

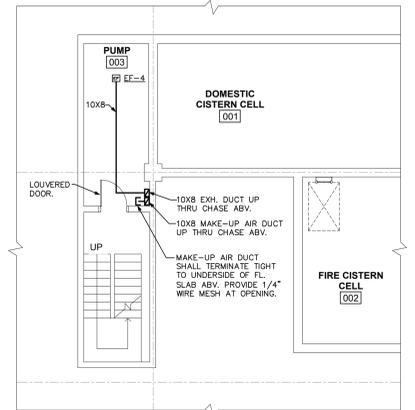
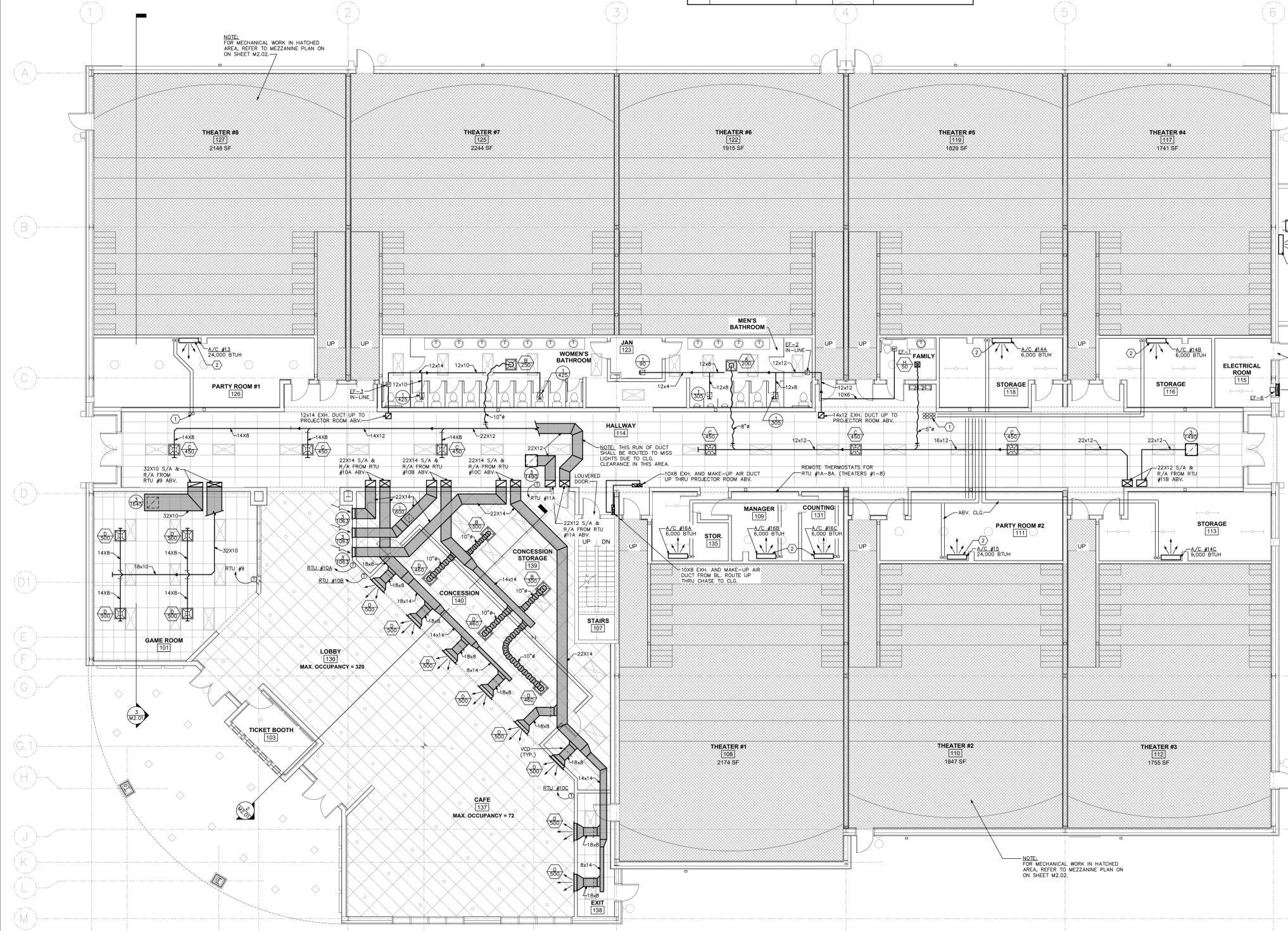
SUPPLY DIFFUSER SCHEDULE				
DESIGNATES LABEL FOR DIFFUSER TYPE			ALL DIFFUSERS ARE TO BE PROVIDED WITH OPPOSED BLADE DAMPERS UNLESS OTHERWISE SPECIFIED ON PLANS.	
DESIGNATES CFM QUANTITY FOR DIFFUSER				
LABEL	MANUFACTURER & MODEL NO.	NECK SIZE	CFM RANGE	REMARKS
A	TITUS TDC-AA	8"ø	130 - 200	24X24 LOUVERED FACE
B	TITUS TDC-AA	10"ø	205 - 375	24X24 LOUVERED FACE
C	TITUS TDC-AA	12"ø	380 - 475	24X24 LOUVERED FACE
D	TITUS TDC-AA	14"ø	480 - 700	24X24 LOUVERED FACE
E	TITUS 300RL	10X6	205 - 300	SIDEWALL REGISTER
F	TITUS 300RL	14X6	305 - 400	SIDEWALL REGISTER
G	TITUS 300RL	18X10	405 - 800	SIDEWALL REGISTER
H	TITUS TDC-AA	6"ø	0 - 125	12X12 LOUVERED FACE

RETURN GRILLE SCHEDULE				
DESIGNATES LABEL FOR GRILLE TYPE			FILTER SHALL BE PROVIDED AT UNIT.	
DESIGNATES CFM QUANTITY FOR GRILLE				
LABEL	MANUFACTURER & MODEL NO.	NECK SIZE	CFM RANGE	REMARKS
1	TITUS 355FL	12X12	0 - 600	LOUVER FACE
2	TITUS 355FL	24X24	0 - 1000	LOUVER FACE
3	TITUS 50F	24X24	0 - 2500	EGGCRATE FACE
4	TITUS 50F	24X48	2550 - 4500	EGGCRATE FACE

SPECIFIC MECHANICAL NOTES	
1	REFRIGERANT PIPING UP THRU PROJECTOR ROOM ABV. TO CONDENSING UNITS ON ROOF.
2	A/C UNIT MOUNTED HIGH ON WALL JUST BELOW CEILING.

H.V.A.C. ABBREVIATION LEGEND					
A/C	AIR CONDITIONER	REV.	REVISION	A.H.U.	AIR HANDLING UNIT
DN.	DOWN	N.T.S.	NOT TO SCALE	D.G.	DOOR GRILLE
EXH.	EXHAUST	MFG.	MANUFACTURER	F.D.	FIRE DAMPER
EXT.	EXTERIOR	R/A	RETURN AIR	DISP.	DISPOSABLE
E.F.	EXHAUST FAN	GR.	GRILLE	V.C.D.	VOLUME CONTROL DAMPER
A.F.F.	ABOVE FINISH FLOOR	C.D.	CEILING DIFFUSER	F/A	FRESH AIR
F.F.	FINISH FLOOR	REG.	REGISTER	S.P.	SAFE PAN
TYP.	TYPICAL	C.U.	CONDENSING UNIT	CD.	CONDENSATE DRAIN

HVAC SYMBOLS LEGEND	
Ⓚ	THERMOSTAT, MTD +47" AFF
Ⓛ	EXHAUST FAN
Ⓜ	SECTION "A"- "A"
Ⓝ	REMOTE BULB SENSOR
Ⓞ	DUCT SMOKE DETECTOR
Ⓟ	TRANSITION
Ⓠ	TURNING VANE
Ⓡ	45° BRANCH DUCT TAKE-OFF
Ⓢ	FIRE DAMPER
Ⓣ	VOLUME CONTROL DAMPER
Ⓤ	RETURN REGISTER
Ⓥ	SUPPLY DIFFUSER
Ⓦ	RETURN AIR GRILLE
Ⓧ	SUPPLY REGISTER
Ⓨ	DUCTWORK TRANSITION
Ⓩ	ROOF MTD. EXH. FAN
ⓐ	DUCT TURN DOWN
ⓑ	DUCT TURN UP
ⓓ	FLEXIBLE DUCT



1 FLOOR PLAN - MECHANICAL
SCALE: 1/8"=1'-0"

2 PARTIAL CISTERN FLOOR PLAN - MECHANICAL
SCALE: 1/8"=1'-0"

10" EXH. DUCT DOWN TO MOVE PROJECTOR. CONNECT TO PROJECTOR IF REQUIRED OR TERMINATE ABV. PROJECTOR. COORDINATE FINAL INSTALLATION AND REQUIREMENTS WITH MOVIE PROJECTOR MANUFACTURER PRIOR TO INSTALLATION. PROVIDE VOLUME CONTROL DAMPER IN DROP. (TYPICAL OF 8)

48x24 ALUMINUM "POTTERIFF" MODEL EQJ-445 OPERABLE EXHAUST STORM LOUVER WITH WITH NEOPRENE GASKET ALONG FULL LENGTH OF EACH BLADE TO SEAL MATING BLADE SURFACE. LOUVER SHALL ALSO BE PROVIDED WITH AN ELECTRIC ACTUATOR INTERLOCKED WITH EF-5.

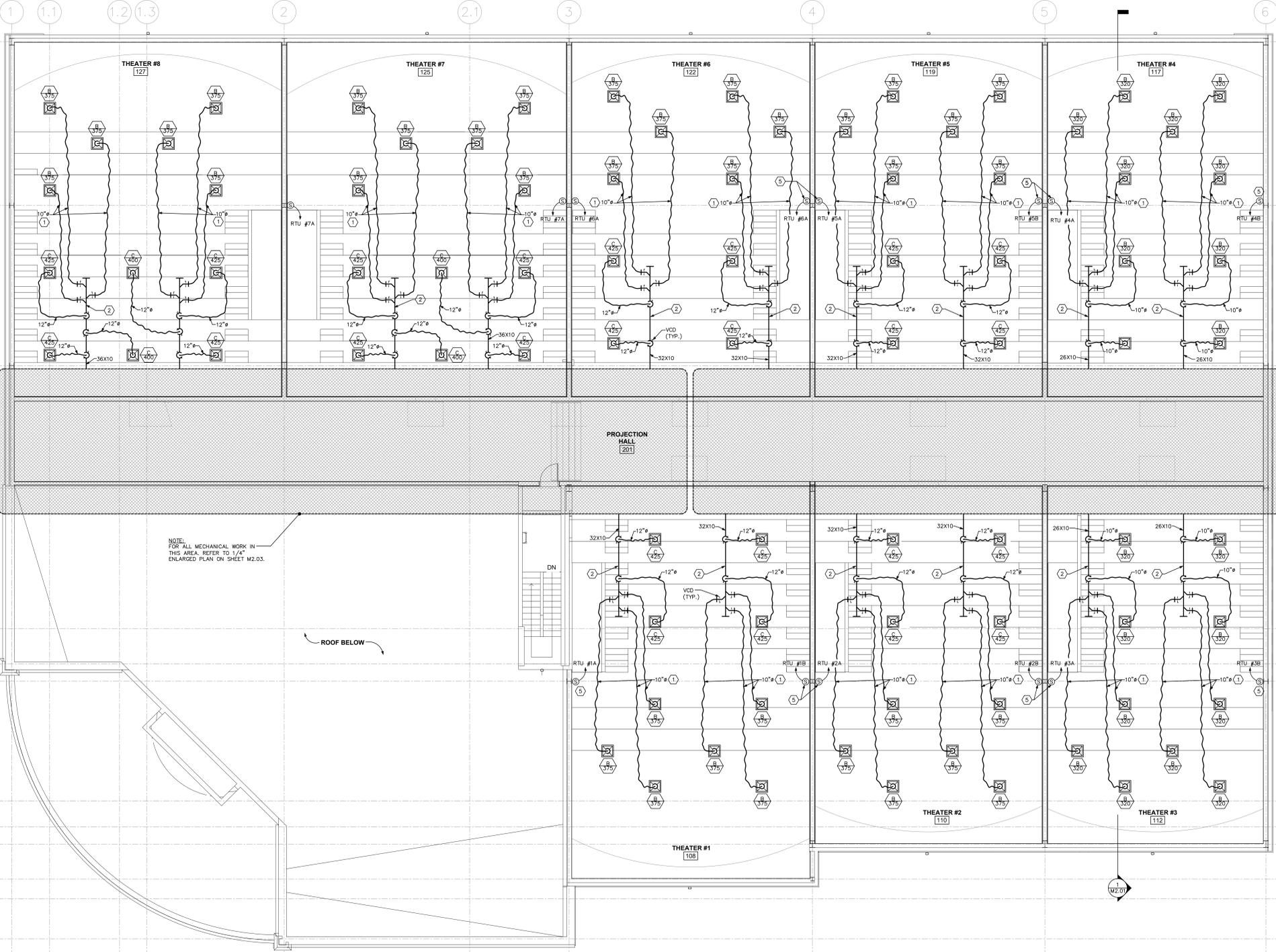
RETURN AIR DUCT PLENUM SHALL BE FULL SIZE OF RTU RETURN AIR OPENING. PROVIDE 1/4" WIRE MESH AT OPENING.

NOTE: FOR ALL MECHANICAL WORK RELATED TO THESE RTU'S, REFER TO SHEETS M2.03 AND M2.04. (TYP.)

NOTE: FOR ALL MECHANICAL WORK RELATED TO THESE RTU'S, REFER TO SHEETS M2.03 AND M2.04. (TYP.)

2 PARTIAL FLOOR PLAN (PROJECTOR ROOM) - MECHANICAL

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



NOTE: FOR ALL MECHANICAL WORK IN THIS AREA, REFER TO 1/4" ENLARGED PLAN ON SHEET M2.03.

NOTE: FOR ALL MECHANICAL WORK IN THIS AREA, REFER TO 1/4" ENLARGED PLAN ON SHEET M2.04.

