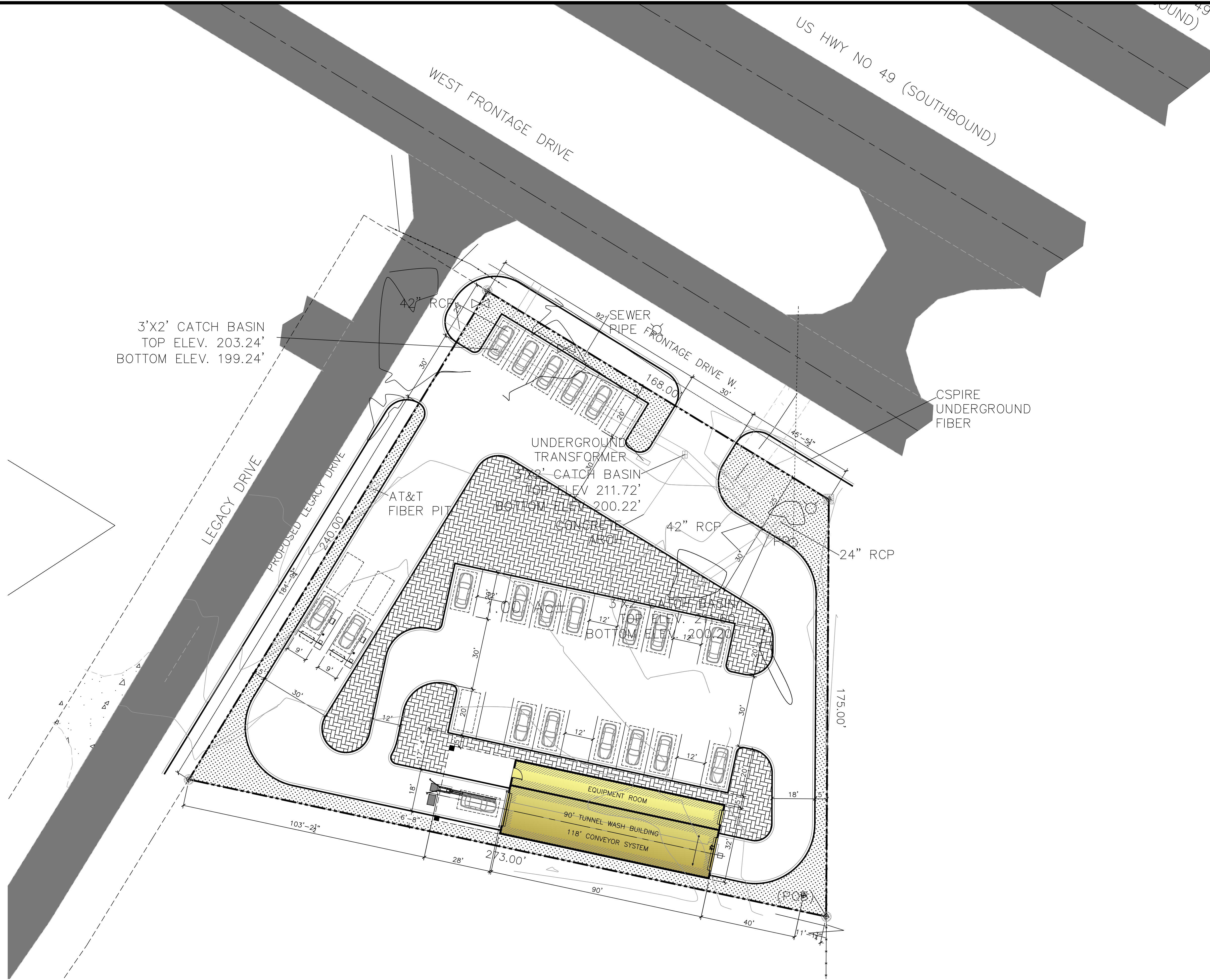


1 SITE PLAN

SCALE: 1" = 20'-0"



DAMMON
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LOUISIANA & MISSISSIPPI

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[illegible]

SEAL:



A NEW CARNASH FOR

WEST FRONTAGE DRIVE
JUGGS, MISSISSIPPI 39577

JOB No: 2024 DATE: 08-22-2024

DRAWN BY: CKD CHECKED BY: BAM

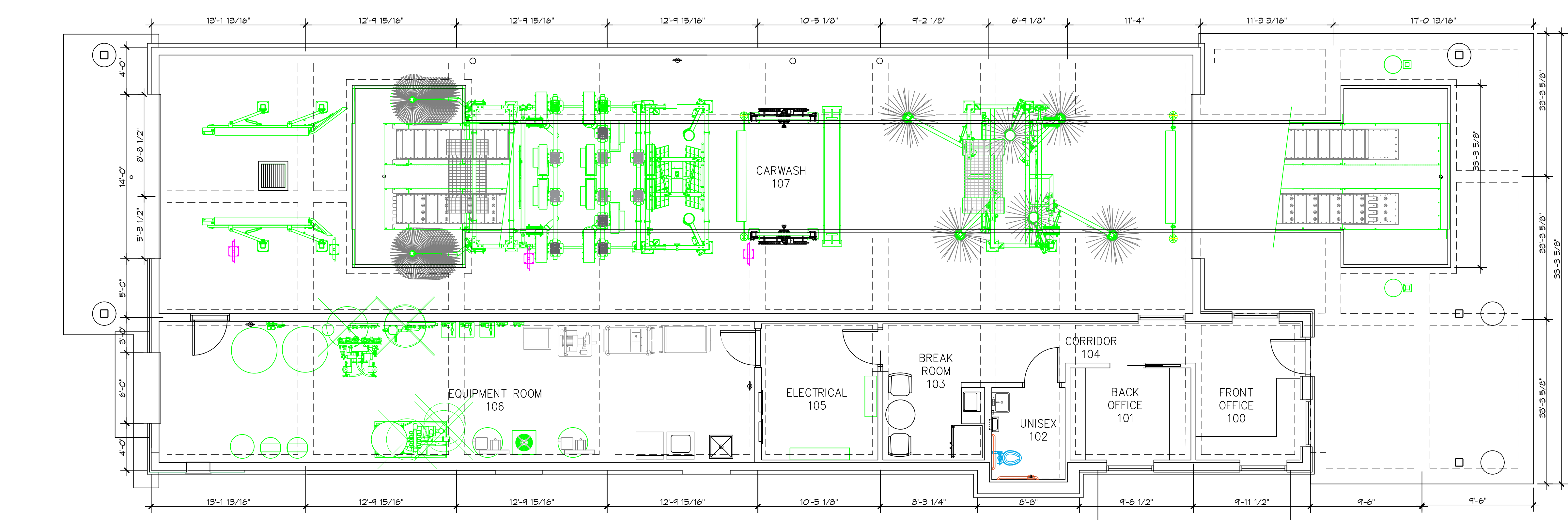
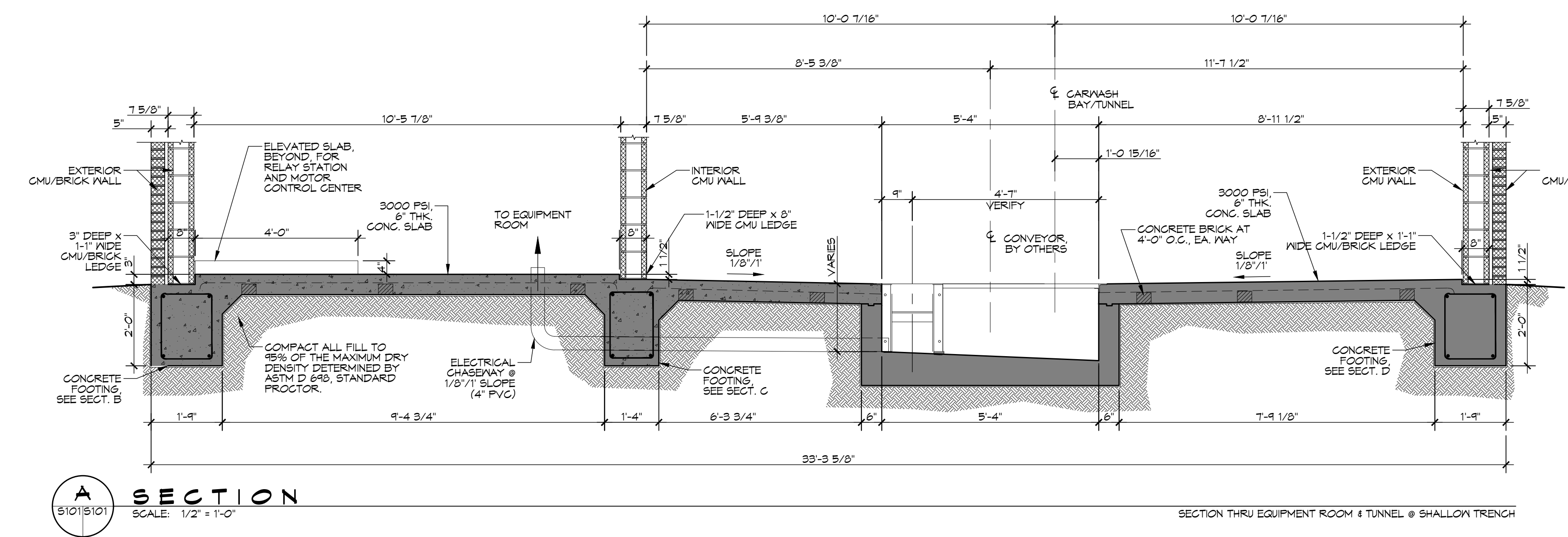
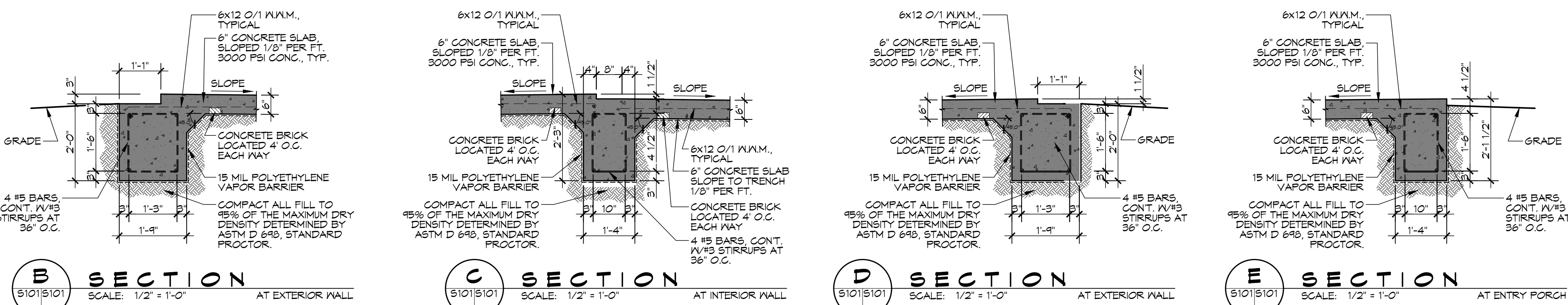
We are showing the location of the design and proposed improvements on the map and plan. The design and proposed improvements are not to be construed as a guarantee of the location of the design and proposed improvements. The design and proposed improvements are not to be construed as a guarantee of the location of the design and proposed improvements. The design and proposed improvements are not to be construed as a guarantee of the location of the design and proposed improvements.

