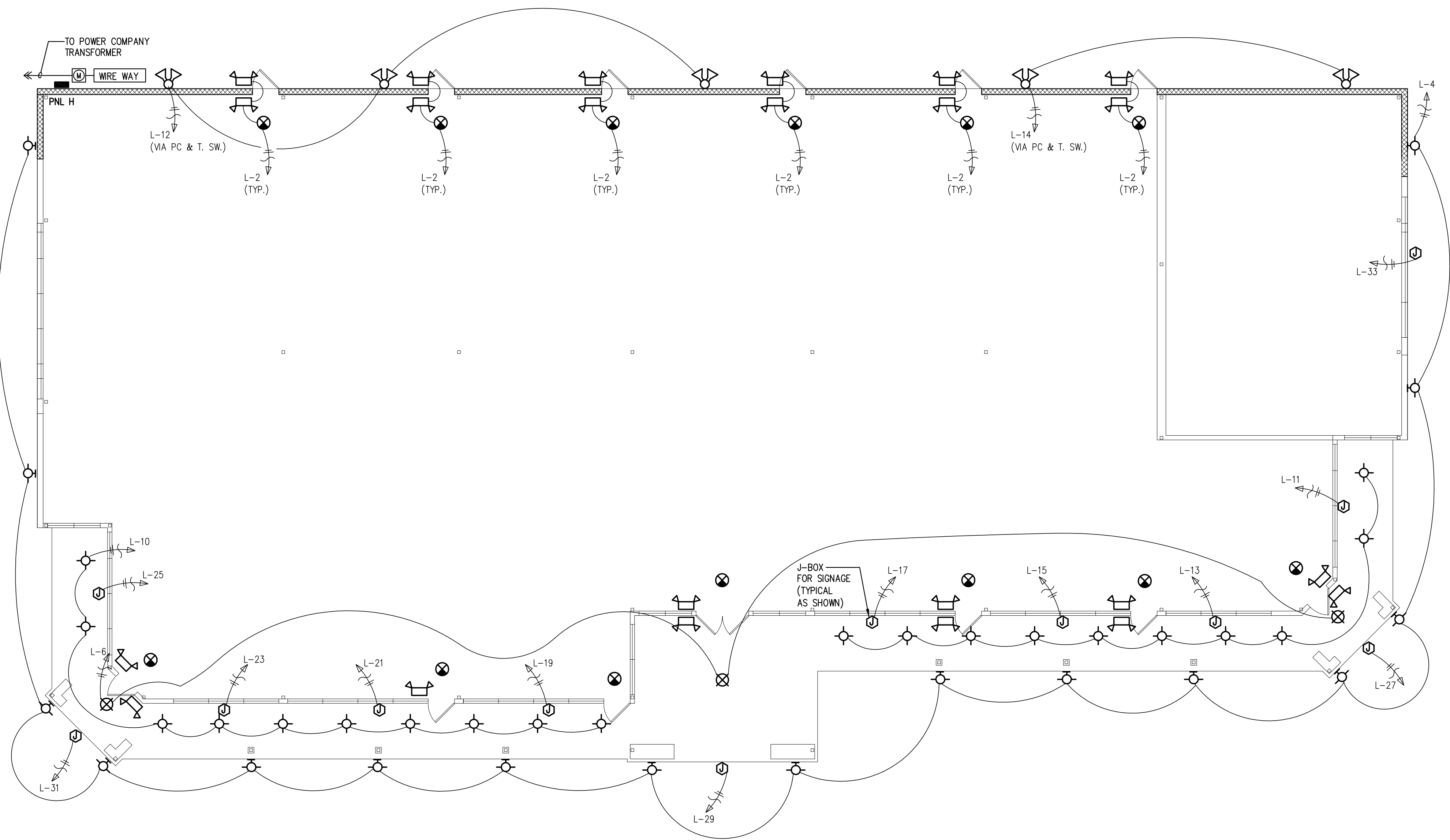


RE: RISER DIAGRAM ON SHEET E1.2



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

ALL EMERGENCY & EXIT LIGHTS TO CIRCUIT L-2.

ELECTRIC LOAD ANALYSIS

- LIGHTING LOAD AS PER N.E.C. 2005, ART. 220.12
11,116 S.F. x 3 x 1.25 = 41,685 VA
 - HVAC LOAD AT 100% = 100,045
 - RECEPTACLE LOAD 11,116 S.F. x 2 = 22,232
 - HOT WATER HEATER 4,500x6 = 27,000
 - ENTRY SIGNES 12 x 1200 = 14,400
 - 25% OF LARGEST MOTOR = 2,500
- TOTAL LOAD = 207,862 VA
- AT 208 V, 3Ø → 577 AMPS
SERVICE CAPACITY IS GOOD FOR 1260 AMPS

SHORT CIRCUIT CURRENT

TRANSFORMER IS 200 KVA WITH 5% IMPEDANCE

FULL LOAD AMPS = $\frac{200 \times 1000}{208 \times \sqrt{3}} = 556$ AMPS

ISC AT LOAD SIDE = $\frac{556 \times 100}{5} = 11,112$ AMPS SYMM.