SPECIFIC MECHANICAL NOTES	
1	10x6 TRANSFER DUCT 90° ELBOW, DROP 24" AND OFFSET AS SHOWN FOR SOUND ATTENUATION.
2	10x10 EXH. DUCT SHALL EXTEND A MIN. OF 10' FROM MOVE THEATER PENETRATION FOR SOUND ATTENUATION. PROVIDE 1/4" WIRE MESH AT TERMINATION POINT.
3	6x10 EXH. DUCT SHALL EXTEND A MIN. OF 10' FROM MOVE THEATER PENETRATION FOR SOUND ATTENUATION. PROVIDE 1/4" WIRE MESH AT TERMINATION POINT.

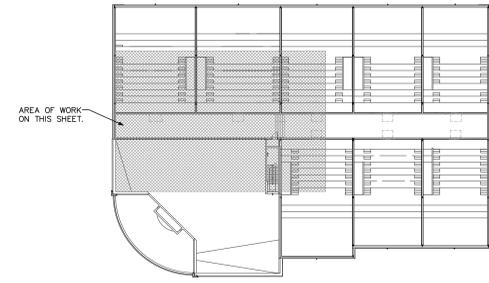
SUPPLY DIFFUSER SCHEDULE				
DESIGNATES LABEL FOR DIFFUSER TYPE	ALL DIFFUSERS ARE TO BE PROVIDED WITH OPPOSED BLADE DAMPERS UNLESS OTHERWISE SPECIFIED ON PLANS.			
DESIGNATES CFM QUANTITY FOR DIFFUSER				
LABEL	MANUFACTURER & MODEL NO.	NECK SIZE	CFM RANGE	REMARKS
A	TITUS TDC-AA	10"	205 - 375	24X24 LOUVERED FACE
B	TITUS TDC-AA	12"	380 - 450	24X24 LOUVERED FACE
C	TITUS 300RL	16x6	305 - 400	SIDEWALL REGISTER

RETURN GRILLE SCHEDULE				
DESIGNATES LABEL FOR GRILLE TYPE	FILTER SHALL BE PROVIDED AT UNIT.			
DESIGNATES CFM QUANTITY FOR GRILLE				
LABEL	MANUFACTURER & MODEL NO.	NECK SIZE	CFM RANGE	REMARKS
1	TITUS 50F	42X12	0 - 2500	EGGCRATE FACE
2	TITUS 50F	12X12	0 - 600	EGGCRATE FACE

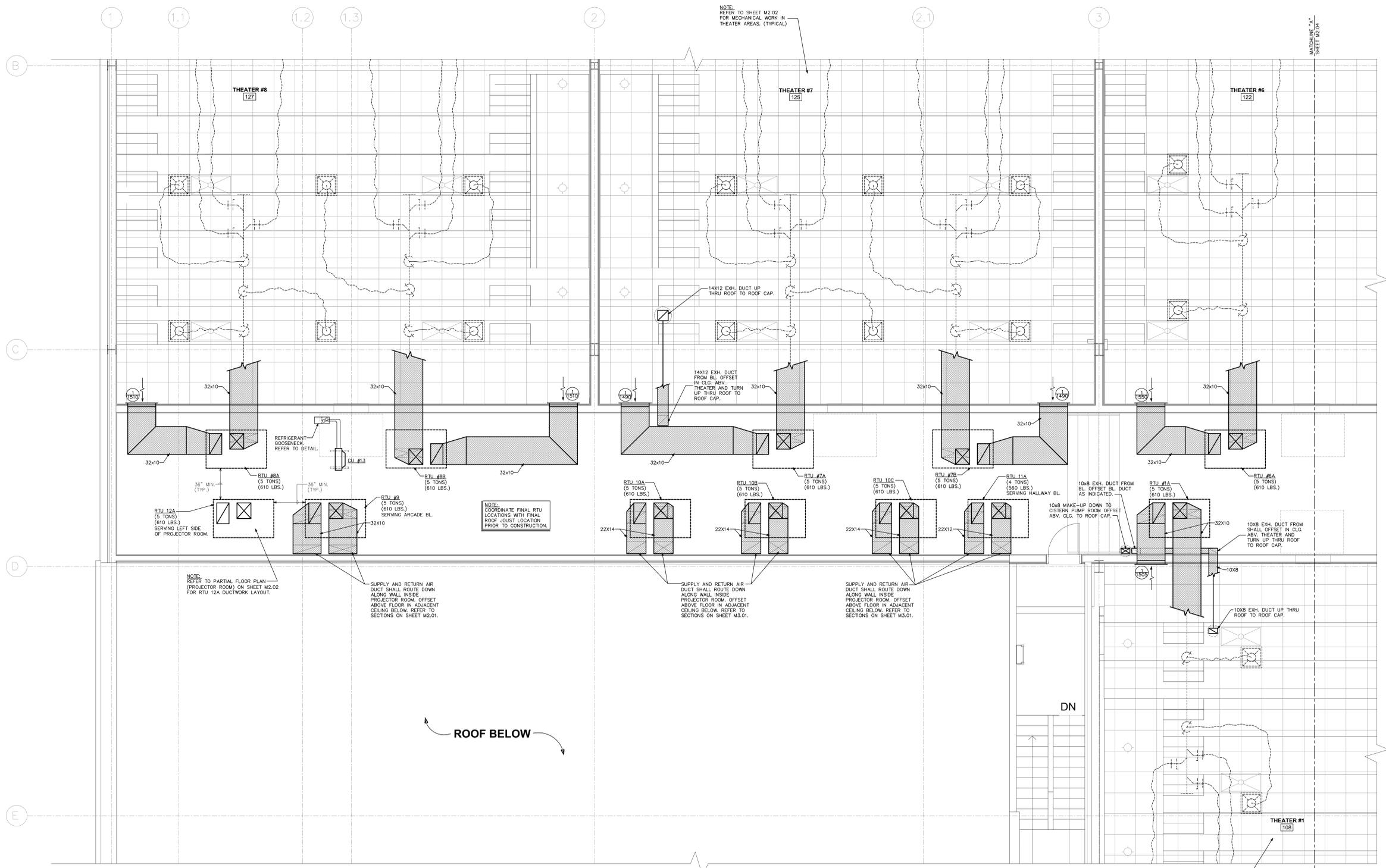
1 MEZZANINE PLAN - MECHANICAL

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

RETURN GRILLE SCHEDULE				
DESIGNATES LABEL FOR GRILLE TYPE		FILTER SHALL BE PROVIDED AT UNIT.		
DESIGNATES CFM QUANTITY FOR GRILLE				
LABEL	MANUFACTURER & MODEL NO.	NECK SIZE	CFM RANGE	REMARKS
1	TITUS 50F	32x14	0 - 2500	EGGGRATE FACE

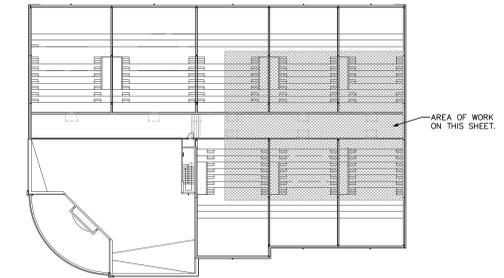


KEY PLAN NO SCALE

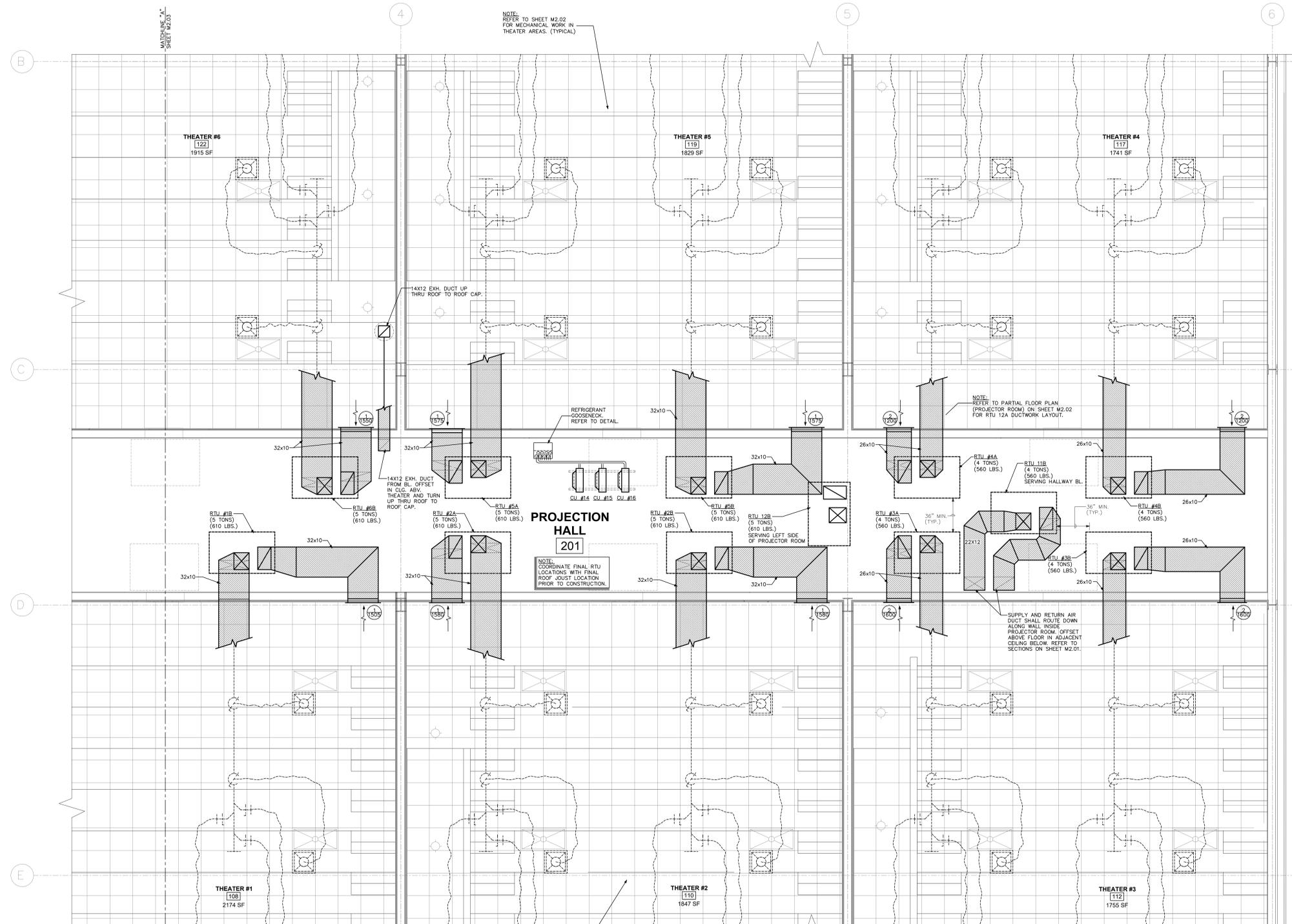


1 PARTIAL ENLARGED MEZZANINE PLAN - MECHANICAL
SCALE: 1/4"=1'-0"

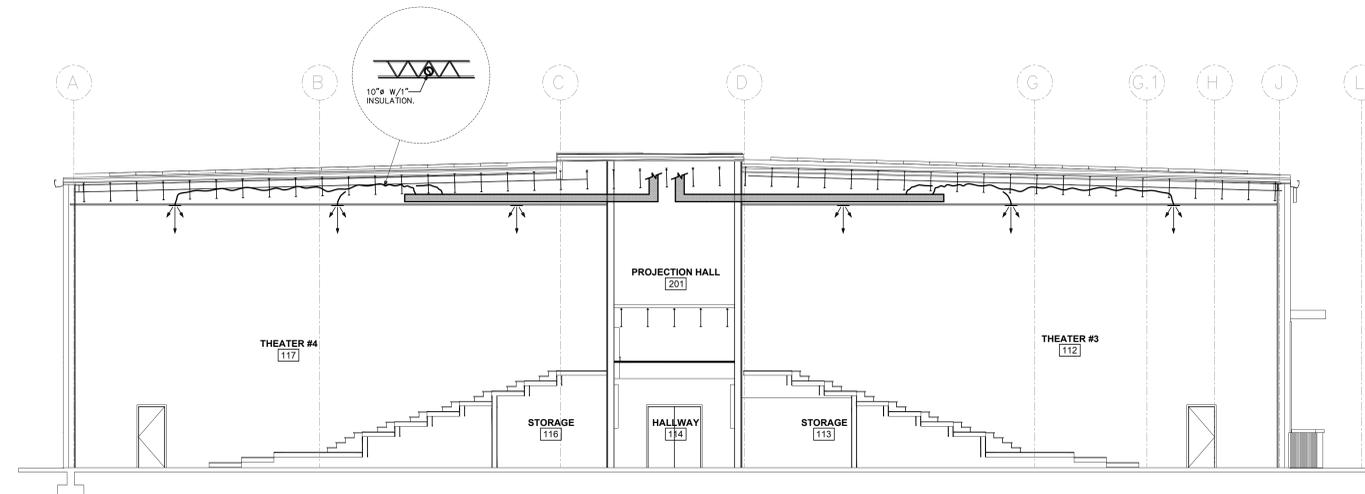
RETURN GRILLE SCHEDULE				
LABEL	MANUFACTURER & MODEL NO.	NECK SIZE	CFM RANGE	REMARKS
2	TITUS 50F	26x14	0 - 2500	EGGCRATE FACE



