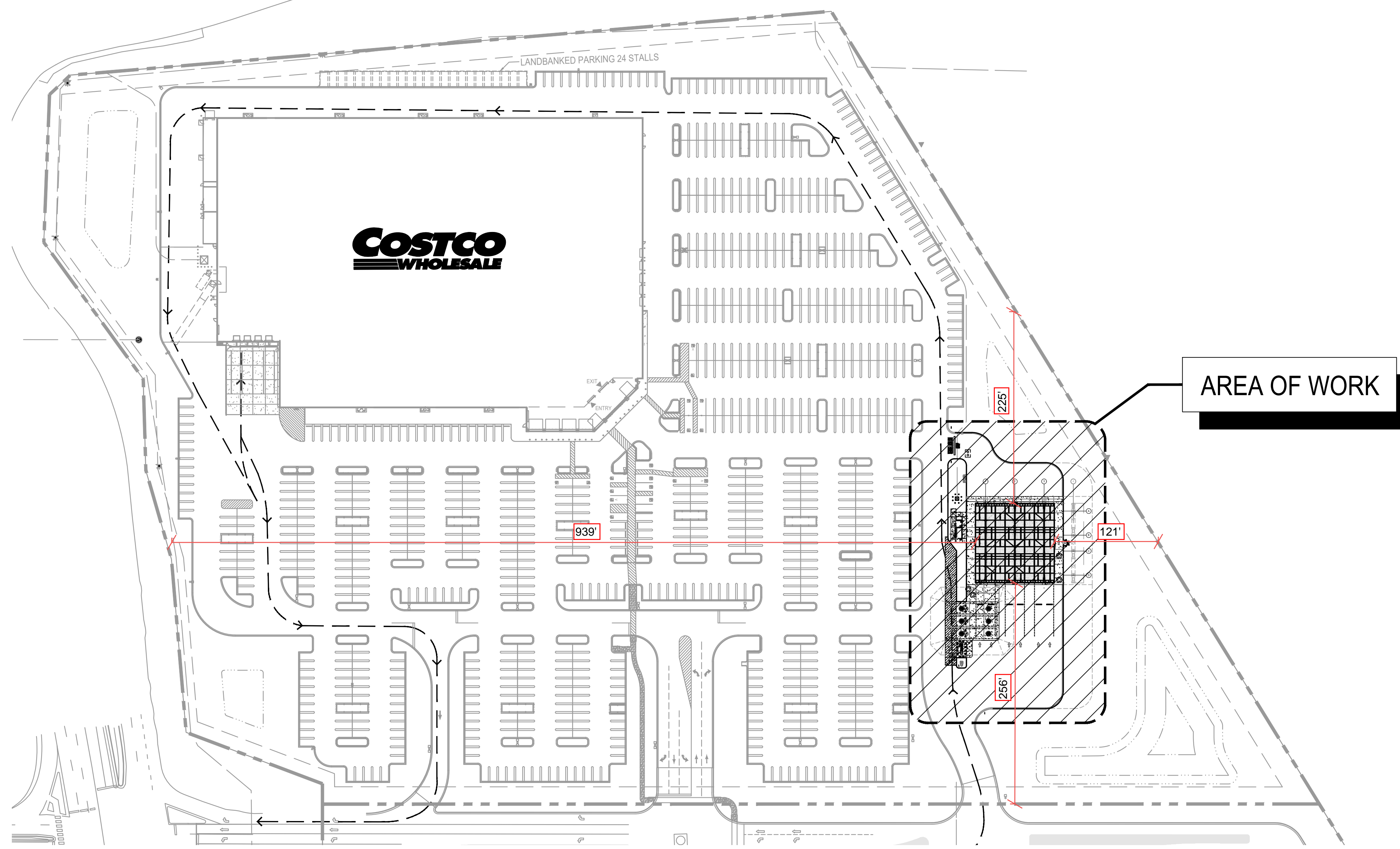


## COSTCO WHOLESALE FUEL FACILITY 20 SE OLDHAM PARKWAY LEE'S SUMMIT, MO 64081

### LOCATION MAP - SITE PLAN



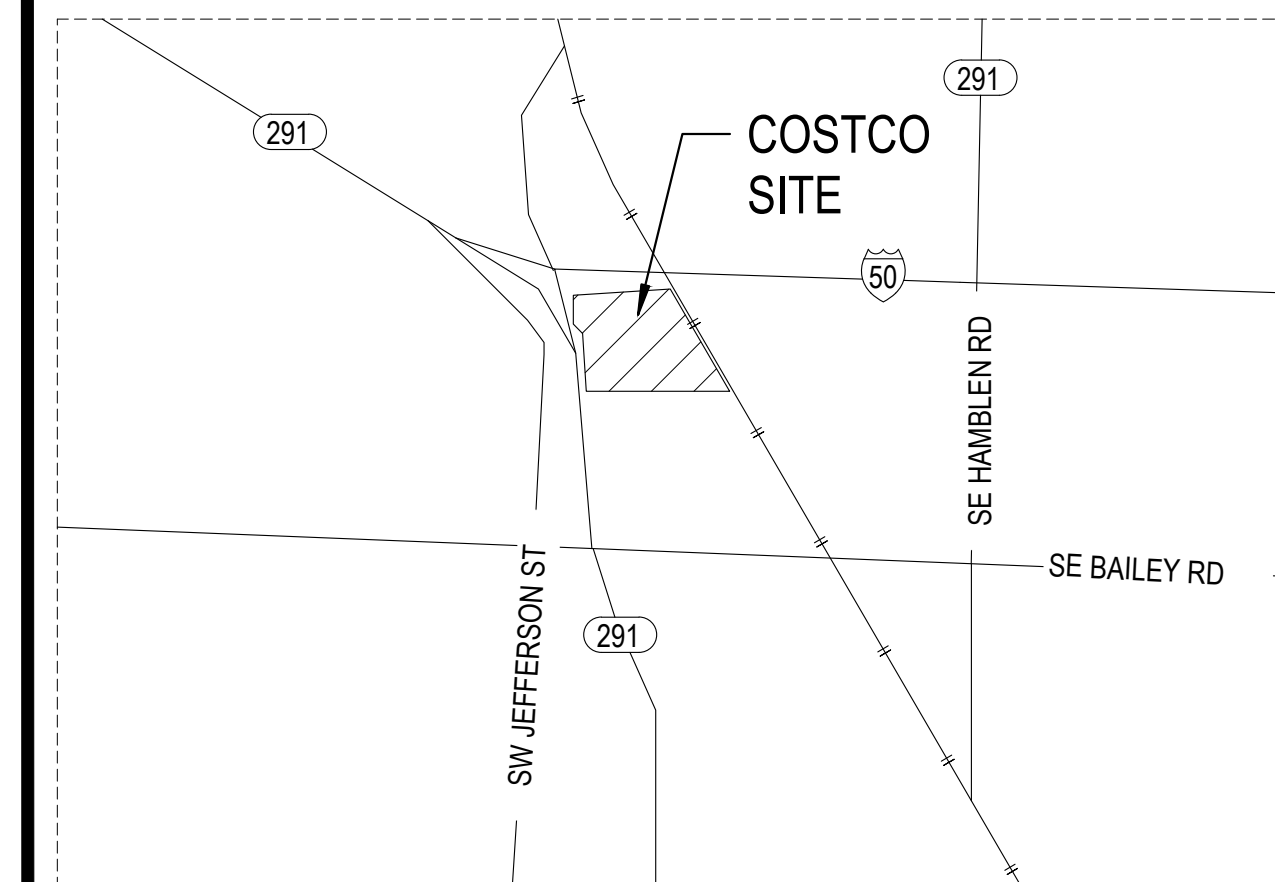
### OVERALL SITE PLAN

SCALE:

**NOTE:**  
UNDER WAREHOUSE PERMIT SUBMITTAL:  
COSTCO WAREHOUSE AND TIRE CENTER, ALL GRADING, CURBING,  
LANDSCAPING, SITE LIGHTING, ALL ASPHALT, PARKING LOT  
STRIPING, CONDUITS FROM CONTROLLER ENCLOSURE TO  
WAREHOUSE, REMOVAL / RELOCATION OF EXISTING UTILITIES,  
SIDEWALKS AND IMPROVEMENTS

UNDER FUEL FACILITY PERMIT SUBMITTAL:  
NECESSARY PIPING AND ELECTRICAL FOR FUEL FACILITY, THE  
CANOPY AND CANOPY LIGHTING, TANK AND CANOPY CONCRETE  
PAD, EQUIPMENT CONTROLLER ENCLOSURE, LANE STRIPING AND  
DIRECTIONAL ARROWS

### VICINITY MAP



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### PROJECT DIRECTORY

**OWNER**  
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ISSAQUAH, WA 98027  
T: 425.313.8100

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PROJECT MANAGER: WILLIE MAK

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ST. CHARLES, MO 63303  
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ALEX.GOHARIROON@INFO-TERRACON.COM

**LANDSCAPE  
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CONTACT: AMANDA MCABEE  
AMANDA.MCABEE@KIMLEY-HORN.COM

