

EXHIBIT D-2A DRAWINGS E0001 – E0008

RFP No. 901516 – East County Hall of Justice BDA & DAS



5/15/2015 1:31:40 PM
I:\14095_EAST COUNTY HALL OF JUSTICE - DUBLIN\01-DRAWINGS\ECHOJ-E0001 SYMBOLS LIST _ Oce42x30amp_ECHOJ.ctb _ Grace Lui **(2)** CONNECTION TO GROUND.
CURRENT TRANSFORMERS.
POTENTIAL TRANSFORMERS. IRING SYSTEM WITH ULAR CABLE SETS IRE ABOVE IN NOTHER DIVISION. OTED ON PLANS. DAS FOTP DAS FIBER TERMINATION PANEL. SINGLEMODE FIBER RISER AND HUB DISTRIBUTION.

H DAS CEILING DISTRIBUTION HUB WITH SINGLEMODE FIBER CABLE FROM THE FLOOR

DAS CEILING ANTENNA WITH COAX CABLE FROM CEILING DISTRIBUTION HUB.

BDA DAS BI-DIRECTIONAL AMPLIFIER WAP **W**AP **Y** [∂]R**¥** <u>م</u> چ 9 6 **6** ΕV V NOTE:

1. ALL WORK STATION CABLES INSTALLED IN THE COURT BUILDING WILL BE CATEGORY 6A.

2. ALL WORK STATION CABLES INSTALLED IN THE COUNTY BUILDING WILL BE CATEGORY 6. ELECTRIFIED FURNITURE PARTITION COMBINATION POWER/TELECOMMUNICATION FEEDS, MOUNTED IN FLUSH FLOOR BOX WITH KO'S IN COVERS TO ACCEPT FURNITURE WHIPS. TELECOMMUNICATIONS WHIP SHALL BE 1 1/4" MINIMUM. ELECTRIFIED FURNITURE PARTITION TELECOMMUNICATION CABLE FEED, WALL MOUNTED, +18" UON. CONSISTS OF 4 11/16" SQ. X 2 1/8" DEEP. JUNCTION BOX, SINGLE GANG RING, AND STAINLESS STEEL COVERPLATE WITH 1 1/4" KO AND GROMMET. WRAP EXPOSED CABLE WITH SPIRAL WRAP. AREA OF REFUGE CALL AND BASE STATION WITH 1CATEGORY 6A CABLE CABLE BETWEEN CALL AND BASE STATION. TELECOMMUNICATION DEVICE, 2 CATEGORY 6/6A CABLES UON, WALL MOUNTED, +18" L COUNTER, 6" ABOVE BACK SPLASH, UON. WIRELESS ACCESS POINT, 2 CATEGORY 6/6A CABLES UON, WALL MOUNTED, 8" BFC UON. DENOTES WALL MOUNTED OVER COUNTER, 6" ABOVE BACK SPLASH UON.

'TP' DENOTES TAMPER PROOF RECEPTACLE TYPE.

SHADING DENOTES SPECIALTY DEVICE, TYPE AS NOTED ON PLANS.

DUPLEX CONVENIENCE RECEPTACLE DEVICE, MOUNTED IN FLUSH FLOOR BOX.

DOUBLE DUPLEX CONVENIENCE RECEPTACLE DEVICE, MOUNTED IN FLUSH FLOOR BOX. DUPLEX CONVENIENCE RECEPTACLE DEVICE, CORD OR REEL HUNG FROM STRUCTURE ABOVE. TYPE AS NOTED ON PLANS. ELECTRIFIED FURNITURE PARTITION POWER FEED, MOUNTED IN FIRE-RATED POKE-THRU FLOOR FITTING WITH KO IN COVER TO ACCEPT FURNITURE WHIP. 8 WIRE (4 HOTS, 2 NEUT 2 GROUND) HOMERUN SERVING ELECTIRFIED FURNITURE PARTITION SYSTEM. ELECOMMUNICATION X D I I S S S 오 테 [[[**≅** ⊖ o LIGHTING CONTROL VACANCY SENSOR WITH +42" UON.
CORNER MOUNTED LIGHTING CONTROL VACA CEILING MOUNTED DUAL CIRCUIT TO CONTROL NORMAL AND EMERGENCY. SEPARATE OCCUPANCY SENSORS IF REQUIRED. CEILING MOUNTED DAYLIGHT SENSOR. EXACT LOCATION TO BE DETERMINED BY MANUFACTURER. SWITCH LEVELS INDICATED. WHERE "E" IS SHOWN EMERGENCY AND NORMAL SHALL BE CONTROLLED TOGETHER. RECESSED MOUNTED LIGHT FIXTUF RECESSED SLOT FIXTURE. STRIP FOR COVE FLUORESCENT LIGHT FIXTURE, V COMPACT FLUORESCENT, INCAN WALL MOUNTED. TWO-HEAD AREA LIGHT FIXTURES WITH CONCRETE BASE. LIGHTING MULTI-OUTLET TWO PIECE SURFAC MOUNTING AS NOTED ON PLANS. NO CROSSMARKS INDICATES TWO #12 AWG CONDUCTORS, UON.
 THREE TO SIX CROSSMARKS INDICATES THE QUANTITY OF #12 AV CONDUCTORS, UON.
 SEVEN OR MORE CROSSMARKS INDICATES THE QUANTITY OF #10 CONDUCTORS, UON. \bigcirc \Box \bigcirc INTERMEDIATE METAL CONDUIT
INSTANTANEOUS OR POINT OF US
WATER HEATER
JUNCTION BOX
LOCK-OUT-TAG-OUT HEATING, VENTING AND AIR CONDITIONING AMPERE OVERCURRENT TRIP (WHEN APPLIED TO CIRCUIT BREAKERS)

AUTOMATIC TRANSFER SWITCH

BUILDING AUTOMATION SYSTEM

BATTERY FOR FIRE ALARM EMERGENCY POWER OFF ENERGY MANAGEMENT CONTROL SYSTEM AMPERE OVERCURRENT TRIP (WHEN APPLIED TO CIRCUIT BREAKERS) OR AMPERE FUSE SIZE (WHEN APPLIED TO OVERCURRENT PROTECTIVE DEVICE SPACE IDENTIFICATION TAG. REFERS TO LOCATION OF PROTECTIVE OR CONTROL DEVICE WITHIN SWITCHBOARDS, DISTRIBUTION BOARDS, MOTOR CONTROL CENTERS, ETC. JIPMENT IDENTIFICATION TAG: ITEM FURN P = POWER T = TELEPHONE ER SIZE. REFER TO FEEDER SCHE -FIXTURE TYPE -QUANTITY TYPICAL

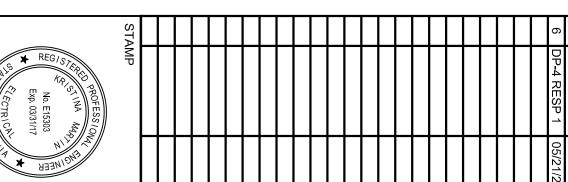
UNLESS OTHERWISE NOTED

UNINTERRUPTIBLE POWER SL OWNER FURNISHED CONTRA EXISTING TO BE REMOVED ER SUPPLY DEVICE

DRAWING TITLE SYMBOLS LIST

E0001

DP-4 RESP 1





Dublin, CA 94568





I:\14095_EAST COUNTY HALL OF JUSTICE - DUBLIN\01-DRAWINGS\ECHOJ-E0002 NOTES _ Oce42x30amp_ECHOJ.ctb _ Grace Lui GENERAL ALL INDOOR FLOOR MOUNTED ELECTR PAD. ALL OUTDOOR ELECTRICAL EQUIF OTE THE OUTLETS CONTROLLED. I. CONTRACTOR SHALL LAYOUT RUNS TO TION REQUIREMENTS OF OTHER TRADES. THROUGH FIRE RATED WALLS AND FIRE SEPARATION RATING. PROVIDE STI - 4X4 EZ PATH SLEEVES OR EQUIVALENT PRODUCT WHEN PASSING CABLE THROUGH RATED WALLS. PROVIDE QUANTITY REQUIRED TO SUPPORT INSTALLED CABLE AT 40% FILL AND 50% FOR GROWTH. AREA OF SLEEVES SHALL MATCH THE CABLE TRAY AREA.