SHEET TITLE:
SITE PLAN

DRAWING NUMBER:

C101

SHEET No: 2 of 10



GENERAL FOUNDATION NOTES

1. THE CONCRETE MIX SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. CONCRETE MIX SHALL BE IN ACCORDANCE WITH ACI-318.
2. ALL CONVENTIONAL REINFORCING SHALL MEET ASTM-A615 (GRADE 60).
3. ONE LAYER OF POLYETHYLENE VAPOR BARRIER SHALL BE PLACED UNDER ALL CONCRETE. VAPOR RETARDER TO BE 15 MIL. STRENGTH; ASTM E1485 CLASS A, PERMEANCE LESS THAN 0.01 PERMS; EQUAL TO STEGO INDUSTRIES STEGO WRAP ECO-SHIELD-E 15 MIL. BY EPFO OR IRONBAR 15 BY FLATIRON FILMS. PROVIDE APPROPRIATE ACCESSORIES FOR A COMPLETE SYSTEM.
4. ALL REINFORCING STEEL AND MESH SHALL BE SECURELY SUPPORTED TO PREVENT BOTH VERTICAL AND HORIZONTAL MOVEMENT DURING CONCRETE PLACEMENT.
5. THE CONTRACTOR SHALL VERIFY ALL DROPS, OFFSETS, CMU LEDGES, DIMENSIONS, AND CONFIGURATIONS. CONTRACTOR MUST BE RESPONSIBLE FOR SAME.
6. GRADE BEAM SIZES MAY VARY BY -5% TO +20%.
7. ALL SUBGRADE FILL SHALL BE SELECT GRANULAR MATERIAL COMPACTED TO 95% STANDARD PROCTOR DENSITY IN A MAXIMUM OF 6' LIFTS.
8. A MINIMUM OF 6" CONCRETE THICKNESS SHALL BE MAINTAINED THROUGHOUT THE SLAB.
9. ALL RUNOFF WATER MUST BE CARRIED AWAY FROM THE SLAB TO PREVENT SATURATION OF THE SUB-BASE.
10. ALL TREES WITHIN CLOSE PROXIMITY SHALL BE REMOVED TO PREVENT THE ROOTS FROM EXTENDING UNDER THE SLAB.
11. PROVIDE AND MAINTAIN IMMEDIATE SITE DRAINAGE BEFORE, DURING, AND AFTER CONSTRUCTION. PROVIDE GRADING, SHELLS, AND SUMP PUMPS AS MAY BE REQUIRED TO IMMEDIATELY DRAIN ALL RAINWATER FROM THE CONSTRUCTION AREA. FOOTING EXCAVATIONS SHOULD BE OBSERVED AND CONCRETE TO BE PLACED AS QUICKLY AS POSSIBLE TO AVOID EXPOSURE OF THE FOOTING BOTTOMS TO WETTING AND DRYING. SURFACE RUNOFF WATER SHOULD BE DRAINED AWAY FROM THE EXCAVATIONS AND NOT BE ALLOWED TO POND PRIOR TO OR AFTER CONCRETE PLACEMENT. IF IT IS REQUIRED THAT A FOOTING EXCAVATION BE LEFT OPEN FOR MORE THAN ONE DAY, IT SHOULD BE PROTECTED TO REDUCE EVAPORATION OR ENTRY OF MOISTURE.
12. NEW SPREAD CONCRETE FOOTINGS AND CONTINUOUS FOOTINGS, BEARING ON COMPACTED STRUCTURAL FILL, AT LEAST 2 FEET BELOW FINISHED GRADE, SHOULD BE DESIGNED FOR MAXIMUM NET ALLOWABLE BEARING PRESSURES OF 1,200 PSF AND 2,000 PSF RESPECTIVELY, BASED ON DEAD LOADS AND DESIGN LIVE LOADS.
13. BASED ON THE RESULTS OF THE FIELD AND LABORATORY TESTS, AND THE ANTICIPATED FOUNDATION LOADS, ESTIMATED MAXIMUM FOUNDATION SETTLEMENTS SHOULD NOT EXCEED 1-1/4". DIFFERENTIAL SETTLEMENT IS ESTIMATED TO BE LESS THAN 1 INCH.
14. TREAT SOIL BELOW SLAB FOR TERMITES.