KEY PLAN NO SCALE

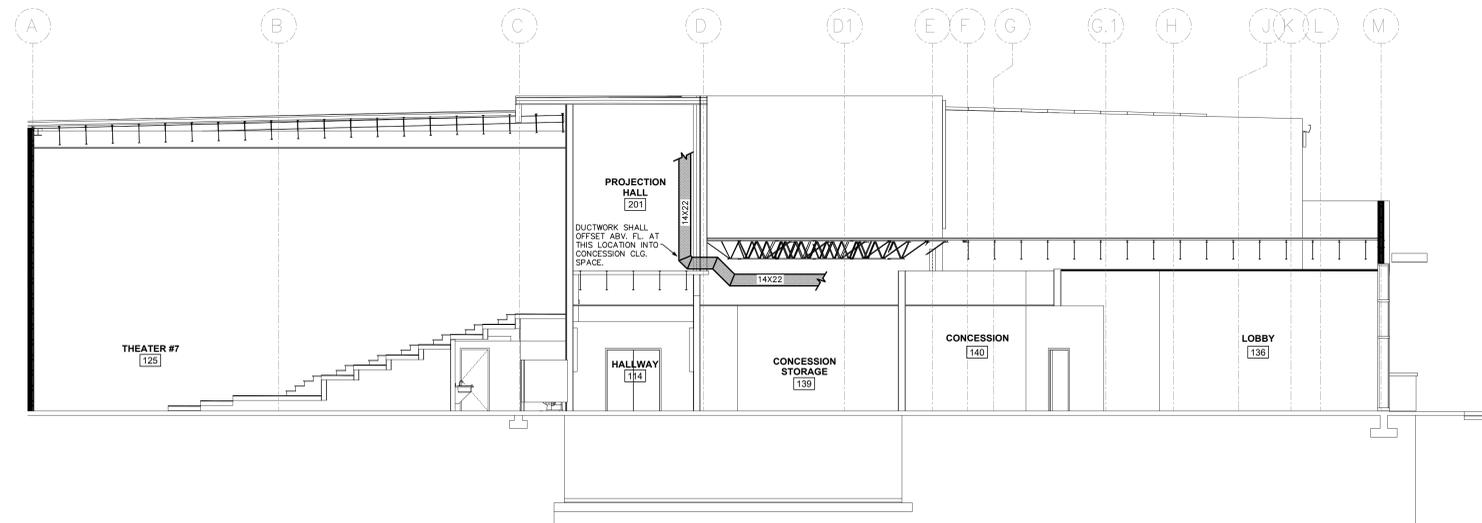


1 PARTIAL ENLARGED MEZZANINE PLAN - MECHANICAL
SCALE: 1/4"=1'-0"



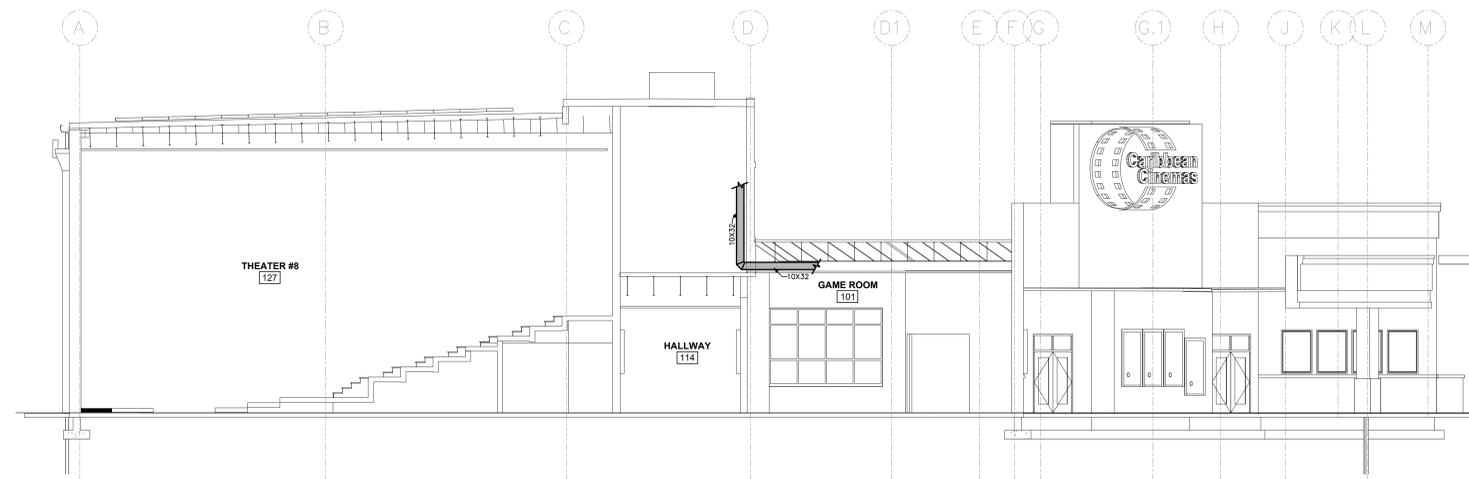
1 SECTION 1

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



2 SECTION 2

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



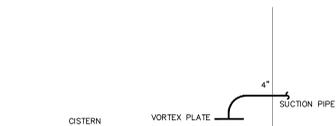
3 SECTION 3

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

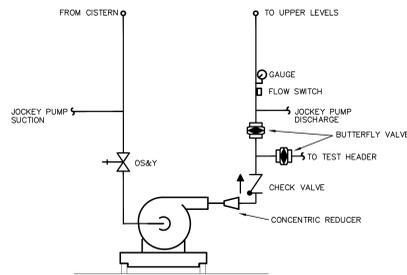
FIRE PROTECTION NOTES

1. THE SPRINKLER SYSTEM SHALL COMPLY WITH THE LATEST EDITION OF NFPA 13, AND ALL LOCAL CODES.
2. THE FIRE PUMP SHALL COMPLY WITH THE LATEST EDITION OF NFPA 20, AND ALL LOCAL CODES.
3. ALL PIPES SHALL BE SCHEDULE 40 BLACK STEEL. PIPING EXPOSED TO THE WEATHER SHALL BE GALVANIZED. FITTINGS SHALL BE PER NFPA 13.
4. THE DESIGN AREAS SPECIFIED MAY REDUCED FOR QUICK RESPONSE SPRINKLERS AND CEILING HEIGHT PER NFPA 13.
5. THESE DRAWINGS ARE DIAGRAMMATIC AND MAY NOT SHOW ALL DEVICES REQUIRED. THE SPRINKLER CONTRACTOR IS RESPONSIBLE FOR ALL EQUIPMENT AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM IN ACCORDANCE WITH NFPA 13, 20 AND LOCAL CODES.
6. ALL SPRINKLERS SHALL BE QUICK RESPONSE RECESSED. COORDINATE COLOR WITH ARCHITECT.

4 FIRE PUMP SUCTION
NO SCALE



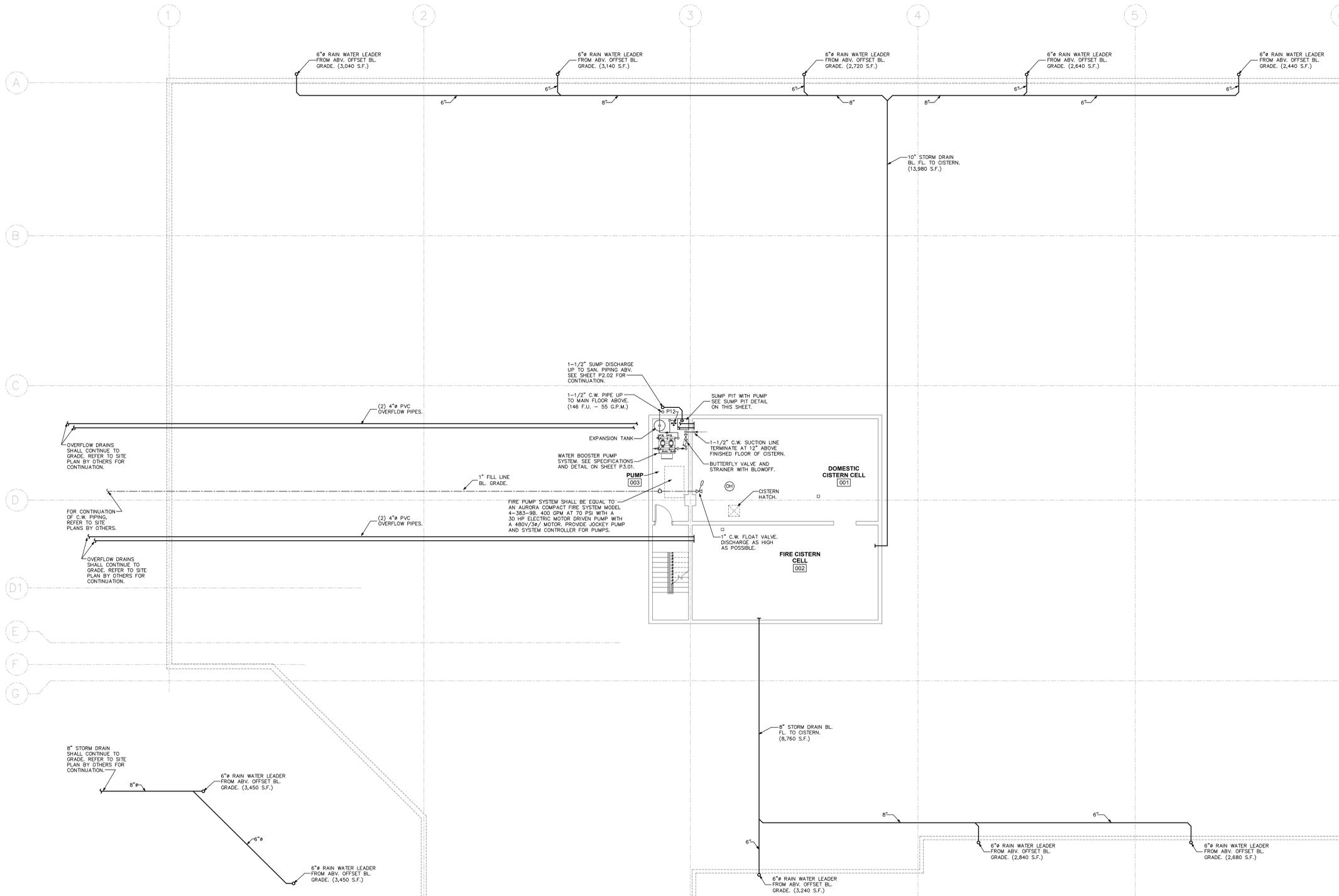
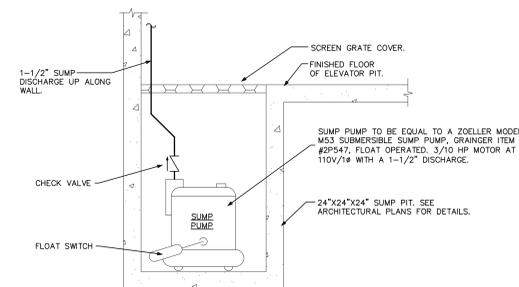
3 FIRE PUMP ELEVATION
NO SCALE



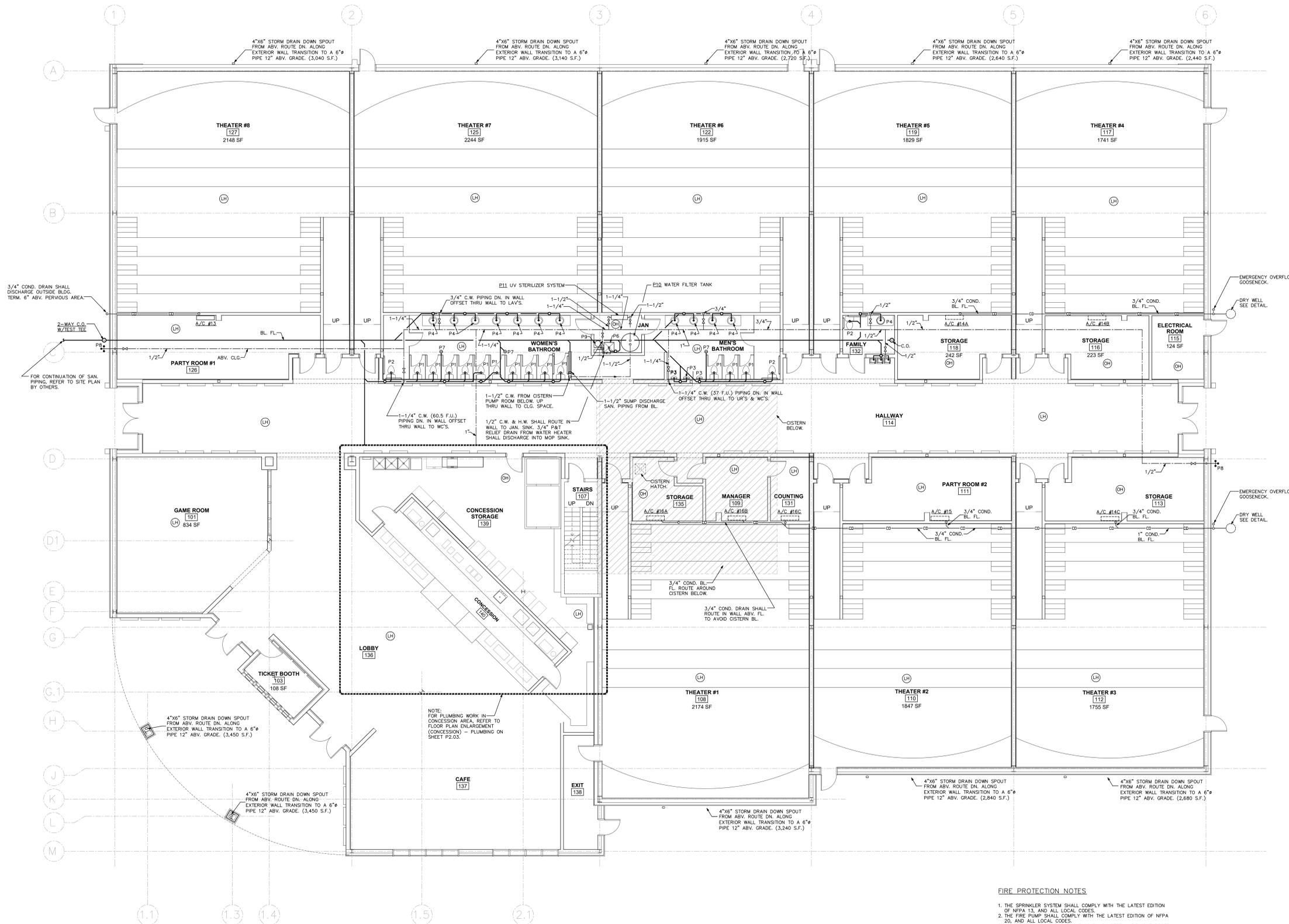
FIRE PROTECTION LEGEND

- (LH) LIGHT HAZARD
0.10 GPM OVER 1500 SF
100 GPM HOSES
- (OH) ORDINARY HAZARD
0.15 GPM OVER 1500 SF
250 GPM HOSES

2 SUMP PIT DETAIL
NO SCALE



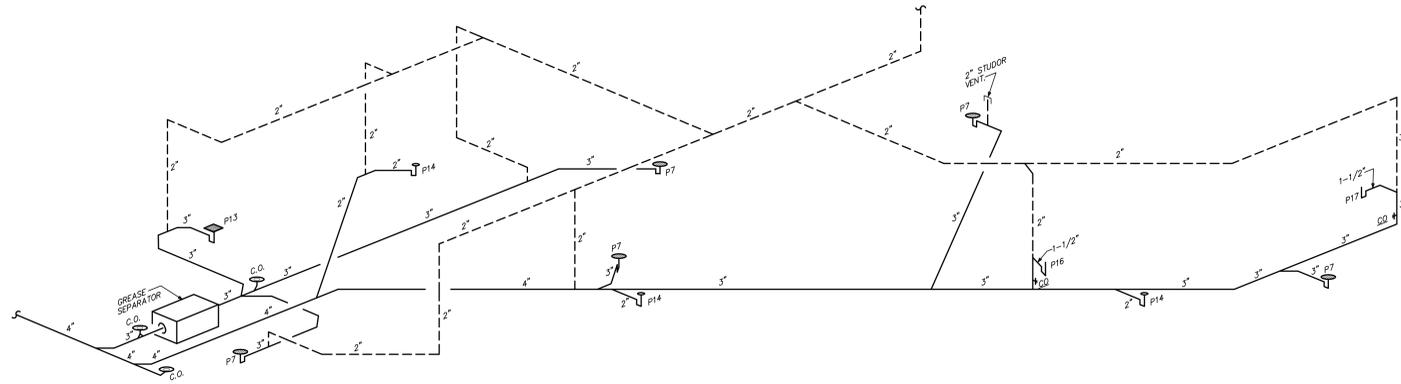
1 CISTERN PLAN - MECHANICAL
SCALE: 1/8"=1'-0"