PROVIDE STI - 4X4 EZ PATH SLEEVES OR EQUIVALENT PRODUCT WHEN PASSING CABLE THROUGH RATED WALLS. PROVIDE QUANTITY REQUIRED TO SUPPORT INSTALLED CABLE AT 40% FILL AND 50% FOR GROWTH. AREA OF SLEEVES SHALL MATCH THE CABLE TRAY AREA. LABEL BOTH ENDS OF TELEPHONE TIE CABLE AT THE PATCH PANEL AND 110 BLOCI 110 LABELING SHALL MATCH THE VOICE PATCH PANEL. ALL VOICE/DATA CABLE AND TERMINATION HAF (AREAS A & B) SHALL BE CATEGORY 6A. WHEN CABLE LEAVES CABLE TRAY AND CABLE LADDER USE CABLE DROP OUT HARDWARE TO PROTECT CABLE. TERMINATE ALL CABLE DISTRIBUTION IN DATA JACKS AND 48 PORT PATCH PANEL THAT MATCH THE CATEGORY OF THE CABLE INSTALLED.
PATCH PANELS SHALL TAKE UP NO MORE THAN 50% OF THE EQUIPMENT RACK SPACE TO ALLOW FOR NETWORK EQUIPMENT TO BE INSTALLED. POURED-IN-PLACE OR PRECAST CONCRETE UTILITY TRANSFORMER PAD SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR. PAD SHALL CONFORM TO PGE STANDARD DETAILS AND SPECIFICATIONS. NDERGROUND ELECTRICAL AT OR ABOVE 480V SHALL BE ENCASED IN ONCRETE UNDERGROUND ELECTRICAL BELOW 480V SHALL HAVE TRACER APE PLACED OVER THE CONDUIT. . VOICE/DATA CABLE AND TERMINATION HARDWARE IN THE COUNTY BUILDING EAS C & D) SHALL BE CATEGORY 6E. E PULLBOXES TO MINIMUM CODE REQUIREMENTS. OBTAIN THE LANDSCAPE CHITECTS APPROVAL OF ANY PULLBOX(ES) ADDED TO FACILITATE THE TALLATION OF CONDUITS SHOWN ON THE PLANS. NG STANDARDS
IA-568-B; COMMERCIAL BUILDING TELECOMMUNICATIONS CABL
DS PART 1, PART 2, PART 2 ADDENDUM 1.
SIA 569-A-1, PERIMETER PATHWAY, A-2 FURNITURE PATHWAY, AAY AND WIREWAYS
SIA 606-A: ADMINISTRATION STANDARD FOR TELECOMMUNICATION COLURE. CABLING NOTES
 BUSWAY & BREAKER S

 DESIGNATION
 AMP

 BW-WEST
 1400

 (1)BUSWAY BKRS
 125

 (4) BUSWAY BKRS
 1200

 BW-EAST
 700

 (3) BUSWAY BKRS
 100

 (2) BUSWAY BKRS
 125
 ELECTRICAL GEAR SCHEDULE

DISTRIBUTION GEAR IN UTILITY YARD

DESIGNATION AMPS VOLTAGE

GENERATOR TRANSFORMER SCHEDULE
DESIGNATION KVA TYPE
COURTS
 TILL
 PROJECT #:20130014.001 OSFM: 01-01-11-0005 SHEET NUMBER CONSULTANT The Engineering 1305 MARINA VILLAGE PKWY # 100 ALAMEDA, CA 94501-1122 (510) 769-7600 EAST COUNTY HALL OF JUSTICE E0002 JOB #14095 Courts Building - 5151 Gleason Dr. County Building - 5149 Gleason Dr. HENSEL PHELPS
Plan. Build. Manage.

Dublin, CA 94568

DP-4 RESP 1 ADD B

7/23/20<mark>15_1:</mark>02:47 PM I:\14095_E<mark>AST</mark> COUNTY HALL OF JUSTICE - DUBLIN\01-DRAWINGS\ECHOJ-E0002 NOTES _ Oce42x30amp_ECHOJ.ctb _ Grace Lui

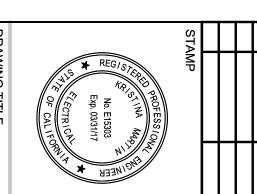
		c c	Courts Building)] = =	•	
Description	Load/Units	West	East	Common	County Building	lotals	Units
Load Summary							
Lighting Loads		87,506	85,669	1,837	48,382	223,395	Watts
Plug Loads		238,653	233,643	5,010	131,952	609,258	Watts
Mechanical Loads		1,010,435	269,133	3,312	410,404	1,693,284	Watts
Data Loads		196,746	190,066		126,852	Ð	Watts
Future EV			210,000		220,000		Watts
Elevator Loads		10	282,585	1	•	282,585	Watts
Total Load		1,533,340	1,271,096	10,159	937,590	2,808,521	Watts
Load in Amps		1,845	1,530	12	1,128	3,380	Amps
Total in Amps				3,387	1,128		
Load at 115%				3,895	1,410	5,305	Amps
Service Size				4000	1,600		Amps

