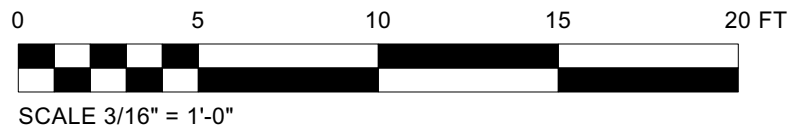


LEGEND:		
SYMBOL	DESCRIPTION	UL LISTING
	1 HR RATED WALLS	U425
	2 HR RATED WALLS	U419
	3 HR RATED WALLS	U912
	EGRESS PATH	

<b>EXITS:</b>
<b>DOOR DIRECTION OF SWING</b>
DOORS SHALL SWING IN THE DIRECTION OF EGRESS TRAVEL WHERE SERVING AN OCCUPANT LOAD OF 50 OR MORE PERSONS. THE OPENING FORCE INTERIOR SIDE-SWINGING DOORS WITHOUT CLOSERS SHALL NOT EXCEED A 5 LB (22 N) FORCE. FOR OTHER SIDE SWINGING, SLIDING, AND FOLDING DOORS, THE LATCH SHALL RELEASE WHEN SUBJECT TO A 15 LB (67 N) FORCE. THE DOOR SHALL BE SET IN MOTION WHEN SUBJECT TO A 30 LB (133 N) FORCE. THE DOOR SHALL SWING TO A FULL OPEN POSITION WHEN SUBJECTED TO A 15 LB (67 N) FORCE. FORCES SHALL BE APPLIED TO THE LATCH SIDE (B 1003.3.1.2).

OCCUPANCY (IBC 303.3): MERCANTILE						
FLOOR	ROOM NUMBER	ROOM NAME	AREA (SF)	OCCUPANCY	PERSONS / SF	TOTAL PERSONS
TENANT #1	100	TENANT #1	846	B	60	15
	101	TOILET ROOM	42	-	-	0
	TOTAL OCCUPANTS:					15
TENANT #2	102	TENANT #2	1,355	B	60	23
	103	TOILET ROOM	42	-	-	0
	TOTAL OCCUPANTS:					23
TENANT #3	104	TENANT #3	1,370	B	60	23
	105	TOILET ROOM	42	-	-	0
	TOTAL OCCUPANTS:					23
TENANT #4	106	TENANT #4	1,363	B	60	23
	107	TOILET ROOM	42	-	-	0
	TOTAL OCCUPANTS:					23
TENANT #5	108	TENANT #5	841	B	60	15
	109	TOILET ROOM	42	-	-	0
	TOTAL OCCUPANTS:					15

EGRESS: (IBC 1005.3)			
OTHERS: .2" PER OCCUPANT		REQUIRED:	PROPOSED:
TENANT #1 (15 OCCUPANTS)*(.)2 =		3" TOTAL	(2) 36" DOORS
TENANT #2 (24 OCCUPANTS)*(.)2 =		4.6" TOTAL	(2) 36" DOORS
TENANT #3 (14 OCCUPANTS)*(.)2 =		4.6" TOTAL	(2) 36" DOORS
TENANT #4 (14 OCCUPANTS)*(.)2 =		4.6" TOTAL	(2) 36" DOORS
TENANT #5 (15 OCCUPANTS)*(.)2 =		3" TOTAL	(2) 36" DOORS
EXITS : (IBC TABLE 1019.1)			
TENANT #1:	2		4
TENANT #2:	2		2
TENANT #3:	2		2
TENANT #4:	2		2
TENANT #5:	2		2
EXIT DOORWAY ARRANGEMENT (IBC 1015)			
SEPARATION DISTANCE OF EXIT DOORS SHALL NOT BE LESS THAN 1/32OF LENGTH OF MAX. OVERALL DIAGONAL DIMENSION OF AREA SERVED.			
FLOOR:	DIAGONAL DIMENSION:	1/2 DISTANCE:	PROVIDED:
TENANT #1:	47'-11 3/4"	23'-11 7/8"	44'-2 1/2"
TENANT #2:	65'-11 1/4"	32'-11 3/4"	62'-0"
TENANT #3:	65'-11 1/4"	32'-11 3/4"	62'-0"
TENANT #4:	65'-11 1/4"	32'-11 3/4"	62'-0"
TENANT #5:	47'-11 1/2"	23'-11 3/4"	43'-7 1/2"
MAXIMUM EXIT TRAVEL DISTANCE: (IBC 1016.2) W/ SPRINKLER			
FLOOR:	REQUIRED:	PROVIDED:	
TENANT #1:	200'	41'-8"	
TENANT #2:	200'	46'-11"	
TENANT #3:	200'	46'-11"	
TENANT #4:	200'	46'-11"	
TENANT #5:	200'	38'-11"	



REVISIONS		BY
Bidding Only		05/14/25

MICHAEL E. STANULA

31800 STATELINE RD.  
BEECHER, IL 60401

stanula.arch@gmail.com

architect

NEW 1 STORY VEH  
TENANT  
BUILDING

DATE:  
04/20/2025

SCALE:  
AS NOTED

JOB NO.  
25015

SHEET  
LS-1

22 OF 30 SHEETS





0 5 10 15 20 FT

SCALE 1/8" = 1'-0"