FIRE PROTECTION LEGEND	
(LH)	LIGHT HAZARD 0.10 GPM OVER 1500 SF 100 GPM HOSES
(OH)	ORDINARY HAZARD 0.15 GPM OVER 1500 SF 250 GPM HOSES

FIRE PROTECTION NOTES

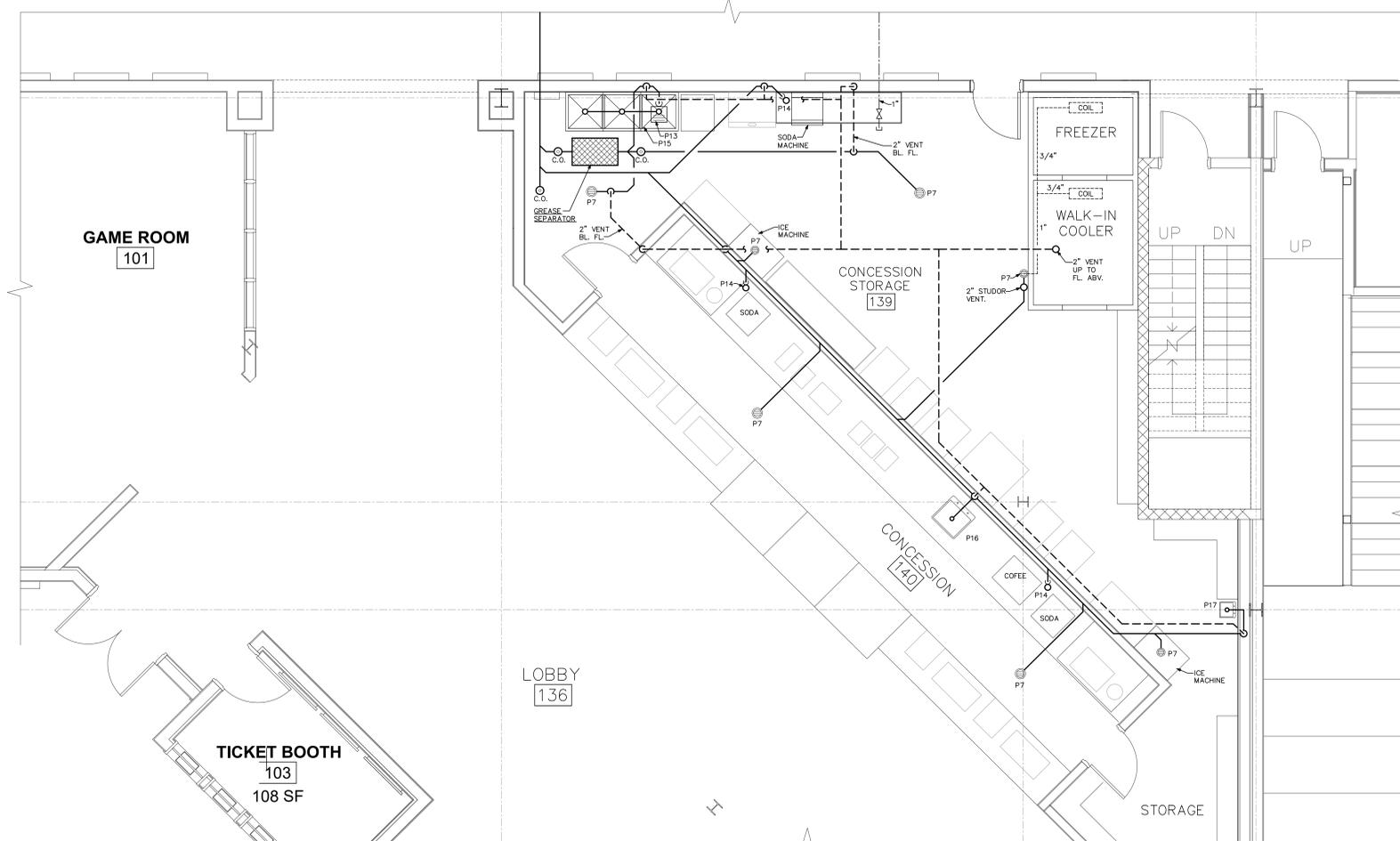
1. THE SPRINKLER SYSTEM SHALL COMPLY WITH THE LATEST EDITION OF NFPA 13, AND ALL LOCAL CODES.
2. THE FIRE PUMP SHALL COMPLY WITH THE LATEST EDITION OF NFPA 20, AND ALL LOCAL CODES.
3. ALL PIPES SHALL BE SCHEDULE 40 BLACK STEEL. PIPING EXPOSED TO THE WEATHER SHALL BE GALVANIZED. FITTINGS SHALL BE PER NFPA 13.
4. THE DESIGN AREAS SPECIFIED MAY BE REQUIRED FOR QUICK RESPONSE SPRINKLERS AND CEILING HEIGHT PER NFPA 13.
5. THESE DRAWINGS ARE DIAGRAMMATIC AND MAY NOT SHOW ALL DEVICES REQUIRED. THE SPRINKLER CONTRACTOR IS RESPONSIBLE FOR ALL EQUIPMENT AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM IN ACCORDANCE WITH NFPA 13, 20 AND LOCAL CODES.
6. ALL SPRINKLERS SHALL BE QUICK RESPONSE RECESSED. COORDINATE COLOR WITH ARCHITECT.



3 SANITARY AND GREASE WASTE ISOMETRIC
NO SCALE

		MODEL NO. GF-2824-M GREASE SEPARATOR
<p>Rockford Model GF-2824-M all welded 10 Ga. steel separator, 54 gallon static capacity, 40 g.p.m. intermittent flow, 4.00" topped inlet/outlet with 2.00" topped internal vent connection, 272 lbs greasy sludge capacity, visible double-wall outside trap seal, separator plate and removable filter screen, removable 3/8" nonskid diamond tread-plate cover for flush with floor installation suitable for pedestrian traffic secured with stainless flat head screws, heavy duty leak-proof gasket, OPEX Shop Coat coating inside and bituminous coating outside.</p>		
<p>Grease Separator Calculations</p> <p>3 COMP. SINK: (SINK SIZE) 18"x24"x14"x3=18,144 CU. IN. X 1(GAL)/231 CU. IN. = 78.54 GAL. X .75 (75% ACTUAL WATER VOLUME) = 58.9 GAL. W/FLOW RATE OF 2 GAL./MIN. (58.9 DIVIDED BY 2) = 29.4 G.P.M.</p> <p>(2) 3" FLOOR DRAINS = 8 GPM</p> <p>TOTAL REQUIREMENT = 37.4 G.P.M.</p>		