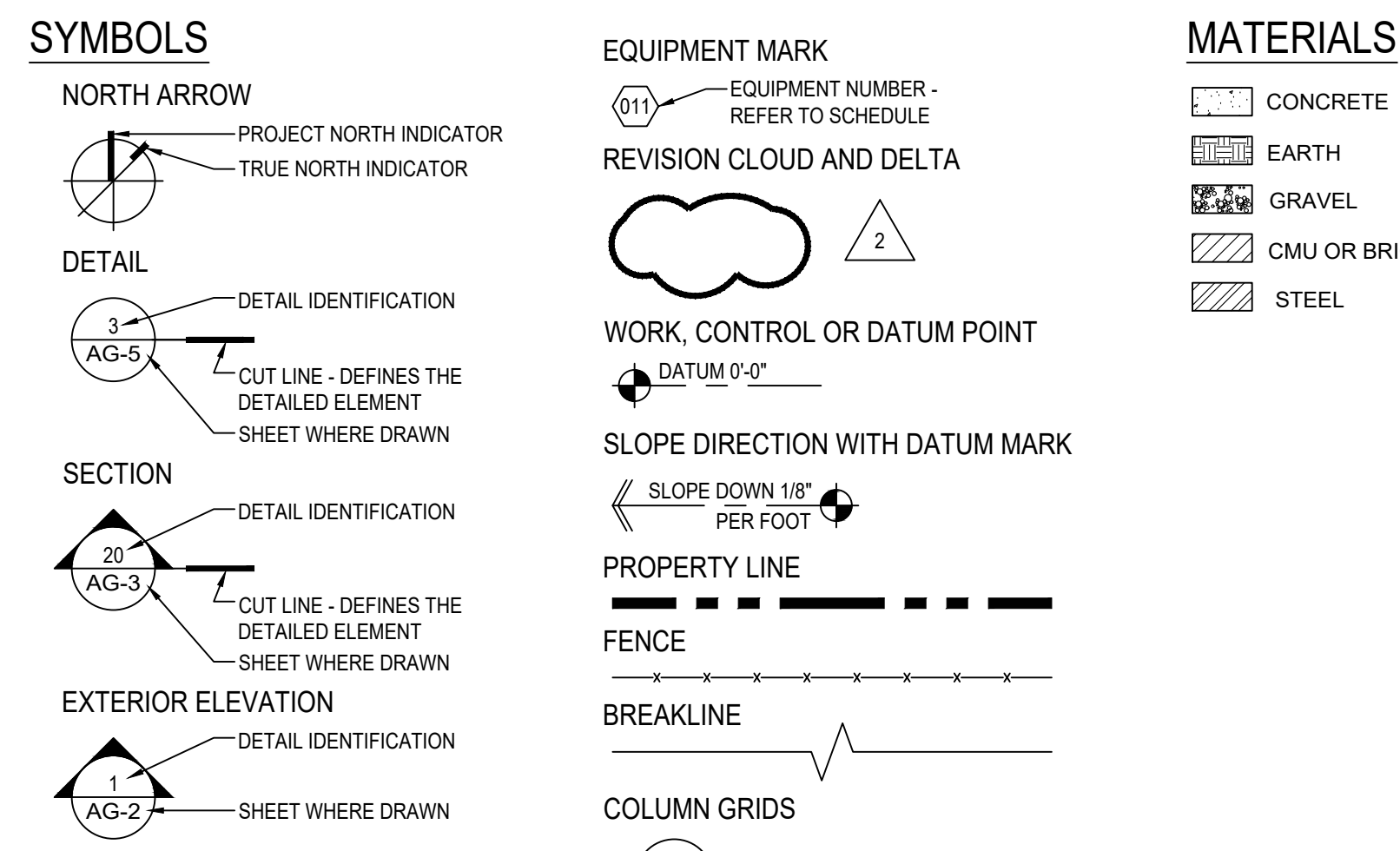
**STRUCTURAL  
ENGINEER**  
SPAN CONSTRUCTION AND ENGINEERING, INC.  
1841 HOWARD ROAD  
MADERA, CA 93637  
T: 559.961.1111  
F: 559.673.0600

**TANK/  
ELECTRICAL/  
ENGINEER**  
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18215 72ND AVENUE SOUTH  
KENT, WA 98032  
T: 425.251.6222  
F: 425.251.8782

### FOR ADDITIONAL ABBREVIATIONS: SEE OTHER DESIGN DISCIPLINES

ARCHITECTURAL ABBREVIATIONS	
ADJ	ADJUSTABLE, ADJACENT
ALUM	ALUMINUM
APPROX	APPROXIMATE
BD	BOARD
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BM	BEAM
BTWN	BETWEEN
CB	CATCH BASIN
CI	CAST IRON
CIP	CAST IN PLACE
CJ	CONSTRUCTION JOINT
CL	CENTER LINE
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
CONSTR	CONSTRUCTION
CORP	CORPORATION
DBL	DOUBLE
DIA	DIAMETER
DIM	DIMENSION
DTL	DETAIL
DS	DOWNSPOUT
DWG	DRAWING
EA	EACH
ELEC	ELECTRICAL
ELEV	ELEVATION
E	EXISTING
ENCL	ENCLOSURE
EQ	EQUAL
ET CETERA	ET CETERA
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
FD	FLOOR DRAIN
FF	FINISHED FLOOR
FL	FLOOR
FIN	FINISH
FT	FEET
FTG	FOOTING
GA	GAUGE
GC	GENERAL CONTRACTOR
HC	HANDICAPPED
HORIZ	HORIZONTAL
HT	HEIGHT
HTR	HEATER
IBC	INTERNATIONAL BLDG CODE
INSUL	INSULATION
INT	INTERIOR
JTJTS	JOINT, JOINTS
LCD	LIQUID CRYSTAL DISPLAY
LF	LINEAR FOOT, LINEAL FOOT
LID	LIQUID
MAS	MASONRY
MAX	MAXIMUM
MBS	METAL BUILDING SUPPLIER
MECH	MECHANICAL
MTL	METAL MANUFACTURING
MFG	MANUFACTURER
MFR	MANHOLE
MH	MINIMUM
MISC	MISCELLANEOUS
MR	MOISTURE RESISTANT
MTD	MOUNTED
MTG	MOUNTING
NIC	NOT IN CONTRACT
NOM	NOMINAL
NTS	NOT TO SCALE
OA	OVERALL
ON CENTER	ON CENTER
OC	OVERHEAD
OH	OPERATION
OPER	OPERATION
OPG	OPENING
OPP	OPPOSITE
PVC	POLY VINYL CHLORIDE
PL	PLATE, PROPERTY LINE
PROJ	PROJECT
PRV	PRESSURE REDUCING VALVE
PT	POINT
QUARTER	QUARTER
R	RADIUS
REFLECTED CEILING PLAN	REFLECTED CEILING PLAN
RD	ROOF DRAIN
RF	ROLLED FORMED
RL	RAIN LEADER
REC'D	RECEIVED
REIN	REINFORCING
REQ'D	REQUIRED
SCHED	SCHEDULE
SHT	SHEET
SIM	SIMILAR
SHD	SUPPLIED & INSTALLED BY OWNER
SIV	SUPPLIED & INSTALLED BY VENDOR
SJ	SAW-CUT JOINT
SOIC	SUPPLIED BY OWNER & INSTALLED BY CONTRACTOR
SPEC'D	SPECIFIED
SQ	SQUARE
SS	SANITARY SEWER
STD	STANDARD
STL	STEEL
STRUCT	STRUCTURE, STRUCTURAL
SYS	SYSTEM
T & E	TANK & ELECTRICAL
TOM	TOP OF MASONRY
TOS	TOP OF STEEL
TS	TUBE STEEL
TYP	TYPICAL
UL	UNITED LABORATORIES
UTIL	UTILITY
UNO	UNLESS NOTED OTHERWISE
UNOSCHD	UNUSCHEDULED
VERT	VERTICAL
VIF	VERIFY IN FIELD
WISE	WISE
W	WIDTH
W	WITH
WO	WITHOUT
WO	WINDOW
WP	WATERPROOF
WR	WATER RESISTANT

