SILSBEE HIGH SCHOOL WELDING SHOP FINISH-OUT

1575 HWY 96 N SILSBEE, TX 77656

OWNER

Silsbee Independent School District
415 TX-327
Silsbee, TX 77656

Contact: Dr. Gregg Weiss
Phone: (409) 385-5286
Email: gregg.weiss@silsbeeisd.com

ARCHITECT

ARCHITECTURAL ALLIANCE, INCORPORATED
350 Pine Street Suite 720
Beaumont, Texas 77701

Contact: Rob Clark
Phone: (409) 866-7196
Email: rclark@architect-aia.com

CIVIL

FITTZ & SHIPMAN
1405 Cornerstone Court
Beaumont, Texas 77706

Contact: Ben Tristan
Phone: (409) 832-7238
Email: btristan@fittzshipman.com

STRUCTURAL

FITTZ & SHIPMAN
1405 Cornerstone Court
Beaumont, Texas 77706

Contact: Daniel Dotson
Phone: (409) 832-7238
Email: ddotson@fittzshipman.com

MECHANICAL, ELECTRICAL, PLUMBING

M&E CONSULTING
1304 Bertrand Drive, Suite F7
Lafayette, Louisiana 70706

Contact: Hogan Guidry
Phone: (337) 234-7474 x103
Email: hogan@meconsulting.com

ABBREVIATIONS

A.B.	ANCHOR BOLT
A/C	AIR CONDITIONING
ACT	ACOUSTICAL CEILING TILE
A.D.	AREA DRAIN
ADA	AMERICANS WITH DISABILITIES ACT
ADJ	ADJUSTABLE
AFF	ABOVE FINISH FLOOR
ALT	ALTERNATE
ALUM	ALUMINUM
ANOD	ANODIZED
APPROX	APPROXIMATE
ARCH	ARCHITECT(URAL)
ASPH	ASPHALT
BD	BOARD
BIT	BITUMINOUS
BLDG	BUILDING
BLKG	BLOCKING
BM	BEAM
B.O.	BOTTOM OF
BOT	BOTTOM
BRG	BEARING
BTWN	BETWEEN
BUR	BUILT-UP ROOF
CAB	CABINET
CBU	CEMENTITIOUS BACKER UNIT
C/C	CENTER-TO-CENTER
CEM	CEMENT
CER	CERAMIC
C.G.	CORNER GUARD
C.I.P.	CAST-IN-PLACE
C.J.	CONTROL JOINT
CL	CENTERLINE
CLG	CEILING
CLR	CLEAR(ANCE)
CLOS	CLOSET
CMU	CONCRETE MASONRY UNIT
C.O.	CLEAN OUT
COL	COLUMN
CONC	CONCRETE
CONSTR	CONSTRUCTION
CONT	CONTINUOUS
COORD	COORDINATE
CORR	CORRIDOR
CTR	CENTER
C.Y.	CUBIC YARD
DBL	DOUBLE
DEMO	DEMOLITION
DEPT	DEPARTMENT
DET	DETAIL
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DISP	DISPENSER
DL	DEAD LOAD
DN	DOWN
DR	DOOR
DS	DOWNSPOUT
DWR	DRAWER
EA	EACH
EF	EACH FACE / EXHAUST FAN
EJ	EXPANSION JOINT
EIFS	EXTERIOR INSULATED FINISH SYSTEM
ELEC	ELECTRICAL
ELEV	ELEVATION
EMER	EMERGENCY
ENCL	ENCLOSURE
EQ	EQUAL
EQUIP	EQUIPMENT
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPANSION / EXPOSED
EXT	EXTERIOR
FD	FLOOR DRAIN
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISH FLOOR
FFE	FINISH FLOOR ELEVATION
FIN	FINISH
FLR	FLOOR
FLUOR	FLUORESCENT
FM	FACTORY MUTUAL
FO	FACE OF (SPECIFY ITEM)
FOB	FACE OF BRICK
FOC	FACE OF CONCRETE
FOS	FACE OF STUD
FR	FIRE RESISTIVE
FT	FEET / FOOT
FTG	FOOTING
FURR	FURRING / FURRED
GA	GUAGE
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GL	GLASS / GLAZING
GND	GROUND
GR	GRADE
GWB	GYPSUM WALLBOARD
GYP	GYPSUM
HB	HOSE BIB
HC	HOLLOW CORE
HDR	HEADER
HDWR	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HT	HEIGHT
HVAC	HEATING, VENTILATION, AND AIR CONDITIONING
HW	HOT WATER
ID	INSIDE DIAMETER
IN	INCH
INCL	INCLUDE(D)
INSUL	INSULATION
INT	INTERIOR
INV	INVERT
JAN	JANITOR
JST	JOIST
JT	JOINT
KD	KNOCK DOWN
KIT	KITCHEN
KO	KNOCK OUT
LAB	LABORATORY
LAM	LAMINATE(D)
LAV	LAVATORY
LF	LINEAL FOOT
LH	LEFT HAND
LHR	LEFT HAND REVERSE
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LWC	LIGHT WEIGHT CONCRETE
MACH	MACHINE
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MDF	MEDIUM DENSITY FIBERBOARD
MECH	MECHANICAL
MEMB	MEMBRANE
MFR	MANUFACTURER
MEZZ	MEZZANINE
MH	MANHOLE
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MR	MOISTURE RESISTANT
MTL	METAL
MULL	MULLION
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO.	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER (OR OVERFLOW DRAIN)
OFCI	OWNER FURNISHED/ CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED/ OWNER INSTALLED
OH	OPPOSITE HAND (OR OVERHEAD)
OPNG	OPENING
OPP	OPPOSITE
PERP	PERPENDICULAR
PL	PLATE (OR PROPERTY LINE)
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLYWD	PLYWOOD
PNL	PANEL
PNT	PAINT
PR	PAIR
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE TREATED
PTN	PARTITION
PVC	POLYVINYL CHLORIDE
RA	RETURN AIR
RAD	RADIUS
RB	RESILIENT BASE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REBAR	REINFORCING BAR
REC	RECESSED
REF	REFERENCE
REFR	REFRIGERATOR
REINF	REINFORCING / REINFORCED
REQD	REQUIRED
RES	RESILIENT
REV	REVISION
RH	RIGHT HAND
RHR	RIGHT HAND REVERSE
RM	ROOM
RO	ROUGH OPENING
RWL	RAINWATER LEADER
R&S	ROD AND SHELF
SC	SOLID CORE
SCHED	SCHEDULE
SF	SQUARE FEET
SHT	SHEET
SIM	SIMILAR
SPEC	SPECIFICATION
SQ	SQUARE
SS	STAINLESS STEEL
ST	STONE
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
SUSP	SUSPENDED
SYM	SYMMETRICAL
TAS	TEXAS ACCESSIBILITY STANDARDS
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TBD	TO BE DETERMINED
TEL	TELEPHONE
TER	TERRAZZO
THK	THICK(NESS)
TI	TENANT IMPROVEMENT
TO	TOP OF (SPECIFY ITEM)
TOC	TOP OF CURB / CONCRETE
TOP	TOP OF PARAPET
TOS	TOP OF STEEL
TOW	TOP OF WALL
TPTN	TOILET PARTITION
TS	TUBULAR STEEL
TV	TELEVISION
TYP	TYPICAL
UC	UNDERCOUNTER
UL	UNDERWRITERS LABORATORY
UNO	UNLESS NOTED OTHERWISE
VCT	VINYL COMPOSITION TILE
VENT	VENTILATION
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VR	VAPOR RETARDER
VTR	VENT THRU ROOF
VWC	VINYL WALL COVERING
WC	WATER CLOSET
WD	WOOD
WDW	WINDOW
W/	WITH
WH	WATER HEATER
W/O	WITHOUT
WP	WATERPROOF
WR	WATER RESISTANT
WT	WEIGHT
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE MESH
YD	YARD

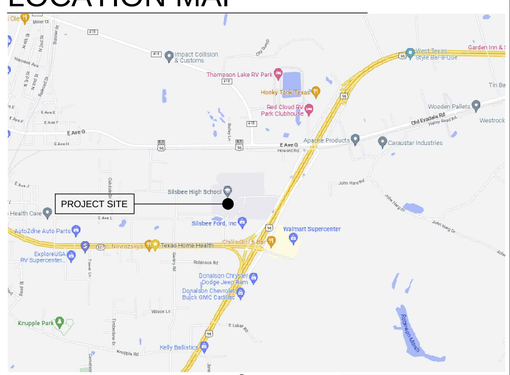
MATERIAL LEGEND

- CONCRETE
- BRICK MASONRY
- CONCRETE MASONRY UNITS
- PLYWOOD
- GYPSUM BOARD
- BLOCKING OR SHIM (CONTINUOUS)
- BLOCKING OR SHIM (INTERMITTENT)
- RIGID INSULATION
- BATT INSULATION

SYMBOL KEY

- 07 — DOOR NUMBER
- TS 15 — TOILET ACCESSORY
- 1 / A401 — INTERIOR ELEVATION MARK
- 1 / A201 — ENLARGED DETAIL
- 1 — KEYNOTE
- 5 — PARTITION TYPES
- 1 / A601 — EXTERIOR ELEVATION TAG
- BATH ROOM 105 — ROOM NAME & NUMBER
- 1 — WINDOW TYPE
- N — NORTH ARROW
- 1 — REVISION

LOCATION MAP



Sheet List Table

Sheet Number	Sheet Title
General	
G000	Cover Sheet
G100	Texas Accessibility Sheet
G101	Texas Accessibility Sheet
G102	Texas Accessibility Sheet
Civil	
C1.00	Dimensional & Grading Plan
Architectural	
A001	Site Plan
A101	Floor Plan
A102	Signage Plan
A700	Building Section
Structural	
S1	Foundation Plan
Mechanical	
M000	Mechanical Legend & Notes
M201	Mechanical Plan
M301	Mechanical Schedules & Details
Electrical	
E000	Electrical Legend
E100	Electrical Demolition Plan
E201	Lighting Plan
E301	Power & Special Systems Plan
E401	Mechanical Power Plan
E501	Electrical Panel Schedules
E601	Electrical Details & Riser
Plumbing	
P000	Plumbing Legend & Notes
P201	Plumbing Plan & Details

Architectural Alliance Incorporated
350 Pine Street, Suite 720
Beaumont, Texas 77701
TEL (409) 866-7196
FAX (409) 866-1745
J. ROB CLARK, A.I.A.
RONALD M. JONES, A.I.A.
www.architectaia.com

REGISTERED ARCHITECT JAMES R. CLARK 8217 STATE OF TEXAS
3/18/2022

REGISTERED ARCHITECT RONALD M. JONES 13662 STATE OF TEXAS
3/18/2022

SILSBEE HIGH SCHOOL WELDING SHOP FINISH-OUT
Silsbee Independent School District
Silsbee, TX 77656
1575 Hwy 96 N

ISSUED FOR
SCHEMATIC DESIGN [X]
DATE: 7/27/2021
DESIGN DEVELOPMENT [X]
DATE: 2/2/2022
BIDS & CONSTRUCTION [X]
DATE: 3/17/2022

DRAWINGS SHEET TITLE
COVER SHEET
SET NUMBER

SHEET NUMBER
G000

21051
PROJECT NUMBER

SAVED: LEOT
PLOT: LEO TAN
PLOT DATE: 3/18/2022 9:01 AM
SHEET SIZE: ARCH expand D (36.00 x 24.00 Inches)

302 FLOOR OR GROUND SURFACES

302.1 GENERAL. Floor and ground surfaces shall be stable, firm, and slip resistant and shall comply with 302.

EXCEPTIONS:
1. Within animal containment areas, floor and ground surfaces shall not be required to be stable, firm, and slip resistant.
2. Areas of sport activity shall not be required to comply with 302.

302.2 CARPET. Carpet or carpet tile shall be securely attached and shall have a firm cushion, pad, or backing or no cushion or pad. Carpet or carpet tile shall have a level loop, textured loop, level cut pile, or level cut/uncut pile texture. Pile height shall be 1/2 inch (13 mm) maximum. Exposed edges of carpet shall be fastened to floor surfaces and shall have trim on the entire length of the exposed edge. Carpet edge trim shall comply with 303.

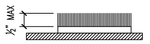


Figure 302.2 Carpet Pile Height

302.3 OPENINGS. Openings in floor or ground surfaces shall not allow passage of a sphere more than 1/2 inch (13 mm) diameter except as allowed in 407.4.3, 409.4.3, 410.4, 810.5.3 and 810.10. Elongated openings shall be placed so that the long dimension is perpendicular to the dominant direction of travel.

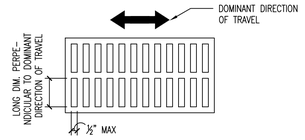


Figure 302.3 Elongated Openings in Floor or Ground Surfaces

303 CHANGE IN LEVELS

303.1 GENERAL. Where changes in level are permitted in floor or ground surfaces, they shall comply with 303.

EXCEPTIONS:
1. Animal containment areas shall not be required to comply with 303.
2. Areas of sport activity shall not be required to comply with 303.

303.2 VERTICAL. Changes in level of 1/4 inch (6.4 mm) high maximum shall be permitted to be Vertical.

303.3 BEVELED. Changes in level between 1/4 inch (6.4 mm) high minimum and 1/2 inch (13 mm) high maximum shall be beveled with a slope not steeper than 1:2.

303.4 RAMPS. Changes in level greater than 1/2 inch (13 mm) high shall be ramped, and shall comply with 405 or 406.

304 TURNING SPACE

304.1 GENERAL. Turning space shall comply with 304.

304.2 FLOOR OR GROUND SURFACES. Floor or ground surfaces of a turning space shall comply with 302. Changes in level are not permitted.

EXCEPTION: Slopes not steeper than 1:48 shall be permitted.

304.3 SIZE. Turning space shall comply with 304.3.1 or 304.3.2.

304.3.1 CIRCULAR SPACE. The turning space shall be a space of 60 inches (1525 mm) diameter minimum. The space shall be permitted to include knee and toe clearance complying with 306.

304.3.2 T-SHAPED SPACE. The turning space shall be a T-shaped space within a 60 inch (1525 mm) square minimum with arms and base 36 inches (915 mm) wide minimum. Each arm of the T shall be clear of obstructions 12 inches (305 mm) minimum in each direction and the base shall be clear of obstructions 24 inches (610 mm) minimum. The space shall be permitted to include knee and toe clearance complying with 306 only at the end of either the base or one arm.

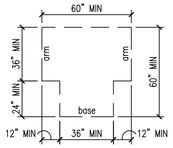


Figure 304.3.2 T-Shaped Turning Space

304.4 DOOR SWING. Doors shall be permitted to swing into turning spaces.

305 CLEAR FLOOR SPACE OR GROUND FLOOR SPACE

305.1 GENERAL. Clear floor or ground space shall comply with 305.

305.2 FLOOR OR GROUND SURFACES. Floor or ground surfaces of a clear floor or ground space shall comply with 302. Changes in level are not permitted.

EXCEPTION: Slopes not steeper than 1:48 shall be permitted.

305.3 SIZE. The clear floor or ground space shall be 30 inches (760 mm) minimum by 48 inches (1220 mm) minimum

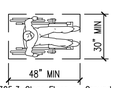


Figure 305.3 Clear Floor or Ground Space

305.4 KNEE AND TOE CLEARANCE. Unless otherwise specified, clear floor or ground space shall be permitted to include knee and toe clearance complying with 306.

305.5 POSITION. Unless otherwise specified, clear floor or ground space shall be positioned for either forward or parallel approach to an element.

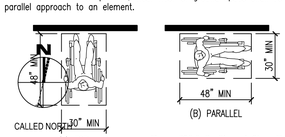


Figure 305.5 Position of Clear Floor or Ground Space

305.6 approach. One full unobstructed side of the clear floor or ground space shall adjoin an accessible route or adjoin another clear floor or ground space.

305.7 MANEUVERING CLEARANCE. Where a clear floor or ground space is located in an alcove or otherwise confined on all or part of three sides, additional maneuvering clearance shall be provided in accordance with 305.7.1 and 305.7.2.

305.7.1 FORWARD APPROACH. Alcoves shall be 36 inches (915 mm)wide minimum where the depth exceeds 24 inches (610 mm).

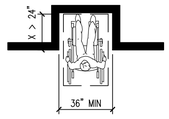


Figure 305.7.1 Maneuvering Clearance in an Alcove, Forward Approach

305.7.2 PARALLEL APPROACH. Alcoves shall be 60 inches (1525 mm) wide minimum where the depth exceeds 15 inches (380 mm).

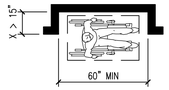
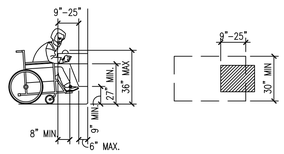


Figure 305.7.2 Maneuvering Clearance in an Alcove, Parallel Approach

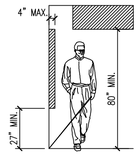
306 KNEE AND TOE CLEARANCE



307 PORTRUDING OBJECTS

307.2 PROTRUSION LIMITS. Objects with leading edges more than 27 inches (685 mm) and not more than 80 inches (2030 mm) above the finish floor or ground shall protrude 4 inches (100 mm) maximum horizontally into the circulation path.

EXCEPTION: Handrails shall be permitted to protrude 4 1/2 inches (115 mm) maximum.



307.3 POST-MOUNTED OBJECTS. Free-standing objects mounted on posts or pylons shall overhang circulation paths 12 inches (305 mm) maximum when located 27 inches (685 mm) minimum and 80 inches (2030 mm) maximum above the finish floor or ground. Where a sign or other obstruction is mounted between posts or pylons and the clear distance between the posts or pylons is greater than 12 inches (305 mm), the lowest edge of such sign or obstruction shall be 27 inches (685 mm) maximum or 80 inches (2030 mm) minimum above the finish floor or ground.

EXCEPTION: The sloping portions of handrails serving stairs and ramps shall not be required to comply with 307.3.

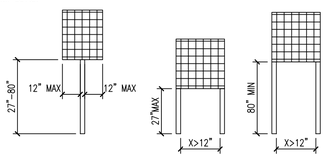


Figure 307.3 Post-Mounted Protruding Objects

307.4 VERTICAL CLEARANCE. Vertical clearance shall be 80 inches (2030 mm) high minimum. Guardrails or other barriers shall be provided where the vertical clearance is less than 80 inches (2030 mm) high. The leading edge of such guardrail or barrier shall be located 27 inches (685 mm) maximum above the finish floor or ground.

EXCEPTION: Door closers and door stops shall be permitted to be 78 inches (1980 mm) minimum above the finish floor or ground.

308 REACH RANGE

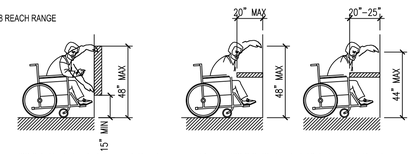


Figure 308.2.1 Unobstructed Forward Reach

Figure 308.2.2 Obstructed High Forward Reach

308.3 SIDE REACH.

308.3.1 UNOBSTRUCTED. Where a clear floor or ground space allows a parallel approach to an element and the side reach is unobstructed, the high side reach shall be 48 inches (1220 mm) maximum and the low side reach shall be 15 inches (380 mm) minimum above the finish floor or ground.

EXCEPTIONS:
1. An obstruction shall be permitted between the clear floor or ground space and the element where the depth of the obstruction is 10 inches (255 mm) maximum.

2. Operable parts of fuel dispensers shall be permitted to be 54 inches (1370 mm) maximum measured from the surface of the vehicular way where fuel dispensers are installed on existing curbs.

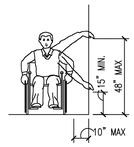


Figure 308.3.1 Unobstructed Side Reach

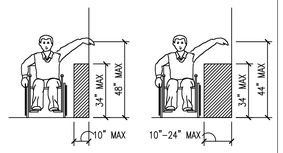


Figure 308.3.2 Obstructed High Side Reach

308.3.2 OBSTRUCTED HIGH REACH. Where a clear floor or ground space allows a parallel approach to an element and the high side reach is over an obstruction, the height of the obstruction shall be 34 inches (865 mm) maximum and the depth of the obstruction shall be 24 inches (610 mm) maximum. The high side reach shall be 48 inches (1220 mm) maximum for a reach depth of 10 inches (255 mm) maximum. Where the reach depth exceeds 10 inches (255 mm), the high side reach shall be 46 inches (1170 mm) maximum for a reach depth of 24 inches (610 mm) maximum.

EXCEPTIONS:
1. The top of washing machines and clothes dryers shall be permitted to be 36 inches (915 mm) maximum above the finish floor.\

2. Operable parts of fuel dispensers shall be permitted to be 54 inches (1370 mm) maximum measured from the surface of the vehicular way where fuel dispensers are installed on existing curbs.

309 OPERABLE PARTS

309.4 OPERATION. Operable parts shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate operable parts shall be 5 pounds (22.2 N) maximum.

EXCEPTION: Gas pump nozzles shall not be required to provide operable parts that have an activating force of 5 pounds (22.2 N) maximum.

402 ACCESSIBLE ROUTES

402.2 COMPONENTS. 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. All components of an accessible route shall comply with the applicable requirements of Chapter 4.

403 WALKING SURFACE

403.3 SLOPE. The running slope of walking surfaces shall not be steeper than 1:20. The cross slope of walking surfaces shall not be steeper than 1:48.

403.5 CLEARANCES. Walking surfaces shall provide clearances complying with 403.5.

EXCEPTION: Within employee work areas, clearances on common use circulation paths shall be permitted to be decreased by work area equipment provided that the decrease is essential to the function of the work being performed.

403.5.1 CLEAR WIDTH. Except as provided in 403.5.2 and 403.5.3, the clear width of walking surfaces shall be 36 inches (915 mm) minimum.

EXCEPTION: The clear width shall be permitted to be reduced to 32 inches (815 mm) minimum for a length of 24 inches (610 mm) maximum provided that reduced width segments are separated by segments that are 48 inches (1220 mm) long minimum and 36 inches (915 mm) wide minimum.

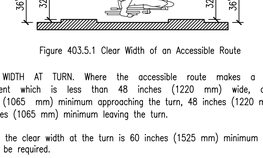


Figure 403.5.1 Clear Width of an Accessible Route

403.5.2 CLEAR WIDTH AT TURN. Where the accessible route makes a 180 degree turn around an element which is less than 48 inches (1220 mm) wide, clear width shall be 42 inches (1065 mm) minimum approaching the turn, 48 inches (1220 mm) minimum at the turn and 42 inches (1065 mm) minimum leaving the turn.

EXCEPTION: Where the clear width at the turn is 60 inches (1525 mm) minimum compliance with 403.5.2 shall not be required.

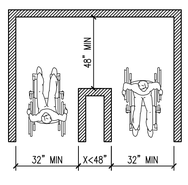


Figure 403.5.2 Clear Width at Turn

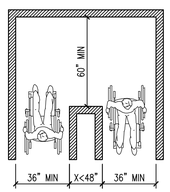


Figure 403.5.2 Clear Width at Turn (EXCEPTION)

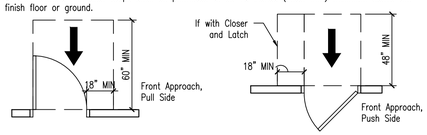
403.5.3 PASSING SPACES. An accessible route with a clear width less than 60 inches (1525 mm) shall provide passing spaces at intervals of 200 feet (61 m) maximum. Passing spaces shall be either: a space 60 inches (1525 mm) minimum by 60 inches (1525 mm) minimum; or, an intersection of two walking surfaces providing a T-shaped space complying with 304.3.2 where the base and arms of the T-shaped space extend 48 inches (1220 mm) minimum beyond the intersection.

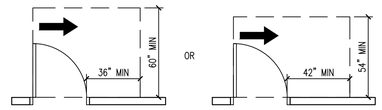
404 DOORS, DOORWAYS, AND GATES

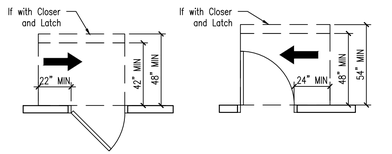
404.2.3 CLEAR WIDTH. Door openings shall provide a clear width of 32 inches (815 mm) minimum. Clear openings of doorways with swinging doors shall be measured between the face of the door and the stop, with the door open 90 degrees. Openings more than 24 inches (610 mm) deep shall provide a clear opening of 36 inches (915 mm) minimum. There shall be no projections into the required clear opening width lower than 34 inches (865 mm) above the finish floor or ground. Projections into the clear opening width between 34 inches (865 mm) and 80 inches (2030 mm) above the finish floor or ground shall not exceed 4 inches (100 mm).

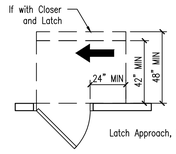
EXCEPTIONS:
1. In alterations, a projection of 5/8 inch (16 mm) maximum into the required clear width shall be permitted for the latch side stop.

2. Door closers and door stops shall be permitted to be 78 inches (1980 mm) minimum above the finish floor or ground.









404.2.6 DOORS IN SERIES AND GATES IN SERIES. The distance between two hinged or pivoted doors in series and gates in series shall be 48 inches (1220 mm) minimum plus the width of doors or gates swinging into the space.

404.2.10 DOOR AND GATE SURFACES. Swinging door and gate surfaces within 10 inches (255 mm) of the finish floor or ground measured vertically shall have a smooth surface on the push side extending the full width of the door or gate. Parts creating horizontal or vertical joints in these surfaces shall be within 1/16 inch (1.6 mm) of the same plane as the other. Cavities created by added kick plates shall be capped.

405 RAMPS

405.2 SLOPE. Ramp runs shall have a running slope not steeper than 1:12.

EXCEPTION: In existing sites, buildings, and facilities, ramps shall be permitted to have running slopes steeper than 1:12 complying with Table 405.2 where such slopes are necessary due to space limitations.

1:8 SLOPE = 3" Maximum Rise
1:10 SLOPE = 6" Maximum Rise

405.3 CROSS SLOPE. Cross slope of ramp runs shall not be steeper than 1:48.

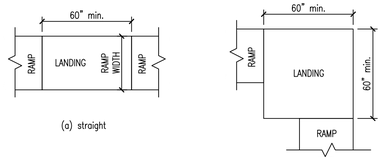


Figure 405.7 Ramp Landings

405.9.1 Extended Floor or Ground Surface. The floor or ground surface of the ramp run or landing shall extend 12 inches (305 mm) minimum beyond the inside face of a handrail complying with 505.

405.9.2 Curb or Barrier. A curb or barrier shall be provided that prevents the passage of a 4 inch (100 mm) diameter sphere, where any portion of the sphere is within 4 inches (100 mm) of the finish floor or ground surface.

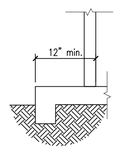


Figure 405.9.1 Extended Floor or Ground Surface Edge Protection

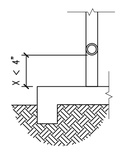


Figure 405.9.2 Curb or Barrier Edge Protection

406 CURB RAMPS

406.1 GENERAL. Curb ramps on accessible routes shall comply with 406, 405.2 through 405.5, and 405.10.

406.2 COUNTER SLOPE. Counter slopes of adjoining gutters and road surfaces immediately adjacent to the curb ramp shall not be steeper than 1:20. The adjacent surfaces at transitions at curb ramps to walks, gutters, and streets shall be at the same level.

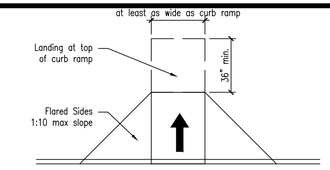
Figure 406.2 Counter Slope of Surfaces Adjacent to Curb Ramps

406.3 SIDES OF CURB RAMPS. Where provided, curb ramp flares shall not be steeper than 1:10.

406.4 LANDINGS. Landings shall be provided at the tops of curb ramps. The landing clear length shall be 36 inches (915 mm) minimum. The landing clear width shall be at least as wide as the curb ramp, excluding flared sides, leading to the landing.

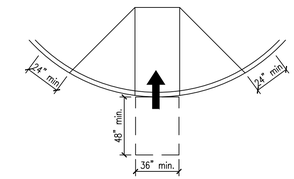
EXCEPTION: In alterations, where there is no landing at the top of curb ramps, curb ramp flares shall be provided and shall not be steeper than 1:12.

406.5 LOCATION. Curb ramps and the flared sides of curb ramps shall be located so that they do not project into vehicular traffic lanes, parking spaces, or parking access aisles. Curb ramps at marked crossings shall be wholly contained within the markings, excluding any flared sides.

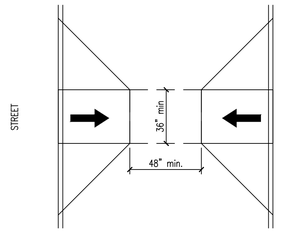


Curb Ramp Diagram

406.6 DIAGONAL CURB RAMPS. Diagonal or corner type curb ramps with returned curbs or other well-defined edges shall have the edges parallel to the direction of pedestrian flow. The bottom of diagonal curb ramps shall have a clear space 48 inches (1220 mm) minimum outside active traffic lanes of the roadway. Diagonal curb ramps provided at marked crossings shall provide the 48 inches (1220 mm) minimum clear space within the markings. Diagonal curb ramps with flared sides shall have a segment of curb 24 inches (610 mm) long minimum located on each side of the curb ramp and within the marked crossing.