2 GREASE SEPARATOR DETAIL
NO SCALE



1 FLOOR PLAN ENLARGEMENT (CONCESSION) - PLUMBING
SCALE: 1/4"=1'-0"

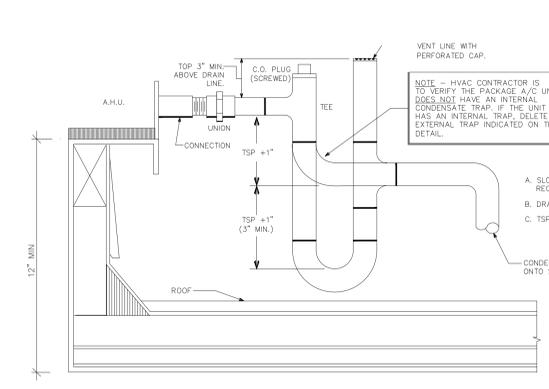
PLUMBING FIXTURE SCHEDULE

- P-1 (FLOOR MOUNTED FLUSH TANK WATER CLOSET)**
SHALL BE AN AMERICAN STANDARD MODEL 2333-100 ELONGATED 1.6 GPF. VITREOUS CHINA, PRESSURE-ASSISTED SIPHON ACTION BOWL, CLOSE-COUPLED TANK, FLOOR MOUNTED, FLOOR OUTLET, SPEED CONNECT TANK/BOWL COUPLING SYSTEM, WITH AMERICAN STANDARD OPEN FRONT SEAT WITH COVER MODEL 5325-024.
* http://www.americanstandard-us.com/assets/documents/amstd/spec/SpecSheet_722.pdf
- P-2 (HANDICAPPED FLOOR MOUNTED FLUSH TANK WATER CLOSET)**
SHALL BE AN AMERICAN STANDARD MODEL CADET RIGHT HEIGHT 16-1/2" 2377-100 ELONGATED 1.6 GPF, VITREOUS CHINA, PRESSURE-ASSISTED SIPHON ACTION BOWL, CLOSE-COUPLED TANK, FLOOR MOUNTED, FLOOR OUTLET, SPEED CONNECT TANK/BOWL COUPLING SYSTEM, WITH AMERICAN STANDARD OPEN FRONT SEAT WITH COVER MODEL 5325-024.
* http://www.americanstandard-us.com/assets/documents/amstd/spec/SpecSheet_1006.pdf
- P-3 (HANDICAPPED URINAL AND FLUSH VALVE)**
SHALL BE AN AMERICAN STANDARD WASHBROOK MODEL 6501-511 3/4" TOP SPUD, 1.0 GPF. URINAL INCLUDES AMERICAN STANDARD MANUAL FLUSH VALVE MODEL 6045-102 FOR 3/4" TOP SPUD URINAL.
* http://www.americanstandard-us.com/assets/documents/amstd/spec/SpecSheet_4875.pdf
- P-4 (HANDICAPPED COUNTER TOP LAVATORY)**
SHALL BE AN AMERICAN STANDARD MODEL RONALYN MODEL 0490-071 VITREOUS CHINA SELF-RIMMING FAUCET SHALL BE A "CHICAGO" MODEL 3300-ABSP METERING FAUCET WITH 4" CENTERS AND BUILT-IN THERMOSTATIC MIXING VALVE TO DELIVER TEMPERED WATER AT A TEMPERATURE NOT TO EXCEED 105 DEGREES. UNIT IS ADA COMPLIANT, 0.5 GPM WITH AN ADJUSTABLE 2-15 SECOND OPERATING CYCLE PRODUCING UNDER 23 GALLONS PER CYCLE. WATER PIPING AND P-TRAP SHALL BE COVERED WITH AN UNDER-SINK PROTECTIVE PIPE COVER KIT BY TRUEBRO (HTTP://WWW.TRUEBRO.COM) OR APPROVED EQUAL.
* http://www.americanstandard-us.com/assets/documents/amstd/spec/SpecSheet_90.pdf
* http://www.chicagofaucets.com/catalog/catalog.php?part_number=3400-CP
- P-5 (HANDICAPPED ELECTRIC WATER COOLER COMBINATION HEAD & WALL CARRIER)**
SHALL BE AN ELKAY MODEL EMWFLFC, SPLIT LEVEL TWO STATION WATER COOLER WITH BARRIER FREE ACCESS, MODEL EMWFLFC, 8.8 GPH, 4.0 FLA AT 120 VOLT, WITH ACCESSORY IN-WALL CARRIER ELKAY MODEL WFL200.
H/O WATER COOLER: * <http://www.elkaypro.com/emwflfc>
IN-WALL CARRIER SYSTEM: * <http://www.elkaypro.com/mw200>
WALL CARRIER INSTALLATION: * <http://www.gsg.biz/bsx>
- P-6 (FLOOR MOUNTED MOP RECEPTOR)**
SHALL BE A FLORESTONE (MFR#2424 2424K10") MOPPED MOP BASIN WITH 3" OUTLET. PROVIDE WITH MR-371 FAUCET WITH WALL BRACE, PAL HOOD AND APPROVED VACUUM BREAKER, MR-370 HOSE & HOSE BRACKET, MR-372 MOP HANGER, MR-373 BUMBER GUARD AND MR-377 STAINLESS STEEL WALL GUARD.
* http://www.florestone.com/mop_sinks/model_50-70.html
* http://www.florestone.com/mop_sinks/mis_accessories.html
- P-7 (FLOOR DRAIN WITH TRAP SEAL)**
SHALL BE A JOSAM 3000-WT-A-49 SERIES COATED CAST IRON FLOOR DRAIN. TWO PIECE BODY WITH DOUBLE DRAINAGE FLANGE, W/40 CO INVERTIBLE NON-PUNCTURING FLASHING COLLAR, WEEPHOLES, BOTTOM OUTLET, INSIDE CALK CONNECTION AND ADJUSTABLE SATIN NIKALOID ROUND SUPER-FLO STRAINER.
* http://www.josam.com/images/psamtk/smti_008_3000-WT-A.pdf
- P-8 (HOSE BIBB - NARROW WALL HYDRANT - MODERATE CLIMATE)**
SHALL BE A ZURN 2" FEMALE BRASS HYDRANT MODEL S53000 PREASSEMBLED INLINE FLOOR DRAIN TRAP SEALER. 9 PIECES. COMMERCIAL GRADE ABS PLASTIC HOUSING AND KEEPER PIN, PROPRIETARY NEOPRENE RUBBER DIAPHRAGM, WITH 2 SOFT RUBBER SEALING GASKETS. FLOOR RATING ASSE-1072 NF-0M.
* http://www.zurn.com/Portals/0/specs/pipes/pipes_s53000.pdf
- P-9 (JUNIOR WATER HEATER)**
WATER HEATER SHALL BE A LOCHINVAR MODEL JRC00E, 6 GALLON GLASSLINED STORAGE TANK, JUNIOR TYPE WATER HEATER WITH (1) 1/2" 15 AMP ELECTRIC ELEMENT AT 115 VOLTS, SINGLE PHASE RUNNING POWER, 3 YEAR LIMITED WARRANTY ON STORAGE TANK AGAINST TANK FAILURE. WATER HEATER SHALL MEET OR EXCEED ALL APPLICABLE SECTIONS OF ASHRAE STANDARD 90.1-2010 AND MECA REQUIREMENTS FOR ENERGY CONSERVATION.
* http://lochinvar.com/_linefiles/JRE.pdf
- P-10 (CISTERN WATER FILTRATION SYSTEM - FILTER TANK)**
WATER FILTER TANK SHALL CONSIST OF (1) MODEL W-04272Z CARBON FILTER TANK. INSTALL AS PER MANUFACTURERS RECOMMENDATIONS.
* <http://appliedmembranes.com/carbon1.htm>
- P-11 (CISTERN WATER FILTRATION SYSTEM - UV STERILIZER)**
UV STERILIZER SHALL BE AN "APPLIED MEMBRANES" MODEL SUIW5P (STERILIGHT SUIV SERIES), COMMERCIAL ULTRAVIOLET WATER STERILIZER SYSTEM RATED FOR 55 GPM. SYSTEM INCLUDES CONTROL PANEL. INSTALL AS PER MANUFACTURERS RECOMMENDATIONS.
* http://www.appliedmembranes.com/suiw-series_uv.htm
- P-12 (HOSE BIBB INTERIOR W/HANDHELD)**
SHALL BE A "WOODFORD" MODEL 101 ANTI-SIPHON WALL FAUCET.
* http://www.wcmind.com/woodford/Wall_Faucet_Pages/Model-101.html
- P-13 (FLOOR SINK W/SEDIMENT BUCKET)**
SHALL BE A JOSAM 49340A-3-31 SERIES SQUARE CAST IRON 8" DEEP SUPER-FLO-SEPTOR FLOOR SINK WITH PORC-COATED INTERIOR, DOUBLE DRAINAGE FLANGE WITH WEEPHOLES, BOTTOM OUTLET, ALUMINUM INTERNAL DOME STRAINER, AND CAST IRON, NON-TRAFFIC, PORC-COATED, ANTI-TILING GRATE WITH HALF GRATE AND ALUMINUM SEDIMENT BUCKET.
* <http://www.josam.com/catalog/305/pj#F549340A>
- P-14 (GUB DRAIN - INDOOR WASTE FUNNEL)**
SHALL BE A ZURN 2326, 2" PIPE CONNECTION, DURA-COATED CAST IRON BODY AND BOTTOM OUTLET. CONTRACTOR SHALL VERIFY FINAL HEIGHT OF FUNNEL WITH EQUIPMENT THAT IS UTILIZING FUNNEL DRAIN AND VERIFY CLEARANCE PRIOR TO CONSTRUCTION. COORDINATE WITH EQUIPMENT MANUFACTURER.
* http://concrete.com/web_documents/pdfs/specsheets/2326.pdf
- P-15 (STAINLESS STEEL 3 COMPARTMENT SINK)**
SHALL BE A "JUST" MODEL SB-345-24R, (12/14) STAINLESS STEEL 3 COMPARTMENT SINK WITH SIDE DRAIN BOARDS, 96"x24" - CONSTRUCTED OF 14 GAUGE TYPE 304, 18-8 STAINLESS STEEL. INTERIOR SURFACES POLISHED WITH A NON-POROUS HAND-BLENDED JUST FINISH. EXPOSED EXTERIOR SURFACES TO HAVE A BRUSH FINISH. SUPPORTED ON (4) 1-5/8" O.D. STAINLESS STEEL TUBULAR LEGS WITH ANGLE GUSSETS AND ADJUSTABLE BULLETFEET. DRAIN PUNCH ARE CENTERED FROM JUST TO BS UNLESS OTHERWISE SPECIFIED. FAUCETS SHALL BE TK6S BRASS AND BRONZE WORKS" MODEL B-0231. (TYPICAL OF 2)
* SINK BOWLS A MIN. OF 21"x18"x14"+0.
* DRAIN BOARDS A MIN. OF 24"x24".
* <http://www.justmfg.com/PDF/6-24.pdf>
* <http://catalog.tabross.com/specs/B-0200/B-0231.pdf>
- P-16 (SINGLE BOWL STAINLESS STEEL SINK)**
SHALL BE A "JUST" MODEL SLF-2125-A-QR, 21"x25"x8" SEAMLESS DE-DRAWN CONSTRUCTION OF TYPE 304, 18-8 STAINLESS STEEL. INTERIOR AND TOP SURFACES POLISHED TO A NON-POROUS HAND-BLENDED JUST FINISH WITH HIGHLIGHTED BOWL. FULLY COATED UNDERSIDE INSULATED FOR SOUND AND REDUCES CONDENSATION. STRAIGHT-SIDED COMPARTMENT WITH RADIUS CORNERS PROVIDES GREATER CAPACITY. SELF-RIMMING TOPMOUNT GRIP-IMPULSWITH STAINLESS STEEL MOUNTING CHANNELS. CONFORMS TO ASME/ANSI A112.19.3M. CERTIFIED CONFORMANCE WITH ASME A112.19.3/CSA B45.4. FAUCET SHALL BE A "JUST" MODEL JWF-201.
* <http://www.justmfg.com/PDF/SLF2125A.pdf>
* <http://www.justmfg.com/PDF/JWF-119.pdf>
- P-17 (STAINLESS STEEL WALL HUNG HAND SINK)**
SHALL BE A "JUST" MODEL A-544-912-T WALL HUNG STAINLESS STEEL HAND SINK. FABRICATED OF 20 GAUGE TYPE 304 STAINLESS STEEL. EXPOSED SURFACES POLISHED WITH A HAND-BLENDED JUST FINISH. INTEGRAL SUPPORT BRACKET AT REAR INCLUDES ONE 14 GAUGE STAINLESS STEEL WALL CLIP. FAUCET SHALL BE A "JUST" MODEL JS-45-10A.
* <http://www.justmfg.com/PDF/A-154B.pdf>

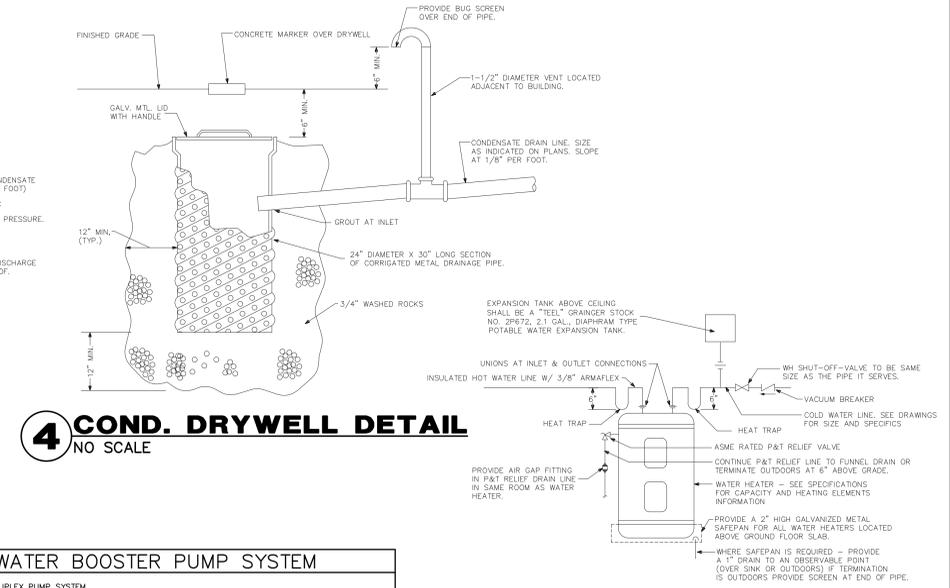
GENERAL PLUMBING NOTES

- DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION OF ALL PLUMBING FIXTURES, EQUIPMENT, ETC. PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL ALL ITEMS REQUIRED FOR A COMPLETE AND ACCEPTABLE WORKING INSTALLATION. CONTRACTOR IS RESPONSIBLE TO INSTALL ALL FIXTURES AND EQUIPMENT IN STRICT COMPLIANCE WITH THE MANUFACTURERS INSTALLATION INSTRUCTIONS. THIS REQUIREMENT IS TO SUPERSEDE ANY DETAILS OR INFORMATION CONTAINED ON THESE DRAWINGS.
- ALL WORK AND MATERIALS SHALL COMPLY WITH THE LATEST EDITION OF THE NATIONAL, STATE, AND ALL LOCAL CODES AND ORDINANCES HAVING JURISDICTION.
- THE PLUMBING CONTRACTOR SHALL VISIT THE SITE AND THOROUGHLY FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS. ALL EXECUTION AND BACKFILL AS REQUIRED FOR THIS PHASE OF CONSTRUCTION SHALL BE A PART OF THIS CONTRACT.
- ALL MATERIAL SHALL BE NEW.
- ALL WORK SHALL BE PERFORMED BY A LICENSED PLUMBING CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE AND ACCEPTED BY ENGINEER/ARCHITECT.
- ALL REQUIRED INSURANCE SHALL BE PROVIDED FOR PROTECTION AGAINST PUBLIC LIABILITY OR PROPERTY DAMAGE FOR THE DURATION OF THE WORK.
- THE PLUMBING CONTRACTOR SHALL SECURE AND PAY ALL PERMIT FEES, INSPECTIONS, AND TESTS.
- ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.
- THE PLUMBING CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN (1) ONE YEAR FROM DATE OF ACCEPTANCE. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THEREBY.
- VERIFY LOCATION, SIZE AND INVERTS OF ALL EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION. ADVISE ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
- ALL FIXTURES SHALL BE PROVIDED WITH READILY ACCESSIBLE STOPS.
- ALL BELOW FLOOR SLAB WATER PIPING SHALL BE FLEXIBLE "TEMPRITE PEX (CROSS-LINKED POLYETHYLENE)" INSTALLED AS PER MANUFACTURERS RECOMMENDATIONS FOUND HERE: WWW.LUBRULCO.COM. ALL ABOVE SLAB WATER PIPING SHALL BE "FLOWGUARD GOLD CPVC" INSTALLED AS PER MANUFACTURERS RECOMMENDATIONS FOUND HERE: WWW.FLOWGUARDGOLD.COM. ALL WATER PIPING AS SPECIFIED OR APPROVED EQUAL. ALL WATER PIPING LARGER THAN 2" SHALL BE TYPE "L" COPPER AND TYPE "K" COPPER FOR 2 1/2" AND LARGER.
- SOIL, WASTES AND VENT PIPING SHALL BE PVC #40 D.M.V. WASTE AND VENT PIPING ABOVE SLAB SHALL BE PVC. IF APPROVED BY LOCAL AUTHORITIES HAVING JURISDICTION, OTHERWISE CAST IRON. PVC SHALL NOT BE INSTALLED IN A/C RETURN AIR PLENUM OR PENETRATE FIRE RATED WALLS OR FLOORS.
- AIR CONDITIONING CONDENSATE DRAIN PIPING SHALL BE PVC #40 OR COPPER DRAIN WASTE AND BENT PIPE AND FITTINGS. INSULATE ALL CONDENSATE PIPING EXCEPT EXTERIOR PIPING. INSTALL ALL CONDENSATE PIPING FOR AIR CONDITIONING UNITS AS REQUIRED PER LOCAL CODES.
- FURNISH AND INSTALL APPROVED WATER HAMMER ARRESTORS AT EACH GROUP OF FIXTURES. INSTALLATION OF WATER HAMMER ARRESTORS SHALL CONFORM TO THE MANUFACTURERS RECOMMENDATIONS. PROVIDE AND INSTALL AN APPROVED WATER HAMMER ARRESTOR AT EACH FIXTURE OR DEVICE THAT HAS A SOLENOID WATER CONTROL VALVE.
- PROVIDE CHROME PLATED COMBINATION COVERED PLATE AND CLEANOUT PLUG FOR ALL WALL CLEANOUTS. JOSAM 55890.
- INSULATE LINES AS FOLLOWS:
 - A) 1" THICK ARMAFLEX PREFORMED INSULATION SHALL BE PROVIDED ON BOTH C.W. & H.W. WHEN PIPING IS LOCATED OUTSIDE OF THE INSULATED BUILDING ENVELOPE.

3 CONDENSATE P-TRAP DETAIL
NOT TO SCALE



4 COND. DRYWELL DETAIL
NO SCALE



WATER BOOSTER PUMP SYSTEM

WATER BOOSTER PUMP SYSTEM
FURNISH AND INSTALL A TIGERFLOW TIGERCLUB (DUPEX) MODEL #DMMV-50F-C-S3-P-VD-NSF U.L./C-U.L. LISTED IAMPD N-5169 NSF/ANSI-61 LISTED ENGINEERED VARIABLE SPEED PACKAGED WATER BOOSTER SYSTEM. THE SYSTEM SHALL BE RATED FOR A SYSTEM FLOW OF 110 GPM AT A SYSTEM PRESSURE OF 70 PSIG INCLUDING A FLOODED SUCTION OF 8'. PACKAGE SHALL BE U/L/C-U.L. QCCJ LISTED AS A SYSTEM FOR ITS INTENDED USE.

BLADDER TYPE EXPANSION TANK
SHALL BE A MODEL TT-132-E (0.15 GALLON) ASME 125# BLADDER TYPE EXPANSION TANK WITH FDA BLADDER. TANK SHALL INCLUDE A 2-1/2" LIQUID FILLED PRESSURE GAUGE INSTALLED ON THE SHELL SIDE OF THE TANK. BLADDER SHALL BE BOTTOM FEED WITH WELDED FLOOR STAND RING.