### ARCHITECTURAL SYMBOLS



### LEGAL DESCRIPTION

ALL THAT PART OF THE SOUTHWEST QUARTER OF SECTION 8, TOWNSHIP 47, RANGE 31, IN LEE'S SUMMIT, JACKSON COUNTY, MISSOURI, DESCRIBED AS FOLLOWS:  
COMMENCING AT A POINT ON THE NORTH LINE OF SAID QUARTER SECTION, AND 270 FEET EAST OF THE NORTHWEST CORNER THEREOF; THENCE SOUTH 0° 21' 00" WEST, A DISTANCE OF 52.39 FEET; THENCE NORTH 84° 48' 10" EAST, A DISTANCE OF 40 FEET TO THE TRUE POINT OF BEGINNING; WHENCE 48' AT A POINT OF INTERSECTION OF THE EAST RIGHT-OF-WAY OF U.S. HIGHWAY NO. 71 BYPASS AND THE SOUTHERLY RIGHT-OF-WAY OF U.S. HIGHWAY NO. 90, A DISTANCE OF 21' 18 FEET TO A POINT OPPOSITE AND 216 FEET FROM THE TRUE POINT OF BEGINNING; THENCE NORTH 84° 48' 10" EAST, ALONG THE SOUTHERLY RIGHT-OF-WAY LINE OF U.S. HIGHWAY NO. 90, A DISTANCE OF 842.72 FEET TO A POINT ON THE SOUTHWESTERLY RIGHT-OF-WAY LINE OF THE MISSOURI PACIFIC RAILROAD, AS NOW ESTABLISHED, AND 90 FEET FROM THE CENTERLINE OF THE MAIN TRACKS THEREOF; SAID POINT ALSO BEING OPPOSITE AND 195 FEET FROM STATION 59+40.57 OF U.S. HIGHWAY NO. 90; THENCE SOUTH 37° 22' 00" EAST, ALONG SAID RAILROAD RIGHT-OF-WAY LINE, A DISTANCE OF 114.49 FEET; THENCE SOUTH 89° 29' 20" WEST, PARALLEL WITH THE SOUTH LINE OF SAID QUARTER SECTION, A DISTANCE OF 420.04 FEET TO A POINT ON THE EAST RIGHT-OF-WAY LINE OF U.S. HIGHWAY NO. 71 BYPASS, AND 90 FEET EAST OF THE CENTERLINE THEREOF; THENCE NORTH 01° 19' 00" EAST, ALONG SAID RIGHT-OF-WAY, A DISTANCE OF 93.20 FEET; TO A POINT OPPOSITE AND 90 FEET FROM THE STATION 11+21.27 (AHEAD) OF THE CENTERLINE OF SAID HIGHWAY; THENCE IN A NORTHEASTERLY, NORTHERLY AND NORTHWESTERLY DIRECTION ALONG A CURVE TO THE LEFT HAVING A RADIUS OF 1912.39 FEET, AND TANGENT TO THE LAST DESCRIBED COURSE, AND ALONG THE EASTERLY RIGHT-OF-WAY LINE OF SAID HIGHWAY, AN ANGLE DISTANCE OF 368.89 FEET; THENCE NORTH 01° 21' 00" EAST, ALONG SAID EASTERLY RIGHT-OF-WAY LINE, A DISTANCE OF 464.70 FEET TO THE TRUE POINT OF BEGINNING. THE BEARINGS IN THE DESCRIPTION REFER TO THE NORTH LINE OF THE SOUTHWEST QUARTER OF SECTION 8, TOWNSHIP 47, RANGE 31, IN LEE'S SUMMIT, JACKSON COUNTY, MISSOURI, ACTING BY THROUGH THE MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION IN A GENERAL WARRANTY DEED RECORDED AUGUST 25, 2016 AS DOCUMENT NO. 20160078.

### CODE ANALYSIS

GOVERNING BUILDING CODE:	2018 INTERNATIONAL BUILDING CODE 2018 INTERNATIONAL MECHANICAL CODE 2017 NATIONAL ELECTRICAL CODE 2018 PLUMBING CODE
OCCUPANCY GROUP:	M (MERCANTILE)
CONSTRUCTION TYPE:	II B
FUEL CANOPY AREA:	8,510 SQ FT
FUEL CANOPY HEIGHT:	18'-6" TO TOP OF CANOPY

### SCOPE OF WORK

THE FUELING FACILITY INCLUDES 12 ISLANDS WITH ONE DOUBLE SIDED FUEL DISPENSER EACH, ALLOWING FOR 24 AUTOMOBILE FUELING POSITIONS. THE FACILITY WOULD BE COVERED BY A 18'-6" HIGH CANOPY WITH COLOR AND SIGNAGE TO COORDINATE WITH THE MAIN WAREHOUSE.

THE COMPUTERIZED CONTROLLER, WHICH RUNS THE PAYMENT, PUMPING, AND MONITORING SYSTEMS, IS HOUSED BY A SEVEN FOOT ONE INCH (7'-1") BY SEVENTEEN FOOT (17'-0") OWNER SUPPLIED STEEL UNIT PAINTED TO COORDINATE WITH THE MAIN WAREHOUSE. FUEL AND FUEL ADDITIVE WILL BE STORED IN 4 DOUBLE WALLED, FIBERGLASS UNDERGROUND STORAGE TANKS.