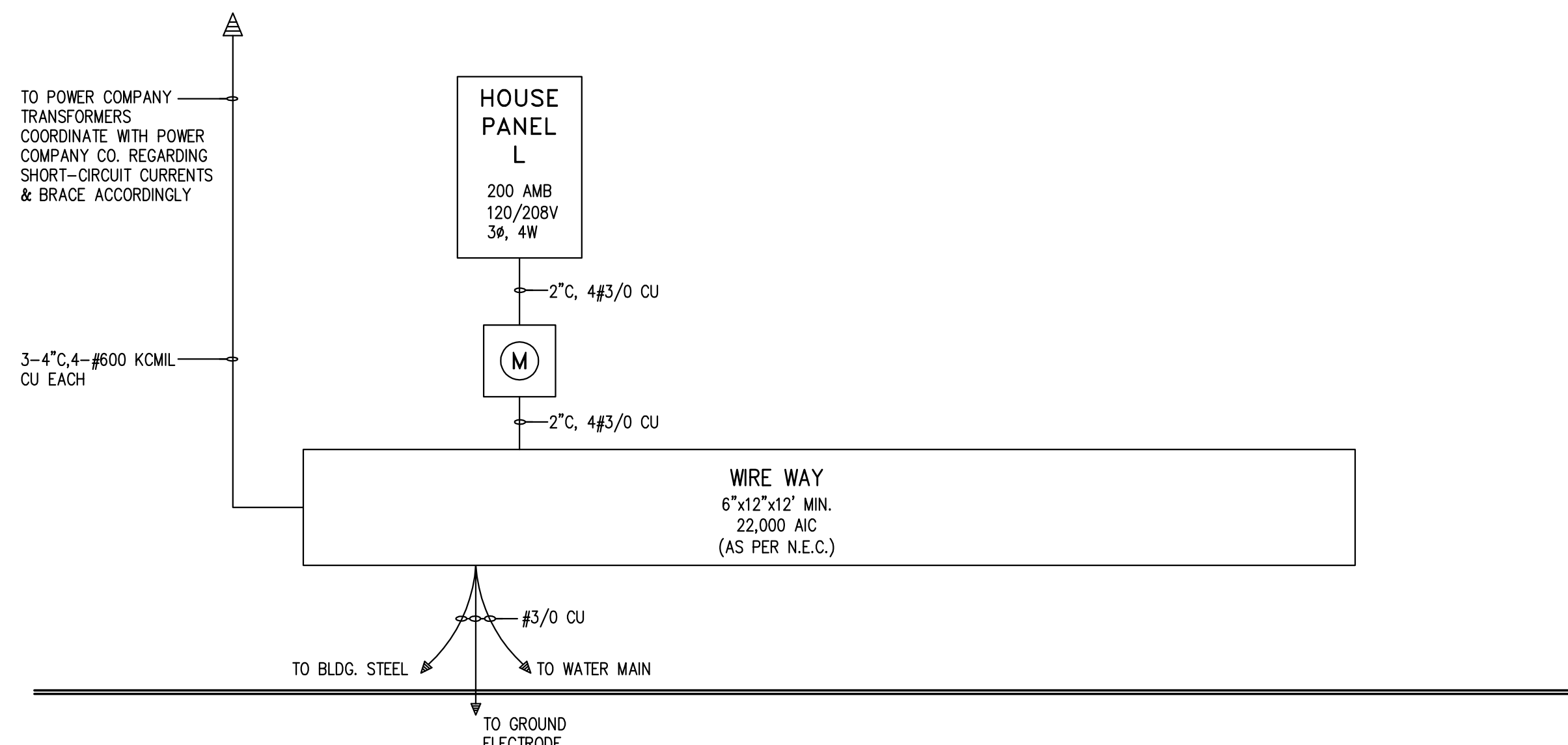
ALL PANELS HAVE 14,000 AIC & GUTTER HAVE 22,000 AIC

ELECTRICAL LEGEND

- SCORCE LIGHT 86W,120V
- 40W,120V MINICAN RECESSED LIGHT
- RECESSED CAN LIGHT 46W,120V
- HF SMALL HANGING FIXTURE 46W,120V
- HF LARGE HANGING FIXTURE 2-46W,120V
- SURFACE MOUNT CEILING LIGHT 46W,120V
- WALL MOUNT LIGHT 46W,120V
- EYEBALL SPOT RECESSED LIGHT 46W,120V
- TRACK LIGHTING
- 2x2 FLUORESCENT LIGHT 2 LAMP 32W,120V
- 2x4 FLUORESCENT LIGHT 4 LAMP 32W,120V
- PC PORCELAIN LIGHT FIXT. WITH PULL CHORD
- MS MOTION SENSOR
- FLOOD LIGHT 2-175W
- SMOKE DETECTOR AC/DC 110V W/ BATTERY BACKUP AND INTERCONNECTED
- TELEVISION ANTENNA
- TELEPHONE OUTLET
- FLOOR TELEPHONE OUTLET
- DATA PORT
- JUNCTION BOX
- THERMOSTAT
- CHIMES
- A/V AUDIO VISUAL ALARM
- EMERGENCY LIGHT, 2-26W, 120V W/ 1/2 HOUR BATTERY BACKUP
- EMERGENCY EXIT LIGHT, 1-26W, 120V W/ 1/2 HOUR BATTERY BACKUP
- EXHAUST VENT
- CEILING FAN 150W,120V
- CEILING FAN WITH LIGHT 250W,120V
- UNDER UPPER CABINET FLOOR. STRIP LIGHT
- 110 v FLOOR OUTLET
- 110 v AT CEILING
- 110 v OUTLET
- 110 v QUAD OUTLET
- 220 v OUTLET
- 110 v WATERPROOF G.F.I. OUTLET
- 110 v GROUND FAULT INTERRUPTER OUTLET
- SINGLE POLE SWITCH
- THREE WAY SWITCH
- FOUR WAY SWITCH
- DIMMER SWITCH
- THREE WAY DIMMER SWITCH
- TIMER SWITCH
- MOTION SENSOR
- PUSH BUTTON
- HEAT LAMP
- VENT / LIGHT
- DISCONNECT
- BUILDING FLOOD LIGHT ON ELECTRICAL EYE

PLAN NOTES

- MAXIMUM LOADING OF 1800 WATTS PER 20 A, 1P, 120V CIRCUIT.
- COORDINATE LOCATION OF AHUS WITH MECHANICAL SUBCONTRACTOR AND FOLLOW EQUIPMENT SUPPLIERS RECOMMENDATIONS BEFORE FINAL CONNECTIONS.
- ALL RECEPTACLES INPATIENT CARE AREAS SHALL BE GROUNDED BY AN INSULATED COPPER CONDUCTOR. AS PER N.E.C. ART. 517.13 (A) & (B) AND ARTICLE 517.3.

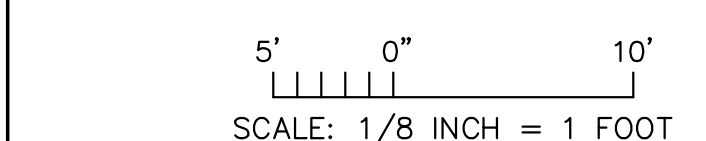


GROUNDING AS PER N.E.C. 2002 ART. 250.50
BONDING AS PER N.E.C. 2002 ART. 250.90

ELECTRICAL RISER DIAGRAM

NOT TO SCALE

HOUSE PANEL L									
BUS AMPS _____									
MAIN BRKR AMPS: 200 WIRE SIZE 3#3/0 CU									
VOLTS 120/208 AIC 14,000									
PHASE 3 WIRE 4									
NOTES									
1. ALL BRKS TO BE IP/20A U.N.O.									
2. BALANCE ALL LOADS									
CRT. DESCRIPTION	WATT LOAD	WIRE	BRKR	1	2	3	4	5	6
WATER PROOF JUNCTION BOX	2000	#10	30A,2P	1	2				
WATER PROOF JUNCTION BOX	1500	#10		3	4				
SPARE				5	6				
SPARE				7	8				
SIGN VIA PHOTO CELL	1200	#12		9	10				
SIGN VIA PHOTO CELL	1200	#12		11	12				
SIGN VIA PHOTO CELL	1200	#12		13	14				
SIGN VIA PHOTO CELL	1200	#12		15	16				
SIGN VIA PHOTO CELL	1200	#12		17	18				
SIGN VIA PHOTO CELL	1200	#12		19	20				
SIGN VIA PHOTO CELL	1200	#12		21	22				
SIGN VIA PHOTO CELL	1200	#12		23	24				
SIGN VIA PHOTO CELL	1200	#12		25	26				
SIGN VIA PHOTO CELL	1200	#12		27	28				
SIGN VIA PHOTO CELL	1200	#12		29	30				
SIGN VIA PHOTO CELL	1200	#12		31	32				
SIGN VIA PHOTO CELL	1200	#12		33	34				
SPACE				35	36				
SPACE				37	38				
SPACE				39	40				
SPACE				41	42				
TOTAL LOAD AT 100% = 25,808 VA									
AT 208V, 3Ø → 72 AMPS PANEL CAPACITY IS 200 AMPS									