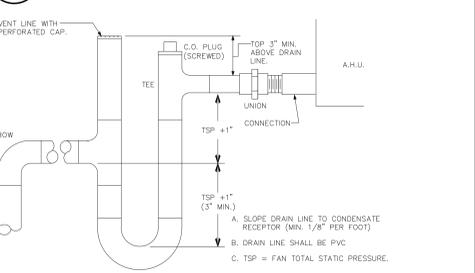
INSTALLATION NOTE:
EXPANSION TANK AND CONTROL PANEL SHIPPED SEPARATELY. CONTROL PANEL TO BE BOLTED, NOT WELDED. CONTRACTOR SHALL COORDINATE CONTROL U.L. LISTED, NEMA 4, TIGER'S EYE MARK V SOLID STATE, POWER AND CONTROL PANEL WIRING CONDITIONS TO PUMP SYSTEM WITH TIGERFLOW PRIOR TO CONSTRUCTION. CONTRACTOR MAY HAVE TO TEMPORARILY DISCONNECT AND ROTATE BUTTERFLY VALVES TO ALLOW PUMP SYSTEM TO FIT DOWN THRU STAIRS TO CISTERN PUMP ROOM.

TIGERFLOW CONTACT INFORMATION:
4034 Mint Way
Dallas, TX 75237
PHONE: (800) 783-6756
FAX: (214) 333-2742
E-MAIL: engineering@tigerflow.com
WEB SITE: www.tigerflow.com

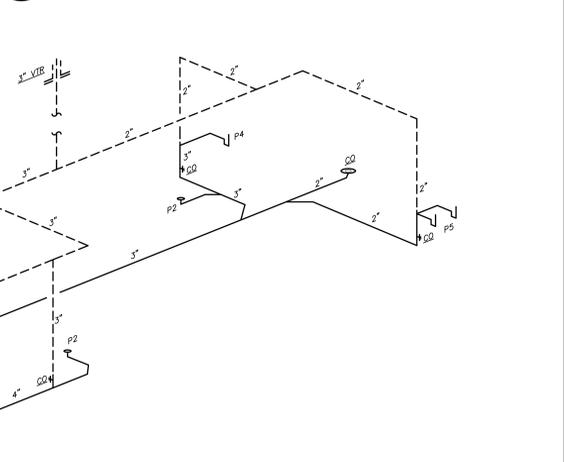
SYM	QTY	DESCRIPTION	P/N
19	1	VAL. BALL, FULL PORT, BRS, FBV-3, THD - 1-1/2" LEAD FREE	825-0555106
18	1	TUBING ASSEMBLY, COPPER, NO-GAUGES	059-TAS-CU-D 1
17	4	2-1/2" BRAY, 3H, LUG STYLE, BVF, LEVER HANDLE	824-31-0250
16	2	ISOLATION KIT - 4"	961-0040000
15	4	VAL. TEST COCK - 1/4"	825-0006635
14	2	TEE, THRD, BRS, STD - 1/4"	695-0002500
13	2	NIPPLE, BRS, 1/4" X 1-1/2"	776-0025010
12	2	VAL. 125# / 250# WATER SILENT CK, STAINLESS TRIM - 2-1/2"	827-142543
11	1	ASSEMBLY, DUPLEX, TEMP PROB AND PURGE LINE, W/PRV	PAGE 10
10	1	ASSEMBLY, PANEL STAND	PAGE 9
9	1	ASSEMBLY, GRID CAP, SS, 3"	PAGE 8
8	1	ASSEMBLY, GRID TANK FEED, SS, 3"	PAGE 7
7	2	ASSEMBLY, SPOOL, SS, 2-1/2" (DISCHARGE)	PAGE 6
6	2	ASSEMBLY, ELBOW, RED, CON, SS, 2" X 2-1/2" (DISCHARGE)	PAGE 5
5	2	ASSEMBLY, ELBOW, RED, CON, SS, 2" X 2-1/2" (SUCTION)	PAGE 4
4	2	ASSEMBLY, HEADER, SS, 3" (SUCTION/DISCHARGE)	PAGE 3
3	1	ASSEMBLY, SKD	PAGE 2
2	1	ASSEMBLY, TANK, BLADDER, 132 U.S. GAL, NSF, 150 PSI (NOT SHOWN)	965-TA-132-E
1	2	PUMP GRUNDFOS SERIES CR, MODEL CR 15-2, MOTOR, 5 HP, 1750 RPM, 460/3/60, TEFC ENERGY EFFICIENT MOTOR	PRE-ORDER

BILL OF MATERIALS
4034 Mint Way
Dallas, TX 75237
PHONE: (800) 783-6756
FAX: (214) 333-2742
E-MAIL: engineering@tigerflow.com
WEB SITE: www.tigerflow.com

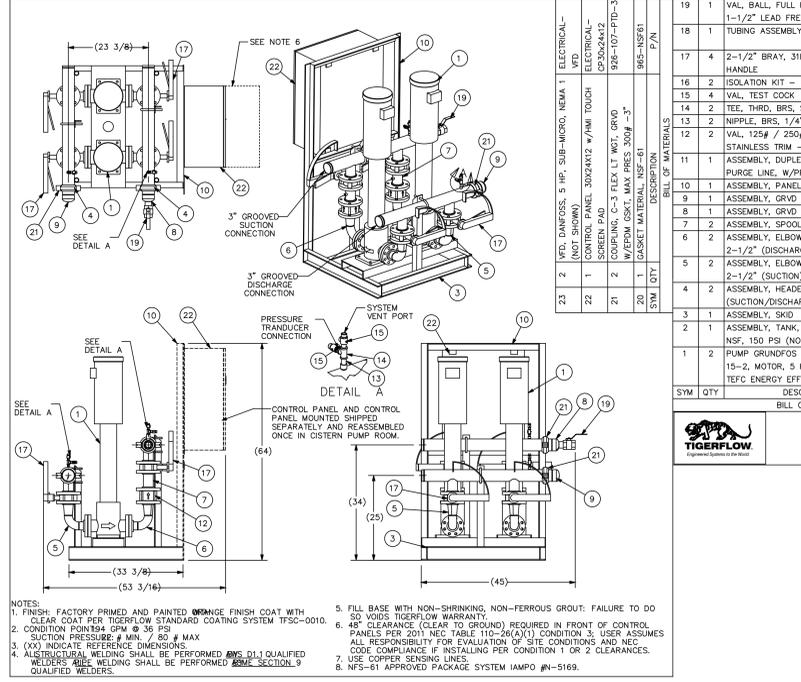
5 WATER HEATER DETAIL
NO SCALE



6 CONDENSATE P-TRAP DETAIL
NOT TO SCALE



2 WATER BOOSTER PUMP DETAIL
NO SCALE



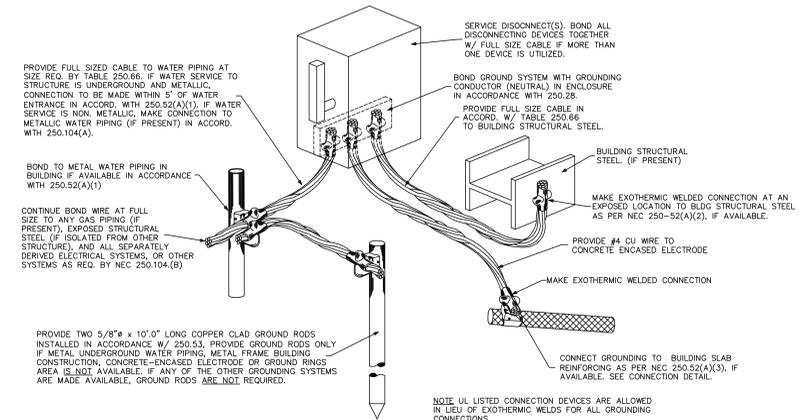
1 SANITARY ISOMETRIC
NO SCALE

FIXTURE	C.W. CONN. SIZE	H.W. CONNECTION SIZE	SANITARY BRANCH SIZE	F.U. LOAD VALUES
WATER CLOSET (P1,P2)	1/2"	-	3"	5.0
URINAL (P3)	3/4"	-	2"	5.0
LAVATORY (P4)	1/2"	1/2"	1-1/4"	2.0
ELECTRIC WATER COOLER (P5)	1/2"	-	1-1/4"	0.5
UTILITY SINK (P6)	1/2"	1/2"	2"	4.0

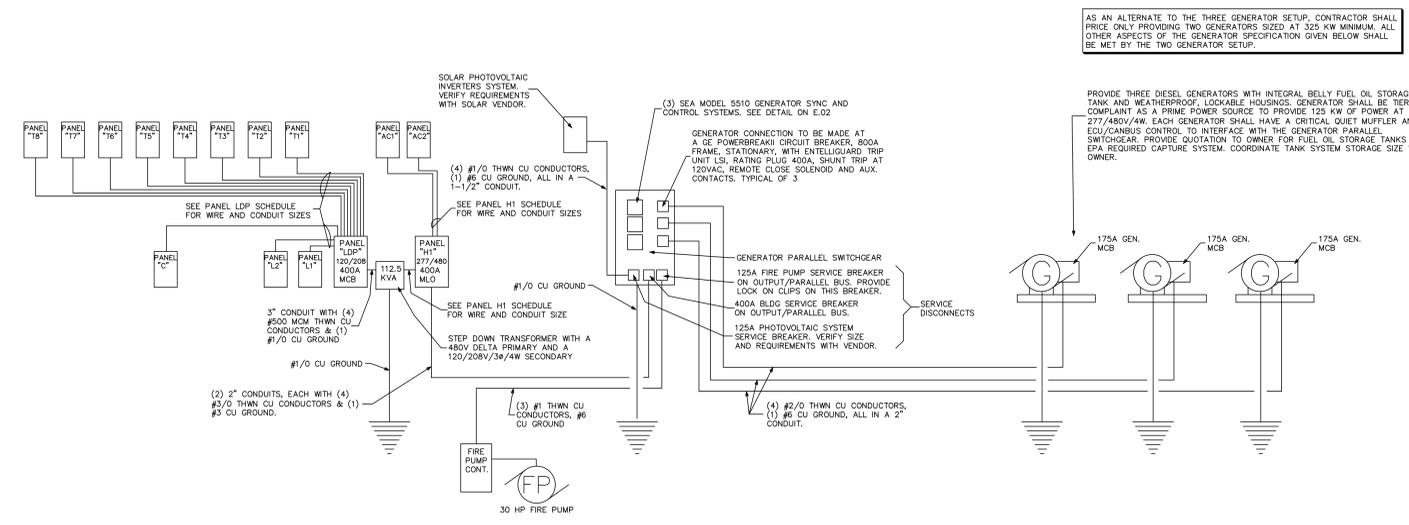
NOTE: F.U. LOAD VALUES BASED ON IPC 2009 - APPENDIX E TABLE E103.3(2)

ELECTRICAL SYMBOLS LEGEND		NOTE - NOT ALL SYMBOLS MAY BE USED ON PROJECT	
SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION
	DUPLEX RECEPTACLE, MTD. +18" AFF		TRANSFORMER - SIZE AS NOTED
	240 VOLT RECEPTACLE (VLT. AS REQ.)		PANEL - SIZE AS NOTED
	QUADRIPLUX RECEPTACLE, MTD. +18"		MOMENTARY CONTACT PUSH BUTTON
	DUPLEX RECEPTACLE, PEDESTAL, MTD. +18" AFF		F-FAN, M-MOTOR, P-PUMP
	COUNTERTOP HT. RECEPTACLE +42"		SPECIAL OUTLET - AS REQUIRED
	SINGLE POLE SWITCH, MTD. +42"		DCT, HOMERUN (B INDICATES PANEL) "Z" DESIGNATES CIRCUIT NUMBER
	THREE-WAY SWITCH, MTD. +42"		EXT. SIGN, ONE SIDED, OR TWO SIDED
	MANUAL STARTER SWITCH		EMERGENCY LIGHTING
	DIMMER SWITCH, MTD. +42"		RECESSED MOUNTED LIGHTING FIXTURE
	SWITCH W/ ALUM. WHEN ON +42"		OVERHEAD OCCUPANCY SENSOR
	SWITCH W/ GCOU SENSOR		HIGHBAY HD LIGHTING FIXTURE
	THREE-WAY SWITCH W/ GCOU SENSOR		FLUORESCENT LIGHTING FIXTURE
	JUNCTION BOX, FLUSH IF POSSIBLE		FLUORESCENT STRIP LIGHTING FIXTURE
	TELEPHONE / DATA OUTLET +18"		ISOLATED GROUND
	DED. COMPUTER TERM. OUTLET +18"		WEATHER-PROOF
	DISCONNECT SWITCH W/ STARTER		BELOW COUNTER
	DISCONNECT SWITCH		TIME CLOCK - 24 HOUR
	FLR. MTD. FLUSH DUPLEX RECEPTACLE		GROUND FAULT INTERRUPTER
	FLR. MTD. FLUSH QUAD. RECEPTACLE		ABOVE FINISHED FLOOR
	FLR. MTD. FLUSH PHONE/DATA OUTLET		ELECTRIC WATER COOLER
	AREA SMOKE DETECTOR		ABOVE SHOW WINDOW
	HEAT DETECTOR		BELOW SHOW WINDOW
	DUCT SMOKE DETECTOR		FACP FIRE ALARM CONTROL PANEL
	FIRE ALARM MAN. PULL STATION +42"		FAAP FIRE ALARM ANNUNCIATOR PANEL
	HORN W/ STROBE LIGHT, MTD. +80"		
	BLDG. DEVICE IS CANELLA RATING		
	STROBE LIGHT ONLY, MTD. +80"		
	BLDG. DEVICE IS CANELLA RATING		