<b>NEW 1 STORY VENTENANT BUILDING</b>	
DATE:	04/20/2025
SCALE:	AS NOTED
JOB NO.	25015
SHEET	
<b>M-1</b>	
29	30
OF SHEETS	



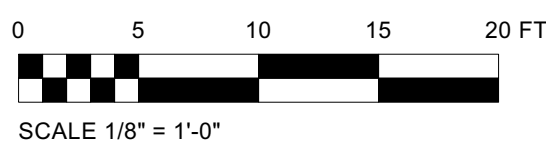
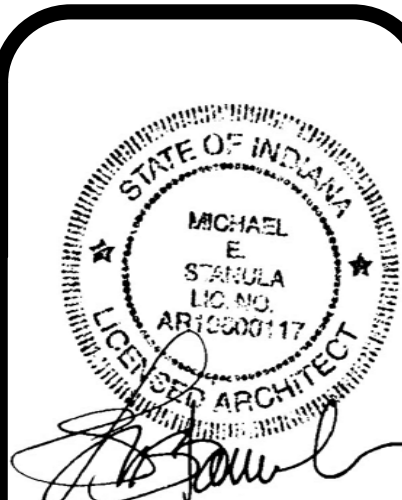
<u>GENERAL</u>	<u>INSULATION</u>																														
1. IT IS THE PURPOSE AND INTENT OF THE SPECIFICATION, NOTES, AND DRAWINGS, THAT THE CONTRACTOR SHALL FURNISH ALL LABOR AND MATERIAL NECESSARY TO PROVIDE A COMPLETE INSTALLATION OF PLUMBING FIXTURES AS INDICATED ON THE PLANS AND AS HEREINAFTER SPECIFIED COMPLETE IN MATERIALS AND FITTINGS AS MAY BE REQUIRED TO MAKE THE WORK COMPLETE FOR THE PURPOSE INTENDED.	1. PROVIDE SHUT OFF VALVES AT ALL FIXTURES.																														
2. THE DRAWINGS PERTAINING TO THE INSTALLATION GENERALLY INDICATE THE LOCATION OF EQUIPMENT AND OTHER DETAILS NECESSARY TO THE COMPLETE INSTALLATION. BIDDERS SHALL ACCQUANT THEMSELVES WITH THE WORKING CONDITIONS AND MATERIALS REQUIRED TO ENTIRELY COMPLETE THE WORK READY FOR USE.	2. PROVIDE DIELECTRIC FITTINGS WHERE COPPER TUBING JOINS FERROUS METAL.																														
3. ANY CHANGES IN THE LOCATION OF THE EQUIPMENT, ETC., FROM THOSE SHOWN ON THE DRAWINGS SHALL BE MADE WITHOUT CHARGE IF SO DIRECTED BY THE ARCHITECT/OWNER BEFORE INSTALLATION.	3. ALL WATER PIPE BELOW GRADE SHALL BE TYPE "K" HARD DRAIN COPPER.																														
4. ALL PLUMBING WORK SHALL BE PERFORMED IN A WORKABLE MANNER BY A FULLY LICENSED PLUMBER AND IN FULL ACCORDANCE WITH LOCAL, STATE, AND NATIONAL CODES AND REQUIREMENTS.	4. ALL WATER PIPE ABOVE GRADE SHALL BE TYPE "L" HARD DRAIN COPPER.																														
5. THIS CONTRACTOR SHALL OBTAIN PAY FOR ALL LICENSES, PERMITS AND INSPECTIONS FOR ALL WORK COVERED BY THE CONTRACT. ALL CERTIFICATES OF INSPECTION SHALL BE DELIVERED TO THE OWNER.	5. EACH HOT AND COLD WATER CUTTER CONNECTION SHALL HAVE A 12 INCH AIR CHAMBER.																														
6. ALL CUTTING AND PATCHING WHICH MUST BE DONE IN ORDER THAT THE PLUMBING WORK MAY BE PROPERLY INSTALLED, SHALL BE DONE BY APPROPRIATE TRADESMAN. ALL DISTURBED CONSTRUCTION, SURFACES OR FINISHES MUST BE RECONDITION OR REPAIRED TO THE ARCHITECT'S SATISFACTION AT THIS CONTRACTOR'S EXPENSE. UNDER NO CIRCUMSTANCES SHALL STRUCTURAL WORK BE CUT UPON APPROVAL OF THE ARCHITECT.	6. UTILIZE LEAD FREE SOLDER FOR ALL SOLDER JOINTS IN THE WATER DISTRIBUTION AND DWV SYSTEM.																														
7. PLUMBING CONTRACTOR SHALL VISIT SITE PRIOR TO BID AND VERIFY ALL EXISTING CONDITIONS AND PLUMBING SYSTEMS TO DETERMINE EXTENT OF WORK. ANY ITEMS NOT SPECIFICALLY INDICATED ON DRAWINGS OR SPECIFICATIONS THAT ARE IN CONFLICT WITH CONTRACT WORK SHALL BE BROUGHT TO THE ATTENTION OF ARCHITECT/ENGINEER PRIOR TO BID FOR A DECISION. NO EXTRAS WILL BE ALLOWED FOR LACK OF KNOWLEDGE OF EXISTING CONDITIONS.	7. ALL ABOVE GRADE SOIL, WASTE, STORM AND VENT PIPING SHALL BE SERVICE WEIGHT CAST IRON - ASTM A74, FITTINGS ASTM C564 COMPRESSION OR CSPI 301 HUBLESS PVC - ASTM D 2665, FITTINGS ASTM D 2949 1/2" AND SMALLER MAY BE SCH 40 GALVANIZED STEEL, WITH threaded CAST IRON DRAINAGE FITTINGS																														
8. PLUMBING CONTRACTOR SHALL COORDINATE ALL WORK WITH THE OTHER TRADES AND VERIFY DIMENSIONS AND LOCATIONS FROM THE ARCHITECTURAL DRAWINGS, FIELD MEASUREMENTS AND SUPPLIER SHOP DRAWINGS.	8. ALL UNDERGROUND SOIL, WASTE, STORM AND VENT PIPING TO 5'-0" OUTSIDE OF THE BUILDING SHALL BE SERVICE WEIGHT CAST IRON - ASTM A74, FITTINGS ASTM C564 COMPRESSION OR CSPI 301 HUBLESS PVC - ASTM D 2665, FITTINGS ASTM D 2949.																														
9. LAYOUT IS DIAGRAMMATIC AND CONTRACTOR SHALL INSTALL EQUIPMENT TO MEET THE FIELD CONDITIONS.	9. PIPING MINIMUM SLOPE: SANITARY, WASTE AND DRAIN LESS THAN 3" - 1/4" PER FOOT. SANITARY, WASTE AND DRAIN 3" AND ABOVE - 1/8" PER FOOT. STORM - 1/8" PER FOOT.																														
10. THIS CONTRACTOR IS RESPONSIBLE FOR THE CONDITION AND PROTECTION FROM DAMAGE OF HIS EQUIPMENT AND SYSTEMS. CONTRACTOR SHALL REPLACE ANY DAMAGED EQUIPMENT AT HIS EXPENSE PRIOR TO FINAL ACCEPTANCE REGARDLESS OF WHO CAUSED THE DAMAGE.	10. PIPE HANGERS FOR SUSPENDED PIPE SHALL BE ADJUSTABLE.																														
11. CONTRACTOR SHALL REMOVE ALL DEBRIS FROM JOB SITE AND LEAVE ALL WORK AND EQUIPMENT IN CLEAN WORKING CONDITION.	11. COPPER PIPE SHALL BE PROTECTED FROM DISSIMILAR METAL HANGERS.																														
