

GENERAL NOTES (APPLICABLE TO ALL WORK AND DOCUMENTS)

- EACH CONTRACTOR, PROPOSER, SUPPLIER AND/OR MANUFACTURER SHALL REFER TO ALL DOCUMENTS PERTAINING TO THIS PROJECT AND COORDINATE ACCORDINGLY SO AS TO INSURE ADEQUACY OF FIT, COMPLIANCE WITH SPECIFICATIONS, PROPER VOLTAGE AND CURRENT CHARACTERISTICS TO AVOID CONFLICT WITH ANY OTHER BUILDING SYSTEMS. VERIFY SAME WITH SHOP DRAWINGS.
- ALL OFFSETS, TURNS, FITTINGS, TRIM, DETAIL, ETC., MAY NOT BE INDICATED, BUT SHALL BE PROVIDED AS REQUIRED. ADDITIONAL ALLOWANCES SHALL BE INCLUDED FOR SAME AT EACH PROPOSER'S DISCRETION.
- INSTALL NO PIPING, CONDUIT, DUCTWORK, ETC., IN A LOCATION OR IN A MANNER WHICH WILL ALLOW FREEZING AND THE COLLECTION OF CONDENSATION THEREON. IF IN DOUBT, CONTACT THE ENGINEERS.
- ADVISE THE ENGINEERS OF ANY CONFLICTS, ERRORS, OMISSIONS, ETC., AT LEAST TEN DAYS PRIOR TO BID DATE TO ALLOW CLARIFICATION BY WRITTEN ADDENDUM.
- DEVIATION FROM SPECIFICATIONS OF PLANS REQUIRES PRIOR WRITTEN APPROVAL FROM THE ENGINEERS AND MUST BE SUBMITTED IN WRITING NO LATER THAN TEN DAYS PRIOR TO THE BID DATE. (SEE ALSO NOTE 21).
- OBSERVE ALL APPLICABLE CODES, RULES AND REGULATIONS THAT MAY APPLY TO THE WORK UNDER THIS CONTRACT. (CITY, COUNTY, LOCAL, STATE, FEDERAL, MUNICIPALITY, UTILITY COMPANY, OSHA, ETC.)
- INSTALL EQUIPMENT, MATERIALS, ETC., IN STRICT ACCORD WITH MANUFACTURERS' RECOMMENDATIONS AND DIRECTIONS. IF IN CONFLICT WITH THE DESIGN INDICATED IN CONTRACT DOCUMENTS, ADVISE THE ENGINEERS PRIOR TO INSTALLATION FOR CLARIFICATION.
- DO NOT RECESS PANELBOARD TUBS OR OTHER FLUSH-MOUNTED EQUIPMENT IN WALLS THAT HAVE A FIRE RATING, AS REQUIRED BY CODES. NO INSTALLATION SHALL DIMINISH OR VOID FIRE RESISTIVE RATINGS IN ANYWAY.
- THE PURPOSE AND INTENT OF ALL OF THE DOCUMENTS PERTAINING TO THIS PROJECT IS TO PROVIDE A COMPLETE, FUNCTIONAL, SAFE, LIKE NEW FACILITY. ANYTHING LESS SHALL BE UNACCEPTABLE.
- ALL SYSTEMS, EQUIPMENT AND MATERIALS ARE TO BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. WORK NOT MEETING THIS CRITERION SHALL BE REMOVED AND REINSTALLED SATISFACTORILY. FINAL DETERMINATION OF THE ACCEPTABILITY OF THE QUALITY OF WORK RESIDES WITH THE ENGINEER.
- ALL WORK, MATERIALS, EQUIPMENT, ETC., SHALL BE FULLY GUARANTEED FOR ONE FULL CALENDAR YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION AS DOCUMENTED BY THE ENGINEERS, UNLESS LONGER WARRANTY PERIODS FOR EQUIPMENT ARE SPECIFIED.
- UNLESS OTHERWISE SPECIFIED OR INDICATED, ALL EQUIPMENT AND/OR MATERIALS WITHIN OCCUPIED SPACES OR EXPOSED TO VIEW ON THE BUILDING EXTERIOR SHALL BE PRIME AND FINISHED SO AS TO COMPLEMENT ADJACENT SURFACE, UNLESS OTHERWISE NOTED. COORDINATE WORK WITH ARCHITECT.
- WHERE PENETRATING NEW/EXISTING ROOFING MEMBRANE OR OTHER MATERIALS USED FOR WEATHERPROOFING THE BUILDING, MAKE SUCH PENETRATION IN A WAY THAT WILL NOT VOID OR DIMINISH THE ROOFING WARRANTY OR INTEGRITY IN ANYWAY. COORDINATE ALL SUCH PENETRATIONS WITH THE ROOFING INSTALLER/ARCHITECT.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY COMPANY FEES, OR OTHER COSTS THAT THE UTILITY COMPANY MAY REQUIRE TO COMPLETE THEIR WORK. (ELECTRIC, TELEPHONE, TELEVISION, ETC.)
- COORDINATE WITH ARCHITECTURAL FLOOR PLANS, ELEVATIONS AND CASEWORK DETAILS FOR LOCATION OF RECEPTACLES, UTILITY OUTLETS, ELECTRICAL DEVICES, ETC.
- UNLESS OTHERWISE SPECIFIED OR INDICATED, INSTALL LIGHT FIXTURES, SMOKE DETECTORS, SPEAKERS AND OTHER CEILING MOUNTED APPURTENANCES IN THE CEILING IN A SYMMETRICAL PATTERN, UNLESS SPECIFICALLY INDICATED OTHERWISE.
- CEILING-MOUNTED ELECTRICAL DEVICES SHALL BE CENTERED IN 2' X 2' CEILING TILE AND INSTALLED CENTERED ON 2" DIMENSION OF 2' X 4' TILE AND ON CENTERLINE OR A QUARTER POINT ON 4" DIMENSION, AS INDICATED.
- ANY VIBRATING, OSCILLATING OR OTHER NOISE OR MOTION PRODUCING EQUIPMENT SHALL BE ISOLATED FROM SURROUNDING SYSTEMS IN AN APPROVED MANNER. NOisy OR STRUCTURALLY DAMAGING INSTALLATIONS SHALL BE SATISFACTORILY REPLACED OR REPAIRED AT THE INSTALLING CONTRACTOR'S EXPENSE. THE FINAL DECISION ON THE SUITABILITY OF A PARTICULAR INSTALLATION'S ACCEPTABILITY SHALL BE THAT OF THE ENGINEER.
- CHECK ALL THREE PHASE MOTORS WITH A ROTATION METER, PRIOR TO PLACING IN SERVICE.
- PROVIDE DETAILED SHOP DRAWINGS TO ENGINEERS PRIOR TO PURCHASING AND INSTALLING ANY EQUIPMENT.
- DEVIATIONS IN SIZES, CAPACITIES, FIT, FINISH, ETC., FOR EQUIPMENT FROM THAT PRIME SPECIFIED SHALL BE THE RESPONSIBILITY OF THE PURCHASER OF THAT EQUIPMENT. ANY PROVISIONS REQUIRED TO ACCOMMODATE A DEVIATION, WHETHER APPROVED BY THE ENGINEERS OR NOT, SHALL BE THE RESPONSIBILITY OF THE PURCHASER.
- THE CONSTRUCTION MANAGER, GENERAL CONTRACTOR, OR WHOMEVER HOLDS THE PRIME CONTRACT(S) FOR THIS CONSTRUCTION IS RESPONSIBLE FOR THE COORDINATION, APPEARANCE, SCHEDULING AND TIMELINESS OF THE WORK OF ALL TRADES, CONTRACTORS, SUPPLIERS, INSTALLERS, ETC., POOR OR UNTIMELY WORK ON THE PART OF ANY SUBCONTRACTOR SHALL BE RESOLVED BY THE PARTY WHO ENGAGED THEM ON THIS PROJECT.
- WHERE MOUNTING HEIGHTS ARE NOT INDICATED OR ARE IN CONFLICT WITH ANY OTHER BUILDING SYSTEMS, CONTACT THE ENGINEERS BEFORE AFFECTING INSTALLATION. REFER ALSO TO ARCHITECTURAL WALL, INTERIOR AND EXTERIOR WALL ELEVATIONS, CEILING HEIGHTS, AND OTHER DETAILS OF THESE DOCUMENTS, AS APPLICABLE.
- WHERE FIRE RATED CEILING ASSEMBLIES ARE NOTED, PROVIDE RATED, APPROVED GYPSUM BOARD ENCLOSURES ABOVE LIGHT FIXTURES, CEILING DEVICES, ETC., IN OR ON CEILING, TO MAINTAIN CEILING RATINGS.
- COORDINATE THE LOCATION OF DRAINS, ELECTRICAL, GAS OUTLETS, ETC., WITH ALL CASEWORK, KITCHEN EQUIPMENT, MECHANICAL ROOM EQUIPMENT, ETC., PRIOR TO COMMENCING INSTALLATION. WORK NOT SO COORDINATED SHALL BE REMOVED AND PROPERLY INSTALLED AT THE EXPENSE OF THE RESPONSIBLE CONTRACTOR(S).

GENERAL NOTE:
 THIS CONTRACTOR MUST REFER TO DIVISION 1 SPECIFICATIONS FOR ALLOWANCES THAT MUST BE INCLUDED BY THIS CONTRACTOR.

- ALL ELECTRICAL COMPONENTS OR EQUIPMENT SHALL BE LABELED BY UNDERWRITER'S LABORATORIES OR OTHER APPROVED LISTING AGENCY. APPROVED AND LABELING OF INDIVIDUAL COMPONENTS ON AN ASSEMBLY IS NOT ACCEPTABLE AS MEETING THIS REQUIREMENT. UNLESS WAIVED BY THE ENGINEER IN WRITING.
- ALL WIRING SYSTEMS SHALL BE INSTALLED WITH A MINIMUM OF SPLICES. CONDUCTORS, WHETHER SINGLE OR MULTI-PAIR SHALL BE INSTALLED CONTINUOUS UNLESS AS POSSIBLE FROM TERMINAL POINT TO TERMINAL POINT.
- ALL CONTRACTORS SHALL EXERCISE EXTREME CARE IN THE COURSE OF THEIR WORK SO AS TO INSURE THAT THEY DO NOT INTERRUPT ANY EXISTING SERVICE OR SUB-SERVICE FOR SAFETY PURPOSES, PAY PARTICULAR ATTENTION TO THIS PRECAUTION RELATIVE TO NATURAL GAS AND ELECTRICAL LINES. VERIFY THE LOCATION, SIZE, TYPE, ETC., OF EACH UNDERGROUND OR OVERHEAD UTILITY. ALL WORK SHALL BE PERFORMED IN ACCORD WITH ALL FEDERAL, STATE AND/OR LOCAL RULES, REGULATIONS, STANDARD AND SAFETY REQUIREMENTS. UTILITIES SHALL BE INSTALLED IN ACCORD WITH THE APPLICABLE MUNICIPALITY OR UTILITY COMPANY STANDARDS. IN ALL CASES, THE MOST STRINGENT REQUIREMENT SHALL APPLY.
- ALL SUPPORTS FOR EQUIPMENT, DEVICES OR FIXTURES SHALL BE UNIQUE FROM THE BUILDING STRUCTURE. DO NOT SUPPORT WORK FROM OTHER TRADES, EQUIPMENT OR SUPPORTS WITHOUT WRITTEN PERMISSION FROM THE ENGINEER AND CONSENT OF THE OTHER TRADE, IN WRITING. SUPPORTING FROM CROSS BRACING OR ROOF DECK WILL NOT BE ALLOWED.
- WHERE INTERRUPTING AN EXISTING UTILITY OR SERVICE DELIBERATELY OR ACCIDENTALLY, THE RESPONSIBLE CONTRACTOR SHALL WORK CONTINUOUSLY AS NEEDED TO RESTORE SAME, PROVIDING PREMIUM TIME AS NEEDED.
- REFER TO ARCHITECTURAL WALL ELEVATIONS (WHERE GIVEN) FOR HEIGHTS AND MOUNTING RELATIONSHIP OF OUTLETS AND EQUIPMENT. IF IN DOUBT, CONTACT THE ENGINEER FOR CLARIFICATION PRIOR TO INSTALLING WORK.
- FLUSH OR PEDIestal - TYPE FLOOR OUTLETS, AS INDICATED ON PLAN SHALL BE LOCATED BY DIMENSIONS PROVIDED BY THE ARCHITECT, UNLESS OTHERWISE SHOWN ON PLANS. IF IN DOUBT, CONTACT THE ENGINEER PRIOR TO INSTALLING ANY WORK.
- INDUSTRIAL STRIP FIXTURES - SEE SCHEDULE
- OUT LIGHT - SEE SCHEDULE
- UNDERCABINET - SEE SCHEDULE
- LINEAR DIRECT/INDIRECT - SEE SCHEDULE
- LIGHTING RELAY - SEE SCHEDULE
- EMERGENCY LIGHT BATTERY - SEE SCHEDULE
- EMERGENCY BYPASS RELAY - SEE SCHEDULE
- NOTE: FOR CORRIDOR NIGHT LIGHT FIXTURES (SAME AS B-LEVEL SWITCH W/ SOLE NIGHT LIGHT)
- SMPLX - 1'-4"
- DUPLEX - SAFETY TYPE - 1'-4"
- DUPLEX - 1'-4"
- DUPLEX - 1'-4"
- DUPLEX (ABOVE COUNTERTOP) - 8" A.C.T.
- DUPLEX WITH INTEGRAL GROUND FAULT PROTECTION - 1'-4"
- GANG RECEPTACLE IN COMBINATION WITH SWITCH (PROVIDE UNDER IF LIGHTING CIRCUIT IS 277V) - 4"
- QUADREXPLE RECEPTACLE - 1'-4"
- JUNCTION BOX - AS NOTED
- 20A / 20P / 20R / 20S RECEPTACLE, NEMA 14-30R - HUBBELL PHASOR - 4"
- 20A / 20P / 20R / 20S RECEPTACLE, AS NOTED - 1'-4"
- DUPLEX - IN KITCHEN (ABOVE FLOOR) - FLOOR
- DUPLEX - SURGE SUPPRESSOR TYPE - 1'-4"
- DUPLEX - WITH LOADABLE, DIE CAST WEATHERPROOF COVER (INTERCOM #10101MC OR APPROVED EQUAL) - 2"
- ONE RECESSIBLE WALL-MOUNTED FLOOR BOX FOR INSTALLATION IN WOOD FLOORING. PROVIDE FLOOR CUTTER WITH CUTTING FLAVOR ACCESS. UNIT SHALL HOUSE ONE DUPLEX OUTLET, AND ONE ADD-ON POWER OUTLET. FLOOR BOX SHALL BE WALKWAY # BROW-2078 - BERRY/RESORCINOL OR APPROVED EQUAL. PROVIDE COMPLETE WITH BRASS FLOOR AND NECESSARY ACCESSORIES.
- DO NOT SCALE FROM DRAWINGS, AS PRINTING DISTORTS SCALE. WORK SHALL BE LAID OUT FROM DIMENSIONED DRAWINGS, OR DIMENSIONS SUPPLIED TO THE CONTRACTOR.

SYSTEM	ITEM	DEVICE MODEL # REFER TO SPEC. IF NONE LISTED	BACKBOX COVER IF APPLICABLE	MOUNTING HEIGHT (TO BOTTOM OF BOX)	DRAWING SYMBOL
SYSTEM SWITCHES	LIGHT SWITCH - GENERAL PURPOSE			4"	S
	Pilot Light Switch (ILLUMINATED WHEN LOAD IS ON)			4"	S PL
	DIMMER SWITCH			4"	S D
	THREE-WAY SWITCH			4"	S 3
	FOUR-WAY SWITCH			4"	S 4
	NEED SWITCH			4"	S N
	TIMER SWITCH 0-15 MIN			4"	S T
	MANDATORY CONTACT SWITCH			4"	S MC
	LIGHT SWITCH W/ INTEGRAL INERTRIP MOTOR SENSOR AND AUTO/MANUAL ON/OFF OPERATION	NOVOTAS #1-290		4"	S VID
	SPEED SENSOR	UNENCO P18-100P		4"	S POS
FAN SPEED CONTROL SWITCH	AS NOTED		4"	S P	
PHOTO-CELL AS NOTED	AS NOTED		AS NOTED	PC	
CEILING MOUNTED DOME OCCUPANCY SENSOR				OS	
CORNER MOUNTED DOME OCCUPANCY SENSOR				OS	
LIGHTING	FLUORESCENT WALL MOUNT	SEE SCHEDULE		7'-0" w/ AS NOTED	FL
	2' X 2' FLUORESCENT TRIFLER	SEE SCHEDULE		CEILING	FL
	2' X 4' FLUORESCENT TRIFLER	SEE SCHEDULE		CEILING	FL
	DOWNLIGHT	SEE SCHEDULE		CEILING	FL
	INDUSTRIAL STRIP FIXTURE	SEE SCHEDULE		CEILING	FL
	OUT LIGHT	SEE SCHEDULE	MINIMUM 2'-0" A.F.T.	AS NOTED	FL
	UNDERCABINET	SEE SCHEDULE		AS NOTED	FL
	LINEAR DIRECT/INDIRECT	SEE SCHEDULE		AS NOTED	FL
	LIGHTING RELAY	SEE SCHEDULE		AS NOTED	LR
	EMERGENCY LIGHT BATTERY	SEE SCHEDULE		AS NOTED	ER
EMERGENCY BYPASS RELAY	SEE SCHEDULE		AS NOTED	ER	
NOTE: FOR CORRIDOR NIGHT LIGHT FIXTURES (SAME AS B-LEVEL SWITCH W/ SOLE NIGHT LIGHT)					
POWER OUTLETS	SMPLX			1'-4"	○
	DUPLEX - SAFETY TYPE			1'-4"	○ S
	DUPLEX			1'-4"	○
	DUPLEX (ABOVE COUNTERTOP)			8" A.C.T.	○ A.C.T.
	DUPLEX WITH INTEGRAL GROUND FAULT PROTECTION			1'-4"	○ GF
	GANG RECEPTACLE IN COMBINATION WITH SWITCH (PROVIDE UNDER IF LIGHTING CIRCUIT IS 277V)			4"	○ S
	QUADREXPLE RECEPTACLE			1'-4"	○ QP
	JUNCTION BOX			AS NOTED	○
	20A / 20P / 20R / 20S RECEPTACLE, NEMA 14-30R	HUBBELL PHASOR		4"	○
	20A / 20P / 20R / 20S RECEPTACLE, AS NOTED			1'-4"	○
DUPLEX - IN KITCHEN (ABOVE FLOOR)			FLOOR	○	
DUPLEX - SURGE SUPPRESSOR TYPE			1'-4"	○ SS	
DUPLEX - WITH LOADABLE, DIE CAST WEATHERPROOF COVER (INTERCOM #10101MC OR APPROVED EQUAL)			2"	○ WP	
ONE RECESSIBLE WALL-MOUNTED FLOOR BOX FOR INSTALLATION IN WOOD FLOORING. PROVIDE FLOOR CUTTER WITH CUTTING FLAVOR ACCESS. UNIT SHALL HOUSE ONE DUPLEX OUTLET, AND ONE ADD-ON POWER OUTLET. FLOOR BOX SHALL BE WALKWAY # BROW-2078 - BERRY/RESORCINOL OR APPROVED EQUAL. PROVIDE COMPLETE WITH BRASS FLOOR AND NECESSARY ACCESSORIES.			FLOOR	○	
DUPLEX RECEPTACLE IN FLOOR				○ P	
QUADREXPLE RECEPTACLE IN FLOOR				○ QP	
MISC	CONDUIT CONCEALED IN WALLS OR IN ABOVE CEILING (ARROWS) INDICATES HOME RUN & # OF CIRCUITS. MARKSMARKS INDICATE # OF CONDUCTORS				○
	SHIELD LINES INDICATED CONDUIT SHALL BE ROUTED UNDERLAP OR AS OTHERWISE NOTED. (SEE REQUIREMENTS FOR SHIELDING)				○
	RECESSED SWITCH			5'-0"	○
	MAGNETIC STARTER			5'-0"	○
	MAGNETIC COMBINATION STARTER			5'-0"	○
	ENCLOSED FLUSH MTR. CIRCUIT BREAKER			5'-0"	○
	PROPAGATION STATION			4"	○
	FLEXIBLE CONDUIT (SEE SPECIFICATIONS FOR TYPES PERMITTED)			7" TO TOP	○
	NORMAL PANELBOARD, SURFACE OR FLUSH MOUNTED			AS NOTED	○
	TRANSFORMER			AS NOTED	○
MANUAL MOTOR STARTER - STARTER SWITCH	SQUARE D CLASS 2510		AS NOTED	○	
EMERGENCY POWER CIRCUIT				○	
EQUIPMENT # INDICATOR				○	
TAGGED NOTE				○	
3/4" DIA CONDUIT (LOCK) STUB UP ABOVE SUSPENDED CEILING (SEE DETAILS)				○	
MECHANICAL EQUIPMENT DESIGNATOR (SEE MECH. SCHEDULES)				○	
TOWNER CABINET SURFACE OR FLUSH MOUNTED AS NOTED				○	
CABLE TRAY AS NOTED	SEE DETAILS			EB	
BROKE RING / HOOK CABLE PATH	SEE DETAILS			EB	
DOORBELL PUSHBUTTON (NO-TONE)	AS NOTED		4"	DB	
DOOR BELL AUDIO/VISUAL (NO-TONE)	AS NOTED		8'-0"	DB	
EQUIPMENT HARDWARE CONNECTION (SEE DETAILS)				○	
EQUIPMENT OUTLET COUPLING CONNECTION (SEE DETAILS)				○	
REVISION NOTE				○	
INTERCOM/AUDIO REMOTE STATION (PHONE)	AS NOTED		4"	IC	
INTERCOM/AUDIO MASTER STATION (PHONE)	AS NOTED			IM	
PUSH PLATE DOOR OPERATOR				PP	