THE CONTROL / MONITORING SYSTEM TO BE INSTALLED INCLUDES AN ALARM TIED INTO AN OWNER CONTRACTED 24 HOUR MONITORING SERVICE COMPANY. THE CONTINUOUS LEAK DETECTION SYSTEM WILL AUTOMATICALLY CHECK FOR FLUID LEAKS AND AUTOMATICALLY WILL STOP THE FLOW OF FUEL IN THE EVENT OF AN ALARM CONDITION.

BRIAN J. BONAR, ARCHITECT  
BRIAN J. BONAR  
NUMBER  
A-2021040571  
ARCHITECT

DATE	DESCRIPTION
1/15/25	PERMIT ISSUE

25-5563-02  
PM: WILLIE MAK  
DRAWN:

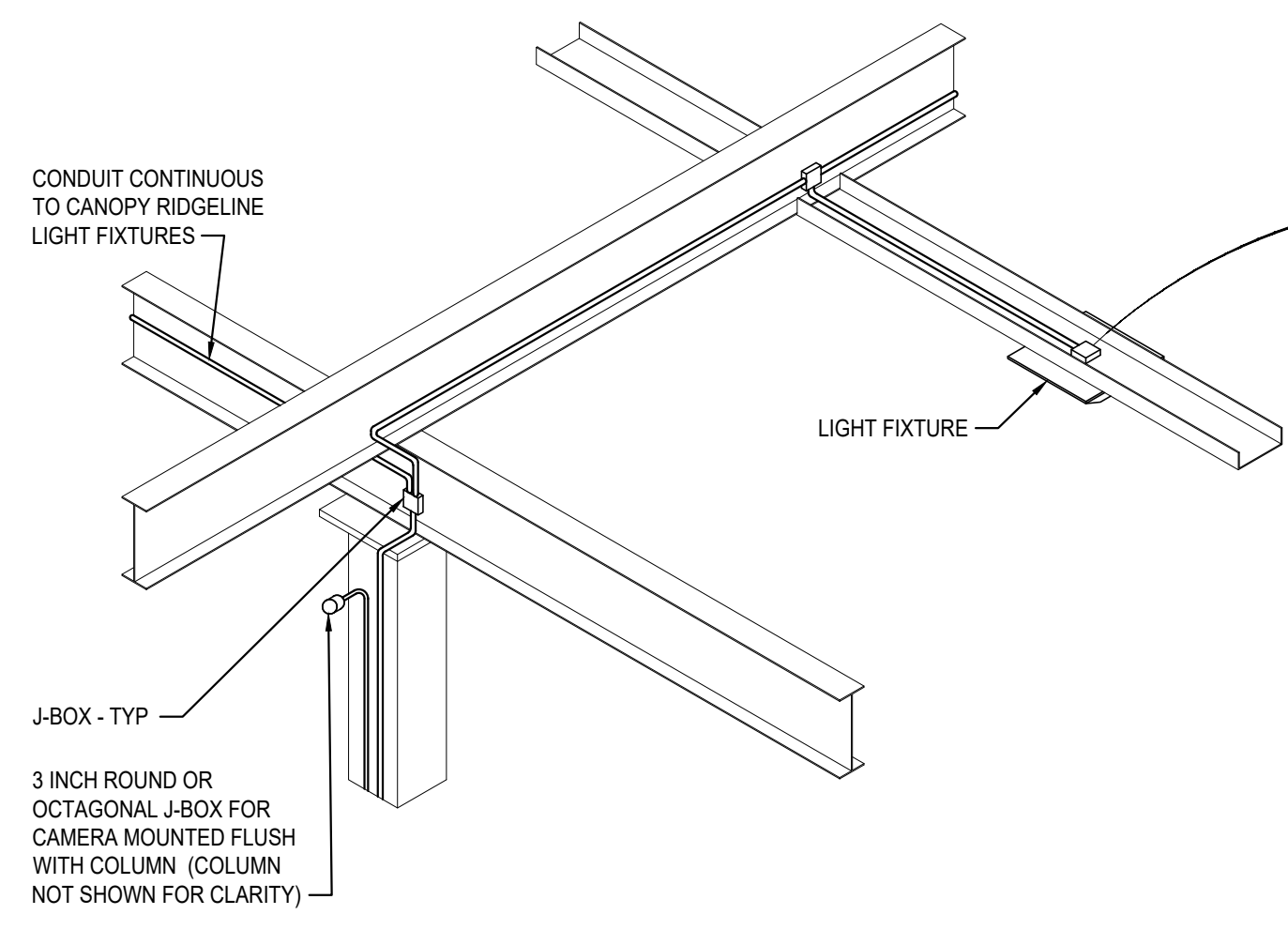
### TITLE SHEET

### TSG-1

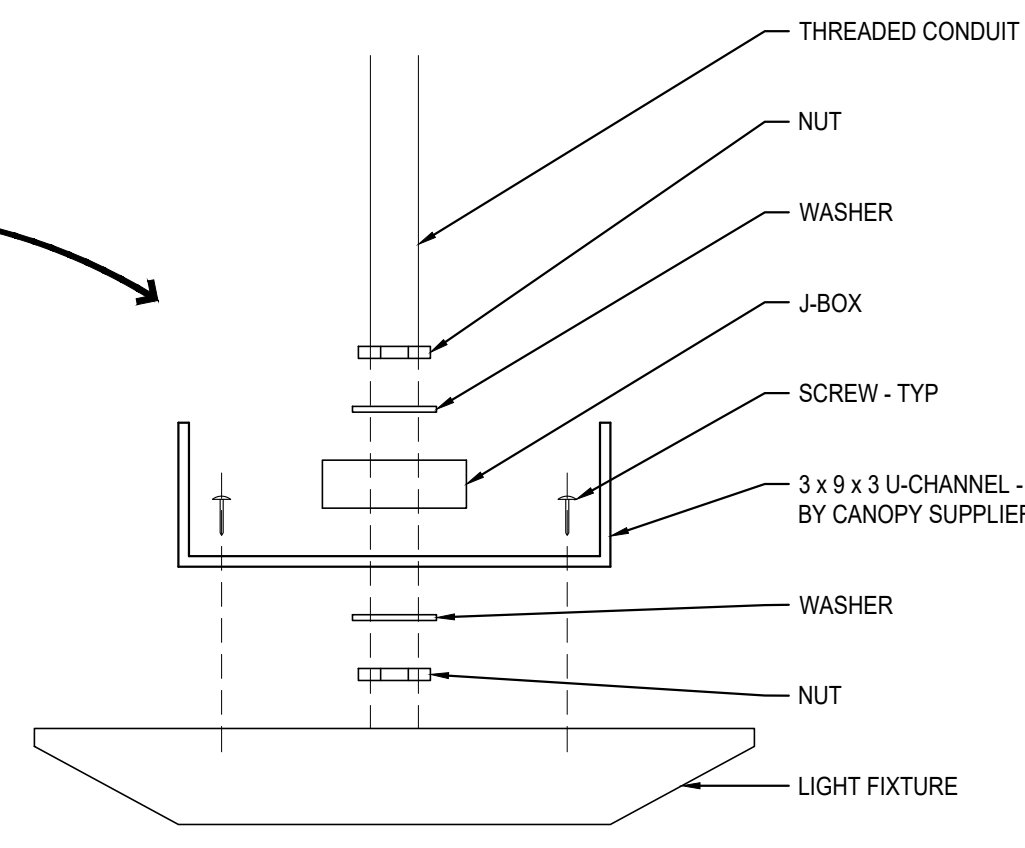
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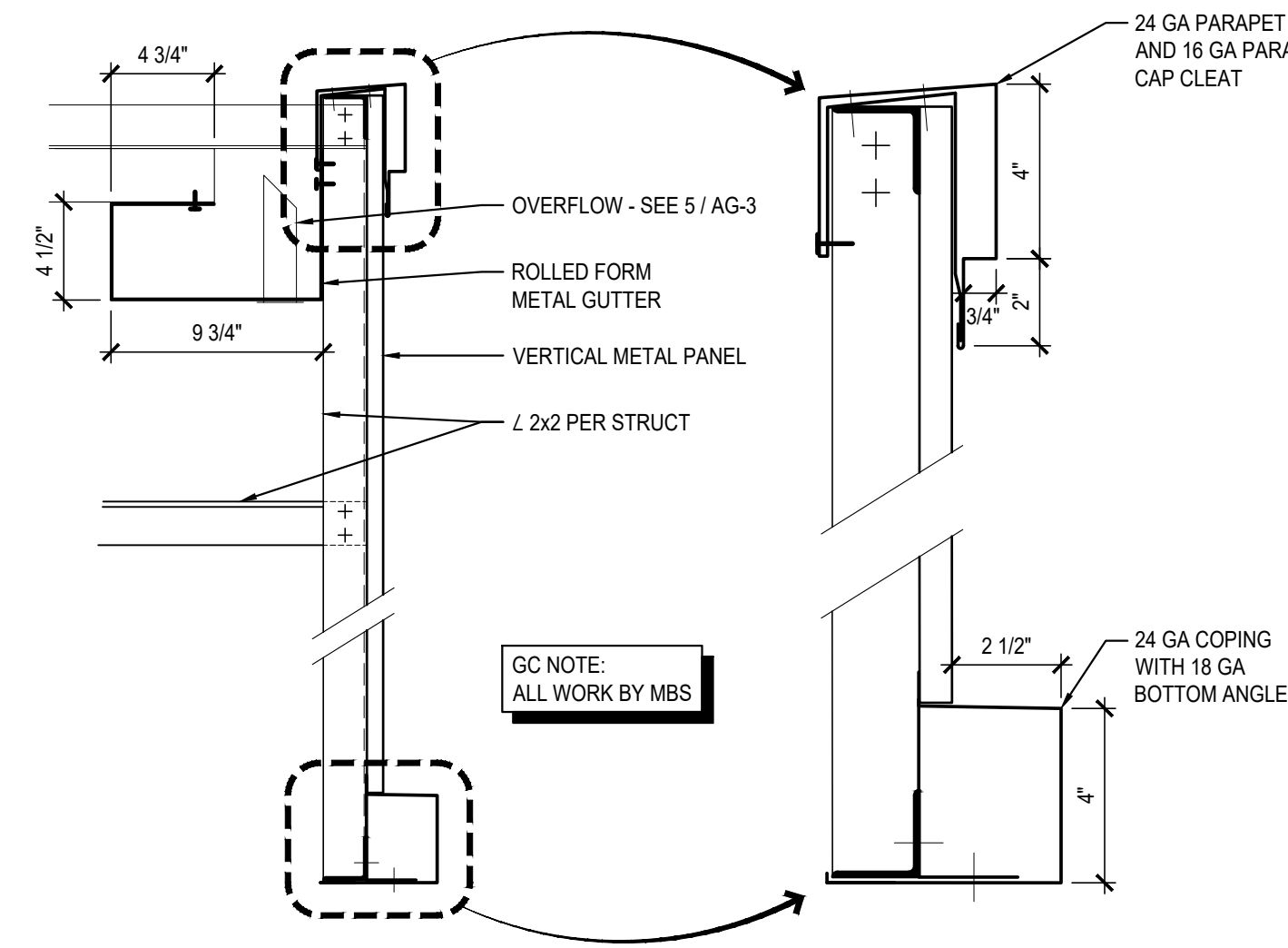




