:
1. PROVIDE HEADERS OVER ALL OPENINGS, INCLUDING BUT NOT LIMITED TO: DOORS, WINDOWS, LOUVERS, RECESSES UNLESS SHOWN OR NOTED OTHERWISE.
2. FOR DIMENSIONS AND LOCATION OF OPENINGS SEE ARCHITECTURAL

EXTERIOR REDHEADER PRO™ & HDS® FRAMING SYSTEMS					
MAX CLEAR OPENING SPAN	HEADER BOX BEAM	HEADER BRACKET OR HEADER CLIP	HEADER FASTENERS	JAMB	JAMB FASTENERS
4'-5"	6" X PRO300 (3") FLANGE 33 MILS (20GA) 33KSI	5-7/8" (6" FRAMING) HEADER BRACKET 97 MILS (12GA)	4 X #12	6" X PRO300 (3") FLANGE 97MILS (12GA) 50KSI	4 X #12
6'-5"	6" X PRO300 (3") FLANGE 54 MILS (16GA) 50KSI	5-7/8" (6" FRAMING) HEADER BRACKET 68 MILS (14GA)	4 X #10	6" X PRO300 (3") FLANGE 97 MILS (12GA) 50KSI	4 X #10
11'-7"	6" X PRO300 (3") FLANGE 97 MILS (12GA) 50KSI	5-7/8" (6" FRAMING) HEADER BRACKET 97 MILS (12GA)	4 X #12	(4) 600S162-68 BUILT-UP STUD	4 X #12
20'-0"	6" X PRO350 (3.5") FLANGE 97 MILS (12GA) 50KSI	5-7/8" (6" FRAMING) HEADER BRACKET 97 MILS (12GA)	4 X #12	6" X PRO300 (3") FLANGE 97 MILS (12GA) 50KSI	4 X #12

NOTES:
1. PROVIDE HEADERS OVER ALL OPENINGS, INCLUDING BUT NOT LIMITED TO: DOORS, WINDOWS, LOUVERS, RECESSES UNLESS SHOWN OR NOTED OTHERWISE.
2. FOR DIMENSIONS AND LOCATION OF OPENINGS SEE ARCHITECTURAL

WALL SCHEDULE		
MARK	STUD SIZE	SPACING
WP1	600S162-68	16" O.C.
WP2	362S162-68	16" O.C.

NOTES:
1. FOR NON-LOAD BEARING WALLS, DIMENSIONS AND LOCATION OF OPENINGS SEE ARCHITECTURAL PLANS.
2. FOR FASTENING REQUIREMENTS, SEE DETAIL 10/S203

COLUMNS AND WALLS SHALL BE CENTERED ON GRID LINES UNLESS NOTED OTHERWISE.

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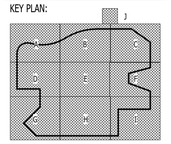

FRAMING PLAN

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TREVOR J. PAITZ
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PROFESSIONAL ENGINEER
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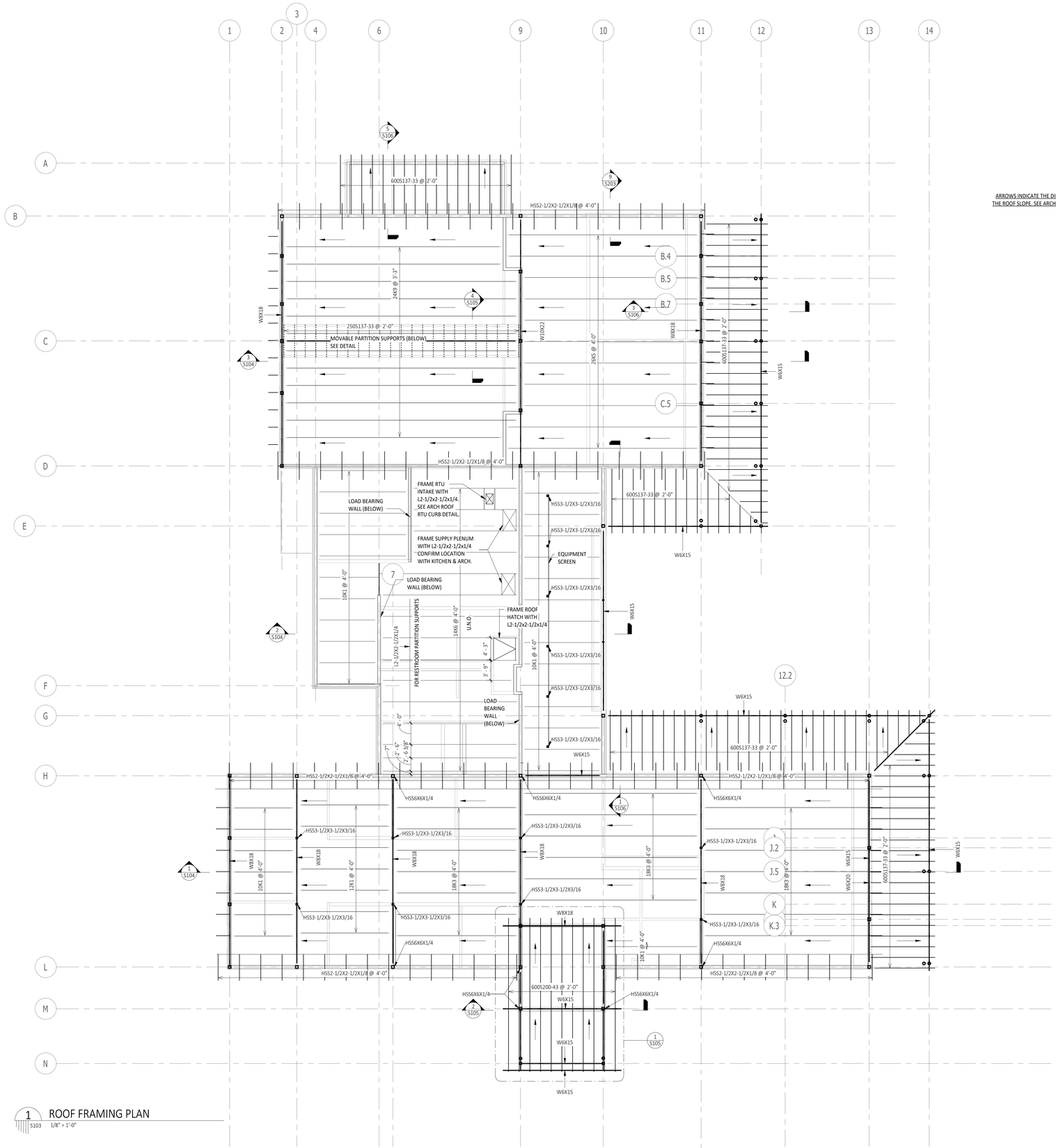

1 S103 ROOF FRAMING PLAN
1/8" = 1'-0"

ARROWS INDICATE THE DIRECTION OF THE ROOF SLOPE. SEE ARCH FOR SLOPES.

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COUSHATTA TRIBE - EDUCATION BUILDING

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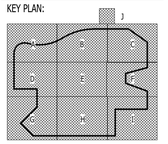

ROOF FRAMING PLAN

STATE OF LOUISIANA
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12/08/2025

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Proj #: Project Number
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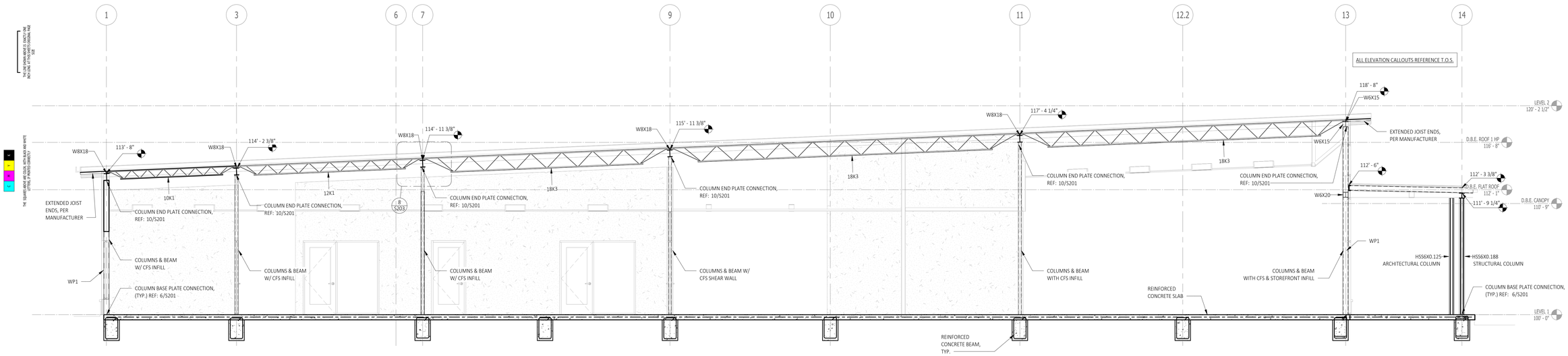
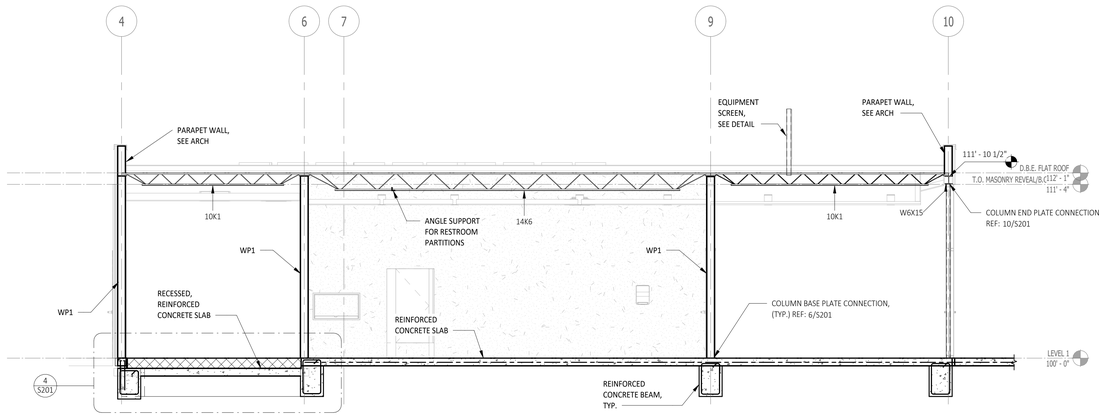
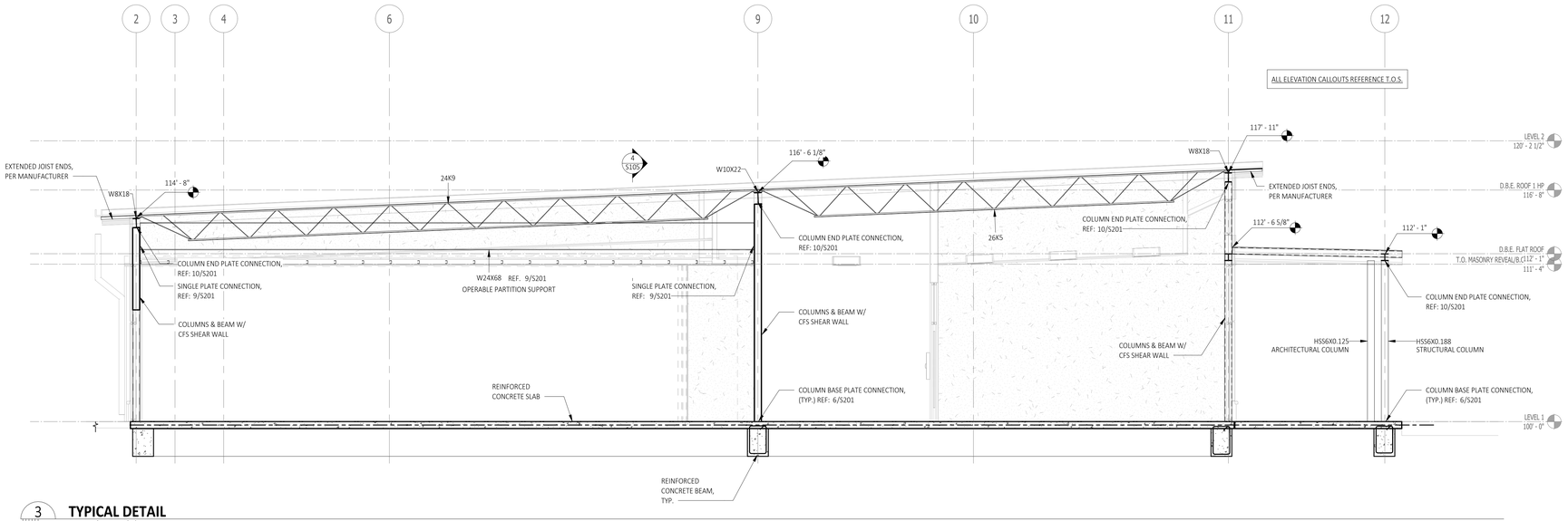


1 S104 **TYPICAL DETAIL**
South Building



2 S104 **TYPICAL DETAIL**
Center Building



3 S104 **TYPICAL DETAIL**
North Building

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COUSHATTA TRIBE - EDUCATION BUILDING

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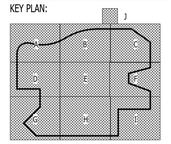
KEY PLAN:



BUILDING SECTIONS (1 OF 3)

STATE OF LOUISIANA
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License No. 48389
PROFESSIONAL ENGINEER
ENGINEERING
12/08/2025

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Proj #: Project Number Reviewed By:

S104

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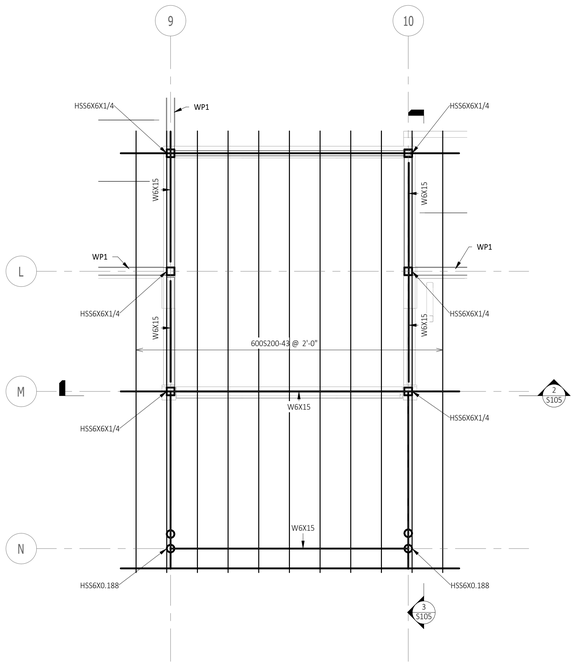
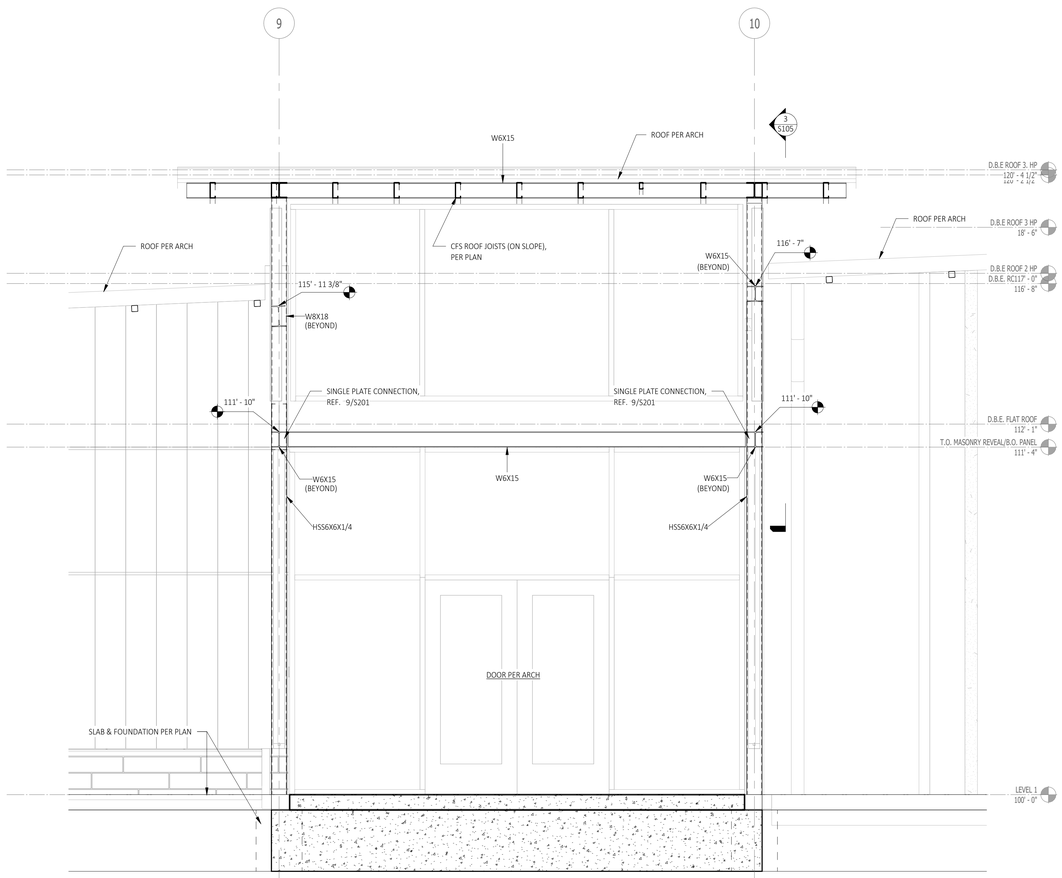
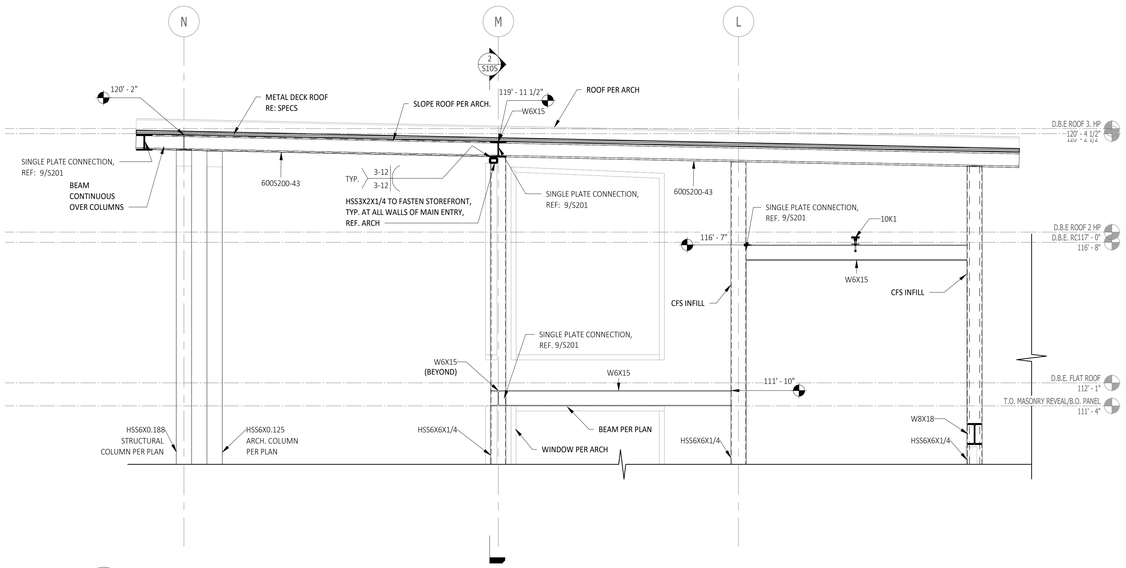


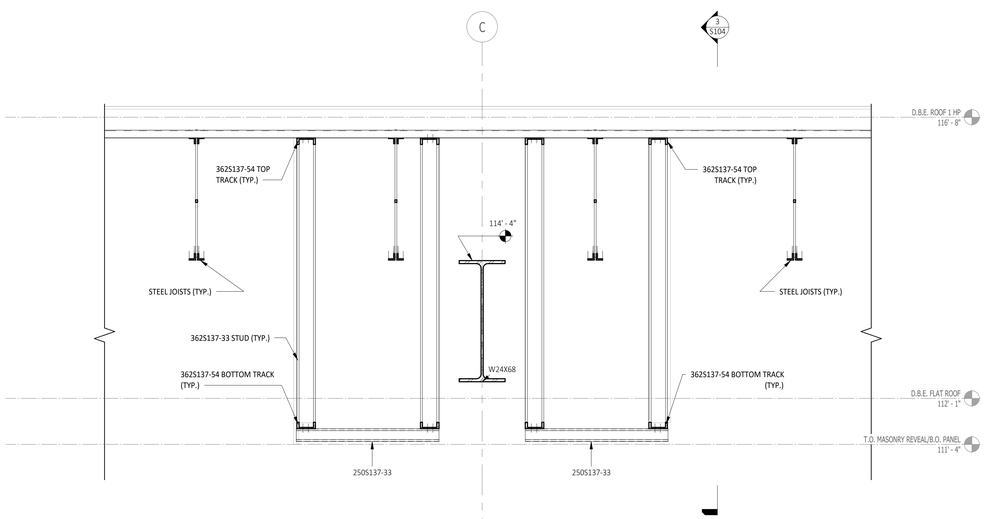
1 ENTRY FRAMING PLAN
S103 | S105 1/4" = 1'-0"



2 ENTRY SOUTH ELEVATION
S101 | S105 1/2" = 1'-0"



3 SECTION
S105 | S105 1/2" = 1'-0"



4 SECTION AT MOVABLE PARTITION
S103 | S105 1" = 1'-0"

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CPP Engineering, LLC

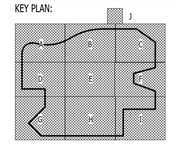
COUSHATTA TRIBE OF LOUISIANA

COUSHATTA TRIBE - EDUCATION BUILDING

1950 CC BEL RD
ELTON, LA 70532

Issue:	No:	Date:
BID SET		2025.12.05

KEY PLAN:



BUILDING SECTIONS (2 OF 3)

STATE OF LOUISIANA
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Proj #: Project Number Reviewed By:

S105

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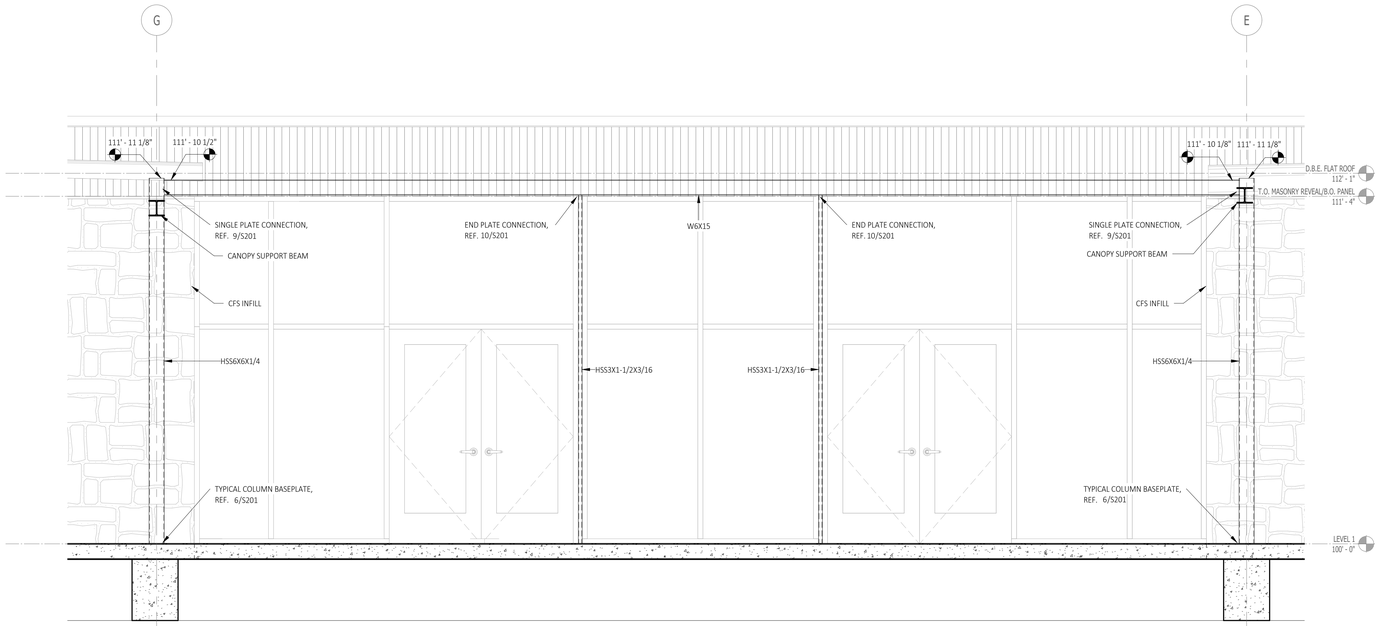
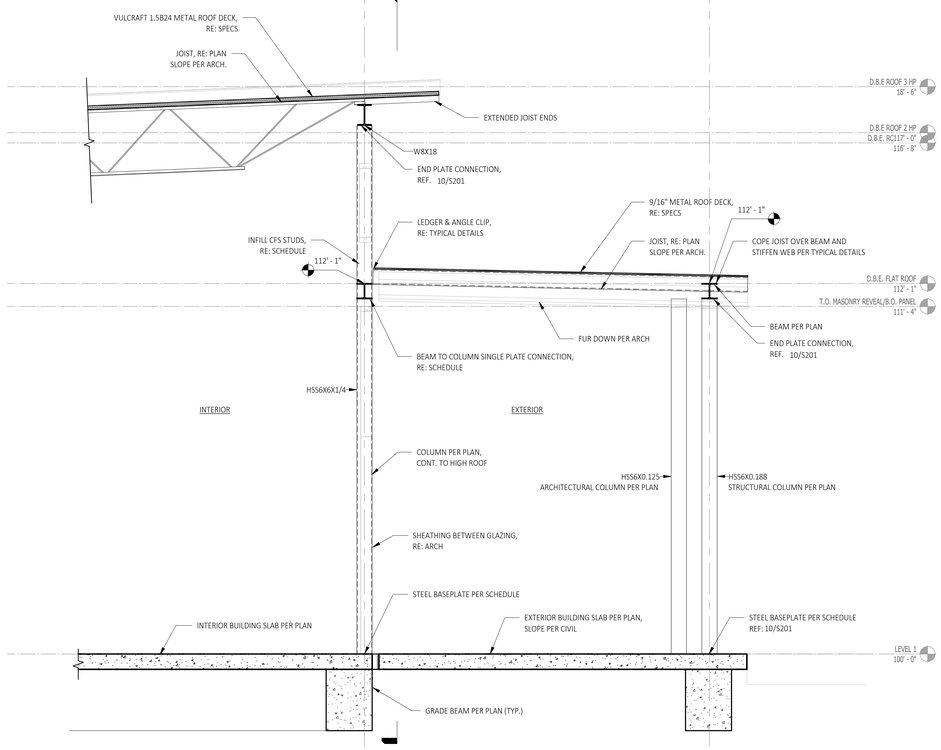
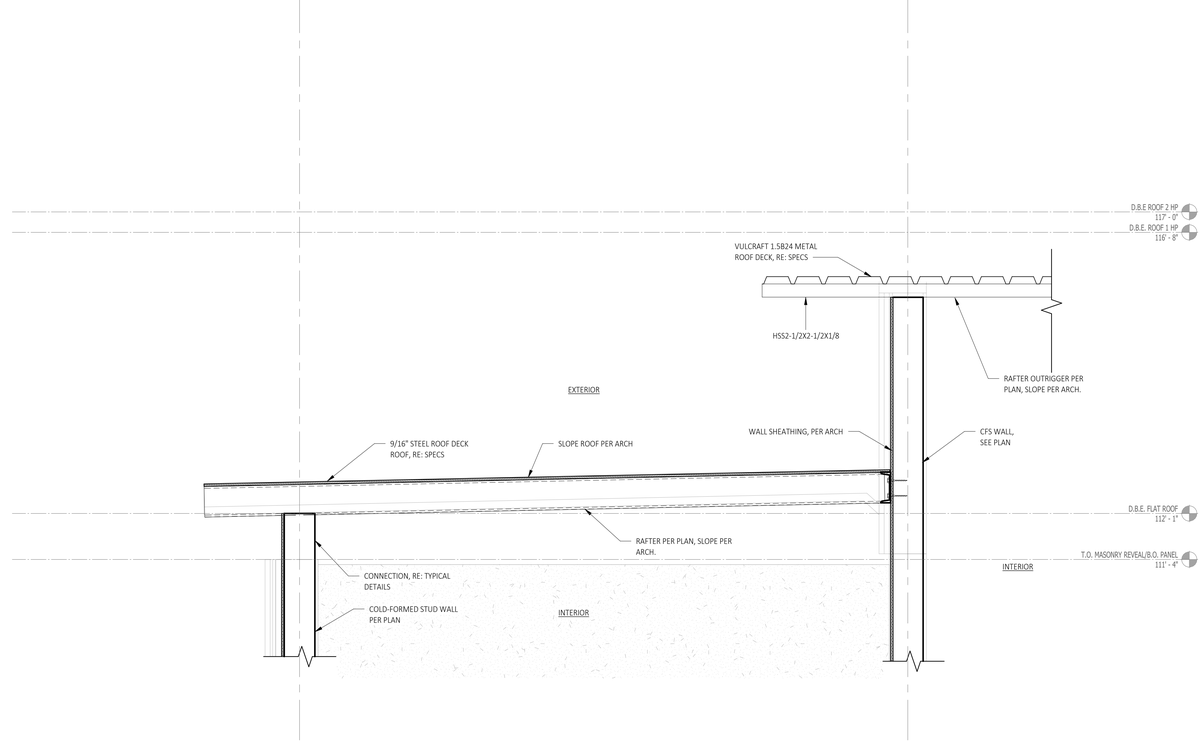


1 S106 **TYPICAL DETAIL**
MIDDLE BUILDING ENTRY ELEVATION



3 S102 | S106 1/2" = 1'-0" **TYPICAL CANOPY ROOF SECTION**



5 S103 | S106 1" = 1'-0" **SECTION**

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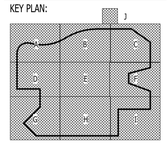
Issue:	No:	Date:
IDD SET		202512.05

KEY PLAN:



BUILDING SECTIONS (3 OF 3)

STATE OF LOUISIANA
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S106

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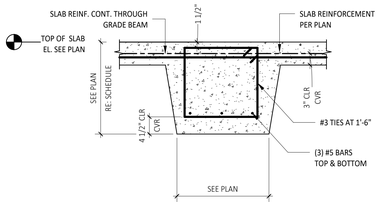
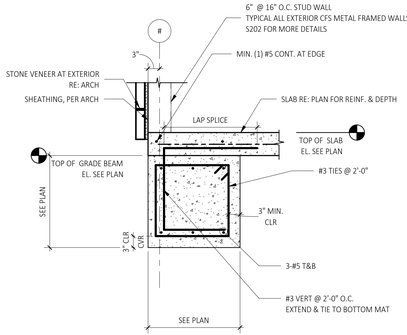
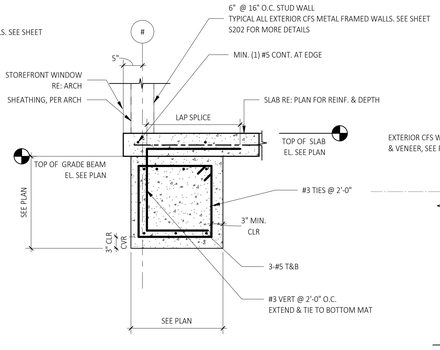


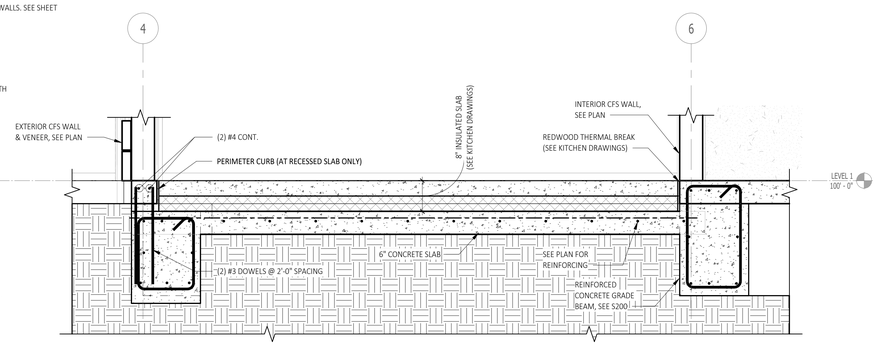
1 S201 INTERIOR GRADE BEAM
3/4" = 1'-0"



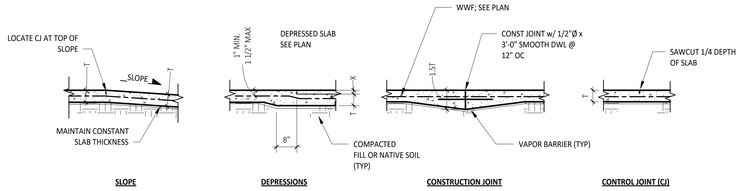
2 S201 PERIMETER GRADE BEAM W/ VENEER EDGE
3/4" = 1'-0"



3 S201 PERIMETER GRADE BEAM @ STOREFRONT WINDOWS
3/4" = 1'-0"

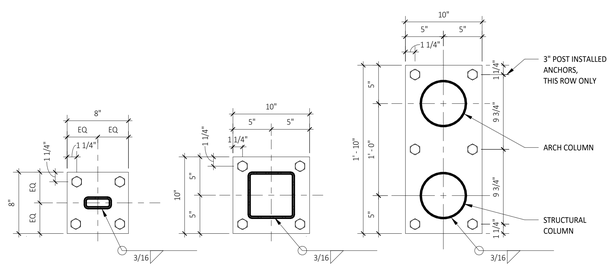


4 S201 CENTER BUILDING - RECESSED WALK-IN COOLER SLAB
3/4" = 1'-0"

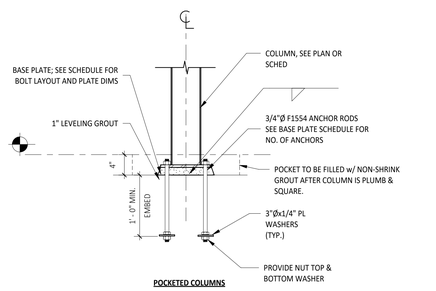


NOTES:
1. SEE PLAN NOTES FOR SLAB DEPTH & REINFORCING & CONTROL JOINT SPACING REQUIREMENTS.
2. T DENOTES DEPTH OF SLAB ON GRADE
3. PROVIDE VAPOR RETARDER BELOW SLAB
4. SUBGRADE SHALL BE RECOMPACTED PER GENERAL NOTES

5 S201 SLAB ON GRADE DETAILS
1/2" = 1'-0"



6 S201 **TYPICAL DETAIL**
BASE PLATE CONFIGURATIONS



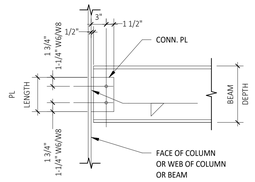
POCKETED COLUMNS

7 S201 **TYPICAL DETAIL**
COLUMN BASE AND LEVELING PLATE

CONCRETE REINFORCING STEEL LAP SPLICES		
BAR SIZE	MIN LAP SPLICE LENGTH (IN.)	
	TOP BARS	OTHER BARS
3	15	12
4	24	18
5	35	27
6	40	32
7	48	37
8	60	46
9	74	57
10	88	68
11	104	80

NOTES:
1. Table based on ACI 318-14
2. f'c = 4000 psi min, fy = 60000 psi
3. 3/4" min. concrete clear cover for #3 to #5 sizes; 1-1/2" min. concrete clear cover for #6 and larger.
4. Top bars are considered to be horizontal bars with more than 12" depth of concrete cast below the reinforcement.
5. Horizontal wall reinforcement is considered a top bar.

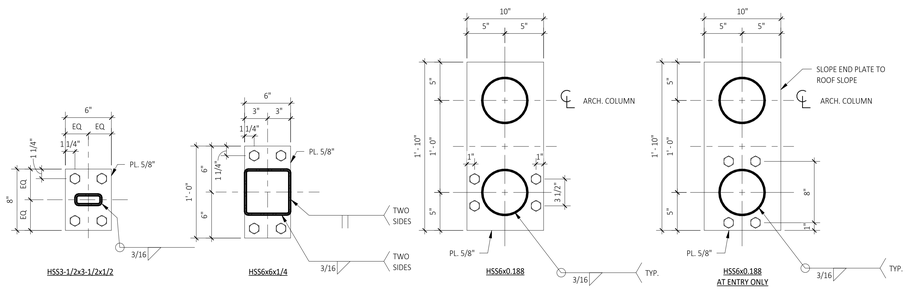
8 S201 CONCRETE REINFORCING LAP SPLICE SCHEDULE
3/4" = 1'-0"



BEAM DEPTH	3/4"Ø A325N BOLTS	CONNECTION PLATE		WELD SIZE (E70XX)
	NO.	LENGTH	THICK.	
W6	2	5 1/2"	1/4"	1/4"
W8/C8	2	5 1/2"	1/4"	1/4"
W10/C10	3	9 1/2"	1/4"	1/4"
W12/C12	3	9 1/2"	3/8"	1/4"
W14/C15	3	9 1/2"	3/8"	1/4"
W16	4	12 1/2"	3/8"	1/4"
W18	5	15 1/2"	3/8"	5/16"
W21	6	18 1/2"	3/8"	5/16"
W24	7	21 1/2"	3/8"	5/16"
W27	8	24 1/2"	3/8"	5/16"
W30	8	24 1/2"	1/2"	3/8"
W33	9	27 1/2"	1/2"	3/8"
W36	9	27 1/2"	1/2"	3/8"

INFORMATION FROM AISC MANUAL TABLE 7-1, SECTION 8, AND TABLE 10-4

9 S201 SINGLE PLATE CONNECTION SCHEDULE
1" = 1'-0"



10 S201 **TYPICAL DETAIL**
END PLATE CONFIGURATIONS

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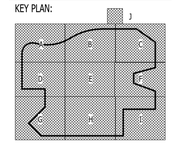

SECTIONS & DETAILS (2 OF 2)

STATE OF LOUISIANA
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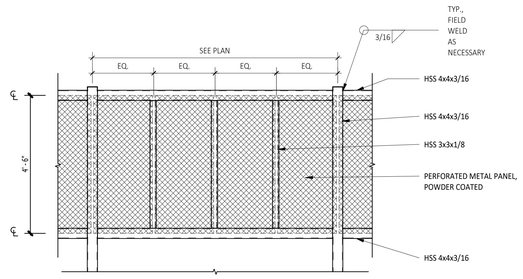
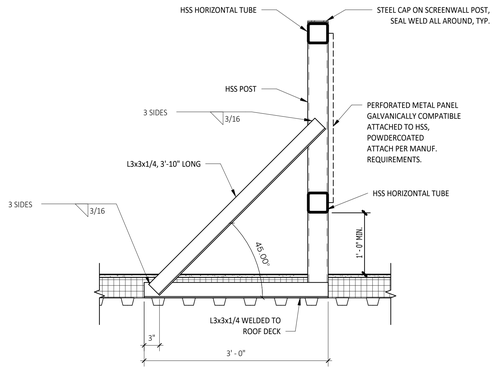
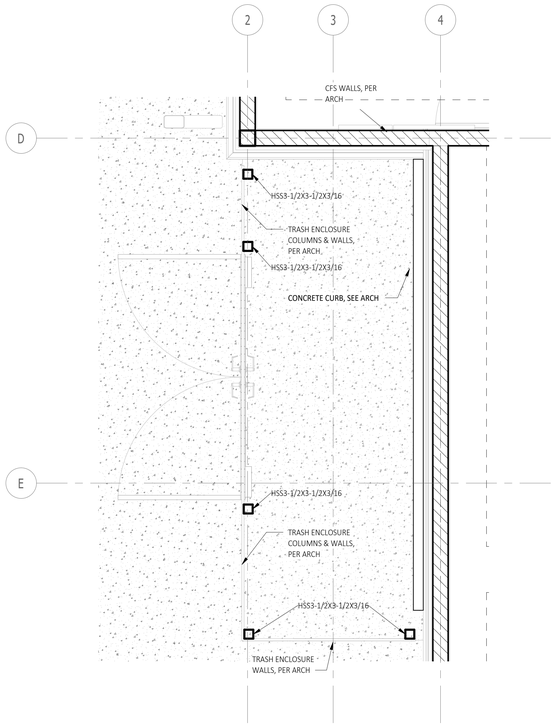


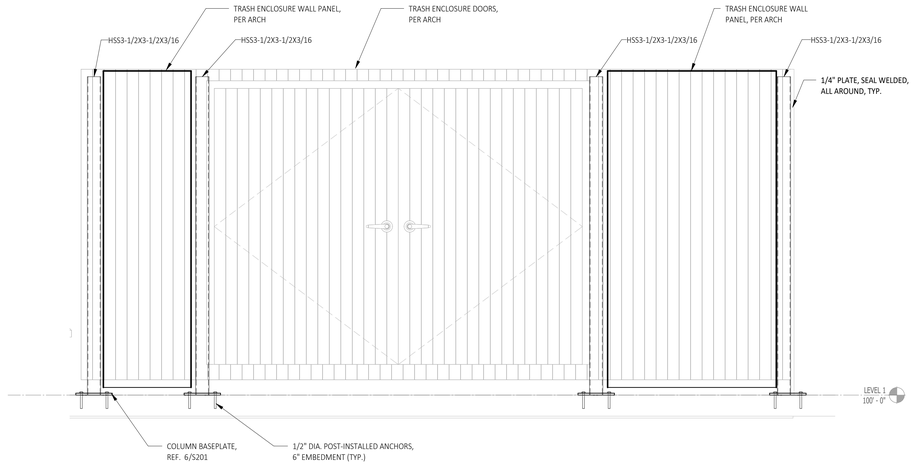
1 S200 **TYPICAL DETAIL**
EQUIPMENT SCREEN DETAIL



2 S200 **TYPICAL DETAIL**
EQUIPMENT SCREEN DETAIL



3 S102 | S200 **TRASH ENCLOSURE**
1/2" = 1'-0"



4 S200 **TRASH ENCLOSURE ELEVATION**
3/4" = 1'-0"

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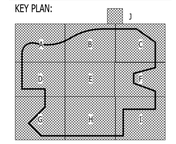

SECTIONS & DETAILS (1 OF 2)

STATE OF LOUISIANA
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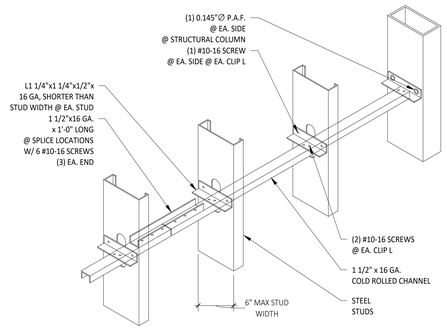
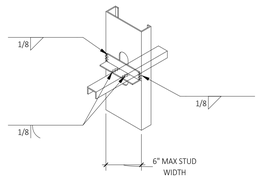


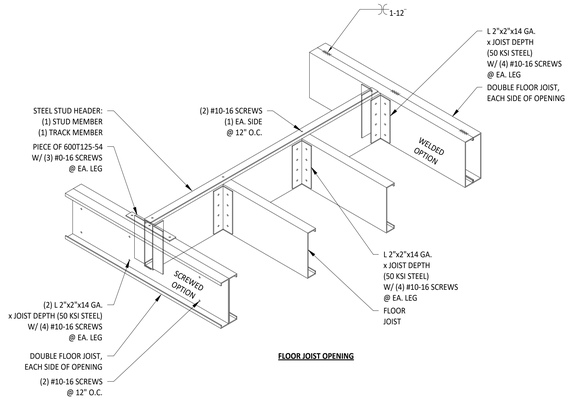
COLD ROLLED CHANNEL

LOAD BEARING WALL BRIDGING

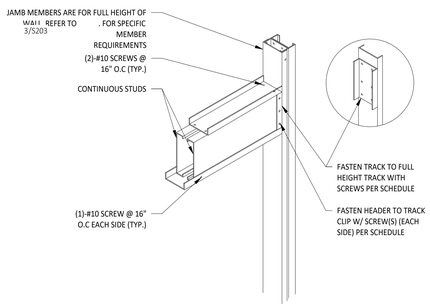


ALTERNATE

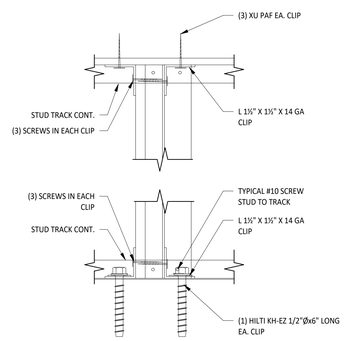
WELDED ATTACHMENT



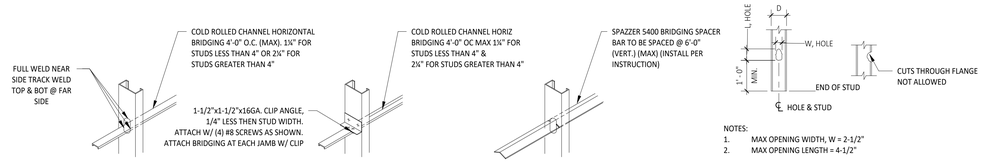
FLOOR JOIST OPENING



AXIAL LOAD BEARING JAMB & HEAD
[<4'-0" OPENING WIDTH]



JAMB BASE & TOP CONNECTIONS
FOR OPENING WIDTH LESS THAN 8'-0"

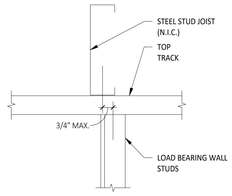


WELDED OPTION | **NON-WELDED OPTION** | **SPAZZER OPTION**

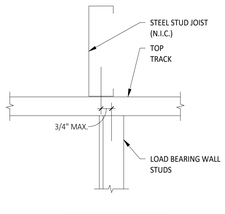
TYPICAL BRIDGING DETAILS

NOTES:
1. MAX OPENING WIDTH, W = 2-1/2"
2. MAX OPENING LENGTH = 4-1/2"

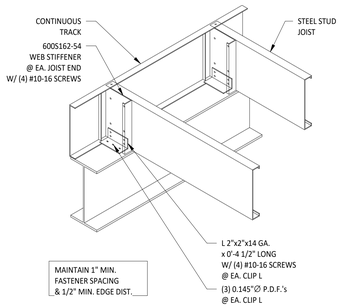
MAX OPENING FOR BRIDGING



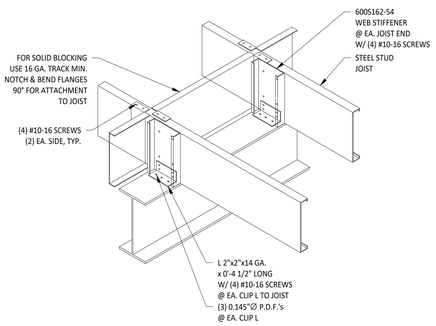
BEARING TOLERANCE



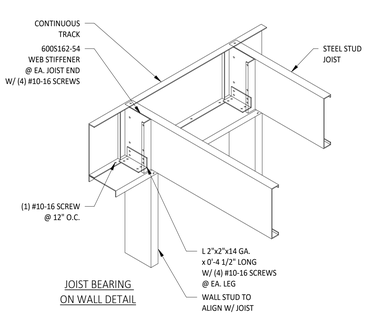
BEARING TOLERANCE



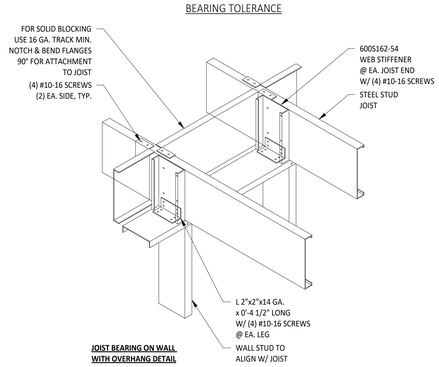
JOIST BEARING ON STEEL BEAM DETAIL



JOIST BEARING ON STEEL BEAM WITH OVERHANG DETAIL



JOIST BEARING
ON WALL DETAIL



JOIST BEARING ON WALL WITH OVERHANG DETAIL

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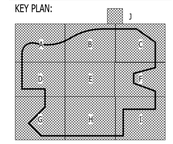
Issue:	No:	Date:
50% DESIGN DEVELOPMENT		2024.12.20
100% DESIGN DEVELOPMENT		2025.01.10
50% CONSTRUCTION DOCUMENTS		2025.02.21
75% CONSTRUCTION DOCUMENTS		2025.03.14
100% CONSTRUCTION DOCUMENTS		2025.04.04
BID SET		202512.05

KEY PLAN:



CFS FRAMING DETAILS (1 OF 2)

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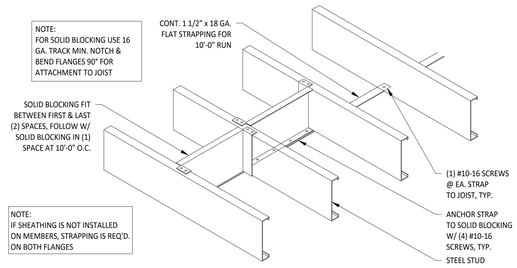
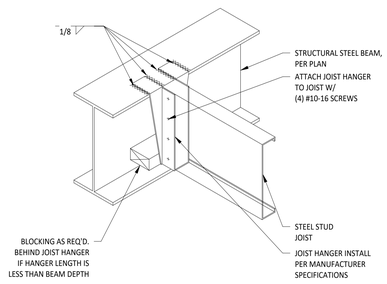
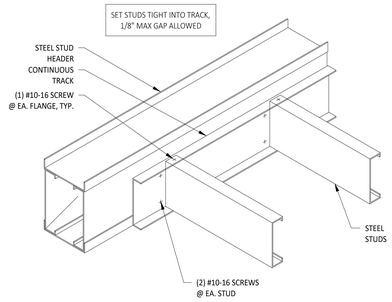


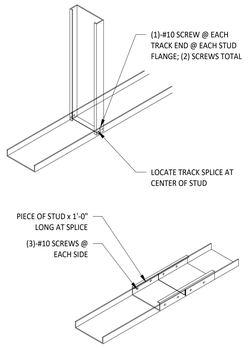
JOIST BRIDGING DETAIL



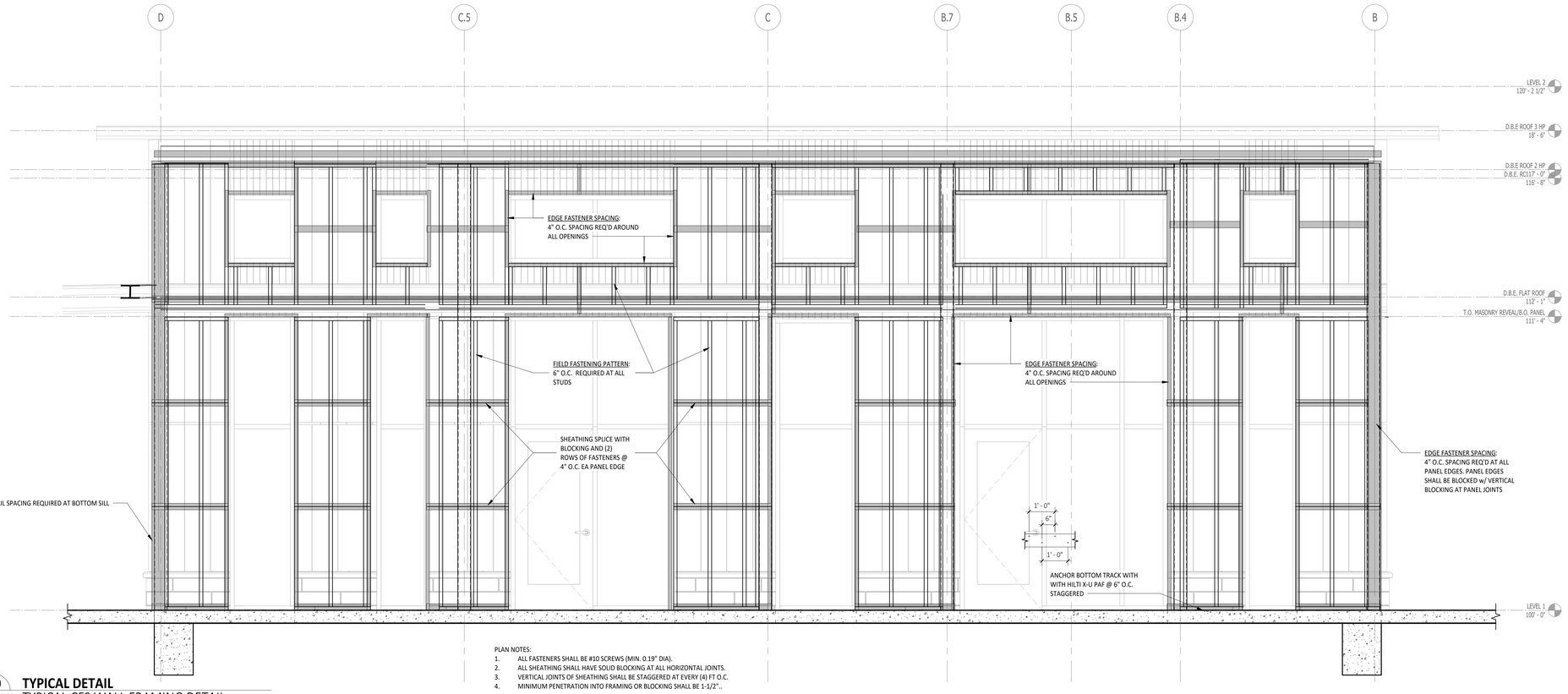
JOIST HANGER DETAIL



STUD TO HEADER ATTACHMENT DETAIL

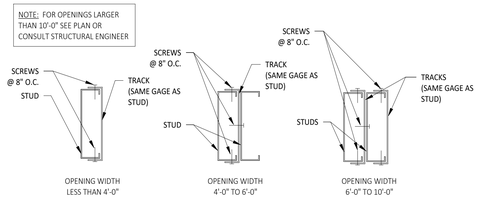


TRACK SPLICE DETAIL

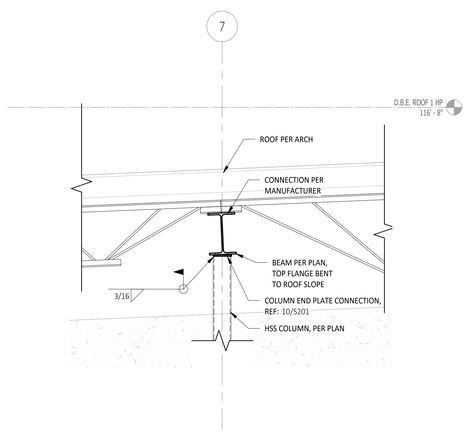


PLAN NOTES:
1. ALL FASTENERS SHALL BE #10 SCREWS (MIN. 0.19" DIA).
2. ALL SHEATHING SHALL HAVE SOLID BLOCKING AT ALL HORIZONTAL JOINTS.
3. VERTICAL JOINTS OF SHEATHING SHALL BE STAGGERED AT EVERY (4) FT O.C.
4. MINIMUM PENETRATION INTO FRAMING OR BLOCKING SHALL BE 1-1/2" .

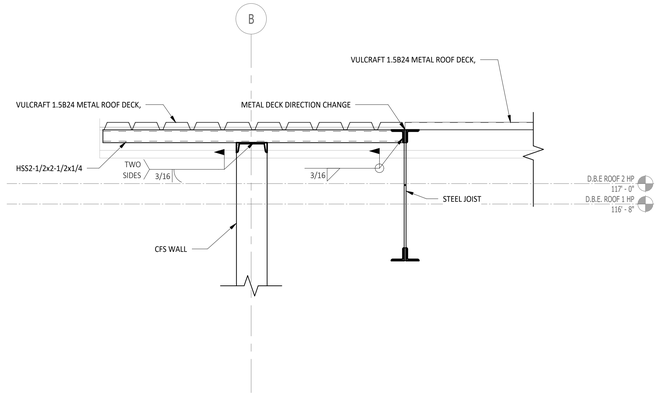
10 **TYPICAL DETAIL**
S203 TYPICAL CFS WALL FRAMING DETAIL



TYPICAL JAMB & NESTED STUD DETAILS



8 **TYPICAL DETAIL**
S203 TYPICAL BEAM-ROOF CONNECTION



9 **TYPICAL DETAIL**
S203 TYPICAL ROOF OVERHANG DETAIL

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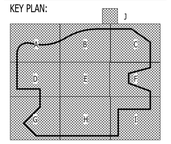
COUSHATTA TRIBE - EDUCATION BUILDING

1950 CC BEL RD
ELTON, LA 70532

Issue:	No:	Date:
BID SET		202512.05

KEY PLAN:



CFS FRAMING DETAILS (2 OF 2)

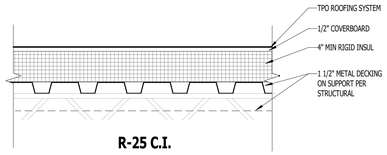
STATE OF LOUISIANA
TREVOR J. PAITZ
License No. 48389
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
12/08/2025

TRUE NORTH
PROJECT NORTH

Proj #: Project Number
Reviewed By:

S203

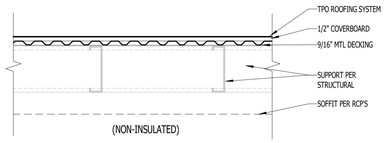
NOT RELEASED FOR CONSTRUCTION



R-25 C.I.

ROOF (R-1)

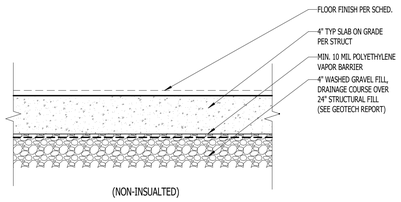
TPO ON RIGID INSUL ON STRUCTURAL SUPPORT



(NON-INSULATED)

ROOF (R-2)

EXTERIOR OVERHANG CANOPY

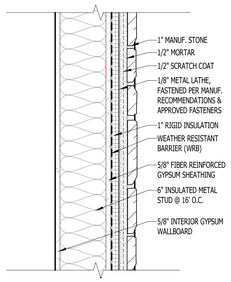


(NON-INSUALTED)

FLOOR (F-1)

SLAB ON GRADE

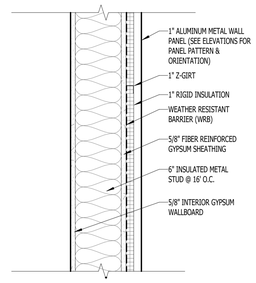
HORIZONTAL ASSEMBLIES
1 1/2" = 1'-0"



R-13 + R-5CI

EXTERIOR WALL 1 (EW-1)

STONE ON 6" MTL STUDS

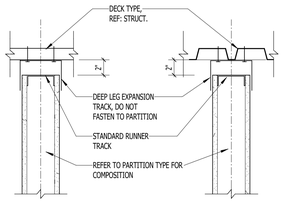


R-13 + R-5CI

EXTERIOR WALL 2 (EW-2)

MTL PANEL ON 6" MTL STUDS

VERTICAL ASSEMBLIES - EXTERIOR
1 1/2" = 1'-0"

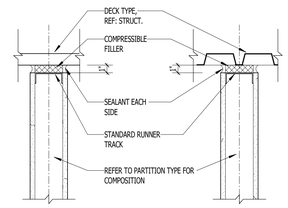


PERPENDICULAR TO DECK RIBS, OR FLAT CONC. DECK

PARALLEL TO DECK RIBS

(PARTITION EXPANSION @ DECK)

A2 / A00.11 HEAD CONDITION "2"
1 1/2" = 1'-0"

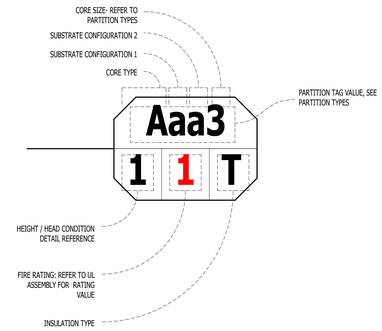


PERPENDICULAR TO DECK RIBS, OR FLAT CONC. DECK

PARALLEL TO DECK RIBS

(PARTITION TO DECK)

A1 / A00.11 HEAD CONDITION "1"
1 1/2" = 1'-0"



CORE TYPES

C. CAST IN PLACE CONCRETE

G. CONCRETE MASONRY UNIT (GROUTED SOLID)
H. CONCRETE MASONRY UNIT (HOLLOW)

M. METAL STUD FRAMING / METAL FURRING
MM. METAL STUD FRAMING (2 ROWS, PARALLEL WITH PRESCRIBED AIR GAP BETWEEN)
ML. LOAD BEARING METAL STUD (SEE STRUCT.)

S. METAL SHAFT WALL CH STUD

T. TILT-UP CONCRETE PANEL

W. WOOD STUD FRAMING / WOOD FURRING
WA. WOOD STUD FRAMING / AAC (2 ROWS, PARELLEL WITH PRESCRIBED AIR GAPS, AND AAC)
WW. WOOD STUD FRAMING (2 ROWS, PARALLEL WITH PRESCRIBED AIR GAP BETWEEN)

SUBSTRATE CONFIGURATIONS

a. 5/8" GWB (1 LAYER)
b. 5/8" GWB (2 LAYER)
c. 5/8" GWB (3 LAYER)
d. 5/8" GWB (4 LAYER)
e. 1/2" GWB (1 LAYER)
f. 1/2" GWB (2 LAYER)

g. 3/4" PLWD (1 LAYER)
h. 1/2" PLWD (1 LAYER)

i. 5/8" GWB (1 LAYER), 3/4" PLYWD (1 LAYER)
j. 5/8" GWB (1 LAYER), 1/2" PLYWD (1 LAYER)
k. 1/2" GWB (1 LAYER), 3/4" PLYWD (1 LAYER)
l. 1/2" GWB (1 LAYER), 1/2" PLYWD (1 LAYER)

n. 5/8" CMT (1 LAYER)
o. 5/8" CMT (1 LAYER), 5/8" GWB (1 LAYER)
p. 1/2" CMT (1 LAYER)
q. 1/2" CMT (1 LAYER), 1/2" GWB (1 LAYER)

r. 1/2" RESILIENT CHANNEL, 5/8" GWB (1 LAYER)

s. 1" SHAFT LINER (1 LAYER)
ss. 1" SHAFT LINER (2 LAYER)

t. 1" GWB (2 LAYER)

u. 5/8" GWB (1 LAYER), 1-1/8" ISOLATION CLIP
v. 5/8" GWB (1 LAYER), 1-1/8" ISOLATION CLIP, 5/8" GWB (1 LAYER)
w. 5/8" GWB (1 LAYER), 1-1/8" ISOLATION CLIP, 3/4" PLYWD (1 LAYER)
x. 5/8" GWB (2 LAYER), 1-1/8" ISOLATION CLIP
y. 5/8" GWB (2 LAYER), 1-1/8" ISOLATION CLIP, 5/8" GWB (1 LAYER)
z. 5/8" GWB (2 LAYER), 1-1/8" ISOLATION CLIP, 3/4" PLYWD. (1 LAYER)

(None) CORE ONLY

INSULATION TYPES

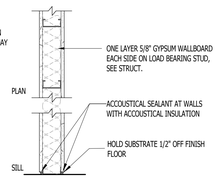
A. ACOUSTIC- 2.5" GLASS FIBER

B. ACOUSTIC- 3.5" GLASS FIBER

C. ACOUSTIC- TYPE 3

T. THERMAL INSULATION

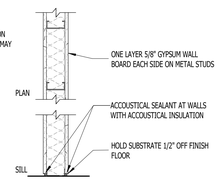
REFER TO PARTITION TAG FOR FIRE RATING, HEIGHT / HEAD CONDITION DETAIL, AND INSULATION INFORMATION (SHOWN HERE FOR REFERENCE ONLY- MAY NOT EXIST)



TAG	STUD SIZE	OVERALL THICKNESS	UL ASSEMB (IF RATED)
MLaa6	6"	7 1/4"	UA19

1 / A00.11 PARTITION TYPE - MSaa_
1" = 1'-0"

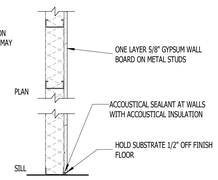
REFER TO PARTITION TAG FOR FIRE RATING, HEIGHT / HEAD CONDITION DETAIL, AND INSULATION INFORMATION (SHOWN HERE FOR REFERENCE ONLY- MAY NOT EXIST)



TAG	STUD SIZE	OVERALL THICKNESS	UL ASSEMB (IF RATED)
Maa3	3-5/8"	4 7/8"	UA19
Maa6	6"	7 1/4"	UA19
Maa6	6"	7 1/4"	UA19
Maa6	6"	7 1/4"	UA19

E6 / A00.11 PARTITION TYPE - Maa_
1" = 1'-0"

REFER TO PARTITION TAG FOR FIRE RATING, HEIGHT / HEAD CONDITION DETAIL, AND INSULATION INFORMATION (SHOWN HERE FOR REFERENCE ONLY- MAY NOT EXIST)



TAG	STUD SIZE	OVERALL THICKNESS	UL ASSEMB (IF RATED)
Ma3	3-5/8"	4 1/4"	

D6 / A00.11 PARTITION TYPE - Ma_
1" = 1'-0"

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985-205-1161

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LANDSCAPE ARCHITECTURE
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FOOD SERVICE
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MANDEVILLE, LA 70471
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COUSHATTA TRIBE OF LOUISIANA

COUSHATTA TRIBE - EDUCATION BUILDING

1950 CC BEL RD
ELTON, LA 70532

Issue:	No:	Date:
BID SET		2025.12.05

PARTITION TYPES - OVERALL

ROBERT J SULLIVAN
REG. NO. 10636
STATE OF LOUISIANA
REGISTERED ARCHITECT
12/09/2025

Proj #: 24.0002607.000 Reviewed By:

A00.11

NOT RELEASED FOR CONSTRUCTION

THE LINE SHOWN ABOVE IS .05IN(1.27M) AT PLOTTED SPECIFIED PAGE SIZE

THE SQUARES ABOVE ARE (FOUR WITH BLACK AND WHITE LETTERS, IF PRINTED CORRECTLY)

LIFE SAFETY- OCCUPANCY

NAME	AREA	AREA FUNCTION (OLF)	AREA PER OCCUPANT	OCCUPANTS
ASSEMBLY				
KITCHEN	679.90 SF	(IBC2021) KITCHENS- COMMERCIAL	200.00 SF	4
ASSEMBLY: 1	679.90 SF			4
BUSINESS				
BREAKROOM	304.04 SF	(IBC2021) BUSINESS AREAS	150.00 SF	3
BUSINESS	1786.85 SF	(IBC2021) BUSINESS AREAS	150.00 SF	12
BUSINESS	668.54 SF	(IBC2021) BUSINESS AREAS	150.00 SF	5
BUSINESS	1633.09 SF	(IBC2021) BUSINESS AREAS	150.00 SF	11
BUSINESS CONC.	97.32 SF	(IBC2021) BUSINESS CONCENTRATED	50.00 SF	2
CLASSROOM	472.42 SF	(IBC2021) EDUCATIONAL- CLASSROOM AREA	20.00 SF	24
CLASSROOM	475.49 SF	(IBC2021) EDUCATIONAL- CLASSROOM AREA	20.00 SF	24
CLASSROOM	975.33 SF	(IBC2021) EDUCATIONAL- CLASSROOM AREA	20.00 SF	49
CLASSROOM	981.08 SF	(IBC2021) EDUCATIONAL- CLASSROOM AREA	20.00 SF	50
LAB	1207.55 SF	(IBC2021) EDUCATIONAL- SHOPS AND OTHER VOCATIONAL ROOM AREAS	50.00 SF	25
BUSINESS: 10	8601.71 SF			205
STORAGE				
STORAGE	314.93 SF	(IBC2021) ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300.00 SF	2
STORAGE	61.00 SF	(IBC2021) ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300.00 SF	1
STORAGE	202.72 SF	(IBC2021) ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300.00 SF	1
STORAGE	81.06 SF	(IBC2021) ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300.00 SF	1
STORAGE	132.25 SF	(IBC2021) ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300.00 SF	1
STORAGE	89.05 SF	(IBC2021) ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300.00 SF	1
STORAGE	105.02 SF	(IBC2021) ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300.00 SF	1
STORAGE: 7	986.01 SF			8
	10267.62 SF			217

PLUMBING FIXTURE COUNTS - IPC CHAPTER 4

ASSEMBLY	WATER CLOSETS		LAVATORIES		DRINKING FOUNTAINS	OTHER
	MALE	FEMALE	MALE	FEMALE		
OCCUPANTS: 151	0.628	1.208	0.393	0.393	0.314	1 SERVICE SINK

WATER CLOSETS: MALE - 1 PER 125; FEMALE - 1 PER 65
LAVATORIES: 1 PER 200, BOTH MALE AND FEMALE
DRINKING FOUNTAINS: 1 PER 500
OTHER: 1 SERVICE SINK

BUSINESS	WATER CLOSETS		LAVATORIES		DRINKING FOUNTAINS	OTHER
	MALE	FEMALE	MALE	FEMALE		
OCCUPANTS: 103	2.030	2.030	1.288	1.288	1.030	1 SERVICE SINK

WATER CLOSETS: 1 PER 25 FOR THE FIRST 50 AND 1 PER 50 FOR THE REMAINDER EXCEEDING 50, BOTH MALE AND FEMALE
LAVATORIES: 1 PER 40 FOR THE FIRST 80 AND 1 PER 80 FOR THE REMAINDER EXCEEDING 80, BOTH MALE AND FEMALE
DRINKING FOUNTAINS: 1 PER 100
OTHER: 1 SERVICE SINK

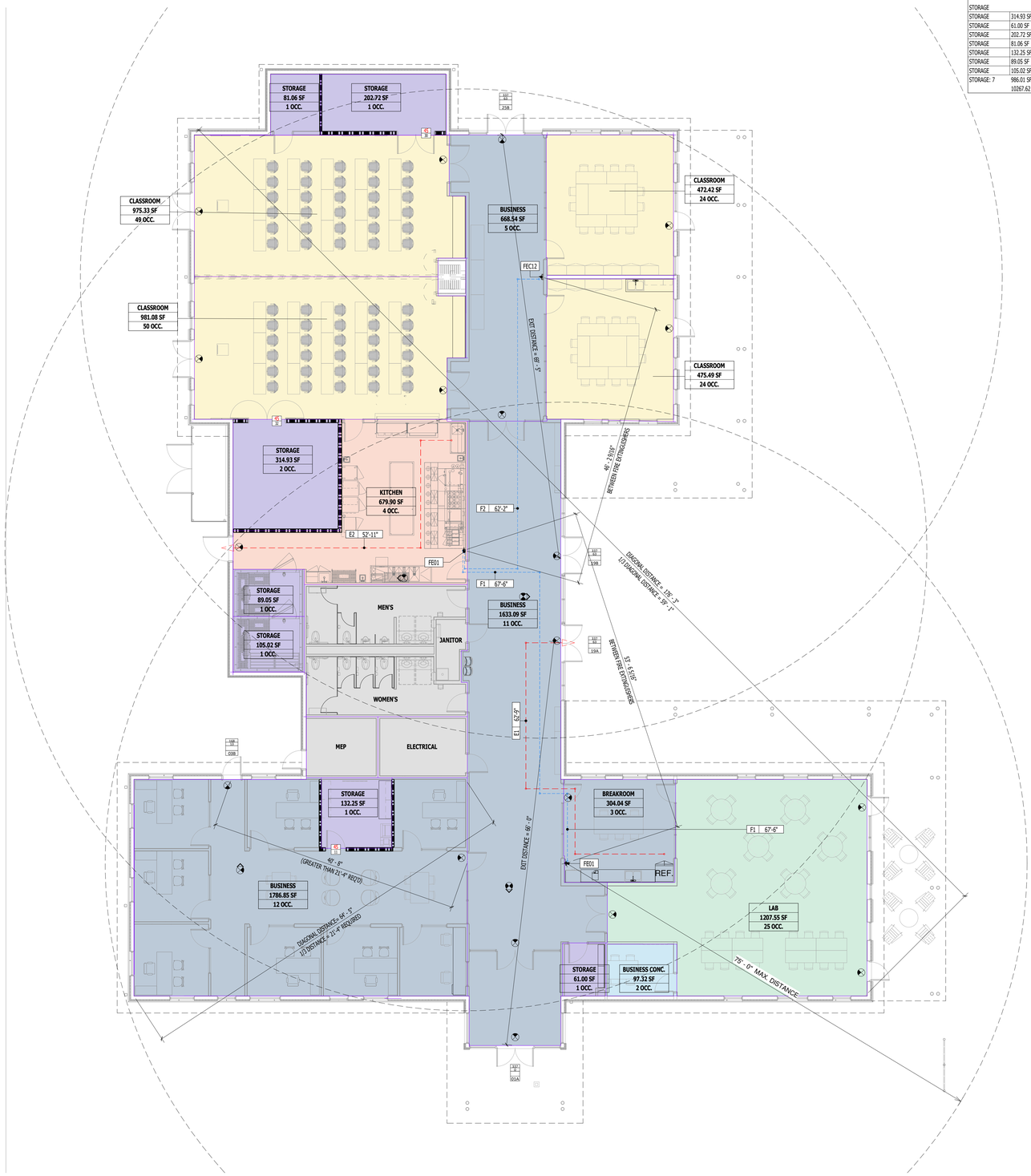
STORAGE	WATER CLOSETS		LAVATORIES		DRINKING FOUNTAINS	OTHER
	MALE	FEMALE	MALE	FEMALE		
OCCUPANTS: 5	0.025	0.025	0.025	0.025	0.005	1 SERVICE SINK

WATER CLOSETS: 1 PER 100, BOTH MALE AND FEMALE
LAVATORIES: 1 PER 100, BOTH MALE AND FEMALE
DRINKING FOUNTAINS: 1 PER 1,000
OTHER: 1 SERVICE SINK

TOTAL FIXTURES REQUIRED	WATER CLOSETS		LAVATORIES		DRINKING FOUNTAINS	OTHER
	MALE	FEMALE	MALE	FEMALE		
OCCUPANTS: **265**	**2.683**	**3.263**	**1.705**	**1.705**	**1.349**	**1 SERVICE SINK**
FIXTURES PROVIDED TOTAL:	**4**	**4**	**2**	**2**	**2**	**1 SERVICE SINK**

LEGEND- CODE COMP PLANS

DISTANCE- COMMON PATH OF TRAVEL (Cx 19'-7")
DISTANCE- EGRESS PATH (Ex 19'-7")
DISTANCE- BETWEEN FIRE EXTINGUISHERS (Fx 19'-7")
PATH DISTANCE
PATH NUMBER
PATH
1-HR RATED PARTITION
EXIT CAPACITY (EGRESS)
ACTUAL OCCUPANTS (EGRESS)
FIRE RATING OF DOOR
DOOR NUMBER
EXIT SIGN: AT EXIT (ONE SIDED)
EXIT SIGN: EXIT DIRECTION (ONE SIDED)
EXIT SIGN: MULTIPLE EXIT DIRECTION (ONE SIDED)
EXIT SIGN: TWO FILLED QUADRANTS INDICATE TWO SIDED SIGN (HATCHED AREAS INDICATE DIRECTIONS SIGN IS VISIBLE FROM)
FIRE EXTINGUISHERS (FEC11, FEC12, FE01, FEC13)



OCCUPANCY TYPES

- (IBC2021) ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM
- (IBC2021) BUSINESS AREAS
- (IBC2021) BUSINESS CONCENTRATED
- (IBC2021) EDUCATIONAL- CLASSROOM AREA
- (IBC2021) EDUCATIONAL- SHOPS AND OTHER VOCATIONAL ROOM AREAS
- (IBC2021) KITCHENS- COMMERCIAL
- UNOCCUPIED

1 CODE COMPLIANCE PLAN- LEVEL 1
AC2.01 1/8" = 1'-0"

12/10/2025 5:24:15 PM Autodesk Docs://Coushatta Education Building/ARCH-Coushatta-.rvt

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COUSHATTA TRIBE OF LOUISIANA

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COUSHATTA TRIBE - EDUCATION BUILDING

1950 CC BEL RD
ELTON, LA 70532

Issue:	No:	Date:
BID SET		2025.12.05

LIFE SAFETY PLAN- LEVEL 1

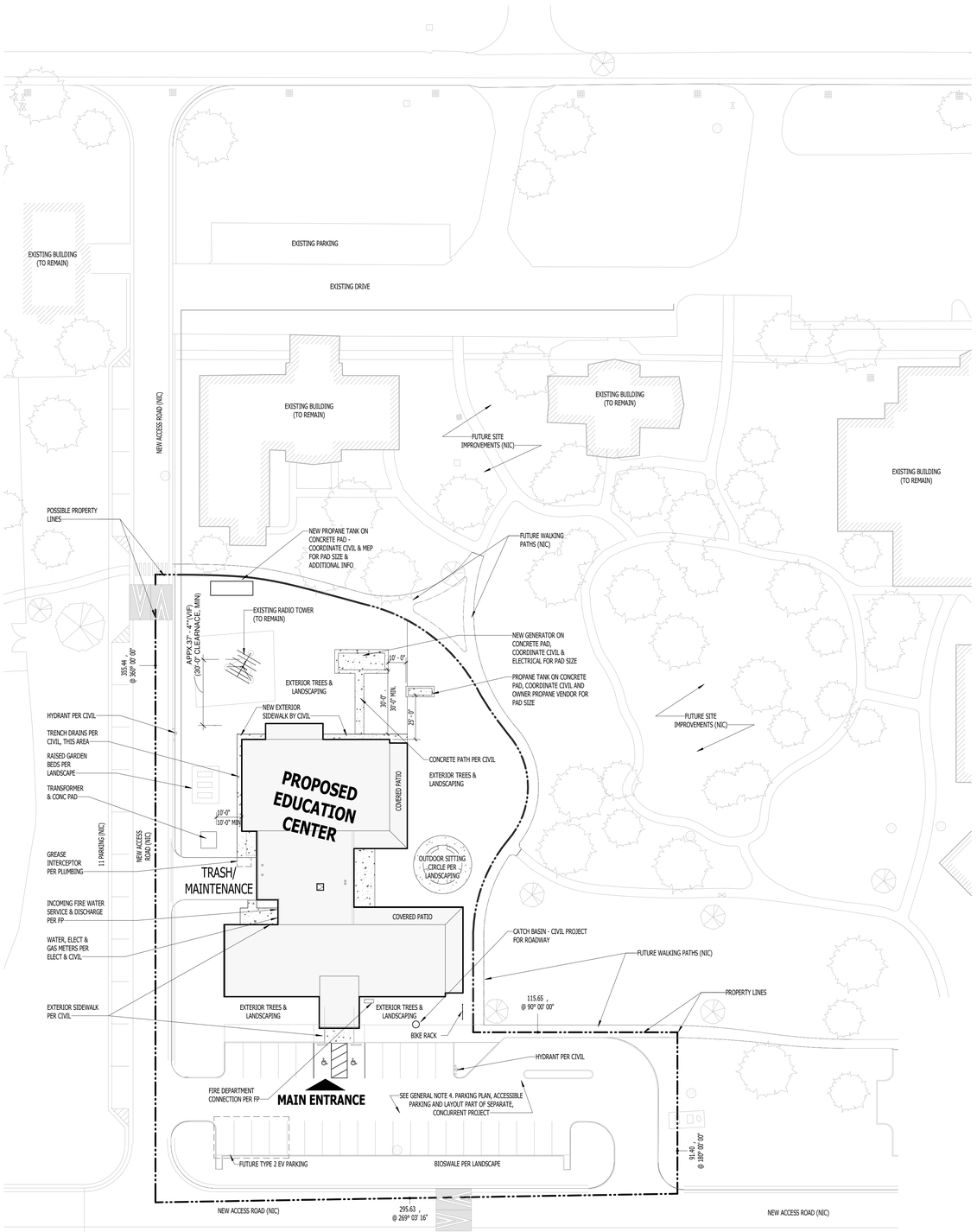
ROBERT J SULLIVAN
REG. NO. 10618
STATE OF LOUISIANA
REGISTERED ARCHITECT
12/09/2025

TRUE & PROJECT NORTH

Proj #: 24.0002607.000 Reviewed By:

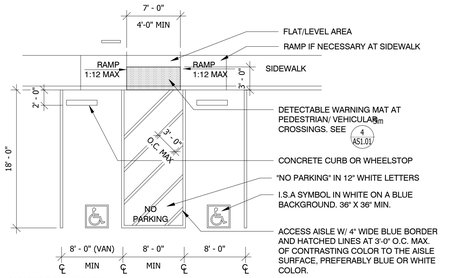
AC2.01

NOT RELEASED FOR CONSTRUCTION

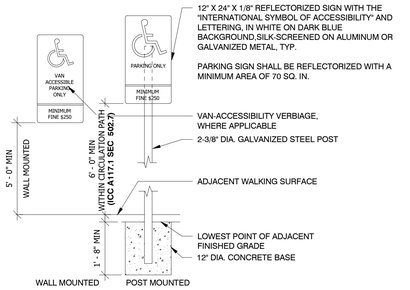


A1 ARCHITECTURAL SITE PLAN- OVERALL
AS1.01 1" = 30'-0"

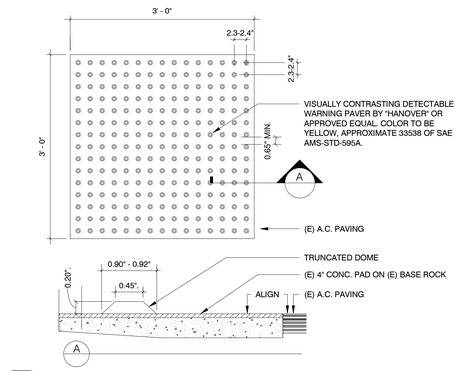
PARKING SPACES AND ACCESS AISLES SERVING SHALL BE AT THE SAME LEVEL AS THE PARKING SPACES THEY SERVE.
CHANGES IN LEVEL, SLOPES EXCEEDING 1:48, AND DETECTABLE WARNINGS SHALL NOT BE PERMITTED.



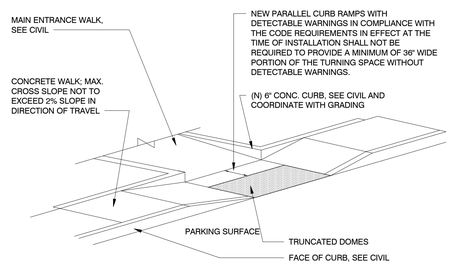
2 ACCESSIBLE PARKING STALL
AS1.01 1/8" = 1'-0"



3 ACCESSIBLE PARKING STALL SIGN
AS1.01 3/4" = 1'-0"

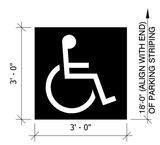


4 DETECTABLE WARNINGS
AS1.01 1" = 1'-0"



THE CROSS SLOPE OF CURB RAMP AND LANDING SHALL NOT EXCEED 1:48 SLOPE

5 CURB CUT RAMP
AS1.01 1/8" = 1'-0"



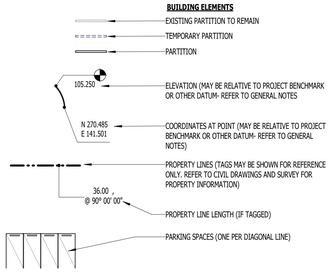
CONDITIONS AT PAVEMENT / SYMBOL PROPORTIONS

THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL CONSIST OF A WHITE FIGURE ON A BLUE BACKGROUND. THE COLOR BLUE SHALL APPROXIMATE FS 15090 IN FEDERAL STANDARD 595C.

6 INTERNATIONAL SYMBOL OF ACCESSIBILITY
AS1.01 1/2" = 1'-0"

LEGEND- SITE PLANS

BUILDING ELEMENTS



GENERAL NOTES- SITE PLANS

1. ARCH 100'-0" FFE ELEVATION = 46.20' CIVIL AND SURVEY - SEE CIVIL & SURVEY FOR ADDITIONAL INFORMATION. BFE 43.00.
2. ALL SUBDRAINAGE & AREA DRAINS PER CIVIL & GEOTECH.
3. REFER TO LIGHTING, ELECTRICAL & MECHANICAL FOR ADDITIONAL INFORMATION - NOTIFY ARCHITECT IN EVENT OF CONFLICTS.
4. THERE IS A CONCURRENT PROJECT BY COUSHATTA TRIBE WHICH ENTAILS ADJACENT ACCESS ROADWAY CONSTRUCTION, ASSOCIATED UTILITIES, AND PARKING PLAN & PROFILE WHICH SERVES THIS BUILDING.
   A. CONTACT CIVIL ENGINEER FOR PLANS AND CONSTRUCTION SCHEDULE:
      QK4
      MASON MEREDITH
      PHONE: 502-585-2222
      MMEREDITH@QKR.COM

      PROJECT REFERENCE: 24070.000

CURB RAMPS

1. CURB RAMPS SHALL BE CONSTRUCTED AT EACH CORNER OF STREET INTERSECTIONS AND WHERE A PEDESTRIAN WAY CROSSES A CURB. THE PREFERRED AND RECOMMENDED LOCATIONS FOR CURB RAMPS IS IN THE CENTER OF THE CROSSWALK OF EACH STREET CORNER. WHERE IT IS NECESSARY TO LOCATE A CURB RAMP IN THE CENTER OF THE CURB RETURN AND THE STREET SURFACES AND MARKED TO IDENTIFY PEDESTRIAN CROSSWALKS, THE LOWER END OF THE CURB RAMPS SHALL TERMINATE.
2. CURB RAMPS SHALL BE MINIMUM OF 4 FEET (1.22 M) IN WIDTH AND SHALL LIE, GENERALLY, IN A SINGLE SLOPED PLANE, WITH A MINIMUM OF SURFACE WARPING AND CROSS SLOPE.
3. THE SLOPE OF CURB RAMPS SHALL NOT EXCEED 1 VERTICAL TO 12 HORIZONTAL. THE SLOPE OF THE FANNED OR FLARED SIDES OF CURB RAMPS SHALL NOT EXCEED 1 VERTICAL TO 10 HORIZONTAL.
4. A LEVEL LANDING 4 FEET (1.22 M) DEEP SHALL BE PROVIDED AT THE UPPER END OF EACH CURB RAMP OVER ITS FULL WIDTH TO PERMIT SAFE EGRESS FROM THE RAMP SURFACE, OR THE SLOPE OF THE FANNED OR FLARED SIDES OF THE CURB RAMP SHALL NOT EXCEED ONE VERTICAL TO 12 HORIZONTAL.
5. THE LOWER END OF EACH CURB RAMP SHALL HAVE 1/2 INCH (12.7 M) LIP BEVELED AT 45 DEGREES.
6. CURB RAMPS SHALL HAVE A DETECTABLE WARNING THAT EXTENDS THE FULL WIDTH AND DEPTH OF THE CURB RAMP, EXCLUDING THE FLARED SIDES, INSIDE THE GROOVED BOARDER AND CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT. ONLY DSA APPROVED DETECTABLE WARNING PRODUCTS SHALL BE INSTALLED.

WALKS AND SIDEWALKS:

1. WALKS AND SIDEWALKS SHALL BE CONTINUOUS COMMON SURFACE, NOT INTERRUPTED BY STEPS OR BY ABRUPT CHANGES IN LEVEL EXCEEDING 1/2 INCH AND SHALL BE A MIN. OF 48 INCHES IN WIDTH. CHANGES IN LEVEL OF 1/4 INCH HIGH MAX. SHALL BE PERMITTED TO BE VERTICAL AND WITHOUT EDGE TREATMENT; CHANGES BETWEEN 1/4 AND 1/2 INCH HIGH MAX. SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1:2.
2. SURFACES WITH A SLOPE OF GREATER THAN 6 PERCENT GRADIENT SHALL BE AT LEAST AS SLIP-RESISTANT AS THAT DESCRIBED AS A MEDIUM SALTED FINISH.
3. SURFACES WITH A SLOPE OF LESS THAN 5 PERCENT GRADIENT OR GREATER SHALL BE SLIP-RESISTANT.
4. SURFACE CROSS SLOPES SHALL NOT EXCEED 1/4 INCH PER FOOT.
5. WALKS, SIDEWALKS AND PEDESTRIANS WAY SHALL BE FREE OF GRATINGS WHENEVER POSSIBLE. FOR GRATINGS LOCATED IN THE SURFACE OF ANY OF THESE AREAS, GRID OPENINGS IN GRATINGS SHALL BE LIMITED TO 1/2 INCH IN THE DIRECTION OF TRAFFIC FLOW.
6. WHEN THE SLOPE IN THE DIRECTION OF TRAVEL OF ANY WALK EXCEEDS 1 VERTICAL TO 20 HORIZONTAL IT SHALL COMPLY WITH THE PROVISIONS FOR PEDESTRIANS RAMPS.
7. ABRUPT CHANGES IN LEVEL ALONG ANY ACCESSIBLE ROUTE SHALL NOT EXCEED 1/2 INCH. WHEN CHANGES IN LEVEL DO OCCUR, THEY SHALL BE BEVELED WITH A SLOPE NO GREATER THEN 1:2 EXCEPT THAT LEVEL CHANGES NOT EXCEEDING 1/2 INCH NOT BE VERTICAL. WHEN CHANGES IN LEVELS GREATER THAN 1/2 INCH ARE NECESSARY THEY SHALL COMPLY WITH THE REQUIREMENTS FOR RAMPS.
8. WALKS SHALL BE PROVIDED WITH A LEVEL AREA NOT LESS THAN 60 INCHES BY 60 INCHES AT A DOOR OR GATE THAT SWINGS TOWARD THE WALK, AND NOT LESS THAN 48 INCHES WIDE BY 44 INCHES DEEP AT DOOR OR GATE THAT SWINGS AWAY FROM THE WALK. SUCH WALKS SHALL EXTEND 24 INCHES TO THE SIDE OF THE STRIKE EDGE OF A DOOR OR GATE THAT SWINGS TOWARD THE WALK.
9. ALL WALKS WITH CONTINUOUS GRADIENTS SHALL HAVE LEVEL AREAS AT LEAST 5 FEET IN LENGTH AT INTERVALS OF AT LEAST EVERY 400 FEET.