SYSTEM	ITEM	DEVICE MODEL # REFER TO SPEC. IF NONE LISTED	BACKBOX COVER IF APPLICABLE	MOUNTING HEIGHT (TO BOTTOM OF BOX)	DRAWING SYMBOL
SYSTEM DATA/VOICE/VIDEO	DATA OUTLET: NUMBER BESEDE OUTLET INDICATES NUMBER OF DATA JACKS THAT TELECOMMUNICATIONS VENDOR WILL BE INSTALLING. IF NO NUMBER IS INDICATED, THERE SHALL BE TWO DATA JACKS.		16	1'-4"	○
	DATA/VOICE OUTLET IN FLOOR AS NOTED.			FLOOR	○
	TELEVISION/AUDIO SYSTEM OUTLET AND DUPLEX POWER RECEPTACLE (W/ # WALL BRACKET SHOWN)		20	1'-4"	○
	COMMUNICATION ROOM-IN ONLY PROVIDE BLANK COVER PLATE.				○
	SPECIAL VIDEO SYSTEM SIGNAL INPUT				○
	OUTLET: ABOVE COUNTERTOP			ABOVE CENTER	○
	OUTLET: WALL MOUNTED			4'-0"	○
	OUTLET (VOICE ONLY): PIVOTONE TYPE	AS REQUIRED		AS REQUIRED	○
	MAIN DISTRIBUTION FRAME RACK - REFERENCE DATA SYSTEM SCHEMATICS AND DETAILS FOR ADDITIONAL INFORMATION PER REQUIREMENTS.				MDR
	INTERMEDIATE DISTRIBUTION FRAME RACK - REFERENCE DATA SYSTEM SCHEMATICS AND DETAILS FOR ADDITIONAL INFORMATION PER REQUIREMENTS.				IDR
PAGING/CLOCK	PAGING SPEAKER (CEILING) ASSEMBLY			CEIL.	○
	PAGING SPEAKER (CEILING) ASSEMBLY WITH INTEGRAL VOLUME CONTROL			CEIL.	○
	WALL MOUNTED RECESSED PAGING SPEAKER			CEIL.	○ R
	WALL MOUNTED PAGING HORN			8'-0"	○
	WALL VOLUME CONTROL			4"	○
	PAGING MICROPHONE INPUT			1'-4"	○
	CALL INITIATION STATION			4"	○
	DOUBLE FACE ANALOG CLOCK				○
	SINGLE FACE ANALOG CLOCK				○
	SINGLE FACE DIGITAL CLOCK - ON WALL				○
DOUBLE FACE DIGITAL CLOCK - DND MOUNTED ON WALL				○	
P.A./FILE-CENTER/CLOCK SYSTEM RACK				○	
LOCAL SOUND AMPLIFICATION	WALL MICRO-PHONE OUTLET: SINGLE			1'-4"	○
	WALL MICRO-PHONE OUTLETS (IF AS NOTED)			1'-4"	○
	FLOOR MICRO-PHONE OUTLET: SINGLE			FLOOR	○
	FLOOR MICRO-PHONE OUTLETS (IF AS NOTED)			FLOOR	○
	SOUND SPEAKER			CEIL.	○
	CATERERA SOUND SYSTEM AMPLIFIER			7" TO TOP	○
	DIAPHRAN SOUND SYSTEM AMPLIFIER			7" TO TOP	○
	MAIN CONTROL PANEL CENTRAL PROCESSING UNIT (CPU)			8'-0" TO TOP	○
	PULL STATION: SINGLE ACTION			4"	○
	PULL STATION: DOUBLE ACTION			4"	○
ELECTRONIC CHIME / ADA STROBE				○	
HORN UNIT ONLY				○	
STROBE UNIT ONLY				○	
PHOTO-ELECTRIC SMOKE DETECTOR			CEIL.	○	
PHOTO-ELECTRIC SMOKE DETECTOR/HEAT DETECTOR FOR ELEVATOR CONTROL			CEIL.	○	
HEAT DETECTOR			CEIL.	○	
HEAT DETECTOR: 200' - RATE OF RISE			CEIL.	○	
CEILING SPEAKER WITH FIRE LABEL			CEIL.	○	
DOOR HOLDER: WALL TYPE			7'-0"	○	
DOOR HOLDER: CLOSURE TYPE	ADA DOOR			○	
DACT SMOKE STARTER	BY MEDIA			○	
CONNECTION TO SPRINKLER FLOW SWITCH WITH ADDRESSABLE MODULE	AS REQUIRED			○	
CONNECTION TO SPRINKLER TAMPER SWITCH WITH ADDRESSABLE MODULE	AS REQUIRED			○	
PRESSURE SWITCH				○	
POST INDICATOR VALVE				○	
REMOTE L.C.D. ANNUNCIATOR			48" TO CENTER	○	
ADA STROBE LIGHT WITH "FIRE" LABEL				○	
REMOTE "EXIT" COMMAND STATION	EXIT/REWARD PRINTER		8" ACT.	○	
REMOTE REPORTING TELEPHONE DIALER			AS REQUIRED	○	
INDICATES NEW DEVICE IN EXISTING LOCATION				○	
FLUSH-MOUNTED REMOTE ALARM INDICATING STATION				○	
"N" INDICATES DEVICE SHALL BE PROVIDED WITH WIRE GUARD				○	

SYSTEM	ITEM	DEVICE MODEL # REFER TO SPEC. IF NONE LISTED	BACKBOX COVER IF APPLICABLE	MOUNTING HEIGHT (TO BOTTOM OF BOX)	DRAWING SYMBOL
SYSTEM SURFACE WIREWAY	THICK "STRAIGHT" LINES INDICATE SURFACE PAINTED STEEL WIREWAY (PANT TO MATCH ADJACENT SURFACES). USE THE FOLLOWING WIREWELD OR EQUAL SIZES & RACKETS FOR THE FOLLOWING APPLICATIONS (EQALS) - FOR A USE MAXIMUM FILL: POWER (3 CIRCUITS MAXIMUM); #100 (9 CIRCUITS MAXIMUM); #1200 DATA/VOICE (4 CABLES MAXIMUM); #100 DATA/VOICE (8 CABLES MAXIMUM); #2000 DATA/VOICE (10 CABLES MAXIMUM); #2100 DATA/VOICE (10 CABLES MAXIMUM). THE ABOVE CABLES ARE BASED ON 2" O.D. ON DATA/VOICE CABLE NUMBERS - EACH OUTLET SHALL BE COUNTED AS FOUR CABLES.				○
	SURFACE WIREWAY OUTLET BOX FOR OUTLET INDICATED OR JUNCTION BOX. OUTLET BOX SHALL BE 2'-1/2" DEEP AT A MINIMUM.				○
	SURFACE WIREWAY RACKER RISE UP WALL (OR DOWN IF INDICATED) TO ACCESSIBLE CEILING/ATRIC SPACE (UP TO HORIZONTAL WIREWAY WEDGE INDICATED). WHERE SHOWN WITH OUTLET, PROVIDE WITH OUTLET BOX AT BASE OF VERTICAL RISER.				○
	SURFACE PLUG-WIDE AS NOTED				○
	DUAL SERVICE NONMETALLIC SURFACE MOUNTED WIREWAY (WIREWELD PLANO) OR APPROVED EQUAL. PROVIDE RACKETS COMPLETE WITH "IN-LINE" BRACKET. PROVIDE RACKETS COMPLETE WITH "IN-LINE" BRACKET. PROVIDE OFFSETS, COVERS (OWN SWAP), DISTANCE AND END FITTINGS. TYPICAL "TEST" TYPE, ETC., AS REQUIRED FOR COMPLETE INSTALLATION. ALL WIREWELDS SHALL BE ACCOMPANIED WITH "FULL CAPACITY RADIUS ELBOW" (WIREWELD) WITH 90 DEGREE OR APPROVED EQUAL. COLOR SHALL BE SELECTED BY ARCHITECT AT TIME OF SUBMITTAL FROM MANUFACTURER'S SHOWROOM.				○
	"IN-LINE" DUPLEX RECEPTACLE - PROVIDE AND INSTALL DEVICE IN RACKETS COMPLETE WITH "OWN SWAP" COVER DEVICE BRACKET (WIREWELD) (EASOR OR APPROVED EQUAL).				○
	"IN-LINE" DUAL DATA OUTLET - PROVIDE AND INSTALL DEVICE IN RACKETS COMPLETE WITH "OWN SWAP" COVER DEVICE BRACKET (WIREWELD) (EASOR OR APPROVED EQUAL). PROVIDE 8" x 4" FACILITATE WIREWELD BRACKET OR APPROVED EQUAL AND DATA DATA JACKS AS DESCRIBED IN DIVISION 16 SPECIFICATIONS.				○
	SURFACE MOUNTED SERVICE ENTRY FOR BOTH DATA (D) AND 120V POWER (P) - PROVIDE "TIE" (WIREWELD) (EASOR OR APPROVED EQUAL) OR "TIE" (WIREWELD) (EASOR OR APPROVED EQUAL) TO TRANSITION TO VERTICAL RUN OF SURFACE WIREWAY AND OTHER SURFACE WIREWAY TO ABOVE ACCESSIBLE CEILING SPACE AND TRANSITION TO CONDUIT WITH "OWN SWAP" (WIREWELD) (EASOR OR APPROVED EQUAL). COORDINATE CUTTING OF LAY-IN CEILING TILES WITH GENERAL CONTRACTOR AS REQUIRED.				○
	RECESSED SERVICE ENTRY FOR BOTH DATA (D) AND 120V POWER (P) - DIVIDED SERVICE ENTRY END FREE (WIREWELD) (EASOR OR APPROVED EQUAL) AT END OF RACKETS. PROVIDE TWO (2) 1'-1/4" DIA. CONDUIT "SUB-OUTS" AND ONE (1) 1" CONDUIT FITED FOR 120V ELECTRICAL POWER.				○
	NOTE: FIED ALL INTERIOR SYSTEM DEVICES VIA A FLUSH MOUNTED OUTLET BOX WITH 3/4" STUD-OUT TO BREAK RING SYSTEM. PROVIDE INSULATED THROAT BRUSHING ON STUD-OUT. FULL SERVICE CABLE THROUGH BRISG BUSH TO CONTROL PANELS. ALL SECURITY SYSTEM CABLES AND DEVICE LOCATIONS SHALL BE IDENTIFIED WITH THE OWNER PRIOR TO ROOM-IN WORK.				○
NEW CEILING MOUNTED INTERCOM SECTION LOCATED AT LEAST 24" AWAY FROM ANY AIR DIFFUSER. (DETECTION SYSTEMS (R03690))				○	
HYDRA STATION, FLUSH-MOUNTED WITH CENTERLINE AT 54" A.F.F. - (ARTICH 21100R REVPAD - SEE SPECIFICATIONS)				○	
CARD READER				○	
DOOR ALARM CONTACT SWITCH				○	
NEW CEILING MOUNTED "DOME" TYPE CCTV CAMERA SHALL BE STEREO RESOLUTION 8 & M CAMERA WITH "THROCK DOME" (PELCO #C1500 OR APPROVED EQUAL)				○	
NEW CAMERAS TO BE CONNECTED TO "SMART" INPUTS OR DIGITAL MULTIPLEXERS. PROVIDE NEW CABLES, POWER SUPPLIES, ETC., TO ADD TO EXISTING CCTV SYSTEM.				○	
ABBREVIATIONS	UNLESS OTHERWISE NOTED				○
	OWNER FURNISHED, CONTRACTOR INSTALLED				○
	OWNER FURNISHED, OWNER INSTALLED				○
	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED				○
	CONTRACTOR FURNISHED, OWNER INSTALLED				○
	CONTRACTOR FURNISHED, OWNER INSTALLED				○
	INDICATES EMERGENCY POWER				○
					○
					○
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UNIVERSITY LOFTS - Renovate Academic Facility

ELECTRICAL LEGEND | Job Number: 1205 | Date: 03/20/21 | Drawn By: CE/CRK | Checked By: JMS | Revision: XXX

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212 North Upper Street
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Omni
 ARCHITECTS

PRE-DESIGN

E1.0

1 ELECTRICAL DEMO BASEMENT PLAN
1/8" = 1'-0"



- GENERAL DEMOLITION NOTES
- HEAVY DASHED LINES INDICATE ITEMS FOR REMOVAL (U.O.N.) AND LIGHT SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.
 - THE CONTRACTOR SHALL MAINTAIN THE CONTINUITY OF EXISTING CIRCUITS THAT CONTAIN DEVICES OR EQUIPMENT THAT ARE TO REMAIN. WHEN DEMOLITION OF AN ELECTRICAL DEVICE (OR CIRCUIT) IS INDICATED ON THE DRAWINGS, THE CONTRACTOR SHALL INSURE THAT OTHER DEVICES OR EQUIPMENT "UPSTREAM" OR "DOWNSTREAM" ON THE CIRCUITS SHALL REMAIN IN THE DEMOLITION WORKING ORDER. "LEFT-OVER" CIRCUIT BREAKERS SHALL REMAIN AND BE LABELED AS SPARES IN THEIR PANELS. PROVIDE NEW TYPEWRITTEN DIRECTORIES FOR ALL PANELS AFFECTED.
 - LOCATIONS OF DEVICES, CONNECTIONS, ETC., INDICATED ON THIS DRAWING WERE TAKEN FROM VARIOUS SOURCES. THEY ARE DIAGRAMMATIC ONLY AND ARE SUBJECT TO VARIATION FROM EXISTING CONDITIONS. CERTAIN EXISTING ELEMENTS MAY NOT BE INDICATED AT ALL. THE CONTRACTOR PROPOSING TO DO ANY PART OF THE WORK INDICATED HEREON SHALL VISIT THIS SITE AND DETERMINE TO HIS SATISFACTION THAT THEY MAY COMPLETE ALL WORK REQUIRED FOR THE BID WHICH HE PROPOSES.
 - REMOVE ALL ASSOCIATED CONDUIT AND CONDUCTORS FOR DEVICES/FIXTURES/ETC. BEING REMOVED, WHETHER INDICATED OR NOT (U.O.N.).
 - COORDINATE DISPOSAL OF ALL FIXTURES, DEVICES, ETC. (INDICATED FOR DEMOLITION) WITH THE OWNER.
 - CONTRACTOR TO VERIFY THAT THERE ARE NO ELECTRICAL CIRCUITS IN CHASES BEING REMOVED UNDER DEMOLITION WHICH MUST REMAIN IN SERVICE AND CANNOT BE REMOVED. SHOULD SUCH CIRCUITS BE ENCOUNTERED, THE CONTRACTOR IS TO REROUTE AND RECONNECT AS REQUIRED TO MAINTAIN SERVICE.
 - THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR AREAS IN WHICH THE CEILING IS REMAINING. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING THE EXISTING CEILING AS REQUIRED. TEMPORARILY SUPPORT LIGHTS, DIFFUSERS, CEILING ETC. REPLACE BROKEN CEILING TILES WITH NEW. FIELD VERIFY EXACT REQUIREMENTS.
 - ALL OUTAGES SHALL BE SCHEDULED THROUGH THE UK CPMD PROJECT REPRESENTATIVE FOR PROPER COORDINATION. A REQUEST FOR AN OUTAGE SHALL BE SUBMITTED IN WRITING A MINIMUM OF TWO WEEKS IN ADVANCE.

- ELECTRICAL DEMO BASEMENT PLAN TAGGED NOTES
- EXISTING ELECTRICAL DEVICE TO REMAIN. REWORK CIRCUIT TO NEW ELECTRICAL PANEL.
 - EXISTING PANEL HPW TO BE REMOVED. 400 AMP, MLO. PANEL TO BE SALVAGED AND REUSED.