ISSUE HISTORY		REVISIONS	
DATE	ISSUED FOR	DATE	DESCRIPTION
07/25/07	PERMIT	12/10/07	REVISED HOUSE PANEL L
	BIDDING		
	CONSTRUCTION		

THE INTERFIELD GROUP
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MILAGRO BUILDING COMPANY
PROPOSED NEW RETAIL CENTER
AIRLINE DRIVE @ 28TH STREET
HOUSTON, TEXAS

LIGHTING PLAN

DRAWN BY: RT DATE: 07/16/07 SHEET: **E1.1** OF: 2

CHECKED BY: MFG PROJ. NO.: 07038.10

OUTLINE SPECIFICATIONS: ELECTRICAL SYSTEM

GENERAL

- ALL ELECTRICAL WORK SHALL BE IN COMPLIANCE WITH:
 - THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE (NEC)
 - LOCAL CODES & ORDINANCES
 - OWNER'S SPECIFICATIONS
 - STANDARDS, INSTRUCTIONS & SPECIFICATIONS OF THE LOCAL UTILITY COMPANY.
- PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED TO EXECUTE WORK ON THE DRAWINGS AND SPECIFICATIONS, AND AS REQUIRED FOR A COMPLETE SYSTEM.
- THIS WORK INCLUDES, BUT IS NOT LIMITED TO:
 - ELECTRICAL SERVICE AND DISTRIBUTION SYSTEMS.
 - PANEL BOARDS & DISCONNECT SWITCHES,
 - LIGHTING FIXTURES,
 - POWER AND CONTROL WIRING WITH FINAL CONNECTIONS TO ALL EQUIPMENT.
- ELECTRICAL CONTRACTOR SHALL VERIFY:
 - TYPE OF POWER SERVICE REQUIREMENTS, SYSTEMS VOLTAGE RATING (I.E. 208/120VOR 3Ø) AND MAXIMUM SHORT CIRCUIT CURRENT WITH POWER COMPANY PRIOR TO SUBMITTING A PROPOSAL.
 - TYPE OF TELEPHONE SERVICE AVAILABLE PRIOR TO SUBMITTING A PROPOSAL.
 - METERING, IN ACCORDANCE WITH LOCAL UTILITY COMPANY REQUIREMENTS, FOR "GENERAL SERVICE" SCHEDULE.
- ELECTRICAL CONTRACTOR SHALL PROVIDE:
 - 3-PHASE 4-WIRE 120/208V WYE SERVICE. CHECK SYSTEM VOLTAGE AT SERVICE END CONNECTION.
 - LABELS 3/16 INCH HIGH, ON ALL PANEL BOARDS AND BRANCH CIRCUITS.

INSTALLATION

- CONTRACTOR SHALL FURNISH AND INSTALL ALL REQUIRED ELECTRICAL CONDUIT AND WIRING FOR ALL MOTORS, STARTERS AND ELECTRICAL CONTROLS, AND SHALL MAKE ALL LOW VOLTAGE ELECTRICAL CONNECTIONS AS REQUIRED FOR HVAC SYSTEMS.
- CONTRACTOR SHALL COMPLETE THE CONNECTIONS TO ALL RECEPTACLES, COUNTERS, AND FINAL CONNECTIONS TO ALL FIXTURES AFTER FIXTURES ARE IN PLACE.
- VERIFY EXACT LOCATION OF ALL SIGNS WITH OWNER'S REPRESENTATIVE. FURNISH AND INSTALL ALL CONDUITS AND WIRES WITH STUB-UPS AS DIRECTED BY OWNER.
- WIRING:**
 - ALL WORK SHALL BE COMPLETED IN A NEAT AND WORKMAN-LIKE MANNER.
 - ALL WIRING SHALL BE RUN IN APPROVED METALLIC RACEWAY OR CONDUIT AND SHALL BE UNIFORMLY COLOR-CODED THROUGHOUT THE ENTIRE SYSTEM. SPLICES, TAPS, AND TERMINALS SHALL BE MADE ONLY IN "J" BOXES, OUTLETS AND PANEL BOARDS.
- ALL CONDUCTORS SHALL BE COPPER WITH A MINIMUM WIRE SIZE OF STRANDED #12 AWG THHN/THWN(CU). ALUMINUM CONDUCTORS SHALL NOT BE USED. CONTRACTOR SHALL ENSURE THAT THE CONDUCTORS UTILIZED ARE IN KEEPING WITH GOOD PRACTICE FOR THE CIRCUIT/PROTECTIVE DEVICES EMPLOYED. THE NEUTRAL CONDUCTOR (WHERE USED) SHALL HAVE THE SAME AMPACITY AS THE ASSOCIATED PHASE CONDUCTORS (I.E. NEUTRAL REDUCTION SHALL NOT BE PERMITTED).
- CONTRACTOR SHALL ENSURE THAT CIRCUIT AMPACITY AND SHORT CIRCUIT/OVERLOAD PROTECTION ARE APPROPRIATE FOR THE EQUIPMENT BEING INSTALLED. UL LISTING CONDITIONS SHALL BE OBSERVED.
- ALL FUSES SERVING MOTOR LOADS SHALL BE OF THE DUAL-ELEMENT TYPE.
- DUE TO DIFFERENT INTERRUPTING CHARACTERISTICS, PANELBOARD CIRCUIT BREAKERS MAY BE RATED HIGHER THAN THE DUAL ELEMENT FUSES THEY SUPPLY, TO ENSURE SUFFICIENT STARTING CURRENT.
- CONDUCTORS SHALL BE SELECTED SUCH THAT THE MAXIMUM VOLTAGE DROP BETWEEN THE PANELBOARD AND LOAD (AT FULL LOAD AMPS) SHALL NOT EXCEED THE FOLLOWING GUIDELINES:
 - MOTOR LOADS (AIR CONDITIONING, REFRIGERATION, ETC.): 2% OF CIRCUIT VOLTAGE AT PANELBOARD.
 - ALL OTHER LOADS: 5% OF CIRCUIT VOLTAGE AT PANELBOARD.