12. THE PLUMBING CONTRACTOR SHALL NOTE THAT THE ELECTRICAL DESIGN AND DRAWINGS ARE BASED ON THE EQUIPMENT SCHEDULED AND SHOWN ON THESE DRAWINGS. IF THE PLUMBING CONTRACTOR SHOULD SUBMIT FOR REVIEW EQUIPMENT REQUIRING CHANGES TO THE ELECTRICAL DESIGN FOR WHICH THE ELECTRICAL CONTRACTOR WILL REQUEST AN EXTRA, THIS EXTRA WILL BE PAID BY THE PLUMBING CONTRACTOR	12. HANGERS: SWIVEL RING HANGERS - GRINNELL FIG. 69 OR EQUAL. CLAMP HANGERS - GRINNELL FIG. 260 OR EQUAL. PIPE ROLLS - GRINNELL FIG. 151 OR EQUAL. TRAPEZE HANGERS - UNISTRUP PO OR EQUAL.																														
13. ALL EQUIPMENT AND INSTALLATION SHALL COMPLY WITH THE CURRENT CODE REQUIREMENTS.	13. HANGER ROD SIZE MINIMUMS: <table border="1"> <thead> <tr> <th>PIPE SIZE</th> <th>HANGER ROD SIZE</th> </tr> </thead> <tbody> <tr> <td>3/4" AND SMALLER</td> <td>3/8"</td> </tr> <tr> <td>1-1/2" AND 3"</td> <td>1/2"</td> </tr> <tr> <td>4" AND 5"</td> <td>5/8"</td> </tr> <tr> <td>6"</td> <td>3/4"</td> </tr> <tr> <td>8" THROUGH 12"</td> <td>7/8"</td> </tr> </tbody> </table>	PIPE SIZE	HANGER ROD SIZE	3/4" AND SMALLER	3/8"	1-1/2" AND 3"	1/2"	4" AND 5"	5/8"	6"	3/4"	8" THROUGH 12"	7/8"																		
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14. CONTRACTOR SHALL THOROUGHLY SEAL WALL AND FLOOR PENETRATIONS WITH THE APPROPRIATE MATERIAL TO MEET THE FIRE RATING.	14. ALL VENTS SHALL BE A MINIMUM OF 15'-0" FROM ANY OUTDOOR AIR INTAKE.																														
15. SUBMIT SHOP DRAWINGS ON ALL EQUIPMENT AND MATERIALS.	15. PROVIDE A CLEAUNOUT AT, OR NO MORE THAN 4'-0" ABOVE THE BASE OF EACH VERTICAL WASTE, SOIL OR STORM STACK.																														
16. PREPARE AND PROVIDE OWNER WITH A SET OF 1/4" PER FOOT AS-BUILT DRAWINGS.	16. TRAP ALL DRAINS CONNECTED TO SANITARY SOIL OR WASTE SYSTEM.																														
17. FURNISH TO OWNER A SET OF OPERATION AND MAINTENANCE MANUALS FOR ALL EQUIPMENT.	17. PROVIDE CLEAUNOUTS WHETHER SHOWN OR NOT FOR THE PROPER CLEANING OF THE ENTIRE DRAINAGE SYSTEM AS DESCRIBED IN THE PLUMBING CODE.																														
18. PERFORM ALL EXCAVATING AND BACK FILLING REQUIRED FOR PLUMBING WORK.	18. ALL PLUMBING FIXTURES INCLUDING FLOOR DRAINS SHALL BE VENTED TO ATMOSPHERE.																														
	19. PROVIDE CHROME PLATED STEEL, EPOXYCOATINGS ON PIPES PASSING THROUGH WALLS, FLOORS AND CEILING OF FINISHED AREAS.																														
	20. PROVIDE CODE APPROVED FIRE STOPPING ON ALL PIPES OR EQUIPMENT PASSING THROUGH FIRE RATED ASSEMBLIES.																														
<u>WARRANTY/GUARANTEE</u>	21. PAINT ALL PIPING AND SUPPORTS EXPOSED TO THE ELEMENTS WITH A PRIME COAT AND TWO COATS OF RUSTOLEUM PAINT.																														
1. PLUMBING CONTRACTOR SHALL GUARANTEE ALL WORK FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE BY CONTRACTOR.	22. ALL EXTERIOR BURIED PIPING SHALL BE BELOW THE FROST LINE DEPTH.																														
2. ALL WARRANTIES FOR BUT NOT LIMITED TO FIXTURES, PIPING AND FAUCETS ARE TO BE HONORED BY CONTRACTOR.	23. ALL JOINTS AND CONNECTIONS SHALL BE GAS-TIGHT AND WATER-TIGHT AND FULLY COMPLY WITH THE PLUMBING CODE.																														
	24. ALL FLOOR DRAINS AND OPEN HUB DRAINS SHALL HAVE DEEP SEAL TRAPS OR AN AUTOMATIC TRAP PRIMER.																														
<u>TESTING</u>	25. GAS AND OIL INTERCEPTORS SHALL BE VENTED INDEPENDENTLY OF OTHER VENTS SYSTEMS.																														
1. ALL BACKFLOW DEVICES ARE TO BE TESTED AND CERTIFIED PRIOR TO FINAL INSPECTION OR OCCUPANCY.																															
2. A BACKFLOW TESTING OR ANY REQUIRED REPAIRS ON BACKFLOW DEVICES SHALL BE CONDUCTED BY A STATE CERTIFIED INSPECTOR.	<u>NATURAL GAS SYSTEM</u>																														
3. TEST AND SANITIZE ALL PIPING AND EQUIPMENT AS REQUIRED BY THE STATE AND LOCAL AUTHORITY AFTER RECEIVING INITIAL APPROVAL PRIOR TO CONCEALMENT.	1. PROVIDE A COMPLETE NATURAL GAS SERVICE OF ADEQUATE SIZE INCLUDING REGULATORS, SHUTOFF, VALVES, JOINTS AND END CAPS. PIPING TO BE SCHEDULE 40 BLACK STEEL, OR COPPER. ALL PIPING AND FITTINGS AND INSTALLATION SHALL BE PER THE INTERNATIONAL FLUE GAS CODE. INSPECT, TEST AND PURGE NATURAL GAS SYSTEM PER INTERNATIONAL FLUE GAS CODE.																														