UNIVERSITY LOFTS - Renovate Academic Facility UK School of Art & Visual Studies

ELECTRICAL DEMO BASEMENT PLAN

NOT FOR CONSTRUCTION Job Number: 1205

Date: 03/2013

Drawn By: Author

Checked By: Checker

Revision:

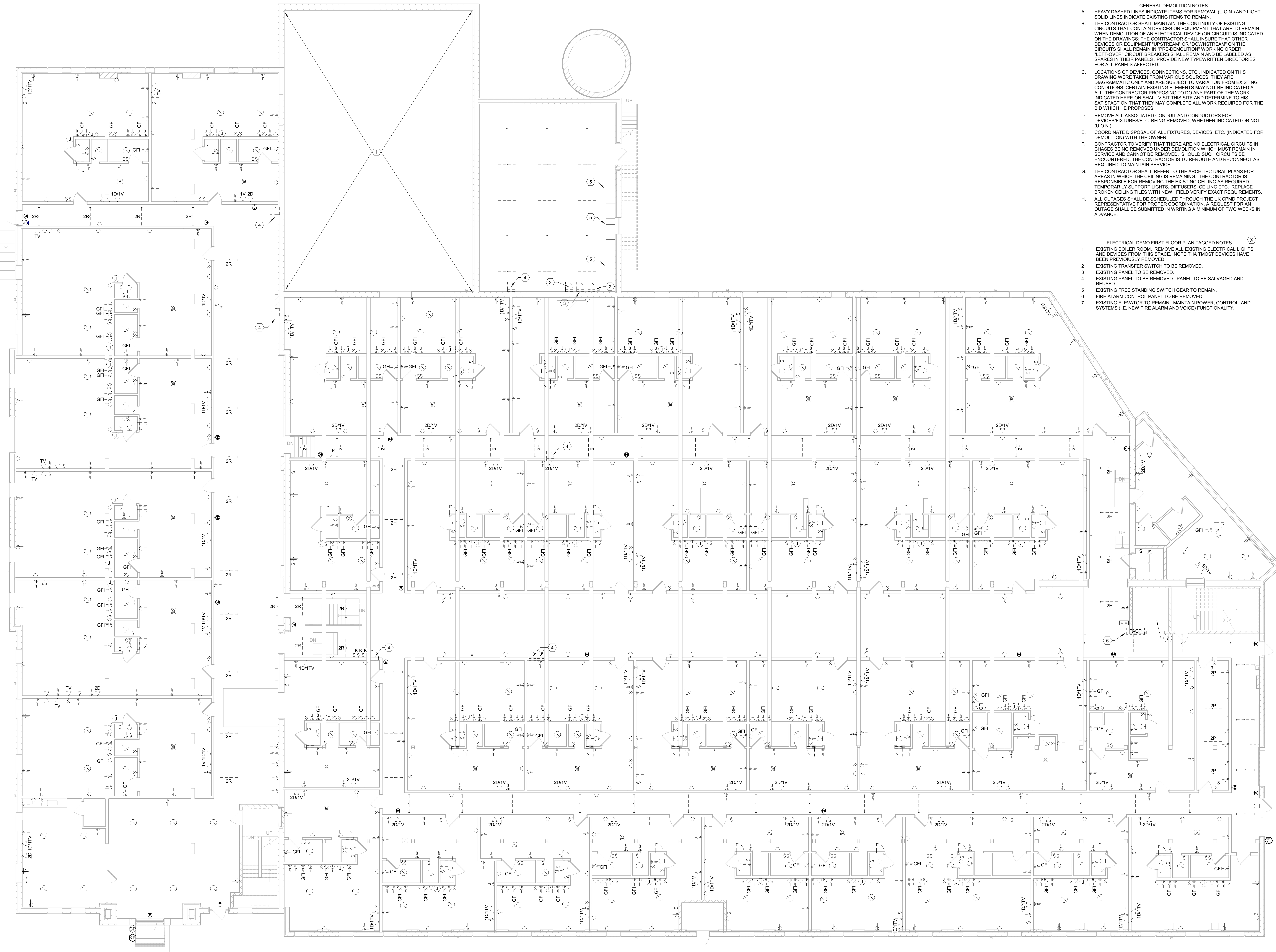


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PRE-DESIGN

E2.0

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1 ELECTRICAL DEMO FIRST FLOOR PLAN
1/8" = 1'-0"

- GENERAL DEMOLITION NOTES
- HEAVY DASHED LINES INDICATE ITEMS FOR REMOVAL (U.O.N.) AND LIGHT SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.
 - THE CONTRACTOR SHALL MAINTAIN THE CONTINUITY OF EXISTING CIRCUITS THAT CONTAIN DEVICES OR EQUIPMENT THAT ARE TO REMAIN. WHEN DEMOLITION OF AN ELECTRICAL DEVICE (OR CIRCUIT) IS INDICATED ON THE DRAWINGS, THE CONTRACTOR SHALL INSURE THAT OTHER DEVICES OR EQUIPMENT "UPSTREAM" OR "DOWNSTREAM" ON THE CIRCUITS SHALL REMAIN IN "PRE-DEMOLITION" WORKING ORDER. "LEFT-OVER" CIRCUIT BREAKERS SHALL REMAIN AND BE LABELED AS SPARES IN THEIR PANELS. PROVIDE NEW TYPEWRITTEN DIRECTORIES FOR ALL PANELS AFFECTED.
 - LOCATIONS OF DEVICES, CONNECTIONS, ETC., INDICATED ON THIS DRAWING WERE TAKEN FROM VARIOUS SOURCES. THEY ARE DIAGRAMMATIC ONLY AND ARE SUBJECT TO VARIATION FROM EXISTING CONDITIONS. CERTAIN EXISTING ELEMENTS MAY NOT BE INDICATED AT ALL. THE CONTRACTOR PROPOSING TO DO ANY PART OF THE WORK INDICATED HERE-ON SHALL VISIT THIS SITE AND DETERMINE TO HIS SATISFACTION THAT THEY MAY COMPLETE ALL WORK REQUIRED FOR THE BID WHICH HE PROPOSES.
 - REMOVE ALL ASSOCIATED CONDUIT AND CONDUCTORS FOR DEVICES/FIXTURES/ETC. BEING REMOVED, WHETHER INDICATED OR NOT (U.O.N.).
 - COORDINATE DISPOSAL OF ALL FIXTURES, DEVICES, ETC. (INDICATED FOR DEMOLITION) WITH THE OWNER.
 - CONTRACTOR TO VERIFY THAT THERE ARE NO ELECTRICAL CIRCUITS IN CHASES BEING REMOVED UNDER DEMOLITION WHICH MUST REMAIN IN SERVICE AND CANNOT BE REMOVED. SHOULD SUCH CIRCUITS BE ENCOUNTERED, THE CONTRACTOR IS TO REROUTE AND RECONNECT AS REQUIRED TO MAINTAIN SERVICE.
 - THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR AREAS IN WHICH THE CEILING IS REMAINING. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING THE EXISTING CEILING AS REQUIRED, TEMPORARILY SUPPORT LIGHTS, DIFFUSERS, CEILING ETC. REPLACE BROKEN CEILING TILES WITH NEW. FIELD VERIFY EXACT REQUIREMENTS.
 - ALL OUTAGES SHALL BE SCHEDULED THROUGH THE UK CPMD PROJECT REPRESENTATIVE FOR PROPER COORDINATION. A REQUEST FOR AN OUTAGE SHALL BE SUBMITTED IN WRITING A MINIMUM OF TWO WEEKS IN ADVANCE.

- ELECTRICAL DEMO FIRST FLOOR PLAN TAGGED NOTES (X)
- EXISTING BOILER ROOM. REMOVE ALL EXISTING ELECTRICAL LIGHTS AND DEVICES FROM THIS SPACE. NOTE THAT MOST DEVICES HAVE BEEN PREVIOUSLY REMOVED.
 - EXISTING TRANSFER SWITCH TO BE REMOVED.
 - EXISTING PANEL TO BE REMOVED.
 - EXISTING PANEL TO BE REMOVED. PANEL TO BE SALVAGED AND REUSED.
 - EXISTING FREE STANDING SWITCH GEAR TO REMAIN.
 - FIRE ALARM CONTROL PANEL TO BE REMOVED.
 - EXISTING ELEVATOR TO REMAIN. MAINTAIN POWER, CONTROL, AND SYSTEMS (I.E. NEW FIRE ALARM AND VOICE) FUNCTIONALITY.

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ELECTRICAL DEMO FIRST FLOOR PLAN

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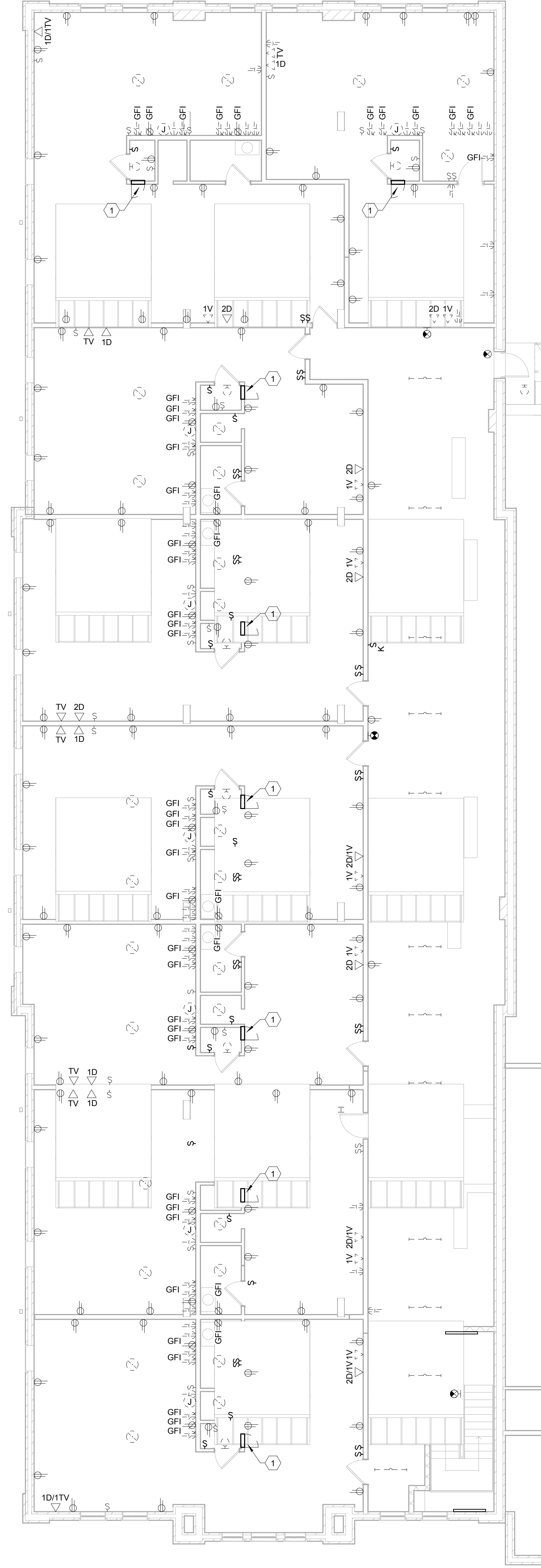


PRE-DESIGN

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1 ELECTRICAL DEMO THIRD FLOOR PLAN
1/8" = 1'-0"



- GENERAL DEMOLITION NOTES
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 - THE CONTRACTOR SHALL MAINTAIN THE CONTINUITY OF EXISTING CIRCUITS THAT CONTAIN DEVICES OR EQUIPMENT THAT ARE TO REMAIN. WHEN DEMOLITION OF AN ELECTRICAL DEVICE (OR CIRCUIT) IS INDICATED ON THE DRAWINGS, THE CONTRACTOR SHALL INSURE THAT OTHER DEVICES OR EQUIPMENT "UPSTREAM" OR "DOWNSTREAM" ON THE CIRCUITS SHALL REMAIN IN "PRE-DEMOLITION" WORKING ORDER. "LEFT-OVER" CIRCUIT BREAKERS SHALL REMAIN AND BE LABELED AS SPARES IN THEIR PANELS. PROVIDE NEW TYPEWRITTEN DIRECTORIES FOR ALL PANELS AFFECTED.
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 - COORDINATE DISPOSAL OF ALL FIXTURES, DEVICES, ETC. (INDICATED FOR DEMOLITION) WITH THE OWNER.
 - CONTRACTOR TO VERIFY THAT THERE ARE NO ELECTRICAL CIRCUITS IN CHASES BEING REMOVED UNDER DEMOLITION WHICH MUST REMAIN IN SERVICE AND CANNOT BE REMOVED. SHOULD SUCH CIRCUITS BE ENCOUNTERED, THE CONTRACTOR IS TO REROUTE AND RECONNECT AS REQUIRED TO MAINTAIN SERVICE.
 - THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR AREAS IN WHICH THE CEILING IS REMAINING. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING THE EXISTING CEILING AS REQUIRED. TEMPORARILY SUPPORT LIGHTS, DIFFUSERS, CEILING ETC. REPLACE BROKEN CEILING TILES WITH NEW. FIELD VERIFY EXACT REQUIREMENTS.
 - ALL OUTAGES SHALL BE SCHEDULED THROUGH THE UK CPMD PROJECT REPRESENTATIVE FOR PROPER COORDINATION. A REQUEST FOR AN OUTAGE SHALL BE SUBMITTED IN WRITING A MINIMUM OF TWO WEEKS IN ADVANCE.

ELECTRICAL DEMO THIRD FLOOR PLAN TAGGED NOTES (X)

1 EXISTING PANEL TO REMAIN. PANEL FEEDER TO BE FED FROM RELOCATED DISTRIBUTION PANEL.

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ELECTRICAL DEMO THIRD FLOOR PLAN

NOT FOR CONSTRUCTION Job Number: 1205

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Drawn By: Author

Checked By: Checker

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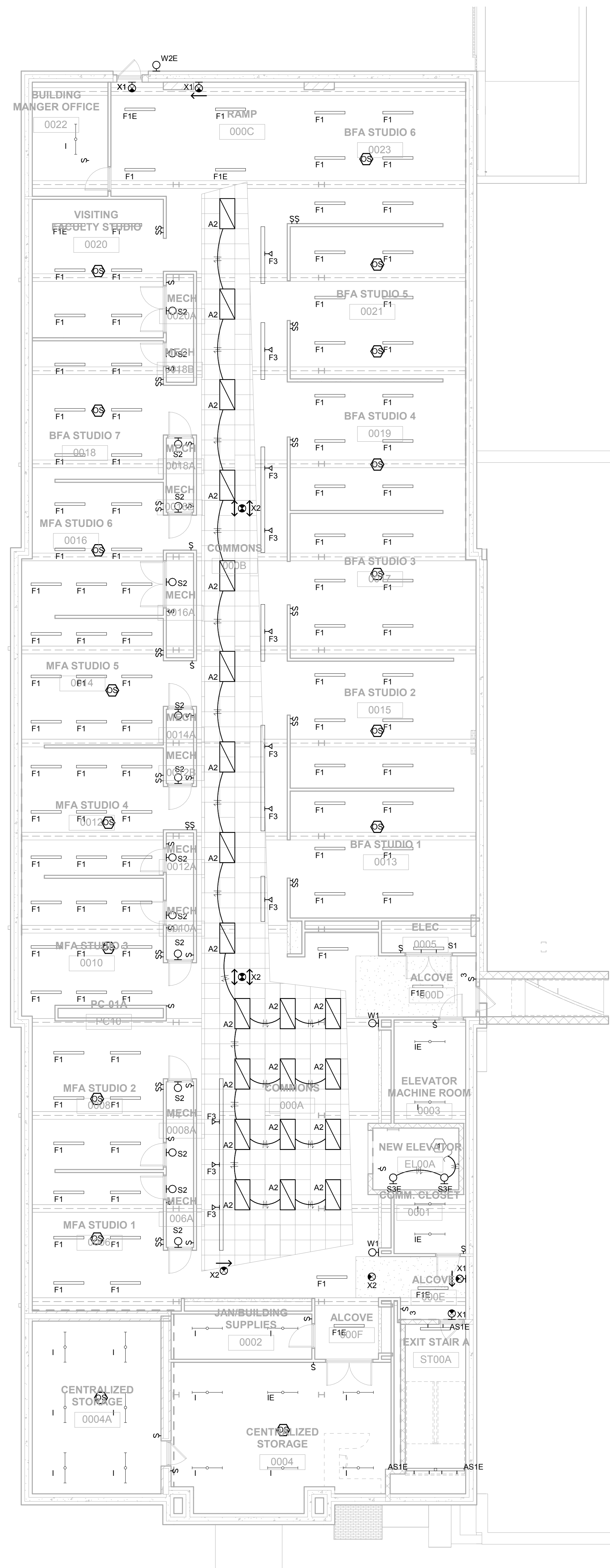


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PRE-DESIGN

E2.3

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LIGHTING DESIGN BASEMENT PLAN TAGGED NOTES
 1 CONNECT ELEVATOR LIGHTING TO RECEPTACLES AND HOMERUN TO PANEL CIRCUIT.

1 LIGHTING DESIGN-BASEMENT PLAN
 1/8" = 1'-0"

UNIVERSITY LOFTS - Renovate Academic Facility UK School of Art & Visual Studies

LIGHTING DESIGN BASEMENT
 PRE-DESIGN

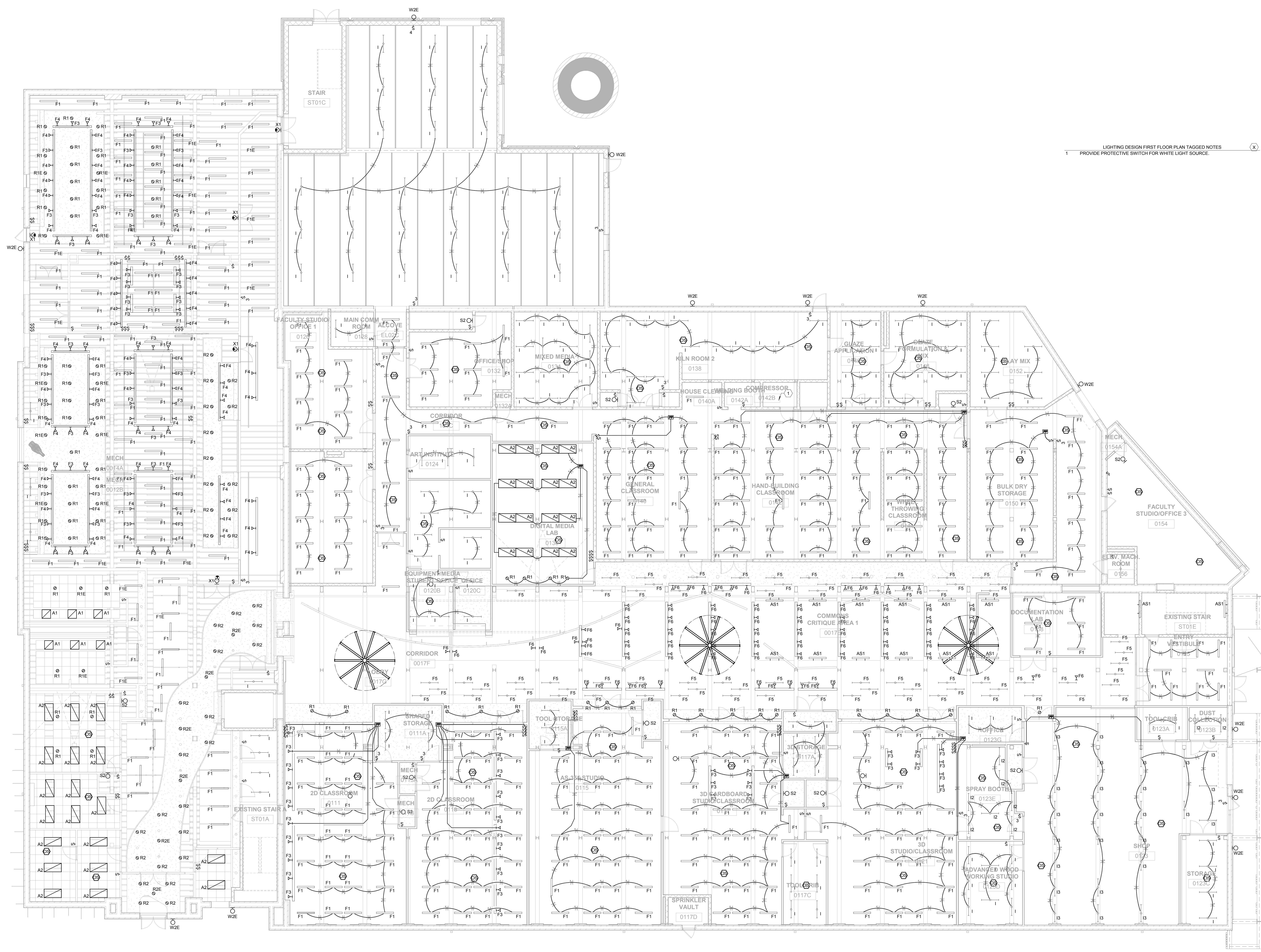
Job Number: 1205
 Date: 03/2013
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E3.0