TESTING AND INSPECTION

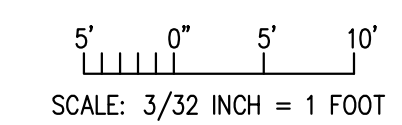
- TESTING
 - ELECTRICAL CONTRACTOR SHALL TEST, PRIOR TO ENERGIZING FOR THE FIRST TIME, ALL PIECES OF ELECTRICAL EQUIPMENT TO ENSURE THEM TO HAVE THE PROPER PHASE-TO-PHASE AND PHASE-TO-GROUND INSULATION AND TO BE FREE OF SHORTS. AFTER ENERGIZING, EACH LUMINAIRE SHALL BE LIGHTED AND TESTED.
 - THE VARIOUS CIRCUITS SERVED FROM THE PANELBOARDS VARY IN LOADING. THE CONTRACTOR SHALL CAREFULLY BALANCE THE LOAD ON EACH LEG OF THE SERVICE. WHEN ALL LOAD IS TURNED ON AND THE SYSTEM IS OPERATING AT 100%, THE INITIAL UNBALANCE SHALL NOT EXCEED 10%.
- INSPECTION:
 - ELECTRICAL CONTRACTOR SHALL FURNISH AT THE COMPLETION OF THE PROJECT OR EACH INSPECTION POINT OF THE PROJECT, AN INTERMEDIATE OR FINAL INSPECTION CERTIFICATE FROM THE LOCAL INSPECTING AUTHORITY. OWNER AND/OR HIS REPRESENTATIVE SHOULD BE PRESENT AT THE TIME OF TESTING. OWNER SHOULD BE INFORMED AT LEAST 48 HRS. BEFORE THE STARTING AT TESTING AND INSPECTION.

GUARANTEES

CONTRACTOR SHALL GUARANTEE HIS WORK UNCONDITIONALLY FOR A PERIOD OF ONE (1) YEAR AFTER FINAL ACCEPTANCE. IF, DURING THIS PERIOD, ANY MATERIALS, EQUIPMENT, OR ANY PART OF THE SYSTEM FAILS TO FUNCTION PROPERLY, THE CONTRACTOR SHALL MAKE GOOD THE DEFECTS PROMPTLY AND WITHOUT ANY EXPENSES TO THE OWNER

PLAN NOTES

- ALL HOME RUNS TO HOUSE PANEL (U.N.O.)
- RE: ARCHITECTURAL DRAWINGS FOR ALL BUILDING AND SITE DIMENSIONS



GRAPHIC SCALE

ISSUE HISTORY		REVISIONS	
DATE	ISSUED FOR	DATE	DESCRIPTION
07/25/07	PERMIT	01/18/08	PARKING @ SOUTH SIDE OF PROPERTY
	BIDDING		
	CONSTRUCTION		

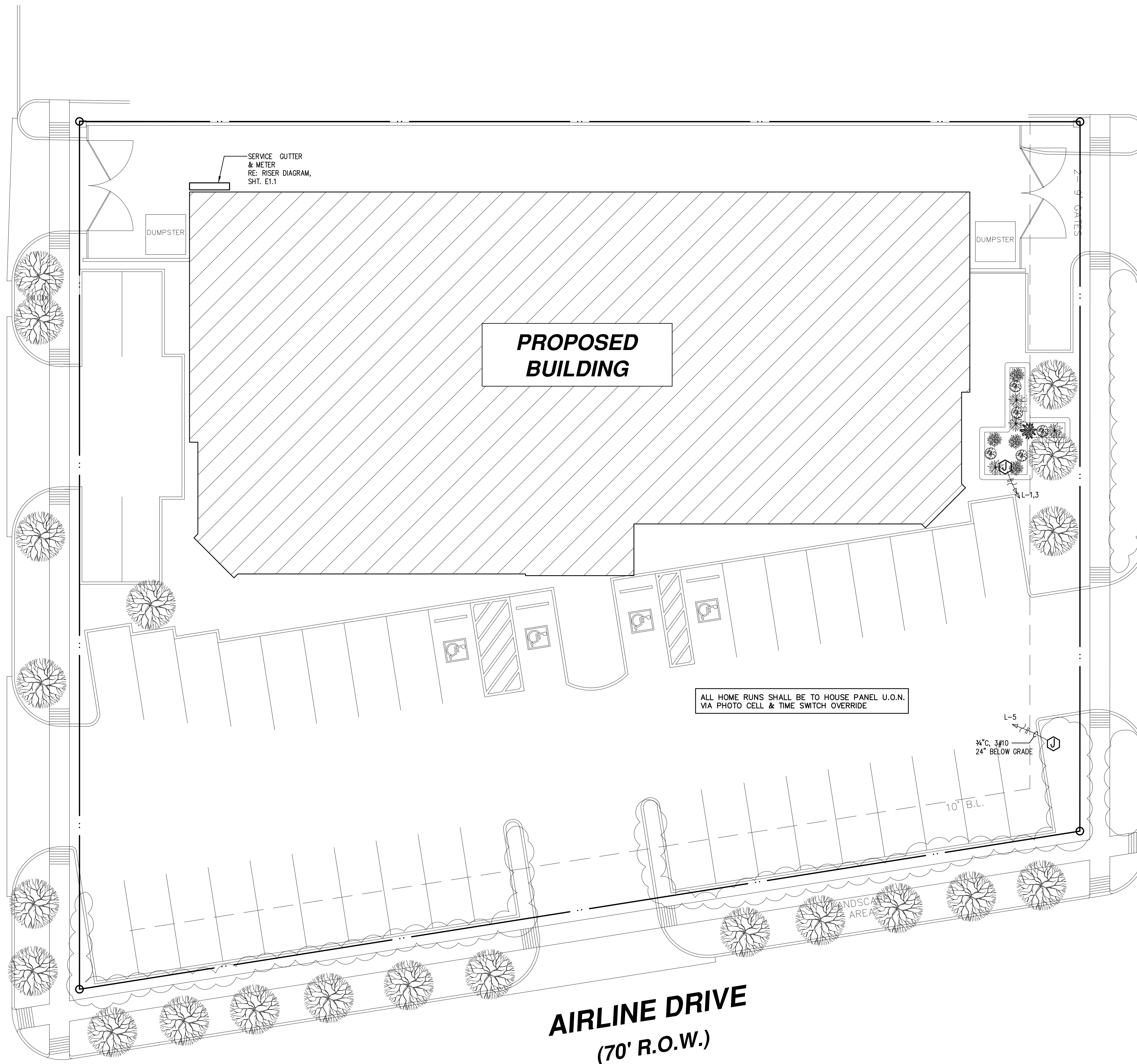
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MILAGRO BUILDING COMPANY
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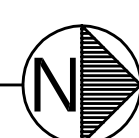
SITE LIGHTING & POWER PLAN