HAZARDS

1. WARNING CURBS: ABRUPT CHANGES IN LEVEL, EXCEPT BETWEEN A WALK OR SIDEWALK AND AN ADJACENT STREET OR DRIVEWAY, EXCEEDING 4 INCHES IN A VERTICAL DIMENSION, SUCH AS AT PLANTERS OR FOUNTAINS LOCATED IN OR ADJACENT TO WALKS, SIDEWALKS OR OTHER PEDESTRIAN WAYS, SHALL BE IDENTIFIED BY CURBS PROJECTING AT LEAST 6 INCHES IN HEIGHT ABOUT THE WALK OR SIDEWALK SURFACE TO WARN THE BLIND OF A POTENTIAL DROP OFF. WHEN A GUARDRAIL OR HANDRAIL IS PROVIDED NO CURB IS REQUIRED WHEN A GUIDERAIL IS PROVIDED CENTERED 3 INCHES (PLUS OR MINUS ONE INCH) ABOVE THE SURFACE OF THE WALK OR SIDEWALK; THE WALK IS 5 PERCENT OR LESS GRADIENT OR NO LESS GRADIENT OR NOT ADJACENT HAZARD EXISTS.
2. DETECTABLE WARNINGS AT HAZARDOUS VEHICULAR AREAS: IF A WALK CROSSES OR ADJOINS A VEHICULAR WAY, AND THE WALKING SURFACES ARE NOT SEPARATED BY CURBS, RAILINGS OR OTHER ELEMENTS BETWEEN THE PEDESTRIAN AREAS AND THE VEHICULAR AREAS, THE BOUNDARY BETWEEN THE AREAS SHALL BE DEFINED BY A CONTINUOUS DETECTABLE WARNING WHICH IS 36 INCHES WIDE, COMPLYING WITH **2017 ICC A117.1 SECTION 705**.
3. OVERHANGING OBSTRUCTIONS: ANY OBSTRUCTION THAT OVERHANGS A PEDESTRIAN'S WAY SHALL BE MINIMUM OF 80 INCHES ABOVE THE WALKING SURFACE AS MEASURED FROM THE BOTTOM OF THE OBSTRUCTION.

PARKING

1. ACCESSIBLE PARKING SPACES SHALL BE LOCATED AS NEAR AS PRACTICAL TO A PRIMARY ENTRANCE. IF ONLY ONE SPACE IS PROVIDED, IT SHALL BE 14 FEET WIDE AND STRIPED TO PROVIDE A 9 FOOT PARKING AREA AND A 5 FOOT LOADING AND UNLOADING AREA ON THE PASSENGER SIDE. WHEN MORE THAN ONE SPACE IS PROVIDED IN LIEU OF PROVIDING A 14 FOOT WIDE SPACE. TWO SPACES CAN BE PROVIDED WITHIN A 23 FOOT WIDE AREA LINED TO PROVIDE A 9 FOOT PARKING AREA ON EACH SIDE OF A 5 FOOT LOADING AND UNLOADING AREA IN THE CENTER. THE MINIMUM LENGTH OF EACH PARKING SPACE SHALL BE 18 FEET. VAN PARKING SPACES SHALL BE A MIN. 9' WIDE W/ MIN. 8' WIDE LOAD/UNLOADING AISLE. PAINT "NO PARKING IN "12" HIGH WHITE LETTERS IN THE LOADING/UNLOADING AISLE.
2. IN EACH PARKING AREA, A BUMPER OR CURB SHALL BE PROVIDED AND LOCATED TO PREVENT ENCROACHMENT OF CARS OVER REQUIRED WIDTH OF WALKWAYS. ALSO, THE SPACE SHALL BE SO LOCATED THAT A HANDICAPPED PERSON IS NOT COMPELLED TO WHEEL BEHIND PARKED CARS OTHER THAN THEIR OWN. PEDESTRIANS WAYS WHICH ARE ACCESSIBLE TO THE PHYSICALLY HANDICAPPED SHALL BE PROVIDED FROM EACH SUCH PARKING SPACE TO RELATED FACILITIES, INCLUDING CURB CUTS OR RAMPS AS NEEDED. RAMPS SHALL NOT ENCROACH INTO ANY PARKING SPACES.
3. SURFACE SLOPES OF PARKING SPACES FOR THE PHYSICALLY, HANDICAPPED SHALL NOT EXCEED 1/4 INCH PER FOOT IN ANY DIRECTION.
4. ENTRANCES TO AND VERTICAL CLEARANCES WITHIN PARKING STRUCTURES SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF 8 FEET 2 INCHES FOR VAN ACCESS AND 7 FEET 6 INCHES FOR STANDARD ACCESSIBLE PARKING. EACH PARKING SPACE RESERVED FOR THE HANDICAPPED SHALL BE IDENTIFIED BY A PERMANENTLY AFFIXED REFLECTORIZED SIGN CONSTRUCTED OF PORCELAIN ON STEEL, BEADED TEXT, OR EQUAL, DISPLAYING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY. THE SIGN SHALL NOT BE SMALLER THAN 70 SQUARE INCHES (45161.1 SQ. MM) IN AREA AND SHALL BE CENTERED ON THE SIGN TO THE PARKING SPACE FINISHED GRADE, OR CENTERED ON THE WALL AT THE INTERIOR END OF THE PARKING SPACE AT A MINIMUM HEIGHT OF 36 INCHES (914.4 MM) FROM THE PARKING SPACE FINISHED GRADE, GROUND, OR SIDEWALK. VAN STALLS IN ADDITION SHALL BE NOTED "VAN ACCESSIBLE" A SIGN SHALL ALSO BE POSTED IN A CONSPICUOUS PLACE, AT EACH ENTRANCE TO THE OFF-STREET PARKING FACILITY, NOT LESS THAN 17 INCHES (431.8 MM) BY 22 INCHES (55.8 MM) IN SIZE WITH LETTERING NOT LESS THAN ONE INCH (25.4 MM) IN HEIGHT, PER THE DETAIL ON THIS SHEET.
5. IN ADDITION TO THE ABOVE REQUIREMENTS, THE SURFACE OF EACH PARKING PLACE SHALL HAVE A SURFACE IDENTIFICATION DUPLICATING THE SYMBOL OF ACCESSIBILITY IN BLUE PAINT.

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COUSHATTA TRIBE OF LOUISIANA

COUSHATTA TRIBE - EDUCATION BUILDING

1950 CC BEL RD
ELTON, LA 70532

Issue:	No:	Date:
BID SET		2025.12.05

OVERALL SITE PLAN

ROBERT J SULLIVAN
REG. NO. 32008
STATE OF LOUISIANA
REGISTERED ARCHITECT
12/09/2025

TRUE & PROJECT NORTH

Proj #: 24.0002607.000 Reviewed By:

AS1.01

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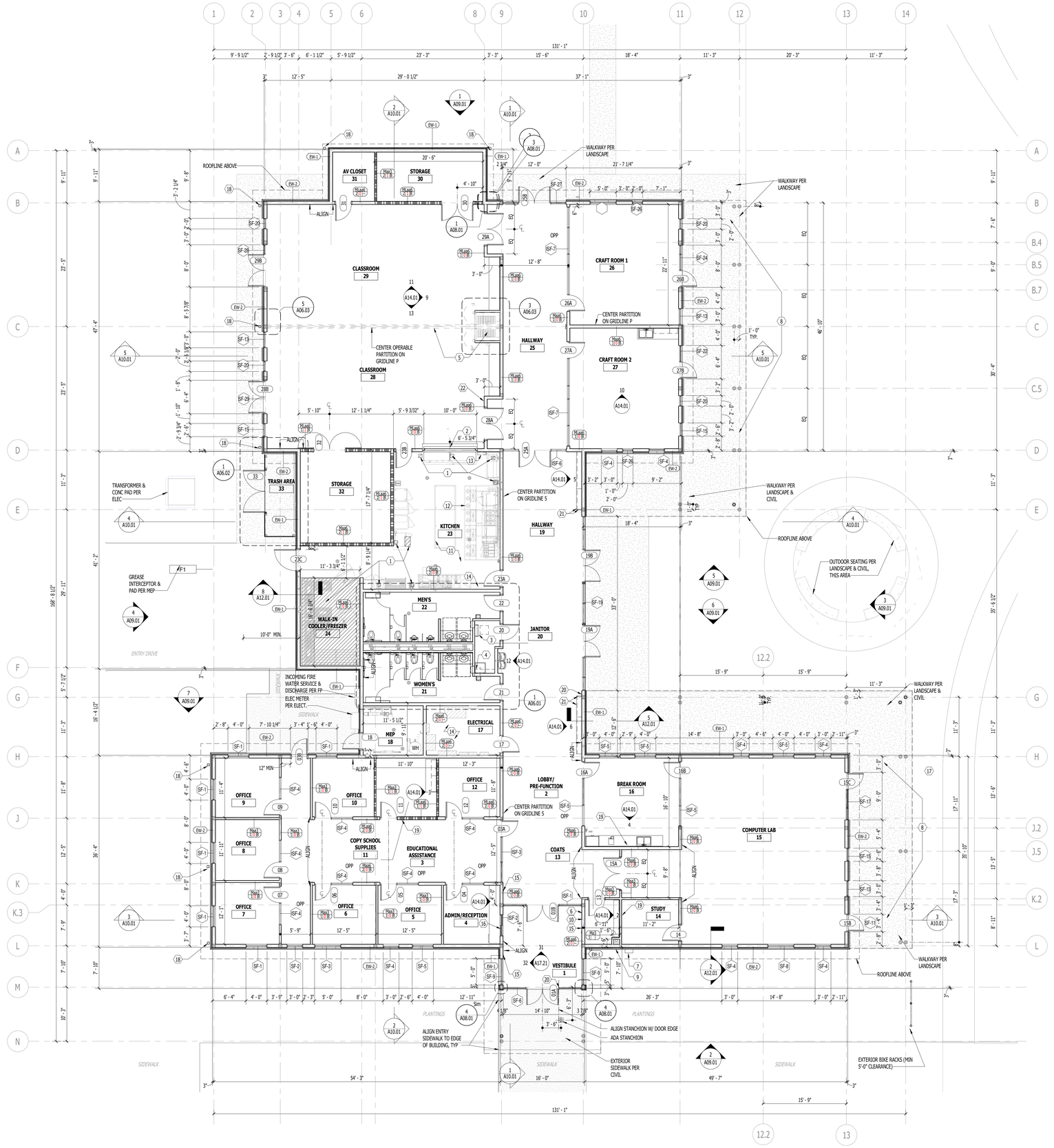
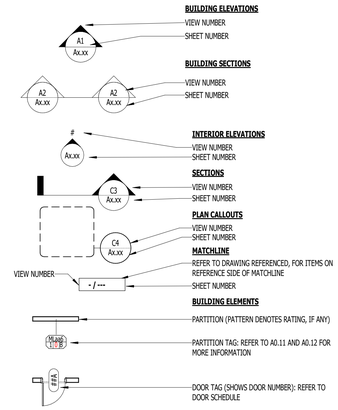
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT PRINTED ORIGINAL PAGE SIZE

THE SQUARES ABOVE ARE COLOR WITH BLACK AND WHITE LETTERS, IF PRINTED CORRECTLY



A1 / A02.01 FLOOR PLAN - OVERALL
1/8" = 1'-0"

LEGEND- FLOOR PLANS



GENERAL NOTES- FLOOR PLANS

A. INTERIOR PARTITION DIMENSIONS TO FACE OF STUD TYP OR TO CENTERLINE OF COLUMN/GRIDLINE, U.N.O. - SEE ASSEMBLIES SHEETS, PARTIAL AND/OR ENLARGED DETAILS & SECTIONS FOR ADDITIONAL DETAILS.

B. STOREFRONT SYSTEMS DIMENSIONED TO C.L. OF GLAZING, U.N.O.

C. ALL HINGED DOORS AND INTERIOR STOREFRONT ASSEMBLIES 6" FROM FF OF NEAREST WALL AND/OR PERPENDICULAR PARTITION TYP, U.N.O.

a. DIMENSIONS LOCATING DOORS ARE TO THE OUTSIDE EDGE OF JAMB. ALL DOORS SHALL HAVE 1'-6" CLEAR ON THE STRIKE/PULL SIDE OF DOOR AND 1'-0 CLEAR ON THE STRIKE/PUSH SIDE (IF THEY HAVE BOTH A LATCH AND A CLOSER/SEE DOOR SCHED); VERIFY AND ADVISE DESIGN PROFESSIONAL OF EXCEPTIONS PRIOR TO CLOSING OUT PARTITIONS.

b. THE CONTRUCTION PROFESSIONAL SHALL ESTABLISH A SINGLE FLOOR ELEVATION THAT IS TO BE USED TO SET THE TOP OF ALL DOORS SUCH THAT THE TOP OF ALL DOORS OF THE SAME HEIGHT WILL ALIGN REGARDLESS OF VARIATIONS IN THE FLOOR SLAB OR FINISHED FLOOR THICKNESS.

D. GRIDS TO C.L. OF INDICATED COLS AND/OR EXTERIOR FACE OF BUILDING SLAB AT EDGE OF BUILDING ENVELOPE - SEE STRUCTURAL (INCLUDING S/S200) & ENLARGED DETAILS FOR ADDITIONAL INFO.

E. REFER TO MECHANICAL, PLUMBING, ELECTRICAL AND LIGHTING FOR ADDITIONAL DETAILS. SEE CIVIL/LANDSCAPE FOR ANY SITE OR AREA DRAINS IMMEDIATELY OUTSIDE OF BUILDING ENVELOPE; NOTIFY ARCHITECT IN EVENT OF CONFLICTS.

F. INTERIOR WALLS SHOWN WITH BATT INSULATION ARE ACOUSTICAL WALLS - FILL VOID SPACE WITH ACOUSTICAL BATT, TYP.

(N) FLOOR PLAN NOTES BY NUMBER

1	FLOOR RECESS AT FLOOR SINKS AND FREEZER COOLER. COORDINATE W/ FOOD SERVICE PLANS/EQUIPMENT AND STRUCTURAL. SEE 3/P5105 FOR INSULATED SLAB DETAILS. PROVIDE AIR SPACE AROUND FREEZER PANEL WALLS PER FREEZER MANUFACTURER'S RECOMMENDATION.
2	PASS-THROUGH WINDOW WITH SOLID SURFACE COUNTER AND ROLLING COUNTER DOOR.
3	LADDER TO ROOF ACCESS HATCH. FIELD PAINTED. COLOR BY INTERIORS.
4	PROVIDE STAINLESS STEEL SHELF WITH MOP HOOKS ABOVE MOP SINK. FIELD VERIFY LENGHT. PROVIDE NECESSARY BLOCKING IN WALL TO SUPPORT SHELF.
5	FUTURE OPERABLE FOLDING PARTITION. PROVIDE STORAGE CLOSET PER MANUFACTURER'S INSTRUCTIONS. BASIS OF DESIGN MODERNFOLD. COORDINATE FOLDING PARTITION INSTALLATION WITH STRUCTURAL AND ELECTRICAL.
5	OPERABLE FOLDING PARTITION. PROVIDE STORAGE CLOSET PER MANUFACTURER'S INSTRUCTIONS. BASIS OF DESIGN MODERNFOLD. COORDINATE FOLDING PARTITION INSTALLATION WITH STRUCTURAL.
6	RECESSED ELECTRICE UNIT HEATER, SEE ELECTRICAL.
7	KNOX BOX, SEE EXTEIOR ELEVATIONS & DETAIL 2/A13.02.
8	CLEARSTORY WINDOWS (ABOVE) TO ALIGN WITH LEVEL 1, SEE EXTERIOR ELEVATIONS.
9	FIRE DEPARTMENT CONNECTION, SEE EXTERIOR ELEVATIONS & FIRE PROTECTION DRAWING FP201.
10	FIRE ALARM ANNUNCIATOR PANEL, SEE FIRE ALARM DRAWING FA201.
11	COORDINATE WITH FOOD SERVICE EQUIPMENT PLAN FOR ANY REQUIRED BLOCKING TO SUPPORT POT RACKS, WALL SHELVES, ETC.
12	COMMERCIAL HOOD (TYPE 1) ABOVE WITH ANSUL PANEL, SEE FOOD SERVICE PLANS.
13	COILING GRILLE MOTOR, COORDINATE PLACEMENT WITH ELECTRICAL.
14	ELECTRICAL PANEL; SEE ELECTRICAL TO CONFIRM LOCATION, CLEARANCES. PLYWOOD BACKBOARDS BY ELECTRICAL CONTRACTOR - GC TO COORDINATE.
15	ADA AUTOMATIC DOOR OPERATATOR ACTUATOR. INSTALL AT 48" A.F.F. TO TOP OF DEVICE. COORDINATE WITH POWER SUPPLY AND DOOR INSTALLATION.
16	SLIDING GLASS WINDOW W/ OPERABLE LOCKS - SEE A17.22 FOR DETAILS
17	AINT TO BE APPROVED BY ARCHITECT. SEE A12 SERIES & STRUCTURAL FOR CONNECTION DETAILS.
18	ALUMINUM GUTTER, TYP - SEE ROOF PLAN FOR DETAILS
19	COORDINATE WITH AV PLANS FOR ANY NECESSARY BLOCKING IN WALLS TO SUPPORT EQUIPMENT; BLOCKING BY GC.
20	COORDINATE INSTALLATION OF FIRE PULL STATIONS IN STOREFRONT SYSTEM WITH FIRE ALARM DRAWINGS.
21	FOOT REST/CANE DETECTION BELOW COUNTER LEDGE. ALIGN CANE DETECTION TO FACE OF COUNTER ABOVE. SEE INTERIOR ELEVATIONS
22	KEY SWITCH 2 (OF TWO) MIN 4'-0 FROM TRACK CL, THIS SIDE/VISUALLY MUST SEE OTHER KEY SWITCH KEY SWITCH 1 (OF TWO) MIN 4'-0 FROM TRACK CL, THIS SIDE/VISUALLY MUST SEE OTHER KEY SWITCH

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COUSHATTA TRIBE OF LOUISIANA

COUSHATTA TRIBE - EDUCATION BUILDING

1950 CC BEL RD
ELTON, LA 70532

Issue:	No:	Date:
BID SET		2025.12.05

FLOOR PLAN

ROBERT J SULLIVAN
REG. NO. 10599
STATE OF LOUISIANA
REGISTERED ARCHITECT
12/09/2025

TRUE & PROJECT NORTH

Proj #: 24.0002607.000 Reviewed By:

A02.01

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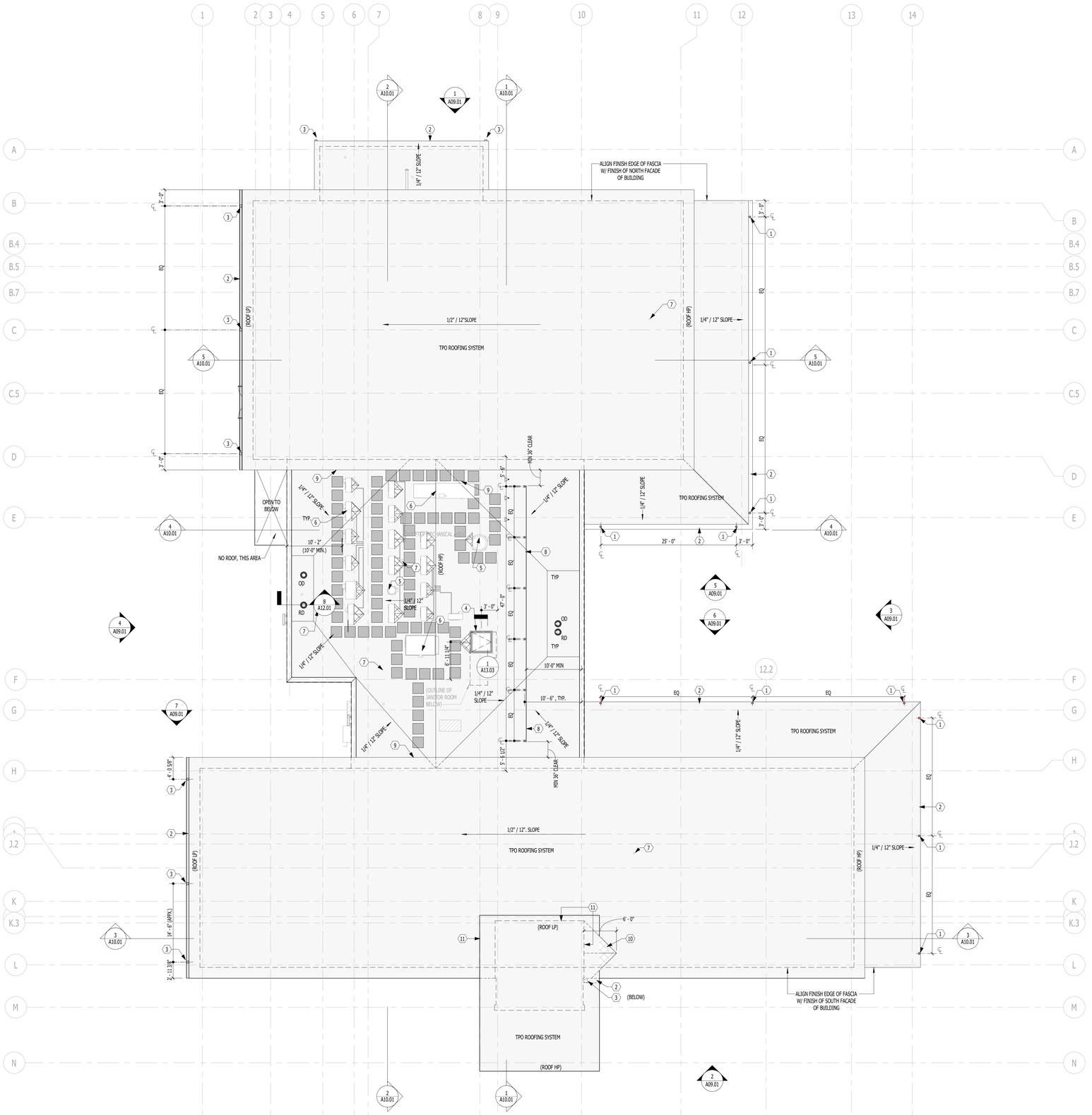
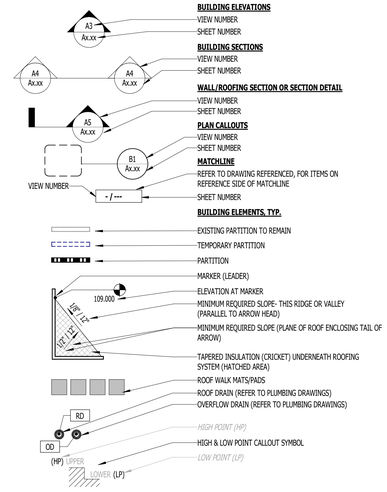


A1 / A02.R1 ROOF PLAN- OVERALL
1/8" = 1'-0"

LEGEND- ROOF PLANS



GENERAL NOTES- ROOF PLANS

A. ITEMS FROM MECHANICAL, PLUMBING, AND ELECTRICAL SCOPES MAY BE SHOWN FOR REFERENCE AND COORDINATION ONLY - REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR LOCATIONS OF PIPING, CURBS, VENTS, DUCTS, FANS, AND OTHER ITEMS ON THE ROOF SURFACE

B. ALL ROOF FLASHING TO BE IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS AND RECOMMENDATIONS

C. RAINFALL INTENSITY ASSUMED AT 8.3 IN/HR (NEW ORLEANS); 10 YR. MAXIMUM GUTTER LENGTH TO BE SERVED BY A DOWNSPOUT IS 50 FT PER SMACNA ASMM. GUTTER CROSS SECTION AREA NOT LESS THAN THAT OF A SEMICIRCULAR GUTTER AND DEPTH TO WIDTH RATIO OF AT LEAST 0.75. MINIMUM GUTTER WIDTH TO BE 4 INCHES AND MINIMUM GUTTER DEPTH TO BE 3 INCHES. MINIMUM DOWNSPOUT SIZE TO BE 3 INCHES.

D. THE FOLLOWING REFERENCES HAVE BEEN USED AS A BASIS FOR DESIGN OF THE ROOFING RELATED WORK OF THE PROJECT AND SHALL BE USED BY THE CONTRACTOR TO DETERMINE REQUIREMENTS FOR FABRICATION AON/OR INSTALLATION WHEN NOT SPECIFICALLY INDICATED IN THE CONTRACT DOCUMENTS:
   a. NATIONAL ROOFING CONTRACTORS ASSOCIATION (NRCA) "ROOFING AND WATER PROOFING MANUAL, FIFTH EDITION."
   b. SHEET METAL AND AIR CONDITIONING NATIONAL CONTRACTORS ASSOCIATION (SMACNA) - "ARCHITECTURAL SHEET METAL MANUAL, FIFTH EDITION."
   c. CURRENT STATE APPROVED BUILDING CODE, SEE COVER PAGE.
   d. INTERNATIONAL PLUMBING CODE, MOST CURRENTLY ADOPTED.
   e. NATIONAL ELECTRICAL CODE, MOST CURRENTLY ADOPTED.
   f. AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) - ASCE/SEI 7-16, "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES."
   g. MATERIAL MANUFACTURER'S MOST RECENT PRINTED SPECIFICATIONS AND INSTALLATION DETAILS.

E. PRIOR TO THE START OF WORK, THE CONTRACTOR SHALL PROVIDE AND INSTALL PROTECTION OVER, UNDER AND/OR AROUND ALL EXISTING SERVICE LINES, BUILDING COMPONENTS, SIDEWALKS, PAVEMENT AND LANDSCAPING WHICH COULD BE DAMAGED OR SOILED WHILE PERFORMING THE WORK OF THE CONTRACT.

F. DETAILS IN THE PROJECT DRAWINGS ARE SHOWN AT SPECIFIC LOCATIONS AND ARE INTENDED TO SHOW GENERAL REQUIREMENTS THROUGHOUT.
   a. DETAILS NOTED ARE "TYPICAL" AND IMPLY ALL SIMILAR CONDITIONS TREATED SIMILARLY, UNLESS OTHERWISE NOTED. MODIFICATIONS TO BE MADE BY THE CONTRACTOR TO ACCOMMODATE MINOR VARIATIONS WITHOUT ADDITIONAL COST TO THE OWNER.

G. IN NO CASE SHALL CONSTRUCTION RELATED WORK BE DONE OVER, OR CONSTRUCTION RELATED TRAFFIC BE ROUTED OVER FINISHED ROOF AREAS OR ROOF SECTIONS NOT INCLUDED IN THE WORK WITHOUT PROTECTION BEING PLACED OVER ROOF MEMBRANE. PROTECTION SHALL CONSIST OF THE FOLLOWING (BOTTOM TO TOP)
   a. 1-INCH EXPANDED POLYSTYRENE
   b. 10-MIL POLYETHYLENE.
   c. 1/2" PLYWOOD.
   d. WEIGH DOWN ALL PROTECTION MATERIALS TO PREVENT DISPLACEMENT BY WIND.

H. ROOF AREAS THAT HAVE NOT BEEN PROTECTED FROM CONSTRUCTION RELATED TRAFFIC AS SPECIFIED ABOVE SHALL BE REMOVED AND REPLACED AT NO ADDITIONAL EXPENSE TO THE OWNER.

I. PROVIDE CRICKETS AT THE UPSLOPE OF ALL ROOF CURBS AS REQUIRED FOR DRAINAGE.

J. OVERHANG DIM'S PER ENLARGED SECTIONS, TYP.

K. FIELD VERIFY ALL DIMENSIONS.

(N) ROOF PLAN NOTES BY NUMBER

1	RAIN CHAIN AT DOWN SPOUT; SEE LANDSCAPE 8/LS.501 FOR ADDITIONAL INFO.
2	ALUMINUM GUTTER, MATCH ADJACENT FASCIA COLOR. 5"W x 5"D GUTTER PROFILE.
3	ALUMINUM DOWNSPUT, MATCH ADJACENT GUTTER COLOR. 4"W x 4"D PROFILE.
4	36"x36" ROOF ACCESS HATCH - BOD BILCO MODEL "TYPE E"
5	EXHAUST FAN, SEE MECHANICAL AND DETAILS 8 & 10/M.800
6	MECHANICAL UNIT, SEE MECHANICAL
7	ROOF VENT PENETRATION, SEE DETAIL 5/A13.04
8	MECHANICAL SCREEN, REFER TO STRUCTURAL FOR FABRICATION OF SUPPORT POSTS, FLASH SUPPORT POSTS PER DETAIL 5/A13.04. SEE ARCH DETAILS 1&3/A13.05.
9	EXTERIOR OUTLET PER ELECTRICAL
10	CRICKET
11	SEE DETAIL 9/A13.01 FOR COUNTERFLASHING LOCATION AT TRANSITION OF TPO MEMBRANE TO METAL PANEL CLADDING. COUNTERFLASHING TO BE INSTALLED PARALLEL TO ROOF BELOW.

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COUSHATTA TRIBE OF LOUISIANA

COUSHATTA TRIBE - EDUCATION BUILDING

1950 CC BEL RD
ELTON, LA 70532

Issue:	No:	Date:
BID SET		2025.12.05

ROOF PLAN

ROBERT J SULLIVAN
REG. NO. 10599
STATE OF LOUISIANA
REGISTERED ARCHITECT
12/09/2025

TRUE & PROJECT NORTH

Proj #: 24.0002607.000 Reviewed By:

A02.R1

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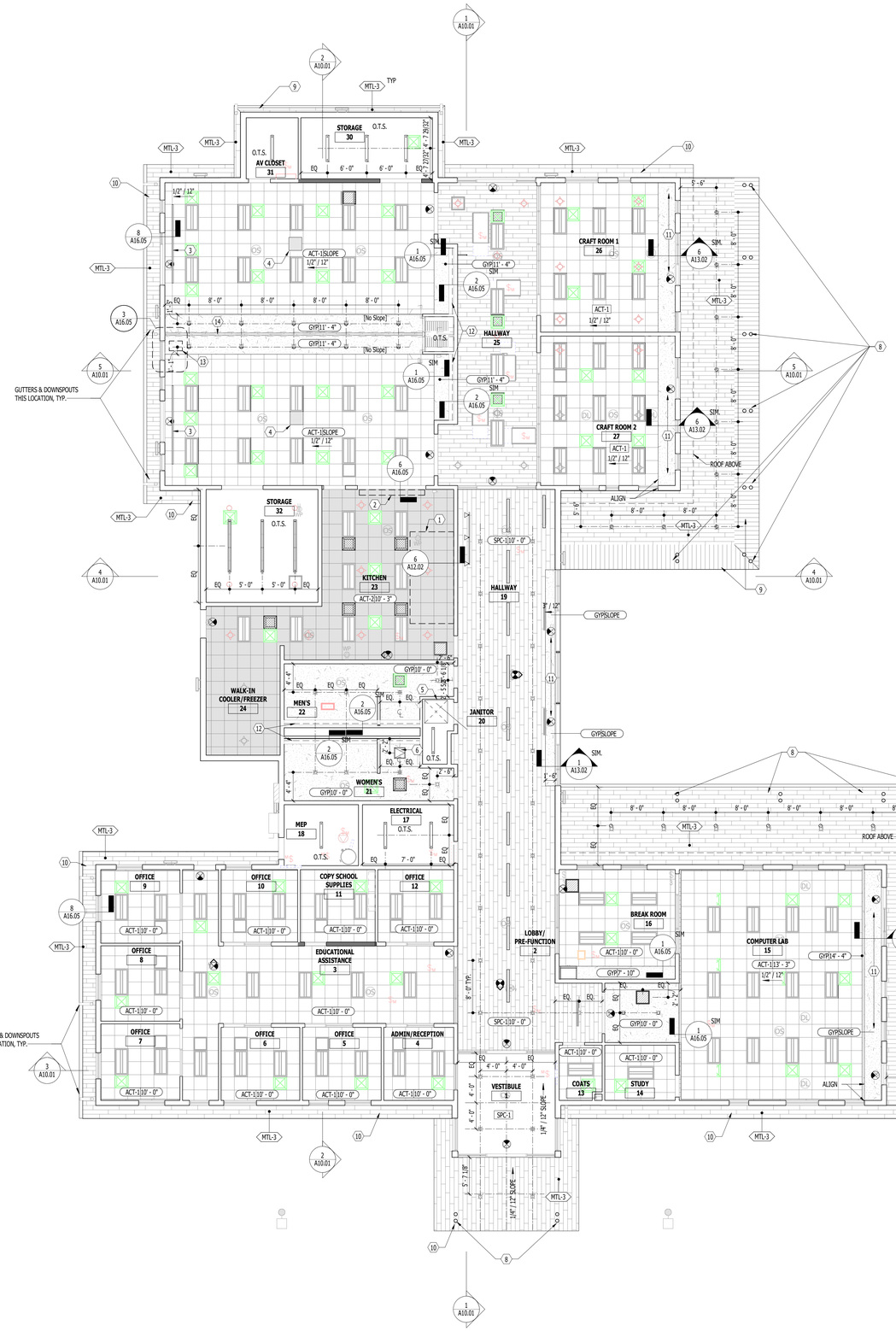
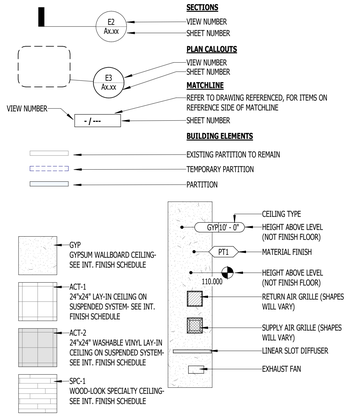
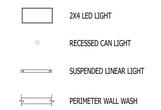


LEGEND- RCP'S



LIGHT FIXTURES:



NOTE: THIS DRAWING IS FOR GRAPHICAL FIXTURE LOCATION ONLY. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL LIGHTING INFORMATION

GENERAL NOTES - RCP

A. SEE TYPICAL CEILING DETAILS SHEET & A16.05 FOR ADDITIONAL INFORMATION & DETAILS.

B. COORDINATE FINAL LIGHTING WITH OWNER FURNISHED EQUIPMENT. FOR LIGHTING FIXTURE MOUNTING HEIGHTS, REFER TO THE LUMINAIRE SCHEDULE IN THE ELECTRICAL DRAWINGS.

C. SEAL EDGES OF CUT CEILING TILES.

D. ACT CEILING GRID TO BE CENTERED IN ROOM WITH EDGE TILES CUT SO THE MINIMUM DIMENSION IS 9" IN SHORT DIRECTION. UNLESS OTHERWISE NOTED.

E. FOR EXIT SIGNS, PROVIDE DIRECTIONAL ARROWS AS INDICATED ON FLOOR PLANS. SHADED SECTION DENOTES SIDE(S) WITH FACE. COORDINATE HEIGHT WITH ADJACENT ASSEMBLIES IN FIELD TO ENSURE VISIBILITY AND BEST MOUNTING APPLICATION PRIOR TO ORDERING. PROVIDE CONSISTENT HEIGHT WITHI SAME SPACES. NOT TO EXCEED 12'-0" AFF.

F. COORDINATE FINAL SIZE AND FINAL LOCATION OF ALL ACCESS PANELS WITH TRADE REQUIRING SAME.

G. COORDINATE CEILING SUSPENSION SYSTEMS WITH OTHER CEILING SPACE EQUIPMENT SUPPORTING DEVICES.

H. VERIFY EXACT LOCATIONS OF SOFFIT AND CEILING CONTROL JOINTS WITH THE ARCHITECT'S REPRESENTATIVE IN THE FIELD.

I. COORDINATE THE LOCATION OF ESCUTCHEON PLATES AT CEILING PENETRATIONS WITH ELECTRICAL, MECHANICAL, AND FIRE PROTECTION TRADES.

RCP NOTES BY NUMBER

N	
1	COMMERCIAL HOOD (TYPE I) ABOVE WITH ANSUL PANEL. SEE FOOR SERVICE PLANS. PROVIDE NECESSARY CLEARANCES & FINISHES PER MANUFACTURER REQUIREMENTS IBC.
2	ROLLING COUNTER DOOR AT PASS-THROUGH WINDOW. BASIS OF DESIGN: ALPINE WOODEN COUNTER SHUTTER, ELECTRIC. WOOD AND STAIN TO MATCH WOOD DOORS.
3	PROJECTION SCREEN RECESSED INTO ACT CEILING SYSTEM. PROVIDE TRIM KIT SUITABLE FOR DROP CEILING. MOUNTING BRACKETS BY SCREEN MANUFACTURER. COORDINATE WITH ELECTRICAL FOR POWER & AV FOR PRODUCT.
4	PROJECTOR SUSPENDED FROM CEILING. COORDINATE WITHELECTRICAL FOR POWER & AV FOR PRODUCT.
5	ROOF ACCESS HATCH ABOVE.
6	CEILING ACCESS PANEL, 12"x12". SEE MECHANICAL.
8	COLUMNS (TYP) - SEE STRUCTURAL AND ELEVATIONS. SEE PLAN FOR FAUX SECONDARY ARCHITECTURAL COLUMNS.
9	EXTERIOR CANOPY SOFFIT, MT-3 (TYP)
10	EXTERIOR ROOF OVERHANG AT HIGH ROOF, SOFFIT FOLLOWS ROOF SLOPE
11	RECESSED BULKHEAD THIS AREA
12	PERIMETER WALL WASH
13	18"x24" ACCESS PANEL AT ELECTRIC RUN (APPX 5' FROM WALL)
14	GC TO COORDINATE FRAMING AND STRUCTURAL REQUIREMENTS W/ ARCHITECT AND MANUFACTURER PRIOR TO INSTALLATION.

EXTERIOR - MATERIAL FINISHES - RCP

TAG	PRODUCT COLOR	MANUFACTURER	MODEL	PRODUCT SIZE	INSTALLATION	ADDITIONAL NOTES
CEILING - METAL PANEL						
MTL-3	WOODGRAIN FINISH	PAC-CLAD	SOFFIT FLUSH SERIES	1" DEEP, 7" O.C. (24 GA)		

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COUSHATTA TRIBE - EDUCATION BUILDING

1950 CC BEL RD
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Issue:	No:	Date:
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REFLECTED CEILING PLAN - OVERALL

ROBERT J SULLIVAN
REG. NO. 10099
STATE OF LOUISIANA
REGISTERED ARCHITECT
12/09/2025

A1 / A03.01 REFLECTED CEILING PLAN - OVERALL
1/8" = 1'-0"

TRUE & PROJECT NORTH

Proj #: 24.0002607.000 Reviewed By:

A03.01

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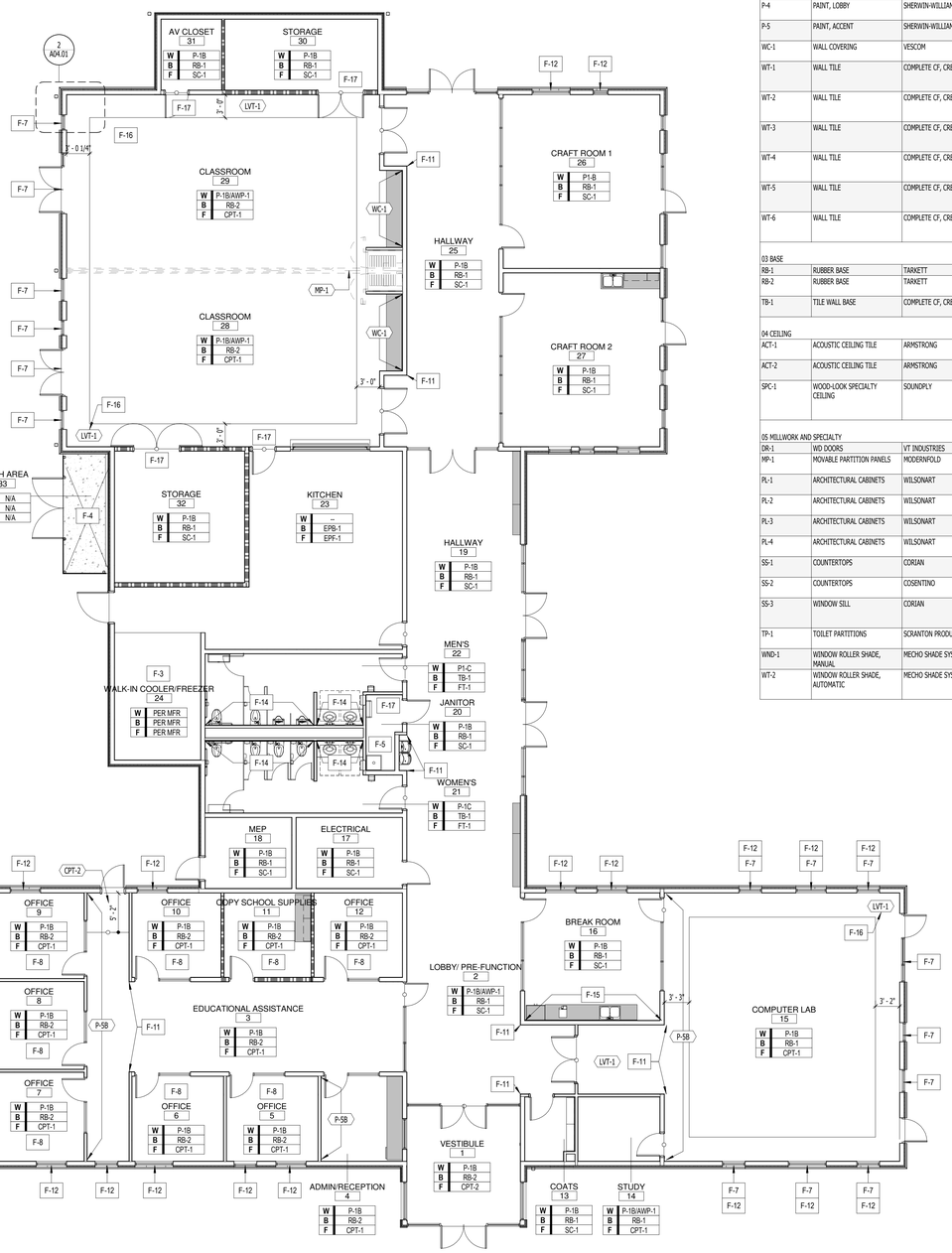
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT PRINTED ORIGINAL PAGE SIZE

THE SQUARES ABOVE ARE SOLID WITH BLACK AND WHITE LETTERS, IF PRINTED CORRECTLY

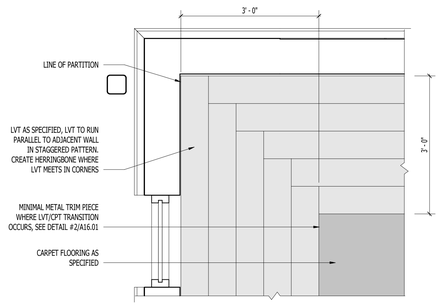
PAINT SHEET KEY:
A - FLAT
B - EGGSHELL
C - SEMI-GLOSS
D - GLOSS
E - EPOXY
F - SCRUBBABLE / SPECIALTY
G - DRY FOG

INTERIOR FINISH MATERIAL SCHEDULE

CODE	DESCRIPTION	MANUFACTURER, BASIS OF DESIGN	STYLE	COLOR	SIZE	LOCATION	COMMENTS	CONTACT
01 FLOORING								
CPT-1	CARPET TILE	MANNINGTON	PARALLAX	TEMPORAL #8604	12" X 36"	CLASSROOMS, OFFICES, SEE FINISH PLAN	INSTALL VERTICAL ASHLAR; ASTM6648 CLASS 1, ASTM6662 PASSES	SCOTT PRESSMAN, 770-265-6735, SCOTT.PRESSMAN@MANNINGTON.COM
CPT-2	CARPET TILE, WALK OFF	MANNINGTON	RUFFIAN II	TAN TETONS #8404	24" X 24"	1 VESTIBULE, 3 EDUCATIONAL ASSISTANCE, SEE FINISH PLAN	INSTALL MONOLITHIC	SCOTT PRESSMAN, 770-265-6735, SCOTT.PRESSMAN@MANNINGTON.COM
EPF-1	EPOXY FLOOR SYSTEM	TNEMEC	URETHANE CEMENT/PRIMER; SERIES N241, BROADCAST COAT: SERIES 224 DECO-FLAKE, GROUT/SEAL COAT: SERIES 284 DECO-CLEAR, FINISH: SERIES 248 EVERTHANE	STRATASHIELD DECO-FLECK, CREEKBED DECORATIVE FLAKE	--	23 KITCHEN, SEE FINISH PLAN	INCLUDE INTEGRAL COVE WALL BASE 6"H; APPLY URETHANE CEMENT/PRIMER 90-100 SQUARE FEET PER KIT, BROADCAST SAND TO REJECTION TO ACHIEVE 1/8"; APPLY BROADCAST COAT 80 SQUARE FEET PER GALLON, BROADCAST FLAKE TO REJECTION TO ACHIEVE 1/16"; APPLY GROUT/SEAL COAT 100-115 SQUARE FEET PER GALLON; APPLY FINISH 500-700 FEET PER GALLON.	KYLE KROMBERG, 678-654-5800. KKROMBERG@TNEMEC.COM
FT-1	FLOOR TILE	COMPLETE CF, CREATIVE MATERIALS	WOODLOT	NATURAL, MATTE FINISH	12" X 48"	21 WOMEN'S RESTROOM, 22 MEN'S RESTROOM, SEE FINISH PLAN	LEAD TIME: 8-10 WEEKS	KELLY BOWEN, 404-433-6997, KELLY@COMPLETECF.COM
LVT-1	LUXURY VINYL TILE	MANNINGTON	SPACIA WOOD	MULLED OAK #SSSW3313	6" X 36"	15 COMPUTER LAB, 28/29 CLASSROOMS, SEE FINISH PLAN	INSTALL STAGGERED, PARALLEL TO ADJACENT WALL	SCOTT PRESSMAN, 770-265-6735, SCOTT.PRESSMAN@MANNINGTON.COM
SC-1	SEALED CONCRETE	SHERWIN-WILLIAMS	PER SPECIFICATIONS	AS SELECTED BY DESIGN PROFESSIONAL FROM MFR STANDARDS	--	SEE FINISH PLAN		KATRINA PARTEE, 404-323-2263, KATRINA.D.PARTEE@SHERWIN.COM
02 WALL								
AWP-1	ACOUSTIC WALL PANEL	CONWED	WALL PANEL, FABRIC, IR	CARNEGIE, XOREL, STRIE #6423-820	7/8" THICK CORE, SEE INTERIOR ELEVATIONS FOR PANEL LENGTH AND WIDTH	CLASSROOMS, SEE FINISH PLAN AND INTERIOR ELEVATIONS	2-CLIP/2-BAR MOUNTING, SQUARE EDGE PROFILE, RESIN HARDENED EDGE TREATMENT; ASTM84 CLASS A	
CG-1	CORNER GUARD MILLWORK	INPRO CORP	ALUMINUM CORNER GUARD	BLACK	1-1/2" WING, 9-0" H	SEE FINISH PLAN	CONTRACTER TO VERIFY WITH MFR TO FACTORY CUT AT 9'-0"H	
EPW-1	EPOXY WALL SYSTEM	TNEMEC	TBD	TO BE SELECTED BY DESIGNER FROM MFR STANDARDS	--	23 KITCHEN, SEE FINISH PLAN		KYLE KROMBERG, 678-654-5800. KKROMBERG@TNEMEC.COM
FRP-1	FIBER-GLASS REINFORCED PLASTIC WALL SYSTEM	MARLITE	STANDARD FRP, PEBBLED SURFACE	P100 WHITE	48" X 108" SHEET		CLASS A, PROVIDE WITH PVC TRIM FINISHING, BATTAN, AND CORNER GUARDS AS REQUIRED	
P-1	WALL PAINT, GENERAL	SHERWIN-WILLIAMS	--	SW 9165 GOSSAMER VEIL	--	WALLS THROUGHOUT, U.N.O.	--	KATRINA PARTEE, 404-323-2263, KATRINA.D.PARTEE@SHERWIN.COM
P-2	PAINT, GWB CEILINGS	SHERWIN-WILLIAMS	--	SW 7007 CEILING BRIGHT WHITE	--	GWB CEILINGS THROUGHOUT, U.N.O.	--	KATRINA PARTEE, 404-323-2263, KATRINA.D.PARTEE@SHERWIN.COM
P-3	PAINT, H.M. DOORS/FRAMES	SHERWIN-WILLIAMS	--	SW 7046 ANONYMOUS	--	H.M. DOORS/FRAMES THROUGHOUT	--	KATRINA PARTEE, 404-323-2263, KATRINA.D.PARTEE@SHERWIN.COM
P-4	PAINT, LOBBY	SHERWIN-WILLIAMS	--	SW 7005 PURE WHITE	--	2 LOBBY/PRE-FUNCTION, SEE FINISH PLANS	--	KATRINA PARTEE, 404-323-2263, KATRINA.D.PARTEE@SHERWIN.COM
P-5	PAINT, ACCENT	SHERWIN-WILLIAMS	--	SW 6766 MARINER	--	SEE FINISH PLAN	--	KATRINA PARTEE, 404-323-2263, KATRINA.D.PARTEE@SHERWIN.COM
WC-1	WALL COVERING	VESCOM	ZAGREB	#1085.21	54" W	CLASSROOMS, SEE FINISH PLAN AND INTERIOR ELEVATIONS	ASTM84 CLASS A	
WT-1	WALL TILE	COMPLETE CF, CREATIVE MATERIALS	INTENT	WHITE, MATTE FINISH	2.5" X 9"	16 CAFE, 21 WOMEN'S RESTROOM, 22 MEN'S RESTROOM, SEE FINISH PLAN AND ELEVATIONS	INSTALL PER ELEVATIONS	KELLY BOWEN, 404-433-6997
WT-2	WALL TILE	COMPLETE CF, CREATIVE MATERIALS	INTENT	TAN, MATTE FINISH	2.5" X 9"	16 CAFE, 21 WOMEN'S RESTROOM, 22 MEN'S RESTROOM, SEE FINISH PLAN AND ELEVATIONS	INSTALL PER ELEVATIONS	KELLY BOWEN, 404-433-6997
WT-3	WALL TILE	COMPLETE CF, CREATIVE MATERIALS	INTENT	BLACK, MATTE FINISH	2.5" X 9"	16 CAFE, 21 WOMEN'S RESTROOM, 22 MEN'S RESTROOM, SEE FINISH PLAN AND ELEVATIONS	INSTALL PER ELEVATIONS	KELLY BOWEN, 404-433-6997
WT-4	WALL TILE	COMPLETE CF, CREATIVE MATERIALS	INTENT	RED, MATTE FINISH	2.5" X 9"	16 CAFE, 21 WOMEN'S RESTROOM, 22 MEN'S RESTROOM, SEE FINISH PLAN AND ELEVATIONS	INSTALL PER ELEVATIONS	KELLY BOWEN, 404-433-6997
WT-5	WALL TILE	COMPLETE CF, CREATIVE MATERIALS	INTENT	ORANGE, MATTE FINISH	2.5" X 9"	16 CAFE, 21 WOMEN'S RESTROOM, 22 MEN'S RESTROOM, SEE FINISH PLAN AND ELEVATIONS	INSTALL PER ELEVATIONS	KELLY BOWEN, 404-433-6997
WT-6	WALL TILE	COMPLETE CF, CREATIVE MATERIALS	INTENT	MARIGOLD, MATTE FINISH	2.5" X 9"	16 CAFE, 21 WOMEN'S RESTROOM, 22 MEN'S RESTROOM, SEE FINISH PLAN AND ELEVATIONS	INSTALL PER ELEVATIONS	KELLY BOWEN, 404-433-6997
03 BASE								
RB-1	RUBBER BASE	TARKETT	BASEWORKS, 4" COVE PROFILE	MOON ROCK #29		SEE FINISH PLAN		
RB-2	RUBBER BASE	TARKETT	BASEWORKS, 4" STRAIGHT PROFILE	MOON ROCK #29		SEE FINISH PLAN		
TB-1	TILE WALL BASE	COMPLETE CF, CREATIVE MATERIALS	WOODLOT	NATURAL, MATTE FINISH	3" X 24" BULLNOSE	21 WOMEN'S RESTROOM, 22 MEN'S RESTROOM, SEE FINISH PLAN	LEAD TIME: 8-10 WEEKS	KELLY BOWEN, 404-433-6997
04 CEILING								
ACT-1	ACOUSTIC CEILING TILE	ARMSTRONG	OPTIMA, LAY-IN, TEGULAR	WHITE	24" X 24"	SEE REFELCTED CEILING PLAN	GRID: 15/16" PRELUDE XL IN WHITE; NFPA CLASS A; ALL CUT CEILING TILES TO BE NO LESS THAN 4 INCHES	
ACT-2	ACOUSTIC CEILING TILE	ARMSTRONG	OPTIMA HEALTH ZONE, LAY-IN, TEGULAR	WHITE	24" X 24"	SEE REFELCTED CEILING PLAN	GRID: 15/16" PRELUDE XL IN WHITE; NFPA CLASS A; ALL CUT CEILING TILES TO BE NO LESS THAN 4 INCHES	
SPC-1	WOOD-LOOK SPECIALTY CEILING	SOUNDPLY	LINO ACOUSTIC PLANKS, RF PANEL SERIES, 1" THICK	WHITE OAK VENEER TO MATCH DR-1, CONTROL SAMPLE: KOROSEAL WOOD WALL COVERING OAK WHITE AA5621	6" W X 1" THICK	2 LOBBY/PRE-FUNCTION, SEE REFELCTED CEILING PLAN	LONG LEAD TIME ITEM; GC TO PROVIDE HEAVY DUTY 2 X 2' GRID FOR DIRECT MOUNT TO GRID	
05 MILLWORK AND SPECIALTY								
DR-1	WD DOORS	VT INDUSTRIES		WHITE OAK, CLEAR CL18		SEE DOOR SCHEDULE		
MP-1	MOVABLE PARTITION PANELS	MODERNFOLD	LEGACY PAIRED PANEL	PANELS TO BE CARNEGIE XOREL STRIE #6423-820	44'-1"W X 11'-4H VIF	28/29 CLASSROOMS	PANEL FABRIC TO MATCH ACOUSTIC WALL PANELS	SCOTT GOZA, SGOZA@RAVENSBERG.COM
PL-1	ARCHITECTURAL CABINETS	WILSONART	HIGH PRESSURE LAMINATE, TRACELESS	TRACELESS BLACK VELVET #15505, ULTRA MATTE FINISH	SEE INTERIOR ELEVATIONS	SEE INTERIOR ELEVATIONS	--	HOLLY LEE, 404-218-3176, HOLLY.LEE@WILSONART.COM
PL-2	ARCHITECTURAL CABINETS	WILSONART	HIGH PRESSURE LAMINATE	SAP WALNUT	SEE INTERIOR ELEVATIONS	SEE INTERIOR ELEVATIONS	--	HOLLY LEE, 404-218-3176, HOLLY.LEE@WILSONART.COM
PL-3	ARCHITECTURAL CABINETS	WILSONART	HIGH PRESSURE LAMINATE	DRAGON VELVET #13088-60	SEE INTERIOR ELEVATIONS	SEE INTERIOR ELEVATIONS	--	HOLLY LEE, 404-218-3176, HOLLY.LEE@WILSONART.COM
PL-4	ARCHITECTURAL CABINETS	WILSONART	HIGH PRESSURE LAMINATE	PERSIMMON #10853-60	SEE INTERIOR ELEVATIONS	SEE INTERIOR ELEVATIONS	LEAD TIME: 8-10 WEEKS	HOLLY LEE, 404-218-3176, HOLLY.LEE@WILSONART.COM
SS-1	COUNTERTOPS	CORIAN	QUARTZ	COARSE PEPPER, POLISHED FINISH	3CM THICK, SEE INTERIOR ELEVATIONS	COUNTERTOPS THROUGHOUT, U.N.O., SEE INTERIOR ELEVATIONS	--	IDA SISIC, 404-502-8354, IDA.SISIC@DUPONT.COM
SS-2	COUNTERTOPS	COSENTINO	SILESTONE	ARCILLA RED, SUEDE FINISH	3CM THICK, SEE INTERIOR ELEVATIONS	21 WOMEN'S RESTROOM, 22 MEN'S RESTROOM	LONG LEAD TIME ITEM	
SS-3	WINDOW SILL	CORIAN	SOLID SURFACE	SILT	2CM THICK, SEE WINDOW DETAILS	AT WINDOW SILLS WHICH ARE 12" AFF+	SOLID SURFACE TO SIT FLUSH, PROVIDE SEALANT TO MATCH SOLID SURFACE AND WINDOW MULLION, CLEAN INSTALL EXPECTED	
TP-1	TOILET PARTITIONS	SCRANTON PRODUCTS	HINY HIDERS	NICKEL IN ORANGE PEEL TEXTURE	SEE PLAN	21 WOMEN'S RESTROOM, 22 MEN'S RESTROOM		
WND-1	WINDOW ROLLER SHADE, MANUAL	MECHO SHADE SYSTEMS	MECHO/5	ECOVEIL IN SILVER BIRCH, 3% OPEN	PER WINDOW WIDTH AND MFR RECOMMENDATION	EXTERIOR WINDOWS, U.N.O.	FIRE CLASS NFPA 701	
WT-2	WINDOW ROLLER SHADE, AUTOMATIC	MECHO SHADE SYSTEMS	URBANSHADE, DUAL ROLLER SHADE	ECOVEIL 1550 IN SILVER BIRCH, 3% OPEN AND MICANTE BLACKOUT IN 0210 SILVER	PER WINDOW WIDTH AND MFR RECOMMENDATION	SEE FINISH PLAN AND FINISH PLAN KEYNOTE #F-7	FIRE CLASS NFPA 701	



1 A04.01 FINISH PLAN - OVERALL - OVERALL
1/8" = 1'-0"



2 A04.01 LVT JOIN DETAIL
3/4" = 1'-0"

FINISH PLAN GENERAL NOTES

1	ALL INTERIOR FINISH SPECIFICATIONS ARE INCLUDED HEREIN OR IN THE ATTACHED SPECIFICATIONS IF APPLICABLE. DISCREPANCIES, OMISSIONS AND DISCONTINUED OR DELAYED MATERIALS ARE TO BE REPORTED TO THE DESIGN PROFESSIONAL IMMEDIATELY FOR RESOLOLUTION PRIOR TO PROCEEDING. THE DESIGN PROFESSIONAL IS NOT RESPONSIBLE FOR DISCREPANCIES OR OMISSIONS THAT ARISE DUE TO CHANGES BY ANOTHER PARTY AFTER INITIAL DRAWING ISSUANCE DATE UNLESS RECORDED AS A REVISION BY NELSON.
2	SUBSTITUTIONS OF FINISH MATERIALS MUST BE SUBMITTED IN WRITTEN FORM AND ACTUAL SAMPLES PROVIDED FOR REVIEW BY THE DESIGN PROFESSIONAL AND USER GROUP. CONSTRUCTION PROFESSIONAL MUST RECEIVE APPROVAL SIGNATURE BEFORE PROCEEDING. REVIEW OF SUBSTITUTIONS DUE TO A CHANGE IN THE ORIGINAL SCHEDULE OR BUDGET MAY BE CONSIDERED ADDITIONAL SERVICES.
3	INSTALL ALL FINISH MATERIALS ACCORDING TO MANUFACTURER'S INSTRUCTIONS. REMEDIATION OF MOISTURE IN THE CONCRETE, AS IT RELATES TO THE FLOORING MATERIAL AND ITS INSTALLATION MUST BE STRICTLY ADHERED TO IN ORDER TO AVOID RISK OF VOIDING WARRANTEE
4	ONLY ONE DYE-LOT OF EACH STYLE AND COLOR SPECIFIED IN THE FINISH SCHEDULE SHALL BE USED.
5	REMOVE FINISH MATERIALS FROM PACKING AND ALLOW TO ACCLIMATIZE TO AREA OF INSTALLATION ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
6	ALL SURFACES WHICH ARE TO RECEIVE A FINISH APPLICATION SHALL BE COMPLETELY SMOOTH FOR SCHEDULE FINISH MATERIAL. REPAIR EXISTING CONDITIONS AS REQUIRED.
7	ALL MISCELLANEOUS GRILLES, PLATES, ETC. OCCURING ON WALLS OR CEILINGS ARE TO BE FINISHED TO MATCH WALL OR CEILING ON WHICH THEY OCCUR. CONSULT DESIGN PROFESSIONAL ON FINAL FINISH.
8	ALL PAINTED SURFACES ARE TO RECEIVE ONE PRIME COAT AND A MINIMUM OF TWO FINISH COATS. APPLY ADDITIONAL COATS OF PRIME AND FINISH PAINT AS REQUIRED UNTIL EXISTING UNDERCOAT OR OTHER CONDITIONS ARE FULLY CONCEALED AND PAINT FILM IS OF A UNIFORM FINISH, COLOR AND APPEARANCE. REFER TO SECTION 099123 - INTERIOR PAINTING FOR FURTHER CLARIFICATION.
9	COVER PLATES ON DEVICES TO BE WHITE WITH WHITE RECEPTACLES.
10	INSTALL CARPET TILE USING PRESSURE SENSITIVE ADHESIVE; PATTERN OF TILE TO BE ASHLAR, U.N.O.
11	FLOORING TRANSITIONS WILL OCCUR UNDER CENTERLINE OF DOOR IN CLOSED POSITION,, U.N.O.
12	WHERE FLOORING MATERIALS OF DIFFERING THICKNESSES MEET, LEVEL AS REQUIRED TO MEET ADA GUIDELINES AND SMOOTH AS REQUIRED.
13	INSTALL CERAMIC, PORCELAIN, AND STONE TILES WITH MANUFACTURER'S MINIMUM RECOMMENDED GROUT WIDTH, U.N.O.; GROUT TO BE SEALED.
14	INSTALL REDUCER STRIPS WHERE CARPET/ RESILIENT FLOORING/ CERAMIC TILE MEET SEALED CONCRETE.
15	FIRE EXTINGUISHER CABINETS TO BE PAINTED TO MATCH ADJACENT WALL, TYP.; REFER TO SPECIFICATIONS.
16	BASE CABINET PLASTIC LAMINATE TOE KICKS TO MATCH CORRESPONDING BASE CABINET PLASTIC LAMINATE SPECIFICATION, U.N.O.
17	ALL AREAS TO RECEIVE CARPET, RUBBER BASE, EGGSHELL WALL PAINT AND SEMI-GLOSS DOOR FRAME, U.N.O.
18	ALL WET WALLS TO RECEIVE CERAMIC TILES TO HAVE CEMENT BACKER BOARD.
19	SUBMIT SAMPLES OF ALL FINISH MATERIALS TO THE DESIGN PROFESSIONAL FOR APPROVAL PRIOR TO ORDERING MATERIALS AND COMMENCING WORK. SUBMIT ACTUAL COLOR AND FINISH OF PAINT ON 8-1/2" X 11" SAMPLES. WALLCOVERING SAMPLES MUST BE CUT FROM ACTUAL ROLL TO BE USED FOR INSTALLATION. SAMPLES OF NATURAL STONE OR OTHER MATERIAL WITH WIDE VARIATIONS SHALL COME FROM ACTUAL MATERIAL TO BE USED.
20	PREPARE SURFACES FOR ACCEPTING OF FINISHES PER MANUFACTURER'S RECOMMENDATIONS.
21	WHEN BASE IS CONTINUOUS OR TRANSITIONED ON AN OUTSIDE CORNER WHERE FLOOR MATERIALS OF DIFFERENT THICKNESSES OCCUR, SET BASE ON TOP OF LOWER FLOORING MATERIAL AND TRIM THE BOTTOM OF BASE AT THE HIGHER FLOORING SUCH THAT IT IS BOTH TIGHT TO THE FLOORING AND ALIGNS WITH THE BASE AT THE LOWER FLOORING AT THE TOP EDGE. NOTE: WOOD BASE TO BE INSTALLED AFTER FLOORING IS INSTALLED.
22	PROVIDE BLOCKING IN AREAS DESIGNED TO RECEIVE OVERHEAD CABINETS.
23	PROVIDE BLOCKING IN AREAS DESIGNATED TO RECEIVE TV/ DISPLAY SCREENS AND MARKERBOARDS.
24	IF DESIGN PROFESSIONAL'S WRITTEN DESCRIPTION OF COLOR NAME, NUMBER AND MANUFACTURER'S INFORMATION ARE IN CONFLICT, CONTACT DESIGN PROFESSIONAL FOR CLARIFICATION BEFORE ORDERING MATERIALS.
25	PROVIDE STONE THRESHOLD FROM RESTROOM PORCELAIN TILE TO OTHER PORCELAIN TILE AREAS, TYP.
26	FOR ALL ACCENT WALLS NOTED THROUGHOUT, WALL TO RECEIVE SAME BASE AS INDICATED FOR GENERAL FINISH OF ROOM, TYP.
27	ALL GYP BD CEILINGS/ SOFFITS TO BE PAINTED P-2A, U.N.O.
28	FOR AREAS RECEIVING CARPET, PRIOR TO FLOORING INSTALLATIONS, MOISTURE CONDITIONS MUST BE DETERMINED IN ONE OF TWO MANNERS: 1) IN-SITU RH TEST METHOD (ASTM F2170). MOISTURE CONDITIONS MUST NOT EXCEED 85% RH. 2) CALCIUM CHLORIDE TEST METHOD (ASTM F1869). EMISSION RATES MUST NOT EXCEED 5.0 LBS/ 1000 SF/ 24 HOURS. NOTE: SHOULD TEST RESULTS EXCEED MANUFACTURER REQUIREMENTS, MANUFACTURER RECOMMENDS A SEALER. REFER TO MANUFACTURER'S RECOMMENDATION AS TO HOW TO REMEDIATE MOISTURE IN CONCRETE. NOTE: CONSTRUCTION PROFESSIONAL TO DOCUMENT AND MAINTAIN RECORDS. REFER TO MANUFACTURER'S DOCUMENTS TO DETERMINE APPROPRIATE METHOD TO ENSURE WARRANTY. REFER TO SECTION 096813 TILE CARPETING FOR FURTHER CLARIFICATION.
29	PROVIDE TREATMENT AT ALL EXTERIOR OPENINGS, U.N.O.
30	ALL CASEWORK TO RECEIVE TOPS FABRICATED IN SOLID SURFACE, U.N.O. REFER TO INTERIOR ELEVATIONS FOR CLARIFICATION.
31	PROVIDE BLOCKING IN AREAS DESIGNATED TO RECEIVE OVERHEADS IN ALL OFFICES. TYPICAL CONDITION TO OCCUR AT WALL PARALLEL TO RETURN; REFER TO FINISH NOTE F-3 IN PLAN.

FINISH PLAN KEY NOTES

F-1	REFER TO INTERIOR ELEVATIONS FOR EXTENT OF FINISHES.
F-2	PROVIDE FLOOR FINISH TRANSITIONS AS INDICATED ON FINISH PLAN AND INTERIOR DETAILS.
F-3	FINISHES AT WALK-IN FREEZER TO BE SELECTED BY DESIGN PROFESSIONAL FROM MANUFACTURER'S STANDARDS. SEE ARCHITECTURE AND KITCHEN DRAWINGS AND SPECIFICATIONS FOR MORE INFORMATION.
F-4	TRASH AREA IS EXTERIOR, OPEN-AIR AND WILL NOT RECEIVE INTERIOR FINISHES. SEE EXTERIOR DRAWINGS FOR MORE INFORMATION.
F-5	AT JANITOR CLOSET(S), FRP-1 TO BE INSTALLED AT PLUMBING FIXTURE(S). WHERE PLUMBING FIXTURE OCCURS IN A CORNER, EXTEND FRP TO BOTH WALLS A MINIMUM 1 FULL PANEL.
F-6	PROVIDE WINDOW TREATMENT, WND-1, AT ALL EXTERIOR WINDOWS EXCEPT AT #1 VESTIBULE AND WHERE WND-2 IS INDICATED. SEE INTERIOR DETAILS AND SPECIFICATIONS FOR MORE INFORMATION.
F-7	PROVIDE WINDOW TREATMENT, WND-2, WHERE INDICATED ON FINISH PLAN. COORDINATE WITH ELECTRICAL AND AV FOR POWER AND CONTROL REQUIREMENTS. SEE INTERIOR DETAILS AND SPECIFICATIONS FOR MORE INFORMATION.
F-8	PROVIDE COAT HOOK AT BACK OF EACH OFFICE DOOR. MOUNT AT 66" AFF. COAT HOOK TO BE ALNO, MODEL NO. ALN-54081, SATIN NICKEL FINISH, BASIS OF DESIGN. COORDINATE W/ WINDOW IN DOOR.
F-9	PROVIDE BLOCKING IN WALLS AT ALL OFFICES WITH OVERHEADS AS NOTED ON PLAN; REFER TO FFE PLANS FOR RETURN LOCATION FOR CLARIFICATION.
F-10	ALL INTERIOR DOOR/FRAMES TO RECEIVE P-3C ADJACENT TO P-1 WALLS, U.N.O.
F-11	PROVIDE CORNER GUARD, CG-1, AT EXPOSED GWB CORNERS AS INDICATED ON FINISH PLAN.
F-12	PROVIDE AND INSTALL WINDOW SILL, SS-3, WHERE SILL IS ABOVE 6" AFF AS INDICATED ON FINISH PLAN. SEE DRAWINGS FOR WINDOW SILL HEIGHTS.
F-13	OUTSIDE CORNERS TO COUNTERTOPS TO BE EASED AND MITERED. SEE SPECIFICATIONS FOR FULL LIST OF CABINET HARDWARE AND ASSOCIATED REQUIREMENTS
F-14	PROVIDE AND INSTALL WALL TILE (WT-1, WT-2, WT-3, WT-4, WT-5, & WT-6) AT RESTROOM WET WALLS AS INDICATED ON FINISH PLAN. REFER TO INTERIOR ELEVATIONS FOR INSTALLATION PATTERN.
F-15	PROVIDE AND INSTALL WALL TILE (WT-1, WT-2, & WT-3) AT WALL ABOVE COUNTER IN 16 BREAK ROOM AS INDICATED ON FINISH PLAN. REFER TO INTERIOR ELEVATIONS FOR INSTALLATION PATTERN.
F-16	WHERE LVT BORDER OCCURS IN 15 COMPUTER LAB, 28 CLASSROOM, AND 29 CLASSROOM, LVT TO MEET AT CORNERS IN HERRINGBONE PATTERN AS DETAILED IN #2/A04.01.
F-17	WHERE INDICATED ON FINISH PLAN, PAINT H.M. DOOR AND FRAME, P-1C, TO MATCH ADJACENT WALL.

FINISH PLAN LEGEND

W	WALL FINISH
B	BASE FINISH
F	FLOOR FINISH
	ACCENT WALL FINISH
	FLOOR FINISH TRANSITION
	FLOOR PATTERN DIRECTION
F-##	FINISH KEY NOTE TAG

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FINISH PLAN - OVERALL

ROBERT J SULLIVAN REG. NO. 10084 STATE OF LOUISIANA REGISTERED ARCHITECT
12/09/2025

Proj #: 24.0002607.000 Reviewed By:

A04.01

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12/10/2025 5:25:00 PM Autodesk Docs://Coushatta Education Building/ARCH-Coushatta-.rvt

TOILET ACCESSORY SCHEDULE - BOD

TAG	DESCRIPTION	MANUFACTURER	MODEL	COMMENTS
A	GRAB BAR- HORIZONTAL- 42"	BOBRICK	B-5806	SATIN FINISH
B	GRAB BAR- HORIZONTAL- 36"	BOBRICK	B-5806	SATIN FINISH
C	TOILET PAPER DISPENSER	BOBRICK	B-540	SATIN FINISH
D	GRAB BAR- VERTICAL- 18"	BOBRICK	B-5806	SATIN FINISH
F	18" X 36" MIRROR	BOBRICK	B-165 1836	SATIN FINISH
G	SURFACE-MOUNTED PAPER TOWEL DISPENSER ROLL PAPER TOWEL DISPENSER	BOBRICK	B-72974	DARK TRANSLUCENT PLASTIC
H	SURFACE-MOUNTED SANITARY NAPKIN DISPOSAL	BOBRICK	B-270	SATIN FINISH
J	BABY CHANGING STATION	BRADLEY	962	SATIN FINISH

NOTE: SEE PLUMBING DRAWINGS FOR FIXTURE SCHEDULE.

GENERAL NOTES- FLOOR PLANS

A. INTERIOR PARTITION DIMENSIONS TO FACE OF STUD TYP OR TO CENTERLINE OF COLUMN/GRIDLINE, U.N.O. - SEE ASSEMBLIES SHEETS, PARTIAL AND/OR ENLARGED DETAILS & SECTIONS FOR ADDITIONAL DETAILS.

B. STOREFRONT SYSTEMS DIMENSIONED TO C.L. OF GLAZING, U.N.O.

C. ALL HINGED DOORS AND INTERIOR STOREFRONT ASSEMBLIES 6" FROM FF OF NEAREST WALL AND/OR PERPENDICULAR PARTITION TYP, U.N.O.

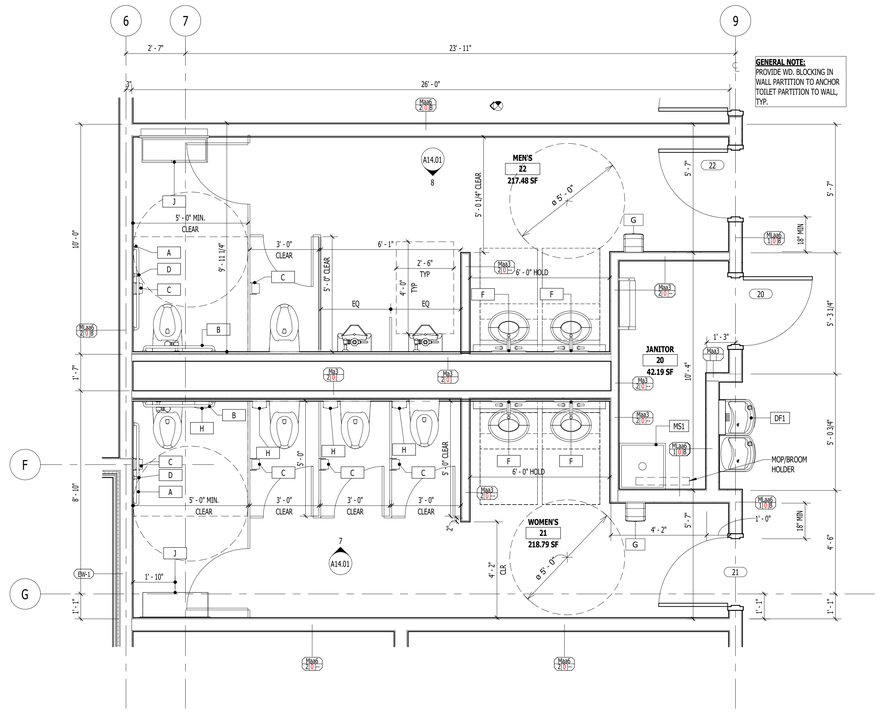
a. DIMENSIONS LOCATING DOORS ARE TO THE OUTSIDE EDGE OF JAMB. ALL DOORS SHALL HAVE 1'-6" CLEAR ON THE STRIKE/PULL SIDE OF DOOR AND 1'-0 CLEAR ON THE STRIKE/PUSH SIDE (IF THEY HAVE BOTH A LATCH AND A CLOSER/SEE DOOR SCHED); VERIFY AND ADVISE DESIGN PROFESSIONAL OF EXCEPTIONS PRIOR TO CLOSING OUT PARTITIONS.

b. THE CONTRUCTION PROFESSIONAL SHALL ESTABLISH A SINGLE FLOOR ELEVATION THAT IS TO BE USED TO SET THE TOP OF ALL DOORS SUCH THAT THE TOP OF ALL DOORS OF THE SAME HEIGHT WILL ALIGN REGARDLESS OF VARIATIONS IN THE FLOOR SLAB OR FINISHED FLOOR THICKNESS.

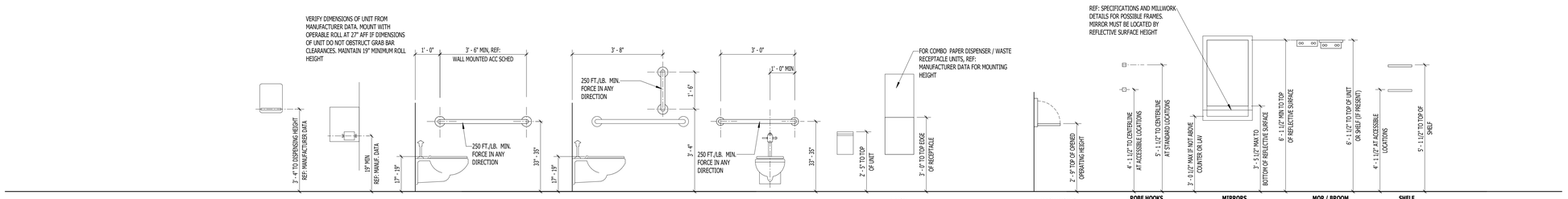
D. GRIDS TO C.L. OF INDICATED COL'S AND/OR EXTERIOR FACE OF BUILDING SLAB AT EDGE OF BUILDING ENVELOPE - SEE STRUCTURAL (INCLUDING S/S200) & ENLARGED DETAILS FOR ADDITIONAL INFO.

E. REFER TO MECHANICAL, PLUMBING, ELECTRICAL AND LIGHTING FOR ADDITIONAL DETAILS. SEE CIVIL/LANDSCAPE FOR ANY SITE OR AREA DRAINS IMMEDIATELY OUTSIDE OF BUILDING ENVELOPE; NOTIFY ARCHITECT IN EVENT OF CONFLICTS.

F. INTERIOR WALLS SHOWN WITH BATT INSULATION ARE ACOUSTICAL WALLS - FILL VOID SPACE WITH ACOUSTICAL BATT, TYP.



1 A06.01 ENLARGED RESTROOM PLAN
3/8" = 1'-0"



2 A06.01 MOUNTING HEIGHTS
1/2" = 1'-0"

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ENLARGED RESTROOM PLANS

ROBERT J SULLIVAN
REG. NO. 19586
STATE OF LOUISIANA
REGISTERED ARCHITECT
12/09/2025

Proj #: 24.0002607.000 Reviewed By:

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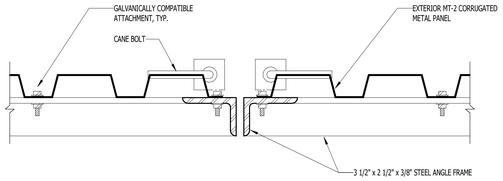
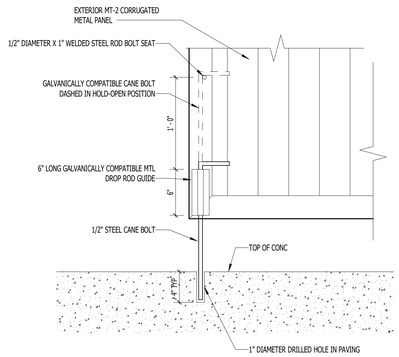
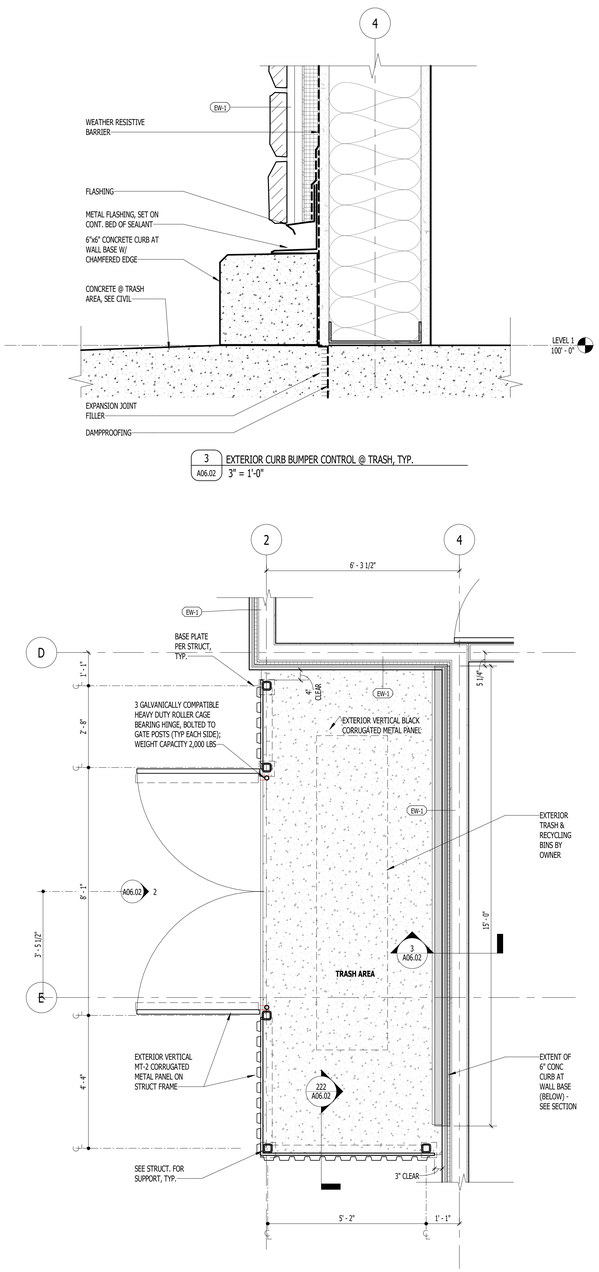


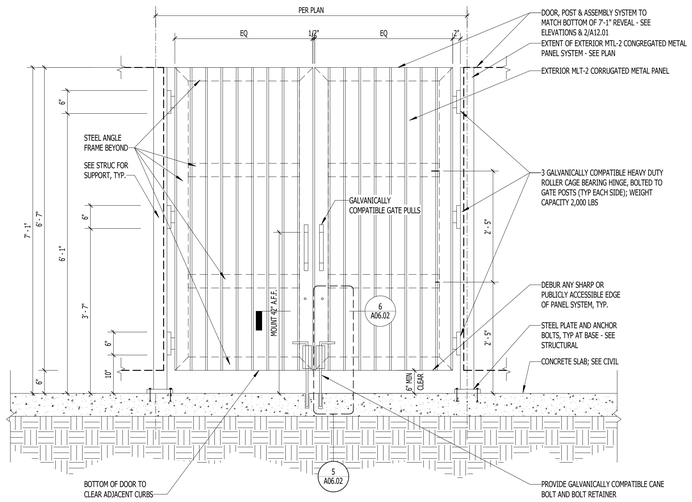
6 A06.02 ENCLOSURE GATE - ENLARTED PLAN DETAIL
3" = 1'-0"



5 A06.02 TRASH ENCLOSURE - CANE BOLT DETAIL
1 1/2" = 1'-0"



3 A06.02 EXTERIOR CURB BUMPER CONTROL @ TRASH, TYP.
3" = 1'-0"



2 A06.02 TRASH ENCLOSURE - GATE ELEVATION
3/4" = 1'-0"

1 A06.02 TRASH 33 - ENLARGED PLAN
1/2" = 1'-0"

GENERAL NOTES- FLOOR PLANS

1. INTERIOR PARTITION DIMENSIONS TO FACE OF METAL STUD TYP, U.N.O. - SEE ASSEMBLIES SHEETS, PARTIAL AND/OR ENLARGED DETAILS & SECTIONS FOR ADDITIONAL DETAILS.
2. GRIDS TO C.L. OF INDICATED COL'S AND/OR EXTERIOR FACE OF BUILDING SLAB AT EDGE OF BUILDING ENVELOPE - SEE STRUCTURAL & ENLARGED DETAILS FOR ADDITIONAL INFO.
3. REFER TO MECHANICAL, PLUMBING, ELECTRICAL AND LIGHTING FOR ADDITIONAL DETAILS. SEE CIVIL/LANDSCAPE FOR ANY SITE OR AREA DRAINS IMMEDIATELY OUTSIDE OF BUILDING ENVELOPE; NOTIFY ARCHITECT IN EVENT OF CONFLICTS.
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OPEN AIR TRASH AREA - ENLARGED PLAN, ELEVATIONS & DETAILS

ROBERT J SULLIVAN
REG. NO. 10699
STATE OF LOUISIANA
REGISTERED ARCHITECT
12/09/2025

Proj #: 24.0002607.000 Reviewed By:

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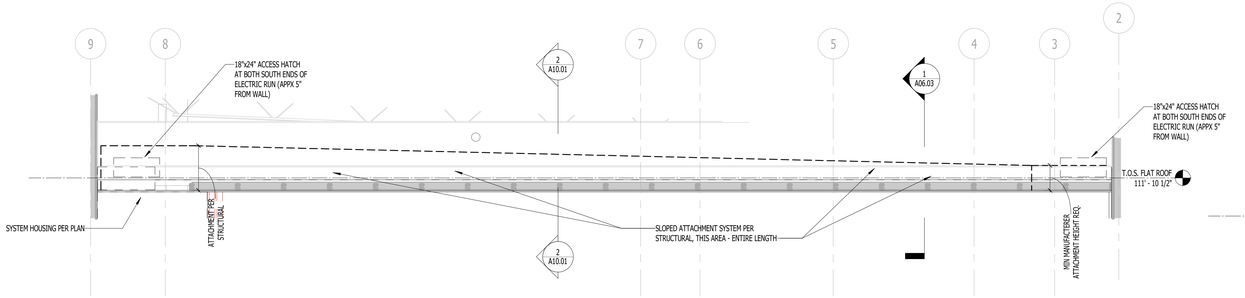
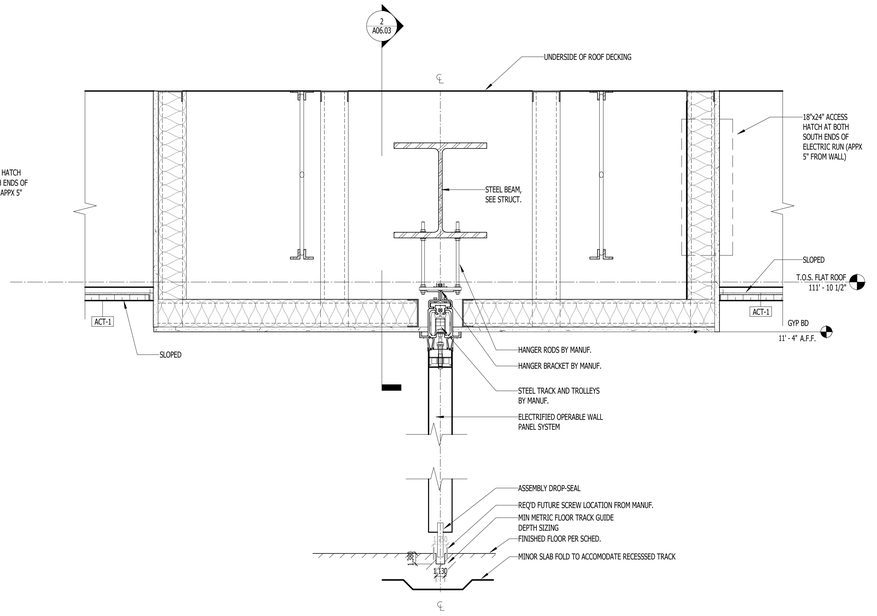
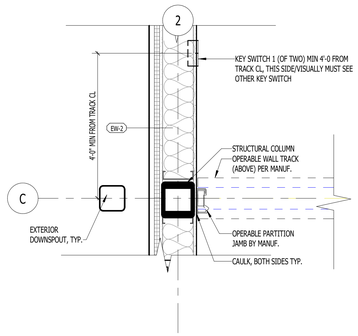


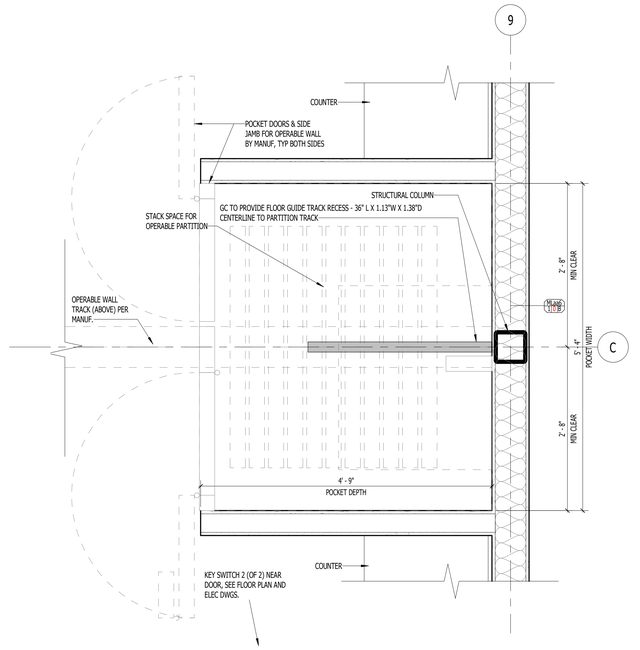
2 OVERALL SECTION @ ELECTRIFIED OPERABLE WALL PANEL SYSTEM
3/8" = 1'-0"



1 N/S SECTION DETAIL - SOFFIT @ OPERABLE WALL
1 1/2" = 1'-0"



5 OPERABLE WALL ENCLOSURE1
1" = 1'-0"



3 OPERABLE WALL ENCLOSURE
1" = 1'-0"

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ELECTRIFIED OPERABLE WALL PARITION SYSTEM - ENLARGED

ROBERT J SULLIVAN
REG. NO. 10699
STATE OF LOUISIANA
REGISTERED ARCHITECT
12/09/2025

Proj #: 24.0002607.000 Reviewed By:

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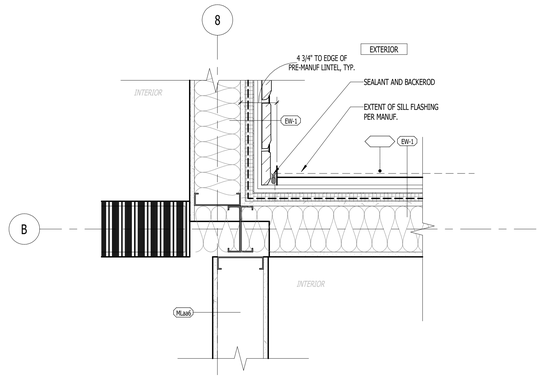
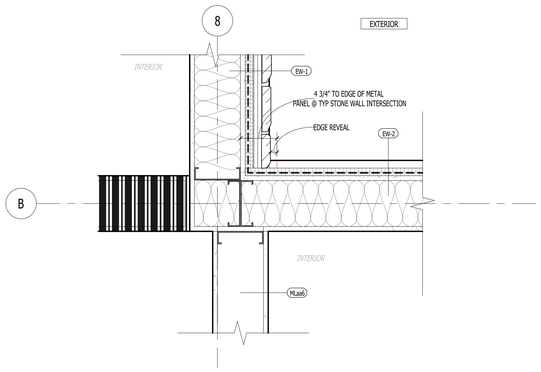
THE SQUARES ABOVE ARE SOLID WITH BLACK AND WHITE LETTERS, IF PLOTTED CORRECTLY



3 A08.01 TYP ST-3 LINTEL INTERSECTION W/ E-1 - ENLARGED PLAN
1 1/2" = 1'-0"



2 A08.01 TYP E-1 / E-2 INTERSECTION - ENLARGED PLAN
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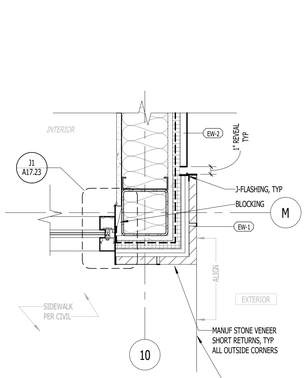
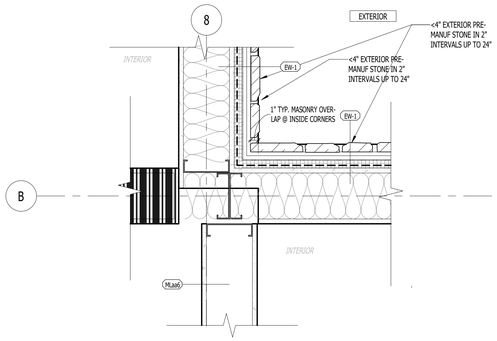


4 ENLARGED DETAIL @ ENTRY
1 1/2" = 1'-0"



1 A08.01 TYP E-1 / E-1 INTERSECTION - ENLARGED PLAN
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COUSHATTA TRIBE OF LOUISIANA

COUSHATTA TRIBE OF LOUISIANA

COUSHATTA TRIBE - EDUCATION BUILDING

1950 CC BEL RD
ELTON, LA 70532

Issue:	No:	Date:
BID SET		2025.12.05

ARCHITECTURAL PLAN DETAILS

ROBERT J SULLIVAN
REG. NO. 10599
STATE OF LOUISIANA
REGISTERED ARCHITECT
12/09/2025

Proj #: 24.0002607.000 Reviewed By:

A08.01

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THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT PRINTED ORIGINAL PAGE SIZE

THE SQUARES ABOVE ARE (FOUR WITH BLACK AND WHITE LETTERS, IF PRINTED CORRECTLY)

EXTERIOR FINISH MATERIAL SCHEDULE

TAG	PRODUCT COLOR	MANUFACTURER	PRODUCT FINISH	MODEL	PRODUCT SIZE	INSTALLATION	ADDITIONAL NOTES
WALLS- STONE							
STN-1	ANTIQUE CREAM	CORONADO STONE	PRE-FINISHED	COUNTRY RUBBLE	2" TO 8" IN HEIGHT AND UP TO 23" IN LENGTH	BLEND STONE FROM SEVERAL DIFFERENT BOXES TO ENSURE PROPER COLOR AND SIZE VARIATION	
STN-2	BLACK FOREST	CORONADO STONE	PRE-FINISHED	6" SPLIT LIMESTONE	6" X 30" TYP	HORIZONTAL BROKEN RANGE ASHLAR - RANDOMIZED PATTERN	AT TRANSITION FROM STN-2 TO MTL PANEL ABOVE, PROVIDE CORONADO CHISELED STONE SILL, COLOR: BLACK FOREST.
WALLS- METAL PANEL							
MTL-1	GRANITE	PAC-CLAD	PRE-FINISHED	FLUSH WALL PANEL (SMOOTH)	1" DEEP, 12" O.C. (24 GA)		
MTL-2	MIDNIGHT BRONZE	PAC-CLAD	PRE-FINISHED	PRECISION SERIES WALL PANEL	7/8" DEEP, 16" O.C. (24 GA)		
ROOFING- METAL							
MTL-4	MIDNIGHT BRONZE	PAC-CLAD	PRE-FINISHED	FLUSH WALL PANEL (SMOOTH)	1" DEEP, 12" O.C. (24 GA)		
CEILING - METAL PANEL							
MTL-3	WOODGRAIN FINISH	PAC-CLAD	PRE-FINISHED	SOFFIT FLUSH SERIES	1" DEEP, 7" O.C. (24 GA)		

MATERIAL FINISH PATTERN LEGEND

STN-1 · STN-2 · MTL-1 · MTL-2 · MTL-3 (SEE RCPS) · MTL-4

(N) ELEVATION NOTES BY NUMBER

①	TOP OF METAL PANEL REVEAL TO ALIGN WITH TOP OF ADJACENT STOREFRONT SYSTEMS AND UNDERSIDE OF ADJACENT CANOPIES TO CREATE HORIZONTAL DATUM ACROSS BUILDING FACADE.
②	MECHANICAL EQUIPMENT SCREEN, SEE ROOF PLAN AND STRUCTURAL
③	FIRE DEPARTMENT CONNECTION; SEE FIRE PROTECTION DRAWINGS
④	HORIZONTAL ELECTRICAL OUTLET AT 18" A.F.F. TO AVOID STONE SILL AND FLASHING. OUTLET TO BE CENTERED ON METAL PANEL.
⑤	UTILITY METER & C.T. CABINET, SEE ELECTRICAL
⑥	HOSE BIB CONNECTION; SEE PLUMBING
⑦	FUTURE BUILDING SIGNAGE BY SIGN VENDOR. COORDINATE FOR BLOCKING REQUIREMENTS TO SUPPORT SIGN.
⑧	EXTERIOR CANOPY COLUMNS TO BE SHOP PRIMED AND FIELD PAINTED BLACK - EXTERIOR PAINT TO BE APPROVED BY ARCHITECT. SEE FLOOR PLAN FOR QUANTITY & A12 SERIES & STRUCTURAL FOR CONNECTION DETAILS.
⑨	KNOX BOX; SEE SPECIFICATIONS.
⑩	DOWNSPOUT EXTENSION, SEE ARCHITECTURAL SITE PLAN.
⑪	ALUMINUM GUTTER & DOWNSPOUTS
⑫	WALL EXHAUST, SEE MECHANICAL
⑬	OVERFLOW DOWNSPOUT NOZZLE THIS AREA/SEE PLUMBING - APPX 18" A.F.F., COORDINATE WITH MASONRY SIZING
⑭	ADA STANCHION

GENERAL NOTES - ELEVATIONS & SECTIONS

A. ARCH 100'-0" FFE ELEVATION = 46.20' CIVIL AND SURVEY - SEE CIVIL & SURVEY FOR ADDITIONAL INFORMATION.

B. SEE A9.01 ELEVATIONS SHEET / ELEVATION TAGS & SCHEDULE FOR MATERIALS & MATERIALS CALLOUTS.

C. ALL EXTERIOR GRADE BEAMS & FACE OF CONC F.F. TO ALIGN W/ COL GRIDS, UNO - SEE LEVEL 1 DETAILS ON A12 & A13 SERIES, FOR VARIATIONS OF WALL SYSTEMS AT GRADE VS AT EXTERIOR WALKWAY CONDITIONS.