406.7 ISLANDS. Raised islands in crossings shall be cut through level with the street or have curb ramps at both sides. Each curb ramp shall have a level area 48 inches (1220 mm) long minimum by 36 inches (915 mm) wide minimum at the top of the curb ramp in the part of the island intersected by the crossings. Each 48 inch (1220 mm) minimum by 36 inch (915 mm) minimum area shall be oriented so that the 48 inch (1220 mm) minimum length is in the direction of the running slope of the curb ramp it serves. The 48 inch (1220 mm) minimum by 36 inch (915 mm) minimum areas and the accessible route shall be permitted to overlap.



502 PARKING SPACES

502.2 VEHICLE SPACES. Car parking spaces shall be 96 inches (2440 mm) wide minimum and van parking spaces shall be 132 inches (3350 mm) wide minimum, shall be marked to define the width, and shall have an adjacent access aisle complying with 502.3.

EXCEPTION: Van parking spaces shall be permitted to be 96 inches (2440 mm) wide minimum where the access aisle is 96 inches (2440 mm) wide minimum.

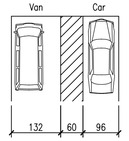


Figure 502.2 Vehicle Parking Spaces

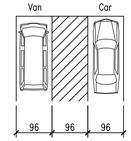


Figure 502.2 Vehicle Parking Spaces (Exception)

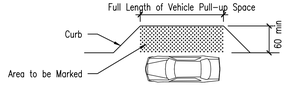
502.3.4 LOCATION. Access aisles shall not overlap the vehicular way. Access aisles shall be permitted to be placed on either side of the parking space except for angled van parking spaces which shall have access aisles located on the passenger side of the parking spaces.

502.5 VERTICAL CLEARANCE. Parking spaces for vans and access aisles and vehicular routes serving them shall provide a vertical clearance of 98 inches (2490 mm) minimum.

502.6 IDENTIFICATION. Parking space identification signs shall include the International Symbol of Accessibility complying with 703.7.2.1. Signs identifying van parking spaces shall contain the designation "van accessible." Signs shall be 60 inches (1525 mm) minimum above the finish floor or ground surface measured to the bottom of the sign.

503 PASSENGER LOADING ZONES

503.2 VEHICLE PULL-UP SPACE. Passenger loading zones shall provide a vehicular pull-up space 96 inches (2440 mm) wide minimum and 20 feet (6100 mm) long minimum.



Architectural Alliance Incorporated
350 Pine Street, Suite 720
Ellison Plaza
Beaumont, Texas 77701
TEL (409) 866-7196
FAX (409) 866-1745
J. ROSS CLARK, A.I.A.
RONALD M. JONES, A.I.A.
www.architectall.com

REGISTERED ARCHITECT JAMES R. CLARK 8212 STATE OF TEXAS
3/18/2022

REGISTERED ARCHITECT RONALD M. JONES 13662 STATE OF TEXAS
3/18/2022

SILSBEE HIGH SCHOOL WELDING SHOP FINISH-OUT

Silsbee Independent School District

1575 Hwy 96 N

Silsbee, TX 77656

ISSUED FOR
SCHEMATIC DESIGN [X]
DATE: 7/27/2021
DESIGN DEVELOPMENT [X]
DATE: 2/2/2022
BIDS & CONSTRUCTION [X]
DATE: 3/17/2022
REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:

DRAWINGS SHEET TITLE

TEXAS ACCESSIBILITY SHEET

SHEET NUMBER

G100

21051
PROJECT NUMBER

SAVED: LEOT
PLOT: LEO TAN
PLOT DATE: 3/18/2022 9:01 AM
SHEET SIZE: ARCH expand D (36.00 x 24.00 inches)

504 STAIRWAYS

504.2 TREADS AND RISERS. All steps on a flight of stairs shall have uniform riser heights and uniform tread depths. Risers shall be 4 inches (100 mm) high minimum and 7 inches (180 mm) high maximum. Treads shall be 11 inches (280 mm) deep minimum.

504.3 OPEN RISERS. Open risers are not permitted.

504.4 TREAD SURFACE. Stair treads shall comply with 302. Changes in level are not permitted.

EXCEPTION: Treads shall be permitted to have a slope not steeper than 1:48.

504.5 NOSINGS. The radius of curvature at the leading edge of the tread shall be 1/2 inch (13 mm) maximum. Nosings that project beyond risers shall have the underside of the leading edge curved or beveled. Risers shall be permitted to slope under the tread at an angle of 30 degrees maximum from vertical. The permitted projection of the nosing shall extend 1 1/2 inches (38 mm) maximum over the tread below.

505 HANDRAILS

505.2 WHERE REQUIRED. Handrails shall be provided on both sides of stairs and ramps.

EXCEPTION: In assembly areas, handrails shall not be required on both sides of aisle ramps where a handrail is provided at either side or within the aisle width.

505.3 CONTINUITY. Handrails shall be continuous within the full length of each stair flight or ramp run. Inside handrails on switchback or dogleg stairs and ramps shall be continuous between flights or runs.

EXCEPTION: In assembly areas, handrails on ramps shall not be required to be continuous in aisles serving seating.

505.4 HEIGHT. Top of gripping surfaces of handrails shall be 34 inches (865 mm) minimum and 38 inches (965 mm) maximum vertically above walking surfaces, stair nosings, and ramp surfaces. Handrails shall be at a consistent height above walking surfaces, stair nosings, and ramp surfaces.

505.5 CLEARANCE. Clearance between handrail gripping surfaces and adjacent surfaces shall be 1 1/2 inches (38 mm) minimum.

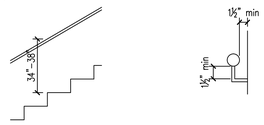


Figure 505.4 Handrail Height — Handrail Clearances

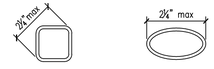
505.6 GRIPPING SURFACE. Handrail gripping surfaces shall be continuous along their length and shall not be obstructed along their tops or sides. The bottoms of handrail gripping surfaces shall not be obstructed for more than 20 percent of their length. Where provided, horizontal projections shall occur 1 1/2 inches (38 mm) minimum below the bottom of the handrail gripping surface.

EXCEPTIONS:
1. Where handrails are provided along walking surfaces with slopes not steeper than 1:20, the bottoms of handrail gripping surfaces shall be permitted to be obstructed along their entire length where they are integral to crash rails or bumper guards.

2. The distance between horizontal projections and the bottom of the gripping surface shall be permitted to be reduced by 1/8 inch (3.2 mm) for each 1/2 inch (13 mm) of additional handrail perimeter dimension that exceeds 4 inches (100 mm).

505.7.1 CIRCULAR CROSS SECTION. Handrail gripping surfaces with a circular cross section shall have an outside diameter of 1 1/4 inches (32 mm) minimum and 2 inches (51 mm) maximum.

505.7.2 NON-CIRCULAR CROSS SECTIONS. Handrail gripping surfaces with a non-circular cross section shall have a perimeter dimension of 4 inches (100 mm) minimum and 6 1/4 inches (160 mm) maximum, and a cross-section dimension of 2 1/4 inches (57 mm) maximum.



4 – 6¼" perimeter on both

505.10.1 TOP AND BOTTOM EXTENSION AT RAMPS. Ramp handrails shall extend horizontally above the landing for 12 inches (305 mm) minimum beyond the top and bottom of ramp runs. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent ramp run.

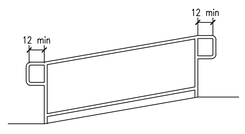
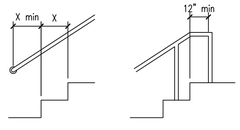


Figure 505.10.1 Top and Bottom Handrail Extension at Ramps

505.10.2 TOP EXTENSION AT STAIRS. At the top of a stair flight, handrails shall extend horizontally above the landing for 12 inches (305 mm) minimum beginning directly above the first riser nosing. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent stair flight.

505.10.3 BOTTOM EXTENSION AT STAIRS. At the bottom of a stair flight, handrails shall extend at the slope of the stair flight for a horizontal distance at least equal to one tread depth beyond the last riser nosing. Extension shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent stair flight.



Top and Bottom Handrail Extension at Stairs

602 DRINKING FOUNTAINS

602.2 CLEAR FLOOR SPACE. Units shall have a clear floor or ground space complying with 305 positioned for a forward approach and centered on the unit. Knee and toe clearance complying with 306 shall be provided.

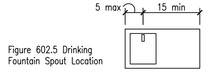


Figure 602.5 Drinking Fountain Spout Location

602.6 WATER FLOW. The spout shall provide a flow of water 4 inches (100 mm) high minimum and shall be located 5 inches (125 mm) maximum from the front of the unit. The angle of the water stream shall be measured horizontally relative to the front face of the unit. Where spouts are located less than 3 inches (75 mm) of the front of the unit, the angle of the water stream shall be 30 degrees maximum. Where spouts are located between 3 inches (75 mm) and 5 inches (125 mm) maximum from the front of the unit, the angle of the water stream shall be 15 degrees maximum.

602.7 DRINKING FOUNTAINS FOR STANDING PERSONS. Spout outlets of drinking fountains for standing persons shall be 38 inches (965 mm) minimum and 43 inches (1090 mm) maximum above the finish floor or ground.

603 TOILET AND BATHING ROOMS

603.2.2 OVERLAP. Required clear floor spaces, clearance at fixtures, and turning space shall be permitted to overlap.

603.2.3 DOOR SWING. Doors shall not swing into the clear floor space or clearance required for any fixture. Doors shall be permitted to swing into the required turning space.

EXCEPTIONS:
1. Doors to a toilet room or bathing room for a single occupant accessed only through a private office and not for common use or public use shall be permitted to swing into the clear floor space or clearance provided the swing of the door can be reversed to comply with 603.2.3.

2. Where the toilet room or bathing room is for individual use and a clear floor space complying with 305.3 is provided within the room beyond the arc of the door swing, doors shall be permitted to swing into the clear floor space or clearance required for any fixture.

603.3 MIRRORS. Mirrors located above lavatories or countertops shall be installed with the bottom edge of the reflecting surface 40 inches (1015 mm) maximum above the finish floor or ground. Mirrors not located above lavatories or countertops shall be installed with the bottom edge of the reflecting surface 35 inches (890 mm) maximum above the finish floor or ground.

603.4 COAT HOOKS AND SHELVES. Coat hooks shall be located within one of the reach ranges specified in 308. Shelves shall be located 40 inches (1015 mm) minimum and 48 inches (1220 mm) maximum above the finish floor.

604 WATER CLOSETS AND TOILET COMPARTMENTS

604.2 LOCATION. The water closet shall be positioned with a wall or partition to the rear and to one side. The centerline of the water closet shall be 16 inches (405 mm) minimum to 18 inches (455 mm) maximum from the side wall or partition, except that the water closet shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum from the side wall or partition in the ambulatory accessible toilet compartment specified in 604.8.2. Water closets shall be arranged for a left-hand or right-hand approach.

Wheelchair Accessible Water Closet — Ambulatory Accessible Water Closet

604.3.1 Size. Clearance around a water closet shall be 60 inches (1525 mm) minimum measured perpendicular from the side wall and 56 inches (1420 mm) minimum measured perpendicular from the rear wall.

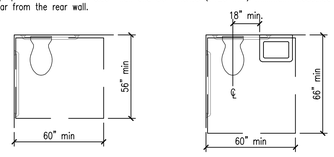
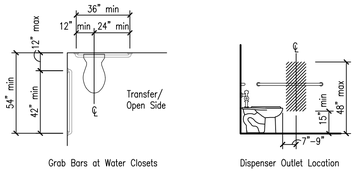


Figure 604.3.1 Size of Clearance at Water Closets — Figure 604.3.2 (Exception) Overlap of Water Closet Clearance in Residential Dwelling Units

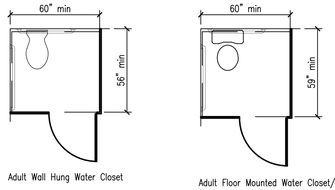


Grab Bars at Water Closets — Dispenser Outlet Location

EXCEPTIONS:
1. The rear grab bar shall be permitted to be 24 inches (610 mm) long minimum, centered on the water closet, where wall space does not permit a length of 36 inches (915 mm) minimum due to the location of a recessed fixture adjacent to the water closet.

2. Where an administrative authority requires flush controls for flush valves to be located in a position that conflicts with the location of the rear grab bar, then the rear grab bar shall be permitted to be split or shifted to the open side of the toilet area.

604.7 DISPENSERS. Toilet paper dispensers shall comply with 309.4 and shall be 7 inches (180 mm) minimum and 9 inches (230 mm) maximum in front of the water closet measured to the centerline of the dispenser. The outlet of the dispenser shall be 15 inches (380 mm) minimum and 48 inches (1220 mm) maximum above the finish floor and shall not be located behind grab bars. Dispensers shall not be of a type that controls delivery or that does not allow continuous paper flow.



Adult Wall Hung Water Closet — Adult Floor Mounted Water Closet/ Children Water Closet

604.8.1.2 DOORS. Toilet compartment doors, including door hardware, shall comply with 404 except that if the approach is to the latch side of the compartment door, clearance between the door side of the compartment and any obstruction shall be 42 inches (1065 mm) minimum. Doors shall be located in the front partition or in the side wall or partition farthest from the water closet. Where located in the front partition, the door opening shall be 4 inches (100 mm) maximum from the side wall or partition farthest from the water closet. Where located in the side wall or partition, the door opening shall be 4 inches (100 mm) maximum from the front partition. The door shall be self-closing. A door pull complying with 404.2.7 shall be placed on both sides of the door near the latch. Toilet compartment doors shall not swing into the minimum required compartment area.

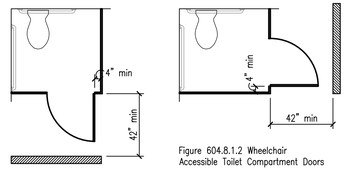
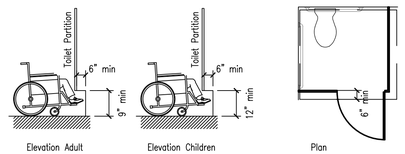


Figure 604.8.1.2 Wheelchair Accessible Toilet Compartment Doors

604.8.1.4 TOE CLEARANCE. The front partition and at least one side partition shall provide a toe clearance of 9 inches (230 mm) minimum above the finish floor and 6 inches (150 mm) deep minimum beyond the compartment-side face of the partition, exclusive of partition support members. Compartments for children's use shall provide a toe clearance of 12 inches (305 mm) minimum above the finish floor.

EXCEPTION: Toe clearance at the front partition is not required in a compartment greater than 62 inches (1575 mm) deep with a wall-hung water closet or 65 inches (1650 mm) deep with a floor-mounted water closet. Toe clearance at the side partition is not required in a compartment greater than 66 inches (1675 mm) wide. Toe clearance at the front partition is not required in a compartment for children's use that is greater than 65 inches (1650 mm) deep.



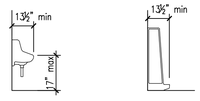
Elevation Adult — Elevation Children — Plan

604.8.2.1 SIZE. Ambulatory accessible compartments shall have a depth of 60 inches (1525 mm) minimum and a width of 35 inches (890 mm) minimum and 37 inches (940 mm) maximum.

604.8.2.2 DOORS. Toilet compartment doors, including door hardware, shall comply with 404, except that if the approach is to the latch side of the compartment door, clearance between the door side of the compartment and any obstruction shall be 42 inches (1065 mm) minimum. The door shall be self-closing. A door pull complying with 404.2.7 shall be placed on both sides of the door near the latch. Toilet compartment doors shall not swing into the minimum required compartment area.

Ambulatory Compartment

605.2 HEIGHT AND DEPTH. Urinals shall be the stall-type or the wall-hung type with the rim 17 inches (430 mm) maximum above the finish floor or ground. Urinals shall be 13 1/2 inches (345 mm) deep minimum measured from the outer face of the urinal rim to the back of the fixture.



Wall Hung — Stall Type

Figure 605.2 Height and Depth of Urinals

606 LAVATORIES AND SINKS

606.2 CLEAR FLOOR SPACE. A clear floor space complying with 305, positioned for a forward approach, and knee and toe clearance complying with 306 shall be provided.

EXCEPTIONS:
1. A parallel approach complying with 305 shall be permitted to a kitchen sink in a space where a cook top or conventional range is not provided and to wet bars.

2. A lavatory in a toilet room or bathing facility for a single occupant accessed only through a private office and not for common use or public use shall not be required to provide knee and toe clearance complying with 306.

3. In residential dwelling units, cabinetry shall be permitted under lavatories and kitchen sinks provided that all of the following conditions are met:
(a) the cabinetry can be removed without removal or replacement of the fixture;
(b) the finish floor extends under the cabinetry; and
(c) the walls behind and surrounding the cabinetry are finished.

4. A knee clearance of 24 inches (610 mm) minimum above the finish floor or ground shall be permitted at lavatories and sinks used primarily by children 6 through 12 years where the rim or counter surface is 31 inches (785 mm) maximum above the finish floor or ground.

5. A parallel approach complying with 305 shall be permitted to lavatories and sinks used primarily by children 5 years and younger.

6. The dip of the overflow shall not be considered in determining knee and toe clearances.

7. No more than one bowl of a multi-bowl sink shall be required to provide knee and toe clearance complying with 306.

606.3 HEIGHT. Lavatories and sinks shall be installed with the front of the higher of the rim or counter surface 34 inches (865 mm) maximum above the finish floor or ground.

606.4 FAUCETS. Controls for faucets shall comply with 309. Hand-operated metering faucets shall remain open for 10 seconds minimum.

607 BATHTUBS

607.2 CLEARANCE. Clearance in front of bathtubs shall extend the length of the bathtub and shall be 30 inches (760 mm) wide minimum. A lavatory complying with 606 shall be permitted at the control end of the clearance. Where a permanent seat is provided at the head end of the bathtub, the clearance shall extend 12 inches (305 mm) minimum beyond the wall at the head end of the bathtub.

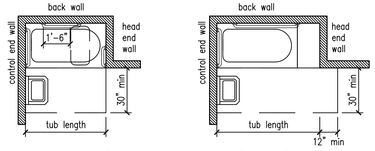
607.3 SEAT. A permanent seat at the head end of the bathtub or a removable in-tub seat shall be provided. Seats shall comply with 610.

607.4 GRAB BARS. Grab bars for bathtubs shall comply with 609 and shall be provided in accordance with 607.4.1 or 607.4.2.

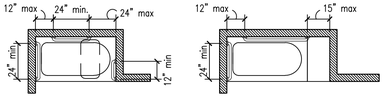
607.4.1 BATHTUBS WITH PERMANENT SEATS. For bathtubs with permanent seats, grab bars shall be provided in accordance with 607.4.1.

607.4.1.1 BACK WALL. Two grab bars shall be installed on the back wall, one located in accordance with 609.4 and the other located 8 inches (205 mm) minimum and 10 inches (255 mm) maximum above the rim of the bathtub. Each grab bar shall be installed 15 inches (380 mm) maximum from the head end wall and 12 inches (305 mm) maximum from the control end wall.

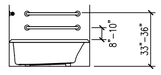
607.4.1.2 CONTROL END WALL. A grab bar 24 inches (610 mm) long minimum shall be installed on the control end wall at the front edge of the bathtub.



Removable in-tub Seat — Permanent Seat



Removable in-tub Seat — Permanent Seat



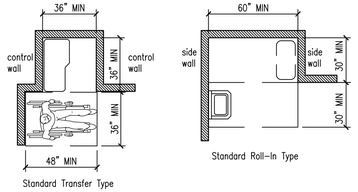
Grab Bar Heights

607.5 CONTROLS. Controls, other than drain stoppers, shall be located on an end wall. Controls shall be between the bathtub rim and grab bar, and between the open side of the bathtub and the centerline of the width of the bathtub. Controls shall comply with 309.4.

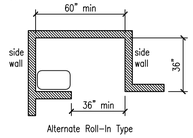
607.6 SHOWER SPRAY UNIT AND WATER. A shower spray unit with a hose 59 inches (1500 mm) long minimum that can be used both as a fixed-position shower head and as a hand-held shower shall be provided. The shower spray unit shall have an on/off control with a non-positive shut-off. If an adjustable-height shower head on a vertical bar is used, the bar shall be installed so as not to obstruct the use of grab bars. Bathtub shower spray units shall deliver water that is 120°F (49°C) maximum.

608 SHOWER COMPARTMENTS

608.2.1 TRANSFER TYPE SHOWER COMPARTMENTS. Transfer type shower compartments shall be 36 inches (915 mm) by 36 inches (915 mm) clear inside dimensions measured at the center points of opposing sides and shall have a 36 inch (915 mm) wide minimum entry on the face of the shower compartment. Clearance of 36 inches (915 mm) wide minimum by 48 inches (1220 mm) long minimum measured from the control wall shall be provided.



Standard Transfer Type — Standard Roll-In Type



Alternate Roll-In Type

609 GRAB BARS

609.2.1 CIRCULAR CROSS SECTION. Grab bars with circular cross sections shall have an outside diameter of 1 1/4 inches (32 mm) minimum and 2 inches (51 mm) maximum.

609.2.2 NON-CIRCULAR CROSS SECTION. Grab bars with non-circular cross sections shall have a cross-section dimension of 2 inches (51 mm) maximum and a perimeter dimension of 4 inches (100 mm) minimum and 4.8 inches (120 mm) maximum.

609.3 SPACING. The space between the wall and the grab bar shall be 1 1/2 inches (38 mm). The space between the grab bar and projecting objects below and at the ends shall be 1 1/2 inches (38 mm) minimum. The space between the grab bar and projecting objects above shall be 12 inches (305 mm) minimum.

609.4 POSITION OF GRAB BARS. Grab bars shall be installed in a horizontal position, 33 inches (840 mm) minimum and 36 inches (915 mm) maximum above the finish floor measured to the top of the gripping surface, except that at water closets for children's use complying with 604.9, grab bars shall be installed in a horizontal position 18 inches (455 mm) minimum and 27 inches (685 mm) maximum above the finish floor measured to the top of the gripping surface. The height of the lower grab bar on the back wall of a bathtub shall comply with 607.4.1.1 or 607.4.2.1.

609.5 SURFACE HAZARDS. Grab bars and any wall or other surfaces adjacent to grab bars shall be free of sharp or abrasive elements and shall have rounded edges.

609.6 FITTINGS. Grab bars shall not rotate within their fittings.

609.7 INSTALLATION. Grab bars shall be installed in any manner that provides a gripping surface at the specified locations and that does not obstruct the required clear floor space.

609.8 STRUCTURAL STRENGTH. Allowable stresses shall not be exceeded for materials used when a vertical or horizontal force of 250 pounds (1112 N) is applied at any point on the grab bar, fastener, mounting device, or supporting structure.

610 SEATS

610.2 BATHTUB SEATS. The top of bathtub seats shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum above the bathroom finish floor. The depth of a removable in-tub seat shall be 15 inches (380 mm) minimum and 16 inches (405 mm) maximum. The seat shall be capable of secure placement. Permanent seats at the head end of the bathtub shall be 15 inches (380 mm) deep minimum and shall extend from the back wall to or beyond the outer edge of the bathtub.

610.3 SHOWER COMPARTMENT SEATS. Where a seat is provided in a standard roll-in shower compartment, it shall be a folding type, shall be installed on the side wall adjacent to the controls, and shall extend from the back wall to a point within 3 inches (75 mm) of the compartment entry. Where a seat is provided in an alternate roll-in type shower compartment, it shall be a folding type, shall be installed on the front wall opposite the back wall, and shall extend from the adjacent side wall to a point within 3 inches (75 mm) of the compartment entry. In transfer-type showers, the seat shall extend from the back wall to a point within 3 inches (75 mm) of the compartment entry. The top of the seat shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum above the bathroom finish floor. Seats shall comply with 610.3.1 or 610.3.2.

610.3.1 RECTANGULAR SEATS. The rear edge of a rectangular seat shall be 2 1/2 inches (64 mm) maximum and the front edge 15 inches (380 mm) minimum and 16 inches (405 mm) maximum from the seat wall. The side edge of the seat shall be 1 1/2 inches (38 mm) maximum from the adjacent wall.

610.3.2 L-SHAPED SEATS. The rear edge of an L-shaped seat shall be 2 1/2 inches (64 mm) maximum and the front edge 15 inches (380 mm) minimum and 16 inches (405 mm) maximum from the seat wall. The rear edge of the "L" portion of the seat shall be 1 1/2 inches (38 mm) maximum from the wall and the front edge shall be 14 inches (355 mm) minimum and 15 inches (380 mm) maximum from the wall. The end of the "L" shall be 22 inches (560 mm) minimum and 23 inches maximum (585 mm) from the main seat wall.

702 FIRE ALARM SYSTEMS

702.1 GENERAL. Fire alarm systems shall have permanently installed audible and visible alarms complying with NFPA 72 (1999 or 2002 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1), except that the maximum allowable sound level of audible notification appliances complying with section 4–3.2.1 of NFPA 72 (1999 edition) shall have a sound level no more than 110 dB at the minimum hearing distance from the audible appliance. In addition, alarms in guest rooms required to provide communication features shall comply with sections 4–3 and 4–4 of NFPA 72 (1999 edition) or sections 7.4 and 7.5 of NFPA 72 (2002 edition).

EXCEPTION: Fire alarm systems in medical care facilities shall be permitted to be provided in accordance with industry practice.

703 SIGNS

703.1 GENERAL. Signs shall comply with 703. Where both visual and tactile characters are required, either one sign with both visual and tactile characters, or two separate signs, one with visual, and one with tactile characters, shall be provided.

703.2 RAISED CHARACTERS. Raised characters shall comply with 703.2 and shall be duplicated in braille complying with 703.3. Raised characters shall be installed in accordance with 703.4.

703.2.1 DEPTH. Raised characters shall be 1/32 inch (0.8 mm) minimum above their background.

703.2.2 CASE. Characters shall be uppercase.

703.2.3 STYLE. Characters shall be sans serif. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms.

703.2.4 CHARACTER PROPORTIONS. Characters shall be selected from fonts where the width of the uppercase letter "O" is 55 percent minimum and 110 percent maximum of the height of the uppercase letter "I".

703.2.5 CHARACTER HEIGHT. Character height measured vertically from the baseline of the character shall be 5/8 inch (16 mm) minimum and 2 inches (51 mm) maximum based on the height of the uppercase letter "I".

703.2.6 STROKE THICKNESS. Stroke thickness of the uppercase letter "I" shall be 15 percent maximum of the height of the character. 703.2.7 Character Spacing. Character spacing shall be measured between the two closest points of adjacent raised characters within a message, excluding word spaces. Where characters have rectangular cross sections, spacing between individual raised characters shall be 1/8 inch (3.2 mm) minimum and 4 times the raised character stroke width maximum. Where characters have other cross sections, spacing between individual raised characters shall be 1/16 inch (1.6 mm) minimum and 4 times the raised character stroke width maximum at the base of the cross sections, and 1/8 inch (3.2 mm) minimum and 4 times the raised character stroke width maximum at the top of the cross sections. Characters shall be separated from raised borders and decorative elements 3/8 inch (9.5 mm) minimum.

703.2.8 LINE SPACING. Spacing between the baselines of separate lines of raised characters within a message shall be 135 percent minimum and 170 percent maximum of the raised character height.

703.3 BRAILLE. Braille shall be contracted (Grade 2) and shall comply with 703.3 and 703.4.

703.3.1 DIMENSIONS AND CAPITALIZATION. Braille dots shall have a domed or rounded shape and shall comply with Table 703.3.1. The indication of an uppercase letter or letters shall only be used before the first word of sentences, proper nouns and names, individual letters of the alphabet, initials, and acronyms.

705 DETECTABLE WARNINGS

705.1.1 DOME SIZE. Truncated domes in a detectable warning surface shall have a base diameter of 0.9 inch (23 mm) minimum and 1.4 inches (36 mm) maximum, a top diameter of 50 percent of the base diameter minimum to 65 percent of the base diameter maximum, and a height of 0.2 inch (5.1 mm).

705.1.2 DOME SPACING. Truncated domes in a detectable warning surface shall have a center-to-center spacing of 1.6 inches (41 mm) minimum and 2.4 inches (61 mm) maximum, and a base-to-base spacing of 0.65 inch (17 mm) minimum, measured between the most adjacent domes on a square grid.

705.1.3 CONTRAST. Detectable warning surfaces shall contrast visually with adjacent walking surfaces either light-on-dark, or dark-on-light.

708 TWO-WAY COMMUNICATION SYSTEMS

708.3 HANDSETS. Handset cords, if provided, shall be 29 inches (735 mm) long minimum.

708.4 RESIDENTIAL DWELLING UNIT COMMUNICATION SYSTEMS. Communications systems between a residential dwelling unit and a site, building, or floor entrance shall comply with 708.4.

708.4.1 COMMON USE OR PUBLIC USE SYSTEM INTERFACE. The common use or public use system interface shall include the capability of supporting voice and TTY communication with the residential dwelling unit interface.

708.4.2 RESIDENTIAL DWELLING UNIT INTERFACE. The residential dwelling unit system interface shall include a telephone jack capable of supporting voice and TTY communication with the common use or public use system interface.

