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SUBMITTED FOR REFERENCE ONLY
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NOTE;

RENDERING REPRESENTS THE SMALLS SLIDER BRAND PROTOTYPICAL PREFERRED DESIGN. ACTUAL CONSTRUCTION PRODUCT WILL/MAY VARY.

CONTRACTOR NOTES

A. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL DRAWINGS AND SPECIFICATIONS , INCLUDING BUT NOT LIMITED TO ARCHITECTURAL, CIVIL, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL PRIOR TO SUBMITTING A BID. REPORT ANY DISCREPANCIES TO ARCHITECT OR ENGINEER PRIOR TO BID.
B. BIDDERS ARE TO VISIT THE SITE AND FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS AND SATISFY THEMSELVES AS TO THE NATURE AND SCOPE OF THE WORK. THE SUBMISSION OF A BID WILL BE EVIDENCE THAT SUCH AN EXAMINATION HAS BEEN MADE. LATER CLAIMS FOR LABOR, EQUIPMENT, OR MATERIALS REQUIRED, OR FOR ANY DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN HAD AN EXAMINATION BEEN MADE, WILL NOT BE ALLOWED.
C. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ARCHITECT, AND OWNER OF ANY DISCREPANCIES ENCOUNTERED ON THE PLANS OR IN EXISTING SITE CONDITIONS PRIOR TO SUBMISSION OF BID.
D. CONTRACTOR, DURING PRE-BID SITE VISIT, SHALL TAKE NOTICE OF ANY VISUALLY APPARENT CODE VIOLATIONS AND ALLOW IN HIS/HER BID FOR CORRECTING SUCH VIOLATIONS.
E. CONTRACTORS ARE CAUTIONED TO COORDINATE ITEMS IN THEIR SCOPE OF WORK WITH OTHER TRADES.
F. ALL CONSTRUCTION TO COMPLY WITH LOCAL AND STATE CODES AND STANDARDS
G. CONTRACTOR TO PROVIDE LOW LEVEL EXIT SIGNAGE WITH BRAILLE AT ALL REQUIRED EXITS.
H. CONTRACTOR IS VERIFY EXISTING BACKFLOW PREVENTER IS PRESENT AND WORKING PROVIDE NEW OR REPAIR AS NEEDED
I. DO NOT MANUALLY SCALE THESE DRAWINGS TO FIND DIMENSIONAL INFORMATION. IF DIMENSIONS ARE MISSING OR ARE UNCLEAR CONTACT THE ARCHITECT FOR CLARIFICATION IMMEDIATELY. NO WORK SHOULD PROCEED UNTIL THE ARCHITECT HAS PROVIDED REVISED DRAWINGS CLARIFYING THE MISSING OR UNCLEAR DIMENSIONS.
J. THESE NOTES APPLY TO ALL SHEETS.

PROFESSIONALS OF RECORD:

ARCHITECT
HILL FOLEY ROSSI & ASSOCIATES, LLC
3680 PLEASANT HILL ROAD, SUITE 200
DULUTH, GA 30096
PH: (770) 622-9858

CIVIL ENGINEER
KAW VALLEY ENGINEERING, INC.
2319 N. JACKSON | PO BOX 1304
JUNCTION CITY, KANSAS 66441
PH: (785) 762-5040

MODULAR BUILDING / DESIGN / STRUCTURE / MEP / MANUFACTURER
VALIANT MODULAR, LLC
15 WEST TOWER CIRCLE
ORMOND BEACH, FL 32174
PH: (386) 677-9316

SITE AND CANOPY STRUCTURAL ENGINEER
HILL FOLEY ROSSI & ASSOCIATES, LLC
3680 PLEASANT HILL ROAD, SUITE 200
DULUTH, GA 30096
PH: (770) 622-9858

SITE MEP ENGINEER
KURZYNSKE & ASSOCIATES
2705 LEBANON PIKE, SUITE 100
NASHVILLE, TN 37214
PH: (615) 255-5203

PERMIT REVIEW NOTES

A. MODULAR BUILDING IS MANUFACTURED AND INSTALLED BY THE BUILDING MANUFACTURER.
B. MODULAR BUILDING PLANS ARE APPROVED BY THE STATE OF MISSOURI PUBLIC SERVICE COMMISSION, MANUFACTURED HOUSING DEPARTMENT AND ARE SUBMITTED WITH THE PERMIT PLANS FOR REFERENCE ONLY.

LOCATION MAP

smalls SLIDERS

SMALLS SLIDERS
210 SW OLDHAM PKWY
LEES SUMMIT, MO 64081

HILLFOLEYROSSI
ARCHITECTURE • ENGINEERING

Hill Foley Rossi & Associates
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3680 Pleasant Hill Road
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SEALED:

STATE OF MISSOURI
SCOTT D. MAGAR
NUMBER A-2006008936
ARCHITECT
10-17-2025

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COVER SHEET

REVISIONS	
NO.	DATE
*	** ** **

PROJECT NO: 252003

SHEET G0.00

DATE 10.08.25

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SMALL SLIDERS VENDOR CONTACTS

PRODUCT	VENDOR	CONTACT NAME	PHONE NUMBER	EMAIL
MODULAR BUILDING	VALIANT	DENNIS AMENDOLIA	(386) 679-2258	DENNIS@VALIANTMODULAR.COM
MODULAR BUILDING	ARNING	GAVIN CHAPMAN	(417) 846-3098	GAVIN.CHAPMAN@ARNING.COM
MENU BOARDS	THE HOWARD COMPANY	ROD CLOUSER	(262) 853-4754	ROD@HOWARDCOMPANY.COM
CLEARANCE BARS	THE HOWARD COMPANY	ROD CLOUSER	(262) 853-4754	ROD@HOWARDCOMPANY.COM
SIGNAGE	ANCHOR SIGNS	KENNETH CRABB	(843) 576-3296	KCRABB@ANCHORSIGN.COM
HOOD STARTUP	CAPTIVE AIRE	SCOTT TOWNER	(407) 269-4813	SCOTT@ADVANCEDHOODSYSTEMS.COM
MAJOR EQUIPMENT & WALK-IN COOLER INSTALL	EDWARD DON & COMPANY	JENNIFER ROLLING	(813) 395-1994	JENNIFERROLLING@DON.COM
EQUIPMENT STARTUP	EDWARD DON & COMPANY	JENNIFER ROLLING	(206) 742-1622	JENNIFERROLLING@DON.COM
KITCHEN EQUIPMENT	EDWARD DON & COMPANY	JENNIFER ROLLING	(425) 656-6670	JENNIFERROLLING@DON.COM
KITCHEN SMALLWARES	EDWARD DON & COMPANY	SEAN ROUSSEL	(504) 442-8484	SEANROUSSEL@DON.COM
SHAKE MACHINE START-UP	TFG, LLC	BRITTANY ALGAISI	(615) 256-6529	BRITTANY@TFGROUPLLC.COM
OUTDOOR FURNISHINGS	SEATING HUB	AMY HOFFMANN	(773) 373-0035	AMY.H@SEATINGHUB.COM
POS EQUIPMENT INSTALL	RDS	MAVERICK CHAPMAN	(470) 767-9086	MCHAPMAN@RDSPOS.COM
MERCHANT PAYMENT SERVICES	RDS	MIRIAM BAKER	(470) 767-9086	PAYMENTSERVICES@RDSPOS.COM
PRE-OPENING KIT	VIVID INK	KARNA FREEMAN	(225) 603-8916	KARNA@VIVIDINK.COM
GRAND OPENING KIT	VIVID INK	KARNA FREEMAN	(225) 603-8916	KARNA@VIVIDINK.COM
LINEN PROVIDER	CINTAS	JIM STEVENS	(225) 252-0566	JSTEVENS@CINTAS.COM
NETWORKING & PCI COMPLIANCE	VIKING CLOUD	MATT DELLACROCE	(610) 937-7028	MATTHEWDELLACROCE@VIKINGCLOUD.COM
A/V EQUIPMENT	BUSINESS SOUND	DEREK GUIDRY	(225) 939-7543	DEREK@BUSINESSSOUND.NET
MUSIC	ROCKBOT	MICHAEL SIMONTON	(415) 335-4157	MICHAEL.SIMONTON@ROCKBOT.COM
FOOD SERVICE PROVIDER	PERFORMANCE FOOD GROUP	DWAYNE ROBINSON	(850) 443-2492	DWAYNE.ROBINSON@PFGC.COM
FLOOR CLEANER	PERFORMANCE FOOD GROUP	DWAYNE ROBINSON	(850) 443-2493	DWAYNE.ROBINSON@PFGC.COM
Co2 PROVIDER	NUCo2	ELIZABETH CONTI	(772) 284-3726	ELIZABETH.CONTI@NUCo2.COM
TEA EQUIPMENT	COMMUNITY COFFEE	RON MANNINO	(678) 656-7199	RMANNINO@COMMUNITYCOFFEE.COM
FOUNTAIN DRINK MACHINES	COCA-COLA	PARKER SHANK KATINA BROWN	(470) 716-3046 (800) 531-2238 x3454	PASHANK@COCA-COLA.COM KATIBROWN@COCA-COLA.COM
GREASE TRAP AND COOKING OIL RENDERING	DARPRO SOLUTIONS	GABBY PULLEN	(469) 673-9636	GABRIELLE.PULLEN@DARLINGII.COM
CHEMICAL EQUIPMENT	PROCTOR & GAMBLE	ASHLEY JACKSON KIM HUEY		JACKSON.AM.1@PG.COM HUEY.KD@PG.COM
FIRST AID AND BODILY FLUID KIT	EDWARD DON & COMPANY	SEAN ROUSSEL	(504) 442-8484	SEANROUSSEL@DON.COM
K9GRASS WITH AIRGRID OR OVER AGREGARE	FOREVERLAWN	NOAH MANG	(330) 499-8873	NOAH@FOREVERLAWN.COM
EXHAUST GREASE DISPOSAL & FILTER PADS	ROOFTOP SOLUTIONS	JULIA GALASSINI HOEKSTRA	(331) 301-4147	JULIA.GALASSINI@ROOFTOPSOLUTIONS.COM

GENERAL NOTES

1. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO PRECEDING WITH WORK. FOR DIMENSIONS NOT SHOWN.
2. DO NOT SCALE ANY DRAWINGS. USE WRITTEN DIMENSIONS ONLY. SUBMIT TO ARCHITECT ANY DISCREPANCIES FOR CLARIFICATION.
3. ALL WORK SHALL BE IN COMPLIANCE WITH THE STANDARD BUILDING RECOGNIZED INDUSTRY STANDARDS, CRAFTSMANSHIP STANDARDS IN THE AREA, ALL MANUFACTURERS RECOMMENDATIONS, AND ALL OTHER APPLICABLE CODES.
4. THE CONTRACTOR SHALL CONSTRUCT THIS PROJECT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, UNLESS WRITTEN NOTIFICATION FROM THE OWNER OR ARCHITECT TO THE CONTRARY IS RECEIVED.
5. PROVIDE ACCESSIBILITY FOR PHYSICALLY HANDICAPPED CONFORMING TO CODES LISTED ON THE COVER SHEET.
6. THE LOCATION OF THE EXISTING UTILITIES AND STRUCTURES SHOWN HEREON ARE APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE AND ACTUAL LOCATION OF SUCH, WHETHER SHOWN HEREIN OR NOT, PRIOR TO EXCAVATION. ANY DAMAGES SHALL BE REPAIRED AT THE EXPENSE OF THE GENERAL CONTRACTOR.
7. THE CONTRACTOR SHALL PROVIDE ADEQUATE BRACING AND SHORING FOR ALL WORK DURING THE CONSTRUCTION PERIOD, AS REQUIRED.
8. PROVIDE ILLUMINATED EXIST SIGNS, OR AS ALLOWED BY IBC., WITH A BATTERY BACKUP DESIGNATING EXITS AND WAYS OF TRAVEL.
9. REFER TO PLANS FOR TYPE AND LOCATIONS OF FIRE EXTINGUISHERS. ALL FIRE EXSTINGUISHERS ARE TO BE MOUNTED WHERE THEY ARE READILY VISIBLE AND ACCESSIBLE. INSTALL IN ACCORDANCE WITH NFPA 20 OR PER LOCAL AUTHORITY.
10. EVERY INTERIOR AND EXTERIOR DOOR IN THE TENANT SUITE SHALL BE PROVIDED WITH ACCESSIBLE HARDWARE (LEVERS, PANIC HARDWARE, OR U-SHAPE DESIGNED DEVICES, ETC.)
11. PROVIDE SEPARATION BETWEEN ALL DISSIMILAR METALS INCLUDING SCREWS, NAILS AND OTHER FASTENING DEVICES.
12. WHERE MATERIAL FASTENERS ARE NOT INDICATED, PROVIDE AS SPECIFIED BY THE MATERIAL MANUFACTURER'S RECOMMENDATIONS AND PROCEDURES.
13. USE ONLY "LEAD-FREE" PIPE AND SOLDER FOR DOMESTIC WASTE SYSTEM. (SAFE DRINKING WATER ACT OF 1986 AND S.S.P.C., SECTION 1210.4).
14. ALL EXTERIOR MECHANICAL OPENINGS LARGER THAN 12"X12" SHALL BE EQUIPPED WITH BURGLAR BARS.
15. ALL MATERIALS ARE TO BE NEW UNLESS OTHERWISE NOTED.
16. PRIOR TO START OF CONSTRUCTION. THE GENERAL CONTRACTOR SHALL VISIT THE SITE TO FIELD VERIFY EXISTING CONDITIONS. EXISTING CONDITIONS INCLUDE BUT ARE NOT LIMITED TO DIMENSIONS, LOT LINES, AND UTILITIES. GENERAL CONTRACTOR IS TO NOTIFY ARCHITECT IF ANY DIMENSIONS DO NOT MATCH THOSE SHOWN OR IF THERE ARE ANY DISCREPANCIES OR CONFLICTS WITH THE CONSTRUCTION DRAWINGS IMMEDIATELY.
17. IT SHALL BE THE RESPONSIBILITY OF THE SUBCONTRACTOR TO COORDINATE WITH OTHER SUBCONTRACTORS/TRADES. FAILURE TO DO SO WILL NOT CONSTITUTE GROUNDS FOR A CHANGE ORDER.
18. GENERAL CONTRACTOR TO PATCH AND REPAIR TO "LIKE NEW" ANY AREA THAT IS DISTURBED DURING DEMOLITION AND CONSTRUCTION.

RESPONSIBILITY MATRIX

	MODULAR BUILDING MANUFACTERER	AXCESS CONSTRUCTION	GENERAL CONTRACTOR	OWNER	CAPTIVEAIRE	EQUIPMENT SUPPLIER	COMMENTS
MODULAR BUILDING							
PROVIDE RESTROOM FIXTURES	●						
PROVIDE INTERIOR ELECTRICAL PANELS	●						
PROVIDE INTERIOR LIGHTING FIXTURES	●						
INSTALL INTERIOR/ EXTERIOR FINISHES	●						
INSTALL INTERIOR PARTIIONS	●						
INSTALL INTERIOR/ EXTERIOR DOORS	●						
INSTALL PASS-THRU WINDOWS	●						
MARSHAL DELIVERY OF MODULAR BULDING	●		●				COORDINATE WITH MODULAR BUILDING MANUFACTURER
PROVIDE AND INSTALL PARAPET WALLS	●						
TRANSFER MODULAR BUILDING TO FOUNDATION		●	●				SITE MUST BE LEVEL AND COMPACTED SO NEITHER THE DELIVER TRUCK OR CRANE BECOME STUCK DURING TRANSFER OPERATIONS. IF THE SITE IS WET THE GC MUST SUPPLY MATTS FOR CRANES AND TRUCKS. A PRE-DELIVERY MEETING WITH THE SELECTED CRANE COMPANY IS REQUIRED TO DISCUSS CRANE ACCESS AND PLACEMENT. CONTACT MODULAR BUILDING MANUFACTURER FOR COORDINATION.
WELD MODULAR BUILDING TO FOUNDATION			●				
WELD SHIPPING CONTAINER TO BUILDING TOP PLATES AND TEE-COLUMN			●				
WELD TOP PLATE ONTO EXHAUST HOOD FAN RISER			●				
INSTALL INTERIOR LIGHTING FIXTURES			●				FIXTURES PROVIDED BY MODULAR BUILDING MFR.
INSTALL EXTERIOR LIGHTING FIXTURES - WALL PACKS			●				FIXTURES PROVIDED BY MODULAR BUILDING MFR.
SITE POLE LIGHTING; FOUNDATIONS, POLES, AND FIXTURES							PROVIDED AND INSTALLED BY GENERAL CONTRACTOR
CONNECT POWER TO EXHAUST HOOD FAN			●				MODULAR BUILDING MFR. TO SUPPLY WIRE AND DISCONNECT AT UNIT
CONNECT PRE-INSTALLED ELECTRICAL WHIPS TO ROOFTOP HVAC UNIT			●				MODULAR BUILDING MFR. SUPPLIES AND PLACES UNIT. MODULAR BUILDING MANUFACTURER TO SUPPLY WIRE TO UNIT. GC TO CONNECT POWER.
CONNECT ROOF TOP CONDENSING UNITS.			●				MODULAR BUILDING MFR. TO SUPPLY WIRING TO ROOFTOP FOR UNITS. GC TO SUPPLY DISCONNECTS TO THESE UNITS
CONNECT MAIN POWER TO BUILDING			●				GC TO MAKE UNDERGROUND CONNECTION TO INTERIOR PANEL LUGS. PANEL INSTALLED BY MODULAR BUILDING MANUFACTURER.
CONNECT ROOFTOP HVAC CONDENSATION LINE TO ROOFTOP DRAIN.			●				
ARRANGE HVAC STARTUP AND FINAL INSPECTION OF HOODVENT			●				CALL SCOTT TOWNER AT ADVANCED HOODS (CAPTIVAIRE) (407) 269-4813. MUST PROVIDE A MINIMUM TWO WEEKS NOTICE.
STARTUP HVAC					●		
HOOD VENT TEST AT FINAL INSPECTION					●		
PROVIDE WALK-IN COOLER/FREEZER FENCING METAL PANELS	●						MOD. BLDG. MANUF. TO SUPPLY FENCING METAL PANELS. TYPICALLY SAME METAL PANELS AS BLDG.
INSTALL WALK-IN COOLER/FREEZER FENCING			●				GC TO INSTALL THE METAL FENDING PANELS.
WALK-IN COOLER							
WALK-IN COOLER / FREEZER FOUNDATION			●				REFER TO S1.00
ASSEMBLE, ANCHOR, AND COVER WALKING UNITS WITH ROOFING MEMBRANE						●	CONCRETE SURROUNDING WALK-IN COOLER FOUNDATION MUST BE INSTALLED AND CURED PRIOR TO INSTALLATION OF WALK-IN COOLERS FOR WALK-IN ANCHORS TO BE INSTALLED.
LOCATE CONDENSERS ON TOP OF MODULAR BUILDING						●	
PROVIDE FLASHING BETWEEN WALK-INS AND MODULAR BUILDING			●				
INSTALL LIGHTING FIXTURES IN WALK-INS			●				
CONNECT POWER TO WALK-IN LIGHT FIXTURES AND MISCELLANEOUS OTHER ELECTRICAL IN WALK-IN COOLER.			●				
CONNECT POWER TO WALK-IN FOR CONDENSERS, EVAPORATORS			●				
RUN CONDENSATION LINES			●				ALL PENETRATIONS ARE GC RESPONSIBILITY
RUN REFRIGERATION LINES						●	
SITE WORK							
MODULAR BUILDING FOUNDATION AND ANCHORAGE			●				
DRIVE THROUGH CANOPY FOUNDATION			●				
DRIVE THROUGH CANOPY STEEL			●				ORDER, SUBMIT SHOP DRAWINGS, INSTALL, PAINT
DRIVE THROUGH CANOPY ROOFING PANELS			●				
DRIVE THROUGH CANOPY ELECTRICAL			●				
PATIO CANOPY STEEL FOUNDATION AND ANCHORAGE			●				
PATIO CANOPY STEEL			●				ORDER, SUBMIT SHOP DRAWINGS, INSTALL, PAINT
PATIO CANOPY ROOFING PANELS/ FLASHING TO MODULAR BUILDING			●				
PATIO CANOPY ELECTRICAL			●				
RUN ELECTRICAL TO BUILDING			●				PROVIDE TRENCHING AS REQUIRED TO COMPLETE WORK
RUN DOMESTIC WATER TO BUILDING			●				PROVIDE TRENCHING AS REQUIRED TO COMPLETE WORK
RUN GAS TO BUILDING			●				PROVIDE TRENCHING AS REQUIRED TO COMPLETE WORK
CONNECT SANITARY SEWER TO MODULAR BUILDING STUB-OUTS BENEATH THE MODULAR BUILDING			●				PROVIDE TRENCHING AS REQUIRED TO COMPLETE WORK
DEMO EXISTING CONCRETE/ ASPHALT, ETC. AS REQUIRED TO CONNECT POWER, DOMESTIC WATER, GAS AND SANITARY SEWER TO BUILDING AND ELECTRICAL FROM BUILDING TO SITE ELEMENTS REQUIRING POWER AND COMMUNICATION LINES.			●				
PROVIDE FOUNDATION, ANCHORAGE, ELECTRICAL AND COMMUNICATION CONDUIT TO SITE SIGNAGE AND MENUBOARDS			●				
PROVIDE DRIVE THROUGH MENU BOARDS				●			
PROVIDE SITE SIGNAGE				●			
PROVIDE SITE LIGHTING FOUNDATIONS, ANCHORAGE, AND ELECTRICAL STUB-OUTS			●				
PROVIDE POWER TO SIGHT LIGHTING FIXTURES			●				
ROUTE SITE LOW VOLTAGE POWER CONDUIT			●				GC TO CORE TO MAKE CONNECTIONS TO BUILDING PANELS
TREX PATIO RAILING			●				
DUMPSTER PAD AND ENCLOSURE FENCING			●				
LANDSCAPING IRRIGATION LINES, SLEEVES, AND CONTROL EQUIPMENT. MAY REQUIRE SEPARATE METER			●				
LANDSCAPING VEGETATION AND MULCH OR GRAVEL AS CALLED FOR			●				
PATIO RECESSED ARTIFICIAL TURF			●				
PATIO RECESSED TRENCH DRAIN BENEATH ARTIFICIAL TURF			●				
SITE PAINTED STRIPING AND DIRECTIONAL SIGNAGE			●				

smalls SLIDERS®

SMALLS SLIDERS
210 SW OLDHAM PKWY
LEES SUMMIT, MO 64081

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ARCHITECTURE • ENGINEERING

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SEALED:
STATE OF MISSOURI
SCOTT D. MAGAR
NUMBER A-2006008936
ARCHITECT
10-17-2025

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RESPONSIBILITY SCHEDULE

REVISIONS	
NO.	DATE
*	**.**.**

PROJECT NO: 252003

SHEET G0.01

DATE 10.08.25

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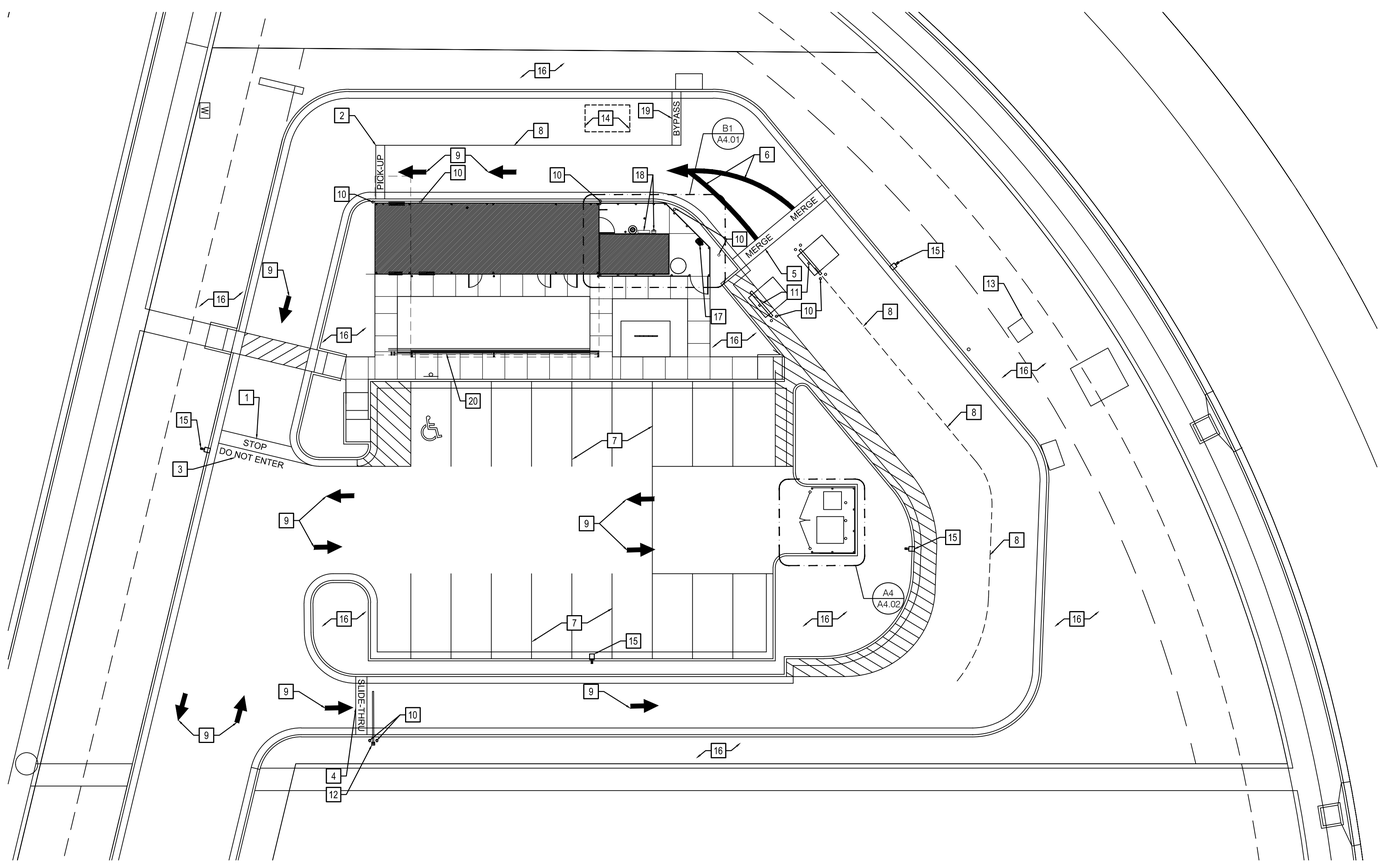
GENERAL NOTES - ARCHITECTURAL SITE PLAN

1	NOTICE - THE SITE PLAN DESIGNATED ON THIS SHEET IS FOR REFERENCE ONLY AND IS A REPRESENTATION OF THE EXISTING CONDITIONS AND THE PROPOSED IMPROVEMENTS TO THE SITE. IN NO WAY, NOR IS IT INTENDED IN ANY WAY, TO REPRESENT A LEGAL OR BOUNDARY SURVEY. SEE CIVIL SHEETS FOR MORE INFORMATION.
2	THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS RELATED TO THE DEMOLITION AND CONSTRUCTION WORK TO BE DONE AND BE RESPONSIBLE FOR THE SAME. MAKE ADJUSTMENTS AS NECESSARY. NOTIFY ARCHITECT AND CIVIL ENGINEER OF RECORD OF ANY DISCREPANCIES WHICH MAY AFFECT THE OUTCOME OF WORK.
3	MAINTAIN A CLEAN SITE AT ALL TIMES.
4	THE CONTRACTOR SHALL CONTACT ALL LOCAL UTILITY COMPANIES AND VERIFY ALL UTILITY LOCATIONS PRIOR TO DEMOLITION AND CONSTRICTION WORK BEGINS.

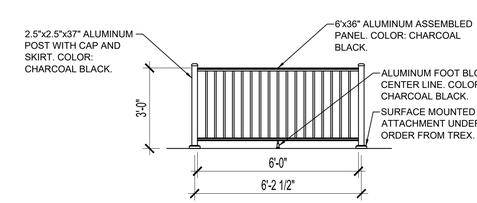
KEY NOTES - ARCHITECTURAL SITE PLAN

#	
1	PAINTED STOP LINE; BACKGROUND RED; TEXT WHITE.
2	PAINTED PICKUP LINE; BACKGROUND ORANGE; TEXT WHITE.
3	TEXT; COLOR WHITE
4	PAINTED SLIDE-THRU LINE; BACKGROUND ORANGE; TEXT WHITE.
5	PAINTED MERGE LINE; BACKGROUND ORANGE; TEXT WHITE.
6	PAINTED DIRECTIONAL MERGE ARROW; COLOR ORANGE.
7	SOLID STRIPING; COLOR WHITE (TYPICAL).
8	DASHED STRIPING; COLOR WHITE (TYPICAL).
9	PAINTED DIRECTIONAL ARROW; COLOR WHITE (ALL).
10	BOLLARD
11	DRIVE-THRU ORDER POINT/MENU BOARD WITH INTEGRAL CANOPY
12	SINGLE CLEARANCE BAR
13	PROPOSED LOCATION OF TRANSFORMER. SEE ME SHEETS FOR MORE INFORMATION.
14	PROPOSED LOCATION OF GREASE TRAP. SEE ME SHEETS FOR MORE INFORMATION.
15	PROPOSED LOCAITON OF SITE LIGHTING. SEE ME SHEETS FOR MORE INFORMATION.
16	LANDSCAPING (BY OTHERS). SEE LANDSCAPING SHEETS FOR MORE INFORMATION.
17	PROPOSED LOCATION OF GAS METER. SEE ME SHEETS FOR MORE INFORMATION.
18	ELECTRIC MDP/CT/METER. SEE ME SHEETS FOR MORE INFORMATION.
19	PAINTED BYPASS LINE; BACKGROUND ORANGE; TEXT WHITE - NOT USED.
20	TREX SIGNATURE RAIL FENCE KIT. INSTALL BETWEEN SIDEWALK AND TURF AREA (BETWEEN COLUMNS). SEE ENLARGED PATIO PLAN SHEET A2.01. BREAK RUN AT DOWNSPOUT LOCATIONS.



A1 SITE PLAN

SCALE: 1/16" = 1'-0"



NOTE:
ASSEMBLED PANELS COME IN LENGTHS OF 4', 6', AND 8'. 6'x36" ALUMINUM ASSEMBLED PANEL SHOWN. COLOR: CHARCOAL BLACK.

A5 TYPICAL ALUMINUM RAIL

SCALE: 3/8" = 1'-0"

smalls SLIDERS

SMALLS SLIDERS
210 SW OLDHAM PKWY
LEES SUMMIT, MO 64081

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Hill Foley Rossi & Associates
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ARCHITECTURAL SITE PLAN

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NO.	DATE
*	** ** **

PROJECT NO: 252003

SHEET A1.01

DATE 10.08.25

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10/16/2025 1:19:36 PM, andre

1-2 POSTS, CAPS & SKIRTS *(continued)*

COMPONENT	ORIENTATION	DIMENSIONS	ITEM #	COLORS
Aluminum Post with Premounted Brackets Includes post with premounted brackets, cap and skirt.	Line	2.5" x 2.5" x 37" Post with Brackets	BKAL252537RCAPLINE	BK
		2.5" x 2.5" x 43" Post with Brackets	BKAL252543RCAPLINE	
	End	2.5" x 2.5" x 37" Post with Brackets	BKAL252537RCAPEND	
		2.5" x 2.5" x 43" Post with Brackets	BKAL252543RCAPEND	
	Corner	2.5" x 2.5" x 37" Post with Brackets	BKAL252537RCAPCNR	
		2.5" x 2.5" x 43" Post with Brackets	BKAL252543RCAPCNR	

Dimensions above are nominals. See below for actuals and metrics.
2.5 in x 2.5 in x 36 in (63 mm x 63 mm x 914 mm)
2.5 in x 2.5 in x 37 in (63 mm x 63 mm x 939 mm)
2.5 in x 2.5 in x 42 in (63 mm x 63 mm x 106 cm)
2.5 in x 2.5 in x 43 in (63 mm x 63 mm x 109 cm)
2.5 in x 2.5 in x 53 in (63 mm x 63 mm x 134 cm)
2.5 in x 2.5 in x 63 in (63 mm x 63 mm x 160 cm)

3 RAIL KITS

ALUMINUM RAILING

COMPONENT	ORIENTATION	DIMENSIONS	ITEM #	COLORS
Aluminum Rail & Square Baluster Kit Includes top rail, bottom rail, balusters and mounting and support hardware.	Horizontal	6' x 36" Rail & Baluster Kit	XXAS0636HRK	WT BZ BK
		8' x 36" Rail & Baluster Kit	XXAS0836HRK	
		6' x 42" Rail & Baluster Kit	XXAS0642HRK	
		8' x 42" Rail & Baluster Kit	XXAS0842HRK	
	Stair	6' x 36" Rail & Baluster Kit	XXAS06365SRK	
		8' x 36" Rail & Baluster Kit	XXAS08365SRK	
		6' x 42" Rail & Baluster Kit	XXAS06425SRK	
		8' x 42" Rail & Baluster Kit	XXAS08425SRK	
Aluminum Rail & Round Baluster Kit Includes top rail, bottom rail, balusters and mounting and support hardware.	Horizontal	6' x 36" Rail & Baluster Kit	BKAR0636HRK	BK
		8' x 36" Rail & Baluster Kit	BKAR0836HRK	
		6' x 42" Rail & Baluster Kit	BKAR0642HRK	
		8' x 42" Rail & Baluster Kit	BKAR0842HRK	
	Stair	6' x 36" Rail & Baluster Kit	BKAR06365SRK	
		8' x 36" Rail & Baluster Kit	BKAR08365SRK	
		6' x 42" Rail & Baluster Kit	BKAR06425SRK	
		8' x 42" Rail & Baluster Kit	BKAR08425SRK	

Dimensions above are nominals. See below for actuals and metrics.
4' x 36": 48 in x 36 in (122 cm x 914 mm)
4' x 42": 48 in x 42 in (122 cm x 106 cm)
6' x 36": 72 in x 36 in (182 cm x 914 mm)
6' x 42": 72 in x 42 in (182 cm x 106 cm)

XX = COLOR PREFIX

WT Classic White BZ Bronze
BK Charcoal Black

HOME

57

C1 ALUMINUM POST WITH PRE-MOUNTED BRACKETS
SCALE: N.T.S.