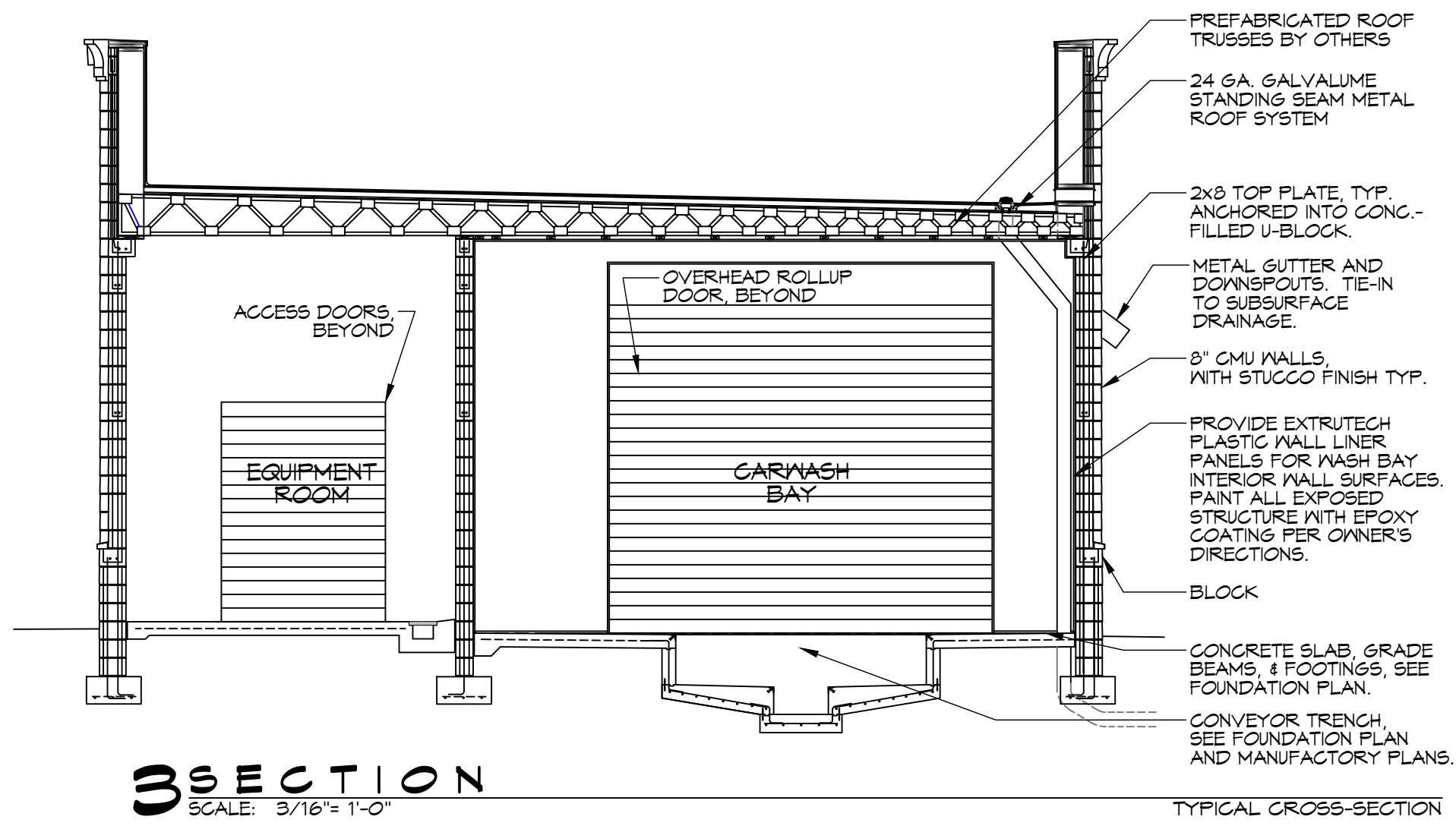
SPECIAL FOUNDATION NOTES

1. HATCHED AREA ON PLAN INDICATES A CONTINUOUS 8" WIDE 'RECESSED' LEVEL TOP OF SLAB FOR THE CMU WALL'S BASE. ELEVATIONS AS SHOWN. BEGIN SLOPE OF THE CONCRETE SLAB TO THE TRENCH DRAIN OR FLOOR DRAINS BEYOND THE 8" LEVEL STRIP AS SHOWN ON PLAN. SAME SITUATION TO APPLY FOR THE CMU COLUMN LEDGE AT THE ENTRY PORCH, SEE PLAN.
2. LEVEL LANDING AT THE MECHANICAL ROOM DOOR. MAXIMUM ELEVATION TO BE 1/2" BELOW THE TOP OF SLAB.
3. GRID LINES ARE TO THE CENTERLINE OF GRADE BEAM FOOTING BELOW.
4. COORDINATE WITH EQUIPMENT MANUFACTURE/VENDOR'S DRAWINGS AND PROVIDE THE EQUIPMENT ELECTRICAL, CONDUIT, WIRING, AND PLUMBING REQUIREMENTS PRIOR TO COMMENCING ANY WORK.
5. VERIFY DIMENSIONS FOR ALL FIT, TRENCHES, DRAINS, AND ANY OTHER CONCRETE PENETRATIONS WITH THE EQUIPMENT VENDOR'S DRAWINGS, AS WELL, PRIOR TO COMMENCING ANY WORK.

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DATE: _____
REVISIONS: _____
DESCRIPTION: _____
SCALE: _____
BRIAN A. MISTICH
LICENSED PROFESSIONAL ENGINEER
STATE OF MISSISSIPPI
20971

A NEW CARWASH FOR
CHEEKY MONKEY
CARWASH
SHEET TITLE:
FOUNDATION PLAN
DRAWING NUMBER:
S101
SHEET No: 3 of 10



DOOR SCHEDULE										
NO.	WIDTH	HEIGHT	THK	DOOR MATERIAL	FRAME MATERIAL	TYPE	HINGE	LOCK	ACC.	REMARKS
1	14'-0"	12'-0"	1"	METAL	STEEL TRACK	ROLLUP	NONE	SLIDE BOLT		OVERHEAD ROLLUP DOOR
2	3'-0"	7'-0"	1-3/4"	HOLLOW METAL	METAL	HINGED	BUTT	KEYED		SEE EXTERIOR ELEVATIONS
3	6'-0"	8'-0"	1-3/4"	HOLLOW METAL	STEEL TRACK	ROLLUP	NONE	SLIDE BOLT		SEE EXTERIOR ELEVATIONS
4	3'-0"	7'-0"	1-3/4"	HOLLOW METAL	METAL	HINGED	BUTT	KEYED		
5	3'-0"	7'-0"	1-3/4"	WOOD	WOOD	ROLL	NONE	KEYED		

DOOR ACCESSORIES:

1. DOOR STOP
2. DOOR CLOSURE
3. THRESHOLD
4. WEATHERSTRIP

DOOR NOTES:

1. DOOR HINGES TO BE STANLEY FULL MORTISE STANDARD HEIGHT WITH BALL BEARING HINGES AND STAINLESS STEEL SATIN FINISH.
2. PROVIDE ADA APPROVED LOCKSETS WITH STAINLESS STEEL SATIN FINISH (TO BE SELECTED BY OWNER).
3. COORDINATE KEYING SCHEDULE WITH OWNER.
4. DOOR STOPS TO BE EQUAL TO VES NO. 436 OR 431, AS REQUIRED, IN MATCHING STAINLESS STEEL SATIN FINISH.
5. WEATHERSTRIP AND THRESHOLD FINISHES TO COMPLEMENT OTHER HARDWARE.

NOTE:

DOORS IN A REQUIRED MEANS OF EGRESS SERVING ANY ASSEMBLY AREA HAVING AN OCCUPANT LOAD OF 50 OR MORE PERSONS SHALL NOT BE EQUIPPED WITH A LATCH OR LOCK OTHER THAN PANIC HARDWARE OR FIRE EXIT HARDWARE.