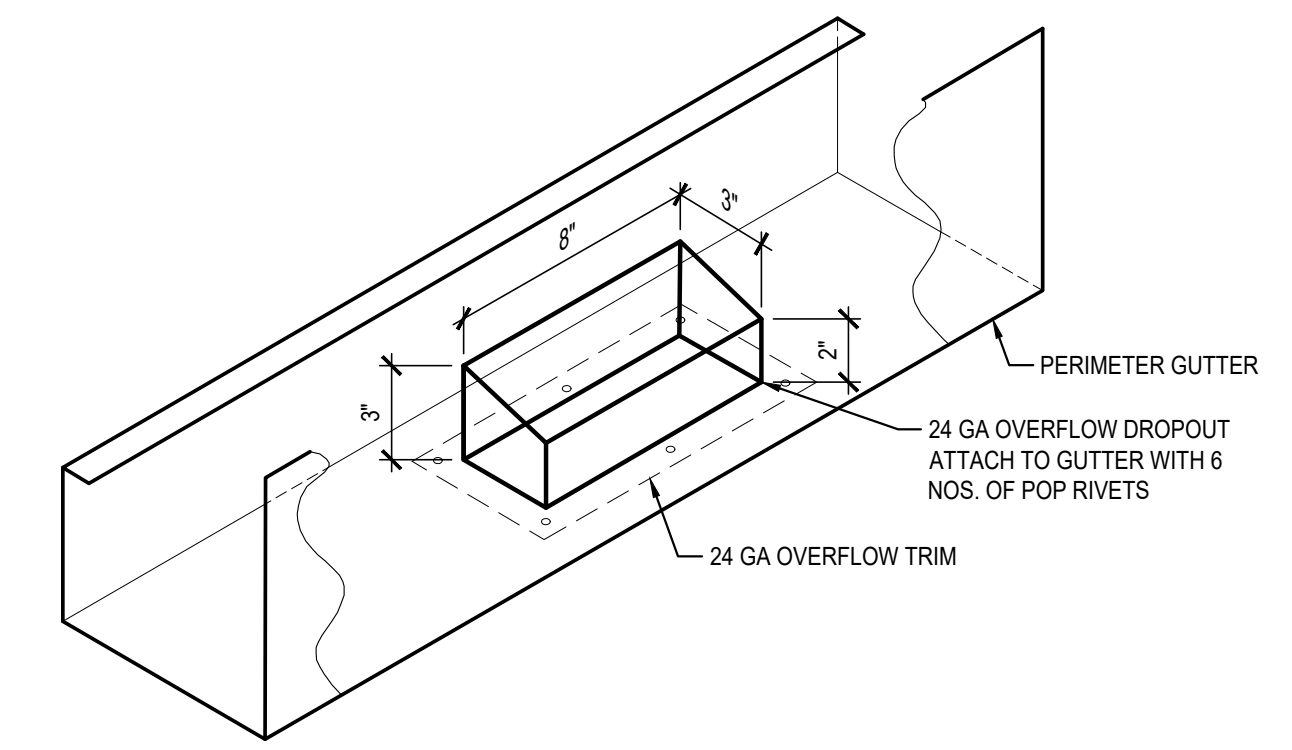
**2 CONDUIT ROUTING**  
SCALE: 3/8" = 1'-0" 0914