DRAWN BY: RT	DATE: 07/16/07	SHEET:
CHECKED BY: MR	PROJ. NO.: 07038.10	E1.0 OF: 2

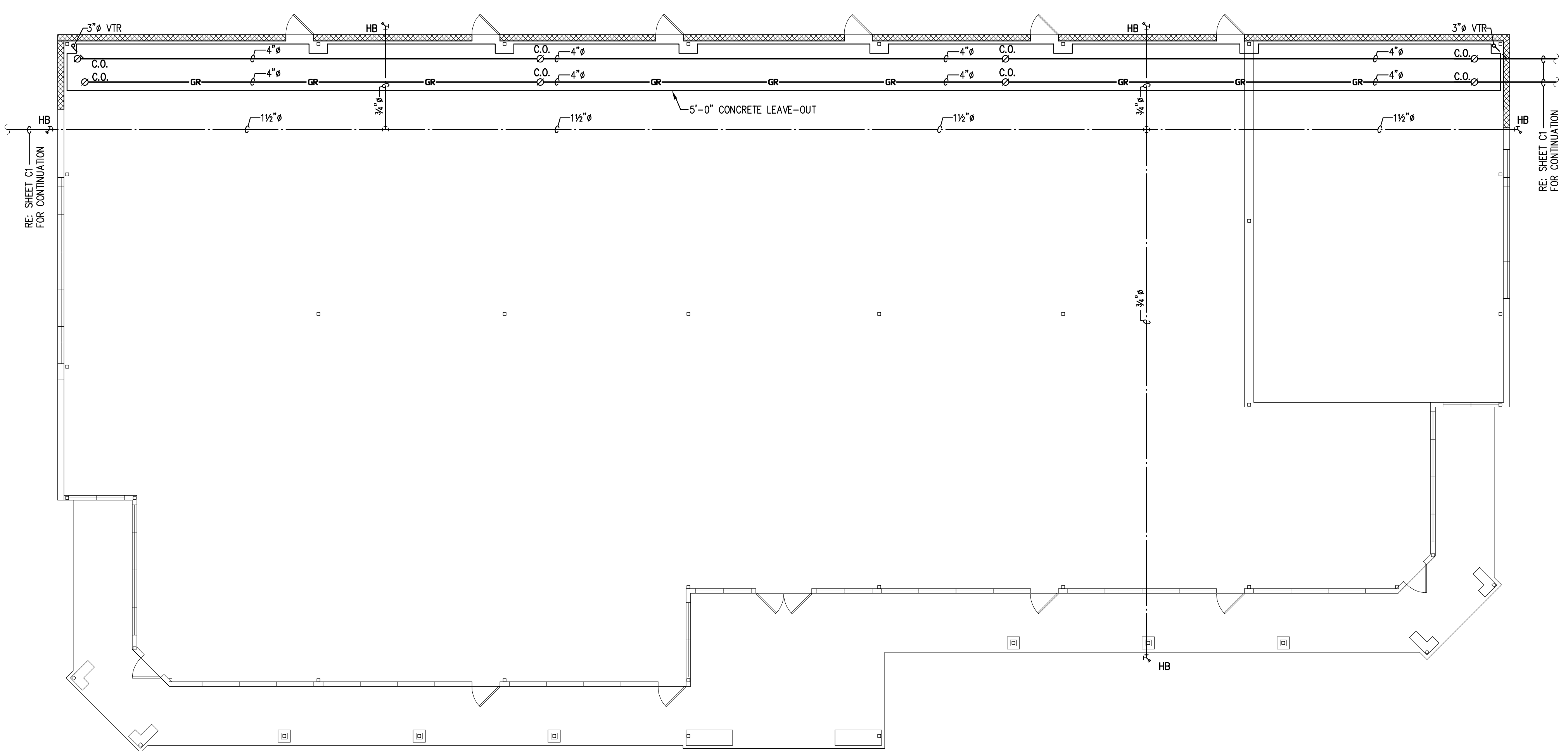


SITE LIGHTING & POWER PLAN

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



NOTE
PROVIDE BACKFLOW PREVENTOR (MILKINS-975XL OR EQUAL) ON THE DOMESTIC MAIN WATERLINE BETWEEN THE METER AND BUILDING.



PLUMBING LEGEND

SYMBOL	DESCRIPTION
---	COLD WATER SUPPLY
---	HOT WATER SUPPLY
---	HOT WATER RETURN
GR	GREASE WASTE LINE
D	T & P RELIEF OR CONDENSATE DRAIN
G	GAS LINE
---	PLUMBING VENT
---	SOIL OR WASTE BELOW FLOOR
---	SOIL OR WASTE ABOVE FLOOR
SS	SITE SANITARY SEWER
SD	STORM DRAIN BELOW FLOOR
SD	INTERIOR ABOVE FLR. OR SITE STORM DRAIN
F.D.	FLOOR DRAIN
F.S.	FLOOR SINK
C.O.	FLOOR CLEANOUT
GV	GATE VALVE
CV	CHECK VALVE
U	UNION
HB	HOSE BIBB
GC	GAS COCK
BWH	BOX WALL HYDRANT
IYH	YARD HYDRANT IN CONC. PAD
H.D.	HUB DRAIN
O.S. & Y	O.S. & Y GATE VALVE
F.D.C.	FIRE DEPARTMENT CONNECTION
B.V.	BALANCING VALVE
B.P.	BACKFLOW PREVENTOR

NOTE: THIS IS A STANDARD SYMBOL LIST.
ALL SYMBOLS DO NOT NECESSARILY APPEAR ON PLANS.