Architectural Alliance Incorporated
350 Pine Street, Suite 720
Ednor Plaza
Beaumont, Texas 77701
TEL (409) 866-7196
FAX (409) 866-1745
J. ROSS CLARK, A.I.A.
RONALD M. JONES, A.I.A.
www.architectall.com

REGISTERED ARCHITECT JAMES R. CLARK 8212 STATE OF TEXAS
3/18/2022

REGISTERED ARCHITECT RONALD M. JONES 13662 STATE OF TEXAS
3/18/2022

SILSBEE HIGH SCHOOL WELDING SHOP FINISH-OUT

Silsbee Independent School District

1575 Hwy 96 N
Silsbee, TX 77656

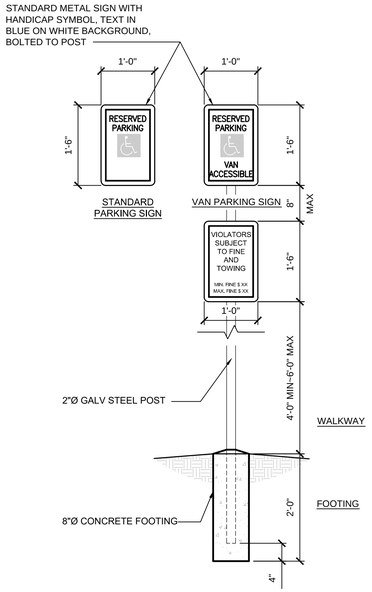
ISSUED FOR
SCHEMATIC DESIGN X
DATE: 7/27/2021
DESIGN DEVELOPMENT X
DATE: 2/2/2022
BIDS & CONSTRUCTION X
DATE: 3/17/2022
REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:

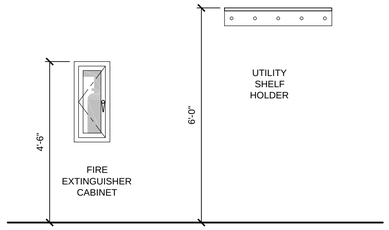
DRAWINGS SHEET TITLE
TEXAS ACCESSIBILITY SHEET

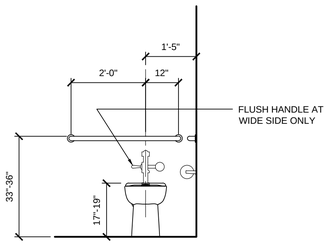
SHEET NUMBER
G101

21051
PROJECT NUMBER

SAVED: LEOT
PLOT: LEO TAN
PLOT DATE: 3/18/2022 9:01 AM
SHEET SIZE: ARCH expand D (36.00 x 24.00 Inches)



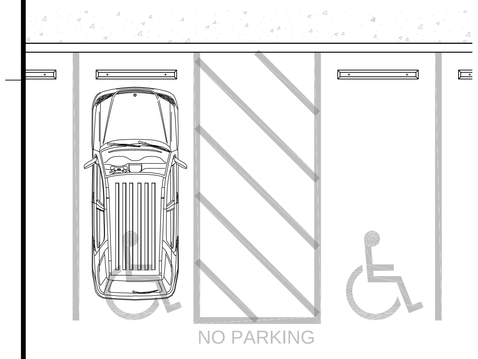


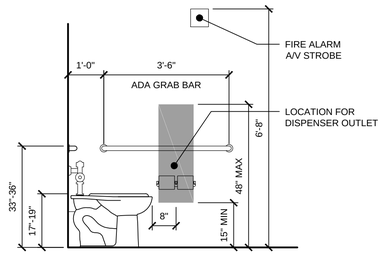


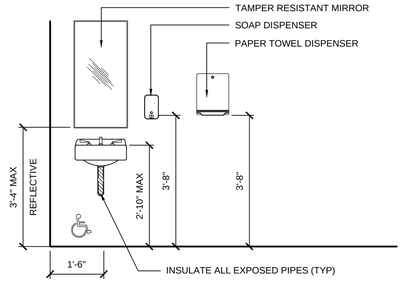
SIGN TO BE IN COMPLIANCE WITH THE AMERICAN DISABILITIES ACT & THE TEXAS DEPARTMENT OF LICENSING & REGULATION ARCHITECTURAL BARRIERS ACT #9102

SIGNAGE TO BE DONE BY A PROFESSIONAL SIGN MANUFACTURER

SIGN AT VAN PARKING SPACE TO BE MARKED TO INDICATE THAT SPACE IS VAN ACCESSIBLE







ACCESSIBLE PARKING SPACES

(a) a paved accessible parking space must include:

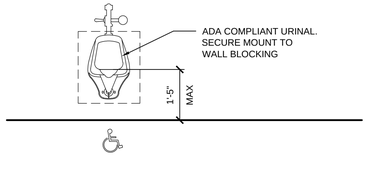
(1) the international symbol of access painted conspicuously on the surface in a color that contracts the pavement.
(2) the words "NO PARKING" painted on any access aisle adjacent to the parking space. The words must be painted:

(A) In all capital letters;
(B) with a letter height of at least one foot, and a stroke width of at least two inches;
(C) centered within each access aisle adjacent to the parking space;

(3) a sign identifying the consequences of parking illegally in a paved accessible parking space. The sign must:

(A) at a minimum state "Violators Subject to Fine and Towing" in a letter height of at least one inch;
(B) be mounted on a pole, post, wall or freestanding board;
(C) be no more than eight inches below a sign required by Texas Accessibility Standards, 502.6; and
(D) be installed so that the bottom edge of the sign is no lower than 4 feet and no higher than 6 feet above ground level.

(b) a sign that meets the requirements set in Texas Accessibility Standards, 502.6 that includes the required language in subsection (a)(3)(A) satisfies this section.



Architectural Alliance Incorporated
350 Pine Street, Suite 720
Ellison Plaza
Beaumont, Texas 77701
TEL (409) 866-7196
FAX (409) 866-1745
J. ROSS CLARK, A.I.A.
RONALD M. JONES, A.I.A.
www.architectall.com

REGISTERED ARCHITECT JAMES R. CLARK 8212 STATE OF TEXAS
3/18/2022

REGISTERED ARCHITECT RONALD M. JONES 13662 STATE OF TEXAS
3/18/2022

SILSBEE HIGH SCHOOL WELDING SHOP FINISH-OUT

Silsbee Independent School District

1575 Hwy 96 N
Silsbee, TX 77656

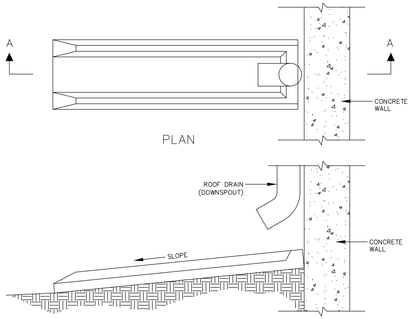
ISSUED FOR
SCHEMATIC DESIGN X
DATE: 7/27/2021
DESIGN DEVELOPMENT X
DATE: 2/2/2022
BIDS & CONSTRUCTION X
DATE: 3/17/2022
REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:

DRAWINGS SHEET TITLE
TEXAS ACCESSIBILITY SHEET

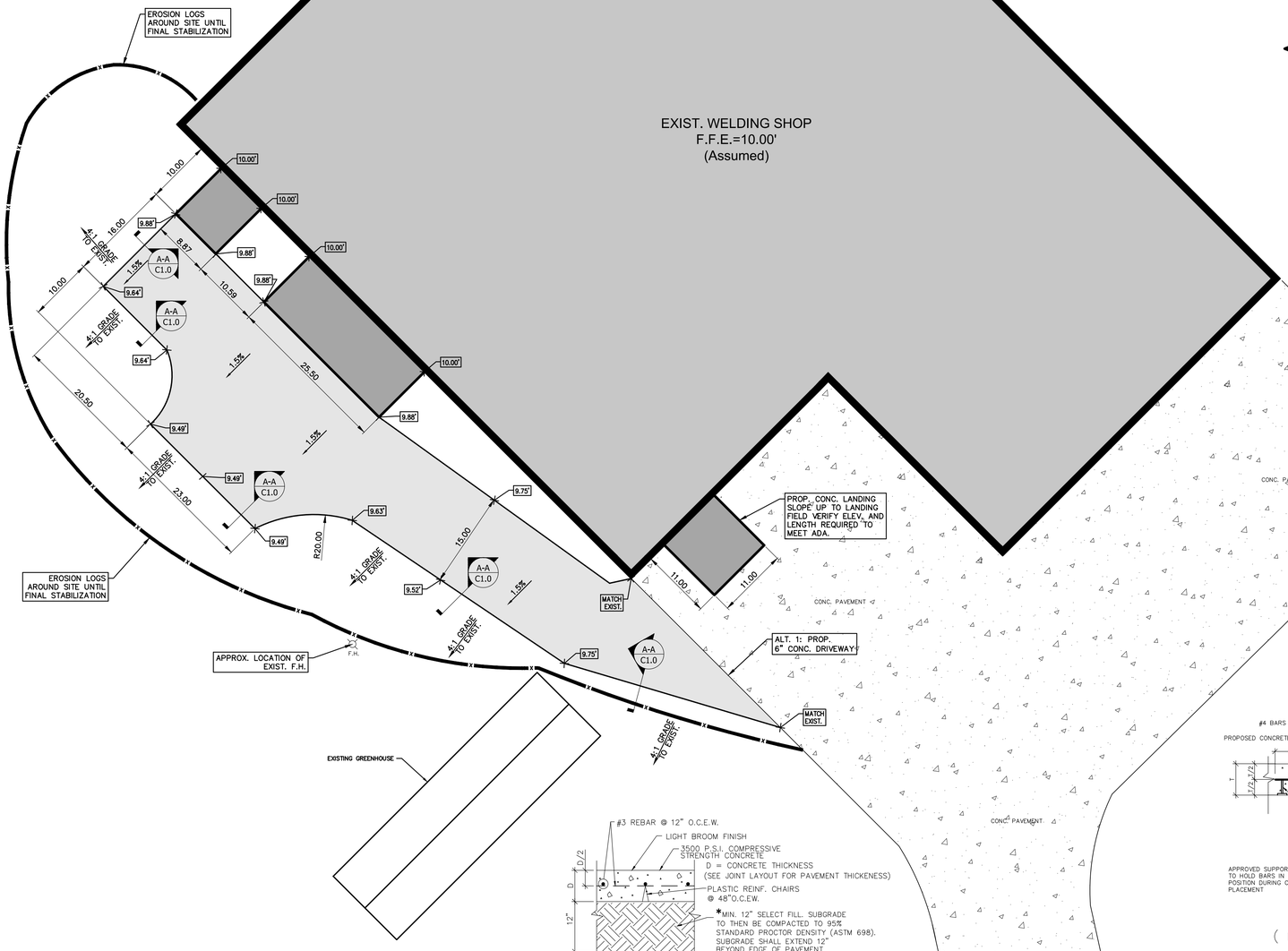
SHEET NUMBER
G102

21051
PROJECT NUMBER

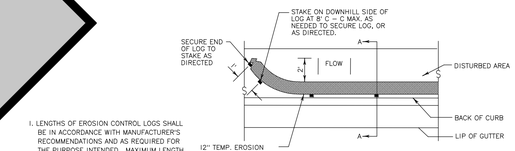
SAVED: LEOT
PLOT LED TAN
PLOT DATE: 3/18/2022 9:01 AM
SHEET SIZE: ARCH expand D (36.00 x 24.00 Inches)



Concrete Splash Pad
(AT EXIST. DOWNSPOUTS)

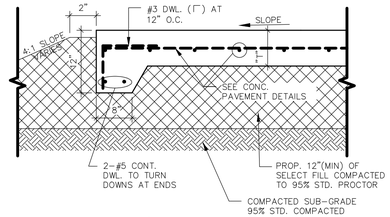


Concrete Pavement



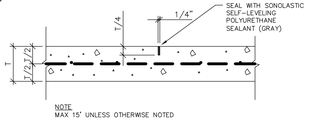
1. LENGTHS OF EROSION CONTROL LOGS SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND AS REQUIRED FOR THE PURPOSE INTENDED. MAXIMUM LENGTH OF LOGS SHALL BE 60' FOR 18" DIAMETER OR 30' FOR 12" DIAMETER LOGS.
2. UNLESS OTHERWISE DIRECTED, USE BIODEGRADABLE OR PHOTODEGRADABLE CONTAINMENT MESH ONLY WHERE LOG WILL REMAIN IN PLACE AS PART OF A VEGETATIVE SYSTEM. FOR TEMPORARY INSTALLATIONS, USE RECYCLABLE CONTAINMENT MESH.
3. STUFF LOGS WITH SUFFICIENT FILTER MATERIAL TO ACHIEVE DENSITY THAT WILL HOLD SHAPE WITHOUT EXCESSIVE DEFORMATION.
4. STAKES SHALL BE 2" X 2" WOOD OR #3 REBAR, 4' LONG, EMBEDDED SUCH THAT 2" PROTRUDES ABOVE LOG, OR AS DIRECTED.
5. DO NOT PLACE STAKES THROUGH CONTAINMENT MESH.

Log Placed at Edge of Pavement

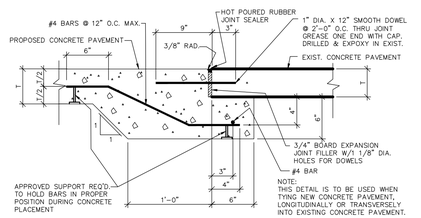


Section A-A
(TYPICAL)

Thicken Pavement Edge



Sawed Control Joint
(SPACING 12' TO 15' EVENLY SPACED)



Pavement Transition
(NEW CONCRETE TO EXIST. CONCRETE)

GRADING NOTES:
1.) CONTRACTOR TO VERIFY ALL ELEVATIONS AND DIMENSIONS BEFORE WORK IS TO BEGIN. VERIFY DIMENSIONS WITH ARCHITECTURAL DRAWINGS AND SECTIONS, NOTIFY ARCHITECT OF ANY CONFLICTS.

2.) CONTRACTOR VERIFY ALL EDGE OF PAVEMENTS WHERE PROPOSED PAVEMENTS CONNECTS TO EXISTING EDGE OF PAVEMENTS WHERE ELEVATIONS WERE NOT RECORDED. PROPOSED ELEVATIONS WERE INTERPOLATED BY FROM ELEVATIONS RECORDED.

3.) CONTRACTOR TO ENSURE THE ACCESSIBILITY ROUTE ALONG EXISTING AND PROPOSED SIDEWALKS TO COMPLY WITH ACCESSIBILITY STANDARDS.

MAXIMUM CROSS SLOPE OF SIDEWALK – 1:50 OR 2.0%
MAXIMUM LONGITUDINAL SLOPE OF SIDEWALK – 1:20 OR 5.0%
MAXIMUM CHANGES IN VERTICAL ELEVATION – 1/4"

ALSO SEE RAMP DETAILS FOR REQUIREMENTS FOR ACCESSIBILITY.

4.) FIELD VERIFY THE EXISTING BUILDING DIMENSIONS AND ELEVATIONS, PRIOR TO CONSTRUCTION.

5.) CONTRACTOR TO LOCATE ALL AREAS IN WHICH WATER IS COLLECTED AND GRADE AREAS TO PREVENT STANDING WATER.

6.) FIELD VERIFY THE EXISTENCE OF UTILITIES ON SITE SHOWN AND NOT SHOWN BEFORE WORK TO BEGIN.

7.) EXISTING LANDSCAPE NOT SHOWN, CONTRACTOR TO AVOID DAMAGING OR REMOVING EXISTING LANDSCAPING. EXISTING MAY BE RELOCATED OR OFFSET ELSEWHERE ON SITE.

* UNLESS OTHERWISE NOTED

USAGE	SIZE	*TYPE OF PIPE
FIRE WATERLINE	LESS THAN 4"	Per Building Code
FIRE WATERLINE	4" AND LARGER	C-900 PVC DR-14 200PSI CLASS

NOTE: ALL WATER AND SANITARY SEWER LINES ON SITE ARE PRIVATE.

GENERAL WATER/SEWER CONSTRUCTION NOTES:
1. ELECTRICAL AND GAS LINES SHALL BE 12" BELOW PUBLIC WATER & SANITARY (TYPICAL).
2. ALL WATER AND SEWER PIPES SHALL HAVE MINIMUM 3 FEET OF COVER
3. THE LOCATION OF ALL EXIST. SERVICE LINES SHOWN ARE APPROXIMATE.

GENERAL CONSTRUCTION NOTES:
1.) PROPOSED SITE UTILITIES, WATER, SANITARY, & ELECT, ARE SHOWN FOR INFORMATIONAL PURPOSE ONLY. REF MEP SHTS FOR MORE INFORMATION.

2.) CONTRACTOR TO VERIFY ALL FLOWLINES ON M.E.P. SITEPLAN & GRADING/DRAINAGE PLANS TO AVOID ANY PIPE CONFLICTS

3.) CONTRACTOR TO VERIFY FLOWLINES AT ALL TIE–IN POINTS AT THE BUILDING WITH M.E.P. DRAWINGS.

4.) THE LOCATION OF ALL EXIST. SERVICE LINES SHOWN ARE APPROXIMATE.

5.) CONTRACTOR SHALL OBTAIN ALL STATE & LOCAL PERMITS REQUIRED, INCLUDING BUT NOT LIMITED TxDOT PERMITS.

EXIST. UTILITIES TO REMAIN
DO NOT DAMAGE!
REPAIRS AT CONTRACTOR'S EXPENSE

CONTRACTOR TO IDENTIFY ALL EXISTING UTILITIES WITHIN CONSTRUCTION SITE SHOWN OR NOT SHOWN ON THIS DRAWING. FLAG AND PROTECT ALL EXISTING UTILITIES THROUGHOUT CONSTRUCTION ACTIVITIES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ANY AND ALL UTILITIES.

STATE OF TEXAS
BERNARDINO D. TRISTAN
117017
LICENSED PROFESSIONAL ENGINEER
Bernardino D. Tristan
Mar 10, 2022

Dimensional Plan & Grading Plan

10 0 10 20
Scale 1" = 10'

CALL BEFORE YOU DIG!! TEXAS ONE CALL SYSTEM 1-800-344-8377

Fittz&Shipman INC.
Consulting Engineers and Land Surveyors
T.B.P.E. Firm #1160 T.X.L.S. Firm #100186
1405 Cornerstone Court
Beaumont, TX. 77706
Ph. (409) 832-7238
Fax. (409) 832-7303
www.fittzshipman.com

FILE # 22013.000_CE_SITE PROJECT # 22013.000

Architectural Alliance Incorporated
350 Pine Street, Suite 720
Ste
Beaumont, Texas 77701
TEL (409) 866-7196
FAX (409) 866-1745
J. ROB CLARK, A.I.A.
RONALD M. JONES, A.I.A.
www.architecall.com

SILSBEE HIGH SCHOOL WELDING SHOP FINISH-OUT
Silsbee Independent School District
1575 Hwy 96 N
Silsbee, TX 77656

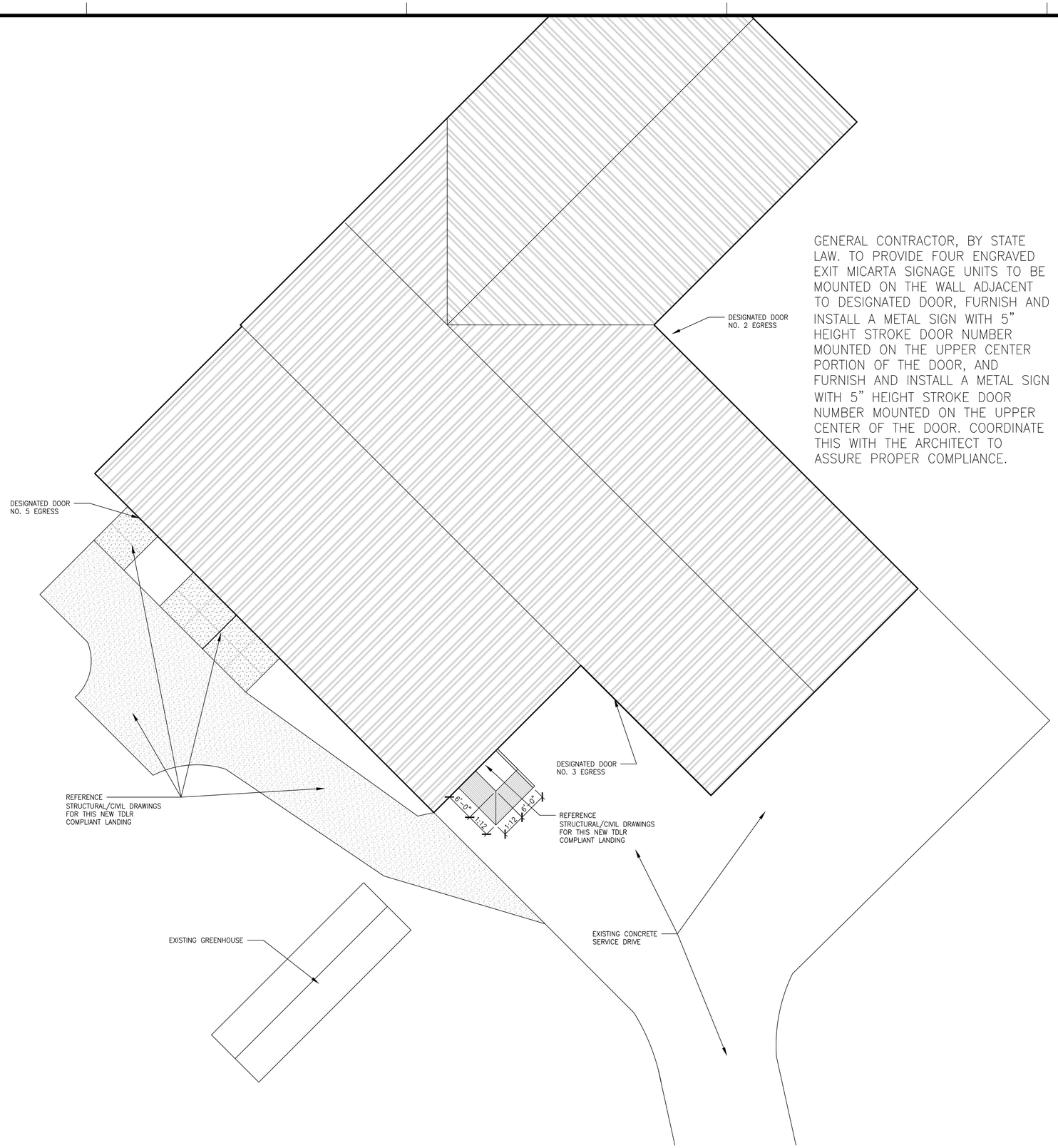
ISSUED FOR
SCHEMATIC DESIGN X
DATE: 1-12-2021
DESIGN DEVELOPMENT X
DATE: 2/2/2022
BIDS & CONSTRUCTION X
DATE: 3/7/2022
REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:

DRAWINGS SHEET TITLE
DIMENSIONAL & GRADING PLAN

SHEET NUMBER
C1.00

21051
PROJECT NUMBER

Q:\PROJECTS\22013 – Silsbee ISD Welding Shop\Civil\Drawings_Current\22013.000_CE_SITE.dwg Mar 10, 2022 10:53am



GENERAL CONTRACTOR, BY STATE LAW. TO PROVIDE FOUR ENGRAVED EXIT MICARTA SIGNAGE UNITS TO BE MOUNTED ON THE WALL ADJACENT TO DESIGNATED DOOR, FURNISH AND INSTALL A METAL SIGN WITH 5" HEIGHT STROKE DOOR NUMBER MOUNTED ON THE UPPER CENTER PORTION OF THE DOOR, AND FURNISH AND INSTALL A METAL SIGN WITH 5" HEIGHT STROKE DOOR NUMBER MOUNTED ON THE UPPER CENTER OF THE DOOR. COORDINATE THIS WITH THE ARCHITECT TO ASSURE PROPER COMPLIANCE.

N

CALLED NORTH

1 SITE PLAN
SCALE: 3/32" = 1'-0"

Architectural Alliance Incorporated
350 Pine Street, Suite 720
Ellison Plaza
Beaumont, Texas 77701
TEL (409) 866-7196
FAX (409) 866-1745
J. ROSS CLARK, A.I.A.
RONALD M. JONES, A.I.A.
www.architectall.com

REGISTERED ARCHITECT JAMES R. CLARK 8212 STATE OF TEXAS
3/17/2022

REGISTERED ARCHITECT RONALD M. JONES 13662 STATE OF TEXAS
3/17/2022

SILSBEE HIGH SCHOOL WELDING SHOP FINISH-OUT

Silsbee Independent School District

1575 Hwy 96 N

Silsbee, TX 77656

ISSUED FOR
SCHEMATIC DESIGN [X]
DATE: 1-12-2021
DESIGN DEVELOPMENT [X]
DATE: 2/2/2022
BIDS & CONSTRUCTION [X]
DATE: 3/7/2022
REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:

DRAWINGS SHEET TITLE
SITE PLAN

SHEET NUMBER
A001

21051
PROJECT NUMBER

SAVED: LEOT
PLOT: LEO TAN
PLOT DATE: 3/17/2022 12:06 PM
SHEET SIZE: ARCH expand D (36.00 x 24.00 Inches)

NEW GIRTS, KYNAR EXTERIOR "R" WALL PANELS, INTERIOR LINER METAL WALL PANELS AND BUILDING INTEGRATED VINYL FACED INSULATION SYSTEM

NEW TEA AND TDLR REQUIRED EXIT SIGNAGE AT DOOR MOUNTED HEIGHT PER TDLR STANDARDS SHEET NOTING "DOOR NO 5" AND PROVIDE AND INSTALL METAL SIGNAGE 5" MINIMUM CHARACTER HEIGHT READING "5" MOUNTED TO UPPER EXTERIOR FACE OF DOOR

NEW PAIR 3'-0" X 7'-0" GALVANIZED DOORS, FRAME, TDLR COMPLIANT PANIC BAR EXIT HARDWARE, THRESHOLD, OVERHEAD CLOSER, WEATHER STRIPPING AND CENTER REMOVABLE MULLION. REFERENCE STRUCTURAL/CIVIL DRAWINGS AND FOR NEW CONNECTING WALK AND SERVICE DRIVE

NEW WALL HUNG FIRE EXTINGUISER

PROVIDE POWER TO OWNER'S GRINDING STATIONS

NEW 25' WIDE x 15' TALL OVERHEAD MANUALLY OPERATED COILING DOOR ENGINEERED FOR REQUIRED WIND PRESSURE LOADS.

TYPICAL CONCRETE ELEVATED BASE FOR ALL EXISTING PRE-ENGINEERED STEEL BUILDING COLUMNS WHICH REQUIRED CONTRACTOR COORDINATION TO WRAP WALL GIRTS DOWN SIDES TO SECURE NEW EXTERIOR AND INTERIOR WALL PANELS, AND FLASHED/CAULKED TO CONCRETE TO PREVENT WATER INTRUSION TOWARDS THE INTERIOR.

NEW GIRTS, KYNAR EXTERIOR "R" WALL PANELS, INTERIOR LINER METAL WALL PANELS AND BUILDING INTEGRATED VINYL FACED INSULATION SYSTEM

NEW TEA AND TDLR REQUIRED EXIT SIGNAGE AT DOOR MOUNTED HEIGHT PER TDLR STANDARDS SHEET NOTING "DOOR NO 4" AND PROVIDE AND INSTALL METAL SIGNAGE 5" MINIMUM CHARACTER HEIGHT READING "4" MOUNTED TO UPPER EXTERIOR FACE OF DOOR

NOTE: PROVIDE TWO ADDITIONAL INTERIOR TDLR COMPLIANT EXIT SIGNAGE AND TWO ADDITIONAL EXTERIOR DOOR SIGN UNITS READING "2" AND THE SECOND READING "3", COORDINATE SIGNAGE DESIGN REQUIREMENT AND MOUNTING LOCATIONS WITH ARCHITECT PRIOR TO FABRICATION.