D. SEAL ALL THRU-WALL PENETRATIONS WEATHER TIGHT - VERIFY QUANTITY AND LOCATIONS. PROVIDE BIRD SCREENS OVER ANY PIPE OPENINGS

E. PROVIDE CONTROL JOINTS IN MASONRY WALL AT (UNLESS OTHERWISE NOTED)
a. 2'-0" EACH SIDE OF INSIDE OUTSIDE BUILDING CORNERS.
b. BUILDING HEIGHT CHANGES.
c. ENDS OF ALL LINTEL BEAMS SUPPORTING MASONRY OPENINGS.
d. MAXIMUM 32'-0" ELSEWHERE.

D. PROVIDE WOOD BLOCKING FOR SIGNAGE AS REQUIRED. VERIFY LOCATION OF BLOCKING.

E. PAINT EXPOSED GAS PIPING, CONDUIT AND RELATED METAL TO MATCH ADJACENT FINISH.

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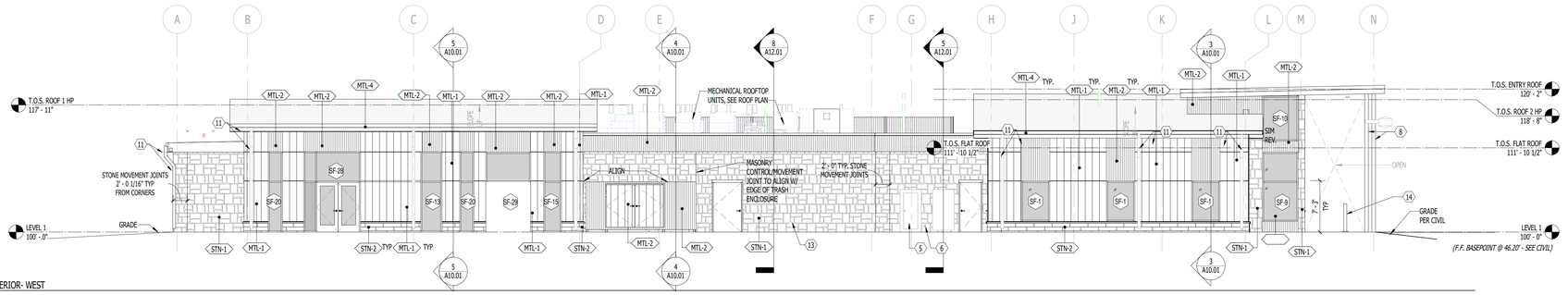
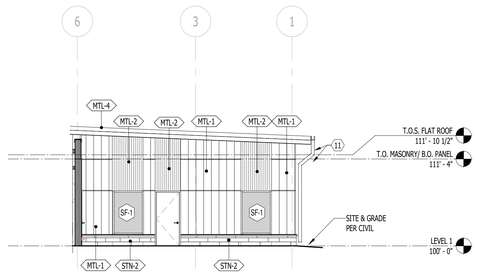
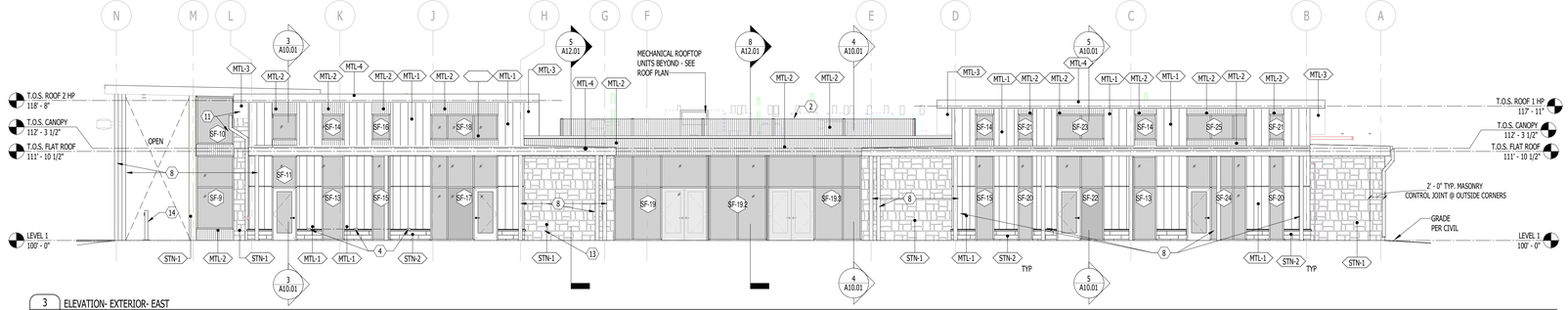


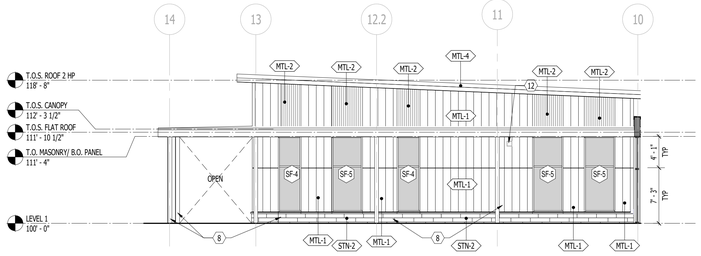
4 A09.01 ELEVATION- EXTERIOR- WEST
1/8" = 1'-0"



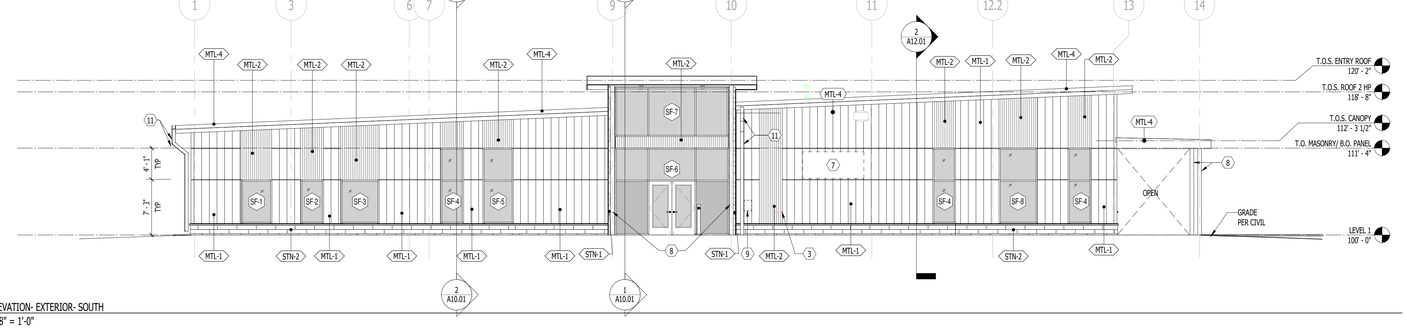
7 A09.01 ELEVATION - EXTERIOR- NORTH (WEST SIDE)
1/8" = 1'-0"



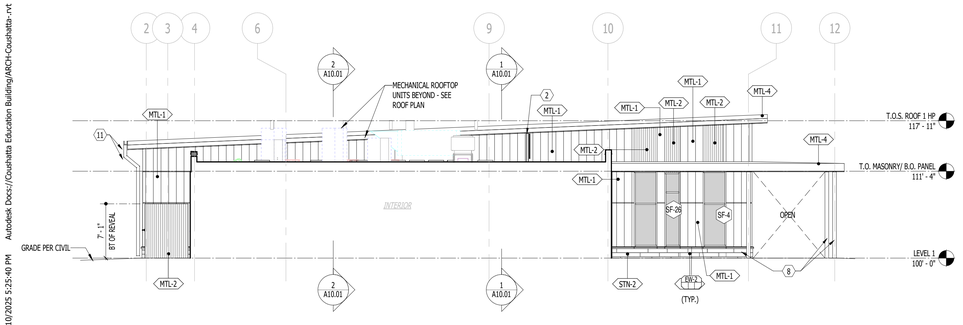
3 A09.01 ELEVATION- EXTERIOR- EAST
1/8" = 1'-0"



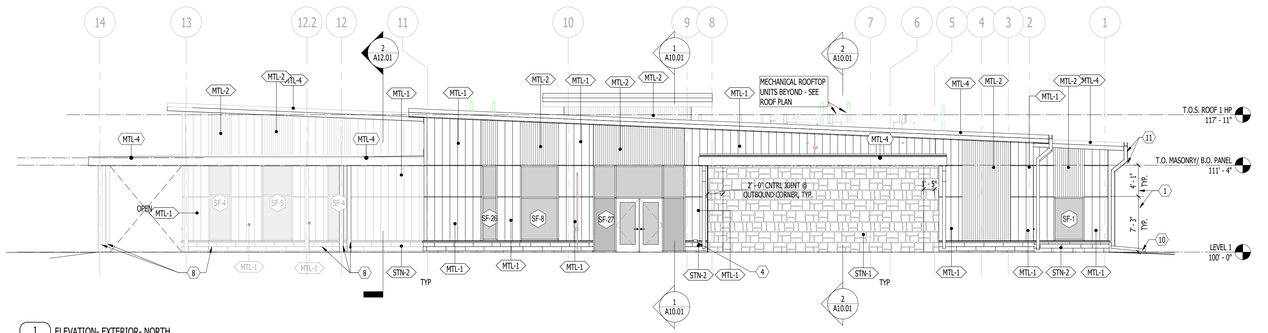
6 A09.01 ELEVATION - EXTERIOR- NORTH (EAST SIDE)
1/8" = 1'-0"



2 A09.01 ELEVATION- EXTERIOR- SOUTH
1/8" = 1'-0"



5 A09.01 ELEVATION - EXTERIOR- SOUTH (EAST SIDE)
1/8" = 1'-0"



1 A09.01 ELEVATION- EXTERIOR- NORTH
1/8" = 1'-0"

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COUSHATTA TRIBE OF LOUISIANA

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COUSHATTA TRIBE - EDUCATION BUILDING

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ELEVATIONS- EXTERIOR- BUILDING

ROBERT J SULLIVAN REG. NO. 19068 STATE OF LOUISIANA REGISTERED ARCHITECT
12/09/2025

Proj #: 24.0002607.000 Reviewed By:

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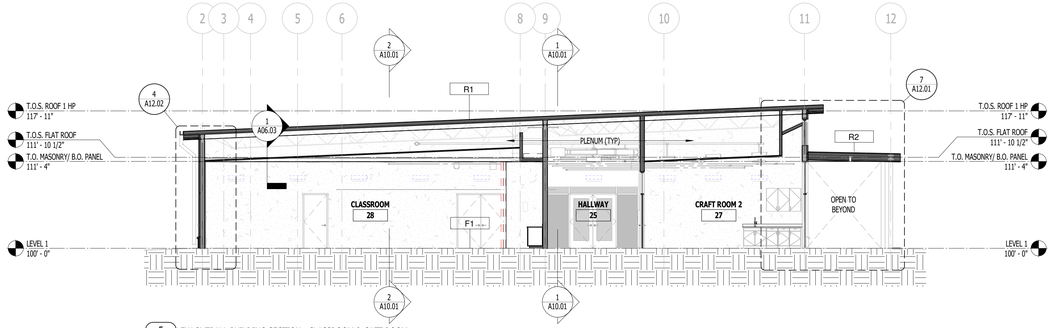
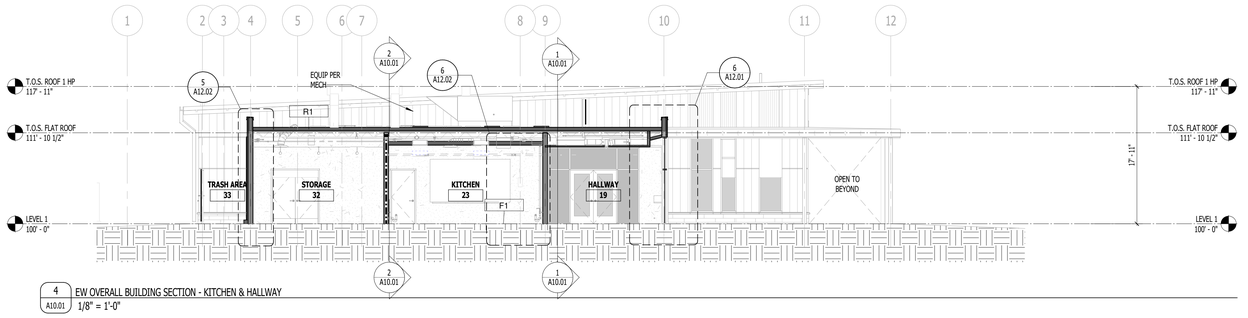
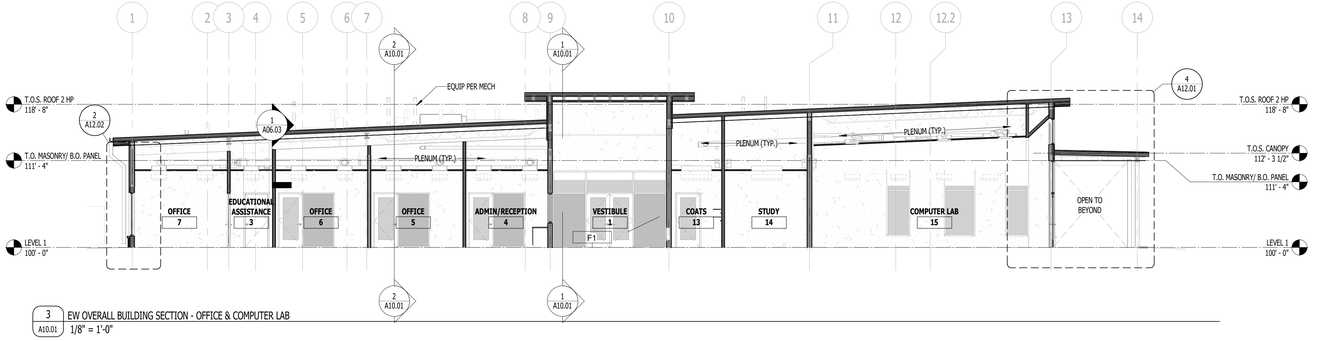


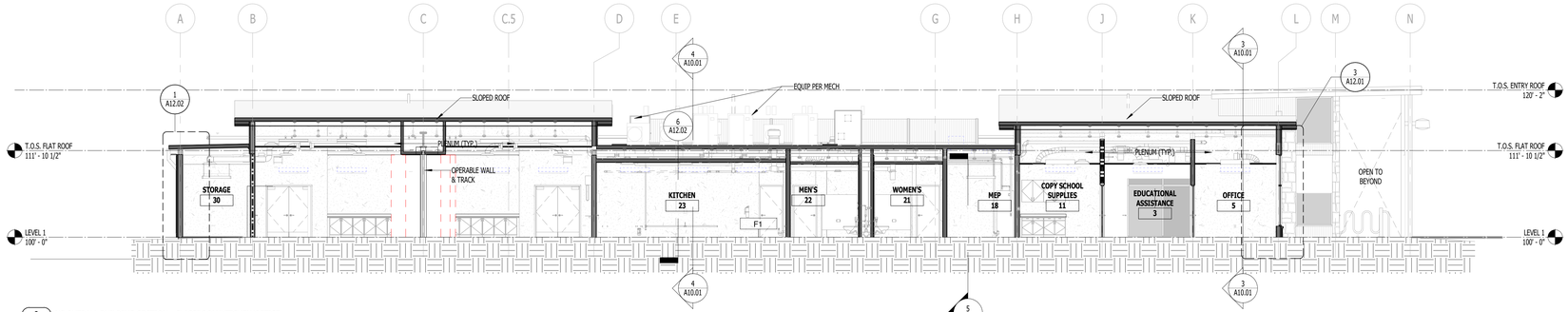
5 A10.01 EW OVERALL BUILDING SECTION - CLASSROOM & CAFT ROOM
1/8" = 1'-0"



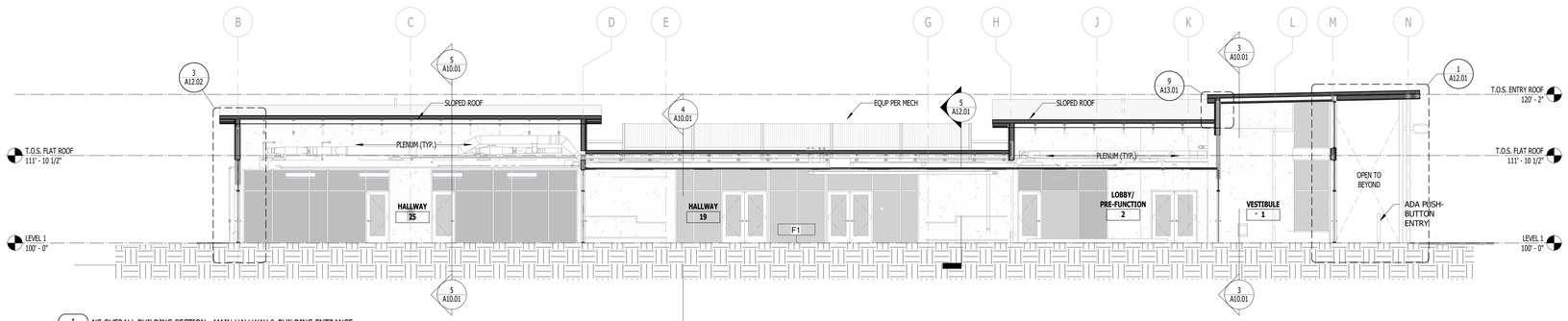
4 A10.01 EW OVERALL BUILDING SECTION - KITCHEN & HALLWAY
1/8" = 1'-0"



3 A10.01 EW OVERALL BUILDING SECTION - OFFICE & COMPUTER LAB
1/8" = 1'-0"



2 A10.01 NS OVERALL BUILDING SECTION - CLASSROOM/KITCHEN/OFFICE
1/8" = 1'-0"



1 A10.01 NS OVERALL BUILDING SECTION - MAIN HALLWAY & BUILDING ENTRANCE
1/8" = 1'-0"

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(N) BUILDING SECTION NOTES BY NUMBER

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COUSHATTA TRIBE OF LOUISIANA

COUSHATTA TRIBE - EDUCATION BUILDING

1950 CC BEL RD
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Issue:	No:	Date:
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BUILDING SECTIONS

ROBERT J SULLIVAN
REG. NO. 10058
STATE OF LOUISIANA
REGISTERED ARCHITECT
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Proj #: 24.0002607.000 Reviewed By:

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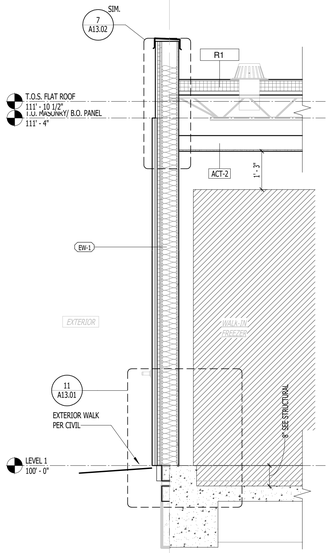
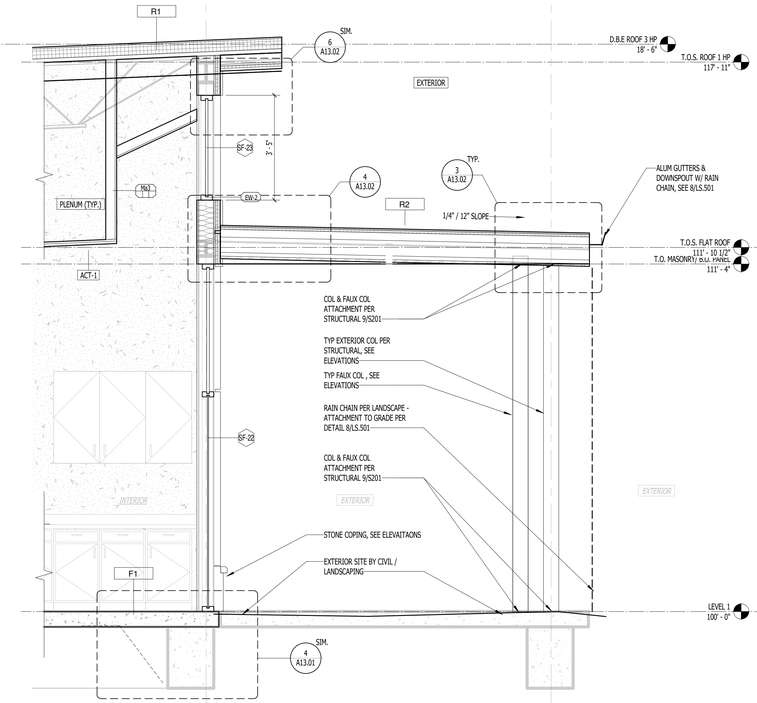
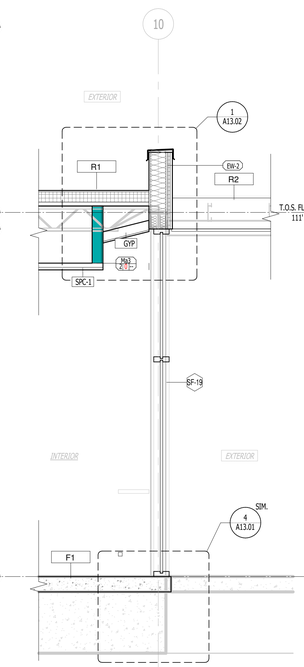


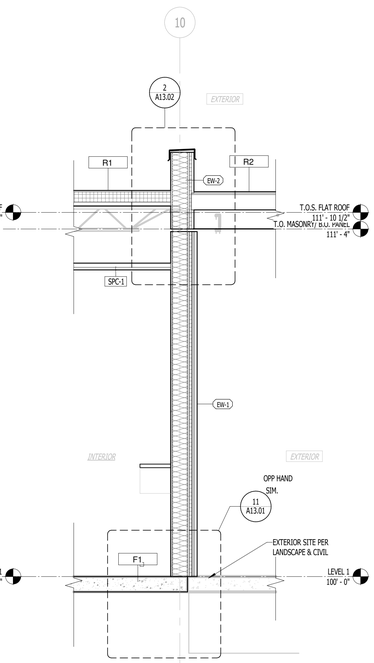
8 A12.01 E/W WS @ WALK-IN FREEZER & SLAB DROP
1/2" = 1'-0"



7 A12.01 WS_EAST WALL
1/2" = 1'-0"



6 A12.01 WS_HALLWAY EAST WALL
1/2" = 1'-0"



5 A12.01 WS - CENTER LINK
1/2" = 1'-0"

REFER TO ELEVATIONS FOR BUILDING MATERIALS

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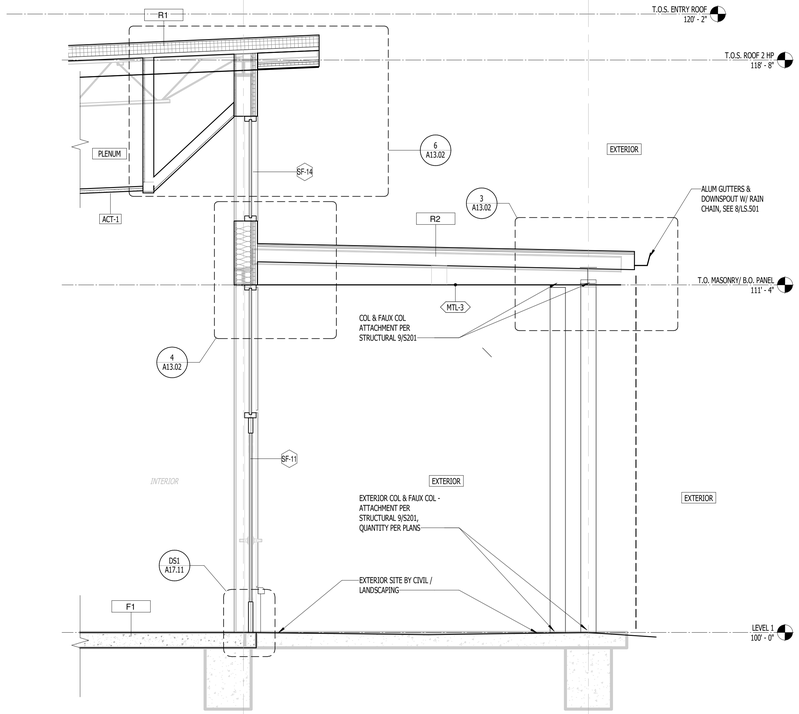
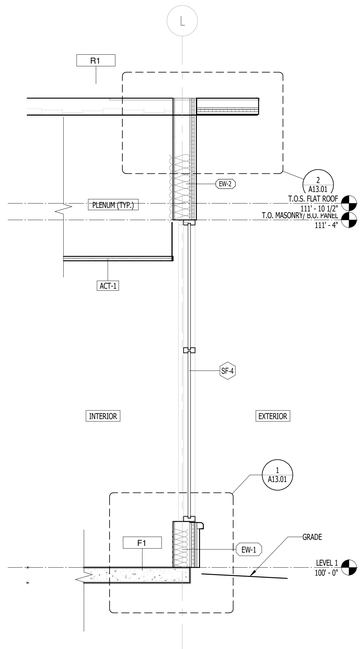
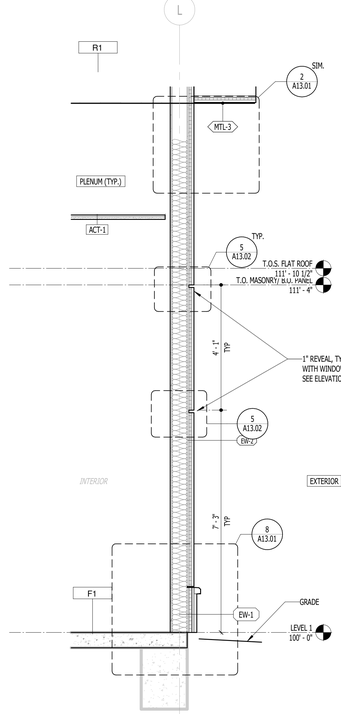


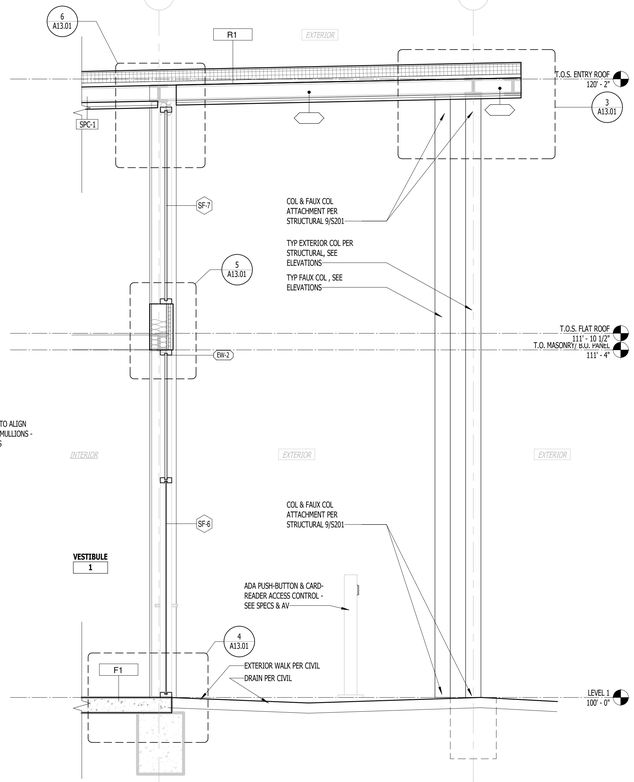
4 A12.01 WS @ TYP EAST CANOPY OVERHANG
1/2" = 1'-0"



3 A12.01 WS_OFFICES SOUTH WALL
1/2" = 1'-0"



2 A12.01 WS @ TYP SOUTH WALL
1/2" = 1'-0"



1 A12.01 WS_MAIN ENTRANCE
1/2" = 1'-0"

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WALL SECTIONS

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A12.01

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THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG IF PRINTED ORIGINAL PAGE SIZE

THE SQUARES ABOVE ARE SOLID WITH BLACK AND WHITE LETTERS IF PRINTED CORRECTLY

REFER TO ELEVATIONS FOR BUILDING MATERIALS

GENERAL NOTES - ELEVATIONS & SECTIONS

A. ARCH 100'-0" FFE ELEVATION = 46.20' CIVIL AND SURVEY - SEE CIVIL & SURVEY FOR ADDITIONAL INFORMATION.

B. SEE A9.01 ELEVATIONS SHEET / ELEVATION TAGS & SCHEDULE FOR MATERIALS & MATERIALS CALLOUTS.

C. ALL EXTERIOR GRADE BEAMS & FACE OF CONC F.F. TO ALIGN W/ COL GRIDS, UNO - SEE LEVEL 1 DETAILS ON A12 & A13 SERIES, FOR VARIATIONS OF WALL SYSTEMS AT GRADE VS AT EXTERIOR WALKWAY CONDITIONS.

D. SEAL ALL THRU-WALL PENETRATIONS WEATHER TIGHT - VERIFY QUANTITY AND LOCATIONS. PROVIDE BIRD SCREENS OVER ANY PIPE OPENINGS

E. PROVIDE CONTROL JOINTS IN MASONRY WALL AT (UNLESS OTHERWISE NOTED)
   a. 2'-0" EACH SIDE OF INSIDE OUTSIDE BUILDING CORNERS.
   b. BUILDING HEIGHT CHANGES.
   c. ENDS OF ALL LINTEL BEAMS SUPPORTING MASONRY OPENINGS.
   d. MAXIMUM 32'-0" ELSEWHERE.

D. PROVIDE WOOD BLOCKING FOR SIGNAGE AS REQUIRED. VERIFY LOCATION OF BLOCKING.

E. PAINT EXPOSED GAS PIPING, CONDUIT AND RELATED METAL TO MATCH ADJACENT FINISH.

F. ALL METAL PANELS TO ALIGN WITH WINDOWS. COORDINATE WITH ELEVATIONS WHERE METAL PANEL SYSTEMS TRANSITION BETWEEN TYPES.

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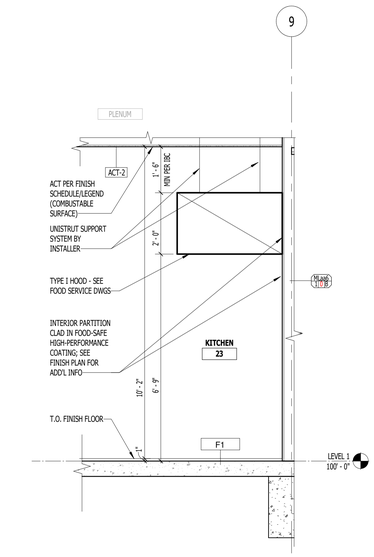
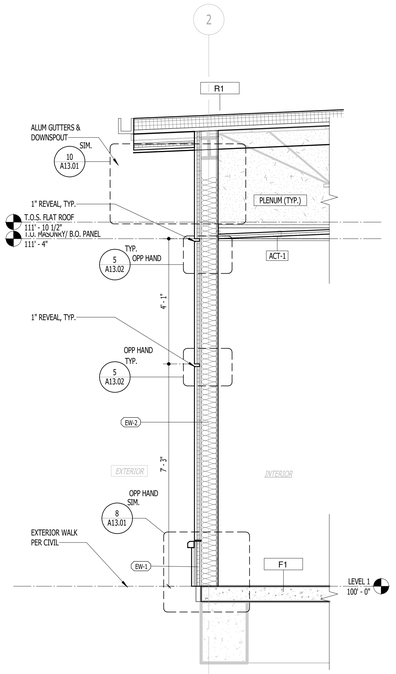
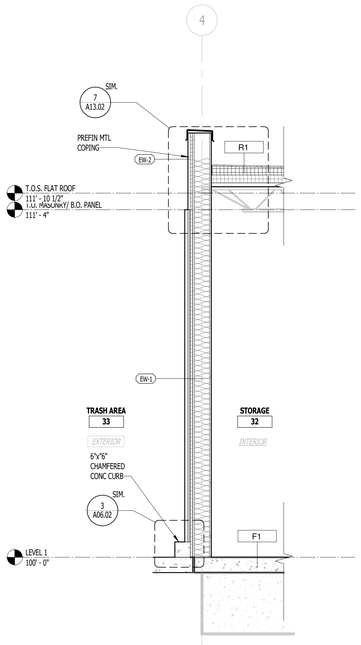


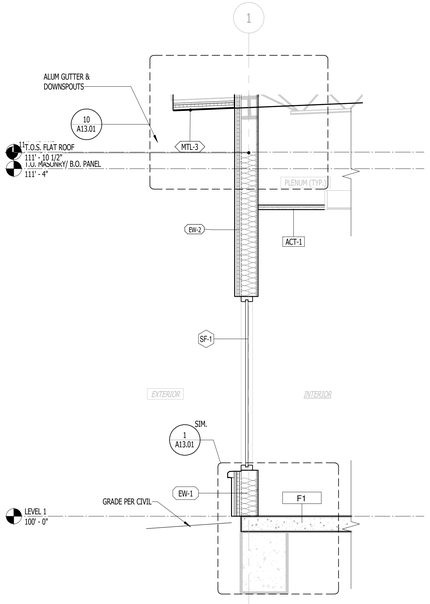
6 / A12.02 E/W SECTION @ COMMERCIAL HOOD
1/2" = 1'-0"



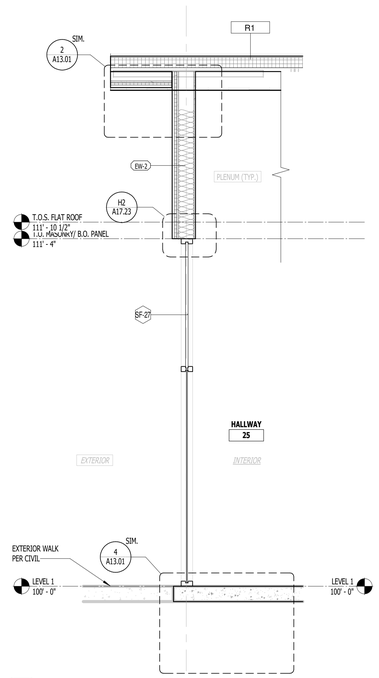
4 / A12.02 WS_WEST WALL W/ SLOPED ROOF
1/2" = 1'-0"



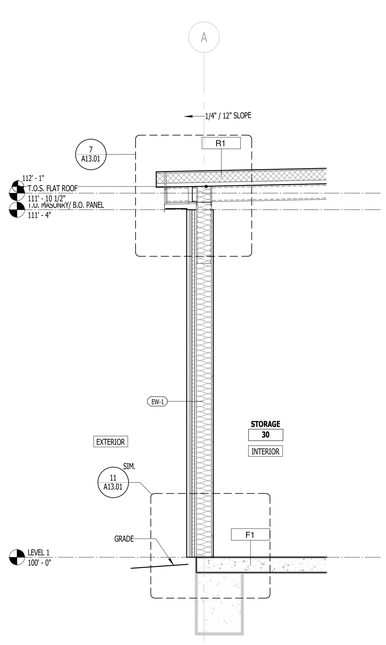
5 / A12.02 WS_WEST WALL @ STORAGE
1/2" = 1'-0"



2 / A12.02 WS_SOUTHWEST WALL
1/2" = 1'-0"



3 / A12.02 WS @ NORTH WALL
1/2" = 1'-0"



1 / A12.02 WS_STORAGE NORTH WALL
1/2" = 1'-0"

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COUSHATTA TRIBE OF LOUISIANA

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COUSHATTA TRIBE - EDUCATION BUILDING

1950 CC BEL RD
ELTON, LA 70532

Issue:	No:	Date:
BID SET		2025.12.05

WALL SECTIONS

ROBERT J SULLIVAN
REG. NO. 10699
STATE OF LOUISIANA
REGISTERED ARCHITECT
12/09/2025

Proj #: 24.0002607.000 Reviewed By:

A12.02

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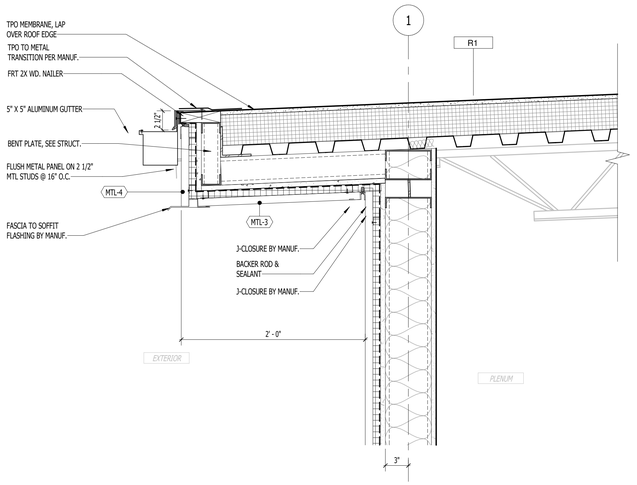
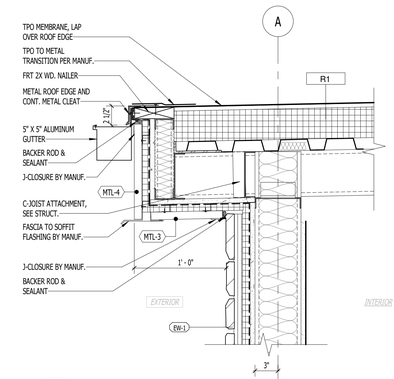
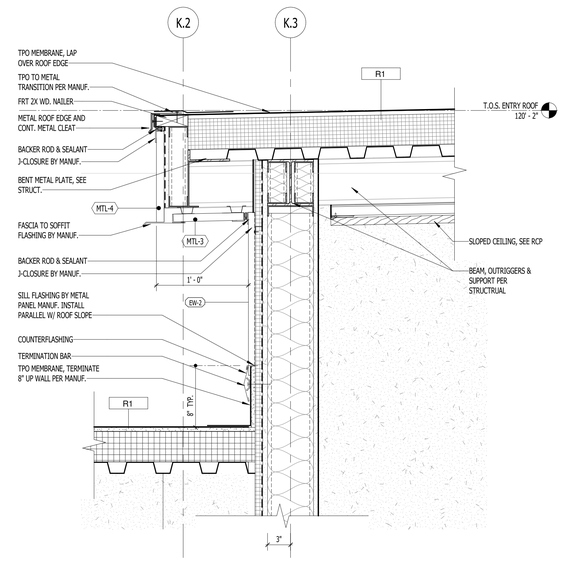
12/10/2025 5:26:14 PM Autodesk Docs://Coushatta Education Building/ARCH-Coushatta-.rvt



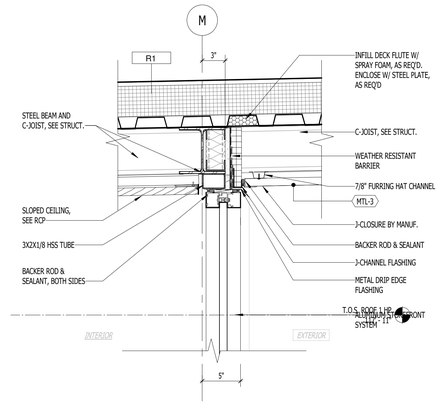
10 A13.01 TYP E/W WS @ LP OF 1/2" / 12" SLOPED TPO ROOF SYSTEM
1 1/2" = 1'-0"



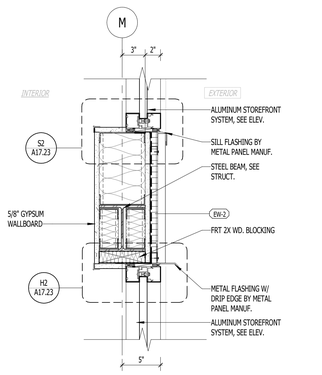
7 A13.01 TYP N/S WS @ AV & STORAGE ROOMS
1 1/2" = 1'-0"



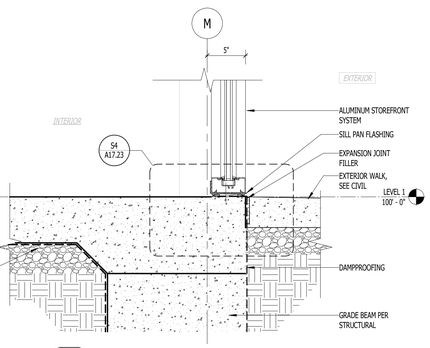
9 A13.01 N/S SD - NORTH VESTIBULE GATHERING WALL
1 1/2" = 1'-0"



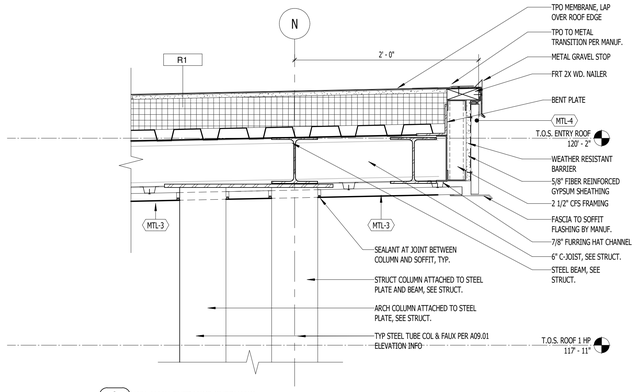
6 A13.01 SD_ENTRANCE @ ROOF EXT.
1 1/2" = 1'-0"



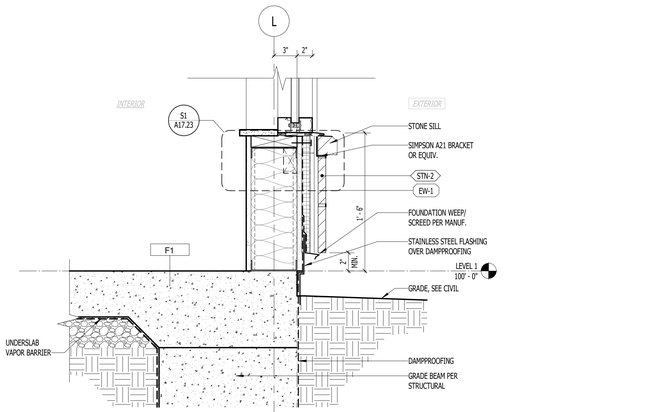
5 A13.01 SD_ENTRANCE @ SF TRANSITION
1 1/2" = 1'-0"



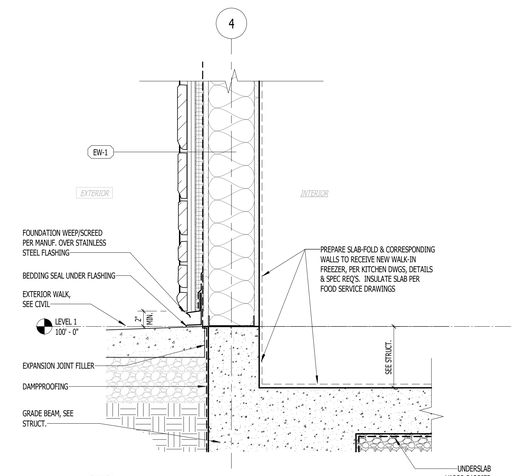
4 A13.01 SD_ENTRANCE @ FOUNDATION
1 1/2" = 1'-0"



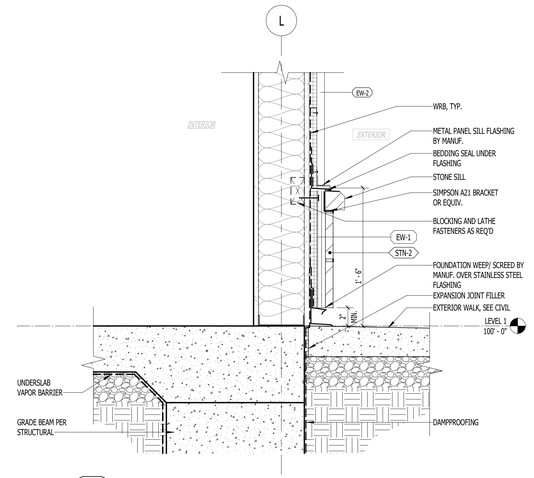
3 A13.01 WS_MAIN ENTRANCE OVERHANG
1 1/2" = 1'-0"



2 A13.01 TYP SD_OFFICES SOUTH WALL @ TOW/TYP NORTH & SOUTH OUTRIGGER CONFIGURATION
1 1/2" = 1'-0"



11 A13.01 E/W WS @ WALK-IN FREEZER & SLAB DROP -
1 1/2" = 1'-0"



8 A13.01 TYP EW-1 WALL @ EXTERIOR WALK INTERSECTION
1 1/2" = 1'-0"

1 A13.01 TYP EW-1 WALL @ GRADE INTERSECTION
1 1/2" = 1'-0"

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EXTERIOR SECTION DETAILS

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REG. NO. 10099
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12/09/2025

Proj #: 24.0002607.000 Reviewed By:

A13.01

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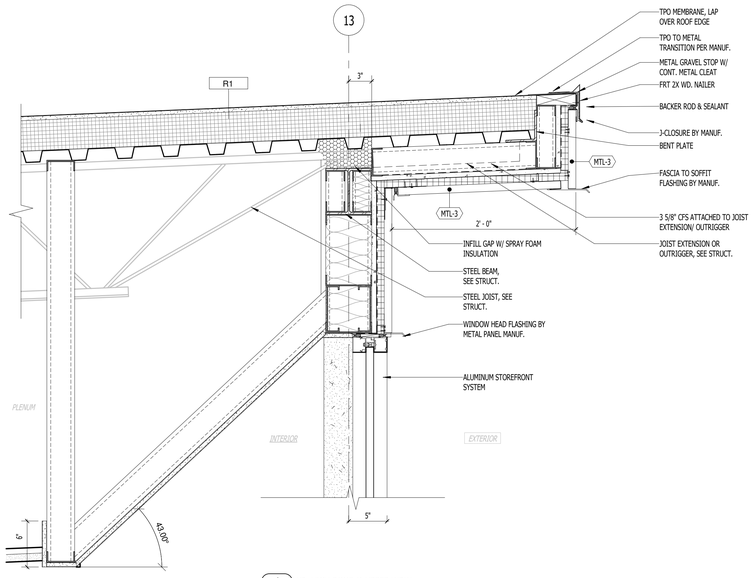
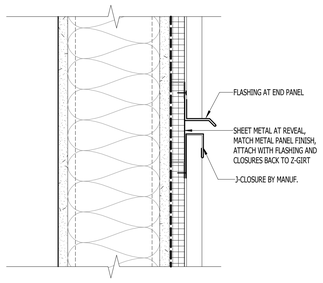
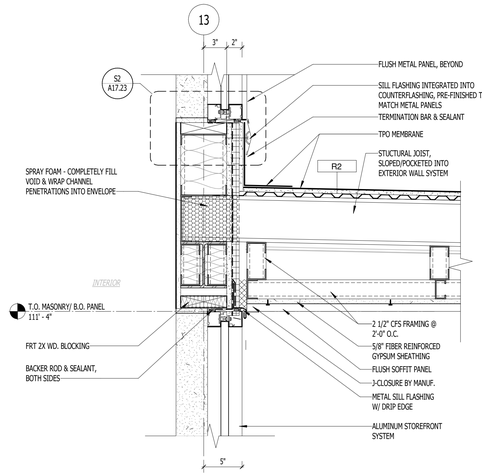


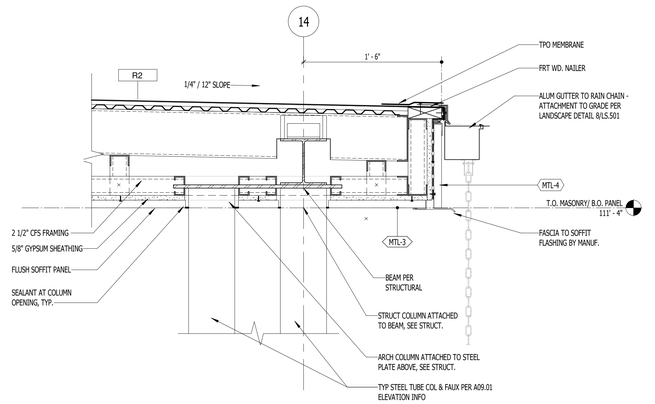
6 A13.02 SD_HIGH ROOF @ UPPER WDW
1 1/2" = 1'-0"



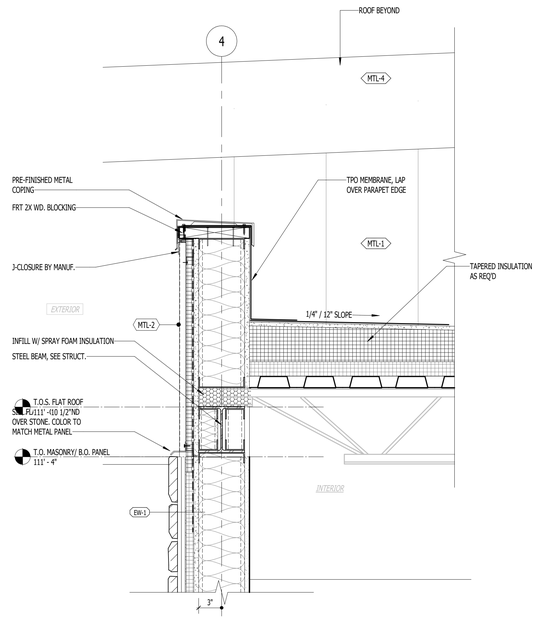
5 A13.02 TYP. HORIZONTAL REVEAL @ FLUSH PANELS
3" = 1'-0"



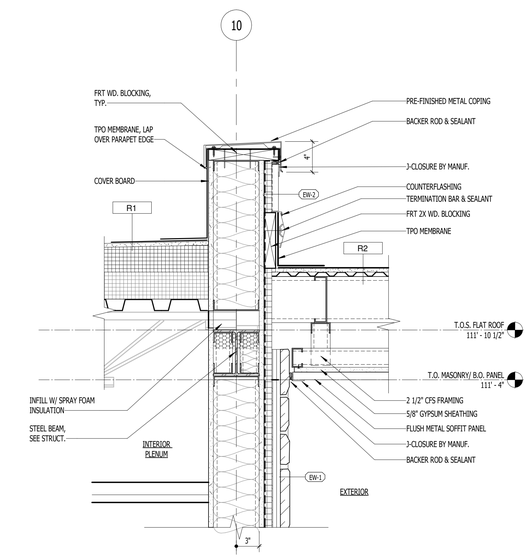
4 A13.02 SD @ TYP CANOPY TIE-IN
1 1/2" = 1'-0"



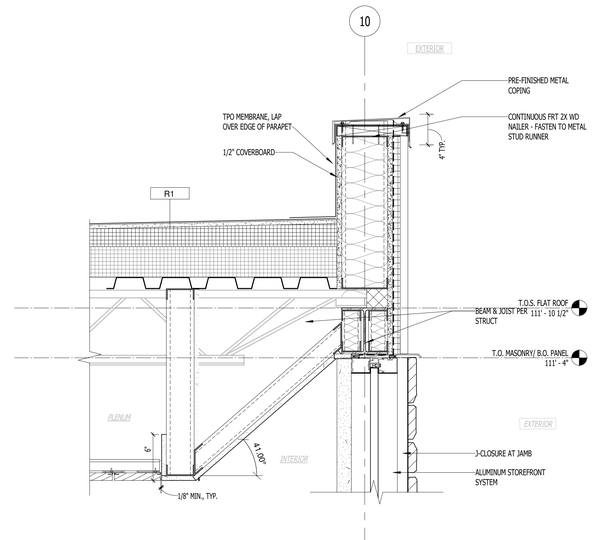
3 A13.02 CANOPY END, TYP.
1 1/2" = 1'-0"



7 A13.02 TYP WS @ EW-2 PARAPET/TAPERED INSUL
1 1/2" = 1'-0"



2 A13.02 SD_CORRIDOR @ CANOPY TRANSITION
1 1/2" = 1'-0"



1 A13.02 SD_CORRIDOR @ SF PARAPET TRANSITION
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EXTERIOR SECTION DETAILS

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REG. NO. 10084
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REGISTERED ARCHITECT
12/09/2025

Proj #: 24.0002607.000 Reviewed By:

A13.02

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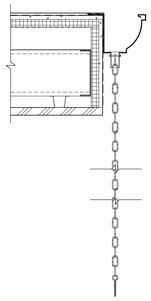
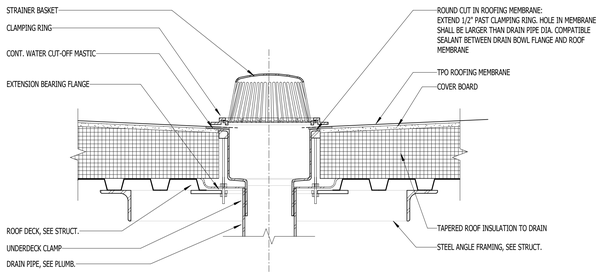
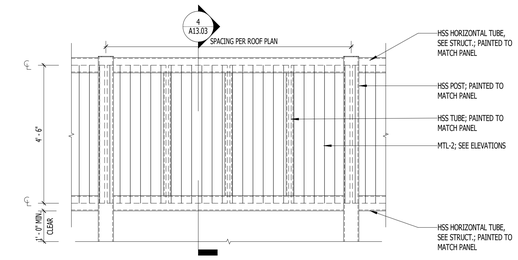


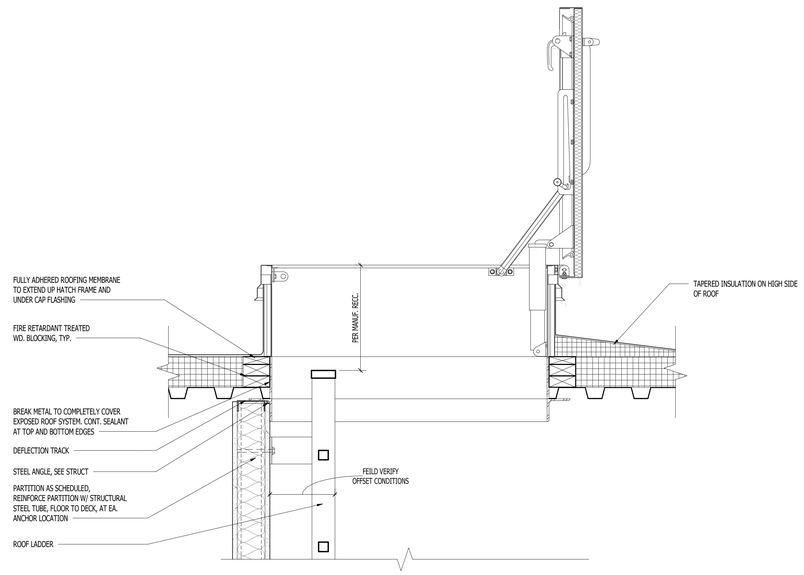
9 A13.03 RAIN CHAIN DETAIL
1 1/2" = 1'-0"



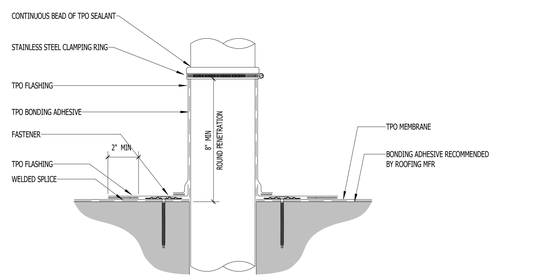
8 A13.03 DTL_ROOF_ROOF DRAIN
1 1/2" = 1'-0"



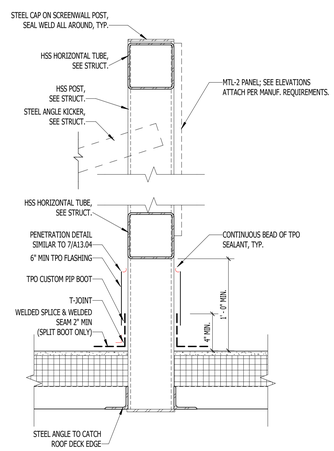
5 A13.03 DTL_EQUIPMENT SCREEN WALL_PARTIAL ELEVATION
1/2" = 1'-0"



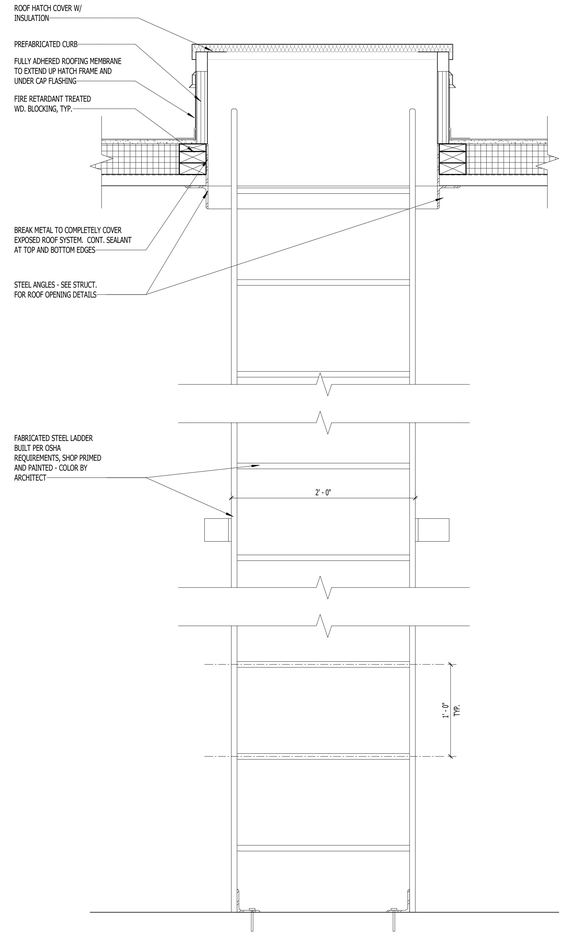
2 A13.03 DTL_ROOF_ROOF HATCH
1 1/2" = 1'-0"



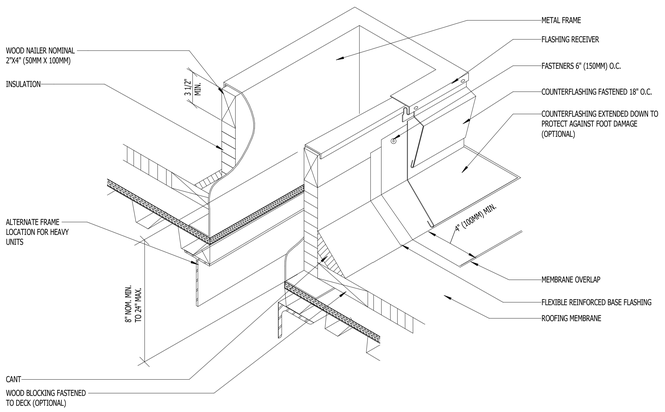
7 A13.03 TYP ROOF ROOF PENETRATION
3" = 1'-0"



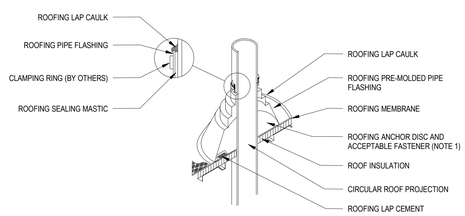
4 A13.03 ENLARGED DTL_SCREEN WALL_SECTION
1 1/2" = 1'-0"



1 A13.03 DTL_ROOF_ROOF LADDER DETAIL
1 1/2" = 1'-0"



6 A13.03 DTL_ROOF_RTU CURB
1 1/2" = 1'-0"



NOTES:
1. DO NOT OVERLAP THE FLANGES FROM ADJACENT PIPE FLASHINGS
2. ANY SEAM UNDER BOOT FLANGE TO BE TREATED AS T-JOINT.

3 A13.03 TYP PIPE VENT PENETRATION DETAIL
6" = 1'-0"

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COUSHATTA TRIBE OF LOUISIANA

COUSHATTA TRIBE - EDUCATION BUILDING

1950 CC BEL RD
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Issue:	No:	Date:
BID SET		2025.12.05

ROOF DETAILS

ROBERT J SULLIVAN
REG. NO. 32599
STATE OF LOUISIANA
REGISTERED ARCHITECT
12/09/2025

Proj #: 24.0002607.000 Reviewed By:

A13.03

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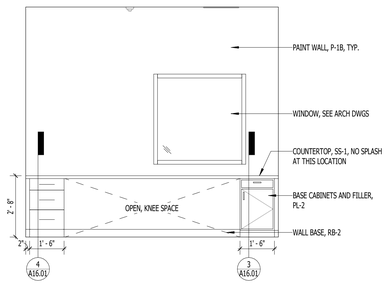
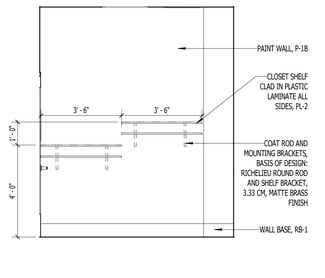
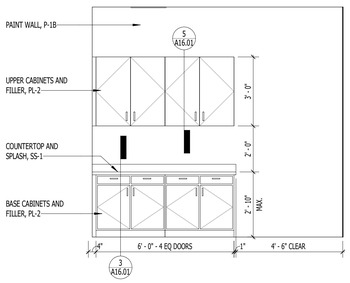


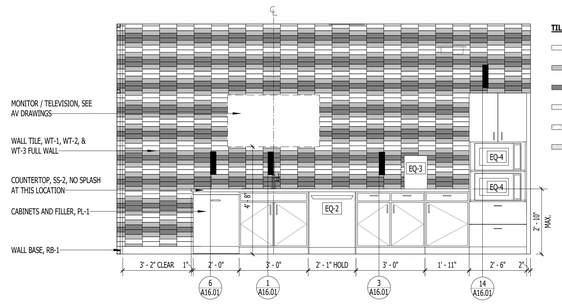
1 A14.01 INTERIOR ELEVATION - 4 ADMIN/RECEPTION
3/8" = 1'-0"



2 A14.01 INTERIOR ELEVATION - 13 COATS
3/8" = 1'-0"

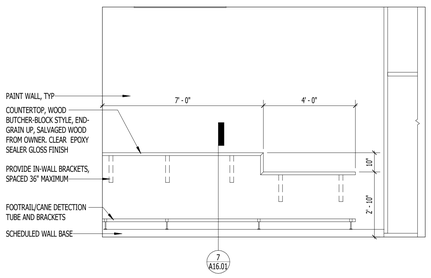


3 A14.01 INTERIOR ELEVATION - 11 COPY SCHOOL SUPPLIES
3/8" = 1'-0"

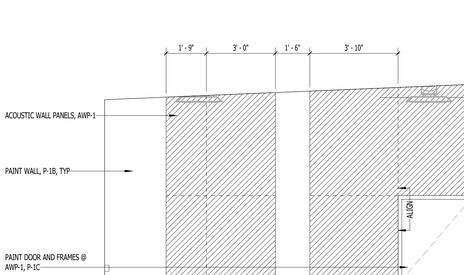


TILE LEGEND
- WT-1 (WHITE)
- WT-2 (TAN)
- WT-3 (BLACK)
- WT-4 (RED)
- WT-5 (ORANGE)
- WT-6 (MARIGOLD)

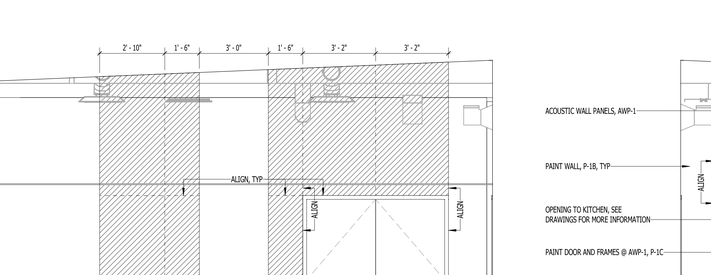
4 A14.01 INTERIOR ELEVATION - 16 BREAK ROOM
3/8" = 1'-0"



5 A14.01 INTERIOR ELEVATION - HALLWAY 19
3/8" = 1'-0"

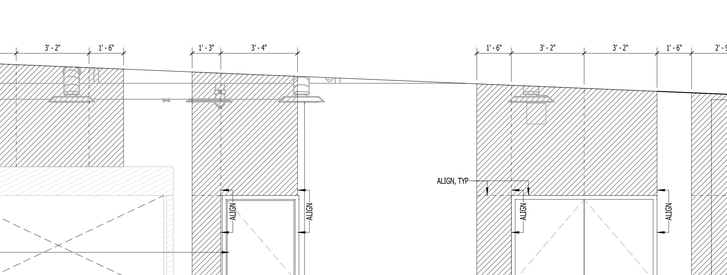


6 A14.01 INTERIOR ELEVATION - HALLWAY 19
3/8" = 1'-0"



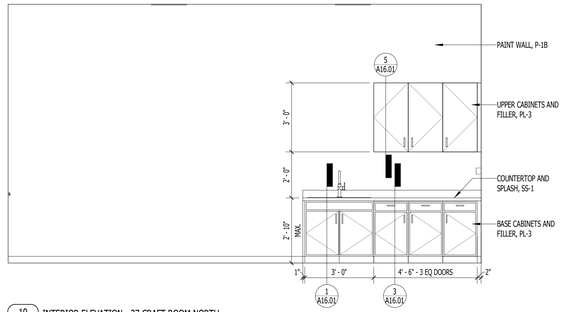
TILE LEGEND
- WT-1 (WHITE)
- WT-2 (TAN)
- WT-3 (BLACK)
- WT-4 (RED)
- WT-5 (ORANGE)
- WT-6 (MARIGOLD)

7 A14.01 INTERIOR ELEVATION - 21 WOMEN'S RESTROOM
3/8" = 1'-0"



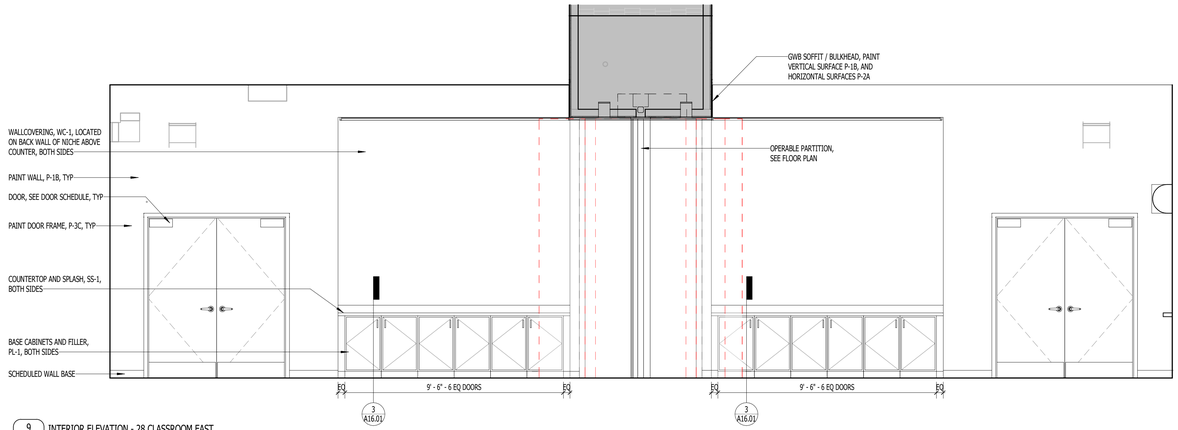
TILE LEGEND
- WT-1 (WHITE)
- WT-2 (TAN)
- WT-3 (BLACK)
- WT-4 (RED)
- WT-5 (ORANGE)
- WT-6 (MARIGOLD)

8 A14.01 INTERIOR ELEVATION - 22 MEN'S RESTROOM
3/8" = 1'-0"



10 A14.01 INTERIOR ELEVATION - 27 CRAFT ROOM NORTH
3/8" = 1'-0"

12 A14.01 INTERIOR ELEVATION - DRINKING FOUNTAINS
3/8" = 1'-0"



9 A14.01 INTERIOR ELEVATION - 28 CLASSROOM EAST
3/8" = 1'-0"

NOTE:
CONTRACTOR TO COORDINATE ALL DEVICES IN WALL WITH ACW LOCATION PRIOR TO INSTALLATION

11 A14.01 INTERIOR ELEVATION - 28 CLASSROOM NORTH
3/8" = 1'-0"

NOTE:
CONTRACTOR TO COORDINATE ALL DEVICES IN WALL WITH ACW LOCATION PRIOR TO INSTALLATION

13 A14.01 INTERIOR ELEVATION - 28 CLASSROOM SOUTH
3/8" = 1'-0"

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COUSHATTA TRIBE OF LOUISIANA

COUSHATTA TRIBE - EDUCATION BUILDING

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Issue:	No:	Date:
BID SET		2025.12.05

INTERIOR ELEVATIONS

ROBERT J SULLIVAN
REG. NO. 10599
STATE OF LOUISIANA
REGISTERED ARCHITECT
12/09/2025

Proj #: 24.0002607.000 Reviewed By:

A14.01

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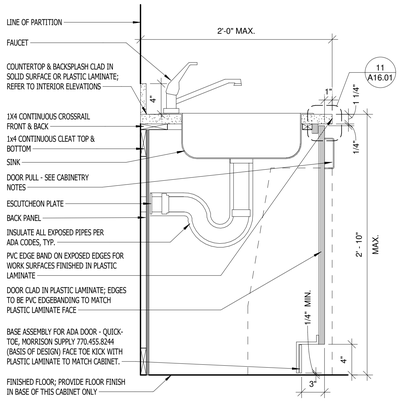
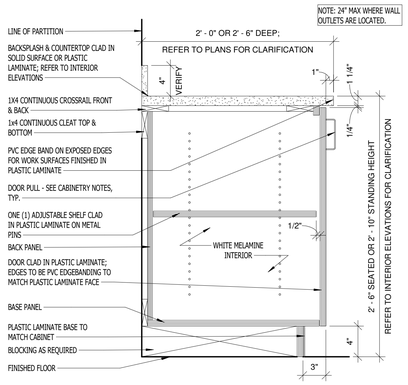
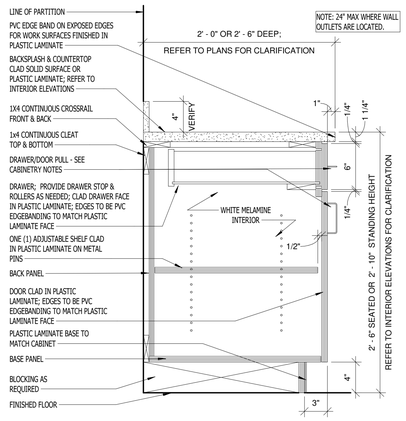


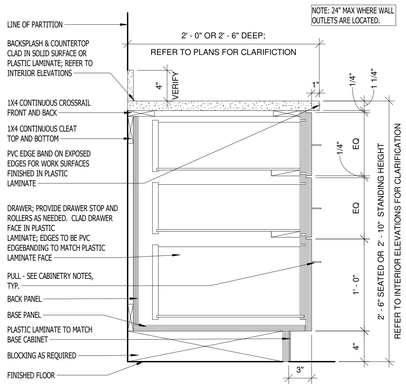
1 A16.01 DETAIL - BASE CABINET H.C. SINK
1 1/2" = 1'-0"



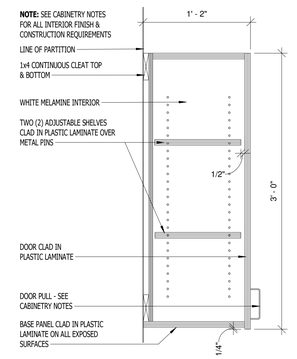
2 A16.01 DETAIL - BASE CABINET W/ DOOR
1 1/2" = 1'-0"



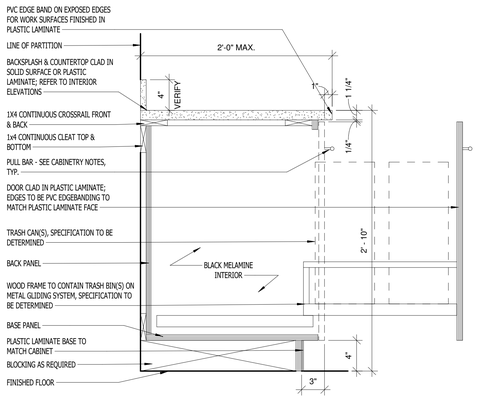
3 A16.01 DETAIL - BASE CABINET W/ 1 DRAWER
1 1/2" = 1'-0"



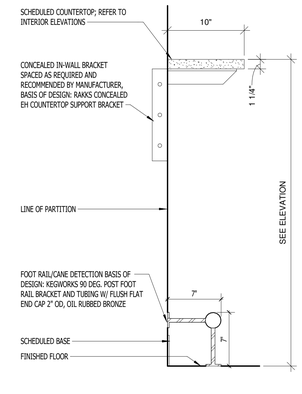
4 A16.01 DETAIL - BASE CABINET W/ 3 DRAWERS
1 1/2" = 1'-0"



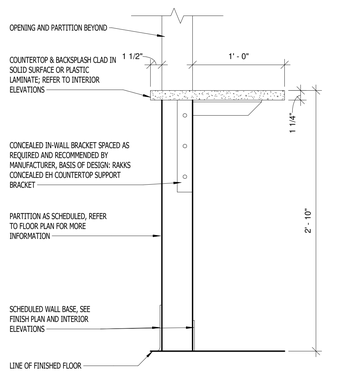
5 A16.01 DETAIL - UPPER CABINET 36"H
1 1/2" = 1'-0"



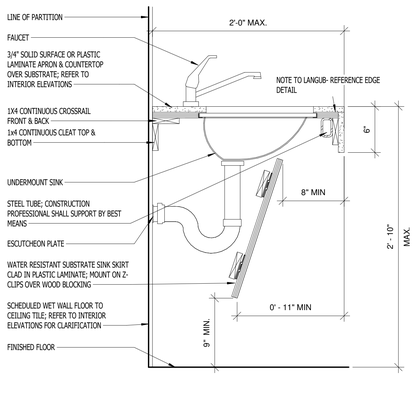
6 A16.01 DETAIL - BASE CABINET W/ TRASH PULL OUT
1 1/2" = 1'-0"



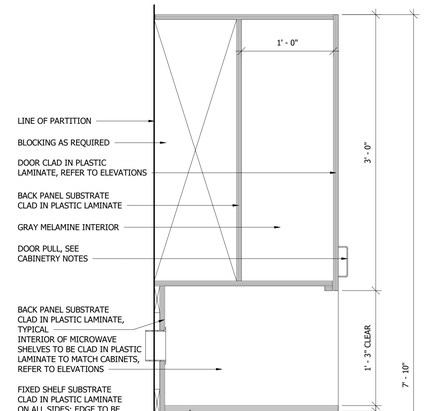
7 A16.01 DETAIL - CASE @ LOBBY/HALLWAY
1 1/2" = 1'-0"



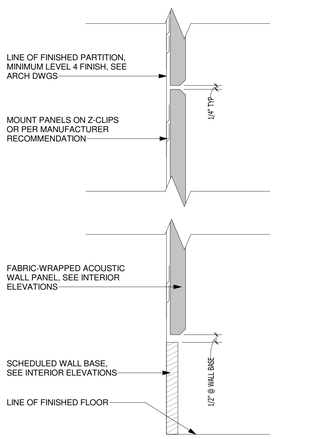
8 A16.01 DETAIL - COUNTERTOP @ KITCHEN PASS-THRU
1 1/2" = 1'-0"



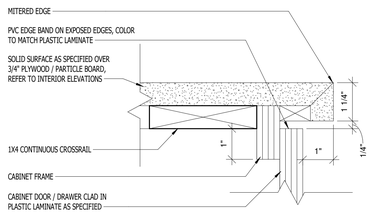
9 A16.01 DETAIL - BASE U.C. SINK & SKIRT
1 1/2" = 1'-0"



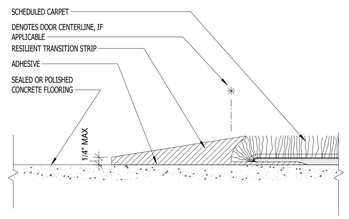
10 A16.01 DETAIL - MICROWAVE TOWER
1 1/2" = 1'-0"



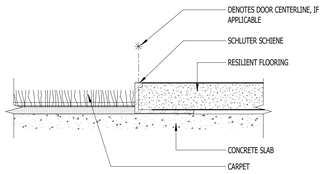
10 A16.01 DETAIL - ACOUSTIC WALL PANELS
3" = 1'-0"



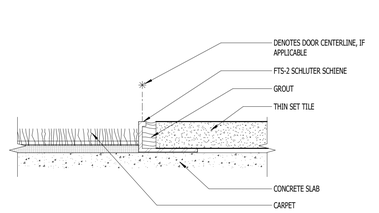
11 A16.01 EDGE DETAIL - SOLID SURFACE COUNTERTOP
6" = 1'-0"



12 A16.01 TRANSITION - CONCRETE TO CARPET
12" = 1'-0"

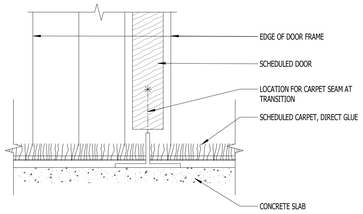


13 A16.01 TRANSITION - CARPET TO RESILIENT FLOOR
12" = 1'-0"

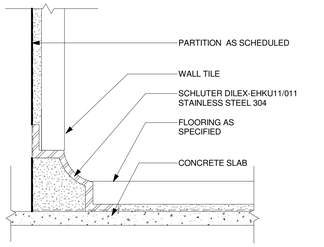


15 A16.01 DETAIL - WINDOW SILL
1 1/2" = 1'-0"

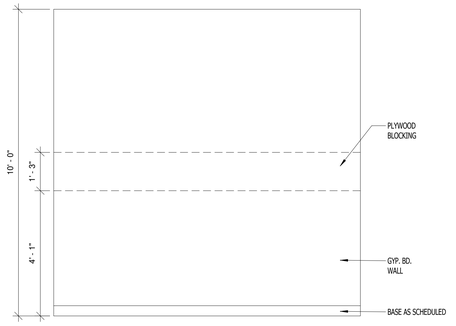
16 A16.01 TRANSITION - CARPET TO PORCELAIN TILE
12" = 1'-0"



17 A16.01 TRANSITION - CARPET TO CARPET
12" = 1'-0"



18 A16.01 DETAIL - COVE TRANSITION
12" = 1'-0"



19 A16.01 DETAIL - INTERIOR BLOCKING
1/2" = 1'-0"

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COUSHATTA TRIBE OF LOUISIANA

COUSHATTA TRIBE - EDUCATION BUILDING

1950 CC BEL RD
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Issue:	No:	Date:
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INTERIOR SECTIONS & DETAILS

ROBERT J SULLIVAN
REG. NO. 10080
STATE OF LOUISIANA
REGISTERED ARCHITECT
12/09/2025

Proj #: 24.0002607.000 Reviewed By:

A16.01

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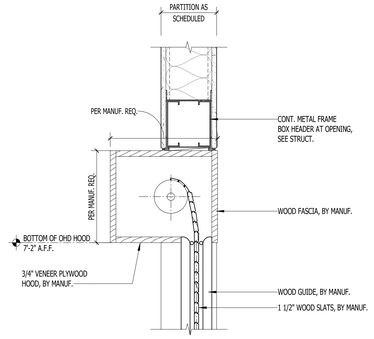
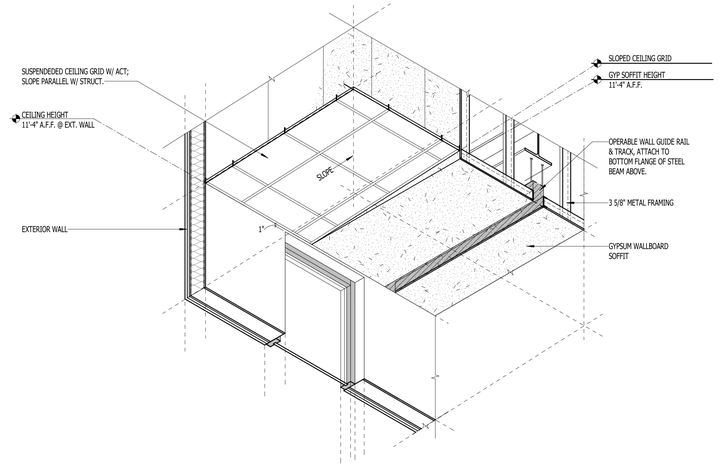
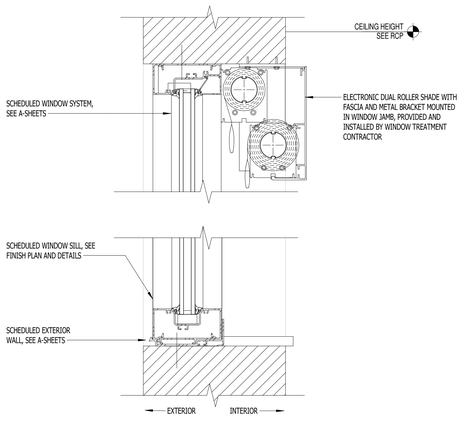


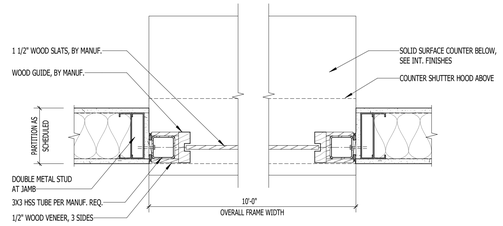
6 A16.05 DTL_O/H COUNTER SHUTTER_HEAD
1 1/2" = 1'-0"



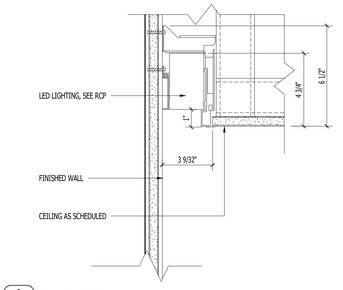
3 A16.05 AXON DETAIL - SLOPED GRID AND SOFFIT
NOT TO SCALE



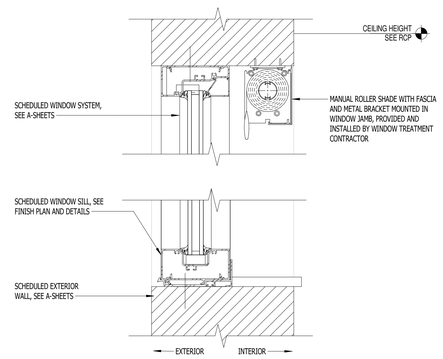
8 A16.05 DUAL ROLLER SHADE (ELECTRONIC) AT CLASSROOM AND COMPUTER LAB
3" = 1'-0"



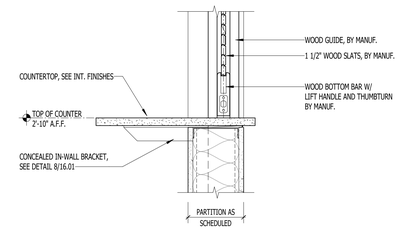
5 A16.05 DTL_O/H COUNTER SHUTTER_JAMB
1 1/2" = 1'-0"



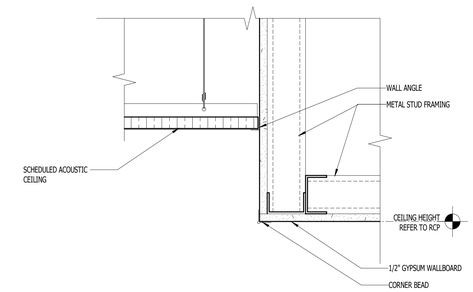
2 A16.05 COVE LIGHT DETAIL
3" = 1'-0"



7 A16.05 ROLLER SHADE (MANUAL), TYP.
3" = 1'-0"



4 A16.05 DTL_O/H COUNTER SHUTTER_SILL
1 1/2" = 1'-0"



1 A16.05 ACT TO GYP SOFFIT
3" = 1'-0"

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COUSHATTA TRIBE OF LOUISIANA

COUSHATTA TRIBE - EDUCATION BUILDING

1950 CC BEL RD
ELTON, LA 70532

Issue:	No:	Date:
BID SET		2025.12.05

CEILING, COUNTER SHUTTER, AND ROLLER SHADE DETAILS

ROBERT J SULLIVAN
REG. NO. 10699
STATE OF LOUISIANA
REGISTERED ARCHITECT
12/09/2025

Proj #: 24.0002607.000 Reviewed By:

A16.05

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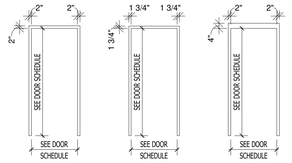
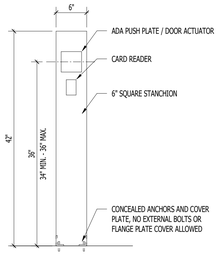
FRAME TYPES



FRAME TYPE F1
HM FRAME

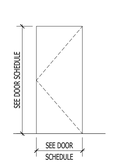
FRAME TYPE F2
ALUMINUM STOREFRONT

FRAME TYPE F3
HM FRAME AT MASONRY VENEER

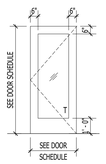


1 AUTOMATIC DOOR OPERATOR STANTION ELEVATION
1" = 1'-0"

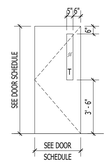
PANEL TYPES



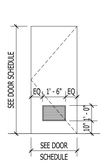
DOOR TYPE F
FLUSH



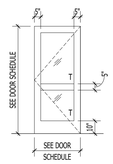
DOOR TYPE FG
FLUSH WITH FULL GLASS AND INTERMEDIATE RAIL



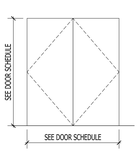
DOOR TYPE N
FLUSH WITH NARROW LITE



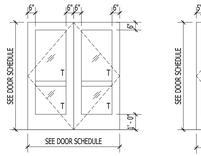
DOOR TYPE L
FLUSH WITH LOUVER



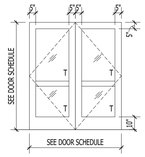
DOOR TYPE GWS
FULL GLASS WITH WIDE STYLE (ALUMINUM STOREFRONT)



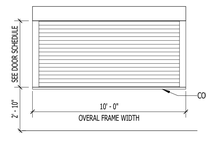
DOOR TYPE F2
FLUSH



DOOR TYPE FG12
FLUSH WITH FULL GLASS AND INTERMEDIATE RAIL



DOOR TYPE GWS2
FULL GLASS WITH WIDE STYLE (STOREFRONT)



DOOR TYPE OHD
OVERHEAD COUNTER SHUTTER W/ WOODEN SLATS
BASIS OF DESIGN: ALPINE OVERHEAD DOORS WOODEN COUNTER SHUTTER

DOOR SCHEDULE

NUMBER	ROOM	DOOR PANEL	PANEL SIZE					DOOR FRAME			DOOR DETAIL			FIRE RATING (MIN)	HW SET	CARD READER	COMMENTS
		PANEL TYPE	WIDTH	HEIGHT	THICKNESS	PANEL MATERIAL	PANEL FINISH	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	HEAD	JAMB	SILL				
01A	VESTIBULE	GWS2	6' - 0"	7' - 0"	1 3/4"	ALUM/GLASS	DARK BRONZE	SF-13	ALUM	DARK BRONZE	DH1	DJ1	DS1		19	Yes	
01B	LOBBY/ PRE-FUNCTION	GWS2	6' - 0"	7' - 0"	1 3/4"	ALUM/GLASS	DARK BRONZE	ISF-1	ALUM	DARK BRONZE	DH1	DJ1			18	Yes	
03A	LOBBY/ PRE-FUNCTION	GWS	3' - 0"	7' - 0"	1 3/4"	ALUM/GLASS	DARK BRONZE	ISF-3	ALUM	DARK BRONZE	DH5	DJ4			21	Yes	
03B	EDUCATIONAL ASSISTANCE	F	3' - 0"	7' - 0"	1 3/4"	HM	PAINTED	F1	HM	PAINTED	DH3	DJ3/DJ4	DS2		11	Yes	
04	ADMIN/RECEPTION	GWS	3' - 0"	7' - 0"	1 3/4"	ALUM/GLASS	DARK BRONZE	ISF-4	ALUM	DARK BRONZE	DH5	DJ6			02		
05	OFFICE	GWS	3' - 0"	7' - 0"	1 3/4"	ALUM/GLASS	DARK BRONZE	ISF-4	ALUM	DARK BRONZE	DH5	DJ6			02		
06	OFFICE	GWS	3' - 0"	7' - 0"	1 3/4"	ALUM/GLASS	DARK BRONZE	ISF-4	ALUM	DARK BRONZE	DH5	DJ6			02		
07	OFFICE	GWS	3' - 0"	7' - 0"	1 3/4"	ALUM/GLASS	DARK BRONZE	ISF-4	ALUM	DARK BRONZE	DH5	DJ6			02		
08	EDUCATIONAL ASSISTANCE	GWS	3' - 0"	7' - 0"	1 3/4"	ALUM/GLASS	DARK BRONZE	ISF-4	ALUM	DARK BRONZE	DH5	DJ6			02		
09	EDUCATIONAL ASSISTANCE	GWS	3' - 0"	7' - 0"	1 3/4"	ALUM/GLASS	DARK BRONZE	ISF-4	ALUM	DARK BRONZE	DH5	DJ6			02		
10	EDUCATIONAL ASSISTANCE	GWS	3' - 0"	7' - 0"	1 3/4"	ALUM/GLASS	DARK BRONZE	ISF-4	ALUM	DARK BRONZE	DH5	DJ6			02		
11	EDUCATIONAL ASSISTANCE	GWS	3' - 0"	7' - 0"	1 3/4"	ALUM/GLASS	DARK BRONZE	F2	ALUM	DARK BRONZE	DH5	DJ6		45	02		
12	EDUCATIONAL ASSISTANCE	GWS	3' - 0"	7' - 0"	1 3/4"	ALUM/GLASS	DARK BRONZE	ISF-4	ALUM	DARK BRONZE	DH5	DJ6			02		
13	COATS	F	3' - 0"	7' - 0"	1 3/4"	WD	STAINED	F1	HM	PAINTED	DH6	DJ8			03		
14	STUDY	FG	3' - 0"	7' - 0"	1 3/4"	WD	STAINED	F1	HM	PAINTED	DH6	DJ8			01		
15A	COMPUTER LAB	FG12	6' - 0"	7' - 0"	1 3/4"	WD	STAINED	F1	HM	PAINTED	DH6	DJ8			14		
15B	COMPUTER LAB	GWS	3' - 0"	7' - 0"	1 3/4"	ALUM/GLASS	DARK BRONZE	SF-12	ALUM	DARK BRONZE	DH1	DJ1/DJ2	DS1		09		
15C	COMPUTER LAB	GWS	3' - 0"	7' - 0"	1 3/4"	ALUM/GLASS	DARK BRONZE	SF-14	ALUM	DARK BRONZE	DH1	DJ1/DJ2	DS1		09		
16A	BREAK ROOM	GWS	3' - 0"	7' - 0"	1 3/4"	ALUM/GLASS	DARK BRONZE	ISF-6	ALUM	DARK BRONZE	DH5	DJ6			06		
16B	COMPUTER LAB	GWS	3' - 0"	7' - 0"	1 3/4"	ALUM/GLASS	DARK BRONZE	ISF-6	ALUM	DARK BRONZE	DH5	DJ6			06		
17	ELECTRICAL	L	3' - 0"	7' - 0"	1 3/4"	WD	STAINED	F1	HM	PAINTED	DH6	DJ8			13		
18	MEP	F	3' - 0"	7' - 0"	1 3/4"	HM	PAINTED	F3	HM	PAINTED	DH2	DJ2			11	Yes	
19A	HALLWAY	GWS2	6' - 0"	7' - 0"	1 3/4"	ALUM/GLASS	DARK BRONZE	SF-15	ALUM	DARK BRONZE	DH1	DJ5	DS1		15		
19B	HALLWAY	GWS2	6' - 0"	7' - 0"	1 3/4"	ALUM/GLASS	DARK BRONZE	SF-15	ALUM	DARK BRONZE	DH1	DJ5	DS1		15		
20	JANITOR	F	3' - 0"	7' - 0"	1 3/4"	WD	STAINED	F1	HM	PAINTED	DH6	DJ8			08		
21	WOMEN'S	F	3' - 0"	7' - 0"	1 3/4"	WD	STAINED	F1	HM	PAINTED	DH6	DJ8			23		
22	MEN'S	F	3' - 0"	7' - 0"	1 3/4"	WD	STAINED	F1	HM	PAINTED	DH6	DJ8			23		
23A	KITCHEN	F	3' - 0"	7' - 0"	1 3/4"	WD	STAINED	F1	HM	PAINTED	DH6	DJ8			07		
23B	KITCHEN	F	3' - 0"	7' - 0"	1 3/4"	WD	STAINED	F1	HM	PAINTED	DH6	DJ8			07		
23C	KITCHEN	F	4' - 0"	7' - 0"	1 3/4"	HM	PAINTED	F3	HM	PAINTED	DH2	DJ3	DS2		12	Yes	
25A	HALLWAY	GWS2	6' - 0"	7' - 0"	1 3/4"	ALUM/GLASS	DARK BRONZE	ISF-7	ALUM	DARK BRONZE	DH4	DJ7			16		
25B	HALLWAY	GWS2	6' - 0"	7' - 0"	1 3/4"	ALUM/GLASS	DARK BRONZE	SF-17	ALUM	DARK BRONZE	DH1	DJ5	DS1		17	Yes	
26A	CRAFT ROOM 1	GWS	3' - 0"	7' - 0"	1 3/4"	ALUM/GLASS	DARK BRONZE	ISF-8	ALUM	DARK BRONZE	DH4	DJ6			20		
26B	CRAFT ROOM 1	GWS	3' - 0"	7' - 0"	1 3/4"	ALUM/GLASS	DARK BRONZE	SF-22	ALUM	DARK BRONZE	DH1	DJ1/DJ2	DS1		09		
27A	CRAFT ROOM 2	GWS	3' - 0"	7' - 0"	1 3/4"	ALUM/GLASS	DARK BRONZE	ISF-8	ALUM	DARK BRONZE	DH4	DJ6			20		
27B	CRAFT ROOM 2	GWS	3' - 0"	7' - 0"	1 3/4"	ALUM/GLASS	DARK BRONZE	SF-21	ALUM	DARK BRONZE	DH1	DJ1/DJ2	DS1		09		
28A	CLASSROOM	FG12	6' - 0"	7' - 0"	1 3/4"	WD	STAINED	F1	HM	PAINTED	DH6	DJ8			14		
28B	CLASSROOM	GWS2	6' - 0"	7' - 0"	1 3/4"	ALUM/GLASS	DARK BRONZE	SF-10	ALUM	DARK BRONZE	DH1	DJ1/DJ2			15		
29A	CLASSROOM	FG12	6' - 0"	7' - 0"	1 3/4"	WD	STAINED	F1	HM	PAINTED	DH6	DJ8			14		
29B	CLASSROOM	GWS2	6' - 0"	7' - 0"	1 3/4"	ALUM/GLASS	DARK BRONZE	SF-18	ALUM	DARK BRONZE	DH1	DJ1/DJ2	DS1		15		
30	STORAGE	F2	6' - 0"	7' - 0"	1 3/4"	WD	STAINED	F1	HM	PAINTED	DH6	DJ8		45	05		
31	AV CLOSET	F	3' - 0"	7' - 0"	1 3/4"	WD	STAINED	F1	HM	PAINTED	DH6	DJ8			10	Yes	
32	STORAGE	F2	6' - 0"	7' - 0"	1 3/4"	WD	STAINED	F1	HM	PAINTED	DH6	DJ8		45	04		
34	KITCHEN	OHD	9' - 2"	4' - 4"	1/4"	MANUF.	MANUF.	MANUF.	MANUF.	MANUF.	6/A16.05	5/A16.05	4/A16.05				OVERALL FRAME WIDTH SHALL BE 10'-0"

DOOR & FRAME NOTES:
1. ALL WOOD DOORS TO BE FACTORY FINISHED. SEE INTERIORS FOR FINISH INFORMATION.
2. ALL GLAZING IN DOORS TO BE TEMPERED GLASS.
3. SEE STOREFRONT ELEVATIONS FOR STOREFRONT DOOR FRAMES.
4. FOR ALL INTERIOR DOOR SILL CONDITIONS, SEE SHEET A16.01, TYP.
5. SEE INTERIOR FINISHES FOR HM DOOR AND FRAME FINISHES AND OVERHEAD DOOR FINISHES.