<u>WATER SERVICE</u>	2. GAS PIPING LOCATED ON ROOF SHALL BE MOUNTED ON E-2 SLEEPERS. SECURE GAS PIPING TO E-2 SLEEPER WITH HORSESHOE CLAMP PER MANUFACTURERS INSTRUCTIONS. PIPING SHALL BE SUPPORTED AS FOLLOWS:																														
1. PROVIDE WATER METER(S) AS APPROVED BY THE WATER PROVIDER.	<table border="1"> <thead> <tr> <th>SIZE</th> <th>SACING OF SPACERS</th> </tr> </thead> <tbody> <tr> <td>1/2"</td> <td>EVERY 6 FEET ON CENTER</td> </tr> <tr> <td>3/4" OR 1"</td> <td>EVERY 8 FEET ON CENTER</td> </tr> <tr> <td>1-1/4" OR LARGER</td> <td>EVERY 10 FEET ON CENTER</td> </tr> </tbody> </table>	SIZE	SACING OF SPACERS	1/2"	EVERY 6 FEET ON CENTER	3/4" OR 1"	EVERY 8 FEET ON CENTER	1-1/4" OR LARGER	EVERY 10 FEET ON CENTER																						
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2. PROVIDE 1/2" CONDUNIT(S) FROM THE WATER METER(S) TO THE BUILDING ENTRANCE FOR THE REMOTE WATER READING DEVICES.	3. PROVIDE DIRT LEG, SHUTOFF, AND UNION AT CONNECTION TO EACH GAS FIXED APPLIANCE.																														
3. PROVIDE REDUCED PRESSURE ZONE BACKFLOW PREVENTIVE(S) WITH AIR GAP DRAIN PIPES TO FLOOR DRAIN.																															
4. PROVIDE AN EXTERIOR SHUTOFF VALVE AND VALVE BOX APPROVED BY THE LOCAL AUTHORITY ON THE INCOMING DOMESTIC WATER SERVICE.	4. PLUMBING CONTRACTOR SHALL INCLUDE ALL GAS PIPING AND SHALL SUBMIT FOR APPROVAL GAS PIPING PLANS SHOWING PIPING LOCATIONS AND SIZES, VALVES, HANGERS, SUPPORTS, ETC. TO VERIFY CONFORMANCE TO THE CURRENT CODE.																														
<u>PLUMBING FIXTURES</u>																															
1. FURNISH AND INSTALL PLUMBING FIXTURES SPECIFIED IN THESE DOCUMENTS.	<u>INSULATION</u>																														
2. INSTALL PLUMBING FIXTURES FURNISHED BY OTHERS.	1. TYPE A: FIBERGLASS WITH VAPOR BARRIER JACKET, JOHNS MANVILLE MICRO-LOK AP OR EQUAL. TYPE B: ELASTOMERIC FOAM WITH VAPOR BARRIER JACKET, ARMOFLEX OR ARMUFLEX OR EQUAL.																														
3. ROUGH-IN ALL REQUIRED PIPING AND MAKE FINAL CONNECTION TO ALL FIXTURES. PROVIDE ALL NECESSARY ITEMS REQUIRED TO MAKE CONNECTIONS INCLUDING TRAPS, SULLIES, STOPS, ETC.	<table border="1"> <thead> <tr> <th>SERVICE</th> <th>TYPE</th> <th>INSULATION THICKNESS</th> </tr> </thead> <tbody> <tr> <td>COLD WATER UP TO 2"</td> <td>A OR B</td> <td>1/2"</td> </tr> <tr> <td>COLD WATER OVER 2"</td> <td>A</td> <td>1"</td> </tr> <tr> <td>HOT WATER UP TO 1"</td> <td>A OR B</td> <td>1/2"</td> </tr> <tr> <td>HOT WATER 1"-1/4" TO 2"</td> <td>B</td> <td>1"</td> </tr> <tr> <td>HOT WATER OVER 2"</td> <td>A</td> <td>1-1/2"</td> </tr> <tr> <td>HOT WATER RETURN ALL SIZES</td> <td>A</td> <td>1"</td> </tr> <tr> <td>STORM HORIZONTAL, ALL SIZES</td> <td>A</td> <td>1/2"</td> </tr> <tr> <td>STORM VERTICAL, ALL SIZES</td> <td>A</td> <td>1/2"</td> </tr> <tr> <td>STORM ROOF DRAIN BOODIES</td> <td>A</td> <td>1/2"</td> </tr> </tbody> </table>	SERVICE	TYPE	INSULATION THICKNESS	COLD WATER UP TO 2"	A OR B	1/2"	COLD WATER OVER 2"	A	1"	HOT WATER UP TO 1"	A OR B	1/2"	HOT WATER 1"-1/4" TO 2"	B	1"	HOT WATER OVER 2"	A	1-1/2"	HOT WATER RETURN ALL SIZES	A	1"	STORM HORIZONTAL, ALL SIZES	A	1/2"	STORM VERTICAL, ALL SIZES	A	1/2"	STORM ROOF DRAIN BOODIES	A	1/2"
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4. ALL HANDICAPPED ACCESSIBLE FIXTURES SHALL BE INSTALLED IN COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT.	2. INSULATE ALL FITTINGS AND VALVES FOR THE ABOVE LISTED SERVICES.																														
5. FIXTURES SHALL BE INSTALLED LEVEL, AND PLUMED AND SECURELY FASTENED TO WALLS, FLOORS, COUNTERTOPS OR CARRIERS.	3. ALL INSULATION MATERIALS, JACKETS, ADHESIVES AND SEALERS SHALL HAVE A FLAME SPREAD OF NOT MORE THAN 25 AND A SMOKE DEVELOP RATING OF NOT MORE THAN 450 WHEN TESTED IN ACCORDANCE WITH ASTM E84, NFPA 255 AND UL 723.																														
6. ALL FIXTURES WITH GHS CONNECTIONS SHALL BE EQUIPPED WITH A CODE APPROVED ANTI-SIPHON DEVICE.	4. PROVIDE A.D.A. APPROVED WRAPPING SEAL SYSTEM AT GC DESIGNATED FIXTURES.																														
7. CAULK BETWEEN ALL FIXTURES AND WALLS WITH WHITE SILICON SEALANT, DOW N 786 OR EQUAL.																															
8. FURNISH AND INSTALL ALL REQUIRED POWER TRANSFORMERS AND NON-Power WIRING FOR ELECTRIC FAUCETS AND FLUSH																															