1 LIGHTING DESIGN FIRST FLOOR PLAN TAGGED NOTES
 PROVIDE PROTECTIVE SWITCH FOR WHITE LIGHT SOURCE.

1 LIGHTING DESIGN-FIRST FLOOR PLAN
 1/8" = 1'-0"

UNIVERSITY LOFTS - Renovate Academic Facility **UK School of Art & Visual Studies**

LIGHTING DESIGN FIRST FLOOR PLAN

NOT FOR CONSTRUCTION Job Number: 1205 Date: 03/2013

Drawn By: Author Checked By: Checker

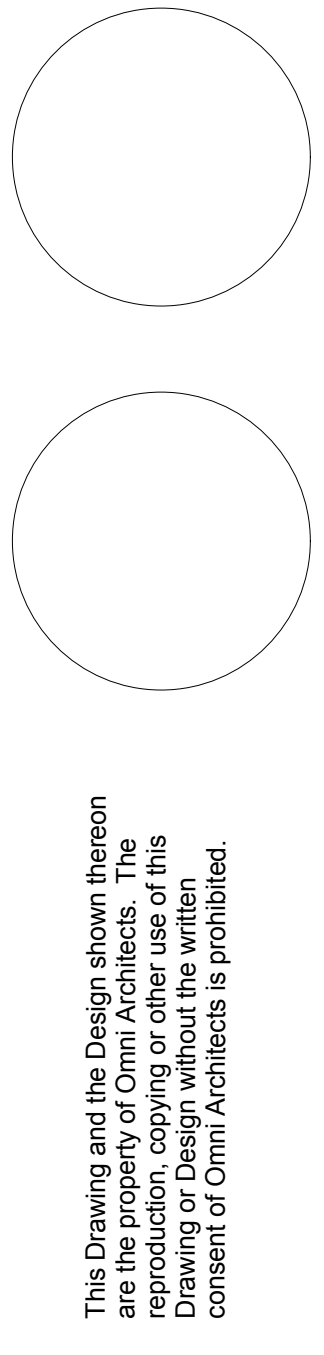
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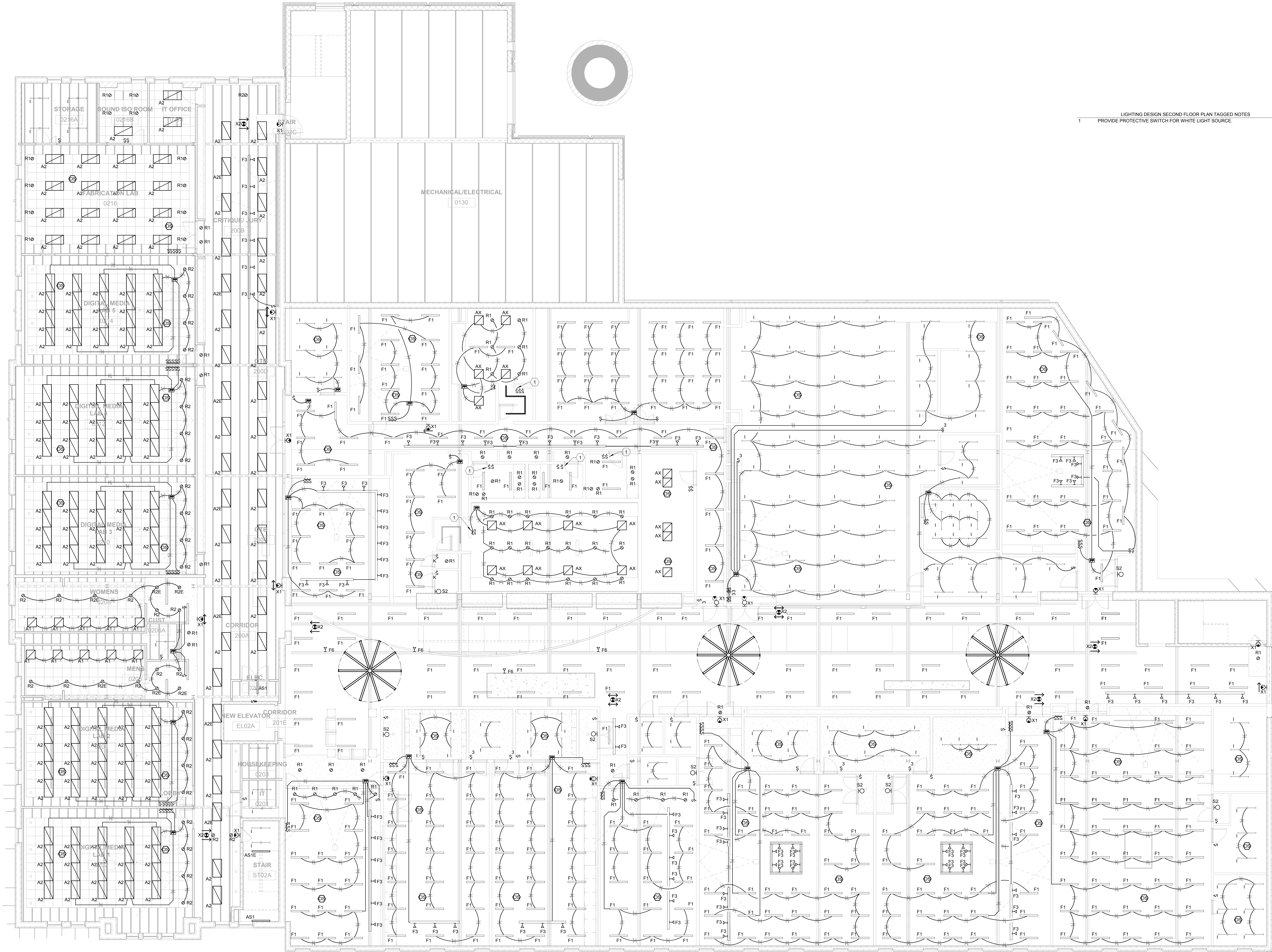


PRE-DESIGN

E3.1



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1 LIGHTING DESIGN SECOND FLOOR PLAN TAGGED NOTES
 PROVIDE PROTECTIVE SWITCH FOR WHITE LIGHT SOURCE.

1 LIGHTING DESIGN-SECOND FLOOR PLAN
 1/8" = 1'-0"

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NOT FOR CONSTRUCTION LIGHTING DESIGN SECOND FLOOR PLAN

Job Number: 1205 Date: 03/2013

Drawn By: Author Checked By: Checker

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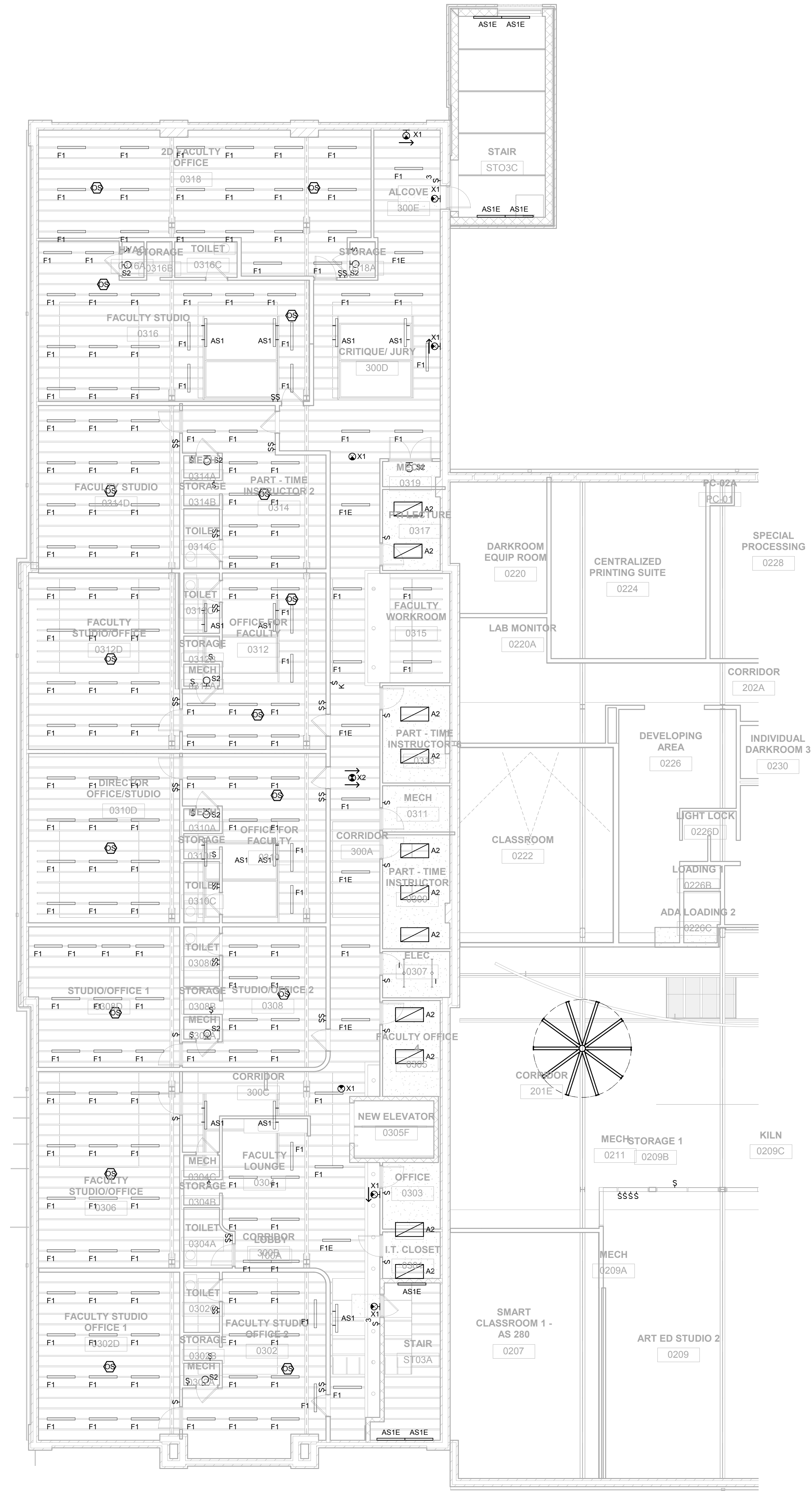


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PRE-DESIGN

E3.2



LIGHTING DESIGN THIRD FLOOR PLAN TAGGED NOTES

1 LIGHTING DESIGN - THIRD FLOOR PLAN
1/8" = 1'-0"

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LIGHTING DESIGN THIRD FLOOR PLAN

NOT FOR CONSTRUCTION Job Number: 1205 Date: 03/2013

Drawn By: Author Checked By: Checker

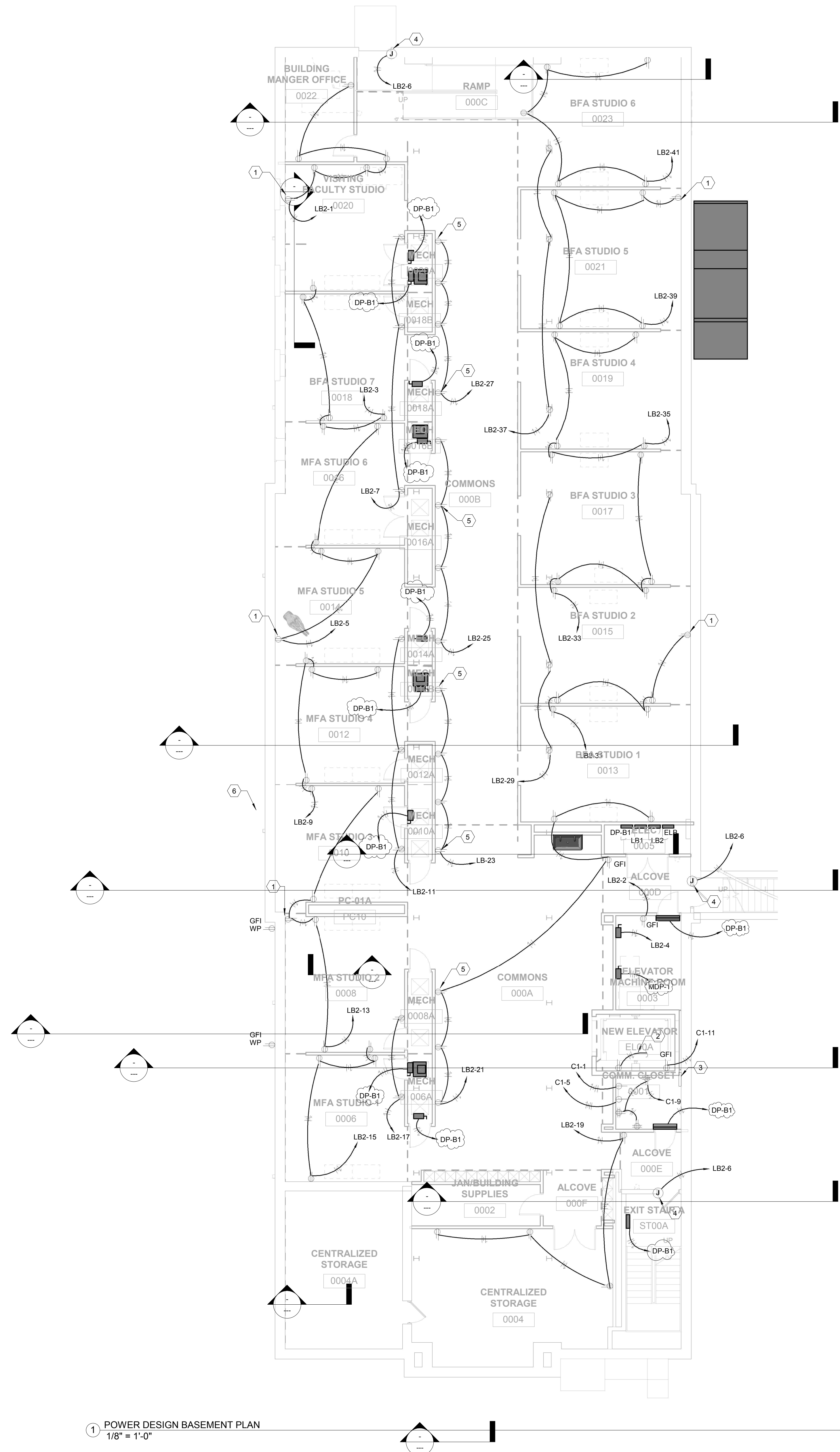
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PRE-DESIGN
E3.3



1 POWER DESIGN BASEMENT PLAN
1/8" = 1'-0"

- POWER GENERAL NOTES
- ALL PENETRATIONS IN FIRE RATED WALLS ARE TO BE SEALED AND FIRE STOPPED BY A U.L. LISTED FIRE ASSEMBLY AND APPROVED MANNER.
 - REFER TO ARCHITECT'S CASEWORK/FURNITURE DETAILS AND ROOM ELEVATIONS FOR EXACT LOCATION AND MOUNTING HEIGHTS OF DEVICES, ETC.
 - PROVIDE PULL WIRES IN EACH EMPTY CONDUIT LEFT FOR FURNITURE USE.
 - ALL WIRING SHALL BE #12 WITH A #12 GROUND (U.O.N.).
 - CONTRACTOR IS RESPONSIBLE FOR CONNECTING ALL OWNER FURNISHED EQUIPMENT TO POWER SOURCE WHEN THE CONNECTION IS HARDWIRED.
- POWER DESIGN BASEMENT PLAN TAGGED NOTES
- EXISTING RECEPTACLE TO REMAIN. RECIRCUIT TO NEW PANEL AS SHOWN.
 - CONNECT TO ELEVATOR PIT LIGHT FIXTURE CIRCUITS.
 - TELECOM ROOM GROUNDING BAR: BASEMENT TO BE CONNECTED TO SERVICE ENTRANCE GROUND AT HDF.
 - PROVIDE POWER FOR DOOR HARDWARE AND/OR SECURITY DEVICES. SEE SYSTEM DRAWING FOR DEVICE TYPES.
 - RECEPTACLES SHOWN AT THIS WALL ARE TO BE MOUNTED HORIZONTALLY AT +6" ABOVE FINISHED FLOOR. COORDINATE DEVICE WITH ARCHITECT'S BASE BOARD SO RECEPTACLES DO NOT INTRUDE ON BASE FINISH.
 - PROVIDE DISCONNECT FOR MECHANICAL UNIT. (TYPICAL OF 14)

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POWER DESIGN BASEMENT PLAN

NOT FOR CONSTRUCTION Job Number: 1205 Date: 03/2013

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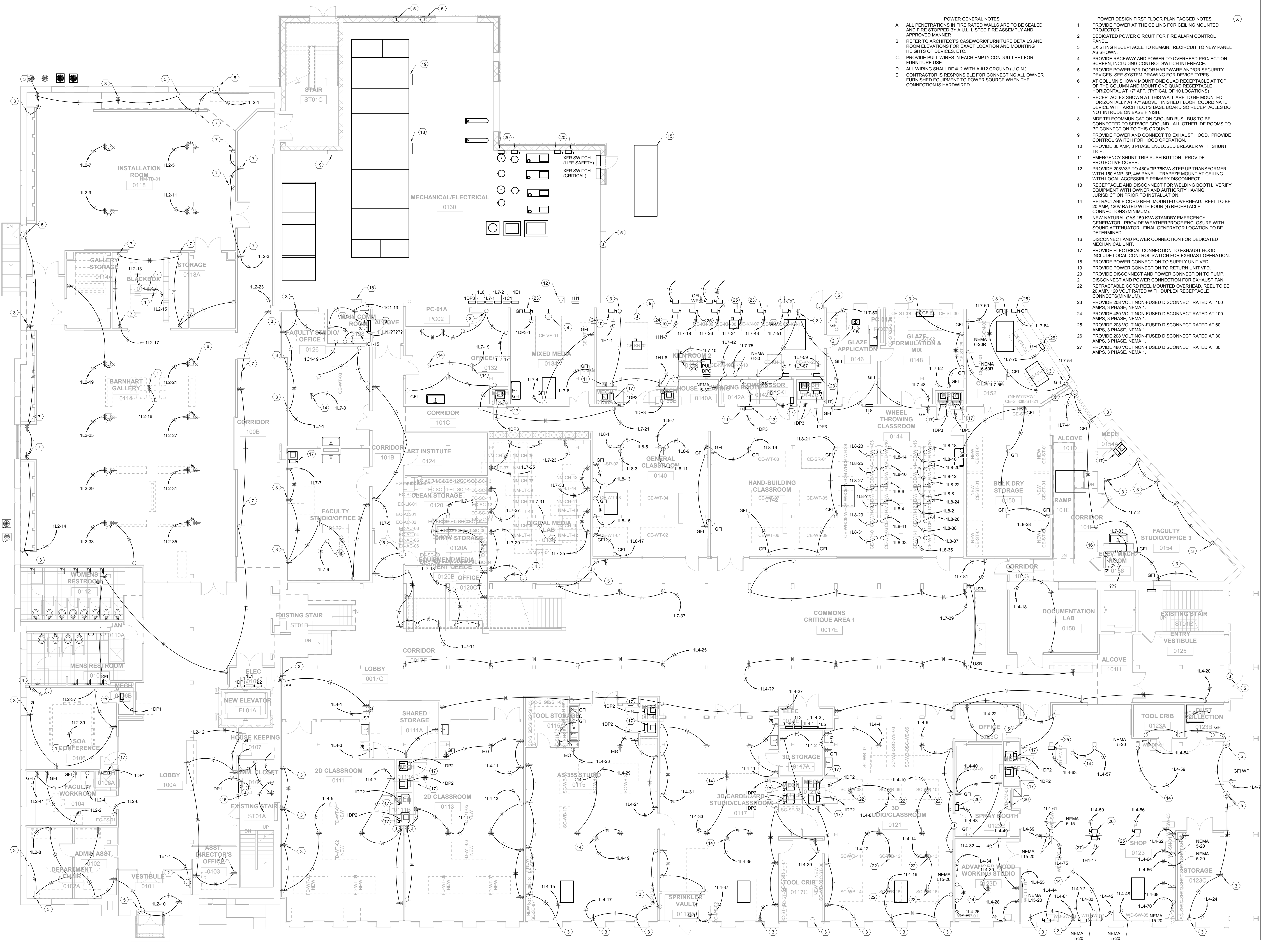