DH1 DTL_DOOR_EXT. SF_HEAD
3" = 1'-0"

DH2 DTL_DOOR_EXT. HM_HEAD_CR
3" = 1'-0"

DH3 DTL_DOOR_EXT. HM_HEAD
3" = 1'-0"

DH4 DTL_DOOR_INT. SF_HEAD TRANSOM
3" = 1'-0"

DH5 DTL_DOOR_INT. SF_HEAD
3" = 1'-0"

DH6 DTL_DOOR_INT. HM_HEAD
3" = 1'-0"

DJ1 DTL_DOOR_EXT. SF_JAMB
3" = 1'-0"

DJ2 DTL_DOOR_EXT. SF_JAMB MP
3" = 1'-0"

DJ3 DTL_DOOR_EXT. HM_JAMB_CR
3" = 1'-0"

DJ4 DTL_DOOR_EXT. HM_JAMB
3" = 1'-0"

DJ5 DTL_DOOR_EXT. SF_JAMB SF
3" = 1'-0"

DJ6 DTL_DOOR_INT. SF_JAMB END
3" = 1'-0"

DJ7 DTL_DOOR_INT. SF_JAMB SF
3" = 1'-0"

DJ8 DTL_DOOR_INT. HM_JAMB
3" = 1'-0"

DS1 DTL_DOOR_EXT. SF_SILL
3" = 1'-0"

DS2 DTL_DOOR_EXT. HM_SILL_CR
3" = 1'-0"

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COUSHATTA TRIBE OF LOUISIANA

COUSHATTA TRIBE - EDUCATION BUILDING

1950 CC BEL RD
ELTON, LA 70532

Issue:	No:	Date:
BID SET		2025.12.05

DOOR SCHEDULES & TYPICAL DETAILS

ROBERT J SULLIVAN
REG. NO. 10036
STATE OF LOUISIANA
REGISTERED ARCHITECT
12/09/2025

Proj #: 24.0002607.000 Reviewed By:

A17.11

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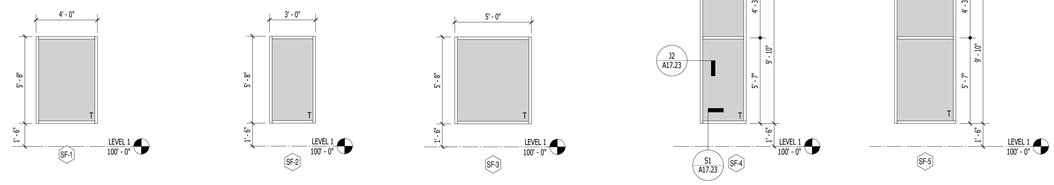
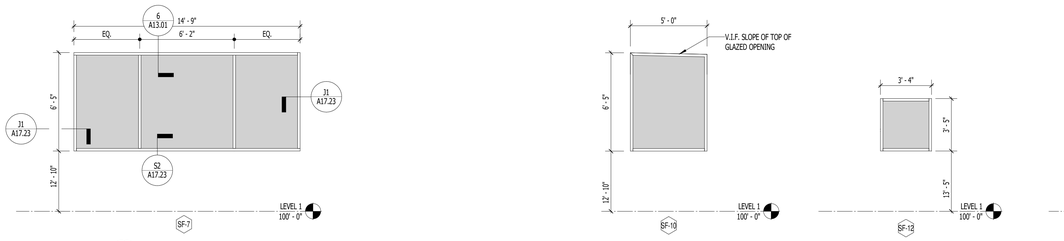
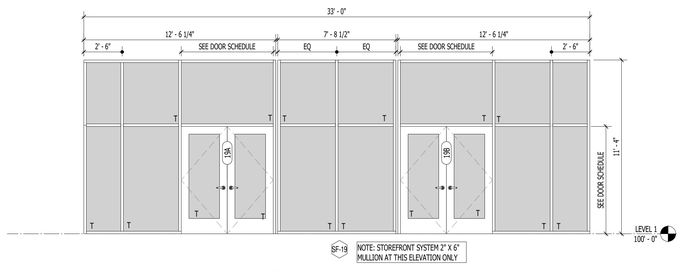
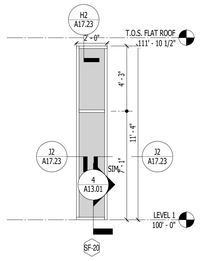


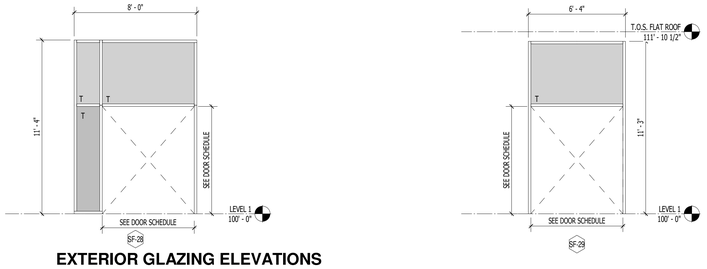


EXTERIOR GLAZING ELEVATIONS

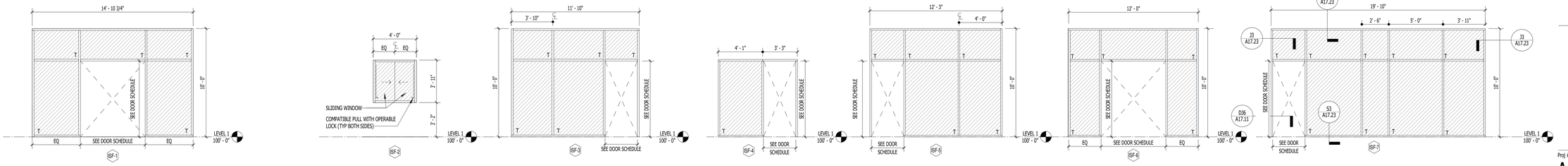




EXTERIOR GLAZING ELEVATIONS



EXTERIOR GLAZING ELEVATIONS



INTERIOR GLAZING ELEVATIONS

GLAZING - GENERAL LEGEND

SF - STOREFRONT BASIS OF DESIGN : KAWNEER TRIFAB 451T - CENTER SET (2" X 4 1/2" DEPTH)

1. ALL EXTERIOR WINDOWS TO BE GL-1, UNO.
2. ALL INTERIOR WINDOWS TO BE GL-2, UNO.
3. CONTRACTOR TO REFERENCE A8.01 FOR TYPICAL PLAN DETAILS @ TYPICAL MASONRY & LINTEL CONDITIONS (ESPECIALLY AT WINDOWS)

GL-1	**1" GUARDIAN SUNGUARD SNX 62/27 LOW-E INSULATED GLAZING** **OUTBOARD LITE:** CLEAR; HEAT STRENGTHENED FLOAT GLASS; 1/4" THICK; SUNGUARD SNX 62/27 COATING ON #2 SURFACE AIR SPACE 1/2" **INBOARD LITE:** CLEAR; HEAT STRENGTHENED FLOAT GLASS; 1/4" THICK **SHGC**: 0.26 **VLT:** 62%
GL-2	**1/2" MONOLITHIC CLEAR GLASS** *SAFETY GLAZING AT INTERIOR GLAZED DOORS AND SIDELIGHTS

NOTE:
ALL SAFETY GLAZING LOCATIONS TYP PER IBC 2406.4.2 - CONTRACTOR TO NOTIFY ARCHITECT IN LIEU OF DISCREPANCIES. ALL GLAZING TO BE TEMPERED, 'T.'

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COUSHATTA TRIBE OF LOUISIANA

COUSHATTA TRIBE - EDUCATION BUILDING

1950 CC BEL RD
ELTON, LA 70532

Issue:	No:	Date:
BID SET		2025.12.05

GLAZING SCHEDULE

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

ROBERT J SULLIVAN
REG. NO. 39699
STATE OF LOUISIANA
REGISTERED ARCHITECT
12/09/2025

Proj #: 24.0002607.000 Reviewed By:

A17.21

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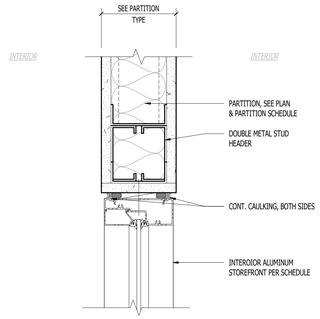
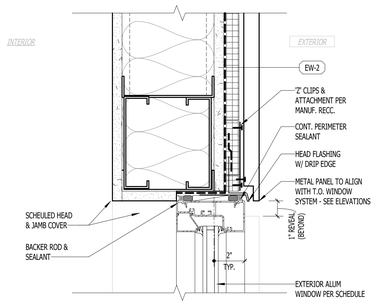
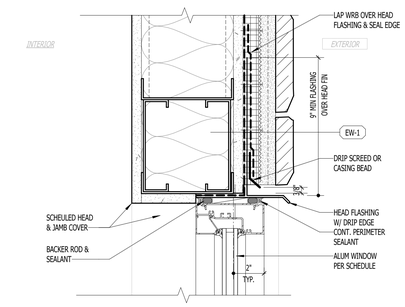


H3 INT. STOREFRONT HEAD DETAIL, TYP.
3" = 1'-0"



H2 EXT. WINDOW HEADER @ EW-2 METAL PANEL WALL SYSTEM, TYP.
3" = 1'-0"



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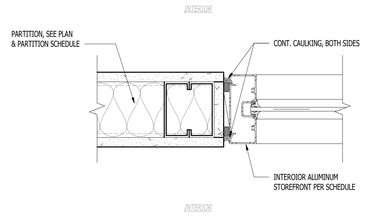
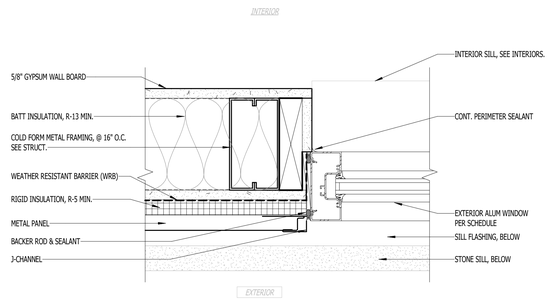
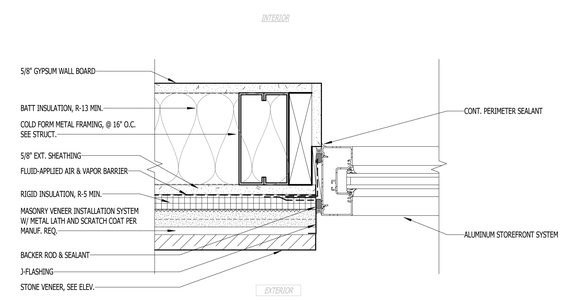
3" = 1'-0"



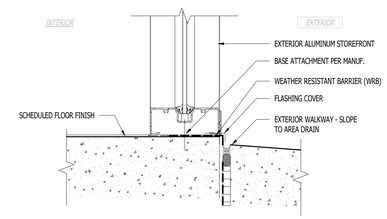
J3 INT. STOREFRONT JAMB DETAIL, TYP.
3" = 1'-0"



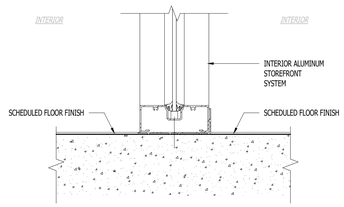
J2 EXT. WINDOW JAMB @ EW-2 METAL PANEL WALL SYSTEM, TYP.
3" = 1'-0"



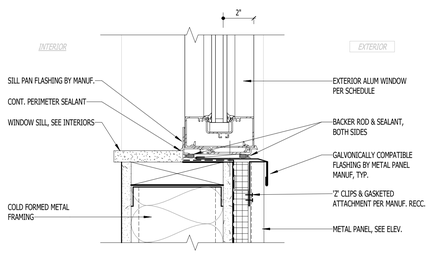
J1 EXT. WINDOW JAMB @ EW-1 STONE WALL SYSTEM, TYP.
3" = 1'-0"



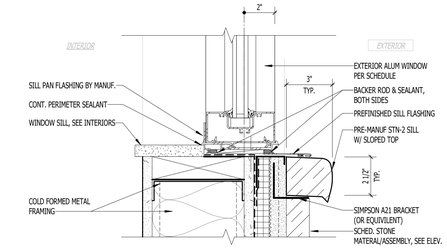
S4 EXT. STOREFRONT SILL DETAIL, TYP.
3" = 1'-0"



S3 INT. STOREFRONT SILL DETAIL, TYP.
3" = 1'-0"



S2 EXT. WINDOW SILL DETAIL @ EW-2 METAL PANEL WALL SYSTEM, TYP.
3" = 1'-0"



S1 EXT. WINDOW SILL DETAIL @ EW-1 STONE WALL SYSTEM, TYP.
3" = 1'-0"

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COUSHATTA TRIBE OF LOUISIANA

COUSHATTA TRIBE - EDUCATION BUILDING

1950 CC BEL RD
ELTON, LA 70532

Issue:	No:	Date:
BID SET		2025.12.05

GLAZING DETAILS, TYP.

ROBERT J SULLIVAN
REG. NO. 10599
STATE OF LOUISIANA
REGISTERED ARCHITECT
12/09/2025

Proj #: 24.0002607.000 Reviewed By:

A17.23

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THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT PLOTTED ORIGINAL PAGE SIZE

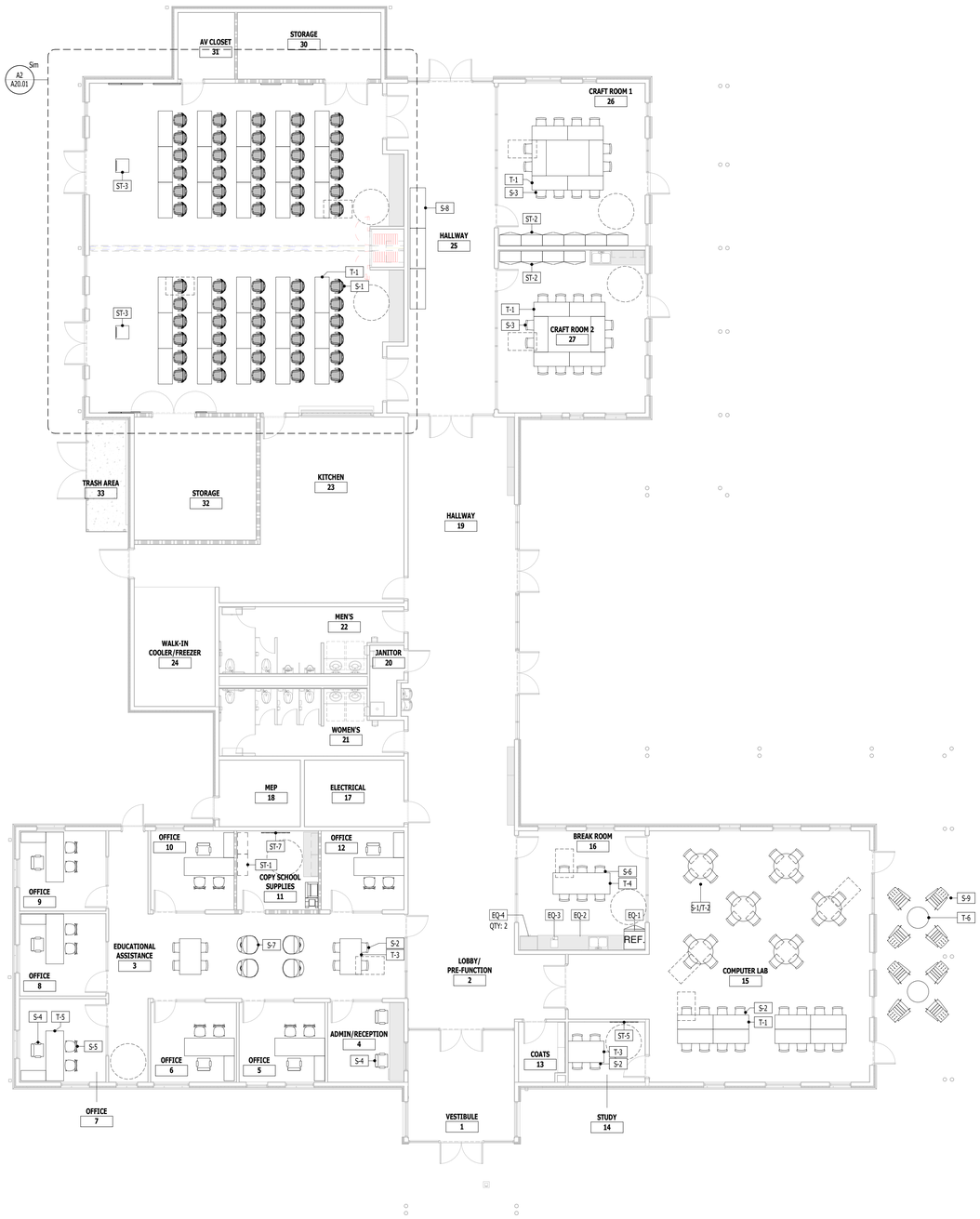
THE SQUARES ABOVE ARE COLOR WITH BLACK AND WHITE LETTERS, IF PLOTTED CORRECTLY

EQUIPMENT SCHEDULE

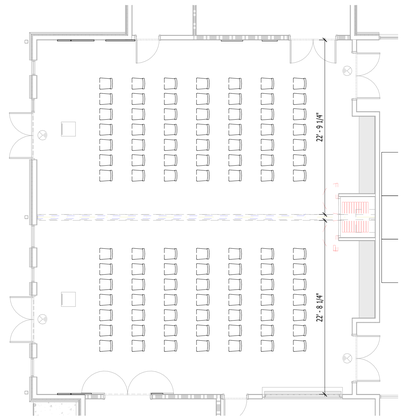
CODE	DESCRIPTION	MANUFACTURER	MODEL	COMMENTS
EQ-1	REFRIGERATOR - ENERGY STAR 20.6 CU.FT. FRENCH-DOOR REFRIGERATOR	GE APPLIANCES	GYE21JYMFS	--
EQ-2	DISHWASHER - ADA COMPLIANT STAINLESS STEEL INTERIOR DISHWASHER WITH SANITIZE CYCLE	GE APPLIANCES	GDT225SSLSS	--
EQ-3	COFFEE MAKER - K-SUPREME SINGLE SERVE	KEURIG	--	--
EQ-4	MICROWAVE - 2.2 CU. FT. COUNTERTOP SENSOR MICROWAVE OVEN	GE APPLIANCES	PCST22J1WSS	--

FURNITURE & EQUIPMENT PLAN GENERAL NOTES

1. FURNITURE TO BE PROVIDED AND INSTALLED BY OWNER'S VENDOR, UNLESS NOTED OTHERWISE. CONTACT KATIE LANGUB, 678-533-3201, KLANGUB@NELSONNW.COM FOR COORDINATION.
2. RESIDENTIAL APPLIANCES TO BE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR, SEE EQUIPMENT SCHEDULE FOR MORE INFORMATION.
3. FURNITURE BUDGET IS INCLUDED IN TOTAL CONSTRUCTION COST. AT TIME OF 100% CONSTRUCTION DOCUMENTS ISSUANCE, APRIL 04, 2025, **ESTIMATED FURNITURE BUDGET IS $485,000.**
4. POWER AND PLUMBING, IF ANY, ASSOCIATED WITH ALL FF&E AND AS INDICATED IN CONSTRUCTION DOCUMENTS IS THE RESPONSIBILITY OF THE CONSTRUCTION PROFESSIONAL.
5. FF&E PACKAGE DOES NOT INCLUDE OFFICE ITEMS INCLUDING, BUT NOT LIMITED TO, COMPUTERS, PHONES, COPY/PRINT MACHINES.



A1 A20.01 FURNITURE & EQUIPMENT PLAN - OVERALL
1/8" = 1'-0"



A2 A20.01 PARTIAL FURNITURE PLAN - 28 CLASSROOM - LAYOUT 2
1/8" = 1'-0"

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COUSHATTA TRIBE OF LOUISIANA

COUSHATTA TRIBE - EDUCATION BUILDING

1950 CC BEL RD
ELTON, LA 70532

Issue:	No:	Date:
BID SET		2025.12.05

FURNITURE & EQUIPMENT PLAN- LEVEL 1

ROBERT J SULLIVAN
REG. NO. 10084
STATE OF LOUISIANA
REGISTERED ARCHITECT
12/09/2025

TRUE & PROJECT NORTH

Proj #: 24.0002607.000 Reviewed By:

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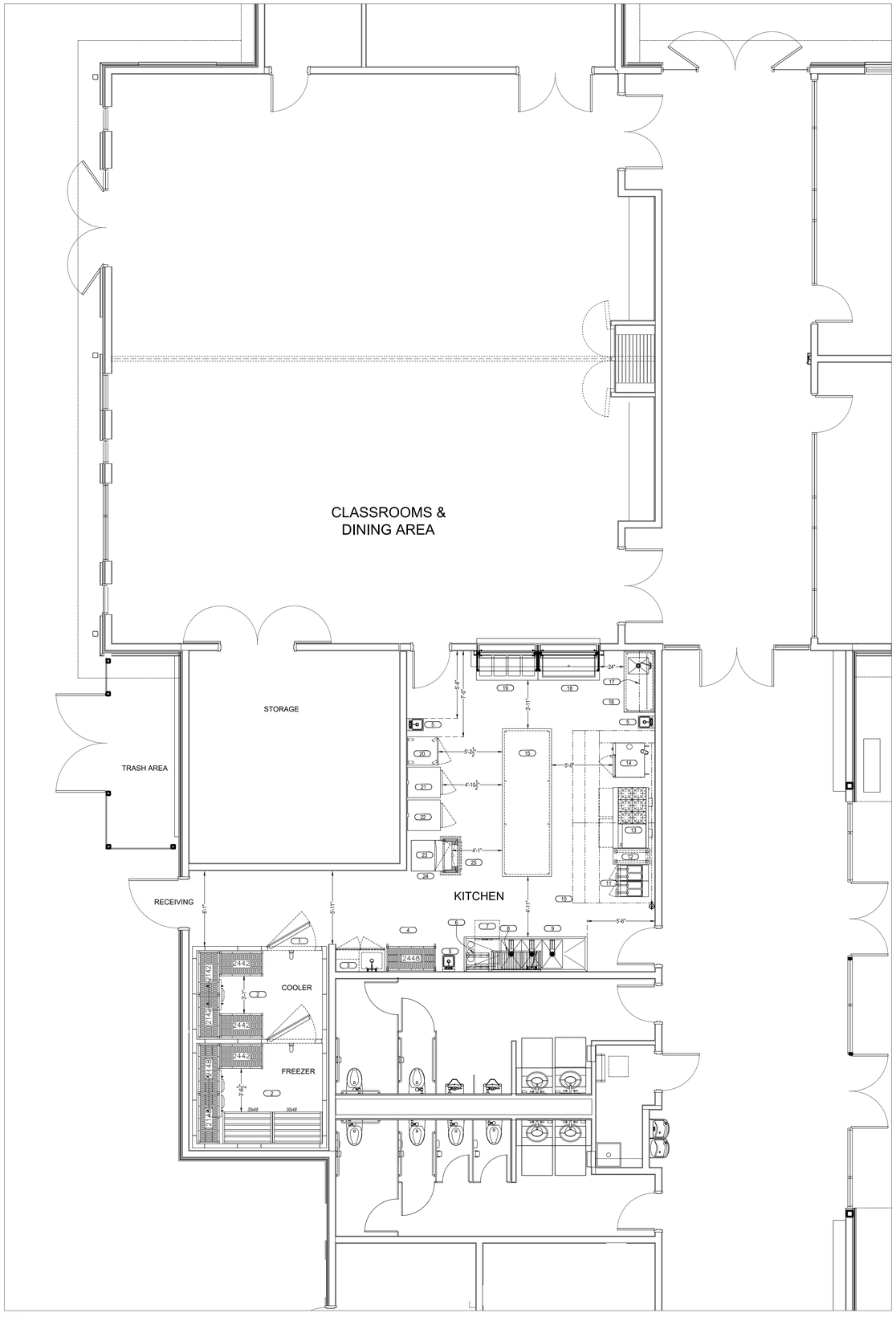
12/10/2025 5:27:21 PM Autodesk Docs://Coushatta Education Building/ARCH-Coushatta-.rvt



1 FS100 FOODSERVICE FLOOR PLAN
1/4" = 1'-0"

EQUIPMENT SCHEDULE

Item No	Qty	Equipment Description	Manufacturer	Model Number	Equipment Remarks
1	1	Walkin Cooler-Freezer	AmeriKooler	Custom	–
2	Lot	Cooler-Freezer Shelving	Per Specifications	Per Specifications	–
3	1	Mop Sink Storage Cabinet	Advance Tabco	9-OPC-84DL	–
4	1	24" x 48" Mobile Shelf Unit	Cambro	CPMU244875V4480	Clean Wares Storage
5	3	Hand Sink, Wall Mount	Advance Tabco	7-PS-22	"Space Saver" Style
6	1	(1) Rack Sorting Shelf	Advance Tabco	DT-6R-21	–
7	1	Warewasher, Undercounter, High Temperature	Hobart US Foodservice	LXNR	–
8	1	48" Wall Mt. T-Bar Shelf	New Age Industrial	1122PR	Clean Wares Storage
9	1	(3)-Comp. Pot Sink	Advance Tabco	FC-3-2028-24RL	–
10	1	13' Exhaust Hood Package	Accurex	Custom	–
11	2	Fryer, Deep Fat, Electric	Imperial Range	IFS-40-E	–
12	1	15" x 36" Filler Table	Advance Tabco	TFMS-153	–
13	1	60" Gas Restaurant Range	Garland	G60-6G24CC	(6) Burner, 24" Griddle
14	1	Electric Combi Oven	RATIONAL USA	ICOMBI PRO 6-HALF SIZE DBL.	Dbl. Stack
15	1	12' x 48" S/S Worktable	Advance Tabco	SS-4812	–
16	1	5' x 30" S/S Prep Table	Custom	Custom	With Prep Sink Right
17	1	5' x 15" S/S Wall Shelf	Advance Tabco	PS-15-60	With Utensil Rail
18	1	4-Pan Cold Food Counter	Vollrath	37066	–
19	1	(4)-Well Hot Food Counter	Vollrath	37040	–
20	1	Holding Cabinet, Humidified Heated	F.W.E.	PHTT-12	–
21	1	Refrigerator, Reach-In	Traulsen	G10010	–
22	1	Freezer, Reach-In	Traulsen	G12010	–
23	1	Ice Maker	Manitowoc Ice	IDT0750A	–
24	1	Ice Bin (700lb)	Follett	SG700S-30	–
25	1	18" x 36" Floor Trough	IMC/Teddy	SFT-1836-SG	–

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COUSHATTA TRIBE OF LOUISIANA

COUSHATTA TRIBE - EDUCATION BUILDING

1950 CC BEL
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Issue:	No:	Date:
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FOODSERVICE FLOOR PLAN

Foodservice Design By:
Moynan Consulting, LLC
Foodservice Facility Design & Planning
Mandeville-New Orleans, Louisiana
Phone/FAX: (985) 674-5710
Cell: (985) 264-6121
www.moynanconsulting.com

TRUE & PROJECT NORTH

Proj #: 24.0002607.000 Reviewed By:

FS100

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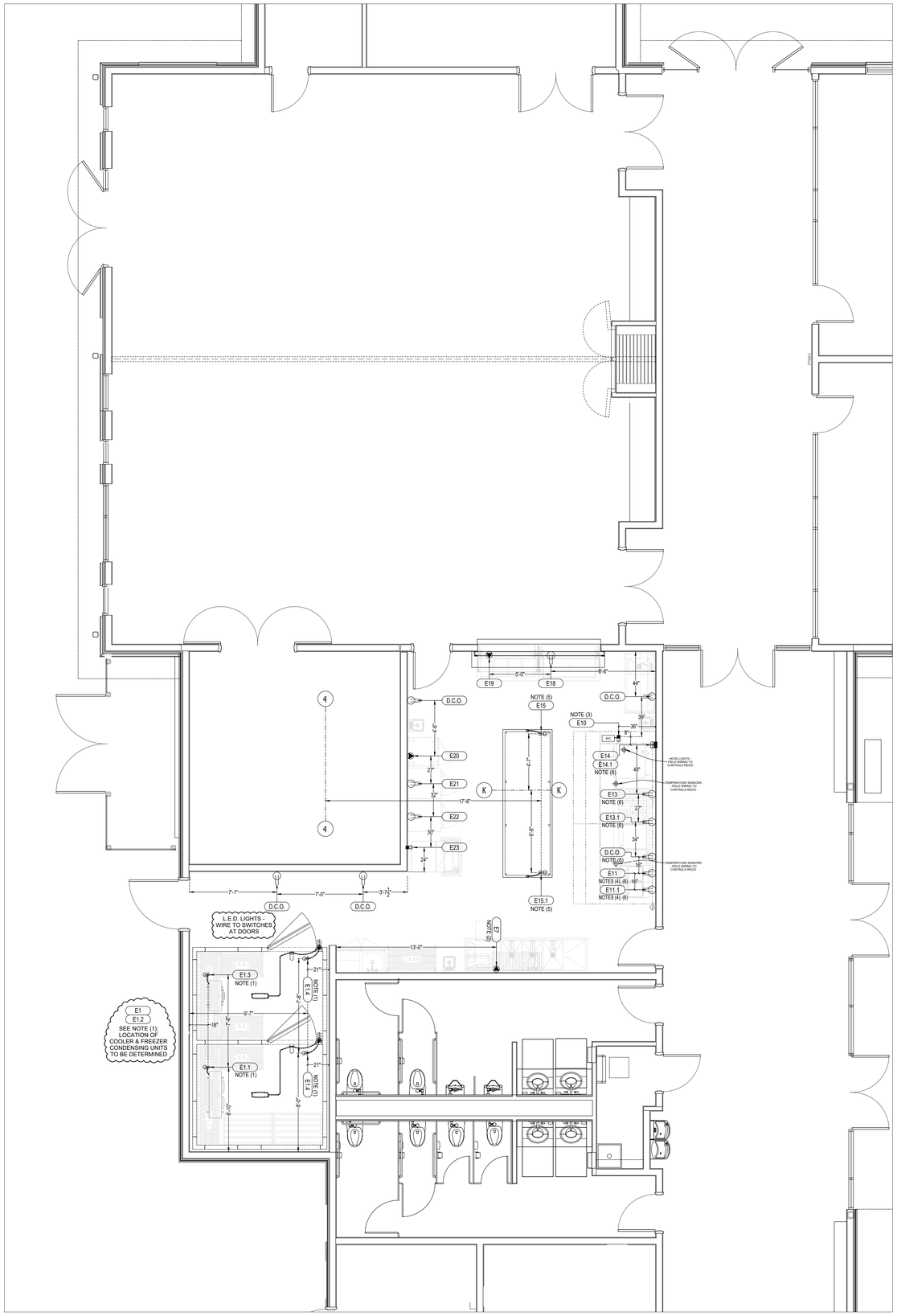

1 FS101 FOODSERVICE ELECTRICAL PLAN
1/4" = 1'-0"

ELECTRICAL SCHEDULE

Item No	Qty	Equipment Description	Manufacturer	Model Number	Amps	KW	HP	Volts	Phase	Cycle	Hardwire Conn.	Cord/Plug	NEMA Plug No.	Electrical Load (VA)	Elec Remarks
1	1	Walkin Cooler-Freezer	AmeriKooler	Freezer Condensing Unit	28.8	–	3.0	208	3	60	X	–	–	TBD	(E1); NOTE (1)
–	–	–	–	Frz. Coils/Fans/Defrost Htr.	10.1	2.2	–	208	1	60	X	–	–	DFA	(E1.1); NOTE (1)
–	–	–	–	Cooler Condensing Unit	15.0	–	3/4	208	3	60	X	–	–	TBD	(E1.2); NOTE (1)
–	–	–	–	Cooler Coils/Fans	0.9	–	–	120	1	60	X	–	–	DFA	(E1.3); NOTE (1)
–	–	–	–	Lights/Door & PVT Heaters	15.0	–	–	120	1	60	X	–	–	DFA	(E1.4); NOTE (1)
2	Lot	Cooler-Freezer Shelving	Per Specifications	Per Specifications	–	–	–	–	–	–	–	–	–	–	–
3	1	Mop Sink Storage Cabinet	Advance Tabco	9-OPC-84DL	–	–	–	–	–	–	–	–	–	–	–
4	1	24" x 48" Mobile Shelf Unit	Cambro	CPMU244875V4480	–	–	–	–	–	–	–	–	–	–	–
5	3	Hand Sink, Wall Mount	Advance Tabco	7-PS-22	–	–	–	–	–	–	–	–	–	–	–
6	1	(1) Rack Sorting Shelf	Advance Tabco	DT-6R-21	–	–	–	–	–	–	–	–	–	–	–
7	1	Warewasher, Undercounter, High Temperature	Hobart US Foodservice	LXNR	34.0	6.7	1	120/208	1	60	–	X	14-50P	24	(E7); NOTE (2)
8	1	48" Wall Mt. T-Bar Shelf	New Age Industrial	1122PR	–	–	–	–	–	–	–	–	–	–	–
9	1	(3)-Comp. Pot Sink	Advance Tabco	FC-3-2028-24RL	–	–	–	–	–	–	–	–	–	–	–
10	1	13" Exhaust Hood Package	Accurex	Exhaust Fan	7.5	–	2	208	3	60	X	–	–	ROOF	(E10); NOTE (3)
–	–	–	–	Supply Fan	6.5	–	1	208	3	60	X	–	–	ROOF	(E10); NOTE (3)
–	–	–	–	Hood Lights/Controls	20.0	–	–	120	1	60	X	–	–	DFA	(E10); NOTE (3)
11	2	Fryer, Deep Fat, Electric	Imperial Range	IFS-40-E	39.0	14.0	–	208	3	60	–	X	15-60P	24	(E11), (E11.1); NOTE (4)
12	1	15" x 36" Filler Table	Advance Tabco	TFMS-153	–	–	–	–	–	–	–	–	–	–	–
13	1	60" Gas Restaurant Range	Garland	G60-6G24CC (Oven Fans)	3.4	–	1/3	120	1	60	–	X	5-15P	18	(E13)
–	–	–	–	G60-6G24CC (Oven Fans)	3.4	–	1/3	120	1	60	–	X	5-15P	18	(E13.1)
14	1	Electric Combi Oven	RATIONAL USA	ICOMBI PRO 6-HALF (Lower)	30.0	10.8	–	208	3	60	X	–	–	24	(E14)
–	–	–	–	ICOMBI PRO 6-HALF (Upper)	30.0	10.8	–	208	3	60	X	–	–	48	(E14.1)
15	1	12' x 48" S/S Worktable	Advance Tabco	SS-4812	20.0	–	–	120	1	60	X	–	–	FLOOR	(E15); NOTE (5)
–	–	–	–	–	20.0	–	–	120	1	60	X	–	–	FLOOR	(E15.1); NOTE (5)
16	1	5' x 30" S/S Prep Table	Custom	Custom	–	–	–	–	–	–	–	–	–	–	–
17	1	5' x 15" S/S Wall Shelf	Advance Tabco	PS-15-60	–	–	–	–	–	–	–	–	–	–	–
18	1	4-Pan Cold Food Counter	Vollrath	37066	7.8	–	1/5	120	1	60	–	X	5-15P	24	(E18)
19	1	(4)-Well Hot Food Counter	Vollrath	37040	12.1	2.5	–	208	1	60	–	X	6-15P	24	(E19)
20	1	Holding Cabinet, Humidified Heated	F.W.E.	PHT-12	18.3	2.2	–	120	1	60	–	X	5-20P	48	(E20)
21	1	Refrigerator, Reach-In	Traulsen	G10010	3.8	–	1/4	120	1	60	–	X	5-15P	78	(E21)
22	1	Freezer, Reach-In	Traulsen	G12010	6.5	–	1/2	120	1	60	–	X	5-15P	78	(E22)
23	1	Ice Maker	Manitowoc Ice	IDT0750A	11.1	–	–	208	1	60	X	–	–	82	(E23)
24	1	Ice Bin (700lb)	Follett	SG700S-30	–	–	–	–	–	–	–	–	–	–	–
25	1	18" x 36" Floor Trough	IMC/Teddy	SFT-1836-SG	–	–	–	–	–	–	–	–	–	–	–

D.C.O. / ⏚ = NEMA #5-15R DUPLEX CONVENIENCE OUTLET (120-V/1-Ø/60-HZ), LOCATED 48" A.F.F. UNLESS OTHERWISE NOTED

NOTE (1): REFER TO COOLER/FREEZER SHOP DRAWINGS FOR ADDITIONAL DETAILS. SUPPLY DISCONNECT BOXES AT CONDENSING UNITS AND FEED ELECTRICAL FOR EVAP. COILS FROM ABOVE CABINET WHERE SHOWN. WIRE L.E.D. LIGHTS (SUPPLIED AND MOUNTED INSIDE COMPARTMENTS BY KITCHEN EQUIPMENT CONTRACTOR) BACK TO VAPORPROOF LIGHT FIXTURE AT COMPARTMENT DOORS AND TIE IN WIRING. ALL INTERIOR WIRING TO BE IN ANACONDA "SEALTITE" TYPE UA LIQUID-TIGHT FLEXIBLE METAL CONDUIT ("LFMC") OR EQUAL; DO NOT USE "E.M.T." CONDUIT. ALL CONDUIT PENETRATIONS THROUGH CABINET TO EXTERIOR MUST BE SEALED ON INTERIORS AFTER WIRES ARE ROUTED WITH EXPANDING FOAM AS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS TO PREVENT CONDENSATION.

NOTE (2): CIRCUIT REQUIRES THREE POWER WIRES WHICH INCLUDES A CURRENT CARRYING NEUTRAL, PLUS AN ADDITIONAL FOURTH WIRE MUST BE PROVIDED FOR MACHINE GROUND.

NOTE (3): REFER TO HOOD SHOP DRAWINGS AND WIRING DIAGRAM FOR ADDITIONAL DETAILS; RUN CONTROL WIRING FROM HOOD FRONT SWITCH PANEL TO ELECTRICAL CONTROL BOX FOR FANS AND TO FANS ON ROOFTOP.

NOTE (4): FRYERS ARE NOT SUPPLIED WITH CORDSET AND PLUG FROM FACTORY; FIELD INSTALL HEAVY DUTY CORDSET/PLUG NOTES WITH STRAIN RELIEF; SEE INSTALLATION MANUAL.

NOTE (5): STUB UP FROM FLOOR TO WEATHERPROOF JUNCTION BOXES, WIRE TO DUPLEX CONVENIENCE OUTLETS MOUNTED TO UNDERSIDE OF TOP AT EITHER END OF TABLE WITH ANACONDA "SEALTITE" TYPE UA LIQUID-TIGHT FLEXIBLE METAL CONDUIT ("LFMC") OR EQUAL; DO NOT USE "E.M.T." CONDUIT.

NOTE (6): ALL EQUIPMENT AND ELECTRICAL CIRCUITS UNDER HOOD TO BE WIRED THROUGH SHUNT TRIP BREAKERS

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
▦	ELECTRICAL CONNECTION (HARDWIRED)
◀	SINGLE RECEPTACLE
⇉	DUPLEX RECEPTACLE
J	JUNCTION BOX
S	LIGHT SWITCH
	LIGHT
	DISCONNECT BOX

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FOODSERVICE ELECTRICAL PLAN

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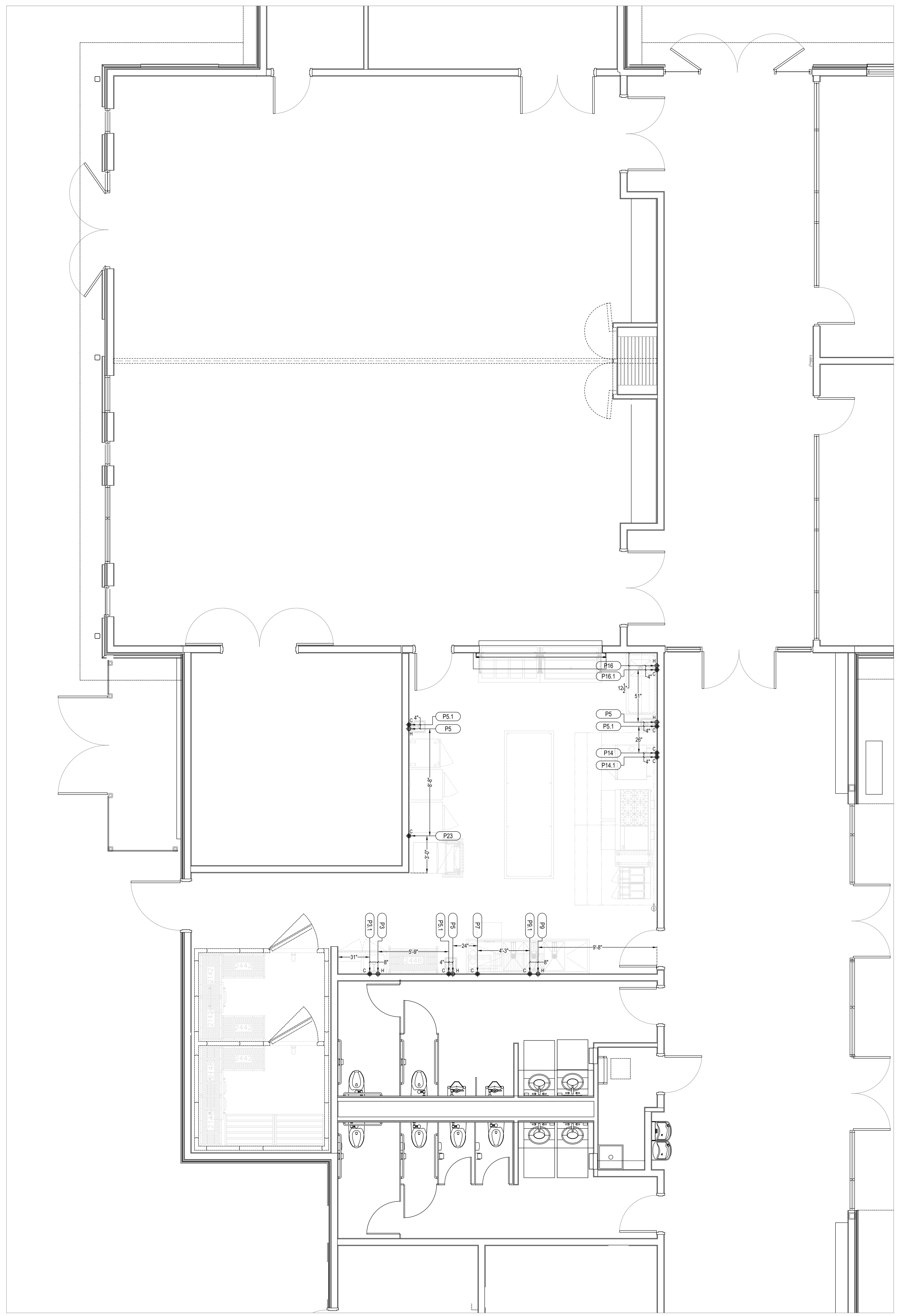

1 FS102 FOODSERVICE PLUMBING PLAN
1/4" = 1'-0"

PLUMBING SCHEDULE

Item No	Qty	Equipment Category	Manufacturer	Model Number	Cold Water Size (in)	Cold Water AFF (in)	Hot Water Size (in)	Hot Water AFF (in)	Plumbing Remarks
1	1	Walkin Cooler–Freezer	AmeriKooler	Custom	–	–	–	–	–
2	Lot	Cooler–Freezer Shelving	Per Specifications	Per Specifications	–	–	–	–	–
3	1	Mop Sink Storage Cabinet	Advance Tabco	9–OPC–84DL	1/2	36	1/2	36	(P3) HOT; (P3.1) COLD
4	1	24" x 48" Mobile Shelf Unit	Cambro	CPMU244875V4480	–	–	–	–	–
5	3	Hand Sink, Wall Mount	Advance Tabco	7–PS–22	1/2	12	1/2	12	(P5) HOT; (P5.1) COLD
6	1	(1) Rack Sorting Shelf	Advance Tabco	DT–6R–21	–	–	–	–	–
7	1	Warewasher, Undercounter, High Temperature	Hobart US Foodservice	LXNR	3/4	8	–	–	(P7) COLD; NOTE (1)
8	1	48" Wall Mt. T–Bar Shelf	New Age Industrial	1122PR	–	–	–	–	–
9	1	(3)–Comp. Pot Sink	Advance Tabco	FC–3–2028–24RL	1/2	12	1/2	12	(P9) HOT; (P9.1) COLD
10	1	13' Exhaust Hood Package	Accurex	Custom	–	–	–	–	–
11	2	Fryer, Deep Fat, Electric	Imperial Range	IFS–40–E	–	–	–	–	–
12	1	15" x 36" Filler Table	Advance Tabco	TFMS–153	–	–	–	–	–
13	1	60" Gas Restaurant Range	Garland	G60–6G24CC	–	–	–	–	–
14	1	Electric Combi Oven	RATIONAL USA	ICOMBI PRO 6–HALF (Lower)	3/4	36	–	–	(P14) COLD; NOTE (2)
–	–	–	–	ICOMBI PRO 6–HALF (Upper)	3/4	36	–	–	(P14.1) COLD; NOTE (2)
15	1	12' x 48" S/S Worktable	Advance Tabco	SS–4812	–	–	–	–	–
16	1	5' x 30" S/S Prep Table	Custom	Custom	1/2	12	1/2	12	(P16) HOT; (.P16.1) COLD
17	1	5' x 15" S/S Wall Shelf	Advance Tabco	PS–15–60	–	–	–	–	–
18	1	4–Pan Cold Food Counter	Vollrath	37066	–	–	–	–	–
19	1	(4)–Well Hot Food Counter	Vollrath	37040	–	–	–	–	–
20	1	Holding Cabinet, Humidified Heated	F.W.E.	PHTT–12	–	–	–	–	–
21	1	Refrigerator, Reach–In	Traulsen	G10010	–	–	–	–	–
22	1	Freezer, Reach–In	Traulsen	G12010	–	–	–	–	–
23	1	Ice Maker	Manitowoc Ice	IDT0750A	1/2	72	–	–	(P23) COLD; NOTE (3)
24	1	Ice Bin (700lb)	Follett	SG700S–30	–	–	–	–	–
25	1	18" x 36" Floor Trough	IMC/Teddy	SFT–1836–SG	–	–	–	–	–

NOTE: ALL CONNECTION POINTS TO BE SUPPLIED WITH RIGHT ANGLE STOPS AT HEIGHT ABOVE FINISHED FLOOR, PLUMBED TO RESPECTIVE FIXTURES UNLESS OTHERWISE NOTED

NOTE (1): 3/4" GARDEN HOSE STYLE CONNECTION; SEE INSTALL MANUAL. MINIMUM 55°F INCOMING COLD WATER SUPPLY.

NOTE (2): BUILDING WATER SUPPLY TO COMBI WATER FILTER AT CONNECTION POINT (P14); BRANCH OUTPUT FROM WATER FILTER TO COMBI GENERATOR INLET CONNECTIONS; SEE INSTALLATION MANUAL.

NOTE (3): BUILDING WATER SUPPLY TO ICEMAKER WATER FILTER; OUTPUT FROM WATER FILTER TO ICEMAKER HEAD ICE MAKING WATER INLET CONNECTION; SEE INSTALL MANUAL

PLUMBING & MECHANICAL LEGEND

SYMBOL	DESCRIPTION
	HOT WATER
	COLD WATER
	HUB DRAIN
	DIRECT WASTE CONN.
	FLOOR DRAIN
	FUNNEL FLOOR DRAIN
	FLOOR SINK
	GAS SUPPLY CONNECTION

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FOODSERVICE
PLUMBING PLAN

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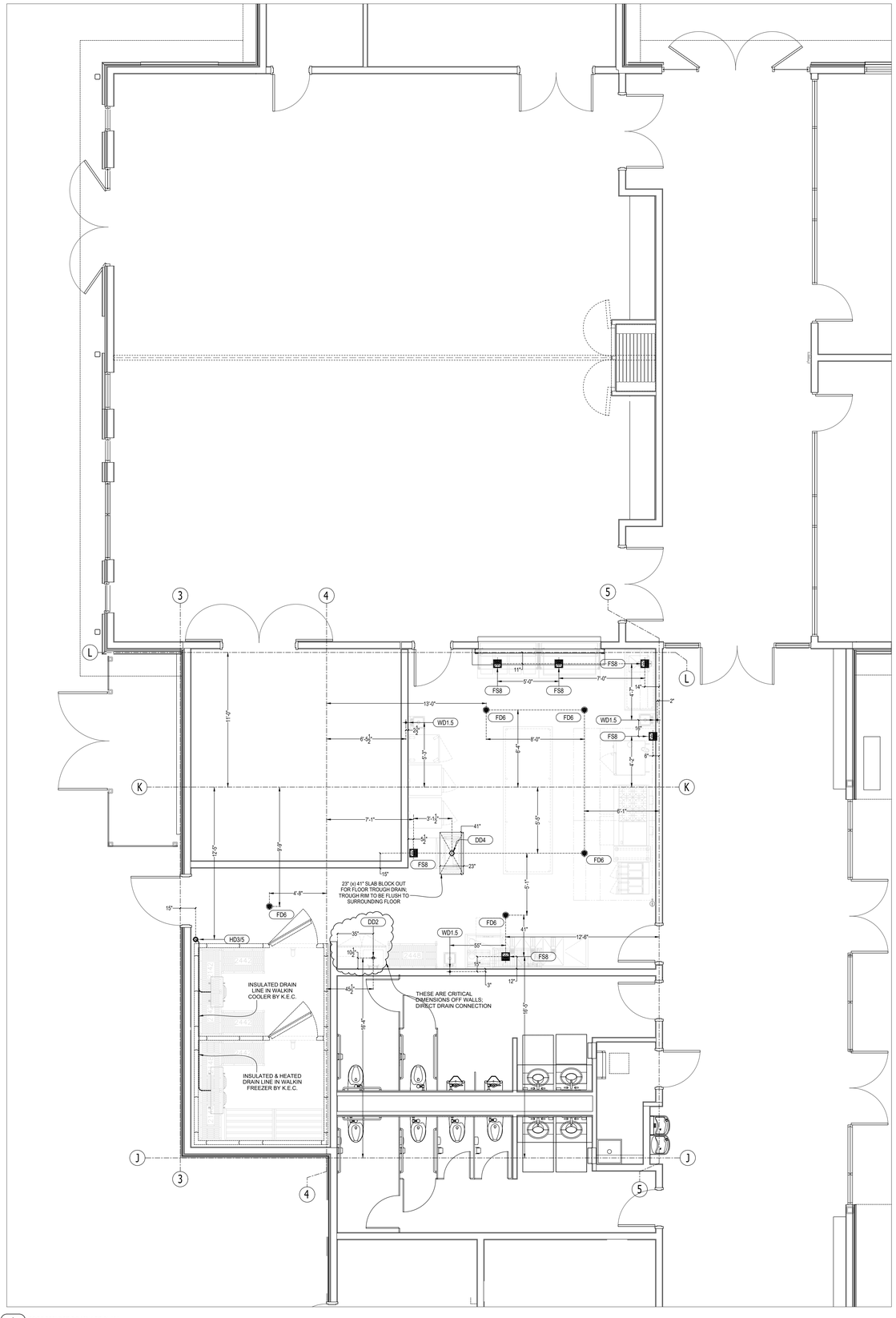

1 FS103 FOODSERVICE DRAINAGE PLAN
1/4" = 1'-0"

DRAINAGE SCHEDULE

Item No	Qty	Equipment Category	Manufacturer	Model Number	Direct Drain Size (in)	Indir Drain Size (in)	Direct Drain AFF (in)	Plumbing Remarks
1	1	Walkin Cooler-Freezer	AmeriKooler	Custom	–	3/4	–	HD3/5
–	–	–	–	–	–	3/4	–	HD3/5
2	Lot	Cooler-Freezer Shelving	Per Specifications	Per Specifications	–	–	–	–
3	1	Mop Sink Storage Cabinet	Advance Tabco	9-OPC-84DL	2	–	FLOOR	DD2
4	1	24" x 48" Mobile Shelf Unit	Cambro	CPMU244875V4480	–	–	–	–
5	3	Hand Sink, Wall Mount	Advance Tabco	7-PS-22	1-1/2	–	20	WD1.5
6	1	(1) Rack Sorting Shelf	Advance Tabco	DT-6R-21	–	–	–	–
7	1	Warewasher, Undercounter, High Temperature	Hobart US Foodservice	LXNR	–	5/8	–	FS8
8	1	48" Wall Mt. T-Bar Shelf	New Age Industrial	1122PR	–	–	–	–
9	1	(3)-Comp. Pot Sink	Advance Tabco	FC-3-2028-24RL	–	2	–	FS8
10	1	13' Exhaust Hood Package	Accurex	Custom	–	–	–	–
11	2	Fryer, Deep Fat, Electric	Imperial Range	IFS-40-E	–	–	–	–
12	1	15" x 36" Filler Table	Advance Tabco	TFMS-153	–	–	–	–
13	1	60" Gas Restaurant Range	Garland	G60-6G24CC	–	–	–	–
14	1	Electric Combi Oven	RATIONAL USA	ICOMBI PRO 6-HALF SIZE DBL.	–	2	–	FS8
15	1	12' x 48" S/S Worktable	Advance Tabco	SS-4812	–	–	–	–
16	1	5' x 30" S/S Prep Table	Custom	Custom	–	1-1/2	–	FS8
17	1	5' x 15" S/S Wall Shelf	Advance Tabco	PS-15-60	–	–	–	–
18	1	4-Pan Cold Food Counter	Vollrath	37066	–	1	–	FS8
19	1	(4)-Well Hot Food Counter	Vollrath	37040	–	1	–	FS8
20	1	Holding Cabinet, Humidified Heated	F.W.E.	PHTT-12	–	–	–	–
21	1	Refrigerator, Reach-In	Traulsen	G10010	–	–	–	–
22	1	Freezer, Reach-In	Traulsen	G12010	–	–	–	–
23	1	Ice Maker	Manitowoc Ice	IDT0750A	–	1/2	–	FS8
24	1	Ice Bin (700lb)	Follett	SG700S-30	–	1	–	FS8
25	1	18" x 36" Floor Trough	IMC/Teddy	SFT-1836-SG	4	–	FLOOR	DD4

HD3/5 = 3" OPEN SITE "HUB" DRAIN WITH 5" FUNNEL TOP

WD1.5 = 1-1/2" WALL DRAIN FOR HAND SINK

FD6 = 6" FLOOR GRATE DRAIN (FOR GENERAL DRAINAGE AND CLEANUP)

DD4 = 3" I.P.S. DRAIN PIPE IN FLOOR FOR TROUGH DRAINS (SEE SPEC. SHEET)

FS8 = 8" SQUARE FLOOR SINK WITH REMOVABLE BASKET & (1/2) GRATE TOP

DD2 = 2" I.P.S. DRAIN PIPE IN FLOOR FOR MOP SINK (SEE SPEC. SHEET)

NOTE: ALL DRAINS FROM FIXTURES EXCEPT WALL DRAINS FOR HAND SINKS AND DIRECT DRAINS ON FLOOR TROUGHS AND MOP SINK MARKED "INDIRECT" MUST BE AIR-GAPPED TO MEET HEALTH CODES.

PLUMBING & MECHANICAL LEGEND

SYMBOL	DESCRIPTION
	HOT WATER
	COLD WATER
	HUB DRAIN
	DIRECT WASTE CONN.
	FLOOR DRAIN
	FUNNEL FLOOR DRAIN
	FLOOR SINK
	GAS SUPPLY CONNECTION

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FOODSERVICE DRAINAGE PLAN

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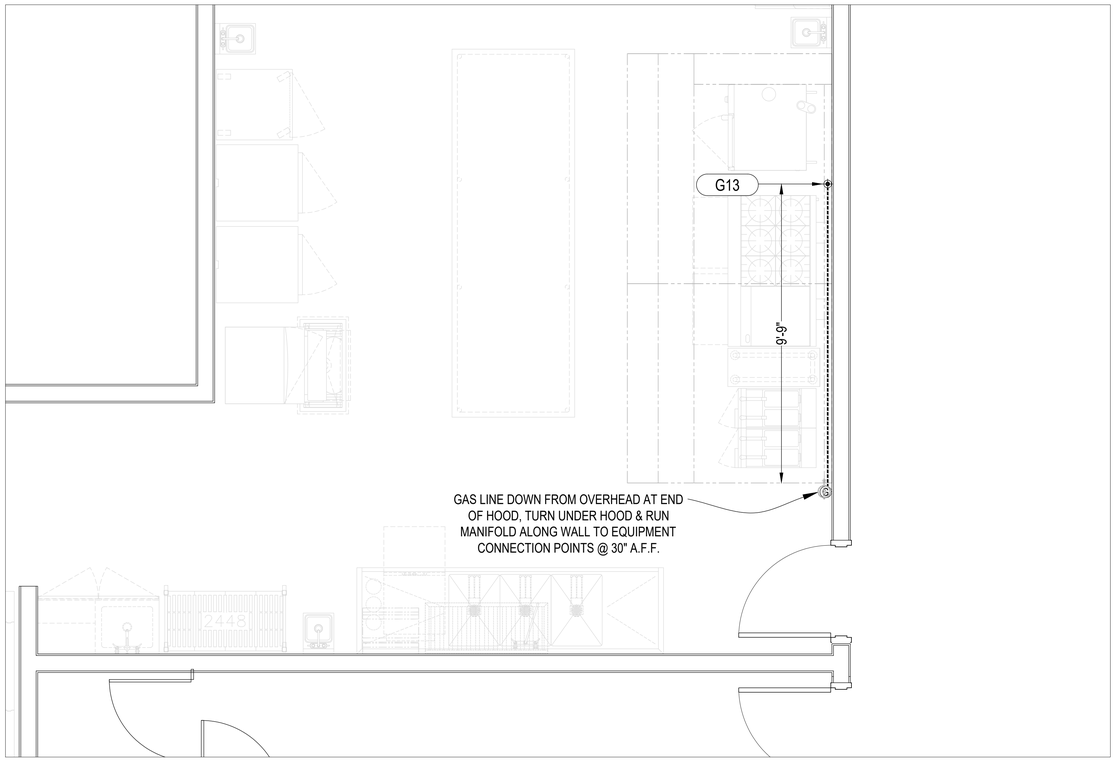
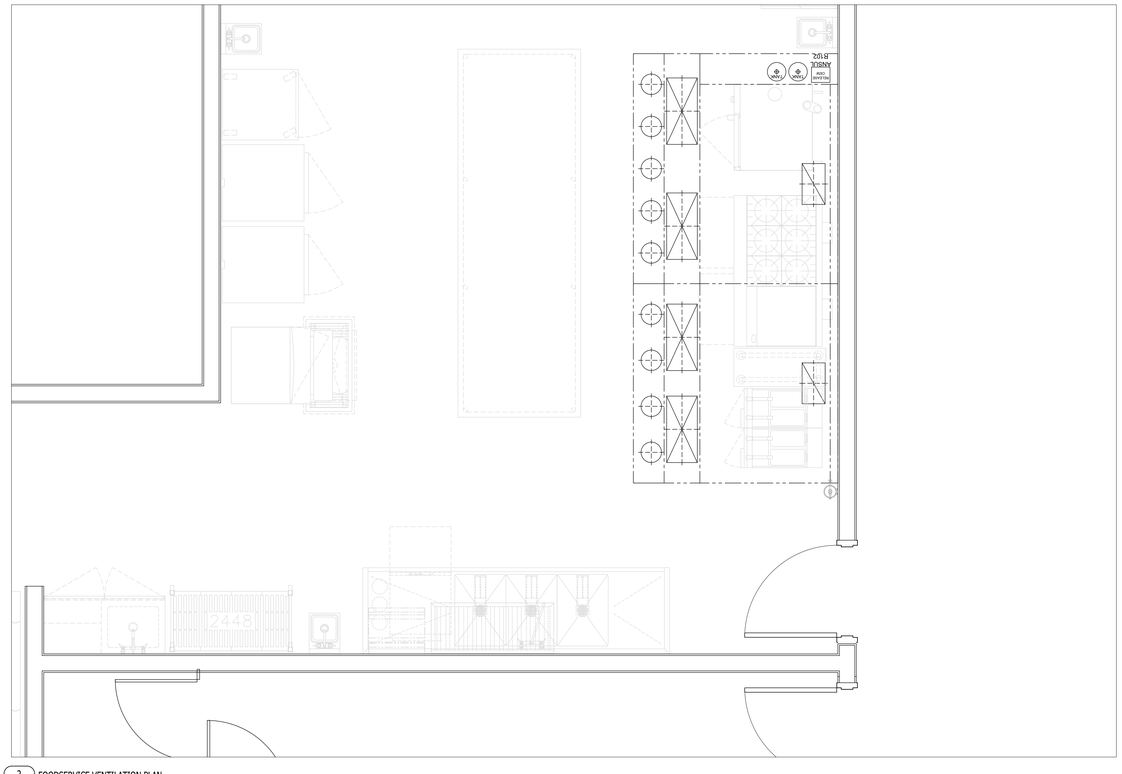


1 FS104 FOODSERVICE MECHANICAL (GAS CONNECTIONS) PLAN
1/2" = 1'-0"



2 FS104 FOODSERVICE VENTILATION PLAN
1/2" = 1'-0"

MECHANICAL SCHEDULE

Item No	Qty	Equipment Category	Manufacturer	Model Number	Gas Size (in)	MBTUH	Gas A.F.F. (in)	Plumbing Remarks
13	1	60" Gas Restaurant Range	Garland	G60-6G24CC	1	310	30	(G13)

PLUMBING & MECHANICAL LEGEND

SYMBOL	DESCRIPTION
	HOT WATER
	COLD WATER
	HUB DRAIN
	DIRECT WASTE CONN.
	FLOOR DRAIN
	FUNNEL FLOOR DRAIN
	FLOOR SINK
	GAS SUPPLY CONNECTION

HOOD INFORMATION

HOOD NO.	MARK	MODEL	HOOD DIMENSIONS (IN.) LENGTH	WIDTH	HEIGHT	HOOD CONSTR.	COOKING LOAD / DUTY RATING	EXHAUST TOTAL CFM	COLLAR(S) WIDTH	LENGTH	DIA.	CFM	S.P.	SUPPLY MUA CFM	AC CFM	HANGING WEIGHT LBS.	SECTION LOCATION
1	KH-1	XBEW-78-S	78	54	24	430 SS WHERE EXPOSED	HEAVY	1625	9	16		1625	0.488	1393	413	481	LEFT
2	KH-1	XBEW-78-S	78	54	24	430 SS WHERE EXPOSED	HEAVY	1625	9	16		1625	0.488	1207	358	253	RIGHT

HOOD INFORMATION

	MARK	LIGHTING DETAILS QTY		GREASE FILTRATION DETAILS QTY	L	H	UTILITY CABINET(S) LOCATION	FIRE SYSTEM TYPE	SIZE	CONTROLS MODEL	INTERFACE
1	KH-1		46.14		1	16	20	LEFT	ANSUL R102	6	XKC	TOUCHSCREEN
					3	20						
2	KH-1		46.14		1	16	20					
					3	20						

SUPPLY PLENUM INFORMATION

HOOD NO.	MARK	POS.	TYPE	SIZE (IN.) L	W	H	INSULATED	DAMPER(S)	LED LIGHT(S) SUPPLIED	QTY	TOTAL CFM	TOTAL S.P.	COLLARS TYPE	MOUNTING	QTY	W	L	DIA.	CFM	VEL.
1	KH-1	FRONT	SPLIT ASP	90	14	4	NO	YES	NO		1393	0.02	MUA	FACTORY	2	12	26		697	322
				90	10	4	YES				413	0.01	AC	FACTORY	5			8	83	238
2	KH-1	FRONT	SPLIT ASP	78	14	4	NO	YES	NO		1207	0.02	MUA	FACTORY	2	12	26		604	279
				78	10	4	YES				358	0.01	AC	FACTORY	4			8	90	258

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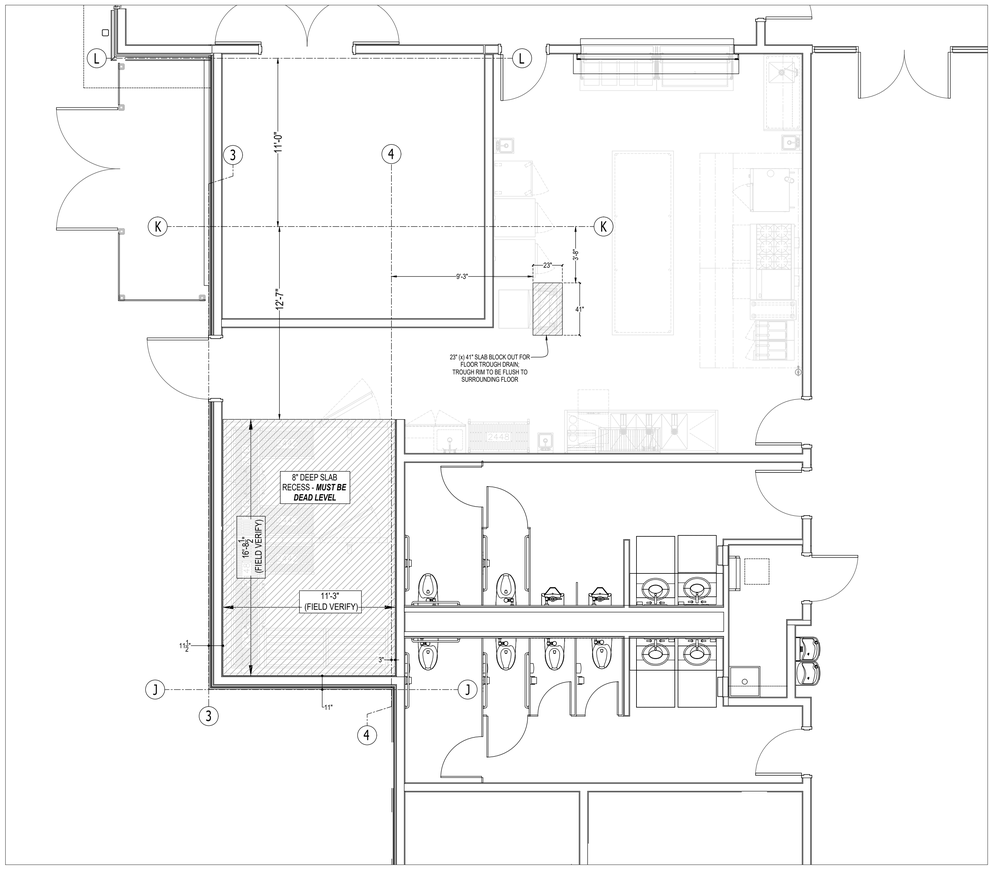
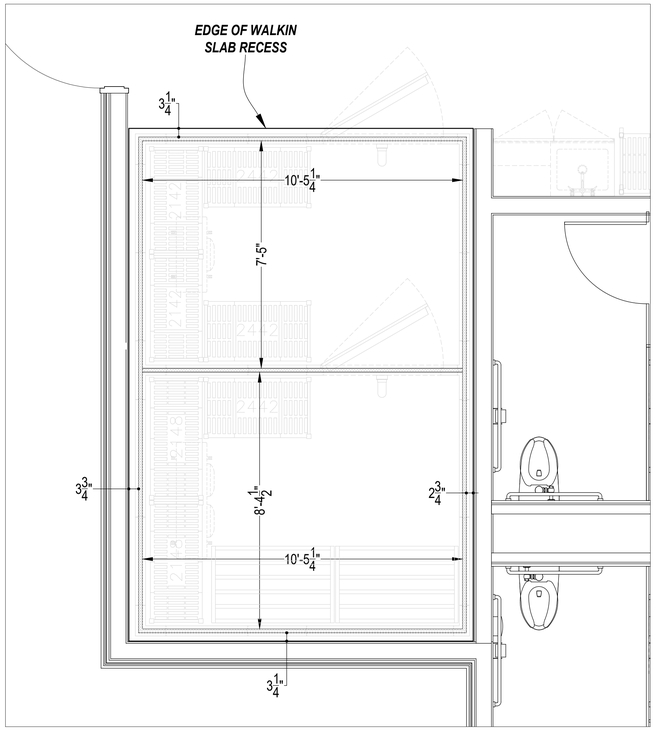
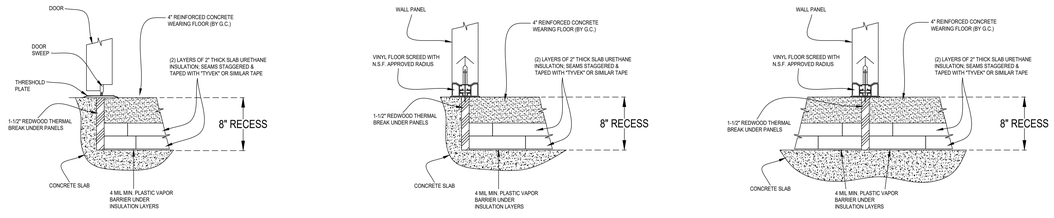


1 FOODSERVICE SPECIAL CONDITIONS PLAN
FS105 1/4" = 1'-0"



2 FOODSERVICE SPECIAL CONDITIONS PLAN - WALKIN COOLER-FREEZER THERMAL BREAKS
FS105 1/2" = 1'-0"



3 FOODSERVICE SPECIAL CONDITIONS PLAN - WALKIN COOLER-FREEZER THERMAL BREAK SECTION VIEWS
FS105 NOT TO SCALE

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THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT FULL SIZED ORIGINAL PAGE SIZE

THE SQUARES ABOVE ARE SOLID WITH BLACK AND WHITE LEVELS, AS PRINTED DIRECTLY

TYPICAL ANNOTATION LEGEND

- AREA OF REVISION
- REVISION SEQUENCE NUMBER
- KEYNOTE
- POINT OF CONNECTION OF EXISTING SYSTEM
- POINT OF DISCONNECTION OF EXISTING SYSTEM
- DETAIL NUMBER / DRAWING NUMBER
- DETAIL NUMBER / DRAWING NUMBER
- VIEW REFERENCE

FIRE ALARM LEGEND

- MANUAL PULL STATION
- HORN, WALL
- HORN, CEILING
- STROBE, WALL, CANDELA AS INDICATED
- STROBE, CEILING, CANDELA AS INDICATED
- HORN/STROBE, WALL, CANDELA AS INDICATED
- HORN/STROBE, CEILING, CANDELA AS INDICATED
- REMOTE INDICATOR W/ TEST SWITCH
- SMOKE DETECTOR
- SMOKE DETECTOR W/ AUDIBLE BASE
- HEAT DETECTOR
- CARBON MONOXIDE DETECTOR
- BEAM DETECTOR T: TRANSMITTER R: RECEIVER
- COMBINATION DETECTOR (UP TO THREE)
- DUCT SMOKE DETECTOR
- SMOKE DAMPER
- COMBINATION FIRE/SMOKE DAMPER
- DH — DOOR HOLDER
- DCL — DOOR CLOSER
- FIRE SERVICE PHONE
- FIRE SERVICE PHONE JACK
- XXX — ADDRESSIBLE MODULE
  - AIM: ADDRESSIBLE INPUT MODULE
  - AOM:ADDRESSIBLE OUTPUT CONTROL MODULE
  - AIO: ADDRESSIBLE INPUT/OUTPUT MODULE
- XXXX — FIRE ALARM CONTROL UNIT
  - EVAC: VOICE EVACUATION CONTROL PANEL
  - FAA: FIRE ALARM ANNUNCIATOR
  - FACP: FIRE ALARM CONTROL PANEL
  - FATC: FIRE ALARM TERMINAL CABINET
  - NACP: NOTIFICATION APPLIANCE CIRCUIT PANEL
  - FAMN: FIRE ALARM MASS NOTIFICATION CONTROL PANEL
  - AMP: AMPLIFIER PANEL
  - COMM: FIRE ALARM COMMUNICATOR PANEL
- XX — SUPERVISORY OR INTERFACE DEVICE
  - PIV: POST INDICATOR VALVE SUPERVISORY
  - PS: PRESSURE SWITCH
  - R: NON-ADDRESSIBLE RELAY
  - VS: VALVE SUPERVISORY SWITCH
  - WF: WATER FLOW SWITCH
- JUNCTION BOX
- PRT — PRINTER
- DOC — DOCUMENT STORAGE BOX
- ACS — EMERGENCY TWO-WAY COMMUNICATION CALL STATION
- ARA — EMERGENCY TWO-WAY COMMUNICATION BASE STATION

GENERAL NOTES FIRE ALARM

1. SOME LEGEND SYMBOLS MAY NOT BE USED. SEE FLOOR PLANS FOR APPLICABLE DEVICES.
2. THESE NOTES ARE GENERAL IN NATURE AND PERTAIN TO THE ENTIRE PROJECT UNLESS OTHERWISE NOTED AS SUCH ON AN INDIVIDUAL DRAWING.
3. PRIOR TO BIDDING, THE CONTRACTOR SHALL EXAMINE ALL PROJECT DRAWINGS AND SPECIFICATIONS TO DEVELOP A COMPLETE UNDERSTANDING OF THE PROJECT SCOPE. THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY EXISTING CONDITIONS BEFORE BIDDING. FAILURE TO DO THIS WILL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITIES TO PERFORM ALL REQUIRED WORK. THE CONTRACTOR SHALL ADVISE THE PROFESSIONAL OF ANY DISCREPANCIES WHICH WILL AFFECT THE WORK REQUIRED.
4. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL PERTINENT CODES AND REGULATIONS. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT IN ACCORDANCE WITH APPLICABLE CODES, MANUFACTURER'S WRITTEN INSTRUCTIONS, AND RECOGNIZED INDUSTRY PRACTICES. ALL EQUIPMENT, DEVICES, AND MATERIALS SHALL BE UL LISTED AND FM APPROVED.
5. THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTING ALL REQUIRED INFORMATION TO THE AUTHORITY HAVING JURISDICTION TO OBTAIN THE NECESSARY PERMITS AND APPROVALS. ALL FEES ASSOCIATED WITH THIS SUBMISSION ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE ALL REQUIRED INSPECTIONS AND BE RESPONSIBLE FOR ALL FEES CHARGED BY THE AUTHORITY HAVING JURISDICTION FOR SUCH INSPECTIONS.
6. REFER TO THE ARCHITECTURAL PLANS FOR DIMENSIONS, ROOM FINISHES, FIRE WALLS, DOOR HARDWARE SCHEDULES AND LIKE ITEMS. REFER TO THE STRUCTURAL DRAWINGS FOR STRUCTURAL MEMBERS. REFER TO OTHER TRADES PLANS TO UNDERSTAND THE EXTENT OF THEIR WORK AS REQUIRED.
7. DO NOT SCALE DRAWINGS. HOLD INDICATED DIMENSIONS WHERE SHOWN. RESOLVE ANY DISCREPANCIES WITH THE PROFESSIONAL PRIOR TO BEGINNING WORK.
8. PROVIDE A NEW MULTIPLEX/ADDRESSABLE, NON-CODED, SUPERVISED FIRE ALARM SYSTEM AS DESCRIBED IN THE SPECIFICATIONS AND AS SHOWN ON THE FIRE ALARM DRAWINGS. THE WORK COVERED UNDER THIS CONTRACT INCLUDES THE FURNISHING OF ALL EQUIPMENT, LABOR, AND MATERIALS TO PROVIDE A COMPLETE SYSTEM IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND REFERENCED CODES. THE DRAWINGS DO NOT SHOW ALL REQUIRED CONNECTIONS, INTERCONNECTING DETAILS, TERMINAL BLOCKS, JUNCTION BOXES, ETC. THE CONTRACTOR SHALL PROVIDE ALL APPURTENANCES FOR A COMPLETE AND OPERATIONAL SYSTEM THAT MEETS THE DESIGN INTENT AND CODE REQUIREMENTS.
9. THE LAYOUT ON THE DRAWINGS IS DIAGRAMMATIC. WHERE ADDITIONAL REMOTE FIRE ALARM CONTROL UNITS, NAC EXTENDER PANELS, OR SIMILAR FIRE ALARM RELATED EQUIPMENT ARE NEEDED, THEY SHALL BE PROVIDED.
10. THE CONTRACTOR SHALL COORDINATE WITH OTHER TRADES TO ELIMINATE CONFLICTS BETWEEN STRUCTURAL ELEMENTS AS WELL AS PIPING, DUCTWORK, SPRINKLER, ARCHITECTURAL, AND OTHER ELECTRICAL WORK. ALL EQUIPMENT SHALL BE COORDINATED WITH OTHER TRADES AND ARCHITECTURAL AND STRUCTURAL FEATURES.
11. PROVIDE A NEW FIRE ALARM CONTROL PANEL (FAP) AND REMOTE ANNUNCIATOR PANEL (FAA).
12. PROVIDE AUDIBLE/VISIBLE NOTIFICATION THROUGHOUT THE AREA OF WORK.
13. PROVIDE DETECTION THROUGHOUT THE AREA OF WORK AS SHOWN IN THE PLANS.
14. FURNISH DUCT SMOKE DETECTORS FOR INSTALLATION BY THE MECHANICAL CONTRACTOR. REFER TO THE MECHANICAL DRAWINGS FOR EXACT QUANTITIES AND LOCATIONS. INTERFACE THE DUCT SMOKE DETECTORS WITH THE FIRE ALARM SYSTEM TO SHUTDOWN ASSOCIATED AIR HANDLERS UPON ACTIVATION OF THE SMOKE DETECTOR.
15. PROVIDE CONTROL MODULES, RELAYS, AND MONITOR MODULES TO INTERFACE DOOR HOLDERS, FIRE PROTECTION ALARM AND SUPERVISORY SWITCHES, AND KITCHEN HOOD SUPPRESSION SYSTEMS WITH THE FIRE ALARM SYSTEM.
16. ALL FIRE ALARM WIRING SHALL BE IN CONDUIT THROUGHOUT, UNLESS NOTED OTHERWISE. ALL CONDUIT AND WIRING SHALL BE CONCEALED IN AREAS WITH CEILINGS. CONDUIT SHALL BE UTILIZED IN AREAS WITHOUT CEILINGS. CONTRACTOR SHALL COORDINATE ROUTINGS WITHIN THESE EXPOSED AREAS TO PRODUCE A SYMMETRIC AND AESTHETIC LAYOUT.
17. FIRE ALARM CIRCUITS SHALL BE 24-VOLT DC AND POWER WIRING SHALL BE 120-VOLT AC CIRCUITS. SIGNALING LINE CIRCUITS SHALL BE CLASS B AND NOTIFICATION APPLIANCE CIRCUITS SHALL BE CLASS B.
18. CIRCUITS SHALL CONTAIN AT LEAST 20 PERCENT SPARE CAPACITY FOR NOTIFICATION APPLIANCES ON THE NAC CIRCUITS AND 20 PERCENT SPARE CAPACITY FOR INITIATING DEVICES ON THE SLC (E.G., NOT MORE THAN 80 PERCENT LOADED).
19. CONTRACTOR SHALL REPLACE IN KIND ALL CEILING TILES DAMAGED DURING INSTALLATION AT NO ADDITIONAL COST.
20. CONTRACTOR SHALL REPAINT OR REFINISH ANY AREA IN KIND IF INSTALLATION DEFACES EXISTING WALLS, FLOORS, OR CEILINGS.
21. AFTER ALL EQUIPMENT IS INSTALLED, IT SHALL BE TESTED TO DEMONSTRATE PROPER OPERATION OF PERFORMANCE AND COMPLIANCE WITH THE SPECIFICATIONS. EQUIPMENT NOT OPERATING CORRECTLY SHALL BE FIELD CORRECTED OR REPLACED. SYSTEMS WILL BE TESTED IN ACCORDANCE WITH NFPA REQUIREMENTS. THE OWNER'S REPRESENTATIVE, PROFESSIONAL, AND AUTHORITY HAVING JURISDICTION SHALL BE PRESENT FOR THE TEST.