ECHOJ ELECTRICAL LOAD SUMMARY	43. NOTE THAT BRANCH CIRCUIT WIRING IS NOT SHOWN. CIRCUIT NUMBERS ARE SHOWN ADJACENT TO ALL OUTLETS/FIXTURES/DEVICES. PROVIDE ALL BRANCH CIRCUIT WIRING BASED ON CIRCUIT NUMBERS SHOWN TO COMPLETE THE WIRING SYSTEM.	67 T	H. ALL CONDU	D WIRING ARE SHOWN ON THE SHALL BE DETERMINED IN THE ACCESS AND WORKING SPACE	CUITS SHALL HAVE A MINIMUM TWO (2) #12 AWG AND HWN/THHN. PROVIDE ALL WIRES AND WIRE SIZES RE	D AND SEALED. CONDUITS FOR EXTERIOR ELECTRICAL DEVICI UILDING, UNLESS OTHERWISE NOTED. UNDERGROUND AND E AVE WATERTIGHT FITTINGS.	OF WORK. RUNS INTO BUILDINGS SHALL BE INSTALLED WITH FLASHING.	INSTALLATION. 36. PROVIDE ALL REQUIRED "CUTTING, PATCHING, BACK FILL AND REPAIRS" NECESSARY TO RESTORE DAMAGED SURFACES TO EQUAL OR BETTER THAN ORIGINAL CONDITIONS	RAWINGS ACCEPTABLE TO THE ARCHITE LLS PROVIDED FOR THE PROJECT SHALL OVIDE ALL INCIDENTAL MATERIALS REQU	ECORD DRAWINGS AT THE PROJECT SYSTEMS. AT THE CONCLUSION OF	33. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF PERSONS AND PROPERTY AND SHALL PROVIDE INSURANCE COVERAGE AS NECESSARY FOR LIABILITY, PERSONAL, PROPERTY DAMAGE, TO FULLY PROTECT THE OWNER, ARCHITECT AND ENGINEER FROM ANY AND ALL CLAIMS RESULTING FROM THIS WORK.	ACCORDANCE WITH TITLE 24, CBC. OFFSET ALL RECESSED JUNCTION BOXE: ISOLATION.		. ALL RECEPTACLES LOCATED ON THE EXTERIOR SHALL BE PROVIDED WITH A COVER.	27. ALL FIXTURES, PANELS AND DEVICES SHALL BE PROVIDED WITH STRUCTURAL BLOCKING, FASTERNERS AND TIES.28. ALL CIRCUITS 100' OR MORE IN LENGTH SHALL BE #10 AWG MINIMUM, U.O.N.	LUMBING FLANS & SPECIFICATIONS FOR CONNECTION LUMBING EQUIPMENT REQUIREMENT. PROVIDE CIRCL PANEL, UON.	20V/24V TRANSFORMER AS REQUIRED TO POWER OM PLUMBING CONTROLS, DUCT SMOKE DETECT D FIRE SMOKE DAMPERS FOR MECHANICAL EQU	SYSTEM DRAWINGS AND SPECIFICATIONS ONAL INFORMATION, AND COMPLETE SCO	RYSTEM AND TELECOM SYSTEM ON THIS DECLECT	NELBOARD SECTIONS SHALL H RY 3 SPARE BREAKERS, STUBE	23. ALL CONDUITS SHALL BE CONCEALED IN ALL FINISHED INTERIOR AREAS. EXPOSED CONDUIT, J-BOXES, PULL CANS AND PANELS SHALL BE PRIMED AND PAINTED PER	CTION FOR ALL MECHANICAL AND PLUMBING ; INSTALLATION MANUAL.	SHALL NOT BE USED FOR CONDUCTOR SPI COORDINATE EXACT LOCATIONS OF ALL A PLUMBING EQUIPMENT WITH ARCHITECTU	USE FEED-THRU GFCI TYPE RECEPTACLES. LOCATE RECEPTACLE AT END BRANCH CIRCUIT WIRE. . WIRING SPACE IN PANELBOARDS, DISTRIBUTION PANELS AND SWITCHBOA	F THE ELECTRICAL SYSTEM. AT EACH LOCATION SHOWN, D	18. CONTRACTOR SHALL REPORT TO THE OWNER'S ENGINEER ANY OBSERVATIONS OF CONDITIONS WHICH ARE DISCOVERED IN THE BUILDING WHICH WOULD	REMOVE ALL LEFT OVER CONDUIT. WIRE. SCRAPS	ND BEAR THEIR LABEL. LOW VOLTAGE CONTROL AND INTE R DIVISION 23. THIS SHALL ALSO IN	THE LABELS) IALS AND EQ	LL COMMENCE ONLY AFTER FIELD LAYOU ⁻ /ED. ARC-FI ASH I ABFI S WITH FI FCTRICAL FOUI	13. CONTRACTOR SHALL NOTIFY ARCHITECT TWO WEEKS PRIOR TO CORE DRILLING FOR FLOOR MONUMENTS TO PERMIT ON SITE VERIFICATION OF OUTLET POSITIONS. FLOOR SLAB SHALL BE MARKED TO INDICATE THE LOCATION OF EACH OUTLET PENETRATION TO ASSIST THE ARCHITECT IN PERFORMING HIS	EQUIREMENTS SHALL BE PER NEC 250.	A BUILL CORD IN EVERY EMPTY A BUILL CORD IN EVERY EMPTY	REFER TO TELEPHONE RISER DIAGRAM FOR TELEPHONE RISER CONDUIT SIZE OF THE PROPERTY OF THE PROPE	COMPONENTS OF THE ELECTRICAL SYSTEM. 8. VERIFY ALL VOLTAGES OF MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.	6. DO NOT INSTALL TELEPHONE OR POWER OUTLETS BACK TO BACK IN STUD WALLS. 7. REFER TO ELECTRICAL ONE LINE DIAGRAM AND FEEDER SCHEDULE FOR THE SIZE OF CONDUITS AND CONDUCTORS BETWEEN MAJOR POWER	5. ON PANEL SCHEDULES.	3. ELECTRICAL SAFETY MATING SHALL BE PROVIDED IN FRONT OF EQUIPMENT 1200A AND HIGHER. A I ARFI ING ON ELECTRICAL PANFLS SHALL INCLUDE WHERE THE PANEL IS FED FROM.	 INSTALL AND CONNECT A CODE SIZED INSULATED OR BARE COPPER GROUNDING CONDUCTOR IN ALL BRANCH CIRCUITS AND FEEDERS. 	GENE
	CONDUIT AND PATHWAY PENETRATIONS MADE THROULE BE PROTECTED BY AN APPROVED FIRESTOPPING SWINGS FIRE-RESISTIVE ASSEMBLY SHEETS A9602 THR	ALL RATED WALL LOCATIONS SHOWN ON THE ELECTRICAL BACKGROUREFERENCE ONLY. REFER TO THE ARCHITECTURAL CODE SHEETS A02 AND FIRE-RESISTIVE ASSEMBLY SHEETS A0602 THRU A0610	DATED ASSEMBLY NOTE	1. ALL INDOOR FLOOR MOUNTED ELECTRICAL EQUIPMENT SHALL HAVE A 4" HOUSEKEEPING PAD. PAD. ALL OUTDOOR ELECTRICAL EQUIPMENT SHALL HAVE A 6" HOUSEKEEPING PAD.	EQUIPMENT PADS	NEO LAL CONDOCTORO.	BETWEEN PHASES A, B, AND C. A SEPARATE NEUTRAL CONDUCTOR AND GROUND SHALL BE SPECIFIED FOR EACH PHASE. 6. THREE PHASE FEEDERS SERVING COMPUTER EQUIPMENT SHALL HAVE DOUBLE SIZE NEUTAL CONDUCTORS	14 AWG MIN FOR CONTROLS OR SIGNAL. 5. FOR BRANCH CIRCUITS SUPPLIED FOR COMPUTER AND ELECTRONIC OFFICE EQUIPMENT, THE NEUTRAL AND GROUND CONDUCTORS SHALL NOT BE SHARED	4. ALL CONDUCTORS SHALL BE COPPER THHN/THWN. XHHW SHALL BE USED FOR SIZES LARGER THAN #1/0. CONDUCTOR SIZES SHALL BE NO.12 AWG MIN. FOR POWER AND NO. 14 AWG MIN FOR CONTROL S OR SIZEMAL	CONTRACTOR IS RESPONSIBLE FOR PROVIDING RACEW FOR ALL LIGHTING, POWER, SIGNAL AND CONTROL SYST	ERVES THE AREA. THE CONTRACTOR IS TO CONNECT THE DEVICE: PPROVED METHODS PER THE SPECIFICATION AND WHICH MEET ALBLE CODES. DERATING FACTORS SHALL BE APPLIED TO CONDUCT	ED AS ACH OI JACEN	CIRCUITING NOTES	MECHANICAL AND PLUMBING DRAWINGS FOR ADDITIONAL ROUGH-IN REQUIREMENTS.	C7. COORDINATE FLOOR HEATING PIPING WITH ELECTRICAL FLOOR BOXES, CONDUITS, ETC. LOCATED IN EACH FLOOR SLAB. C8. REFERENCE SECURITY, DETENTION, DOOR HARDWARE, FIRE ALARM, AV,	. INSTALL A POLYETHYLENE PULLING ROPE IN ALL EMPTY CONDU	CONCRETE SLABS, JOISTS AND BEAMS. C5. ALL CONDUITS CROSSING EXPANSION JOINTS SHALL BE PROVIDED WITH SPECIFIED EXPANSION/DEFLECTION FITTINGS.	C4. REFER TO STRUCTURAL DRAWINGS FOR CONDUIT INSTALLATION REQUIREMENTS AND LIMITATIONS AT FOOTINGS AND FOR CONDUIT RUNS IN OR THROUGH	C3. CONDUITS IMBEDDED IN SLABS SHALL BE NO LARGER THAN 1-1/4" TRADE SIZE OR 1/3 OF SLAB DEPTH, WHICHEVER IS SMALLER. SPACE CONDUIT 5" APART (CENTER-TO-CENTER). COORDINATE LOCATION WITHIN SLAB WITH STRUCTURAL ENGINEED DEIDE TO INSTALL ATION	SUIT FIELD CONDITIONS AND THE COORDINATION REQUIREMENTS OF OTHER TRADE. ALL CONDUIT AND RACEWAY PENETRATIONS THROUGH FIRE RATED WALLS AND FLOORS SHALL BE SEALED TO MAINTAIN THE FIRE SEPARATION RATING.	MOHS A	CONDUIT NOTES	 L11. OPEN OFFICE TASK LIGHT WILL BE PROVIDED WITH ELECTRIFIED FURNITURE AND MANUALLY CONTROLLED. L12. SUBSCRIPTS ON SWITCH SYMBOLS (Sa) DENOTE THE OUTLETS CONTROLLED. 	