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PRE-DESIGN

E4.0



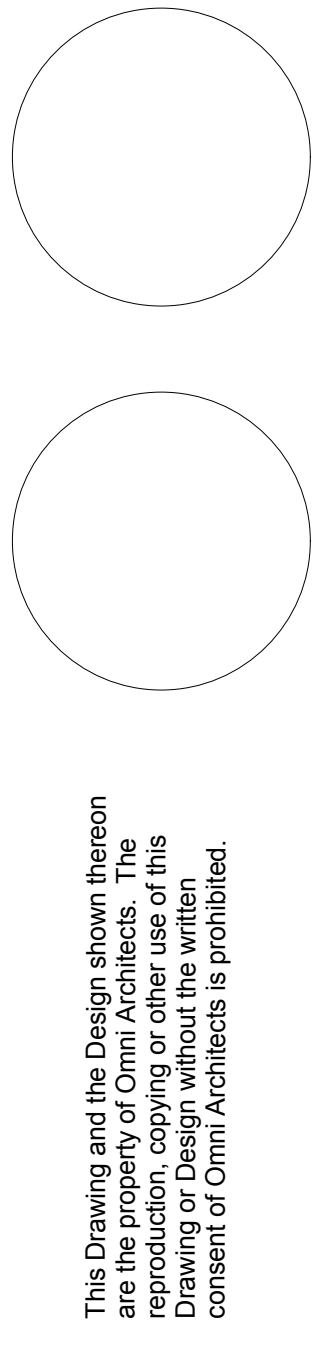
- POWER GENERAL NOTES**
- ALL PENETRATIONS IN FIRE RATED WALLS ARE TO BE SEALED AND FIRE STOPPED BY A U.L. LISTED FIRE ASSEMBLY AND APPROVED MANNER.
 - REFER TO ARCHITECT'S CASEWORK/FURNITURE DETAILS AND ROOM ELEVATIONS FOR EXACT LOCATION AND MOUNTING HEIGHTS OF DEVICES, ETC.
 - PROVIDE PULL WIRES IN EACH EMPTY CONDUIT LEFT FOR FURNITURE USE.
 - ALL WIRING SHALL BE #12 WITH A #12 GROUND (U.O.N.). CONTRACTOR IS RESPONSIBLE FOR CONNECTING ALL OWNER FURNISHED EQUIPMENT TO POWER SOURCE WHEN THE CONNECTION IS HARDWIRED.

- POWER DESIGN FIRST FLOOR PLAN TAGGED NOTES**
- PROVIDE POWER AT THE CEILING FOR CEILING MOUNTED PROJECTOR.
 - DEDICATED POWER CIRCUIT FOR FIRE ALARM CONTROL PANEL.
 - EXISTING RECEPTACLE TO REMAIN. RE-CIRCUIT TO NEW PANEL AS SHOWN.
 - PROVIDE RACEWAY AND POWER TO OVERHEAD PROJECTION SCREEN, INCLUDING CONTROL SWITCH INTERFACE.
 - PROVIDE POWER FOR DOOR HARDWARE AND/OR SECURITY DEVICES. SEE SYSTEM DRAWING FOR DEVICE TYPES.
 - AT COLUMN SHOWN MOUNT ONE QUAD RECEPTACLE AT TOP OF COLUMN AND MOUNT ONE QUAD RECEPTACLE HORIZONTAL AT +7' AFF. (TYPICAL OF 10 LOCATIONS).
 - RECEPTACLES SHOWN AT THIS WALL ARE TO BE MOUNTED HORIZONTALLY AT +7' ABOVE FINISHED FLOOR. COORDINATE DEVICE WITH ARCHITECT'S BASE BOARD SO RECEPTACLES DO NOT INTRUDE ON BASE FINISH.
 - MTF TELECOMMUNICATION GROUND BUS. BUS TO BE CONNECTED TO SERVICE GROUND. ALL OTHER IDF ROOMS TO BE CONNECTION TO THIS GROUND.
 - PROVIDE POWER AND CONNECT TO EXHAUST HOOD. PROVIDE CONTROL SWITCH FOR HOOD OPERATION.
 - PROVIDE 80 AMP, 3 PHASE ENCLOSED BREAKER WITH SHUNT TRIP.
 - EMERGENCY SHUNT TRIP PUSH BUTTON. PROVIDE PROTECTIVE COVER.
 - PROVIDE 208V/3P TO 480V/3P 75KVA STEP UP TRANSFORMER WITH 150 AMP, 3P, 4W PANEL. TRAPEZE MOUNT AT CEILING WITH LOCAL ACCESSIBLE PRIMARY DISCONNECT.
 - RECEPTACLE AND DISCONNECT FOR WELDING BOOTH. VERIFY EQUIPMENT WITH OWNER AND AUTHORITY HAVING JURISDICTION PRIOR TO INSTALLATION.
 - RETRACTABLE CORD REEL MOUNTED OVERHEAD. REEL TO BE 20 AMP, 120V RATED WITH FOUR (4) RECEPTACLE CONNECTIONS (MINIMUM).
 - NEW NATURAL GAS 150 KVVA STANDBY EMERGENCY GENERATOR. PROVIDE WEATHERPROOF ENCLOSURE WITH SOUND ATTENUATOR. FINAL GENERATOR LOCATION TO BE DETERMINED.
 - DISCONNECT AND POWER CONNECTION FOR DEDICATED MECHANICAL UNIT.
 - ELECTRICAL CONNECTION TO EXHAUST HOOD. INCLUDE LOCAL CONTROL SWITCH FOR EXHAUST OPERATION.
 - PROVIDE POWER CONNECTION TO SUPPLY UNIT VFD.
 - PROVIDE POWER CONNECTION TO RETURN UNIT VFD.
 - PROVIDE DISCONNECT AND POWER CONNECTION TO PUMP. DISCONNECT AND POWER CONNECTION FOR EXHAUST FAN. RETRACTABLE CORD REEL MOUNTED OVERHEAD. REEL TO BE 20 AMP, 120 VOLT RATED WITH DUPLEX RECEPTACLE CONNECTIONS (MINIMUM).
 - PROVIDE 208 VOLT NON-FUSED DISCONNECT RATED AT 100 AMPS, 3 PHASE, NEMA 1.
 - PROVIDE 480 VOLT NON-FUSED DISCONNECT RATED AT 100 AMPS, 3 PHASE, NEMA 1.
 - PROVIDE 208 VOLT NON-FUSED DISCONNECT RATED AT 60 AMPS, 3 PHASE, NEMA 1.
 - PROVIDE 208 VOLT NON-FUSED DISCONNECT RATED AT 30 AMPS, 3 PHASE, NEMA 1.
 - PROVIDE 480 VOLT NON-FUSED DISCONNECT RATED AT 30 AMPS, 3 PHASE, NEMA 1.

1 POWER DESIGN FIRST FLOOR PLAN
1/8" = 1'-0"

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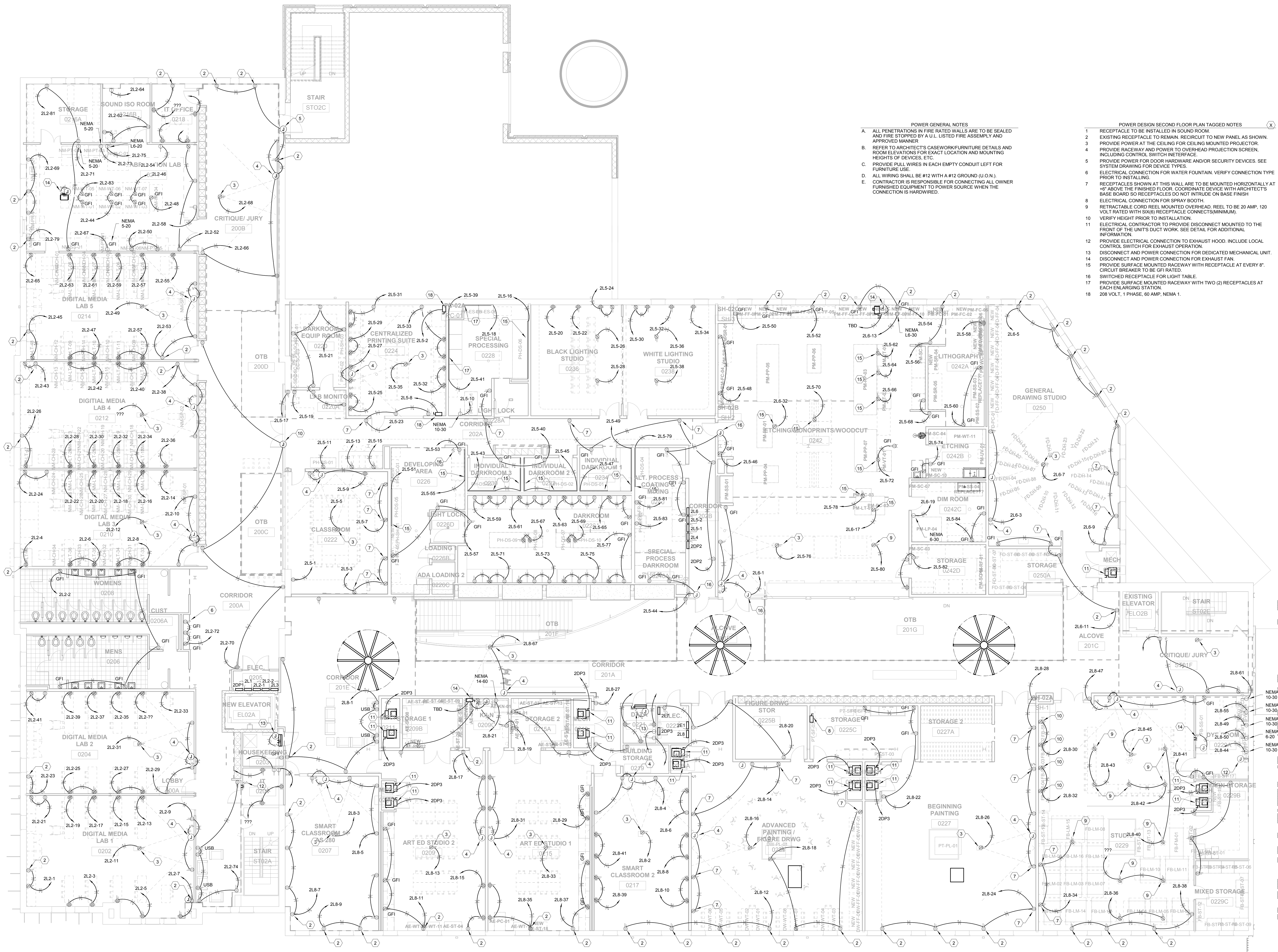
POWER DESIGN FIRST FLOOR PLAN

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PRE-DESIGN

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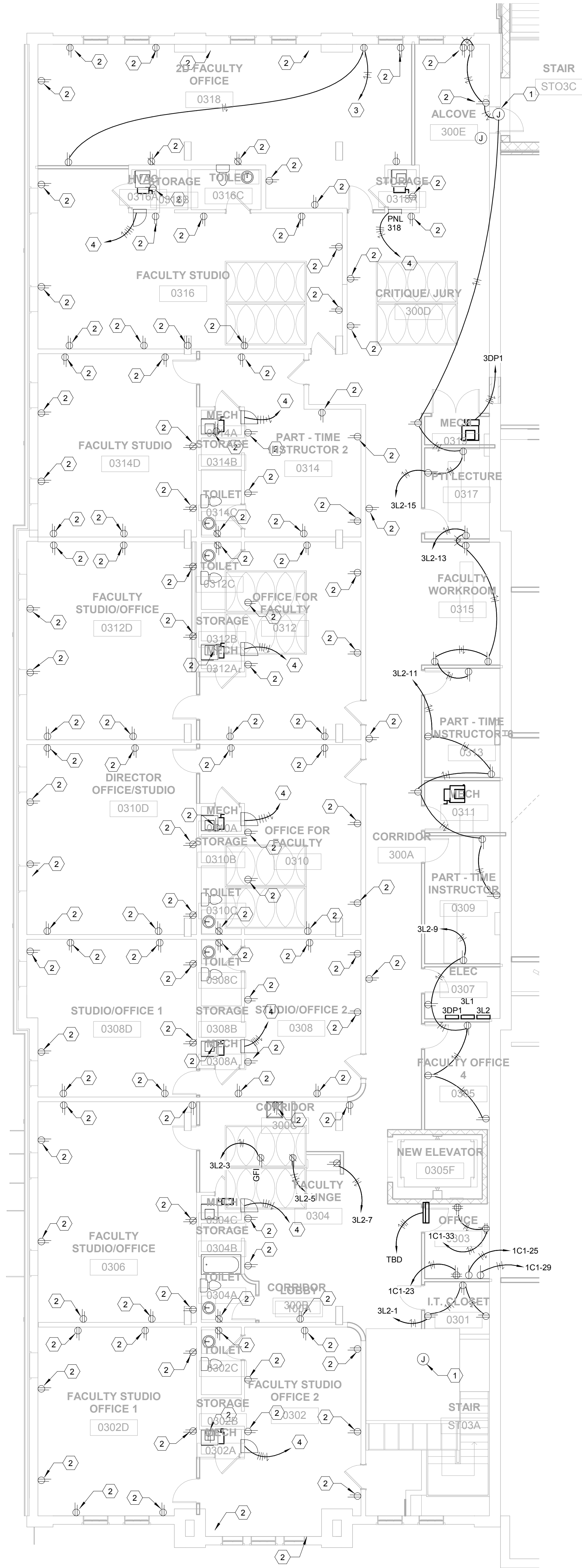
POWER GENERAL NOTES

- ALL PENETRATIONS IN FIRE RATED WALLS ARE TO BE SEALED AND FIRE STOPPED BY A U.L. LISTED FIRE ASSEMBLY AND APPROVED MANNER.
- REFER TO ARCHITECT'S CASEWORK/FURNITURE DETAILS AND ROOM ELEVATIONS FOR EXACT LOCATION AND MOUNTING HEIGHTS OF DEVICES, ETC.
- PROVIDE PULL WIRES IN EACH EMPTY CONDUIT LEFT FOR FURNITURE USE.
- ALL WIRING SHALL BE #12 WITH A #12 GROUND (U.O.N.).
- CONTRACTOR IS RESPONSIBLE FOR CONNECTING ALL OWNER FURNISHED EQUIPMENT TO POWER SOURCE WHEN THE CONNECTION IS HARDWIRED.

POWER DESIGN SECOND FLOOR PLAN TAGGED NOTES

- RECEPTACLE TO BE INSTALLED IN SOUND ROOM.
- EXISTING RECEPTACLE TO REMAIN. REWIRING TO NEW PANEL AS SHOWN.
- PROVIDE POWER AT THE CEILING FOR CEILING MOUNTED PROJECTOR.
- PROVIDE RACEWAY AND POWER TO OVERHEAD PROJECTION SCREEN, INCLUDING CONTROL SWITCH INTERFACE.
- PROVIDE POWER FOR DOOR HARDWARE AND/OR SECURITY DEVICES. SEE SYSTEM DRAWING FOR DEVICE TYPES.
- ELECTRICAL CONNECTION FOR WATER FOUNTAIN. VERIFY CONNECTION TYPE PRIOR TO INSTALLATION.
- RECEPTACLES SHOWN AT THIS WALL ARE TO BE MOUNTED HORIZONTALLY AT 4" ABOVE THE FINISHED FLOOR. COORDINATE DEVICE WITH ARCHITECT'S BASE BOARD SO RECEPTACLES DO NOT INTRUDE ON BASE FINISH.
- ELECTRICAL CONNECTION FOR SPRAY BOOTH.
- RETRACTABLE CORD REEL MOUNTED OVERHEAD. REEL TO BE 20 AMP, 120 VOLT RATED WITH SIX(6) RECEPTACLE CONNECTS(MINIMUM).
- VERIFY HEIGHT PRIOR TO INSTALLATION.
- ELECTRICAL CONTRACTOR TO PROVIDE DISCONNECT MOUNTED TO THE FRONT OF THE UNIT'S DUCT WORK. SEE DETAIL FOR ADDITIONAL INFORMATION.
- PROVIDE ELECTRICAL CONNECTION TO EXHAUST HOOD. INCLUDE LOCAL CONTROL SWITCH FOR EXHAUST OPERATION.
- DISCONNECT AND POWER CONNECTION FOR DEDICATED MECHANICAL UNIT. DISCONNECT AND POWER CONNECTION FOR EXHAUST FAN.
- PROVIDE SURFACE MOUNTED RACEWAY WITH RECEPTACLE AT EVERY 8'. CIRCUIT BREAKER TO BE GFI RATED.
- SWITCHED RECEPTACLE FOR LIGHT TABLE.
- PROVIDE SURFACE MOUNTED RACEWAY WITH TWO (2) RECEPTACLES AT EACH ENLARGING STATION.
- 208 VOLT, 1 PHASE, 60 AMP, NEMA 1.

1 POWER DESIGN SECOND FLOOR PLAN
1/8" = 1'-0"



POWER GENERAL NOTES

- ALL PENETRATIONS IN FIRE RATED WALLS ARE TO BE SEALED AND FIRE STOPPED BY A U.L. LISTED FIRE ASSEMBLY AND APPROVED MANNER
- REFER TO ARCHITECT'S CASEWORK/FURNITURE DETAILS AND ROOM ELEVATIONS FOR EXACT LOCATION AND MOUNTING HEIGHTS OF DEVICES, ETC.
- PROVIDE PULL WIRES IN EACH EMPTY CONDUIT LEFT FOR FURNITURE USE.
- ALL WIRING SHALL BE #12 WITH A #12 GROUND (U.O.N.). CONTRACTOR IS RESPONSIBLE FOR CONNECTING ALL OWNER FURNISHED EQUIPMENT TO POWER SOURCE WHEN THE CONNECTION IS HARDWIRED.

POWER DESIGN THIRD FLOOR PLAN TAGGED NOTES

- PROVIDE POWER FOR DOOR HARDWARE AND/OR SECURITY DEVICES. SEE SYSTEM DRAWING FOR DEVICE TYPES.
- EXISTING RECEPTACLE TO REMAIN. RE-CIRCUIT TO NEW PANEL AS SHOWN
- CONNECT NEW CIRCUIT TO EXISTING PANEL 318 WITH NEW 20 AMP. SINGLE POLE BREAKER.
- EXISTING DISTRIBUTION PANEL TO REMAIN. PROVIDE NEW FEEDER TO DISTRIBUTION PANEL 3DP1.