- ELECTRICAL NOTES:**
- GENERAL: ALL WORK SHALL CONFORM TO THE LATEST APPROVED EDITION OF THE NATIONAL ELECTRICAL CODE (NEC) AND ALL LOCAL JURISDICTIONAL CODES.
THE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE DRAWINGS AND ANY APPLICABLE SPECIFICATIONS. IF A PROBLEM IS ENCOUNTERED IN COMPLYING WITH THIS REQUIREMENT, THE CONTRACTOR SHALL NOTIFY THE OWNER OR HIS REPRESENTATIVE AS SOON AS POSSIBLE AFTER DISCOVERY OF THE PROBLEM, AND SHALL NOT PROCEED WITH THAT PORTION OF THE WORK UNTIL THE OWNER HAS DIRECTED THE CORRECTIVE ACTION TO BE TAKEN.
THE CONTRACTOR SHALL COORDINATE THE PROPOSED LOCATIONS OF ALL ELECTRICAL MATERIALS AND EQUIPMENT WITH THE REPRESENTATIVES OF THE OTHER TRADES INVOLVED BEFORE STARTING INSTALLATION OF THOSE ITEMS.
COORDINATE THE INSTALLATION OF REQUIRED SUPPORTING DEVICES, CONDUIT, AND SLEEVES TO BE SET IN CAST-IN-PLACE CONCRETE AND OTHER STRUCTURAL COMPONENTS, AS THEY ARE CONSTRUCTED.
UNLESS OTHERWISE SPECIFIED ON THE PLANS, ALL SPECS ARE NOT INTENDED TO BE PROPRIETARY. SUBSTITUTIONS WILL BE ACCEPTABLE FOR EQUAL RATED AND LISTED UNITS.
 - SCOPE: EXCEPT WHERE OTHERWISE SPECIFICALLY INDICATED ON THE DRAWINGS BY "FUTURE", "BY OTHERS" OR BY A SIMILAR NOTATION, IT IS THE INTENT THAT THE CONTRACTOR FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND TOOLS NECESSARY TO PROVIDE ALL SYSTEMS IN COMPLETE AND OPERATING CONDITION.
 - EXCAVATE AS NECESSARY FOR THE INSTALLATION OF ELECTRICAL MATERIALS AND EQUIPMENT. VERIFY THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES OR STRUCTURES BEFORE EXCAVATING AND EXERCISE CARE TO AVOID DAMAGE TO SUCH ITEMS DURING EXCAVATION. BACKFILL WITH EARTH FREE OF LARGE GLOBS, LARGE STONES AND FOREIGN DEBRIS, DEPOSITED IN 6" LAYERS AND COMPACTED TO A DENSITY OF NOT LESS THAN THAT OF THE SURROUNDING UNDISTURBED MATERIAL.
 - MATERIALS: THE MATERIALS AND EQUIPMENT FURNISHED SHALL BE AS INDICATED ON THE DRAWINGS; SUBSTITUTIONS SHALL NOT BE MADE EXCEPT WHERE EXPRESSLY APPROVED BY THE OWNER OR HIS REPRESENTATIVE PRIOR TO STARTING INSTALLATION OF THE ITEMS. THE ELECTRICAL MATERIALS AND EQUIPMENT FURNISHED SHALL BE LISTED OR LABELED BY UNDERWRITERS LABORATORIES OR OTHER RECOGNIZED TESTING ORGANIZATION, AND SHALL BE ACCEPTABLE TO THE LOCAL BUILDING AUTHORITY.
 - GROUNDING: GROUNDING SHALL BE IN ACCORDANCE WITH ARTICLE 250, NEC.
 - SHARED NEUTRAL CONDUCTORS SHALL NOT BE ALLOWED UNLESS INSTALLED IN ACCORDANCE WITH NEC-210.4
 - CONDUITS: PROVIDE CONDUITS WHERE CALLED FOR ON PANEL SCHEDULES. ELECTRICAL METALLIC TUBING (EMT) SHALL BE INSTALLED ONLY IN DRY LOCATIONS, IN CONCRETE ABOVE GRADE, AND WHERE NOT SUBJECT TO PHYSICAL DAMAGE. CONDUITS INSTALLED UNDERGROUND SHALL BE POLYVINYLCHLORIDE (PVC) AND SHALL NOT BE SMALLER THAN 3/4" TRADE SIZE. WHERE PVC CONDUIT IS INSTALLED UNDERGROUND, ELBOWS TURNING UP AND CONDUIT EMERGING ABOVE GRADE SHALL BE RSC. THE TIPS OF CONDUITS SHALL NOT BE LESS THAN 24" BELOW FINISHED GRADE. PVC CONDUIT INSTALLED ABOVE GRADE OR DIRECT-BURIED IN EARTH SHALL BE NEMA TC2 TYPE EPC-40-PVC (SCHEDULE 40) EXCEPT THAT WHERE UNDER AREAS SUBJECT TO HEAVY VEHICULAR TRAFFIC, IT SHALL BE NEMA TC2 TYPE EPC-80-PVC (SCHEDULE 80). ALL ARMOR CLAD CABLE (AC CABLE) WIRING SHALL MEET OR EXCEED ALL NEC, OSHA AND HUD STANDARDS.
 - CONDUCTORS: CONDUCTORS SHALL BE AS SCHEDULED ON PANEL SCHEDULES. ALL POWER CONDUCTORS SHALL NOT BE SMALLER THAN #4 AWG (CU), OR #2 AWG (AL). CONTROL CIRCUIT CONDUCTORS SHALL NOT BE SMALLER THAN #18 AWG CU. CONDUCTORS SHALL BE CONTINUOUS FROM OUTLET TO OUTLET WITHOUT SPLICES EXCEPT WITHIN WIREWAY OR JUNCTION BOXES. MARK CONDUCTORS IN PANELS, PULL BOXES OR WIREWAYS AND TERMINAL STRIP TERMINALS FOR IDENTIFICATION OF CIRCUITS. CONDUCTORS SHALL BE JOINED USING COMPRESSION SPLICES, EXCEPT THAT CONDUCTORS #10 AND SMALLER MAY BE JOINED USING WIRE NUT TYPE CONNECTORS. CONDUCTORS SHALL BE TERMINATED USING COMPRESSION OR PRESSURE TYPE TERMINAL LUGS, OR IN PRESSURE TERMINALS. COMPRESSION SPLICES USED ON CONDUCTORS #10 AWG AND SMALLER, SHALL BE THE SELF-INSULATED TYPE. OTHER SPLICES SHALL BE INSULATED USING #33+ OR #88 PLASTIC TAPE. SPLICES IN WET LOCATIONS SHALL BE INSULATED WITH ELECTRICAL TAPE AND ENCAPSULATED WITH SCOTCHGARD OR EQUAL POTTING COMPOUND.
 - PROVIDE AND INSTALL JUNCTION AND PULL BOXES WHERE INDICATED AND WHERE NECESSARY TO TERMINATE, TAP OFF, OR REDIRECT MULTIPLE CONDUIT RUNS, OF SIZE INDICATED OR AS REQUIRED BY NEC. WHERE FEEDER SPLICES ARE TO BE MADE, INSTALL BOXES LARGE ENOUGH TO PROVIDE AMPLE WORK SPACE.
 - LIGHTING FIXTURES: LIGHTING FIXTURES SHALL BE AS INDICATED ON THE DRAWINGS, AND SHALL BE INSTALLED COMPLETE WITH LAMPS. FIXTURES WITH ADJUSTMENTS AFFECTING LIGHT DISTRIBUTION SHALL BE SET TO PROVIDE THE REQUIRED LIGHT PATTERNS PRIOR TO THE FINAL DEMONSTRATION TEST.
 - TESTS: AFTER EACH SYSTEM HAS BEEN COMPLETED, A FUNCTIONAL TEST SHALL BE PERFORMED TO DEMONSTRATE THAT THE SYSTEM OPERATES IN ACCORDANCE WITH THE REQUIREMENTS OF THE DRAWINGS. THE TEST SHALL BE PERFORMED BY THE CONTRACTOR IN THE PRESENCE OF THE OWNER OR HIS REPRESENTATIVE.
 - TERMINALS: ALL ELECTRICAL EQUIPMENT FURNISHED ON THIS PROJECT IS TO HAVE TERMINALS RATED FOR 75° C. OPERATION.

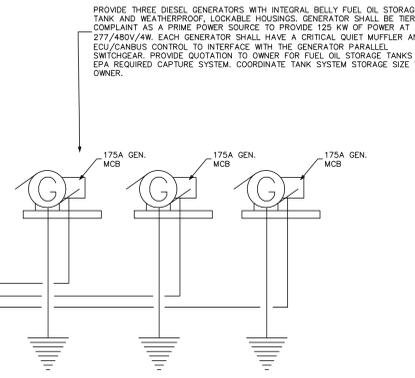


3 GROUNDING DETAIL
NO SCALE

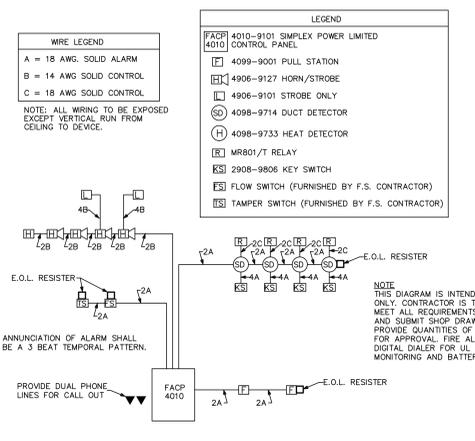


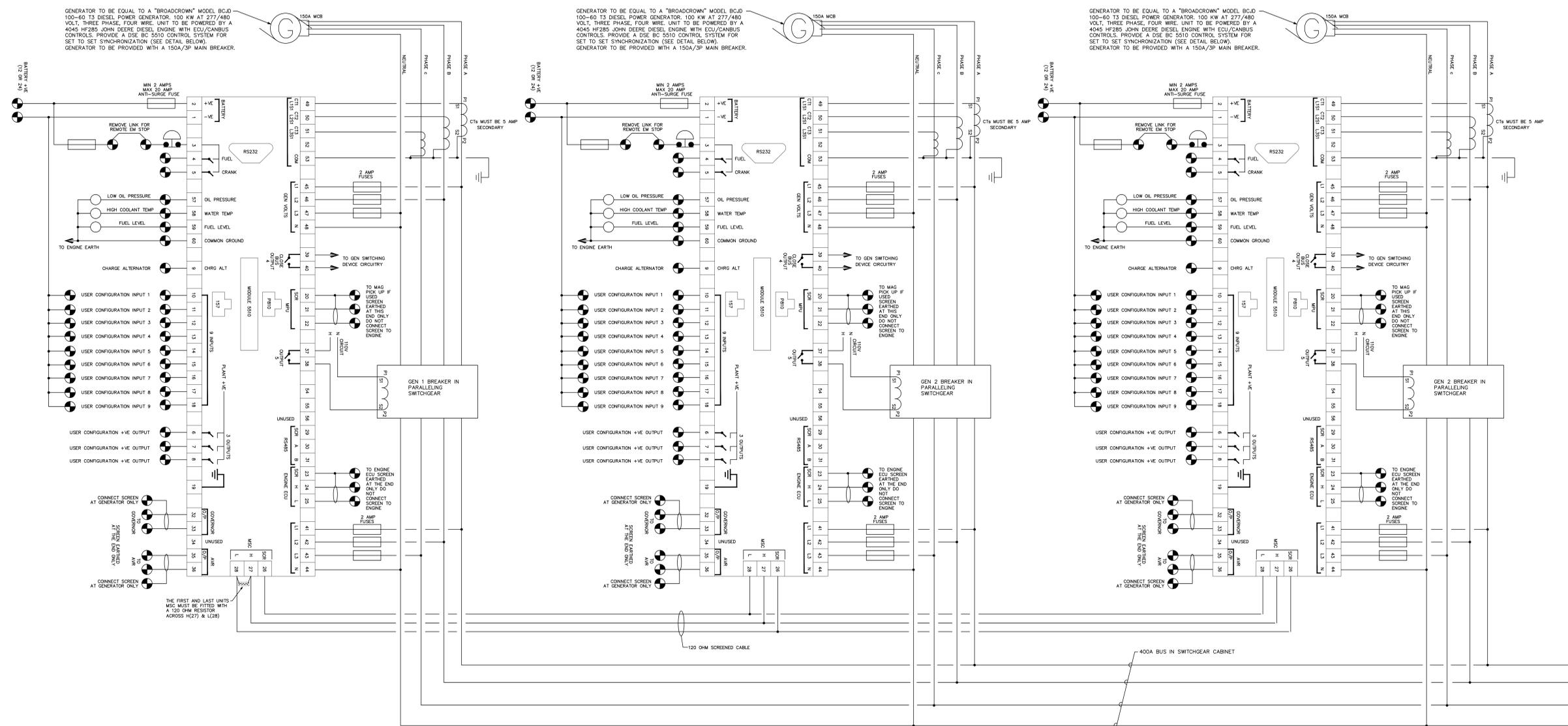
2 ELECTRICAL SERVICE RISER
NO SCALE

AS AN ALTERNATE TO THE THREE GENERATOR SETUP, CONTRACTOR SHALL PRICE ONLY PROVIDING TWO GENERATORS SIZED AT 325 KW MINIMUM. ALL OTHER ASPECTS OF THE GENERATOR SPECIFICATION GIVEN BELOW SHALL BE MET BY THE TWO GENERATOR SETUP.