NOTE:
GENERAL CONTRACTOR TO VERIFY COMPONENTS WITH TREX TO ENSURE ITEMS ARE FOR TREX ALUMINUM SIGNATURE SERIES 36" HIGH RAILING.
COLOR: CHARCOAL BLACK

TREX SIGNATURE® RAILING

3 RAIL KITS *(continued)*

ALUMINUM RAILING

COMPONENT	ORIENTATION	DIMENSIONS	ITEM #	COLOR
Aluminum Assembled Square Baluster Panel Includes a preassembled panel of railing with square balusters. Mounting hardware sold separately.	Horizontal	4' x 36" Assembled Panel	BKAS0436HRPNL	BK
		6' x 36" Assembled Panel	BKAS0636HRPNL	
		8' x 36" Assembled Panel	BKAS0836HRPNL	
		4' x 42" Assembled Panel	BKAS0442HRPNL	
		6' x 42" Assembled Panel	BKAS0642HRPNL	
		8' x 42" Assembled Panel	BKAS0842HRPNL	
	Stair	6' x 36" Assembled Stair Panel	BKAS06365RPNL	
		6' x 42" Assembled Stair Panel	BKAS06425RPNL	
		8' x 36" Assembled Stair Panel	BKAS08365RPNL	
		8' x 42" Assembled Stair Panel	BKAS08425RPNL	

Dimensions above are nominals. See below for actuals and metrics.
4' x 36": 48 in x 36 in (122 cm x 914 mm)
4' x 42": 48 in x 42 in (122 cm x 106 cm)
6' x 36": 72 in x 36 in (182 cm x 914 mm)
6' x 42": 72 in x 42 in (182 cm x 106 cm)

ROD RAIL

COMPONENT	ORIENTATION	DIMENSIONS	ITEM #	COLORS
Rod Rail Kit Includes top rail, bottom rail, rods and mounting and support hardware.	Horizontal	6' x 36" Rod Rail Kit	XXXRODD0636HRK	BKBK First color denotes rails; second color denotes infill.
		8' x 36" Rod Rail Kit	XXXRODD0836HRK	
		6' x 42" Rod Rail Kit	XXXRODD0642HRK	
		8' x 42" Rod Rail Kit	XXXRODD0842HRK	
	Stair	6' x 36" Rod Rail Kit	XXXRODD06365RK	
		8' x 36" Rod Rail Kit	XXXRODD08365RK	
		6' x 42" Rod Rail Kit	XXXRODD06425RK	
		8' x 42" Rod Rail Kit	XXXRODD08425RK	

MESH RAILING

COMPONENT	ORIENTATION	DIMENSIONS	ITEM #	COLORS
Mesh Rail Kit Includes top rail, bottom rail, verticals, and mounting and support hardware. Mesh infill sold separately.	Horizontal	6' x 36" Mesh Railing Kit	XXA0636PNLHRK	BZ BK
		8' x 36" Mesh Railing Kit	XXA0836PNLHRK	
		6' x 42" Mesh Railing Kit	XXA0642PNLHRK	
		8' x 42" Mesh Railing Kit	XXA0842PNLHRK	
	Stair	6' x 36" Mesh Railing Kit	XXA06365PNLSRK	
		8' x 36" Mesh Railing Kit	XXA08365PNLSRK	
		6' x 42" Mesh Railing Kit	XXA06425PNLSRK	
		8' x 42" Mesh Railing Kit	XXA08425PNLSRK	

Dimensions above are nominals. See below for actuals and metrics.
6' x 36": 72 in x 36 in (182 cm x 914 mm)
6' x 42": 72 in x 42 in (182 cm x 106 cm)
6' (72 in (182 cm)
8' x 36": 96 in x 36 in (243 cm x 914 mm)
8' x 42": 96 in x 42 in (243 cm x 106 cm)

FIND A BUILDER — ORDERING HELP — DESIGN HELP

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A1 BALUSTER PANEL KIT
SCALE: N.T.S.

ACCESSORIES

COMPONENT	DESCRIPTION	ORIENTATION	ITEM #	COLORS
IRC Aluminum Mounting Plate & Hardware Includes hardware for 2.5" IRC Trex Signature surface mount posts, 1 aluminum backer plate, 4 HG carriage bolts and 4 HG washers and nuts.	Surface mount post attachment hardware for wood substructure used to achieve IRC-compliant post attachment.	n/a	ALPOSTHWDECK	n/a
Concrete Post Mount Kit Includes (4) 3/8" x 3-3/4" (9.5 mm x 76 mm) expansion anchors, 4 flat washers and 4 hex nuts.	Surface mount post attachment hardware for concrete used to achieve IRC-compliant post attachment.	n/a	ALPOSTHWCONC	n/a
Fascia Mount Bracket - Wood Framing Includes fascia mount bracket.	Required for the mounting of Trex Signature joist mount post; for fascia mount applications only.	n/a	XXFMNTWOOD	WT BZ BK
Fascia Mount Post - Corner Kit Includes fascia mount bracket and hardware for 2.5" Trex Signature joist mount post.	Mounting bracket and hardware for joist mount double-corner posts, used for fascia-mounted Trex Signature railing installations. Fascia mount brackets also required. For wood frames only.	n/a	XXCORNERFMNTWOOD	WT BZ BK
Rod Rail Vertical Cut Kits Includes end verticals, anti-rattle straws and mounting hardware.	Use as an accessory for cut rod rail kit sections. Brackets not included.	Horizontal	XX36RODHVERTK	BK
			XX42RODHVERTK	
		Stair	XX36RODSVERTK	
			XX42RODSVERTK	
Mesh Rail Vertical Cut Kits Includes vertical supports, vertical gaskets, L-brackets and hardware.	Use as an accessory for cut mesh rail kit sections. Includes 1 bracket pack.	Horizontal	XX36MSHHVERTK	BZ BK
			XX42MSHHVERTK	
		Stair	XX36MSHSVERTK	
			XX42MSHSVERTK	
Trex Signature Bracket Templates Includes 1 reusable template.	Simplify bracket placement when installing Trex Signature aluminum railing with 4" x 4" Trex composite post sleeves.	Horizontal	SIGTEMPNX4SLEEVE	n/a
	Simplify bracket placement when installing Trex Signature aluminum posts.		SIGTEMPRCPOST	
Cocktail Rail Bracket Includes 10 brackets and 40 color-matched screws.	Mounting hardware to attach a deck board or 2" x 4" cocktail rail to the top rail of Trex Signature rail kits. Only Trex solid core boards can be used. Not compatible with Signature Glass railing or Signature X-Series railing.	n/a	XXCTBKTAL10PK	WT BZ BK

FIND A BUILDER — ORDERING HELP — DESIGN HELP

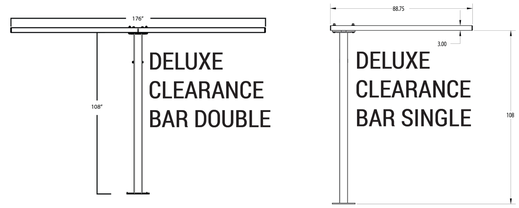
60

A3 CONCRETE POST MOUNT KIT
SCALE: N.T.S.

DELUXE CLEARANCE BAR

FOUNDATION INSTRUCTIONS

DELUXE CLEARANCE BAR



Foundation Preparation

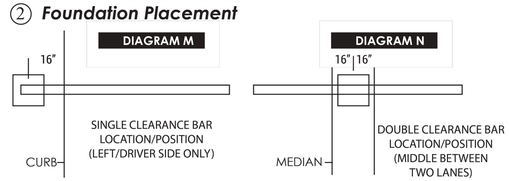
1 It is the intent of these drawings to be used as guidelines only, for the installation of the equipment illustrated. The information contained in these documents has set forth certain assumed conditions. It shall be the responsibility of the purchaser and his contractor to verify these assumptions with local governing agencies. In addition, certain assumptions have been made and noted on the drawings and specifications for soil bearing capacity. It shall be the responsibility of the purchaser and his contractor to verify these assumptions and make the necessary revisions to the structure and the parking lot design, as indicated on the site documents provided by the owner/tenant. It shall be the responsibility of the purchaser and his contractor to submit these documents to the proper governing agencies for their review and to make all necessary modifications and/or revisions.

NOTE: For new concrete installations, it is possible that you have only received the necessary hardware to mount the pedestal base. This hardware is listed under item #1, below.

1. Before beginning installation, check that you have all required hardware:

MENU BOARD HARDWARE
A. One (1) Template
B. Four (4) Anchor Bolts
C. Eight (8) Hex Nuts

2 Foundation Placement



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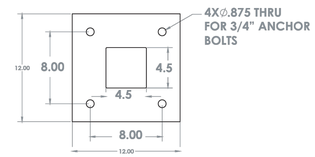
DELUXE CLEARANCE BAR

FOUNDATION INSTRUCTIONS

DIAGRAM C Template & Foundation

Mounting Template

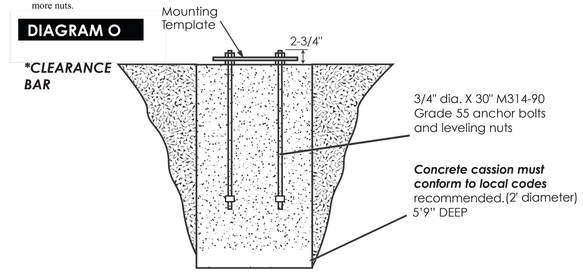
HOLE SIZES:
A: 0.813" DIA. HOLE.....(4 REQD)
B: 4.5" SQUARE HOLE.....(1 REQD)



Foundation

The high voltage conduit must be installed in place by a qualified contractor. It runs from the power source to the menu board location. A conduit stub should protrude 4" above the concrete slab **(see Diagram O)** Use the template supplied for the correct relation between the mounting bolts and the conduit location. Power and ground leads should be pulled through the conduit approximately 12" beyond the conduit stub, and be accessible at the time of final wiring. **Note: The 120VAC power lines run up the inside back of the pedestal base (see Diagram C, Mounting Template)**
After the location is established, pour the concrete footing per local codes. While the concrete is still soft, insert the four (4) anchor bolts. Use the supplied template as a bolt and conduit locator. Anchor bolts should be 2-3/4" above grade (see Diagram C, Foundation. **Note: Prior to placing the template down, one (1) nut must be threaded onto each anchor bolt and sunk into the concrete, flush with the top of the nut.** Place the template over the eight (4) anchor bolts and secure in place with four (4) more nuts.

DIAGRAM O



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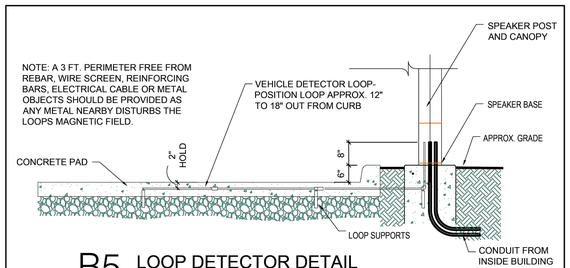
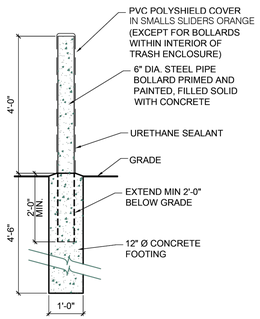
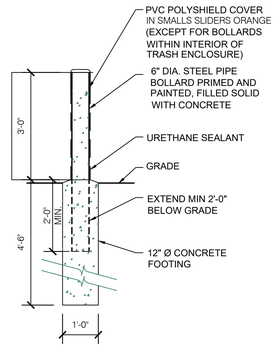


B5 LOOP DETECTOR DETAIL
SCALE: 1/2" = 1'-0"



A5 BOLLARD DETAIL
SCALE: 1/2" = 1'-0"



A6 BOLLARD DETAIL
SCALE: 1/2" = 1'-0"

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ARCHITECTURAL SITE DETAILS

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PROJECT NO: 252003

SHEET A1.02

DATE 10.08.25

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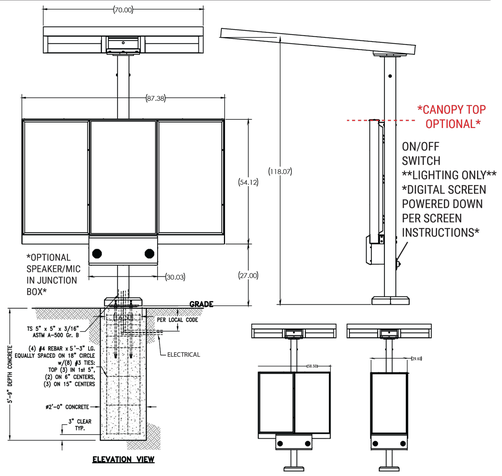
DT FLEX SAMSUNG AIO INSTRUCTIONS

INSTALL FOUNDATION AND LOCATION	PAGES 2-5
ELECTRICAL WIRING	PAGES 6
INSTALL CANOPY	PAGES 7-8
INSTALL SCREENS	PAGES 9-11
INSTALL GRAPHICS	PAGES 12

ONCE INSTALLED DO NOT TURN OFF POWER TO SYSTEM WITHOUT TURNING POWER OFF EACH DIGITAL SCREEN VIA REMOTE. SEE DIGITAL SCREEN INSTRUCTIONS (PACKED 1 PER SCREEN) FOR MORE INFORMATION



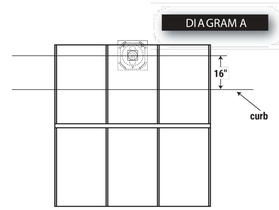
DT FLEX SAMSUNG AIO INSTRUCTIONS

1. Before beginning the installation, check that you have all the required hardware:
w/foundation kit: (4) Anchor bolts, (8) Hex Nuts w/
unit: (4) Hex nuts, (8) Flat washers, (4) Lock washers

2. Determine whether the canopy will be installed on a curved or straight drive (see Diagrams A or B). Follow the proper detail for information about locating the canopy. Note: These diagrams are to be used as a guide only; if they cannot be followed exactl y, some modifications should be made to allow for the best suited location for your installation.

3. In the desired location, construct mounting post foundation referencing Diagram C and in accordance with local codes.

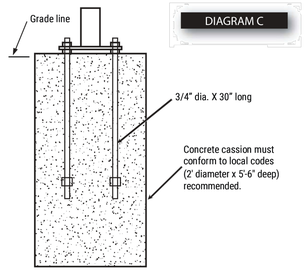
DIAGRAM A



CANOPY LOCATION/POSTIONING (STRAIGHT)

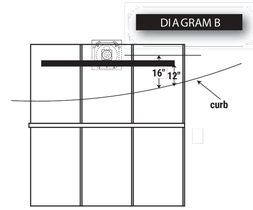
CAUTION EVALUATE WIDTH OF MENU. END OF MENU TO BE 12" OR MORE AWAY FROM CURB.

DIAGRAM C



FOUNDATION CONSTRUCTION
(below grade)

DIAGRAM B



DT FLEX SAMSUNG AIO INSTRUCTIONS

*SEE (FIG GR) FOR MAXIMUM CONDUIT LOAD EXAMPLE

DIAGRAM Q

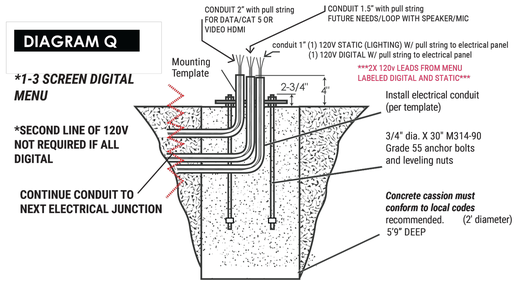
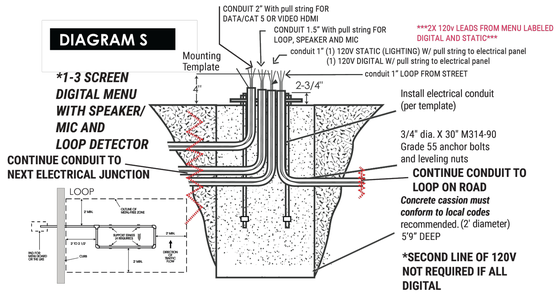


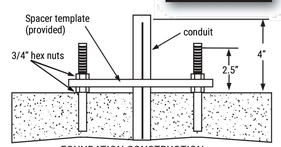
DIAGRAM S



DT FLEX SAMSUNG AIO INSTRUCTIONS

DIAGRAM D

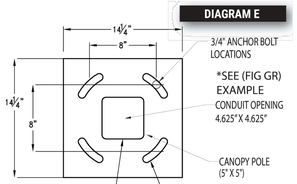
2X 120v LEADS FROM MENU LABELED DIGITAL AND STATIC



FOUNDATION CONSTRUCTION
(above grade)

4. The high voltage conduit must be installed in place by a qualified contractor. It runs from the source power to the canopy location. A conduit stub should protrude 4" above the concrete slab. Power and ground leads should be pulled through the conduit approximately 30" beyond the conduit stub and accessible at the time of final wiring.

DIAGRAM E

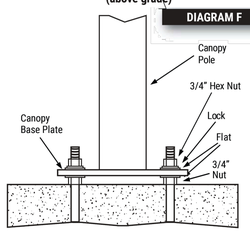


CANOPY POLE ANCHOR BOLT LOCATIONS
(above grade)

5. After the concrete has set, remove the template and discard.

6. The canopy is ready to be mounted. Remove any concrete residue from the threads of the anchor bolts. Thread one nut onto each bolt until is stops; then put a flat washer over each bolt. place the unit onto the foundation making sure all of the anchor bolts are positioned in the corresponding canopy pole holes. Secure the unit with flat washers, lock washers, and 3/4" hex nuts (see Diagram F).

DIAGRAM F



CANOPY POLE MOUNTING

7. Level the unit by adjusting the upper and lower hex nuts until the canopy pole is level and tighten the nuts.

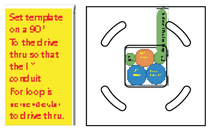
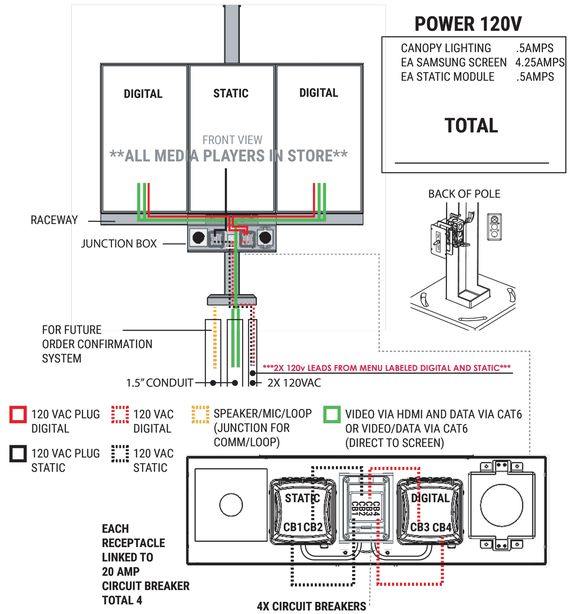


FIG GR

DT FLEX SAMSUNG AIO INSTRUCTIONS

WIRING DIAGRAM EXAMPLE

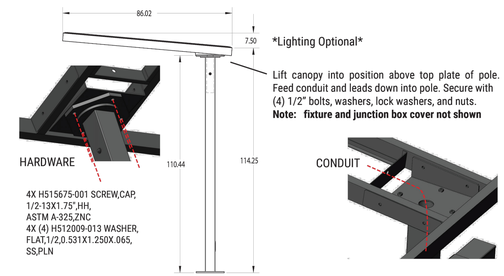


POWER 120V

CANOPY LIGHTING	.5AMPS
EA SAMSUNG SCREEN	4.25AMPS
EA STATIC MODULE	.5AMPS
TOTAL	

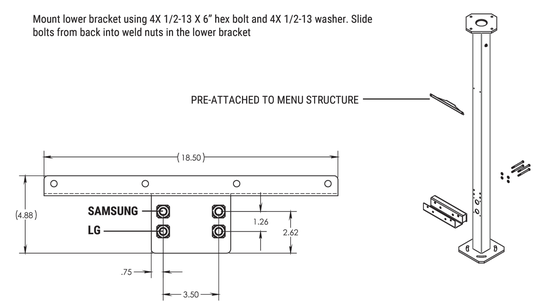
DT FLEX SAMSUNG AIO INSTRUCTIONS

STEP 1 INSTALL CANOPY TOP (SKIP TO STEP 2 IF NO CANOPY TOP)



STEP 2 INSTALL DT FLEX MOUNTING BRACKETS

Mount lower bracket using 4X 1/2-13 X 6" hex bolt and 4X 1/2-13 washer. Slide bolts from back into weld nuts in the lower bracket



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STATE OF MISSOURI SCOTT D. MAGAR NUMBER A-2006008936 ARCHITECT 10-11-2025

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ARCHITECTURAL SITE DETAILS

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-	** ** **

PROJECT NO: 252003

SHEET A1.03

DATE 10.08.25

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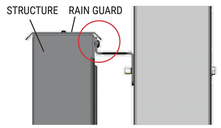
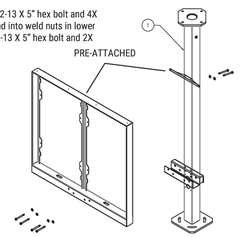
STEP 3 INSTALL DT FLEX STRUCTURE

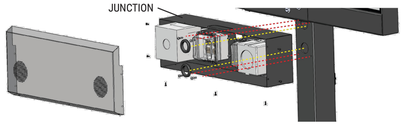
Mount structure to lower bracket as shown using 4X 1/2-13 X 5" hex bolt and 4X 1/2-13 washer. Slide bolts through front of structure and into weld nuts in lower bracket. Mount structure to upper bracket using 2X 1/2-13 X 5" hex bolt and 2X 1/2-13 washer.



UPPER BRACKET FITS BETWEEN RAIN GUARD AND STRUCTURE



STEP 4 INSTALL DT FLEX JUNCTION BOX



Mount junction box to pole using 4X 1/4-20 X 1" PPH and 4X 1/4-20 washer as shown. Fit 2X 1.75" inside diameter grommets over electrical pass thrus between junction box and pole. The speaker and mic built into the junction box is optional. Speaker and mic can also be added as a wing to the menu structure. The cover fits over the junction box and covers the menu structure's bolt heads. 7 pin-in-torx screws secure the cover over the junction box. Leave cover off until all electrical connections are made.

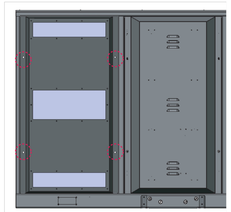
ASSEMBLY

STATIC/BACKLIT PANELS FACTORY INSTALLED

DIGITAL SCREENS ARE PACKED IN THEIR ORIGINAL PACKAGING WITH BRACKETS FACTORY INSTALLED

STEP 1 ACCESS REAR PANELS

Back panels for digital screen are factory installed. Remove back panels by using provided T45 driver to remove (4) pin-in-torx screws.

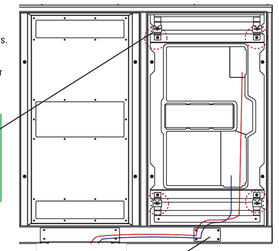


SCREEN MUST BE INSTALLED IN THE CORRECT ORIENTATION. POWER IS ON TOP AND THERE IS LABEL ON THE SCREEN INDICATING UP OR DOWN ON FRONT

STEP 2 LOADING SCREEN

Place digital screen on top of support tube with the two bottom screws attached to the screen mounting brackets. Angle the display as shown so the screws set into the lower ear brackets (V-SHAPE). Tilt the screen up until it is vertical. Mount the top portion of the screen to the ear brackets with the provided hardware. Tighten all 4 connections to the ear bracket.

EAR BRACKET



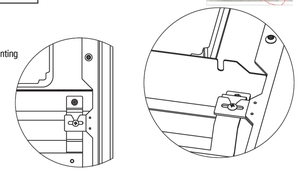
STEP 3

After screen is attached feed power and data cabled required to pedestal base. Data cables most likely will come from the foundation to be routed to the screen. Plug in the power into the DIGITAL outlet. Not STATIC. See page 6 wiring example diagram.

SCREEN ORIENTATION

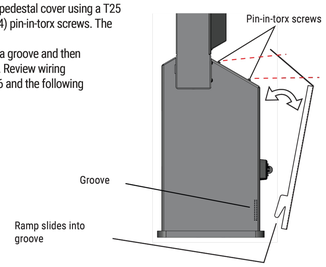
STEP 4 SECURING SCREEN

Once in place add the (2) top screws to the screen mounting brackets. Tighten the bottom screws. Do not over tighten.



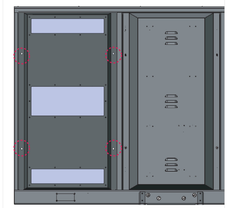
STEP 5 ACCESS PEDESTAL JUNCTION

Remove the back pedestal cover using a T25 driver to remove (4) pin-in-torx screws. The bottom of the cover fits into a groove and then is tilted into place. Review wiring diagram on page 6 and the following steps.



STEP 6 ATTACH REAR PANELS

Back panels for digital screen are factory installed. Add back panels by using provided T45 driver to remove (4) pin-in-torx screws.



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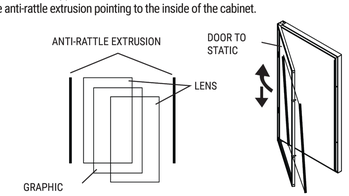
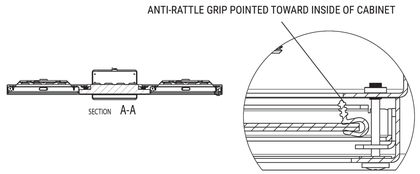
STEP 10 LOADING GRAPHIC INTO STATIC

Graphic is placed bewteen two lenses of .06" acrylic and held together with anti-rattle extrusion. The graphic carrier is then lift and dropped behind the door with the grips on the anti-rattle extrusion pointing to the inside of the cabinet.



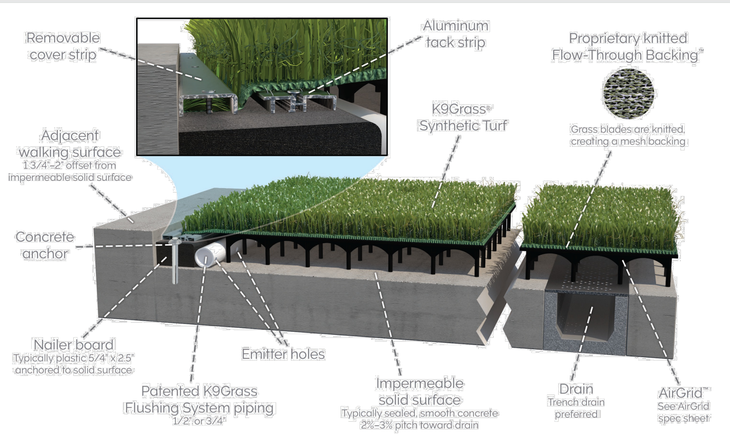


K9GRASS SYSTEM NOTES:
FRANCHISE:
- TO DISCUSS WITH FOREVERLAWN (NATIONAL ACCOUNTS VENDOR) REPRESENTATIVE WHICH SYSTEM IS RIGHT FOR THE STORE LOCATION AND NEEDS OF THE FRANCHISEE.
  - K9GRASS WITH PATENTED FLUSH SYSTEM AND AIRGRID
  - K9GRASS OFER AGREGATE ON STRUCTURE
- CONTRACT DIRECTLY WITH FOREVERLAWN.

ForeverLawn Synthetic Grass System

Installed over patented K9Grass Flushing System and AirGrid

K9Grass by ForeverLawn



ForeverLawn	330.499.8873 • foreverlawn.com 8007 Beeson St, NE, Louisville, OH 44641	CADdetails microsite.caddetails.com/1148	By: K. Karmie 03/25 Scale: Not to scale Drawing No.: M1334

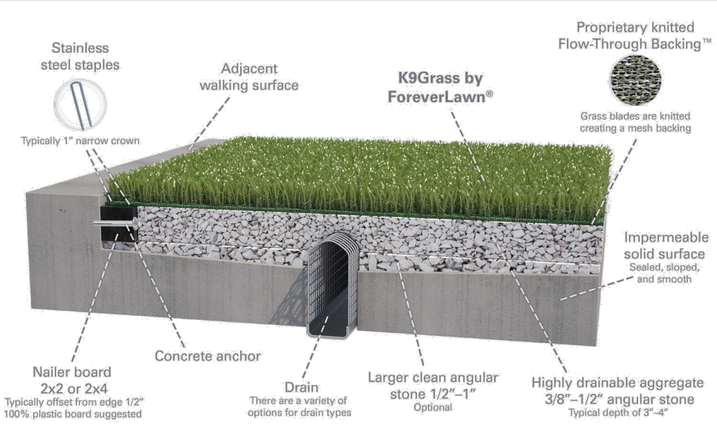
K9GRASS SYSTEM NOTES:
FOREVERLAWN (NATIONAL ACCOUNTS VENDOR) TO PROVIDE:
- K9GRASS ELITE WITH ALL INSTALLATION ACCESSORIES; EPS PERIMETER BOARD AND INSTALLATION; PROVIDE AND INSTALL 3"-4" OF 3/8" CLEAN ANGULAR STONE OR 2.5" OF 3/4" CLEAN ANGULAR STONE TOPPED WITH 1" OF 3/8" CLEAN ANGULAR STONE; PROFESSIONAL INSTALLATION INCLUDING LAYOUT, TRIMMING, AND REINFORCING SEAMING WITH SEAM TAPE AND GLUE (IF NEEDED); FOREVERLAWN 15-EAR PRODUCT WARRANTY AND 2-YEAR INSTALLATION WARRANTY.

GENERAL CONTRACTOR TO PROVIDE:
- EASY ACCESS TO THE WORK AREA FOR VENDOR CREW AND EQUIPMENT; NOTIFICATION OF ANY CHANGES TO THE SCOPE OF WORK PRIOR TO VENDOR START OF PROJECT; RECEIVE SHIPMENTS OF MATERIALS/PRODUCTS ON SITE; DRAINAGE SYSTEM AND ALL REQUIRED ACCESSORIES TO PROVIDE A COMPLETE WORKING DRAINAGE SYSTEM; IMPERMEABLE (SEALED. SLOPED, AND SMOOTH) DEPRESSED (MIN. 3") CONCRETE SLAB INSTALLED, PREPARED AND READY TO RECEIVE STONE LISTED IN VENDOR SECTION PRIOR TO VENDOR ARRIVING ON SITE; ALL SITE WORK NOT LISTED IN THE VENDOR SECTION.

K9Grass System

Installed over aggregate on structure

K9Grass by ForeverLawn



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SHEET A1.04

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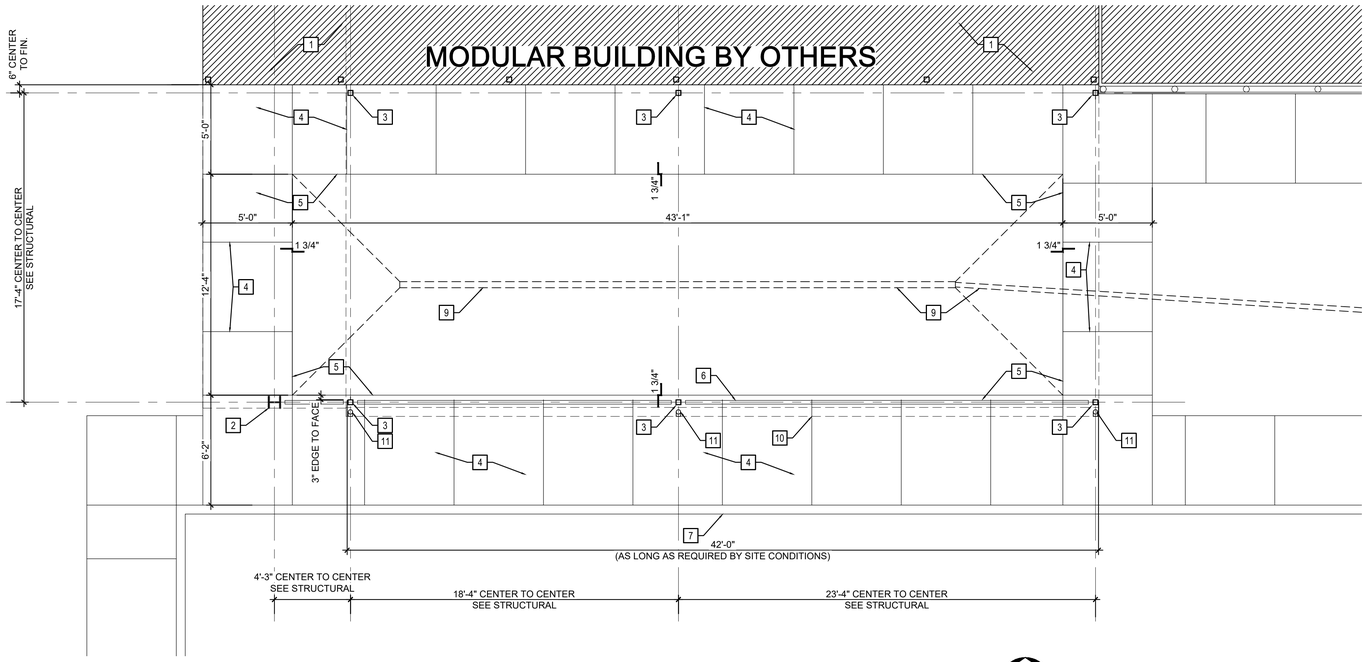


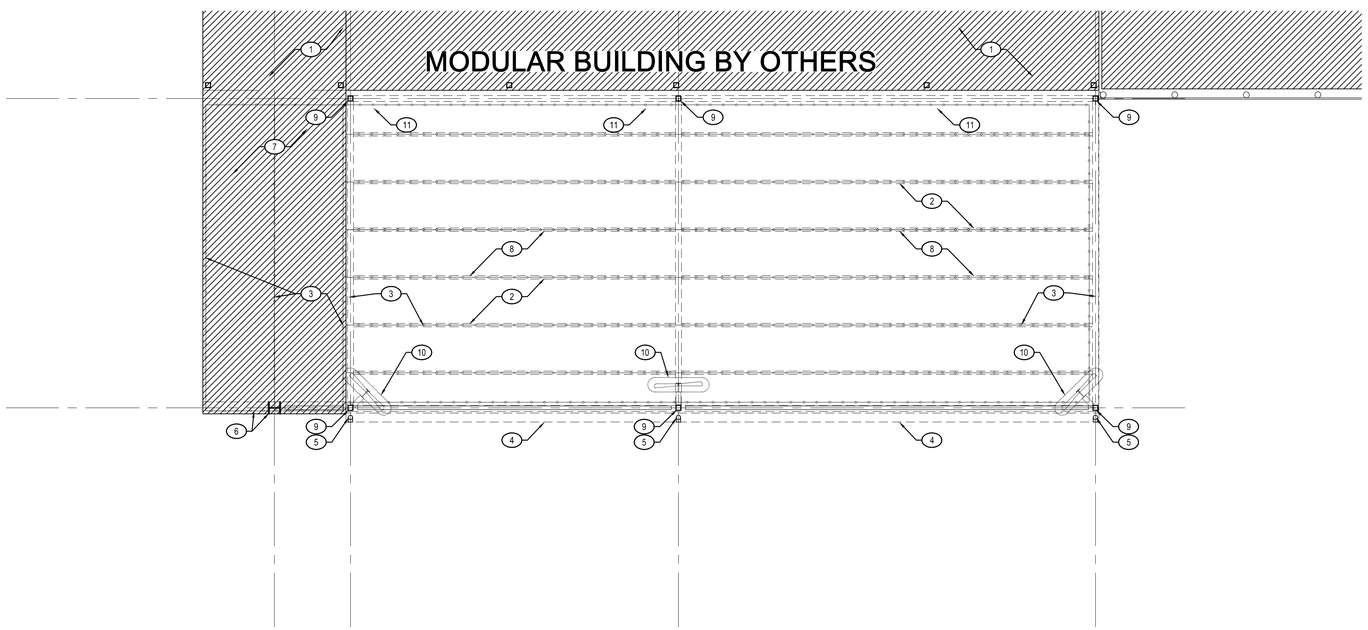
B1 / A2.01 **ENLARGED PATIO PLAN**
1/4" = 1'-0"

NORTH

GENERAL NOTES:
1. 5'-0" MINIMUM SIDE WALK AROUND DEPRESSED SLAB.
2. 1-3/4" MINIMUM SLAB DEPRESSION.
3. ARTIFICIAL TURF SYSTEM TO BE PURCHASED BY THE FRANCHISEE AND INTALLED BY THE GC.
4. TRENCH DRAIN AND DOWNSPOUTS SHOULD BE TIED INTO SITE STORM DRAINAGE SYSTEM WHEN AVAILABLE.