1 POWER DESIGN THIRD FLOOR PLAN
1/8" = 1'-0"

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POWER DESIGN THIRD FLOOR PLAN

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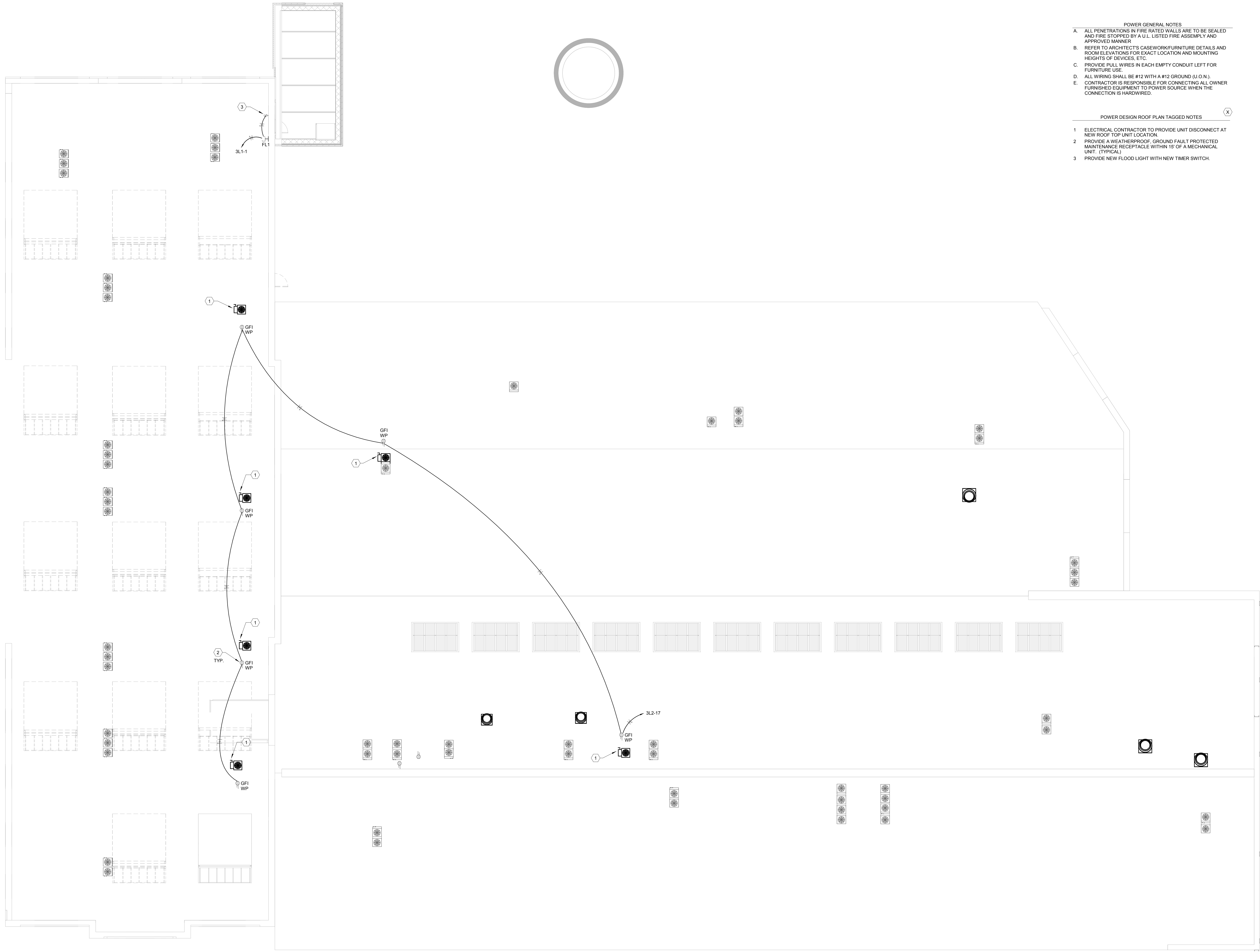


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E4.3



- POWER GENERAL NOTES
- ALL PENETRATIONS IN FIRE RATED WALLS ARE TO BE SEALED AND FIRE STOPPED BY A U.L. LISTED FIRE ASSEMBLY AND APPROVED MANNER.
 - REFER TO ARCHITECT'S CASEWORK/FURNITURE DETAILS AND ROOM ELEVATIONS FOR EXACT LOCATION AND MOUNTING HEIGHTS OF DEVICES, ETC.
 - PROVIDE FULL WIRES IN EACH EMPTY CONDUIT LEFT FOR FURNITURE USE.
 - ALL WIRING SHALL BE #12 WITH A #12 GROUND (U.O.N.).
 - CONTRACTOR IS RESPONSIBLE FOR CONNECTING ALL OWNER FURNISHED EQUIPMENT TO POWER SOURCE WHEN THE CONNECTION IS HARDWIRED.

- POWER DESIGN ROOF PLAN TAGGED NOTES
- ELECTRICAL CONTRACTOR TO PROVIDE UNIT DISCONNECT AT NEW ROOF TOP UNIT LOCATION.
 - PROVIDE A WEATHERPROOF, GROUND FAULT PROTECTED MAINTENANCE RECEPTACLE WITHIN 15' OF A MECHANICAL UNIT. (TYPICAL)
 - PROVIDE NEW FLOOD LIGHT WITH NEW TIMER SWITCH.

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POWER DESIGN ROOF PLAN

NOT FOR CONSTRUCTION Job Number: 1205

Date: 03/2013

Drawn By: Author

Checked By: Checker

Revision:

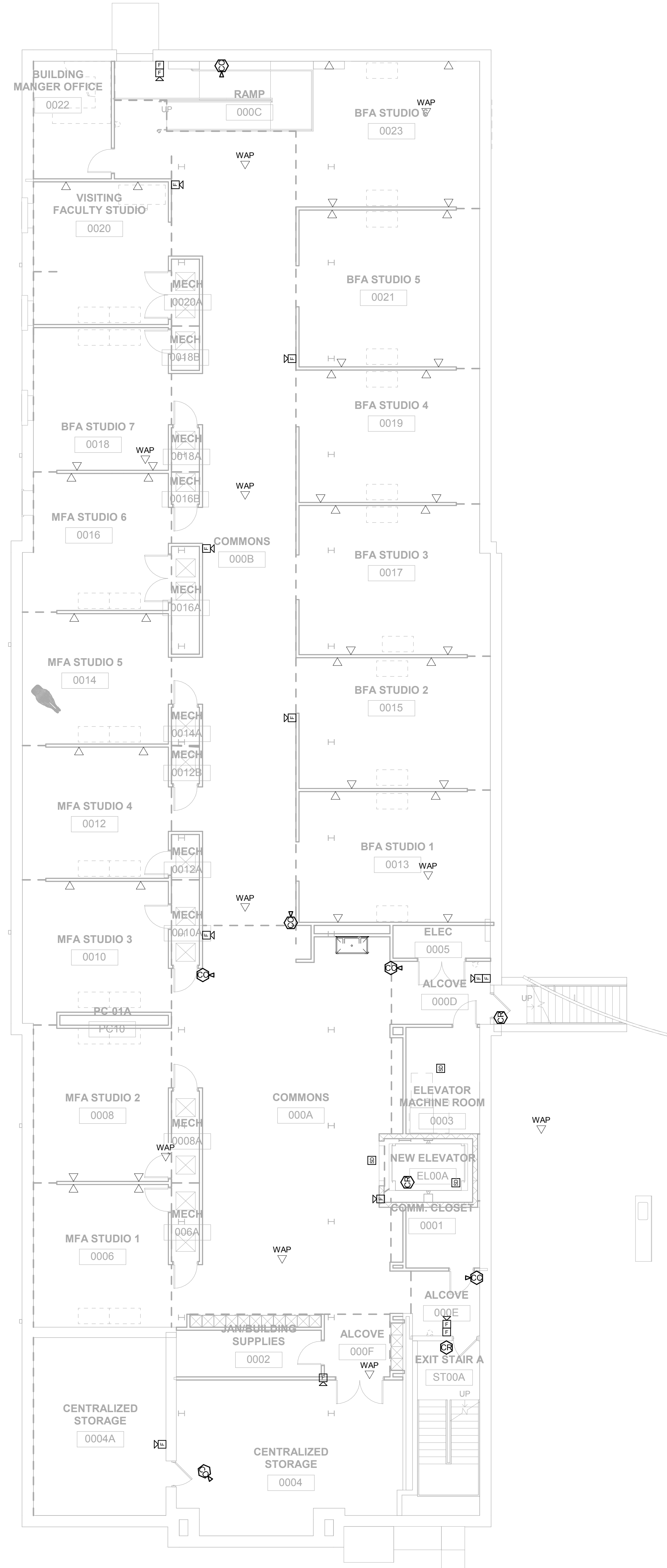


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1 SYSTEMS DESIGN BASEMENT PLAN TAGGED NOTES

1 SYSTEMS DESIGN BASEMENT PLAN
1/8" = 1'-0"

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SYSTEMS DESIGN BASEMENT PLAN

NOT FOR CONSTRUCTION Job Number: 1205

Date: 03/2013

Drawn By: Author

Checked By: Checker

Revision:

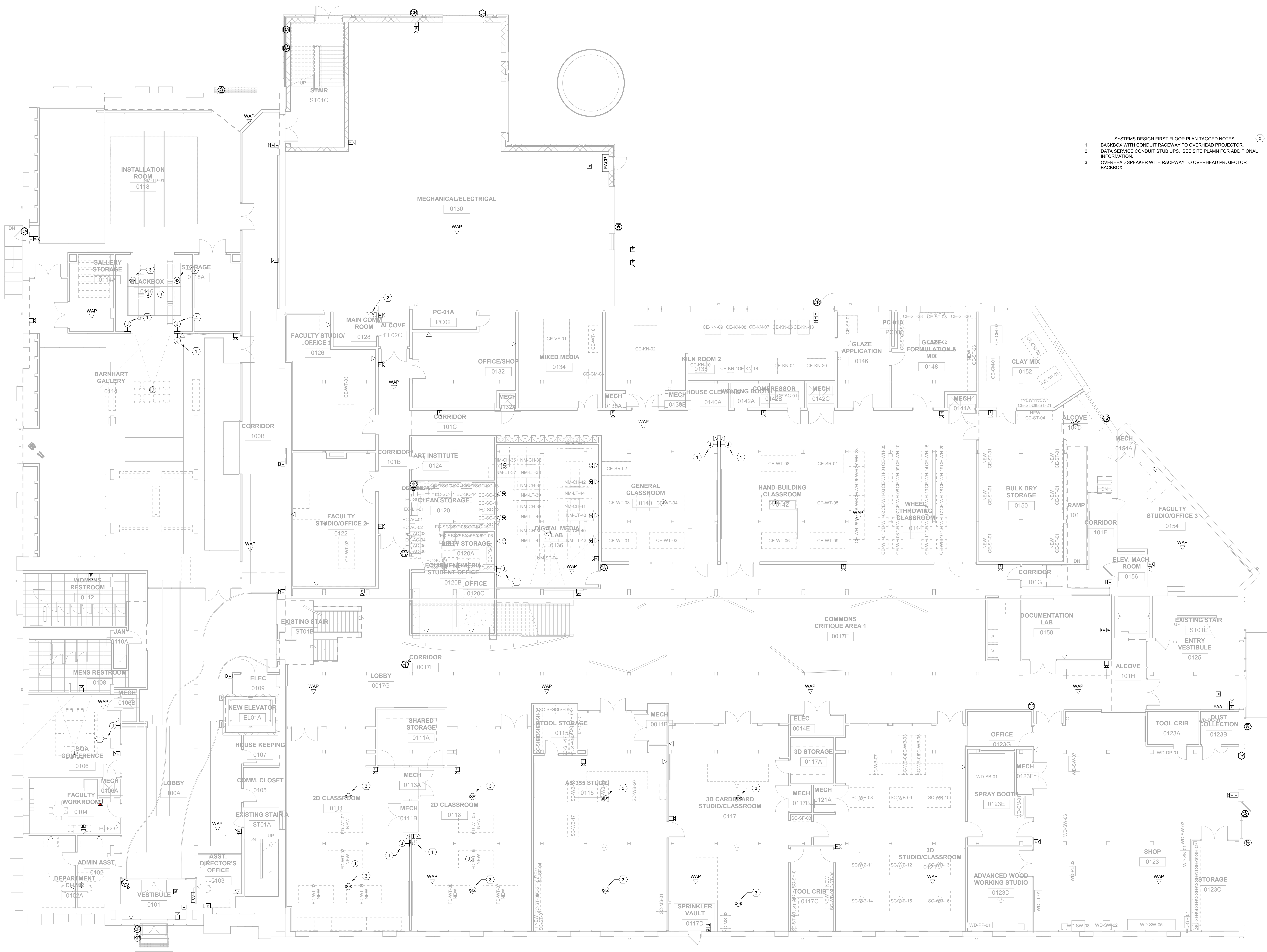


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E5.0

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- SYSTEMS DESIGN FIRST FLOOR PLAN TAGGED NOTES
- 1 BACKBOX WITH CONDUIT RACEWAY TO OVERHEAD PROJECTOR.
 - 2 DATA SERVICE CONDUIT STUB UPS. SEE SITE PLANN FOR ADDITIONAL INFORMATION.
 - 3 OVERHEAD SPEAKER WITH RACEWAY TO OVERHEAD PROJECTOR BACKBOX.

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SYSTEMS DESIGN FIRST FLOOR PLAN

Date: 03/2013

Drawn By: Author

Checked By: Checker

Revision:

NOT FOR CONSTRUCTION Job Number: 1205

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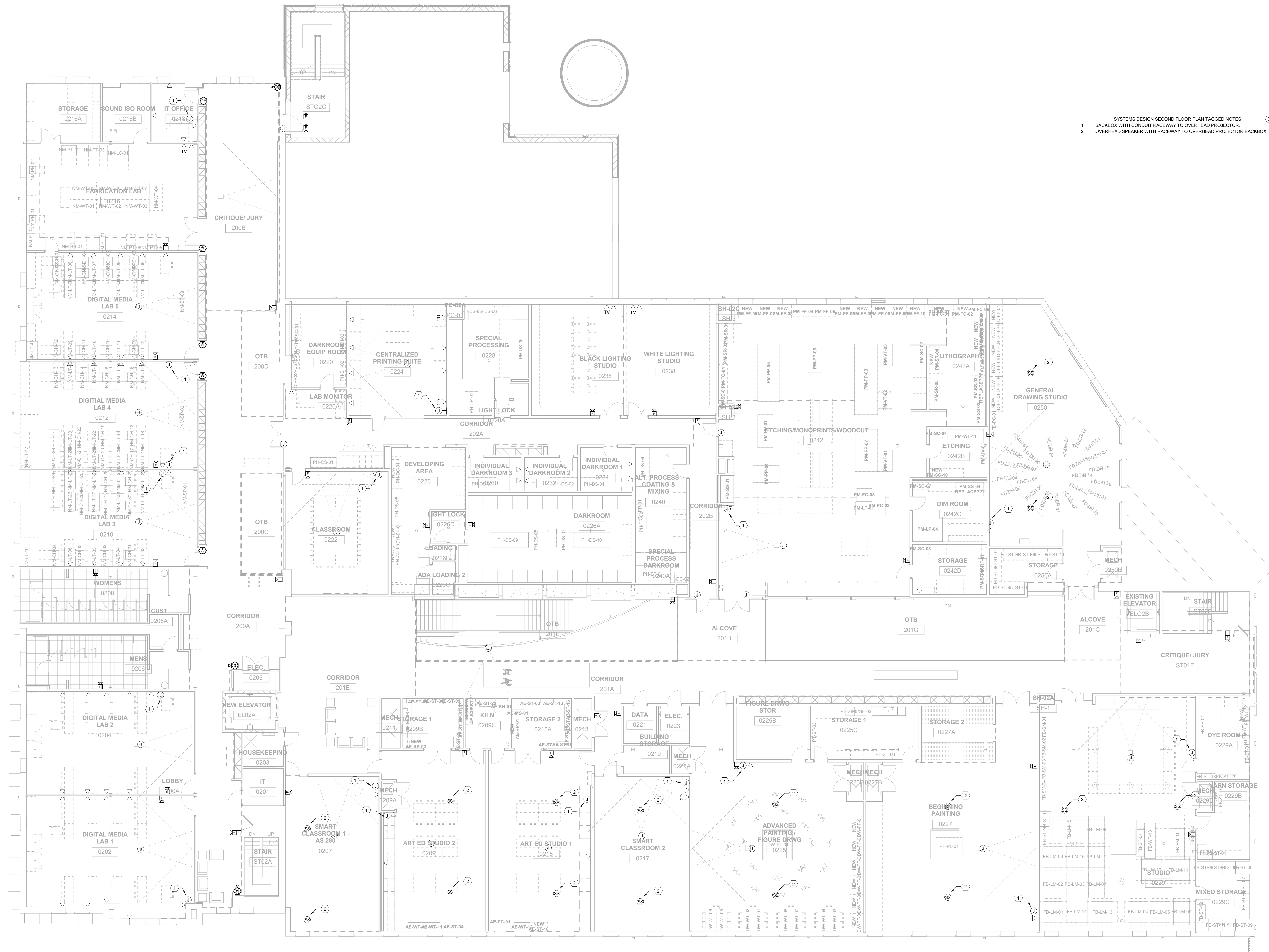


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1 SYSTEMS DESIGN FIRST FLOOR PLAN
1/8" = 1'-0"

E5.1



- SYSTEMS DESIGN SECOND FLOOR PLAN TAGGED NOTES (X)
- BACKBOX WITH CONDUIT RACEWAY TO OVERHEAD PROJECTOR.
 - OVERHEAD SPEAKER WITH RACEWAY TO OVERHEAD PROJECTOR BACKBOX.

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SYSTEMS DESIGN SECOND FLOOR PLAN

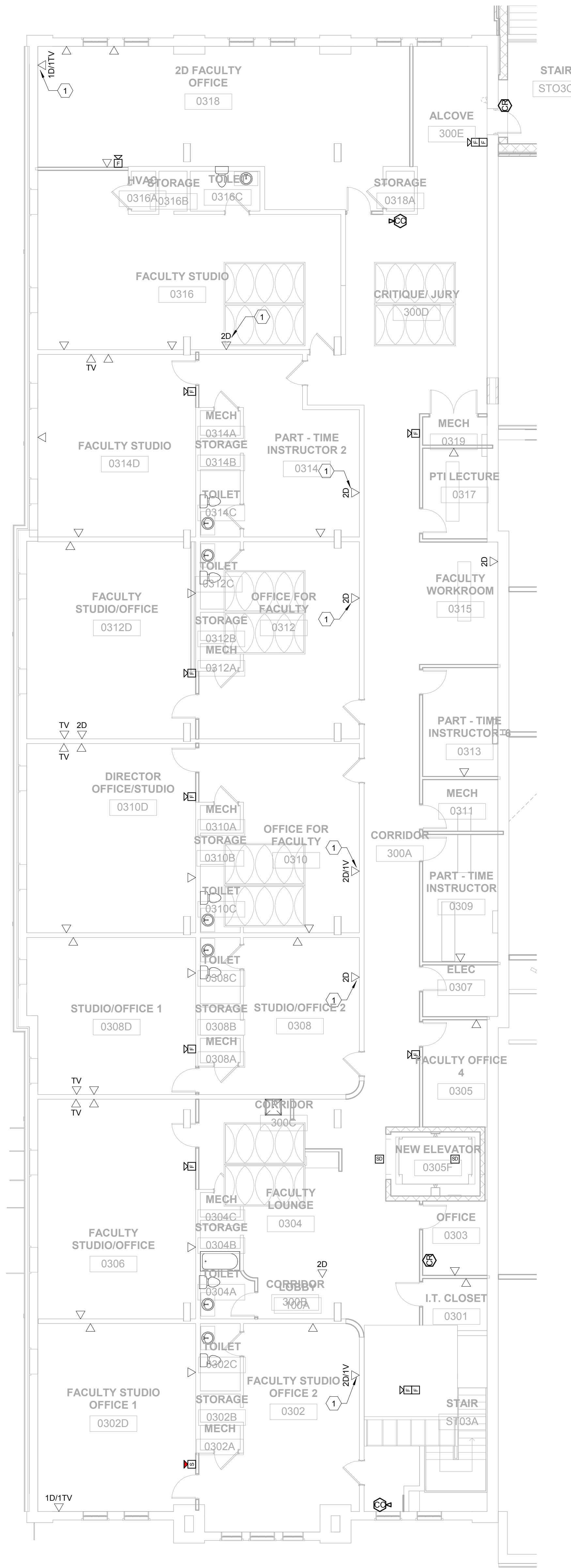
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SYSTEMS DESIGN THIRD FLOOR PLAN TAGGED NOTES
 1 EXISTING DATA DROP LOCATION. CONTRACTOR TO REMOVE EXISTING DEVICE PLATE AND NETWORK CABLE. REUSE EXISTING BACKBOX AND CONDUIT FOR NEW NETWORK CABLE AND DEVICE (CABLE AND DEVICE BY OWNER).