1 FIRE ALARM RISER DIAGRAM
NO SCALE

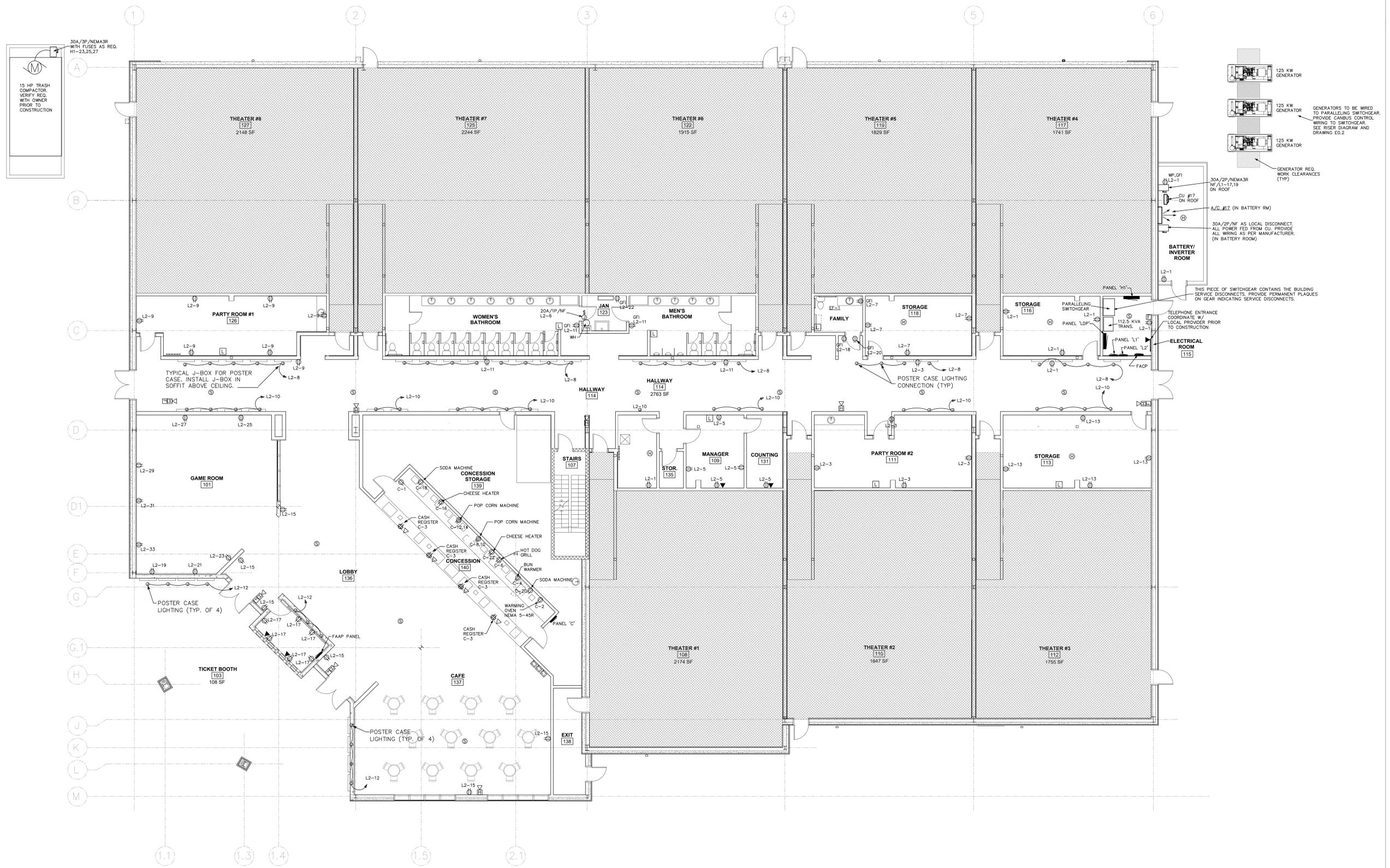




1 GENERATOR SYNC/CONTROL SYSTEM DETAIL
NO SCALE

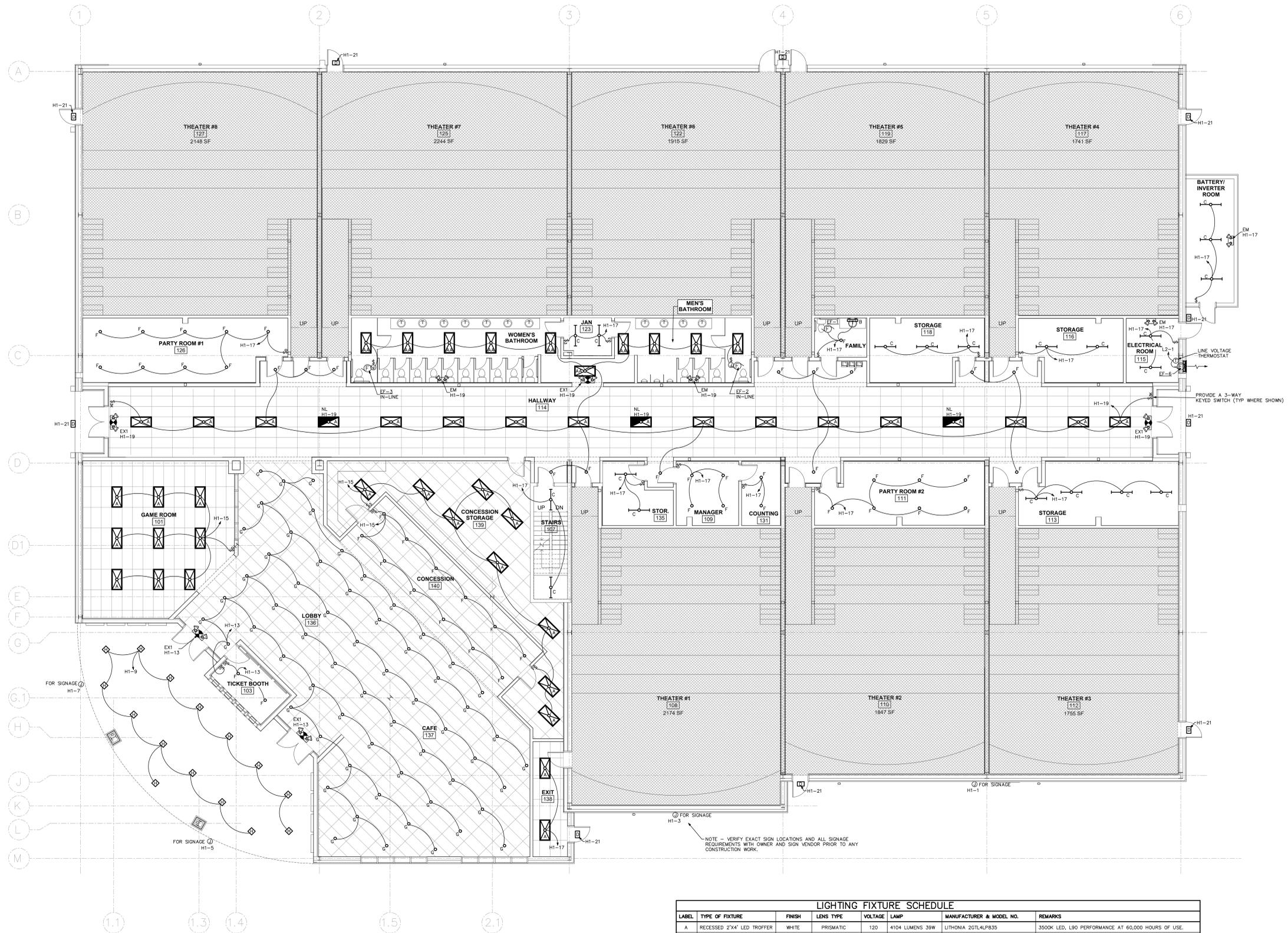


1 CISTERN PLAN - ELECTRICAL
 SCALE: 1/8"=1'-0"



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

- GENERAL NOTES:**
- COORDINATE FINAL DEVICE LOCATIONS IN CONCESSION AREA WITH OWNER AND ARCHITECT.
 - FIRE STOP ALL PENETRATIONS AT RATED ASSEMBLIES.
 - RECEPTACLES AT WET LOCATIONS SHALL BE GROUND FAULT PROTECTED.
 - VERIFY CONNECTION REQUIREMENTS OF ALL APPLIANCES AND EQUIPMENT WITH ARCHITECT PRIOR TO ROUGH-IN.
 - PROVIDE SEPARATE NEUTRAL CONDUCTOR FOR EACH CIRCUIT SERVING COMPUTER OR NON-LINEAR LOADS.

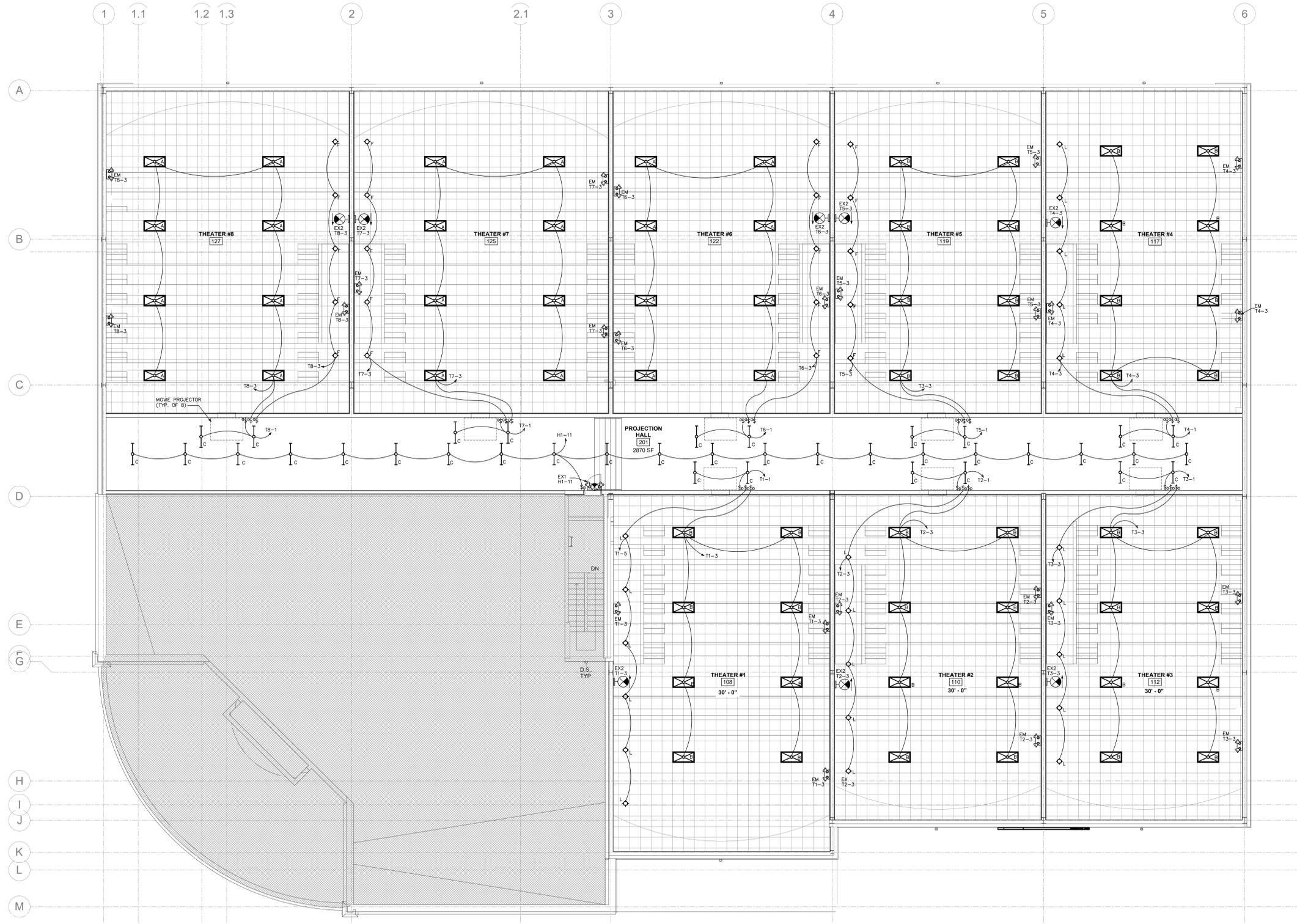


GENERAL NOTES:

- A. CONNECT ALL NITE LIGHTS, EMERGENCY LIGHTS, AND EXIT SIGNS AHEAD OF ALL LOCAL SWITCHING.
- B. SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL CEILING MOUNTED LUMINAIRES.
- C. FIELD VERIFY EXACT LOCATION OF LUMINAIRES IN MECHANICAL SPACES TO AVOID CONFLICT WITH DUCTWORK, PIPING, AND EQUIPMENT. DO NOT SUPPORT LUMINAIRES FROM DUCTWORK OR PIPING. PROVIDE CHAIN HANGERS WHERE LUMINAIRES CANNOT BE DIRECTLY MOUNTED TO CEILING OR STRUCTURE.
- D. ALL WALL MOUNTED INTERIOR AND EXTERIOR LIGHT FIXTURES SHALL BE APPROVED BY ARCHITECT TO DETERMINE MOUNTING HEIGHT PRIOR TO FIXTURE INSTALLATION.

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

LIGHTING FIXTURE SCHEDULE							
LABEL	TYPE OF FIXTURE	FINISH	LENS TYPE	VOLTAGE	LAMP	MANUFACTURER & MODEL NO.	REMARKS
A	RECESSED 2'x4' LED TROFFER	WHITE	PRISMATIC	120	4104 LUMENS 39W	LITHONIA 26TL4LPB35	3500K LED, L90 PERFORMANCE AT 60,000 HOURS OF USE.
AA	RECESSED 2'x4' LED TROFFER	WHITE	PRISMATIC	277	4104 LUMENS 39W	LITHONIA 26TL4LPB35	W/FLANGE KIT 2x4 - TO MOUNT IN SHEET ROCK CEILING
B	LED WALL BRACKET	WHITE		120/277	441 LUMENS 13W	LITHONIA RAZ24 MVOLT	
C	4' LED STRIP LIGHT	WHITE		120/277	2000 LUMENS 19W	LITHONIA WL4-20L-MVOLT-EZ1-LP830	DIMS TO 1%
D	EXTERIOR LIGHT	ALUMINUM	GLASS	277	3944 LUMENS 47W	LITHONIA WST LED 2-10A700/30K SR3 277 PE	W/ PHOTOCCELL
EM	LED EMERGENCY EGRESS	WHITE		120/277	INCLUDED	LITHONIA ELM2 LED MVOLT	W/ BATTERY BACKUP
EX	LED EXIT SIGN	WHITE	RED	120/277	INCLUDED	LITHONIA LE-SWR-120/277-ELN	W/ BATTERY BACKUP
EX1	LED EXIT/EMERGENCY LIGHT	WHITE	RED	120/277	INCLUDED	LITHONIA LHQM-LED	W/ BATTERY BACKUP
F	RECESSED LED DOWNLIGHT	WHITE		120	850 LUMENS 12.5W	LITHONIA L7X HOUSING	PROVIDE LITHONIA LK7 6" LED RECESSED FINISHING KIT
G	RECESSED LED DOWNLIGHT	WHITE		277	2545 LUMENS 39 W	CREE KR6-30L-35K-277-10V	
H	SURFACE MTD LED	WHITE	POLYCARBONATE	277	3389 LUMENS 41W	LITHONIA VRC LED MVOLT	



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

- GENERAL NOTES:**
- A. CONNECT ALL BATTERY INVERTERS AND EXIT SIGNS AHEAD OF ALL LOCAL SWITCHING.
 - B. CONNECT EMERGENCY LUMINAIRES TO BE FULL BRIGHT DURING POWER LOSS.
 - C. SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL CEILING MOUNTED LUMINAIRES.
 - D. FIELD VERIFY EXACT LOCATION OF LUMINAIRES IN MECHANICAL SPACES TO AVOID CONFLICT WITH DUCTWORK, PIPING AND EQUIPMENT. DO NOT SUPPORT LUMINAIRES FROM DUCTWORK OR PIPING. PROVIDE CHAIN HANGERS WHERE LUMINAIRES CANNOT BE DIRECTLY MOUNTED TO CEILING OR STRUCTURE.
 - E. ALL WALL MOUNTED INTERIOR AND EXTERIOR LIGHT FIXTURES SHALL BE APPROVED BY ARCHITECT TO DETERMINE MOUNTING HEIGHT PRIOR TO FIXTURE INSTALLATION.