KEY NOTES - ENLARGED PATIO PLAN

#	
1	MODULAR BUILDING BY OTHERS (SEE MODULAR BUILDING MANUFACTURER'S CONSTRUCTION DRAWINGS AT THE BACK OF THIS SET OF CONSTRUCTION DRAWINGS)
2	STRUCTURAL T-FRAME PRIMED AND PAINTED WITH COMMERCIAL EXTERIOR GRADE PAINT FOR FERROUS METAL(S). SEE A3.01 FOR PAINT SPECIFICATIONS. SEE STRUCTURAL SHEETS FOR SPECIFICATIONS AND DETAILS.
3	TUBE STEEL COLUMNS PRIMED AND PAINTED WITH COMMERCIAL EXTERIOR GRADE PAINT FOR FERROUS METALS. SEE A3.01 FOR PAINT SPECIFICATIONS. SEE STRUCTURAL SHEETS FOR SPECIFICATIONS AND DETAILS.
4	CONCRETE WALK. SEE CIVIL SHEETS FOR SPECIFICATIONS. MINIMUM WALK WIDTH AROUND PATIO PERIMETER SHALL BE 5'-0" WITH CONTRACTION JOINTS AT A MINIMUM OF 5'-0" O.C. AND EXPANSION JOINTS AT MAXIMUM OF 20'-0" O.C.
5	EDGE OF DEPRESSED SLAB FOR ARTIFICIAL TURF SYSTEM. MINIMUM DEPRESSION 1-3/4". GC TO TRENCH DRAIN IN BOTTOM OF DEPRESSION. SEE ARCHITECTURAL SITE PLAN DETAILS FOR ARTIFICIAL TURF SPECIFICATIONS AND INSTRUCTIONS.
6	TREX SIGNATURE RAILING FENCE KIT. INSTALL BETWEEN SIDE WALK AND DRIVE THRU LANES. SEE ARCHITECTURAL SITE PLAN DETAILS FOR SPECIFICATIONS. - NOT USED
7	CONCRETE CURB. SEE CIVIL DRAWINGS FOR SPECIFICATIONS.
8	CURB RAMP(S). SEE CIVIL DRAWINGS FOR SPECIFICATIONS.
9	TRENCH DRAIN AT BOTTOM OF DEPRESSION. TIE TO STORM DRAINAGE SYSTEM. SEE CIVIL SHEETS FOR STORM DRAINAGE SYSTEM.
10	MIN. 6"W X 4.5"D RECTANGULAR GUTTER ABOVE. SEE A3.01 FOR COLOR.
11	MIN. 3" PLAIN ROUND DOWNSPOUT(S). SEE A3.01 FOR COLOR.



A4 / A2.01 **REFLECTED CEILING PLAN**
1/4" = 1'-0"

NORTH

GENERAL NOTES:
1. ALL INTERIOR LIGHTING IS BY THE MODULAR BUILDING MANUFACTURER AND INSTALLED THE MANUFACTURER AT THEIR FACILITIES.
2. ALL CANOPY LIGHTING, FANS, AND ASSOCIATED CONDUIT, WIRING AND JUNCTION BOXES ARE TO BE INSTALLED BY G.C.
3. SEE ELECTRICAL SHEETS IN THE MODULAR BUILDING MANUFACTURERS CONSTRUCTION DRAWINGS FOR ELECTRICAL FEED LANDING.

KEY NOTES - ENLARGED RCP

#	
1	MODULAR BUILDING BY OTHERS (SEE TO MODULAR BUILDING MANUFACTURER'S CONSTRUCTION DRAWINGS AT THE BACK OF THIS SET OF CONSTRUCTION DRAWINGS)
2	SEE STRUCTURAL SHEETS FOR CANOPY SPECIFICATIONS AND DETAILS.
3	EXTERIOR GRADE LED STRING LIGHTS ATTACHED TO THE BOTTOM OF THE STEEL PURLINS AND BEAMS TYP. (BASIS OF DESIGN; STRING LIGHTS - "PLT SOLUTIONS" MODEL #MS-24IN-330FT-165E26-14AWG; BULBS - "BRIMAX" MODEL #LMST452W-27-80-C). CHORD AND HOUSING: BLACK. INSTALLATION FULL LENGTH OF PERLINS NOT ACROSS.
4	MIN. 6"W X 4.5"D RECTANGULAR GUTTER. SEE A3.01 FOR COLOR.
5	MIN. 3" PLAIN ROUND DOWNSPOUT(S). TIE TO STORM DRAINAGE SYSTEM WITH MINIMUM 4" DIAMETER PVC PIPE. SEE CIVIL SHEETS FOR STORM DRAINAGE SYSTEM. SEE A3.01 FOR COLOR.
6	TUBE STEEL COLUMNS PRIMED AND PAINTED WITH COMMERCIAL EXTERIOR GRADE PAINT FOR FERROUS METAL(S). SEE A3.01 FOR PAINT SPECIFICATIONS. SEE STRUCTURAL SHEETS FOR SPECIFICATIONS AND DETAILS.
7	SHIPPING CONTAINER ABOVE BY OTHERS. SEE A3.01 FOR PAINT SPECIFICATIONS. SEE STRUCTURAL AND MODULAR BUILDING CONSTRUCTION DRAWINGS FOR SUPPORT SPECIFICATIONS.
8	CANOPY BEAMS AND PURLINS PRIMED AND PAINTED WITH COMMERCIAL EXTERIOR GRADE PAINT DESIGNED FOR FERROUS METALS. SEE A3.01 FOR PAINT SPECIFICATIONS. SEE STRUCTURAL SHEETS FOR FRAMING OF ROOF.
9	TUBE STEEL COLUMNS PRIMED AND PAINTED WITH COMMERCIAL EXTERIOR GRADE PAINT FOR FERROUS METALS. SEE A3.01 FOR PAINT SPECIFICATIONS. SEE STRUCTURAL SHEETS FOR SPECIFICATIONS AND DETAILS.
10	OSCILLATING FAN MOUNTED TO THE SIDE OF THE STEEL COLUMN. SEE ME SHEETS FOR SPECIFICATIONS.
11	WALL PACK LIGHT FIXTURES. TYPICAL SEVEN (7) AROUND THE BUILDING. SEE ME SHEETS FOR SPECIFICATIONS AND LOCATIONS.

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ENLARGED PATIO PLAN AND REFLECTED CEILING PLAN

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DATE 10.08.25

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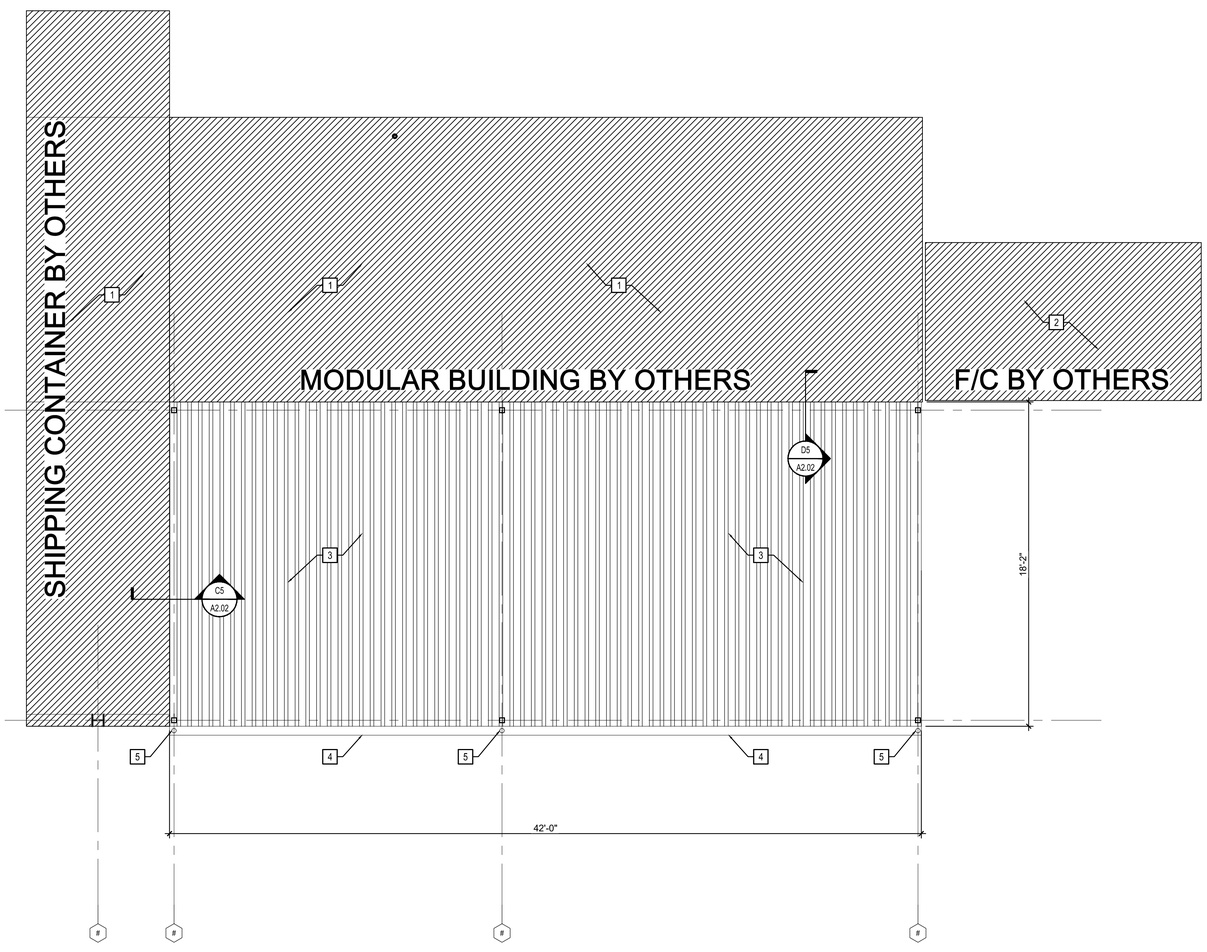
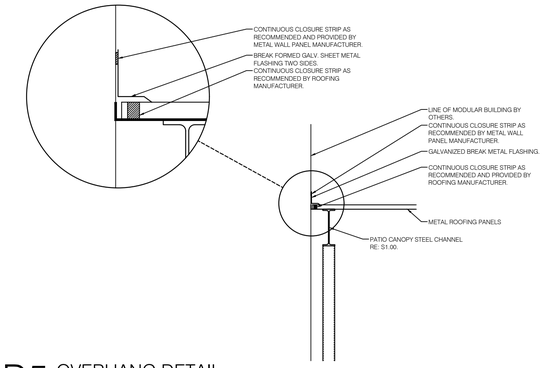
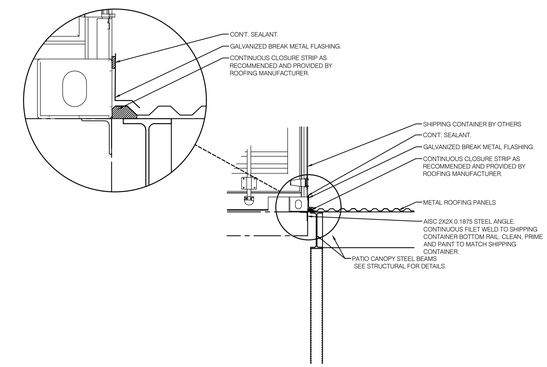


A1 ROOF PLAN
SCALE: 1/4" = 1'-0"



D5 OVERHANG DETAIL
SCALE: 1/2" = 1'-0"



C5 OVERHANG DETAIL
SCALE: 1/2" = 1'-0"

#	KEY NOTES - ROOF PLAN
1	MODULAR BUILDING ROOF BY OTHERS (REFER TO MODULAR BUILDING MANUFACTURER'S CONSTRUCTION DRAWINGS AT THE BACK OF THIS SET OF CONSTRUCTION DRAWINGS)
2	FREEZER/COOLER BOX ROOF BY OTHERS.
3	MCELROY 1 $\frac{3}{4}$"-18 GA. GAVALUME MEGA-RIB PANELS. COLOR TO MATCH BUILDING.
4	MIN. 6"W X 4.5"D RECTANGULAR GUTTER ABOVE. SEE A3.01 FOR COLOR.
5	MIN. 3" PLAIN ROUND DOWNSPOUT(S). TIE TO STORM DRAINAGE SYSTEM WITH MINIMUM 4" DIAMETER PVC PIPE. SEE CIVIL SHEETS FOR STORM DRAINAGE SYSTEM. SEE A3.01 FOR COLOR.

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ROOF PLAN AND DETAILS

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PROJECT NO: 252003

SHEET A2.02

DATE 10.08.25

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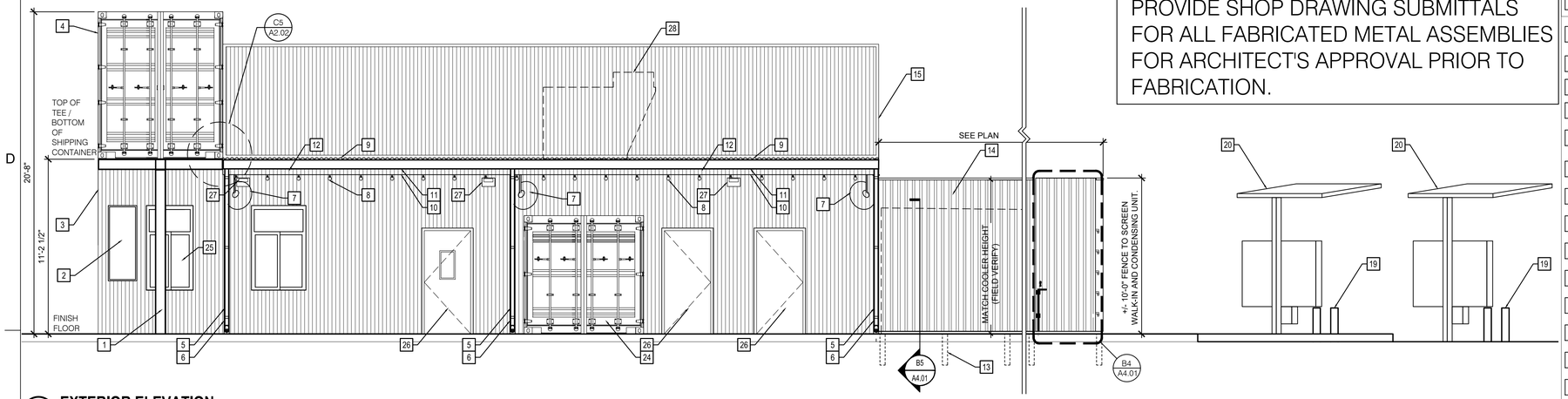
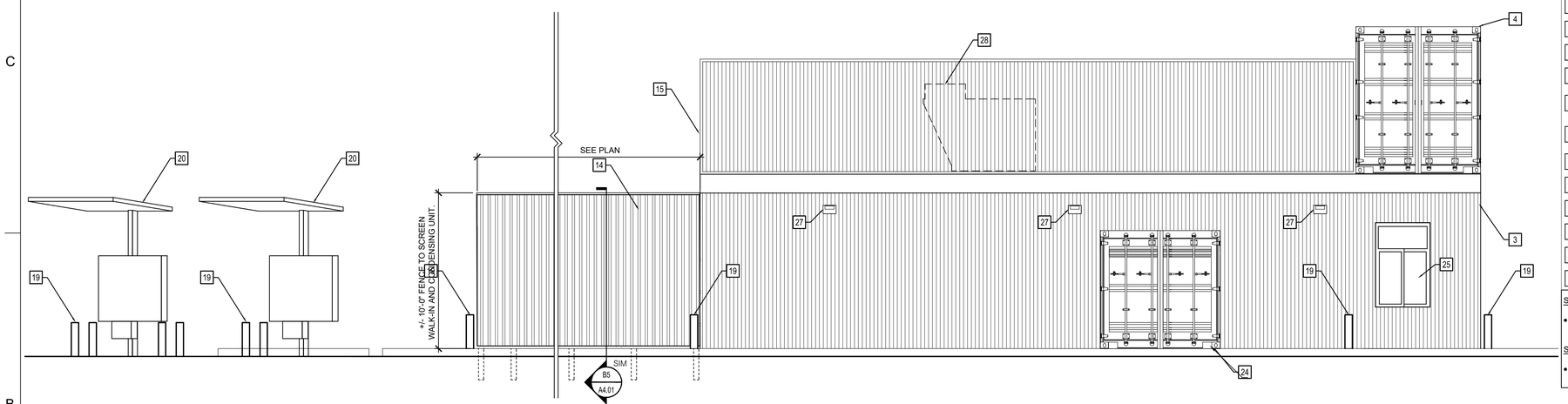
10/14/2025 8:42:39 AM, andre

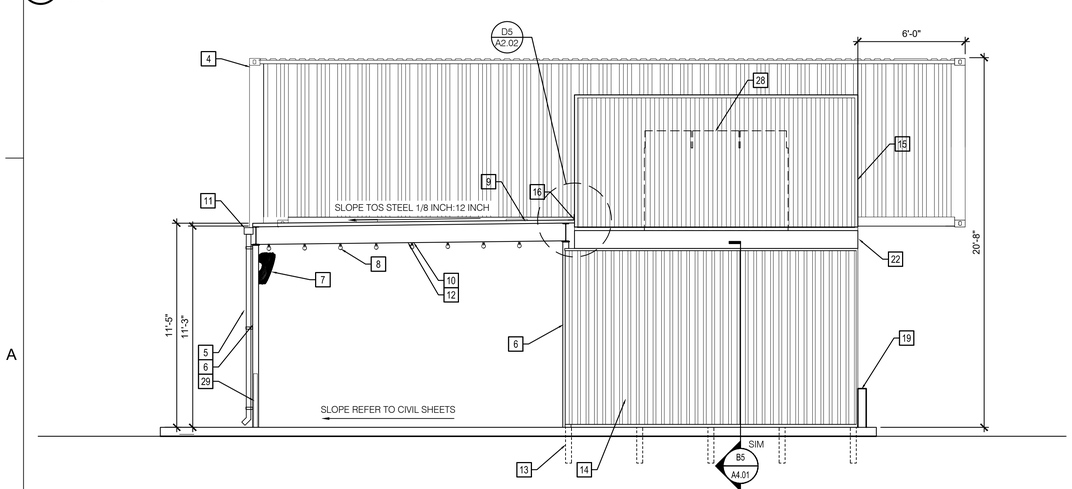
PROVIDE SHOP DRAWING SUBMITTALS FOR ALL FABRICATED METAL ASSEMBLIES FOR ARCHITECT'S APPROVAL PRIOR TO FABRICATION.



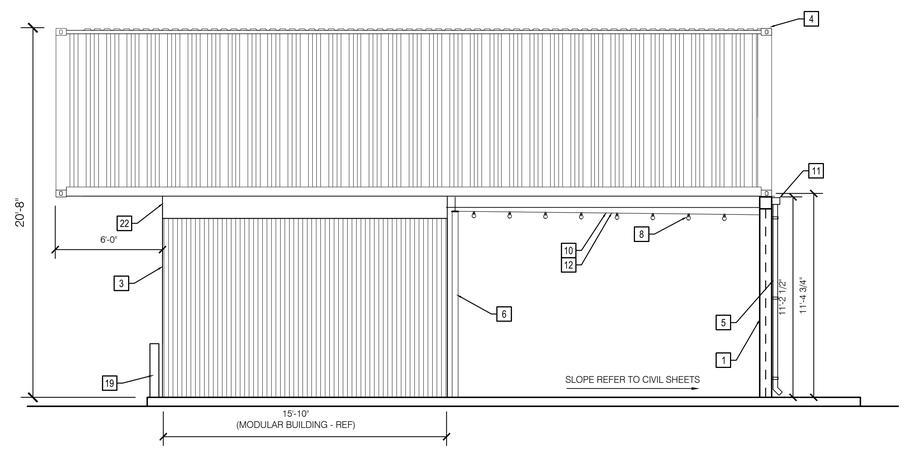
C4 A3.01 **EXTERIOR ELEVATION**
1/4" = 1'-0"



B4 A3.01 **EXTERIOR ELEVATION**
1/4" = 1'-0"



A4 A3.01 **EXTERIOR ELEVATION**
1/4" = 1'-0"



A2 A3.01 **EXTERIOR ELEVATION**
1/4" = 1'-0"

KEY NOTES - EXTERIOR ELEVATIONS

#	
1	STRUCTURAL T-FRAME PRIMED AND PAINTED WITH COMMERCIAL EXTERIOR GRADE PAINT FOR FERROUS METAL(S). COLOR: SMALLS ORANGE (SMORANGE). SEE STRUCTURAL SHEETS FOR SPECIFICATIONS AND DETAILS.
2	WALKUP MENU BOARD. FRAME COLOR: MIDNIGHT BRONZE.
3	MODULAR BUILDING MANUFACTURER - SEE G0.01. COLOR: MIDNIGHT BRONZE WITH SMALLS ORANGE TRIM (SMORANGE)
4	SMALLS ORANGE (SMORANGE) SHIPPING CONTAINER PROVIDED AND INSTALLED BY MODULAR BUILDING MANUFACTURER.
5	PRE-FINISHED ALUMINUM DOWNSPOUT (TYPICAL 3). COLOR: ORANGE TO MATCH COLUMN IT IS ATTACHED - SMALLS ORANGE (SMORANGE).
6	TUBE STEEL COLUMNS PRIMED AND PAINTED WITH COMMERCIAL EXTERIOR GRADE PAINT FOR FERROUS METALS. COLOR: SMALLS ORANGE (SMORANGE). SEE STRUCTURAL SHEETS FOR SPECIFICATIONS AND DETAILS.
7	OSCILLATING FAN MOUNTED TO THE SIDE OF THE STEEL COLUMN. COLOR: BLACK. SEE ME SHEETS FOR SPECIFICATIONS.
8	EXTERIOR GRADE LED STRING LIGHTS ATTACHED TO THE BOTTOM OF THE STEEL PURLINS AND BEAMS TYP. (BASIS OF DESIGN "PLT SOLUTIONS" MODEL #MS-24IN-330FT-165E26-14AWG OR PRE-APPROVED EQUAL), CHORD AND HOUSING COLOR: BLACK.
9	MCELROY 1 $\frac{3}{4}$", 18 GA. GAVALUME MEGA-RIB PANELS. COLOR TO MATCH BUILDING: MIDNIGHT BRONZE.
10	CANOPY BEAMS AND PURLINS PRIMED AND PAINTED WITH COMMERCIAL EXTERIOR GRADE PAINT DESIGNED FOR FERROUS METALS. COLOR: SMALLS ORANGE (SMORANGE). SEE STRUCTURAL SHEETS FOR FRAMING OF ROOF.
11	MIN. 6"W X 4.5"D RECTANGULAR PRE-FINISHED GUTTER. COLOR TO MATCH BEAM IT IS ATTACHED - SMALLS ORANGE (SMORANGE). (DESIGNER NOTE - SIZE PER SITE LOCATION)
12	CANOPY BEAMS AND PURLINS PRIMED AND PAINTED WITH COMMERCIAL EXTERIOR GRADE PAINT DESIGNED FOR FERROUS METALS. COLOR: SMALLS ORANGE (SMORANGE). SEE STRUCTUARL SHEETS FOR FRAMING OF ROOF.
13	4 IN. DIA. GALVANIZED STEEL FENCE POST. COLOR: MIDNIGHT BRONZE.
14	MODULAR BUILDING MANUFACTURER TO PROVIDE PANELS MATCHING MODULAR BUILDING. COLOR: MIDNIGHT BRONZE. GENERAL CONTRACTOR TO INSTALL / FASTEN PANELS TO GALVANIZED HORIZONTAL RAILS. FENCING TO SCREEN WALK-IN C/F AND CONDENSING UNIT.
15	PARAPETS BY MODULAR BUILDING MANUFACTURER (SEE TO MODULAR BUILDING MANUFACTURER'S CONSTRUCTION DRAWINGS AT THE BACK OF THIS SET OF CONSTRUCTION DRAWINGS). COLOR TO MATCH MODULAR BUILDING - MIDNIGHT BRONZE.
16	FLASHING. SEE DETAILS.
17	4X8 WELDED GALVANIZED 2X2 STEEL TUBE GATE FINISHED WITH METAL PANEL. WELD HEAVY DUTY HINGES TO GATE AND ADJACENT Ø4" POST
19	PIPE BOLLARD. COLOR: SMALLS ORANGE (SMORANGE). SEE CIVIL SHEETS FOR FINAL LOCATIONS.
20	DRIVE THRU ORDER POINT WITH INTEGRAL CANOPY TOP. COLOR: MIDNIGHT BRONZE. (DESIGNER NOTE - LOCATION SITE DEPENDANT, NOT SHOWN IN THIS SET)
22	TRIM BAND BY MODULAR BUILDING MANUFACTURER (SEE MODULAR BUILDING MANUFACTURER'S CONSTRUCTION DRAWINGS AT THE BACK OF THIS SET OF CONSTRUCTION DRAWINGS). COLOR: SMALLS ORANGE (SMORANGE).
23	DUMPSTER PAD ENCLOSURE. SEE CIVIL SHEETS FOR LOCATION AND ORIENTATION. SEE A4.01 FOR SPECIFICATIONS. COLOR: COMPOSITE FENCING, FENCE POSTS, GATE POSTS, TO MATCH BUILDING - MIDNIGHT BRONZE. (DESIGNER NOTE - LOCATION SITE DEPENDANT, NOT SHOWN IN THIS SET)
24	FALSE SHIPPING CONTAINER DOOR BY MODULAR BUILDING MANUFACTURER. COLOR: SMALLS ORANGE (SMORANGE).
25	WALKUP/DRIVE THRU WINDOWS BY MODULAR BUILDING MANUFACTURER. FRAME COLOR: MIDNIGHT BRONZE.
26	DOORS BY MODULAR BUILDING MANUFACTURER. DOOR AND FRAME COLOR: MIDNIGHT BRONZE.
27	WALL PACK LIGHT FIXTURE. TYPICAL SEVEN (7) AROUND THE BUILDING. SEE ME SHEETS FOR SPECIFICATIONS AND LOCATIONS.
28	ANTICIPATED EXTENT OF TALLEST MECHANICAL EQUIPMENT ON ROOF. PARAPET TO FULLY SCREEN ALL ROOF EQUIPMENT.
29	TREX SIGNATURE RAILING KIT. SEE ARCHITECTURAL SITE PLAN FOR EXTENTS.

SMALLS ORANGE (SMORANGE) PAINT FORMULA FOR ONE GALLON SIZE CAN:

- SW HYDROCHROMA PRECISION COLOR - LOWE'S ITEM #77957 EXTERIOR DURAMAX, SEMI-GLOSS, BASE 4 8913-8y25 8964-5y10 8920-.25

SMALLS ORANGE (SMORANGE) PAINT FORMULA FOR FIVE GALLON SIZE CAN:

- SW HYDROCHROMA PRECISION COLOR - LOWE'S ITEM #10605 EXTERIOR DURAMAX, SEMI-GLOSS, BASE 4 8913-8y25 8913-42y29 8920-1.25

smalls SLIDERS

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CITY, ST 00000

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EXTERIOR ELEVATIONS

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PROJECT NO: 252000

SHEET A3.01

DATE ##.##.20##

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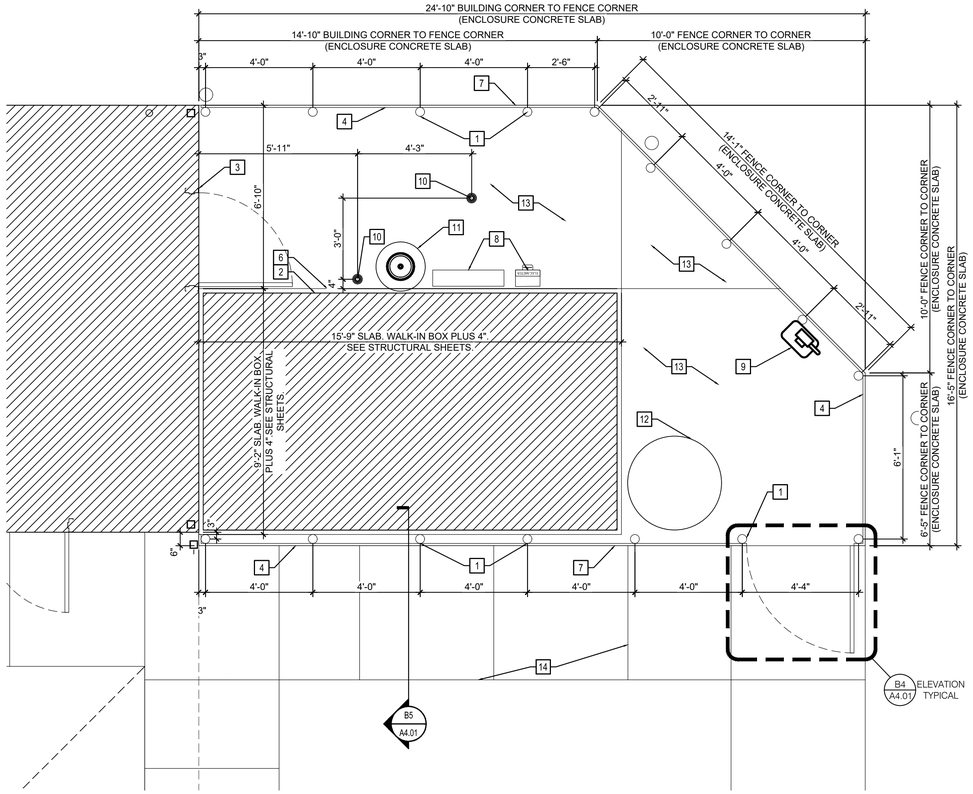
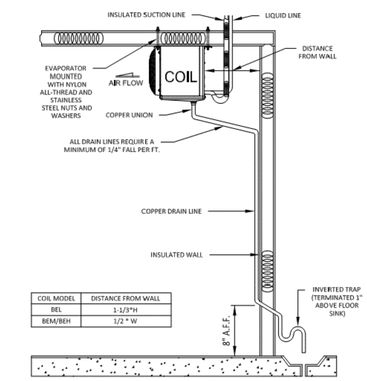


B4 / A4.01 COOLER FENCE ENCLOSURE PLAN

3/8" = 1'-0"

#	KEY NOTES - COOLER ENCLOSURE
1	4 IN. DIA. GALVANIZED STEEL FENCE POST. QUANTITY VARIES BY ENCLOSURE DIMENSIONS. COLOR: MIDNIGHT BRONZE.
2	FREEZER/COOLER WALK-IN BOX BY OTHERS. COLOR: TO MATCH BUILDING - MIDNIGHT BRONZE.
3	MODULAR BUILDING BY OTHERS (SEE MODULAR MANUFACTURER'S CONSTRUCTION DRAWINGS AT THE BACK OF THIS SET OF CONSTRUCTION DRAWINGS). SEE A3.01 FOR COLORS.
4	MODULAR BUILDING MANUFACTURER TO PROVIDE PANELS MATCHING MODULAR BUILDING. COLOR: MIDNIGHT BRONZE. GENERAL CONTRACTOR TO INSTALL / FASTEN METAL PANELS TO 18 GA. GALV. 2X4 STEEL STUD RAILS
5	4X8 WELDED GALVANIZED 2X2 STEEL TUBE GATE FINISHED WITH METAL PANEL. WELD HEAVY DUTY HINGES TO GATE AND ADJACENT Ø4' POST. COLOR: MIDNIGHT BRONZE.
6	FREEZER/COOLER WALK-IN CONCRETE PAD. MINIMUM 2" WIDER THAN WALK-IN BOX ALL SIDES. POUR SLAB LEVEL. SEE STRUCTURAL SHEET FOR CONCRETE SPECIFICATIONS.
7	EDGE OF UTILITY CONCRETE SLAB.
8	PROPOSED LOCATION FOR CT/METER/DISCONNECT RACK. SEE ME SHEETS FOR SPECIFICATIONS. SEE CIVIL SHEETS FOR PROPOSED ROUTING OF FEEDS. COORDINATE WITH LOCAL UTILITY PROVIDER. SET ON UNISTRUT RACK. APPLY TWO COATS OF WEATHER RESISTANT PAINT. COLOR: GREEN.
9	PROPOSED LOCATION FOR GAS METER. SEE CIVIL SHEETS FOR PROPOSED ROUTING OF FEEDS. COORDINATE WITH LOCAL UTILITY PROVIDER.
10	DRAIN. TIE TO STORM DRAINAGE SYSTEM.
11	CO2 TANK. FIELD VERIFY LOCATION. PLACEMENT SHOULD NOT HINDER STORE PRODUCT DELIVERY AND REFUSE REMOVAL.
12	DARPRO TANK. FIELD VERIFY LOCATION. PLACEMENT SHOULD NOT HINDER STORE PRODUCT DELIVERY AND REFUSE REMOVAL.
13	3,000 PSI CONCRETE UTILITY PATIO. MIN. 4" SLAB REINFORCED WITH 6 X 6 W1.4 X W1.4 WWF AND EXPANSION JOINTS AT A MAXIMUM OF 20'-0" O.C.
14	CONCRETE WALK. SEE CIVIL SHEETS FOR SPECIFICATIONS. MINIMUM WALK WIDTH SHALL BE 5'-0" WITH CONTRACTION JOINTS AT A MINIMUM OF 5'-0" O.C. AND EXPANSION JOINTS AT A MAXIMUM OF 20'-0".