CEILING MOUNTED OCCUPANCY SENSORS AF FULL SHOP DRAWINGS ARE REQUIRED INDICAPOWER PACKS AND CONNECTIONS.		L7. PROVIDE U.L. LISTED FIRE STOP ENCLOSURES FOR ALL RECESSED FIXTURES IN FIRE RATED CEILINGS. L8. PROVIDE SINGLE PLATE WALL COVER FOR MULTIPLE SWITCHES, SEE DRAWINGS FOR	RUN ALL INTERIOR CONDUIT IN FINISHED INTERIOTHERWISE NOTED.	ARCHITECTURAL DOCUMENTS AND COORDINATE TRIMS. PROVIDE ALL REQUIRED FIXTURE MOUNTING HARDWARE. COORDINATE FIXTURE TYPES WITH MOUNTING SURFACE PRIOR TO ORDERING.	UMENTS FOR EXACT PLACEMENT OF ALL L	REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATIONS OF WALL LIGHT FIXTURES. THESE DRAWINGS INDICATE APPROXIMATE LOCATIONS	L2. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF CEILING MOUNTED LIGHT FIXTURES. THESE DRAWINGS INDICATE APPROXIMATE LOCATIONS ONLY.	BE CONNECTED USING THE SPECIFIED MANUFACTURED WIRING SYSTEM. CONNECT FIXTURES ACCORDING TO CIRCUIT NUMBERS ADJACENT TO FIXTURES OR LOCAL SWITCH CONTROL STATIONS.	ES NOT SHOWN CIRCUITED WITH CONDUIT		ERV	∃ Z	EQUIPMENT NOTES	7 8 9 5	44. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SITE LOCATING ALL EXISTING UNDER-GROUND SYSTEMS IN THE AREA OF UNDER GROUND WORK. REPAIR ALL DAMAGED SYSTEMS TO OWNERS SATISFACTION. MAINTAIN EXTREME CARE DURING TRENCHING AS EXISTING SYSTEMS ARE KNOWN TO EXIST IN THE AREA. THE DRAWINGS AND SEPECIFICATIONS ARE FOR THE ASSISTANCE AND GUIDANCE OF THE CONTRACTOR EXACT	
		2. PER CEC 210.4(B), PROVIDE HANDLE TIE ATTACMENT FOR SIMULTANEOUS DISCONNECT OF ALL MULTI WIRE BRANCH CIRCUITS.	b. PROVIDE LOCKOUT DEVICE AT BREAKER. c. PROVIDE BREAKER WITH RED TRIP HANDLE. d. IDENTIFY FIRE ALARM DEVICES CLEARLY ON P.	1. BREAKER FOR FIRE ALAMR CONTROL PANEL AND OTHER FIRE ALARM DEVICES SHALL COMPLY WITH NFPA 72: 4.4.1.4. a. PROVIDE DEDICATED CIRCUIT.	PANEL SCHEDULE NOTES	CONCRETE UNDERGROUND ELECTRICAL BELOW 480V SHALL HAVE TRACER TAPE PLACED OVER THE CONDUIT.	ONDUIT ENTRY F	NDSCAPE AF	CONTRACTOR SHALL REFER TO EASEMENT DRAW TO MAINTAIN ALL EQUIPMENT AND DUCTS WITHIN	MENT. EQUIPI	D DAMAGE TO SAME. NIMUM CODE REQUIREMENTS. OBTAIN THE LAI L OF ANY PULLBOX(ES) ADDED TO FACILITATE .	S8. PRIOR TO COMMENCING TRENCHING OPERATIONS, CONTACT THE UTILITIES UNDERGROUND SERVICE ALERT BUREAU AND DETERMINE THE EXACT LOCATION OF ANY EXISTING UTILITY LINES WHICH MIGHT BE DAMAGED DURING THE INSTALLATION OF THIS WORK, HAND TRENCH BACKEILL AND COMBACT IN ABEAS OF EXISTING	CEILINGS, WALLS OR FLOORS OR THROUGH ANY WATERPROOF MEMBRANE UNLESS SPECIFICALLY INDICATED ON PLANS. INSTALL WATERTIGHT CONDUCT ENTRANCE SEALS ON ALL CONDUIT RUNS PENETRATING EQUIPMENT ROOM WALLS, FLOORS OR CEILINGS.	LIGHTS, STEP LIGHTS, WELL LIGHTS, TREE UP-LIGHTS, IRRIGATION CONTROLLE PULLBOXES, ETC. CONDUIT SHALL NOT BE RUN THROUGH FOUNTAIN POOL SLABS, EQUIPMENT RO	IONS. TORAWINGS FOR EXACT LOCATION OF E	CAST CONCRETE UTILITY TRANSFORMERA	S4. PRIMARY SERVICE ENTRANCE CONDUIT(S) SHALL BE FURNISHED AND INSTALLED UNDER THIS CONTRACT. SIZE, NUMBER AND TERMINATION POINT OF CONDUITS SHALL BE VERIFIED WITH PGE. CABLE FURNISHED, INSTALLED AND TERMINATED	S3. COORDINATE ALL INCOMING TELEPHONE SERVICE WORK WITH AT&T PRIOR TO INSTALLATION.	S2. COORDINATE ALL INCOMING ELECTRICAL SERVICE WORK WITH PG&E PRIOR TO INSTALLATION.	ANGEMENT OF S ID CHECK DRAW LOCATIONS SHA	SITE NOTES	SC20. PROVIDE STI - 4X4 EZ PATH SLEEVES OR EQUIVALENT PRODUCT WHEN PASSING CABLE THROUGH RATED WALLS. PROVIDE QUANTITY REQUIRED TO SUPPORT INSTALLED CABLE AT 40% FILL AND 50% FOR GROWTH. AREA OF SLEEVES SHALL	SC20. PROVIDE STI - 4X4 EZ PATH SLEEVES OR EQUIVALENT PRODUCT WHEN PASSING CABLE THROUGH RATED WALLS. PROVIDE QUANTITY REQUIRED TO SUPPORT INSTALLED CABLE AT 40% FILL AND 50% FOR GROWTH. AREA OF SLEEVES SHALL MATCH THE CABLE TRAY AREA.	SC18. COORDINATE DATA CABLE OUTLET LOCATIONS WITH AV DRAWINGS. SC19. PROVIDE TWO EACH VOICE/DATA CABLES TO EACH SECURITY PANEL AND FIRE ALARM CONTROL PANEL.	SC17. ALL VOICE/DATA CABLE AND TERMINATION HARDWARE IN THE COUNTY BUILDING (AREAS C & D) SHALL BE CATEGORY 6E.	INATION HARDWARE IN THE COURTS BUILDIN Y 6A.	BELING SHALL MATCH THE VOICE PATCH PANEL. BOTH ENDS OF VOICE/DATA CABLE WITHIN 4" OF BOTH ENDS OF THE CABI MACHINE LABELS.	SC13. LABEL BOTH ENDS OF COPPER RISER CABLE WHERE IT ENTERS THE ROOM AND THE 110 TERMINATION BLOCKS. SC14. LABEL BOTH ENDS OF TELEPHONE TIE CABLE AT THE PATCH PANEL AND 110 BLOCK.	LABEL BOTH ENDS OF THE FIBER CABLE WITH FIBER TAGS WHERE IT ROOMS AND LABEL THE TERMINATION PANELS.	SC10. TERMINATE ALL FIBER WITH LC CONNECTORS. SC11. PROVIDE 20 FT OF SLACK ON EACH END OF THE FIBER CABLE AND COIL ON	SPACE TO ALLOW FOR NETWORK EQUIPMENT TO BE INSTALLED. TERMINATE ALL FIBER IN THE FIRST RACK OF THE BDF AND IDF ROOMS. I TERMINATION PANELS AT THE TOP OF RACK.	, JACKS AND 4 NSTALLED. N 50% OF THE	EVERY 48". . WHEN CABLE LEAVES CABLE TRAY AND CABLE LADDER USE CABLE DROP (HARDWARE TO PROTECT CABLE.	SC4. ROUTE ALL CABLE IN CONDUIT, CABLE TRAY AND/OR J-HOOKS. SC5. WHEN USEING J-HOOKS TO SUPPORT CABLE, PROVIDE J-HOOKS THAT ARE DESIGNED FOR CATEGORY 6 & 6A CABLE AND SUPPORT CABLE A MAXIMUM OF	SC3. ALL DATA CONDUIT INSTALLED FROM THE WORK STATION OUTEET/FORNITORE FEED/FLOOR BOX SHALL BE A MINIMUM 1.25" TO ACCESSIBLE CEILING UON. CONDUIT FILL SHALL NOT EXCEED 40%. CONDUIT ENDS SHALL BE FITTED WITH BUSHINGS TO PROTECT CABLE.	7. ANSI/TIA/EIA 758: OSP TELECOMMUNICATIONS STANDARD SC2. ALL STRUCTURED CABLING INSTALLED IN CEILINGS WILL BE PLENUM RATED.	INFRASTRUCTURE. ANSI/J-STD-607-A: COMMERCIAL BUILDING GROUNDING AND BONDING F TELECOMMUNICATIONS	3. ANSI/TIA/EIA-300-5; COMMERCIAL BUILDING TELECOMMUNICATIONS CABLING STANDARDS PART 1, PART 2, PART 2 ADDENDUM 1. 4. ANSI/TIA/EIA 569-A-1, PERIMETER PATHWAY, A-2 FURNITURE PATHWAY, A-7 CABLE TRAY AND WIREWAYS 5. ANSI/TIA/EIA 505-A· ADMINISTRATION STANDARD FOR TELECOMMUNICATIONS 5. ANSI/TIA/EIA 505-A· ADMINISTRATION STANDARD FOR TELECOMMUNICATIONS	ING APPLICABLE	
(2) BUSWAY BKRS	(1)BUSWAY BKRS (4) BUSWAY BKRS (1) BUSWAY BKRS BW-EAST	BUSWAY & BREA	S-ATS C-ATS	ATS SCHEDULE	TX1SW TX1SE	TXRE ETX-1 SBTX1	TX3E TX4E	TXRW TX1E TX2E	TX4W TX5W	TX1W TX2W	DESIGNATION COURTS PGE XFMR TI	TRANSFORMER	L1SW L2SW	COUNTY	SBLR SBLR	SBL2 SBL3	L1CR-2 L1CR-3 SBL1		L3E L4E	LRW L1E	L4W	L1W	DESIGNATION BI	BOA	COUNTY H1SW	SBH2	EH1 EH2	H3E H4E	COURTS	PANELBOARD SU	ULD1E COUNTY HD2SE	HDRW SBDL1	HDRE CHDRE	CHD1E	DISTRIBUTION P. DESIGNATION BI	MSA-COURTS MAIN SWIT	DISTRIBUTION G	MSUA-COURTS - METER I	DESIGNATION GENERATOR	ELECTRICAL GI