ET1	EXPANSION TANK - WATER (R2-12, 5 GALLON TANK VOLUME, 3/4" GALLON ACCEPTANCE VOLUME, 3/4" NPT CONNECTION, FIXED BUTYL BLADDER, CHARGE ON-SITE TO REQUIRED PRESSURE, 28 LBS.
EW1	ELECTRIC WATER COOLER - ELKAY®EWC100, TWO LEVEL, BARRIER FREE, WANDAL RESISTANT, PUSH-BUTTON OPERATED STAINLESS STEEL CABINET, HIGHER UNIT ON LEFT. PROVIDES 8 GPM AT 50°F IN 90°F AMBIENT, 1200/19H/60HZ. INSTALL FOR DURA-COAT COMPLIANCE.
FD1	FLOOR CLEAN OUT - ZURN ZN14444 WITH DURA-COATED CAST IRON BODY, GAS & WATER TIGHT ASB TAPERED THRU TOP, POLISHED NICKEL BRONZE ACCESS COVER & FRAME.
FD1	FLOOR CLEAN DRUM - ZURN ZN41-58, 6" TYPE "B" ROUND ADJUSTABLE LIGHT DUTY NICKEL BRONZE STRAINER TOP WITH SQUARE HOLE PROOF OPENINGS, CAST IRON BODY ASSEMBLY WITH 4" BOTTOM OUTLET. ZURN ZN1000 DEEP SEAL TAP.
GB1	GUY GRAY BOX - MODEL #88200TS FOR 2" DRAIN WITH FITTINGS AND VALVES, TOP SUPPLY.
GCO	GRADE CLEAN OUT - ZURN ZB1400, LEVEL-TOP, ADJUSTABLE CLEANOUT, DURA-COATED CAST IRON BODY, GAS & WATER TIGHT ASB TAPERED THRU TOP, ROUND SCORED ACCESS COVER WITH FRAME.
L1	LAUNDRY TAP - FLORESTONE® POLY TAP KIT UTILITY SINK, 22-3/4"x25-1/4"x32", 20 GALLON CAPACITY, 1-1/2" DRAIN OPENING, AMERICAN STANDARD "COLONY" SOFT #2475.500, CENTERSET LAUNDRY SINK FAUCET, QUARTER TURN METAL WASHERS/LESS CERAMIC GASKETS (SEE VALVE CATALOGUE, MOUNTS ON 2 FAUCET HOLES ON 4" CENTERS, MOUNTS 1-1/2" CHROME PLATED CUP SPREADER SWEAT x 1/2" O.D. COMPRESSION RING WITH FLEXIBLE SUPPLY WITH WHEEL HANDLE ANGLE STOPS, MOUNTS #8904, 1-1/2"x2" CHROME PLATED CAST BRASS BODY P-TAP WITH CLEANOUT.
LV1	LAUNDRY - AMERICAN STANDARD "COLONY" #8114-444, 21"W x 17-1/2"H, COUNTER MOUNTED, VITREOUS CHINA, 3/4" NPT RIGHT, FRONT OVERFLOW, FAUCET HOLES ON 4" CENTERS, AMERICAN STANDARD "WINTERFEST" #5971.170, CENTERSET LAUNDRY FAUCET, COINDECKED SPOUT, WRISTBABLE HANDLES, GRAB STRAINER DRAIN, WASHERS/LESS CERAMIC GASKETS SEE VALVE CATALOGUE, MOUNTS ON 4" CENTERS, MOUNTS #170, 1-1/2" CHROME PLATED SWEAT SPLY x 3/8" O.D. COMPRESSION CHROME PLATED FLEXIBLE SUPPLY WITH WHEEL HANDLE ANGLE STOPS, MOUNTS #8902, 1-1/4"x1-1/2" CHROME PLATED CAST BRASS BODY P-TAP WITH CLEANOUT, TREBUCAIR LUB GLUARD 2 UNDERDRINK PIPING CODES, POWERS HYDROGUARD 1/P SERIES #8400, UNDER-THE-COUNTER TEMPERING VALVE, SET TO 105°F, INSTALL FOR DURA-COAT COMPLIANCE.
RP21	DOMESTIC WATER REDUCED PRESSURE ZONE BACKFLOW PREVENTER - MATTS SERIES #9900T-5, 1-1/2" WITH QUARTER-TURN FULL PORT BALL VALVES, BRONZE STRAINER, COMPLETE WITH WATTS #AC-C AR CAP.
RP22	DOMESTIC WATER REDUCED PRESSURE ZONE BACKFLOW PREVENTER - MATTS SERIES #9900T-5, 1" WITH QUARTER-TURN FULL PORT BALL VALVES, BRONZE STRAINER, COMPLETE WITH WATTS #AC-C AR CAP.
RP23	DOMESTIC WATER REDUCED PRESSURE ZONE BACKFLOW PREVENTER - MATTS SERIES #9900T-5, 1" WITH QUARTER-TURN FULL PORT BALL VALVES, BRONZE STRAINER, COMPLETE WITH WATTS #AC-C AR CAP.
SC1	SHILL COCK - ZURN ZB1310, EXPOSED ECOCOLATOR, ANTI-SIPHON AUTOMATIC DRAINING WALL HYDRANT, COMPLETE WITH NON-FREEZE TYPE INTEGRAL BACKFLOW PREVENTER, BRONZE CHINA, ALL BRONZE INTERIOR PARTS, NON-TURNING OPERATION WITH FLOOD FLOATING COMPRESSION VALVE, REPLACEABLE BRONZE SEAT AND SEAT WASHER, COMBINATION 3/4" FEMALE IR 1" MALE NUT, STAINLESS STEEL FACE WITH OPERATING KEY.
SH1	BUILT-IN SHOWER - ENCLOSURE BY OTHERS, BROOKLYN®H300-ND-JST-SF, EQUA-FLO HD PRESSURE BALANCING VALVE, AIR METERING VALVE, DELUXE SHOWERHEAD WITH BALL JOINT, HAND HELD SHOWER SPRAY WITH BRACKET, 1/2" NPT STAINLESS STEEL, HOSE TO BE 60" WITH ELVATED LINE BACKFLOW PREVENTER & QUICK DISCONNECT, 18 GAUGE S.S. WALL-MOUNTED L-SHAPED GRAB BAR SYSTEM, MOLDED PLASTIC SHOWER FILING SEAT, HEAVY-DUTY SHOWER CURTAIN ROD, FLANGES & HANG-CAUSE WITH CLIP WITH HOOKS, ZURN ZN4504, DEEP SEAL TAP SHOWER DRAIN, DURA-COATED CAST IRON BODY WITH UNIFORM DRAINAGE, 4" SIDE OUTLET, SEEPAGE PAN, ADJUSTABLE 5" TYPE "B" POLISHED NICKEL BRONZE STRAINER, INSTALL FOR DURA-COAT COMPLIANCE.
SH2	BUILT-IN SHOWER - ENCLOSURE BY OTHERS, BROOKLYN®H10-ND-SF-DV-AST, EQUA-FLO HD PRESSURE BALANCING VALVE, AIR METERING VALVE, DELUXE SHOWERHEAD WITH BALL JOINT, NUT-WALL DRAINER VALVE, ZURN ZN4538, DEEP SEAL TAP SHOWER DRAIN, DURA-COATED CAST IRON BODY WITH UNIFORM DRAINAGE INTEGRAL TAP, 4" SIDE OUTLET, SEEPAGE PAN, ADJUSTABLE 5" TYPE "B" POLISHED NICKEL BRONZE STRAINER.
UR1	URINAL - AMERICAN STANDARD "WASHROOM" #6501.010, VITREOUS CHINA, 1.0 GPM, 3/4" TOP SPD, 15-1/4" RWI RIGHT, STAINLESS STEEL STRAINER #A0708-0070A, ZURN ZB003M-W61 AQUAVENTAGE FLUSH VALVE, INSTALL FOR DURA-COAT COMPLIANCE.
WC0	WALL CLEAN OUT - ZURN ZN14411 WITH DURA-COATED CAST IRON BODY, GAS & WATER TIGHT ASB TAPERED THRU TOP, ROUND SMOOTH STAINLESS STEEL WALL ACCESS COVER WITH SECURING SCREW.
WC1	WATER CLOSURE - AMERICAN STANDARD "CLOSET" 3" #2386.012, FLOOR MOUNTED, VITREOUS CHINA, EXPOSED ANTI-MICROBIAL CERAMIC GLAZE, 16-1/2" RWI RIGHT, ELONGATED SIPHON ACTION JETTED BOWL, 12" ROUGH-IN, 1.8 GPM, #3014106 ELONGATED BOWL, #24031.016 TANK, OLSONITE 895C OPEN FRONT STRAIN LESS COVER, MOUNTS #172, 1-1/2" CHROME PLATED CUP SPREADER SWEAT x 3/8" O.D. COMPRESSION CHROME PLATED FLEXIBLE SUPPLY WITH WHEEL HANDLE ANGLE STOP, INSTALL FOR DURA-COAT COMPLIANCE.
WC2	WATER CLOSURE - AMERICAN STANDARD "CLOSET" 3" #2386.012, FLOOR MOUNTED, VITREOUS CHINA, EXPOSED ANTI-MICROBIAL CERAMIC GLAZE, 16-1/2" RWI RIGHT, ELONGATED SIPHON ACTION JETTED BOWL, 12" ROUGH-IN, 1.8 GPM, #3014106 ELONGATED BOWL, #24031.016 TANK, OLSONITE 895C OPEN FRONT STRAIN LESS COVER, MOUNTS #172, 1-1/2" CHROME PLATED CUP SPREADER SWEAT x 3/8" O.D. COMPRESSION CHROME PLATED FLEXIBLE SUPPLY WITH WHEEL HANDLE ANGLE STOP, INSTALL FOR DURA-COAT COMPLIANCE.
WH1	WATER HEATER - A.O. SMITH "CYCLONE X" #B7H-120, 120,000 BTU, 60 GALLON CAPACITY, 154 CUMH AT 80°F RISE, 96% THERMAL EFFICIENCY, SEALED COMBUSTION POWER DIRECT VENTING, 500 LBS LESS WATER