1 FLOOR PLAN
SCALE: 3/16" = 1'-0"

NEW 3'-6" X 7'-0" PAINTED GALVANIZED EXIT DOORS AND FRAME WITH TDLR COMPLIANT PANIC BAR EGRESS HARDWARE, WEATHERSTRIPPING, AND THRESHOLD

N
CALLED NORTH

STEEL STORAGE RACKS

18'-5"

35'-0"

EXISTING PAINT BOOTH AREA MUST BE SEALED OFF AIR-TIGHT FROM THE WELDING AREA AT INTERSECTION OF NEW ROOF AND WALL PANELS

NEW WALL HUNG FIRE EXTINGUISER

NOTE: THIS END OF THE EXISTING BUILDING TO REMAIN COMPLETELY OPEN FROM BOTTOM OF ROOF GIRTS TO FINISHED SLAB ELEVATION

EXISTING WELDING STATIONS RELOCATED BY G.C. FROM NEW BOY'S DRESSING ROOM

EXISTING WELDING STATIONS TO REMAIN IN-PLACE

EXISTING COILING DOORS

REMOVE EXISTING 4' DOOR AND HARDWARE LEAVING FRAME

NEW 7'-4" TALL 8" CMU REINFORCED WALL AND PAINTED GALVANIZED PAINTED STEEL 4' X 6'-8" CASED OPENING FRAMES LEAVING SPACE BETWEEN EXISTING CEILING FOR AIR FLOW. PROVIDE TDLR COMPLIANT SIGN NOTING "DRESSING"

UNDER ALTERNATE NO. 1
PROVIDE PRICE TO REMOVE EXISTING COILING DOOR AND FRAME AND INFILL OPENING WITH NEW STRUCTURAL GIRTS, VINYL FACED INSULATION, AND METAL SIDING EACH SIDE TO MATCH EXISTING

CONTRACTOR TO RELOCATE EXISTING AND NEW OWNER CONSTRUCTED WELDING LOCKER UNITS PLACED AS SHOWN THIS PLAN

CONTRACTOR REMOVE EXISTING LOCKER UNITS DASHED

OPTIONAL WELDING LOCKERS

12'-0" 5'-7" 7⅝" 9'-8" 7⅝" 7'-7"

WELDING SHOP 102

METAL SHOP 103

STORAGE 121

STORAGE 122

TOILET 123

OFF

BOY'S RESTROOM 113

AGRICULTURE CLASS 117

BOY'S LOCKER 112

GIRL'S RESTROOM AND LOCKERS 114

STORAGE 109

STORAGE 111

STORAGE 108

TOOLS 104

AUTO CLASS 106

AUTO SHOP 105

Architectural Alliance Incorporated
350 Pine Street, Suite 720
Ellison Plaza
Beaumont, Texas 77701
TEL (409) 866-7196
FAX (409) 866-1745
J. ROSS CLARK, A.I.A.
RONALD M. JONES, A.I.A.
www.architectall.com

REGISTERED ARCHITECT JAMES R. CLARK 8212 STATE OF TEXAS
3/17/2022

REGISTERED ARCHITECT RONALD M. JONES 13662 STATE OF TEXAS
3/17/2022

SILSBEE HIGH SCHOOL WELDING SHOP FINISH-OUT

Silsbee Independent School District

1575 Hwy 96 N
Silsbee, TX 77656

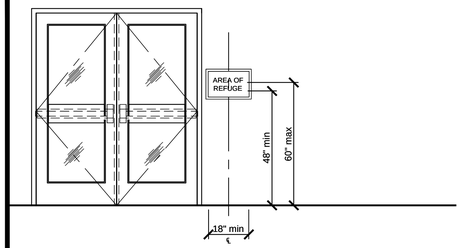
ISSUED FOR
SCHEMATIC DESIGN X
DATE: 1-12-2022
DESIGN DEVELOPMENT X
DATE: 2/2/2022
BIDS & CONSTRUCTION X
DATE: 3/7/2022
REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:

DRAWINGS SHEET TITLE
FLOOR PLAN

SHEET NUMBER
A101

21051
PROJECT NUMBER

SAVED: RDBC
PLOT: LEO TAN
PLOT DATE: 3/17/2022 12:06 PM
SHEET SIZE: ARCH expand D (36.00 x 24.00 inches)

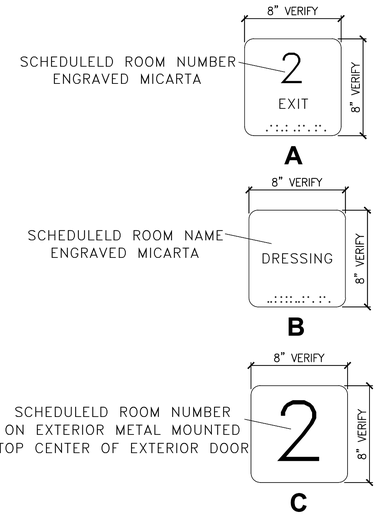


703.4.1 SIGN HEIGHT ABOVE FINISH FLOOR OR GROUND
TACTILE CHARACTERS ON SIGNS SHALL BE LOCATED 48" MIN. ABOVE FINISH FLOOR FROM THE BASELINE OF LOWEST TACTILE CHARACTER AND 60" MAX. ABOVE FINISH FLOOR FROM THE BASELINE OF HIGHEST TACTILE CHARACTER.

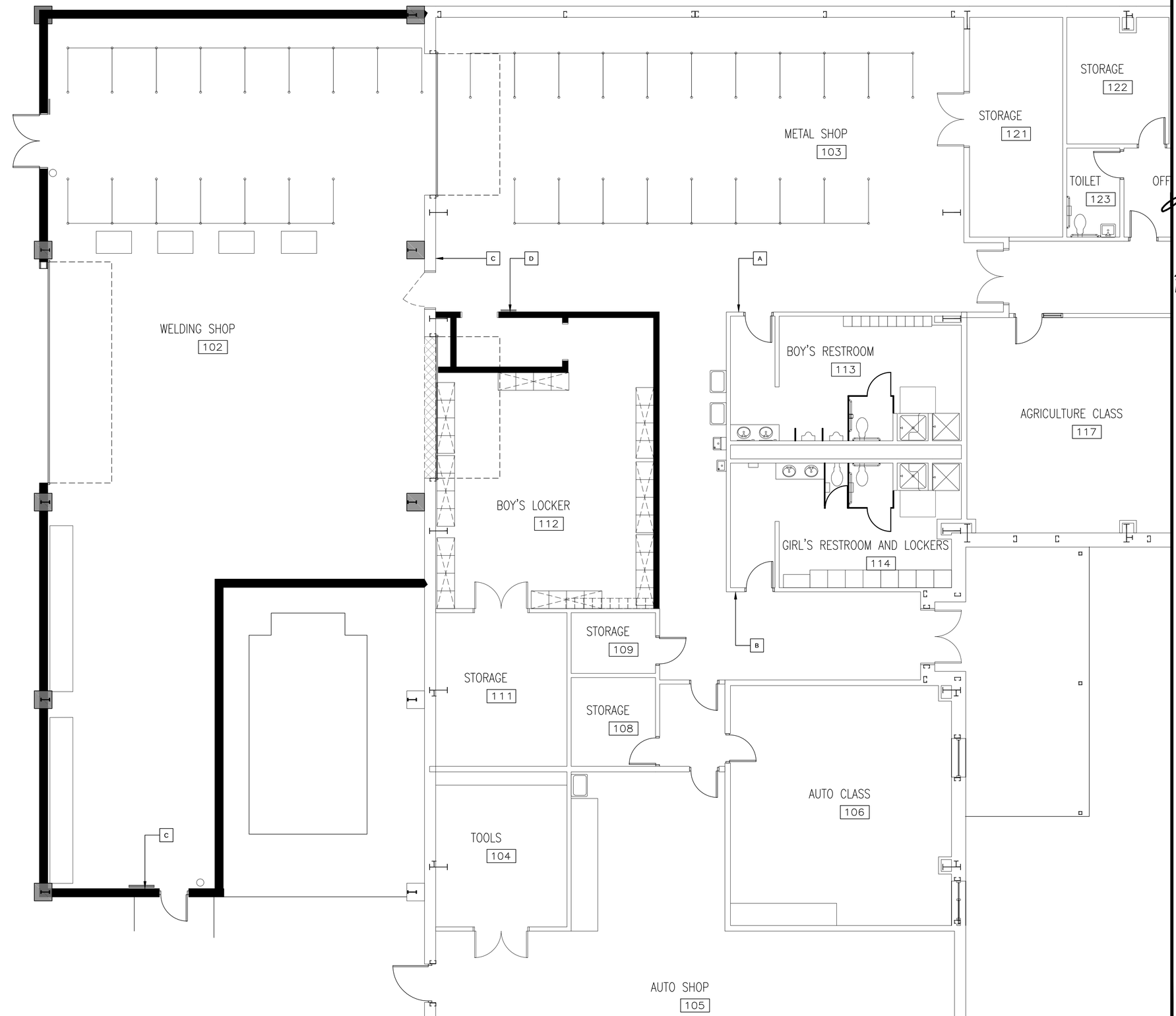
703.4.2 LOCATION
SIGN SHALL BE LOCATED ALONGSIDE THE DOOR AT LATCH SIDE. AT DOUBLE DOORS WITH ONE ACTIVE LEAF, LOCATE SIGN ON INACTIVE LEAF. AT DOUBLE DOORS WITH BOTH ACTIVE LEAVES, LOCATE SIGN AT THE RIGHT OF RIGHT HAND DOOR. WHERE NO WALL SPACE IS IS AVAILABLE, LOCATE SIGN AT THE NEAREST ADJACENT WALL. SIGNS CONTAINING TACTILE LETTERS SHALL BE LOCATED SO THAT A 18"X18" MIN. CLEAR FLOOR SPACE CENTERED ON TACTILE CHARACTERS, IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN A CLOSED POSITION AND A 45° OPEN POSITION.

SIGNAGE GENERAL NOTES

1. VERIFY ALL SIGNAGE WITH OWNER/ARCHITECT.
2. PROVIDE MICARTA SIGNAGE WITH ⅜" HIGH TEXT AND TDLR / TAS 2012 COMPLIANT BRAILLE. RAISED AND COLOR CONTRAST.
3. ALL ROOM SIGNAGE TO BE MOUNTED 4'-0" MIN TO BOTTOM OF TACTILE CHARACTERS ABOVE FINISH FLOOR TO ADA STANDARD AS DIRECTED BY ARCHITECT.
4. ALL ROOM SIGNAGE TO BE MOUNTED WITH A CLEAR FLOOR SPACE OF 18" x 18" MINIMUM CENTERLINE OF TACTILE CHARACTERS, BEYOND THE ARC OF THE DOOR SWING TO ADA STANDARD AS DIRECTED BY ARCHITECT.
5. ALL TEXT AND BRAILLE RAISED AND COLORS CONTRASTING. TO BE VERIFIED PRIOR TO PREPARATION OF SHOP DRAWINGS.
6. PROVIDE SCALED LAYOUT OF ALL SIGNAGE.
7. HUMAN FIGURE, FONT TYPE, FONT SIZE AND BRAILLE TEXT SHOWN FOR GRAPHIC REPRESENTATION PURPOSES ONLY.



1 SIGNAGE PLAN
SCALE: 3/16" = 1'-0"



N
CALLED NORTH

Architectural Alliance Incorporated
350 Pine Street, Suite 720
Ste
Beaumont, Texas 77701
TEL (409) 866-7196
FAX (409) 866-1745
J. ROSS CLARK, A.I.A.
RONALD M. JONES, A.I.A.
www.architectall.com

REGISTERED ARCHITECT JAMES R. CLARK 8212 STATE OF TEXAS
3/17/2022

REGISTERED ARCHITECT RONALD M. JONES 13662 STATE OF TEXAS
3/17/2022

SILSBEE HIGH SCHOOL WELDING SHOP FINISH-OUT
Silsbee Independent School District
1575 Hwy 96 N
Silsbee, TX 77656

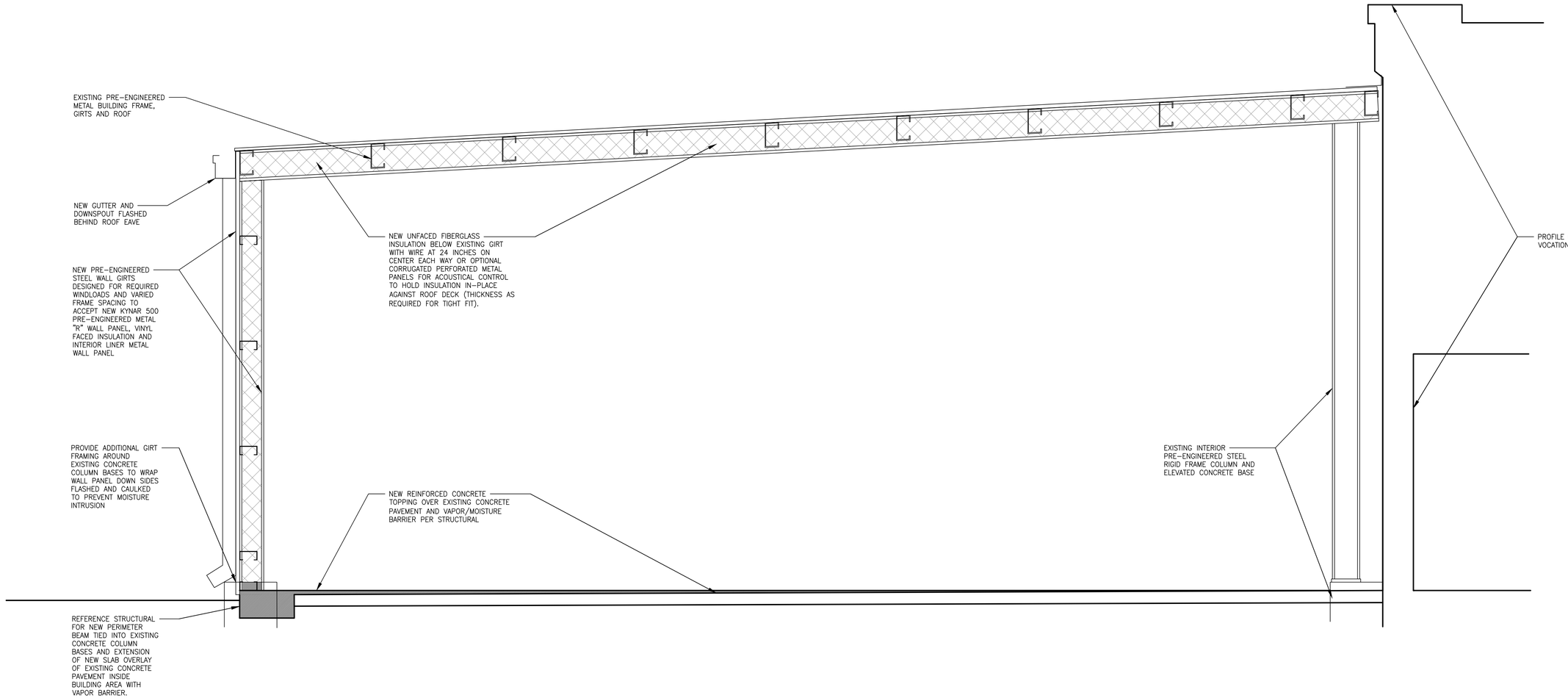
ISSUED FOR
SCHEMATIC DESIGN [X]
DATE: 1-12-2022
DESIGN DEVELOPMENT [X]
DATE: 2/2/2022
BIDS & CONSTRUCTION [X]
DATE: 3/7/2022
REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:

DRAWINGS SHEET TITLE
SIGNAGE PLAN

SHEET NUMBER
A102

21051
PROJECT NUMBER

SAVED: ROBC
PLOT: LEO TAN
PLOT DATE: 3/17/2022 12:07 PM
SHEET SIZE: ARCH expand D (36.00 x 24.00 Inches)



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

Architectural Alliance Incorporated
339 Pine Street, Suite 720
Edison Plaza
Beaumont, Texas 77701
TEL (409) 866-7196
FAX (409) 866-1745
J. ROSS CLARK, A.I.A.
RONALD M. JONES, A.I.A.
www.architectall.com

REGISTERED ARCHITECT JAMES R. CLARK 8212 STATE OF TEXAS
3/17/2022

REGISTERED ARCHITECT RONALD M. JONES 13662 STATE OF TEXAS
3/17/2022

SILSBEE HIGH SCHOOL WELDING SHOP FINISH-OUT

Silsbee Independent School District

1575 Hwy 96 N

Silsbee, TX 77656

ISSUED FOR
SCHEMATIC DESIGN [X]
DATE: 1-12-2022
DESIGN DEVELOPMENT [X]
DATE: 2/2/2022
BIDS & CONSTRUCTION [X]
DATE: 3/7/2022
REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:

DRAWINGS SHEET TITLE
BUILDING SECTIONS

SHEET NUMBER
A700

21051
PROJECT NUMBER

SAVED: LEOT
PLOT: LEO TAN
PLOT DATE: 3/17/2022 12:07 PM
SHEET SIZE: ARCH expand D (36.00 x 24.00 Inches)

GENERAL NOTES

BUILDING CODE

BUILDING CODE USED ····· IBC 2015

DESIGN LIVE LOADS

ROOF ····· 20 P.S.F.
WIND SPEED (3 SEC GUST, EXP. C, CAT. II) ····· 128 M.P.H.

COMPONENTS AND CLADDING
ZONE 4 ····· -22.1 P.S.F.
ZONE 5 ····· -27.2 P.S.F.

CONCRETE

CONCRETE FOR FOOTINGS SHALL NOT CONTAIN MORE THAN 20% FLY ASH. ALL OTHER CONCRETE SHOWN AND CALLED FOR ON S SHEETS SHALL NOT CONTAIN FLY ASH. CONCRETE FOR SLAB SHALL NOT CONTAIN ENTRAINED AIR. COMPRESSIVE STRENGTH OF CONCRETE TESTED AT 28 DAYS SHALL BE AS FOLLOWS:

FOOTINGS ····· ·3000 PSI (W/C = 0.50 MAX)
SLAB ON GRADE ····· ·3500 PSI (W/C = 0.45 MAX)
NON-COMPOSITE TOPPING SLAB ···· · 3000 PSI (W/C = 0.45 MAX, AGGREGATE SIZE ¾" MAX)

REINFORCING STEEL

ALL REINFORCING STEEL SHALL BE GRADE 60 (#2 AND #3 BARS AND ALL STIRRUPS AND TIES SHALL BE GRADE 40) AND SHALL CONFORM TO THE ASTM SPECIFICATIONS A615. DETAILING OF REINFORCING STEEL SHALL CONFORM TO THE AMERICAN CONCRETE INSTITUTE DETAILING MANUAL.

REINFORCING STEEL COVERAGE SHALL BE AS FOLLOWS:

GRADE BEAMS ····· 1 1/2" TOP, 3" BOTTOM, 2" SIDES (IF EARTH FORMED, BEAM WIDTH MUST BE INCREASED 2" TO PROVIDE 3" SIDE COVER, OUTSIDE FACE OF GRADE BEAM SHALL BE FULLY FORMED)

MISCELLANEOUS

FOOTINGS SHALL BE POURED IMMEDIATELY AFTER EXCAVATION.

THE CONTRACTOR SHALL COMPARE STRUCTURAL SECTIONS WITH ARCHITECTURAL SECTIONS AND REPORT ANY DISCREPANCY TO THE ARCHITECT PRIOR TO FABRICATION OR INSTALLING STRUCTURAL MEMBERS.

VERIFY ALL DIMENSIONS AND CONDITIONS OF EXISTING BUILDING AT THE JOB SITE.

PRE-ENGINEERED BUILDING

SEE PREFABRICATED BUILDING MANUFACTURER'S DRAWINGS FOR STEEL FRAMING. THE PREFABRICATED BUILDING ELEMENTS SHALL BE DESIGNED FOR LOADS PREVIOUSLY LISTED.

THE MAXIMUM DRIFT AND LATERAL DEFLECTION DUE TO WIND LOADS SHALL NOT EXCEED L/240 OF THE BUILDING HEIGHT.

ALL PRE-ENGINEERED BUILDING SHOP DRAWINGS SHALL BEAR THE SEAL OF AN ENGINEER CURRENTLY REGISTERED IN THE STATE OF TEXAS.

DESIGN CALCULATIONS SHALL BE SUPPLIED. THE CALCULATIONS SHALL BE SEALED AND SIGNED BY THE ENGINEER OF RECORD AND SHALL BE INDEXED AND TABBED FOR EASY REVIEW.

SUBGRADE / FILL / SITE PREPARATION

THE BUILDING AREA SHALL BE STRIPPED OF ALL VEGETATION, TOPSOIL, CONCRETE AND UNDERLYING POOR-QUALITY FILL. ANY ROOTS LARGER THAN ONE-HALF INCH IN DIAMETER SHALL BE GRUBBED. ALL SOFT SPOTS IN THE SUBGRADE SHALL BE EXCAVATED TO FIRM SOIL. THE EXPOSED SUBGRADE SHALL BE STRIPPED TO A DEPTH OF TWENTY FOUR INCHES (24"), SCARIFY THE SUBGRADE, AND MOISTURE CONDITIONED TO NOT LESS THAN THE OPTIMUM MOISTURE CONTENT. THE SUBGRADE SHALL BE COMPACTED TO 95 PERCENT OF THE MAXIMUM STANDARD PROCTOR DENSITY AS DETERMINED BY ASTM D 698.

A MINIMUM OF TWENTY FOUR INCHES (24") OF COMPACTED SELECT FILL SHALL BE PLACED BELOW THE FLOOR SLAB FROM THE PREPARED SUBGRADE TO THE BOTTOM OF THE SLAB. SELECT FILL MATERIAL SHALL BE EXTENDED 5 FEET BEYOND THE BUILDING PERIMETER INCLUDING THE COURTYARD. SELECT FILL SHALL BE COMPOSED OF A CLEAN, INACTIVE CLAY SOIL (NOT A SILT) WITH A PLASTICITY INDEX BETWEEN 10 AND 20. THE FILL SHALL BE PLACED IN THIN LIFTS NOT EXCEEDING EIGHT INCHES LOOSE MEASURE, MOISTURE CONDITIONED TO ABOVE OPTIMUM MOISTURE CONTENT, AND COMPACTED TO A MINIMUM OF 95 PERCENT OF THE MAXIMUM STANDARD PROCTOR DENSITY. TOTAL FILL THICKNESS MIGHT EXCEED THE MINIMUM AMOUNT OF FILL DEPENDING ON FINISH FLOOR ELEVATION AND EXISTING GRADES. REFER TO SITE SURVEY AND SITE DRAWINGS.

SOIL BEARING PRESSURE

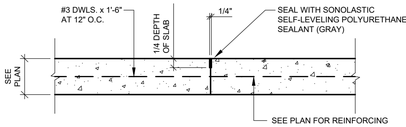
A SOIL BEARING PRESSURE OF 2500 P.S.F. FOR DEAD LOAD PLUS TOTAL LIVE LOAD WAS ASSUMED TO SIZE FOOTINGS.

REPRODUCTION NOTE

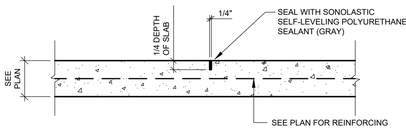
THE USE OF THESE CONTRACT DRAWINGS IN LIEU OF PREPARATION OF SHOP DRAWINGS CONSTITUTES ACCEPTANCE THAT ALL INFORMATION SHOWN HEREON IS CORRECT, AND CONSTITUTES ACCEPTANCE OF ANY JOB EXPENSE, REAL OR IMPLIED, ARISING DUE TO THEIR USE. SHOP DRAWINGS MAY NOT BE PRODUCED BY USING REPRODUCTIONS OF THESE CONTRACT DRAWINGS. ANY SHOP DRAWINGS SUBMITTED FOR APPROVAL, WHICH WERE PRODUCED IN THIS MANNER, WILL BE REJECTED.

USE OF CADD FILES

UPON THE SIGNING OF A RELEASE, FITTZ & SHIPMAN, INC. WILL PROVIDE CADD FILES STRIPPED OF TITLE BLOCKS AND SEALS. A FEE WILL BE ACCESSED IN ACCORDANCE WITH THE FOLLOWING FEE SCHEDULE:
MINIMUM CHARGE OF $100 FOR THE FIRST SHEET AND $50 FOR EACH ADDITIONAL SHEET. SALES TAX WILL BE ADDED TO THE ABOVE FEES UNLESS A SALES TAX EXEMPT CERTIFICATE IS PROVIDED. WHEN PLAN SHEETS ARE PRINTED ON MULTIPLE SHEETS THE FEE WILL BE ACCESSED PER PRINTED SHEET BUT ONE CADD FILE WILL BE PRESENTED.

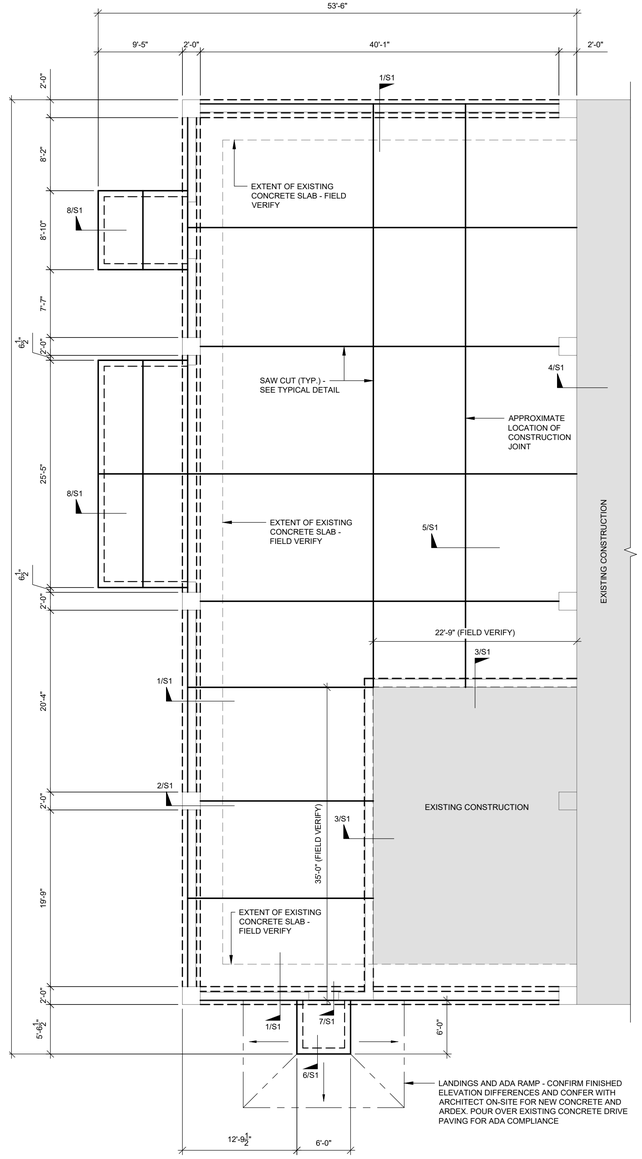


TYPICAL CONSTRUCTION JOINT DETAIL
SLAB ON GRADE



SAWED CONTROL JOINT

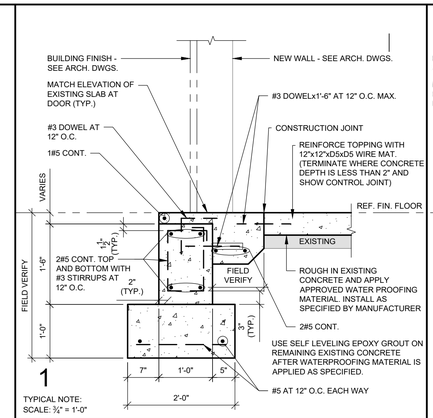
NOTE:
1. CONTROL JOINTS SHALL BE SAWED WITHIN 24 HOURS OF CONCRETE PLACEMENT. VERIFY LOCATIONS WITH ARCHITECT/ENGINEER PRIOR TO CONCRETE PLACEMENT.



FOUNDATION PLAN

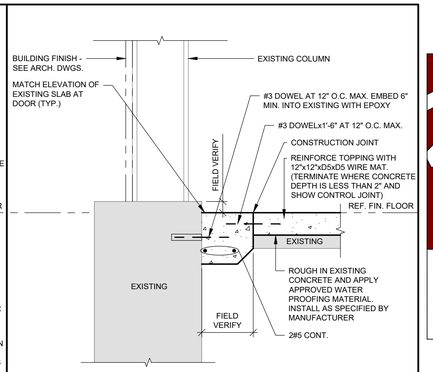
SCALE: 1/8" = 1'-0"

NOTES:

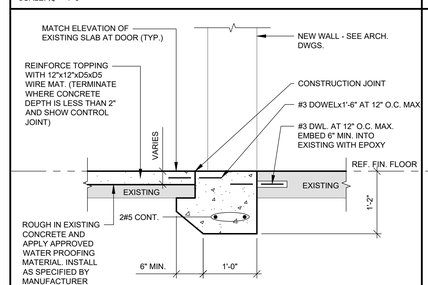


1

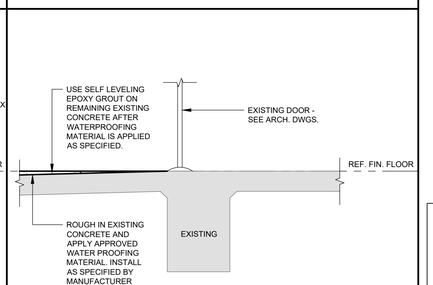
TYPICAL NOTE:
SCALE: ¾" = 1'-0"



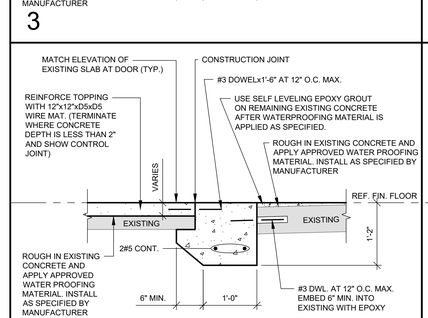
2



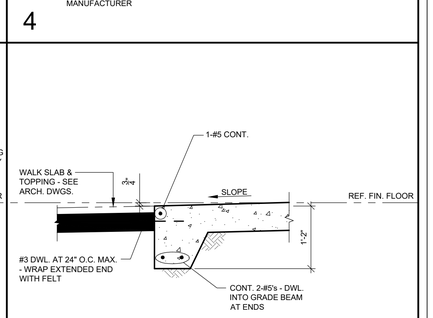
3



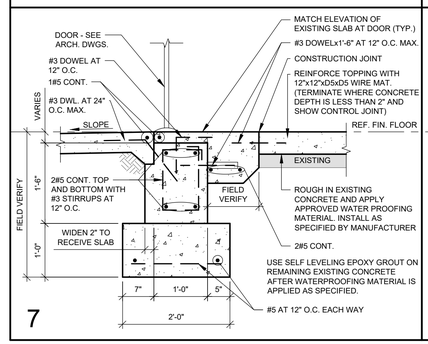
4



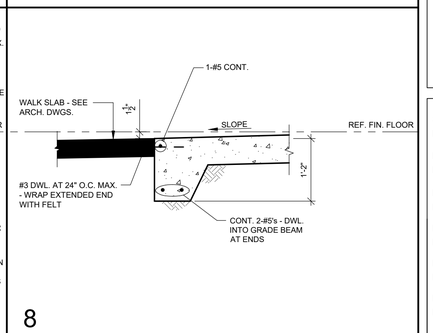
5



6



7



8

AAA Architectural Alliance Incorporated
350 Pine Street, Suite 720
Ellison Plaza
Beaumont, Texas 77701
TEL (409) 866-7196
FAX (409) 866-7145
J. ROS CLARK, A.I.A.
RONALD M. JONES, A.I.A.
www.architectall.com

JAMES R. CLARK, AIA
TEXAS REG.# 8212
DATE: 3/9/2022

THIS DOCUMENT MAY NOT BE USED FOR BIDDING, PERMIT, OR CONSTRUCTION PURPOSES.