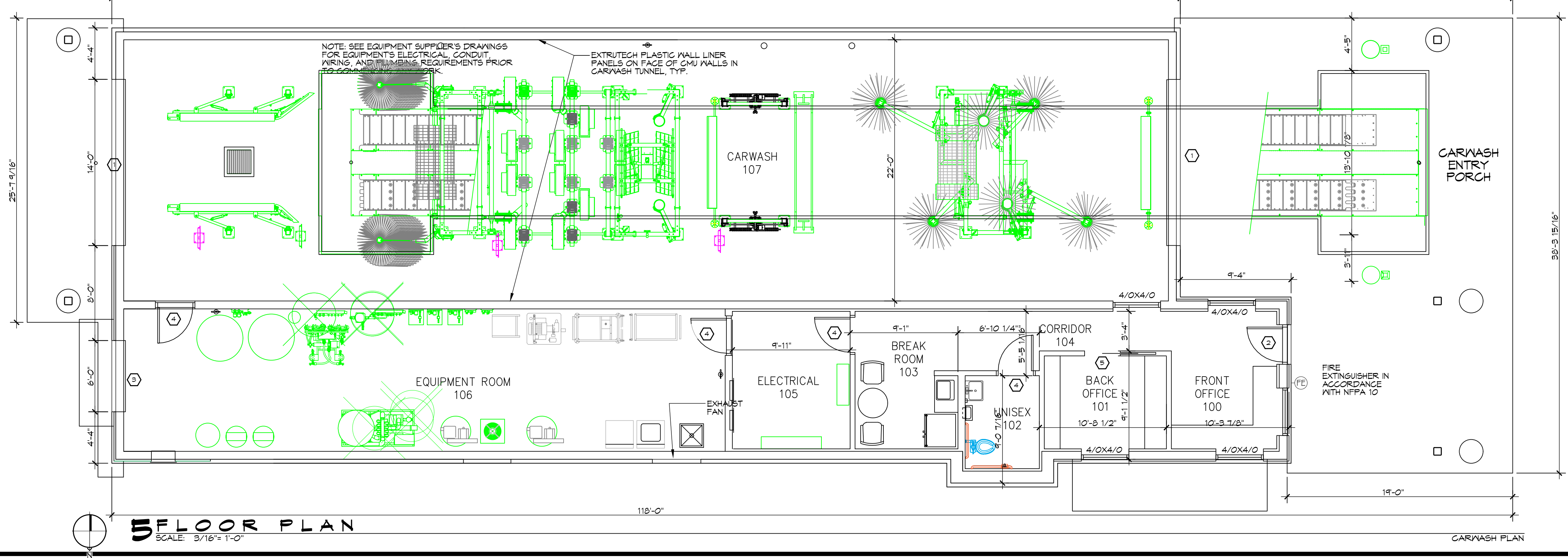
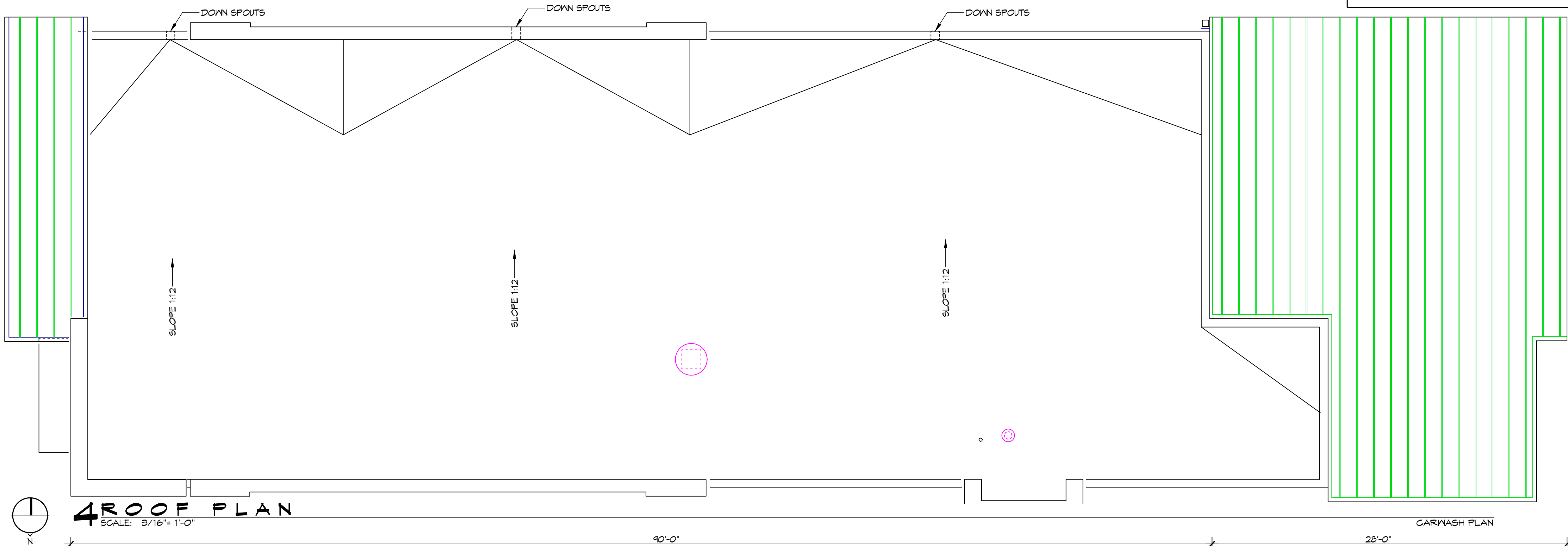
NOTE: ALL EXTERIOR DOORS & WINDOW ASSEMBLIES TO BE RATED FOR 140 MPH WINDS AND SHALL BE MISSILE IMPACT RESISTANT.

FINISH SCHEDULE						
ROOM NAME	ROOM NO	FLOOR	BASE	WALL	CEILING	REMARKS
WASH BAY	101	CONCRETE	NONE	PLASTIC LINER	EPOXY COATED	CEILING HEIGHT VARIES
OFFICE	102	VGT	6" RUBBER	PAINTED CMU	2x2" LAY-IN	CEILING HEIGHT VARIES
EQUIPMENT ROOM	103	CONCRETE	NONE	PAINTED CMU	EXPOSED STRUCT.	CEILING HEIGHT VARIES
RESTROOM	104	VGT	6" RUBBER	PAINTED CMU	2x2" LAY-IN	CEILING HEIGHT VARIES

FINISH NOTE: 1. OWNER TO SELECT STYLE, COLOR, AND BRAND

GENERAL NOTES

- INSULATION AND INSULATION ASSEMBLIES SHALL MEET THE REQUIREMENTS OF SECTION T19.
- A. CONCEALED INSULATION SHALL HAVE A FLAME SPREAD OF 0-25 AND SMOKE DEVELOPED INDEX OF 0-450, EXCEPT THAT IN COMBUSTIBLE (WOOD FRAME) CONSTRUCTION.
- B. FACING SHALL COMPLY WITH IBC 2201.
2. PROVIDE 5/16" (MIN.) LANDINGS, LEVEL WITH FINISHED FLOOR, OUTSIDE EXTERIOR DOORS. SEE SITE PAVING PLAN. THRESHOLDS SHALL BE NOT MORE THAN 1/2" IN HEIGHT AND SHALL BE BEVELED IF MORE THAN 1/4".
3. DIMENSIONS ARE GIVEN TO FACE OF G.W. CENTER OF COLUMNS, OR FACE OF RIGID FRAME.
4. CONTRACTOR TO VERIFY ALL SITE CONDITIONS, BUILDING LOCATIONS, AND DIMENSIONS PRIOR TO CONSTRUCTION.
5. MATERIALS SHALL BE NEW AND U.L. LISTED.
6. NO WORK SHALL BE CONCEALED UNTIL APPROVED BY LOCAL INSPECTORS.
7. CONSTRUCTION SHALL COMPLY WITH ALL PARISH, STATE, AND LOCAL CODES.
8. CONTRACTOR TO GUARANTEE WORK FOR ONE YEAR.
9. CONTRACTOR SHALL FURNISH WATER AND POWER TO ANY EXISTING SOURCES.
10. EXTERIOR CAULKING SHALL BE DON CORNING 70 SILICONE, INSTALL IN ACCORDANCE WITH MANUFACTURER RECOMMENDATION WITH ARCH/OOWNER TO SELECT COLOR. INTERIOR CAULKING TO BE EQUAL TO DAP PAINTABLE LATEX WITH SILICONE.
11. PAINT GRADE TO SHALL BE SHERWIN WILLIAMS OR EQUIVALENT. ALL WORK TO RECEIVE 3 COATS, COLOR SELECTION BY OWNER. EPOXY FOR GARVASH BAY TO BE CHOSEN BY OWNER AND APPLIED PER OWNER'S DIRECTIONS.
12. PROVIDE CLEANUP ON A REGULAR BASIS, NO TRASH STORED IN BUILDING.
13. ALL INSULATION SHALL HAVE A CLASS "A" (0-25) FLAME SPREAD IN COMPLIANCE WITH APPLICABLE CODE.
14. PROVIDE GALVANIZED METAL PAN WITH DRAIN AT WATER HEATER LOCATION.
15. FLOORING SHALL BE NON-SLIP.
16. INTERIOR LOCKS ON DOORS IN MEANS OF EGRESS SHALL NOT REQUIRE THE USE OF A KEY, SPECIAL KNOWLEDGE, OR SPECIAL DEVICE TO OPEN IN THE DIRECTION OF EGRESS. ALL DOORS SHALL HAVE LEVER TYPE HANDLES.
17. INTERIOR WALLS AND CEILINGS SHALL HAVE A FLAME SPREAD OF 0-200 AND A SMOKE DEVELOPMENT RATING OF 0-450.
18. ALL WORK SHALL COMPLY WITH THE LATEST EDITION OF ALL LOCAL, STATE, AND NATIONAL CODES COVERING THE TYPE OF WORK BEING PERFORMED.
19. PROVIDE PORTABLE FIRE EXTINGUISHERS IN ACCORDANCE WITH NFPA 101. SEE APPENDIX 'E' OF NFPA 101 FOR DISTRIBUTION OF EXTINGUISHERS.
20. ALL WALLS EXTEND TIGHT TO ROOF SHEATHING, AND BE SEALED WITH AN APPROVED FIRE CAULK.
21. ALL ELECTRICAL, MECHANICAL, AND PLUMBING MATERIALS PENETRATING FIRE WALLS SHALL BE FIRE CAULKED. (PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM-E814).