EVAPORATOR MOUNTING DETAIL (TYPICAL)

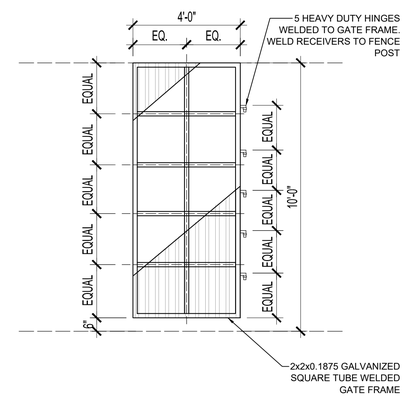


COIL MODEL	DISTANCE FROM WALL
BEL	1-1/3"H
BEM/BEH	1/2 " W

C1 / A4.01 CONDENSATE DRAIN TO SANITARY SEWER

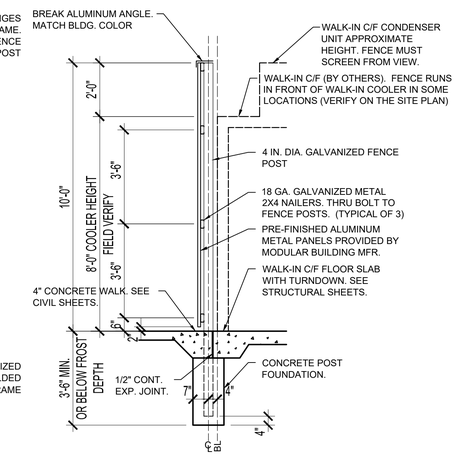
N.T.S.

PROVIDE SHOP DRAWING SUBMITTALS FOR ALL FABRICATED METAL ASSEMBLIES FOR ARCHITECT'S APPROVAL PRIOR TO FABRICATION.



B4 / A4.01 METAL GATE DETAIL

3/8" = 1'-0"



B5 / A4.01 TYPICAL WALL SECTION

3/8" = 1'-0"

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NUMBER A-2006008936
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WALK-IN BOX FENCE ENCLOSURE AND DETAILS

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PROJECT NO: 252003

SHEET A4.01

DATE 10.08.25

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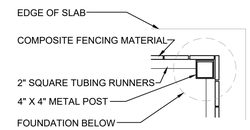
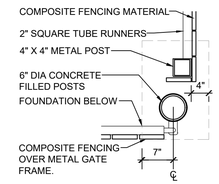
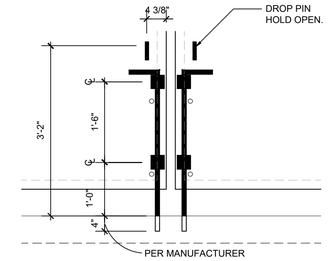
PROVIDE SHOP DRAWING SUBMITTALS FOR ALL FABRICATED METAL ASSEMBLIES FOR ARCHITECT'S APPROVAL PRIOR TO FABRICATION.



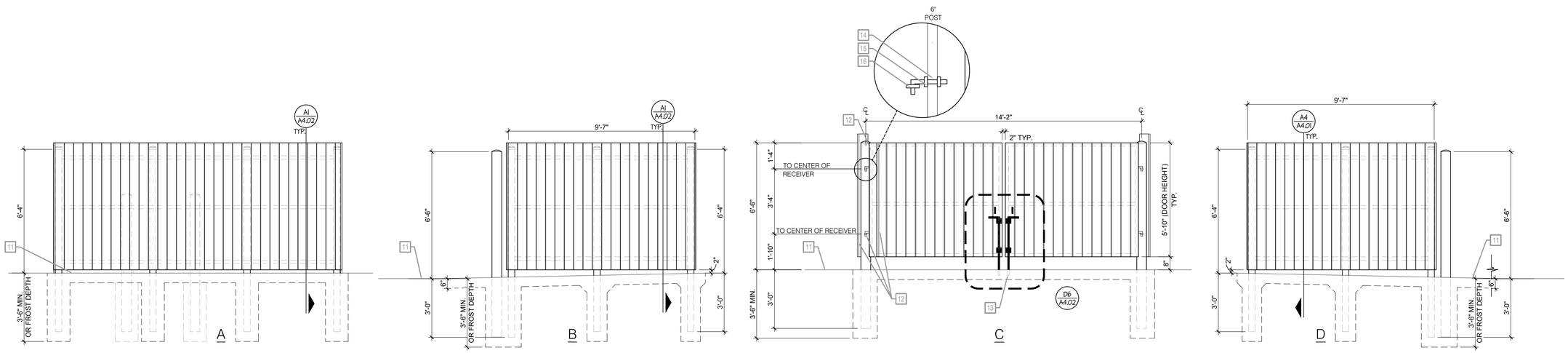
D4 A4.02 **GATE DETAIL**
3/4" = 1'-0"



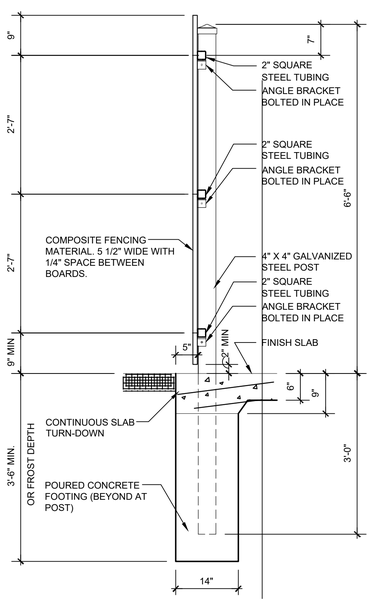
D5 A4.02 **GATE DETAIL**
3/4" = 1'-0"



D6 A4.02 **GATE DETAIL**
3/4" = 1'-0"

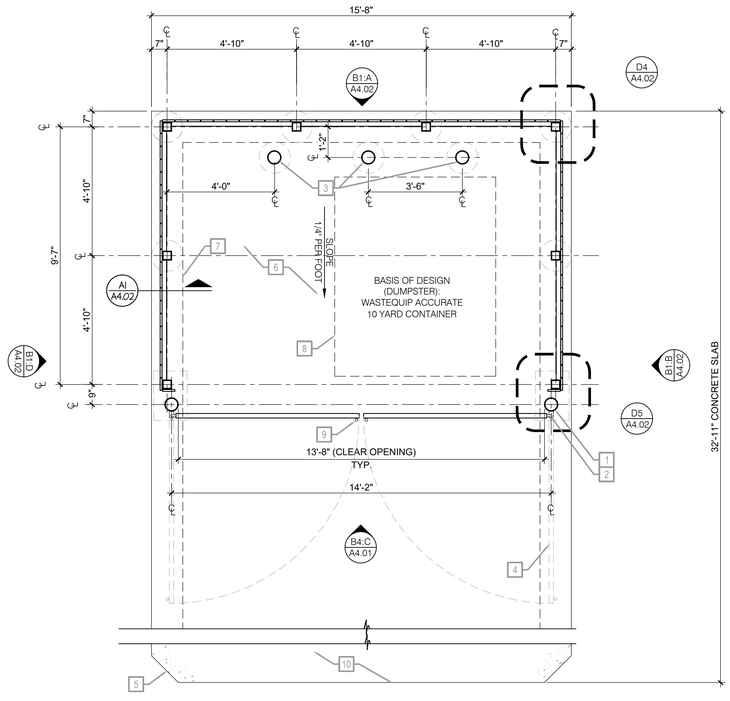


B1 A4.02 **TRASH ENCLOSURE ELEVATIONS**
3/8" = 1'-0"



A1 A4.02 **TRASH ENCLOSURE SECTION**
3/4" = 1'-0"

#	KEY NOTES - TRASH ENCLOSURE
1	6" DIA. STEEL HINGE POSTS PROVIDED BY FENCING CONTRACTOR. FILL WITH CONCRETE WITH DOMED TOP. PAINT MIDNIGHT BRONZE.
2	GATE HARDWARE INCLUDING HINGE POSTS, HINGES AND DROP PIN ASSEMBLY PROVIDED BY FENCING CONTRACTOR. PAINT ALL HARDWARE ITEMS MIDNIGHT BRONZE.
3	(4) 6" DIA. STEEL BOLLARDS FILLED WITH CONCRETE WITH DOMED TOP. PAINT SAFETY YELLOW. 4'-0" HIGH, EMBED 3'-0" MIN. IN 12" DIAMETER CONCRETE FOOTING TO FROST DEPTH
4	DRILL HOLES IN CONCRETE TO RECEIVE DROP PIN, TYPICAL AT EACH DOOR AT 90 DEGREE OPEN POSITION
5	CHAMFER CORNERS AT EDGE OF ASPHALT 12" (TYP.)
6	DRILL HOLES IN CONCRETE TO RECEIVE DROP PIN, INSTALL PVC SLEEVE, TYPICAL AT EACH DOOR AT CLOSED POSITION
7	LINE OF FOOTING BELOW
8	TRASH DUMPSTER AREA. CHECK SITE PLAN FOR SIZE & LOCATION
9	6" CONCRETE SLAB W/6X6 WIRE MESH (SEAL CONCRETE SLAB AGAINST GREASE ABSORPTION)
10	6" CONCRETE APRON
11	PAVEMENT, SEE CIVIL SHEETS FOR SPECIFICATIONS.
12	GATE FRAME, HINGES AND DECK PLATE FACING PROVIDED BY FENCING CONTRACTOR, PAINT MIDNIGHT BRONZE
13	DROP PIN HOLD OPEN PROVIDED BY FENCING CONTRACTOR AND INSTALLED BY GC
14	GATE FRAME. PAINT MIDNIGHT BRONZE.
15	5/8" ADJUSTABLE HINGE
16	HINGE TAB. PAINT MIDNIGHT BRONZE.



A3 A4.02 **TRASH ENCLOSURE PLAN**
3/8" = 1'-0"

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TRASH ENCLOSURE

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PROJECT NO: 252003

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DATE 10.08.25

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GENERAL NOTES:

1. THESE NOTES SHALL APPLY EXCEPT WHERE OTHERWISE INDICATED BY DRAWINGS OR SPECIFICATIONS.
2. CONTRACT DOCUMENTS INCLUDE THE STRUCTURAL DRAWINGS AND SPECIFICATIONS BUT DO NOT INCLUDE SHOP DRAWINGS, VENDOR DRAWINGS OR OTHER SUBMITTALS BY THE CONTRACTOR.
3. ALL REFERENCED STANDARDS SHALL BE OF THE EFFECTIVE DATE NOTED IN THE GOVERNING BUILDING CODE.
4. ALL INSPECTIONS , SPECIAL INSPECTIONS OR OTHERWISE, REQUIRED BY THE BUILDING CODE, LOCAL BUILDING DEPARTMENT OR THESE PLANS SHALL BE PERFORMED BY AN INDEPENDENT TESTING COMPANY ENGAGED BY THE PROJECTOWNER.
5. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS AND NOTIFY ARCHITECT OF ANY DISCREPENCIES PRIOR TO PROCEEDING WITH WORK. FOR DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS, SEE ARCHITECTURAL DRAWINGS. DO NOT SCALE FOR DIMENSIONS NOT SHOWN
6. ALL MATERIALS AND WORKMANSHIP ARE SUBJECT TO THE REVIEW OF THE ARCHITECT AND ENGINEER-OF-RECORD.
7. STRUCTURAL DRAWINGS INDICATE TYPICAL AND CERTAIN SPECIFIC CONDITIONS ONLY. SHOP DRAWINGS SHALL DETAIL ALL CONDITIONS IN ACCORDANCE WITH SPECIFIED STANDARDS AND THE SPECIFIC REQUIREMENTS OF THIS PROJECT AS INDICATED ON THE DRAWINGS.
8. THE CONTRACTOR HAS SOLE RESPONSIBILITY FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES IN ORDER TO COMPLY WITH THE CONSTRUCTION DOCUMENTS.
9. THE GENERAL CONTRACTOR SHALL COORDINATE WITH THE BUILDING OFFICIAL REGARDING SUBMITTAL OF INSPECTION REPORTS TO THE BUILDING DEPARTMENT.
10. THE STRUCTURE DESCRIBED BY THESE DRAWINGS IS SELF SUPPORTING ONLY IN ITS COMPLETED FORM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF TEMPORARY BRACING AND SHORING OF ALL WORK.
11. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL EXCAVATION PROCEDURES INCLUDING SHORING AND PROTECTION OF ANY ADJACENT PROPERTY, STRUCTURES, STREETS AND UTILITIES.
12. THE GENERAL CONTRACTOR SHALL COORDINATE ALL SIZES AND LOCATIONS OF FLOOR, ROOF AND WALL PENETRATIONS WITH THE MECHANICAL AND ARCHITECTURAL DRAWINGS. ALL PENETRATIONS NOT SHOWN ON STRUCTURAL DRAWINGS MUST BE APPROVED BY THE STRUCTURAL ENGINEER-OF-RECORD.
13. COORDINATE WITH OTHER DISCIPLINE DRAWINGS FOR DRIPS, CHAMFERS, REGLETS, RUSTICATIONS, SLOTS, SLEEVES, ANCHORS AND INSERTS.
14. THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR THE DESIGN OF RAILINGS, LADDERS, RACK STORAGE SYSTEMS OR OTHER SYSTEMS NOT SHOWN IN THE STRUCTURAL DOCUMENTS. SUCH SYSTEMS SHALL BE DESIGNED, FURNISHED AND INSTALLED AS REQUIRED BY OTHER PORTIONS OF THE CONTRACT DOCUMENTS.
15. NO PROVISIONS HAVE BEEN MADE IN THE DESIGN FOR THE SUPPORT OF CONCENTRATED LOADS FROM PLUMBING, MECHANICAL, PARTITIONS OR HVAC EXCEPT AS SHOWN ON THE STRUCTURAL DRAWINGS.
16. DO NOT HANG OR ATTACH DUCTWORK, PIPING, LIGHTING, CONDUIT, EQUIPMENT, CEILINGS, ETC. FROM METAL DECKING.
17. THE GENERAL CONTRACTOR SHALL VERIFY THAT MISCELLANEOUS FRAMING SHOWN ON THE STRUCTURAL DRAWINGS FOR MECHANICAL EQUIPMENT, OWNER-FURNISHED ITEMS, PARTITIONS, ETC. IS CONSISTENT WITH THE REQUIREMENTS OF SUCH ITEMS.
18. REVIEW OF SUBMITTALS AND SHOP DRAWINGS BY THE ARCHITECT AND STRUCTURAL ENGINEER DOES NOT RELIEVE THE CONTRACTOR OF THE SOLE RESPONSIBILITY TO REVIEW AND CHECK ALL SUBMITTALS AND SHOP DRAWINGS BEFORE SUBMITTING TO THE STRUCTURAL ENGINEER. CONTRACTOR REMAINS SOLEY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS, AND DIMENSIONS SPECIFIED IN THE CONTRACT DOCUMENTS.

DESIGN CRITERIA :

1. STRUCTURAL DRAWINGS HAVE BEEN PREPARED IN ACCORDANCE WITH THE 2018 INTERNATIONAL BUILDING CODE WITH ALL CURRENT MO AMENDMENTS.
2. LIVE LOADS:
   - ROOF LEVEL: 20.0 PSF (REDUCIBLE AS PER CODE)
3. DEAD LOADS
   - ROOF LEVEL: 20.0 PSF
4. SNOW LOADS
   - GROUND SNOW LOAD: 20 PSF
   - FLAT ROOF SNOW LOAD: 14 PSF
   - C_e: 1.0
   - C_t: 1.0
   - IMPORTANCE FACTOR (I_s): 1.0
5. WIND LOADS
   - ULTIMATE WIND SPEED (Vult): 110 MPH
   - NOMINAL WIND SPEED (Vasd): 86 MPH
   - RISK CATAGORY: II
   - WIND EXPOSURE: C
   - INTERNAL PRESSURE COEFFICENT: +0.18 OR -0.18
6. SEISMIC DESIGN CRITERIA:
   - SEISMIC IMPORTANCE FACTOR: 1.0
   - RISK CATEGORY: II
   - MAPPED ACCELERATIONS:
     - S_S: 0.1 S_1: 0.068
   - SITE CLASS DEFINITION: D (ASSUMED)
   - SPECTRAL RESPONSE COEFFICIENT:
     - S_{DS}: 0.107 S_{D1}: 0.109
   - SEISMIC DESIGN CATEGORY: B
   - RESPONSE MODIFICATION COEFFICIENT (R): 3.0
   - SEISMIC RESPONSE COEFFICIENT (C_S): 0.01
   - SEISMIC FORCE RESISTING SYSTEM: STRUCTURAL STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE
   - DESIGN BASE SHEAR: 10 KIPS
   - ANALYSIS PROCEDURE: EQUVALENT LATERAL FORCE

FOUNDATION NOTES:

1. SINCE GEOTECHNICAL DESIGN INFORMATION WAS NOT AVAILABLE AT THE TIME THESE DRAWINGS WERE PREPARED, THE FOLLOWING ASSUMPTIONS WERE MADE: MINIMUM DESIGN SOIL BEARING PRESSURE = 1,500 PSF, MAXIMUM SETTLEMENT = 3/4", MAXIMUM DIFFERENTIAL SETTLEMENT = 1/2". THE SOIL BEARING PRESSURE SHALL BE VERIFIED AT TIME THE OF EXCAVATION AND THE STRUCTURAL ENGINEER OF RECORD SHALL BE NOTIFIED IF THE ACTUAL SOIL BEARING PRESSURE IS LOWER THAN THE ASSUMED MINIMUM DESIGN SOIL PRESSURE.
2. ALL FOOTINGS MUST BEAR ON ORIGINAL UNDISTURBED SOIL OR STRUCTURAL FILL AND HAVE A MINIMUM 12" OF COVER TO BOTTOM OF FOUNDATION.
3. PRIOR TO POURING CONCRETE, ALL DEBRIS, WATER, AND LOOSE EARTH SHALL BE REMOVED FROM THE FOUNDATION BED. WHERE FOOTING EXCAVATIONS ARE TO REMAIN OPEN ANDMAY BE EXPOSED TO RAINFALL, THE EXCAVATION SHALL BE UNDERCUT AND A 4 INCH THICK MUD MAT OF 2000 PSI CONCRETE SHALL BE PLACED IN THE BOTTOM TO PROTECT THE BEARING SOILS PER GEOTECHNICAL ENGINEER RECOMMENDATIONS.
4. COLUMN FOOTINGS AND WALL FOOTINGS SHALL BE POURED MONOLITHIC WITH ADJACENT FOOTINGS AT THE SAME ELEVATION.
5. REMOVE ALL ORGANIC SOILS AND REPLACE WITH APPROVED STRUCTURAL FILL AT THE DIRECTION OF THE GEOTECHNICAL ENGINEER. COMPACT ALL FILL WITHIN 10 FEET OF THE BUILDING LIMITS TO 95% STANDARD PROCTOR.
6. DO NOT BACKFILL AGAINST BASEMENT WALLS (WALLS SUPPORTED AT TOP & BOTTOM) UNTIL THE FLOOR SLABS AT THE TOP AND BOTTOM OF WALL ARE IN PLACE AND CURED.
7. BACKFILL AGAINST RETAINING WALLS SHALL NOT BE PLACED UNTIL CONCRETE HAS CURED FOR 7 DAYS. BACKFILL SHALL BE DEPOSITED EVENLY AGAINST BOTH SIDES OF WALLS UNTIL THE LOWER FINAL GRADE IS REACHED.
8. COMPACTION OF BACKFILL WITHIN 10 FEET OF WALLS SHOULD BE PERFORMED WITH HAND OPERATED EQUIPMENT.
9. FOUNDATIONS POURED AGAINST EARTH REQUIRE THE FOLLOWING PRECAUTIONS: SLOPE SIDES OF EXCAVATIONS AS APPROVED BY THE GEOTECHNICAL ENGINEER AND CLEAN UP SLOUGHING BEFORE AND DURING CONCRETE PLACEMENT.
10. ALL DRAIN TILE SHALL BE 4" DIA. (MIN) PERFORATED PLASTIC PIPE WITH FABRIC SOCK AND 12" MINIMUM WASHED RIVER ROCK SURROUND. DO NOT USE CRUSHED OR FINE GRAVEL.
11. WHERE A UTILITY LINE PASSES UNDER A FOOTING, PROVIDE A STEEL OR PRECAST SLEEVE WITH MINIMUM 2" CLEAR ON ALL SIDES OF PIPE.

CONCRETE NOTES:

1. MINIMUM CONCRETE COMPRESSIVE STRENGTH (f'c) AT 28 DAYS:
   - ALL CONCRETE: 3000 PSI

     * BUILDING CONCRETE REFERS TO ALL DESIGNED CONCRETE ELEMENTS INDICATED IN THESE STRUCTURAL DOCUMENTS. ALL SITE PAVINGS ARE TO BE DESIGNED AND SPECIFIED BY THE CIVIL ENGINEER,SITE ENGINEER, OR GEOTECHNICAL ENGINEER.
2. CONCRETE PROPORTIONS SHALL CONSIST OF THE FOLLOWING MATERIALS TO ACHIEVE A MIX THAT WILL YIELD A FINISHED PRODUCT THAT WILL PRODUCE THE REQUIRED COMPRESSIVE STRENGTHS LISTED IN NOTE #1 ABOVE.
   A. CEMENTITIOUS MATERIALS:
      a. PORTLAND CEMENT, ASTM C150, TYPE 1.
      b. FLYASH, ASTM C618, CLASS "C" OR "F," NOT TO EXCEED 25% OF CEMENT CONTENT BY WEIGHT
      c. SLAG CEMENT IS NOT ALLOWED.
   B. AGGREGATES: NORMAL WEIGHT, ASTM C33; LIGHT WEIGHT, ASTM C330. PROVIDE ALL AGGREGATE FROM A SINGLE SOURCE.
   C. WATER: ASTM C94, POTABLE
   D. AIR ENTRAINMENT ADMIXTURE: ASTM C260
   E. WATER REDUCING ADMIXTURE: ASTM C494, TYPES D, E, F, OR G
   F. CALCIUM CHLORIDE: ANY ADMIXTURE CONTAINING MORE THAN 0.1% CHLORIDE IONS, CONTENT BY WEIGHT, ARE NOT PERMITTED.
   G. MIX AND DELIVERY TIME FOR PLACEMENT (ASTM C94): 90 MINUTES (MAX)
   H. SLUMP:
      - 4" (+/- 1") WITHOUT WATER REDUCER
      - 6.5" (+/-1.5") WITH WATER REDUCER
   I. AIR CONTENT FOR EXTERIOR CONCRETE: 5.5% (+/- 1.5%)
   J. CONCRETE TEMPERATURE RANGE: 50 - 90 DEGREES AS FIELD CONDITIONS REQUIRE: ADHERE TO ACI-306 FOR COLD-WEATHER PLACEMENT ADHERE TO ACI-301 FOR HOT-WEATHER PLACEMENT.
3. CONCRETE MIX DESIGNS MUST BE SUBMITTED TO THE E.O.R. FOR HIS APPROVAL BEFORE CONSTRUCTION BEGINS . MIX DESIGNS MUST BE SUBMITTED WITH COMPRESSIVE STRENGTH INFORMATION, FOR THAT SPECIFIC MIX, AS PER THE REQUIREMENTS OF CHAPTER 5 OF ACI-318. SUBMISSIONS WITHOUT THIS INFORMATION WILL BE STAMPED "REJECTED" & RETURNED TO THE CONTRACTOR WITHOUT E.O.R. REVIEW. TEST DATA SHALL BE NO OLDER THAN 12 MONTHS. ALL CONCRETE COMPRESSIVE STRENGTH TESTS SHALL BE AVAILABLE ON THE JOB SITE FOR REVIEW BY THE INSPECTOR.
4. STRUCTURAL MEMBERS OF REINFORCED CONCRETE SHALL BE CONSTRUCTED IN ACCORDANCE WITH ACI 318 (LATEST EDITION).
5. SLAB ON GRADE CONTROL OR CONSTRUCTION JOINTS SHALL BE LOCATED AT COLUMN LINES AND INTERMEDIATELY SO THAT NO JOINT SPACING SHALL EXCEED 20'-0", NOR SHALL THE LENGTH OF ANY PANEL EXCEED ONE AND A HALF, (1 1/2), TIMES THE WIDTH OF THAT PANEL. PROVIDE A JOINT AT ALL RE-ENTRANT SLAB CORNERS. REFER TO SECTION DETAILS FOR TYPICAL SLAB JOINT CONSTRUCTION.
6. FLOOR SLAB CONSTRUCTION JOINTS MAY BE DOWELED OR FORMED WITH METAL KEYWAYS.
7. EXTERIOR SLABS SHALL DRAIN FREELY AWAY FROM THE BUILDING. COORDINATE ELEVATIONS WITH CIVIL ENGINEER AND ARCHITECT.
8. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR SLAB FINISHES, SLOPES AND DEPRESSIONS OF INTERIOR SLABS.

REINFORCING STEEL NOTES:

1. SHALL BE DETAILED, FABRICATED AND PLACED ACCORDING TO THE LATEST STANDARDS OF THE AMERICAN CONCRETE INSTITUTE (ACI) AND THE CONCRETE REINFORCING STEEL INSTITUTE (CRSI).
2. MATERIALS:
   - REINFORCING BARS SHALL COMPLY WITH ASTM A615 GRADE 60.
   - WELDED WIRE FABRIC SHALL COMPLY WITH ASTM A82 AND A185.
   - REINFORCING BARS FOR WELDING SHALL COMPLY WITH ASTM A706.
3. CLEAR MINIMUM COVER OF CONCRETE OVER REINFORCING BARS SHALL BE AS FOLLOWS:
   - CONCRETE PLACED AGAINST EARTH 3"
   - FORMED SURFACES EXPOSED TO EARTH 2"
   - TOP OF SLABS 3/4"
4. ALL BARS DENOTED CONTINUOUS ON PLANS, SECTIONS AND DETAILS SHALL HAVE CLASS "B" TENSION SPLICE LAPS AND CORNER BARS AND HOOKS AT DISCONTINUOUS ENDS. SPLICED BARS SHALL BE SECURELY WIRED TOGETHER. SPLICES OF ADJACENT REINFORCING BARS SHALL BE STAGGERED 24" WHEREVER POSSIBLE.
5. WELDED WIRE FABRIC, WHERE REQUIRED, SHALL BE PLACED IN THE CENTER OF THE SLAB UNLESS NOTED OTHERWISE. LAP JOINTS ONE WIRE SPACING PLUS 2" OR A MINIMUM OF 6". EXTEND FABRIC TO WITHIN 1" OF EDGES OF SLABS ON GRADE.
6. PROVIDE PRECAST DOBIES, WIRE OR PLASTIC CHAIRS, SUPPORT BARS, ETC. TO MAINTAIN SPECIFIED CLEARANCES FOR THE ENTIRE LENGTH OF ALL REINFORCING BARS AND WELDED WIRE FABRIC. DO NOT USE REBAR STAKES TO SUPPORT REINFORCING. ALL REINFORCEMENT SHALL BE FASTENED AND SECURED TO PREVENT DISPLACEMENT BY THE PLACING OF CONCRETE.
7. REBAR FOR WELDED CONNECTIONS MUST MEET ASTM A706. STANDARD ASTM A615 GRADE 60 REBARS ARE NOT ACCEPTABLE FOR WELDING. WELDING PROCEDURE SHALL CONFORM TO ANSI/AWS D1.4 "STRUCTURAL WELDING CODE - REINFORCING STEEL". DO NOT TACK WELD.
8. REINFORCING DOWELS, WHERE REQUIRED, SHALL MATCH THE SIZE, SPACING AND QUANTITY OF MAIN REINFORCING, UNLESS NOTED OTHERWISE.

STRUCTURAL STEEL NOTES:

1. STRUCTURAL STEEL MATERIALS:
   - STRUCTURAL STEEL: ASTM A992, Fy = 50 KSI
   - OTHER SHAPES AND PLATES: ASTM A36, Fy = 36 KSI
   - STRUCTURAL TUBING: ASTM A500, GRADE C, Fy = 50 KSI
   - STRUCTURAL PIPE: ASTM A53, GRADE B, Fy = 35 KSI
   - CONNECTION BOLTS: ASTM A325, UNLESS NOTED OTHERWISE
   - ANCHOR BOLTS: ASTM F1554, A307 OR A36, Fy = 36 KSI. PROVIDE 3 NUTS AND 2 WASHERS WITH EACH ANCHOR BOLT.
   - WELDING ELECTRODES: E70-XX, UNLESS NOTED OTHERWISE
2. STRUCTURAL STEEL DETAILING, FABRICATION, AND ERECTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "MANUAL OF STEEL CONSTRUCTION" OF THE AISC.
3. BOLTED CONNECTIONS SHALL BE MADE USING 3/4" DIAMETER BOLTS AND WASHERS CONFORMING TO ASTM A325 UNLESS OTHERWISE NOTED. THEY SHALL BE ASSEMBLED, INSTALLED AND INSPECTED IN ACCORDANCE WITH "RCSC-2009, SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR ASTM A490 BOLTS". BOLTS SHALL BE TIGHTENED TO THE SNUG TIGHT CONDITION UNLESS OTHERWISE NOTED ON THE DRAWINGS. ALL HOLES TO BE DRILLED OR PUNCHED; FLAME CUTTING OR TORCHING OF HOLES IS NOT ALLOWED AT ANY TIME.
   - BOLTS SHALL BE TIGHTENED TO THE SNUG TIGHT CONDITION UNLESS OTHERWISE NOTED ON THE DRAWINGS.
   - BOLTED MOMENT CONNECTIONS, BRACES AND HANGERS SHALL HAVE PRE-TENSIONED BOLTS AS ALLOWED BY RCSC'S "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS."
   - ALL DIAMETERS OF PRE-TENSIONED BOLTS SHALL HAVE DIRECT TENSION INDICATOR WASHERS, "DTI," TO ALLOW FOR PROPER VERIFICATION OF THE REQUIRED BOLT TENSIONING. USE OF ANY OTHER VERIFICATION METHOD OF BOLT TENSIONING IS TO BE PRESENTED TO THE E.O.R. DURING THE STEEL SHOP DRAWING PROCESS FOR HIS APPROVAL OR DISAPPROVAL.
4. SHOP OR FIELD SPLICES BETWEEN SUPPORTS THAT ARE NOT REQUIRED BY DESIGN WILL NOT BE ALLOWED. ANY MEMBERS CONTAINING SUCH SPLICES SHALL BE REMOVED AND REPLACED WITH UNSPLICED MEMBERS AT THE FABRICATOR'S EXPENSE.
5. PROVIDE BOLTS AND PUNCHED HOLES IN STRUCTURAL AND MISCELLANEOUS STEEL FOR ATTACHMENTS OF WOOD NAILERS AS REQUIRED ON THE ARCHITECTURAL, MECHANICAL AND STRUCTURAL DRAWINGS.
6. MINIMUM SIZE OF WELD IS 3/16" UNLESS NOTED OTHERWISE. ALL WELDING SHALL CONFORM TO THE CURRENT PROVISIONS OF AWS D1.1, STRUCTURAL WELDING CODE BY THE AMERICAN WELDING SOCIETY. ALL WORK SHALL BE PERFORMED BY CERTIFIED WELDERS EXPERIENCED IN THE TYPE OF CONSTRUCTION INVOLVED. PROOF OF WELDER CERTIFICATION SHALL BE AVAILABLE AT THE JOB SITE.
7. SHOP DRAWINGS SHALL SHOW COMPLETE WELDING INFORMATION, BOTH SHOP AND FIELD, USING AMERICAN WELDING SOCIETY SYMBOLS UNLESS OTHERWISE INDICATED.
8. PROVIDE 1-1/2" NON-METALLIC, SHRINKAGE RESISTANT GROUT CONFORMING TO ASTM C1107 UNDER ALL COLUMN BASEPLATES.
9. ALL STEEL SHALL HAVE A PRIME COAT OF PAINT EXCEPT AREAS TO BE FIELD WELDED AND STEEL SCHEDULED TO RECEIVE FIREPROOFING.
10. ALL PORTIONS OF STEEL ENCASED IN CONCRETE, GROUT, OR IN CONTACT WITH EARTH SHALL BE PAINTED WITH BITUMINOUS PAINT.
11. PRIME AND PAINT ALL FIELD WELDS AFTER INSPECTION.
12. STEEL FABRICATOR TO BE AN AISC CERTIFIED FABRICATOR.
13. ALL PLAN DIMENSIONS ARE TO CENTERLINE OF STEEL MEMBERS EXCEPT FOR STEEL CHANNELS. CHANNEL DIMENSIONS ARE TO THE BACK FACE OF THE WEB.
14. REFER TO ARCHITECTURAL DRAWINGS FOR MISCELLANEOUS STEEL BRACKETS, BRACES, SUPPORTS, ETC. NOT INDICATED ON THE STRUCTURAL DRAWINGS.