(1) BUSWAY BKRS BW-EAST (3) BUSWAY BKRS	(1)BUSWAY BKRS	BUSWAY & BR DESIGNATION	S-ATS C-ATS	ATS SCHEDULE	TX1SW TX1SE TX2SE	SBTX1 COUNTY	TXSE TXRE	TX3E TX4E	TX1E TX2E	TX5W	TX2W TX3W TX4W	UTXIE TX1W	COURTS PGE XFMR	TRANSFORMER	L2SER	LISW	LISE	SELA	SBL5	SBL3	SBL1	L1CR-2	LICR-1	L4E	LZE	LSW LRW	L3W L4W	L1W	COURTS	PANELBOARD	H1SW H2SW	COUNTY	SBH2	EH1 EH2	H4E H5E	H2E H3E	H1E	z	BOARD	ULD1E COUNTY	HDRW	CHDRE	CHD1E SHD1	COURTS	DISTRIBUTION	MSA-COURTS MAIN SY MSB-COUNTY MAIN S	DISTRIBUTION	MSUA-COURTS - METE	GENERALOR	DESIGNATION GENERATOR
1200 600 100	1400 125 70	EAKER S	1000	ge I work	150 150 30	150	30	45 45	75 45	45	45 45		TBD-PGE	R SCHE	100	400	400	150/225	225	225	400	400	100	225	225	100	225 225	225 225	(AMPS)	SUMM	100	225	225	100	100	225 100	225	BUSSING (AMPS)	SUMM/	1000	1200	400	1000 1200	(AMPS)	PANELI BUSSING	WITCHBD SWITCHBD	GEAR IN	R MAIN		
		SCHEDU			2 2 2	K13	2 2 2	₹	<u>Κ</u> 4 Ξ	\[\frac{2}{4} \]	\$\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	K13		E	100	250	250	150	125	125	MLO	M M O	100 MLO	150	225	150	150	225 150	(AMPS)	ARY - 12	100	125	125	100 75	MLO	MLO	MLO	MPS	800 ARY - 2:	1000	1200	400	800 1000	(AMPS)	BOARD	4000 1600	N MAIN	1600		AMPS VO
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5A527 E.ELEC RMS E.ELEC RMS	W.ELECRMS W.ELECRMS		1B162 1B162	18163	1C145 1D109 2D227	1B162	5B533 6B 505	3B336 4B433	1B166 2B259	5A527 6A605	2A232 3A327 4A427	1 1	UTILITY YARD		2D227	1C145	1D109	1B162	5B533	3B336	1B166	1B175 1B175	6B605 1B175	4B433	1B166 2B259	5A527 6A605	3A327 4A427	1A150 2A232	LOCATION		1C145 2C241	58533	28259	18162 28259	4B433 5B533	2B259 3B336	1B166	LOCATION	2D227	18175	6A605	6B605	1B162 1B162	LOCATION		1B166 1C132		YARD YARD	I NE	