RONALD M. JONES, AIA
TEXAS REG.# 13662
DATE: 3/9/2022

THIS DOCUMENT MAY NOT BE USED FOR BIDDING, PERMIT, OR CONSTRUCTION PURPOSES.

SILSBEE HIGH SCHOOL WELDING SHOP FINISH-OUT

Silsbee Independent School District

1575 Hwy 96 N
Silsbee, TX 77656

ISSUED FOR
SCHEMATIC DESIGN [X]
DATE: 1-12-2022
DESIGN DEVELOPMENT [ ]
DATE:
BIDS & CONSTRUCTION [ ]
DATE:
REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:

DRAWINGS SHEET TITLE
FOUNDATION PLAN

SHEET NUMBER
S1

21051
PROJECT NUMBER

STATE OF TEXAS
DANIEL A. DOTSON
109833
LICENSED PROFESSIONAL ENGINEER
Mar 09, 2022

FILE # 22013_SE_FDN PROJECT # 22013

Fittz & Shipman INC.
Consulting Engineers and Land Surveyors
1405 CORNERSTONE COURT BEAUMONT, TEXAS
(409)832-7238 FAX (409)832-7303
T.B.P.E. FIRM #1160 T.X.L.S. FIRM #100186

SAVED: OWNER
PLOT: ANDREW.LEBOEUF
PLOT DATE: 3/9/2022 1:46 PM
SHEET SIZE: ----

DEFINE

MECHANICAL ABBREVIATIONS

AD	ACCESS DOOR
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
APD	AIR PRESSURE DROP
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BTUH	BRITISH THERMAL UNITS PER HOUR
C	CONDENSATE
CFM	CUBIC FEET PER MINUTE
CT	CHILLER
CHS	CHILLED WATER SUPPLY
CHR	CHILLED WATER RETURN
COP	COEFFICIENT OF PERFORMANCE
CT	COOLING TOWER
CU	CONDENSING UNIT
CV	CONSTANT VOLUME
CS	CONDENSER WATER SUPPLY
CR	CONDENSER WATER RETURN
DB	DRY BULB
DOAS	DEDICATED 100% OUTSIDE AIR UNIT
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
ECO	EXTERIOR CLEANOUT
EDH	ELECTRIC DUCT HEATER
EER	ENERGY EFFICIENCY RATIO
EF	EXHAUST FAN
EMS	ENERGY MANAGEMENT SYSTEM
ESP	EXTERNAL STATIC PRESSURE
EUH	ELECTRIC UNIT HEATER
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EWT	ENTERING WATER TEMPERATURE
F	FAHRENHEIT
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FLA	FULL LOAD AMPS
FFE	FINISHED FLOOR ELEVATION
FPI	FINS PER INCH
HP	HORSEPOWER
HWS	HEATING HOT WATER SUPPLY
HWR	HEATING HOT WATER RETURN
KH	KITCHEN HOOD
KW	KILOWATT
LAT	LEAVING AIR TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
MBH	1000 BRITISH THERMAL UNITS PER HOUR
MVD	MANUAL VOLUME DAMPER
N.O.	NORMALLY OPEN
N.C.	NORMALLY CLOSED
NTS	NOT TO SCALE
NC	NOISE CRITERIA
OA	OUTSIDE AIR
OBD	OPPOSED BLADE DAMPER
PD	PRESSURE DROP
PHWR	PLANT HEATING HOT WATER RETURN
PHWS	PLANT HEATING HOT WATER SUPPLY
PRV	PRESSURE REDUCING VALVE
PSIG	POUNDS PER SQUARE INCH GAGE
RA	RETURN AIR
RH	RELATIVE HUMIDITY
RHC	REHEAT COIL
RPM	REVOLUTIONS PER MINUTE
RTU	ROOFTOP A/C UNIT
SA	SUPPLY AIR
SD	STORM DRAIN
SEER	SEASONAL ENERGY EFFICIENCY RATIO
SF	SUPPLY FAN
SP	STATIC PRESSURE
SWR	SIDE WALL REGISTER
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VAV	VARIABLE AIR VOLUME
VFD	VARIABLE FREQUENCY DRIVE
VRF	VARIABLE REFRIGERANT FLOW
WB	WET BULB
WG	WATER GAGE
WPD	WATER PRESSURE DROP

DESIGN

MECHANICAL LEGEND

GRILLES, REGISTERS, DIFFUSERS, AND LOUVERS

EXISTING	DEMO	NEW	DESCRIPTION
		A100	GRILLE DESIGNATION AND CFM
			SURFACE MOUNT
			LAY-IN SUPPLY CEILING DIFFUSER
			SUPPLY WALL DIFFUSER
			LINEAR SLOT DIFFUSER
			RETURN/EXHAUST CEILING GRILLE
			RETURN/EXHAUST WALL GRILLE
			EXHAUST LOUVER
			EXHAUST WALL CAP
			GRAVITY RELIEF HOOD
			INTAKE LOUVER
			INTAKE WALL CAP
			GRAVITY INTAKE HOOD

DUCTWORK

EXISTING	DEMO	NEW	DESCRIPTION
			RECTANGULAR DUCTWORK. REFER TO PLANS FOR SIZE.
			ROUND DUCTWORK. REFER TO PLANS FOR SIZE.
			ROUND DUCTWORK DROP/RISE.
			DUCT DROP/RISE

PIPING

EXISTING	DEMO	NEW	DESCRIPTION
CWS	CWS	CWS	CHILLED WATER SUPPLY PIPING
CWR	CWR	CWR	CHILLED WATER RETURN PIPING
HWS	HWS	HWS	HOT WATER SUPPLY PIPING
HWR	HWR	HWR	HOT WATER RETURN PIPING
CS	CS	CS	CONDENSER WATER SUPPLY PIPING
CR	CR	CR	CONDENSER WATER RETURN PIPING

DAMPERS

EXISTING	DEMO	NEW	DESCRIPTION
			BALANCING DAMPER
M	M	M	MOTORIZED DAMPER
FD	FD	FD	FIRE DAMPER
SD	SD	SD	SMOKE DAMPER
FDSD	FDSD	FDSD	FIRE & SMOKE DAMPER

EQUIPMENT

EXISTING	DEMO	NEW	DESCRIPTION
			MECHANICAL EQUIPMENT. REFER TO SCHEDULES
			IONIZATION UNIT
SD	SD	SD	SMOKE DETECTOR
MP	MP	MP	MANUAL PULL STATION

CONTROLS

EXISTING	DEMO	NEW	DESCRIPTION
T	T	T	THERMOSTAT
H	H	H	HUMIDISTAT
S	S	S	SENSOR
P	P	P	STATIC PRESSURE SENSOR
RS	RS	RS	REMOTE TEMPERATURE SENSOR
$	$	$	WALL SWITCH
			CONTROL WIRING

NOTES:
1. EXISTING ITEMS ON DEMO PLANS ARE "EXISTING TO REMAIN" UNLESS NOTED "EXISTING TO BE RELOCATED.
2. ITEMS ON NEW CONSTRUCTION PLANS ARE NEW UNLESS NOTED "RELOCATED FROM PREVIOUS LOCATION".
3. REFER TO SCHEDULES FOR GRILLE, REGISTER, DIFFUSER, AND LOUVER SIZES.
4. REFER TO DRAWINGS FOR DIRECTION OF AIRFLOW FOR DIFFUSERS. IF DIRECTIONAL ARROWS ARE NOT INCLUDED, AIRFLOW IS IN FOUR DIRECTIONS. (4-WAY GRILLE)
5. WALL MOUNTED CONTROL DEVICES SHALL BE MOUNTED AT 48" A.F.F.
6. NOT ALL ITEMS SHOWN ON THIS LIST MAY BE APPLICABLE TO THIS PROJECT.

DELIVER

MECHANICAL GENERAL NOTES

1. CONTRACTOR SHALL VISIT THE SITE AND DETERMINE THE EXTENT OF DEMOLITION WORK AND NEW WORK NEEDED FOR THIS PROJECT, PRIOR TO SUBMITTING BID.
2. CONTRACTOR SHALL BECOME FAMILIAR WITH THE PROJECT SCOPE, CONSTRAINTS, UTILITY CONNECTIONS, AND BUILDING SERVICES, PRIOR TO SUBMITTING BID.
3. CONTRACTOR SHALL GIVE FIRST RIGHT TO REFUSAL OF SALVAGE TO THE OWNER. IF THE OWNER ELECTS TO NOT KEEP SALVAGE, CONTRACTOR SHALL REMOVE SALVAGE BY LAWFUL MEANS.
4. DRAWINGS ARE SCHEMATIC AND DIAGRAMMATIC IN NATURE. DRAWINGS SHALL NOT BE SCALED. COORDINATE ROUTING OF SERVICES WITH SITE CONDITIONS AND WITH WORK OF OTHER TRADES.
5. FIELD VERIFY DIMENSIONS PRIOR TO ORDERING, FABRICATING, AND ERECTION OF MATERIAL AND/OR EQUIPMENT. NOTIFY THE ENGINEER OF DISCREPANCIES IN A TIMELY MANNER.
6. VERIFY CLEARANCE REQUIREMENTS AND ROUTING OF DUCTWORK AND PIPING PRIOR TO FABRICATION, AS MINOR MODIFICATIONS SUCH AS DUCT AND/OR PIPING RISES AND DROP MAY BE REQUIRED DUE TO FIELD CONDITIONS. MAKE MINOR MODIFICATIONS TO THE BUILDING, PIPING, SPRINKLER, DUCTWORK, ELECTRICAL, ETC. AS SHOWN ON THE DRAWINGS OR REQUIRED TO COMPLETE THE INSTALLATION OF A COMPLETED WORKABLE SYSTEM.
7. MAINTAIN WEATHER-TIGHT BARRIERS TO PREVENT DAMAGE FROM THE ELEMENTS DURING DEMOLITION AND NEW CONSTRUCTION PERIOD.
8. SEAL PENETRATIONS THROUGH THE BUILDING ENVELOPE.
9. PENETRATIONS THROUGH RATED WALLS, FLOORS, PARTITIONS AND ASSEMBLIES SHALL BE INSTALLED AND FIRESAFED TO MEET UL. FIRE RESISTANCE LISTING AND NFPA REQUIREMENTS FOR THE PENETRATION.
10. COORDINATE DEVICES REQUIRING ACCESS PANELS WITH THE ARCHITECT AND OTHER TRADES.
11. MAINTAIN MINIMUM CLEARANCE 10'-0" BETWEEN OUTSIDE INTAKES AND EXHAUST OUTLETS AND PLUMBING VENTS.
12. COORDINATE FINAL LOCATIONS AND ELEVATIONS WITH THE ARCHITECT PRIOR TO INSTALLATION.
13. COORDINATE FINAL FINISH COLORS OF MATERIALS, DEVICES, DIFFUSER, GRILLES, LOUVERS, AND/OR EQUIPMENT WITH THE ARCHITECT PRIOR TO ORDERING, FABRICATION AND INSTALLATION.
14. SCHEDULE UTILITY SERVICES SHUTDOWNS WITH OWNER AND ARCHITECT. MINIMIZE DISRUPTIONS AND DOWNTIME TO THE OWNER.
15. INSTALL DEVICES AND EQUIPMENT TO MEET ADA REQUIREMENTS.
16. ROUTE DUCT AND PIPING CONCEALED IN INTERSTITIAL SPACE UNLESS NOTED OTHERWISE.
17. DOCUMENT LOCATIONS OF DEVICES, DUCT, PIPING, AND EQUIPMENT ON "AS-BUILT" RECORD DRAWINGS AS PER THE SPECIFICATIONS.
18. PAY FOR SERVICE, DEPOSITS, INSPECTION, AND CONNECTION FEES REQUIRED FOR A COMPLETE INSTALLATION. COORDINATE WITH THE UTILITY SERVICE PROVIDER FOR THE REQUIREMENTS NEEDED FOR THIS PROJECT.
19. HVAC SYSTEMS SHALL BE CONSTRUCTED IN ACCORDANCE WITH NFPA 90A AND NFPA 101.
20. WORK SHOWN IN THE DRAWINGS SHALL COMPLY WITH APPLICABLE NATIONAL, STATE, AND LOCAL ORDINANCES AND CODES.

meconsulting.co

M&E CONSULTING
1304 BERTRAND DRIVE SUITE F7
LAFAYETTE, LOUISIANA 70506
(337) 234-7474 * FAX (337) 234-7774
Mechanical Contact: Dustin Duval dustin@meconsulting.com
Electrical Contact: David Carroll david@meconsulting.com
PROJECT No.: 21187.00

Architectural Alliance Incorporated
350 Pine Street, Suite 720
Edison Plaza
Beaumont, Texas 77701
TEL (409) 866-7196
FAX (409) 866-1745
J. ROB CLARK, A.I.A.
RONALD M. JONES, A.I.A.
www.architectall.com

STATE OF TEXAS
DUSTIN W. DUVAL
117604
LICENSED PROFESSIONAL ENGINEER
3/3/2022

SILSBEE HIGH SCHOOL WELDING SHOP FINISH-OUT
Silsbee Independent School District
1575 Hwy 96 N
Silsbee, TX 77656

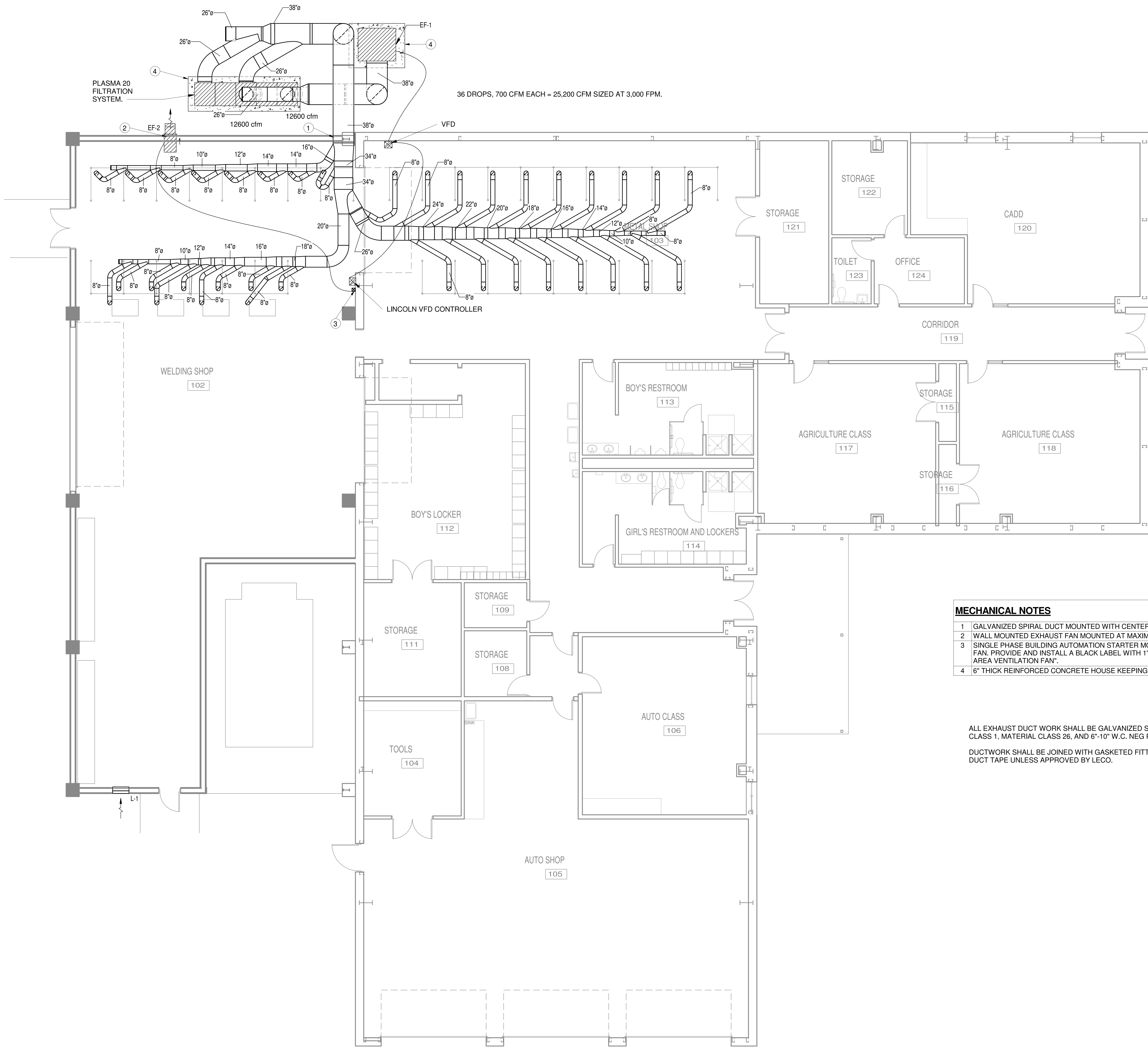
ISSUED FOR
SCHEMATIC DESIGN ☐
DATE:
DESIGN DEVELOPMENT ☐
DATE:
BIDS & CONSTRUCTION ☒
DATE: 3/9/2022
REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:

DRAWINGS SHEET TITLE
MECHANICAL LEGEND & NOTES

SHEET NUMBER
M000

21051
PROJECT NUMBER

SAVED: HOGAN
PLOT: KELLY LEBOUEF
PLOT DATE: 12/14/2021 12:29
SHEET SIZE: ARCH expand D (36.00 x 24.00 Inches)



1 Mechanical Plan
1/8" = 1'-0"   Refer to Architectural Drawings for All Dimensions

MECHANICAL NOTES

1	GALVANIZED SPIRAL DUCT MOUNTED WITH CENTERLINE AT 14'-0" AFF.
2	WALL MOUNTED EXHAUST FAN MOUNTED AT MAXIMUM HEIGHT AFF AND BELOW STRUCTURE.
3	SINGLE PHASE BUILDING AUTOMATION STARTER MOUNTED ON WALL FOR CONTROL OF WALL MOUNTED EXHAUST FAN. PROVIDE AND INSTALL A BLACK LABEL WITH 1" TALL WHITE CAPITAL LETTERS READING "ON/OFF SWITCH FOR AREA VENTILATION FAN".
4	6" THICK REINFORCED CONCRETE HOUSE KEEPING PAD.

ALL EXHAUST DUCT WORK SHALL BE GALVANIZED SPIRAL DUCT AND SHALL BE PER SMACNA CLASS 1, MATERIAL CLASS 26, AND 6"-10" W.C. NEG PRESSURE.

DUCTWORK SHALL BE JOINED WITH GASKETED FITTINGS. DO NOT USE EXTERNAL MASTIC OR DUCT TAPE UNLESS APPROVED BY LECO.

1304 BERTRAND DRIVE SUITE F7
LAFAYETTE, LOUISIANA 70506
(337) 234-7474 * FAX (337) 234-7774
Mechanical Contact: Dustin Duval
dustin@meconsulting.com
Electrical Contact: David Carroll
david@meconsulting.com
PROJECT No.: 21187.00
CONSULTING

Architectural Alliance Incorporated
350 Pine Street, Suite 720
Edison Plaza
Beaumont, Texas 77701
TEL (409) 866-7196
FAX (409) 866-1745
J. ROB CLARK, A.I.A.
RONALD M. JONES, A.I.A.
www.architectall.com

STATE OF TEXAS
DUSTIN W. DUVAL
117604
LICENSED
PROFESSIONAL ENGINEER
3/3/2022

SILSBEE HIGH SCHOOL WELDING SHOP FINISH-OUT

Silsbee Independent School District
1575 Hwy 96 N
Silsbee, TX 77656

ISSUED FOR
SCHEMATIC DESIGN ☐
DATE:
DESIGN DEVELOPMENT ☐
DATE:
BIDS & CONSTRUCTION ☒
DATE: 3/9/2022
REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:

DRAWINGS SHEET TITLE
MECHANICAL PLAN

SHEET NUMBER
M201

21051
PROJECT NUMBER

FAN SCHEDULE

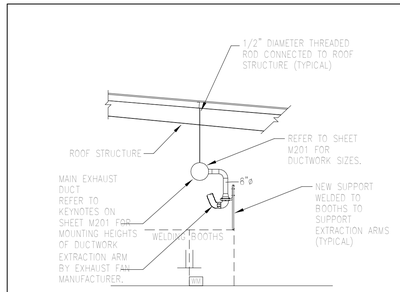
UNIT NO.	SERVICE	MIN. CFM	EXT. S.P.	RPM	FAN POWER	TYPE	DRIVE	ELECTRICAL SERVICE	CONTROL	BASIS OF DESIGN
EF-1	WELDING BOOTHS	25200	12"	1800	75 HP	INLINE UP-BLAST	DIRECT	480-3-60	VFD	LINCOLN ELECTRIC M18464-39
EF-2	WELDING ADDITION 102	1720	0.3"	1466	1/2 HP	WALL	DIRECT	120-1-60	FAN STARTER	GREENHECK SE1-16-421-VG

NOTES:
1. PROVIDE WALL MOUNTED PROPELLER TYPE FAN WITH BMS SINGLE PHASE MOTOR STARTER FOR ON/OFF CONTROL), GRAVITY BACKDRAFT DAMPER, MOTOR SIDE HOUSING WITH WIRE GUARD, WEATHER HOOD AND SPEED CONTROLLER FOR BALANCING.
2. EF-1: PROVIDE WITH TELESCOPING EXTRACTION ARM KIT, MANUAL BALANCING DAMPER, AND CONNECTION ACCESSORIES FOR EACH WELDING BOOTH AND GRINDING STATION
3. EF-1: PROVIDE WITH LINCOLN PRISM 20 FILTRATION UNIT, VFD, VFD CONTROLLER, AND FAN SILENCER.

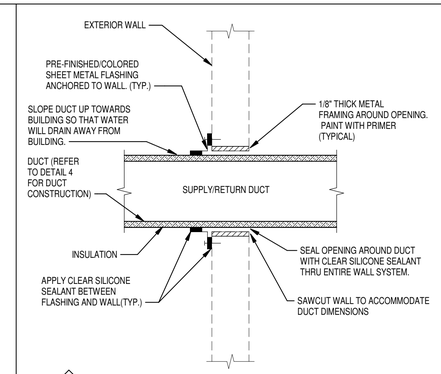
LOUVER SCHEDULE

SYMBOL	SERVICE	BLADE ORIENTATION	BPWP (FPM)	SIZE (W"XH"XD")	DESIGN FLOW (CFM)	FREE AREA MIN (SF)	AIR VEL. (FPM)	AIR P.D. (IN. WC)	AMCA 540/550	SCREEN (BIRD/INSECT)	BASIS OF DESIGN
L-1	WELDING SHOP 102	VERTICAL	1250	30"x30"X6"	1720	1.89	910	0.09	540/550	BIRD	RUSKIN EME6325D

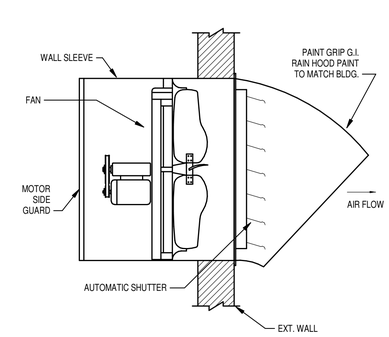
NOTES:
1. LOUVERS SHALL HAVE 70% KYNAR FINISH, COLOR TO BE SELECTED BY ARCHITECT.
2. LOUVERS AND LOUVER ACCESSORIES TO BE ALUMINUM.
3. LOUVERS TO MEET AMCA 540/550 RATINGS.
4. LOUVERS WITHIN METAL PANELS TO BE FULLY FLANGED (NO EXTENDED SILL), ALL OTHER MOUNTING SURFACES TO HAVE CHANNEL FRAME WITH EXTENDED SILLS. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT BUILDING MATERIALS.



1 EXTRACTION ARM DETAIL
NO SCALE



2 EXTERIOR WALL DUCT PENETRATION DETAIL
NO SCALE



3 FAN DETAIL (WALL TYPE PROP FAN)
NO SCALE

Architectural Alliance Incorporated
350 Pine Street, Suite 720
Ste 720
Beaumont, Texas 77701
TEL (409)
FAX (409)
J. RICHARD LANE, A.I.A.
RONALD M. JONES, A.I.A.
www.architectall.com

STATE OF TEXAS
DUSTIN W. DUVAL
117604
LICENSED
PROFESSIONAL ENGINEER
3/3/2022

SILSBEE HIGH SCHOOL WELDING SHOP FINISH-OUT

Silsbee Independent School District

1575 Hwy 96 N
Silsbee, TX 77656

ISSUED FOR
SCHEMATIC DESIGN ☐
DATE:
DESIGN DEVELOPMENT ☐
DATE:
BIDS & CONSTRUCTION ☒
DATE: 3/9/2022
REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:

DRAWINGS SHEET TITLE
MECHANICAL SCHEDULES & DETAILS

SHEET NUMBER
M301

21051
PROJECT NUMBER

1304 BERTRAND DRIVE SUITE F7
LAFAYETTE, LOUISIANA 70506
(337) 234-7474 * FAX (337) 234-7774
Mechanical Contact: Dustin Duval
dustin@meconsulting.com
Electrical Contact: David Carroll
david@meconsulting.com
PROJECT No.: 21187.00
CONSULTING

SAVED:
PLOTTED:
LEROJEFF
PLOT DATE: 12/14/2021
12:29
PLOT SIZE: ARCH expand D (36.00 x 24.00 inches)

DEFINE

DESIGN

DELIVER

ELECTRICAL ABBREVIATIONS

CT	DENOTES COUNTER-TOP-HEIGHT MOUNTED. CONTRACTOR TO VERIFY COUNTER TOP HEIGHT AND HEIGHT OF BACK SPLASH.
E	DENOTES EMERGENCY DEVICE
G	DENOTES GROUND FAULT INTERRUPTER PROTECTED
WP	DENOTES WEATHERPROOF
AFF	DENOTES ABOVE FINISHED FLOOR
C	DENOTES CONDUIT
A	DENOTES AMP
EWC	ELECTRICAL WATER COOLER
W	WALL MOUNTED-48" ABOVE FINISHED FLOOR OR AS NOTED
CB	CODE BLUE
IG	DENOTES ISOLATED GROUND
FDS	FUSED DISCONNECT SWITCH
BOF	BOTTOM OF FIXTURE
MRR	MANUFACTURER'S RECOMMENDED RATING
WR	WEATHER RESISTANT
VOJ	VERIFY ON JOB
VR	VANDAL RESISTANT
SPD	SURGE PROTECTION DEVICE - REFER TO SPECIFICATIONS.

ELECTRICAL LINE TYPE LEGEND

SCREENED LINES/SYMBOLS INDICATE EXISTING DEVICES TO REMAIN.

DASHED LINES/SYMBOLS INDICATE EXISTING DEVICES TO BE REMOVED OR RELOCATED.

BOLD LINES/SYMBOLS INDICATE NEW OR RELOCATED DEVICES.