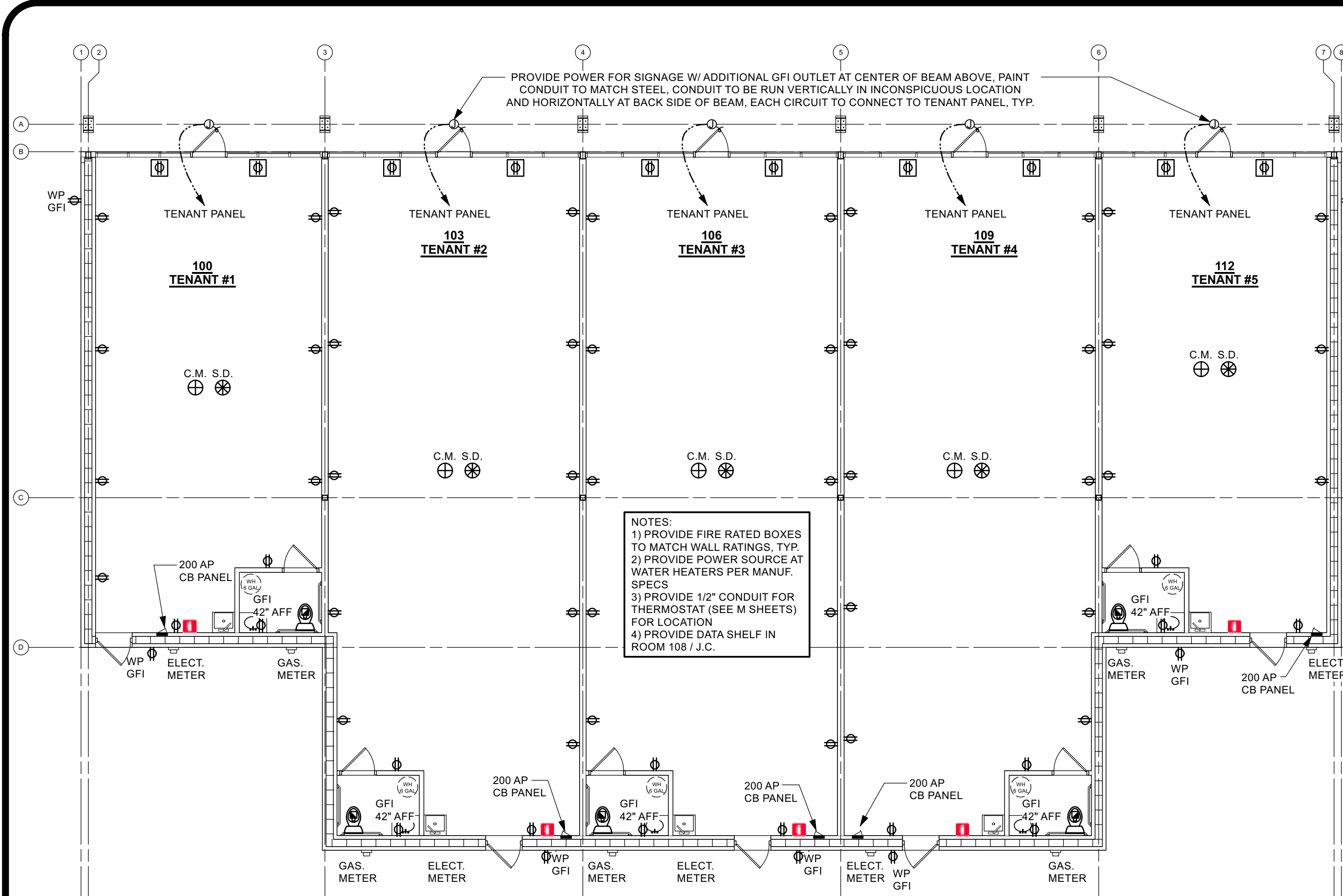
TOILETS MAY BE WALL-HUNG OR PEDESTAL  
STYLE. THE HEIGHT MUST BE BETWEEN 17" &  
19" MEASURED FROM THE FLOOR TO THE TOP  
OF THE TOILET SEAT.