FEEDER SCH 1. CONDUCT THHN/TH 2. FEEDERS SIZE GRC FEEDER SCH FEEDER SCH	303	304K	404K	504	603 504K	604K	704	804	904	1004K	1254	1504K	1754 1753	2003 1754K	2004K	2254	2503 2503	2504K	3003 2754	3004K	3504	4004	4004K	4504	5003	5004K	6004	7003 6004K	7004	8004K	9004K	10004	12004 1	14003 1 12004K 1	16003 1 14004 1	TAG
15 AMP,3 I 15 AMP,3 I EDULE GENE ORS AND CO WN-2 INSULA CONSISTING CONSISTING OUND CONDU- DULE REMAI	30 AMP,3 F	30 AMP,3 F	40 AMP,3 I	50 AMP,3 F	60 AMP,3 F	60 AMP,3 F	70 AMP,3 F	90 AMP,3 F	100 AMP,3 F	100 AMP,3 F	125 AMP,3 F	150 AMP,3 F	175 AMP,3 F	200 AMP,3 F	200 AMP,3 F	225 AMP,3 F 225 AMP,3 F	250 AMP,3 F 250 AMP,3 F	250 AMP,3 F	300 AMP,3 F	350 AMP,3 F	350 AMP,3 F	400 AMP,3 F	400 AMP,3 I	450 AMP,3 F	500 AMP,3 F	500 AMP,3 F	600 AMP,3 F	700 AMP,3 F	800 AMP,3 F	800 AMP,3 F	900 AMP,3 F	1000 AMP,3 F	1200 AMP,3 F	400 AMP,3 F 200 AMP,3 F	600 AMP,3 F	DESCR
PHASE, 4 WIRI PHASE, 3 WIRI PHASE, 3 WIRI RAL NOTES: NDUITS SHOV ATION AT 90° ATION AT 90° CTOR IN EACH RK: RK:	PHASE, 3 WIRI	OHASE,4 WIRI	PHASE,4 WIRI	PHASE,4 WIRI	HASE, 3 WIRI	OHASE,4 WIRI	OHASE, 3 WIRI	PHASE, 3 WIRI	HASE,3 WIRI	PHASE,4 WIRE PHASE,4 WIRE	OHASE, 4 WIRI	PHASE,4 WIRE	PHASE,4 WIRI	HASE,3 WIRI	OHASE,4 WIRI	HASE,4 WIRI	OHASE, 4 WIRI	OHASE,4 WIRI	PHASE,3 WIRI	PHASE,4 WIRI	OHASE,4 WIRI	OHASE, 3 WIRI	PHASE,4 WIRI	OHASE,4 WIRI	OHASE,3 WIRI	HASE,4 WIRI	PHASE,4 WIRI	HASE,4 WIRE	PHASE,3 WIRI	HASE,4 WIRI	PHASE,4 WIRE	HASE,4 WIRI	PHASE,4 WIRI	PHASE, 4 WIRI	HASE, 4 WIRI	PHASE,4 WIRI
E 1-0.50" E 1-0.50" E 1-0.50" C, AND AMBIENT C, AND AMBIENT SETS OF CONDUIT. NEUT	E 1-0.75" 1-0.50"	E 1-0.75"	E 1-1.00"	E 1-1.25" E 1-0.75"	E 1-1.00"	E 1-1.50"	1-1.25"	1-1.25"	E 1-1.25"	1-2.00"	E 1-1.50"	1-2.50"	E 1-2.00"	1-2.00"	E 1-2.50"	1-2.50"	1-2.00"	1-3.00"	1-2.50"	E 1-3.00"	1-3.00"	1-3.00"	2-2.50"	2-2.50"	E 2-2.00"	E 2-3.00"	2-3.00" 2-2.50"	E 2-3.00" 2-3.00"	E 3-2.50"	3-3.00" = 3-3.00"	<u>3-3.00</u>	3-3.50" 3-3.50"	£ 4-3.00" £ 4-2.50"	£ 4-3.50"	5-3.00"	5-3.50"
4 #12 3 #12 3 #12 IEDULE ARE BAS VIT TEMPERATURE DUCTORS AND COUTRALS NOTED SERVICE TO THE PROPERTY OF THE PRO	3 #10 4 #12 3 #19	3 #10 AWG 1 #6 AWG 4 #10	3 #8 AWG 1 #3 AWG	4 #6 3 #8	3 #6 3 #6 AWG,	3 #4 AWG 1 #1 AWG	3 #4 3 #4	3 #2	3 #2 4 #2	3 #2 AWG 1 #4/0 AWG 4 #2		3 #2/0 AWG, 1 #400 KCMIL 4 #1/0		3 #3/0 3 #3/0, 1	3 #4/0 KCMIL 2 #4/0 KCMIL 4 #3/0	I I	4 #250 KCMIL 3 #250 KCMIL 3 #250 KCMIL	3 #300 KCMIL 2 #300 NEU.	3 #350 KCM 4 #300 KCM	3 #400 KC 2 #400 KC 4 #350 KC	1 #500 KC	2 SEIS OF 2 SETS OF	2 SETS OF 2 #4/0 KC	2 #250 NE 2 SETS OF 2 SETS OF	2 SETS OF	2 SETS OF 2 #300 NEI 2 SETS OF	2 SETS OF 2 SETS OF	2 SETS OF 2 #400 KC	3 SETS OF 2 SETS OF	3 SETS OF	3 SETS OF 2 #400 KC	2 #500 KC	4 SETS OF	4 SETS OF 4 SETS OF 2 #400 KC	5 SETS OF	PHASE, 5 SETS OF
SED ON COPPE F OF 30°C (8 CONDUITS ARE SHALL BE PER		NEU.	NEU.		1 #2 AWG NI	NEU.				G NEU.		MIL NEU.		#500 KCMIL	MIL NEU.				ME ME	MIL NEU.	MIL "NÉU.	4 #3/0 KCM MIL 3 #3/0	3 #4/0 KCM MIL NEU.		3 #250 KCMIL	3 #300 KCM U. 4 #250 KCM	4 #350 KCMIL 3 #350 KCMIL	3 #400 KCMIL 3 #400 KCMIL MIL NEU.	3 #300 KCMI 4 #500 KCMI	#300 KCM	3 #400 KCMIL 3 #400 KCMIL MIL NEU.	MIL NEU. 4 #500 KCM	4 #400 KCMI 3 #350 KCMI	3 #500 KCM 3 #400 KCM MIL NEU.	3 #400 KCMI 4 #350 KCMI	/NEUTRAL 4 #500 KCM
1 #12 1 #12 1 #12 ER CONDUCTORS 36° F). TO BE PROVIDE SET.	1 #10 1 #12 1 #12	1 #10	1 #10	1 #10 1 #10	1 #10 EU. 1 #10	1 #10	1 ## ## 8	1 #8	1 #8	1 #8	1 # 6	1 # 6	1 #6	1 #6 NEU. 1 #6	1 #6	1 # # 4	1 #4	1 - # # #	1 # 4	1 #4	1 #2	1 #2	1 #2		•			• .				1 #2/	L 1 #3/0 L 1 #3/0	L, 1 #4/	L 1 #4/0 L 1 #4/0	GROUND 1 #4/0 PER
RS WITH DUAL																				1 #4	רנג טני		PER SET	PER SET	PER SET	PER SET	PER SET	PER SET	O PER SET	O PER SET	O PER SET	O PER SET	O PER SET	PER PER	O PER SET	GROUND O PER SET
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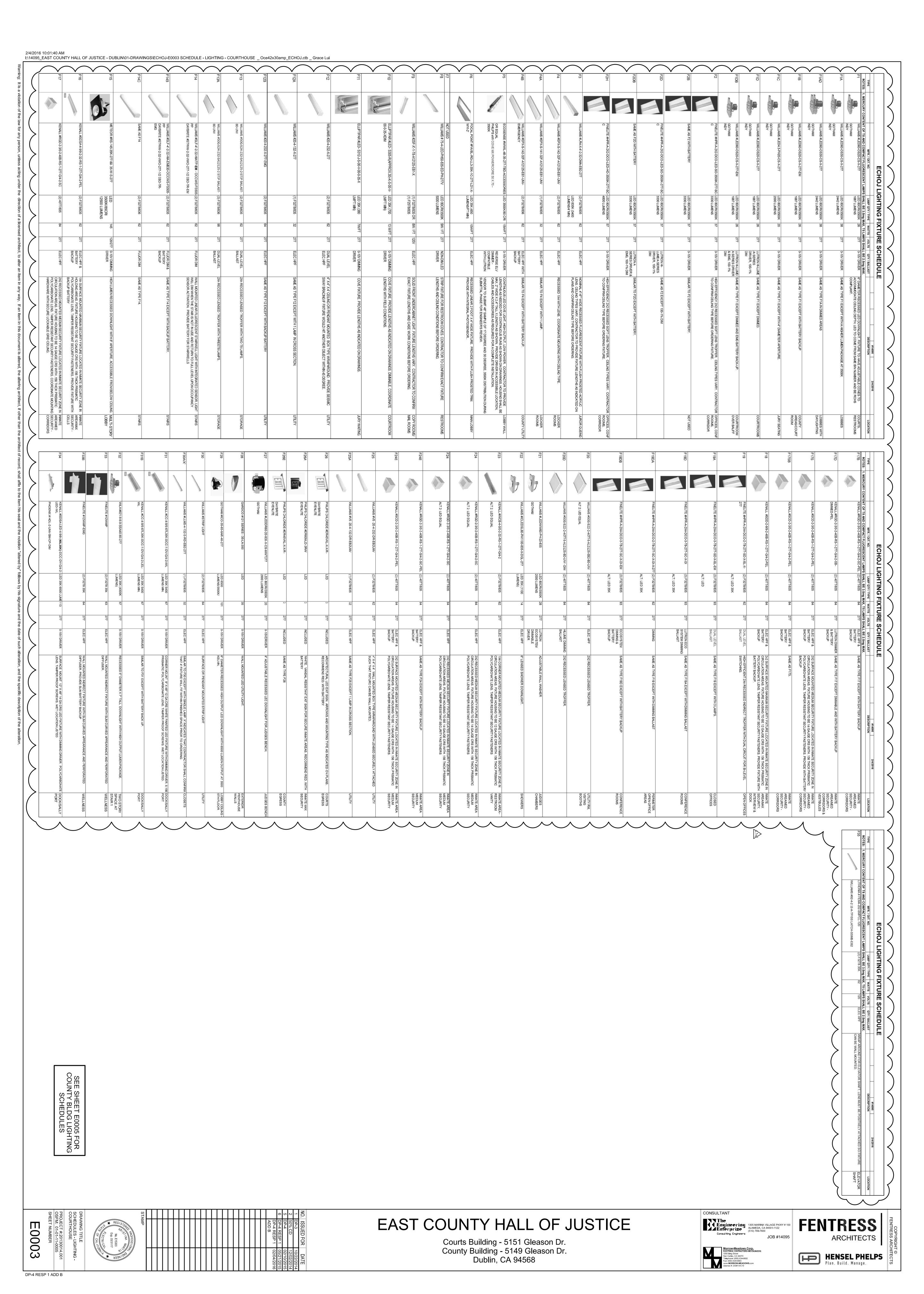