ELECTRICAL LEGEND

SYMBOL	LIGHTING DESCRIPTION
	LIGHTING FIXTURE-REFER TO LIGHTING FIXTURE SCHEDULE
	LIGHTING FIXTURE-REFER TO LIGHTING FIXTURE SCHEDULE
	LIGHTING FIXTURE-REFER TO LIGHTING FIXTURE SCHEDULE
	LIGHTING FIXTURE-REFER TO LIGHTING FIXTURE SCHEDULE
	CEILING MOUNTED EXIT LIGHT - REFER TO LIGHTING FIXTURE SCHEDULE - ARROWS DEFINE DIRECTION
	WALL MOUNTED EXIT LIGHT - COORDINATE FINAL MOUNTING HEIGHT WITH THE ARCHITECT - REFER TO LIGHTING FIXTURE SCHEDULE - ARROWS DEFINE DIRECTION
	EMERGENCY LIGHT (8'-0" A.F.F. OR AS NOTED) - REFER TO LIGHTING FIXTURE SCHEDULE
	CEILING MOUNTED EGRESS LIGHT - REFER TO LIGHTING FIXTURE SCHEDULE
	PHOTOCELL
$	SINGLE POLE TOGGLE SWITCH (48" A.F.F. TO CENTER OF DEVICE OR AS NOTED)
$3	THREE-WAY TOGGLE SWITCH (48" A.F.F. TO CENTER OF DEVICE OR AS NOTED)
$D	WALL MOUNTED DIMMER SWITCH WITH ON/OFF AND 0-10V OUTPUT DIMMING. DIMMER MUST BE COMPATIBLE WITH BALLAST OR LED. REFER TO SPECIFICATIONS. PROVIDE ALL NECESSARY CONDUCTORS FOR COMPLETE OPERATING SYSTEM. (48" A.F.F. TO CENTER OF DEVICE OR AS NOTED)
$M	MOTOR RATED SWITCH (48" A.F.F. TO CENTER OF DEVICE OR AS NOTED). CONTRACTOR TO PROVIDE SWITCH TO DE-ENERGIZE EACH CURRENT CARRYING CONDUCTOR. LOCATE ADJACENT TO EQUIPMENT BEING SERVED IN A READILY ACCESSIBLE LOCATION.
$K	SINGLE POLE KEYED SWITCH (48" A.F.F. TO CENTER OF DEVICE OR AS NOTED)
$-	SWITCH (48" A.F.F. TO CENTER OF DEVICE OR AS NOTED) COORDINATE TYPE AND INSTALLATION REQUIREMENTS WITH MANUFACTURE. COORDINATE LOCATION WITH OWNER.
$	SINGLE POLE SWITCH. MOUNT IN DOOR SWING. LEE ELECTRIC: 210DN
$$	INBOARD AND OUTBOARD SWITCHING UNLESS NOTED OTHERWISE (48" A.F.F. TO CENTER OF DEVICE OR AS NOTED)
$T	SINGLE POLE DIGITAL PRESET COUNT DOWN TYPE TIMER SWITCH (48" A.F.F. TO CENTER OF DEVICE OR AS NOTED) SENSORSWITCH PTS 60 OR EQUAL
$	WALL MOUNTED OCCUPANCY SENSOR (48" AFF TO CENTER OF DEVICE OR AS NOTED) - REFER TO SPECIFICATIONS.
$$	WALL MOUNTED DOUBLE SWITCH OCCUPANCY SENSOR (48" AFF TO CENTER OF DEVICE OR AS NOTED) - REFER TO SPECIFICATIONS.
	CORNER MOUNTED OCCUPANCY SENSOR - MOUNTING HEIGHT TO BE DETERMINED PER MANUFACTURER'S RECCOMENDATIONS FOR OPTIMAL COVERAGE - MYTECH, WATT STOPPER

SYMBOL	POWER DESCRIPTION
	DUPLEX CONVENIENCE OUTLET (18" A.F.F. FOR GENERAL AREAS, 36" A.F.F. FOR GARAGES, HANGARS AND THE LIKE OR AS NOTED)
TV	TELEVISION OUTLET (VERIFY MOUNTING HEIGHT AND LOCATION WITH ARCHITECT)
EWC	ELECTRICAL WATER COOLER; COORDINATE ELECTRICAL DEVICE/OUTLET TYPE AND LOCATION WITH PLUMBING CONTRACTOR (CONCEAL OUTLET/DEVICE BEHIND COOLER) OUTLET TO BE GROUND FAULT INTERRUPTER PROTECTED.
MW	MICROWAVE OUTLET - RECESSED 20 AMP DUPLEX OUTLET. HUBBELL OR EQUAL. VERIFY EXACT MOUNTING LOCATION WITH OWNER/ACHITECT PRIOR TO ROUGH IN.
WH	WATER HEATER; COORDINATE ELECTRICAL OUTLET/DISCONNECT TYPE AND LOCATION WITH PLUMBING CONTRACTOR
SB	SMART BOARD OUTLET - SB DENOTES HEIGHT OF OUTLET PER OWNER
TR	DUPLEX CONVENIENCE OUTLET (18" A.F.F. OR AS NOTED) TR DENOTES TAMPER RESISTANT - HUBBELL: RR205TR, GFTR20 OR EQUAL.
U	COMBINATION RECEPTACLE/OUTLET AND DUAL USB CHARGER - LEVITON T5832 OR EQUAL. (18" A.F.F. OR AS NOTED)
	DOUBLE DUPLEX CONVENIENCE OUTLET (18" A.F.F. OR AS NOTED)
	SPECIAL OUTLET (VERIFY TYPE AND MOUNTING HEIGHT WITH EQUIPMENT MANUFACTURE)
	COUNTER TOP DUPLEX OUTLET (CLEAR BACK SPLASH)
	CEILING MOUNTED CORD REEL OUTLET - HUBBEL #HBL45123C20 OR APPROVED EQUAL
	MOTOR STARTER - PROVIDED BY MECHANICAL CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR.
	FLOOR BOX, POWER (COORDINATE FINAL LOCATION WITH OWNER/ARCHITECT PRIOR TO INSTALLATION) MINIMUM 2-3/4" CONDUITS TO ACCESSIBLE CEILING.
XX	FLOOR BOX, COMBINATION POWER/COMMUNICATIONS (COORDINATE FINAL LOCATION WITH OWNER/ARCHITECT PRIOR TO INSTALLATION. 2-1" CONDUITS IN SLAB TO 6" ABOVE ACCESSIBLE CEILING - PROVIDE BLANK PLATE OR XX DENOTES CABLE TYPE AND QUANTITY; P=PHONE, D=DATA, C=COAX REFER TO SPECIFICATIONS
J	JUNCTION BOX
J EMS	CONTROL POWER FOR ENERGY MANAGEMENT SYSTEM - PROVIDE OUTLET OR JUNCTION BOX AT LOCATION PER EMS CONTRACTOR
J HD	HAND DRYER - COORDINATE OUTLET/DEVICE TYPE WITH SUPPLIER. COORDINATE LOCATION WITH THE OWNER/ARCHITECT PRIOR TO ROUGH-IN.
	ELECTRICAL MOTOR (COORDINATE TERMINATION WITH SUPPLIER)
XX/Y ZZF	FUSED DISCONNECT SWITCH - FUSE AT MANUFACTURE RECOMMENDED RATING UNLESS NOTED OTHERWISE. XX DENOTES DISCONNECT SIZE, Y DENOTES PHASE, ZZF ZZ DENOTES FUSE SIZE.
	ELECTRICAL PANEL SURFACE MOUNTED
	ELECTRICAL PANEL FLUSH MOUNTED
TP	TELEPHONE/POWER POLE: COORDINATE EXACT MOUNTING LOCATION WITH FURNITURE MANUFACTURE. MAKE FINAL CONNECTIONS. REFER TO DETAIL. WIRE MOLD: 30TP-4V
	CONDUIT RUN CONCEALED IN WALL OR ABOVE CEILING
	CONDUIT RUN CONCEALED UNDER FLOOR OR BELOW GRADE
	HOMERUN TO ELECTRIC PANEL BOARD (INDICATED NUMBER OF CIRCUIT BY NUMBER OF ARROWS)
	THREE (3) CONDUCTORS RUN IN CONDUIT. EVERY CIRCUIT TO HAVE A GROUND, SHARED NEUTRAL IS NOT ALLOWED.
	FOUR (4) CONDUCTORS RUN IN CONDUIT. EVERY CIRCUIT TO HAVE A GROUND, SHARED NEUTRAL IS NOT ALLOWED.
	FIVE (5) CONDUCTORS RUN IN CONDUIT. EVERY CIRCUIT TO HAVE A GROUND, SHARED NEUTRAL IS NOT ALLOWED.
	FOUR (4) CONDUCTORS RUN IN CONDUIT, ONE CONDUCTOR DESIGNATED FOR ISOLATED GROUND
M	MOTORIZED DAMPER - PROVIDE BY OTHERS. ELECTRICALLY POWERED BY ELECTRICAL CONTRACTOR WHEN NOTED.
	START - STOP STATION - COORDINATE WITH EQUIPMENT PROVIDER.
VFD	VARIABLE FREQUENCY DRIVE PROVIDED BY MECHANICAL AND INSTALLED BY ELECTRICAL. MAINTAIN CLEARANCES PER NFPA 70
	INTERCOM DESCRIPTION
	CLOCK. D=DENOTES DOUBLE FACE, S=DENOTES SINGLE FACE - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CABLE/PULLSTRING IN 3/4" CONDUIT TO ACCESSIBLE CEILING
S	WALL MOUNTED SPEAKER - PROVIDE SPEAKER BACK BOX AND CABLING IN 3/4" CONDUIT TO ACCESSIBLE CEILING SPACE
IC	INTERCOM CONTROL STATION - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CABLE/PULLSTRING IN 3/4" CONDUIT TO ACCESSIBLE CEILING.
	TRUMPET SPEAKER - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CABLE/PULLSTRING IN 3/4" CONDUIT TO ACCESSIBLE CEILING. VERIFY HEIGHT WITH ENGINEER.

SYMBOL	SPECIAL SYSTEMS DESCRIPTION
V XX	COMMUNICATIONS OUTLET - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CABLE/PULLSTRING IN 1" CONDUIT TO ACCESSIBLE CEILING (18" A.F.F OR AS NOTED) - PROVIDE A BLANK PLATE OR XX DENOTES CABLE TYPE AND QUANTITY; P=PHONE, D=DATA, C=COAX REFER TO SPECIFICATIONS
TV XX	TELEVISION OUTLET-DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CABLE/PULLSTRING IN 1" C. TO ACCESSIBLE CEILING (VERIFY MOUNTING HEIGHT AND LOCATION WITH ARCHITECT) - PROVIDE BLANK PLATE OR XX DENOTES CABLE TYPE AND QUANTITY; P=PHONE, D=DATA, C=COAX REFER TO SPECIFICATIONS
DJ XX	DATA JACK ABOVE CEILING W/ 30' OF SLACK (FUTURE WIRELESS ACCESS POINT) XX - DENOTES CABLE QUANTITY
AV	AUDIO & VISUAL - DEEP 4" SQUARE DEEP DOUBLE GANG BOX WITH DOUBLE GANG PLASTER RING (MOUNT 18" A.F.F. V.O.J.) WITH 1 1/4" CONDUIT WITH CABLE/PULLSTRING TO A MINIMUM OF 6" ABOVE CEILING.
OP	OVERHEAD PROJECTOR - DEEP 4" SQUARE BOX INSTALLED ABOVE CEILING ADJACENT TO OVERHEAD PROJECTOR (SEE DETAIL)
AV	AUDIO & VISUAL - RECESSED FLOOR BOX - WIREMOLD RFB9 OR EQUAL (SEE DETAIL)
SB	SMART BOARD J-BOX - 4" SQUARE DEEP BOX WITH SINGLE GANG PLASTER RING WITH CABLE/PULLSTRING IN 3/4" CONDUIT TO ACCESSIBLE CEILING. (SEE DETAIL)
CS	CONTROL STATION - 4" SQUARE DEEP BOX WITH SINGLE GANG PLASTER RING WITH CABLE/PULLSTRING IN 3/4" CONDUIT TO ACCESSIBLE CEILING. (SEE DETAIL)
	FIRE ALARM DESCRIPTION
FP	FIRE ALARM PULL STATION - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CABLE IN 3/4" CONDUIT TO ACCESSIBLE CEILING (48" A.F.F. TO CENTER OF DEVICE)
VS	FIRE ALARM VALVE SUPERVISORY SWITCH- PROVIDE MONITORING MODULE FOR ALL VALVE SUPERVISORY SWITCHES, COORDINATE REQUIREMENTS, QUANTITIES, AND LOCATIONS WITH THE SPRINKLER CONTRACTOR
FFT	FIRE ALARM FLOW DETECTOR/SWITCH - PROVIDE MONITORING MODULE FOR ALL FLOW DETECTORS/SWITCHES, COORDINATE REQUIREMENTS, QUANTITIES, AND LOCATIONS WITH THE SPRINKLER CONTRACTOR
DH	MAGNETIC DOOR HOLDER - CONTRACTOR TO CONNECT TO 120V CIRCUIT. DOOR HOLDERS SHALL RELEASE UPON ACTIVATION OF THE FIRE ALARM SYSTEM
FACP	FIRE ALARM CONTROL PANEL
FAAP	FIRE ALARM ANNUNCIATOR PANEL - BACK BOX WITH 1" CONDUIT MINIMUM TO ACCESSIBLE CEILING
S	SMOKE DETECTOR - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CABLE IN 3/4" CONDUIT TO ACCESSIBLE CEILING.
SN	SINGLE STATION SMOKE DETECTOR 120 VOLT WITH BATTERY BACKUP AND INTERCONNECTED TO ALL SMOKE DETECTORS IN UNIT.
SD	FIRE ALARM DUCT DETECTOR
H	HEAT DETECTOR - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CABLE IN 3/4" CONDUIT TO ACCESSIBLE CEILING.
AM	ADDRESSABLE INPUT/OUTPUT MODULE
XX	FIRE ALARM WALL MOUNTED STROBE UNIT - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CABLE IN 3/4" CONDUIT TO ACCESSIBLE CEILING (MOUNTING HEIGHT AS PER NFPA 72, ALL DEVICES SHALL BE AT SAME HEIGHT) XX DENOTES CANDELA RATING
XX	FIRE ALARM CEILING MOUNTED STROBE - XX DENOTES CANDELA RATING
XX	FIRE ALARM WALL MOUNTED AUDIBLE/VISUAL DEVICE - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CABLE IN 3/4" CONDUIT TO ACCESSIBLE CEILING (MOUNTING HEIGHT AS PER NFPA) XX DENOTES CANDELA RATING
C XX	FIRE ALARM CEILING MOUNTED AUDIBLE/VISUAL DEVICE - XX DENOTES CANDELA RATING
	SECURITY SYSTEM DESCRIPTION
	SURVEILLANCE CAMERA - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CABLE/PULLSTRING IN 3/4" CONDUIT TO ACCESSIBLE CEILING. VERIFY HEIGHT WITH ENGINEER.
CR	CARD READER - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CABLE/PULLSTRING IN 3/4" CONDUIT TO ACCESSIBLE CEILING (48" A.F.F. TO CENTER OF DEVICE OR AS NOTED)
L	SECURITY SYSTEM MOTION DETECTOR - LONG RANGE - COORDINATE ROUGH-IN REQUIREMENTS WITH SECURITY SYSTEM PROVIDER.
W	SECURITY SYSTEM MOTION DETECTOR - WIDE RANGE - COORDINATE ROUGH-IN REQUIREMENTS WITH SECURITY SYSTEM PROVIDER.
K	SECURITY SYSTEM KEY PAD - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CABLE/PULLSTRING IN 3/4" CONDUIT TO ACCESSIBLE CEILING
	SECURITY SYSTEM DOOR CONTACT - COORDINATE ROUGH-IN REQUIREMENTS WITH SECURITY SYSTEM PROVIDER.
H	SECURITY SYSTEM HORN - DEEP 4" SQUARE BOX WITH SINGLE GANG PLASTER RING WITH CABLE/PULLSTRING IN 3/4" CONDUIT TO ACCESSIBLE CEILING.

NOTES:

1. ITEMS ON THIS SCHEDULE ARE NOT NECESSARILY SHOWN ON PLANS.

ELECTRICAL GENERAL NOTES

1. ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODE (NEC) AS WELL AS ANY LOCAL CODES AND ORDINANCES.
2. MAINTAIN PROPER WORKING SPACE CLEARANCES ABOUT ELECTRICAL EQUIPMENT PER NEC ARTICLE 110.26.
3. FULLY COORDINATE ALL ELECTRICAL REQUIREMENTS OF EQUIPMENT BEING FURNISHED BY ALL DIVISIONS UNDER THIS CONSTRUCTION CONTRACT. EACH SYSTEM SHALL BE COMPLETE AND FULLY FUNCTIONAL. THIS INCLUDES MECHANICAL, PLUMBING. OWNER PROVIDED AND CONTRACTOR PROVIDED EQUIPMENT. CONTRACTOR TO REFER TO EQUIPMENT INSTALLATION DOCUMENTS AND SHOP DRAWINGS PRIOR TO ANY ROUGH-IN.
4. CONTRACTOR SHALL COORDINATE CIRCUIT BREAKER AND FUSE SIZES FOR MECHANICAL EQUIPMENT PER SUBMITTED EQUIPMENT MANUFACTURER'S RECOMMENDED NAMEPLATE RATINGS PRIOR TO SHOP DRAWING PHASE OF PROJECT.
5. INTERRUPTION OF SERVICE: BEFORE ANY EQUIPMENT IS SHUT DOWN FOR DISCONNECTING OR TIE-INS, ARRANGEMENTS SHALL BE MADE WITH THE ARCHITECT AND THIS WORK SHALL BE DONE AT THE TIME BEST SUITED TO THE OWNER. OUTAGES MUST BE SCHEDULED THROUGH THE ARCHITECT. THE ARCHITECT SHALL REVIEW EXTENT, LENGTH, AND TIMING OF OUTAGES. SERVICES SHALL BE RESTORED THE SAME DAY. PROVIDE TEMPORARY POWER OR OTHER SERVICES AS REQUIRED DURING OUTAGES. ALL OVERTIME OR PREMIUM COSTS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN THE BASE BID.
6. COORDINATE LOCATION OF ELECTRICAL EQUIPMENT WITH PIPES AND DUCT WORK BEING SUPPLIED BY OTHER DIVISIONS. THE EQUIPMENT SPACE INCLUDED ALL REFERENCED NEC CLEARANCES SHALL BE MAINTAINED. IF ANY PIPES OR DUCT WORK VIOLATE ANY ELECTRICAL CLEARANCE REQUIREMENTS, IT SHALL BE REMOVED AND RELOCATED AT THE CONTRACTOR'S EXPENSE. DRIP PANS ARE NOT PERMITTED UNLESS SPECIFICALLY CALLED FOR IN THE CONSTRUCTION DOCUMENTS.
7. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SEE THAT ALL EQUIPMENT THAT MAY REQUIRE MAINTENANCE AND OPERATION ARE READILY ACCESSIBLE, REGARDLESS OF THE DIAGRAMMATIC LOCATION SHOWN ON THE DRAWINGS. ALL CONNECTIONS TO FIXTURES AND EQUIPMENT SHOWN ON THE DRAWINGS SHALL BE CONSIDERED DIAGRAMMATIC UNLESS OTHERWISE INDICATED BY A SPECIFIC DETAIL ON THE DRAWINGS. THE ACTUAL CONNECTIONS SHALL BE MADE TO FULLY SUIT THE REQUIREMENTS OF EACH CASE AND ADEQUATELY PROVIDE FOR SERVICING.
8. CONTRACTOR SHALL TAMP AND BACKFILL ALL TRENCHES. TRENCHES SHALL BE LEVEL WITH FINISH GRADE.
9. CONTRACTOR SHALL VISIT THE SITE AND DETERMINE THE EXTENT OF DEMOLITION WORK AND NEW WORK NEEDED FOR THIS PROJECT.
10. CONTRACTOR SHALL BECOME FAMILIAR WITH THE PROJECT SCOPE, CONSTRAINTS, UTILITY CONNECTIONS, AND BUILDING SERVICES.
11. CONTRACTOR SHALL GIVE FIRST RIGHT TO REFUSAL OF SALVAGE TO THE OWNER. IF THE OWNER ELECTS TO NOT KEEP SALVAGE, CONTRACTOR SHALL REMOVE SALVAGE BY LAWFUL MEANS.
12. DRAWINGS ARE SCHEMATIC AND DIAGRAMMATIC IN NATURE. DRAWINGS SHALL NOT BE SCALED. COORDINATE ROUTING OF SERVICES WITH SITE CONDITIONS AND WITH WORK OF OTHER TRADES.
13. FIELD VERIFY DIMENSIONS PRIOR TO ORDERING, FABRICATING, AND ERECTION OF MATERIAL AND/OR EQUIPMENT. NOTIFY THE ENGINEER OF DISCREPANCIES IN A TIMELY MANNER.
14. SEAL PENETRATIONS THROUGH THE BUILDING ENVELOPE.
15. PENETRATIONS THROUGH RATED WALLS, FLOORS, PARTITIONS AND ASSEMBLIES SHALL BE INSTALLED AND FIRESAFED TO MEET UL. FIRE RESISTANCE LISTING AND NFPA REQUIREMENTS FOR THE PENETRATION.
16. COORDINATE DEVICES REQUIRING ACCESS PANELS WITH THE ARCHITECT AND OTHER TRADES.
17. DEVICE SYMBOLS ALONG WITH DRAWINGS, DRAWING NOTES, AND SPECIFICATIONS ARE INTENDED TO PROVIDE A COMPLETE SYSTEM. CONTRACTOR TO COORDINATE WITH ALL TRADES TO PROVIDE A COMPLETE SYSTEM.

1304 BERTRAND DRIVE SUITE F7
LAFAYETTE, LOUISIANA 70506
(337) 234-7474 * FAX (337) 234-7774
Mechanical Contact: Dustin Duval
dustin@meconsulting.com
Electrical Contact: David Carroll
david@meconsulting.com
PROJECT No.: 21187.00
M&E CONSULTING

Architectural Alliance Incorporated
350 Pine Street, Suite 720
Beaumont, Texas 77701
TEL (409) 832-1176
FAX (409) 866-1745
J. ROSS CLARK, A.I.A.
RONALD J. MACKS, A.I.A.
www.architectall.com

STATE OF TEXAS
DAVID CARROLL
137373
LICENSED
PROFESSIONAL ENGINEER
3/3/2022

SILSBEE HIGH SCHOOL WELDING SHOP FINISH-OUT

Silsbee Independent School District

1575 Hwy 96 N
Silsbee, TX 77656

ISSUED FOR
SCHEMATIC DESIGN ☐
DATE:
DESIGN DEVELOPMENT ☐
DATE:
BIDS & CONSTRUCTION ☒
DATE: 3/9/2022
REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:

DRAWINGS SHEET TITLE
ELECTRICAL LEGEND

SHEET NUMBER
E000

21051
PROJECT NUMBER

GENERAL ELECTRICAL DEMOLITION NOTES:

1. THE CONTRACTOR IS ALLOWED TO RE-USE EXISTING DEVICES, DISCONNECTS, & PANELS IF THE EQUIPMENT IS IN GOOD WORKING CONDITION. THE CONTRACTOR SHALL CLEAN & REPAIR THE EXISTING DEVICES AS NEEDED IF THE CONTRACTOR CHOOSES TO RE-USE.

2. REMOVE EXISTING LIGHT FIXTURES, DISCONNECTS, OUTLETS, BOXES, WIRING, CONDUIT, ETC. AND OFFER TO OWNER. IF OWNER REFUSES, ELECTRICAL CONTRACTOR SHALL REMOVE FROM SITE AND PROPERLY AND LEGALLY DISPOSE.

3. REMOVE PANELS, ASSOCIATED CIRCUITS, AND FEEDER.

4. REMOVE EXISTING DEVICES FROM WALLS BEING DEMOLISHED. IF THEY OCCUR IN THE MIDDLE OF A CIRCUIT, MAKE THE REMAINDER OF THE CIRCUIT CONTINUOUS.

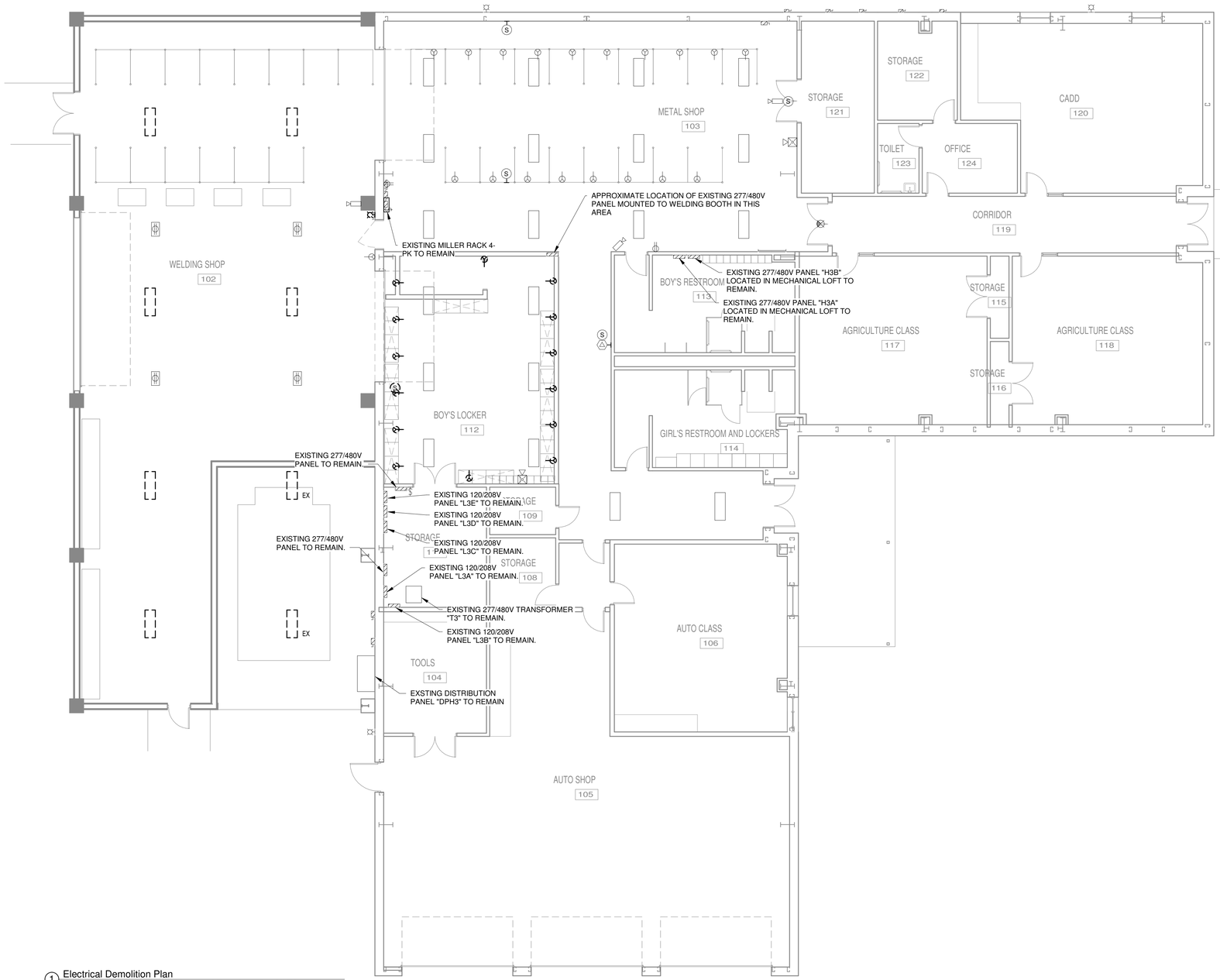
5. RELOCATE EXISTING DEVICE AND EXTEND EXISTING CIRCUITRY.

6. MAINTAIN ALL REMAINING EXISTING CIRCUITS WHERE INTERRUPTED BY DEMOLITION WORK. PROVIDE WIRING AND CONDUIT TO RESTORE CONTINUOUS CIRCUIT INTEGRITY.

7. PROTECT EXISTING ELECTRICAL EQUIPMENT AND INSTALLATIONS INDICATED TO REMAIN. IF DAMAGED OR DISTURBED IN THE COURSE OF THE WORK, REMOVE DAMAGED PORTIONS AND INSTALL NEW PRODUCTS OF EQUAL CAPACITY, QUALITY, AND FUNCTIONALITY.

8. CONTACT TEXAS ONE CALL FOR IDENTIFICATION OF ALL UNDERGROUND UTILITIES PRIOR TO REMOVAL.

9. EXISTING ROUTING OF CIRCUITS/FEEDERS ARE INDICATED ON DRAWINGS FOR REFERENCE ONLY. CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXACT LOCATIONS OF FEEDERS/CIRCUITS PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL BARE ALL COST OF RESTORING EXISTING ELECTRICAL FUNCTIONALITY SHOULD ANY EXISTING UNDERGROUND ELECTRICAL UTILITIES BE DAMAGED DURING THE COURSE OF CONSTRUCTION.