FIRE ALARM SHEET INDEX

DEFERRED SUBMISSION

THE FIRE ALARM DRAWINGS AND SPECIFICATIONS ARE PERFORMANCE BASED. THE CONTRACTOR SHALL SUBMIT FOR REVIEW AND APPROVAL AS A DEFERRED SUBMITTAL TO THE AHJ SHOP DRAWINGS AND CALCULATIONS INDICATING THE SYSTEM LAYOUT. THE PROFESSIONAL SHALL REVIEW THE SHOP DRAWINGS AND CALCULATIONS PRIOR TO THE DEFERRED SUBMISSION TO THE AHJ AND PROVIDE NOTATION ON THE DRAWINGS INDICATING THEY WERE REVIEWED BY THE PROFESSIONAL. SUBMIT REVIEWED DRAWINGS PRIOR TO INSTALLATION.

DEFERRED SUBMISSION

SYSTEM OUTPUTS

SYSTEM INPUTS	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	
	ACTIVATE FAP TROUBLE LAMP	ACTIVATE FAP TROUBLE & SUPERVISORY SIGNAL	ACTIVATE FAP TROUBLE & SUPERVISORY SIGNAL	ACTIVATE FAP SUPERVISORY LAMP	ACTIVATE FAP SUPERVISORY SIGNAL	ACTIVATE FAP ALARM LAMP	ACTIVATE FAP ALARM SIGNAL	ACTIVATE REMOTE ANNUNCIATOR ALARM SIGNAL	ACTIVATE ELEVATOR RECALL FOR ENTIRE BUILDING	ACTIVATE ELEVATOR RECALL FOR FIRE ZONE	TRANSMIT TROUBLE SIGNAL OF SYSTEM TO CENTRAL STATION	TRANSMIT SUPERVISORY SIGNAL TO CENTRAL STATION	TRANSMIT FIRE ALARM SIGNAL TO CENTRAL STATION	SHUT DOWN ASSOCIATED AIR HANDLER	DEACTIVATE ASSOCIATED DUCT SMOKE DETECTOR	ACTIVATE ELECTRICAL MAGNET BREAK	
1	ANY GENERAL BUILDING DETECTOR IN TROUBLE	X	X					X		X	X							1
2	ANY GENERAL BUILDING DETECTOR IN ALARM						X	X	X	X			X					2
3	ANY GENERAL BUILDING MANUAL PULL STATION IN ALARM						X	X	X	X	X			X				3
4	ANY DUCT DETECTOR IN ALARM				X	X			X		X		X		X			4
5	FIRE ALARM AC POWER FAILURE				X	X			X		X		X					5
6	FIRE ALARM SYSTEM LOW BATTERY	X	X						X		X	X						6
7	OPEN CIRCUIT	X	X						X		X	X						7
8	GROUND FAULT	X	X						X		X	X						8
9	NOTIFICATION APPLIANCE CIRCUIT SHORT	X	X						X		X	X						9
10	ANY TROUBLE ALARM	X	X						X		X	X						10
11	SMOKE DETECTOR ADJACENT TO DOOR HOLD-OPEN DEVICE						X	X	X	X			X		X			11
12	KITCHEN HOOD EXTINGUISHING SYSTEM ACTIVATION						X	X	X	X			X					12
13	BUILDING KNOX BOX OPEN				X	X			X		X							13
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	

1 FA000 FIRE ALARM SYSTEM MATRIX OF OPERATION
NOT TO SCALE

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COUSHATTA TRIBE - EDUCATION BUILDING

1950 CC BEL RD
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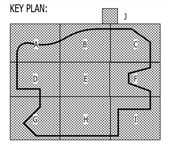
Issue:	No:	Date:
BID SET		2025.12.05

KEY PLAN:



SYMBOLS, LEGENDS, AND ABBREVIATIONS - FIRE ALARM

STATE OF LOUISIANA
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License No. 0049415
PROFESSIONAL ENGINEER
IN
ELECTRICAL ENGINEERING

12/08/2025

Proj #: 24.0002607.000 Reviewed By:

FA000

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12/5/2025 3:08:32 PM Autodesk Docs://Coushatta Education Building/24.0002607.080 Coushatta Education Building MEP_R24.rvt

KEYED NOTES:

1. MOUNT THE DEVICE TO THE WINDOW MULLION. ALL WIRING SHALL BE CONCEALED INSIDE THE MULLION.
2. PROVIDE AN ADDRESSABLE INPUT MODULE TO MONITOR THE KITCHEN HOOD SUPPRESSION SYSTEM FOR ALARM SIGNAL. PROVIDE AN ADDRESSABLE OUTPUT MODULE AND RELAY TO SHUT DOWN THE KITCHEN MAKE-UP AIR FAN UPON HOOD SUPPRESSION SYSTEM ACTIVATION.
3. PROVIDE AN ADDRESSABLE INPUT MODULE TO MONITOR THE TAMPER SWITCH ON THE BUILDING'S KNOX BOX WITH THE FIRE ALARM SYSTEM. FIELD LOCATE THE MODULE BASED ON THE FIRE MARSHAL APPROVED LOCATION OF THE KNOX BOX.

1 FA201 FIRST FLOOR CONSTRUCTION PLAN - FIRE ALARM
1/8" = 1'-0"

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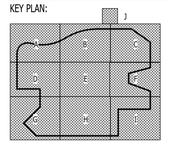

FIRST FLOOR CONSTRUCTION PLAN - FIRE ALARM

STATE OF LOUISIANA
JENNIFER N. FORNER
License No. 034845
PROFESSIONAL ENGINEER
IN
ELECTRICAL ENGINEERING
12/08/2025

TRUE & PROJECT NORTH

Proj #: 24.0002607.000 Reviewed By:

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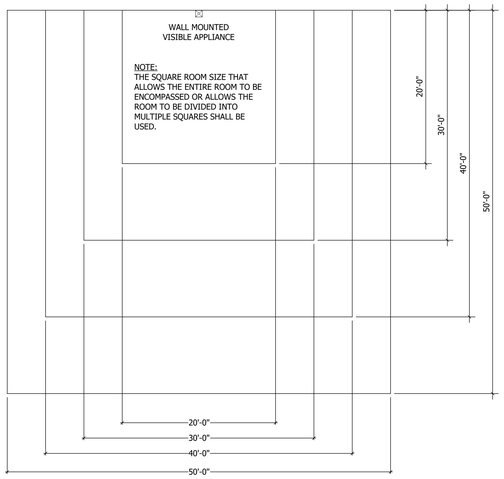
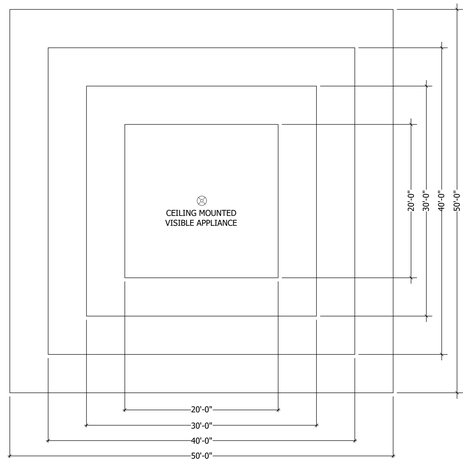


MAXIMUM ROOM SIZE (FT)	MINIMUM REQUIRED LIGHTING OUTPUT (CD) ONE LIGHT PER ROOM
20 X 20	15
28 X 28	30
30 X 30	34
40 X 40	60
45 X 45	75
50 X 50	94
54 X 54	110
55 X 55	115
60 X 60	135
63 X 63	150
68 X 68	177

8 FA400 FIRE ALARM WALL MOUNTED VISIBLE APPLIANCE SPACING TEMPLATE
NOT TO SCALE

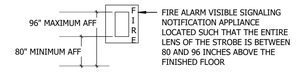


MAXIMUM ROOM SIZE (FT)	MAXIMUM LENS HEIGHT (FT)	MINIMUM REQUIRED LIGHTING OUTPUT (CD)
20 X 20	10	15
30 X 30	10	30
40 X 40	10	60
44 X 44	10	75
50 X 50	10	95
53 X 53	10	110
55 X 55	10	115
59 X 59	10	135
63 X 63	10	150
68 X 68	10	177
70 X 70	10	185

MAXIMUM ROOM SIZE (FT)	MAXIMUM LENS HEIGHT (FT)	MINIMUM REQUIRED LIGHTING OUTPUT (CD)
20 X 20	20	30
30 X 30	20	45
40 X 40	20	75
44 X 44	20	80
50 X 50	20	95
53 X 53	20	110
55 X 55	20	115
59 X 59	20	135
63 X 63	20	150
68 X 68	20	177
70 X 70	20	185

MAXIMUM ROOM SIZE (FT)	MAXIMUM LENS HEIGHT (FT)	MINIMUM REQUIRED LIGHTING OUTPUT (CD)
20 X 20	30	55
30 X 30	30	75
50 X 50	30	95
53 X 53	30	110
55 X 55	30	115
59 X 59	30	135
63 X 63	30	150
68 X 68	30	177
70 X 70	30	185

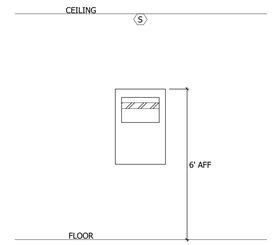
5 FA400 FIRE ALARM CEILING MOUNTED VISABLE APPLIANCE SPACING TEMPLATE
NOT TO SCALE



NOTES:

1. WHERE FLOOR PLAN INDICATES THAT NOTIFICATION APPLIANCE AND MANUAL PULL STATION ARE LOCATED IN THE SAME AREA, THEY SHALL BE MOUNTED IN THE SAME VERTICAL LINE.

1 FA400 FIRE ALARM MANUAL PULL STATION AND STROBE DETAIL
NOT TO SCALE



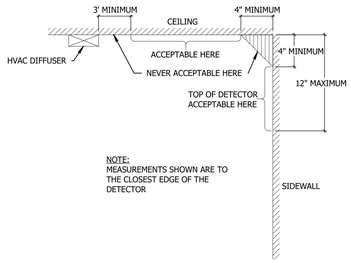
NOTES:
FOR BLOCK WALLS - COORDINATE MOUNTING HEIGHT WITH TOP OF COURSE OF BLOCK NEAREST 6 FEET AFF.

2 FA400 FIRE ALARM PANEL ANNUNCIATOR MOUNTING DETAIL
NOT TO SCALE

NOTES:
PROVIDE RELAY AS REQUIRED.
VERIFY POWER DRAW AND VOLTAGE OF DEVICE WITH THE RESPECTIVE CONTRACTOR.

9 FA400 FIRE ALARM 120V POWER CONTROL INTERFACE DETAIL
NOT TO SCALE

6 FA400 FIRE ALARM PENDENT MOUNT DEVICE DETAIL
NOT TO SCALE



3 FA400 FIRE ALARM PROPER PLACEMENT FOR DETECTORS DETAIL
NOT TO SCALE

DETAIL KEYED NOTES:

1. FIRE ALARM PLENUM CABLE - ATTACH TO THE STRUCTURE AT 5 FOOT MAXIMUM INTERVALS WITH DEDICATED J-HOOKS OR BRIDLE RINGS.
2. PROVIDE RUBBER GROMMET AT BOX OR CONDUIT OPENING.
3. FLEXIBLE METALLIC CONDUIT.
4. CADDY ACOUSTICAL "TEE BAR" ELECTRICAL BOX HANGER OR EQUAL.
5. JUNCTION BOX.
6. SECURELY FASTEN FLEXIBLE METALLIC CONDUIT TO STRUCTURE VIA A JUNCTION BOX OR CONDUIT FITTING AND CLAMP.
7. COIL EXCESS WIRE ON A J-HOOK OR BRIDLE RING ADJACENT TO CONDUIT.

10 FA400 FIRE ALARM PLENUM WIRING AND DEVICE MOUNTING
NOT TO SCALE

NOTES:

1. THE TYPE OF DEVICE AT THIS LOCATION WILL DEPEND ON THE MANUFACTURER'S EQUIPMENT. NOTHING IN THE DESIGN DOCUMENTS IS INTENDED, NOR SHOULD IT BE CONSTRUED, TO LIMIT THE TYPES OF DEVICES THAT MAY BE USED, PROVIDED THE INTENDED SYSTEM PERFORMANCE IS ACHIEVED AND WITHIN THE UL LISTING.
2. THE DEVICES SHOWN ON THE RISER DIAGRAM ARE REPRESENTATIVE OF THOSE TO BE PROVIDED THROUGHOUT THE BUILDING. THEY ARE NOT INTENDED TO SHOW TOTAL QUANTITIES OF DEVICES. THE CONTRACTOR SHALL REFER TO THE FLOOR PLANS FOR THIS INFORMATION.
3. THE SIGNALING LINE CIRCUIT MAY BE T-TAPPED, PROVIDED THE LOCATION OF THE T-TAP IS CLEARLY SHOWN ON THE SHOP DRAWINGS, IS PERFORMED IN A JUNCTION BOX, AND IS MADE WITH A TERMINAL STRIP. PIGTAILING IS NOT PERMITTED.
4. ADDRESSABLE INTERFACE MODULES ARE REQUIRED FOR NON-ADDRESSABLE INITIATING AND INDICATING DEVIES FOR CONNECTION TO THE FIRE ALARM SYSTEM. SEE THE WIRING SCHEMATICS ON THIS DRAWING FOR ADDITIONAL INFORMATION.
5. PROVIDE REMOTE NOTIFICATION APPLIANCE CIRCUIT POWER BOOSTER PANELS AS REQUIRED.
6. AUDIBLE AND VISIBLE NOTIFICATION APPLIANCES SHALL BE WIRED SEPARATELY OR SEPARATELY CONTROLLED.
7. THE LOCATION AND TYPE OF INTERFACE DEVICE FOR CONNECTION TO THE MONITORING SERVICE MUST BE COORDINATED WITH CONTRACTING SERVICE COMPANY.
8. PROVIDE A SMOKE DETECTOR ABOVE ALL CONTROL PANELS (TYPICAL).

7 FA400 FIRE ALARM SYSTEM RISER DIAGRAM - SINGLE FLOOR
NOT TO SCALE

NOTES:
PROVIDE 24VDC POWER SUPPLY FROM FACP AS RQUIRED.
PROVIDE RELAY AS REQUIRED.
VERIFY POWER DRAW AND VOLTAGE OF DEVICE WITH THE RESPECTIVE CONTRACTOR.

4 FA400 FIRE ALARM CONTROL INTERFACE DETAIL
NOT TO SCALE

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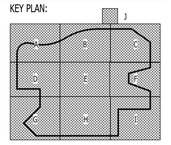

DETAILS - FIRE ALARM

12/08/2025

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THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT PLOTS ORIGINAL PAGE SIZE

THE SQUARES ABOVE ARE SOLIDS WITH BLACK AND WHITE LAYERS, AT PLOTTED CONTRACT

TYPICAL ANNOTATION LEGEND

- REVISION NUMBER - SHOWN ON PLANS
- POINT WHERE NEW CONNECTS TO EXISTING
- POINT WHERE DEMO DISCONNECTS FROM EXISTING
- X / XXXX — NUMBER OF DETAIL ON SHEET / NUMBER OF SHEET WHERE DETAIL APPEARS
- (#) KEYNOTE
- CONTINUATION SYMBOL
- Room / 129 — ROOM NAME AND NUMBER
- ITEM TO BE DEMOLISHED
- AREA NOT IN CONTRACT
- 2" — PIPE SIZE TAG (DIAMETER)
- ABOVE GROUND PIPING
- 1/8" / 12" SLOPE — PIPE SLOPE TAG
- BELOW GROUND PIPING
- INVERT: -105'-1" — PIPE INVERT ELEVATION TAG
- (E) — EXISTING PIPE TAG
- PIPING BEING DEMOLISHED

ABBREVIATIONS

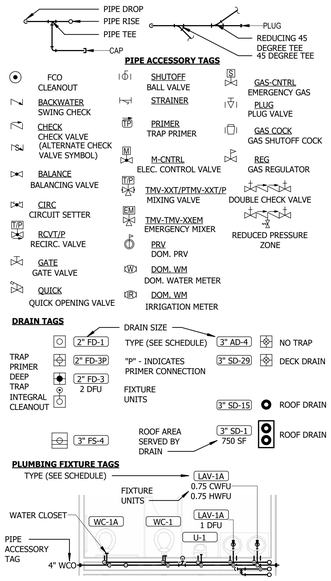
AAV	AIR ADMITTANCE VALVE	IRR	IRRIGATION
ABV	ABOVE	INV	INVERT
AC	AIR CONDITIONING	LB	POUND
AD	AREA DRAIN	LB/HR	POUNDS PER HOUR
ADD	ADDENDUM	LP	LOW PRESSURE
AFF	ABOVE FINISHED FLOOR	LPG	LIQUEFIED PETROLEUM GAS
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY	LVR	LOUVER
		LWT	LEAVING WATER TEMPERATURE
ALT	ALTERNATE	M/A	MIXED AIR
AP	ACCESS PANEL	MAX	MAXIMUM
ARCH	ARCHITECT/ARCHITECTURAL	MBH	ONE THOUSAND BTU PER HOUR
BFF	BELOW FINISHED FLOOR	MECH	MECHANICAL
BLW	BELOW	MFR	MANUFACTURER
BTU	BRITISH THERMAL UNITS	MIN	MINIMUM
BTUH	BRITISH THERMAL UNITS PER HOUR	MISC	MISCELLANEOUS
CAP	CAPACITY	MPG	MEDIUM PRESSURE GAS
CB	CATCH BASIN	MTR	MOTOR
CFH	CUBIC FEET PER HOUR	MU/A	MAKE-UP/AIR
CFM	CUBIC FEET PER MINUTE	N2O	NITROUS OXIDE
CLG	CEILING	NC	NORMALLY CLOSED
CO	CLEAN OUT	NFHB	NON FREEZE HOSE BIB
CW	COLD WATER	NIC	NOT IN CONTRACT
D	DEGREE	NO	NORMALLY OPEN/ NUMBER
DIA	DIAMETER	NTS	NOT TO SCALE
DN	DOWN	O2	OXYGEN
DW	DISTILLED WATER	O/A	OUTSIDE AIR
EA	EACH	ORD	OVERFLOW ROOF DRAIN
ELEC	ELECTRICAL	PD	PRESSURE DROP
EQUIP	EQUIPMENT	PG	PROPANE GAS
EWC	ELECTRIC WATER COOLER	PIV	POST INDICATOR VALVE
EWT	ENTERING WATER TEMPERATURE	PLBG	PLUMBING
E/A	EXHAUST AIR	PRESS	PRESSURE
(E)	EXISTING	PRV	PRESSURE REDUCING VALVE
F	DEGREES FAHRENHEIT	PSI	POUNDS PER SQUARE INCH
FA	FROM ABOVE	PSIG	POUNDS PER SQUARE INCH GAUGE
FB	FROM BELOW		
FCO	FLOOR CLEAN OUT	PWR	POWER
FD	FLOOR DRAIN	(R)	RELOCATE
FDC	FIRE DEPARTMENT CONNECTION	RD	ROOF DRAIN
FL	FLOOR	REC	RECESSED
FO	FUEL OIL	RED	REDUCER
FOV	FUEL OIL VENT	RL/A	RELIEF AIR
FOR	FUEL OIL RETURN	RM	ROOM
FOS	FUEL OIL SUPPLY	RPM	REVOLUTIONS PER MINUTE
FPM	FEET PER MINUTE	RW	RAIN WATER
FS	FLOOR SINK	SF	SQUARE FOOT
FT	FOOT/FEET	SAN	SANITARY
FTR	FIN TUBE RADIATION	SF	SQUARE FOOT
G	GAS (NATURAL)	SM	SURFACE MOUNT
GAL	GALLON	SP	STANDPIPE, STATIC PRESSURE
GC	GENERAL CONTRACTOR	SS	SANITARY SEWER
GPM	GALLONS PER MINUTE	STM	STEAM
GRY	GRAYWATER	TD	TEMPERATURE DROP
GW	GREASE WASTE	TDR	TRENCH DRAIN
HB	HOSE BIB	TEMP	TEMPERATURE
HP	HORSE POWER	TWCO	TWO-WAY CLEANOUT
HPG	HIGH PRESSURE GAS	TYP	TYPICAL
HTG	HEATING	UG	UNDERGROUND
HTR	HEATER	VAC	VACUUM
HW	HOT WATER	V	VENT
HYD	HYDRANT	VTR	VENT THROUGH ROOF
ID	INDIRECT	W	WASTE
IN	INCH	WCO	WALL CLEAN OUT
		WH	WALL HYDRANT

EQUIPMENT ABBREVIATIONS

AC	AIR CONDITIONING UNIT	ET	EXPANSION TANK
AHU	AIR HANDLING UNIT	EWH	ELECTRIC WATER HEATER
AS	AIR SEPARATOR	FCU	FAN COIL UNIT
B	BOILER	FP	FIRE PUMP
CH	CHILLER	GI	GREASE INTERCEPTOR
CT	COOLING TOWER	GPR	GAS PRESSURE REGULATOR
CU	CONDENSING UNIT	GWH	GAS WATER HEATER
CUH	CABINET UNIT HEATER	HWP	HEATING WATER PUMP
CHWP	CHILLED WATER PUMP	HRU	HEAT RECOVERY UNIT
DBP	DOMESTIC WATER BOOSTER PUMP	M	METER
DC	DUCT MOUNTED COIL	RTU	ROOFTOP UNIT
DCP	DOMESTIC WATER CIRCULATING PUMP	SP	SUMP PUMP
EF	EXHAUST FAN	UH	UNIT HEATER
EDC	ELECTRIC DUCT COIL	WM	WATER METER

PLUMBING AND PIPING SYMBOLS

CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CD	CONDENSATE DRAINAGE
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY
GWR	GEOTHERMAL WATER RETURN
GWS	GEOTHERMAL WATER SUPPLY
HWR	HEATING WATER RETURN
HWS	HEATING WATER SUPPLY
G	NATURAL GAS
PG	PROPANE GAS
REF-L	REFRIGERANT-LIQUID
REF-S	REFRIGERANT-SUCTION
REF-HG	REFRIGERANT-HOT GAS
STM	STEAM
CDR	CONDENSATE RETURN
CWV	COMBINATION WASTE & VENT
CA	COMPRESSED AIR
CW	DOMESTIC COLD WATER
H-CW	HARD COLD WATER
S-CW	SOFT COLD WATER
F-CW	FILTERED COLD WATER
RO	REVERSE OSMOSIS WATER
HW	HOT WATER
HW 140°	HOT WATER 140°
HW-R	HOT WATER RECIRCULATION
HW-R 140°	HOT WATER RECIRCULATION 140°
GV	GREASE VENT
GW	GREASE WASTE
IW	INDIRECT WASTE
OV	OIL VENT
OW	OIL WASTE
PD	PUMP DISCHARGE
V	SANITARY VENT
SS	SANITARY SEWER
SHWR	SOLAR HOT WATER RETURN
SHWS	SOLAR HOT WATER SUPPLY
SD	STORM DRAINAGE
OSD	OVERFLOW STORM DRAINAGE



PROJECT GENERAL NOTES

1. REMOVE ALL UNUSED PIPING, DUCTWORK AND ACCESSORIES.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING, PRIOR TO FINAL BID, ALL EXISTING CONDITIONS FOR PLUMBING SYSTEMS WITHIN TENANT SPACE AND WITHIN CLOSE PROXIMITY OF TENANT SPACE.
3. THE MECHANICAL CONTRACTOR SHALL PERFORM SERVICE AND REPAIR ON THE EXISTING TO REMAIN EQUIPMENT AND ITS ACCESSORIES AS FOLLOWS: CLEAN, INSPECT, REPAIR, OR REPLACE THE BEARINGS, MOTORS, CONTROL COMPONENTS, VALVES AND ANY OTHER ITEM NECESSARY FOR A COMPLETE AND PROPER OPERATING SYSTEM. THIS CONTRACTOR SHALL ALSO VISIT THE SITE, PRIOR TO FINAL BIDDING, AND VERIFY ALL EXISTING SITE CONDITIONS. PROVIDE ALL MATERIAL AND COMPONENTS AS NEEDED TO BRING THE UNITS TO FULL COMPLIANCE OF THE LANDLORD'S CRITERIA AND LOCAL AUTHORITY HAVING JURISDICTION.
4. WHERE FLOOR DRAINS OCCUR WITHIN THE LIMITS OF CONSTRUCTION, PREVENT CONSTRUCTION DEBRIS FROM ENTERING DRAIN BODY BY SEALING DRAIN OPENING PRIOR TO START OF WORK. UNSEAL DRAINS AT COMPLETION OF CONSTRUCTION.
5. COORDINATE INSTALLATION OF PIPING, DUCTWORK, CONDUIT, LIGHTS, CABLE TRAY, STRUCTURE, AND EQUIPMENT TO PREVENT CONFLICTS.
6. THE CONTRACTOR SHALL BE FAMILIAR WITH ALL THE CONDITIONS BOTH EXISTING AND THOSE ILLUSTRATED BY THESE DOCUMENTS AS WELL AS THOSE WHICH CAN BE REASONABLY ANTICIPATED INCLUDING, BUT NOT LIMITED TO ARCHITECTURAL, ELECTRICAL, VENTILATION, PLUMBING, AND OTHER SYSTEMS INVOLVED ON THIS PROJECT.
7. FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING BUT NOT LIMITED TO THE BUILDING CODE AND PLUMBING CODE
8. LOCATE EQUIPMENT REQUIRING ACCESS 2'-0" MAXIMUM ABOVE CEILING.
9. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CURRENT EDITION OF ALL APPLICABLE CODES, AND ANY LOCAL CODES AS APPLIED BY THE AUTHORITY HAVING JURISDICTION.
10. ALL ROOF MOUNTED EQUIPMENT SHALL BE A MINIMUM 10'-0" FROM EDGE OF ROOF.
11. LOCATE DUCTWORK, PIPING AND MECHANICAL EQUIPMENT AWAY FROM THE SPACE ABOVE ELECTRICAL PANELS. TRANSFORMERS AND OTHER ELECTRICAL EQUIPMENT.
12. PENETRATIONS OF RATED ASSEMBLIES SHALL BE FIRE STOPPED. FIRE STOPPING SHALL BE AN APPROVED MATERIAL AS PRESCRIBED IN CSFM STANDARD 43-1 AND SHALL BE U.L. LISTED.
13. PROVIDE SLEEVES AND/OR OPENINGS TO RUN PIPES AND DUCTS THROUGH FOUNDATIONS, FLOORS, WALLS, AND ROOF.
14. MAINTAIN CLEAR ACCESS TO SERVICE EQUIPMENT AND OTHER ACCESSORIES REQUIRING SERVICE, VISUAL INSPECTION OR HAND OPERATION. WHERE INDICATED OR REQUIRED, PROVIDE ACCESS PANELS OF THE TYPE SELECTED TO SUIT MATERIALS IN WHICH INSTALLED.
15. ADJUST PIPING AND DUCTWORK SIZES TO PROPERLY CONNECT TO EQUIPMENT.
16. REFER TO HVAC SERIES DRAWINGS FOR GAS AND A.C. CONDENSATE DRAIN PIPING.
17. PIPE SIZES SHOWN SHALL BE CONTINUED IN THE DIRECTION OF FLOW UNTIL ANOTHER SIZE IS SHOWN.
18. FOR DETAILS, EQUIPMENT CONNECTIONS, AND PIPE SIZES NOT SHOWN ON THE SEGMENTS, REFER TO DETAILS, SCHEDULES, AND SPECIFICATIONS.
19. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE RESPECTIVE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS, AT A LEVEL OF QUALITY AND WORKMANSHIP CONSISTENT WITH THE SPECIFICATIONS.
20. LOCATIONS OF PIPING AND EQUIPMENT AS INDICATED ON THE DRAWING, ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD. WORK SHALL BE COORDINATED WITH ALL OTHER TRADES TO AVOID INTERFERENCE IN THE FIELD.
21. INSTALL EXPOSED PIPING AS HIGH AS PRACTICAL IN ROOMS WITHOUT CEILINGS.
22. THE CONTRACTOR'S WORK SCHEDULE SHALL BE SUBMITTED TO AND APPROVED BY THE OWNER.
23. PRIOR TO STARTING WORK, SUBMIT SHOP DRAWINGS FOR ALL PLUMBING EQUIPMENT, PLUMBING FIXTURES, AND APPURTENANCES.
24. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND SHALL ARRANGE FOR ALL INSPECTIONS AS REQUIRED.
25. PROVIDE ONE YEAR WARRANTY FOR ALL WORKMANSHIP AND MATERIALS AFTER THE DATE OF FINAL ACCEPTANCE.
26. ALL MATERIALS EXPOSED WITHIN A PLENUM SHALL BE NONCOMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX NOT TO EXCEED 25 AND A SMOKE DEVELOPED INDEX NOT TO EXCEED 50, WHERE TESTED AS A COMPOSITE PRODUCT IN ACCORDANCE WITH ASTM E84 OR UL 723.

* NOTE *
ALL OF GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER DRAWINGS IN THIS SET. THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THIS SET OF DRAWINGS.

PLUMBING GENERAL NOTES

1. FIELD VERIFY ALL NEW WATER, WASTE, AND VENT PIPING CONNECTIONS AND PROVIDE NEW CONNECTIONS AS REQUIRED FOR PROPERLY OPERATING SYSTEMS.
2. PITCH UNDERFLOOR SANITARY WASTE PIPING AT 1/4" PER FOOT, UNLESS NOTED OTHERWISE.
3. PITCH UNDERFLOOR STORM PIPING 3" AND GREATER AT 1/8" PER FOOT, UNLESS NOTED OTHERWISE. PITCH ALL OTHER STORM PIPING AT 1/4" PER FOOT UNLESS OTHERWISE NOTED.
4. FIELD VERIFY LOCATION AND INVERTS OF SITE UTILITIES PRIOR TO INSTALLATION.
5. ROUTE DOMESTIC WATER, FIRE PROTECTION, SANITARY SEWER, AND STORM SEWER SERVICES TO SITE UTILITIES 5'-0" FROM BUILDING UNLESS NOTED OTHERWISE. REFER TO CIVIL PLANS.
6. WASTE AND VENT PIPING BELOW FLOOR AND THROUGH FLOOR SHALL BE 2" MINIMUM.
7. PROVIDE CLEANOUT IN ACCESSIBLE LOCATION AT THE BASE OF ALL PLUMBING RISERS.

CODES AND STANDARDS

2018 INTERNATIONAL BUILDING CODE (IBC) WITH LOUISIANA AMENDMENTS
2018 INTERNATIONAL FIRE CODE (IFC) WITH LOUISIANA AMENDMENTS
2018 INTERNATIONAL MECHANICAL CODE (IMC) WITH LOUISIANA AMENDMENTS
2018 INTERNATIONAL FUEL GAS CODE (IFGC) WITH LOUISIANA AMENDMENTS
2018 INTERNATIONAL ENERGY CONSERVATION CODE (IECC) WITH LOUISIANA AMENDMENTS
2018 INTERNATIONAL PLUMBING CODE (IPC) WITH LOUISIANA AMENDMENTS

SHOULD ANY PROVISION OF THE ABOVE ADOPTED CODES CONFLICT WITH ANY PROVISION OF THIS CODE OF ORDINANCES, THAT WHICH IS MOST RESTRICTIVE SHALL CONTROL.

PLUMBING SHEET INDEX

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SYMBOLS, LEGENDS, AND ABBREVIATIONS - PLUMBING

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ANDREW MICHAEL WILKINSON
License No. 50733
REGISTERED PROFESSIONAL ENGINEER

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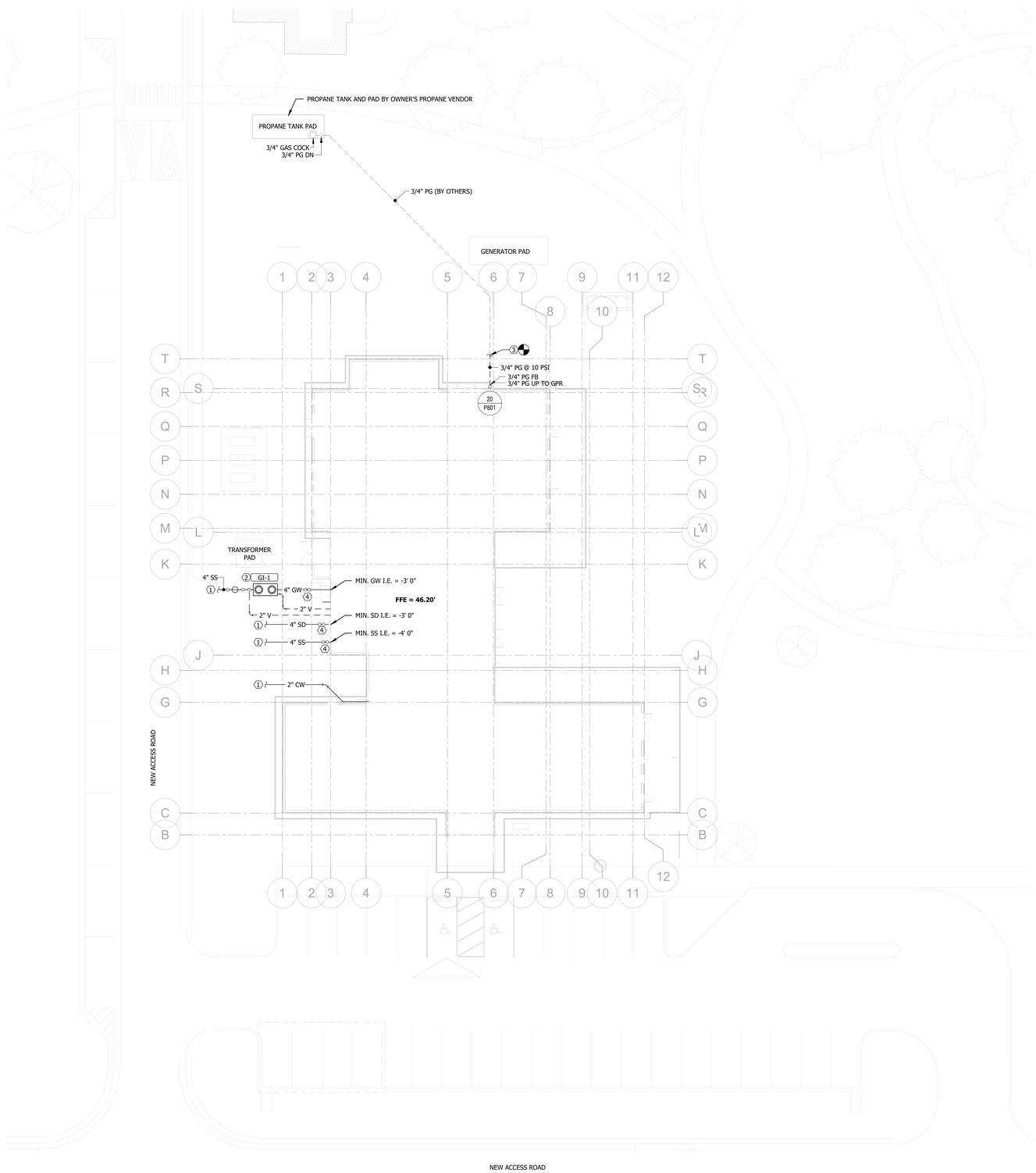

1 P101 SITE PLAN - PLUMBING
1/16" = 1'-0"

KEYED NOTES:

1. REFERENCE CIVIL SITE UTILITY PLAN FOR CONTINUATION.
2. GREASE INTERCEPTOR, PROVIDE WITH RELIEF VENTS AND SAMPLE WELL. REFER TO DETAILS 3/P800 & 4/P800.
3. POINT OF CONNECTION FOR 10 PSI PROPANE LINE TO BUILDING LINE. SITE LINE SHOWN FOR REFERENCE ONLY, EXACT ROUTING FROM PROPANE TANK TO BUILDING IS PER PROPANE COMPANY.
4. INSTALL 2-WAY GRADE CLEANOUT, REFER TO DEATIL 8/P800.

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SITE PLAN - PLUMBING

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ANDREW MICHAEL WILKINSON
License No. 50733
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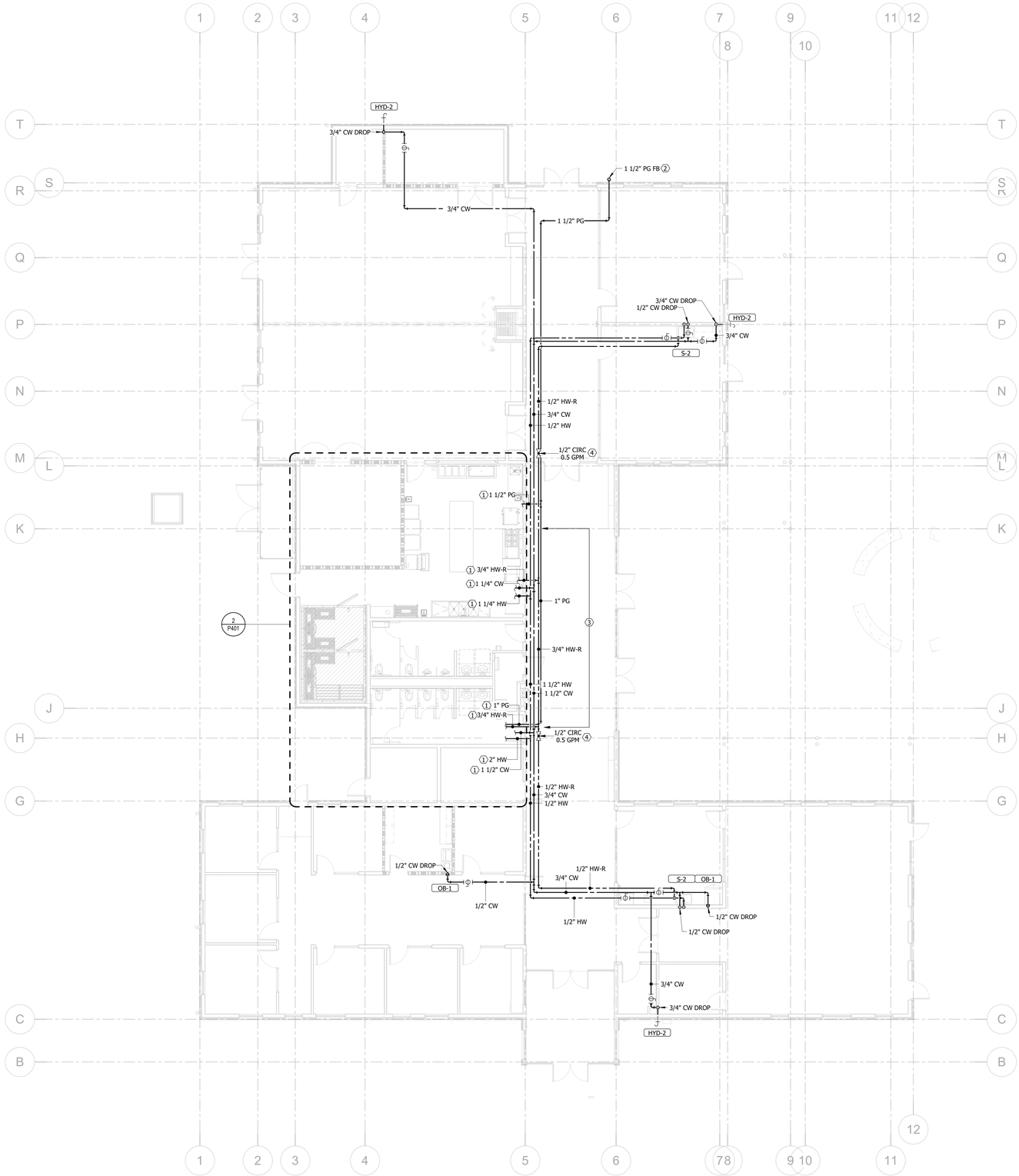

KEYED NOTES:

1. REFERENCE PLUMBING ENLARGED PLANS FOR CONTINUATION, P401.
2. 3/4" PROPANE LINE @ 10 PSI UP FROM UNDERGROUND SERVICE, PROVIDE SHUTOFF VALVE AND REGULATOR AT BUILDING, SET REGULATOR OUTLET PRESSURE TO 11" W.C., REFER TO DEATIL 20/P801.
3. PIPING IN FEATURE HALLWAY TO BE ROUTED IN CEILING CAVITY. COORDINATE PIPING TO BE BETWEEN MECHANICAL DUCTWORK. PIPING TO BE ROUTED TIGHT TO STRUCTURE WHERE POSSIBLE.
4. HOT WATER RECIRCULATION THERMAL BALANCING VALVE. SET VALVE TO LISTED FLOW RATE, REFER TO DETAIL 21/P801.

1/P201 FIRST FLOOR CONSTRUCTION PLAN - WATER AND GAS
1/8" = 1'-0"

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FIRST FLOOR CONSTRUCTION PLAN - WATER & GAS

STATE OF LOUISIANA
ANDREW MICHAEL WILKINSON
License No. 50733
PROFESSIONAL ENGINEER

Proj #: 24.0002607.000 Reviewed By:

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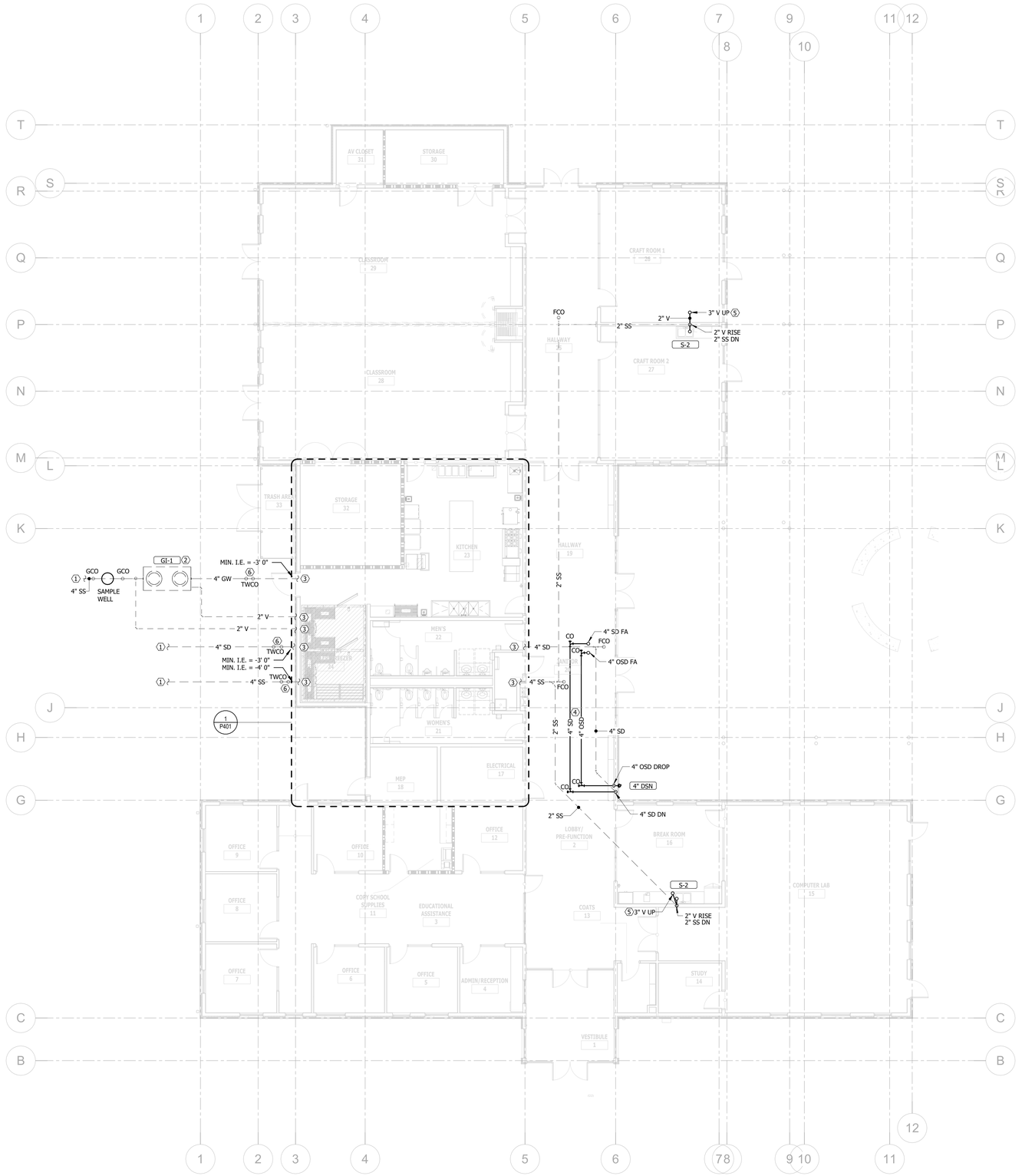

2 P202 FIRST FLOOR CONSTRUCTION PLAN - DWV
1/8" = 1'-0"

KEYED NOTES:

1. REFERENCE SITE UTILITY PLAN FOR CONTINUATION.
2. PROVIDE GREASE INTERCEPTOR WITH RELIEF VENTS, CLEANOUTS, AND SAMPLE WELL. REFER TO DETAILS 3/P800 & 4/P800.
3. REFERENCE PLUMBING ENLARGED PLANS FOR CONTINUATION, P401.
4. STORM DRAIN AND OVERFLOW DRAIN PIPING IN CORRIDOR TO BE ROUTED IN CEILING CAVITY. COORDINATE PIPING TO BE BETWEEN MECHANICAL DUCTWORK.
5. VENT THROUGH ROOF. MAINTAIN 10' 0" CLEARANCE FROM ALL OUTSIDE AIR INTAKES.
6. INSTALL 2-WAY GRADE CLEANOUT, REFER TO DEATIL 8/P800.

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FIRST FLOOR CONSTRUCTION PLAN - DWV

STATE OF LOUISIANA
ANDREW MICHAEL WILKINSON
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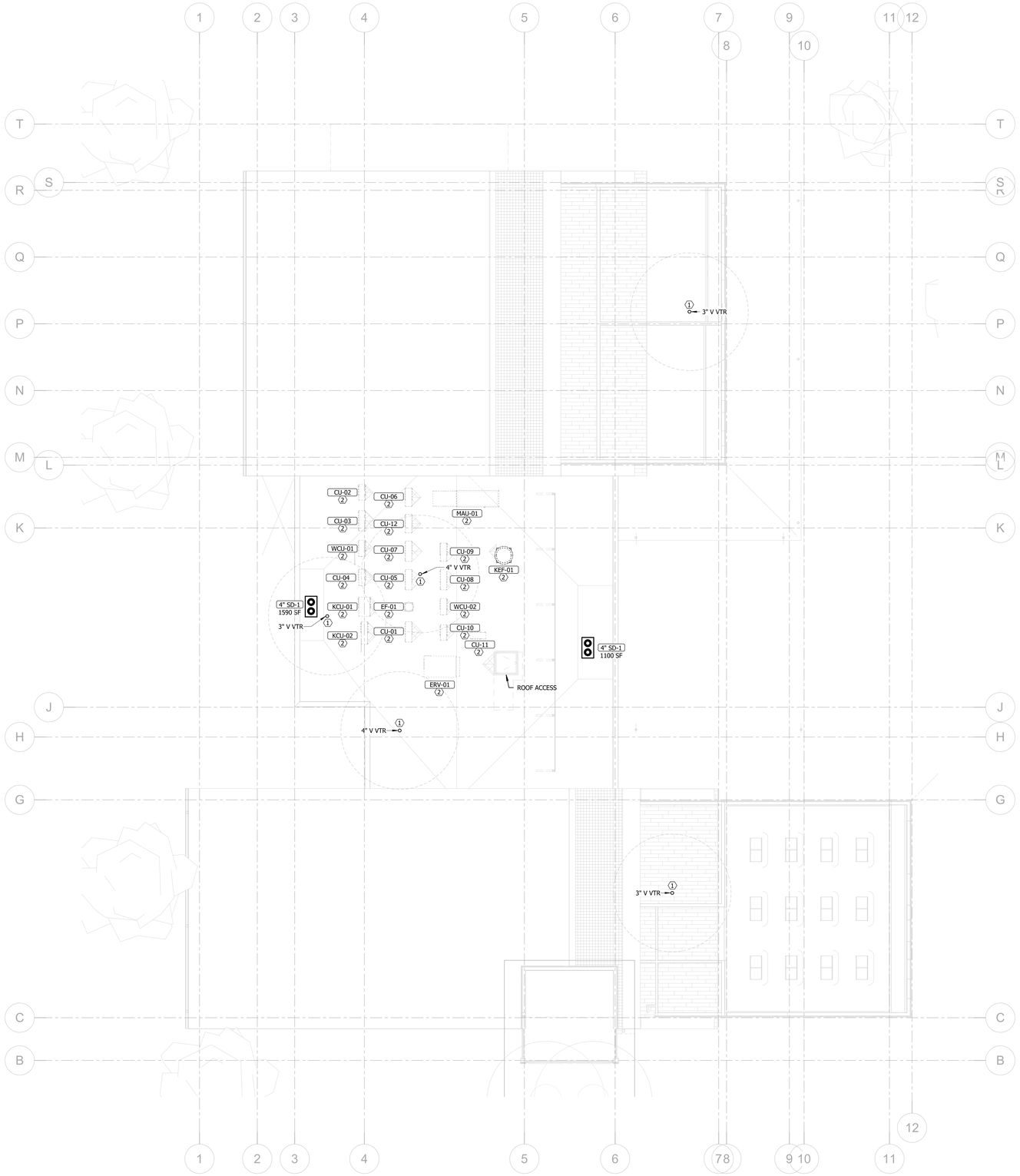

KEYED NOTES:

1. VENT THROUGH ROOF, MAINTAIN 10'-0" CLEARANCE FROM OUTSIDE AIR INTAKES. TYPICAL.
2. HVAC EQUIPMENT, SHOWN FOR COORDINATION PURPOSES ONLY. TYPICAL.

1 P301 ROOF PLAN - PLUMBING
1/8" = 1'-0"

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COUSHATTA TRIBE OF LOUISIANA

COUSHATTA TRIBE - EDUCATION BUILDING

1950 CC BEL RD
ELTON, LA 70532

Issue:	No:	Date:
BID SET		2025.12.05

ROOF PLAN - PLUMBING

ANDREW MICHAEL WILKINSON
License No. 50733

Proj #: 24.0002607.000 Reviewed By:

P301

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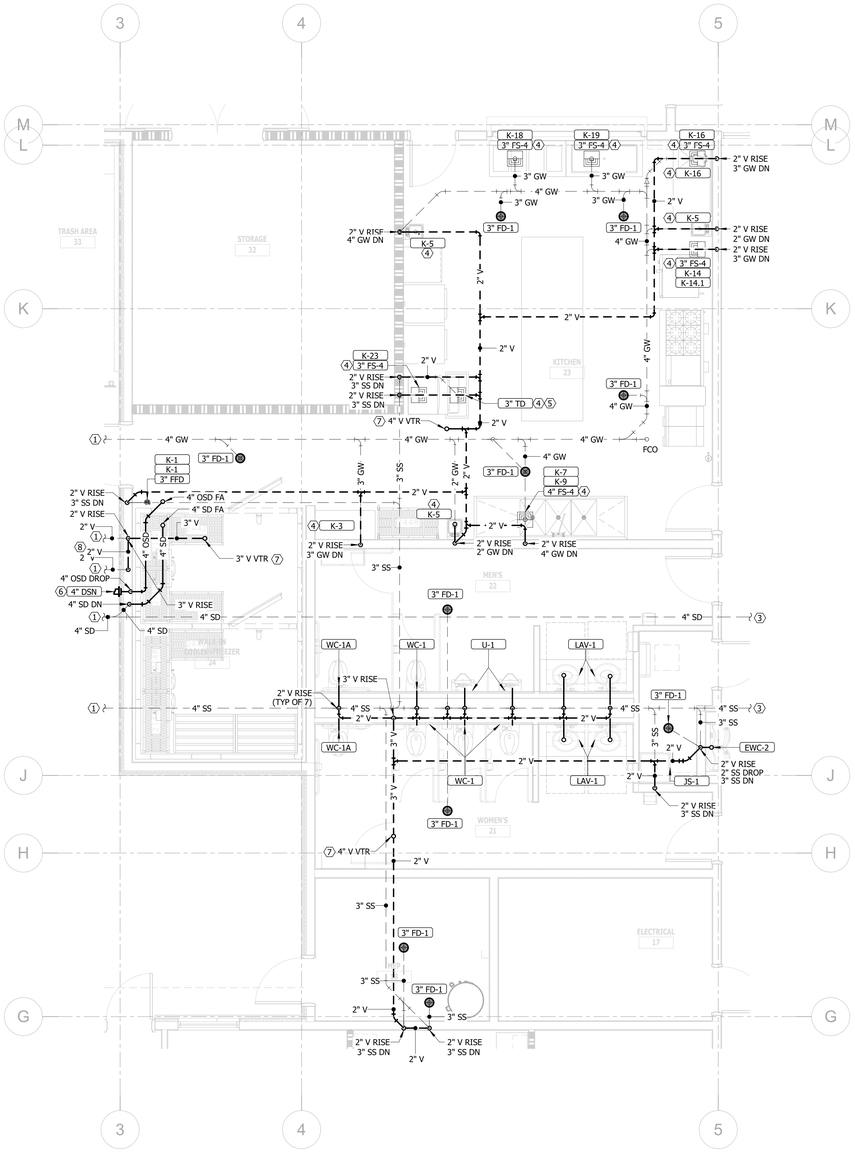
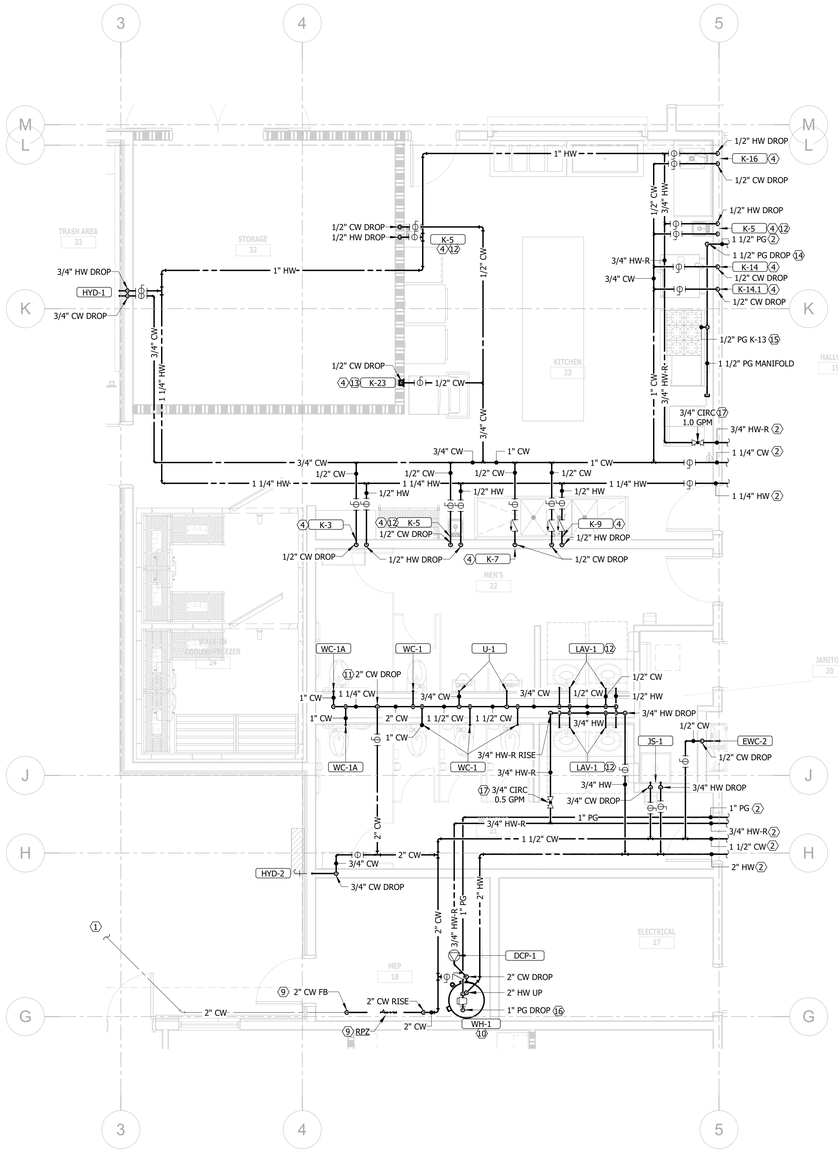


1 P401 FIRST FLOOR CONSTRUCTION PLAN - DWV

1/4" = 1'-0"



2 P401 FIRST FLOOR CONSTRUCTION PLAN - DWV

1/4" = 1'-0"

KEYED NOTES:

1. REFER TO PLUMBING SITE PLAN, P101, FOR CONTINUATION.
2. REFER TO PLUMBING WATER & GAS FLOOR PLAN, P201, FOR CONTINUATION.
3. REFER TO PLUMBING DWV FLOOR PLAN, P202, FOR CONTINUATION.
4. KITCHEN EQUIPMENT PROVIDED BY OTHER. PLUMBING CONTRACTOR TO INSTALL PLUMBING CONNECTIONS, INDIRECT WASTE PIPING AND FLOOR RECEPTORS FOR EQUIPMENT. COORDINATE CONNECTION POINTS WITH KITCHEN EQUIPMENT PLANS PRIOR TO CONSTRUCTION. TYPICAL.
5. 3" TRENCH DRAIN FURNISHED BY OTHER, TO BE INSTALLED BY PLUMBING CONTRACTOR.
6. OVERFLOW STORM DRAIN DOWNSPOUT TO BE MOUNTED AT APPROXIMATELY 18" A.F.F. COORDINATE WITH MASONRY.
7. VENT THROUGH ROOF. MAINTAIN 10' 0" CLEARANCE FROM ALL OUTSIDE AIR INTAKES.
8. GREASE INTERCEPTOR RELIEF VENTS UP IN WALL, COMBINE AT 4' 0" A.F.F. BEFORE ROUTING UP TO ROOF. NOT TO BE COMBINED WITH ANY OTHER PLUMBING VENT LINES.
9. 2" WATER UP TO WATER SERVICE WITH 2" REDUCED PRESSURE ZONE ASSEMBLY. REFER TO DETAILS 2/P801 & 3/P801.
10. 2" COLD WATER, 2" HOT WATER, AND 3/4" HOT WATER RECIRCULATION LINE TO CONNECT TO WATER HEATER. REFER TO DETAIL 1/P800.
11. 2" COLD WATER DROP IN RESTROOM WALL. PROVIDE WATER HAMMER ARRESTOR BEHIND ACCESS PANEL IN WALL WITH SHUTOFF VALVE.
12. PROVIDE ASSE 1070 COMPLIANT MIXING VALVE AT ALL LAVATORIES AND HAND SINKS. SET OUTLET TEMPERATURE TO 105° F.
13. PROVIDE DUAL CHECK VALVE AT ICE MACHINE, MOUNT ON WALL BEHIND FIXTURE.
14. 1 1/2" PROPANE LINE DOWN TO MANIFOLD BEHIND COOKLINE. PROVIDE MANUAL SHUTOFF VALVE, SOLENOID VALVE, AND DRIP LEG. SOLENOID VALVE TO BE INTERLOCKED WITH HOOD ANSUL SYSTEM.
15. 1/2" PROPANE CONNECTION TO COOKLINE EQUIPMENT, BY OTHER. PLUMBING CONTRACTOR TO PROVIDE SHUTOFF VALVE AND FLEXIBLE CONNECTOR, AND TO MAKE FINAL CONNECTION TO EQUIPMENT. REFER TO DETAILS 10/P801 & 11/P801.
16. 1" PROPANE LINE DOWN TO WATER HEATER, PROVIDE SHUTOFF VALVE, DRIP LEG, AND UNION VALVE AT CONNECTION.
17. HOT WATER RECIRCULATION BALANCING VALVE. SET VALVE TO LISTED FLOW RATE, REFER TO DETAIL 21/P801.

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COUSHATTA TRIBE OF LOUISIANA

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COUSHATTA TRIBE - EDUCATION BUILDING

1950 CC BEL RD
ELTON, LA 70532

Issue:	No:	Date:
BID SET		2025.12.05

ENLARGED PLANS - PLUMBING

ANDREW MICHAEL WILKINSON
License No. 50733

Proj #: 24.0002607.000 Reviewed By:

P401

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THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT PLOTTED ORIGINAL PAGE SIZE

THE SQUARES ABOVE ARE SOLID, WITH BLACK AND WHITE LEVELS, AT PLOTTED DENSITY

2018 International Plumbing Code (IPC)

CHAPTER 7 SANITARY DRAINAGE

TABLE 710.1(1)
BUILDING DRAINS AND SEWERS

DIAMETER OF PIPE (inches)	MAXIMUM NUMBER OF DRAINAGE FIXTURE UNITS CONNECTED TO ANY PORTION OF THE BUILDING DRAIN OR THE BUILDING SEWER, INCLUDING BRANCHES OF THE BUILDING DRAIN[a]			
	Slope per foot			
	1/16 inch	1/8 inch	1/4 inch	1/2 inch
1 1/4	—	—	1	1
1 1/2	—	—	3	3
2	—	—	21	26
2 1/2	—	—	24	31
3	—	36	42	50
4	—	180	216	250
5	—	390	480	575
6	—	700	840	1,000
8	1,400	1,600	1,920	2,300
10	2,500	2,900	3,500	4,200
12	3,900	4,600	5,600	6,700
15	7,000	8,300	10,000	12,000

For SI: 1 inch = 25.4 mm, 1 inch per foot = 83.3 mm/m.

a. The minimum size of any *building drain* serving a water closet shall be 3 inches.

2018 International Plumbing Code (IPC)

CHAPTER 7 SANITARY DRAINAGE

TABLE 710.1(2)
HORIZONTAL FIXTURE BRANCHES AND STACKS[a]

DIAMETER OF PIPE (inches)	MAXIMUM NUMBER OF DRAINAGE FIXTURE UNITS (dfu)			
		Stacks[b]		
	Total for horizontal branch	Total discharge into one branch interval	Total for stack of three branch intervals or less	Total for stack greater than three branch intervals
1 1/2	3	2	4	8
2	6	6	10	24
2 1/2	12	9	20	42
3	20	20	48	72
4	160	90	240	500
5	360	200	540	1,100
6	620	350	960	1,900
8	1,400	600	2,200	3,600
10	2,500	1,000	3,800	5,600
12	3,900	1,500	6,000	8,400
15	7,000	Note c	Note c	Note c

For SI: 1 inch = 25.4 mm.

a. Does not include branches of the building drain. Refer to Table 710.1(1).
b. Stacks shall be sized based on the total accumulated connected load at each story or branch interval. As the total accumulated connected load decreases, stacks are permitted to be reduced in size. Stack diameters shall not be reduced to less than one-half of the diameter of the largest stack size required.
c. Sizing load based on design criteria.

2018 International Plumbing Code (IPC)

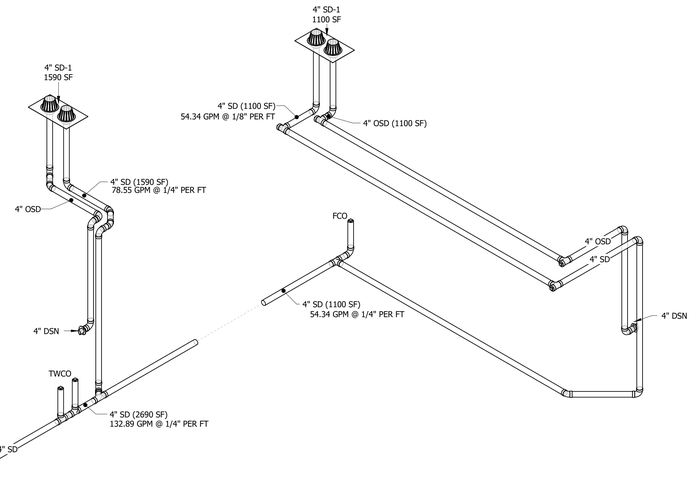
CHAPTER 11 STORM DRAINAGE

TABLE 1106.2
STORM DRAIN PIPE SIZING

PIPE SIZE (inches)	CAPACITY (gpm)				
	VERTICAL DRAIN	SLOPE OF HORIZONTAL DRAIN			
		1/16 inch per foot	1/8 inch per foot	1/4 inch per foot	1/2 inch per foot
2	34	15	22	31	44
3	87	39	55	79	111
4	180	81	115	163	231
5	311	117	165	234	331
6	538	243	344	487	689
8	1,117	505	714	1,010	1,429
10	2,050	927	1,311	1,855	2,623
12	3,272	1,480	2,093	2,960	4,187
15	5,543	2,508	3,546	5,016	7,093

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 gallon per minute = 3.785 L/m.

STORM DRAIN SYSTEM IS BASED ON A RAIN FALL RATE OF 4.75" PER HOUR.
GPM = 0.0104 X RAINFALL RATE X AREA
GPM = 0.0494 GPM PER SF



2 P601 RISER DIAGRAM - STORM
NOT TO SCALE

1 P601 RISER DIAGRAM - DWV
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COUSHATTA TRIBE OF LOUISIANA

COUSHATTA TRIBE - EDUCATION BUILDING

1950 CC BEL RD
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RISER DIAGRAM - DWV & STORM

STATE OF LOUISIANA
ANDREW MICHAEL WILKINSON
License No. 50733
REGISTERED ENGINEER

Proj #: 24.0002607.000 Reviewed By:

P601

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THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT PRINTED ORIGINAL PAGE SIZE

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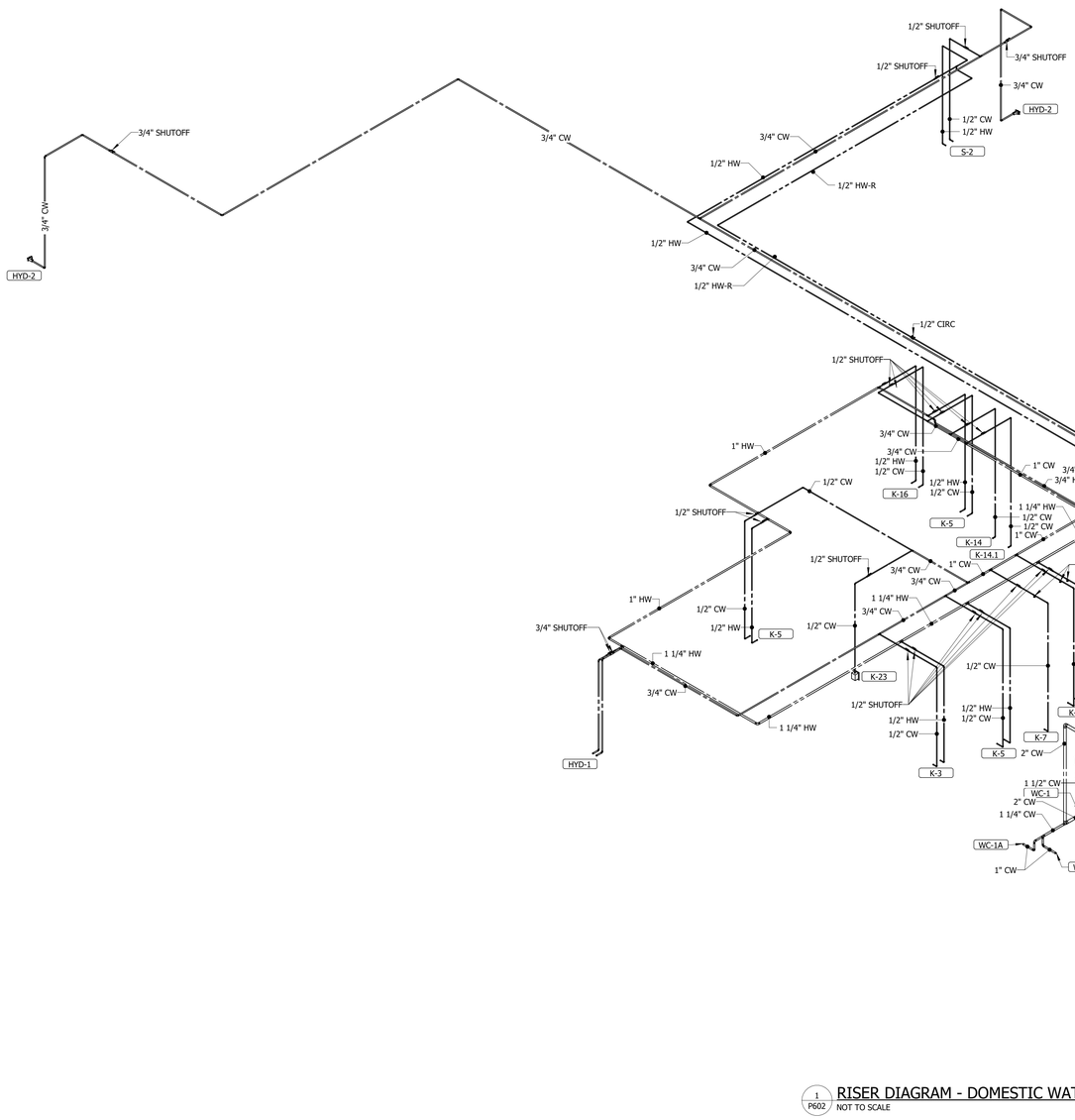

2 P602 RISER DIAGRAM - PROPANE
NOT TO SCALE

1 P602 RISER DIAGRAM - DOMESTIC WATER
NOT TO SCALE

LIQUID PETROLEUM GAS SYSTEM DESIGN NOTES
PIPE SIZING IS BASED ON THE 2018 INTERNATIONAL FUEL GAS CODE, TABLE 402.4(28)
TOTAL DEVELOPED LENGTH: 175 FT
TOTAL CONNECTED GAS LOAD: 509,000 BTU/H
PIPING MATERIAL: SCHEDULE 40 BLACK STEEL
DESIGN PRESSURE: 11" W.C.
PRESSURE DROP: 0.5" W.C.

2018 International Fuel Gas Code (IFGC)

CHAPTER 4 GAS PIPING INSTALLATIONS

TABLE 402.4(28)
SCHEDULE 40 METALLIC PIPE

Gas	Undiluted Propane
Inlet Pressure	11.0 in. w.c.
Pressure Drop	0.5 in. w.c.
Specific Gravity	1.50

INTENDED USE	**Pipe sizing between single- or second-stage (low pressure) regulator and appliance.**								
PIPE SIZE (inch)									
Nominal	**1/2**	**3/4**	**1**	**1 1/4**	**1 1/2**	**2**	**2 1/2**	**3**	**4**
Actual ID	**0.622**	**0.824**	**1.049**	**1.380**	**1.610**	**2.067**	**2.469**	**3.068**	**4.026**
Length (ft)	**Capacity in Thousands of Btu per Hour**								
10	291	608	1,150	2,350	3,520	6,790	10,800	19,100	39,000
20	200	418	787	1,620	2,420	4,660	7,430	13,100	26,800
30	160	336	632	1,300	1,940	3,750	5,970	10,600	21,500
40	137	287	541	1,110	1,660	3,210	5,110	9,030	18,400
50	122	255	480	985	1,480	2,840	4,530	8,000	16,300
60	110	231	434	892	1,340	2,570	4,100	7,250	14,800
70	101	212	400	821	1,230	2,370	3,770	6,670	13,600
80	94	197	372	763	1,140	2,200	3,510	6,210	12,700
90	89	185	349	716	1,070	2,070	3,290	5,820	11,900
100	84	175	330	677	1,010	1,950	3,110	5,500	11,200
125	74	155	292	600	899	1,730	2,760	4,880	9,950
150	67	140	265	543	814	1,570	2,500	4,420	9,010
175	62	129	243	500	749	1,440	2,300	4,060	8,290
200	58	120	227	465	697	1,340	2,140	3,780	7,710
250	51	107	201	412	618	1,190	1,900	3,350	6,840
300	46	97	182	373	560	1,080	1,720	3,040	6,190
350	42	89	167	344	515	991	1,580	2,790	5,700
400	40	83	156	320	479	922	1,470	2,600	5,300
450	37	78	146	300	449	865	1,380	2,440	4,970
500	35	73	138	283	424	817	1,300	2,300	4,700
550	33	70	131	269	403	776	1,240	2,190	4,460
600	32	66	125	257	385	741	1,180	2,090	4,260
650	30	64	120	246	368	709	1,130	2,000	4,080
700	29	61	115	236	354	681	1,090	1,920	3,920
750	28	59	111	227	341	656	1,050	1,850	3,770
800	27	57	107	220	329	634	1,010	1,790	3,640
850	26	55	104	213	319	613	978	1,730	3,530
900	25	53	100	206	309	595	948	1,680	3,420
950	25	52	97	200	300	578	921	1,630	3,320
1,000	24	50	95	195	292	562	895	1,580	3,230
1,100	23	48	90	185	277	534	850	1,500	3,070
1,200	22	46	86	176	264	509	811	1,430	2,930
1,300	21	44	82	169	253	487	777	1,370	2,800
1,400	20	42	79	162	243	468	746	1,320	2,690
1,500	19	40	76	156	234	451	719	1,270	2,590
1,600	19	39	74	151	226	436	694	1,230	2,500
1,700	18	38	71	146	219	422	672	1,190	2,420
1,800	18	37	69	142	212	409	652	1,150	2,350
1,900	17	36	67	138	206	397	633	1,120	2,280

PDF from: http://codes.iccsafe.org/content/IFGC2018P4/chapter-4-gas-piping-installations#IFGC2018P4_Ch04_Sec402.4

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RISER DIAGRAM - WATER & GAS

STATE OF LOUISIANA
ANDREW MICHAEL WILKINSON
License No. 50733
PROFESSIONAL ENGINEER

Proj #: 24.0002607.000 Reviewed By:

P602

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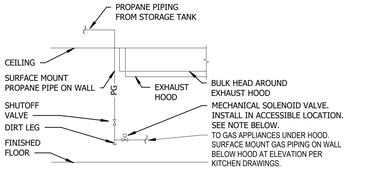
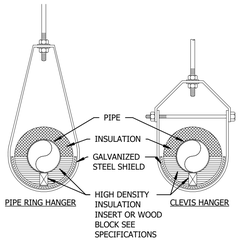
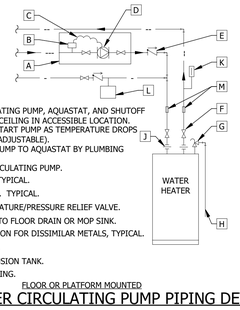


NOTE:
EXHAUST HOOD SUPPLIER TO FURNISH MECHANICAL SOLENOID VALVE AS PART OF THE ANSUL FIRE SUPPRESSION SYSTEM. MECHANICAL CONTRACTOR TO INSTALL. VERIFY SIZE.

9 / P800 GAS PIPING AT DELI HOOD
NOT TO SCALE

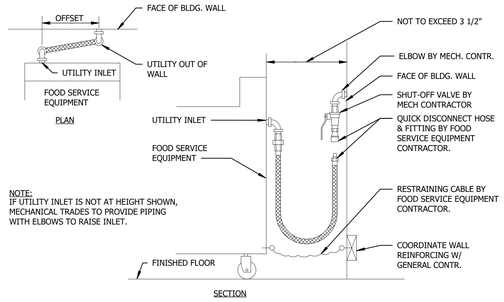


5 / P800 INSULATED PIPE AT HANGER DETAIL
NOT TO SCALE



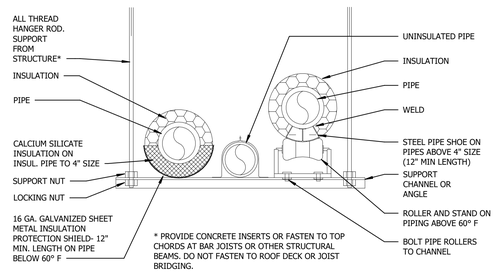
KEYNOTES:
A MOUNT CIRCULATING PUMP, AQUASTAT, AND SHUTOFF VALVES BELOW CEILING IN ACCESSIBLE LOCATION.
B AQUASTAT TO START PUMP AS TEMPERATURE DROPS BELOW 100 °F (ADJUSTABLE).
C WIRING FROM PUMP TO AQUASTAT BY PLUMBING CONTRACTOR.
D HOT WATER CIRCULATING PUMP.
E CHECK VALVE. TYPICAL.
F SHUTOFF VALVE. TYPICAL.
G 125 PSI TEMPERATURE/PRESSURE RELIEF VALVE.
H PIPE FULL SIZE TO FLOOR DRAIN OR MOP SINK.
J DIELECTRIC UNION FOR DISSIMILAR METALS, TYPICAL.
K THERMOMETER.
L THERMAL EXPANSION TANK.
M HEAT TRAP FITTING.
FLOOR OR PLATFORM MOUNTED

1 / P800 HOT WATER CIRCULATING PUMP PIPING DETAIL
NOT TO SCALE



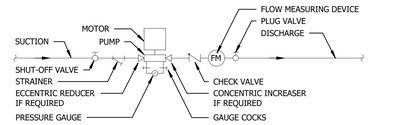
NOTE:
IF UTILITY INLET IS NOT AT HEIGHT SHOWN, MECHANICAL TRADES TO PROVIDE PIPING WITH ELBOWS TO RAISE INLET.

10 / P800 FOOD SERVICE EQUIPMENT - QUICK DISCONNECT HOSE & FITTING DETAIL
NOT TO SCALE

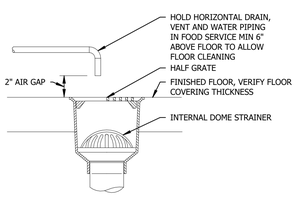


* PROVIDE CONCRETE INSERTS OR FASTEN TO TOP CHORDS AT BAR JOISTS OR OTHER STRUCTURAL BEAMS. DO NOT FASTEN TO ROOF DECK OR JOIST BRIDGING.

6 / P800 TRAPEZE PIPE HANGER DETAIL
NOT TO SCALE



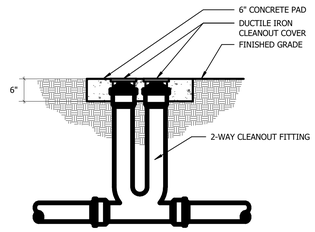
2 / P800 PUMP DETAIL - INLINE
NOT TO SCALE



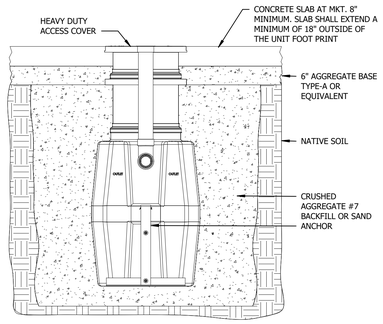
NOTE:
IF EQUIPMENT IS NOT SUPPLIED WITH OUTLET CONNECTION, DIVISION 23 IS TO PROVIDE PIPING WITH ELBOWS AS REQUIRED TO ALLOW HOSE TO LOOP AS INDICATED.

11 / P800 EQUIPMENT GAS PIPING CONNECTION
1/8" = 1'-0"

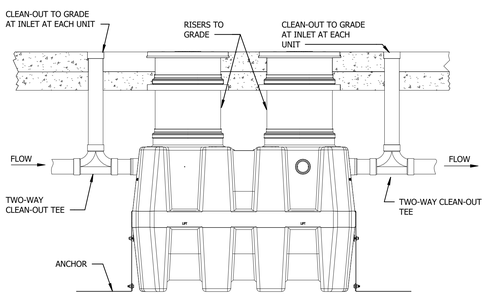
7 / P800 FLOOR SINK
NOT TO SCALE



8 / P800 TWO-WAY CLEANOUT DETAIL
NOT TO SCALE



3 / P800 GREASE INTERCEPTOR EXCAVATION DETAIL
NOT TO SCALE



4 / P800 GREASE INTERCEPTOR SIDE VIEW DETAIL
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COUSHATTA TRIBE OF LOUISIANA

COUSHATTA TRIBE - EDUCATION BUILDING

1950 CC BEL RD
ELTON, LA 70532

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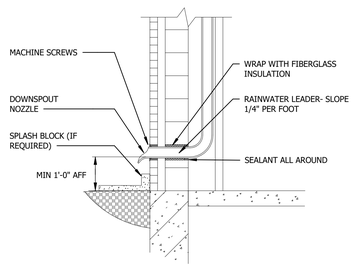
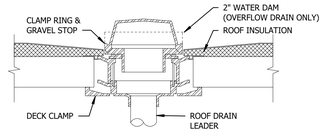
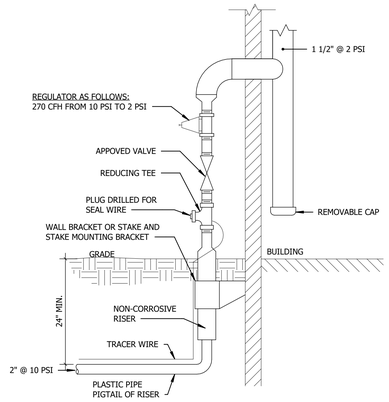
4 P801 RAINWATER THROUGH FOUNDATION WALL
NOT TO SCALE



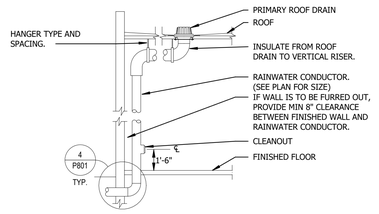
12 P801 RAINWATER LEADER NOZZLE OUTLET DETAIL
NOT TO SCALE



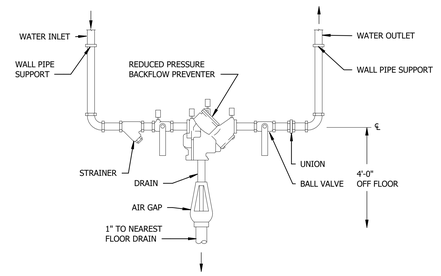
8 P801 ROOF AND OVERFLOW DRAIN DETAIL
NOT TO SCALE



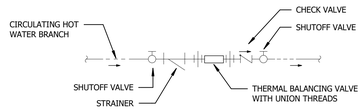
20 P801 GAS PIPING TERMINATION
NOT TO SCALE



9 P801 RAINWATER CONDUCTOR - PRIMARY DRAIN
NOT TO SCALE



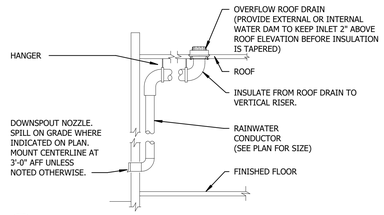
2 P801 BACKFLOW PREVENTER DETAIL
NOT TO SCALE



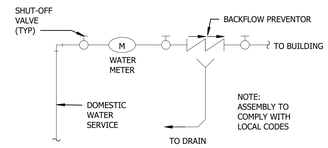
NOTES:

1. BALANCING VALVE SHALL BE SIMILAR TO CIRCUIT SOLVER CSUAS FOR PIPE SIZE SHOWN ON PLANS AND TEMPERATURE TO BE DELIVERED.
2. PROVIDE AT EACH RECIRCULATED BRANCH LINE.

21 P801 THERMAL BALANCING VALVE DETAIL
NOT TO SCALE



10 P801 OVERFLOW RAIN WATER CONDUCTOR
NOT TO SCALE



3 P801 WATER SERVICE PIPING DETAIL
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DOMESTIC FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER	MODEL	PRODUCT TYPE	SUPPORT BASIS OF DESIGN	FAUCET / TRIM BASIS OF DESIGN	WATER PERFORMANCE REQUIREMENTS					ROUGH-IN				REMARKS
						MANUFACTURER M/N	DESIGN FLOW (GPM)	FLOW DURATION (S)	MAX CYCLE GPC (GAL)	MAX FLUSH GPF (GAL)	MIN FLUSH GPF (GAL)	WASTE ROUGH-IN SIZE	VENT ROUGH-IN SIZE	DOM. COLD WATER ROUGH-IN SIZE	DOM. HOT WATER ROUGH-IN SIZE	
DSN	DOWNSPOUT NOZZLE	MIFAB	R1940	OVERFLOW DOWNSPOUT	WALL MOUNT											DOWNSPOUT NOZZLE TO BE INSTALLED NO LESS THAN 12" ABOVE GRADE. COORDINATE WITH EXTERIOR FINISH.
EWC-2	WATER COOLER	ELKAY	EZSTL8WSSK	BOTTLE FILLING STATION	WALL MOUNT		0.1	15	0.03				1 1/2"	1/2"		SINGLE LEVEL WALL HUNG WATER COOLER WITH BOTTLE FILLING STATION. THE UNIT SHALL BE COMPLETE WITH CABINET, MOUNTING FRAME, SELF CLOSING EASY TOUCH SIDE AND FRONT PUSHBAR CONTROLS, FLEXIGUARD SAFETY BUBBLER, REFRIGERATING SYSTEM, AIR COOLED, 120 VOLT, 60 CYCLE, SINGLE PHASE POWER CONNECTION, FULLY AUTOMATIC, COMPLETE AND READY TO OPERATE.
HYD-1	HYDRANT	WOODFORD	B22CC	MIXING EXTERIOR	WALL MOUNT		5.0	300	25					3/4"	3/4"	MIXING WALL HYDRANT IN FLUSH MOUNTED WALL BOX, WITH DOUBLE CHECK BACKFLOW PREVENTER, VALVE ON THE INSIDE OF THE WALL, SPOUT WITH BACKFLOW PREVENTER, AND LOOSE KEY SOCKET ON THE OUTSIDE OF THE WALL. BASIS OF DESIGN IS FOR THE CLOSE COUPLED MODEL. MAKE ARRANGEMENTS WITH THE GENERAL CONTRACTOR TO PROVIDE THE NECESSARY RECESS IN THE WALL. WHERE A RISER TO A WALL HYDRANT OCCURS IN AN OUTSIDE WALL THE CONTRACTOR SHALL INSULATE THE CHASE WITH 2 " STYROFOAM INSULATION ON ALL SIDES OF THE CHASE, EXCEPT THE INSIDE WALL OF THE CHASE. PROVIDE SHUTOFF VALVES ON COLD AND HOT WATER IN ACCESSIBLE LOCATION.
HYD-2	HOSE BIBB	WOODFORD	67	INSIDE SILL FITTING	WALL MOUNT		5.0	300	25					3/4"		INTERIOR HOSE BIBB WITH VACUUM BREAKER, 3/4" HOSE THREAD OUTLET, LOCK SHIELD CAP, AND REMOVABLE "TEE" HANDLE. PROVIDE SHUTOFF VALVE IN COLD WATER SUPPLY AHEAD OF HOSE BIBB.
JS-1	JANITOR SINK	FIAT	MSB-2424	MOP SERVICE BASIN	Floor Set	CHICAGO FAUCET / 897-CP	2.2	240	8.8							SERVICE BASIN WITH CAP ON TWO SIDES, WITH CHROME PLATED 3 " DRAIN AND CAST IRON TRAP. FAUCET SHALL INCLUDE PAIL HOOK AND ATMOSPHERIC VACUUM BREAKER SPOUT. FURNISH 5 -0" LENGTH OF 5-PLY GARDEN HOSE AND FITTINGS.
LAV-1	LAVATORY	AMERICAN STANDARD	OVALYN	UNDERCOUNTER MOUNT ADA	Counter Set	CHICAGO FAUCETS / 116.976.AB.1	0.5	12	0.1							UNDERCOUNTER LAVATORY, SELF-RIMMING, FAUCET HOLES ON 4 " CENTERS. DECK-MOUNTED FAUCET WITH SENSOR, WATER TURBINE POWER WITH VANDAL RESISTANT SPRAY, EXTERNAL ASSE 1070 COMPLIANT THERMOSTATIC MIXING VALVE, GRID DRAIN, LOOSE KEY ANGLE STOPS AND SUPPLIES. MOUNT AT ADA COMPLIANT HEIGHT. INSULATE WATER AND WASTE TO MEET ADA REQUIREMENTS USING ADA INSULATION KIT.
OB-1	OUTLET BOX	SIOUX CHIEF	696-RG1010MF	WATER CONNECTION	Recessed		0.5									DOMESTIC COLD WATER OUTLET BOX. CONTRACTOR TO PROVIDE WITH SHUTOFF VALVE
S-2	SINK	ELKAY	ELUHAD291855	DUAL BOWL	UNDER MOUNT	ELKAY / LK1000	1.0	240	4			2"	2"	1/2"	1/2"	TWO COMPARTMENT, 16 GAUGE, DUAL LEVER SWIVEL FAUCET WITH 14" SPOUT, TWO AERO MODEL NO. S-17 BASKET ASSEMBLY, P-TRAP, TAILPIECES, SUPPLIES AND STOPS.
U-1	URINAL	AMERICAN STANDARD	WASHBROOK	WALL HUNG	WALL MOUNT	SLOAN / 8186				0.125	0.125		1 1/2"	3/4"		WALL HUNG URINAL WITH WASHOUT ACTION, TOP SPUD, SIZE 18 " WITH INTEGRAL EXTENDED SHIELDS SUPPORTED BY THROUGH GOING BOLTS AND C.P. NUTS. SOLAR POWERED SENSOR ACTIVATED FLUSHOMETER.
WC-1	WATER CLOSET	AMERICAN STANDARD	AFWALL	FLUSH VALVE	WALL MOUNT	SLOAN / 8111-1.28				1.28	1.28		2"	1"		ELONGATED WALL HUNG WATER CLOSET, 1-1/2 " TOP SPUD, WITH CHURCH 295CT ELONGATED OPEN FRONT SEAT. SOLAR POWERED SENSOR ACTIVATED FLUSHOMETER.
WC-1A	WATER CLOSET	AMERICAN STANDARD	AFWALL	FLUSH VALVE ADA	WALL MOUNT	SLOAN / 8111-1.28				1.28	1.28		2"	1"		ELONGATED WALL HUNG WATER CLOSET, 1-1/2 " TOP SPUD, WITH CHURCH 295CT ELONGATED OPEN FRONT SEAT. SOLAR POWERED SENSOR ACTIVATED FLUSHOMETER. INSTALL AT ADA COMPLIANT HEIGHT.