OUTLINE SPECIFICATIONS: PLUMBING SYSTEM

- GENERAL**
- ALL WORK SHALL BE IN COMPLIANCE WITH:
 - UNIFORM PLUMBING CODE (OR INTERNATIONAL PLUMBING CODE)--LATEST EDITION
 - LOCAL CODES & ORDINANCE
 - OWNER'S SPECIFICATIONS & INSTRUCTIONS.
 - CONCEAL PIPING WHENEVER POSSIBLE UNLESS NOTED OTHERWISE.
 - ALL PIPING SHALL BE UNDERSLAB, ABOVE CEILING, OR IN AREAS WITH DROPPED CEILING.
 - FIELD-VERIFY ALL MEASUREMENTS AND CONDITIONS BEFORE PROCEEDING W/ FABRICATION OF WORK.
 - PIPING LAYOUT IS ONLY SCHEMATIC, EXACT LOCATION OF PIPES SHALL BE COORDINATED W/ BUILDING STRUCTURE AND WORK OF OTHER CONTRACTORS.
 - PROVIDE ALL ADDITIONAL STEEL HANGER MATERIALS, RODS & CLAMPS AS REQUIRED FOR COORDINATION W/ WORK OF OTHER TRADES.
 - CONTRACTOR IS RESPONSIBLE FOR FIRESTOPPING AT ALL PENETRATIONS OF FIRE-RATED FLOORS AND WALLS, AS DESIGNATED IN ARCHITECTURAL DRAWINGS.
 - NO LIQUID TRANSMISSION PLUMBING PIPING IS TO RUN ABOVE ELECTRICAL SWITCH GEAR OR PANELS. MAKE ADJUSTMENTS NECESSARY TO ROUTE PIPING AS REQUIRED FOR THE ACTUAL INSTALLATION OF ELECTRICAL EQUIPMENT.
- WASTEWATER LINES**
- PROVIDE CLEANOUTS AT THE BASE OF ALL SANITARY STACKS.
 - PROVIDE CLEANOUTS AT A MAXIMUM OF 50 FEET APART IN SANITARY SEWER LINES 4" SIZE OR LESS, AND A MAXIMUM OF 100 FEET APART FOR LARGER PIPES.
 - PROVIDE CLEANOUTS AT EACH CHANGE OF DIRECTION 45° OR LARGER IN THE BUILDING DRAIN LINES (SANITARY PIPING BELOW FLOOR SLAB).
 - CLEANOUT SIZES:
 - MATCH PIPE SIZE FOR PIPE LESS THAN 4".
 - 4" FOR PIPE 4" OR LARGER.
 - ALL VENT PIPING SHALL BE SLOPED TO GRAVITY--DRAIN BACK TO DRAINAGE PIPING.
 - LOCATE VENTS AT A MINIMUM DISTANCE OF 6" FROM FIXTURE TRAP WEIR.
- WATER LINES**
- SUPPLY WATER LINE SIZES ARE BASED ON A MINIMUM PRESSURE @ THE WATER METER OF 40 PSI. CONTRACTOR SHALL VERIFY THAT THIS MINIMUM PRESSURE IS AVAILABLE AND, IF NOT, INFORM ENGINEER PRIOR TO WATER PIPE INSTALLATION.
 - RUN ALL WATER LINES LEVEL.
 - ALL FIXTURES SHALL BE EQUIPPED WITH STOP VALVES INSTALLED IN ACCESSIBLE LOCATIONS.
 - UNLESS OTHERWISE SHOWN ON DRAWINGS, PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR SIZING DOMESTIC WATER PIPING IN CHASES, ETC. TO INDIVIDUAL FIXTURES. WHEN PIPING SERVES FLUSH VALVES, COLD WATER PIPES SHALL BE EXTENDED FULL-SIZE TO END OF PIPE CHASE RUN AND A SHOCK ABSORBER INSTALLED. WHEN COLD WATER PIPE IS 2" OR LARGER AND SERVES FLUSH VALVES, PIPE MAIN IN CHASE CAN ONLY BE REDUCED TO 1 1/2" SIZE.
 - 1/2" HOT WATER PIPE MAY SERVE UP TO FOUR (4) LAVATORIES.
 - OTHER PIPE SIZING CRITERIA SHALL BE AS OUTLINED IN "ASHRAE FUNDAMENTALS HANDBOOK".
 - INSTALL SHOCK ABSORBERS & ACCESS DOOR AT FLUSH-VALVE WATER CLOSETS OR URINALS.

PIPING SPECIFICATIONS

DESCRIPTION	PIPING	FITTINGS	VALVES	REMARKS
SEWER & VENT LINES	PVC PIPE *	PVC *		
WATER LINES ABOVE GROUND	COPPER TUBE TYPE "L" SOFT TEMPER 250 PSI MAX.	SOLDER FITTINGS	S.E. BRONZE GATE 125# SWP	SILVER SOLDER TO BE USED AT ALL CONNECTIONS, ADAPTER AND INSULATION COUPLINGS
WATER LINES BELOW GROUND (EXCEPT ENTRANCE)	COPPER TUBE TYPE "K" SOFT TEMPER 250 PSI MAX.	SOLDER FITTINGS	S.E. BRONZE GATE 200# SWP	
WATER LINES (ENTRANCE)	COPPER TUBE TYPE "K" HARD TEMPER 400 PSI MAX.	SOLDER FITTINGS	S.E. BRONZE GATE 200# SWP	
GAS LINES	SCHEDULE 40 BLACK STEEL	SCHEDULE 40 BLACK STEEL	SCHEDULE 40 BLACK STEEL	

* STANDARD SEWER & VENT LINES ARE SCHEDULE 40 PVC-DWV EXCEPT IN RETURN AIR PLENUM AREA WHERE THEY MUST BE OF NON-COMBUSTIBLE MATERIAL.