SHOP DRAWING NOTES:

1. CONTRACTOR SHALL ENGAGE A QUALIFIED PROFESSIONAL ENGINEER TO PREPARE AND FURNISH SIGNED & SEALED DESIGN CALCULATIONS AND SHOP DRAWINGS FOR THE FOLLOWING STRUCTURAL MATERIALS:
   - ANCHOR BOLT LAYOUT
   - STRUCTURAL STEEL
   - REINFORCING STEEL
   - CONCRETE MIX DESIGN
2. UNLESS NOTED, SUBMIT SHOP DRAWINGS FOR ALL FABRICATED MATERIALS. ALL SHOP DRAWINGS MUST BEAR THE REVIEW STAMP OF THE GENERAL CONTRACTOR. UNSTAMPED SHOP DRAWINGS WILL BE REJECTED WITHOUT REVIEW.
3. ALLOW A MINIMUM OF 10 WORKING DAYS FOR ARCHITECT/ENGINEER REVIEW OF EACH SHOP DRAWING SUBMITTAL.
4. SHOP DRAWINGS FOR CONSTRUCTION OF EACH BUILDING COMPONENT NOT DESIGNED BY THE DESIGN ENGINEER OF RECORD AND NOT SPECIFIED IN THE CONSTRUCTION DOCUMENTS SHALL BE SIGNED & SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF THE PROJECT. COMPONENTS INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING: LADDERS, RACK SYSTEMS, GLAZING SYSTEMS, AWNINGS AND ANY OTHER ITEM THAT IS DESIGNATED AS "DESIGNED BY OTHERS" OR "PRE ENGINEERED". THESE SHOP DRAWINGS SHALL BEAR CLEAR INDICATION THAT THEY HAVE BEEN REVIEWED BY THE PROJECT ARCHITECT OR ENGINEER OF RECORD.
5. SHOP DRAWINGS SUBMITTED TO THE ENGINEER OF RECORD SHALL ADHERE TO THE FOLLOWING GUIDELINES OR THEY WILL BE REJECTED AND RETURNED TO SENDER UNCHECKED:
   - THE LATEST ISSUE DATE, IN THE DRAWING REVISION BOX, OF ANY SHEET IN THE STRUCTURAL DRAWING SET, SHALL BE CLEARLY SHOWN ON THE TOP SHEET OF THE SHOP DRAWINGS.
   - NO PARTIAL SETS WILL BE ACCEPTED, UNLESS PREVIOUSLY APPROVED BY THE ENGINEER OF RECORD.
6. DETAILER SHALL COORDINATE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ALL ATTACHMENTS, CLIPS, OPENINGS OR DUCTWORK AFFECTING STRUCTURAL MEMBERS. ALL ITEMS SHALL BE SHOWN ON SHOP DRAWINGS.
7. DIMENSIONAL COORDINATION SHALL BE PERFORMED BY THE GENERAL CONTRACTOR AND/OR THEIR FABRICATOR.
8. PROPOSED CHANGES TO THE CONSTRUCTION DOCUMENTS SHALL BE CLEARLY MARKED IN THE SHOP DRAWINGS AND SHALL INCLUDE SIGNED & SEALED DRAWINGS AND CALCULATIONS BY AN ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED. THE ENGINEER OF RECORD WILL REVIEW THE PROPOSED CHANGE FOR ACCEPTANCE.
9. THE CONTRACTOR SHALL HAVE PROOF OF WELDER CERTIFICATION AT THE JOBSITE AT ALL TIMES.
10. APPROVED SHOP DRAWINGS SHALL BE AVAILABLE AT THE JOBSITE AT ALL TIMES.

CONCRETE REINFORCING
LAP LENGTH (3000 PSI)

REINFORCING SIZE	TENSION LAP SPLICE CLASS "A"	TENSION LAP SPLICE CLASS "B"	COMPRESSION SPLICE
#3	17"	22"	9"
#4	22"	29"	11"
#5	28"	39"	14"
#6	33"	43"	17"
#7	48"	63"	20"
#8	55"	72"	22"
#9	62"	81"	25"
#10	70"	91"	28"
#11	78"	101"	31"

ABBREVIATIONS

A.B.	ANCHOR BOLT	MAS.	MASONRY
AFF	ABOVE FINISHED FLOOR	MAX	MAXIMUM
ARCH	ARCHITECT	MFR.	MANUFACTURER
		MIN.	MINIMUM
B/	BOTTOM OF	MISC.	MISCELLANEOUS
BM.	BEAM	M.O.	MASONRY OPENING
BOTT	BOTTOM	MTL.	METAL
BLKG.	BLOCKING		
BLDG.	BUILDING	N.A.	NOT APPLICABLE
		N/A	NOT APPLICABLE
CJ	CONTROL/CONSTRUCTION JOINT	N.I.C.	NOT IN CONTRACT
C.L.	CENTER LINE	N.T.S.	NOT TO SCALE
CLR	CLEAR		
CMU	CONCRETE MASONRY UNIT	O.C.	ON CENTER
COL	COLUMN	O.D.	OUTSIDE DIAMETER
CONC	CONCRETE	O.H.	OPPOSITE HAND
CONT	CONTINUOUS	OPNG	OPENING
CONST	CONSTRUCTION	OPP.	OPPOSITE
CONTR.	CONTRACTOR		
COORD	COORDINATE	P.A.F.	POWDER ACTUATED FASTENER
CTR.	CENTER	PJF	PREMOLDED JOINT FILLER
		PL	PLATE
DET.	DETAIL	PLYWD.	PLYWOOD
DIA	DIAMETER	PREFAB.	PREFABRICATED
DN	DOWN	P.T.	PRESSURE TREATED
DIM.	DIMENSION	PTD.	PAINTED
DWG.	DRAWING		
		RAD.	RADIUS
EA.	EACH	REINF	REINFORCING
E.J.	EXPANSION JOINT	REQ'D	REQUIRED
EL	ELEVATION		
ELEV	ELEVATION	SECT.	SECTION
E.O.R.	ENGINEER OF RECORD	SHT.	SHEET
E.W.	EACH WAY	SIM.	SIMILAR
EXIST.	EXISTING	SPCS	SPACES
		SQ.	SQUARE
F.F.	FINISH FLOOR	STD.	STANDARD
FIN. FLR.	FINISH FLOOR	STL	STEEL
FT.	FOOT	STRUC.	STRUCTURAL
FTG	FOOTING	S.W.	SHORT WAY
F.V.	FIELD VERIFY		
		T/	TOP OF
GA.	GAUGE	THK.	THICK
GALV.	GALVANIZED	T.O.S.	TOP OF STEEL
G.C.	GENERAL CONTRACTOR	TYP	TYPICAL
GDR	GIRDER		
		U.N.O.	UNLESS NOTED OTHERWISE
HT.	HEIGHT		
HORIZ	HORIZONTAL	VERT.	VERTICAL
JST	JOIST	WD	WOOD
JT	JOINT	WF	WIDE FLANGE
		WWF	WELDED WIRE FABRIC
KB	KNEE BRACE	WWM	WELDED WIRE MESH
		W/	WITH
LG	LONG	W/O	WITHOUT
LLH	LONG LEG HORIZONTAL	WP	WORK POINT
LLV	LONG LEG VERTICAL		
LW	LONG WAY		

smalls SLIDERS

SMALLS SLIDERS
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GENERAL NOTES

REVISIONS	
NO.	DATE

PROJECT NO: 25.2003

SHEET S0.01

DATE: ---

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SPECIAL INSPECTIONS AND TESTS:

THIS PROJECT REQUIRES SPECIAL INSPECTION AND TESTING IN ACCORDANCE WITH CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE. THESE NOTES AND THE STATEMENT OF SPECIAL INSPECTIONS PREPARED FOR THE PROJECT OWNER ARE INTENDED TO INFORM THE CONTRACTOR OF THE QUALITY ASSURANCE PROGRAM AND THE EXTENT OF THE CONTRACTOR'S RESPONSIBILITIES.

THE SPECIAL INSPECTION AND TESTS PROGRAM:

1. THE SPECIAL INSPECTION AND TESTING PROGRAM IS A QUALITY ASSURANCE PROGRAM INTENDED TO ENSURE THAT THE WORK IS PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THESE INSPECTIONS ARE IN ADDITION TO THE INSPECTIONS SECTION IN CHAPTER 1 OF THE IBC. THE SPECIAL INSPECTION PROGRAM DOES NOT RELIEVE THE CONTRACTOR OF HIS OR HER RESPONSIBILITY TO COMPLY WITH THE OFFICIAL CONTRACT DOCUMENTS. FURTHER, IT IS NOT INTENDED THAT THE CONTRACTOR'S CONTRACTUAL AND STATUTORY OBLIGATIONS ARE ANYWAY RELIEVED OR FOREGONE BY THE PRESENCE OF THE SPECIAL INSPECTOR. THE CONTRACTOR HAS THE SOLE RESPONSIBILITY FOR ANY DEVIATIONS FROM THE OFFICIAL CONTRACT DOCUMENTS. THE SPECIAL INSPECTOR DOES NOT REPLACE THE DUTIES OF THE BUILDING OFFICIAL NOR THE QUALITY CONTROL RESPONSIBILITIES AND PERSONNEL OF THE CONTRACTOR. JOB SITE SAFETY AND MEANS AND METHODS OF CONSTRUCTION ARE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.

2. THE PROJECT OWNER IS RESPONSIBLE FOR EMPLOYING SPECIAL INSPECTION SERVICES. THE SPECIAL INSPECTOR/AGENCY SHALL NOT BE IN THE EMPLOY OF THE CONTRACTOR, SUBCONTRACTOR OR MATERIAL SUPPLIER. IBC CHAPTER 17. IN THE CASE OF AN OWNER/CONTRACTOR, THE SPECIAL INSPECTOR/AGENCY SHALL BE EMPLOYED AS SPECIFIED BY THE BUILDING OFFICIAL.

3. THE SPECIAL INSPECTOR IS OBLIGATED TO BOTH THE OWNER AND THE BUILDING OFFICIAL FOR OBSERVING THAT THE WORK IS EXECUTED IN SUBSTANTIVE ACCORDANCE WITH THE OFFICIAL CONTRACT DOCUMENTS. THE OFFICIAL CONTRACT DOCUMENTS ARE DEFINED AS THE PERMITTED PLANS AND SPECIFICATIONS, ADDENDA, CHANGE ORDERS, ISSUED SKETCHES AND REVISION DRAWINGS, AND ALL DIRECTIVES ISSUED BY ARCHITECT/ENGINEER.

4. THE INSPECTION AND TESTING AGENTS SHALL DISCLOSE ANY PAST OR PRESENT BUSINESS RELATIONSHIP OR POTENTIAL CONFLICT OF INTEREST WITH THE CONTRACTOR OR ANY OF THE SUBCONTRACTORS WHOSE WORK IS TO BE INSPECTED OR TESTED. THE SPECIAL INSPECTORS MAY HAVE NO FINANCIAL INTEREST IN PROJECTS FOR WHICH THEY PROVIDE SPECIAL INSPECTION SERVICES.

SPECAIL INSPECTION REPORT REQUIREMENTS:

1. SPECIAL INSPECTION REPORTS AND A FINAL REPORT IN ACCORDANCE WITH SECTION 1704 SHALL BE SUBMITTED TO THE BUILDING OFFICIAL PRIOR TO THE TIME THAT PHASE OF THE WORK IS APPROVED FOR OCCUPANCY.

2. REPORT REQUIREMENT: SPECIAL INSPECTORS SHALL KEEP RECORDS OF ALL INSPECTIONS. THE SPECIAL INSPECTOR SHALL FURNISH THE INSPECTION REPORTS TO THE BUILDING OFFICIAL, AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. REPORTS SHALL INDICATE THAT THE WORK INSPECTED WAS OR WAS NOT COMPLETED IN CONFORMANCE TO THE APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THEY ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO THE COMPLETION OF THAT PHASE OF THE WORK. A FINAL REPORT DOCUMENTING THE REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF ANY OF THE DISCREPANCIES NOTED IN THE INSPECTIONS, SHALL BE SUBMITTED TO THE BUILDING OFFICIAL PRIOR TO THE TIME THAT PHASE OF THE WORK IS APPROVED FOR OCCUPANCY.

THE CONSTRACTOR SHALL BE RESPONSIBLE FOR COSTS OF:

1. RETESTING AND REINSPECTION OF MATERIALS, WORK AND/OR PRODUCTS THAT DO NOT MEET THE REQUIREMENTS OF THE CONTRACT DOCUMENTS AND SHOP DRAWINGS/SUBMITTAL DATA.

2. REVIEW OF PROPOSED REPAIR AND/OR REPLACEMENT PROCEDURES BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE AND THE INSPECTORS AND TESTING AGENCIES.

3. REPAIR OR REPLACEMENT OF WORK THAT DOES NOT MEET THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

4. THE CONTRACTOR IS RESPONSIBLE FOR THE TRAVEL COSTS OF THE SPECIAL INSPECTOR OR AGENTS WHEN SHOP INSPECTION IS REQUIRED OF A NON APPROVED STRUCTURAL COMPONENT FABRICATOR.

CONTRACTOR RESPOSIBILITIES:

1. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE SPECIAL INSPECTOR IN ADVANCE OF CONSTRUCTION SCHEDULES AND PLANNED OPERATIONS IN ORDER TO ASSURE TIMELY AND APPROPRIATE INSPECTION FOR THE ITEMS LISTED IN THE SCHEDULE OF SPECIAL INSPECTIONS. THE CONTRACTOR SHALL PROVIDE ADEQUATE NOTICE TO THE SPECIAL INSPECTOR FOR ALL INSPECTIONS.

2. THE CONTRACTOR SHALL COOPERATE WITH AND ASSIST THE SPECIAL INSPECTOR IN PERFORMING HIS INSPECTION DUTIES. THE SPECIAL INSPECTOR SHALL HAVE FREE ACCESS TO THE PROJECT AT ALL TIMES. THE CONTRACTOR SHALL REVIEW THE SPECIAL INSPECTION PLAN AND COORDINATE THE SCHEDULE OF WORK TO ACCOMMODATE THE REQUIRED INSPECTIONS.

3. PROVIDE ACCESS TO APPROVED PLANS: THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE SPECIAL INSPECTOR ACCESS TO APPROVED PLANS. THE CONTRACTOR SHALL MAINTAIN A CURRENT SET OF THE CONTRACT DOCUMENTS AT THE JOB SITE.

4. CORRECT DISCREPANCIES AND DEVIATIONS: THE CONTRACTOR SHALL, UPON BEING INFORMED BY THE SPECIAL INSPECTOR, IMMEDIATELY CAUSE TO ELIMINATE SUCH DISCREPANCIES AND DEVIATIONS.

5. WORK COMPLETED WITHOUT INSPECTION: WORK REQUIRING INSPECTION WHICH IS COMPLETED WITHOUT INSPECTION WILL BE REJECTED SOLELY ON THAT BASIS.

6. RETAIN SPECIAL INSPECTION RECORDS: THE CONTRACTOR IS ALSO RESPONSIBLE FOR RETAINING AT THE JOB SITE ALL SPECIAL INSPECTION RECORDS COMPLETED BY THE SPECIAL INSPECTOR.

INSPECTION OF FABRICATORS:

1. WHERE FABRICATION OF STRUCTURAL MEMBERS AND ASSEMBLIES ARE PERFORMED ON THE PREMISES OF THE FABRICATOR, THE SHOP FABRICATION REQUIRES SPECIAL INSPECTION DURING THE FABRICATION OF ITEMS FOR THIS PROJECT.
   - EXEMPTION:
     - FABRICATORS APPROVED BY THE BUILDING OFFICIAL ARE EXEMPT FROM THE ON PREMISE INSPECTION. THE APPROVAL BY THE BUILDING OFFICIAL OF ANY FABRICATOR SHOULD BE PROPERLY DOCUMENTED PRIOR TO THE COMMENCEMENT OF FABRICATION. EXEMPTION WILL BE PROVIDED TO FABRICATORS WHO PROVIDE PROOF OF CERTIFICATION BY A NATIONALLY RECOGNIZED GOVERNING ASSOCIATION WHICH PERFORMS PERIODIC INSPECTIONS AND MAINTAINS QUALITY ASSURANCE CRITERIA. EXAMPLES ARE: AISC CERTIFICATION FOR A STEEL FABRICATOR, SJI CERTIFICATION FOR A STEEL JOIST MANUFACTURER, WTC AND TPI CERTIFICATION FOR A PRE-ENGINEERED WOOD TRUSS MANUFACTURER.

2. AT THE COMPLETION OF FABRICATION, THE FABRICATOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE BUILDING OFFICIAL STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.

OTHER REQUIRED INSPECTIONS:

1. THE REQUIREMENTS OF SPECIAL INSPECTIONS AND TESTING IN ACCORDANCE OF THE INTERNATIONAL BUILDING CODE ARE MINIMUM REQUIREMENTS AND DO NOT LIMIT THE REQUIREMENTS FOR THE CONTRACTOR TO PROVIDE OTHER QUALITY CONTROL INSPECTIONS AND TESTING REQUIRED BY THE OWNER, CONTRACT DOCUMENTS, OR GOVERNING AUTHORITIES HAVING JURISDICTION.

SCHEDULE OF SPECIAL INSPECTIONS

1705.2.1 STRUCTURAL STEEL CONSTRUCTION

MATERIAL / ACTIVITY	SERVICE	Y	N	EXTENT
1. FABRICATOR AND ERECTOR DOCUMENTS (VERIFY REPORTS AND CERTIFICATES AS LISTED IN AISC 360, CHAPTER N, PARAGRAPH 3.2 FOR COMPLIANCE WITH CONSTRUCTION DOCUMENTS)	SUBMITTAL REVIEW	●		EACH SUBMITTAL
2. MATERIAL VERIFICATION OF STRUCTURAL STEEL	SHOP (3) AND FIELD INSPECTION	●		PERIODIC
3. STRUCTURAL STEEL WELDING:				
a. INSPECTION TASKS PRIOR TO WELDING (OBSERVE, OR PERFORM FOR EACH WELDED JOINT OR MEMBER, THE QA TASKS LISTED IN AISC 360, TABLE N5.4-1)	SHOP (3) AND FIELD INSPECTION	●		OBSERVE OR PERFORM AS NOTED (4)
b. INSPECTION TASKS DURING WELDING (OBSERVE, OR PERFORM FOR EACH WELDED JOINT OR MEMBER, THE QA TASKS LISTED IN AISC 360, TABLE N5.4-2)	SHOP (3) AND FIELD INSPECTION		●	OBSERVE (4)
c. INSPECTION TASKS AFTER WELDING (OBSERVE, OR PERFORM FOR EACH WELDED JOINT OR MEMBER, THE QA TASKS LISTED IN AISC 360, TABLE N5.4-3)	SHOP (3) AND FIELD INSPECTION	●		OBSERVE OR PERFORM AS NOTED (4)
d. NONDESTRUCTIVE TESTING (NDT) OF WELDED JOINTS: SEE COMMENTARY				
1. COMPLETE PENETRATION GROOVE WELDS 5/16" OR GREATER IN RISK CATEGORY III OR IV	SHOP (3) OR FIELD ULTRASONIC TESTING - 100%		●	PERIODIC
2. COMPLETE PENETRATION GROOVE WELDS 5/16" OR GREATER IN RISK CATEGORY II	SHOP (3) OR FIELD ULTRASONIC TESTING - 100%	●		PERIODIC
3. WELDED JOINTS SUBJECT TO FATIGUE WHEN REQUIRED BY AISC 360, APPENDIX 3, TABLE A-3.1	SHOP (3) OR FIELD ULTRASONIC TESTING - 100%	●		PERIODIC
4. FABRICATOR'S NDT REPORTS WHEN FABRICATOR PERFORMS ND	VERIFY REPORTS	●		EACH SUBMITTAL
4. STRUCTURAL STEEL BOLTING:				
a. INSPECTION TASKS PRIOR TO BOLTING (OBSERVE, OR PERFORM TASKS FOR EACH BOLTED CONNECTION, IN ACCORDANCE WITH QA TASKS LISTED IN AISC 360, TABLE N5.6-1)	SHOP (3) AND FIELD INSPECTION	●		OBSERVE OR PERFORM AS NOTED (4)
b. INSPECTION TASKS DURING BOLTING (OBSERVE THE QA TASKS LISTED IN AISC 360, TABLE N5.6-2)				
1. PRE-TENSIONED AND SLIP-CRITICAL JOINTS				
a. TURN-OF-NUT WITH MATCHING MARKINGS	SHOP (3) AND FIELD INSPECTION	●		PERIODIC
b. DIRECT TENSION INDICATOR	SHOP (3) AND FIELD INSPECTION	●		PERIODIC
c. TWIST-OFF TYPE TENSION CONTROL BOLT	SHOP (3) AND FIELD INSPECTION	●		PERIODIC
d. TURN-OF-NUT WITHOUT MATCHING MARKINGS	SHOP (3) AND FIELD INSPECTION	●		CONTINUOUS
e. CALIBRATED WRENCH	SHOP (3) AND FIELD INSPECTION	●		CONTINUOUS
2. SNUG-TIGHT JOINTS	SHOP (3) AND FIELD INSPECTION	●		PERIODIC
c. INSPECTION TASKS AFTER BOLTING (PERFORM TASKS FOR EACH BOLTED CONNECTION IN ACCORDANCE WITH QA TASKS LISTED IN AISC 360, TABLE N5.6-3)	SHOP (3) AND FIELD INSPECTION	●		PERFORM (4)
5. VISUAL INSPECTION OF EXPOSED CUT SURFACES OF GALVANIZED STRUCTURAL STEEL MAIN MEMBERS AND EXPOSED CORNERS OF THE RECTANGULAR HSS FOR CRACKS SUBSEQUENT TO GALVANIZING	SHOP (3) AND FIELD INSPECTION	●		PERIODIC
6. EMBEDMENTS (VERIFY DIAMETER, GRADE, TYPE, LENGTH, EMBEDMENT. SEE 1705.3 FOR ANCHORS)	FIELD INSPECTION	●		PERIODIC
7. VERIFY MEMBER LOCATIONS, BRACES, STIFFENERS, AND APPLICATION OF JOINT DETAILS AT EACH CONNECTION COMPLY WITH CONSTRUCTION DOCUMENTS	FIELD INSPECTION	●		PERIODIC

1705.3 CONCRETE CONSTRUCTION

MATERIAL / ACTIVITY	SERVICE	Y	N	EXTENT
1. INSPECTION AND PLACEMENT VERIFICATION OF REINFORCING STEEL AND PRESTRESSING TENDONS.	SHOP (3) AND FIELD INSPECTION	●		PERIODIC
2. REINFORCING BAR WELDING:				
a. VERIFICATION OF WELDABILITY OF BARS OTHER THAN ASTM A706.		●		PERIODIC
b. INSPECTION OF SINGLE-PASS FILLET WELDS 5/16 OR LESS IN SIZE.		●		PERIODIC
c. INSPECTION OF ALL OTHER WELDS.		●		CONTINUOUS
3. INSPECTION OF ANCHORS CAST IN CONCRETE.	SHOP (3) AND FIELD INSPECTION	●		PERIODIC
4. INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS PER RESEARCH REPORTS, OR, IF NO SPECIFIC REQUIREMENTS ARE PROVIDED, REQUIREMENTS SHALL BE PROVIDED BY THE REGISTERED DESIGN PROFESSIONAL AND APPROVED BY THE BUILDING OFFICIAL, INCLUDING VERIFICATION OF ANCHOR TYPE, ANCHOR DIMENSIONS, HOLE DIMENSIONS, HOLE CLEANING PROCEDURES, ANCHOR SPACING, EDGE DISTANCES, CONCRETE MINIMUM THICKNESS, ANCHOR EMBEDMENT AND TIGHTENING TORQUE	FIELD INSPECTION	●		PERIODIC OR AS REQUIRED BY THE RESEARCH REPORT ISSUED BY AN APPROVED SOURCE
a. ADHESIVE ANCHORS INSTALLED IN HORIZONTAL OR UPWARD-INCLINED ORIENTATION THAT RESIST SUSTAINED TENSION LOADS.			●	CONTINUOUS
b. MECHANICAL AND ADHESIVE ANCHORS NOTE DEFINED IN 4A.		●		PERIODIC
5. VERIFY USE OF APPROVED DESIGN MIX	SHOP (3) AND FIELD INSPECTION	●		PERIODIC
6. PRIOR TO PLACEMENT, FRESH CONCRETE SAMPLING, PERFORM SLUMP AND AIR CONTENT TESTS AND DETERMINE TEMPERATURE OF CONCRETE AND PERFORM ANY OTHER TESTS AS SPECIFIED IN CONSTRUCTION DOCUMENTS.	SHOP (3) AND FIELD INSPECTION	●		CONTINUOUS
7. INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	SHOP (3) AND FIELD INSPECTION	●		CONTINUOUS
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES	SHOP (3) AND FIELD INSPECTION	●		PERIODIC
9. INSPECTION OF PRESTRESSED CONCRETE:				
a. APPLICATION OF PRESTRESSING FORCE	SHOP (3) AND FIELD INSPECTION		●	CONTINUOUS
b. GROUTING OF BONDED PRESTRESSING TENDONS	SHOP (3) AND FIELD INSPECTION		●	CONTINUOUS
10. INSPECT ERECTION OF PRECAST CONCRETE MEMBERS	SHOP (3) AND FIELD INSPECTION		●	PERIODIC
11. VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS	REVIEW FIELD TESTING AND LABORATORY REPORTS		●	PERIODIC
12. INSPECTION OF FORMWORK FOR SHAPE, LINES, LOCATION AND DIMENSIONS	FIELD INSPECTION	●		PERIODIC
13. CONCRETE STRENGTH TESTING AND VERIFICATION OF COMPLIANCE WITH CONSTRUCTION DOCUMENTS	FIELD TESTING AND REVIEW OF LABORATORY REPORTS	●		PERIODIC

1705.6 SOILS

MATERIAL / ACTIVITY	SERVICE	Y	N	EXTENT
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	FIELD INSPECTION	●		PERIODIC
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	FIELD INSPECTION	●		PERIODIC
3. PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS.	FIELD INSPECTION	●		PERIODIC
4. VERIFY USE OF PROPER MATERIALS, DENSITIES, AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL	FIELD INSPECTION	●		CONTINUOUS
5. PRIOR TO PLACEMENT OF CONTROLLED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY	FIELD INSPECTION	●		PERIODIC

*INSPECTION AGENTS FIRM	ADDRESS	TELEPHONE NO.
1.		
2.		
3.		
4.		

NOTES:
1. THE INSPECTION AND TESTING AGENT(S) SHALL BE ENGAGED BY THE OWNER OR THE OWNER'S AGENT, AND NOT BY THE CONTRACTOR OR SUBCONTRACTOR WHOSE WORK IS TO BE INSPECTED OF TESTED. ANY CONFLICT OF INTEREST MUST BE DISCLOSED TO THE BUILDING OFFICIAL PRIOR TO COMMENCING WORK. THE QUALIFICATIONS OF THE SPECIAL INSPECTOR(S) AND/OR TESTING AGENCIES MAY BE SUBJECT TO THE APPROVAL OF THE BUILDING OFFICIAL AND/OR THE DESIGN PROFESSIONAL.
2. THE LIST OF SPECIAL INSPECTORS MAY BE SUBMITTED AS A SEPARATE DOCUMENT, IF NOTED SO ABOVE.
3. SHOP INSPECTIONS OF FABRICATED ITEMS ARE NOT REQUIRED WHERE THE FABRICATOR IS APPROVED IN ACCORDANCE WITH IBC SECTION 1704.2.5.1 AND LISTED IN ACTIVITY 1709.2.
4. OBSERVE: OBSERVE ON A RANDOM BASIS, OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS. PERFORM: THESE TASKS SHALL BE PERFORMED FOR EACH WELDED JOINT, BOLTED CONNECTION, OR STEEL ELEMENT.
5. NOT OF WELDS COMPLETED IN AN APPROVED FABRICATOR'S SHOP MAY BE PERFORMED BY THAT FABRICATOR WHEN APPROVED BY THE AHJ. REFER TO AISC 360, N6.

ARE SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE INCLUDED IN THE STATEMENT OF SPECIAL INSPECTIONS? NO

ARE SPECIAL INSPECTIONS FOR WIND RESISTANCE INCLUDED IN THE STATEMENT OF SPECIAL INSPECTIONS? NO

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STATE OF MISSOURI
Marc A. Rossignol
NUMBER
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PROFESSIONAL ENGINEER
10/01/2025

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SPECIAL INSPECTION NOTES

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FOUNDATION NOTES:

1. PROVIDE PIPE SLEEVE FOR PIPES PASSING UNDER FOOTINGS.
2. TOP OF FOOTING AND/OR BOTTOM OF TURNDOWN SHALL BE A MINIMUM OF 1'-4" BELOW ADJACENT GRADES.

CONCRETE SLAB NOTES:

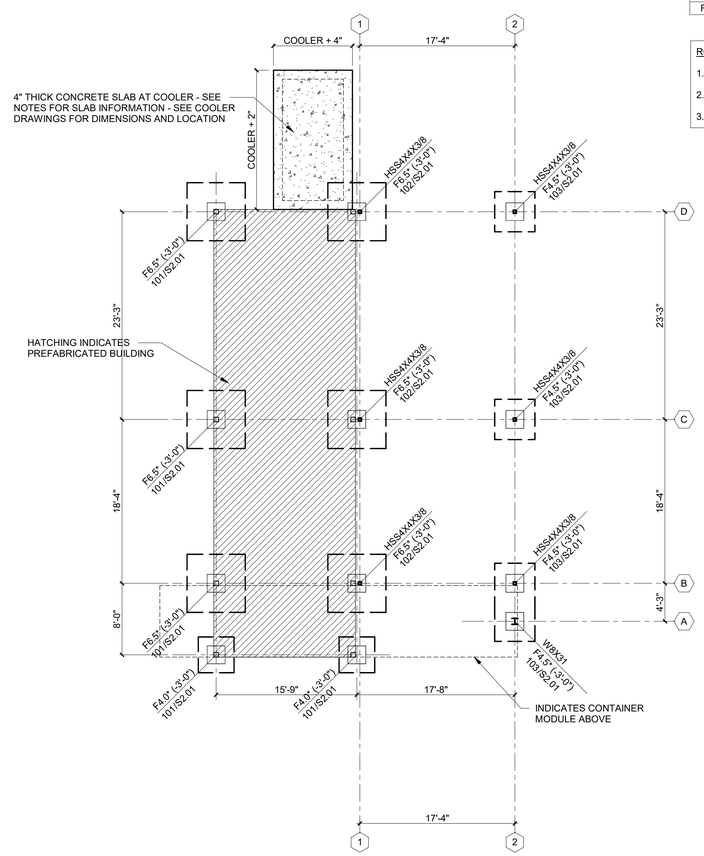
1. FLOOR SLAB SHALL BE 4" THICK CONCRETE REINFORCED WITH 6 x 6 W1.4 x W1.4 W.W.F. "CHAIRED" AT CENTER OF SLAB.
2. SIDEWALK SLAB SHALL BE 4" THICK CONCRETE REINFORCED WITH 6 x 6 W1.4 x W1.4 W.W.F. "CHAIRED" AT CENTER OF SLAB.
3. PROVIDE 4" THICK, GRANULAR BASE UNDER SLABS.
4. REFER TO ARCHITECTURAL AND CIVIL DRAWINGS FOR ANY SIDEWALK, PLANTER AND PAVER LOCATIONS AND DETAILS.
5. PROVIDE CONCRETE SLAB CONTROL JOINTS AS PER CONCRETE NOTES IN GENERAL NOTES.
6. CONDUITS AND PIPES EMBEDDED IN SLABS:
   - SHALL NOT BE LARGER IN OUTSIDE DIMENSION THAN ONE THIRD THE OVERALL THICKNESS OF THE SLAB.
   - THEY SHALL NOT BE SPACED CLOSER THAN THREE DIAMETERS OR WIDTHS ON CENTER.
   - A MINIMUM SLAB THICKNESS OF 2 1/2" MUST BE MAINTAINED OVER THE EMBEDDED ITEMS.

FOOTING SCHEDULE

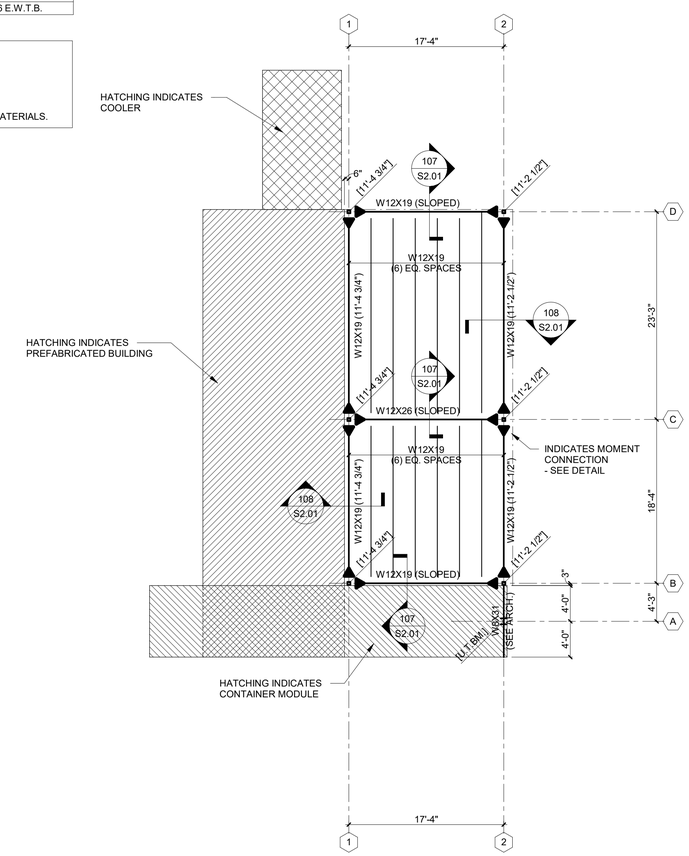
MARK	THICKNESS	LENGTH	WIDTH	REINFORCEMENT
F4.0"	2' - 0"	4' - 0"	4' - 0"	(5) #4 E.W.T.B.
F4.5"	2' - 0"	4' - 6"	4' - 6"	(4) #5 E.W.T.B.
F6.5"	2' - 0"	6' - 6"	6' - 6"	(6) #6 E.W.T.B.

ROOF FRAMING NOTES:

1. (X'-X") INDICATES TOP OF BEAM ELEVATION.
2. [X'-X"] INDICATES TOP OF COLUMN ELEVATION.
3. SEE ARCHITECTURAL DRAWINGS FOR ROOFING MATERIALS.