- PROVIDE 3/4" PLYWOOD BEHIND ALL GRAB BARS & TOILET ACCESSORIES

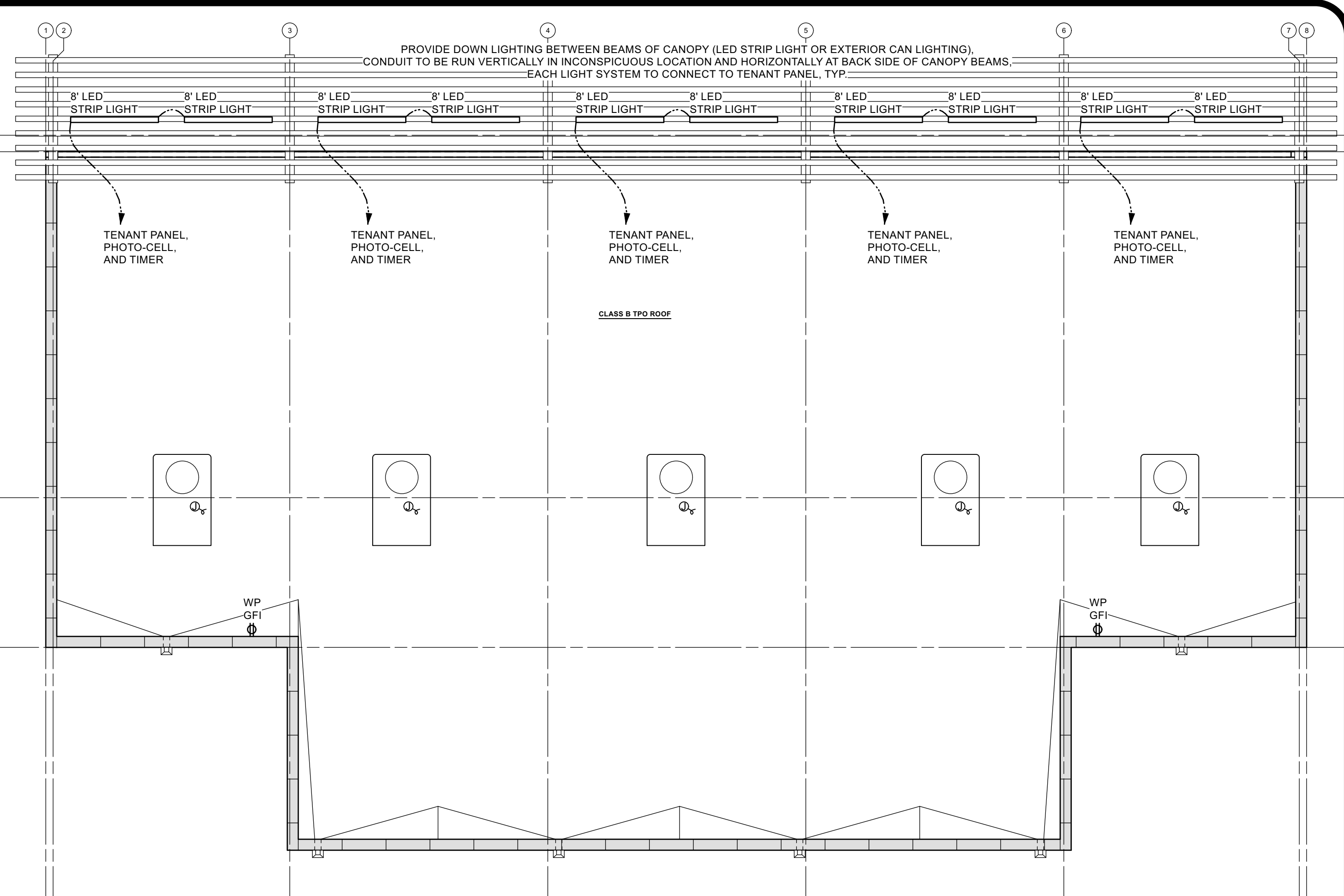
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NEW 1 STORY V	
TENANT BUILDING	
DATE:	04/20/2025
SCALE:	AS NOTED
JOB NO.	25015
SHEET	
P-1	
30	30 SHEETS