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SEAL

[illegible]

SHEET TITLE:
FLOOR PLAN
& ROOF PLAN

DRAWING NUMBER:

A101



SHEET TITLE:
EXTERIOR ELEVATIONS

A102

SHEET No: 5 of 10

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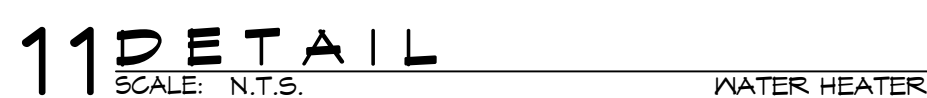
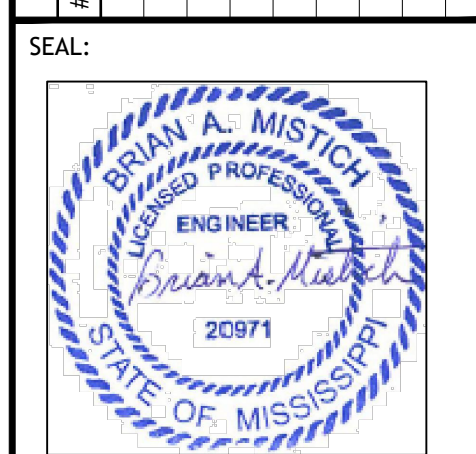
Chief Engineer: Brian Mistich, PE
54 Old Spanish Trail
Tucson, AZ 85704

PLUMBING FIXTURE NOTES:

1. INSULATE PIPING FOR HANDICAP FIXTURES.
2. PROVIDE CHAIR CARRIER FOR WALL HUNG FIXTURES.
3. H. C. = HANDICAP FIXTURE
4. INSTALL CONTINUOUS DRIP VALVE ON ALL FLOOR DRAINS.
5. FIXTURES SELECTED BY OWNER.

30 GALS PER CAR
200 CARS PER DAY
6000 GALS PER DAY

1. PROVIDE ALL LABOR, MATERIAL, AND EQUIPMENT FOR A COMPLETE OPERATING SYSTEM. PROVIDE ALL PLUMBING FIXTURES EXCEPT THOSE PROVIDED BY OWNER. THE SYSTEM SHALL INCLUDE HOT AND COLD WATER PIPING, SEWER AND VENT PIPING, INSULATION, WATER HEATER, HANGERS, VALVES, AND ALL SUPPORTS WITHOUT ANY RESTRICTIONS TO VOLUME. CUT AND PATCH AS REQUIRED TO INSTALL PIPES.
2. CONTRACTOR IS TO FIELD VERIFY ALL EXISTING UTILITY LOCATIONS, ELEVATIONS, AND INVERTS PRIOR TO COMMENCING ANY WORK. CONTRACTOR SHALL PAY NECESSARY FEES FOR THE UTILITIES CONNECTIONS.
3. CONTRACTOR TO BE RESPONSIBLE TO VERIFY ANY INVERTS AND SET NEW INVERTS OF SEWAGE AND DRAINAGE PIPES.
4. ALL WORK AND MATERIAL TO COMPLY STRICTLY TO THE LATEST LOCAL CITY PARISH, STATE, AND NATIONAL GOVERNING CODES.
5. SEWAGE LINES 3" AND SMALLER SHALL BE SLOPED 1/4" PER FOOT AND LINES THAT ARE 4" AND LARGER SHALL BE SLOPED 1/8" PER FOOT.
6. TEST ALL PIPING AT REQUIRED PRESSURE.
7. ALL PLUMBING SHALL BE CLOSELY COORDINATED WITH STRUCTURAL, MECHANICAL, AND ELECTRICAL SYSTEMS TO ENSURE NO TRADES WILL CONFLICT WITH EACH OTHER.
8. ALL WATER MAINS AND PIPING NOT SHOWN FOR CLARITY. ALL LOCATIONS SHALL BE FIELD VERIFIED.
9. WATER PIPING UNDER GROUND SHALL BE PVC SCHEDULE 40. DOMESTIC HOT AND COLD WATER PIPING AND FITTINGS UNDER THE FINISHED FLOOR BUT ABOVE THE NATURAL GRADE SHALL BE CPVC SCHEDULE 80.
10. DOMESTIC HOT AND COLD WATER PIPING AND FITTINGS UNDER THE SLAB SHALL BE ASTM B88 COPPER WATER TUBE, TYPE K 50FT ANNEALED. NO JOINTS SHALL BE ALLOWED UNDER THE SLAB.
11. DOMESTIC WATER PIPING AND FITTING ABOVE THE SLAB SHALL BE B88 COPPER WATER TUBE TYPE 1, HARD DRAWN WITH COPPER PRESSURE TYPE FITTINGS, ANSI B16.22. THE JOINTS SHALL BE SOLDERED TYPE USING ASTM B32, ALLOY GRADE 45A (95-5) SOLDER.
12. SOIL, WASTE, VENT PIPING, AND FITTINGS ABOVE THE SLAB SHALL BE SERVICE WEIGHT CAST IRON PIPE WITH BELL AND SPIGOT ENDS AND A ONE-PIECE NEOPRENE, INSERT-TYPE GASKET. USE PVC SCHEDULE 40 OR ABS DWV PIPES AND FITTINGS WHERE PERMITTED BY CODE.
13. ALL WATER PIPING AND FITTINGS ABOVE THE CEILING SHALL BE INSULATED WITH 1/2" THICK FIBERGLASS INSULATION AND JACKET.
14. ALL ELECTRICAL, MECHANICAL, AND PLUMBING PENETRATING FIRE PARTITIONS SHALL BE FIRE CAULKED. (PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM-E81.4.)
15. ALL PLUMBING LINES SHOWN ARE DIAGRAMATIC.

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A NEW CARWASH FOR

SHEET TITLE:
PLUMBING PLAN

DRAWING NUMBER:

P101

SHEET No: 6 of 10

15 DETAILS
SCALE: NTS

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

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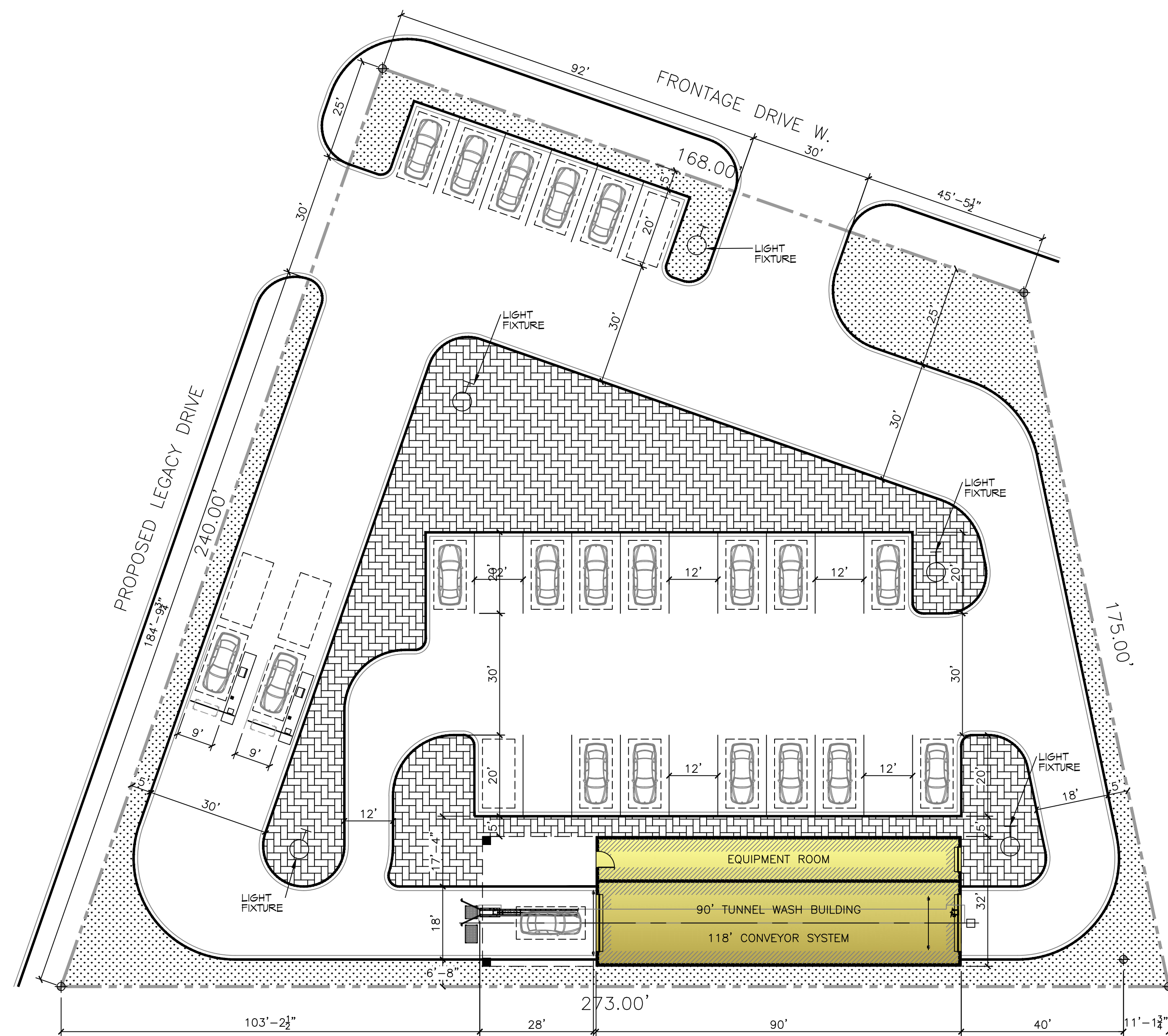
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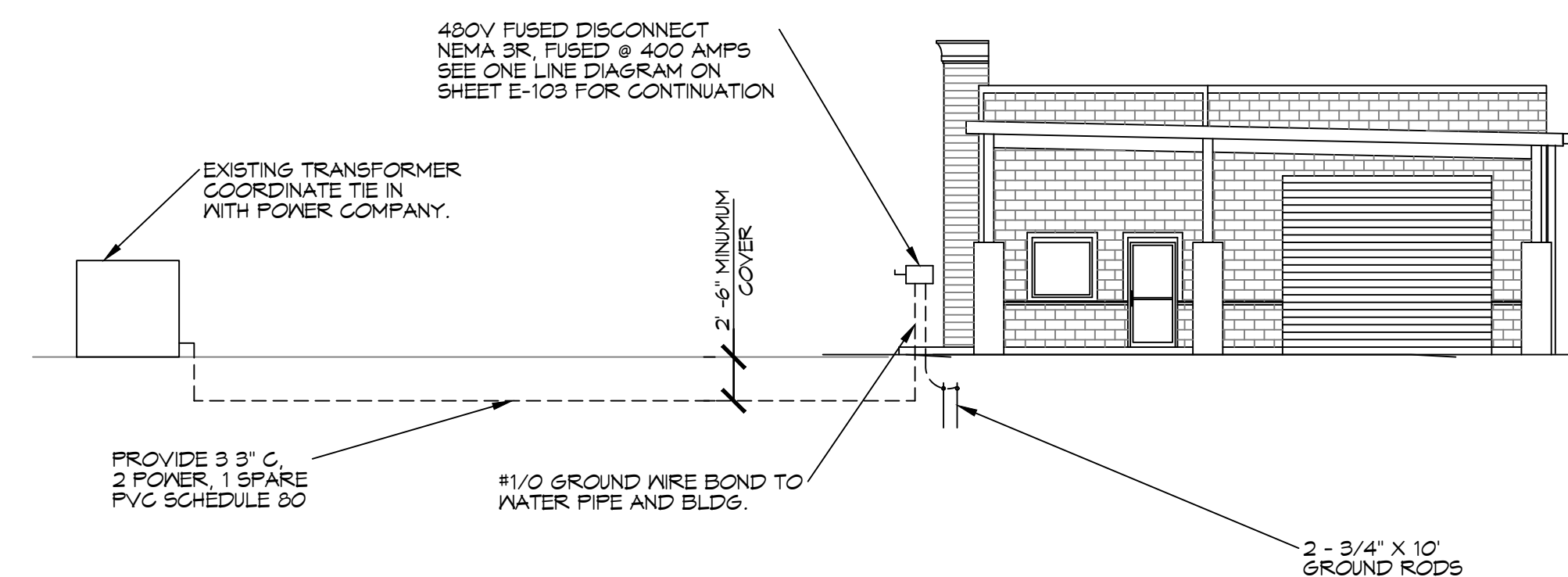
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17 SITE LIGHTING & POWER PLAN
SCALE: 1" = 20'-0"