1 S1.01 CANOPY FOUNDATION PLAN AT BUILDING
1/8" = 1'-0"



3 S1.01 CANOPY ROOF FRAMING PLAN AT BUILDING
1/8" = 1'-0"

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FOUNDATION AND FRAMING PLANS

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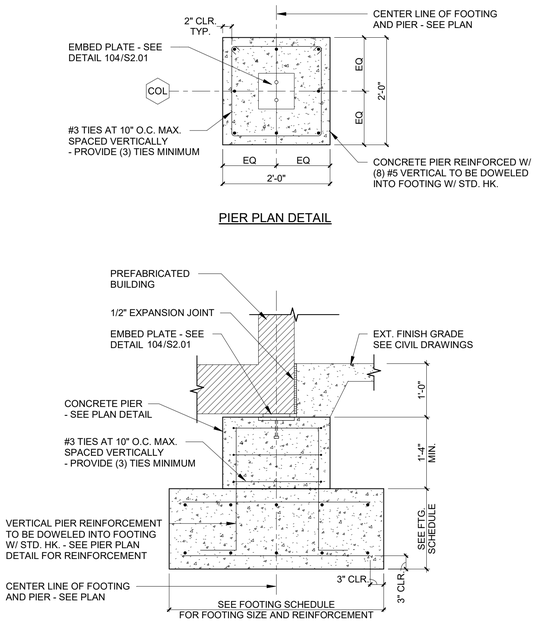
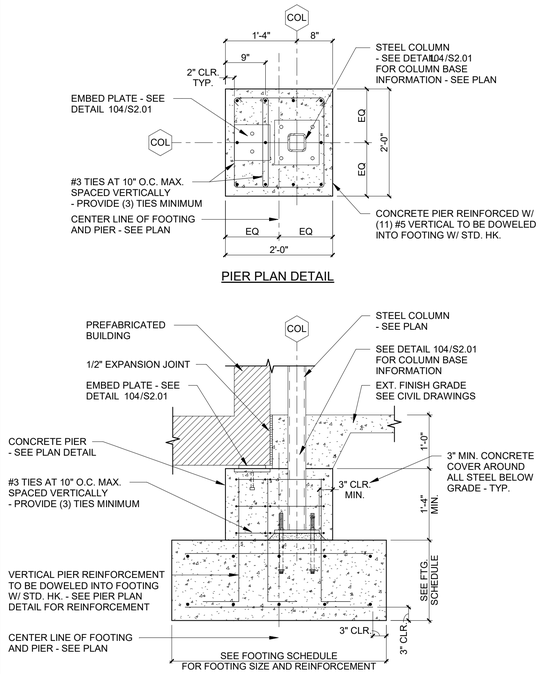
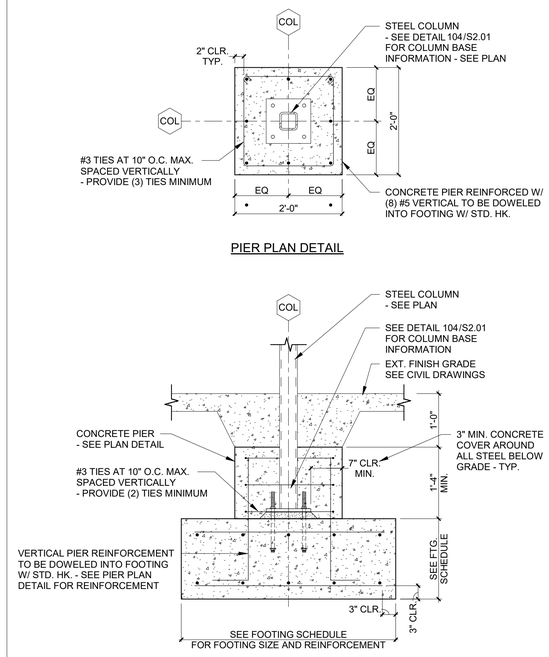


COLUMN PIER AND FOOTING DETAIL 101



COLUMN PIER AND FOOTING DETAIL 102



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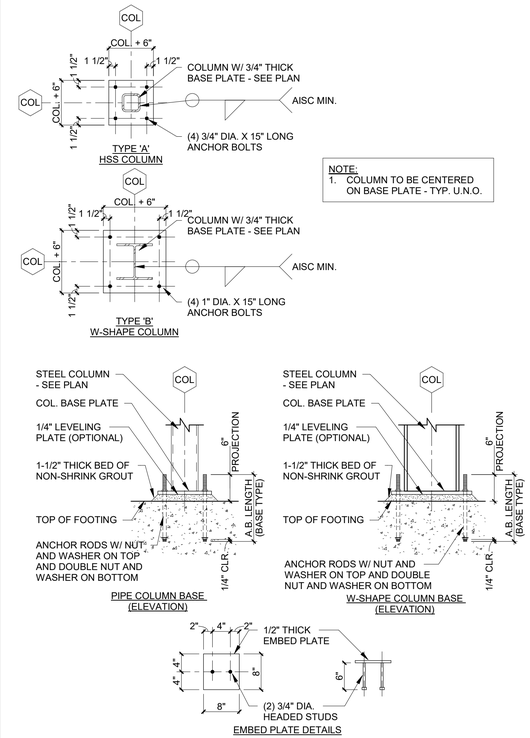
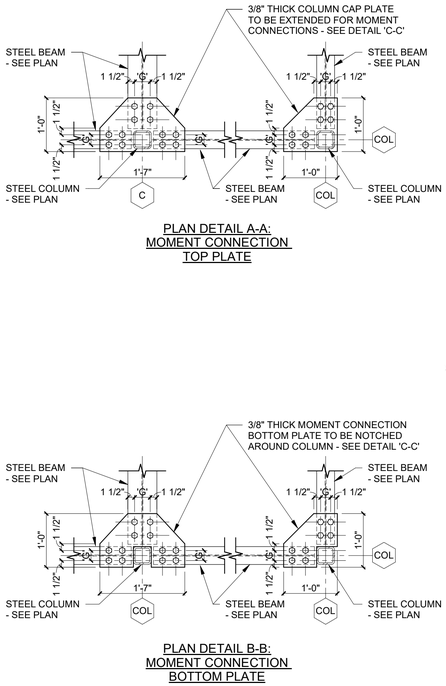
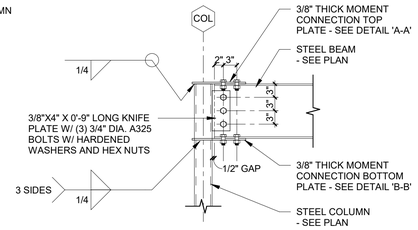
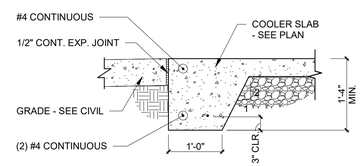


COLUMN BASE AND EMBED PLATE DETAILS 104

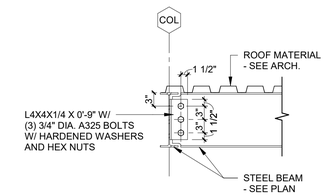




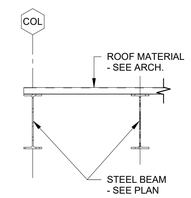
MOMENT CONNECTION DETAIL 105



EXTERIOR SLAB TURNDOWN 106



SECTION AT ROOF 107



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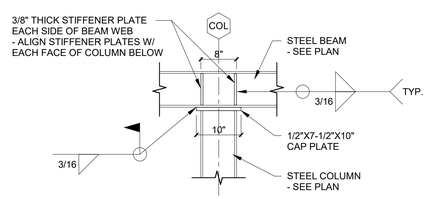

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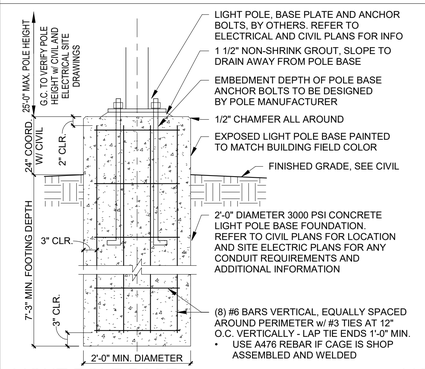

LIGHT POLE BASE 110

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SECTIONS AND DETAILS

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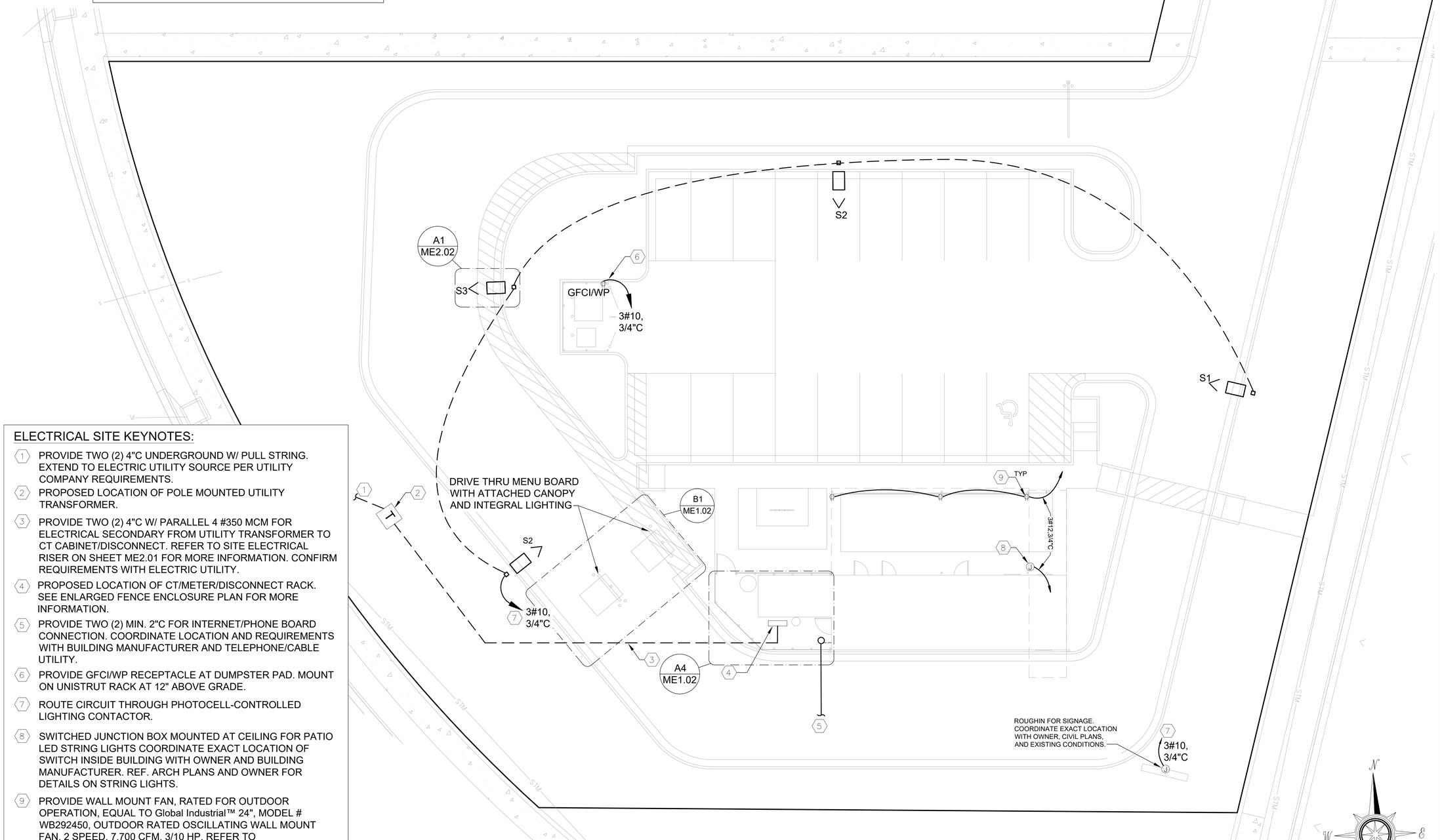
ELECTRICAL SERVICE ENTRANCE PROVISIONS MUST BE COORDINATED WITH THE ELECTRICAL UTILITY COMPANY PRIOR TO WORK OF ANY KIND TO DETERMINE THE EXACT ROUTING, EQUIPMENT LOCATIONS, AND UTILITY-SPECIFIC REQUIREMENTS. THESE PLANS HAVE NOT YET BEEN COORDINATED WITH THE UTILITY BUT SHOW REQUIRED CONDUIT/CONDUCTOR DETAILS.

DO NOT RUN 120V CIRCUITS IN THE SAME CONDUIT/POLE AS LOW VOLTAGE CABLES



ELECTRICAL SITE KEYNOTES:

1. PROVIDE TWO (2) 4"C UNDERGROUND W/ PULL STRING. EXTEND TO ELECTRIC UTILITY SOURCE PER UTILITY COMPANY REQUIREMENTS.
2. PROPOSED LOCATION OF POLE MOUNTED UTILITY TRANSFORMER.
3. PROVIDE TWO (2) 4"C W/ PARALLEL 4 #350 MCM FOR ELECTRICAL SECONDARY FROM UTILITY TRANSFORMER TO CT CABINET/DISCONNECT. REFER TO SITE ELECTRICAL RISER ON SHEET ME2.01 FOR MORE INFORMATION. CONFIRM REQUIREMENTS WITH ELECTRIC UTILITY.
4. PROPOSED LOCATION OF CT/METER/DISCONNECT RACK. SEE ENLARGED FENCE ENCLOSURE PLAN FOR MORE INFORMATION.
5. PROVIDE TWO (2) MIN. 2"C FOR INTERNET/PHONE BOARD CONNECTION. COORDINATE LOCATION AND REQUIREMENTS WITH BUILDING MANUFACTURER AND TELEPHONE/CABLE UTILITY.
6. PROVIDE GFCI/WP RECEPTACLE AT DUMPSTER PAD. MOUNT ON UNISTRUT RACK AT 12" ABOVE GRADE.
7. ROUTE CIRCUIT THROUGH PHOTOCELL-CONTROLLED LIGHTING CONTACTOR.
8. SWITCHED JUNCTION BOX MOUNTED AT CEILING FOR PATIO LED STRING LIGHTS COORDINATE EXACT LOCATION OF SWITCH INSIDE BUILDING WITH OWNER AND BUILDING MANUFACTURER. REF. ARCH PLANS AND OWNER FOR DETAILS ON STRING LIGHTS.
9. PROVIDE WALL MOUNT FAN, RATED FOR OUTDOOR OPERATION, EQUAL TO Global Industrial™ 24", MODEL # WB292450, OUTDOOR RATED OSCILLATING WALL MOUNT FAN, 2 SPEED, 7,700 CFM, 3/10 HP. REFER TO ARCHITECTURAL SITE PLANS FOR MOUNTING. CONNECT FANS TO CEILING-MOUNTED SWITCHED OUTLETS (ONE PER FAN) FOR FAN CONTROL. COORDINATE EXACT LOCATION OF SWITCH INSIDE BUILDING WITH OWNER AND BUILDING MANUFACTURER. ENSURE FAN CIRCUITS HAVE A GFCI BREAKER INSTALLED PER NEC.

A1 POWER PLAN

SCALE: 1"=10'-0"

0 5 10 15 20

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ELECTRICAL - SITE POWER PLAN

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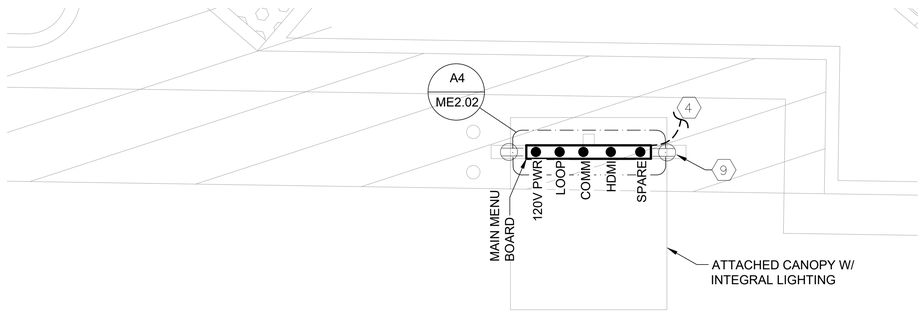
PROJECT NO: SS2507

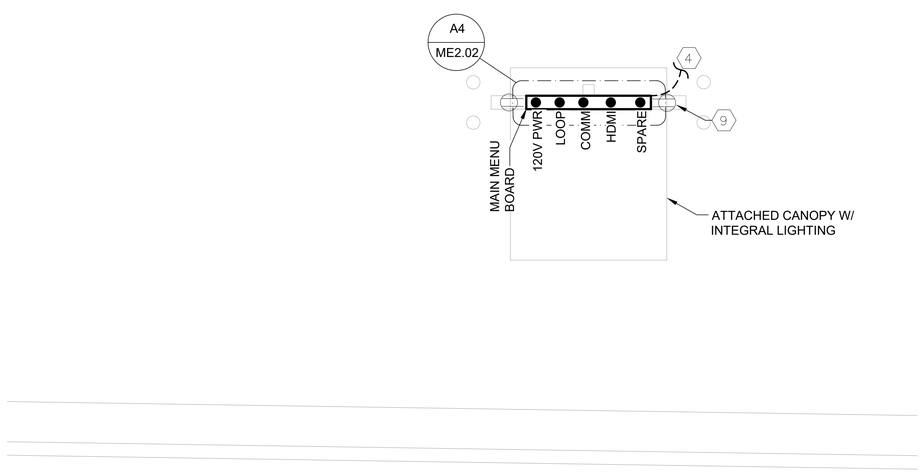
SHEET ME1.01

DATE 10.01.2025

ELECTRICAL SITE KEYNOTES (ENLARGED PLANS):

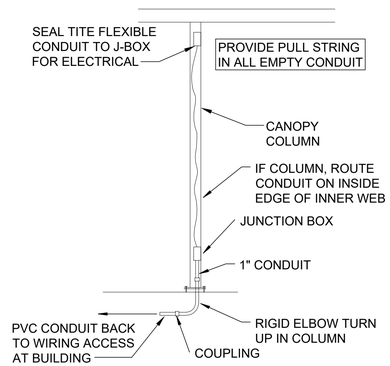
1. TWO (2) 4"C W/ PARALLEL 4 #350 MCM & #2 GND FOR BUILDING ELECTRICAL SERVICE ENTRANCE. COORDINATE WITH BUILDING MANUFACTURER FOR CONNECTION REQUIREMENTS.
2. LOCATION OF SITE WIRING ACCESS POINT FOR POWER AND DATA ENTRY. JUNCTION BOXES PROVIDED BY BUILDING MANUFACTURER. FIELD COORDINATE ALL SITE CIRCUITS AND LOW-VOLTAGE DATA CONNECTIONS THROUGH THESE JUNCTION BOXES.
3. POWER FOR CONDENSATE HEAT TAPE. CONFIRM ELECTRICAL REQUIREMENTS WITH COOLER MANUFACTURER.
4. PROVIDE CONDUITS W/ PULL STRINGS AT MAIN MENU BOARDS; REFER TO MENU BOARD CONDUIT SCHEMATIC ON SHEET ME2.02 FOR MORE INFORMATION. COORDINATE EXACT CONDUIT REQUIREMENTS WITH OWNER, VENDOR, AND SITE CONDITIONS.
5. NOT USED
6. NOT USED
7. NOT USED
8. NOT USED
9. PROVIDE DEDICATED 120V CIRCUIT FOR TWO RECEPTACLES LOCATED ON EITHER SIDE OF MENU BOARD PEDESTAL. PROVIDE WITH WEATHER PROOF COVERS.





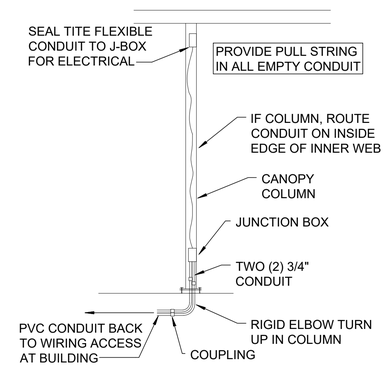
B1 SITE PLAN - CANOPY - ENLARGED VIEW

SCALE: 3/8" = 1'-0"



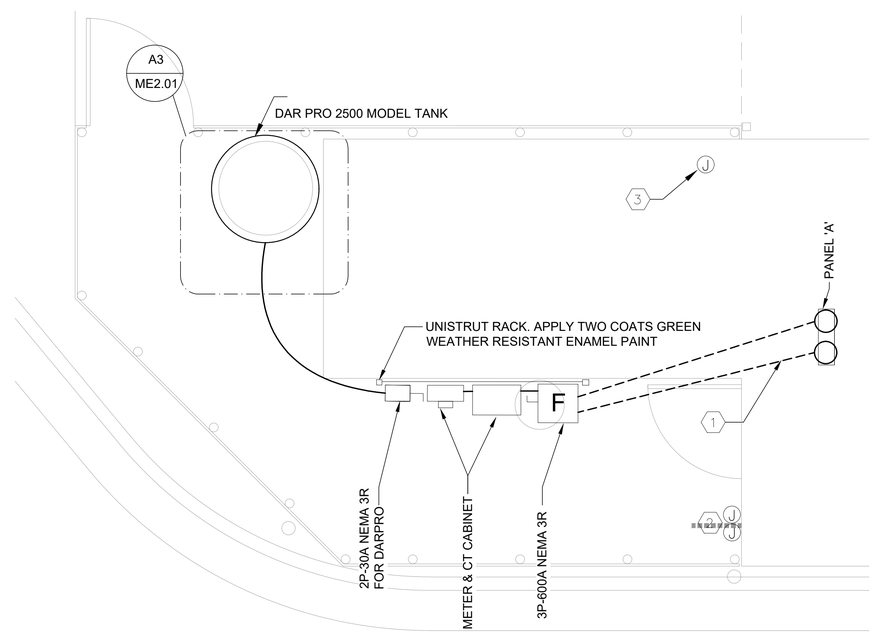
C4 CANOPY POLE SECTION - 120V

NOT TO SCALE



C5 CANOPY POLE SECTION - LOW VOLTAGE

NOT TO SCALE



A4 SITE PLAN - FENCED ENCLOSURE - ENLARGED VIEW

SCALE: 3/8" = 1'-0"

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SMALLS SLIDERS
210 SW OLDHAM PARKWAY
LEES SUMMIT, MO 64081

Kurzynske & Associates
CONSULTING ENGINEERS
2705 Lebanon Pike – Suite One
Nashville, Tennessee 37214
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SEALED:

STATE OF MISSOURI
MARK T. KURZYNSKE
2000153990
PROFESSIONAL ENGINEER
10/22/25

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SITE PLAN - ENLARGED VIEWS

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SHEET ME1.02

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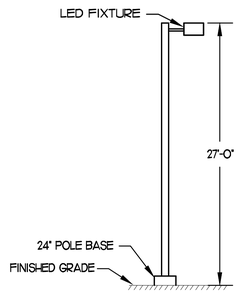


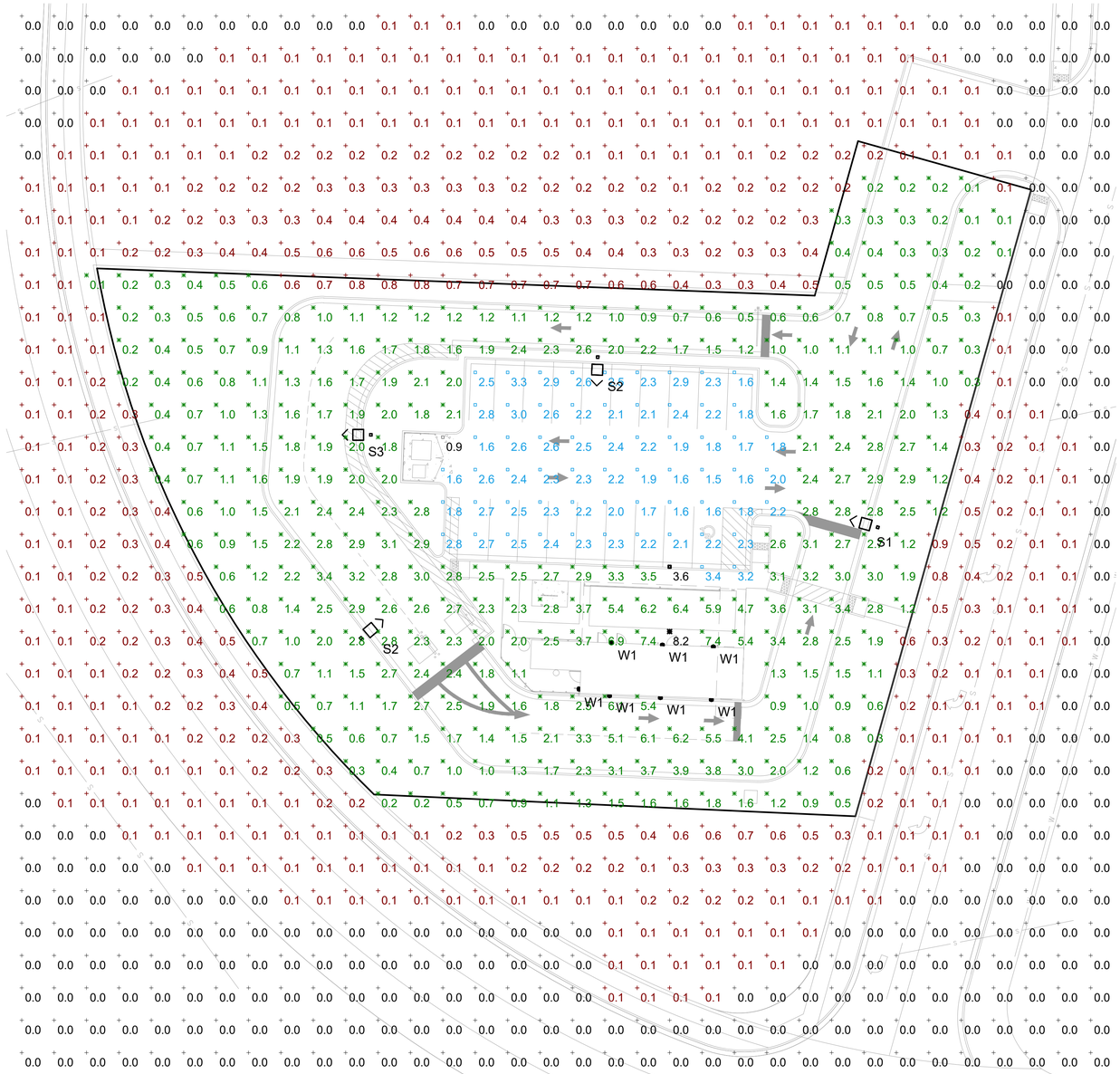
D1 SITE LIGHTING POLE DETAIL

NOT TO SCALE

Schedule								
Symbol	Label	Quantity	Manufacturer	Catalog Number	Number Lamps	Lumens Per Lamp	Light Loss Factor	Wattage
	S1	1	EATON - LUMARK (FORMER COOPER LIGHTING)	PRV-C40-D-UNV-T3-BZ MA1017	2	8575	0.95	131
	S2	2	EATON - LUMARK (FORMER COOPER LIGHTING)	PRV-C40-D-UNV-T4-BZ MA1017	2	8544	0.95	131
	S3	1	EATON - LUMARK (FORMER COOPER LIGHTING)	PRV-C40-D-UNV-T5-BZ MA1018	2	9130	0.95	131
	W1	7	RZ LIGHTING	WP10-30W	1	3900	0.95	30

S POLES SHALL BE 25' SQUARE STRAIGHT STEEL POLES BY KW INDUSTRIES: SSP25-4.0-7-BRZ-DM10/2180-BC.
MOUNT POLES ON A 2' CONCRETE POLE BASE. POLES AND LIGHTING FIXTURES TO HAVE A DARK BRONZE FINISH.

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Calc Zone	+	0.7 fc	8.2 fc	0.0 fc	N/A	N/A
Smalls Lot Summary	×	1.9 fc	8.2 fc	0.0 fc	N/A	N/A
Parking Lot Summary	□	2.3 fc	3.6 fc	0.9 fc	4.0:1	2.6:1



A3 PHOTOMETRIC PLAN

SCALE: 1"=20'-0"

0 10 20 30 40

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210 SW OLDHAM PARKWAY
LEES SUMMIT, MO 64081

Kurzynske & Associates
CONSULTING ENGINEERS
2705 Lebanon Pike – Suite One
Nashville, Tennessee 37214
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SITE PLAN - PHOTOMETRIC PLAN

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SHEET ME1.03

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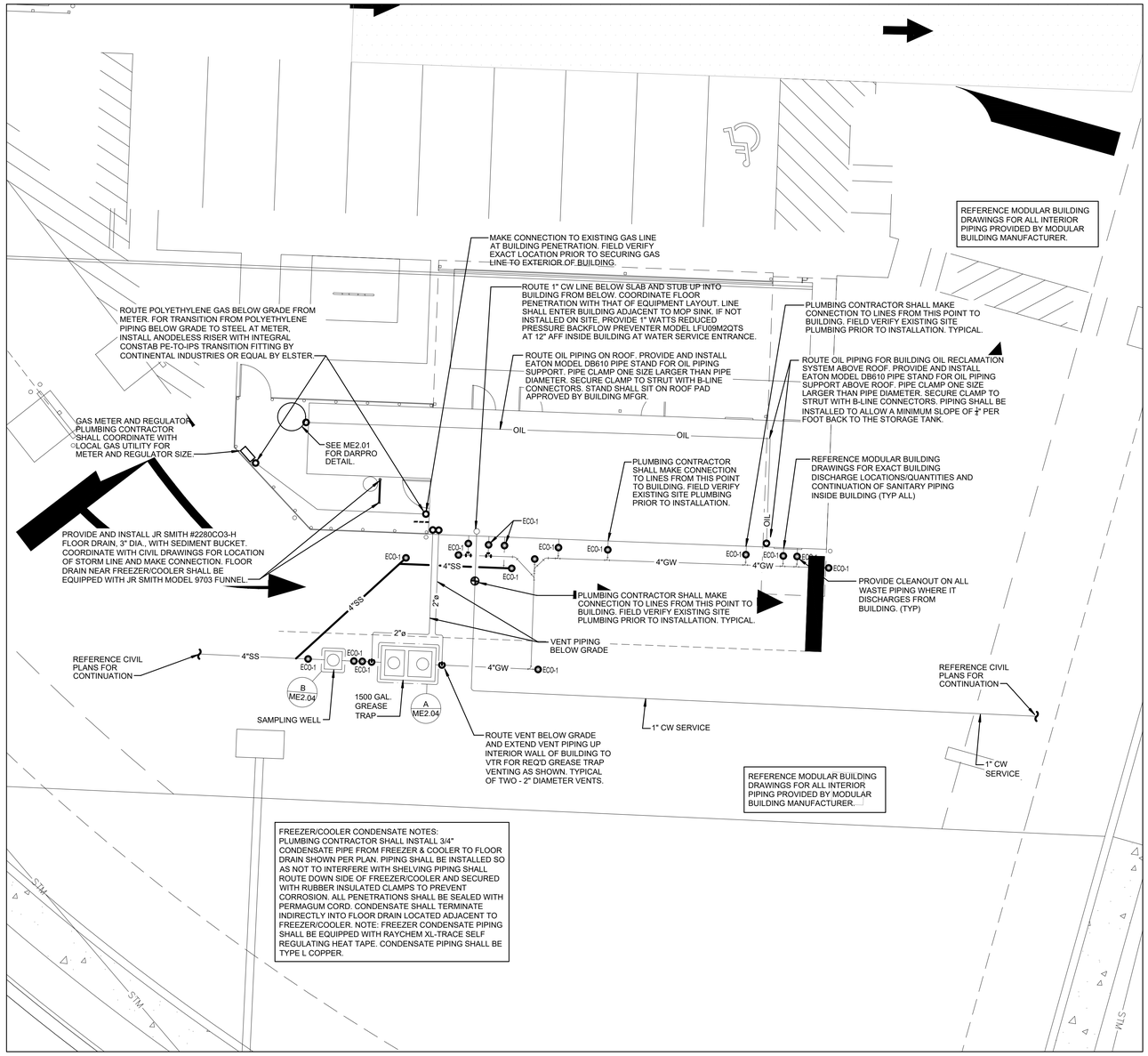

1 SITE PLAN - SANITARY
1" = 10'-0"

CLEANOUT SCHEDULE

MARK	WCO	FCO-1	ECO-1	ECO-2
MANUFACTURER	ZURN	ZURN	ZURN	ZURN
MODEL NUMBER	Z1466	ZN-1400	Z1400	Z-1400
APPLICATION	INTERIOR FINISHED WALLS	INTERIOR FINISHED FLOORS	EXTERIOR PAVED AREAS	EXTERIOR UNPAVED AREAS
CLEANOUT MATERIAL	BRONZE	CAST IRON	CAST IRON	CAST IRON
COVER/TOP MATERIAL	STAINLESS STEEL	POLISHED NICKEL BRONZE	CAST IRON	CAST IRON
PIPE CONNECTION SIZE	SEE PLANS	SEE PLANS	SEE PLANS	SEE PLANS
PIPE CONNECTION TYPE	THREADED PLUG	PUSH FITTING	NO HUB	PUSH FIT
SCHEDULE NOTES	1,3	1,3	1,2,3	1,3

SCHEDULE NOTES:
1. COORDINATE CLEAN OUT OPTIONS WITH FLOOR, WALL, OR GRADE CONSTRUCTION.
2. PROVIDE EXTRA HEAVY DUTY / NON-TILT TOP.
3. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS, INCLUDING WARRANTY.

2 CLEANOUT SCHEDULE

PLUMBING SPECIFICATIONS

PART I - PRODUCTS (C15100)
1.01 GENERAL REQUIREMENTS
A. THE FOLLOWING SPECIFICATIONS ARE THE MINIMUM REQUIREMENT. WHERE FEDERAL, STATE OR LOCAL REQUIREMENTS DIFFER FROM THIS SPECIFICATION, THE MORE RESTRICTIVE OF THE TWO SHALL BE FOLLOWED.

1.02 SCOPE
A. HOT AND COLD POTABLE WATER PIPING ABOVE SLAB SHALL BE TYPE 'L' HARD DRAWN COPPER OR FLOWGUARD GOLD CPVC AS MANUFACTURED BY NIBCO OR CHARLOTTE PIPE & FOUNDRY AND MEETING ASTM D-2846. FILTERED WATER PIPING SHALL BE FLOWGUARD GOLD CPVC. HOT AND COLD PIPING WITHIN WALLS BEHIND KITCHEN HOODS SHALL BE COPPER.

B. POTABLE WATER PIPING BELOW SLAB AND OUTSIDE BELOW GRADE SHALL BE TYPE "K" SOFT ANNEALED SEAMLESS. NO JOINTS SHALL BE ALLOWED BELOW SLAB. POTABLE WATER PIPING BELOW GRADE SHALL BE SLEEVED FOR ITS ENTIRE LENGTH WITH POLY SLEEVE AS MADE BY IPS WATER-TITE. ALL SLAB PENETRATIONS SHALL BE SLEEVED WITH POLY SLEEVE TO PROTECT PIPING FROM CORROSION BY CONCRETE.