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SYSTEMS DESIGN THIRD FLOOR PLAN

NOT FOR CONSTRUCTION Job Number: 1205 Date: 03/2013

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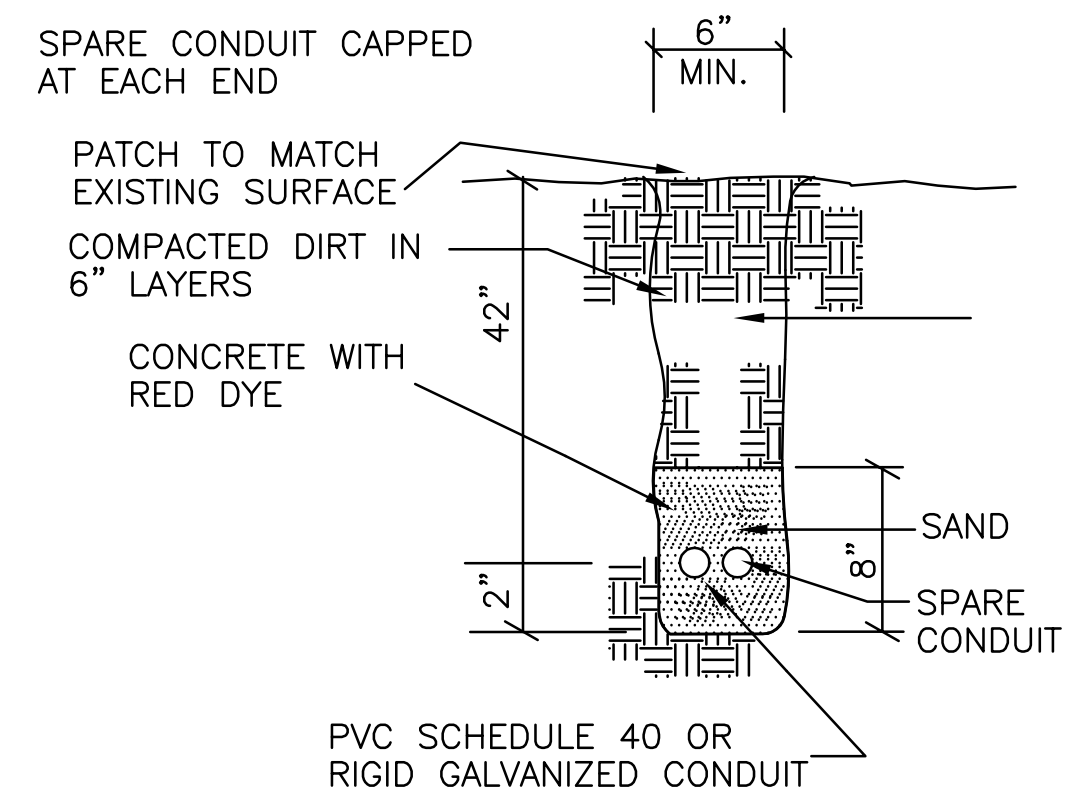
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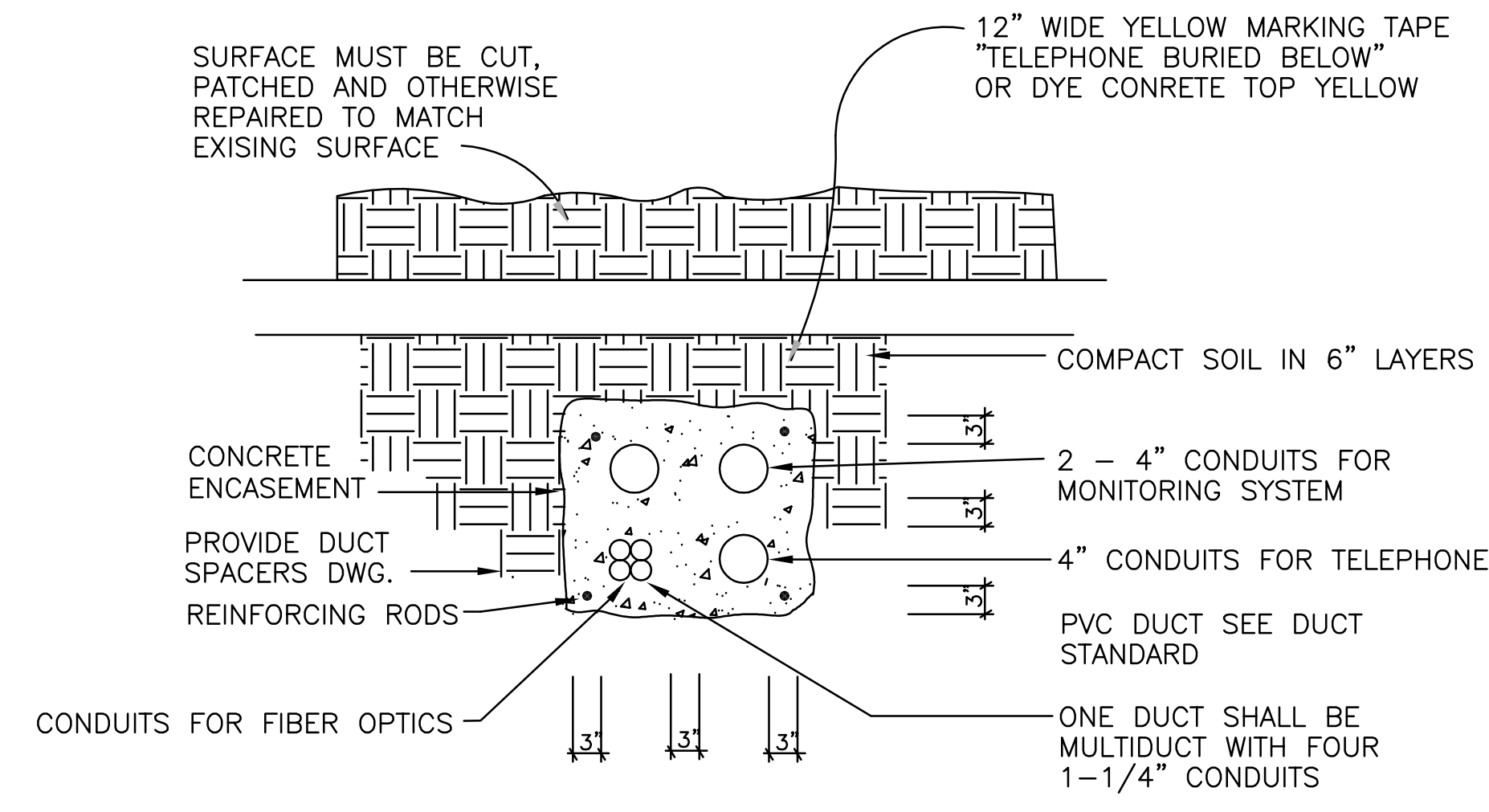
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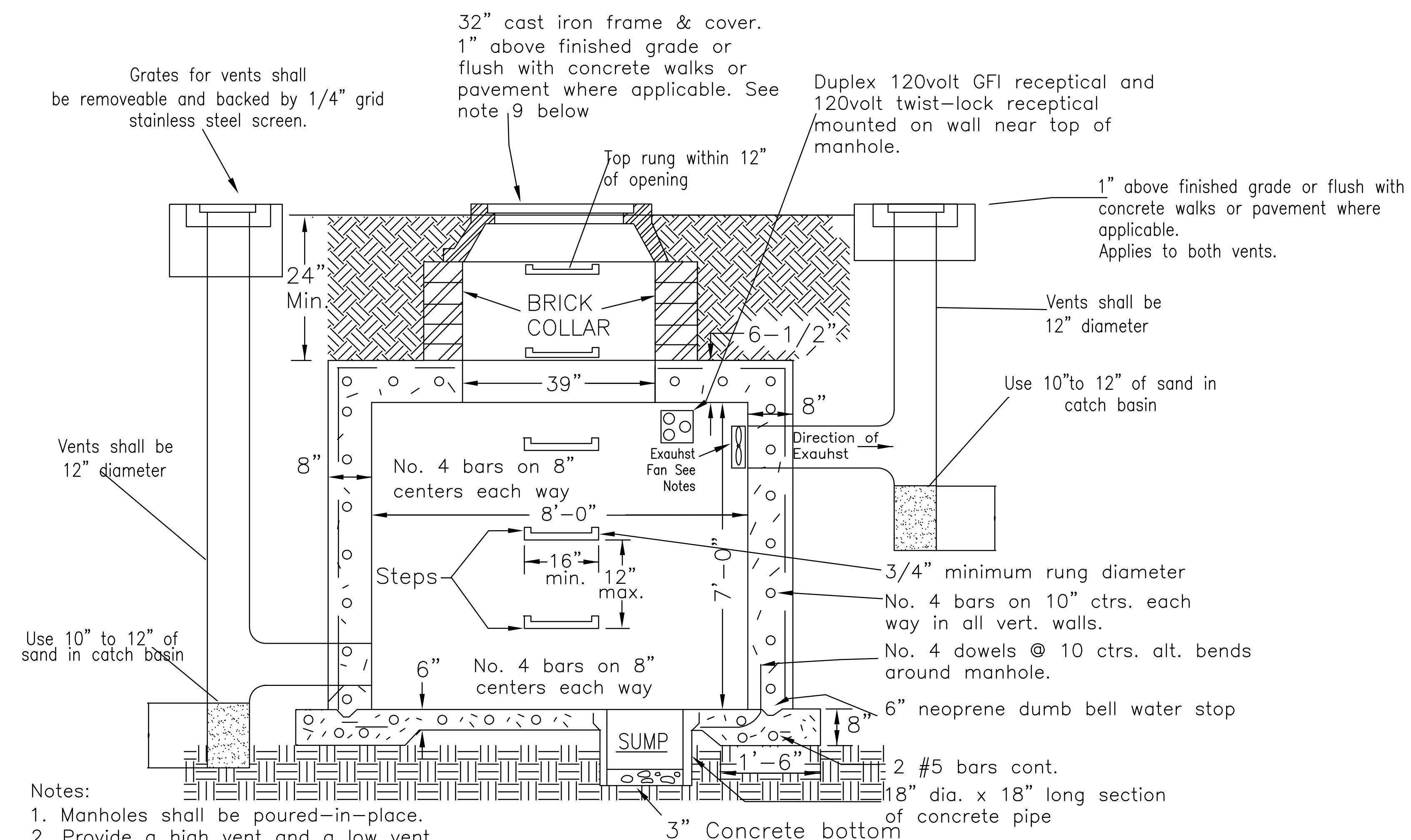


ELECTRICAL PRIMARY DUCT BANK – OVER 600 VOLTS



TYPICAL COMMUNICATION BANK

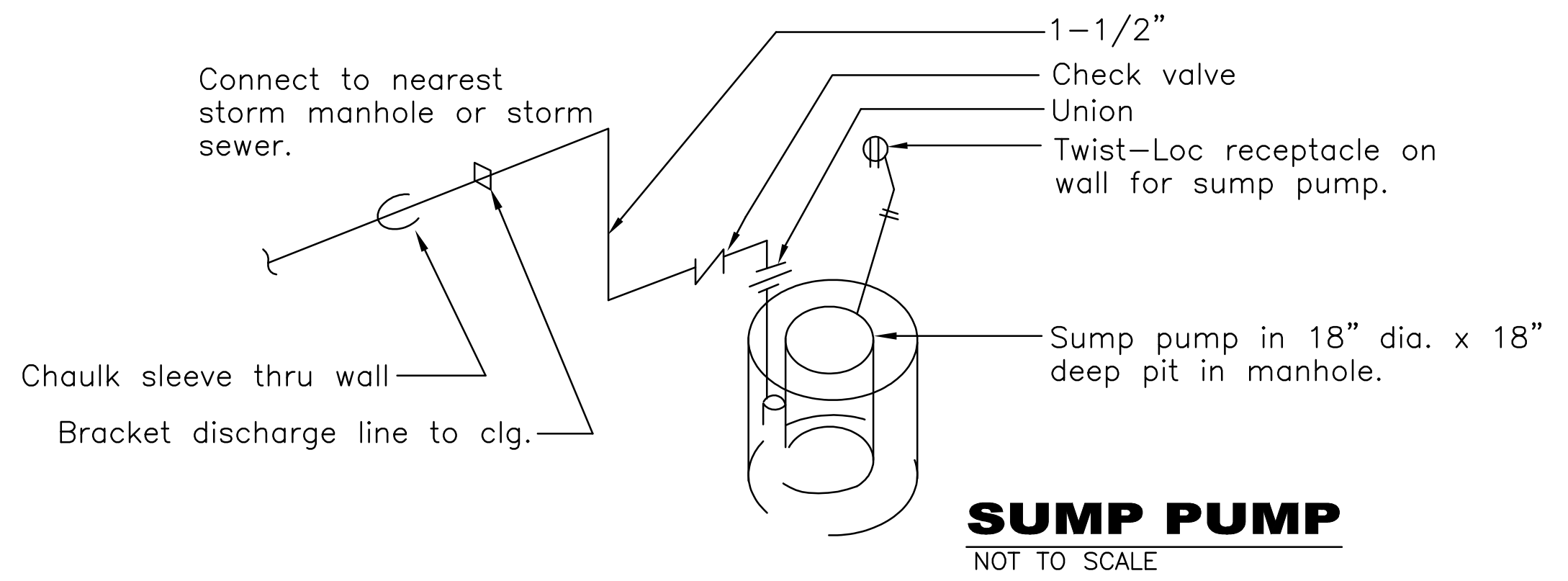
- Notes:**
1. Top of concrete encasement shall be installed a minimum of 24" below finished grade.
 2. Provide protective fence if trench is outside of construction area.



- Notes:**
1. Manholes shall be poured-in-place.
 2. Provide a high vent and a low vent
 3. Total size of manhole shall be a minimum of 8' x 12' x 7'
 4. Provide pulling eyes one per wall minimum and opposite all duct banks.
 5. Provide vaporproof fluorescent light with switch at manhole opening.
 6. Waterproof exterior surfaces below grade portion of sides and tops of manholes
 7. Provide Bell Ends on conduit.
 8. H-20 truck loading on ALL manholes.
 9. Flush mounted fabricated Aluminum cover allowed in non-traffic areas, 32" diameter clear opening must be maintained as well as H-20 loading.
 10. Exhaust Fan to meet OSHA requirements.
 11. Minimum Rebar indicated – Provide to meet structural design.
 12. All electrical conduit and boxes are to be PVC.
 12. For additional specifications, refer to UKPPD Guideline 02605S01.