GREASE INTERCEPTOR SCHEDULE

TAG	DESCRIPTION	MANUFACTURER	MODEL	PRODUCT TYPE	INSTALLATION TYPE	MATERIAL DESCRIPTION	DESIGN FLOW	COVER SIZE	COVER THICKNESS	MINIMUM INTERCEPTOR CAPACITIES			INLET PIPE	OUTLET PIPE	WEIGHT	REMARKS
										LIQUID	GREASE	SOLIDS				
GI-1	GREASE INTERCEPTOR	SCHIER	GB-75	HYDROMECHANICAL	Below Grade	POLYPROPYLENE	50.0 GPM	24"	1.000"	125.0 gal	861.0 lbm	31.0 gal	4"	4"	190 lb	HYDROMECHANICAL GREASE INTERCEPTOR TO BE PROVIDED WITH RELIEF VENTS AND SAMPLE WELL. INSTALL PER MANUFACTURER'S REQUIREMENTS.

DRAINAGE FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER	MODEL	PRODUCT TYPE	MATERIAL DESCRIPTION	STRAINER TYPE	WASTE SIZE	REMARKS
FD-1	Floor Drain	Watts	FD-100-A	Round Strainer	Cast Iron	Nickel Bronze	3"	EPOXY COATED CAST IRON FLOOR DRAIN WITH ANCHOR FLANGE, REVERSIBLE CLAMPING COLLAR WITH PRIMARY & SECONDARY WEEPHOLES, ADJUSTABLE ROUND HEEL PROOF NICKEL BRONZE STRAINER, AND NO HUB OUTLET. PROVIDE WITH TRAP GUARD.
FS-4	Floor Sink	Watts	Fs-740	12" Square X 8" Deep	Cast Iron	Aluminum	3"	12" SQUARE X 8" DEEP SANITARY FLOOR SINK WITH WHITE PORCELAIN ENAMEL COATED INTERIOR, LOOSE SET PORCELAIN ENAMEL COATED CAST IRON GRATE, ALUMINUM DOME BOTTOM STRAINER, AND NO HUB OUTLET. PROVIDE WITH TRAP GUARD.
FS-4	Floor Sink	Watts	Fs-740	12" Square X 8" Deep	Cast Iron	Aluminum	4"	12" SQUARE X 8" DEEP SANITARY FLOOR SINK WITH WHITE PORCELAIN ENAMEL COATED INTERIOR, LOOSE SET PORCELAIN ENAMEL COATED CAST IRON GRATE, ALUMINUM DOME BOTTOM STRAINER, AND NO HUB OUTLET. PROVIDE WITH TRAP GUARD.
FFD	Hub Drain	WATTS	FD-100-EG	DRAIN WITH OVAL FUNNEL	EPOXY COATED CAST IRON	NICKEL BRONZE	3"	EPOXY COATED CAST IRON FLOOR DRAIN WITH ANCHOR FLANGE, REVERSIBLE CLAMPING COLLAR WITH PRIMARY & SECONDARY WEEPHOLES, ADJUSTABLE HEEL PROOF NICKEL BRONZE STRAINER WITH 4" X 9" OVAL NICKEL BRONZE FUNNEL, AND NO HUB OUTLET. PROVIDE WITH TRAP GUARD.
SD-1	Combination Drain	MIFAB	R1270	Combined Large Sump With Secondary Overflow	Lacquered Cast Iron	Polyethylene	4"	COMBINED LARGE SUMP ROOF DRAIN AND SECONDARY OVERFLOW SYSTEM; CONSISTING OF 24" X 42" GALVANIZED SUMP RECEIVER, TWO ROOF DRAIN BODIES WITH 15" DIAMETER ANCHOR FLANGE, CAST IRON WATERPROOFING MEMBRANE CLAMP RINGS WITH INTEGRAL GRAVEL STOP, ONE 4" ABS OVERFLOW STANDPIPE AND TWO SELF-LOCKING DOME STRAINERS WITH A COMBINED FREE AREA OF 250 SQUARE INCHES.

GAS-FIRED WATER HEATER SCHEDULE

ID	MANUFACTURER	MODEL NO.	TYPE	GAS BURNER		WATERSIDE		UNIT WEIGHT	FLA	MCA	MOCP	VOLT	PH	REMARKS
				CAP	FUEL TYPE	STORAGE RECOVERY	VOL							
WH-1	AO SMITH	BTH-199	CONDENSING	199,000 Btu/h	LP	235 gal/h	100.0 gal	1388 lb	0.0 A	0.0 A	0.0 A	120 V	1	PROVIDE ASSE 1017 COMPLIANT MIXING VALVE; POWERS SERIES LFSH OR EQUAL.

DOMESTIC CIRCULATING PUMP SCHEDULE

TAG	SYSTEM	MANUFACTURER	MODEL NO.	PUMP			MOTOR	UNIT WEIGHT	OPTIONS		FLA	MCA	MOCP	VOLT	PH	REMARKS
				DESIGN FLOW	HEAD	DRIVE TYPE	POWER		AQUASTAT	TIMER KIT						
DCP-1	DOM. HW-R	BELL & GOSSETT	ECOCIRC E3-6V	3.0 GPM	6.0 FT	DIRECT	28 W	6 lb	Yes	Yes	1.0 A	1.2 A	0.0 A	120 V	1	INSTALL RECIRCULATION PUMP PER MANUFACTURER'S INSTRUCTIONS. PROVIDE WITH AQUASTAT AND TIMER KIT. PROVIDE WITH SHUTOFF VALVES FOR SERVICING.

KITCHEN EQUIPMENT SCHEDULE

TAG	DESCRIPTION	QTY	DOMESTIC CONNECTIONS			DRAIN-WASTE-VENT						PROPANE GAS SUPPLY			REMARKS
			COLD WATER	HOT WATER	PIPING SIZE($)	APPLICATION	DRAIN CONNECTION		VENT PIPE CONNECTION	DRAIN SIZE	VENT SIZE	GAS CONNECTION	APPLIANCE CONNECTIO N SIZE	INPUT RATE	
							DIRECT	INDIRECT							
K-1	WALKIN COOLER-FREEZER	2	No	No			No	Yes	No	1/2"					INDIRECT WASTE TO FLOOR DRAIN FUNNEL BY PLUMBING CONTRACTOR.
K-3	JANITOR SINK	1	Yes	Yes	1/2"	Direct to DWV Tee	Yes	No	Yes	3"	3"				
K-5	HAND SINK	3	Yes	Yes	1/2"	Direct to DWV Tee	Yes	No	Yes	1 1/2"	2"				PROVIDE ASSE 1070 COMPLIANT MIXING VALVE, SET TO 105° F.
K-7	DISHWASHER	1	Yes	No	1/2"	Indirect to Receptor	No	Yes	No	5/8"					3/4" GARDEN HOSE STYLE CONNECTION, MINIMUM 55° F INCOMING COLD WATER SUPPLY. INDIRECT WASTE TO FLOOR SINK BY PLUMBING CONTRACTOR.
K-9	3-COMP SINK	1	Yes	Yes	1/2"	Indirect to Receptor	No	Yes	No	2"					INDIRECT WASTE TO FLOOR SINK BY PLUMBING CONTRACTOR.
K-13	RANGE	1	No	No			No		No	1/2"		Yes	1/2"	310,000 Btu/h	
K-14	COMBI OVEN - LOWER	1	Yes	No	1/2"	Indirect to Receptor	No	Yes	No	2"					CONNECT THRU WATER FILTER SYSTEM, BRANCH OUTPUT TO COMBI GENERATOR INLET CONNECTIONS. INDIRECT WASTE TO FLOOR SINK BY PLUMBING CONTRACTOR.
K-14.1	COMBI OVEN - UPPER	1	Yes	No	1/2"	Indirect to Receptor	No	Yes	No	2"					CONNECT THRU WATER FILTER SYSTEM, BRANCH OUTPUT TO COMBI GENERATOR INLET CONNECTIONS. INDIRECT WASTE TO FLOOR SINK BY PLUMBING CONTRACTOR.
K-16	PREP SINK	1	Yes	Yes	1/2"	Indirect to Receptor	No	Yes	No	1 1/2"					INDIRECT WASTE TO FLOOR SINK BY PLUMBING CONTRACTOR.
K-18	PAN WELL - COLD FOOD	1	No	No			No	Yes	No	1"					INDIRECT WASTE TO FLOOR SINK BY PLUMBING CONTRACTOR.
K-19	PAN WELL - HOT FOOD	1	No	No			No	Yes	No	1"					INDIRECT WASTE TO FLOOR SINK BY PLUMBING CONTRACTOR.
K-23	ICE MAKER	1	Yes	No	1/2"		No	Yes	No	1/2"					CONNECT THRU WATER FILTER SYSTEM, OUTPUT FROM WATER FILTER TO ICE MAKER HEAD ICE MAKER WATER INLET CONNECTION. INDIRECT WASTE TO FLOOR SINK BY PLUMBING CONTRACTOR.
K-24	ICE BIN	1	No	No			No	Yes	No	1"					INDIRECT WASTE TO FLOOR SINK BY PLUMBING CONTRACTOR.

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ABBREVIATIONS

Ø	ROUND	MAX	MAXIMUM
ABV	ABOVE	MBH	ONE THOUSAND BTU PER HOUR
AC	AIR CONDITIONING	MCF	ONE THOUSAND CUBIC FEET
ADD	ADDENDUM	MD	MOTORIZED DAMPER
AFF	ABOVE FINISHED FLOOR	MECH	MECHANICAL
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY	MFR	MANUFACTURER
		MIN	MINIMUM
ALT	ALTERNATE	MISC	MISCELLANEOUS
AP	ACCESS PANEL	MTR	MOTOR
ARCH	ARCHITECT/ARCHITECTURAL	MU/A	MAKE-UP/AIR
BFF	BELOW FINISHED FLOOR	NC	NOISE CRITERIA
BLW	BELOW	NC	NORMALLY CLOSED
BTU	BRITISH THERMAL UNITS	NIC	NOT IN CONTRACT
BTUH	BRITISH THERMAL UNITS PER HOUR	NO	NUMBER
CAP	CAPACITY	NO	NORMALLY OPEN
CB	CATCH BASIN	NTS	NOT TO SCALE
CFM	CUBIC FEET PER MINUTE	O	OXYGEN
CLG	CEILING	O/A	OUTSIDE AIR
D	DEGREE	PD	PRESSURE DROP
DB	DRY BULB	PIV	POST INDICATOR VALVE
DIA	DIAMETER	PICV	POST INDICATOR CONTROL VALVE
DN	DOWN		
EA	EACH	PLBG	PLUMBING
EAT	ENTERING AIR TEMPERATURE	PRESS	PRESSURE
ELEC	ELECTRICAL	PRV	PRESSURE REDUCING VALVE
EQUIP	EQUIPMENT	PSI	POUNDS PER SQUARE INCH
EWT	ENTERING WATER TEMPERATURE	PSIG	POUNDS PER SQUARE INCH GAUGE
E/A	EXHAUST AIR		
EXIST	EXISTING	PWR	POWER
F	DEGREES FAHRENHEIT	R	DUCT RISER
FD	FIRE DAMPER	R/A	RETURN AIR
FSD	FIRE SMOKE DAMPER	RCP	RADIANT CEILING PANEL
FL	FLOOR	REC	RECESSED
FO	FUEL OIL	RED	REDUCER
FOV	FUEL OIL VENT	RH	RELATIVE HUMIDITY
FOR	FUEL OIL RETURN	RL/A	RELIEF AIR
FOS	FUEL OIL SUPPLY	RM	ROOM
FPM	FEET PER MINUTE	RPM	REVOLUTIONS PER MINUTE
FS	FLOOR SINK	SF	SQUARE FOOT
FT	FOOT/FEET	S/A	SUPPLY AIR
FTR	FIN TUBE RADIATION	SAN	SANITARY
GAL	GALLON	SF	SQUARE FOOT
GF	GAS-FIRED	SD	SMOKE DAMPER
GC	GENERAL CONTRACTOR	SM	SURFACE MOUNT
GPM	GALLONS PER MINUTE	SP	STANDPIPE
HP	HORSE POWER	SP	STATIC PRESSURE
HTG	HEATING	STM	STEAM
HTR	HEATER	T	THERMOSTAT
HW	HOT WATER	TD	TEMPERATURE DROP
ID	INDIRECT	TDR	TRENCH DRAIN
IN	INCH	TEMP	TEMPERATURE
INV	INVERT	TYP	TYPICAL
LB	POUND	UG	UNDERGROUND
LB/HR	POUNDS PER HOUR	VAC	VACUUM
LAT	LEAVING AIR TEMPERATURE	V	VENT
LP	LOW PRESSURE	VAV	VARIABLE AIR VOLUME
LPG	LIQUEFIED PETROLEUM GAS	VENT	VENTILATION
LVR	LOUVER	W	WASTE
LWT	LEAVING WATER TEMPERATURE	WB	WET BULB
M/A	MIXED AIR		

EQUIPMENT ABBREVIATIONS

AC	AIR CONDITIONING UNIT	ET	EXPANSION TANK
ACCU	AIR COOLING CONDENSING UNIT	EWH	ELECTRIC WATER HEATER
AHU	AIR HANDLING UNIT	FCU	FAN COIL UNIT
AS	AIR SEPARATOR	FP	FIRE PUMP
B	BOILER	GI	GREASE INTERCEPTOR
CH	CHILLER	GRV	GRAVITY ROOF VENTILATOR
CT	COOLING TOWER	HHWP	HEATING HOT WATER PUMP
CUH	CABINET UNIT HEATER	HWP	HOT WATER PUMP
CHWP	CHILLED WATER PUMP	HRU	HEAT RECOVERY UNIT
DBP	DOMESTIC WATER BOOSTER PUMP	PRV	POWER ROOF VENTILATOR
DC	DUCT MOUNTED COIL	RE	RETURN/EXHAUST FAN
DCP	DOMESTIC WATER CIRCULATING PUMP	RTU	ROOFTOP UNIT
EF	EXHAUST FAN	SP	SUMP PUMP
EDC	ELECTRIC DUCT COIL	UH	UNIT HEATER
		WH	WATER HEATER

* NOTE *

ALL OF GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER DRAWINGS IN THIS SET. THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THIS SET OF DRAWINGS.

GENERAL MECHANICAL SYMBOLS

- REVISION NUMBER - SHOWN ON PLANS
- POINT WHERE NEW CONNECTS TO EXISTING
- X / XXXX — NUMBER OF DETAIL ON SHEET / NUMBER OF SHEET WHERE DETAIL APPEARS
- 1 — KEYNOTE
- CONTINUATION SYMBOL
- Room / 5 — ROOM NAME AND NUMBER
- ITEM TO BE DEMOLISHED
- AREA NOT IN CONTRACT

PIPING SYMBOLS

2"	NOMINAL PIPE SIZE
	ABOVE GROUND PIPING
	BELOW GROUND PIPING
1/8" / 12" SLOPE	PIPE SLOPE (WHEN APPLICABLE)
(E)	EXISTING PIPE TO REMAIN
	PIPE TO BE DEMOLISHED
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CD	CONDENSATE DRAIN
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY
GWR	GEO THERMAL WATER RETURN
GWS	GEO THERMAL WATER SUPPLY
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
G	NATURAL GAS
LP	LIQUID PROPANE
RL	REFRIGERANT LIQUID
RS	REFRIDGERANT GAS
RD	REFRIDGERANT DISCHARGE
STM	STEAM SUPPLY
CDR	STEAM CONDENSATE RETURN
	PIPE RISE / DROP

VALVE TYPES

2" SHUTOFF	BALL VALVE
2" BAL	BALANCING VALVE
2" BFV	BUTTERFLY VALVE
2" CHECK	CHECK VALVE
2" CHECK	ALTERNATE CHECK VALVE
3" CIRC	CIRCUIT SETTER
2" GATE	GATE VALVE
2" GLOBE	GLOBE VALVE
2" LOCK	LOCKED SHIELD VALVE
2" PRV	PRESSURE REDUCING VALVE
2" QUICK	QUICK OPENING VALVE
2" STRAIN	FLUID STRAINER
M 2" M-CNTRL	ELEC. CONTROL VALVE
M 4" 3-WAY CNTRL	3-WAY ELEC. VALVE
S 4" GAS-CNTRL	EMERGENCY GAS SHUTOFF
1" PLUG	PLUG VALVE
4" GAS COCK	GAS SHUTOFF COCK
1" REG	GAS REGULATOR

HVAC SYMBOLS

18"x12"	SQUARE DUCT SIZE TAG (WIDTH X HEIGHT)
18"/12"	OVAL DUCT SIZE TAG (WIDTH / HEIGHT)
18"Ø	ROUND DUCT SIZE TAG (DIAMETER)
(E)	EXISTING DUCT TAG
	DUCT BEING DEMOLISHED
18"x18" S/A	SUPPLY AIR
18"x18" S-O/A	CONDITIONED OUTSIDE AIR
18"x18" O/A	OUTSIDE AIR
18"x18" R/A	RETURN AIR
18"x18" T/A	TRANSFER AIR
18"x18" E/A	EHAUST AIR
18"x18" L/A	RELIEF AIR
18"x18" GE/A	GREASE EXHAUST AIR
18"x18" CE/A	CONDENSATE EXHAUST AIR
18"x18" SE/A	SMOKE EXHAUST AIR
6"Ø FLUE	EXHAUST GAS FLUE
6"Ø C/A	COMBUSTION AIR
DROP	RECTANGULAR SUPPLY/OUTSIDE AIR DUCT RISE
DROP	ROUND SUPPLY/OUTSIDE AIR DUCT RISE
DROP	RECTANGULAR RETURN/TRANSFER AIR DUCT RISE
DROP	ROUND RETURN/TRANSFER AIR DUCT RISE
DROP	RECTANGULAR EXHAUST/RELIEF AIR DUCT RISE
DROP	ROUND EXHAUST/RELIEF AIR DUCT RISE
	FLEX DUCT

GRILLES, REGISTERS & DIFFUSERS TAG

SD1 / 50 — TYPE (SEE SCHEDULE) / CFM

PERFORATED DIFFUSER WITH DEFLECTORS	SD3 / 0		
ROUND DIFFUSER WITH ADJUSTABLE PATTERNS	SD9 / 0	EGGCRATE RETURN GRILLE	RG1 / 0
LOUVERED DOUBLE DEFLECTION GRILLE	SG7 / 0	LOUVERED GRILLE	RG6 / 0
LINEAR BAR GRILLE	SLB3		

LINEAR DIFFUSER TAG

SD1 — TYPE (SEE SCHEDULE), CFM

MECHANICAL EQUIPMENT TAGS

HEATING COIL FLOW

BOTTOM OF EQUIPMENT ELEVATION — VAV-XX, AFF10'-0"

EXISTING EQUIPMENT TO REMAIN — (E)VAV-XX

EXISTING RELOCATED EQUIPMENT — (R)VAV-XX

EQUIPMENT BY OTHERS (REFER TO OTHER DISCIPLINE FOR ADDITIONAL INFORMATION) — VAV-XX

OPERATING WEIGHT NOT INCLUDING CURB — RTU-X, **505 LB**

NOMINAL COOLING CAPACITY — RTU-X, 3.0 TON

FUEL INPUT / GAS PIPE FLOW — RTU-X, 115000 BTU/H, 115 CFH

DAMPER TAGS

- SMOKE DAMPER
- FIRE DAMPER
- COMB. FIRE/SMOKE DAMPER
- MANUAL DAMPER
- MOTORIZED DAMPER
- BACKDRAFT DAMPER

DATA DEVICE TAGS

- TS — TEMPERATURE SENSOR
- TH — TEMP/HUMIDITY SENSOR
- T — THERMOSTAT
- H — HUMIDISTAT
- HS — HUMIDITY SENSOR
- CO2 — CARBON DIOXIDE DETECTOR
- CO — CARBON MONOXIDE DETECTOR
- H2 — HYDROGEN GAS DETECTOR

HVAC GENERAL NOTES

1. SUPPLY AND RETURN PIPING TO COILS ARE THE SAME SIZE.
2. CONTRACTOR SHALL LOCATE THERMOSTATS AND TEMPERATURE SENSORS AT ACCESSIBLE HEIGHT, A MINIMUM OF 8" FROM LIGHT SWITCH.
3. REFER TO HVAC DRAWINGS FOR THERMOSTAT AND TEMPERATURE SENSOR LOCATIONS.
4. CONDENSATE DRAINS SHALL BE SUPPLIED FOR ALL COOLING EQUIPMENT. CONTRACTOR SHALL ENSURE PROPER INSTALLATION AND DRAINAGE AS REQUIRED BY FEDERAL, STATE, AND LOCAL CODES. CONDENSATE PIPING SHALL BE TYPE "DWV" COPPER.
5. ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK SHALL BE RATED FOR PRESSURE CLASS OF 2" W.G. UNLESS NOTED OTHERWISE.
6. COORDINATE THE EXACT LOCATION OF ALL CEILING DIFFUSERS, REGISTERS, AND GRILLES WITH NEW AND EXISTING LIGHTING.
7. PROVIDE DIFFUSERS AND REGISTERS WITH 4-WAY BLOW PATTERN UNLESS OTHERWISE NOTED.
8. PROVIDE A 4" HOUSEKEEPING PAD FOR EACH PIECE OF MECHANICAL EQUIPMENT. COORDINATE SIZES WITH MECHANICAL EQUIPMENT SELECTED.
9. THIS CONTRACTOR SHALL BE REQUIRED TO REPLACE FILTERS ON HVAC EQUIPMENT AFTER ALL DUST PRODUCING CONSTRUCTION HAS BEEN COMPLETED AND PRIOR TO THE FINAL PUNCH.
10. INSTALL, SUPPORT, AND BRACE ALL HVAC DUCTWORK AND ACCESSORIES PER "HVAC DUCT CONSTRUCTION STANDARDS" BY SMACNA, ANSI/SMACNA 006-2006 AND "SEISMIC RESTRAINT MANUAL GUIDELINES FOR MECHANICAL SYSTEMS" BY SMACNA, ANSI/SMACNA 001-2008.
11. MAINTAIN MINIMUM SEPARATION BETWEEN OUTSIDE AIR INTAKES OR OTHER OPENINGS INTO THE BUILDING AND OTHER ELEMENTS AS REQUIRED AND AS FOLLOWS:

11.a. PLUMBING VENTS AND EXHAUST OUTLETS: 10'-0" SEPARATION

11.b. ENVIRONMENTAL AIR OUTLETS AND DOMESTIC DRYER VENTS: 3'-0" SEPARATION

11.c. IN HIGH-HUMIDITY AREAS, INCLUDING SHOWER ROOMS, ALL DUCTWORK SHALL BE CONSTRUCTED OF ALUMINUM.

HVAC SHEET INDEX

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COUSHATTA TRIBE OF LOUISIANA

COUSHATTA TRIBE - EDUCATION BUILDING

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50% DESIGN DEVELOPMENT		2024.12.20
BID SET		2025.12.05

SYMBOLS, LEGENDS, AND ABBREVIATIONS - MECHANICAL

STATE OF LOUISIANA
ANDREW MICHAEL WILKINSON
License No. 50733
REGISTERED PROFESSIONAL ENGINEER

Proj #: 24.0002607.000 Reviewed By:

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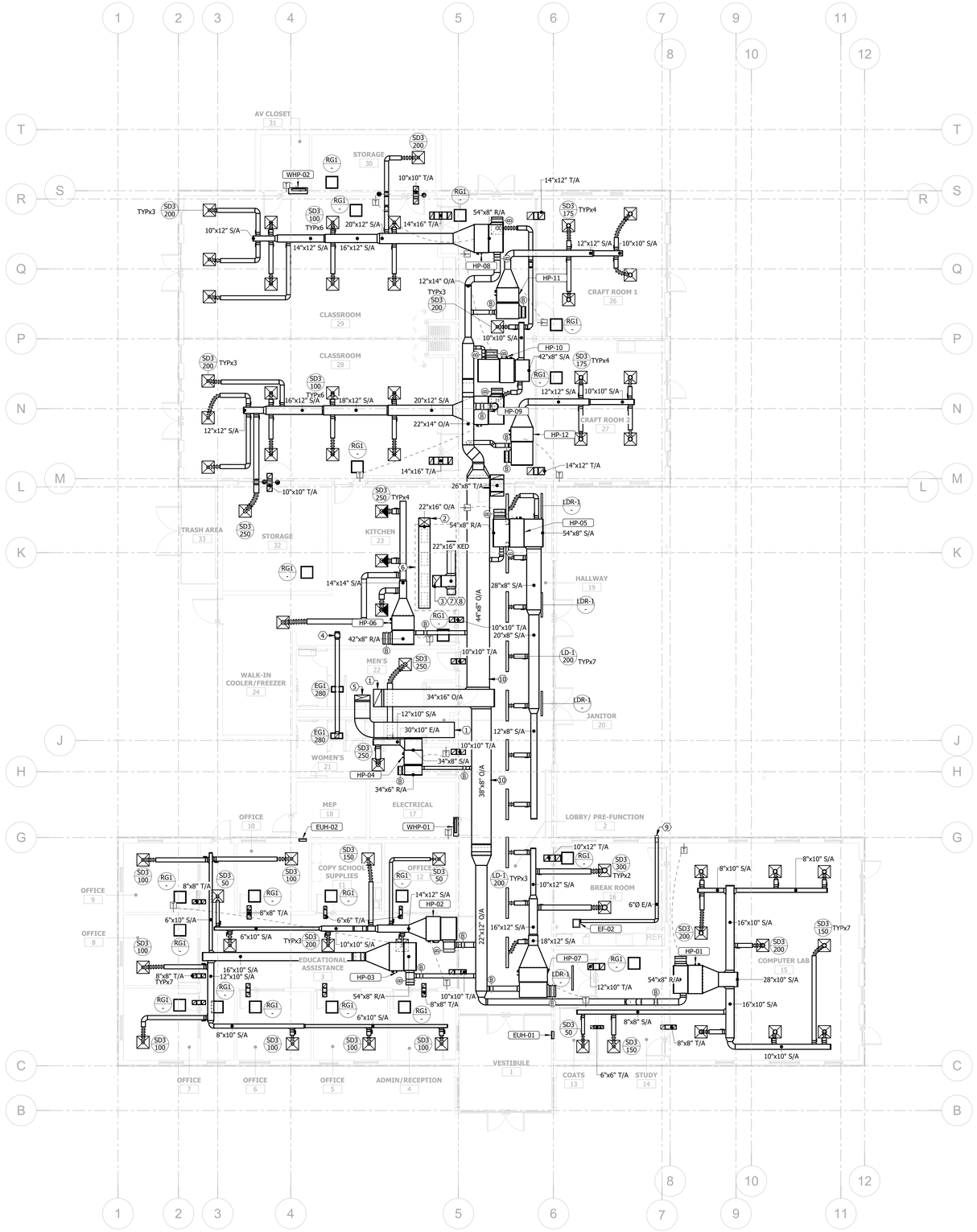

1 M.301 FIRST FLOOR CONSTRUCTION PLAN - MECHANICAL
1/8" = 1'-0"

GENERAL NOTES:

1. PROVIDE RETURN AIR TRANSFER BOOTS AT FULL HEIGHT WALLS AS NEEDED TO MAINTAIN RETURN AIR PATH.

KEYED NOTES:

1. OUTDOOR AIR UP TO ROOF MOUNTED ERV.
2. MAKEUP AIR SUPPLY FOR KITCHEN EQUIPMENT UP TO ROOF MOUNTED MAKEUP AIR UNIT.
3. GREASE AND HOOD EXHAUST AIR FOR KITCHEN UP TO ROOF MOUNTED EXHAUST FAN.
4. BATHROOM EXHAUST AIR UP TO ROOF MOUNTED EXHAUST FAN.
5. GENERAL EXHAUST UP TO ROOF MOUNTED ERV.
6. KITCHEN GREASE HOOD PROVIDED BY OTHERS.
7. INSTALL "DUCTMATE ULTIMATE DOOR" GREASE DUCT ACCESS PANELS FOR CLEANING IN VERITAL AND HORIZONTAL AS REQUIRED BY NFPA 96 AND LOCAL CODES.
8. TYPE I GREASE HOOD EXHAUST DUCTWORK SHALL BE MINIMUM 16 GAUGE BLACK IRON WITH LIQUID TIGHT WELDS. INSTALL ACCESS PANELS FOR CLEANING AS REQUIRED BY NFPA 96 AND LOCAL CODES. TRANSITION GREASE DUCTWORK AS REQUIRED TO HOOD AND FAN CONNECTIONS. PROVIDE 45 DEGREE MAX OFFSETS AS REQUIRED TO COORDINATE WITH STRUCTURE. PROVIDE RADIUS ELBOWS WITHOUT TURN VANES. SLOPE HORIZONTAL GREASE DUCT BACK TOWARDS HOOD AT MINIMUM OF 1/4" PER LINEAR FOOT. GREASE DUCTS SHALL BE CONTAINED IN 2 LAYERS OF 3M FIRE BARRIER DUCT WRAP 615 OR EQUAL UL APPROVED GREASE DUCT WRAP SYSTEM.
9. CAFE EXHAUST WALL VENTILATION HOOD.
10. FLAT DUCT ABOVE HALLWAY 19 POSES ACOUSTICAL CONCERN. PROVIDE INTERMITTANT SUPPORTS ON DUCT TO MITIGATE NOISE AND VIBRATIONS.

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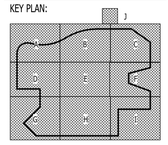
KEY PLAN:



FIRST FLOOR CONSTRUCTION PLAN - DUCTWORK

STATE OF LOUISIANA
ANDREW MICHAEL WILKINSON
License No. 59733
PROFESSIONAL ENGINEER

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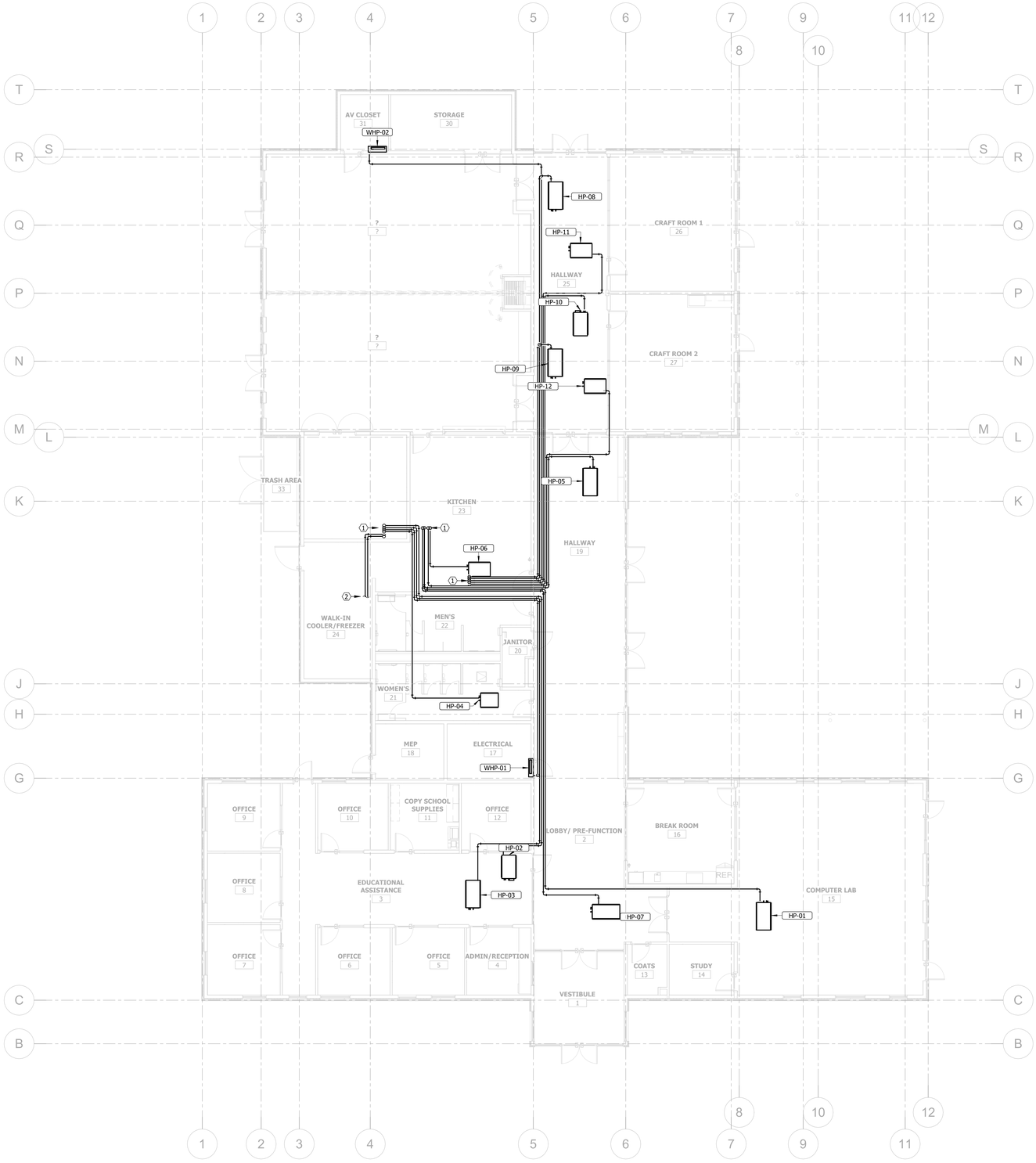

1 M.401 FIRST FLOOR CONSTRUCTION PLAN - MECHANICAL PIPING
1/8" = 1'-0"

KEYED NOTES:

1. REFRIGERANT LINESETS UP TO ROOF.
2. WALKIN FREEZER/REFRIGERATOR BY OTHERS. SEE FOOD SERVICE DRAWINGS FOR CONTINUATION.

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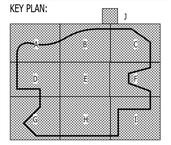

FIRST FLOOR CONSTRUCTION PLAN - PIPING

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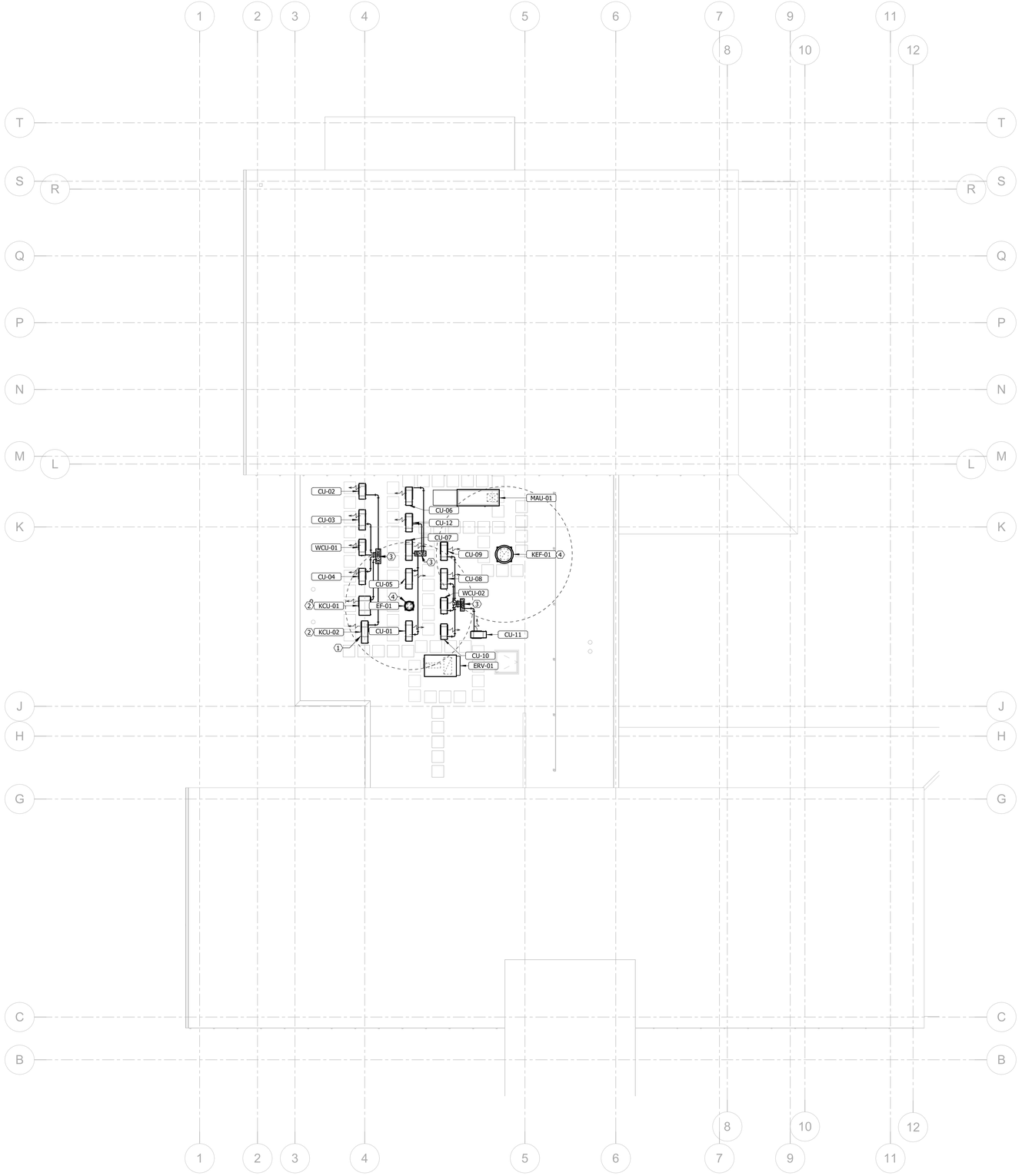

KEYED NOTES:

1. ENSURE ALL EQUIPMENT IS INSTALLED WITH A 10 FT MINIMUM DISTANCE FROM EDGE OF ROOF.
2. KITCHEN WALK-IN FREEZER AND REFRIGERATOR CONDENSING UNITS. PROVIDED BY OTHERS.
3. REFRIGERANT LINESETS UP.
4. MAINTAIN 10'-0" MINIMUM CLEARANCE BETWEEN EXHAUST OUTLETS AND HVAC INTAKES AND OTHER OPENINGS INTO THE BUILDING.

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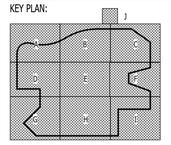

ROOF PLAN - MECHANICAL

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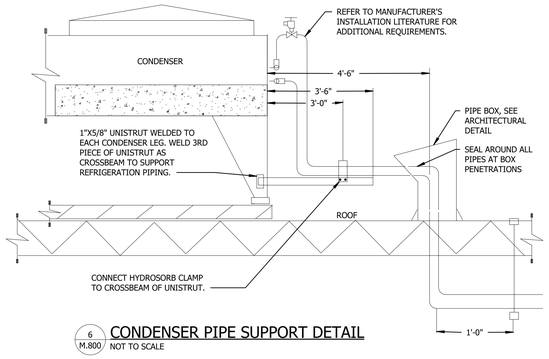
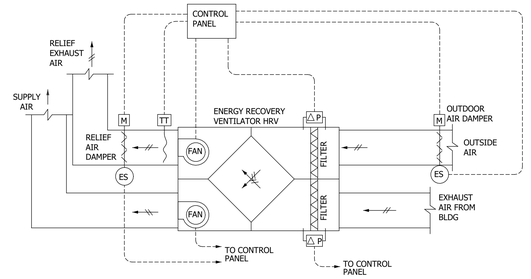


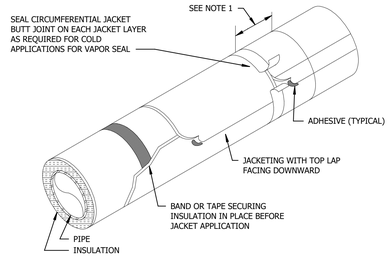
6 M.800 CONDENSER PIPE SUPPORT DETAIL
NOT TO SCALE

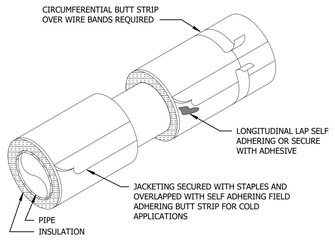


1 M.800 HEAT RECOVERY VENTILATOR CONTROL DIAGRAM
NOT TO SCALE

SINGLE ZONE FURNACE		
I/O CONTROL POINTS	INPUT	OUTPUT
OUTSIDE AIR DAMPER STATUS	X	-
OUTSIDE AIR DAMPER CONTROL	-	X
OUTDOOR AIR FILTER DIFFERENTIAL PRESSURE	X	-
HRV SUPPLY FAN START	-	X
HRV SUPPLY FAN STATUS	X	-
HRV EXHAUST FAN STATUS	X	-
HRV EXHAUST FAN START	-	X
RELIEF AIR DAMPER STATUS	X	-
RELIEF AIR DAMPER CONTROL	-	X
RELIEF AIR TEMPERATURE	X	-
RELIEF AIR FILTER DIFFERENTIAL PRESSURE	X	-

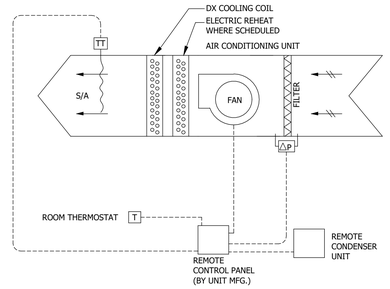
SEQUENCE OF OPERATIONS
HEAT RECOVERY VENTILATOR CONTROL SEQUENCE





NOTES:
OVERLAP JACKET MINIMUM OF 1-1/2".
LONGITUDINAL JACKETING SEAMS SHALL BE POSITIONED AT 3 O'CLOCK OR 9 O'CLOCK ONLY WITH TOP LAP FACING DOWNWARD FOR WEATHER PROTECTION.

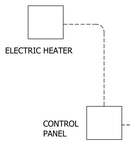
7 M.800 FACTORY AND FIELD APPLIED PIPE JACKETING OVER PIPE INSULATION
NOT TO SCALE



AIR CONDITIONING UNIT CONTROL		
I/O CONTROL POINTS	INPUT	OUTPUT
SPACE AIR TEMPERATURE	X	-
SUPPLY FAN STATUS	X	-
FILTER DIFF PRESSURE	X	-
DISCHARGE AIR TEMP	X	-

SEQUENCE OF OPERATIONS
AIR CONDITIONING UNIT CONTROL
FILTER MAINTENANCE (FM)

2 M.800 AIR CONDITIONING UNIT CONTROL DIAGRAM
NOT TO SCALE

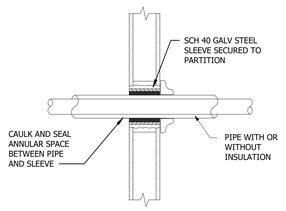


ELECTRIC HEATER		
I/O CONTROL POINTS	INPUT	OUTPUT
SPACE AIR TEMPERATURE	X	-

SEQUENCE OF OPERATIONS
ELECTRIC HEATER CONTROL

3 M.800 ELECTRIC HEATER CONTROL DIAGRAM
NOT TO SCALE

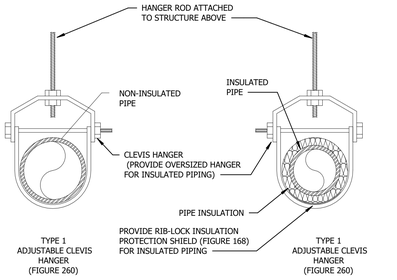
8 M.800 PIPE HANGER, INSULATION AND VAPOR JACKET
NOT TO SCALE



INTERIOR

NOTES:
TYPICAL FOR NON-INSULATED PIPE AND CONDUIT.
ALL CAULKING AND SEALANT SHALL BE FIRE RATED (SEE SPECIFICATIONS).
WHERE PIPING IS EXPOSED AT FINISHED WALL, FLUSH MOUNT SLEEVE AND PROVIDE AN ESCUTCHEON PLATE.

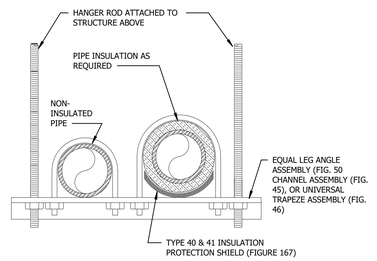
9 M.800 PIPE PENETRATION THRU INTERIOR WALLS
NOT TO SCALE



(FIGURE CT-65 FOR COPPER TUBING)

NOTE:
FIGURE NUMBERS ARE TYPICAL TO GRINNELL SUPPORT NUMBERS.

4 M.800 SINGLE PIPE CLEVIS HANGER
NOT TO SCALE



NOTES:
SIZE RODS, SPRING CUSHION, AND HORIZONTAL MEMBER APPROVED TO SATISFY LOAD REQUIREMENT WITH SAFETY FACTOR OF 5.
FIGURE NUMBERS ARE TYPICAL TO GRINNELL SUPPORT NUMBERS.

5 M.800 TRAPEZE TYPE PIPE SUPPORT
NOT TO SCALE

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Nelco Architecture, Inc.

100 S. Independence Mall West
Suite 500
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Phone: (215) 925-6562

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DANA BROWN & ASSOCIATES
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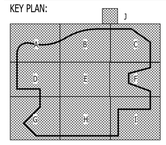
COUSHATTA TRIBE OF LOUISIANA

COUSHATTA TRIBE - EDUCATION BUILDING

1950 CC BEL RD
ELTON, LA 70532

Issue:	No:	Date:
BID SET		2025.12.05

KEY PLAN:



CONTROLS & DETAILS - MECHANICAL

STATE OF LOUISIANA
ANDREW MICHAEL WILKINSON
License No. 50733
PROFESSIONAL ENGINEER

Proj #: 24.0002607.000 Reviewed By:

M.800

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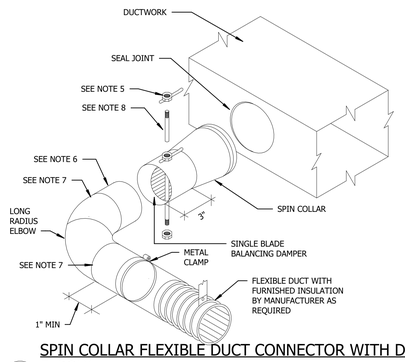
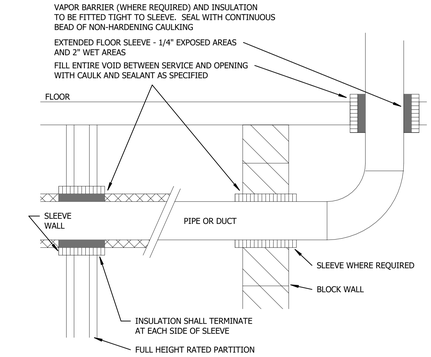


NOTES:
SUPPORT DUCTWORK AS REQUIRED.
BAND FLEX TO COLLAR 1/2" MINIMUM FROM OUTBOARD END OF COLLAR.
INSTALL SPIN COLLAR DAMPER IN OPEN POSITION; FINAL ADJUSTMENT BY TAB CONTRACTOR.
PULL FLEXIBLE DUCT INSULATION UP TO END OF SPIN COLLAR AT EDGE OF RECTANGULAR DUCTWORK; SEAL VAPOR BARRIER WITH GREY TAPE TO PREVENT MOISTURE MIGRATION.
PROVIDE EXTENSION RODS TO ACCOMMODATE INSULATION, PULL TO EDGE OF DUCTWORK AS REQUIRED AND SEAL TO EFFECT VAPOR BARRIER.
POP RIVET OR SHEET METAL SCREWS, MINIMUM 3 EACH AT 120 INTERVALS, CONNECTING STOVEPIPE TO COLLAR. ENSURE RIVETS OR SCREWS DO NOT INTERFERE WITH DAMPER.
TAPE AND SEAL ALL JOINTS TO PREVENT LEAKAGE. INSTALL LOCKING QUADRANT AND HANDLE ON BOTTOM OF DUCT FOR EASY SERVICE (SHOWN ON TOP FOR EASE OF ILLUSTRATION ONLY).

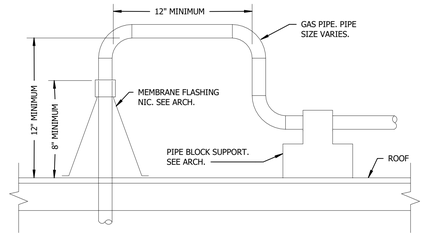
SPIN COLLAR FLEXIBLE DUCT CONNECTOR WITH DAMPER AND WITH LONG RADIUS ELBOW

5 / M.801 NOT TO SCALE



DUCT OR PIPE WALL AND FLOOR PENETRATION DETAIL

1 / M.801 NOT TO SCALE

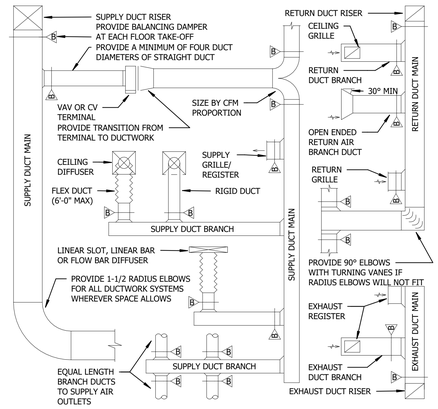


NOTE: PROVIDE A VERTICAL OFFSET ON ALL GAS PIPES AT ROOF PENETRATIONS TO ALLOW FOR PROPER FLASHING. SUPPORT PIPING OFFSETS.

ROOF PIPE PENETRATION DETAIL

6 / M.801 NOT TO SCALE

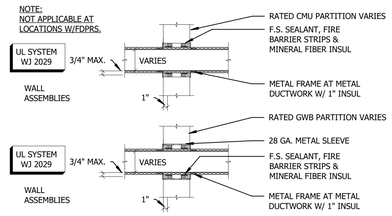
NOTES:
1. REFER TO HVAC FLOOR PLANS FOR DUCT SIZES
2. REFER TO SCHEDULES FOR GRILLES, REGISTERS, DIFFUSERS AND TERMINAL SIZES AND TYPES
3. PROVIDE A MANUAL TYPE BALANCING DAMPER FOR EACH SUPPLY OUTLET AND RETURN INLET
4. ALL DUCT RUNOUTS TO DIFFUSERS SHALL BE THE SAME SIZE AS DIFFUSER NECK SIZE, UNLESS OTHERWISE NOTED
5. FLEX DUCT WILL NOT BE ALLOWED ON RETURN OR EXHAUST DUCTWORK SYSTEMS
6. PROVIDE 12" AIR CUSHION AT THE END OF EACH SUPPLY MAIN AND BRANCH DUCT
7. INDIVIDUAL BRANCH BALANCING DAMPERS NOT REQUIRED FOR SUPPLY OR EXHAUST REGISTERS



DUCTWORK INSTALLATION DIAGRAM

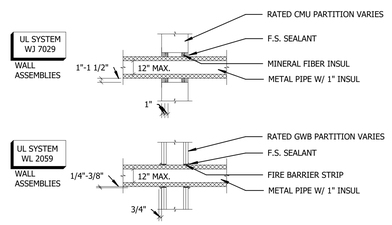
2 / M.801 NOT TO SCALE

NOTE:
NOT APPLICABLE AT LOCATIONS W/FDPRS.



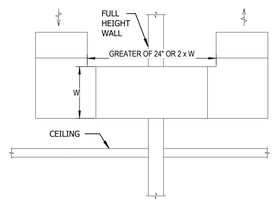
FIRESTOP DETAILS AT INSULATED DUCTWORK

7 / M.801 NOT TO SCALE



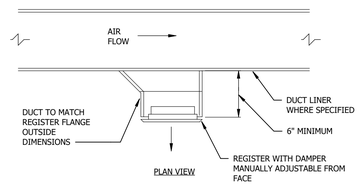
FIRESTOP DETAIL AT INSULATED METAL PIPE

8 / M.801 NOT TO SCALE



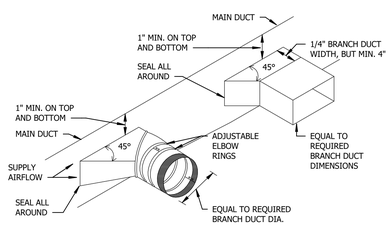
TRANSFER DUCT DETAIL

9 / M.801 NOT TO SCALE



TYPICAL DUCT MOUNTED REGISTER (RECTANGULAR DUCT)

3 / M.801 NOT TO SCALE



TYPICAL BRANCH TAKEOFF FITTING DETAIL

4 / M.801 NOT TO SCALE

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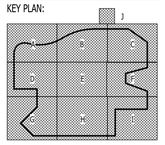
COUSHATTA TRIBE OF LOUISIANA

COUSHATTA TRIBE - EDUCATION BUILDING

1950 CC BEL RD
ELTON, LA 70532

Issue:	No:	Date:
BID SET		2025.12.05

KEY PLAN:



DETAILS - MECHANICAL

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M.801

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THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT PLOTTED ORIGINAL PAGE SIZE

THE SQUARES ABOVE ARE SOLID, WITH BLACK AND WHITE LEVELS, AS PLOTTED DIRECTLY

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Outdoor Split System Schedule

Identity	Installed Location	Manufacturer	Model	Installation Type	Refrigerant Type	Electrical		Product Weight
						Voltage	Phase	
CU-01	ROOF	MITSUBISHI	PUZ-AK36NLHZ	HORIZONTAL	R-454B	208 V	1	214 lb
CU-02	ROOF	MITSUBISHI	PUZ-AK18NLHZ	HORIZONTAL	R-454B	208 V	1	100 lb
CU-03	ROOF	MITSUBISHI	PUZ-AK36NLHZ	HORIZONTAL	R-454B	208 V	1	214 lb
CU-04	ROOF	MITSUBISHI	SUZ-AA09NLHZ	HORIZONTAL	R-454B	208 V	1	129 lb
CU-05	ROOF	MITSUBISHI	PUZ-AK36NLHZ	HORIZONTAL	R-454B	208 V	1	214 lb
CU-06	ROOF	MITSUBISHI	SUZ-AA09NLHZ	HORIZONTAL	R-454B	208 V	1	153 lb
CU-07	ROOF	MITSUBISHI	PUZ-AK42NLHZ	HORIZONTAL	R-454B	208 V	1	214 lb
CU-08	ROOF	MITSUBISHI	PUZ-AK36NLHZ	HORIZONTAL	R-454B	208 V	1	214 lb
CU-09	ROOF	MITSUBISHI	PUZ-AK30NLHZ	HORIZONTAL	R-454B	208 V	1	153 lb
CU-10	ROOF	MITSUBISHI	PUZ-AK18NLHZ	HORIZONTAL	R-454B	208 V	1	100 lb
CU-11	ROOF	MITSUBISHI	PUZ-AK18NLHZ	HORIZONTAL	R-454B	208 V	1	100 lb
CU-12	ROOF	MITSUBISHI	SUZ-AA09NLHZ	HORIZONTAL	R-454B	208 V	1	153 lb
WCU-01	ROOF	MITSUBISHI	MUZ-FX06NL	HORIZONTAL	R-454B	208 V	1	129 lb
WCU-02	ROOF	MITSUBISHI	MUZ-HX12NL	HORIZONTAL	R-454B	208 V	1	129 lb

NOTES:

1. MOUNT OUTDOOR UNIT ON MINIMUM 18" HIGH NONISOLATED WIND AND SEISMIC RESTRAINT RAILS. BASIS OF DESIGN: THE VMC GROUP MODEL #R-7000.

Indoor Split System Schedule (HP)

Identity Mark	Manufacturer	Model	Product Type	Installation Type	Outdoor Duct Dia.	Connected Supply Duct Flow	Outdoor Air Flow	Fan Design ESP	Motor Rated Size	Rated Cooling Capacity	Rated Heating Capacity	Refrigerant Type	Supply Fan Drive Type	Supply Filter Rating	Electrical		Frequency	MCA	Product Weight	Schedule Notes
															Voltage	Phase				
HP-01	Mitsubishi	PEAD-AA36NL	Mid Static	Ceiling Concealed	12"	1,650 CFM	600 CFM	0.60 in-wg	0.13 hp	2.8 ton	37,000 Btu/h	R-454B	DIRECT-ECM	MERV-8	208 V	1	60 Hz	2.3 A	86 lb	1,2,4,5,6,7
HP-02	Mitsubishi	PEAD-AA18NL	Mid Static	Ceiling Concealed	10"	850 CFM	300 CFM	0.60 in-wg	0.13 hp	1.4 ton	21,600 Btu/h	R-454B	DIRECT-ECM	MERV-8	208 V	1	60 Hz	99999999.0 A	62 lb	1,2,4,5,6,7
HP-03	Mitsubishi	PEAD-AA36NL	Mid Static	Ceiling Concealed	8"	700 CFM	200 CFM	0.60 in-wg	0.13 hp	2.8 ton	37,000 Btu/h	R-454B	DIRECT-ECM	MERV-8	208 V	1	60 Hz	2.3 A	86 lb	1,2,4,5,6,7
HP-04	Mitsubishi	PEAD-AA09NL	Mid Static	Ceiling Concealed	8"	500 CFM	100 CFM	0.60 in-wg	0.13 hp	0.8 ton	12,000 Btu/h	R-454B	DIRECT-ECM	MERV-8	208 V	1	60 Hz	2.3 A	58 lb	1,2,4,5,6,7
HP-05	Mitsubishi	PEAD-AA36NL	Mid Static	Ceiling Concealed	8"	1,400 CFM	100 CFM	0.60 in-wg	0.13 hp	2.8 ton	37,000 Btu/h	R-454B	DIRECT-ECM	MERV-8	208 V	1	60 Hz	2.3 A	86 lb	1,2,4,5,6,7
HP-06	Mitsubishi	PEAD-AA24NL	Mid Static	Ceiling Concealed	8"	1,000 CFM	150 CFM	0.60 in-wg	0.13 hp	2.0 ton	25,000 Btu/h	R-454B	DIRECT-ECM	MERV-8	208 V	1	60 Hz	2.3 A	69 lb	1,2,4,5,6,7
HP-07	Mitsubishi	PEAD-AA42NL	Mid Static	Ceiling Concealed	10"	1,200 CFM	250 CFM	0.60 in-wg	0.13 hp	3.5 ton	45,000 Btu/h	R-454B	DIRECT-ECM	MERV-8	208 V	1	60 Hz	2.3 A	91 lb	1,2,4,5,6,7
HP-08	Mitsubishi	PEAD-AA36NL	Mid Static	Ceiling Concealed	12"	1,400 CFM	400 CFM	0.60 in-wg	0.13 hp	2.8 ton	37,000 Btu/h	R-454B	DIRECT-ECM	MERV-8	208 V	1	60 Hz	2.3 A	86 lb	1,2,4,5,6,7
HP-09	Mitsubishi	PEAD-AA36NL	Mid Static	Ceiling Concealed	12"	1,450 CFM	400 CFM	0.60 in-wg	0.13 hp	2.8 ton	37,000 Btu/h	R-454B	DIRECT-ECM	MERV-8	208 V	1	60 Hz	2.3 A	86 lb	1,2,4,5,6,7
HP-10	Mitsubishi	PEAD-AA18NL	Mid Static	Ceiling Concealed	6"	500 CFM	50 CFM	0.60 in-wg	0.13 hp	1.4 ton	21,600 Btu/h	R-454B	DIRECT-ECM	MERV-8	208 V	1	60 Hz	2.3 A	62 lb	1,2,4,5,6,7
HP-11	Mitsubishi	PEAD-AA24NL	Mid Static	Ceiling Concealed	8"	700 CFM	200 CFM	0.60 in-wg	0.13 hp	2.0 ton	25,000 Btu/h	R-454B	DIRECT-ECM	MERV-8	208 V	1	60 Hz	2.3 A	69 lb	1,2,4,5,6,7
HP-12	Mitsubishi	PEAD-AA24NL	Mid Static	Ceiling Concealed	8"	700 CFM	200 CFM	0.60 in-wg	0.13 hp	2.0 ton	25,000 Btu/h	R-454B	DIRECT-ECM	MERV-8	208 V	1	60 Hz	2.3 A	69 lb	1,2,4,5,6,7
WHP-01	Mitsubishi	MSZ-FX06NL	COMPACT	WALL-MOUNT			0		0.05 hp	0.5 ton	6,000 Btu/h	R-454B	DIRECT-ECM	MERV-8	208 V	1	60 Hz	1.0 A	29 lb	2,3,4,5,6
WHP-02	Mitsubishi	MSZ-HX12NL	COMPACT	WALL-MOUNT			0		0.05 hp	1.0 ton	12,000 Btu/h	R-454B	DIRECT-ECM	MERV-8	208 V	1	60 Hz	1.0 A	29 lb	2,3,4,5,6

NOTES:

1. HANG INDOOR UNIT VIA (4) POINTS FROM STRUCTURE TO SUIT.
2. PROVIDE WITH LOW AMBIENT WIND BAFFLE KIT FOR COOLING DOWN TO 0°F.
3. PROVIDE WITH INTEGRAL CONDENSATE PUMP.
4. PROVIDE ELECTRICAL DISCONNECT.
5. PROVIDE BACNET INTERFACE.
6. PROVIDE DRAIN PAN WITH UL #508 APPROVED WATER DETECTION SENSOR FOR UNIT SHUTDOWN. WIRE CONTROL CIRCUIT THROUGH NC CONTACT.
7. PROVIDE 24"x12" HINGED FILTER FOR PLENUM RETURN.

Energy Recovery Ventilator Schedule

Identity	Manufacturer	Model	Product Type	Installation Type	Supply Fan		Exhaust Fan		Cooling Airflow Design						Heating Airflow Design						Air Filter Spec	Electrical		Product Weight
					Airflow	ESP	ESP	RPM	Outdoor		Indoor		Supply		Outdoor		Indoor		Supply			Voltage	Phase	
									OAT	MCWB	Setpoint	RH	LDB	LWB	OAT	SAT	Setpoint	RH	LDB	LWB				
ERV-01	Greenheck	ECV-20H	Interior	Base Support	2950 CFM	2.00 in-wg	2.00 in-wg	1725	95 °F	75 °F	72 °F	50%	82 °F	72 °F	-16 °F	40 °F	70 °F	30%	40 °F	34 °F	MERV-8	208 V	1	696 lb

NOTES:

A. COOLING CAPACITY BASED ON DESIGN 95°F DRY BUILB & 75°F MEAN COINCIDENT WET BULB LISTED
B. PROVIDE WITH CLASS 1, LOW-LEAKAGE TYPE OUTSIDE AIR SHUTOFF DAMPERS WITH BLADE AND JAMB SEALS.
C. UNITS SHALL BE AHRI 340/360 RATED, PROVIDED WITH 2" PLEATED DISPOSABLE FILTERS, DIRTY FILTER MONITOR AND ALARM, CONDENSATE OVERFLOW SWITCH, SS DRAWIN PAN, SINGLE POINT POWER CONNECTION, WEATHER HOOD WITH ALUMINUM MESH FILTERS, PHASE & BROWNOUT PROTECTION, & COOLING OPERATION DOWN TO 40°F.
D. PROVIDE MANUFACTURER STARTUP AND REPORT.
E. MOUNT ON MINIMUM 1" DEFLECTION SPRING VIBRATION ISOLATION RAILS.

ACCESSORIES:

1. DIGITAL DISPLAY UNIT CONTROLLER WITH SPACE TEMPERATURE CONTROL - FACTORY INSTALLED AND PROGRAMMED.
2. REMOTE CONTROL PANEL.
3. UNIT MOUNTED FACTORY DISCONNECT.
4. SMOKE DETECTOR MOUNTED IN RETURN AIRSTREAM.
5. GFCI 15 AMP CONVENIENCE OUTLET POWERED ON LINE SIDE OF DISCONNECT.
6. 2" DOUBLE WALL R-13 FOAM INSULATION.

EQUIPMENT SELECTIONS BASED ON PRODUCTS INDICATED. SUBJECT TO COMPLIANCE WITH ALL PRODUCTS, EQUAL PRODUCTS BY: AAON, DAIKIN, TRANE.

Rooftop Makeup Air Units (Electric Heat)

Identity	Manufacturer	Model	Product Type	Nominal Capacity	Airflow	Supply Fan Design			Cooling Coil						Heating Airflow			Electric Heat Rating	Electrical		Product Weight
						ESP	RPM	BHP	Total	Sensible	EDB	EWB	LDB	LWB	Output	EAT	LAT		Voltage	Phase	
MAU-01	Greenheck	MSX-P110-H12-MF	ELECTRIC	12.5 ton	3,250 CFM	1.50 in-wg	1401	2.60 hp	150,000 Btu/h	73,710 Btu/h	95 °F	75 °F	75 °F	63 °F	228 MBH	-16 °F	50 °F	67.0 kW	208 V	3	738 lb

NOTES:

A. PROVIDE WITH CLASS 1, LOW-LEAKAGE TYPE OUTSIDE AIR SHUTOFF DAMPERS WITH BLADE AND JAMB SEALS.
B. COMPRESSORS SHALL HAVE ANTI-RECYCLE CONTROLS, CRANKCASE HEATERS ON ALL COMPRESSORS AND VARIABLE CAPACITY ON AT LEAST ONE COMPRESSOR
C. UNITS SHALL BE AHRI 340/360 RATED, PROVIDED WITH 4" PLEATED DISPOSABLE FILTERS, DIRTY FILTER MONITOR AND ALARM, SINGLE POINT POWER CONNECTION, WEATHER HOOD WITH ALUMINUM MESH FILTERS, PHASE & BROWNOUT PROTECTION, & COOLING OPERATION DOWN TO 40°F.
D. FANS SHALL BE DIRECT DRIVE PLENUM TYPE WITH PREMIUM EFFICIENCY MOTORS AND VARIABLE SPEED DRIVE.
E. ELECTRIC HEATER SHALL HAVE SCR CONTROL AND SHALL INCLUDE A TEMPERATURE SENSOR WITH FIELD ADJUSTABLE SET POINT, LOCATED IN THE OUTDOOR AIR STREAM.
F. PROVIDE MANUFACTURER STARTUP AND REPORT.
G. MOUNT ON MINIMUM 1" DEFLECTION SPRING VIBRATION ISOLATION RAILS.

ACCESSORIES:

1. PROVIDE 14" HIGH (MINIMUM) SPRING ISOLATED ROOF CURB WITH EACH OUTDOOR UNIT.
2. PROVIDE MINIMUM OF MERV 13 FILTRATION INTEGRAL TO EACH UNIT. AVERAGE FILTER PRESSURE DROP SHALL BE INCLUDED IN FAN SIZING CALCULATIONS. INCLUDE DIRTY FILTER DP SWITCH AND INTEGRATION TO CONTROLS.
3. UNIT SHALL COME WITH SINGLE POINT 208V/3-PHASE POWER CONNECTION WITH FACTORY FURNISHED DISCONNECTS.
4. ALL FAN MOTORS SHALL BE PROVIDED WITH FACTORY INSTALLED VFDs WITH NETWORK CARDS FOR INTEGRATION TO CONTROLS SYSTEM.
5. PROVIDE UNIT DISCHARGE AIR TEMPERATURE SENSOR.

EQUIPMENT SELECTIONS BASED ON PRODUCTS INDICATED. SUBJECT TO COMPLIANCE WITH ALL PRODUCTS, EQUAL PRODUCTS BY: AAON, DAIKIN, TRANE, GREENHECK, ACCUREX.

Exhaust Fan Schedule

Identity	Manufacturer	Model	Product Type	Installation Type	Fan Design		Drive Type	Motor			Electrical		Weight	Controls & Accessories
					Exhaust Airflow	ESP		Power	RPM	FLA	Voltage	Phase		
EF-01	Greenheck	CUE-080	Centrifugal Upblast	Support on Curb	560 CFM	0.38 in-wg	Direct	0.1 hp	1400	1.0 A	208 V	1	29 lb	C1,1,2,4
EF-02	GREENHECK	SP-80-L	LOW PROFILE	Ceiling Installation	75 CFM	0.13 in-wg	Direct	0.1 hp	850	2.6 A	120 V	1	10 lb	C1,1,2
KEF-01	Greenheck	CUBE-180	Centrifugal Upblast	Support on Curb	4100 CFM	1.50 in-wg	Belt	1.5 hp	1800	11.0 A	208 V	1	126 lb	C2,2.3,4.5,6

NOTES:

A. WEIGHTS INCLUDE ACCESSORIES, MOTORS, ETC. CURB NOT INCLUDED.
B. FANS THAT ARE SCHEDULED TO RUN CONTINOUSLY SHALL HAVE IEC 60034-1 CONTINUOUS DIRTY RATED MOTORS.
C. FANS THAT ARE INTERCONNECTED WITH LIGHTING CONTROLS (E.G. LIGHT SWITCH) MAY NOT BE THE SAME VOLTAGE AS THE LIGHTING CIRCUIT. COORDINATE WITH DIV 26 AND PROVIDE RELAYS/CONTROLS AS REQUIRED.
D. FANS SHALL BE CERTIFIED AND BEAR THE HVI-2100 OR AMCA LABEL FOR AIR AND SOUND PERFORMANCE.
E. MOTORS CONTROLLED BY A VARIABLE FREQUENCY DRIVE (VFD) SHALL BE INVERTER DUTY MOTORS AND SHALL BE COMPATIBLE WITH THE PARTICULAR MANUFACTURER'S DRIVE THAT IS USED.

ACCESSORIES:

1. GRAVITY BACK DRAFT DAMPER
2. FACTORY MOUNTED DISCONNECT SWITCH
3. MINIMUM 14" HIGH INSULATED ROOF CURB
4. BIRD SCREEN
5. ECM MOTOR
6. SPRING TYPE VIBRATION ISOLATORS

EQUAL PRODUCTS BY GREENHECK, CARNES, PENNBARRY, ACME.
PROVIDED PRODUCTS THAT MEET OR EXCEED THE SCHEDULED PERFORMANCE AND SPECIFICATIONS.

FAN CONTROL NOTES:

C1. INTERLOCK WITH LIGHTS/OCC SENSEOR -REFER TO ELECTRICAL DRAWINGS
C2. INTERLOCK WITH MAKE UP AIR UNIT

Grilles, Registers, Diffusers

ID Type	Manufacturer	Model	Type	Material	Face or Module Size	Linear Width
EG1	TITUS	50F	EGGCRATE EXHAUST	ALUMINUM	12X12	
LD-1	Titus	ML-39	LINEAR SUPPLY	Aluminum	60"L	6"
LDR-1	Titus	ML-39	LINEAR RETURN	Aluminum	48"L	6"
RG1	TITUS	50F	EGGCRATE RETURN	ALUMINUM	24X24	
SD3	TITUS	OMNI-AA	SQUARE CEILING CONE DIFFUSER	STEEL	24X24	

Electric Unit Heater Schedule

Identity	Manufacturer	Model	Product Type	Electric Heat Input Size	Electrical		Product Weight
					Voltage	Phase	
EUH-01	BERKO	FRC	CABINET	1.0 kW	120 V	3	25 lb
EUH-02	BERKO	FRC	CABINET	0.5 kW	120 V	1	25 lb

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COUSHATTA TRIBE OF LOUISIANA

COUSHATTA TRIBE OF LOUISIANA

COUSHATTA TRIBE - EDUCATION BUILDING

1950 CC BEL RD
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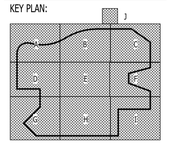
Issue:	No:	Date:
BID SET		2025.12.05

KEY PLAN:



SCHEDULES - MECHANICAL

STATE OF LOUISIANA
ANDREW MICHAEL WILKINSON
License No. 50733
PROFESSIONAL ENGINEER

Proj #: 24.0002607.000 Reviewed By:

M.900

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THE LINE SHOWN ABOVE IS 1INCH LONG ON ORIGINAL PRINT. IF IT IS NOT, THE DRAWING IS REDUCED OR ENLARGED FROM ORIGINAL SIZE

THE SQUARES ABOVE ARE SOLID WITH BLACK AND WHITE LETTERS, IF PRINTED CORRECTLY

ELECTRICAL ABBREVIATIONS

1P	1 POLE (2P, 3P, 4P, ETC.)
A, AMP	AMPERE
AC	ABOVE COUNTER
ACLG	ABOVE CEILING
ADO	AUTOMATIC DOOR OPENER
AF	AMP FRAME
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AFI	ARC FAULT CIRCUIT INTERRUPTER
AHU	AIR HANDLING UNIT
AL	ALUMINUM
ALT	ALTERNATE
AMP	AMPERE
AMPL	AMPLIFIER
ANNUN	ANNUNCIATOR
APPROX	APPROXIMATELY
AQ-STAT	AQUASTAT
ARCH	ARCHITECT, ARCHITECTURAL
AS	AMP SWITCH
AT	AMP TRIP
ATS	AUTOMATIC TRANSFER SWITCH
AUTO	AUTOMATIC
AUX	AUXILIARY
AV	AUDIO VISUAL
AWG	AMERICAN WIRE GAUGE
BATT	BATTERY
BD	BOARD
BLDG	BUILDING
BMS	BUILDING MANAGEMENT SYSTEM
C	CONDUIT
CAB	CABINET
CAT	CATALOG
CATV	CABLE TELEVISION
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CLG	CEILING
COMB	COMBINATION
CMPR	COMPRESSOR
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUATION OR CONTINUOUS
CONTR	CONTRACTOR
CONV	CONVECTOR
CP	CIRCULATING PUMP
CRT	CATHODE-RAY TUBE
CT	CURRENT TRANSFORMER
CTR	CENTER
CU	COPPER
DCP	DOMESTIC WATER CIRCULATING PUMP
DEPT	DEPARTMENT
DET	DETAIL
DIA	DIAMETER
DISC	DISCONNECT
DIST	DISTRIBUTION
DN	DOWN
DPR	DAMPER
DS	SAFETY DISCONNECT SWITCH
DT	DOUBLE THROW
DWG	DRAWING
EC	ELECTRICAL CONTRACTOR
ELEC	ELECTRIC, ELECTRICAL
ELEV	ELEVATOR
ELU	EMERGENCY LIGHTING UNIT
EM	EMERGENCY
EMS	ENERGY MANAGEMENT SYSTEM
EMT	ELECTRICAL METALLIC TUBING
EP	ELECTRIC PNEUMATIC
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EXIST	EXISTING
EXH	EXHAUST
EXP	EXPLOSION PROOF
FA	FIRE ALARM
FABP	FIRE ALARM BOOSTER POWER SUPPLY PANEL
FACP	FIRE ALARM CONTROL PANEL
FCU	FAN COIL UNIT
FIXT	FIXTURE
FLR	FLOOR
FLUOR	FLUORESCENT
FU	FUSE
FUDS	FUSED SAFETY DISCONNECT SWITCH
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GEN	GENERATOR
GFI	GROUND FAULT CIRCUIT INTERRUPTER
GFP	GROUND FAULT PROTECTOR
GND	GROUND
GRS	GALVANIZED RIGID STEEL (CONDUIT)
GYP BD	GYPSUM BOARD
HOA	HANDS-OFF-AUTOMATIC SWITCH
HORIZ	HORIZONTAL
HP	HORSEPOWER
HPF	HIGH POWER FACTOR
HT	HEIGHT
HTG	HEATING
HTR	HEATER
HV	HIGH VOLTAGE
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
IC	INTERRUPTING CAPACITY
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
INCAND	INCANDESCENT
IR	INFRARED
I/W	INTERLOCK WITH
J-BOX	JUNCTION BOX
KV	KILOVOLT
KVA	KILOVOLT-AMPERE
KVAR	KILOVOLT-AMPERE REACTIVE
KW	KILOWATT
KWH	KILOWATT HOUR
LOC	LOCATE OR LOCATION
LT	LIGHT
LTG	LIGHTING
LTNG	LIGHTNING
LV	LOW VOLTAGE
MAX	MAXIMUM
MAG.S	MAGNETIC STARTER
M/C	MOMENTARY CONTACT
MC	MECHANICAL CONTRACTOR
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDC	MAIN DISTRIBUTION CENTER
MDP	MAIN DISTRIBUTION PANEL
MFR	MANUFACTURER
MFS	MAIN FUSED DISCONNECT SWITCH
MH	MANHOLE
MIC	MICROPHONE
MIN	MINIMUM
MISC	MISCELLANEOUS
MLO	MAIN LUGS ONLY
MMS	MANUAL MOTOR STARTER
MOA	MULTIOUTLET ASSEMBLY
MSP	MOTOR STARTER PANELBOARD
MSBD	MAIN SWITCHBOARD
MSS	MOTOR STARTER SWITCH
MT	MOUNT
MT.C	EMPTY CONDUIT
MTS	MANUAL TRANSFER SWITCH
MTR	MOTOR, MOTORIZED
N.C.	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
NFDS	NON-FUSED SAFETY DISCONNECT SWITCH
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
N.O.	NORMALLY OPEN
NPF	NORMAL POWER FACTOR
NTS	NOT TO SCALE
OC	ON CENTER
OH	OVERHEAD
OL	OVERLOADS
PA	PUBLIC ADDRESS
PB	PULL BOX OR PUSHBUTTON
PE	PNEUMATIC ELECTRIC
PED	PEDESTAL
PF	POWER FACTOR
PH	PHASE
PIV	POST INDICATING VALVE
PNL	PANEL
PP	POWER POLE
PR	PAIR
PRI	PRIMARY
PROJ	PROJECTION
PRV	POWER ROOF VENTILATOR
PT	POTENTIAL TRANSFORMER
PVC	POLYVINYL CHLORIDE (CONDUIT)
PWR	POWER
QUAN	QUANTITY
RCPT	RECEPTACLE
REQD	REQUIRED
RM	ROOM
RGSC	RIGID GALVANIZED STEEL CONDUIT
RTU	ROOF TOP UNIT
SC	SURFACE CONDUIT
SEC	SECONDARY
SHT	SHEET
SIM	SIMILAR
SLD	SINGLE-LINE DIAGRAM
S/N	SOLID NEUTRAL
SPEC	SPECIFICATION
SPKR	SPEAKER
SP	SPARE
SPP	SINGLE-POINT POWER
SR	SURFACE RACEWAY
SS	STAINLESS STEEL
SSW	SELECTOR SWITCH
S/S	STOP/START PUSHBUTTONS
STA	STATION
STD	STANDARD
SURF	SURFACE MOUNTED
SW	SWITCH
SWBD	SWITCHBOARD
SYM	SYMMETRICAL
SYS	SYSTEM
TEL	TELEPHONE
TERM	TERMINAL
TL	TWIST LOCK
TR	TAMPER RESISTANT
T-STAT	THERMOSTAT
TTC	TELEPHONE TERMINAL CABINET
TV	TELEVISION
TVTC	TELEVISION TERMINAL CABINET
TYP	TYPICAL
UC	UNDER COUNTER
UE	UNDERGROUND ELECTRICAL
UG	UNDERGROUND
UH	UNIT HEATER
UT	UNDERGROUND TELEPHONE
UTIL	UTILITY
UV	ULTRAVIOLET
V	VOLT
VA	VOLT-AMPERES
VDT	VIDEO DISPLAY TERMINAL
VERT	VERTICAL
VFD	VARIABLE FREQUENCY DRIVE
VOL	VOLUME
W	WATT
W/	WITH
WG	WIRE GUARD
WH	WATER HEATER
W/O	WITHOUT
WP	WEATHERPROOF
XFMR	TRANSFORMER
XFR	TRANSFER
∠	ANGLE
@	AT
▲	DELTA
'	FEET
"	INCHES
#	NUMBER
Ø	PHASE
C	CENTER LINE
P	PLATE

ELECTRICAL SYMBOL LEGEND

LIGHTING SYMBOLS

- LIGHTING FIXTURES, TYPICAL, RECTANGULAR (VARIOUS SYMBOLS)
- LIGHTING FIXTURES, TYPICAL, ROUND (VARIOUS SYMBOLS)
- WALL-MOUNTED FIXTURES, TYPICAL (VARIOUS SYMBOLS)
- STRIP FIXTURE
- DIRECTIONAL LIGHT, TRACK LIGHT, FLOOD LIGHT
- LINEAR LIGHT, TAPE LIGHT
- EMERGENCY LIGHTING UNIT, CEILING-MOUNTED, INTEGRAL BATTERY
- EMERGENCY LIGHTING UNIT, CEILING-MOUNTED, REMOTE BATTERY
- EMERGENCY LIGHTING UNIT, WALL-MOUNTED, INTEGRAL BATTERY
- EMERGENCY LIGHTING UNIT, WALL-MOUNTED, REMOTE BATTERY
- EXIT LIGHT, CEILING-MOUNTED. SHADING AND ARROWS INDICATE FACES AND DIRECTIONAL CHEVRONS.
- EXIT LIGHT, WALL-MOUNTED. SHADING AND ARROWS INDICATE FACES AND DIRECTIONAL CHEVRONS.
- EXIT/ELU COMBO
- POLE/AREA LIGHTS
- POST-TOP AREA LIGHT
- BOLLARD LIGHT
- CROSS HATCH INDICATES LIGHT ON A CRITICAL CIRCUIT.
- SOLID HALF HATCH INDICATES LIGHT ON AN EMERGENCY OR LIFE SAFETY CIRCUIT.
- $ SINGLE-POLE SWITCH
- $2 TWO-POLE SWITCH
- $3 THREE-POLE SWITCH

  SWITCH MODIFIERS:

  3: 3-WAY — OS: OCCUPANCY SENSOR
  4: 4-WAY — VS: VACANCY SENSOR
  K: KEYED — AC: ABOVE-COUNTER
  D: DIMMING — LV: LOW-VOLTAGE
  T: TIMER — M: MOTOR-RATED
- LIGHTING CONTACTOR
- LIGHTING CONTROL PANEL
- OS OCCUPANCY SENSOR
- DL DAYLIGHT HARVESTING SENSOR

LIGHTING TAGS

E1
PNL-12(a)

- TOP VALUE: FIXTURE TYPE ID (UNDERLINED)
- BOTTOM VALUE, LOWERCASE LETTER: SWITCH ID
- BOTTOM VALUE, NUMBER(S): CIRCUIT NUMBER
- BOTTOM VALUE, UPPERCASE LETTER(S): PANEL ID

ABSENCE OF A SWITCH DESIGNATION ON A LIGHTING FIXTURE INDICATES FIXTURE IS CONTROLLED BY THE ONLY SWITCH IN THE SPACE. AN "x" IN PLACE OF THE SWITCH DESIGNATION INDICATES UNSWITCHED.

SWITCH ID INDICATED BY A LOWERCASE LETTER. SWITCH IDS ARE UNIQUE PER SPACE. A SWITCH WITH AN ID "a" CONTROLS ALL DEVICES WITHIN THE SPACE IN WHICH IT IS LOCATED TAGGED WITH "a". A SWITCH WITHOUT A TAGGED ID CONTROLS ALL LIGHTING FIXTURES WITHIN A SPACE. ID TAGS MAY BE USED ON CONTROL DEVICES OTHER THAN SWITCHES, SUCH AS OCCUPANCY SENSORS OR CONTACTORS.

$a
OS

GROUNDING AND LIGHTNING PROTECTION SYMBOLS

- GROUND ROD
- GROUND ROD WITH TEST WELL
- STATIC GROUND RECEPTACLE
- LIGHTNING PROTECTION AIR TERMINAL
- LIGHTNING PROTECTION CONDUCTOR SPLICE

POWER SYMBOLS

WALL CEILING FLOOR

- SIMPLEX RECEPTACLE
- DUPLEX RECEPTACLE
- QUADRUPLEX RECEPTACLE
- SPECIAL RECEPTACLE, TYPE AS INDICATED

  RECEPTACLE MODIFIERS:
  ##: HEIGHT AFF OC
  AC: ABOVE COUNTER
  WP: WEATHERPROOF IN-USE COVER
- HALF SHADING INDICATES SPLIT (TYPICALLY SWITCHED) OUTSIDE SHADING INDICATES EMERGENCY CIRCUIT
- CENTER SHADING INDICATES GFI GROUND-FAULT INTERRUPTER
- $ SINGLE-POLE SWITCH

  SWITCH MODIFIERS:
  K: KEYED
  T: TIMER
  AC: ABOVE-COUNTER
  M: MOTOR-RATED
- MULTIOUTLET ASSEMBLY FILLED SQUARES INDICATE 120V OUTLET OPEN SQUARES INDICATE WITH USB
- CORD REEL, DEVICE VARIES
- DROP CORD, DEVICE VARIES
- J JUNCTION BOX
- F1 FLOOR BOX, SEE SCHEDULE FOR TYPE
- EMERGENCY POWER OFF
- DO DOOR OPENER PUSH PLATE
- M POWER METER
- SAFETY SWITCH, FUSED
- SAFETY SWITCH, UNFUSED
- MOTOR STARTER
- COMBINATION STARTER/DISCONNECT
- CONTACTOR

POWER DEVICE AND EQUIPMENT TAGS

ELECTRICAL DEVICE TAGS: UPPERCASE LETTER(S) INDICATES PANEL ID AND CIRCUIT NUMBER. LOWERCASE LETTER INDICATES DESIGNATION OF CONTROLLING SWITCH (WHERE APPLICABLE).

EQUIPMENT TAGS: EQUIPMENT ID IS INDICATED BY AN UNDERLINED TAG ADJACENT TO THE EQUIPMENT. SEE THE EQUIPMENT CONNECTION SCHEDULE FOR DESCRIPTION, ELECTRICAL REQUIREMENTS, AND PANEL AND CIRCUIT NUMBER. SYMBOLS/GRAPHIC APPEARANCE OF EQUIPMENT VARIES.

POWER DISTRIBUTION EQUIPMENT

HATCHED FILL INDICATES DISTRIBUTION PANEL OR SWITCHBOARD.
SOLID FILL INDICATES BRANCH PANEL OR LOAD CENTER.
DASHED BOX INDICATES CODE-REQUIRED CLEARANCE (WIDTH AND DEPTH).
DOOR INDICATES FRONT OF RECESSED PANEL.

PANELBOARDS ARE ASSIGNED AN ABBREVIATED INDICATOR (OR PANEL ID) FOR USE WITH CIRCUIT NUMBERS. PANEL ID IS LISTED WITHIN THE PANEL SCHEDULE AND IN THE PANEL ABBREVIATION SCHEDULE.
EQUIPMENT IS TAGGED WITH PANEL NAME AND WITH PANEL ID IN PARENTHESES. PANEL ID IS INTENDED AS A DESIGN DOCUMENTATION AID ONLY. DO NOT INCLUDE PANEL ID IN FIELD-APPLIED CIRCUIT DIRECTORIES OR LABELS.
DEVICES AND FIXTURES ARE TAGGED WITH PANEL ID AND CIRCUIT NUMBER. FOR EXAMPLE, A DEVICE TAGGED WITH "A1" INDICATES THE DEVICE IS CIRCUITED TO PANEL DESIGNATED "A," CIRCUIT NUMBER 1. THE PANEL SCHEDULE CIRCUIT NUMBER CONTANS BOTH THE PANEL ABBREVIATION AND THE CIRCUIT NUMBER.

- TRANSFORMER: TYPICALLY TRANSFORMER NAMES BEGIN WITH OR CONTAIN THE LETTER "T". SEE SINGLE-LINE DIAGRAM FOR DESCRIPTION AND REQUIREMENTS.