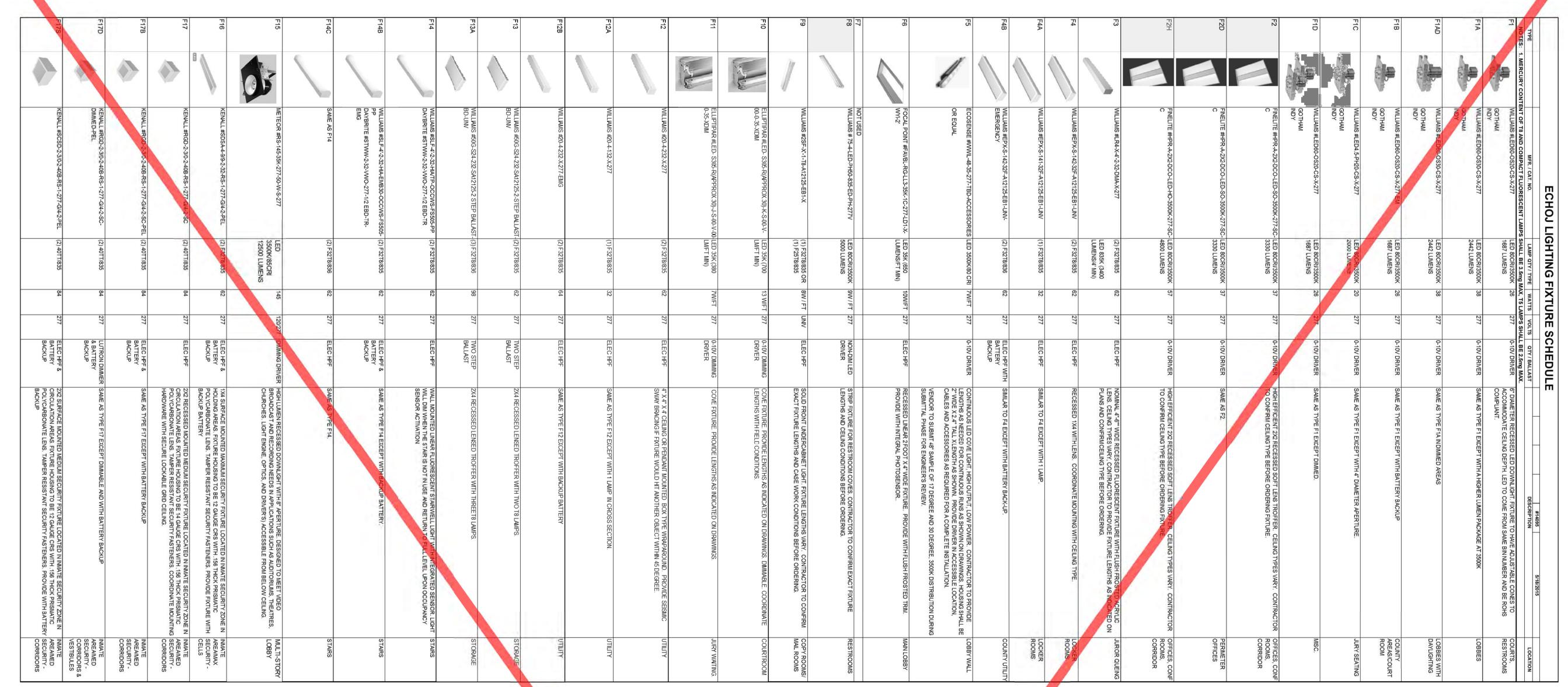


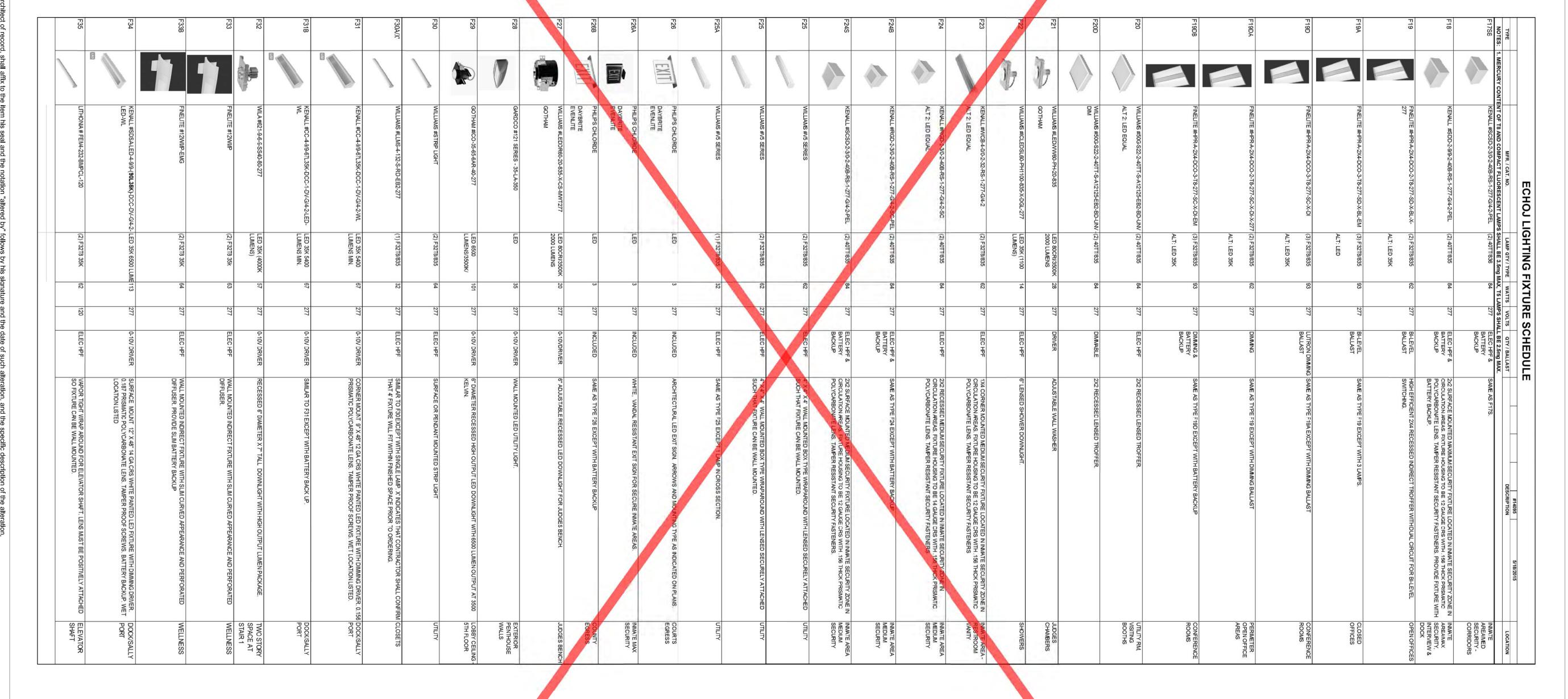






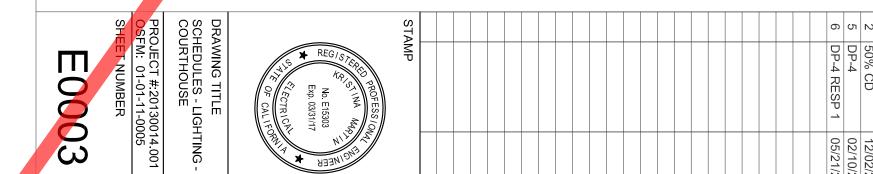
5/18/2015 7:49:12 AM
I:\14095_EAST COUNTY HALL OF JUSTICE - DUBLIN\01-DRAWINGS\ECHOJ-E0003 SCHEDULE - LIGHTING - COURTHOUSE _ Oce42x30amp_ECHOJ.ctb _ Kristina Martin