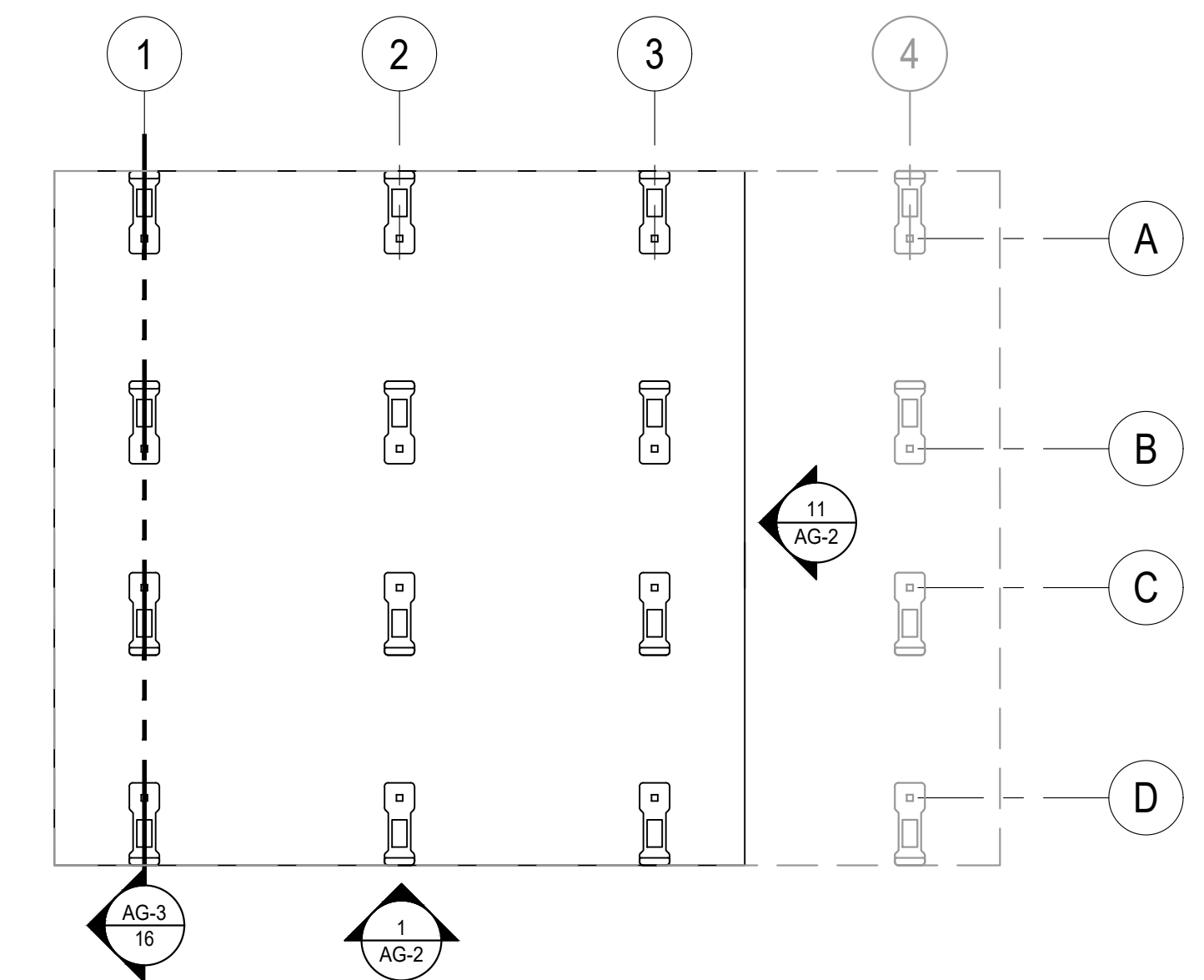
**3 LIGHT FIXTURE MOUNTING**  
SCALE: 3" = 1'-0" 0914



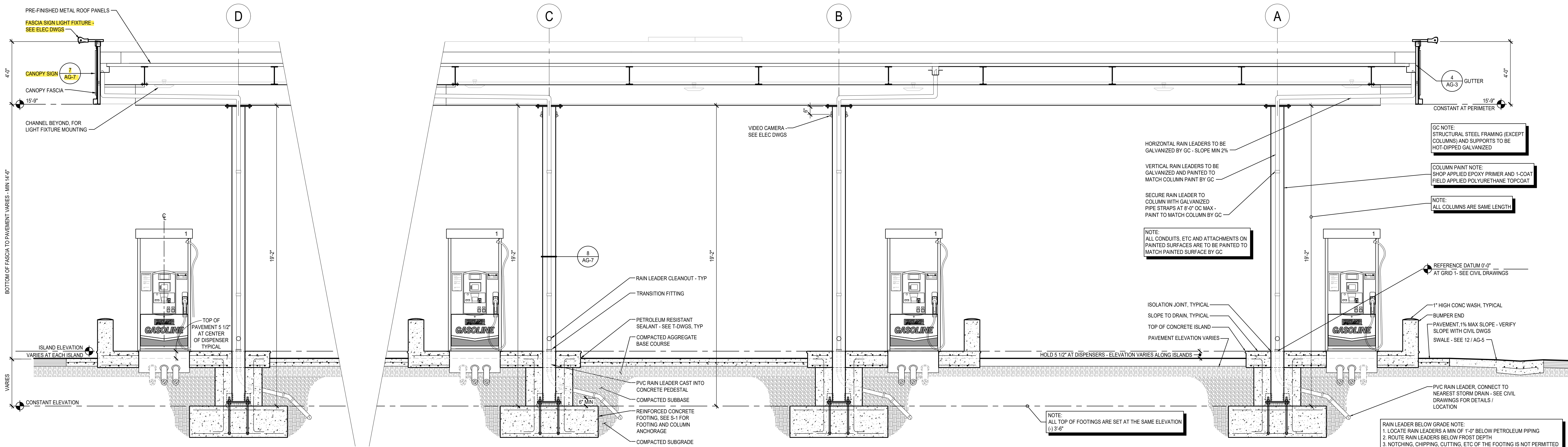
**4 PARAPET AND GUTTER**  
SCALE: 1-1/2" = 1'-0" 0523



**5 CANOPY OVERFLOW**  
SCALE: NOT TO SCALE 0124

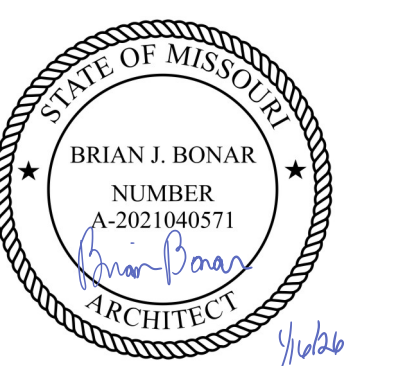


**KEY PLAN**  
SCALE: NTS



**16 CANOPY FASCIA / COLUMN SECTION LOOKING AT CONTROLLER ENCLOSURE**  
SCALE: 3/8" = 1'-0" 0725

BRIAN J. BONAR, ARCHITECT



DATE DESCRIPTION

DATE	DESCRIPTION
1/15/25	PERMIT ISSUE

25-5563-02  
PM: WILLIE MAK  
DRAWN:

CANOPY SECTION  
AND DETAILS

AG-3