1 Electrical Demolition Plan
1/8" = 1'-0" Refer to Architectural Drawings for All Dimensions

N
CALLED NORTH

AAI Architectural Alliance Incorporated
350 Pine Street, Suite 720
Beaumont, Texas 77701
TEL (409) 832-7799
FAX (409) 866-1745
J. REID CLARK, A.I.A.
RONALD L. KELLY, A.I.A.
www.architectall.com

STATE OF TEXAS
DAVID CARROLL
137373
LICENSED PROFESSIONAL ENGINEER
3/3/2022

SILSBEE HIGH SCHOOL WELDING SHOP FINISH-OUT

Silsbee Independent School District

1575 Hwy 96 N
Silsbee, TX 77656

ISSUED FOR
SCHEMATIC DESIGN ☐
DATE:
DESIGN DEVELOPMENT ☐
DATE:
BIDS & CONSTRUCTION ☒
DATE: 3/9/2022
REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:

DRAWINGS SHEET TITLE
ELECTRICAL DEMOLITION PLAN

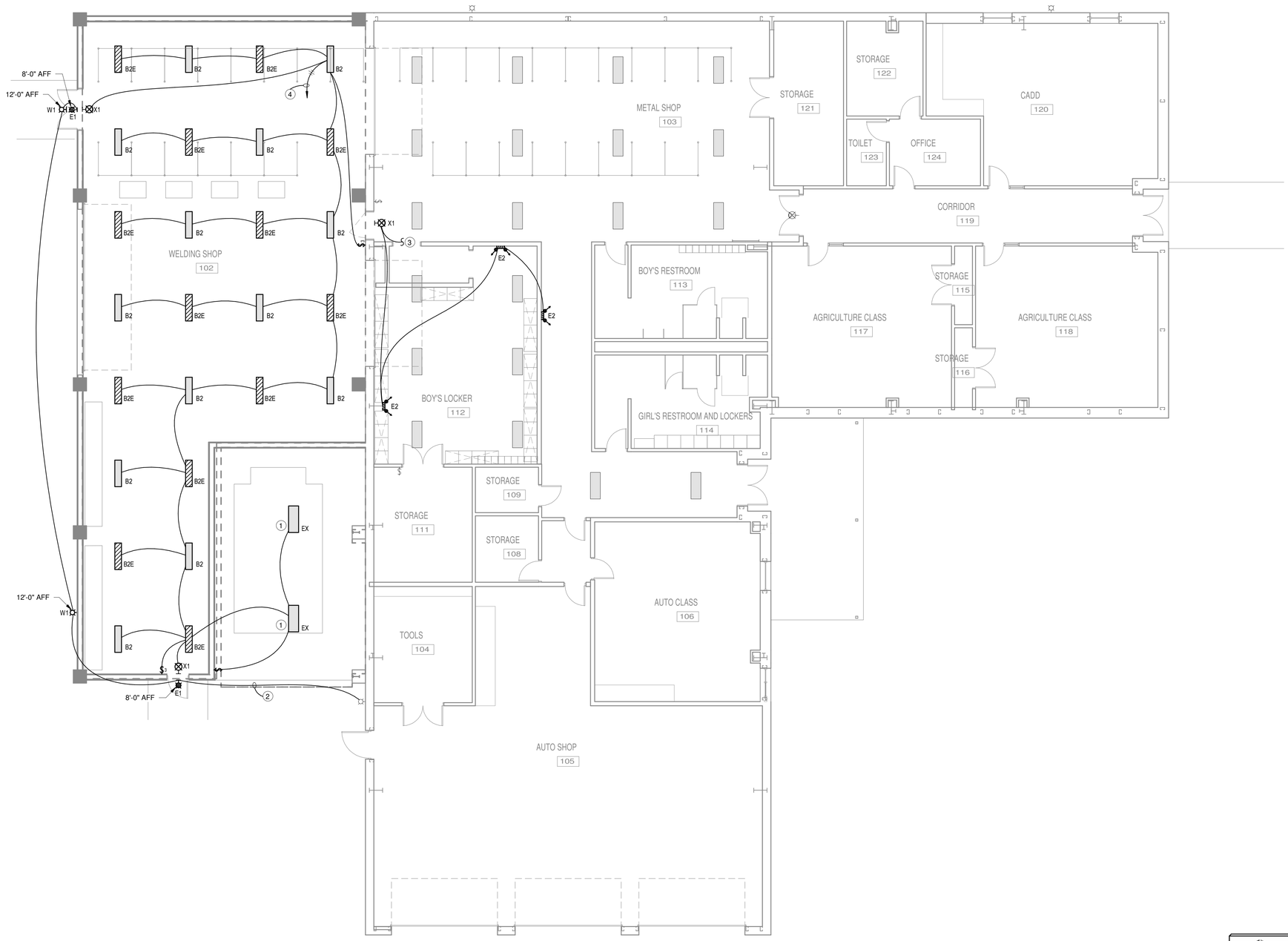
SHEET NUMBER
E100

21051
PROJECT NUMBER

1304 BERTRAND DRIVE SUITE F7
LAFAYETTE, LOUISIANA 70506
(337) 234-7474 * FAX (337) 234-7774
Mechanical Contact: Dustin Duval
dustin@meconsulting.com
Electrical Contact: David Carroll
david@meconsulting.com
PROJECT No.: 21187.00
CONSULTING

LIGHTING FIXTURE SCHEDULE

TYPE MARK	DESCRIPTION	LAMP No.	LAMP TYPE	VOLTS	MANUFACTURER	MODEL	COMMENTS
B2	4' LED LOW BAY	-	LED	277	LITHONIA	UFIT-L48-10000LM-SEF-MVOLT-GZ10-40K-80CRI	
B2E	4' LED LOW BAY W/ BATTERY BACKUP	-	LED	277	LITHONIA	UFIT-L48-10000LM-SEF-MVOLT-GZ10-40K-80CRI; ILB-CP10-HE-A	
E1	EMERGENCY LED WALL LIGHT	-	LED	277	LITHONIA	AFB-OEL-FINISH-UVOLT-N-WT	FINISH TO BE SELECTED BY ARCHITECT
E2	EMERGENCY LED WALL LIGHT	-	LED	277	LITHONIA	ELM4L-FINISH-UVOLT	FINISH TO BE SELECTED BY ARCHITECT
EX	EXISTING FIXTURE TO BE RE-USED						
W1	EXTERIOR LED WALL LIGHT	-	LED	277	LITHONIA	TWX1-ALO-40K-MVOLT-FINISH	FINISH TO BE SELECTED BY ARCHITECT
X1	SINGLE FACE EXIT LIGHT	-	LED	277	LITHONIA	LE-S-1-R-EL N	



1 Lighting Plan
1/8" = 1'-0" Refer to Architectural Drawings for All Dimensions

CALLED NORTH

GENERAL LIGHTING NOTES:

1.) HATCHED FIXTURES INDICATE EMERGENCY BATTERY PACK FIXTURES. CIRCUIT BATTERY PACKS AHEAD OF SWITCHES.

LIGHTING NOTES

1	EXISTING FIXTURE TO BE RE-USED.
2	TIE TO EXISTING EXTERIOR LIGHTING CIRCUIT.
3	1/2" CONDUIT WITH 3#12 TO EXISTING LIGHTING CIRCUIT IN THIS AREA.
4	1/2" CONDUIT WITH 3#12 TO SPARE 20/1 BREAKER IN PANEL "H3A"

Architectural Alliance Incorporated
350 Pine Street, Suite 720
Beaumont, Texas 77701
TEL (409) 832-7796
FAX (409) 866-1745
J. REID CLARK, A.I.A.
RONALD J. MOSS, A.I.A.
www.archtectall.com

STATE OF TEXAS
DAVID CARROLL
137373
LICENSED
PROFESSIONAL ENGINEER
3/3/2022

SILSBEE HIGH SCHOOL WELDING SHOP FINISH-OUT

Silsbee Independent School District

1575 Hwy 96 N
Silsbee, TX 77656

ISSUED FOR
SCHEMATIC DESIGN ☐
DATE:
DESIGN DEVELOPMENT ☐
DATE:
BIDS & CONSTRUCTION ☒
DATE: 3/9/2022
REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:

DRAWINGS SHEET TITLE
LIGHTING PLAN

SHEET NUMBER
E201

21051
PROJECT NUMBER

1304 BERTRAND DRIVE SUITE F7
LAFAYETTE, LOUISIANA 70506
(337) 234-7474 * FAX (337) 234-7774
Mechanical Contact: Dustin Duval
dustin@meconsulting.com
Electrical Contact: David Carroll
david@meconsulting.com
PROJECT No.: 21187.00
CONSULTING

SAVED:
PLOTTED:
LEROJUEF
DATE: 12/14/2021
12:29
SHEET SIZE: ARCH expand D (36.00 x 24.00 inches)

GENERAL ELECTRICAL NOTES:

1. CONTRACTOR SHALL VERIFY FINAL LOCATIONS AND MOUNTING HEIGHTS OF RECEPTACLES LOCATED IN AND AROUND THE WELDING BOOTHS WITH THE WELDING INSTRUCTOR.

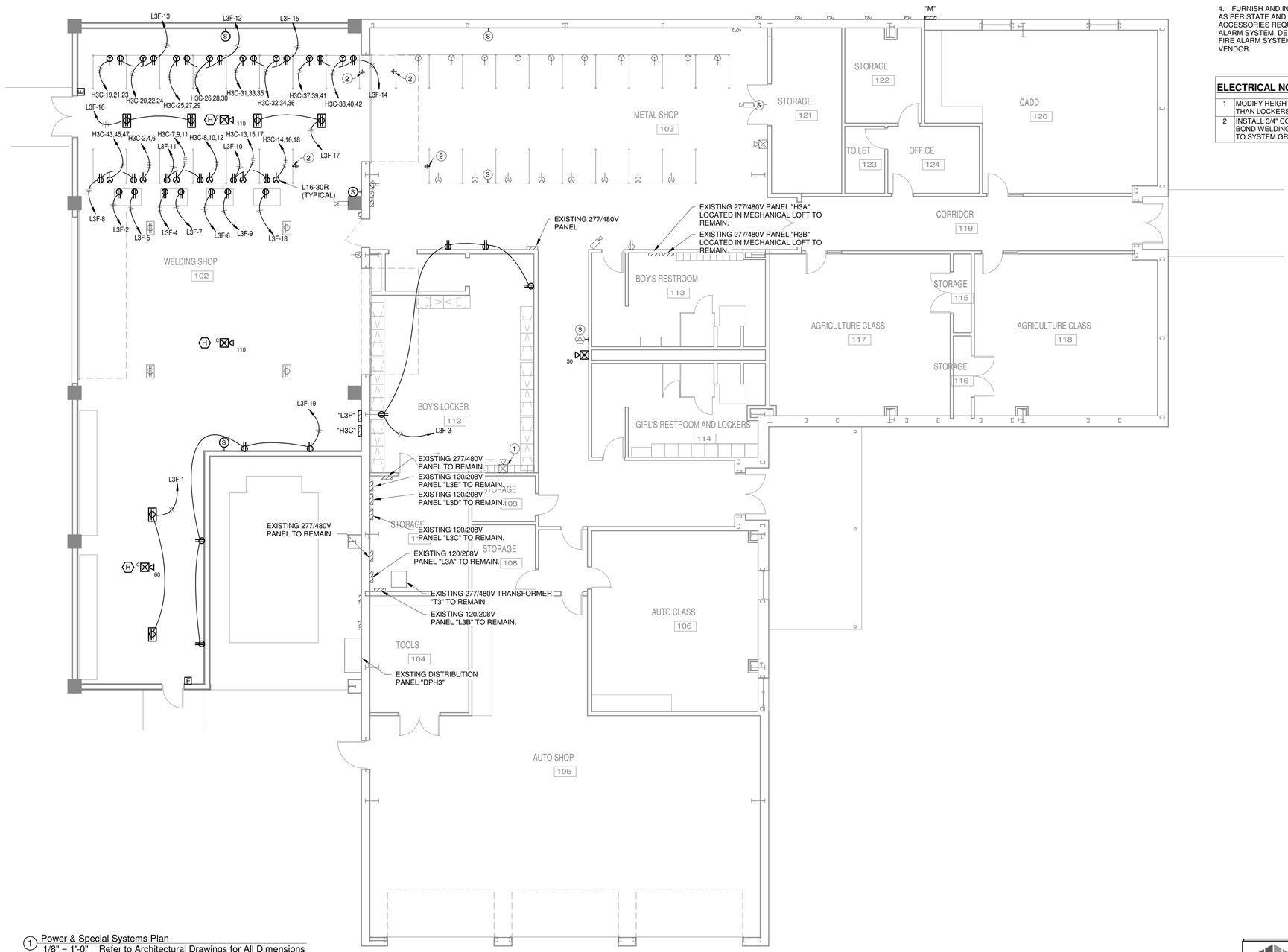
2. CONTRACTOR SHALL VERIFY FINAL LOCATIONS OF ALL CEILING MOUNTED CORD REEL OUTLETS WITH THE WELDING INSTRUCTOR.

3. FURNISH AND INSTALL INTERCOM SPEAKERS AS SHOWN ON DRAWING INCLUDING ALL CABLING AND ACCESSORIES REQUIRED TO INTEGRATE WITH EXISTING SCHOOL INTERCOM/PAGING SYSTEM. SPEAKERS SHALL MATCH EXISTING AND/OR BE COMPATIBLE WITH EXISTING SYSTEM. CONTACT OWNER'S INTERCOM SYSTEM VENDOR.

4. FURNISH AND INSTALL FIRE ALARM DEVICES AS SHOWN AND AS PER STATE AND LOCAL CODES INCLUDING CABLING AND ACCESSORIES REQUIRED TO INTEGRATE WITH EXISTING FIRE ALARM SYSTEM. DEVICES SHALL BE COMPATIBLE WITH EXISTING FIRE ALARM SYSTEM. CONTACT OWNER'S FIRE ALARM SYSTEM VENDOR.

ELECTRICAL NOTES

1	MODIFY HEIGHT OF EXISTING HORN STROBE TO BE HIGHER THAN LOCKERS OF THIS AREA BUT NO HIGHER THAN 96"
2	INSTALL 3/4" CONDUIT WITH #4 CU BONDING JUMPERS TO BOND WELDING BOOTHS AND METAL WELDING EXHAUST DUCT TO SYSTEM GROUND.



1 Power & Special Systems Plan
1/8" = 1'-0" Refer to Architectural Drawings for All Dimensions

CALLED NORTH

Architectural Alliance Incorporated
350 Pine Street, Suite 720
Beaumont, Texas 77701
TEL (409) 832-1176
FAX (409) 866-1745
J. REID CLARK, A.I.A.
RONALD L. JONES, A.I.A.
www.architectall.com

STATE OF TEXAS
DAVID CARROLL
137373
LICENSED PROFESSIONAL ENGINEER
3/3/2022

SILSBEE HIGH SCHOOL WELDING SHOP FINISH-OUT

Silsbee Independent School District

1575 Hwy 96 N
Silsbee, TX 77656

ISSUED FOR
SCHEMATIC DESIGN ☐
DATE:
DESIGN DEVELOPMENT ☐
DATE:
BIDS & CONSTRUCTION ☒
DATE: 3/9/2022
REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:

DRAWINGS SHEET TITLE
POWER & SPECIAL SYSTEMS PLAN

SHEET NUMBER
E301

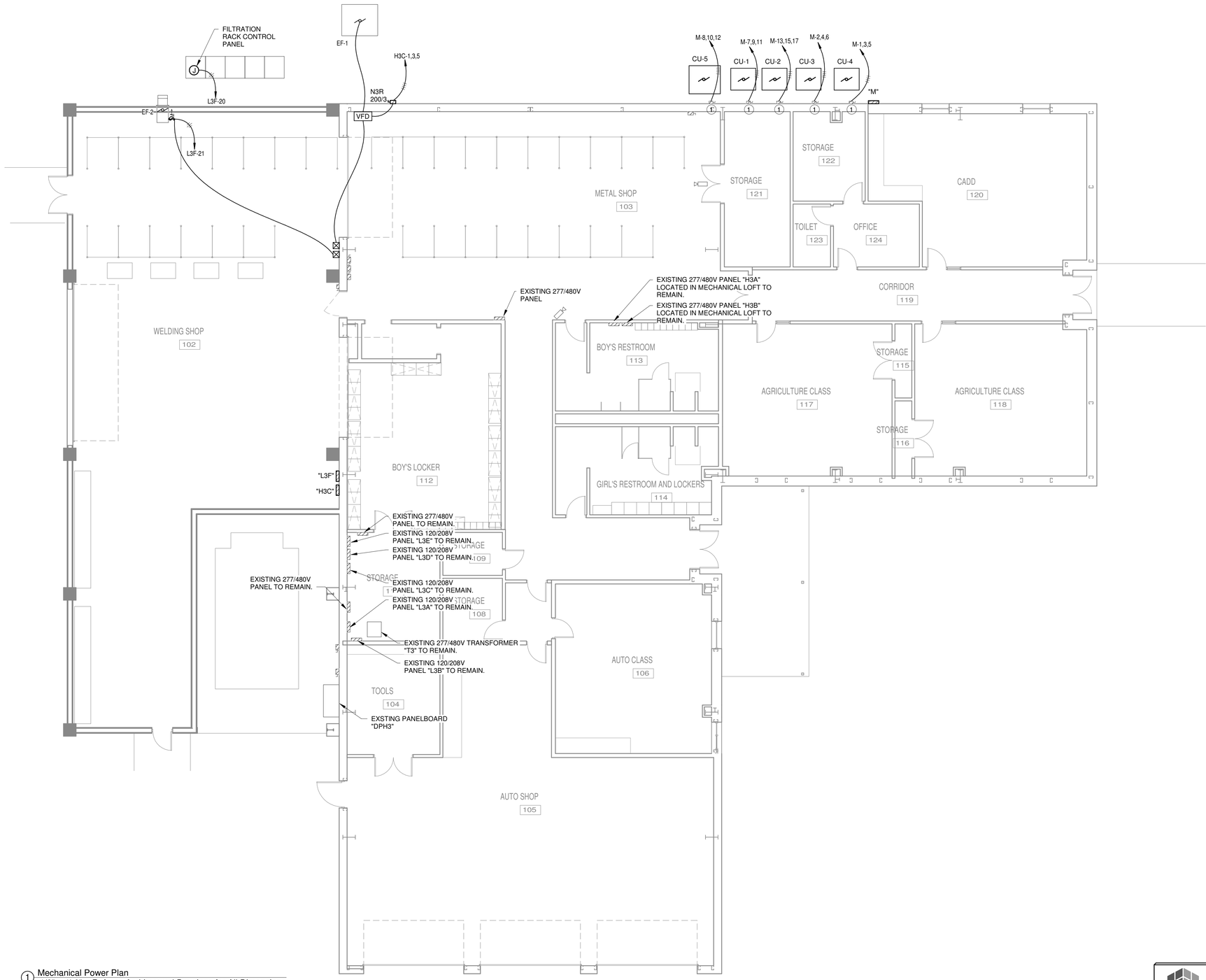
21051
PROJECT NUMBER

1304 BERTRAND DRIVE SUITE F7
LAFAYETTE, LOUISIANA 70506
(337) 234-7474 * FAX (337) 234-7774
Mechanical Contact: Dustin Duval
dustin@meconsulting.com
Electrical Contact: David Carroll
david@meconsulting.com
CONSULTING
PROJECT No.: 21187.00

SAVED:
ROSA KELLY
PLOTTED BY:
LIBOLIEF
PLOT DATE: 12/14/2021
12:29
SHEET SIZE: ARCH expand D (36.00 x 24.00 inches)

ELECTRICAL NOTES

1	RE-FEED EXISTING CONDENSING UNIT DISCONNECTS FROM NEW PANEL "M"



1 Mechanical Power Plan
1/8" = 1'-0" Refer to Architectural Drawings for All Dimensions

N
CALLED NORTH

1304 BERTRAND DRIVE SUITE F7
LAFAYETTE, LOUISIANA 70506
(337) 234-7474 * FAX (337) 234-7774
Mechanical Contact: Dustin Duval
dustin@meconsulting.com
Electrical Contact: David Carroll
david@meconsulting.com
PROJECT No.: 21187.00

Architectural Alliance Incorporated
350 Pine Street, Suite 720
Ellum Plaza
Beaumont, Texas 77701
TEL (409) 892-7676
FAX (409) 866-1745
J. REID CLARK, A.I.A.
RONALD J. MOSES, A.I.A.
www.archtectall.com

STATE OF TEXAS
DAVID CARROLL
137373
LICENSED
PROFESSIONAL ENGINEER
3/3/2022

SILSBEE HIGH SCHOOL WELDING SHOP FINISH-OUT

Silsbee Independent School District

1575 Hwy 96 N
Silsbee, TX 77656

ISSUED FOR
SCHEMATIC DESIGN ☐
DATE:
DESIGN DEVELOPMENT ☐
DATE:
BIDS & CONSTRUCTION ☒
DATE: 3/9/2022
REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:

DRAWINGS SHEET TITLE
MECHANICAL POWER PLAN

SHEET NUMBER
E401

21051
PROJECT NUMBER

SAVED:
PLOTTED:
PLOTTED BY: KELLY
LEROY
PLOT DATE: 12/14/2021
12:29
PLOT SIZE: ARCH expand D (36.00 x 24.00 inches)

Branch Panel: H3C

Location: WELD SHOP 1
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 18,000
Mains Type: MLO
Mains Rating: 400 A

General Schedule Notes:

Verify proper working clearances per N.E.C. prior to installation.

Notes	#	Circuit Description	Trip	Poles	Wire	Gnd.	C.	A		B		C		C.	Gnd.	Wire	Poles	Trip	Circuit Description	#	Notes
	1	Ventilation Sys Fan	150	3	3	1/0	6	2"	26592	3795				3/4"	10	10	3	3	30	Welding Receptacle	2	
--	3	--	--	--	--	--	--	--			265...	3795		--	--	--	--	--	--	--	4	--
--	5	--	--	--	--	--	--	--					265...	3795	--	--	--	--	--	--	6	--
	7	Welding Receptacle	30	3	3	10	10	3/4"	3795	3795				3/4"	10	10	3	3	30	Welding Receptacle	8	
--	9	--	--	--	--	--	--	--			3795	3795		--	--	--	--	--	--	--	10	--
--	11	--	--	--	--	--	--	--					3795	3795	--	--	--	--	--	--	12	--
	13	Welding Receptacle	30	3	3	10	10	3/4"	3795	3795				3/4"	10	10	3	3	30	Welding Receptacle	14	
--	15	--	--	--	--	--	--	--			3795	3795		--	--	--	--	--	--	--	16	--
--	17	--	--	--	--	--	--	--					3795	3795	--	--	--	--	--	--	18	--
	19	Welding Receptacle	30	3	3	10	10	3/4"	3795	3795				3/4"	10	10	3	3	30	Welding Receptacle	20	
--	21	--	--	--	--	--	--	--			3795	3795		--	--	--	--	--	--	--	22	--
--	23	--	--	--	--	--	--	--					3795	3795	--	--	--	--	--	--	24	--
	25	Welding Receptacle	30	3	3	10	10	3/4"	3795	3795				3/4"	10	10	3	3	30	Welding Receptacle	26	
--	27	--	--	--	--	--	--	--			3795	3795		--	--	--	--	--	--	--	28	--
--	29	--	--	--	--	--	--	--					3795	3795	--	--	--	--	--	--	30	--
	31	Welding Receptacle	30	3	3	10	10	3/4"	3795	3795				3/4"	10	10	3	3	30	Welding Receptacle	32	
--	33	--	--	--	--	--	--	--			3795	3795		--	--	--	--	--	--	--	34	--
--	35	--	--	--	--	--	--	--					3795	3795	--	--	--	--	--	--	36	--
	37	Welding Receptacle	30	3	3	10	10	3/4"	3795	3795				3/4"	10	10	3	3	30	Welding Receptacle	38	
--	39	--	--	--	--	--	--	--			3795	3795		--	--	--	--	--	--	--	40	--
--	41	--	--	--	--	--	--	--					3795	3795	--	--	--	--	--	--	42	--
	43	Welding Receptacle	30	3	3	10	10	3/4"	3795	0				--	--	--	--	3	30	Spare	44	--
--	45	--	--	--	--	--	--	--			3795	0		--	--	--	--	--	--	--	46	--
--	47	--	--	--	--	--	--	--					3795	0	--	--	--	--	--	--	48	--
	49																				50	
	51																				52	
	53																				54	
	55																				56	
	57																				58	
	59																				60	
	61																				62	
	63																				64	
	65																				66	
	67																				68	
	69																				70	
	71																				72	
	73																				74	
	75																				76	
	77																				78	
	79																				80	
	81																				82	
	83																				84	

Total Load:	80 kVA	80 kVA	80 kVA
Total Amps:	288 A	288 A	288 A

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	79776 VA	100.00%	79776 VA		
Welding	159390 VA	100.00%	159390 VA	**Total Conn. Load:**	239 kVA
				Total Est. Demand:	239 kVA
				Total Conn.:	288 A
				Total Est. Demand:	288 A

Panel Schedule Notes: (Notes below do not necissarily appear in panel schedule)
1. VERIFY BREAKER SIZE PER EQUIPMENT MANUFACTURER'S RECOMMENDED NAME PLATE RATING PRIOR TO SHOP DRAWINGS PHASE OF PROJECT.
2. CIRCUIT VIA _ POLE LIGHTING CONTACTOR. CONTROL WITH (2) CIRCUIT INTERMATIC OR EQUAL ASTRONOMICAL TIME CLOCK WITH BATTERY BACKUP. PHOTOCELL "ON" TIME CLOCK "OFF".
3. PROVIDE GFCI PROTECTED CIRCUIT BREAKER.
4. CONDUIT, WIRE, AND BREAKER SIZE PER MANUFACTURER'S REQUIREMENTS....

Branch Panel: M

Location:
Mounting: Surface
Enclosure: N3R

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 18,000
Mains Type: MLO
Mains Rating: 150 A

General Schedule Notes:

Verify proper working clearances per N.E.C. prior to installation.

Notes	#	Circuit Description	Trip	Poles	Wire	Gnd.	C.	A		B		C		C.	Gnd.	Wire	Poles	Trip	Circuit Description	#	Notes
1	1	CU-4	15	3	3	12	12	1/2"	3324	4432				1/2"	12	12	3	3	20	CU-3	2	1
--	3	--	--	--	--	--	--	--			3324	4432		--	--	--	--	--	--	--	4	--
--	5	--	--	--	--	--	--	--					3324	4432	--	--	--	--	--	--	6	--
1	7	CU-1	20	3	3	12	12	1/2"	4432	7280				3/4"	10	8	3	3	35	CU-5	8	1
--	9	--	--	--	--	--	--	--			4432	7280		--	--	--	--	--	--	--	10	--
--	11	--	--	--	--	--	--	--					4432	7280	--	--	--	--	--	--	12	--
1	13	CU-2	30	3	3	10	10	3/4"	5044												14	
--	15	--	--	--	--	--	--	--			5044										16	
--	17	--	--	--	--	--	--	--					5044								18	
	19																				20	
	21																				22	
	23																				24	
	25																				26	
	27																				28	
	29																				30	
	31																				32	
	33																				34	
	35																				36	
	37																				38	
	39																				40	
	41																				42	

Total Load:	25 kVA	25 kVA	25 kVA
Total Amps:	88 A	88 A	88 A

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Condensing Units	73536 VA	100.00%	73536 VA		
				Total Conn. Load:	74 kVA
				Total Est. Demand:	74 kVA
				Total Conn.:	88 A
				Total Est. Demand:	88 A

Panel Schedule Notes: (Notes below do not necessarily appear in panel schedule)
1. VERIFY BREAKER SIZE PER EQUIPMENT MANUFACTURER'S RECOMMENDED NAME PLATE RATING PRIOR TO SHOP DRAWINGS PHASE OF PROJECT.
2. CIRCUIT VIA _ POLE LIGHTING CONTACTOR. CONTROL WITH (2) CIRCUIT INTERMATIC OR EQUAL ASTRONOMICAL TIME CLOCK WITH BATTERY BACKUP. PHOTOCELL "ON" TIME CLOCK "OFF".
3. PROVIDE GFCI PROTECTED CIRCUIT BREAKER.
4. CONDUIT, WIRE, AND BREAKER SIZE PER MANUFACTURER'S REQUIREMENTS....

Branch Panel: L3F

Location: WELD SHOP 1
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000
Mains Type: MLO
Mains Rating: 100 A

General Schedule Notes:

Verify proper working clearances per N.E.C. prior to installation.