CROSS SECTION

NOT TO SCALE

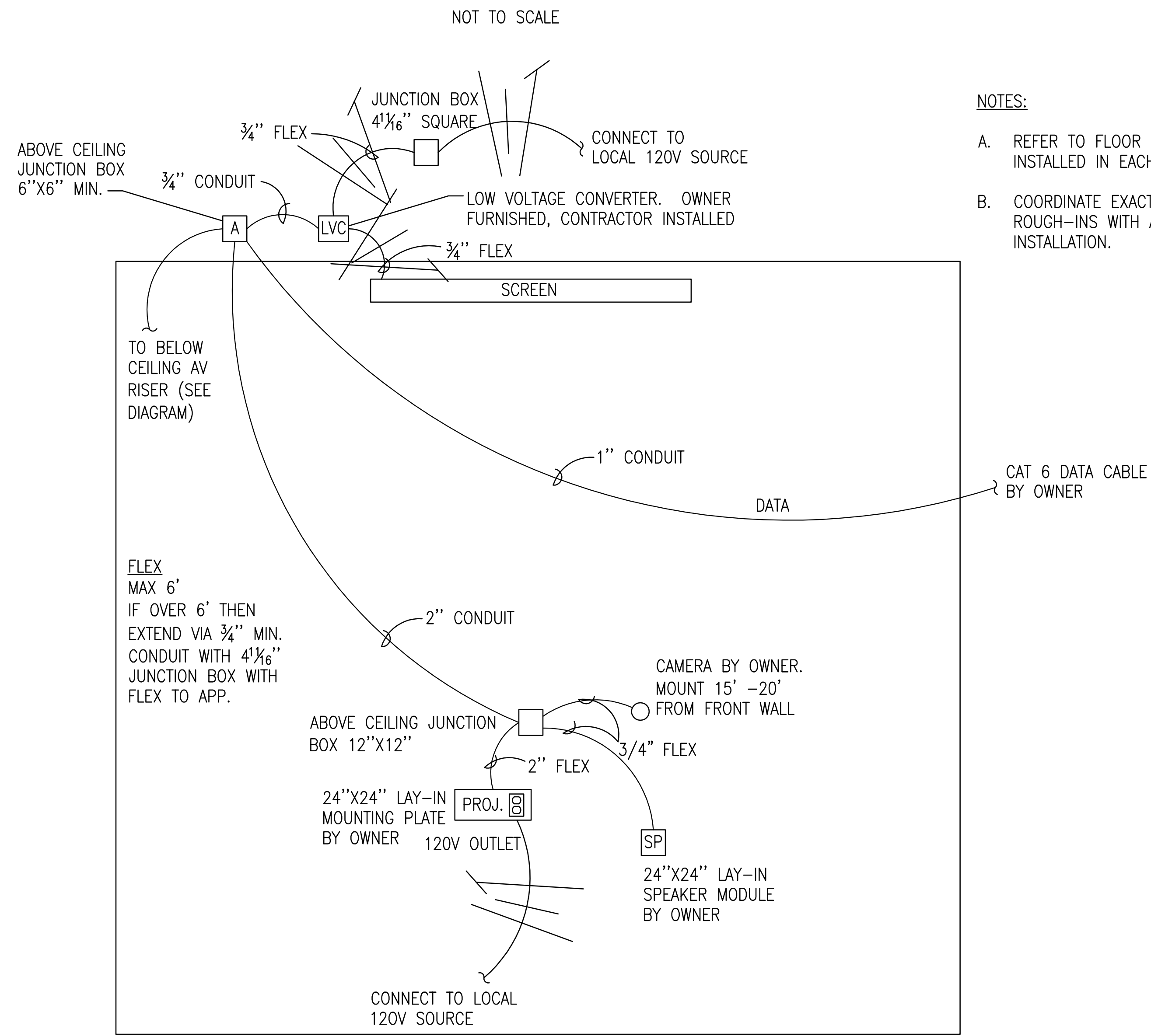


SUMP PUMP

NOT TO SCALE

ELECTRICAL MANHOLE DETAIL

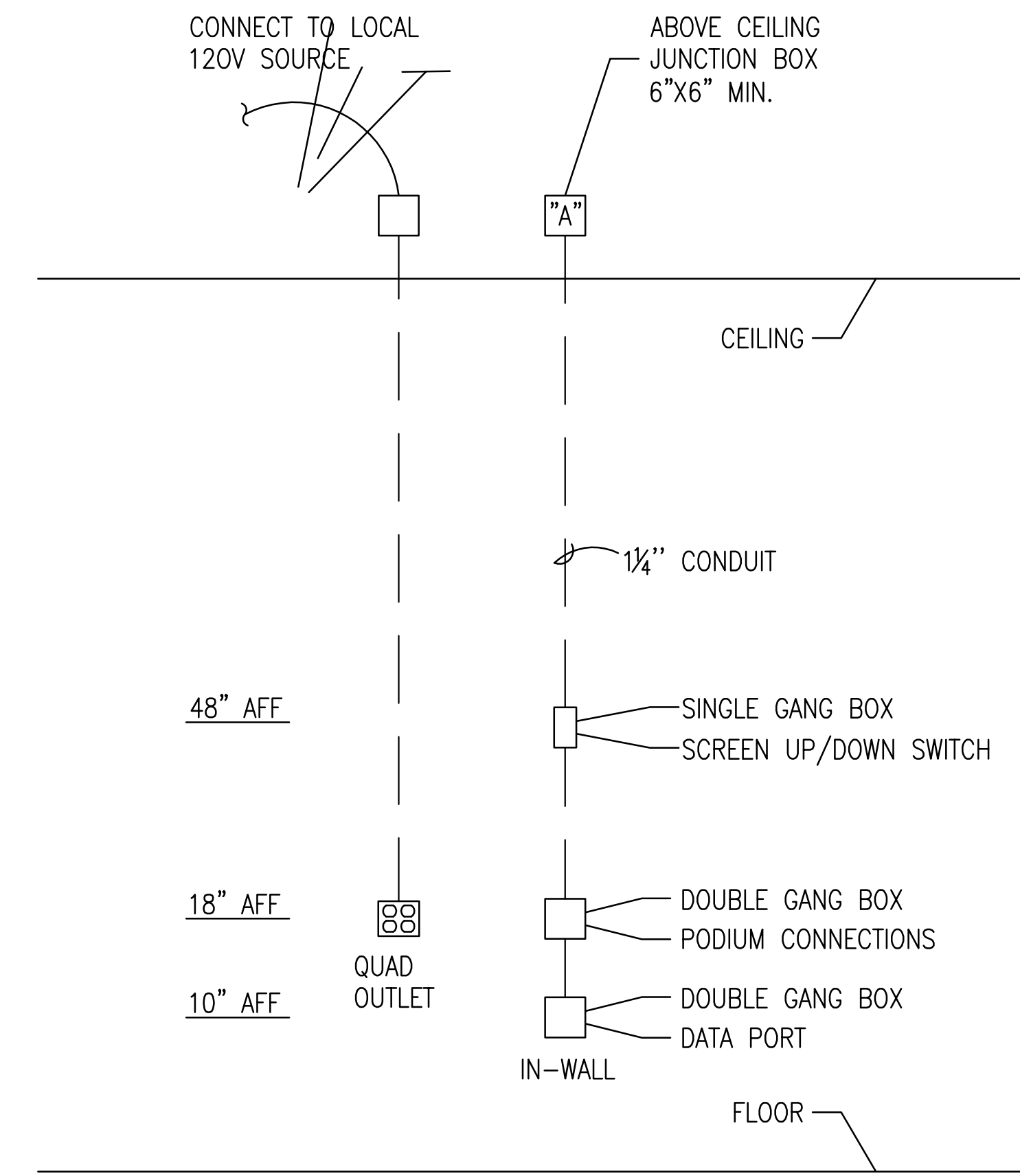
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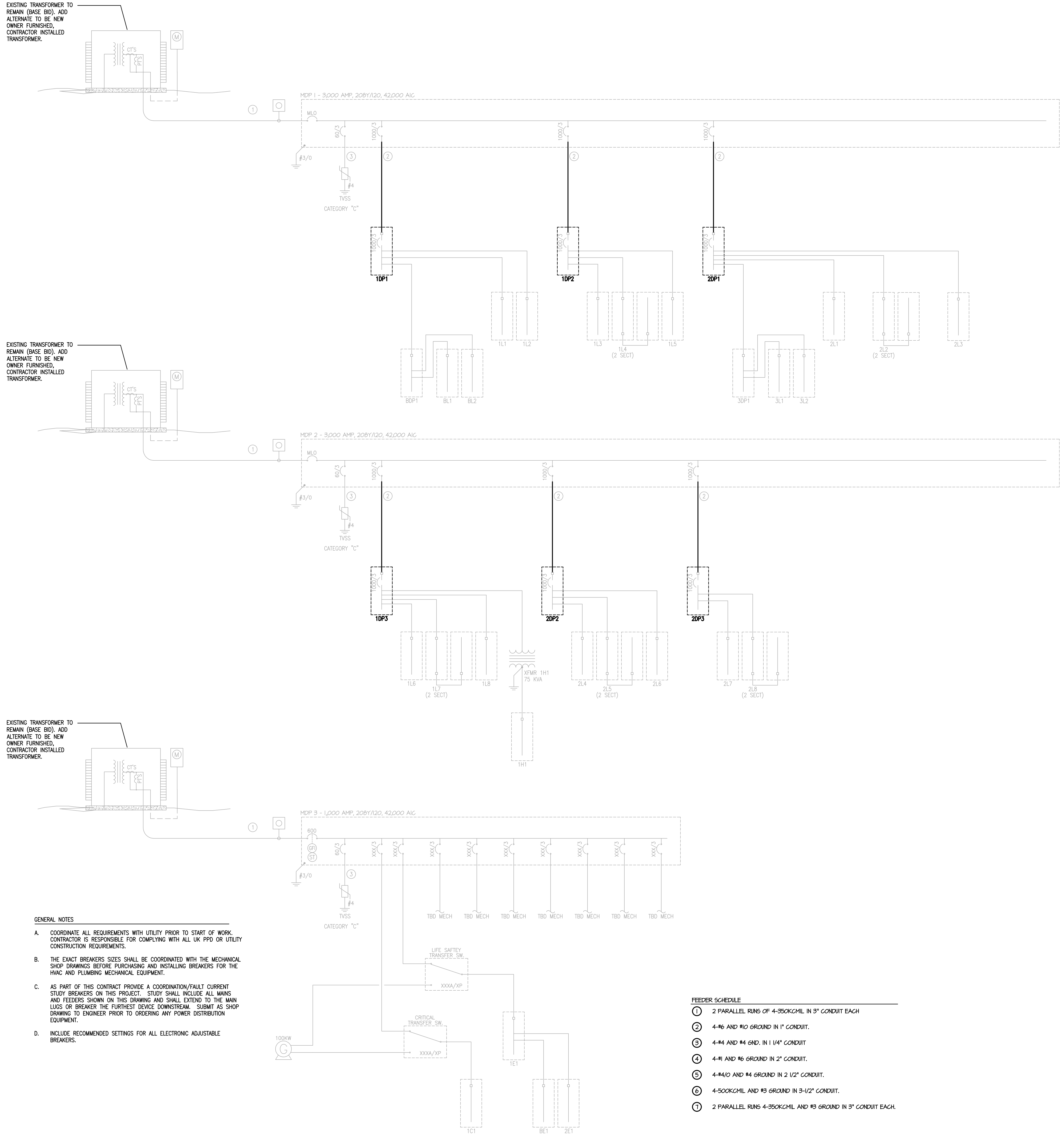
AV SYSTEM ABOVE CEILING WIRING DIAGRAM
NOT TO SCALE

NOTES:

- A. REFER TO FLOOR PLAN FOR DEVICES TO BE INSTALLED IN EACH ROOM.
- B. COORDINATE EXACT LOCATION OF ALL DEVICE ROUGH-INS WITH ARCHITECT PRIOR TO INSTALLATION.



AV RISER DIAGRAM
NOT TO SCALE



EXISTING TRANSFORMER TO REMAIN (BASE BID). ADD ALTERNATE TO BE NEW OWNER FURNISHED, CONTRACTOR INSTALLED TRANSFORMER.

EXISTING TRANSFORMER TO REMAIN (BASE BID). ADD ALTERNATE TO BE NEW OWNER FURNISHED, CONTRACTOR INSTALLED TRANSFORMER.

EXISTING TRANSFORMER TO REMAIN (BASE BID). ADD ALTERNATE TO BE NEW OWNER FURNISHED, CONTRACTOR INSTALLED TRANSFORMER.

- GENERAL NOTES**
- A. COORDINATE ALL REQUIREMENTS WITH UTILITY PRIOR TO START OF WORK. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL UK PPD OR UTILITY CONSTRUCTION REQUIREMENTS.
 - B. THE EXACT BREAKERS SIZES SHALL BE COORDINATED WITH THE MECHANICAL SHOP DRAWINGS BEFORE PURCHASING AND INSTALLING BREAKERS FOR THE HVAC AND PLUMBING MECHANICAL EQUIPMENT.
 - C. AS PART OF THIS CONTRACT PROVIDE A COORDINATION/FAULT CURRENT STUDY BREAKERS ON THIS PROJECT. STUDY SHALL INCLUDE ALL MAINS AND FEEDERS SHOWN ON THIS DRAWING AND SHALL EXTEND TO THE MAIN LUGS OR BREAKER THE FURTHEST DEVICE DOWNSTREAM. SUBMIT AS SHOP DRAWING TO ENGINEER PRIOR TO ORDERING ANY POWER DISTRIBUTION EQUIPMENT.
 - D. INCLUDE RECOMMENDED SETTINGS FOR ALL ELECTRONIC ADJUSTABLE BREAKERS.

- FEEDER SCHEDULE**
- ① 2 PARALLEL RUNS OF 4-350KCMIL IN 3" CONDUIT EACH
 - ② 4-#6 AND #10 GROUND IN 1" CONDUIT.
 - ③ 4-#4 AND #4 GND. IN 1 1/4" CONDUIT
 - ④ 4-#11 AND #6 GROUND IN 2" CONDUIT.
 - ⑤ 4-#4/0 AND #4 GROUND IN 2 1/2" CONDUIT.
 - ⑥ 4-500KCMIL AND #3 GROUND IN 3-1/2" CONDUIT.
 - ⑦ 2 PARALLEL RUNS 4-350KCMIL AND #3 GROUND IN 3" CONDUIT EACH.

ELECTRICAL ONE-LINE DIAGRAM

NO SCALE

LIGHT FIXTURE SCHEDULE							
TYPE	DESCRIPTION	MODEL	LAMPS	BALLAST	VOLTAGE	HEIGHT	NOTES
A1	RECESSED 2 X 2 VOLUMETRIC LAY-IN LENSED FLUORESCENT TROFFER WITH SILVER OPTICAL ASSEMBLY TO REDIRECT LAMP OUTPUT TO THE REFLECTOR. STANDARD STEEL DOOR FRAME AND FLUSH MITERED CORNERS. HIGHLY REFLECTIVE WHITE ENAMEL FINISH. ELECTRONIC BALLAST. DUAL BALLAST WITH SEPARATE SWITCHING (EXCEPT IN CORRIDORS).	LITHONIA 2RT8S COLUMBIA EQUAL COOPER EQUAL DAY/BRITE EQUAL	(2) 17 WATT T8	GEB10IS (DUAL BALLAST)	120V	CEILING	1
AS1E	SAME AS A1, EXCEPT CIRCUITED TO EMERGENCY PANEL						1.2
A2	RECESSED 4 X 2 VOLUMETRIC LAY-IN LENSED FLUORESCENT TROFFER WITH SILVER OPTICAL ASSEMBLY TO REDIRECT LAMP OUTPUT TO THE REFLECTOR. STANDARD STEEL DOOR FRAME AND FLUSH MITERED CORNERS. HIGHLY REFLECTIVE WHITE ENAMEL FINISH. ELECTRONIC BALLAST. DUAL BALLAST WITH SEPARATE SWITCHING	LITHONIA 2RT8S COLUMBIA EQUAL COOPER EQUAL DAY/BRITE EQUAL	(2) 32 WATT T8	GEB10IS (DUAL BALLAST)	120V	CEILING	1
AS1	SURFACE DIRECT/INDIRECT T8 TWO (2) LAMP TROFFER 48" LONG 7-1/8" WIDE 3-13/16" DEEP WITH ALUMINUM BAFFLE ASSEMBLIES AND SCULPTURED ENDCAP. WHITE PAINTED CENTER REFLECTOR WITH PERFORATED SIDE REFLECTOR/SHIELD AND A WHITE POLYESTER POWER PAINT FINISH.	PEERLESS ICDM8 COOPER EQUAL DAY/BRITE EQUAL	(2) 32 WATT T8	GEB10IS (DUAL BALLAST)	120V	CEILING	1
AS1E	SAME AS AS1, EXCEPT CIRCUITED TO EMERGENCY PANEL						1.2
F1	SUSPENDED DIRECT T8 TWO (2) LAMP TROFFER 48" LONG 7-1/8" WIDE 3-13/16" DEEP WITH ALUMINUM BAFFLE ASSEMBLIES AND SCULPTURED ENDCAP. WHITE PAINTED CENTER REFLECTOR WITH PERFORATED SIDE REFLECTOR/SHIELD AND A WHITE POLYESTER POWER PAINT FINISH.	PEERLESS ICWB-2 COOPER EQUAL DAY/BRITE EQUAL	(2) 32W T8	GEB10IS - PREMIUM EFFICIENCY	120V	SUSPEND	1
F1E	SAME AS F1, EXCEPT CIRCUITED TO EMERGENCY PANEL						1.2
F2	SURFACE DIRECT T8 TWO (2) LAMP TROFFER 48" LONG 7-1/8" WIDE 3-13/16" DEEP WITH ALUMINUM BAFFLE ASSEMBLIES AND SCULPTURED ENDCAP. WHITE PAINTED CENTER REFLECTOR WITH PERFORATED SIDE REFLECTOR/SHIELD AND A WHITE POLYESTER POWER PAINT FINISH.	PEERLESS ICDM8 COOPER EQUAL DAY/BRITE EQUAL	(2) 32W T8	GEB10IS - PREMIUM EFFICIENCY	120V	CEILING	1
F3	TRACK LIGHT COMPACT FLUORESCENT HEAD. PROVIDE ALL TRACK COMPONENTS AS NEEDED FOR FULLY OPERATIONAL SYSTEM AND LOCATIONS SHOWN ON DRAWINGS. PROVIDE ELECTRONIC BALLAST. BLACK FINISH.	LIGHTOLIER LYTEFLOOD L18 COLUMBIA EQUAL COOPER EQUAL LITHONIA EQUAL	(2) 18W TT CFL	GEB10IS - PREMIUM EFFICIENCY	120V	TRACK	1
F4	TRACK LIGHT PAR LAMP HEAD. PROVIDE ALL TRACK COMPONENTS AS NEEDED FOR FULLY OPERATIONAL SYSTEM AND LOCATIONS SHOWN ON DRAWINGS. BLACK FINISH.	LIGHTOLIER26230BK COLUMBIA EQUAL COOPER EQUAL LITHONIA EQUAL	PAR 30 (50 WATT)		120V	TRACK	1
F5	LED SURFACE MOUNTED STRIP LIGHT - 4' LENGTH. 2800 LUMENS WITH 4000K TEMPERATURE LED. GALVANIZED FINISH. INCLUDE DRIVER.	LITHONIA ZL1 SERIES COLUMBIA EQUAL COOPER EQUAL DAY/BRITE EQUAL	LED	LED DRIVER	MVOLT	CEILING	1
I	4' SURFACE MOUNTED INDUSTRIAL STRIP LIGHT WITH CAGE GUARD. PROVIDE ELECTRONIC BALLAST.	LITHONIA C232MVOLT COLUMBIA EQUAL COOPER EQUAL DAY/BRITE EQUAL		GEB10IS - PREMIUM EFFICIENCY	120V	CEILING	1
IE	SAME AS I, EXCEPT CIRCUITED TO EMERGENCY PANEL						1.2
R1	6" COMPACT FLUORESCENT DOWNLIGHT WITH OPEN CLEAR SPECULAR REFLECTOR. ELECTRONIC BALLAST.	LITHONIA LF8N SERIES COLUMBIA EQUAL COOPER EQUAL DAY/BRITE EQUAL	(1) 32 W TRT	GEB10IS - PREMIUM EFFICIENCY	120V	CEILING	1
R2	6" COMPACT FLUORESCENT DOWNLIGHT WITH OPEN CLEAR SPECULAR REFLECTOR. ELECTRONIC BALLAST.	LITHONIA LF8N SERIES COLUMBIA EQUAL COOPER EQUAL DAY/BRITE EQUAL	(2) 32 W TRT	GEB10IS - PREMIUM EFFICIENCY	120V	CEILING	1
S2	2' SURFACE MOUNTED INDUSTRIAL STRIP LIGHT WITH CAGE GUARD. PROVIDE ELECTRONIC BALLAST.	LITHONIA C114MVOLT COLUMBIA EQUAL COOPER EQUAL DAY/BRITE EQUAL	(1) 17 WATT T8	GEB10IS - PREMIUM EFFICIENCY	120V	SURFACE	1
S3E	ELEVATOR PIT LIGHT. GLASS JAR COVER WITH SYLVANIA OR PHILLIPS 26 WATT CFL.	CANLET - ELEVATOR LIGHT COLUMBIA EQUAL LITHONIA EQUAL	26 WATT CFL	GEB10IS - PREMIUM EFFICIENCY	120V	WALL	1
W1	DECORATIVE SCENCE. TBD.	LITHONIA ???? COLUMBIA EQUAL COOPER EQUAL DAY/BRITE EQUAL LITHONIA ???? LITHONIA ???? LITHONIA ???? COLUMBIA EQUAL COOPER EQUAL DAY/BRITE EQUAL	(2) 18W TT CFL	GEB10IS - PREMIUM EFFICIENCY	120V	WALL	1
W2E	EXTERIOR WALL PACK WITH INTEGRATED PHOTOCCELL. TBD.	LITHONIA ???? COLUMBIA EQUAL COOPER EQUAL DAY/BRITE EQUAL	(2) 32W TT CFL	GEB10IS - PREMIUM EFFICIENCY	120V	WALL	1

NOTES:
 1. LAMP AND BALLAST COMBINATION TO HAVE FIVE YEAR WARRANTY FROM THE FIXTURE MANUFACTURER WITH ORIGINAL BROCHURES
 2. FIXTURE TO BE CIRCUITED TO NEAREST UNSWITCHED EMERGENCY POWER CIRCUIT.
 * ALL FIXTURES SHALL BE PRE-LAMPED FROM THE MANUFACTURER
 ** POINT-BY-POINT CALCULATIONS FOR THE CLASSROOMS, MEDIA CENTER, CAFETERIA, GYMNASIUM AND SITE ARE REQUIRED. MANUFACTURERS WISHING TO BID THIS PROJECT MUST SUBMIT ORIGINAL FIXTURE BROCHURES, AND ELECTRONIC FILE (VISUAL OR AG32) POINT-BY-POINT CALCULATIONS, TEN (10) DAYS PRIOR TO BID FOR WRITTEN APPROVAL.

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ELECTRICAL SCHEDULES

NOT FOR CONSTRUCTION Job Number: 1205

Date: 03/20/13

Drawn By: CE/CRK

Checked By: JMS

Revision: XXX



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