TELECOM SYMBOLS

WALL CEILING FLOOR

- DATA OUTLET
- TELEPHONE OUTLET
- DATA/TELEPHONE OUTLET

  OUTLET MODIFIERS:
  ##": HEIGHT AFF OC
  AC: ABOVE COUNTER
- WIRELESS ACCESS POINT
- TV OUTLET

SECURITY SYMBOLS

- SECURITY CAMERA
  PTZ: PAN/TILT/ZOOM
- CR CARD READER
- CK CARD READER WITH KEYPAD
- CC CLOSED CIRCUIT TV OUTLET
- DC DOOR CONTACT
- ES ELECTRIC STRIKE
- IC INTERCOM
- ML MAGNETIC LOCK
- RX REQUEST TO EXIT BUTTON
- REX REQUEST TO EXIT SENSOR
- MD MOTION DETECTOR
- XXX SECURITY CONTROL UNIT
  SCP: SECURITY CONTROL PANEL
  SPS: SECURITY POWER SUPPLY UNIT

CONSTRUCTION PHASING
(TYPICAL ALL SYMBOLS AND EQUIPMENT)

- EXISTING TO REMAIN
- EXISTING TO BE DEMOLISHED
- NEW
- EXISTING TO BE DEMOLISHED

MISCELLANEOUS

- # KEYNOTE
- 1 / A101 SIM CALLOUT:
  TOP VALUE: DETAIL NUMBER ON SHEET
  BOTTOM VALUE: SHEET NUMBER OF DETAIL
- ROOM NAME / 101 / 150 SF ROOM NAME AND NUMBER

ELECTRICAL SHEET SCHEDULE

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COUSHATTA TRIBE - EDUCATION BUILDING

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Issue:	No:	Date:
BID SET		2025.12.05

SYMBOLS, LEGENDS, AND ABBREVIATIONS - ELECTRICAL

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12/08/2025

Proj #: 24.0002607.000 Reviewed By:

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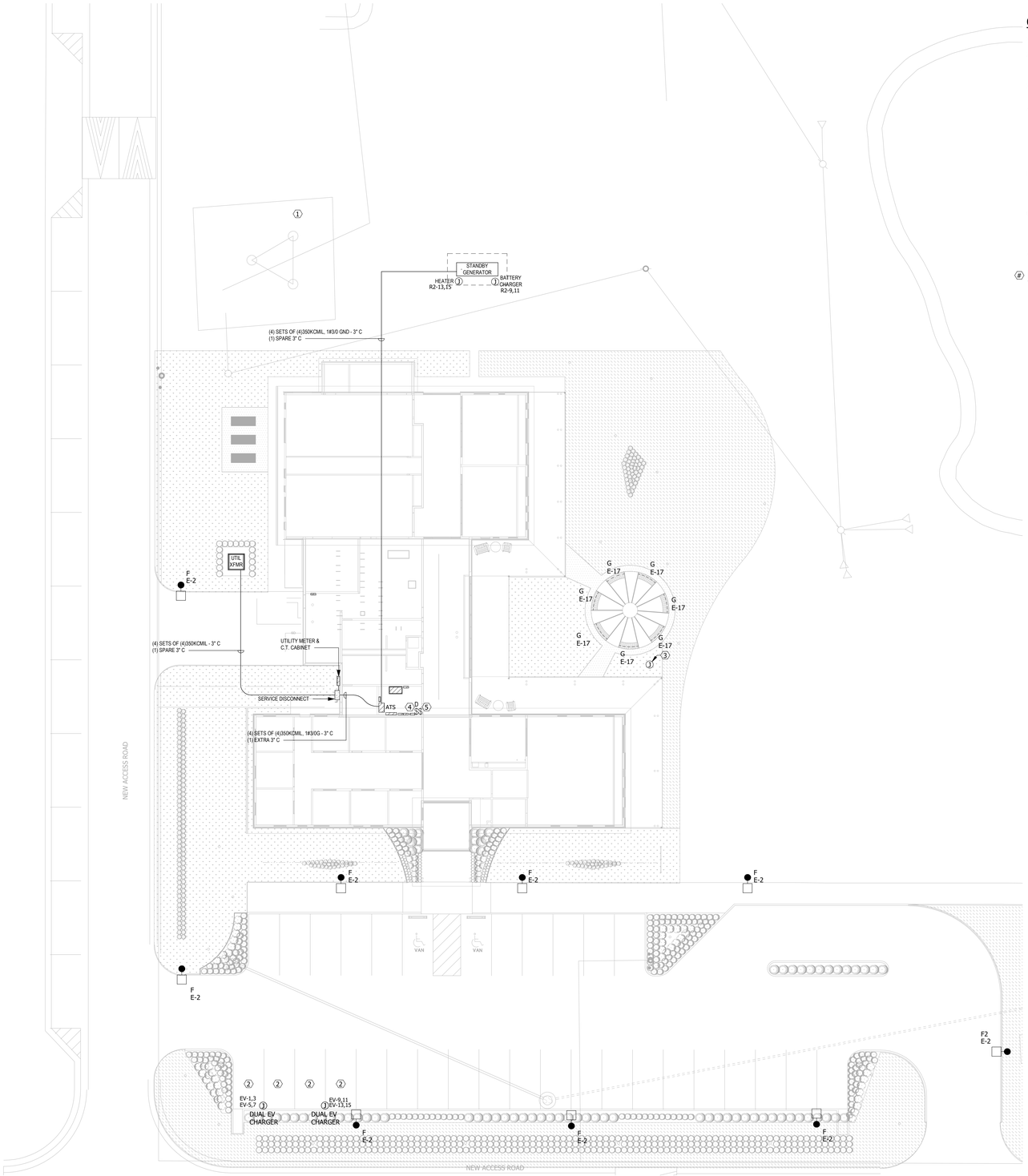
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG IF PRINTED ORIGINAL PAGE SIZE

THE SQUARES ABOVE ARE (FOR USE WITH BLACK AND WHITE LETTERS, IF PRINTED CORRECT)



1 E100 SITE PLAN - ELECTRICAL
1/16" = 1'-0"

GENERAL NOTES:

1. REFER TO DRAWING E800 FOR CONDUIT PENETRATION DETAILS.
2. ALL CONDUIT PENETRATIONS THROUGH EXTERIOR WALLS MUST BE SEALED, SLEEVED, AND PROPERLY SUPPORTED ON EACH SIDE OF THE WALL.
3. ALL OUTLET LOCATIONS SHOWN IN PLAN ARE APPROXIMATE. FINAL LOCATIONS TO BE DETERMINED IN FIELD WITH OWNER.
4. ACCESS TO AND CLEARANCES AROUND ELECTRICAL EQUIPMENT SHALL CONFORM TO THE REQUIREMENTS OF THE NEC. CONSULT ENGINEER WHERE SPACE APPEARS TO BE INADEQUATE DUE TO ARCHITECTURAL CHANGES, EQUIPMENT LAYOUT CHANGES, OR FIELD CONDITIONS. DO NOT COVER, OBSCURE, OR BLOCK ACCESS TO EQUIPMENT, DATA PLATES, ACCESS PANELS, OR MAINTENANCE AREAS WITH THE ELECTRICAL WORK.
5. THIS DRAWING SHOWS EQUIPMENT LOCATIONS ONLY. COORDINATE CONDUIT ROUTE IN FIELD WITH OTHER TRADES, EQUIPMENT, AND OWNER. VERIFY EXACT LOCATION AND MOUNTING HEIGHTS WITH OWNER & ARCHITECT PRIOR TO INSTALLATION.
6. COORDINATE EXACT LOCATION FOR UTILITY TRANSFORMER, METER, AND C.T. CABINET WITH UTILITY REQUIREMENTS PRIOR TO INSTALLATION. ENSURE UTILITY TRANSFORMER LOCATION HAS A MINIMUM 10'-0" SEPARATION FROM THE BUILDING EXTERIOR.
7. COORDINATE EXACT LOCATION FOR STANDBY GENERATOR WITH SITE REQUIREMENTS, ARCHITECT, AND OWNER.

(#) KEYNOTES:

1. EXISTING ANTENNA (APPROXIMATELY 100' TALL). INSTALL GROUND LOOP AROUND THE NEW BUILDING PER NEC. CONNECT NEW GROUND LOOP TO THE EXISTING GROUND LOOP PER NEC FOR THE EXISTING ANTENNA TOWER.
2. ELECTRIC VEHICLE CHARGING SPACES. PROVIDE (2) LEVEL 2 DUAL CHARGERS AS SHOWN ON PLAN. EV CHARGER BRAND AND MODEL TO MATCH WHAT IS ON OTHER TRIBAL PROPERTY. IN ADDITION TO POWER CONDUIT, PROVIDE (1) 1" DATA CONDUIT PER CHARGER. THIS WILL BE A UNIT PRICE ITEM: PROVIDE A COST PER LINEAR FOOT FOR TRENCHING AS WELL AS A UNIT PRICE FOR THE EV CHARGERS THEMSELVES.
3. PROVIDE INGRADE DIRECT BURIAL JUNCTION BOX, QTL Q-VAULT-T-BK-LR, AND POWER SUPPLY, QTL Q-SET-eLED+0-10V-100W-UNV-24VDC-0-10V-N/A, OR EQUAL, FOR POWER AND CONTROL CONNECTION FOR FIXTURE TYPE "G". COORDINATE WITH LANDSCAPING FOR EXACT LOCATION. CONNECT TO EACH TYPE "G" LOCATION VIA UNDERGROUND WIRING AND CONDUIT AND STUB UP ALONG THE INSIDE EDGE OF ONE LEG OF EACH BENCH. PROVIDE PHOTOCELL AND TIMECLOCK FOR CONTROL OF TYPE "G". TYPE "G" LIGHTS TO COME ON AT ASTRONOMICAL SUNSET FOR THE LOCATION AND OFF AT MIDNIGHT. LOCATE PHOTOCELL ACCORDING TO MANUFACTURER'S INSTRUCTIONS. LOCATE TIMECLOCK WITHIN ELECTRICAL ROOM AND COORDINATION WITH OTHER EQUIPMENT IN THE SPACE FOR FINAL LOCATION. PROVIDE 0-10V DIMMING SWITCH FOR LIGHT LEVEL ADJUSTMENT ADJACENT TO TIMECLOCK. LABEL LIGHT SWITCH PLATE COVER "CIRCLE SEATING".
4. SWITCH TO SERVE AS MANUAL OVERRIDE FOR CIRCUIT E-17, SITE UNDERBENCH LINEAR LIGHT FIXTURES.
5. SWITCH TO SERVE AS MANUAL OVERRIDE FOR CIRCUIT E-2, SITE POLE LIGHT FIXTURES.

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SITE PLAN - ELECTRICAL

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License No. 0049415
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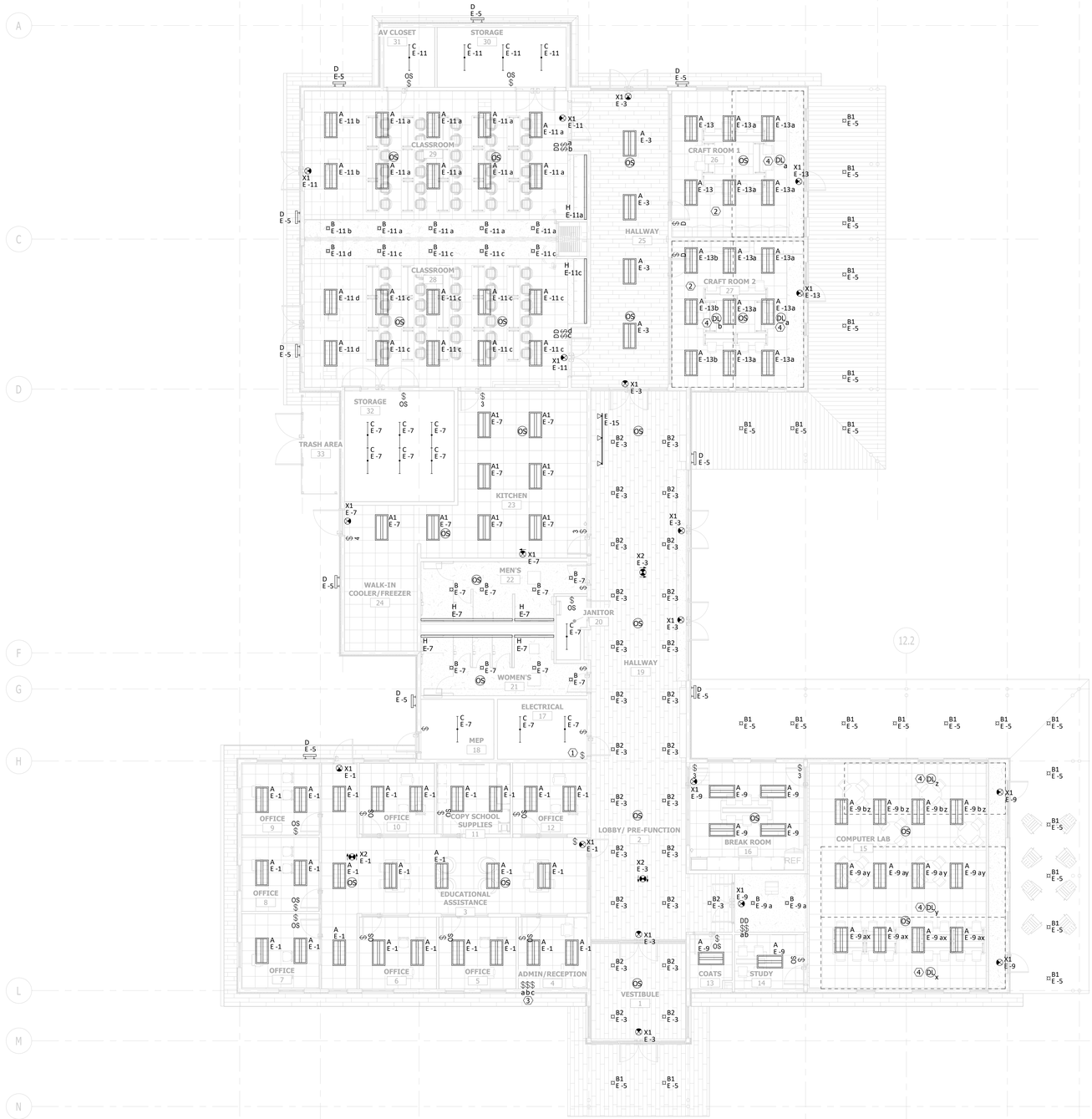

1 E201 FIRST FLOOR CONSTRUCTION PLAN - LIGHTING
1/8" = 1'-0"

LUMINAIRE SELECTION, LAYOUT, CALCULATIONS, AND DESIGN BY OTHERS. LUMINAIRES SHOWN ON THIS SHEET ARE FOR COORDINATION PURPOSES, CIRCUITING, AND CONTROL. THE ENGINEER OF RECORD (EOR) STAMPING AND SIGNING THIS DOCUMENT WAS NOT RESPONSIBLE FOR THE LIGHTING DESIGN CONTAINED WITHIN THIS SET OF DOCUMENTS.

LIGHTING PACKAGE AND PHOTOMETRICS DEVELOPED BY LIGHTING ASSOCIATES, INC. CONTACT LIZ VANHEES, (404) 293-8651, LVANHEES@LIGHTINGASSOCIATES.COM.

GENERAL NOTES:

1. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION NOT SHOWN ON THIS DRAWING.
2. REFER TO PANEL SCHEDULES FOR ADDITIONAL INFORMATION.
3. CONTRACTOR SHALL SUPPLY AS-BUILT DRAWINGS WITH THE FINAL LOCATION OF ALL EQUIPMENT AND DEVICES.
4. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND ELEVATIONS OF WIRING DEVICES, EQUIPMENT, AND LIMITS OF WORK.
5. UPON JOB COMPLETION, PROVIDE ACCURATE, MACHINE PRINTED PANEL SCHEDULES WITH AS-BUILT DRAWINGS TO THE OWNER'S PROJECT MANAGER.
6. MINIMUM CONDUCTOR SIZE SHALL BE #12AWG. CONTRACTOR SHALL ACCOUNT FOR VOLTAGE DROP BY UPSIZING CONDUCTORS BASED ON ACTUAL CIRCUIT ROUTES.
7. ALL EXIT SIGNS SHALL BE CIRCUITED TO UNSWITCHED HOT LEG OF ADJACENT LIGHTING CIRCUIT PER NEC ACTICLE 700 UNLESS OTHERWISE NOTED.

KEYNOTES:

1. SWITCH TO SERVE AS MANUAL OVERRIDE FOR CIRCUIT E-5, EXTERIOR CANOPY AND WALL PACK LIGHT FIXTURES. PHOTOCELL AND TIMECLOCK AS PROVIDED FOR FIXTURE "G" AS DETAILED IN KEYNOTE 3 ON E100 TO ALSO CONTROL ALL TYPE B1 AND D FIXTURES ON CIRCUIT E-5. LIGHTS TO COME ON AT ASTRONOMICAL SUNSET FOR THE LOCATION AND OFF AT MIDNIGHT.
2. WITHIN THIS ROOM, COORDINATE FINAL LOCATION OF WALL DEVICES INCLUDING LIGHT SWITCHES, POWER AND DATA OUTLETS, AND THERMOSTATS WITH ACOUSTIC WALL PANELS SUCH THAT WALL DEVICES DO NOT OCCUR WHERE WALL PANELS ARE INDICATED. REFER TO ARCHITECTURE DRAWINGS, SHEETS A04.01 AND A14.01 FOR MORE INFORMATION.
3. SWITCHES TO SERVE FOR THE FOLLOWING SPACES:
   a) VESTIBULE (1)
   b) LOBBY/PRE-FUNCTION(2) & HALLWAY (19)
   c) HALLWAY (25)
4. THE DASHED LINE REPRESENTS THE EXTENT OF THE DAYLIGHT ZONE THAT EACH SENSOR WITHIN IS CONTROLLING. EACH FIXTURE CONTROLLED IN THE ZONE IS MARKED ACCORDINGLY. THE DAYLIGHT CONTROL ZONE IS IN ADDITION TO ANY SWITCHING ALSO SHOWN.

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FIRST FLOOR CONSTRUCTION PLAN - LIGHTING

STATE OF LOUISIANA
JENNIFER N. FORNER
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IN
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12/08/2025

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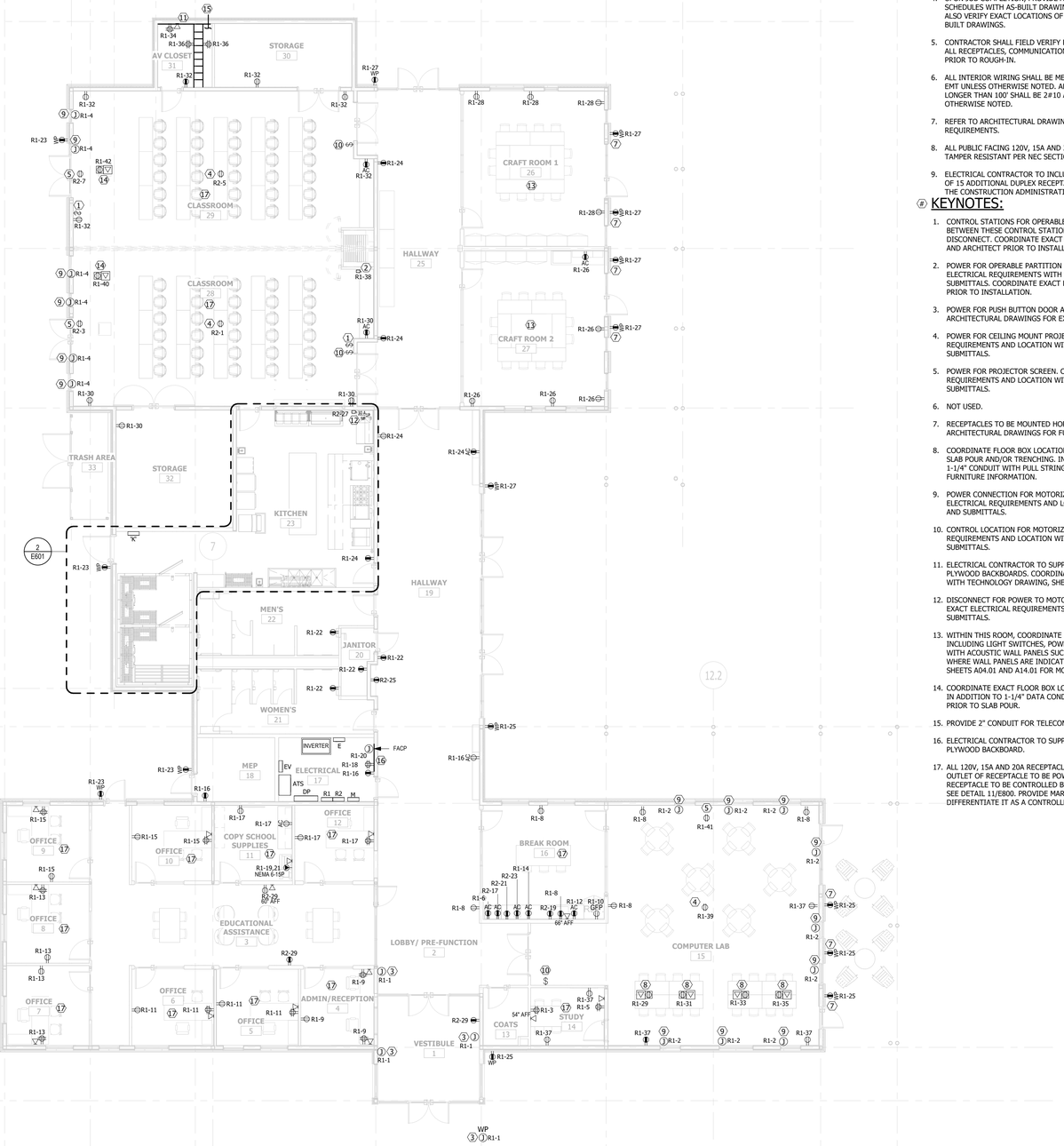

1 E301 FIRST FLOOR CONSTRUCTION PLAN - POWER
1/8" = 1'-0"

GENERAL NOTES:

1. REFER TO PANEL SCHEDULES AND ONE LINE DIAGRAM FOR ADDITIONAL INFORMATION.
2. CONTRACTOR SHALL SUPPLY AS-BUILT DRAWINGS WITH THE FINAL LOCATION OF ALL EQUIPMENT AND DEVICES.
3. REFER TO ARCHITECTURAL AND TECHNOLOGY DRAWINGS FOR EXACT LOCATIONS AND ELEVATIONS OF WIRING DEVICES, EQUIPMENT, AND LIMITS OF WORK.
4. UPON JOB COMPLETION, PROVIDE ACCURATE, MACHINE PRINTED PANEL SCHEDULES WITH AS-BUILT DRAWINGS TO THE OWNER'S PROJECT MANAGER. ALSO VERIFY EXACT LOCATIONS OF PANELBOARDS AND MARK THEM ON AS-BUILT DRAWINGS.
5. CONTRACTOR SHALL FIELD VERIFY EXACT TYPE AND MOUNTING HEIGHTS OF ALL RECEPTACLES, COMMUNICATIONS OUTLETS, AND EQUIPMENT OUTLETS PRIOR TO ROUGH-IN.
6. ALL INTERIOR WIRING SHALL BE METAL-CLAD 2#12 AWG, 1#12 GND IN 3/4" EMT UNLESS OTHERWISE NOTED. ALL EXTERIOR WIRING OR WIRE RUNS LONGER THAN 100' SHALL BE 2#10 AWG, 1#10 GND IN 3/4" IMC UNLESS OTHERWISE NOTED.
7. REFER TO ARCHITECTURAL DRAWINGS FOR DEVICE AND COVER PLATE COLOR REQUIREMENTS.
8. ALL PUBLIC FACING 120V, 15A AND 20A, RECEPTACLES SHALL BE LISTED AS TAMPER RESISTANT PER NEC SECTION 406.12.
9. ELECTRICAL CONTRACTOR TO INCLUDE AN ALLOWANCE FOR THE ADDITION OF 15 ADDITIONAL DUPLEX RECEPTACLES PER OWNER DIRECTION DURING THE CONSTRUCTION ADMINISTRATION OF THE PROJECT.

(#) KEYNOTES:

1. CONTROL STATIONS FOR OPERABLE PARTITION. PROVIDE CONDUIT PATHWAYS BETWEEN THESE CONTROL STATIONS AND THE OPERABLE PARTITION POWER DISCONNECT. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION.
2. POWER FOR OPERABLE PARTITION DISCONNECT. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH ARCHITECTURAL DRAWINGS AND SUBMITTALS. COORDINATE EXACT LOCATION WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION.
3. POWER FOR PUSH BUTTON DOOR AUTO OPENERS. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS.
4. POWER FOR CEILING MOUNT PROJECTOR. COORDINATE EXACT ELECTRICAL REQUIREMENTS AND LOCATION WITH ARCHITECTURAL DRAWINGS AND SUBMITTALS.
5. POWER FOR PROJECTOR SCREEN. COORDINATE EXACT ELECTRICAL REQUIREMENTS AND LOCATION WITH ARCHITECTURAL DRAWINGS AND SUBMITTALS.
6. NOT USED.
7. RECEPTACLES TO BE MOUNTED HORIZONTALLY AT 18" AFF. REFER TO ARCHITECTURAL DRAWINGS FOR FURTHER DETAILS.
8. COORDINATE FLOOR BOX LOCATIONS WITH FURNITURE LOCATIONS PRIOR TO SLAB POUR AND/OR TRENCHING. IN ADDITION TO POWER CONDUIT, PROVIDE 1-1/4" CONDUIT WITH PULL STRING FOR DATA. CONTACT NELSON FOR FURNITURE INFORMATION.
9. POWER CONNECTION FOR MOTORIZED SHADES. COORDINATE EXACT ELECTRICAL REQUIREMENTS AND LOCATION WITH ARCHITECTURAL DRAWINGS AND SUBMITTALS.
10. CONTROL LOCATION FOR MOTORIZED SHADES. COORDINATE EXACT ELECTRICAL REQUIREMENTS AND LOCATION WITH ARCHITECTURAL DRAWINGS AND SUBMITTALS.
11. ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL 7'-10" X 8'-0" X 0'-3/4" PLYWOOD BACKBOARDS. COORDINATE MOUNTING HEIGHTS OF WIRING DEVICES WITH TECHNOLOGY DRAWING, SHEET T4.01.
12. DISCONNECT FOR POWER TO MOTORIZED COUNTERTOP DOOR. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH ARCHITECTURAL DRAWINGS AND SUBMITTALS.
13. WITHIN THIS ROOM, COORDINATE FINAL LOCATION OF WALL DEVICES INCLUDING LIGHT SWITCHES, POWER AND DATA OUTLETS, AND THERMOSTATS WITH ACOUSTIC WALL PANELS SUCH THAT WALL DEVICES DO NOT OCCUR WHERE WALL PANELS ARE INDICATED. REFER TO ARCHITECTURE DRAWINGS, SHEETS A04.01 AND A14.01 FOR MORE INFORMATION.
14. COORDINATE EXACT FLOOR BOX LOCATION AND ROUTING OF POWER CONDUIT IN ADDITION TO 1-1/4" DATA CONDUIT IN SLAB WITH OWNER AND ARCHITECT PRIOR TO SLAB POUR.
15. PROVIDE 2" CONDUIT FOR TELECOM SERVICE PROVIDER MPOE.
16. ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL 4'-0" X 8'-0" X 0-3/4" PLYWOOD BACKBOARD.
17. ALL 120V, 15A AND 20A RECEPTACLES WITHIN ROOM TO BE SPLIT WIRED. TOP OUTLET OF RECEPTACLE TO BE POWERED CONTINUOUSLY. BOTTOM OUTLET OF RECEPTACLE TO BE CONTROLLED BY LOCAL OCCUPANCY SENSOR WITHIN ROOM, SEE DETAIL 11/E800. PROVIDE MARKING NEXT TO BOTTOM OUTLET TO DIFFERENTIATE IT AS A CONTROLLED OUTLET IN ACCORDANCE WITH THE NEC.

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FIRST FLOOR CONSTRUCTION PLAN - POWER

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IN
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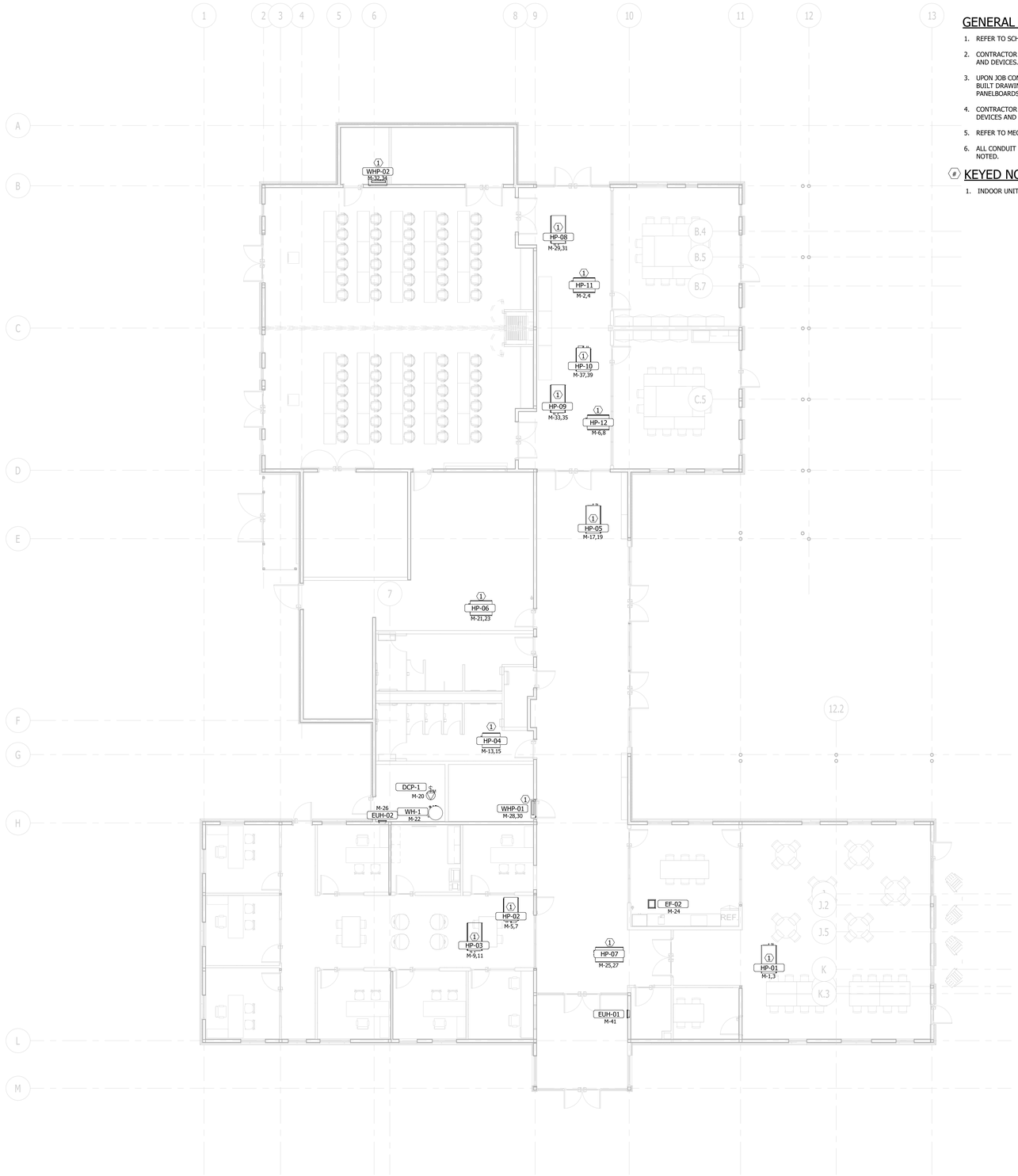

1 E401 FIRST FLOOR CONSTRUCTION PLAN - MECHANICAL POWER
1/8" = 1'-0"

GENERAL NOTES:

1. REFER TO SCHEDULES AND ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.
2. CONTRACTOR SHALL SUPPLY AS-BUILT DRAWINGS WITH FINAL LOCATIONS OF ALL EQUIPMENT AND DEVICES.
3. UPON JOB COMPLETION, PROVIDE ACCURATE, MACHINE PRINTED PANEL SCHEDULES WITH AS-BUILT DRAWINGS TO THE OWNER'S PROJECT MANAGER. VERIFY EXACT LOCATIONS OF PANELBOARDS AND MARK THEM ON AS-BUILT DRAWINGS.
4. CONTRACTOR SHALL FIELD VERIFY EXACT TYPE AND MOUNTING HEIGHTS OF ALL ELECTRICAL DEVICES AND EQUIPMENT PRIOR TO ROUGH-IN.
5. REFER TO MECHANICAL AND PLUMBING PLANS FOR FINAL EQUIPMENT LOCATIONS.
6. ALL CONDUIT MUST BE CONCEALED TO THE GREATEST EXTENT POSSIBLE UNLESS OTHERWISE NOTED.

(#) KEYED NOTES:

1. INDOOR UNIT TO BE POWERED FROM OUTDOOR UNIT.

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FIRST FLOOR CONSTRUCTION PLAN - MECHANICAL POWER

STATE OF LOUISIANA
JENNIFER N. FORNER
License No. 0049415
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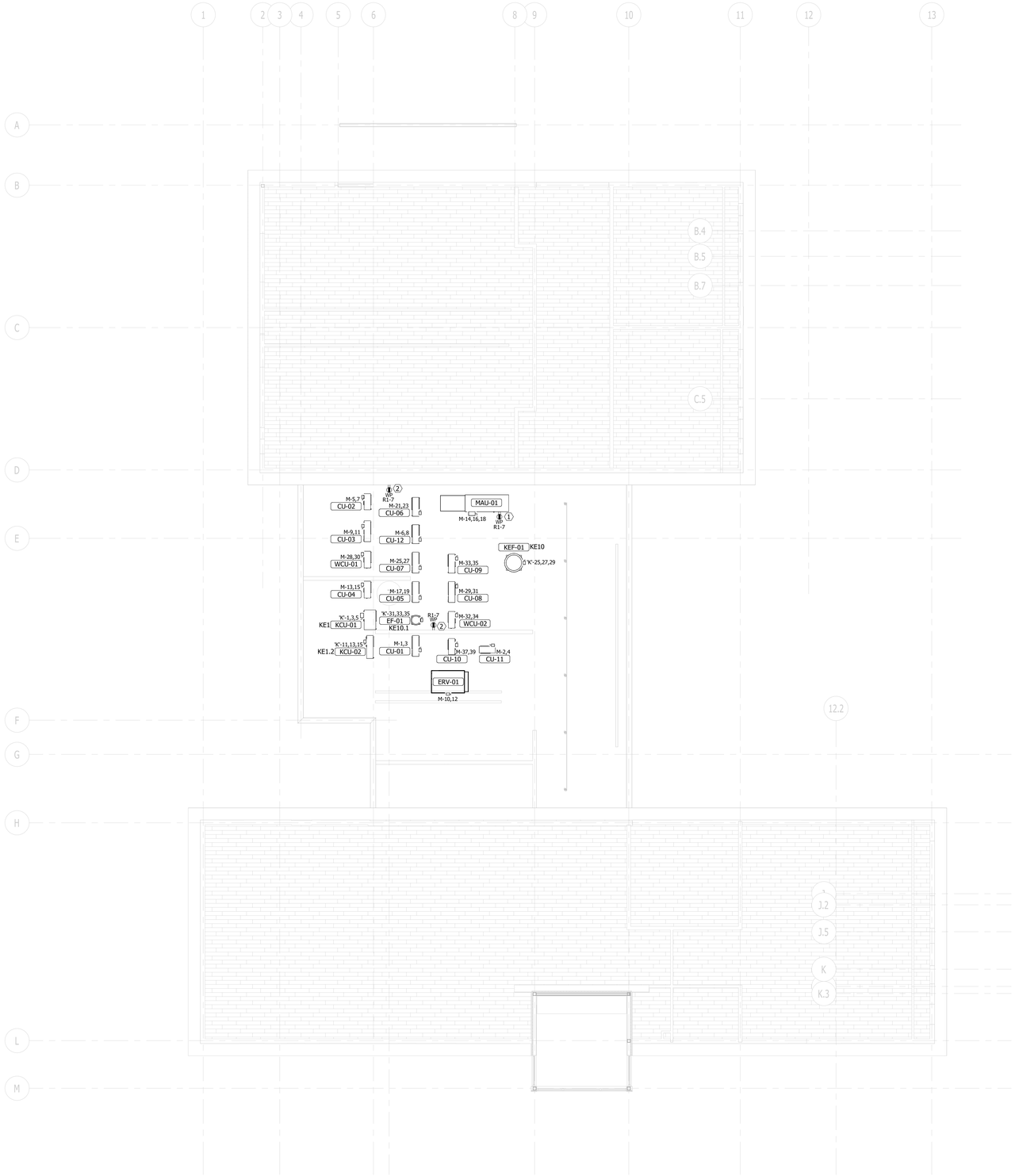

1 E501 ROOF CONSTRUCTION PLAN - MECHANICAL POWER

1/8" = 1'-0"

GENERAL NOTES:

1. REFER TO SCHEDULES AND ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.
2. CONTRACTOR SHALL SUPPLY AS-BUILT DRAWINGS WITH FINAL LOCATIONS OF ALL EQUIPMENT AND DEVICES.
3. UPON JOB COMPLETION, PROVIDE ACCURATE, MACHINE PRINTED PANEL SCHEDULES WITH AS-BUILT DRAWINGS TO THE OWNER'S PROJECT MANAGER. VERIFY EXACT LOCATIONS OF PANELBOARDS AND MARK THEM ON AS-BUILT DRAWINGS.
4. CONTRACTOR SHALL FIELD VERIFY EXACT TYPE AND MOUNTING HEIGHTS OF ALL ELECTRICAL DEVICES AND EQUIPMENT PRIOR TO ROUGH-IN.
5. REFER TO MECHANICAL AND PLUMBING PLANS FOR FINAL EQUIPMENT LOCATIONS.
6. ALL CONDUIT MUST BE CONCEALED TO THE GREATEST EXTENT POSSIBLE UNLESS OTHERWISE NOTED.

(#) KEYED NOTES:

1. PROVIDE MANUFACTURER MOUNTED 115V OUTLET WITH MAU-01. RUN SEPARATE 120V CIRCUIT TO GFCI OUTLET FOR EQUIPMENT SERVICING. PROVIDE A DISCONNECT FOR THIS RECEPTACLE.
2. HACR CONVENIENCE RECEPTACLE. IF WALL SPACE IS AVAILABLE, PROVIDE SURFACE MOUNTED AT THE WALL. IF NO WALL SPACE IS AVAILABLE, PROVIDE PEDESTAL MOUNT RECEPTACLE. MAY BE MOUNTED ON OR NEAR MECHANICAL EQUIPMENT BASES IF ROOM ALLOWS.

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ROOF PLAN - ELECTRICAL

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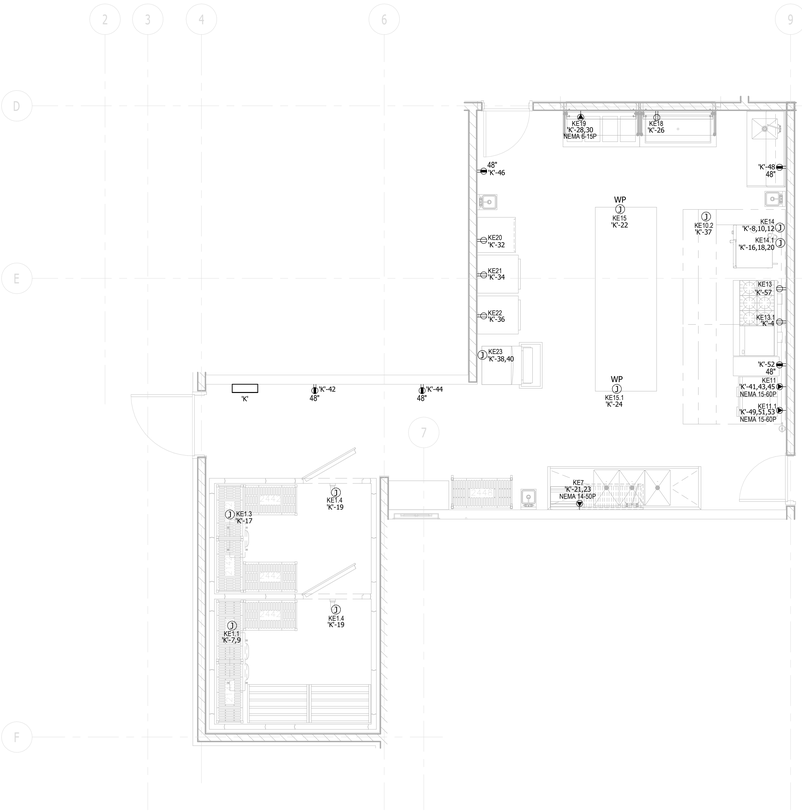

2 E601 ENLARGED POWER FLOOR PLAN - KITCHEN 23

1/4" = 1'-0"

GENERAL NOTES:

1. REFER TO PANEL SCHEDULES AND ONE LINE DIAGRAM FOR ADDITIONAL INFORMATION.
2. CONTRACTOR SHALL SUPPLY AS-BUILT DRAWINGS WITH THE FINAL LOCATION OF ALL EQUIPMENT AND DEVICES.
3. REFER TO ARCHITECTURAL AND FOOD SERVICE DRAWINGS FOR EXACT LOCATIONS AND ELEVATIONS OF WIRING DEVICES, EQUIPMENT, AND LIMITS OF WORK.
4. UPON JOB COMPLETION, PROVIDE ACCURATE, MACHINE PRINTED PANEL SCHEDULES WITH AS-BUILT DRAWINGS TO THE OWNER'S PROJECT MANAGER. ALSO VERIFY EXACT LOCATIONS OF PANELBOARDS AND MARK THEM ON AS-BUILT DRAWINGS.
5. CONTRACTOR SHALL FIELD VERIFY EXACT TYPE AND MOUNTING HEIGHTS OF ALL RECEPTACLES, COMMUNICATIONS OUTLETS, AND EQUIPMENT OUTLETS PRIOR TO ROUGH-IN.
6. ALL INTERIOR WIRING SHALL BE METAL-CLAD 2#12 AWG, 1#12 GND IN 3/4" EMT UNLESS OTHERWISE NOTED. ALL EXTERIOR WIRING OR WIRE RUNS LONGER THAN 100' SHALL BE 2#10 AWG, 1#10 GND IN 3/4" IMC UNLESS OTHERWISE NOTED.
7. REFER TO KITCHEN CONSULTANT DRAWINGS FOR ADDITIONAL INFORMATION.

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COUSHATTA TRIBE OF LOUISIANA

COUSHATTA TRIBE - EDUCATION BUILDING

1950 CC BEL RD
ELTON, LA 70532

Issue:	No:	Date:
BID SET		2025.12.05

ENLARGED PLANS - ELECTRICAL

STATE OF LOUISIANA
JENNIFER N. FORNER
License No. 0048415
PROFESSIONAL ENGINEER
IN
ELECTRICAL ENGINEERING

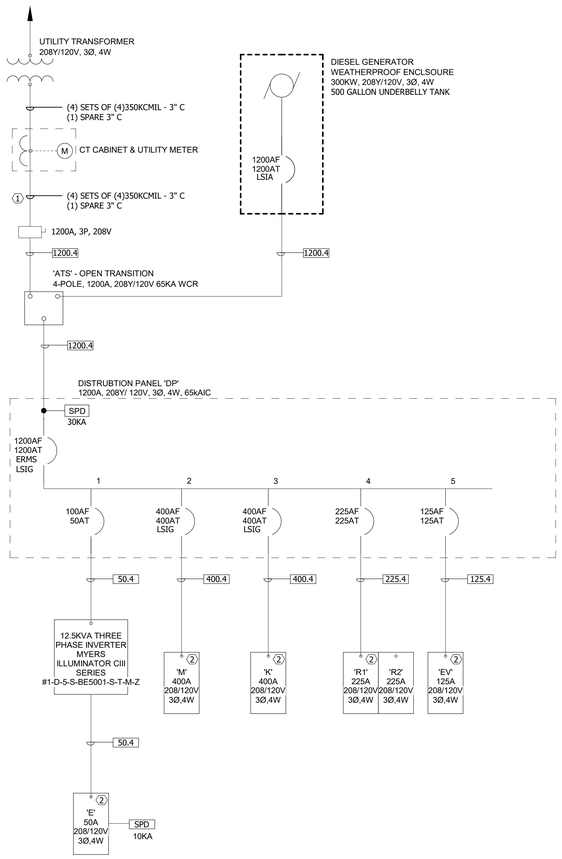
12/08/2025

Proj #: 24.0002607.000 Reviewed By:

E601

NOT RELEASED FOR CONSTRUCTION

TRUE & PROJECT NORTH



2 E700 ONE-LINE RISER DIAGRAM
NOT TO SCALE

FEEDER SCHEDULE 600V MAX.

TAG	DESCRIPTION		TAG	DESCRIPTION
20.3	(3)#12, #12G - 3/4"C		300.3	(3)350KCMIL, #4G - 2 1/2"C
20.4	(4)#12, #12G - 3/4"C		300.4	(4)350KCMIL, #4G - 3"C
30.3	(3)#10, #10G - 3/4"C		400.3	(3)500KCMIL, #3G - 3"C
30.4	(3)#10, #10G - 3/4"C		400.4	(4)500KCMIL, #3G - 3"C
40.3	(3)#8, #10G - 3/4"C		400.5	(5)500KCMIL, #3G - 3 1/2"C (200% NEUTRAL)
40.4	(4)#8, #10G - 3/4"C		500.3	(2) SETS OF(3)250KCMIL, #2G - 2 1/2"C
50.3	(3)#6, #10G - 3/4"C		500.4	(2) SETS OF(4)250KCMIL, #2G - 2 1/2"C
50.4	(4)#6, #10G - 3/4"C		600.3	(2) SETS OF(3)350KCMIL, #1G - 2 1/2"C
60.3	(3)#4, #10G - 1"C		600.4	(2) SETS OF(4)350KCMIL, #1G - 3"C
60.4	(4)#4, #10G - 1 1/4"C		800.3	(2) SETS OF(3)500KCMIL, #1/0G - 3"C
70.3	(3)#4, #8G - 1"C		800.4	(2) SETS OF(4)500KCMIL, #1/0G - 3 1/2"C
70.4	(4)#4, #8G - 1 1/4"C		900.3	(2) SETS OF(3)350KCMIL, #2/0G - 2 1/2"C
80.3	(3)#3, #8G - 1 1/4"C		900.4	(2) SETS OF(4)350KCMIL, #2/0G - 3"C
80.4	(4)#3, #8G - 1 1/4"C		1000.3	(3) SETS OF(3)400KCMIL, #2/0G - 2 1/2"C
90.3	(3)#2, #8G - 1 1/4"C		1000.4	(3) SETS OF(4)400KCMIL, #2/0G - 3"C
90.4	(4)#2, #8G - 1 1/4"C		1200.3	(4) SETS OF(3)350KCMIL, #3/0G - 2 1/2"C
100.3	(3)#2, #8G - 1 1/4"C		1200.4	(4) SETS OF(4)350KCMIL, #3/0G - 3"C
100.4	(4)#2, #8G - 1 1/4"C		1600.3	(5) SETS OF(3)500KCMIL, #4/0G - 3"C
125.3	(3)#1, #6G - 1 1/4"C		1600.4	(5) SETS OF(4)500KCMIL, #4/0G - 3 1/2"C
125.4	(4)#1, #6G - 1 1/4"C		2000.3	(6) SETS OF(3)500KCMIL, (1)250KCMILG - 3"C
150.3	(3)#1/0, #6G - 1 1/2"C		2000.4	(6) SETS OF(4)500KCMIL, (1)250KCMILG - 3 1/2"C
150.4	(4)#1/0, #6G - 1 1/2"C		2500.3	(7) SETS OF(3)500KCMIL, (1)350KCMILG - 3"C
175.3	(3)#2/0, #6G - 2"C		2500.4	(7) SETS OF(4)500KCMIL, (1)350KCMILG - 3 1/2"C
175.4	(4)#2/0, #6G - 2"C		3000.3	(8) SETS OF(3)500KCMIL, (1)400KCMILG - 3"C
200.3	(3)#3/0, #6G - 2"C		3000.4	(8) SETS OF(4)500KCMIL, (1)400KCMILG - 3 1/2"C
200.4	(4)#3/0, #6G - 2"C		4000.3	(11) SETS OF(3)500KCMIL, (1)500KCMILG - 3"C
225.3	(3)#4/0, #4G - 2"C		4000.4	(11) SETS OF(4)500KCMIL, (1)500KCMILG - 3 1/2"C
225.4	(4)#4/0, #4G - 2"C		SE	XXX
250.3	(3)250KCMIL, #4G - 2 1/2"C		SCHED	SEE TRANSFORMER SCHEDULE
250.4	(4)250KCMIL, #4G - 2 1/2"C			

NOTE: THIS TABLE IS BASED ON TYPE THWN INSULATION, COPPER CONDUCTORS IN ELECTRICAL METALLIC TUBING. CONTRACTOR SHALL MAKE ADJUSTMENT BASED ON NEC REQUIRMENTS IF DIFFERENT MATERIALS ARE UTILIZED. MC CABLE IS NOT ALLOWED.

RISER DIAGRAM GENERAL NOTES:

1. ALUMINUM CONDUCTORS MAY BE SUBSTITUTED FOR COPPER CONDUCTORS FOR FEEDERS 125 AMPS & LARGER. ALUMINUM CONDUCTORS SHALL NOT BE USED WHERE EXPRESSLY FORBIDDEN BY LOCAL ELECTRICAL INSPECTIONS DEPARTMENT. UTILITY COMPANY OR THE PLAN REVIEW BOARD OF JURISDICTION. ELECTRICAL CONTRACTOR TO COORDINATE ALL CHANGES IN SIZE & QUANTITY OF PARALLEL CONDUITS FOR ANY/ALL ALUMINUM FEEDER CHANGES.
2. REFER TO DETAILS FOR SERVICE GROUNDING & BONDING.
3. ALL FLOOR-MOUNTED EQUIPMENT SHALL BE INSTALLED ON A 4" CONCRETE HOUSEKEEPING PAD, UNLESS OTHERWISE NOTED.
4. MAXIMUM DISTANCE THE SECONDARY CONDUCTORS CAN BE RUN PRIOR TO OVERCURRENT PROTECTION IS 10 FEET.
5. ALL CIRCUIT BREAKERS GREATER THAN 250A SHALL BE PROVIDED WITH ADJUSTABLE TRIP SETTINGS.
6. PROVIDE A SHORT CIRCUIT-STUDY, SELECTIVE COORDINATION STUDY AND ARC FLASH ANALYSIS FOR EACH ELECTRICAL SERVICE AND INFRASTRUCTURE. ADJUST TRIP SETTINGS ON CIRCUIT BREAKERS & MODIFY SHORT CIRCUIT RATINGS OF ELECTRICAL EQUIPMENT PER THE RESULTS. OVERCURRENT PROTECTIVE DEVICES SHALL BE SELECTIVELY COORDINATED FOR DISTRIBUTION SYSTEMS SERVING EMERGENCY AND STANDBY LOADS, AS WELL AS THOSE SERVING MULTIPLE ELEVATORS, FOR FAULTS WITH DURATIONS AT 0.01 SECONDS. ALL OTHER LOADS SHALL BE COORDINATED TO 0.1 SECONDS.
7. COORDINATE REQUIREMENTS OF NEC ARTICLE 240.87 WITH OVER CURRENT DEVICES INSTALLED IN CIRCUIT BREAKERS RATED OR ADJUSTABLE AT 1200A AND HIGHER.
8. COORDINATE REQUIREMENTS OF NEC ARTICLE 230.95. GROUND FAULT PROTECTION OF EQUIPMENT SHALL BE PROVIDED FOR SOLIDLY GROUNDED WYE ELECTRIC SERVICES OF MORE THAN 150 VOLTS TO GROUND BUT NOT EXCEEDING 1000 VOLTS PHASE-TO-PHASE FOR EACH SERVICE DISCONNECT RATED 1000 AMPERES OR MORE.
9. REFER TO PANEL SCHEDULES ON SHEETS E900 FOR ADDITIONAL INFORMATION.

(#) KEYED NOTES:

1. ALL INCOMING UTILITY FEEDERS SHALL BE ROUTED OUTSIDE THE BUILDING OR ENCASED IN CONCRETE TO PROVIDE 2 HOUR PROTECTION. FINAL ROUTING TO BE DETERMINED DURING THE BIM COORDINATION PROCESS. COORDINATE WITH OTHER TRADES PRIOR TO COMMENCING WORK.
2. PROVIDE METER AT PANEL FOR ENERGY SUB-METERING REQUIRED IN ACCORDANCE WITH TABLE C405.12.2 AS FOUND IN THE 2021 INTERNATIONAL ENERGY CONSERVATION CODE. SYSTEM METERING SHALL COMPLY WITH C405.12.3, C405.12.4, AND C405.12.5.

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COUSHATTA TRIBE OF LOUISIANA

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COUSHATTA TRIBE - EDUCATION BUILDING

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Issue:	No:	Date:
BID SET		2025.12.05

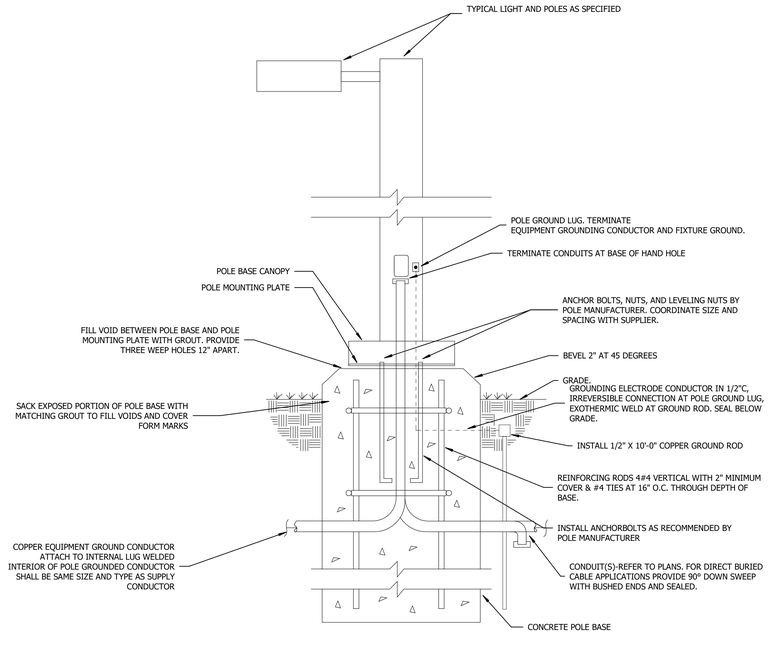
ONE-LINE RISER DIAGRAM

STATE OF LOUISIANA
JENNIFER N. FORNER
License No. 00484415
PROFESSIONAL ENGINEER
IN
ELECTRICAL ENGINEERING
12/08/2025

Proj #: 24.0002607.000 Reviewed By:

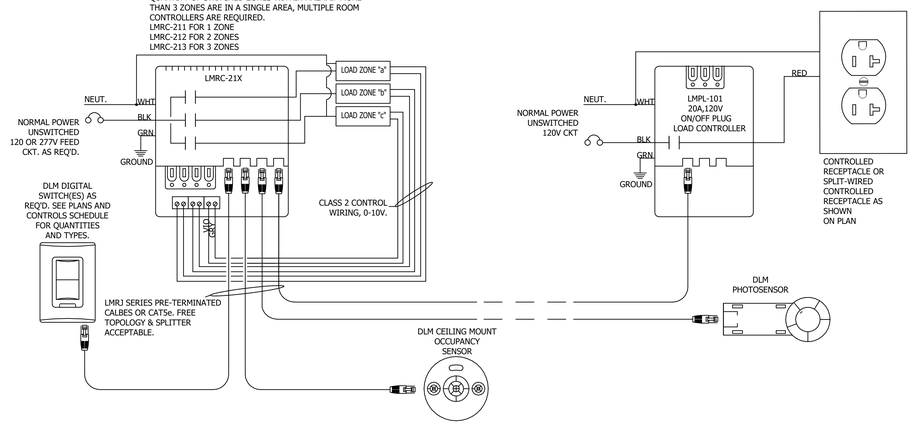
E700

NOT RELEASED FOR CONSTRUCTION

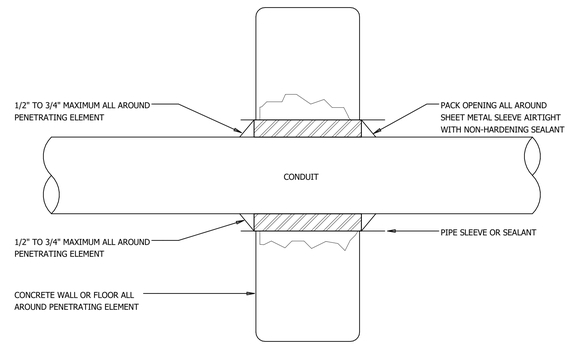


10 E800 **LIGHTING POLE BASE**
1/8" = 1'-0"

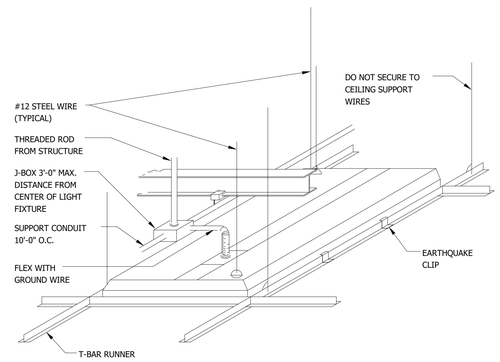
CONTRACTOR TO SELECT ROOM CONTROLLER BASED ON QUANTITY OF SWITCHED ZONES WITHIN AREA. IF MORE THAN 3 ZONES ARE IN A SINGLE AREA, MULTIPLE ROOM CONTROLLERS ARE REQUIRED.
LMRC-211 FOR 1 ZONE
LMRC-212 FOR 2 ZONES
LMRC-213 FOR 3 ZONES



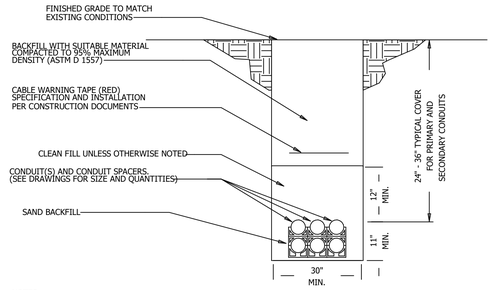
11 E800 **SWITCHED EMERGENCY LIGHTING RELAY CONTROL DIAGRAM**
12" = 1'-0"



6 E800 **NON-RATED CONDUIT PENETRATION**
12" = 1'-0"



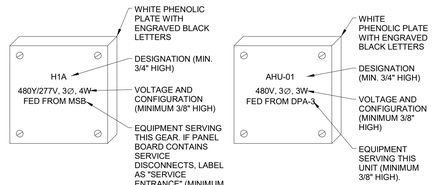
7 E800 **RECESSED LAY-IN FIXTURE MOUNTING**
12" = 1'-0"



NOTES:

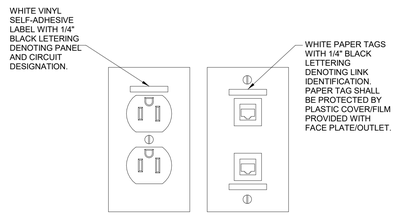
1. THE CLEAN FILL SHALL PASS THROUGH A 3/8" MESH SCREEN AND SHALL NOT CONTAIN SHARP STONES. OTHER BACKFILL SHALL NOT CONTAIN ASHES, CINDERS, SHELLS, FROZEN MATERIAL, LOOSE DEBRIS OR STONES LARGER THAN 2" IN MAXIMUM DIMENSION.
2. WHERE EXISTING UTILITIES ARE LIKELY TO BE ENCOUNTERED, CONTRACTOR SHALL HAND DIG AND PROTECT EXISTING UTILITIES.
3. PROVIDE SEPARATION OF CONDUITS OF DIFFERENT SYSTEMS (I.E., ELECTRIC, CATV & TELEPHONE) PER UTILITY COMPANY REQUIREMENTS. COORDINATE ROUTING OF CONDUITS WITH OTHER TRADES TO MAINTAIN REQUIRED SEPARATION WITH GAS, WATER, ETC., SERVICES.
4. TRENCH SHALL MEET CONSTRUCTION DOCUMENTS.
5. PROVIDE CONDUIT SPACERS 5' O.C. ALL ELBOWS SHALL BE INDEPENDENTLY SUPPORTED.

8 E800 **TYPICAL DUCT BANK**
12" = 1'-0"

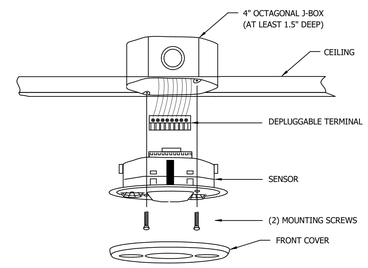


NOTE:
ATTACH SECURELY WITH STAINLESS STEEL SCREWS. NON-CORROSIVE POP RIVETS ARE ACCEPTABLE. ADHESIVE ATTACHMENT IS NOT ACCEPTABLE.

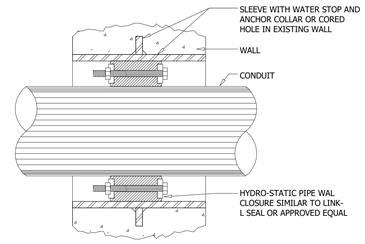
9 E800 **EQUIPMENT IDENTIFICATION**
1/8" = 1'-0"



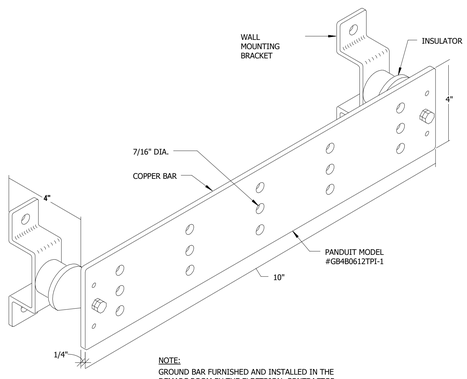
1 E800 **DEVICE IDENTIFICATION**
1/8" = 1'-0"



2 E800 **CEILING MOUNTED OCCUPANCY SENSOR**
12" = 1'-0"

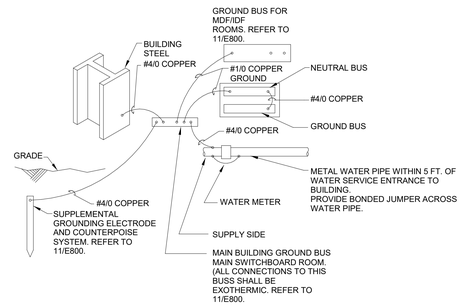


3 E800 **CONDUIT THRU FOUNDATION WALL PENETRATION**
12" = 1'-0"



NOTE:
GROUND BAR FURNISHED AND INSTALLED IN THE DEMARC ROOM BY THE ELECTRICAL CONTRACTOR.

4 E800 **GROUNDING BAR**
1/8" = 1'-0"



NOTE:
CONNECTIONS SHALL BE FIRMLY BONDED TO NEUTRAL BUS, BUILDING STEEL, GROUNDING ROD AND WATER PIPE.

5 E800 **GROUNDING SYSTEM DETAIL**
1/8" = 1'-0"

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DETAILS - ELECTRICAL

STATE OF LOUISIANA
JENNIFER N. FORNER
License No. 0040415
PROFESSIONAL ENGINEER
IN
ELECTRICAL ENGINEERING
12/08/2025

Proj #: 24.0002607.000 Reviewed By:

E800

NOT RELEASED FOR CONSTRUCTION

Panelboard: R1

Panel ID:
Location: ELECTRICAL 17
Supply: DP
Mounting: Surface
Enclosure: NEMA 1

Voltage: 208 V, 3Ø, 4W
Bus Rating: 225 A
Neutral: 100%
Feed-Thru Lugs: Yes
Features & Modifications: -

Mains Type: MLO
Mains Rating: 225 A
Mains FN/Note: -
SCCR: 25 kA

Ckt	Description	Trip (A)	Poles	FN/Note	Phase A Load (VA)		Phase B Load (VA)		Phase C Load (VA)		FN/Note	Poles	Trip (A)	Description	Ckt
1	DOOR OPENERS - 1-VESTIBULE	20	1		480	1080						1	20	MOTORIZED SHADES - 15-COMP LAB	2
3	DEDICATED QUAD - 14-STUDIO	20	1				360	720				1	20	MOTOR SHADES - 28/29-CLASSROOM	4
5	DEDICATED QUAD - 14-STUDIO	20	1						360	1920		1	20	MICROWAVE - 16-BREAK ROOM	6
7	MAINTENANCE RECEPTS - ROOF	20	1		540	1200						1	20	RECEPTS - 15-COMPUTER LAB	8
9	RECEPTS - 4-ADMIN	20	1				900	500			G	1	20	FRIDGE - 16-CAFE	10
11	RECEPTS - 5/6-OFFICES	20	1						1080	1000		1	20	COUNTER RECEPT - 16-CAFE	12
13	RECEPTS - 7/8-OFFICES	20	1		1080	1000						1	20	COUNTER RECEPT - 16-CAFE	14
15	RECEPTS - 9/10-OFFICES	20	1				1080	540				1	20	RECEPTS - 17/18-MEP/ELECTRICAL	16
17	RECEPTS - 11/12-OFFICES	20	1						900	500		1	20	TELECOM/IT - 17-ELECTRICAL	18
19	COPIER - 11-SCHOOL SUPPLIES ROOM	20	2		1000	500						1	20	FACP - 17-ELECTRICAL	20
21							1000	720				1	20	RECEPTS - 20/21/22-JANITOR/RR	22
23	RECEPTS - EXTERIOR WEST	20	1						720	900		1	20	RECEPT - 23/25-KITCHEN/HALL	24
25	RECEPTS - EXTERIOR SOUTHEAST	20	1		900	900						1	20	RECEPTS - 27-CRAFT ROOM	26
27	RECEPTS - EXTERIOR NORTHEAST	20	1				1080	720				1	20	RECEPTS - 26-ACTIVITY ROOM	28
29	COMPUTERS - 15-COMPUTER LAB	20	1						500	720		1	20	RECEPTS - 28/32-CLASS/STORAGE	30
31	COMPUTERS - 15-COMPUTER LAB	20	1		500	1080						1	20	RECEPTS - 29/30/31-CLASS/STORAGE	32
33	COMPUTERS - 15-COMPUTER LAB	20	1				500	500				1	20	AV EQUIPMENT - 31-AV CLOSET	34
35	COMPUTERS - 15-COMPUTER LAB	20	1						500	1000		1	20	AV EQUIPMENT - 31-AV CLOSET	36
37	RECEPTS - 14/15-STUDY/COMP LAB	20	1		900	1920						1	20	OPERABLE PARTITION - 28/29-CLASS	38
39	PROJECTOR - 15-COMPUTER LAB	20	1				500	500				1	20	PODIUM - 28-CLASSROOM	40
41	PROJ SCREEN - 15/COMP LAB	20	1						500	500		1	20	PODIUM - 29-CLASSROOM	42
				Connected Load:	18 kVA		14 kVA		17 kVA		(Includes load connected via feed-thru lugs.)				
				Connected Current:	153 A		118 A		141 A						

Load Classification	Connected	Factor	Demand
Motor	6827 VA	107.03%	7307 VA
Receptacle - General	15500 VA	82.26%	12750 VA
Receptacle - Dedicated	19500 VA	100.00%	19500 VA
Electric Heat	4000 VA	100.00%	4000 VA
Power	2800 VA	100.00%	2800 VA

Panel Totals	
Connected Load:	49 kVA
Connected Current:	135 A
Demand Load:	46 kVA
Demand Current:	129 A

Notes:

Panelboard: M

Location: ELECTRICAL 17
Supply: DP
Mounting: Surface
Enclosure: NEMA 1

Voltage: 208 V, 3Ø, 4W
Bus Rating: 400 A
Neutral: 100%
Feed-Thru Lugs: No
Features & Modifications: -

Mains Type: MLO
Mains Rating: 400 A
Mains FN/Note: -
SCCR: 25 kA

Ckt	Description	Trip (A)	Poles	FN/Note	Phase A Load (VA)		Phase B Load (VA)		Phase C Load (VA)		FN/Note	Poles	Trip (A)	Description	Ckt
1	CU/HP-01	30	2		1755	1165						2	20	CU/HP-11	2
3							1755	1165							4
5	CU/HP-02	20	2						1165	1581		2	25	CU/HP-12	6
7					1165	1581									8
9	CU/HP-03	30	2				1755	292				2	15	ERV-01	10
11									1755	292					12
13	CU/HP-04	15	2		845	22333						3	200	MUA-01	14
15							845	22333							16
17	CU/HP-05	30	2						1755	22333					18
19					1755	28						1	20	DCP-01	20
21	CU/HP-06	25	2				1581	408				1	20	WH-1 IGNITER	22
23									1581	120		1	20	EF-02	24
25	CU/HP-07	30	2		2080	500					L	1	20	EUH-02	26
27							2080	999				2	20	WCU/WHP-01	28
29	CU/HP-08	30	2						1755	999					30
31					1755	999						2	20	WCU/WHP-02	32
33	CU/HP-09	30	2				1415	999							34
35									1415						36
37	CU-/HP-10	20	2		1165										38
39							1165								40
41	EUH-01	20	1	L					1000						42
				Connected Load:	37 kVA		37 kVA		36 kVA						
				Connected Current:	311 A		308 A		298 A						

Load Classification	Connected	Factor	Demand
Motor	148 VA	120.27%	178 VA
Receptacle - Dedicated	408 VA	100.00%	408 VA
HVAC	109110 VA	100.00%	109110 VA

Panel Totals	
Connected Load:	110 kVA
Connected Current:	304 A
Demand Load:	110 kVA
Demand Current:	304 A

Notes:

Panelboard: DP

Location: ELECTRICAL 17
Supply:
Mounting: Surface
Enclosure: NEMA 1

Voltage: 208 V, 3Ø, 4W
Bus Rating: 1200 A
Neutral: 100%
Feed-Thru Lugs: No
Features & Modifications: -

Mains Type: MCB
Mains Rating: 1200 A
Mains FN/Note: -
SCCR: 65 kA

Ckt	Description	Trip (A)	Poles	FN/Note	Phase A Load (VA)		Phase B Load (VA)		Phase C Load (VA)		FN/Note	Poles	Trip (A)	Description	Ckt
1	'E'	60	3		3759										2
3							2208								4
5									2018						6
7	'M'	400	3		37126										8
9							36790								10
11									35750						12
13	'K'	400	3		34926										14
15							37981								16
17									35392						18
19	'R1'	225	3		17980										20
21							14147								22
23									16500						24
25	'EV'	125	3		9984										26
27							9984								28
29									6656						30
				Connected Load:	104 kVA		101 kVA		96 kVA						
				Connected Current:	871 A		849 A		803 A						

Load Classification	Connected	Factor	Demand
Motor	12015 VA	105.62%	12690 VA
Lighting - Interior	7211 VA	125.00%	9014 VA
Receptacle - General	25100 VA	69.92%	17550 VA
Receptacle - Dedicated	19908 VA	100.00%	19908 VA
HVAC	109110 VA	100.00%	109110 VA
Electric Heat	4000 VA	100.00%	4000 VA
Kitchen Equipment	86459 VA	65.00%	56198 VA
EV Charger	26624 VA	125.00%	33280 VA
Power	10000 VA	100.00%	10000 VA
Lighting	774 VA	100.00%	774 VA

Panel Totals	
Connected Load:	301 kVA
Connected Current:	836 A
Demand Load:	273 kVA
Demand Current:	756 A

Notes:

Panelboard: R2

Location: ELECTRICAL 17
Supply: R1
Mounting: Surface
Enclosure: NEMA 1

Voltage: 208 V, 3Ø, 4W
Bus Rating: 225 A
Neutral: 100%
Feed-Thru Lugs: No
Features & Modifications: -

Mains Type: MLO
Mains Rating: 225 A
Mains FN/Note: -
SCCR: 25 kA

Ckt	Description	Trip (A)	Poles	FN/Note	Phase A Load (VA)		Phase B Load (VA)		Phase C Load (VA)		FN/Note	Poles	Trip (A)	Description	Ckt
1	PROJECTOR - 28-CLASS	20	1		500										2
3	PROJECTOR SCREEN - 28-CLASS	20	1				500								4
5	PROJECTOR - 29-CLASS	20	1						500						6
7	PROJECTOR SCREEN - 29-CLASS	20	1		500										8
9	GENERATOR BATTERY CHARGER	20	2				400	0				1	20	Spare	10
11									400	0		1	20	Spare	12
13	GENERATOR BLOCK HEATER	25	2		2000	0						1	20	Spare	14
15							2000	0				1	20	Spare	16
17	MICROWAVE - 16-BREAKROOM	20	1						1920	0		1	20	Spare	18
19	DISHWASHER - 16-BREAKROOM	20	1		1400	0						1	20	Spare	20
21	ICE MAKER - 16-BREAKROOM	20	1				500	0				1	20	Spare	22
23	COFFEE - 16-BREAKROOM	20	1						1920	0		1	20	Spare	24
25	WATER FOUNTAIN - 19-HALLWAY	20	1		500	0						1	20	Spare	26
27	MTR COUNTER DOOR - 23-KITCHEN	20	1				1127	0				1	20	Spare	28
29	RECEPT + TV - 3-ED ASSISTANCE	20	1						660	0		1	20	Spare	30
31						0						1	20	Spare	32
33								0				1	20	Spare	34
35										0		1	20	Spare	36
37						0						1	20	Spare	38
39								0				1	20	Spare	40
41										0		1	20	Spare	42
				Connected Load:	5 kVA		5 kVA		5 kVA						
				Connected Current:	41 A		38 A		45 A						

Load Classification	Connected	Factor	Demand
Motor	2127 VA	113.25%	2409 VA
Receptacle - General	360 VA	100.00%	360 VA
Receptacle - Dedicated	6540 VA	100.00%	6540 VA
Electric Heat	4000 VA	100.00%	4000 VA
Power	1800 VA	100.00%	1800 VA

Panel Totals	
Connected Load:	15 kVA
Connected Current:	41 A
Demand Load:	15 kVA
Demand Current:	42 A

Notes:

Panelboard: 'K'

Location: KITCHEN 23
Supply: DP
Mounting: Surface
Enclosure: NEMA 4X

Voltage: 208 V, 3Ø, 4W
Bus Rating: 400 A
Neutral: 100%
Feed-Thru Lugs: No
Features & Modifications: -

Mains Type: MCB
Mains Rating: 400 A
Mains FN/Note:
SCCR: 25 kA

Ckt	Description	Trip (A)	Poles	FN/Note	A		B		C		FN/Note	Poles	Trip (A)	Description	Ckt
1	KE1 - FREEZER CONDENSING UNIT (KCU-01)	35	3		3456	--						1	--	SHUNT TRIP	2
3							3456	408			G	1	20	KE13.1 - GAS RANGE	4
5									3456	--		1	--	SHUNT TRIP	6
7	KE1.1 - FREEZER COILS, FANS, AND DEROST HEATER	20	2		1051	3600						3	35	KE14 - ELECTRIC COMBI-OVEN - LOWER	8
9							1051	3600							10
11	KE1.2 - COOLER CONDENSING UNIT (KCU-02)	20	3						1800	3600					12
13					1800	--						1	--	SHUNT TRIP	14
15							1800	3600				3	35	KE14.1 - ELECTRIC COMBI-OVEN - UPPER	16
17	KE1.3 - COOLER COILS AND FANS	20	1						108	3600					18
19	KE1.4 - LIGHTS, DOOR, PVT HTRS	20	1		1800	3600									20
21	KE7 - UNDERCOUNTER WAREWASHER	40	2	G			3536	2400			G	1	20	KE15 - WORK TABLE FLOOR POWER	22
23									3536	2400	G	1	20	KE15.1 - WORK TABLE FLOOR POWER	24
25	KE10 - EXHAUST FAN (KEF-01)	20	3		900	936					G	1	20	KE18 - COLD FOOD COUNTER	26
27							900	1259			G	2	20	KE19 - HOT FOOD COUNTER	28
29									900	1259					30
31	KE10.1 - SUPPLY FAN (EF-01)	20	3		780	2196					G	1	25	KE20 - HEAT/HUMIDITY CABINET	32
33							780	456			G	1	20	KE21 - REACH IN FRIDGE	34
35									780	780	G	1	20	KE22 - REACH IN FREEZER	36
37	KE10.2 - HOOD LIGHTS/CONTROLS	20	1		2400	1155						2	20	KE23 - ICE MAKER	38
39	SHUNT TRIP	--	1				--	1155							40
41	KE11 - ELECTRIC DEEP FRYER	50	3	G					4667	1920		1	20	CONVENIENCE RECEPTACLE	42
43					4667	1920						1	20	CONVENIENCE RECEPTACLE	44
45							4667	1920				1	20	CONVENIENCE RECEPTACLE	46
47	SHUNT TRIP	--	1						--	1920		1	20	CONVENIENCE RECEPTACLE	48
49	KE11.1 - ELECTRIC DEEP FRYER	50	3	G	4667	--						1	--	SHUNT TRIP	50
51							4667	1920				1	20	CONVENIENCE RECEPTACLE	52
53									4667						54
55	SHUNT TRIP	--	1		--										56
57	KE13 - GAS RANGE	20	1	G			408								58
59															60
				Connected Load:	35 kVA		38 kVA		35 kVA						
				Connected Current:	291 A		317 A		296 A						

Load Classification	Connected	Factor	Demand
Motor	5040 VA	113.39%	5715 VA
Receptacle - General	9600 VA	100.00%	9600 VA
Kitchen Equipment	86459 VA	65.00%	56198 VA
Power	7200 VA	100.00%	7200 VA

Panel Totals	
Connected Load:	108 kVA
Connected Current:	301 A
Demand Load:	79 kVA
Demand Current:	218 A

Notes:

Panelboard: E

Location: ELECTRICAL 17
Supply: DP
Mounting: Surface
Enclosure: NEMA 1

Voltage: 208 V, 3Ø, 4W
Bus Rating: 100 A
Neutral: 100%
Feed-Thru Lugs: No
Features & Modifications: -

Mains Type: MLO
Mains Rating: 50 A
Mains FN/Note: -
SCCR: 25 kA

Ckt	Description	Trip (A)	Poles	FN/Note	Phase A Load (VA)		Phase B Load (VA)		Phase C Load (VA)		FN/Note	Poles	Trip (A)	Description	Ckt
1	LIGHTING - OFFICE AREA	20	1		1179	774					1	1	20	LIGHTING - PARKING LOT	2
3	LIGHTING - CORRIDOR GENERAL	20	1				704	0				1	20	Spare	4
5	LIGHTING - EXTERIOR	20	1	1					528	0		1	20	Spare	6
7	LIGHTING - KITCHEN, RESTROOMS	20	1		1097	0						1	20	Spare	8
9	LIGHTING - COMPUTER LAB AREA	20	1				904	0				1	20	Spare	10
11	LIGHTING - CLASSROOMS	20	1						1418						12
13	LIGHTING - CRAFT/ACTIVITY ROOM	20	1		709										14
15	LIGHTING - CORRIDOR TRACK	20	1				600								16
17	LIGHTING - EXT CIRCLE SEATING	20	1	1					72						18
				Connected Load:	4 kVA		2 kVA		2 kVA						
				Connected Current:	32 A		19 A		17 A						

Load Classification	Connected	Factor	Demand
Lighting - Interior	7211 VA	125.00%	9014 VA
Lighting	774 VA	100.00%	774 VA

Panel Totals	
Connected Load:	8 kVA
Connected Current:	22 A
Demand Load:	10 kVA
Demand Current:	27 A

Notes: 1) CONTROL CIRCUIT VIA PHOTOCELL AND TIMECLOCK, WHICH OPERATE ON A DAWN/DUSK CYCLE. MANUAL OVERRIDE FOR THIS CIRCUIT LOCATED IN ELECTRICAL ROOM.

Panelboard: EV

Location: ELECTRICAL 17
Supply: DP
Mounting: Surface
Enclosure: NEMA 1

Voltage: 208 V, 3Ø, 4W
Bus Rating: 125 A
Neutral: 100%
Feed-Thru Lugs: No
Features & Modifications: -

Mains Type: MLO
Mains Rating: 125 A
Mains FN/Note: -
SCCR: 25 kA

Ckt	Description	Trip (A)	Poles	FN/Note	Phase A Load (VA)		Phase B Load (VA)		Phase C Load (VA)		FN/Note	Poles	Trip (A)	Description	Ckt
1	EV CHARGER	40	2	G	3328										2
3							3328								4
5	EV CHARGER	40	2	G					3328						6
7					3328										8
9	EV CHARGER	40	2	G			3328								10
11									3328						12
13	EV CHARGER	40	2	G	3328										14
15							3328								16
17															18
				Connected Load:	10 kVA		10 kVA		7 kVA						
				Connected Current:	87 A		87 A		55 A						

Load Classification	Connected	Factor	Demand
EV Charger	26624 VA	125.00%	33280 VA

Panel Totals	
Connected Load:	27 kVA
Connected Current:	74 A
Demand Load:	33 kVA
Demand Current:	92 A

Notes:

ELECTRICAL DEVICES POWERING MECHANICAL/PLUMBING EQUIPMENT

EQUIPMENT	PANEL	CIRCUIT	LOAD	VOLT	PHASE	FLA	MCA	MOCP	CONNECTION DEVICE	FRAME SIZE	PHASE CONDUCTORS	GROUND CONDUCTOR	CONDUIT SIZE
CU/HP-01	M	1,3	3510 VA	208 V	1	16.9	21.2	30	NON-FUSED DISCONNECT	30	2 #10	1 #10	3/4"
CU/HP-02	M	5,7	2330 VA	208 V	1	11.2	14	20	NON-FUSED DISCONNECT	30	2 #12	1 #12	3/4"
CU/HP-03	M	9,11	3510 VA	208 V	1	16.9	21.2	30	NON-FUSED DISCONNECT	30	2 #10	1 #10	3/4"
CU/HP-04	M	13,15	1690 VA	208 V	1	8.2	10.3	15	NON-FUSED DISCONNECT	30	2 #12	1 #12	3/4"
CU/HP-05	M	17,19	3510 VA	208 V	1	16.9	21.2	30	NON-FUSED DISCONNECT	30	2 #10	1 #10	3/4"
CU/HP-06	M	21,23	3162 VA	208 V	1	15.3	19.1	25	NON-FUSED DISCONNECT	30	2 #12	1 #10	3/4"
CU/HP-07	M	25,27	4160 VA	208 V	1	20	25	30	NON-FUSED DISCONNECT	30	2 #10	1 #10	3/4"
CU/HP-08	M	29,31	3510 VA	208 V	1	16.9	21.2	30	NON-FUSED DISCONNECT	30	2 #10	1 #10	3/4"
CU/HP-09	M	33,35	2829 VA	208 V	1	13.6	17	30	NON-FUSED DISCONNECT	30	2 #12	1 #10	3/4"
CU/HP-10	M	37,39	2330 VA	208 V	1	11.2	14	20	NON-FUSED DISCONNECT	30	2 #12	1 #12	3/4"
CU/HP-11	M	2,4	2330 VA	208 V	1	11.2	14	20	NON-FUSED DISCONNECT	30	2 #12	1 #12	3/4"
CU/HP-12	M	6,8	3162 VA	208 V	1	15.3	19.1	25	NON-FUSED DISCONNECT	30	2 #12	1 #10	3/4"
DCP-1	M	20	28 VA	120 V	1	0.3	0.4	20	MOTOR SWITCH	30	2 #12	1 #12	3/4"
EF-01	'K'	31,33,35	2340 VA	208 V	3	6.5	8.2	20	NON-FUSED DISCONNECT	30	3 #12	1 #12	3/4"
EF-02	M	24	120 VA	120 V	1	1	1.25	20	MOTOR SWITCH	30	2 #12	1 #12	3/4"
ERV-01	M	10,12	583 VA	208 V	1	2.8	3.5	15	NON-FUSED DISCONNECT	30	2 #12	1 #12	3/4"
EUH-01	M	41	1000 VA	120 V	1	8.3	10.4	20	INTEGRAL DISCONNECT	30	2 #12	1 #12	3/4"
EUH-02	M	26	500 VA	120 V	1	4.2	5.2	20	INTEGRAL DISCONNECT	30	2 #12	1 #12	3/4"
KCU-01	'K'	1,3,5	10368 VA	208 V	3	28.8	35	35	NON-FUSED DISCONNECT	60	3 #8	1 #10	3/4"
KCU-02	'K'	11,13,15	5400 VA	208 V	3	15	18.8	20	NON-FUSED DISCONNECT	30	3 #12	1 #12	3/4"
KEF-01	'K'	25,27,29	2700 VA	208 V	3	7.5	9.4	20	NON-FUSED DISCONNECT	30	3 #12	1 #12	3/4"
MUA-01	M	14,16,18	67000 VA	208 V	3	186.1	195	200	NON-FUSED DISCONNECT	200	3 #3/0	1 #6	2"
WCU/WHP-01	M	28,30	1997 VA	208 V	1	9.6	12	20	NON-FUSED DISCONNECT	30	2 #12	1 #12	3/4"
WCU/WHP-02	M	32,34	1997 VA	208 V	1	9.6	12	20	NON-FUSED DISCONNECT	30	2 #12	1 #12	3/4"
WH-1	M	22	408 VA	120 V	1	3.4	4.3	20	INTEGRAL DISCONNECT	30	2 #12	1 #12	3/4"

BRANCH CIRCUIT SCHEDULE

OCP	CIRCUIT	DISTANCE	OCP	CIRCUIT	DISTANCE
20/1	(2)#12, #12G - 3/4"C	55	70/1	(2)#4, #8G - 1"C	126
20/2	(2)#12, #12G - 3/4"C	97	70/2	(2)#4, #8G - 1"C	173
20/2N	(3)#12, #12G - 3/4"C	97	70/2N	(3)#4, #8G - 1"C	173
20/3	(3)#12, #12G - 3/4"C	112	70/3	(3)#4, #8G - 1"C	253
20/3N	(4)#12, #12G - 3/4"C	112	70/3N	(4)#4, #8G - 1 1/4"C	253
30/1	(2)#10, #10G - 3/4"C	59	80/1	(2)#4, #8G - 1"C	139
30/2	(2)#10, #10G - 3/4"C	64	80/2	(2)#4, #8G - 1"C	191
30/2N	(3)#10, #10G - 3/4"C	64	80/2N	(3)#4, #8G - 1"C	191
30/3	(3)#10, #10G - 3/4"C	119	80/3	(3)#4, #8G - 1"C	280
30/3N	(4)#10, #10G - 3/4"C	119	80/3N	(4)#4, #8G - 1 1/4"C	280
40/1	(2)#8, #10G - 3/4"C	71	90/1	(2)#3, #8G - 1 1/4"C	156
40/2	(2)#8, #10G - 3/4"C	77	90/2	(2)#3, #8G - 1 1/4"C	215
40/2N	(3)#8, #10G - 3/4"C	77	90/2N	(3)#3, #8G - 1 1/4"C	215
40/3	(3)#8, #10G - 3/4"C	143	90/3	(3)#3, #8G - 1 1/4"C	312
40/3N	(4)#8, #10G -1"C	143	90/3N	(4)#3, #8G - 1 1/4"C	312
50/1	(2)#8, #10G - 3/4"C	88	100/1	(2)#3, #8G - 1 1/4"C	177
50/2	(2)#8, #10G - 3/4"C	99	100/2	(2)#3, #8G - 1 1/4"C	243
50/2N	(3)#8, #10G - 3/4"C	99	100/2N	(3)#3, #8G - 1 1/4"C	243
50/3	(3)#8, #10G - 3/4"C	176	100/3	(3)#3, #8G - 1 1/4"C	354
50/3N	(4)#8, #10G - 1"C	176	100/3N	(4)#3, #8G - 1 1/4"C	354
60/1	(2)#6, #10G - 3/4"C	116			
60/2	(2)#6, #10G - 3/4"C	127			
60/2N	(3)#6, #10G - 1"C	127			
60/3	(3)#6, #10G - 1"C	233			
60/3N	(4)#6, #10G - 1"C	233			

BREAKER FUNCTION SCHEDULE

#	FOR ANY NUMBER, SEE PANEL SCHEDULE FOOTER NOTE
A	ARC-FAULT INTERRUPTER (AFCI) PROTECTION
AR	ARC ENERGY REDUCTION MAINTENANCE SWITCH
D	DEMOLISHED CIRCUIT (NOW SPARE OR SPACE) {FORMER CIRCUIT IN BRACKETS}
E	EXISTING-TO-REMAIN CIRCUIT
EM	PROVIDE IDENTIFICATION PER NEC 700.12(I)(2)(4)
G	GROUND-FAULT CIRCUIT INTERRUPTER (GFCI) PROTECTION (5 MA)
GE	GROUND-FAULT PROTECTION FOR EQUIPMENT (30 MA)
GF	ADJUSTABLE GROUND-FAULT PROTECTION FOR EQUIPMENT
H	BREAKER HASP TO PREVENT UNINTENTIONAL OPENING
L	LOCKABLE OPEN ACCORDING TO NEC 110.25
LSI	LONG-TIME, SHORT-TIME, INSTANTANEOUS ADJUSTMENT
LSIG	LONG-TIME, SHORT-TIME, INSTANTANEOUS AND GROUND-FAULT ADJUSTMENTS
N	NEW CIRCUIT (IN EXISTING PANEL, PREVIOUSLY SPARE OR SPACE)
NB	NEW BREAKER TO REPLACE EXISTING BREAKER OR SPACE (NEW TRIP RATING SHOWN)
NR	NEW CIRCUIT TO REPLACE EXISTING CIRCUIT {FORMER CIRCUIT IN BRACKETS}
R	RELOCATED CIRCUIT
S	SWITCH-RATED PER NEC 240.83(D)

NOTES:
1. ALL BRANCH CIRCUITS ARE COPPER.
2. VOLTAGE DROP IS BASED ON 3% FOR BRANCH CIRCUITS.
3. FOR OCPS NOT LISTED, USE NEXT LARGER SIZE.
4. 'N' DENOTES A NEUTRAL LINE.
5. ALL DISTANCES ARE CALCULATED AT 120/208V. FOR 277/480V, DOUBLE VALUES FOR AN ESTIMATED DISTANCE.

LIGHTING FIXTURE SCHEDULE

TAG	MANUFACTURER	MODEL NUMBER	DESCRIPTION	LAMP	CCT	MOUNTING	CONTROL	VOLTAGE	WATTS	WFT
A	LITHONIA	STAK-2X4-5000LM-80CRI-35K-COL-MIN10-ZT-120	2X4 LED TROFFER	Integral LED	3500 K	LAY-IN	LED DRIVER, 0-10V DIMMING, 10%	120 V	42 W	
A1	LITHONIA	CPX 2X4 5000LM 80 35K SWL MVOLT	2X4 LED TROFFER, KITCHEN	Integral LED	3500 K	LAY-IN	LED DRIVER, 0-10V DIMMING, 10%	120 V	40 W	
B	LEDRA	NU6-RD-SW-25LM-35K-80-HE60-TRIM-BEZEL-NC-120-DIM10	6" RECESSED DOWNLIGHT	Integral LED	3500 K	RECESSED	LED DRIVER, 0-10V DIMMING, 1%	120 V	20 W	
B1	LEDRA	NU6-RD-SW-20LM-30K-80-HE60-TRIM-BEZEL-NC-120-DIM10	6" DOWNLIGHT - EXTERIOR	Integral LED	3000 K	RECESSED	LED DRIVER, 0-10V DIMMING, 1%	120 V	16 W	
B2	LEDRA	NU4-RD-SW-20LM--35K-80-50D-DL-TRIM/BEZEL-NC-120-DIM10	4" RECESSED DOWNLIGHT, TRIMLESS	Integral LED	3500 K	RECESSED	LED DRIVER, 0-10V DIMMING, 1%	120 V	17 W	
C	LITHONIA	ZL1N L48 3000LM FST MVOLT 40K 80CRI	4' STRIP	Integral LED	4000 K	SUSPENDED	LED DRIVER	120 V	25 W	
D	LITHONIA	WDGE2LED-P2-30K-90CRI-VFX-MVOLT-SRM	WALL PACK	Integral LED	3000 K	SURFACE WALL HORIZONTAL	LED DRIVER	120 V	10 W	
E	LEDRA	LX-PRO-SW-15LM-30K-90-50D-DL-BK-MTG-PENDANT-120-DIM10	TRACK LIGHTING WITH HEADS	Integral LED	3500 K	CEILING SURFACE	LED DRIVER, 0-10V DIMMING, 1%	120 V	540 W	68 W
F	STRUCTURA	LINW-M4400-L30-4-C-UNV-ST-MS/L3-STD-ST-16-X-X-XXX-A16-STD	POLE MOUNTED FULL CUTOFF AREA LIGHT	Integral LED	3000 K	POLE	LED DRIVER, 0-10V DIMMING, 10%	120 V	86 W	
F2	STRUCTURA	LINW-M4400-L30-2-C-UNV-ST-MS/L3-STD-ST-16-X-X-XXX-A16-STD	POLE MOUNTED FULL CUTOFF AREA LIGHT	Integral LED	3000 K	POLE	LED DRIVER, 0-10V DIMMING, 10%	120 V	86 W	
G	QTL	KURV-BK-SW-BN-SB-BK-16'-WET-30-1.5-ENC/TL-XX-XX-BK-XX-O	EXTERIOR FLEXIBLE LINEAR STRIP	Integral LED	3000 K	SURFACE	LED DRIVER, 0-10V	120 V	<varies>	2 W
H	LUMENWERX	V3PERS-XX-SW-XXCRI-XXXLMF-35K-LENGTH-120V	LINEAR WALL WASH	Integral LED	3500 K	WALL	LED DRIVER, 0-10V 1% DIMMABLE	120 V	<varies>	6 W
X1	LITHONIA	EDGR 1 RMR	EXIT SIGN, EDGE-LIT, 1-SIDED, MIRRORED BACKING	Integral LED	0 K	CEILING	--	120 V	5 W	
X2	LITHONIA	EDGR 2 RMR	EXIT SIGN, EDGE-LIT, 2-SIDED, MIRRORED BACKING	Integral LED	0 K	CEILING	--	120 V	5 W	

LUMINAIRE SELECTION, LAYOUT, CALCULATIONS, AND DESIGN BY OTHERS (EXCEPT FOR SITE LIGHTING FIXTURES F, F2, AND G. LUMINAIRES SHOWN ON THIS SHEET ARE FOR COORDINATION PURPOSES, CIRCUITING, AND CONTROL. THE ENGINEER OF RECORD (EOR) STAMPING AND SIGNING THIS DOCUMENT WAS NOT RESPONSIBLE FOR THE LIGHTING DESIGN CONTAINED WITHIN THIS SET OF DOCUMENTS.