OUTLINE SPECIFICATIONS: PLUMBING FIXTURE

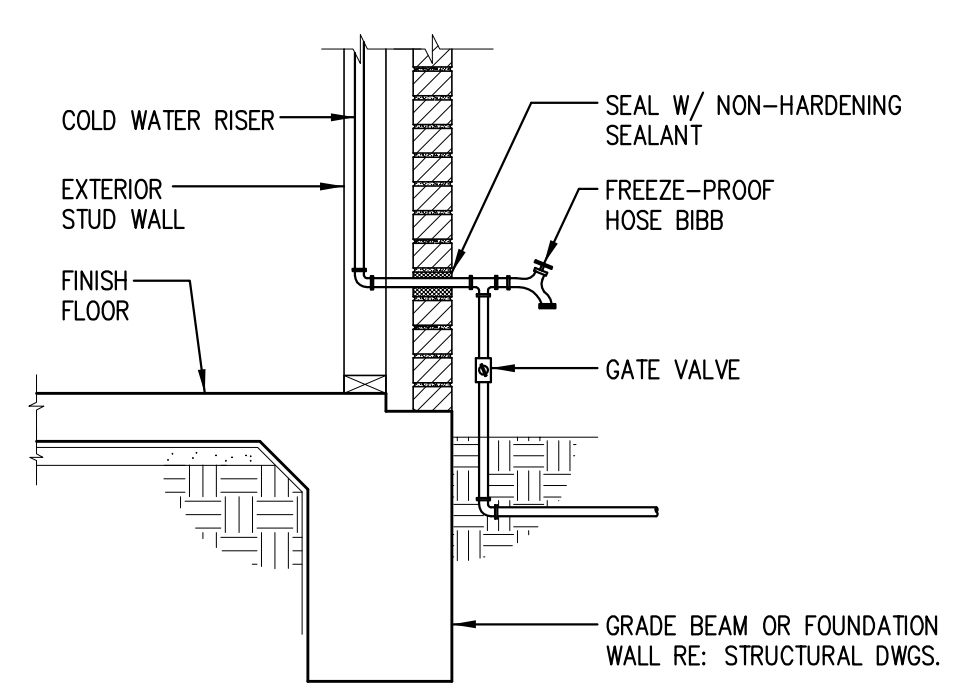
- CONTRACTOR SHALL FIELD-VERIFY ELEVATIONS AND DIMENSIONS OF FINISHED FLOORS AND WALLS. INSTALL ALL DRAINS, ROUGH-INS AND CARRIERS IN ACCORDANCE WITH PROPOSED ELEVATIONS AND FINISHED SURFACES.
- MOUNTING HEIGHT OF ALL WALL-HUNG OR COUNTER-MOUNTED FIXTURES SHALL BE COORDINATED WITH ARCHITECT PRIOR TO INSTALLATION OF ROUGH-IN-WORK.
- AT ALL FIXTURES AND EQUIPMENT, WITH ASSOCIATED TRIM OR ACCESSORIES, PROVIDED BY OTHER TRADES AND REQUIRING EXACT CONNECTIONS, THIS CONTRACTOR SHALL FIELD COORDINATE EXACT REQUIREMENTS OF, MAKE PROVISIONS FOR, AND SUPPLY ALL MATERIALS AND LABOR FOR MAKING FINAL CONNECTIONS.
- CONTRACTOR SHALL REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWINGS AND/OR INSTALLATION INSTRUCTIONS FOR FINAL COORDINATION OF ALL ROUGH-IN OPENINGS PRIOR TO BEGINNING HIS WORK.
- ALL FIXTURES AND EQUIPMENT STUB-OUTS SHALL BE PROVIDED WITH A STOP VALVE. ALL FIXTURE STOPS SHALL BE SOLID BRASS, LOOSE KEY OPERATED, CHROME PLATED (WHERE EXPOSED), AND FITTED TIGHT TO CHROME PLATED BRASS WALL ESCUTCHEON PLATES.
- ALL ROUGH-IN OPENING SHALL BE FITTED WITH CHROME PLATED, HEAVY GAGE BRASS ESCUTCHEON PLATES FITTED TIGHT TO THE PIPE.
- ALL EXPOSED BRASS SHALL BE CHROME PLATED.
- PROVIDED DEEP SEAL P-TRAP FOR ALL DRAINS REQUIRING TRAP PRIMING DEVICES.
- HANDICAPPED ACCESSIBILITY / ADA COMPLIANCE**
 - ALL HANDICAPPED ACCESSIBLE FIXTURES INDICATED WITH SHALL BE OF APPROVED TYPE AND WITH REQUIRED CONTROLS AND INSTALLED TO HEIGHT AND CLEARANCE, AS PRESCRIBED BY AMERICANS WITH DISABILITIES ACT (ADA). FIXTURES SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL ADA CODE REQUIREMENTS. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONED ADA MOUNTING HEIGHT AND SPECIFIED CLEARANCES.
 - ALL WHEELCHAIR LAVATORIES EXPOSED PIPING SHALL BE INSULATED. OFFSET DRAIN FITTINGS ARE REQUIRED TO PROVIDE MINIMUM CLEARANCES.
 - ORIENT ADA WATER CLOSET FLUSH WITH OPERATOR ON LARGE SIDE OF ENCLOSURE.
- PLUMBING FIXTURES SHALL BE OF WATER CONSERVATION TYPE IN ACCORDANCE WITH SENATE BILL 587 FOR WATER SAVING PERFORMANCE. LAVATORY AND SINK FAUCETS SHALL INCLUDE 2.2 GPM FLOW CONTROL.
- SEAL ALL SPACES BETWEEN PLUMBING FIXTURES AND MOUNTING SURFACES WITH WHITE LATEX CAULK WIPED SMOOTH AND FLUSH WITH FIXTURES.

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

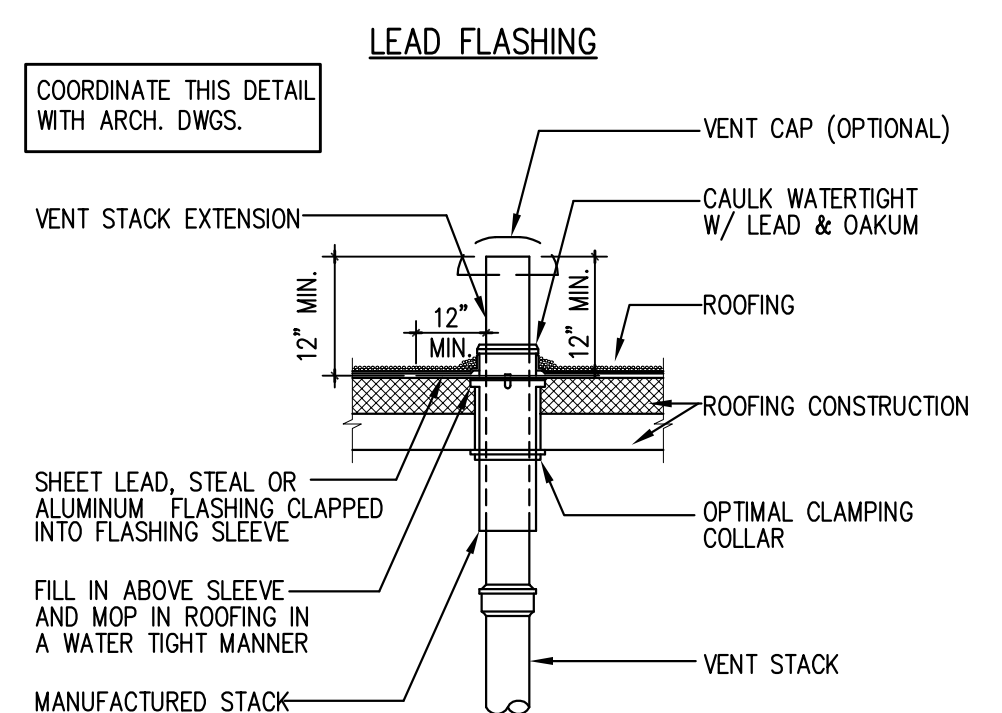
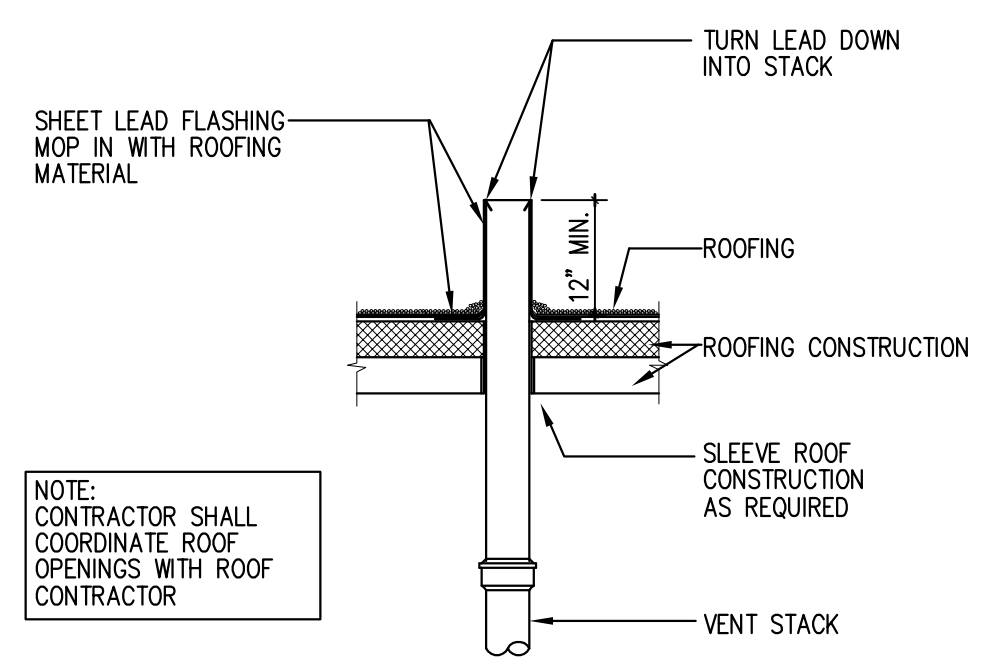
PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE UNLESS SPECIFIED, C.C. TO SUBMIT OUT SHEET TO ARCH.	PIPE SIZES				REMARKS	WSFU
		CW	HW	VENT	S&W		
CO	FLOOR CLEANOUT ZURN Z-1400	-	-	-	3"	ROUND NICKEL BRONZE SCORATED COVER	0
HB	HOSE BIBB ZURN Z-1320	3/4"	-	-	-	W/ STAINLESS STEEL BOX & VACUUM BREAKER	2.5