Notes	#	Circuit Description	Trip	Poles	Wire	Gnd.	C.	A		B		C		C.	Gnd.	Wire	Poles	Trip	Circuit Description	#	Notes
	1	Rec(Ceiling)	20	1	2	12	12	1/2"	360	1560				1/2"	12	12	2	1	20	Rec(Grinding)	2	
	3	Rec(Locer Rm. C108)	20	1	2	12	12	1/2"			720	1560		1/2"	12	12	2	1	20	Rec(Grinding)	4	
	5	Rec(Grinding)	20	1	2	12	12	1/2"					1560	1560	1/2"	12	12	2	1	20	Rec(Grinding)	6	
	7	Rec(Grinding)	20	1	2	12	12	1/2"	1560	1000					1/2"	12	12	2	1	20	Rec(Welding Booth)	8	
	9	Rec(Grinding)	20	1	2	12	12	1/2"			1560	1000			1/2"	12	12	2	1	20	Rec(Welding Booth)	10	
	11	Rec(Welding Booth)	20	1	2	12	12	1/2"					1000	1000	1/2"	12	12	2	1	20	Rec(Welding Booth)	12	
	13	Rec(Welding Booth)	20	1	2	12	12	1/2"	1000	1000					1/2"	12	12	2	1	20	Rec(Welding Booth)	14	
	15	Rec(Welding Booth)	20	1	2	12	12	1/2"			1000	360			1/2"	12	12	2	1	20	Rec(Ceiling)	16	
	17	Rec(Ceiling)	20	1	2	12	12	1/2"					360	1560	1/2"	12	12	2	1	20	Rec(Grinding)	18	
	19	Rec(WELD SHP...	20	1	2	12	12	1/2"	2000	500					3/4"	10	10	2	1	20	Filtration Control Pnl	20	
	21	EF-2	20	1	2	12	12	1/2"			1176	0			--	--	--	--	1	20	Spare	22	--
--	23	Space	--	1	--	--	--	--					--	0	--	--	--	--	1	20	Spare	24	--
--	25	Space	--	1	--	--	--	--	--	0					--	--	--	--	1	20	Spare	26	--
--	27	Space	--	1	--	--	--	--			--	0			--	--	--	--	1	20	Spare	28	--
--	29	Space	--	1	--	--	--	--					--	0	--	--	--	--	1	20	Spare	30	--
--	31	Space	--	1	--	--	--	--	--	0					--	--	--	--	1	20	Spare	32	--
--	33	Space	--	1	--	--	--	--			--	0			--	--	--	--	1	20	Spare	34	--
--	35	Space	--	1	--	--	--	--					--	0	--	--	--	--	1	20	Spare	36	--
--	37	Space	--	1	--	--	--	--	--	0					--	--	--	--	1	20	Spare	38	--
--	39	Space	--	1	--	--	--	--			--	0			--	--	--	--	1	20	Spare	40	--
--	41	Space	--	1	--	--	--	--					--	0	--	--	--	--	1	20	Spare	42	--

Total Load:	9 kVA	7 kVA	7 kVA
Total Amps:	75 A	62 A	59 A

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	1176 VA	100.00%	1176 VA		
Receptacles	22220 VA	72.50%	16110 VA	**Total Conn. Load:**	23 kVA
				Total Est. Demand:	17 kVA
				Total Conn.:	65 A
				Total Est. Demand:	48 A

Panel Schedule Notes: (Notes below do not necessarily appear in panel schedule)
1. VERIFY BREAKER SIZE PER EQUIPMENT MANUFACTURER'S RECOMMENDED NAME PLATE RATING PRIOR TO SHOP DRAWINGS PHASE OF PROJECT.
2. CIRCUIT VIA _ POLE LIGHTING CONTACTOR. CONTROL WITH (2) CIRCUIT INTERMATIC OR EQUAL ASTRONOMICAL TIME CLOCK WITH BATTERY BACKUP. PHOTOCELL "ON" TIME CLOCK "OFF".
3. PROVIDE GFCI PROTECTED CIRCUIT BREAKER.
4. CONDUIT, WIRE, AND BREAKER SIZE PER MANUFACTURER'S REQUIREMENTS....

Architectural Alliance Incorporated
350 Pine Street, Suite 720
Beaumont, Texas 77701
TEL (409) 832-7795
FAX (409) 866-1745
J. REID CLARK, A.I.A.
RONALD L. PARKS, A.I.A.
www.architectall.com

STATE OF TEXAS
DAVID CARROLL
137373
LICENSED PROFESSIONAL ENGINEER
3/3/2022

SILSBEE HIGH SCHOOL WELDING SHOP FINISH-OUT

Silsbee Independent School District

1575 Hwy 96 N
Silsbee, TX 77656

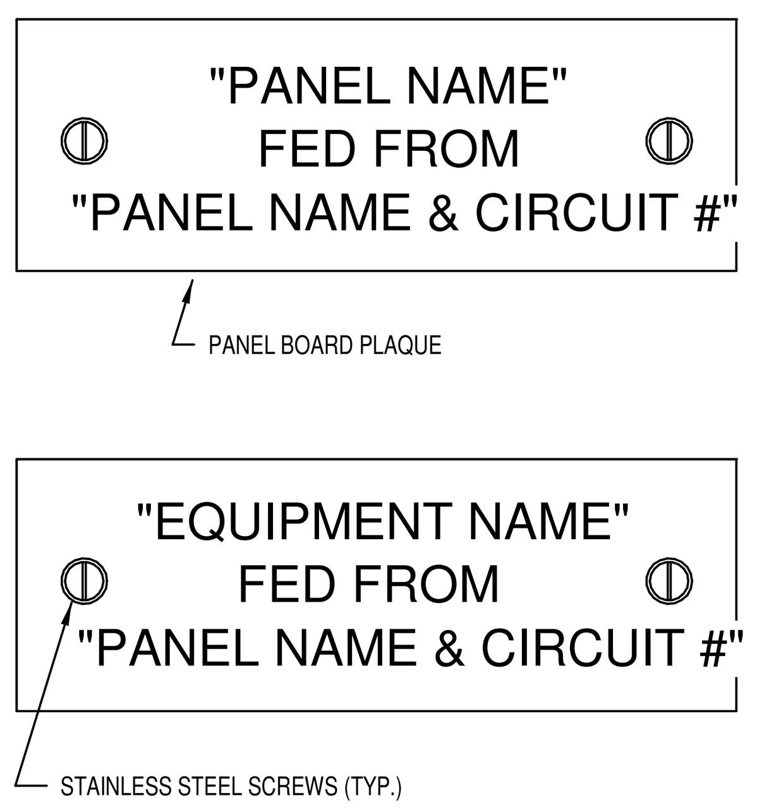
ISSUED FOR
SCHEMATIC DESIGN ☐
DATE:
DESIGN DEVELOPMENT ☐
DATE:
BIDS & CONSTRUCTION ☒
DATE: 3/9/2022
REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:

DRAWINGS SHEET TITLE
ELECTRICAL PANEL SCHEDULES

SHEET NUMBER
E501

21051
PROJECT NUMBER

1304 BERTRAND DRIVE SUITE F7
LAFAYETTE, LOUISIANA 70506
(337) 234-7474 * FAX (337) 234-7774
Mechanical Contact: Dustin Duval
dustin@meconsulting.com
Electrical Contact: David Carroll
david@meconsulting.com
PROJECT No.: 21187.00
CONSULTING



1 PANEL & EQUIPMENT SIGNAGE DETAIL

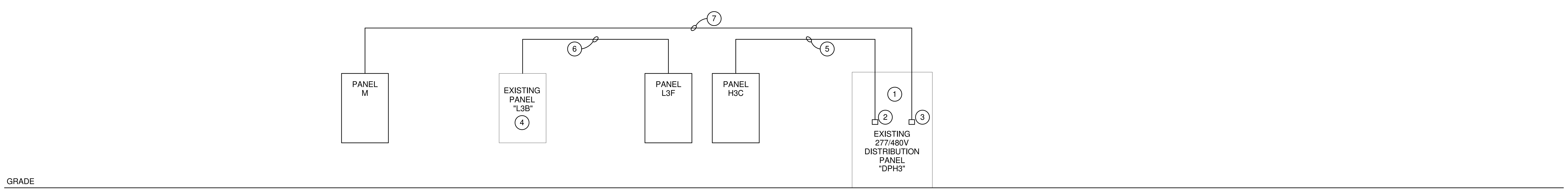
NO SCALE

* LOAD SUMMARY(WELDING COMPETITION) 277/480V 3 PHASE 4W			
SERVING	CONNECTED (KVA)	MULTIPLIER	DEMAND (KVA)
LIGHTING	1	1.25	1.25
OUTLETS	5.6	.5	3.7
WELDING	364	1.0	364
MOTOR	79.8	1.0	79.8
.	.	.	.
.	.	.	.
.	.	.	.
.	.	.	.
.	.	.	.
.	.	.	.
.	.	.	.
.	.	.	.
	.	.	.
		TOTAL KVA =	448.8
		TOTAL AMPS =	540

* THIS SUMMARY REPRESENTS POTENTIAL DEMAND LOAD EXPERIENCED DURING A WELDING COMPETITION EVENT, ASSUMING ALL WELDERS OPERATING SIMULTANEOUSLY.

ELECTRICAL RISER NOTES:

1. CONTRACTOR SHALL REMOVE CONDENSING UNIT BREAKERS BEING RE-FED FROM PANEL "M".
2. PROVIDE 400/3 CIRCUIT BREAKER FOR PANEL "H3C".
3. PROVIDE 150/3 CIRCUIT BREAKER FOR PANEL "M".
4. PROVIDE 100/3 CIRCUIT BREAKER FOR PANEL"L3F".
5. 4" CONDUIT WITH 4#500 KCMIL, 1#3 GROUND.
6. 2" CONDUIT WITH 4#2, 1#8 GROUND.
7. 2" CONDUIT WITH 4#1/0, 1#6 GROUND.



Architectural Alliance Incorporated
350 Pine Street, Suite 720
Edison Plaza
Beaumont, Texas 77701
TEL (409) 866-7196
FAX (409) 866-1745
J. ROB CLARK, A.I.A.
RONALD M. JONES, A.I.A.
www.architectall.com

STATE OF TEXAS
DAVID CARROLL
137373
LICENSED PROFESSIONAL ENGINEER
3/3/2022

SILSBEE HIGH SCHOOL WELDING SHOP FINISH-OUT

Silsbee Independent School District

1575 Hwy 96 N

Silsbee, TX 77656

ISSUED FOR
SCHEMATIC DESIGN ☐
DATE:______________
DESIGN DEVELOPMENT ☐
DATE:______________
BIDS & CONSTRUCTION ☒
DATE: 3/9/2022
REVISION:
DATE:______________
REVISION:
DATE:______________
REVISION:
DATE:______________

DRAWINGS SHEET TITLE
ELECTRICAL DETAILS & RISER

1304 BERTRAND DRIVE SUITE F7
LAFAYETTE, LOUISIANA 70506
(337) 234-7474 * FAX (337) 234-7774
Mechanical Contact: Dustin Duval
dustin@meconsulting.com
Electrical Contact: David Carroll
david@meconsulting.com
PROJECT No.: 21187.00
CONSULTING

SHEET NUMBER
E601

21051
PROJECT NUMBER

DEFINE

PLUMBING & SPRINKLER ABBREVIATIONS

AD	ACCESS DOOR	HP	HORSE POWER
ADA	AMERICANS WITH DISABILITIES ACT	HS	HOSE STATION
AFF	ABOVE FINISHED FLOOR	HW	HAND WASH
AV	ACID VENT	ICE	ICE MACHINE WATER CONNECTION
AW	ACID WASTE	L	LAVATORY
BOP	BOTTOM OF PIPE	LS	LIFT STATION (SANITARY SEWER)
BP	BACKFLOW PREVENTER	MH	MANHOLE
BT	BATH TUB	MV	MIXING VALVE
BTUH	BRITISH THERMAL UNITES PER HOUR	N.O.	NORMALLY OPEN
C	CONDENSATE DRAIN LINE	N.C.	NORMALLY CLOSED
CA	COMPRESSED AIR LINE	NTS	NOT TO SCALE
CB	CATCH BASIN	P	PUMP
CFM	CUBIC FEET PER MINUTE	PIV	POST INDICATING VALVE
CI	CAST IRON	PRV	PRESSURE REDUCING VALVE
CO	CLEANOUT	PSIG	POUNDS PER SQUARE INCH GAGE
CSS	CLINIC SERVICE SINK	PT	PLASTER TRAP
CP	CIRCULATING WATER PUMP	REF	REFRIGERATOR WATER CONNECTION BOX
D	DRAIN LINE	RD	ROOF DRAIN
DF	DRINKING FOUNTAIN	RPM	REVOLUTIONS PER MINUTE
DCW	DOMESTIC COLD WATER LINE	SAN	SANITARY SEWER
DHR	DOMESTIC HOT WATER RETURN LINE	SD	STORM DRAIN
DHW	DOMESTIC HOT WATER LINE	SF	SQUARE FOOT
DS	DRENCH SHOWER	SH	SHOWER
DSEW	DRENCH SHOWER WITH EYE WASH	SK	SINK
DT	DILUTION TRAP	SMH	SEWER MANHOLE
DW	DISHWASHER	SS	SERVICE SINK
ET	EXPANSION TANK	STP	SEWER TREATMENT PLANT
EW	EYE WASH	TD	TRENCH DRAIN
EWC	ELECTRIC WATER COOLER	TP	TRAP PRIMER
EWH	ELECTRIC WATER HEATER	TYP	TYPICAL
FCO	FLOOR CLEANOUT	U	URINAL
FD	FLOOR DRAIN	UNO	UNLESS NOTED OTHERWISE
FDC	FIRE DEPARTMENT CONNECTION	V	VENT
FFE	FINISHED FLOOR ELEVATION	VAC	VACUUM
FH	FIRE HYDRANT	VB	VACUUM BREAKER
FS	FLOOR SINK	VTR	VENT THRU ROOF
GD	GARBAGE DISPOSAL	W	WASHER WATER/DRAIN CONNECTION LINE
GPH	GALLONS PER HOUR	WC	WATER CLOSET
GPM	GALLONS PER MINUTE	WCO	WALL CLEANOUT
GT	GREASE TRAP	WF	WASH FOUNTAIN
GWH	GAS FIRED WATER HEATER	WG	WATER GAGE
HB	HOSE BIB	WP	WHIRL POOL
HD	HUB DRIAN	ZVB	ZONE VALVE BOX (MEDICAL GAS)

DESIGN

PLUMBING & SPRINKLER LEGEND

PIPING

EXISTING	DEMO	NEW	DESCRIPTION
	DCW		DOMESTIC COLD WATER LINE
	DHW		DOMESTIC HOT WATER LINE (110°)
	DHR		DOMESTIC HOT WATER RETURN LINE
(X°F)	(X°F)	(X°F)	DOMESTIC HOT WATER LINE (X=TEMP.)
			SANITARY SEWER LINE (SAN)
V	V	V	SANITARY SEWER VENT LINE
SD	SD	SD	STORM DRAIN LINE (PRIMARY)
OSD	OSD	OSD	OVERFLOW STORM DRAIN LINE (SECONDARY)
C	C	C	CONDENSATE DRAIN LINE
GW	GW	GW	GREASE WASTE DRAIN LINE
AW	AW	AW	ACID WASTE DRAIN LINE
F	F	F	FIRE MAIN WATER LINE
S	S	S	SPRINKLER LINE
G	G	G	NATURAL GAS LINE
LP	LP	LP	PROPANE GAS LINE
CA	CA	CA	COMPRESSED AIR LINE
RO	RO	RO	REVERSE OSMOSIS PURE WATER SUPPLY LINE
ROR	ROR	ROR	REVERSE OSMOSIS PURE WATER RETURN LINE
DI	DI	DI	DIONIZED PURE WATER SUPPLY LINE
O	O	O	OXYGEN LINE (MEDICAL)
VAC	VAC	VAC	VACUUM LINE (MEDICAL)
N	N	N	NITROGEN LINE (MEDICAL)
NO	NO	NO	NITROUS OXIDE (MEDICAL)
MA	MA	MA	AIR (MEDICAL)
WAGD	WAGD	WAGD	WASTE ANESTHETIC GAS DISPOSAL

PIPE FITTING

EXISTING	DEMO	NEW	DESCRIPTION
			CAPPED PIPE
			PIPE RISE
			PIPE DROP
			UNION
			DIRECTION OF FLOW
			PIPE SUPPORT OR BRACING
			PIPE CONNECTION (TOP)
			PIPE CONNECTION (BOTTOM)
			PIPE CONNECTION (SIDE)
			CAPPED OUTLET TOP
			PIPE REDUCER AND/OR INCREASER

VALVES

EXISTING	DEMO	NEW	DESCRIPTION
			BALL VALVE (SHUT-OFF)
			BALL VALVE (SHUT-OFF)
			SHUT-OFF VALVE IN CAST IRON VALVE BOX
			CALIBRATED BALANCING VALVE
			CHECK VALVE
			OS&Y VALVE
			GAS COCK
			BUTTERFLY VALVE
			VALVE IN RISE
			2-WAY CONTROL VALVE
			3-WAY CONTROL VALVE

EQUIPMENT

EXISTING	DEMO	NEW	DESCRIPTION
			PLUMBING FIXTURES
M	M	M	METER
			REGULATOR

SYMBOL (MISC.)

EXISTING	DEMO	NEW	DESCRIPTION
			CONNECT TO EXISTING SERVICES

NOTES:
1. EXISTING ITEMS ON DEMO PLANS ARE "EXISTING TO REMAIN" UNLESS NOTED "EXISTING TO BE RELOCATED..
2. ITEMS ON NEW CONSTRUCTION PLANS ARE NEW UNLESS NOTED "RELOCATED FROM PREVIOUS LOCATION". REFER TO SCHEDULES AND SPECIFICATIONS FOR PLUMBING FIXTURES.
3. NOT ALL ITEMS SHOWN ON THIS LIST MAY BE APPLICABLE TO THIS PROJECT.

DELIVER

PLUMBING & SPRINKLER GENERAL NOTES

1. CONTRACTOR SHALL VISIT THE SITE AND DETERMINE THE EXTENT OF DEMOLITION WORK AND NEW WORK NEEDED FOR THIS PROJECT, PRIOR TO SUBMITTING BID.
2. CONTRACTOR SHALL BECOME FAMILIAR WITH THE PROJECT SCOPE, CONSTRAINTS, UTILITY CONNECTIONS, AND BUILDING SERVICES, PRIOR TO SUBMITTING BID.
3. CONTRACTOR SHALL GIVE FIRST RIGHT TO REFUSAL OF SALVAGE TO THE OWNER. IF THE OWNER ELECTS TO NOT KEEP SALVAGE, CONTRACTOR SHALL REMOVE SALVAGE BY LAWFUL MEANS.
4. DRAWINGS ARE SCHEMATIC AND DIAGRAMMATIC IN NATURE. DRAWINGS SHALL NOT BE SCALED. COORDINATE ROUTING OF SERVICES WITH SITE CONDITIONS AND WITH WORK OF OTHER TRADES.
5. FIELD VERIFY DIMENSIONS PRIOR TO ORDERING, FABRICATING, AND ERECTION OF MATERIAL AND/OR EQUIPMENT. NOTIFY THE ENGINEER OF DISCREPANCIES IN A TIMELY MANNER.
6. VERIFY CLEARANCE REQUIREMENTS AND ROUTING OF PIPING PRIOR TO FABRICATION, AS MINOR MODIFICATIONS SUCH AS PIPING RISES AND DROP MAY BE REQUIRED DUE TO FIELD CONDITIONS. MAKE MINOR MODIFICATIONS TO THE BUILDING, PIPING, SPRINKLER, DUCTWORK, ELECTRICAL, ETC. AS SHOWN ON THE DRAWINGS OR REQUIRED TO COMPLETE THE INSTALLATION OF A COMPLETED WORKABLE SYSTEM.
7. MAINTAIN WEATHER-TIGHT BARRIERS TO PREVENT DAMAGE FROM THE ELEMENTS DURING DEMOLITION AND NEW CONSTRUCTION PERIOD.
8. SEAL PENETRATIONS THROUGH THE BUILDING ENVELOPE.
9. PENETRATIONS THROUGH RATED WALLS, FLOORS, PARTITIONS AND ASSEMBLIES SHALL BE INSTALLED AND FIRESAFED TO MEET UL. FIRE RESISTANCE LISTING AND NFPA REQUIREMENTS FOR THE PENETRATION.
10. COORDINATE DEVICES REQUIRING ACCESS PANELS WITH THE ARCHITECT AND OTHER TRADES.
11. MAINTAIN MINIMUM CLEARANCE 10'-0" BETWEEN OUTSIDE INTAKES AND EXHAUST OUTLETS AND PLUMBING VENTS.
12. COORDINATE FINAL LOCATIONS AND ELEVATIONS WITH THE ARCHITECT PRIOR TO INSTALLATION.
13. COORDINATE FINAL FINISH COLORS OF MATERIALS, DEVICES, AND/OR EQUIPMENT WITH THE ARCHITECT PRIOR TO ORDERING, FABRICATION AND INSTALLATION.
14. SCHEDULE UTILITY SERVICES SHUTDOWNS WITH OWNER AND ARCHITECT. MINIMIZE DISRUPTIONS AND DOWNTIME TO THE OWNER.
15. INSTALL DEVICES AND EQUIPMENT TO MEET ADA REQUIREMENTS.
16. ROUTE PIPING CONCEALED IN INTERSTITIAL SPACE UNLESS NOTED OTHERWISE.
17. DOCUMENT LOCATIONS OF DEVICES, PIPING, AND EQUIPMENT ON "AS-BUILT" RECORD DRAWINGS AS PER THE SPECIFICATIONS.
18. PAY FOR SERVICE, DEPOSITS, INSPECTION, AND CONNECTION FEES REQUIRED FOR A COMPLETE INSTALLATION. COORDINATE WITH THE UTILITY SERVICE PROVIDER FOR THE REQUIREMENTS NEEDED FOR THIS PROJECT.
19. WORK SHOWN IN THE DRAWINGS SHALL COMPLY WITH APPLICABLE NATIONAL, STATE, AND LOCAL ORDINANCES AND CODES.
20. ALL EXPOSED DOMESTIC COLD AND HOT WATER PIPING WITHIN THE BUILDING SHALL HAVE FIELD INSTALL PVC JACKET.
21. WATER HAMMER ARRESTER(S) SHALL BE INSTALLED ON PIPING SYSTEMS AND AT QUICK-CLOSING VALVES AS PER MANUFACTURER'S RECOMMENDATIONS.

meconsulting.com

M&E CONSULTING
1304 BERTRAND DRIVE SUITE F7
LAFAYETTE, LOUISIANA 70506
(337) 234-7474 * FAX (337) 234-7774
Mechanical Contact: Dustin Duval
dustin@meconsulting.com
Electrical Contact: David Carroll
david@meconsulting.com
PROJECT No.: 21187.00

Architectural Alliance Incorporated
350 Pine Street, Suite 720
Edison Plaza
Beaumont, Texas 77701
TEL (409) 866-7196
FAX (409) 866-1108
J. ROBERT LAW, A.I.A.
RONALD M. JONES, A.I.A.
www.archalliance.com

STATE OF TEXAS
DUSTIN W. DUVAL
117604
LICENSED PROFESSIONAL ENGINEER
3/3/2022

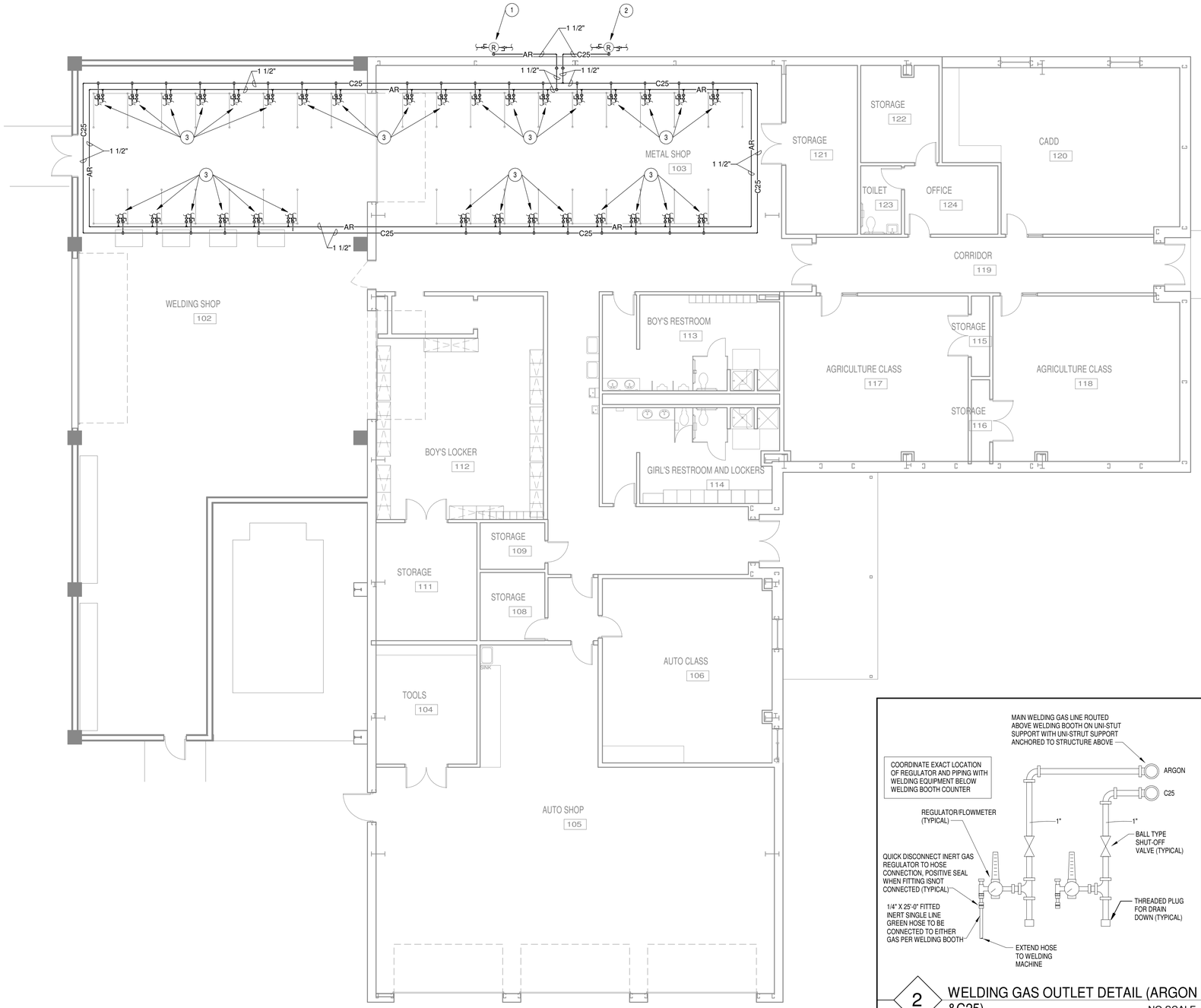
SILSBEE HIGH SCHOOL WELDING SHOP FINISH-OUT
Silsbee Independent School District
1575 Hwy 96 N
Silsbee, TX 77656

ISSUED FOR
SCHEMATIC DESIGN ☐ DATE:
DESIGN DEVELOPMENT ☐ DATE:
BIDS & CONSTRUCTION ☒ DATE: 3/9/2022
REVISION: DATE:
REVISION: DATE:
REVISION: DATE:

DRAWINGS SHEET TITLE
PLUMBING LEGEND & NOTES

SHEET NUMBER
P000

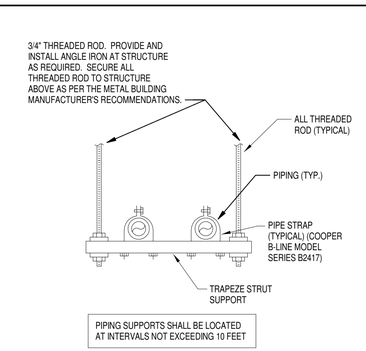
21051
PROJECT NUMBER



PLUMBING KEYNOTES:

1. ARGON GAS PRESSURE REGULATR WITH MANIFOLD SYSTEM FOR CYLINDER BOTTLES AND HEADER SYSTEM.
2. C25 GAS PRESSURE REGULATR WITH MANIFOLD SYSTEM FOR CYLINDER BOTTLES AND HEADER SYSTEM.
3. ARGON/C25 REGULATOR/FLOW METER AND QUICK DISCONNECT INERT GAS REGULATOR TO HOSE CONNECTION FOR ARGON AND C25 INERT GAS. INSTALL BALL TYPE SHUT-OFF VAVLE UPSTREAM OF REGULATOR/FLOW METER. SHUT-OFF VALVE ON LINE NOT BEING USED SHALL BE CLOSED (TYPICAL). REFER TO DETAILS FOR ADDITIONAL INFORMATION.

2 WELDING GAS OUTLET DETAIL (ARGON &C25) NO SCALE



3 WELDING PIPING SUPPORT DETAIL NO SCALE

N
CALLED NORTH

1 Plumbing Plan
1/8" = 1'-0" Refer to Architectural Drawings for All Dimensions

AAI Architectural Alliance Incorporated
350 Pine Street, Suite 720
Beaumont, Texas 77701
TEL (409)
FAX (409)
J. RICHARD JONES, A.I.A.
RONALD M. JONES, A.I.A.
www.architectai.com

STATE OF TEXAS
DUSTIN W. DUVAL
117604
LICENSED
PROFESSIONAL ENGINEER
3/3/2022

SILSBEE HIGH SCHOOL WELDING SHOP FINISH-OUT

Silsbee Independent School District

1575 Hwy 96 N
Silsbee, TX 77656

ISSUED FOR
SCHEMATIC DESIGN ☐
DATE:
DESIGN DEVELOPMENT ☐
DATE:
BIDS & CONSTRUCTION ☒
DATE: 3/9/2022
REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:

DRAWINGS SHEET TITLE
PLUMBING PLAN & DETAILS

SHEET NUMBER
P201

21051
PROJECT NUMBER

1304 BERTRAND DRIVE SUITE F7
LAFAYETTE, LOUISIANA 70506
(337) 234-7474 * FAX (337) 234-7774
Mechanical Contact: Dustin Duval
dustin@meconsulting.com
Electrical Contact: David Carroll
david@meconsulting.com
PROJECT No.: 21187.00
CONSULTING

SAVED:
PLOTTED:
PLOTTED BY: KELLY
LEGALDEF
PLOT SCALE: 1:2
PLOT DATE: 12/14/2021
12:29
SHEET SIZE: ARCH expand D (36.00 x 24.00 inches)