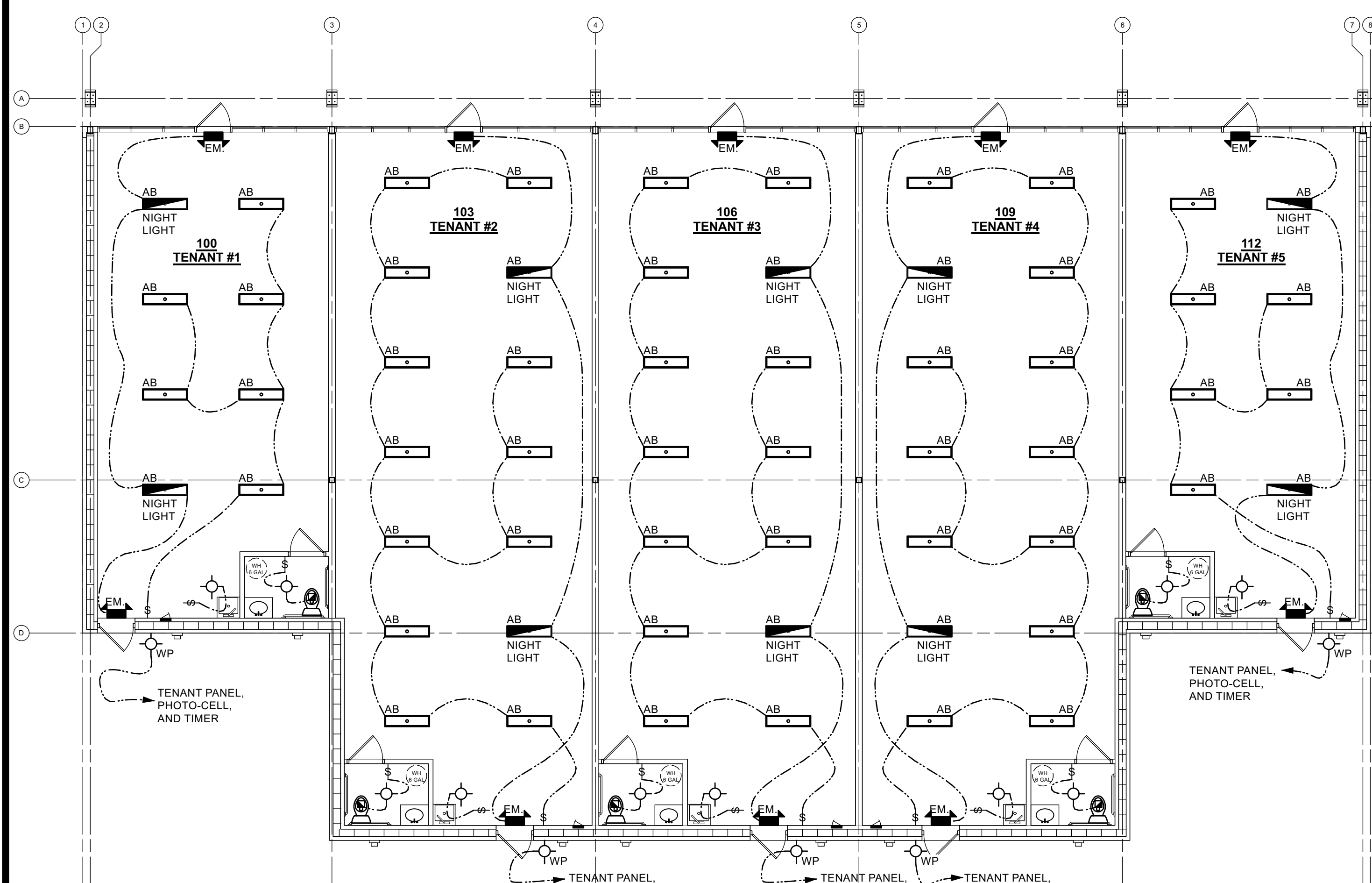




**1ST FLOOR POWER PLAN**  
SCALE: 1/8" = 1'-0"



**ROOF ELECTRICAL PLAN**  
SCALE: 1/8" = 1'-0"



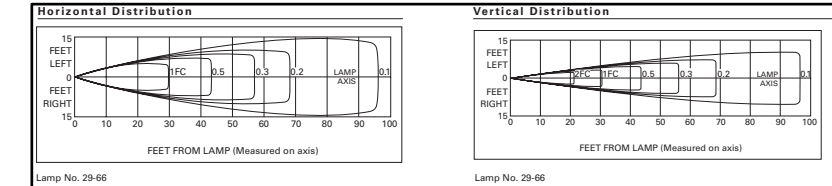
**1ST FLOOR LIGHTING PLAN**  
SCALE: 1/8" = 1'-0"

**ELECTRICAL LEGEND**

- ⊕ DUPLEX OUTLET
- ⊕ HALF SWITCHED OUTLET
- ⊕ GROUND FAULT INTERRUPTER DUPLEX OUTLET
- ⊕ WEATHER PROOF & GFI DUPLEX OUTLET
- ⊕ QUAD OUTLET
- ⊕ FLOOR MOUNTED DUPLEX OUTLET
- ⊕ SPECIALTY OUTLET
- ⊕ 44" WALL SWITCH
- ⊕ PHONE
- ⊕ DATA, NUMBER OF CIRCUITS
- ⊕ EXHAUST FAN
- ⊕ EXHAUST FAN WITH LIGHT FIXTURE
- ⊕ DOOR RELEASE/INTERCOM/CHIME
- ⊕ 110V SMOKE DETECTOR
- ⊕ CARBON MONOXIDE DETECTOR W/ BATT. BACKUP
- ⊕ WALL MTD LED (SCONCE)
- ⊕ FOUR WAY SWITCH
- ⊕ THREE WAY SWITCH
- ⊕ TRACK LIGHT FIXTURE
- ⊕ SUSPENDED LED LIGHT FIXTURE
- ⊕ 2X2 / 2X4 / 1X4 CEILING GRID LED LIGHT FIXTURE
- ⊕ CABLE TV
- ⊕ THERMOSTAT
- ⊕ CEILING MTD LED LIGHT
- ⊕ RECESS LED LIGHT FIXTURE
- ⊕ UNDER CABINET LIGHTS
- ⊕ EMERGENCY BATTERY LIGHTS MODEL # XR6-C "SURE LITE"
- ⊕ FIRE EXTINGUISHER AB/C W/ RECESSED CABINET

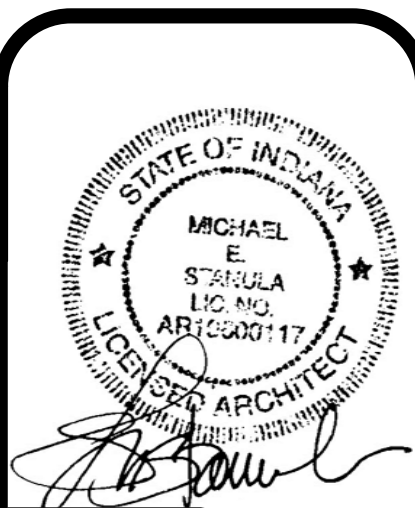
**EMERGENCY FIXTURE LEGEND**

COOPER LIGHTING - SURE-LITES			
MODEL #	LAMP	QTY.	WATTS
CHX71	LED #29-66	1	3-watts ea.
CHX71AR	LED #29-66	1	3-watts ea.
CHX71AL	LED #29-66	2	3-watts ea.
CXH72ARL	LED #29-66	3	3-watts ea.



**NOTES:**  
1) SEE SHT E-2 FOR ELECTRICAL NOTES AND SCHEDULES  
2) LIGHT SWITCHES, THERMOSTAT CONTROLS AND OTHER ENVIRONMENTAL CONTROLS TO BE IN ACCESSIBLE LOCATIONS AT ACCESSIBLE HEIGHTS (44"-48" AFF TO TOP) OUTLET RECEPTACLES TO BE MOUNTED 15" AFF TO BOTTOM

REVISIONS	BY
Bidding Only	05/14/25



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