18 Riser Diagram

SITE LIGHTING

EXTERIOR LIGHTING SHALL BE SHADED OR INWARDLY DIRECTED IN SUCH A MANNER SO THAT NO DIRECT LIGHTING OR GLARE BE CAST BEYOND THE PROPERTY LINE. THE INTENSITY OF SUCH LIGHTING SHALL NOT EXCEED ONE FOOT CANDLE AS MEASURED AT THE ABUTTING PROPERTY LINE.

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SEAL:



A NEW CARWASH FOR

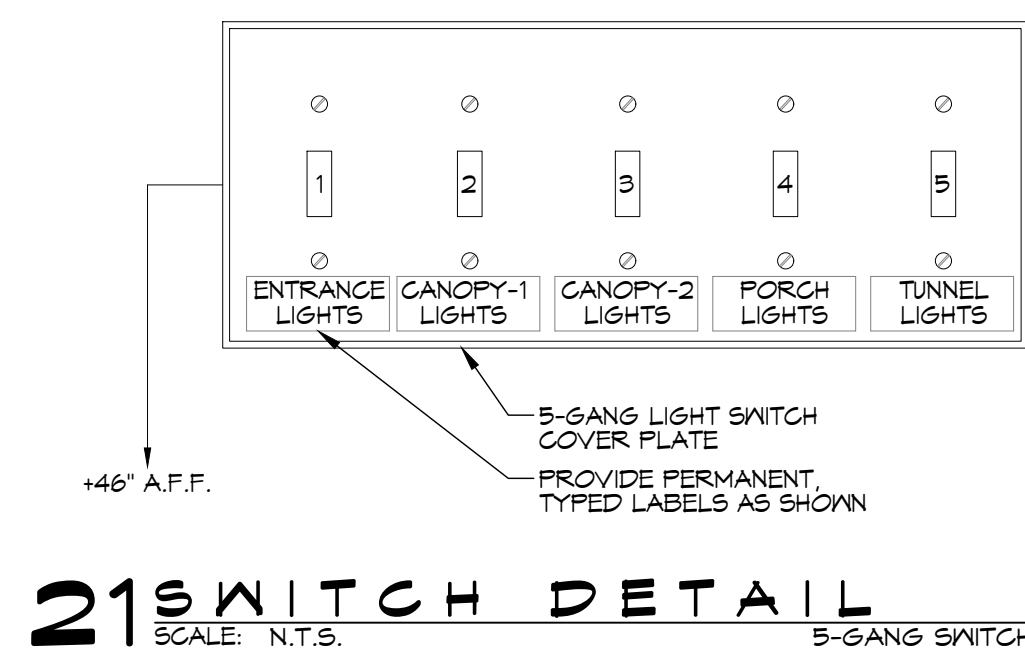
WIGGINS, MISSISSIPPI 35677	JOB No: 2024	DATE: 08-22-2024	We agree drawing and specifications, designs and arrangements incorporated hereby are the property of the undersigned and shall remain the property of the undersigned, and no part thereof shall be copied or reproduced in any form without the written consent of the undersigned. Project for which the above drawings and developed without written consent of the undersigned. Design of Engineering, Mutual consent with these drawings or specifications shall control over the drawings.
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SHEET TITLE:
SITE LIGHTING & POWER
PLAN

DRAWING NUMBER:

E101

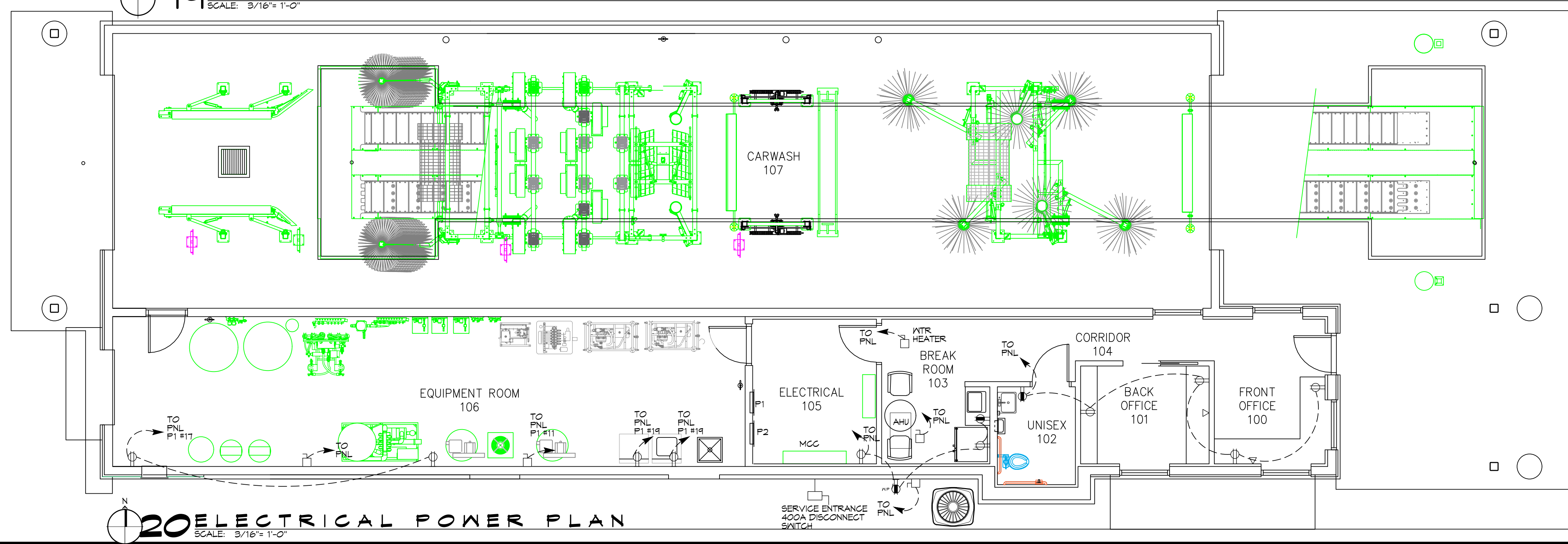
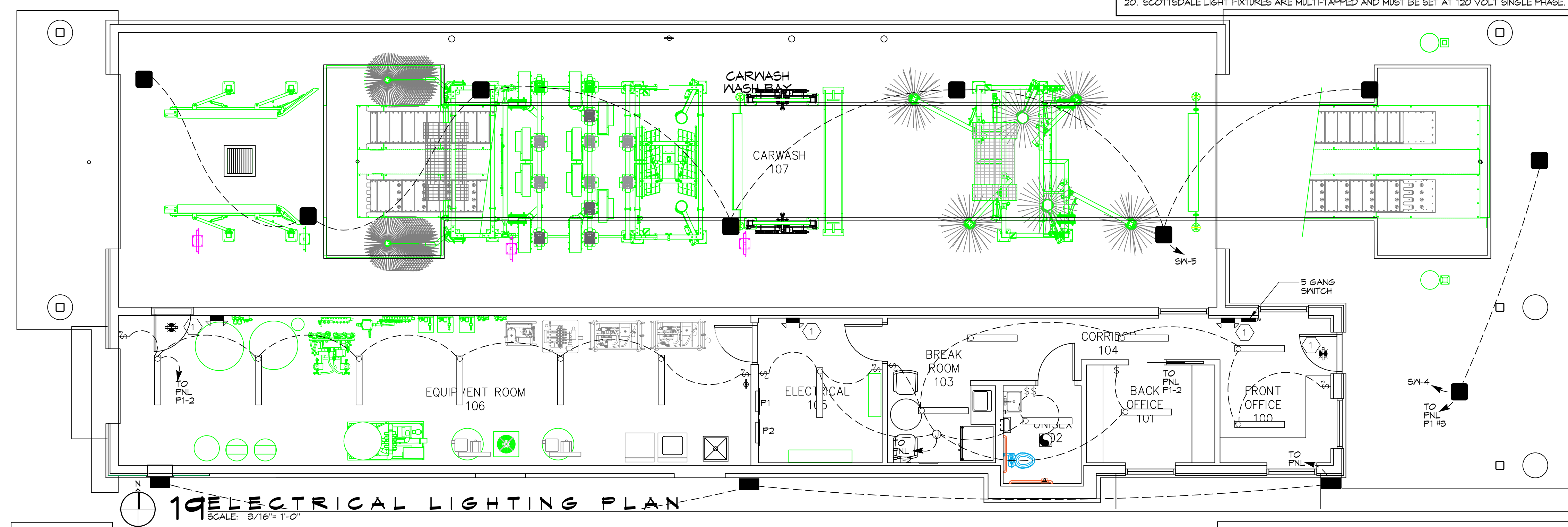
SHEET No: 8 of 10



POWER LEGEND	
SYMB	DESCRIPTION
	STANDARD 120V DUPLEX RECEPTACLE, NEMA 5-2 OR 15" AFF (UNLESS OTHERWISE NOTED)
	GFCI DUPLEX RECEPTACLE
	WEATHER-PROOF GFCI DUPLEX RECEPTACLE MOUNTED AT 30" AFF (UNLESS OTHERWISE NOTED)
	JUNCTION BOX
	POWER DISCONNECT
	EXHAUST FAN/LIGHT COMBO - SEE MECH.
	TELEPHONE
	CIRCUIT PANEL
	CIRCUIT HOME RUN

LIGHTING LEGEND			
	EMERGENCY LIGHT FIXTURE (12w)		1'X8' CEILING MOUNTED FLUORESCENT LIGHT STRIP FIXTURE (2 BULB 128w TOTAL) 120V 10
	EXIT LIGHT FIXTURE - WALL MOUNTED (10w)		ELECTRIC PANEL BOARD
	EXIT LIGHT FIXTURE - CEILING MOUNTED (10w)		CIRCUIT HOME RUN
	LED WALL MOUNTED LIGHT FIXTURE WITH 90 MIN. BACK-UP (75w)		LIGHT SWITCH 120V COMMERCIAL GRADE
	2'X2' FLUORESCENT LIGHT FIXTURE (100w) 120V 10		LIGHT SWITCH - 3-WAY 120V COMMERCIAL GRADE
	SCOTTSDALE 56320 PSMV PULSE-START METAL HALIDE (320w) 120 10		EXHAUST FAN/LIGHT COMBO UNIT(23w), SEE MECHANICAL
	EXTERIOR WATERPROOF WALL MOUNTED H.P. METAL HALIDE FLOOD LIGHT (175w)		5 GANG SWITCH

- # ELECTRICAL NOTES
1. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, THE GOVERNING ELECTRICAL CODE, AND ALL OTHER INSPECTION DEPARTMENTS HAVING JURISDICTION. OBTAIN CERTIFICATES OR APPROVAL WHERE REQUIRED.
 2. ALL MATERIALS FURNISHED SHALL BE NEW AND SHALL BE U. L. LISTED.
 3. THE DRAWINGS INDICATE SIZE AND GENERAL LOCATION OF WORK. SCALED DIMENSIONS SHALL NOT BE USED. THE EXACT LOCATION OF ALL LIGHTING FIXTURES, RECEPTACLES, AND TELEPHONE OUTLETS, ETC... SHALL BE DETERMINED BY ACTUAL CONDITIONS IN THE FIELD.
 4. PRIOR TO BIDDING, CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS.
 5. ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES AND WITH OTHER CONTRACTORS WHOSE WORK MAY AFFECT HIS INSTALLATION.
 6. ELECTRICAL CONTRACTOR SHALL COORDINATE INCOMING ELECTRICAL SERVICE WITH UTILITY COMPANY AND INCLUDE IN HIS BID ALL CHARGES AND FEES INCURRED IN MODIFICATIONS.
 7. WHERE MORE THAN ONE SWITCH OCCURS IN THE SAME LOCATION, THEY SHALL BE INSTALLED IN A GANG TYPE BOX UNDER ONE COVER PLATE.
 8. ELECTRICAL CONTRACTOR, BEFORE INSTALLING ANY WORK, SHALL SEE THAT IT DOES NOT INTERFERE WITH CLEARANCES REQUIRED FOR FINISHED COLUMNS, HUNG CEILINGS, PLASTER, PARTITIONS, WALLS, ETC... AS SHOWN IN THE ARCHITECTURAL DRAWINGS AND DETAILS. IF ANY WORK IS INSTALLED AND IT LATER DEVELOPES THAT SUCH DETAILS OR DESIGNS CAN NOT BE FOLLOWED, THE CONTRACTOR, AT HIS OWN EXPENSE SHALL MAKE SUCH CHANGES IN THE WORK AS DIRECTED BY THE ARCHITECT SO TO PERMIT THE INSTALLATION OF THE ARCHITECTURAL WORK AS SHOWN ON THE PLANS AND DETAILS.
 9. PERFORM ANY TESTS REQUIRED BY THE OWNER OR ENGINEER IN CONNECTION WITH THE OPERATION OF THE ELECTRICAL SYSTEM OF THE BUILDING.
 10. ALL TESTS SHALL BE MADE IN ACCORDANCE WITH THE LATES STANDARD OF THE IEEE AND THE NATIONAL ELECTRICAL CODE.
 11. MINIMUM CONDUCTOR SIZE SHALL BE #12, 600V INSULATION. MINIMUM SIZE CONDUIT SHALL BE 3/4" EMT FOR INTERIOR USE, AND 3/4" RIGID ALUMINUM FOR EXTERIOR USE. USE CONDUIT AND WIRE OR TYPE MC CABLE COPPER, FOR LIGHTS AND RECEPTACLE CIRCUITS. EXTERIOR FITTINGS SHALL BE CAST BOXES AND COVERS. INTERIOR FITTINGS SHALL BE CAST WHERE EXPOSED ON WALLS. STAMPED BOXES MAY BE USED ABOVE CEILINGS IN AIR CONDITIONED SPACES. WHERE LAY IN FIXTURES ARE IN USE, THE USE OF 1/4" IS ALLOWED FOR 6" WIPS.
 12. ALL ELECTRICAL SWITCHES AND RECEPTACLES SHALL BE RATED AT NOT LESS THAN 20 AMPS.
 13. CONTRACTOR SHALL INSTALL WIRING AND OTHER CIRCUIT COMPONENTS TO MATCH EQUIPMENT ACTUALLY INSTALLED.
 14. BONDING AND GROUNDING SHALL BE IN ACCORDANCE WITH NFPA 70:230-63, NFPA 250-23, 250-71, & 250-72.
 15. GROUND NEUTRAL IN ACCORDANCE WITH NFPA 70:250-230.
 16. FUSES SHALL BE ITT CLASS KS, 250 VOLT, 200,000 AMP INTERRUPTING CAP.
 17. EXTERIOR LIGHTING SHALL BE SHADED OR INWARDLY DIRECTED IN SUCH A MANNER SO THAT NO DIRECT LIGHTING OR GLARE IS CAST BEYOND THE PROPERTY LINE. THE INTENSITY OF SUCH LIGHTING SHALL NOT EXCEED ONE FOOT CANDLE AS MEASURED AT THE ABUTTING PROPERTY LINE.
 18. ALL ELECTRICAL, MECHANICAL, AND PLUMBING PENETRATING FIRE PARTITIONS SHALL BE FIRE CAULKED. (PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM-E261.)
 19. ALL ABOVE GROUND PVC TO BE SCHEDULE 80.
 20. SCOTTSDALE LIGHT FIXTURES ARE MULTI-TAPPED AND MUST BE SET AT 120 VOLT SINGLE PHASE.