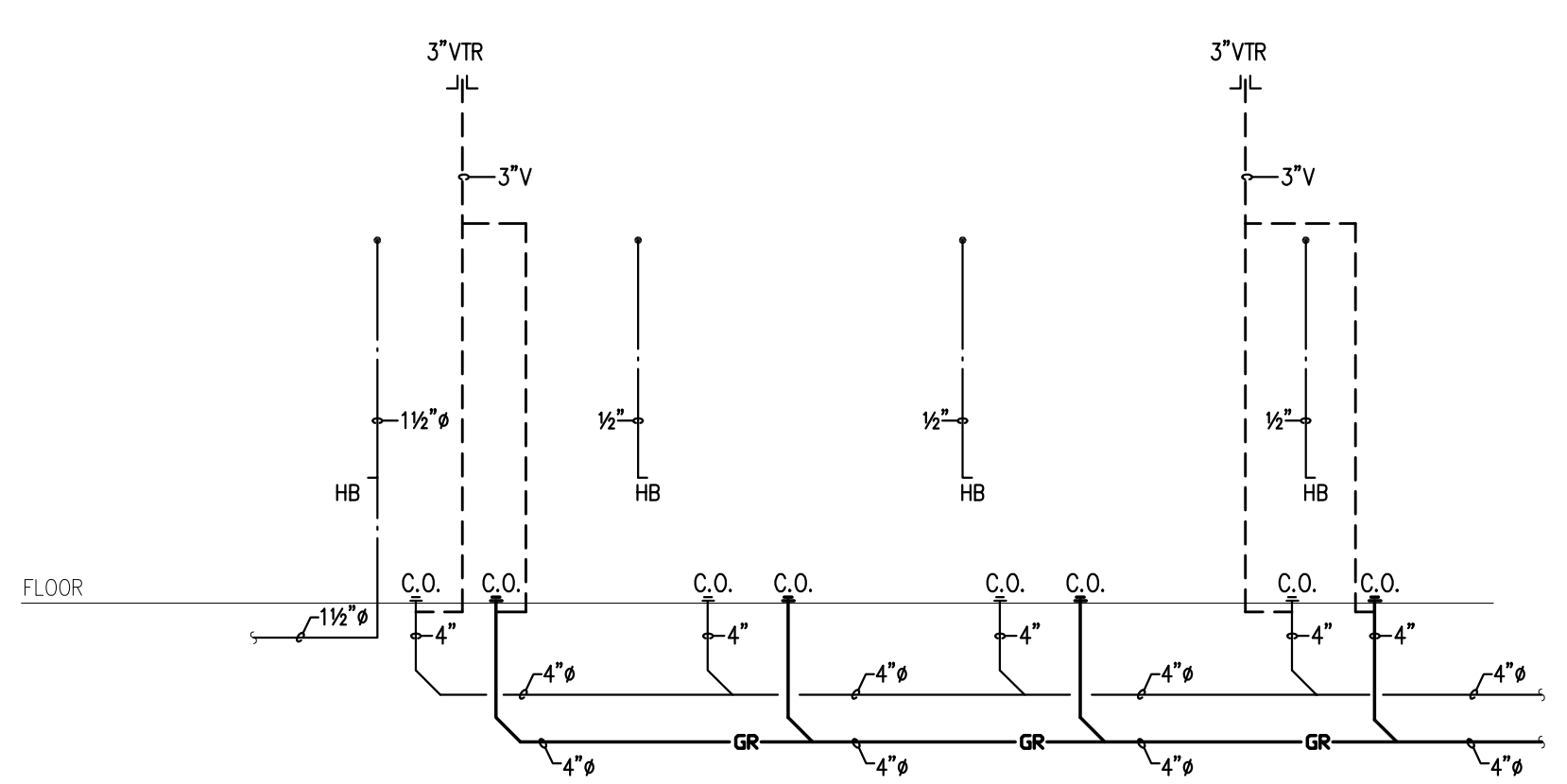
NOTE:
ALL HOSE CONNECTIONS AND OTHER INSTALLATIONS WHERE AN AIR-GAP CANNOT BE ASSURED MUST BE EQUIPPED WITH AN APPROVED BACKFLOW PREVENTOR (UPC 2002, 602.3)



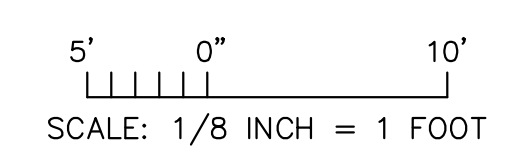
COLD WATER ENTRY DETAIL
NOT TO SCALE



VENT THRU ROOF
NOT TO SCALE



PLUMBING RISER DIAGRAM
NOT TO SCALE



ISSUE HISTORY		REVISIONS	
DATE	ISSUED FOR	DATE	DESCRIPTION
07/25/07	PERMIT		
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MILAGRO BUILDING COMPANY
PROPOSED NEW RETAIL CENTER

AIRLINE DRIVE @ 28TH STREET
HOUSTON, TEXAS

PLUMBING PLAN		
DRAWN BY: RT	DATE: 07/05/07	SHEET: P1.1 OF: 1
CHECKED BY: MFO	PROJ. NO.: 07038.10	