C. COPPER PIPE FITTINGS SHALL BE WROUGHT COPPER SWEEP PATTERN FITTINGS SOLDERED USING 95-5 LEAD-FREE SOLDER MEETING ASTM B-32 OR BRAZED WITH SIL-FOS. SOLDER FLUXES SHALL MEET ASTM B-813 AND SHALL BE LEAD FREE. BRAZING FLUXES SHALL MEET AWS FB3-A OR FB3-C.

D. WATER PIPING DOWNSTREAM OF SOFT DRINK CARBONATORS SHALL BE PROVIDED AND INSTALLED BY LOCAL SOFT DRINK VENDOR.

E. CPVC FITTINGS FOR PIPING SHALL BE SOLVENT WELD TYPE MEETING ASTM D-2846 WITH CEMENTS MEETING ASTM F-493 AND PRIMER MEETING ASTM F-656. CURE TIME MUST COMPLY WITH MANUFACTURER'S RECOMMENDATIONS. FOR CPVC PIPING INSTALLATION, WALL STUBS AT FIXTURES AND EQUIPMENT SHALL BE COPPER AND SHALL BE SERIES 630-C. CPVC-TO-COPPER STUB OUT ELBOWS BY SIOUX CHIEF.

F. NIPPLES, ELBOWS, AND OTHER ACCESSORY FITTINGS REQUIRED TO COMPLETE ANY WATER PIPING CONNECTION SHALL BE BRASS OR OF SIMILAR TYPE METAL AS THE FITTING TO WHICH IT IS CONNECTED. GALVANIZED FITTINGS ARE PROHIBITED. (EXCEPTION: GALVANIZED HEAT TRAP WATER HEATER NIPPLES IF INTERNALLY PROTECTED WITH TEFLON OR POLYMER CORROSION-RESISTANT COATING.)

G. ALL HVAC CONDENSATE PIPING SHALL BE SCHEDULE 40 PVC DWV AS MANUFACTURED BY CHARLOTTE PIPE AND MEETING ASTM D-1784, D-1785 AND D-2665.

H. U.N.O., ALL SANITARY WASTE, VENT, STORM DRAINAGE PIPING AND FITTINGS INSIDE THE BUILDING, ABOVE AND BELOW GRADE, AND FOR ROOFTOP CONDENSATE, SHALL BE SOLID WALL SCHEDULE 40 PVC DWV AS MANUFACTURED BY CHARLOTTE PIPE AND MEETING ASTM D-2665 AND D-2949. FOAM CORE AND/OR CELLULAR CORE PVC PIPING SHALL NOT BE ALLOWED. PVC PIPING OUTSIDE THE BUILDING, BELOW GRADE, SHALL BE TYPE SDR-35 MEETING ASTM D-3034, U.N.O.

I. DWV PIPE AND FITTINGS WITHIN WALLS BEHIND KITCHEN HOODS SHALL BE SERVICE WEIGHT HUBLESS CAST IRON WITH SLEEVE, SHIELD, AND DRAWBAND JOINTS MEETING ASTM A-888 AND ASTM C-564.

J. PVC-DWV FITTINGS FOR PIPING SHALL BE SOLVENT WELD TYPE INSIDE AND UNDERSLAB MEETING ASTM D-2665, D-3311 AND F-198. CEMENTS SHALL MEET ASTM D-2564 AND PRIMER MEETING ASTM F-656. CURE TIME MUST COMPLY WITH MANUFACTURER'S RECOMMENDATIONS. EXTERIOR PIPING JOINTS SHALL BE NEOPRENE PUSH-ON TYPE.

K. PROVIDE 1" THICK PIPE INSULATION FOR ALL ABOVE SLAB HOT AND TEMPERED WATER PIPING. PROVIDE ½" THICK INSULATION FOR ALL ABOVE SLAB COLD WATER, FILTERED WATER, CONDENSATE PIPING, AND HORIZONTAL RAIN WATER CONDUCTORS INSIDE THE BUILDING. PIPING INSULATION SHALL BE KNAUF 1000F 25/50 FIBERGLASS PIPE COVERING, WHITE KRAFT PAPER VAPOR BARRIER (.02 PERMS) BONDED TO ALUMINUM FOIL AND REINFORCED WITH GLASS FIBERS. MAXIMUM THERMAL CONDUCTIVITY OF 0.23 AT 75F. LONGITUDINAL LAP SHALL BE SELF SEALING. INSULATION FOR WALK-IN COOLER/FREEZER CONDENSATE PIPING SHALL BE ARMACELL A/P ARMAFLEX WITH MINIMUM ½" WALL THICKNESS.

L. PIPE INSULATION AND COVERINGS SHALL HAVE A RATING OF NOT GREATER THAN 25 FLAME SPREAD, NO HIGHER THAN 50 SMOKE DEVELOPED, AND NO MORE THAN 50 FUEL CONTRIBUTED. THE ONLY EXCEPTION SHALL BE ARMAFLEX AP, WHEN SPECIFIED, WHICH SHALL NOT EXCEED 100 SMOKE DEVELOPED.

M. A PVC 25/50 PRE-FORMED COVER SHALL BE PROVIDED AT ALL INSULATED PIPING FITTINGS EQUAL TO PROTO PVC CORP LOSMOKE, 800-875-7768.

N. ALL NATURAL GAS PIPING SHALL BE SCHEDULE 40 BLACK STEEL MEETING ASTM A53 WITH SCREWED OR WELDED FITTINGS AND GASKET TYPE UNIONS AND FLANGES. FOR SCREWED PIPING, PIPING SHALL BE JOINED WITH BLACK 150 POUND MALLEABLE IRON SCREWED FITTINGS AS ALLOWED BY LOCAL AUTHORITY. CONTRACTOR SHALL VERIFY THE NEED FOR WELDED PIPING AS REQUIRED BY THE LOCAL GAS CODE AND/OR APPLICABLE LOCAL ORDINANCES AND AMENDMENTS. GAS PIPING SHALL BE PAINTED WITH A ZINC-BASED PRIMER WITH A COLOR TOP COAT SPECIFIED BY OWNER. WHERE TOP COAT IS NOT REQUIRED, TWO COATS OF ZINC BASE PRIMER SHALL BE USED. ALL FIELD JOINTS SHALL BE COATED WITH TWO COATS OF A ZINC BASED PRIMER. SLEEVE ALL WALL PENETRATIONS WITH SCHEDULE 40 PVC AND PROVIDE STAINLESS STEEL ESCUTCHEONS ON BOTH SIDES OF WALL PENETRATIONS.

O. EXPOSED SUPPORTS AND ATTACHMENTS SHALL BE STAINLESS STEEL, CHROME OR CHROME PLATED. GALVANIZED ATTACHMENTS WILL NOT BE ACCEPTED.

P. USE MATERIALS SPECIFIED ON THESE PLANS. SUBSTITUTIONS ARE ALLOWED ONLY IF SPECIFIED MATERIALS ARE UNAVAILABLE. PRODUCT SUBSTITUTIONS WILL NOT BE ACCEPTED WITHOUT PRIOR APPROVAL. ALL WATER PIPING, FITTINGS, FIXTURES AND ACCESSORIES SHALL BE CERTIFIED LEAD FREE AS DEFINED IN, AND PER THE INTENT OF, THE "REDUCTION IN LEAD IN DRINKING WATER ACT".

PART II -EXECUTION (C15100)

2.01 TRENCHING (C15100)

A. EXCAVATION, BACKFILLING, AND TRENCH WORK SHALL BE DONE IN ACCORDANCE WITH LATEST O.S.H.A. AND APPLICABLE SAFETY STANDARDS.

B. PROVIDE NECESSARY SHORING AND CLEANING TO KEEP TRENCHES IN GOOD WORKING CONDITION, INCLUDING PUMPING OUT WATER.

C. IN MOSTLY ROCK MATERIAL, TRENCHES SHALL BE EXCAVATED TO 6" BELOW THE ELEVATION OF THE BOTTOM OF THE PIPES. AFTER EXCAVATION, TRENCH SHALL THEN BE FILLED TO THE PROPER ELEVATION WITH CRUSHED LIMESTONE. GRAVEL SHALL BE REMOVED FROM UNDER PIPE BELLS SO THE PIPE RESTS FIRMLY ON THE TRENCH BOTTOM.

D. IN MOSTLY EARTH OR SAND MATERIAL, TRENCHES SHALL BE EXCAVATED TO 6" BELOW THE ELEVATION OF THE BOTTOM OF THE PIPES. AFTER EXCAVATION, TRENCH SHALL THEN BE FILLED TO THE PROPER ELEVATION WITH FINE SAND OR GRAVEL. TRENCH BOTTOM SHALL BE REMOVED AT PIPE BELLS SO THE PIPE RESTS FIRMLY ON THE TRENCH BOTTOM.

E. BACKFILLING AND TAMPING SHALL BE CAREFULLY DONE BY HAND SIMULTANEOUSLY ALONG BOTH SIDES OF THE PIPE USING ROCK FREE EARTH, CRUSHED STONE OR SAND UNTIL THE PIPE IS COVERED TO A DEPTH OF AT LEAST 12". BACKFILL SHALL BE ACCOMPLISHED IN SUCCESSIVE 6" LAYERS. THE REST OF THE FILL-UP TO THE TOPSOIL LAYER MAY BE GRAVEL OR ROCK FREE EARTH.

F. ACCEPTABLE SOIL MATERIALS FOR BACKFILL AND FILL SHALL BE FREE OF CLAY, ROCK OR GRAVEL LARGER THAN 2" IN ANY DIMENSION, DEBRIS, WASTE, FROZEN MATERIALS AND OTHER DELETERIOUS MATTER HAVING A PLASTICITY INDEX LESS THAN 30. BACKFILL SHALL BE ACCOMPLISHED IN LAYERS OF NOT MORE THAN 6" AND EACH LAYER SHALL BE COMPACTED. THE LAST 12" OF BACKFILL SHALL BE ROCK FREE TOPSOIL.

G. SURFACE SHALL BE RESTORED TO ITS ORIGINAL CONDITION.

2.02 INSTALLATION (C15100)

A. WATER PIPING IN EXTERIOR WALL SHALL BE INSTALLED ON THE HEATED SIDE OF WALL INSULATION.

B. EXPOSED HOT AND COLD WATER TRIM FITTINGS AND ACCESSORIES IN FINISHED AREAS SHALL BE CHROME FINISHED.

C. ACCEPTABLE METHODS OF PIPE SUPPORT WITHIN WALLS SHALL BE THE SUMNER SYSTEM, POSIFIX, STAKFIX, PIPEFIX, HOLDRITE OR CHANNEL.

D. PROVIDE J.R. SMITH OR APPROVED EQUAL SHOCK ABSORBERS #5005 THRU 5050 SIZE AS RECOMMENDED BY MANUFACTURER INSTALLED ON HOT AND COLD WATER BRANCH LINES CONTAINING SINGLE LEVER FAUCETS, FLUSH VALVES OR EQUIPMENT WITH QUICK CLOSING VALVES BETWEEN THE LAST TWO FIXTURES AS SHOWN ON THE CONTRACT DRAWINGS. SHOCK ABSORBERS SERVICING FIXTURES WITH FLUSH VALVES SHALL BE SECURELY ANCHORED IN THEIR VERTICAL POSITION.

E. SANITARY WASTE LINES SHALL BE UNIFORMLY GRADED TO ELEVATIONS SHOWN. IF NO ELEVATIONS ARE GIVEN, SEWERS SHALL BE PITCHED NOT LESS THAN 1/4" PER FOOT FOR ALL PIPING 2-1/2" IN DIAMETER AND SMALLER AND 1/8" PER FOOT FOR ALL PIPING 3" IN DIAMETER AND LARGER.

F. STORM PIPING SHALL BE SLOPED AT ¼" PER FT (2%) UNLESS NOTED OTHERWISE ON PLANS.

G. SUPPORT HORIZONTAL PIPING ACCORDING TO LOCAL PLUMBING CODE. HANGER RODS SHALL BE SIZED AS FOLLOWS:

NOMINAL PIPE SIZE (IN)	MINIMUM HANGER DIAMETER (IN)
1/2	3/8
3/4 TO 1-1/2	3/8
2 TO 2-1/2	3/8
3 TO 6	1/2

H. HANGERS FOR PIPING GREATER THAN 1" SHALL PASS OVER THE INSULATION. PROVIDE SADDLES FOR INSULATED PIPING.

I. INSULATION SHALL BE APPLIED WITH JOINTS TIGHTLY BUTTED. OPEN CRACKS, VOIDS AND DEPRESSIONS SHALL BE FILLED WITH HYDRAULIC SETTING CEMENT. LAPPING MATCHING THE FINISH SHALL BE PASTED NEATLY OVER JOINTS. FITTINGS AND VALVES SHALL BE INSULATED WITH THE SAME TYPE.

J. PROVIDE AND INSTALL A CUT-OFF VALVE, UNION AND FULL SIZE DIRT LEG AT CONNECTION TO EACH GAS-FIRED PIECE OF EQUIPMENT. INSTALL PIPING AT AND AROUND EQUIPMENT SO AS TO NO WAY OBSTRUCT EQUIPMENT ACCESS PANELS AND/OR ACCESS DOORS.

K. COORDINATE ABOVE-CEILING PIPING LOCATIONS AND ROUTING WITH HVAC CONTRACTOR AND M-SHEETS PRIOR TO INSTALLATION. ALL MAIN DUCT TRUNK LOCATIONS SHALL TAKE PRIORITY. PIPING MAY REQUIRE REMOVAL AND REINSTALLATION AT PLUMBING CONTRACTOR'S EXPENSE IF PIPING OBSTRUCTS THE M-SHEET DUCT LAYOUT AS SHOWN OR PREVENTS ACCESS TO GREASE DUCT CLEANOUT OPENINGS.

L. ALL GAS PIPING ABOVE ROOF SHALL BE CLEANED FREE OF RUST AND PAINTED WITH COAT OF ZINC RUST PRIMER AND ONE COAT OF ALUMINUM BASE PAINT. METER AND GAS RISER SHALL BE PRIMED AND PAINTED TO MATCH BUILDING. APPLY TWO COATS OF ASPHALTUM BASE PAINT TO PIPING BURIED UNDERGROUND.

2.03 TESTING (C15100)
A. POTABLE WATER PIPING SHALL BE PRESSURE TESTED IN ACCORDANCE WITH APPLICABLE CODE REQUIREMENTS AND MANUFACTURERS RECOMMENDATIONS.

B. THE POTABLE WATER SYSTEM SHALL BE FLUSHED OUT PROGRESSIVELY BY OPENING OUTLETS AND FLOWING WATER UNTIL IT RUNS CLEAR. AFTER PIPE CLEANING IS COMPLETED, THE STRAINERS SHALL BE REMOVED, CLEANED, AND REPLACED. THEN THE ENTIRE POTABLE WATER SYSTEM SHALL BE DISINFECTED IN ACCORDANCE WITH THE AUTHORITY HAVING JURISDICTION.

C. THE SANITARY WASTE SYSTEM SHALL BE FLUSHED OUT PROGRESSIVELY WITH FLOWING WATER UNTIL IT RUNS CLEAR.

D. THE ENTIRE SANITARY WASTE SYSTEM AND STORM DRAINAGE SYSTEM SHALL BE PRESSURE TESTED IN ACCORDANCE WITH APPLICABLE CODE REQUIREMENTS AND MANUFACTURERS RECOMMENDATIONS.

E. NATURAL GAS PIPING SHALL BE LEAK TESTED IN ACCORDANCE WITH APPLICABLE CODE REQUIREMENTS AND MANUFACTURERS RECOMMENDATIONS.

ME1.04 - SITE PLAN - SANITARY NOTES	
ME1	CONTRACTOR SHALL SURVEY EXISTING CONDITIONS PRIOR TO WORK OF ANY KIND. CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES INCLUDING, BUT NOT LIMITED TO, ELECTRICAL, SANITARY SEWER, GAS, DRAINS, COMMUNICATIONS, ETC AND PROTECT DURING ALL WORK. VERIFY EXISTING INVERT ELEVATIONS TO ENSURE NEEDED INVERT IS AVAILABLE FOR PLUMBING SYSTEM.
ME2	EXTEND 4" SANITARY SEWER LINE TO MAIN AND TIE IN. REFERENCE CIVIL PLANS FOR CONTINUATION.

MANUFACTURER	ZURN
MODEL NUMBER	ZN-415S-P
FLOORDRAIN MATERIAL	CAST IRON
TOP MATERIAL	NICKEL BRONZE
PIPE CONNECTION SIZE	3"
TRAP PRIMER CONNECTION SIZE	1/2" *
TRAP GUARD	PROSET TRAP GUARD
PIPE CONNECTION TYPE	NO HUB
TOP DIMENSION	5"X5"
SEDIMENT BUCKET	-
SCHEDULE NOTES	-

SCHEDULE NOTES:

1. " * " IF SPECIFIED. FLOORDRAIN WITH TRAP PRIMER SHALL BE TRAPPED AND PRIMED BY AN APPROVED TRAP PRIMER AND WATER SUPPLY. INSTALL TRAP PRIMERS PER CODE AND AT AN ELEVATION HIGHER THAN THE FLOOR DRAIN SERVED.
2. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS, INCLUDING WARRANTY.
3. FLOOR DRAIN TO BE INSTALLED IN REFUSE AREA ONLY IF REQUIRED BY LOCAL JURISDICTION.

ROUTE POLYETHYLENE GAS BELOW GRADE FROM METER. FOR TRANSITION FROM POLYETHYLENE PIPING BELOW GRADE TO STEEL AT METER, INSTALL ANODELESS RISER WITH INTEGRAL CONSTAB PE-TO-IPS TRANSITION FITTING BY CONTINENTAL INDUSTRIES OR EQUAL BY ELSTER.

3 FLOORDRAIN SCHEDULE

smalls SLIDERS

SMALLS SLIDERS
210 SW OLDHAM PARKWAY
LEES SUMMIT, MO 64081

Kurzynske & Associates
CONSULTING ENGINEERS
2705 Lebanon Pike – Suite One
Nashville, Tennessee 37214
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SITE PLAN - GREASE TRAP

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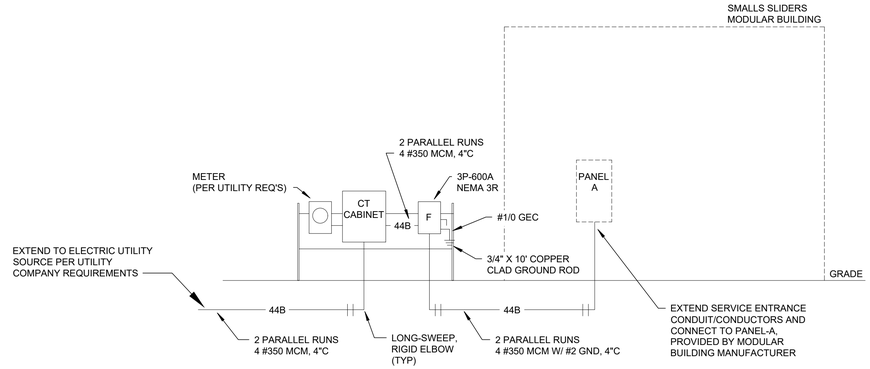
PROJECT NO: SS2507
SHEET ME1.04

DATE 10.01.2025

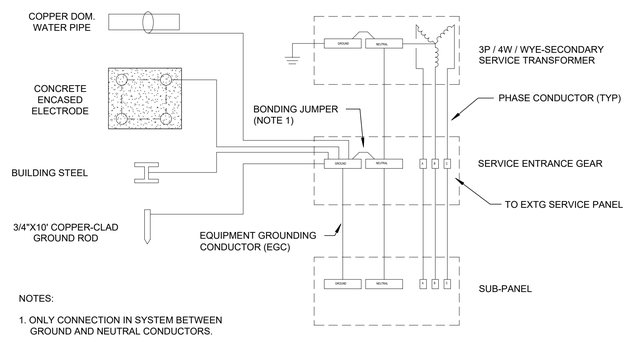


NOTES:

1. CONTRACTOR RESPONSIBLE TO COORDINATE ELECTRICAL SERVICE WITH ELECTRICAL UTILITY COMPANY.
2. ALL FEES REQUIRED BY UTILITY COMPANY TO PROVIDE SERVICE ARE THE RESPONSIBILITY OF THE CONTRACTOR.
3. INFORMATION SHOWN IS DIAGRAMMATIC AND IS NOT INTENDED TO REPRESENT PHYSICAL ARRANGEMENTS, LOCATIONS, ROUTING OR CONNECTIONS. PHYSICAL LAYOUTS ARE TO BE PER FIELD CONDITIONS AND AS INDICATED ELSEWHERE IN THE ELECTRICAL PLANS. COORDINATE ALL WORK WITH THE UTILITY COMPANY PRIOR TO BID OR WORK OF ANY KIND.
4. REFERENCE "CONDUIT AND CONDUCTORS SCHEDULE" (THIS SHEET) FOR FEEDER CIRCUIT SIZES.
5. FIELD MARK ELECTRICAL SERVICE EQUIPMENT WITH A CONSPICUOUS AND PERMANENT LABEL THAT INDICATES THE AVAILABLE FAULT CURRENT.
6. PROVIDE ARC-FLASH WARNING LABELS THAT COMPLY WITH NEC 2020 110.16(A) ON ELECTRICAL EQUIPMENT.

C2 ELECTRICAL RISER DIAGRAM

NOT TO SCALE

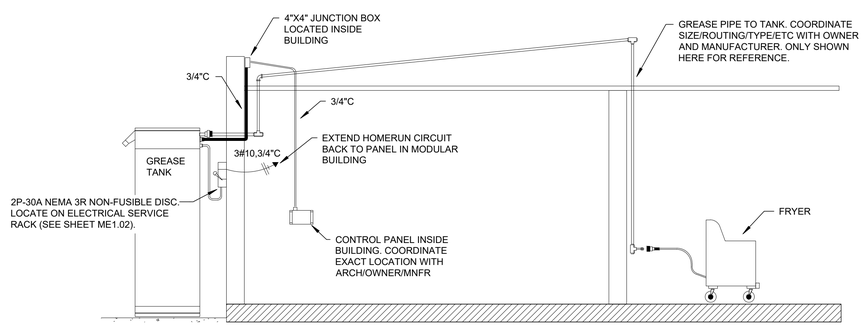


NOTES:

1. ONLY CONNECTION IN SYSTEM BETWEEN GROUND AND NEUTRAL CONDUCTORS.

B3 TYPICAL GROUNDING DETAIL

NOT TO SCALE



A3 DETAIL - DAR-PRO INSTALLATION

NOT TO SCALE

CONDUIT AND CONDUCTORS SCHEDULE

Mark	OCP Device	Conductors Total Ampacity		Conductors Phase & Neutral			Min Eq Grd		Raceway Size (nominal inches)							
									No.	Phase, Neutral & Equip Grd				With Isolated Ground		
No.	Amp/Poles	60d C	75d C	Qty	Size	Type	Qty	Size	Sets	EMT	IMC	RIGID	PVC	EMT	IMC	PVC
1	20/1	20	–	2	12	THHN	1	12	One	0.75	0.75	0.75	0.75	0.75	0.75	0.75
2	20/2	20	–	3	12	THHN	1	12	One	0.75	0.75	0.75	0.75	0.75	0.75	0.75
3	20/3	20	–	4	12	THHN	1	12	One	0.75	0.75	0.75	0.75	0.75	0.75	0.75
4	25/1	30	–	2	10	THHN	1	10	One	0.75	0.75	0.75	0.75	0.75	0.75	0.75
5	25/2	30	–	3	10	THHN	1	10	One	0.75	0.75	0.75	0.75	0.75	0.75	0.75
6	25/3	30	–	4	10	THHN	1	10	One	0.75	0.75	0.75	0.75	0.75	0.75	0.75
7	30/1	30	–	2	10	THHN	1	10	One	0.75	0.75	0.75	0.75	0.75	0.75	0.75
8	30/2	30	–	3	10	THHN	1	10	One	0.75	0.75	0.75	0.75	0.75	0.75	0.75
9	30/3	30	–	4	10	THHN	1	10	One	0.75	0.75	0.75	0.75	0.75	0.75	0.75
10	40/1	40	–	2	8	THHN	1	10	One	0.75	0.75	0.75	0.75	0.75	0.75	0.75
11	40/2	40	–	3	8	THHN	1	10	One	0.75	0.75	0.75	0.75	0.75	0.75	0.75
12	40/3	40	–	4	8	THHN	1	10	One	0.75	0.75	0.75	0.75	0.75	0.75	1.00
13	50/1	55	–	2	6	THHN	1	10	One	0.75	0.75	0.75	0.75	0.75	0.75	0.75
14	50/2	55	–	3	6	THHN	1	10	One	0.75	0.75	0.75	0.75	1.00	1.00	1.00
15	50/3	55	–	4	6	THHN	1	10	One	1.00	1.00	1.00	1.00	1.00	1.00	1.00
16	60/1	70	–	2	4	THW	1	8	One	1.00	1.00	1.00	1.00	1.25	1.00	1.25
17	60/2	70	–	3	4	THW	1	8	One	1.25	1.00	1.25	1.25	1.25	1.25	1.25
18	60/3	70	–	4	4	THW	1	8	One	1.25	1.25	1.25	1.25	1.25	1.25	1.25
19	70/1	70	–	2	4	THW	1	8	One	1.00	1.00	1.00	1.00	1.25	1.00	1.25
20	70/2	70	–	3	4	THW	1	8	One	1.25	1.00	1.25	1.25	1.25	1.25	1.25
21	70/3	70	–	4	4	THW	1	8	One	1.25	1.25	1.25	1.25	1.25	1.25	1.25
22	80/2	85	–	3	3	THW	1	8	One	1.25	1.25	1.25	1.25	1.25	1.25	1.25
23	80/3	85	–	4	3	THW	1	8	One	1.25	1.25	1.25	1.25	1.50	1.25	1.50
24	90/2	95	–	3	2	THW	1	8	One	1.25	1.25	1.25	1.25	1.50	1.25	1.50
25	90/3	95	–	4	2	THW	1	8	One	1.50	1.25	1.50	1.50	1.50	1.50	1.50
26	100/2	110	–	3	1	THW	1	6	One	1.50	1.50	1.50	1.50	2.00	2.00	2.00
27	100/3	110	–	4	1	THW	1	6	One	2.00	2.00	2.00	2.00	2.00	2.00	2.00
28	110/2	–	115	3	2	THW	1	6	One	1.25	1.25	1.25	1.25	1.50	1.25	1.50
29	110/3	–	115	4	2	THW	1	6	One	1.50	1.25	1.50	1.50	1.50	1.50	1.50
30	125/2	–	130	3	1	THW	1	6	One	1.50	1.50	1.50	1.50	2.00	2.00	2.00
31	125/3	–	130	4	1	THW	1	6	One	2.00	2.00	2.00	2.00	2.00	2.00	2.00
32	150/2	–	150	3	1/0	THW	1	6	One	2.00	1.50	2.00	2.00	2.00	2.00	2.00
33	150/3	–	150	4	1/0	THW	1	6	One	2.00	2.00	2.00	2.00	2.00	2.00	2.00
34	175/2	–	175	3	2/0	THW	1	6	One	2.00	2.00	2.00	2.00	2.00	2.00	2.00
35	175/3	–	175	4	2/0	THW	1	6	One	2.00	2.00	2.00	2.00	2.50	2.50	2.50
36	200/2	–	200	3	3/0	THW	1	6	One	2.00	2.00	2.00	2.00	2.50	2.50	2.50
37	200/3	–	200	4	3/0	THW	1	6	One	2.50	2.50	2.50	2.50	2.50	2.50	2.50
38	225/2	–	230	3	4/0	THW	1	4	One	2.50	2.00	2.50	2.50	2.50	2.50	2.50
39	225/3	–	230	4	4/0	THW	1	4	One	2.50	2.50	2.50	2.50	2.50	3.00	3.00
40	250/3	–	255	4	250	THW	1	4	One	2.50	3.00	3.00	3.00	3.00	3.00	3.00
41A	300/3	–	285	4	300	THW	1	4	One	3.00	3.00	3.00	3.00	3.00	3.00	3.00
41B	300/3	–	310	4	350	THW	1	4	One	3.00	3.00	3.00	3.00	3.00	3.00	3.00
42A	350/3	–	335	4	400	THW	1	4	One	3.00	3.50	3.50	3.50	3.50	3.50	3.50
42B	350/3	–	380	4	500	THW	1	4	One	3.50	3.50	3.50	3.50	3.50	3.50	3.50
43A	400/3	–	380	4	500	THW	1	3	One	3.50	3.50	3.50	3.50	3.50	3.50	3.50
43B	400/3	–	400	4	3/0	THW	2	3	Two	2.50	2.50	2.50	2.50	2.50	2.50	2.50
44A	600/3	–	570	4	300	THW	2	1	Two	3.00	3.00	3.00	3.00	3.00	3.00	3.00
44B	600/3	–	620	4	350	THW	2	1	Two	3.00	3.00	3.00	3.00	3.00	3.00	3.50
45A	800/3	–	760	4	500	THW	2	1/0	Two	3.50	3.50	3.50	3.50	3.50	3.50	3.50
45B	800/3	–	820	4	600	THW	2	1/0	Two	4.00	4.00	4.00	4.00	4.00	4.00	4.00
46	1000/3	–	1005	4	400	THW	3	2/0	Three	3.50	3.50	3.50	3.50	3.50	3.50	3.50
47	1200/3	–	1240	4	350	THW	4	3/0	Four	3.50	3.50	3.50	3.50	3.50	3.50	4.00
48	1600/3	–	1675	4	400	THW	5	4/0	Five	4.00	4.00	4.00	4.00	4.00	4.00	4.00

Notes:

Conductors are rated at 600 volt or below and are to be copper.

NEC Table 310.15(B)(16) – formerly Table 310.16 – is used for the basis of the conductor ampacities, which is not more than three current carrying conductors in a raceway at an ambient temperature of 30 deg C with 60 deg C rated conductors and connectors per 110.14–C–1 for up to 100 amp rated and up to #1 AWG conductors for equipment terminations and 75 deg C rated conductors and termination connectors for larger than 100 amp or above #1 AWG conductors.

NEC Tables 4, 5, and Appendix C is used for the basis of the conduit sizes. Table C1 for EMT, Table C4 for IMC, Table C8 for Rigid, and Table C10 for PVC (Sch 40).

All Branch Feeders and Branch Circuits shall include a green Equipment Grounding Conductor.

Omit Grounding conductor on Service Entrance Feeders.

Omit Neutral conductor on all Delta primary transformer feeders or 3 phase loads not requiring a neutral.

The above conductors are not calculated for Voltage Drop. Any circuits that exceed 100 feet shall be calculated by the Installer to have less than a three percent voltage drop on feeders and five percent on branch circuits per the NEC.

smalls SLIDERS

SMALLS SLIDERS
210 SW OLDHAM PARKWAY
LEES SUMMIT, MO 64081

Kurzynske & Associates
CONSULTING ENGINEERS
2705 Lebanon Pike – Suite One
Nashville, Tennessee 37214
Telephone: (615) 255–5203

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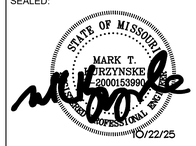

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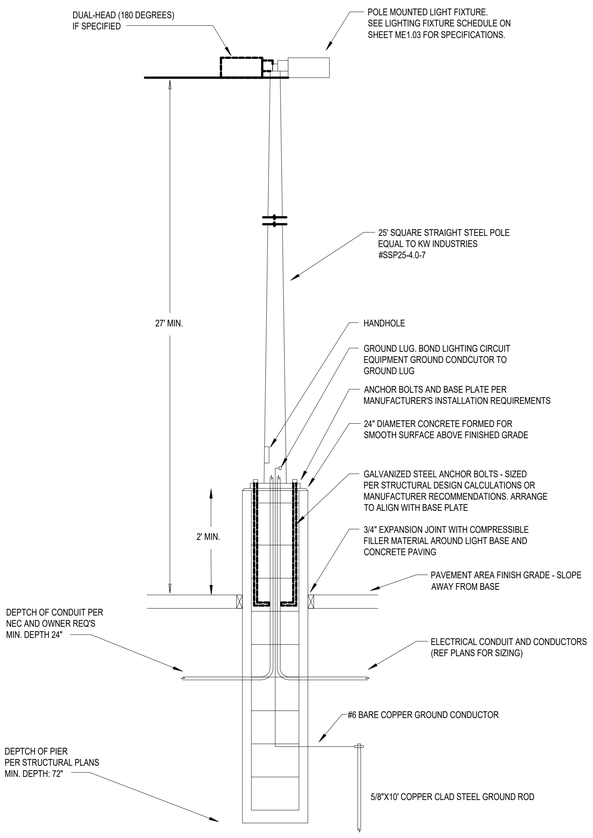
ELECTRICAL - SITE PLAN DETAILS

REVISIONS	
NO.	DATE
•	** ** **

PROJECT NO: SS2507

SHEET ME2.01

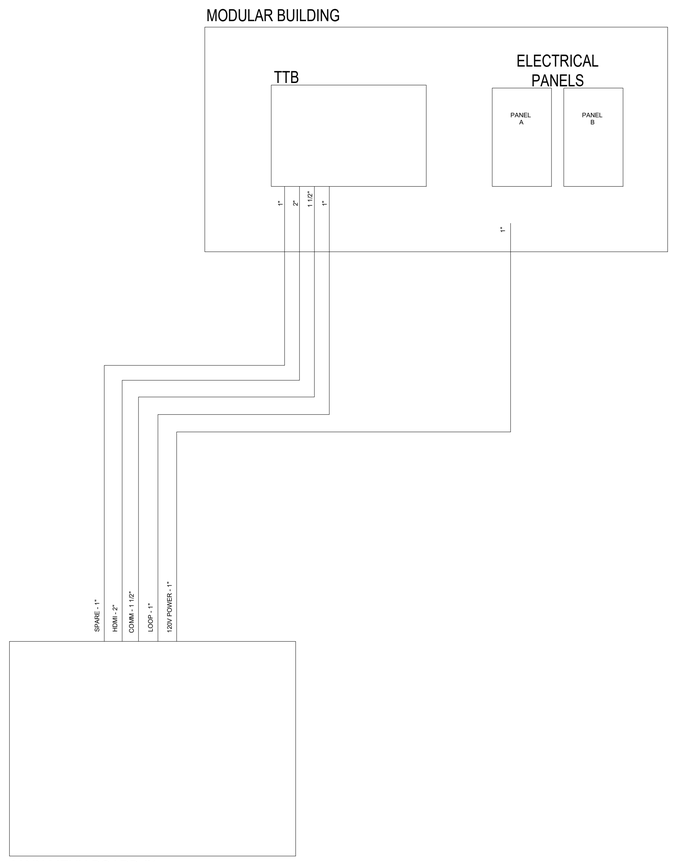
DATE 10.01.2025



(VERIFY THROUGH STRUCTURAL CALCULATIONS BASED ON EXISTING SOILS AND LIGHT POLE SPECIFIED.) DESIGN SHALL BE BY LICENSED CIVIL/STRUCTURAL ENGINEER IN THE STATE OF PROJECT LOCATION.