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TOTALS			
A.I.C. RATING	(VERIFY)	TOTAL CONNECTED	_____ WATTS
MOUNTING	<u>SURFACE</u>	TOTAL DEMAND	_____ WATTS
		TOTAL AMPS	_____ AMPS

TOTAL CONNECTED	_____	WATTS
TOTAL DEMAND	_____	WATTS
TOTAL AMPS	_____	AMPS

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TOTAL CONNECTED	_____	WATTS
TOTAL DEMAND	_____	WATTS
TOTAL AMPS	_____	AMPS

11.16.05

A. GENERAL PROVISIONS

1. THE WORK SHALL CONSIST OF FURNISHING LABOR, EQUIPMENT, AND MATERIALS TO PROVIDE THE COMPLETE INTEGRATED AND PROPER FUNCTIONING SYSTEMS AS SHOWN ON THE DRAWINGS.
2. SCOPE OF WORK INCLUDES, BUT IS NOT LIMITED TO, FURNISHING, INSTALLING AND TERMINATING ALL 3 PHASE, 1 PHASE, COMPUTER/CONTROL POWER PER THESE DRAWINGS, AND SONNYS INSTALLATION MANUALS.
3. ALL WORK SHALL BE DONE IN CONFORMANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS AND ORDINANCES.
4. ALL EQUIPMENT AND MATERIALS PROVIDED SHALL BE NEW AND IN CONFORMANCE WITH APPLICABLE PROVISIONS OF N.E.M.A., A.N.S.I., U.L., ETC.
5. THE ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF OTHER TRADES SO AS TO AVOID INTERFERENCE.
6. THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL LAYOUT OF ELECTRICAL SYSTEMS. FIELD VERIFICATIONS OF DIMENSIONS IS DIRECTED.
7. SECURE PERMITS AND INSPECTIONS REQUIRED BY STATE AND LOCAL LAWS AND ORDINANCES.
8. UPON COMPLETION OF THE WORK, FURNISH TO THE OWNER CERTIFICATES OF FINAL INSPECTIONS AND APPROVALS FROM AUTHORITIES HAVING JURISDICTION.
9. ALL WORK SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE BY THE OWNER.

B. RACEWAYS

1. ALL WIRING SHALL BE INSTALLED IN APPROVED RACEWAYS UNLESS OTHERWISE INDICATED.
2. MINIMUM CONDUIT SIZE SHALL BE 1/2" TRADE SIZE.
USE FLEXIBLE CONDUIT FOR SHORT FINAL CONNECTIONS TO VIBRATING EQUIPMENT SUCH AS MOTORS AND TRANSFORMERS. LIQUID-TIGHT FLEXIBLE CONDUIT SHALL BE USED IN DAMP AND WET LOCATIONS. ALL BLOWERS' CONNECTION MUST HAVE 24" SIZED Drip LOOP TO ALLOW MOVEMENT FOR MAINTENANCE. FLEXIBLE CORDS SHALL BE USED WHERE CALLED FOR ON THE PLANS.
4. EXPOSED CONDUITS SHALL BE RUN PARALLEL TO BUILDING LINES.
5. DO NOT INSTALL CONDUITS LARGER THAN 1/3 THE SLAB THICKNESS IN CONCRETE SLABS.
6. PROVIDE APPROVED FIRE STOPPING MATERIALS AT ALL PENETRATIONS THROUGH FIRE RATED FLOORS AND WALLS TO PREVENT THE PASSAGE OF SMOKE, FIRE, TOXIC GAS OR WATER THROUGH THE PENETRATION EITHER BEFORE, DURING, OR AFTER A FIRE, AS REQUIRED BY ARTICLE 300-21 OF THE N.E.C.
7. PROVIDE CABLE SUPPORTS IN ACCORDANCE WITH ARTICLE 300 OF THE N.E.C
8. PROVIDE EXPANSION FITTINGS IN CONDUIT RUNS CROSSING STRUCTURAL EXPANSION JOINTS.

C. CONDUCTORS

1. ALL WIRING SHALL BE COPPER.
2. CONDUCTORS SHALL BE RATED 600V. WITH TYPE THWN/THHN INSULATION.
3. WIRES SHALL BE STRANDED CONDUCTOR

D. CONNECTORS

1. ALL WIRE CONNECTIONS FOR 10HP MOTORS OR LARGER MUST BE SPLIT BOLT CONNECTORS OR EQUIVALENT APPROVED BY N.E.C AND/OR MANUFACTURER.

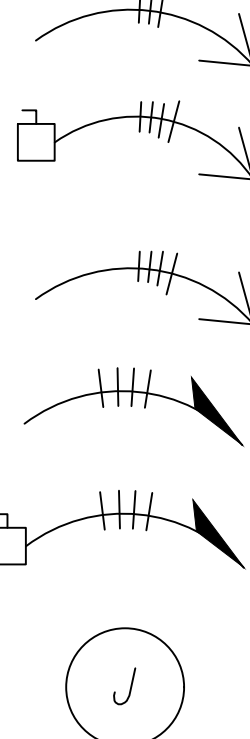
E. LIGHTING PANELS

1. PROVIDE LIGHTING PANELS AS INDICATED ON THE PLANS AND AS SPECIFIED HEREIN. ALL PANELS SHALL BE DEAD FRONT, CIRCUIT BREAKER TYPE. AND SHALL BEAR THE U.L. LABEL AS WELL AS MEET ALL APPLICABLE NEMA REQUIREMENTS.
2. UNLESS OTHERWISE NOTED, TOP OF PANELS SHALL BE MOUNTED 6'-0" A.F.F.
3. ALL PANELS SHALL HAVE TYPEWRITTEN CIRCUIT DIRECTORIES MOUNTED INSIDE OF DOOR.
4. PANELS SHALL BE SUITABLE FOR THE SERVICE RATING AND THE A.I.C. RATING INDICATED ON THE PANEL SCHEDULES.
5. ALL BREAKERS SHALL BE FULL SPACE, INDIVIDUAL FRAME TYPE. NO "PIGGYBACK" OR TANDEM BREAKERS WILL BE PERMITTED.

F. SAFETY SWITCHES

1. SAFETY SWITCHES SHALL BE HEAVY DUTY TYPE NON-FUSIBLE WITH POLES, AMPERE AND SERVICE RATINGS AS INDICATED ON THE PLANS. LUGS SHALL BE U.L. LISTED FOR CU.-AL.
2. ENCLOSURES FOR SAFETY SWITCHES SHALL BE NEMA 1, EXCEPT FOR SWITCHES MARKED "WP" (WEATHERPROOF) SHALL BE NEMA 4X.
- 2.A (C) -DISCONNECTS TO BE MOUNTED IN TUNNEL OR OTHER AREAS NOT WITHIN 50 L.F. OR L.O.S. OF MCC IN CONFORMANCE WITH N.E.C. AND/OR LOCAL CODES. ALSO TO BE TYPE 4X NON-METALLIC ENCLOSURES, NON-FUSED SIZED FOR LOAD. DISCONNECTING MEANS SHALL NOT BE REQUIRED WHERE SUCH A LOCATION OF THE DISCONNECTING MEANS IS IMPRACTICABLE OR INTRODUCES ADDITIONAL OR INCREASED HAZARDS TO PERSON OR PROPERTY. N.E.C. (ARTICLE 430.102-B-g)

—JUNCTION BOX



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SEAL



A NEW CARNASH FOR

SHEET TITLE:
ELECTRICAL EQUIPMENT
& RISER

DRAWING NUMBER:

E103

SHEET No: 10 of 10