LIGHTING PACKAGE AND PHOTOMETRICS DEVELOPED BY LIGHTING ASSOCIATES, INC. CONTACT LIZ VANHEES, (404) 293-8651, LVANHEES@LIGHTINGASSOCIATES.COM.

SEQUENCE OF OPERATIONS

VESTIBULE (1), LOBBY/PRE-FUNCTION (2), HALLWAYS (19,25)	LIGHTS SHALL TURN ON TO 100% OUTPUT UPON ACTIVATION OF OCCUPANCY SENSOR. LIGHTS SHALL DIM TO 20% OUTPUT AFTER 20 MINUTES OF VACANCY.
EDUCATIONAL ASSISTANCE (3), ADMIN/RECEPTION (4), OFFICES (5,6,7,8,9,10,12), COPY SCHOOL SUPPLIES (11), COATS (13), STUDY (14), BREAK ROOM (16), JANITOR (20), KITCHEN (23), STORAGE (30,32), AV CLOSET (31)	LIGHTS SHALL TURN ON VIA MANUAL ACTIVATION OF WALL SWITCH. LIGHTS SHALL TURN OFF AUTOMATICALLY AFTER 20 MINUTES OF VACANCY.
WOMEN'S (21), MEN'S (22)	LIGHTS SHALL TURN ON AND OFF AUTOMATICALLY VIA OCCUPANCY SENSOR. PROVIDE 20 MINUTE TIMEOUT FOR OCCUPANCY SENSOR.
COMPUTER LAB (15), CRAFT ROOMS (26,27), CLASSROOMS (28,29)	LIGHTS SHALL TURN ON VIA MANUAL ACTIVATION OF WALL SWITCH. LIGHTS SHALL TURN OF AUTOMATICALLY AFTER 20 MINUTES OF VACANCY. LIGHTS SHALL MANUALL DIM PER ZONE VIA WALL SWITCH(ES). LIGHTS SHALL ALSO BE CONTROLLED BY DAYLIGHT SENSORS IF REQUIRED, AS DICTATED ON PLANS. PROVIDE QUANTITY OF WALL SWITCHES AS REQUIRED FOR INDEPENDENT CONTROL OF ALL ZONES AS IDENTIFIED ON PLANS.
ELECTRICAL (17), MEP (18)	LIGHTS SHALL TURN ON AND OFF VIA LINE VOLTAGE WALL SWITCH. LIGHTS SHALL NOT BE CONTROLLED VIA OCCUPANCY SENSOR FOR SAFETY.

LIGHTING CONTROL SEQUENCE OF OPERATIONS GENERAL NOTES:

1. ADJUST DAYLIGHT RESPONSIVE CONTROLS TO MEET REQUIREMENTS OF 2021 INTERNATIONAL ENERGY CONSERVATION CODE (IECC), SECTION C405.2.4.

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SCHEDULES - ELECTRICAL

STATE OF LOUISIANA
JENNIFER N. FORNER
License No. 0049415
PROFESSIONAL ENGINEER
IN
ELECTRICAL ENGINEERING
12/08/2025

Proj #: 24.0002607.000 Reviewed By:

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TECHNOLOGY SERIES
(LOW VOLTAGE) DRAWINGS

SHEET INDEX	
#	SHEET NAME
T0.01	TECHNOLOGY COVER SHEET/INDEX/LEGEND
T1.01	OVERALL CONSTRUCTION PLAN - TECHNOLOGY
T2.01	CONSTRUCTION PLAN - ELECTRICAL TECHNOLOGY
T3.01	HORIZONTAL CABLING ELEVATION PLAN
T3.02	TECHNOLOGY CABLING DETAIL PLANS
T4.01	MDF ENLARGED PLANS
T5.01	SECURITY DOOR ELEVATION PLANS
T5.02	SECURITY CAMERA DETAIL PLANS
T5.03	SECURITY CABLING DETAIL PLANS
T6.00	OVERALL AV ENLARGED PLANS
T6.01	STUDY / HUDDLE ROOM AV ENLARGEMENTS
T6.02	BREAKROOM AV ENLARGEMENTS
T6.03	EDUCATIONAL ASSISTANCE AV ENLARGEMENTS
T6.04	COMPUTER CLASSROOM AV ENLARGEMENTS
T6.05	LARGE CLASSROOMS AV ENLARGEMENTS
T6.06	ACTIVITY / CRAFT ROOMS AV ENLARGEMENTS

GENERAL NOTES

1. REFER TO LOW VOLTAGE RFP'S FOR GENERAL LOW VOLTAGE REQUIREMENTS AND SCOPE DETAILS FOR ALL APPLICABLE WORK (CABLING, SECURITY, AV, ETC.).
2. CONTRACTOR SHALL OBTAIN, POSSESS AND MAINTAIN AT ALL TIMES ALL REQUIRED LOCAL, STATE, AND FEDERAL LICENSES, INSURANCES, AND PERMITS NECESSARY FOR THE LAWFUL EXECUTION OF THE WORK.
3. CONTRACTOR SHALL COMPLY WITH ALL INDUSTRY ACCEPTED STANDARDS, BEST PRACTICES, AND ALL LOCAL, STATE AND FEDERAL CODE AND REGULATIONS INCLUDING BUT NOT LIMITED TO ANSI/TIA, BICSI, EIA, IBC, IFC, NEC, NEMA, AND UL.
4. ALL LOW VOLTAGE OUTLETS REQUIRE (1) 4-11/16" SQ 2-1/8" DEEP BACK BOX WITH 3/4" SIZE (U.O.N.) CONDUIT T.A.A.C.
5. TYPICAL LOW VOLTAGE OUTLETS SHOULD BE MOUNTED ADJACENT TO POWER OUTLETS AT HEIGHTS SPECIFIED ON ARCHITECTURAL, MEP, AND/OR LOW VOLTAGE DRAWINGS.
6. NO SECTION OF CONDUIT TO EXTEND LONGER THAN 100' OR CONTAIN MORE THAN 180° IN TOTAL BENDS BETWEEN PULL-POINTS/PULL-BOXES.
7. THE INSIDE RADIUS OF A BEND IN CONDUIT TO BE A MIN. OF 6 TIMES THE DIAMETER OF THE CONDUIT.
8. PLEASE INFORM CSP IMMEDIATELY IF T-SERIES DRAWINGS CONFLICT WITH ANY EXISTING PLANS AND/OR CONSTRUCTION.

LOW VOLTAGE RESPONSIBILITY MATRIX

ITEM DESCRIPTION	BY GENERAL CONTRACTOR	BY CABLE CONTRACTOR	BY SECURITY CONTRACTOR	BY CSP	COMMENTS
LOW VOLTAGE SPOC				X	
LOW VOLTAGE DESIGN				X	
LOW VOLTAGE PROCUREMENT				X	
LOW VOLTAGE EMT/CONDUIT/BACKBOXES	X				
LOW VOLTAGE PERMITS		X			
SLEEVES THROUGH RATED WALLS	X				
IDF/MDF PENETRATIONS		X			
OVERHEAD BASKET TRAY					NA
VOICE/DATA/CATV CABLING		X			
ACCESS CONTROL CABLING		X			
INTRUSION CABLING		X			
CAMERA CABLING		X			
PAGING/SOUNDMASKING CABLING					NA
AV CABLING		X			
CABLING EQUIPMENT INSTALL		X			
MDF/IDF GROUND BAR	X				
MDF/IDF GROUNDING		X			
ELECTRIFIED LOCKSETS/STRIKES	X				
ELECTRIFIED MAGLOCKS					NA
SECURITY EQUIPMENT INSTALL			X		
SECURITY EQUIPMENT PROGRAMMING			X		
AV DISPLAY RECESSED BACKBOXES					NA
AV FURNITURE TABLE BOXES	X				
AV EQUIPMENT INSTALL		X			
AV EQUIPMENT PROGRAMMING				X	

DETAILED SYMBOL LEGEND

*NOTE - NOT ALL SYMBOLS MAY BE USED

STRUCTURED CABLING

SYMBOL	DESCRIPTION
(A) ▶	SINGLE (1) VOICE OUTLET LOCATION SUBSCRIPT (A) IDENTIFIES "ANALOG" OUTLET
(F) ▷	SINGLE (1) DATA CABLE OUTLET LOCATION SUBSCRIPT (F) IDENTIFIES "FURNITURE" OUTLET
(F) ▶	DUAL (2) DATA CABLE OUTLET LOCATION SUBSCRIPT (F) IDENTIFIES "FURNITURE" OUTLET
(X) ▶	MULTIPLE CABLE OUTLET LOCATION SUBSCRIPT (X) IDENTIFIES # OF DATA CABLES
(X) TB	TABLE BOX DATA OUTLET DEVICE LOCATION SUBSCRIPT (X) IDENTIFIES # OF DATA CABLES TO TERMINATE IN TABLE-TOP BOX
(X) FB	FLOOR-BOX DATA OUTLET FLOOR DEVICE LOCATION SUBSCRIPT IDENTIFIES # OF DATA CABLES TO TERMINATE IN RECESSED FLOOR BOX
PT	POKE-THROUGH/PASS-THROUGH FLOOR DEVICE LOCATION
FF	FURNITURE FEED LOCATION
△	SINGLE (1) DATA CABLE CEILING OUTLET LOCATION
◔	DUAL (2) DATA CABLE CEILING OUTLET LOCATION SUBSCRIPT (X) IDENTIFIES # OF DATA CABLES
WAP △	SINGLE (1) DATA CABLE WIRELESS ACCESS POINT
WAP ◔	DUAL (2) DATA CABLE WIRELESS ACCESS POINT
CATV	CABLE TELEVISION OUTLET LOCATION PROVIDE (1) COAX CABLE
X"	FIRE-RATED SLEEVE, MIN. REQUIREMENT NOTED
DAS	DISTRIBUTED ANTENNA SYSTEM LOCATION
⊕	FLOOR CORE LOCATION (BY OTHERS) REQUIRES CONTINUOUS CONDUIT TO NEAREST ACCESSIBLE CEILING, MIN. SIZE NOTED
↶	CONDUIT LOCATION (BY OTHERS) STUBBED TO ABOVE ACCESSIBLE CEILING, MIN. SIZE NOTED
⊕⟶	TRENCH/CONDUIT LOCATION (BY OTHERS) FROM FLOOR BOX (BY OTHERS) STUBBED TO NEAREST ACCESSIBLE CEILING, MIN. SIZE NOTED
⟷	CONDUIT LOCATION (BY OTHERS) ABOVE ACCESSIBLE CEILING AS SHOWN, MIN. SIZE NOTED
⊖ ⊕	POWER LOCATIONS SHOWN FOR REFERENCE ONLY

ELECTRONIC SECURITY

SYMBOL	DESCRIPTION
CR	ACCESS CONTROL DOOR. ALL NECESSARY CARD READERS, DOOR CONTACTS, PIR MOTION DETECTORS, AND REQUEST-TO-EXIT BUTTONS WILL BE INSTALLED BY SECURITY CONTRACTOR
DC	INTRUSION DOOR CONTACT DEVICE LOCATION
(M) IC	INTERCOM DEVICE OUTLET LOCATION SUBSCRIPT (M) IDENTIFIES "MASTER" STATION
PB	PANIC BUTTON LOCATION
GB	GLASS BREAK SENSOR LOCATION
(LR) MD	MOTION DETECTION DEVICE LOCATION SUBSCRIPT (LR) IDENTIFIES LONG-RANGE MOTION
MAG	MAGNETIC LOCK LOCATION
DB	DOOR RELEASE BUTTON LOCATION
SSCP	SECURITY SYSTEM CONTROL KEYPAD LOCATION
ACP	ACCESS CONTROL/INTRUSION ALARM PANEL WALL SPACE LOCATION
(180°) (360°)	EXTERIOR MOUNTED CCTV CAMERA LOCATION SUBSCRIPT IDENTIFIES VIEW ANGLE, 2-GANG BOX AND 3/4" CONDUIT T.A.A.C. BY OTHERS
(180°) (360°)	INTERIOR MOUNTED CCTV CAMERA LOCATION SUBSCRIPT IDENTIFIES VIEW ANGLE, ALL CAMERAS NOT LOCATED IN ACCESSIBLE CEILING REQUIRE 2-GANG BOX AND 3/4" CONDUIT T.A.A.C. BY OTHERS

AUDIO VISUAL (AV)

SYMBOL	DESCRIPTION
AVC	AUDIO VISUAL CABINET LOCATION - (1) DEDICATED DUPLEX POWER + VENTILATION
HDMI	HDMI INPUT CONNECTION LOCATION
(XX")	FLAT SCREEN DISPLAY LOCATION - SUBSCRIPT (XX") IDENTIFIES DISPLAY SIZE
PJ	PROJECTION DEVICE OUTLET LOCATION - DEDICATED 110v POWER + (1) DATA CABLE
(XX") SCRN	PROJECTION SCREEN - SUBSCRIPT (XX") IDENTIFIES SIZE
RS	ROOM SCHEDULER DEVICE LOCATION - (1) DATA CABLE
SOUND	ALL-IN-ONE VIDEO CONFERENCE SOUNDBAR
AV1	AV WALL BOX/PLATE (2-GANG) + DATA CABLE AT 46" AFF
AV2	AV WALL BOX/PLATE (1-GANG) "PASS THROUGH" AT 48" AFF
VC	VOLUME CONTROL LOCATION
TS	AV TOUCH SCREEN / CONTROL LOCATION
Ⓜ	MICROPHONE LOCATION
Ⓢ	CEILING SPEAKER LOCATION

ABBREVIATIONS

A.F.F.	ABOVE FINISHED FLOOR
T.B.D.	TO BE DETERMINED
V.I.F.	VERIFY IN FIELD
U.O.N.	UNLESS OTHERWISE NOTED
T.A.A.C.	TO ABOVE ACCESSIBLE CEILING

NOTE: WHEN ACCESSIBLE CEILING IS NOT ADJACENT TO SPECIFIED MDF/IDF SUFFICIENT PATHWAYS TO BE PROVIDED TO FACILITATE THE COMPLETE CABLE ROUTE

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TECHNOLOGY COVER SHEET / INDEX / LEGEND

Proj #: 24-0002607.000 Reviewed By:

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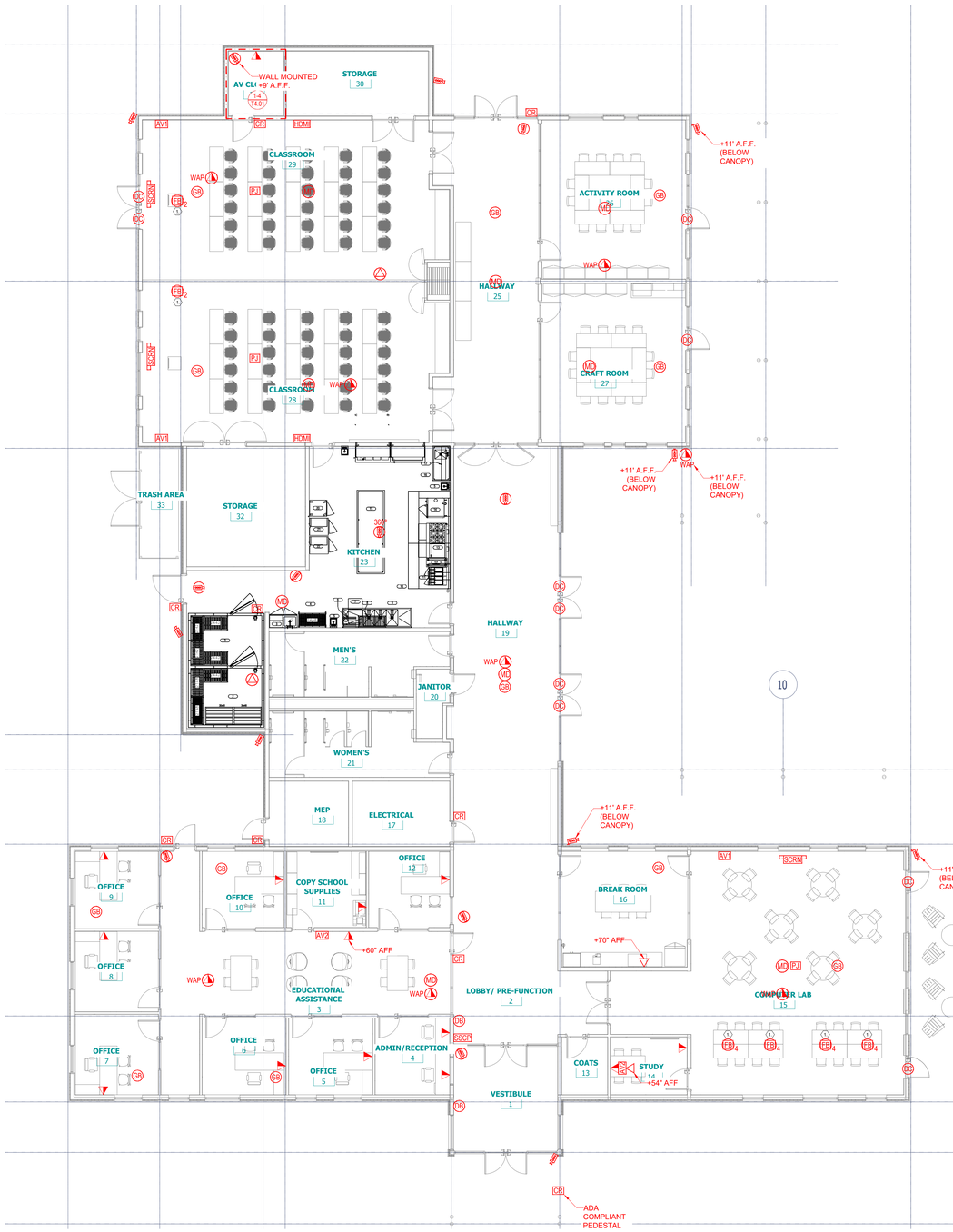
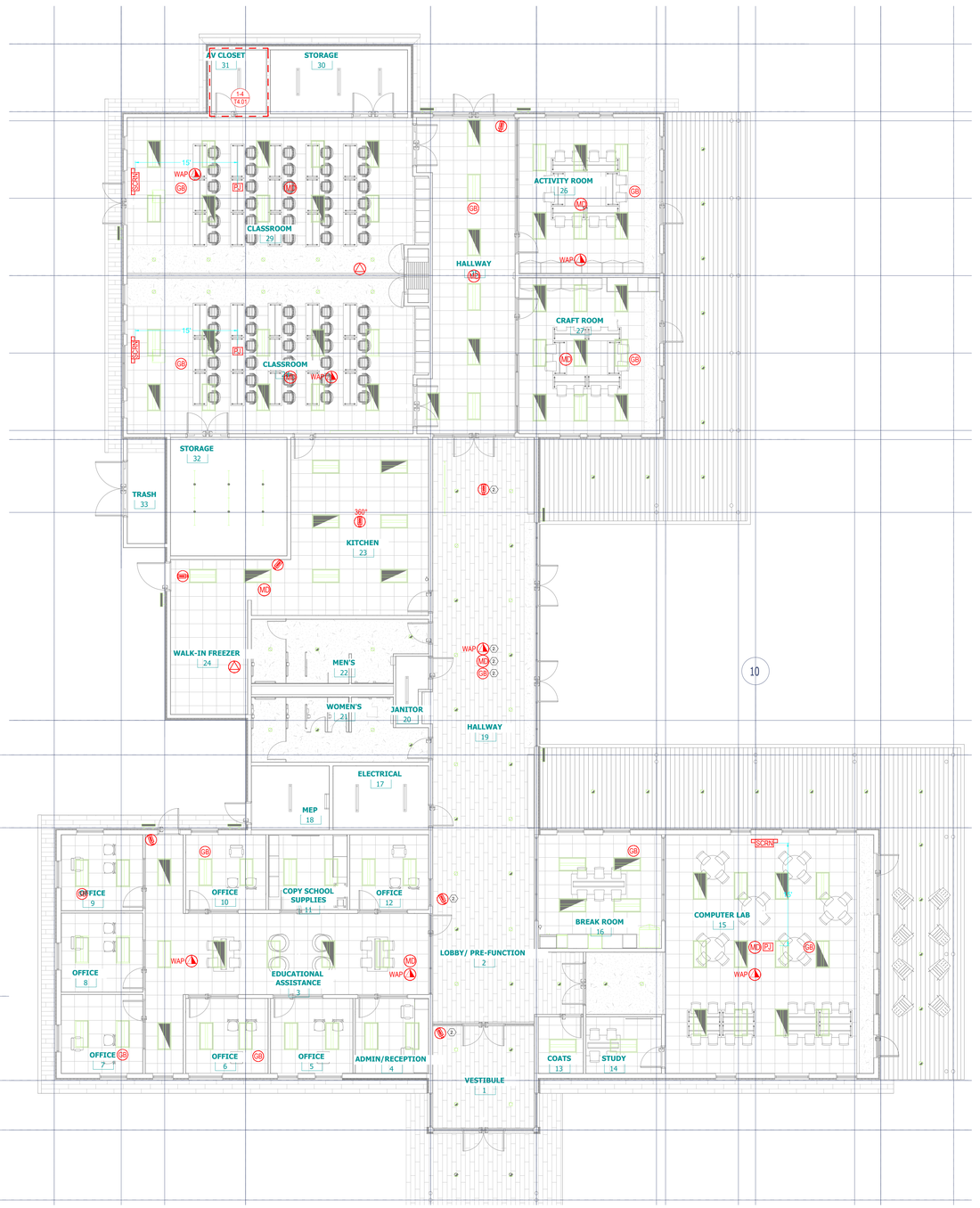
TECHNOLOGY KEYED NOTES :

1. EXACT FLOOR BOX LOCATIONS TO BE COORDINATED WITH FINAL FURNITURE LAYOUT; CONTACT KATIE LANGUB, KLANGUB@NELSONWW.COM
2. EXACT CAMERA / LV DEVICE LOCATIONS IN PANELED CEILING AND EXTERIOR SOFFIT (HARD CEILING) TO BE COORDINATED WITH FINAL CEILING LAYOUT AND CENTERED ON 6" WIDE PANEL / PLANK



01 OVERALL TECHNOLOGY PLAN

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



02 CEILING TECHNOLOGY PLAN

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

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OVERALL CONSTRUCTION PLAN - TECHNOLOGY

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01 ELECTRICAL TECHNOLOGY PLAN

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

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OVERALL CONSTRUCTION PLAN - ELECTRICAL TECHNOLOGY

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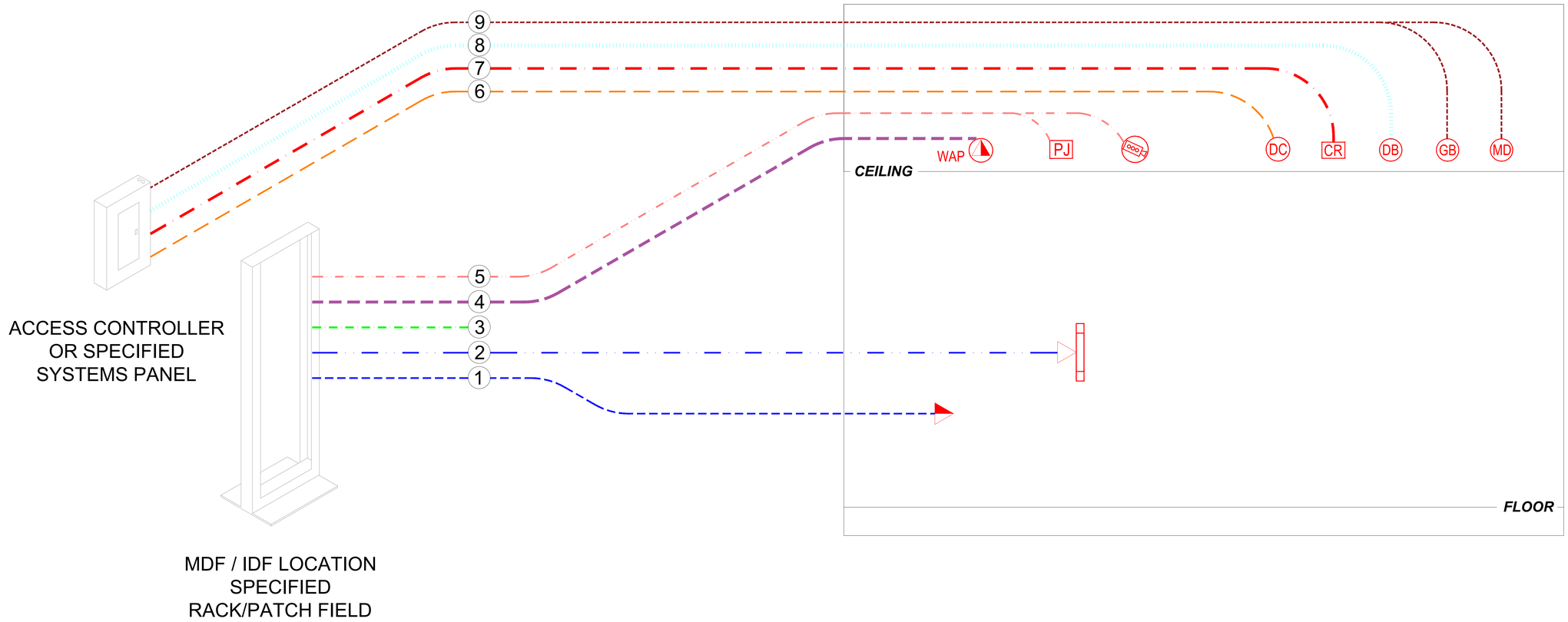
SHEET NOTES

1. CATEGORY CABLE(S) FROM IDF/MDF TO OUTLET SYMBOL LOCATION AS SPECIFIED. INSTALL PATCH CABLES IN SERVER ROOM AS REQUIRED.
2. CATEGORY CABLE FROM IDF/MDF TO DISPLAY OUTLET SYMBOL LOCATION AND DISPLAY ℄ HEIGHT AS SPECIFIED.
3. COAXIAL CABLE FROM IDF/MDF TO OUTLET SYMBOL LOCATION AS SPECIFIED. COAXIAL CABLES TO BE TERMINATED ON F-CONNECTORS.
4. CATEGORY CABLES FROM IDF/MDF TO WAP SYMBOL LOCATION AS SPECIFIED. CABLING CONTRACTOR TO INSTALL WAPS. CABLES TO BE TERMINATED INTO AN MPTL PLUG WITH 15FT OF COILED CABLE SLACK.
5. CATEGORY CABLE(S) FROM IDF/MDF TO THE DEVICE SYMBOL LOCATION AS SPECIFIED. CABLES TO BE TERMINATED INTO AN MPTL PLUG WITH 15FT OF COILED CABLE SLACK.
6. 22/2C COPPER CABLE FROM ACCESS CONTROLLER TO DOOR CONTACT SYMBOL AS SPECIFIED WITH 30FT SERVICE LOOP COILED ABOVE DOOR.
7. ACCESS CONTROL "BANANA PEEL" CABLE FROM ACCESS CONTROLLER TO ACCESS CONTROL DOOR SYMBOL AS SPECIFIED WITH 30FT SERVICE LOOP COILED ABOVE DOOR.
8. 18/4C COPPER CABLE FROM ACCESS CONTROLLER TO PUSH/DURESS BUTTON SYMBOL AS SPECIFIED WITH 30FT SERVICE LOOP COILED ABOVE DOOR.
9. 18/6C COPPER CABLE FROM ACCESS CONTROLLER TO GLASS BREAK SYMBOL AS SPECIFIED WITH 30FT SERVICE LOOP COILED ABOVE DOOR.

NOTE: NOT ALL CABLE MAY BE USED



01 HORIZONTAL CABLING ELEVATION PLAN

SCALE: N.T.S.

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HORIZONTAL CABLING ELEVATION PLAN

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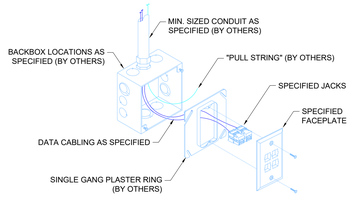
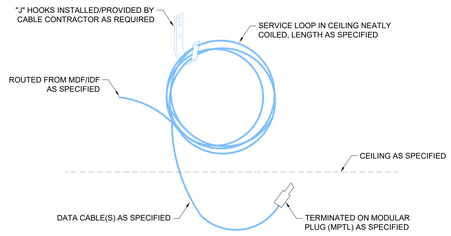
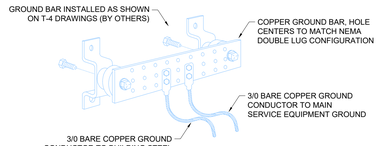
NOTE: NOT ALL DETAILS APPLY TO SCOPE



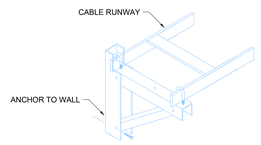
01 TYPICAL DATA OUTLET
SCALE: N.T.S.



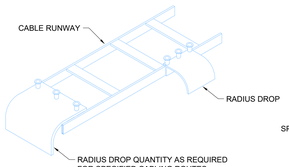
02 MODULAR PLUG (MPTL)
SCALE: N.T.S.



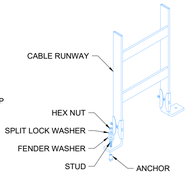
03 TELECOM GROUND BAR
SCALE: N.T.S.



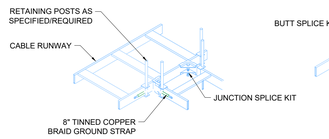
CABLE TRAY TO WALL SUPPORT



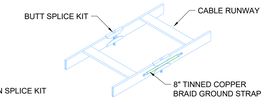
CABLE TRAY RADIUS DROP



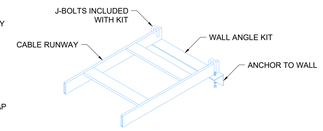
CABLE TRAY TO FLOOR



CABLE TRAY "T" CONNECTION

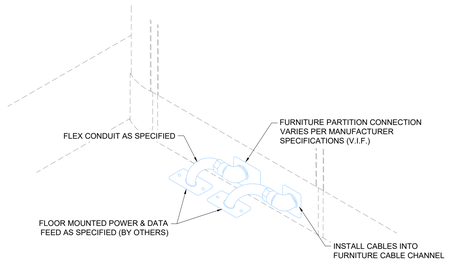


CABLE TRAY SPLICE

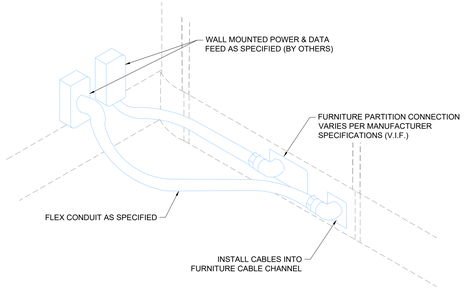


CABLE TRAY TO FLOOR

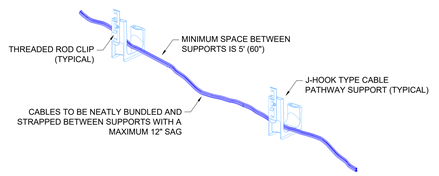
04 OVERHEAD LADDER RACK (CABLE TRAY)
SCALE: N.T.S.



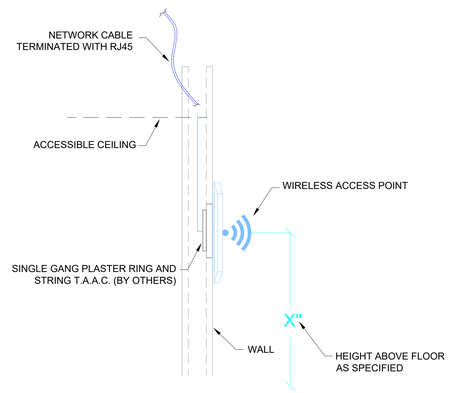
05 FURNITURE FEED (FLOOR)
SCALE: N.T.S.



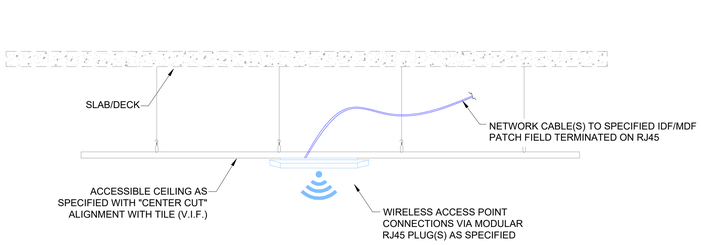
06 FURNITURE FEED (WALL)
SCALE: N.T.S.



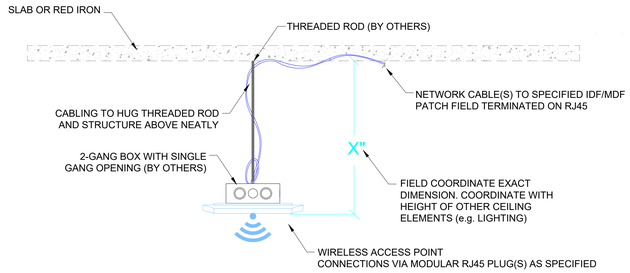
07 J-HOOK CABLE PATHWAY
SCALE: N.T.S.



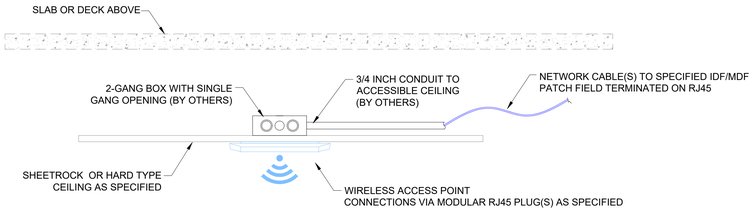
09 WALL MOUNT WAP / SPEAKER / DEVICE
SCALE: N.T.S.



08 CEILING MOUNT WAP / SPEAKER / CEILING DATA w/ ACCESSIBLE TILE
SCALE: N.T.S.



12 EXPOSED CEILING MOUNT WAP / SPEAKER / CEILING DATA
SCALE: N.T.S.



14 HARD CEILING MOUNT WAP / SPEAKER / CEILING DATA
SCALE: N.T.S.

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COUSHATTA TRIBE OF LOUISIANA

COUSHATTA TRIBE - EDUCATION BUILDING

1950 CC BEL RD
ELTON, LA 70532

Issue:	No:	Date:
BID SET		2025.12.05

TECHNOLOGY CABLING DETAIL PLANS

Proj #: 24.0002607.000 Reviewed By:

T3.02

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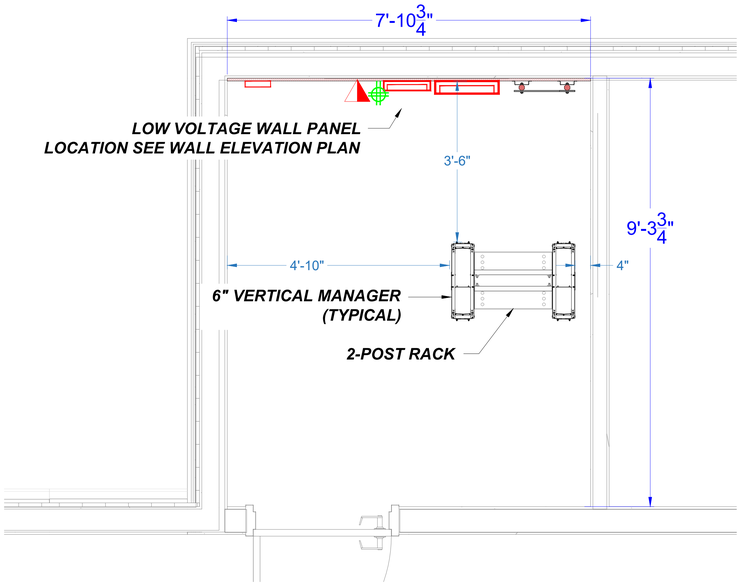
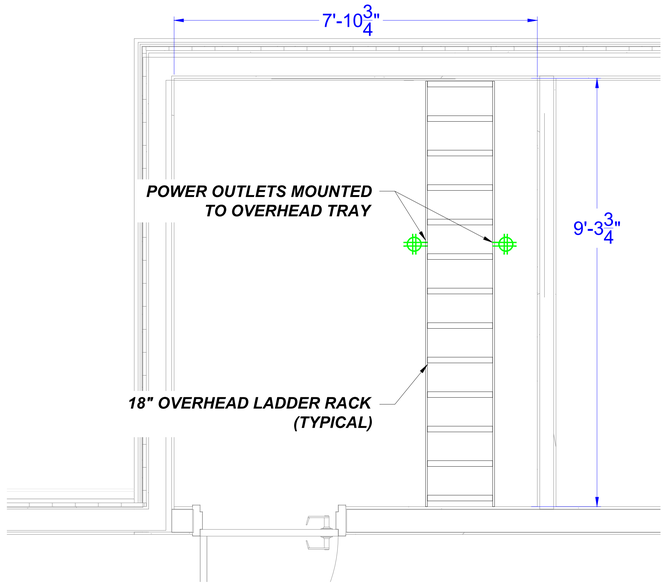


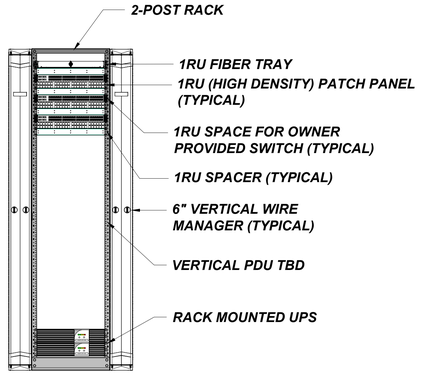
01 MDF ENLARGED EQUIPMENT PLAN

SCALE: 3/4" = 1'-0"



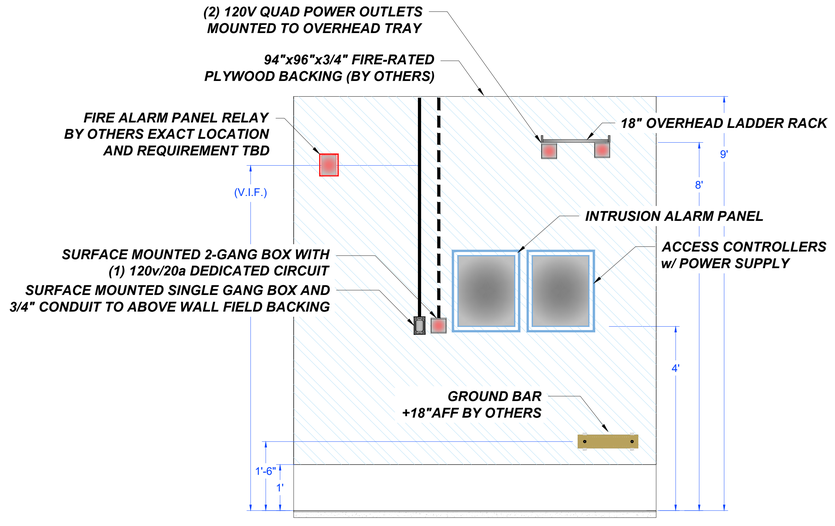
02 MDF OVERHEAD ENLARGED PLAN

SCALE: 3/4" = 1'-0"



03 MDF RACK ELEVATION PLAN

SCALE: NTS



04 MDF WALL ELEVATION PLAN

SCALE: 3/4" = 1'-0"

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MDF ENLARGED PLANS

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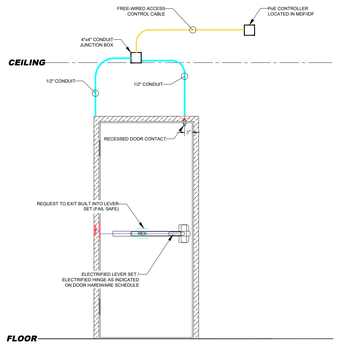
NOTE: NOT ALL DETAILS APPLY TO SCOPE

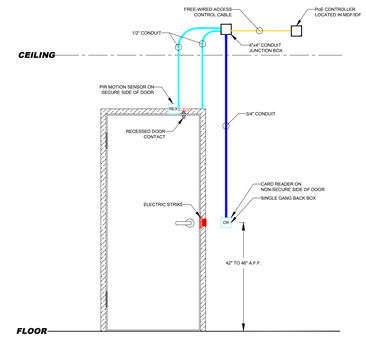
THE LINE SHOWN ABOVE IS EXACTLY 1"WE INCLUDING AT PRINTS. DESIGNAL PAGE SIZE

THE SQUARE ABOVE MUST BE SOLID WITH BLACK AND WHITE LETTERS, IF PRINTED CORRECTLY



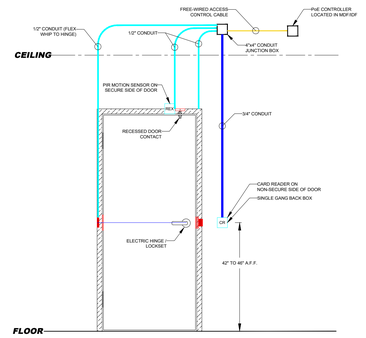
01 SINGLE DOOR w/ CONTACT & EXIT HARDWARE

SCALE: N.T.S.



02 SINGLE DOOR w/ ELECTRIC STRIKE

SCALE: N.T.S.



03 SINGLE DOOR w/ ELECTRIC HINGE

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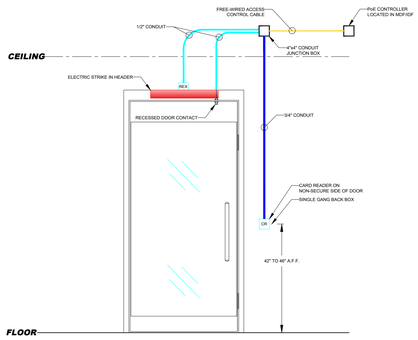
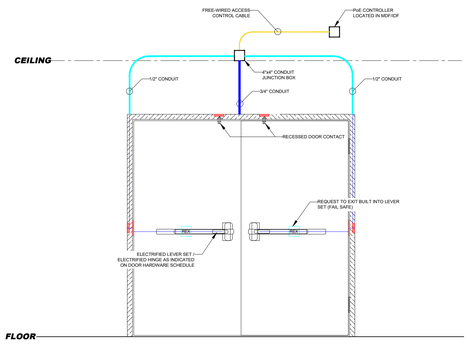


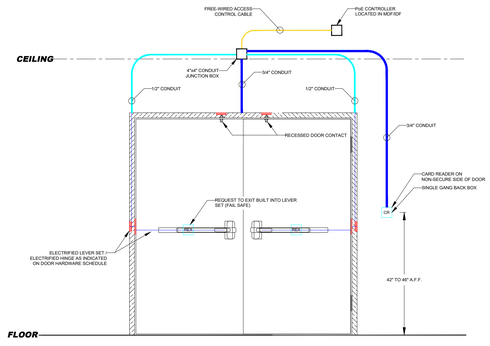
04 GLASS DOOR w/ ELECTRIC STRIKE

SCALE: N.T.S.



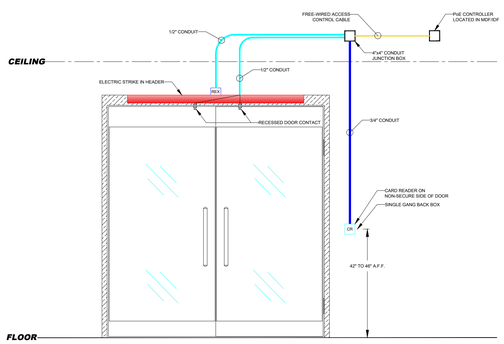
05 DOUBLE DOOR w/ DOOR CONTACTS

SCALE: N.T.S.



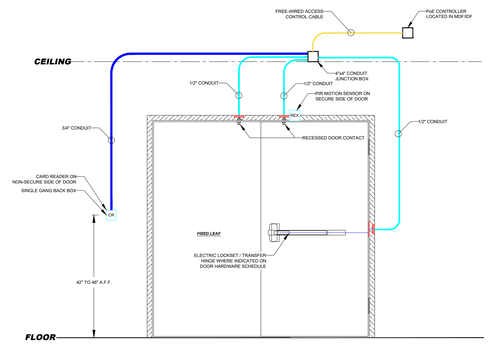
06 DOUBLE DOOR w/ ELECTRIC STRIKES

SCALE: N.T.S.



07 GLASS DOUBLE DOOR w/ ELECTRIC STRIKE

SCALE: N.T.S.



08 DOUBLE DOOR w/ ELEC. LOCK + FIXED LEAF

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COUSHATTA TRIBE OF LOUISIANA

COUSHATTA TRIBE - EDUCATION BUILDING

1950 CC BEL RD
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SECURITY DOOR ELEVATION PLANS

Proj #: 24.0002607.000 Reviewed By:

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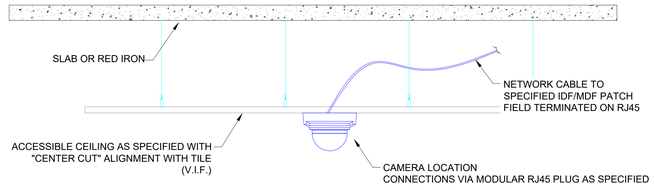
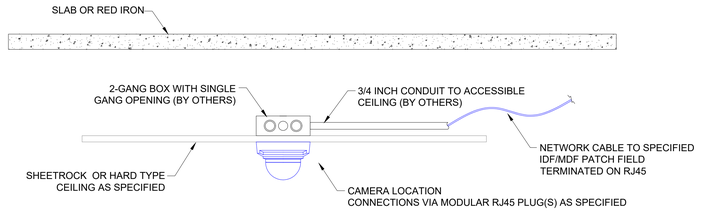
12/4/2025 1:21:42 PM Autodesk Docs://Coushatta Education Building/ARCH-Coushatta-.rvt

NOTE: NOT ALL DETAILS APPLY TO SCOPE



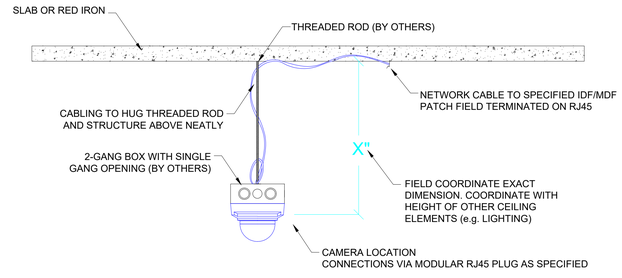
01 CEILING MOUNT CAMERA w/ ACCESSIBLE TILE

SCALE: N.T.S.



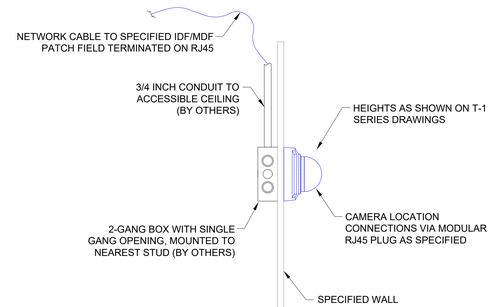
02 CEILING MOUNT CAMERA w/ SHEET ROCK

SCALE: N.T.S.



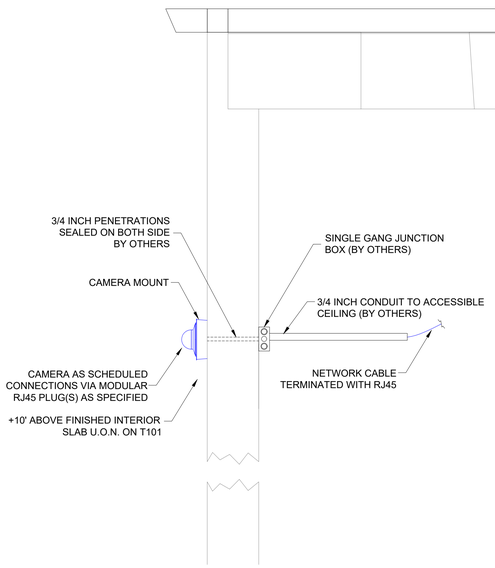
03 EXPOSED CEILING MOUNT CAMERA

SCALE: N.T.S.



04 WALL MOUNT CAMERA

SCALE: N.T.S.



05 EXTERIOR MOUNT CAMERA

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SECURITY CAMERA DETAIL PLANS

Proj #: 24.0002607.000 Reviewed By:

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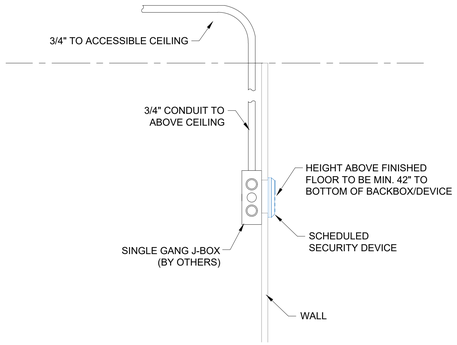
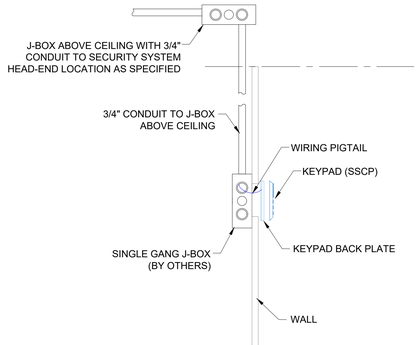


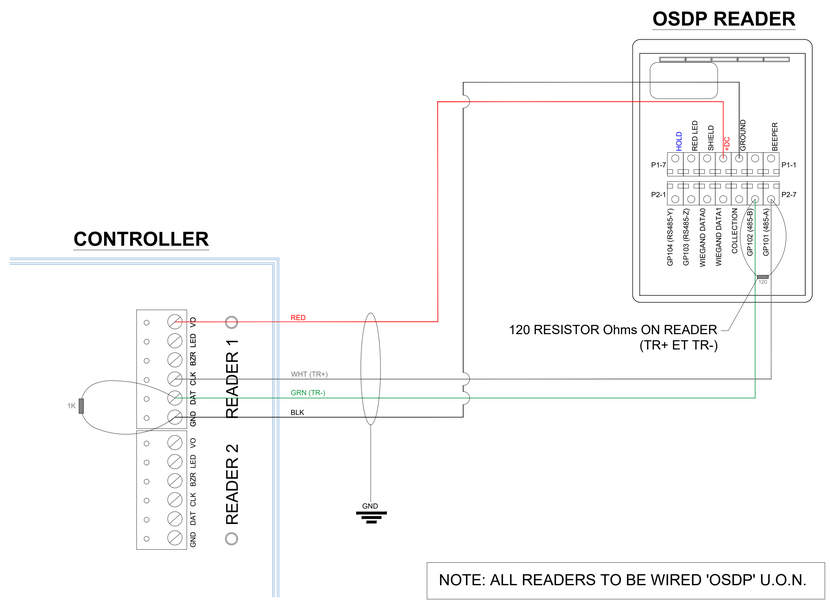
01 WALL MOUNT SECURITY DEVICE

SCALE: N.T.S.



02 WALL MOUNT SECURITY ALARM

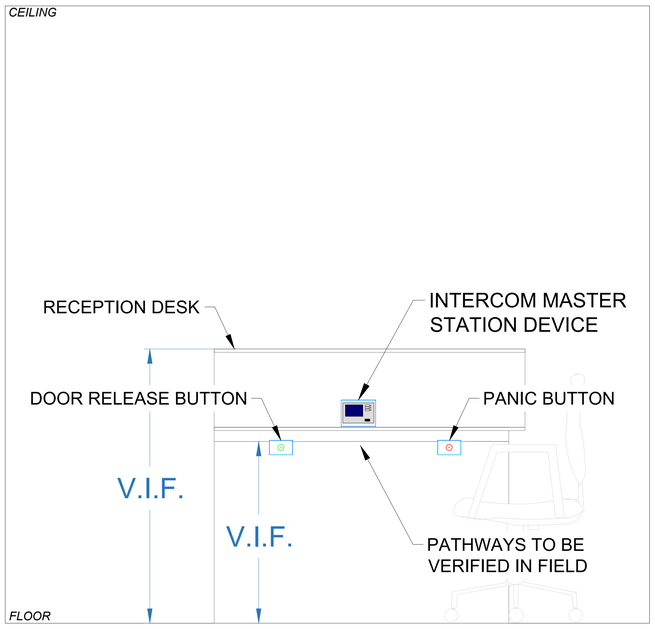
SCALE: N.T.S.



NOTE: ALL READERS TO BE WIRED 'OSDP' U.O.N.

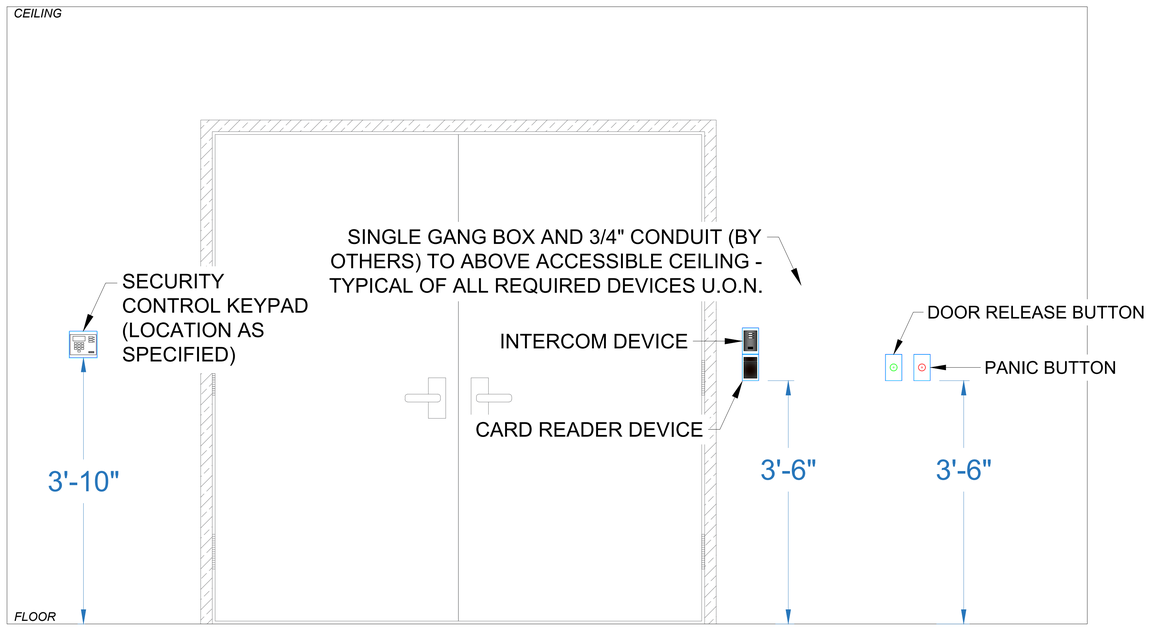
03 READER WIRING (OSDP) DIAGRAM

SCALE: N.T.S.



04 DESK MOUNTED SECURITY DEVICE

SCALE: N.T.S.



05 TYPICAL WALL MOUNTED SECURITY DEVICE

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SECURITY CABLING DETAIL PLANS

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01 OVERALL AV ENLARGED PLANS

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OVERALL AV ENLARGED PLANS

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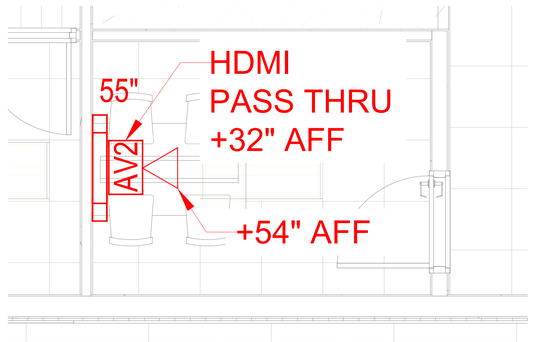
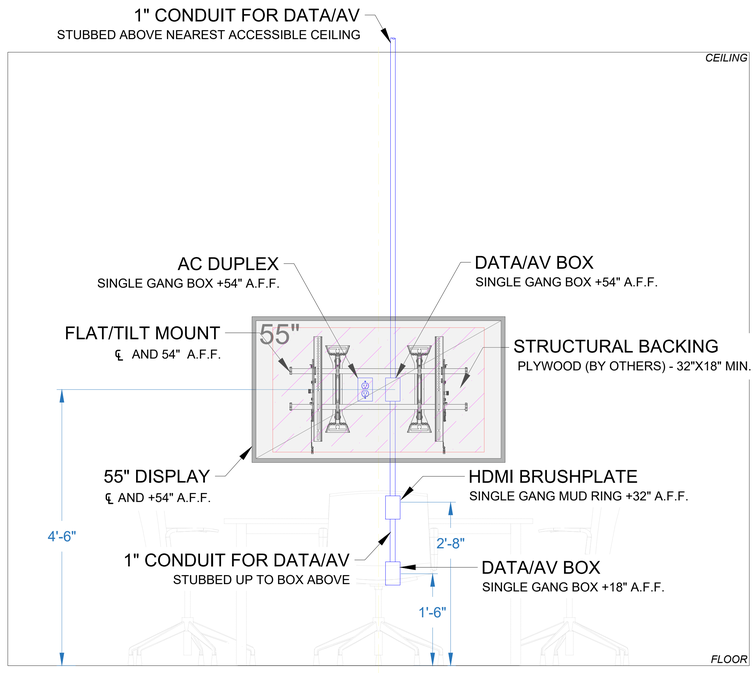


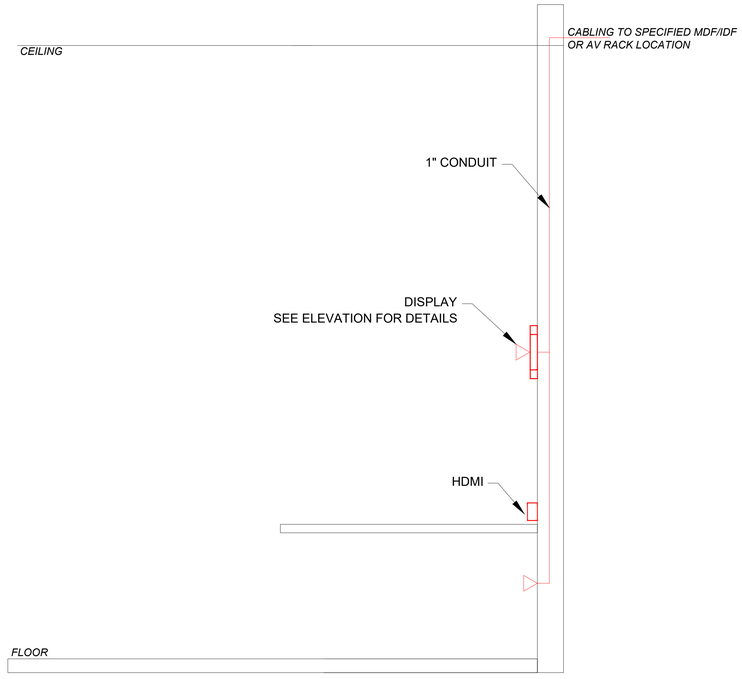
01 STUDY / HUDDLE ROOM ENLARGED PLANS

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



02 STUDY / HUDDLE ROOM ELEVATION PLAN

SCALE: 1" = 1'-0"



03 STUDY / HUDDLE ROOM CABLING ELEVATION

SCALE: NTS

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STUDY / HUDDLE ROOM
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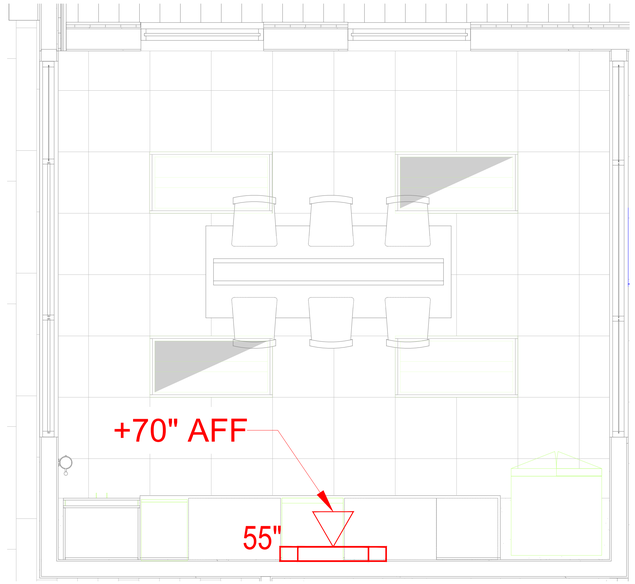
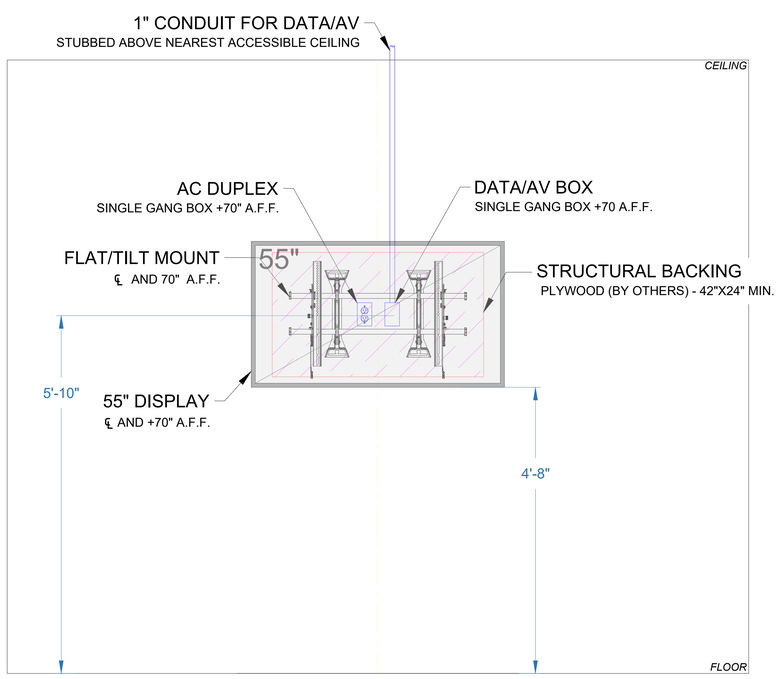


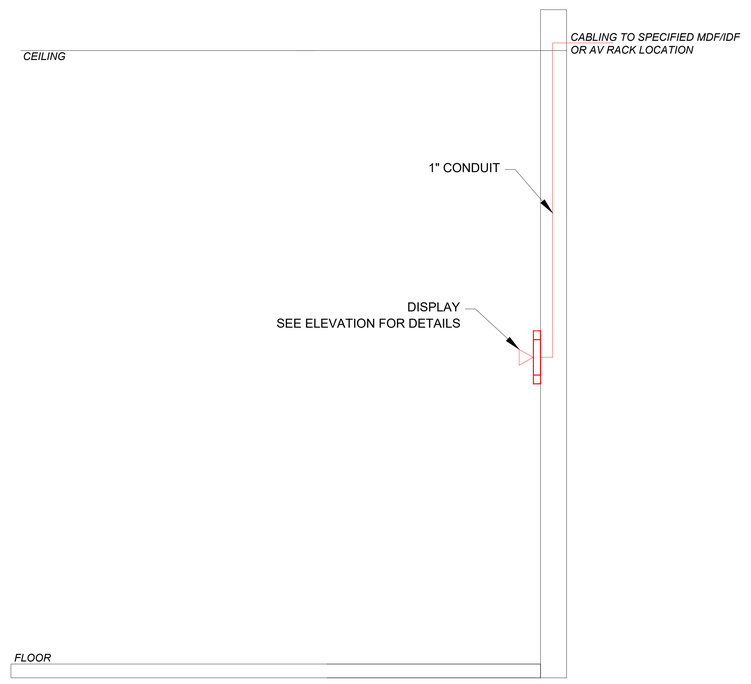
01 BREAKROOM ROOM ENLARGED PLANS

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



02 BREAKROOM ROOM ELEVATION PLAN

SCALE: 1" = 1'-0"



03 BREAKROOM ROOM CABLING ELEVATION

SCALE: NTS

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BREAKROOM AV ELARGEMENTS

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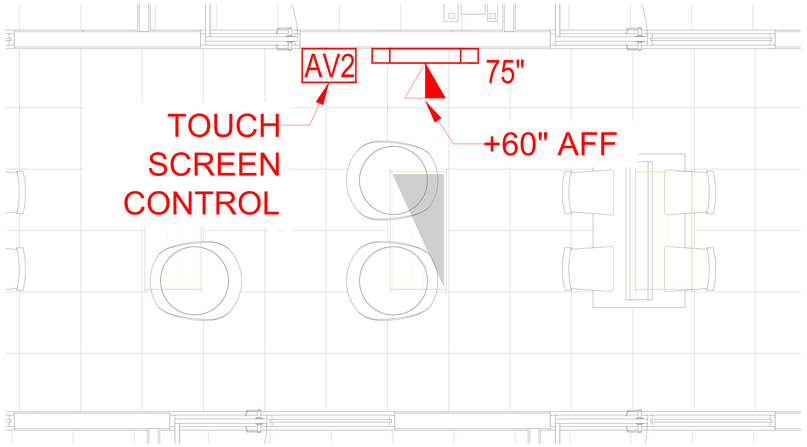
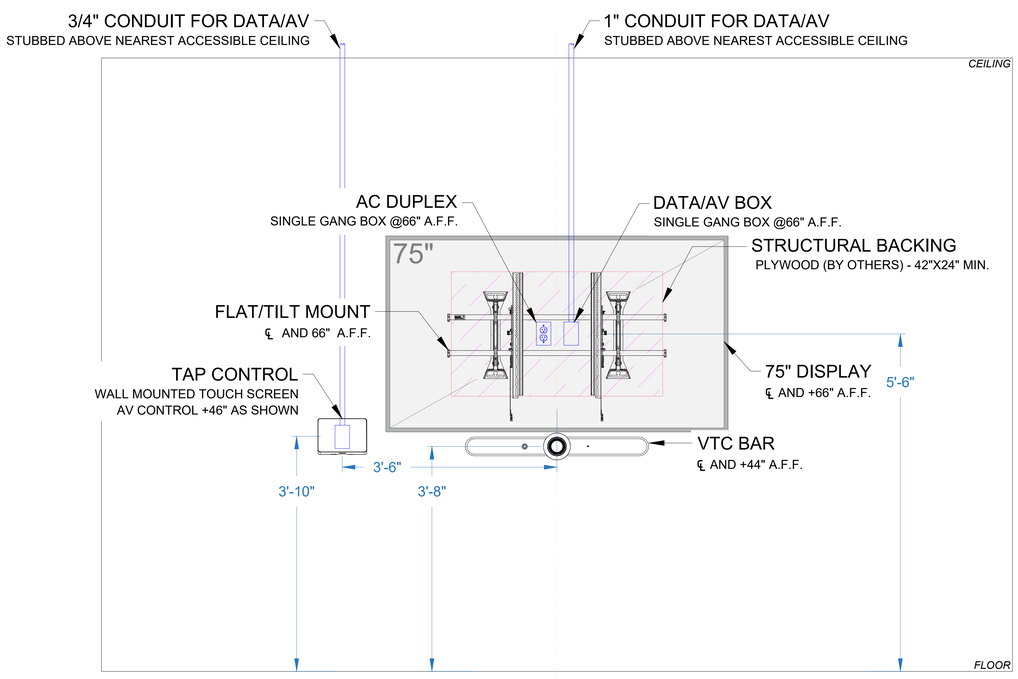


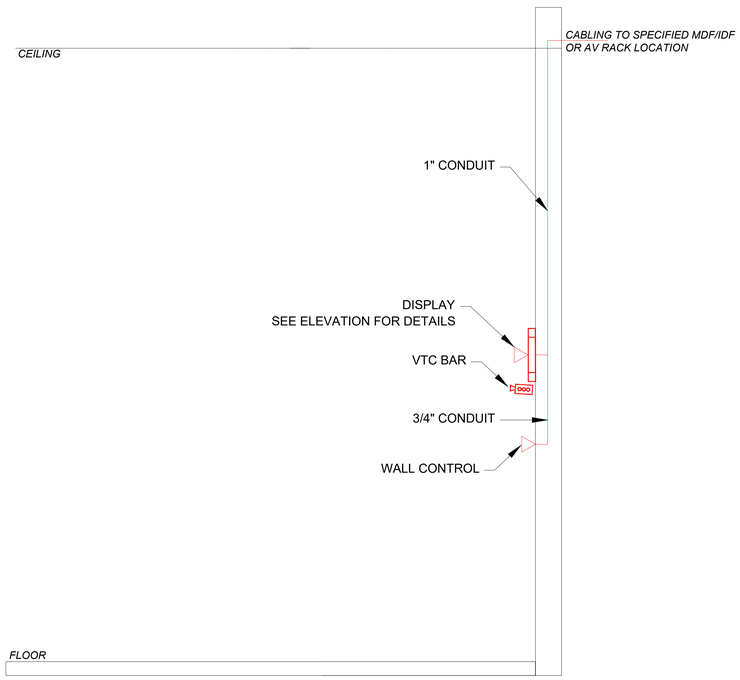
01 EDUCATIONAL ASSISTANCE ENLARGED PLANS

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



02 EDUCATIONAL ASSISTANCE ELEVATION PLAN

SCALE: 1" = 1'-0"



03 EDUCATIONAL ASSISTANCE CABLING ELEVATION

SCALE: NTS

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EDUCATIONAL ASSISTANCE
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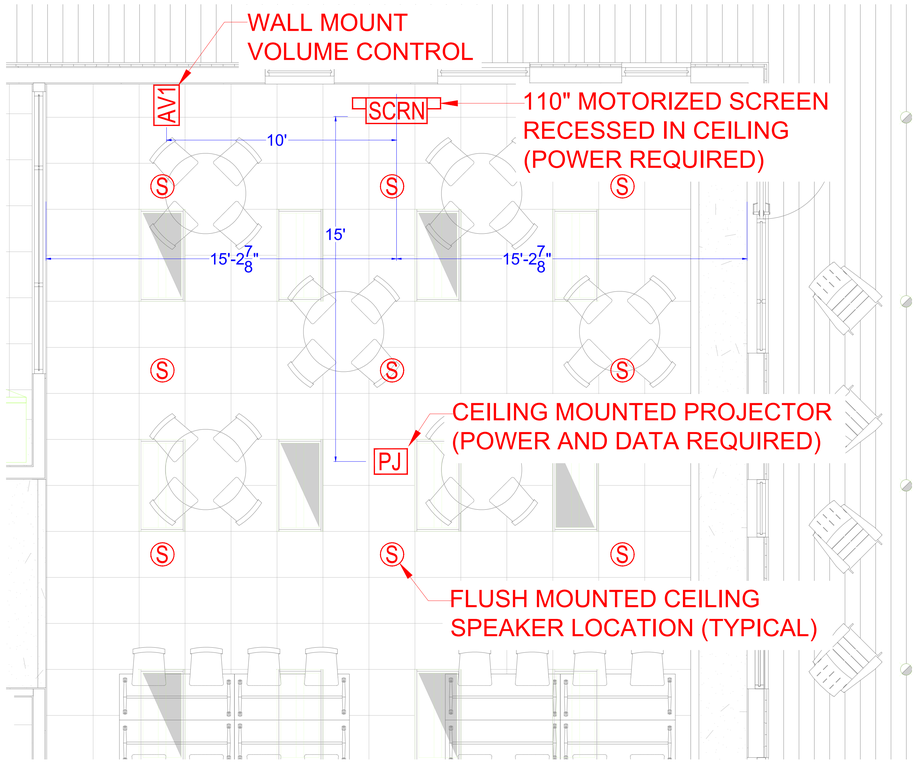
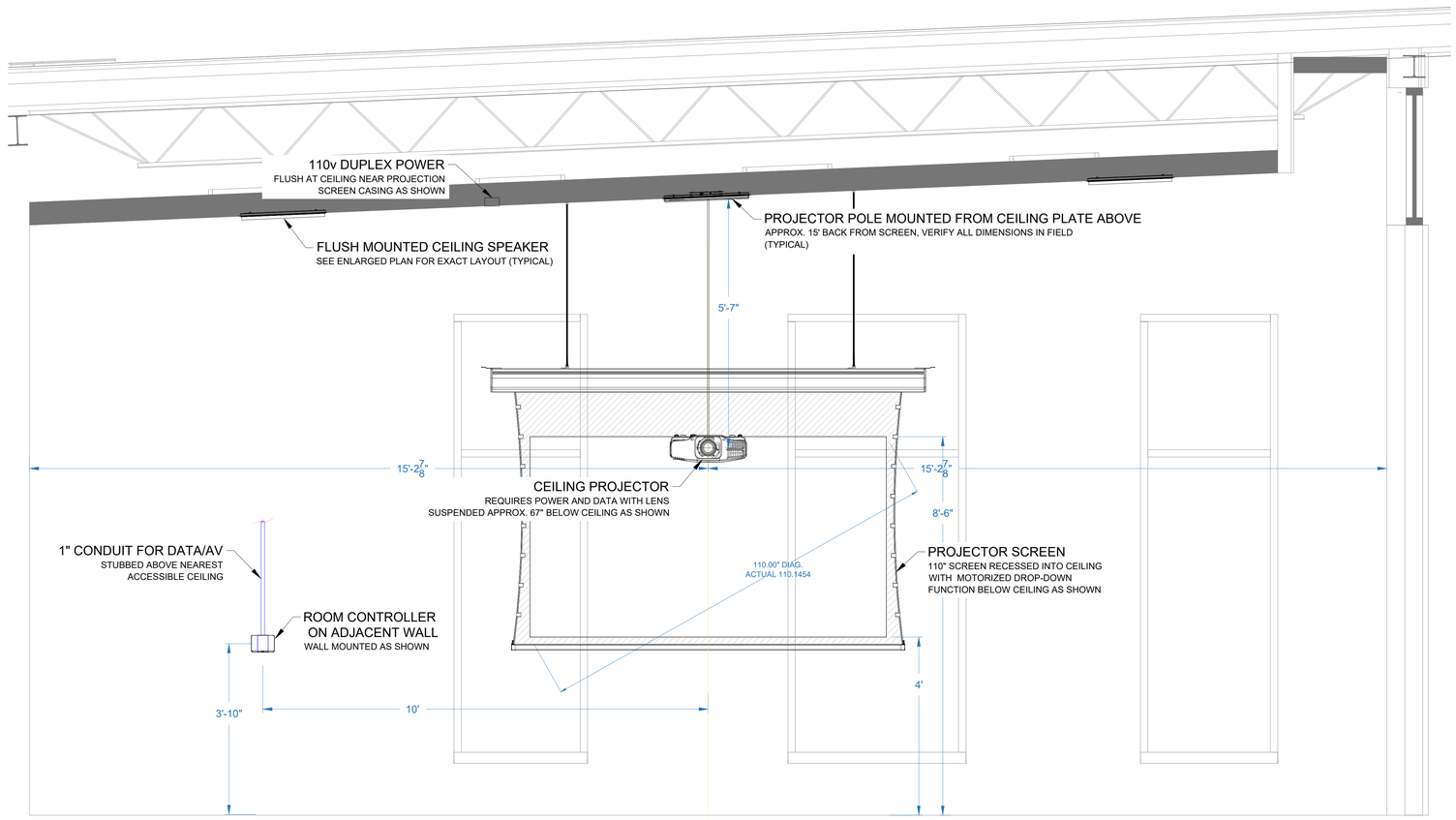


01 COMPUTER CLASSROOM ENLARGED PLANS

SCALE: 3/8" = 1'-0"



02 COMPUTER CLASSROOM ELEVATION PLAN

SCALE: 3/4" = 1'-0"

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COMPUTER CLASSROOM
AV ELARGEMENTS

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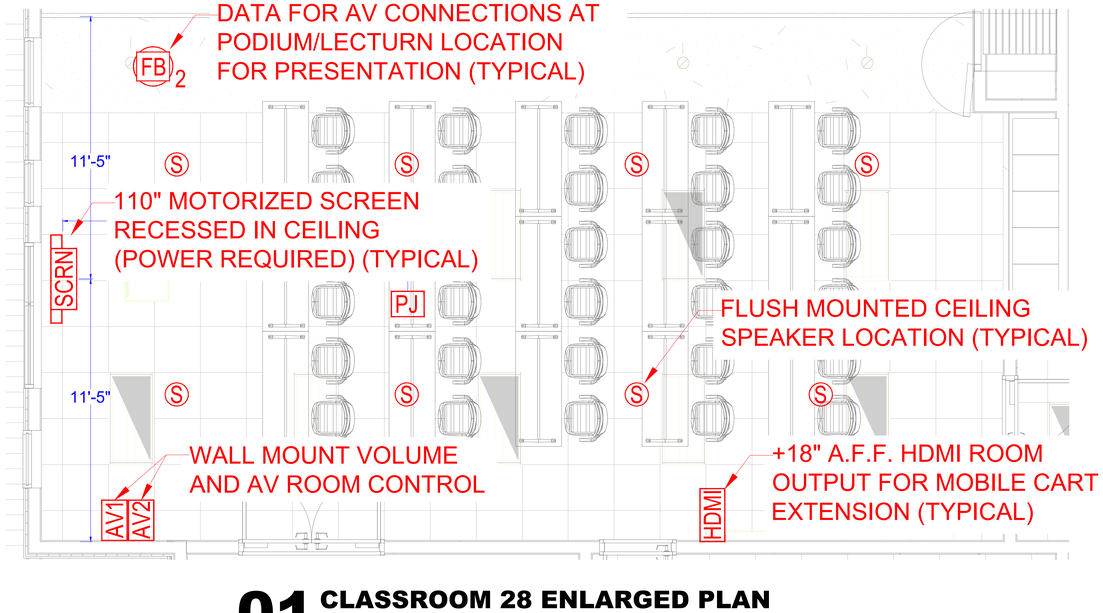
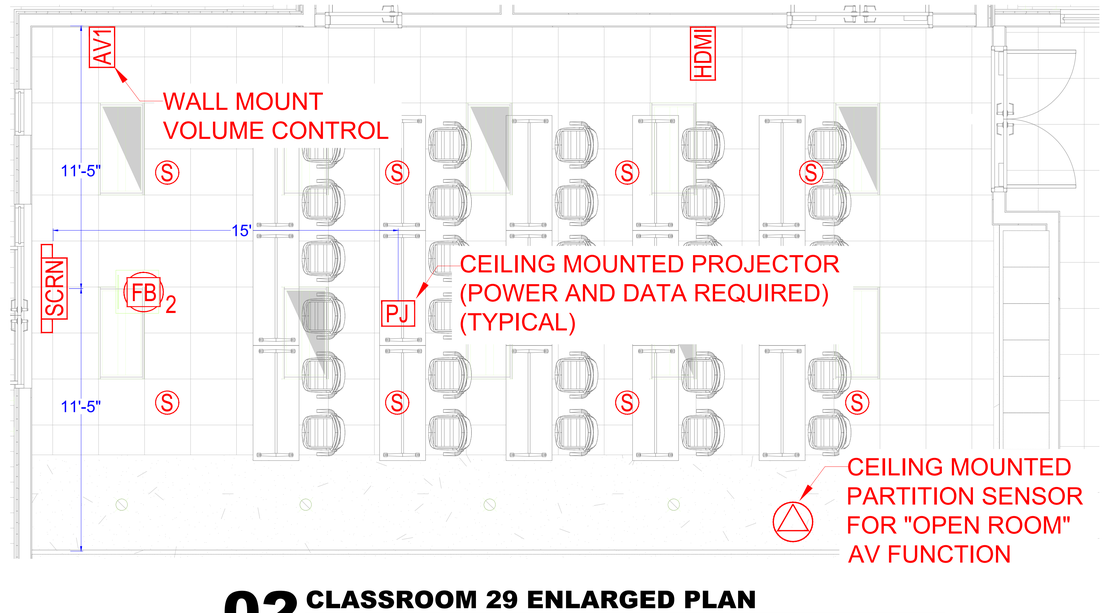


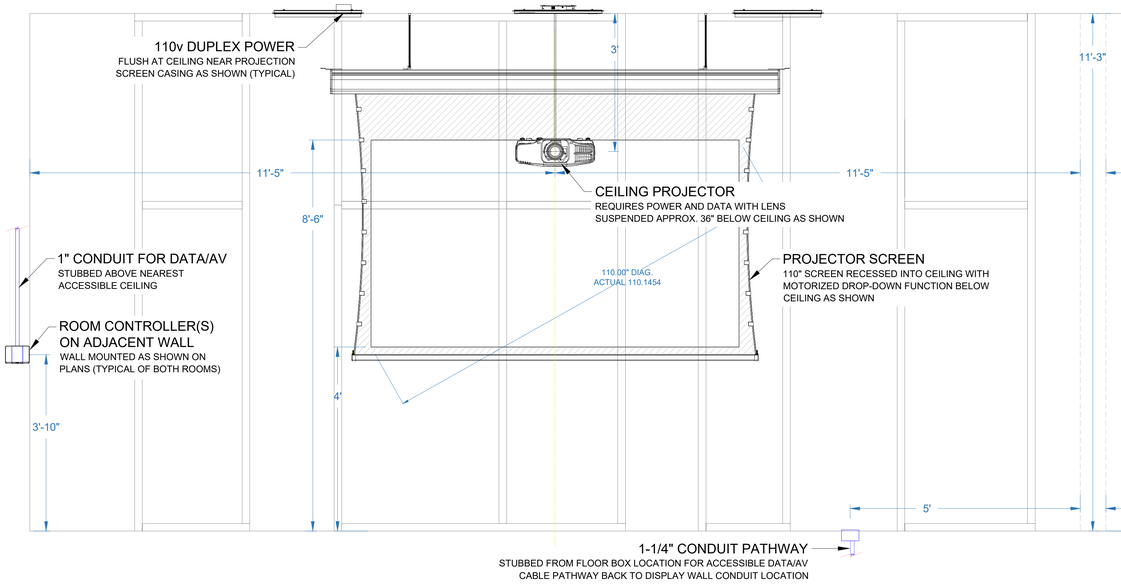
01 CLASSROOM 28 ENLARGED PLAN

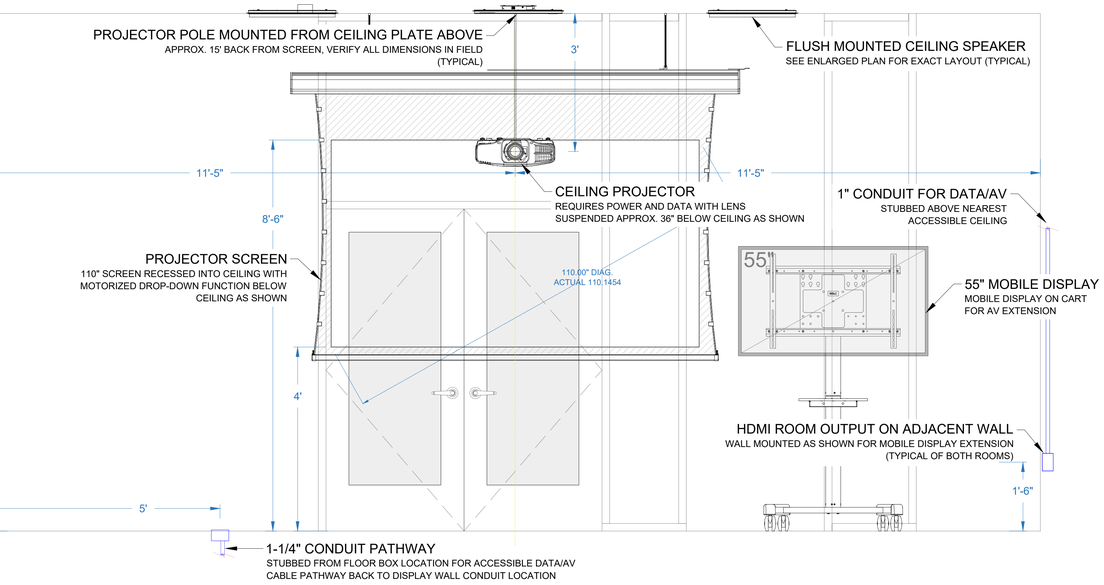
SCALE: 3/8" = 1'-0"



02 CLASSROOM 29 ENLARGED PLAN

SCALE: 3/8" = 1'-0"





03 CLASSROOM 28 AND CLASSROOM 29 ELEVATION PLAN

SCALE: 3/4" = 1'-0"

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LARGE CLASSROOMS
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THE SQUARES ABOVE ARE EQUAL WITH BLACK AND WHITE LEVELS, IF PRINTED CORRECTLY

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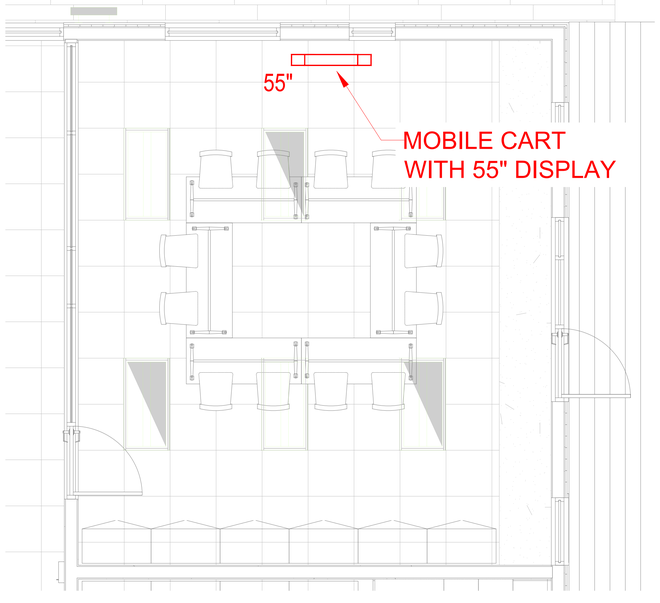
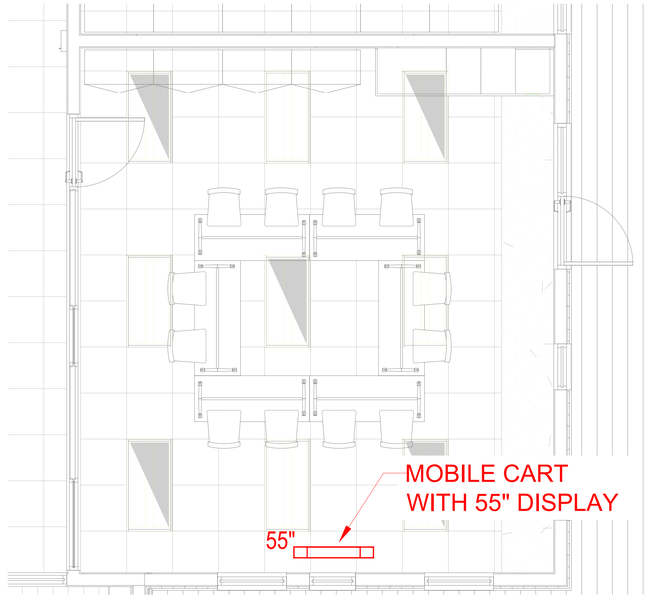


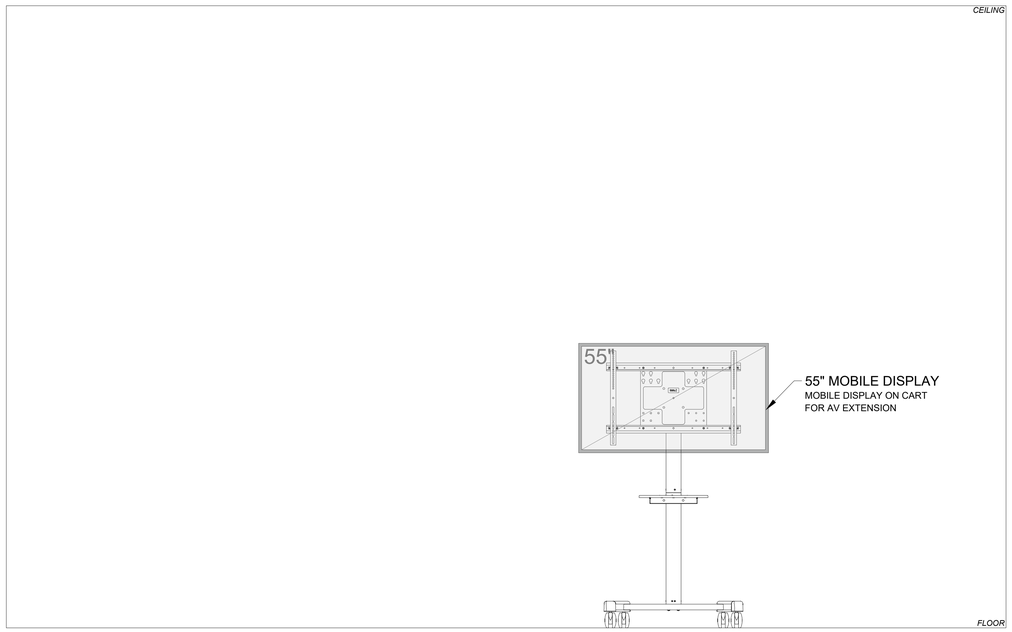
01 ACTIVITY ROOM 26 ENLARGED PLAN

SCALE: 3/8" = 1'-0"



02 CRAFT ROOM 27 ENLARGED PLAN

SCALE: 3/8" = 1'-0"



03 TYPICAL ACTIVITY / CRAFT ROOM ELEVATION PLAN

SCALE: 3/4" = 1'-0"

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