A1 SITE LIGHT POLE BASE DETAIL

NOT TO SCALE



NOTE: THIS CONDUIT DIAGRAM IS SCHEMATIC IN NATURE AND IS NOT INTENDED TO REPRESENT PHYSICAL ARRANGEMENTS OR LOCATIONS OF EQUIPMENT. IT IS INTENDED TO CONVEY THE "FROM/TO" DESIGNATIONS FOR CONDUIT ASSOCIATED WITH THE MENUBOARD (ONLY) AND TO SUPPLEMENT THE INFORMATION PROVIDED ON OTHER SHEETS. REFERENCE OTHER SHEETS FOR ADDITIONAL CONDUIT/CIRCUIT REQUIREMENTS NOT DEPICTED ON THIS SHEET.

A4 MENU BOARD CONDUIT SCHEMATIC

NOT TO SCALE

smalls SLIDERS

SMALLS SLIDERS
210 SW OLDHAM PARKWAY
LEES SUMMIT, MO 64081

Kurzynske & Associates
CONSULTING ENGINEERS
2705 Lebanon Pike – Suite One
Nashville, Tennessee 37214
Telephone: (615) 255-5203

SEALED:

STATE OF MISSOURI
MARK T. KURZYNSKE
2000153990
PROFESSIONAL ENGINEER
10/22/25

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ELECTRICAL - SITE DETAILS AND SCHEMATICS

REVISIONS	
NO.	DATE
*	** ** **

PROJECT NO: SS2507

SHEET ME2.02

DATE 10.01.2025

LED Full Cut-Off Wall Pack

Description:

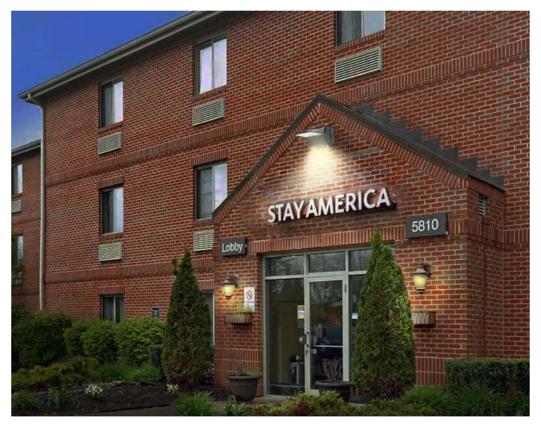
Light up your outdoor area with RZ's LED Full Cut-Off Wall Pack. It is a high efficient lighting solution that provides a long-lasting and energy-saving. The rugged housing offers advanced thermal management and protection against outdoor environments without compromising aesthetics.

Optional:

- ETL/cETL/DLC premium certificate.
- Easy installation.
- Wet location rated IP65.
- Durable die-cast aluminum housing.
- Photocell and motion sensor options.
- UV-resistant polycarbonate refractor lens.
- Emergency power 4W & operating time 1.5 hours.
- TypeII / TypeIII / TypeIV distribution optics standard

Applications:

Outdoor wall-mount applications: building facade, commercial, industrial, retail, hospitality buildings that demand long service life and low maintenance.



Web: www.rzledlighting.com | Tel: +86-755-27803791 | Add: 3rd Floor, Building 2, High-tech Zone, Fuyuan 1st Road, Fuyong Sub-district, Bao'an District, Shenzhen, China.

Parameters:

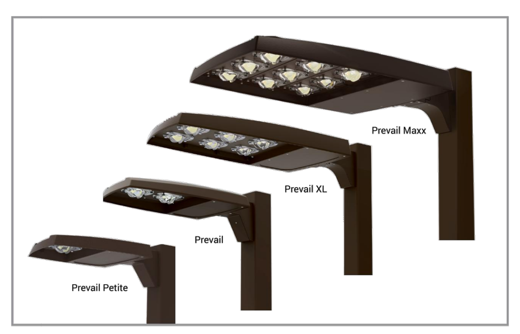
Model No.	WP10-30W	WP10-40W	WP10-50W	WP10-60W	WP10-80W	WP10-100W	WP10-120W
Input Power	30W	40W	50W	60W	80W	100W	120W
Lumen	3900lm	5200lm	6500lm	7800lm	10400lm	13000lm	15600lm
Efficacy	130LM/W (±10%)						
Input voltage	120-277VAC/120-347VAC						
Color Temperature	4000K/5000K/5700K						
THD	<20%						
Surge Protection	L-N: 2KV L/N-PE: 4KV						
LED Brand	Lumileds						
LED Type	3030						
LED QTY	48pcs	48pcs	64pcs	72pcs	96pcs	112pcs	140pcs
Viewing Angle	Type II / Type III / Type IV						
Operating Temperature	-22°F to 113°F (-30°C to +45°C)						
Operating Humidity	RH<90%						
Storage Temperature	-40°F to 158°F (-40°C to +70°C)						
Storage Humidity	RH<95%						
Color Rendering Index	Ra>70						
IP Rating	IP65						
Power Factor	≥0.90						
Frequency	50/60Hz						
Certification	cETL/ETL/DLC Premium						
Housing	Die-cast Aluminum						
Finish	Black/Bronze/Customized (Optional)						
Driver Brand	Weipeng						
Additional function	0-10V / 1-10V / Photocell/Microwave Motion Sensor /Power Adjustable / CCT Adjustable						
Life Time	L70 @ 50,000Hrs						
Warranty	5 Years						

Web: www.rzledlighting.com | Tel: +86-755-27803791 | Add: 3rd Floor, Building 2, High-tech Zone, Fuyuan 1st Road, Fuyong Sub-district, Bao'an District, Shenzhen, China.

CI LIGHT FIXTURE - WALL PACK "W"

NOT TO SCALE

Project		Catalog #		Type	
Prepared by		Notes		Date	



Lumark

Prevail LED

Area / Site Luminaire

Product Features

LumenSafe Technology, BAA, Light ARchitect™, FADC

Interactive Menu

- Ordering Information page 2
- Mounting Details page 3, 4
- Optical Configurations page 5
- Product Specifications page 5
- Energy and Performance Data page 6, 7
- Control Options page 8

Product Certifications

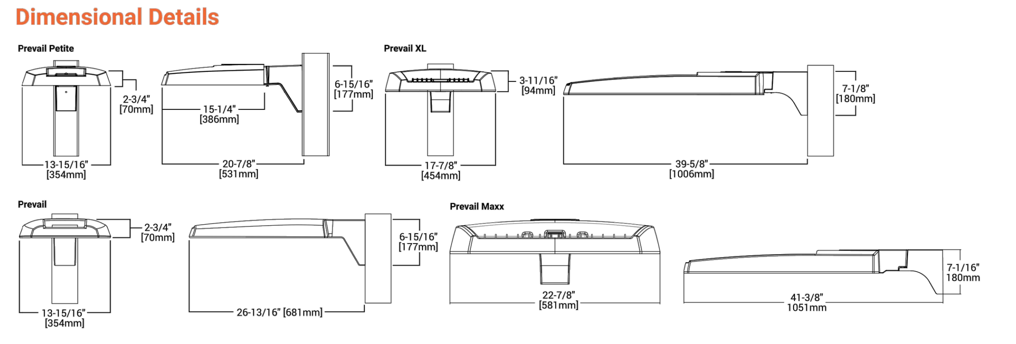
Quick Facts

- Lumen packages range from 4,800 - 84,000 lumens (35W - 588W)
- Replaces 70W up to 1,000W HID equivalents
- Efficacies up to 160 lumens per watt
- Energy and maintenance savings up to 85% versus HID solutions
- Standard universal quick mount arm with universal drill pattern

Connected Systems

- WaveLinx PRO Wireless
- WaveLinx LITE Wireless

Dimensional Details



NOTES:
1. Visit https://www.designlights.org/search/ to confirm qualification. Not all product variations are DLC qualified.
2. IDA Certified for 3000K CCT and warmer only.

AI LIGHT FIXTURE - SITE LIGHT "S"

NOT TO SCALE

Lumark — Prevail LED

Ordering Information

SAMPLE NUMBER: **PRV-XL-C75-D-UNV-T4-SA-BZ**

Product Family [1,2]	Light Engine [4]	Color Temperature	Driver	Voltage	Distribution	Mounting	Color
PRV-P=Prevail Petite **BAA-PRV-P**=Prevail Petite BAA Compliant [3] **TAA-PRV-P**=Prevail Petite TAA Compliant [3]	**C10**=(1 LED) 4,900 Nominal Lumens **C15**=(1 LED) 6,900 Nominal Lumens **C20**=(1 LED) 9,800 Nominal Lumens **C25**=(1 LED) 11,800 Nominal Lumens	**740**=70CRI, 4000K **727**=70CRI, 2700K **730**=70CRI, 3000K **750**=70CRI, 5000K **8540**=85CRI, 4000K	**D**=Dimming (0-10V)	**UNV**=Universal (120-277V) **H**=High Voltage, 347-480V **8**=480V [5] **9**=347V **DV**=DuraVolt (277-480V) [5,6]	**T2**=Type II **T3**=Type III **T4**=Type IV **T5**=Type V	**SA**=QM Standard Versatile Arm **MA**=QM Mast Arm **FMA**= Fixed Mast Arm [27] **WM**=QM Wall Mount Arm **ADJA-WM**=Adjustable Arm–Wall Mount [29] **ADJA**=Adjustable Arm–Pole Mount [29] **ADJS**=Adjustable Arm–Slipfitter, 3" vertical tenon [29] **SP2**=Adjustable Arm–Slipfitter, 2 3/8" vertical tenon [27, 29]	**BZ**=Bronze **AP**=Grey **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White
PRV=Prevail **BAA-PRV**=Prevail BAA Compliant [3] **TAA-PRV**=Prevail TAA Compliant [3]	**C15**=(1 LED) 7,100 Nominal Lumens **C25**=(2 LEDs) 13,100 Nominal Lumens **C40**=(2 LEDs) 17,100 Nominal Lumens **C60**=(2 LEDs) 20,000 Nominal Lumens						
PRV-XL=Prevail XL **BAA-PRV-XL**=Prevail XL BAA Compliant [3] **TAA-PRV-XL**=Prevail XL TAA Compliant [3]	**C75**=(4 LED) 26,100 Nominal Lumens **C100**=(4 LED) 31,000 Nominal Lumens **C125**=(4 LED) 36,000 Nominal Lumens **C150**=(6 LED) 41,100 Nominal Lumens **C175**=(6 LED) 48,600 Nominal Lumens						
PRV-M=Prevail Maxx **BAA-PRV-M**=Prevail Maxx BAA Compliant [3] **TAA-PRV-M**=Prevail MaxxTAA Compliant [3]	**C200**=(9 LED) 48,000 Nominal Lumens **C225**=(9 LED) 56,000 Nominal Lumens **C250**=(9 LED) 65,000 Nominal Lumens **C275**=(9 LED) 73,000 Nominal Lumens						

Options (Add as Suffix)

7030=70 CRI / 3000K CCT [7]
7050=70 CRI / 5000K CCT [7]
CC=Coastal Construction finish [10]
HSS=House Side Shield [8]
L90=Optics Rotated 90° Left
R90=Optics Rotated 90° Right
10K=10kV/10kA UL 1449 Fused Surge Protective Device
20MSP=20kV MOV Surge Protective Device
20K=20kV UL 1449 Fused Surge Protective Device
HA=50°C High Ambient Temperature [9]
PR=NEMA 3-PIN Twistlock Photocontrol Receptacle [11]
PR7=NEMA 7-PIN Twistlock Photocontrol Receptacle [11]
FADC=Field Adjustable Dimming Controller [30]
MS/DIM-L08=Dimming Motion and Daylight Sensor, IR Remote Programmable, < 8' Mounting Height [12, 13]
MS/DIM-L20=Dimming Motion and Daylight Sensor, IR Remote Programmable, 8' - 20' Mounting Height [12, 13]
MS/DIM-L40=Dimming Motion and Daylight Sensor, IR Remote Programmable, 21' - 40' Mounting [12, 13]
SPB1=Dimming Motion and Daylight Sensor, Bluetooth Programmable, < 8' Mounting Height [12, 14]
SPB2=Dimming Motion and Daylight Sensor, Bluetooth Programmable, 8' - 20' Mounting Height [12, 14]
SPB4=Dimming Motion and Daylight Sensor, Bluetooth Programmable, 21' - 40' Mounting Height [12, 14, 27, 28]
WPS2XX=WaveLinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting [12, 15, 16, 17]
WPS4XX=WaveLinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting [12, 15, 16, 17]
WLS2XX=WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting [12, 15, 16, 17]
WLS4XX=WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting [12, 15, 16, 17]
(See Table Below)=LumenSafe Integrated Network Security Camera [18, 19]

Accessories (Order Separately) [20, 21]

PRVSA-XX=Standard Arm Mounting Kit [22]
PRVMA-XX=Mast Arm Mounting Kit [22]
PRVWM-XX=Wall Mount Kit [22]
PRV-ADJA-XX=Adjustable Arm - Pole Mount Kit [22]
PRV-ADJS-XX=Adjustable Arm - Slipfitter Kit [22]
PRV-ADJA-WM-XX=Adjustable Arm - Wall Mount Kit [22]
PRVXLSA-XX=Standard Arm Mounting Kit [28]
PRVXLMA-XX=Mast Arm Mounting Kit [28]
PRVXLWM-XX=Wall Mount Kit [28]
PRV-XL-ADJA-XX=Adjustable Arm - Pole Mount Kit [28]
PRV-XL-ADJS-XX=Adjustable Arm - Slipfitter Kit [28]
PRV-XL-ADJA-WM-XX=Adjustable Arm - Wall Mount Kit [28]
PRV-M-ADJA-XX=Adjustable Arm - Pole Mount Kit [27]
PRV-M-ADJS-XX=Adjustable Arm - Slipfitter Kit [27]
PRV-M-ADJA-WM-XX=Adjustable Arm - Wall Mount Kit [27]
MA1010-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon
MA1011-XX=2@180° Tenon Adapter for 3-1/2" O.D. Tenon
MA1017-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon
MA1018-XX=2@180° Tenon Adapter for 2-3/8" O.D. Tenon
SRA238=Tenon Adapter from 3" to 2-3/8"
PRV/COB-FDV=Full Drop Visor [23]
PRVXL/COB-FDV=Full Drop Visor [18]
HS/VERD=House Side Shield Kit [8, 24]
VGS-F/B= Vertical Glare Shield Kit, Front/Back [24]
VGS-SIDE=Vertical Glare Shield Kit, Side [24]
OA/RA1013=Photocontrol Shorting Cap
OA/RA1014=NEMA Photocontrol - 120V
OA/RA1016=NEMA Photocontrol - Multi-Tap 105-285V
OA/RA1201=NEMA Photocontrol - 347V
OA/RA1027=NEMA Photocontrol - 480V
FSIR-100=Wireless Configuration Tool for Occupancy Sensor [25]
WOLC-7P-10A=WaveLinx Outdoor Control Module (7-PIN) [26]

NOTES:
1. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
2. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for alll applications. Refer to installation instructions IB500002EN and pole white paper WP513001EN for additional support information.
3. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
4. Standard 4000K CCT and 70CRI.
5. 480V not to be used with ungrounded or impedance grounded systems.
6. DuraVolt drivers feature added protection from power quality issues such as loss of neutral, transients and voltage fluctuations. Visit www.signify.com/duravolt for more information.
7. Use dedicated IES files on product website for non-standard CCTs.
8. House Side Shield not suitable with T5 distribution. Not available with PRV-C60 lumen package.
9. Not available with PRV-C60 lumen package. Not available with PRV-P-C25 lumen package.
10. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654.
11. If DuraVolt (DV) is specified, use a photocontrol that matches the input voltage used.
12. Controls system is not available in combination with a photocontrol receptacle (PR & PER7) or another controls system (MS or SPB). Option not available with DuraVolt (DV) voltage option.
13. Utilizes the Wattstopper sensor FSP-211. Sensor color white unless specified otherwise via PDR. To field-configure, order FSIR-100 accessory separately.
14. Utilizes the Wattstopper sensor FSP-3XX series. Sensor color determined by product finish. See Sensor Color Reference Table. Field-configures via mobile application. See Controls section for details.
15. Sensor passive infrared (PIR) may be overly sensitive when operating below -20°C (-4°F).
16. For the device to be field-configurable, requires WAC Gateway components WAC-PoE and WPOE-120 in appropriate quantities. Only compatible with WaveLinx system and software and requires system components to be installed for operation. See website for more Wavelinx application information.
17. Replace XX with sensor color (WH, BZ, or BK).
18. Only available in PRV-XL configurations C75, C100, C125, C150, or C175.
19. Not available with 347V, 480V, DV, or HA options. Consult LumenSafe system product pages for additional details and compatability information.
20. Replace XX with paint color.
21. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
22. Not for use with PRV-XL or PRV-M configurations.
23. Only for use with PRV. Not applicable to PRV-M, PRV-XL, or PRV-P.
24. Must order one per optic/LED when ordering as a field-installable accessory (1, 2, 4, 6 or 9).
25. This tool enables adjustment to Motion Sensor (MS) parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative for more information.
26. Requires 7-PIN NEMA twistlock photocontrol receptacle (PR & PER7) option. The WOLC-7 cannot be used in conjunction with other controls systems (MS or LWR). Operates on 120-347V input voltages.
27. Only for use with PRV-M configurations.
28. Only for use with PRV-XL configurations.
29. Fixed for PRV-M.
30. Cannot be used with PR7 or other motion response control options

LumenSafe Integrated Network Security Camera Technology Options (Add as Suffix)

Product Family	Camera Type	Data Backhaul
L=LumenSafe Technology	**H**=Dome Camera, High Res **Z**=Dome Camera, Remote PTZ	**C**=Cellular, Customer Installed SIM Card **A**=Cellular, Factory Installed AT&T SIM Card **V**=Cellular, Factory Installed Verizon SIM Card **S**=Cellular, Factory Installed Sprint SIM Card **E**=Ethernet Networking

Stock Ordering Information

Product Family [1]	Light Engine	Voltage	Distribution
PRVS=Prevail	**C15**=(1 LED) 7,100 Nominal Lumens **C25**=(2 LEDs) 13,100 Nominal Lumens **C40**=(2 LEDs) 17,100 Nominal Lumens **C60**=(2 LEDs) 20,000 Nominal Lumens	**UNV**=Universal (120-277V) **347**=347V [2]	**T3**=Type III **T4**=Type IV
PRVS-XL=Prevail XL	**C75**=(4 LED) 26,100 Nominal Lumens **C100**=(4 LED) 31,000 Nominal Lumens **C125**=(4 LED) 36,000 Nominal Lumens **C150**=(6 LED) 41,100 Nominal Lumens **C175**=(6 LED) 48,600 Nominal Lumens		

NOTES:
1. All stock configurations are standard 4000K/70CRI, bronze finish, and include the standard versatile mounting arm.
2. Only available in PRVS configurations C15, C25, C40 or C60.

Lumark — Prevail LED

Energy and Performance Data

View PRV-P IES files | View PRV IES files | View PRV-XL IES files

Power and Lumens

Product Family		Prevail Petite				Prevail				Prevail XL					Prevail Maxx			
Light Engine		C10	C15	C20	C25	C15	C25	C40	C60	C75	C100	C125	C150	C175	C200	C225	C250	C275
Power (Watts)		35	49	73	94	52	96	131	153	176	217	264	285	346	346	418	487	588
Input Current @ 120V (A)		0.29	0.41	0.61	0.79	0.43	0.80	1.09	1.32	1.50	1.84	2.21	2.38	2.92	2.89	3.49	4.06	4.90
Input Current @ 277V (A)		0.13	0.18	0.27	0.35	0.19	0.35	0.48	0.57	0.66	0.82	0.97	1.04	1.25	1.26	1.51	1.72	2.06
Input Current @ 347V (A)		0.11	0.16	0.23	0.29	0.17	0.30	0.41	0.48	0.54	0.66	0.79	0.84	1.02	1.00	1.21	1.40	1.70
Input Current @ 480V (A)		0.08	0.12	0.17	0.22	0.12	0.22	0.30	0.35	0.40	0.48	0.57	0.62	0.74	0.73	0.88	1.00	1.21
Distribution [1]																		
Type II	4000K Lumens	4,775	6,717	9,542	11,521	7,123	13,205	17,172	20,083	26,263	31,231	36,503	41,349	48,876	50,349	59,444	68,447	79,322
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B5-U0-G5
	Lumens per Watt	138	137	131	122	137	138	131	131	149	144	138	145	141	146	142	141	135
	3000K Lumens [1]	4,869	6,595	9,369	11,312	6,994	12,965	16,860	19,718	25,786	30,664	35,840	40,598	47,989	49,437	58,368	67,208	77,886
Type III	4000K Lumens	4,782	6,727	9,556	11,538	7,111	13,183	17,144	20,050	26,120	31,061	36,304	41,124	48,610	50,162	59,223	68,193	79,027
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B1-U0-G2	B2-U0-G2	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	138	137	131	123	137	137	131	131	148	143	138	144	140	145	142	140	135
	3000K Lumens [1]	4,695	6,605	9,383	11,329	6,982	12,944	16,832	19,686	25,646	30,497	35,645	40,377	47,727	49,254	58,151	66,958	77,596
Type IV	4000K Lumens	4,880	6,865	9,752	11,774	7,088	13,140	17,087	19,984	26,098	31,035	36,274	41,089	48,569	50,575	59,711	68,754	79,678
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B5-U0-G5
	Lumens per Watt	141	140	134	125	136	137	130	131	148	143	137	144	140	146	143	141	136
	3000K Lumens [1]	4,792	6,740	9,575	11,561	6,959	12,901	16,777	19,621	25,624	30,471	35,615	40,343	47,687	49,659	58,630	67,510	78,235
Type V	4000K Lumens	5,067	7,128	10,126	12,226	7,576	14,045	18,264	21,360	28,129	33,450	39,097	44,287	52,349	53,531	63,201	72,773	84,335
	BUG Rating	B3-U0-G2	B3-U0-G2	B4-U0-G3	B4-U0-G3	B3-U0-G3	B4-U0-G3	B4-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	146	145	139	130	146	146	139	140	160	154	148	155	151	155	151	150	144
	3000K Lumens [1]	4,975	6,999	9,942	12,004	7,438	13,790	17,932	20,972	27,618	32,843	38,387	43,483	51,398	52,562	62,057	71,455	82,808

NOTES:
1. For 3000K, 5000K or HSS data, refer to published IES files.

Lumen Maintenance

Configuration	TM-21 Lumen Maintenance (50,000 Hours)	Theoretical L70 (Hours)
Prevail and Prevail Petite at 25°C	91.30%	> 194,000
Prevail and Prevail Petite at 40°C	87.59%	> 134,000
Prevail XL at 25°C	91.40%	> 204,000
Prevail XL at 40°C	89.41%	> 158,000
Prevail Maxx at 25°C	91.40%	> 204,000
Prevail Maxx at 40°C	89.41%	> 158,000

Lumen Multiplier

Ambient Temperature	Lumen Multiplier
10°C	1.02
15°C	1.01
25°C	1.00
40°C	0.99

Sensor Color Reference Table (SPBx)

Housing Finish	Sensor Color
AP=Grey	Grey
BZ=Bronze	Bronze
BK=Black	Black
DP=Dark Platinum	Grey
GM=Graphite Metallic	Black
WH=White	White

FADC Settings

FADC Position	Lumen Multiplier
1	25%
2	46%
3	55%
4	62%
5	72%
6	77%
7	82%
8	85%
9	90%
10	100%

Note: +/-5% typical value

SMALLS SLIDERS
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LIGHTING FIXTURE CUTSHEETS

REVISIONS	
NO.	DATE
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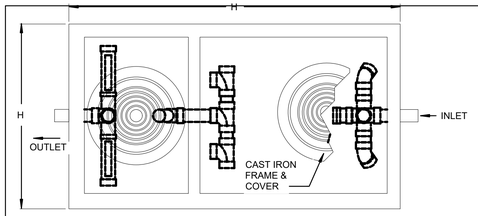
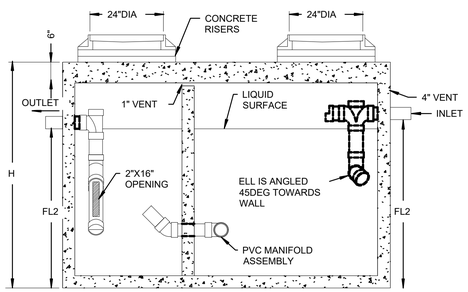
PROJECT NO: SS2507

SHEET ME2.03

DATE 10.01.2025



MODEL NO.	CAP. (GAL)	GREASE CAP. (LBS)	EMPTY WT (LBS)	LENGTH L	WIDTH L	HEIGHT H	INLET FL1	INLET FL2
GT-500	500	1,180	11,300	9'	5'	4' 8"	3' 2"	2' 10"
GT-750	750	1,530	12,000	9'	5'	5' 1"	3' 7"	3' 4"
GT-1000	1000	2,360	13,600	9'	5'	6' 1"	4' 7"	4' 4"
GT-1500	1500	3,500	17,300	10'	6'	6' 9"	5' 1"	4' 10"
GT-2000	2000	4,600	21,500	13'	7'	5' 7"	4' 2"	3' 11"
GT-2500	2500	6,000	24,700	13'	7'	7'	5' 7"	5' 3"
GT-3000	3000	9,000	26,900	13'	7'	7' 10"	6' 5"	6' 1"
GT-3500	3500	10,400	29,600	13'	7'	9'	7' 6"	7' 2"
GT-4000	4000	11,000	40,600	16'	8' 6"	7'	5' 6"	5' 3"
GT-4500	4500	11,500	41,300	16'	8' 6"	7' 6"	6' 1"	5' 10"
GT-5000	5000	13,225	44,000	16'	8' 6"	8'	6' 7"	6' 4"
GT-6000	6000	16,000	47,300	16'	8' 6"	9'	7' 8"	7' 5"



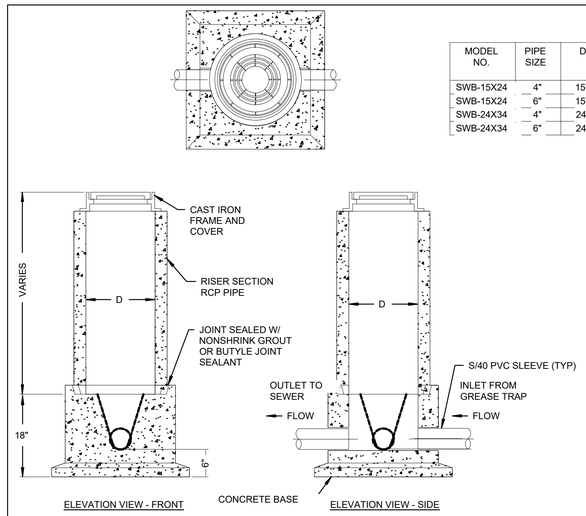
NOTES:

1. CONCRETE IS CLASS II WITH A DESIGN STRENGTH OF 5000 PSI AT 28 DAYS. BASE AND TOP ARE OF MONOLITHIC CONSTRUCTION. JOINTS SEALED WITH BUTYL JOINT SEALANT.
2. REINFORCEMENT IS GRADE 60 STEEL REBAR CONFORMING TO ASTM A615 ON REQUIRED CENTERS OR EQUAL.
3. MANHOLE FRAMES, COVERS OR GRATES ARE MANUFACTURER OF A48-30 CAST IRON. MANHOLE SHALL BE NOMINAL 24 INCH DIAMETER UNLESS SPECIFIED AND RATED FOR HS-20 LOADING.

NOTES:

1. THE INTERCEPTOR (PARK MODEL GT-1) WILL BE DESIGNED,CONSTRUCTED, AND INSTALLED FOR ADEQUATE LOAD BEARING CAPACITY. THE INTERCEPTOR WILL BE INSTALLED OUTSIDE THE BUILDING. IF LOCATED IN A TRAFFIC AREA, INDICATE THAT THE INTERCEPTOR AND ITS COVERS WILL BE TRAFFIC RATED. INTERCEPTOR DESIGN SHALL BE EQUIVALENT TO PARK EQUIPMENT COMPANY.
2. THE INTERCEPTCOR MANHOLE COVERS, LIDS, RINGS, ETC. SHALL BE SEALED FROM INFLOW AND INFILTRATION, AT LEAST 24" IN DIAMETER, MEET OR EXCEED AASHTO STANDARD M-306 FOR LOAD BEARING, AND EQUIVALENT TO AN EAST JORDAN IRONWORKS V-1432 OR A SIGMA FOUNDRY MH1675.
3. BRICKS, STONES, OR ANY OTHER UNAPPROVED DEVICE WILL NOT BE USED TO BRING MANHOLE OPENINGS OR COVERS TO GRADE. RISERS OR OTHER COMPONENTS SHALL NOT IMPEDE THE MANHOLE OPENINGS. MANHOLE OPENINGS SHALL BE SEALED FROM INFLOW AND INFILTRATION.
4. THE SAMPLE WELL DESIGN SHALL BE EQUIVALENT TO A PARK EQUIPMENT CO. SWB-1, PW EAGLE WAC-15 OR CSC-15, OR SCHIER FOGLIFTER. SAMPLE WELLS MUST HAVE A MINIMUM DIAMETER OF 15" AND BE INSTALLED OUTSIDE THE BUILDING. ALL COVERS, LIDS, RINGS, ETC. SHALL BE SEALED FROM INFLOW AND INFILTRATION AND SHALL NOT HAVE HOLES THROUGH THEM. THE SAMPLE WELL MUST BE PLUMBED TO CAPTURE ALL DISCHAGERS FROM THE FACILITY (INCLUDING BOTH DOMESTIC AND GREASE WASTE.)
5. THE SECURING DEVICE WILL CONSIST OF A VALVE BOX TOP SECTION, WITH AN EYE BOLT MOUNTED IN CONCRETE. THE DEVICE CONSTRUCTION MUST BE EQUIVALENT TO BASS & HAYS 340-1. THE SECURING DEVICE SHALL BE LOCATED WITHIN TWO FEET OF THE SAMPLE WELL.

DETAIL - GREASE INTERCEPTOR TOP AND SIDE VIEW
(A)

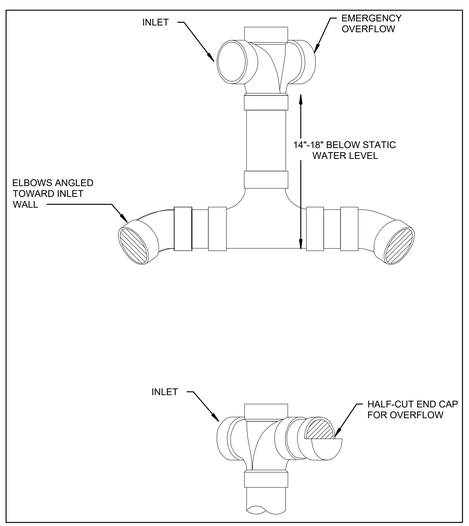


MODEL NO.	PIPE SIZE	D	W
SWB-15X24	4"	15"	24"
SWB-15X24	6"	15"	24"
SWB-24X34	4"	24"	34"
SWB-24X34	6"	24"	34"

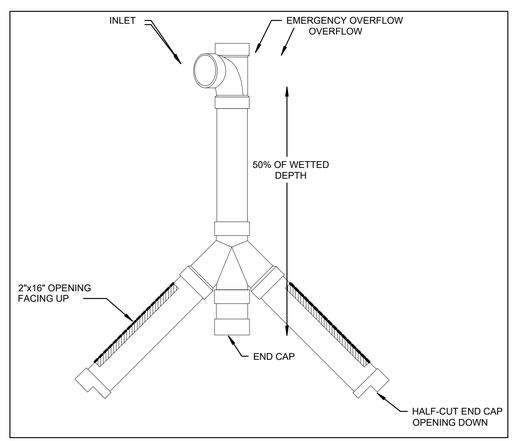
NOTES:

1. USE CLASS 1 CONCRETE WITH DESIGN STRENGTH OF 5000 PSI AT 28 DAYS. UNIT IS OF MONOLITHIC CONSTRUCTION AT FLOOR AND FIRST STAGE OF WALL WITH SECTIONAL RISER TO REQUIRED DEPTH.
2. GRADE 60 REINFORCED. STEEL REBAR CONFORMING TO ASTM A615 ON REQUIRED CENTERS OR EQUAL.
3. CAST IRON FRAMES AND GRATES ARE MANUFACTURED OF GRAY CAST IRON CONFORMING TO ASTM A48-76 CLASS 30, HEAVY-DUTY AASHTO H-20.
4. USE 15" T&G R.C.P. FOR INSTALLATION 6'-0" DEEP AND LESS.
5. USE 24" T^G R.C.P FOR INSTALLATION GREATER THAN 6'-0" DEEP. (STD RING AND MANHOLE COVER REQ'D).
6. SAMPLING WELL MUST BE SET IN A CIRCULAR OR SQUARE CONCRETE PAD (1'-0" GREATER THAN OUTSIDE DIAMETER OF PIPE)
7. INSTALLATION IN UNFINISHED AREAS SHALL BE 4" ABOVE FINISHED GRADE.
8. INSTALLATION IN PAVED AREAS SHALL BE BROUGHT TO FINISHED GRADE.
9. TO BE INSTALLED ON PRIVATE PROPERTY, IN AN ACCESSIBLE LOCATION TO CITY PERSONNEL.

DETAIL - GREASE INTERCEPTOR SAMPLING WELL - TOP AND SIDE VIEW
(B)



DETAIL - GREASE INTERCEPTOR - INLET PIPING DETAIL
(C)



DETAIL - GREASE INTERCEPTOR - EXIT PIPING DETAIL
(D)

smalls SLIDERS®

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SANITARY - DETAILS - GREASE TRAP

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PROJECT NO: SS2507

SHEET ME2.04

DATE 10.01.2025