SEE SHEET E0005 FOR COUNTY BLDG LIGHTING SCHEDULES

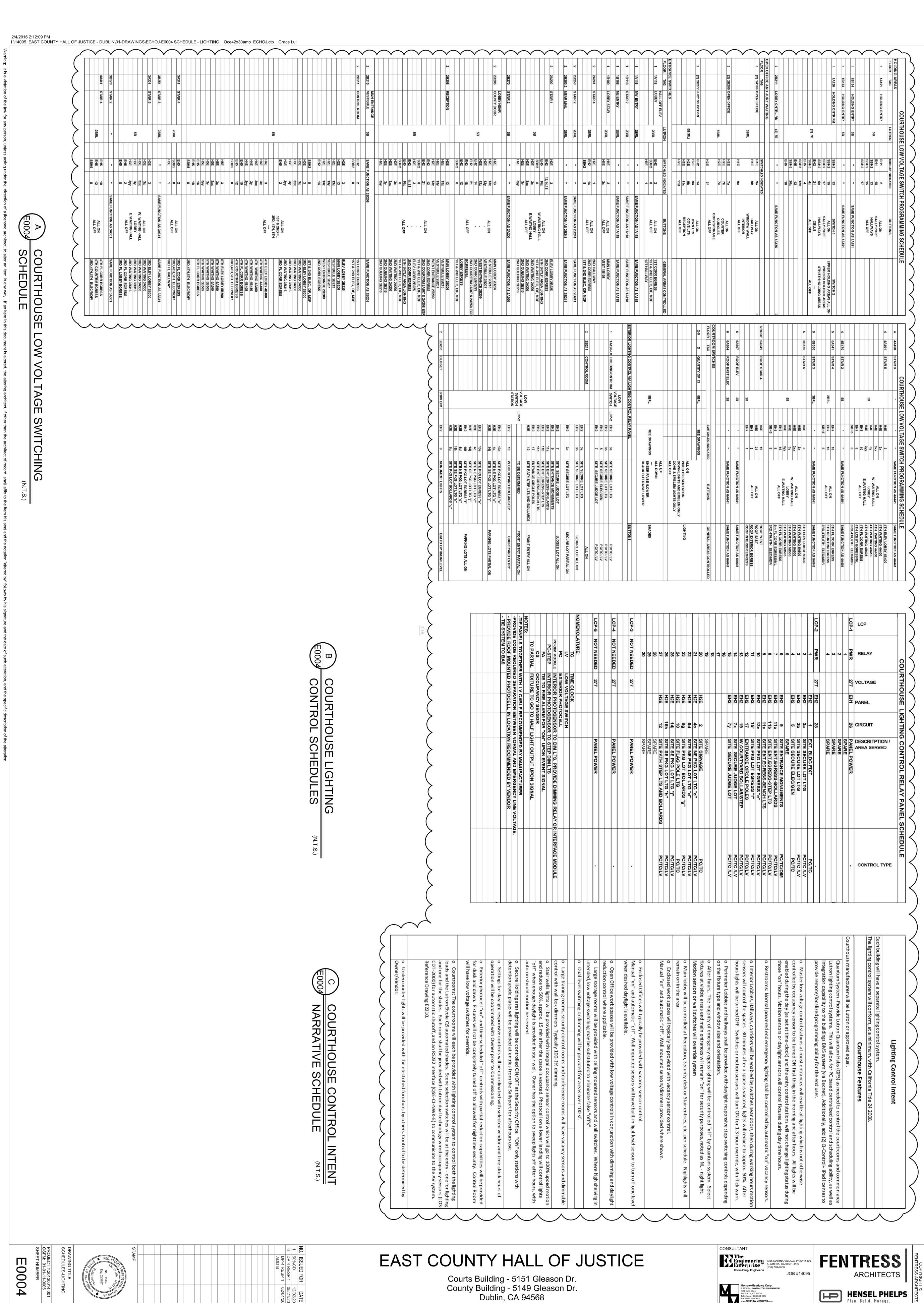
DP-4 RESP 1











DP-4 RESP 1 ADD B

				1			
4TH COURTRM EGRESS 3RD,4TH,5TH ELEC/MDF/	8 12	SBH5	1	LCP5			
ં∟≥		H4E EH5	1	LCP4			
4TH WAITING 4A400 4TH WAITING 4B416	150	H4E		LCP4			
4TH WAITING 4A400		H4E		LCP4			
ATH ELEV LOBBY ABADO		HAF		CBA			
		EH5		LCP5			
		H3E		LCP3			
3RD WAITING 3B316		H3E		LCP3			
3RD WAITING 3A300		H3E		LCP3			
3RD ELEV LOBBY 3B300		H3E		LCP3			
2ND COURTRM 2A207 & 2A258 EGRESS		SRH2		CP2			
2ND CORR EGRESS		EH2		LCP2			
WEST ENTRANCE 2B209		H2E		LCP2			
VESTIBULE 2B213	53	H2E		LCP2			
MAIN I OBBY 2B225		H2E		LCP2			
, i		i		5			
1ST & 2ND ELEC. IDE MDE	æ N	EH2		LCP2	CONTROL ROOM	2B211	
SAME FONCTION AS 20200					1000	70713	
	:				MAIN ENTRANCE	200	
							-
2ND QUEING 2B216	4	H2E		LCP2			
2ND WAITING 2A200	500	H2E		LCP2			
2ND WAITING 2A200		H2E		LCP2			
5TH SKLIT AREA LIGHTING		EH5		LCP5			
ELEV LOBBY 2B225 2ND CORR EGRESS		H2E	y .	LCP2			
1ST & 2ND ELEC, IDF, MDF		SBH2		LCP2			
2ND COURTEM 2020 8 20258 EGRESS	14	EH2		LCP2			
WEST ENTRANCE 2B209		H2E		LCP2			
VESTIBULE 2B213	150	H2E		LCP2			
MAIN LOBBY 2B206		H2E		LCP2	RECEPTION	2B208	
ND ELEC, IDF, MDF		SBH2		LCP2			
2ND CORK EGRESS 2ND COURTRM 2A207 & 2A258 EGRESS	21	EH2		LCP2			
WEST ENTRANCE 2B209	2.435	H2E		LCP2			
VESTIBULE 2B207	1960 1764	H2E		LCP2			
MAIN LOBBY 2B206		H2E		LCP2	COUNTY DOOR	2B206	
					LOBBY NEAR		
SAME FUNCTION AS 2A200	=	:			STAIR 2	2B270	
		H2E		LCP2			
		H2E		LCP2			
		H2E		LCP2			
1ST & 2ND ELEC, IDF, MDF	ω 3	SBH2		LCP2			
ORR EGRESS		EH2		CP2			
		H2E		LCP2	STAIR 1	2A200	
SAME FUNCTION AS 2B241	:				STAIR 2	2B250	
2ND COUR IRM 2A207 & 2A258 EGRESS 1ST & 2ND ELEC, IDF, MDF		SBH2		LCP2			
)	14	EH2		ГСР2	STAIR 4	2A241	
VEST 1B108		H1E		LCP1			
MAIN LOBBY	ယ ထ	SBH2 H1E		LCP2			
0,		EH2		LCP2	LOBBY STAIR	1B109	
SAME FUNCTION AS 1A118	:			:	NE ENTRY	1B168	
ONCHOR							
TE FUNCTION AS	24	•			STAIR 2		
SAME FUNCTION AS 1A118	=			:	NW ENTRY	1A119	
1ST & 2ND ELEC, IDF, MDF	8	SBH2		LCP2			
C	2	EH2		LCP2	LOBBY	1A118	3
AREA CONTROLLED	CIRCUIT	PANEL		LCP		TAG	FLOOR
					HES.	CE SWITC	FNTRAN
51	11d	H2E					
4	11c	H2E					
ω N	9a	H2E	3				
_	14	EH2		LCP2	JURY SELECTION	(2) 28277	2
4	7f	H2E					
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, 4	7a	H2E		LCP2		(2) 2B255	2
c	УC	HIE					
2	9b	H		-		(A)	-
BUTTON	CIRCUIT	PANEL	RELAY	LCP			FLOOR
					ROOM AREAS	OR LARGE	OFFICE
SAME FUNCTION AS 1A126		1				2B211	2
	18	EH5		LCP5			
	12 20x	SBH5		LCP5			
	12x	SBH5		LCP5			
	4x	SBH5		LCP5			
	21 21	SBH2 EH2		LCP2			
	17	SBH2		LCP2			
	15	SBH2 SBH2		LCP2		1A126	_
COMPLETION	2	5		5			٠,
SAME FUNCTION AS 1A151		•				1B133	_
	77.00			-			

SAME FUNCTION AS 6A641		=	=	ROOF EAST ELEC	60604	6
SAME FUNCTION AS 6A641		=	=	ROOF ELEV	6A607	၈
ROOF INTERIOR EGRESS	د	EH5	LCP4			
m	ω!	EH5	LCP4			
ROOF WEST	21 19	HSE HSE	LCP4	ROOF STAIR 4	6A641	6/ROOF
3RD,4TH,5TH ELEC/MDF/	8	SBH5	LCP5			
5TH COURTRM EGRESS	18	EH5	LCP5			
STH EL CORR EGRESS	Зуу	15E	LCP5			
5TH WAITING 5B505	34	H5E	LCP5			
5TH WAITING 5A500	Зхх	H5E	LCP5			
5TH WAITING 5A500	3x	H5E	LCP5			
5TH ELEV LOBBY 5B500	ω	H5E	LCP5	STAIR 5	5B570	51
SAME FONCTION AS SAST				O PIX O	00000	٥
<u> </u>		:		STAID 3		n
3RD,4TH,5TH ELEC/MDF/	8	SBH5	LCP5			
5TH COURTRM EGRESS	18	EH5	LCP5			3
5TH FL CORR EGRESS	16	EH5	LCP5	STAIR 4	5A541	טח
SAME FUNCTION AS 4A401				STAIR 2	4B470	4
3RD,4TH,5TH ELEC/MDF/	∞ ⊼	SBH5	LCP5			
4TH FL CORR EGRESS	3 3	EH5	LCP5			
4TH WAITING 4B405	Зуу	H4E	LCP4			1
4TH WAITING 4B416	3 _y	H4E	LCP4			
4TH WAITING 4A400	3xx	H4E	LCP4			
4TH ELEV LOBBY 4B400	သူ ယ	H4E	LCP4	STAIR 5	4A401	4
	US					
SAME FUNCTION AS 4A441		:	:	STAIR 3	4A450	4
3RD,4TH,5TH ELEC/MDF/	8	SBH5	LCP5			
4TH COURTRM EGRESS	12	EH5	LCP5			
4TH FL CORR EGRESS	10	EH5	LCP5	STAIR 4	4A441	
SAME FUNCTION AS 3A301			=	STAIR 2	3B370	
3RD COURTRM EGRESS	4	EHS	LCP5			
3RD FL CORR EGRESS	. 2	EH5	LCP5			
3RD WAITING 3B316	Зуу	H3E	LCP3			
3RD WAITING 3B316	зу	H3E	LCP3			
3RD WAITING 3A300	Зхх	H3E	LCP3			
3RD WAITING 3A300	3χ	H3E	LCP3			
3RD ELEV LORRY 3R300	ىد	13 T	CB3	STAIR 5	34301	
SAME FUNCTION AS 3A341		:	:	STAIR 3	3B351	
3RD,4TH,5TH ELEC/MDF/	ω ₁	SBH5	LCP5			
3RD FL CORR EGRESS	2 12	EH5	LCP5	STAIR 4	3A341	
3RD,4TH,5TH ELEC/MDF/	8	SBH5	LCP5			
5TH COURTRM EGRESS	18	EH5	LCP5			
5TH FL CORR EGRESS	16	EH5	LCP5			
5TH WAITING 5B505	ر ا	155	I CP5			
5TH WAITING 5B505	3xx	HE HE	LCP5			

NOTES: -TIE PANE -PROVIDE		NOMENCL																LCP-5			LCP-4			LCP-3																					LCP-2				E LC	CP	
LS TOGETHE CODE REQU	PC-STEP FA OS	TC LV PC	40-48	38 37	35 34 3	33 22 33	2 29 28	26	23 24 25	21 22 22	19 18	16 17	6 4	12 10	9 8 -	7 6 5 .	2 2 4	١	5 6 7-12	ω 4		6 7-12	ا ن	2 4	53 54-72	51	49 48	45 46 47	t	42 41	37 38 39	36 35 4	32 33	29 30	27 28	24	3 22 23	19 20	17	15 14	13 12 11	9	8 7 6	ω 4 π	2 1 PWR	8-12	7 6 5	4 3 2	PW RE	ELAY	5
R WITH L	INTERIOR TIE TO FII OCCUPA	TIME CLC LOW VOL EXTERIOR																277			277			277																					277				7	LTAGE	ORIHO
TO GO TO CABLE ARATION	PHOTO: RE ALAR NCY SEN	TAGE SI	S S S S S S S S S S S S S S S S S S S	SBH5	SBH5	SBH5	SBH5	SBH5	SBH5 SBH5	EH5	EHS	EHS EHS	E E E	E E E	E 5 6		H5E H5E	H5E	H4E	###	EH5	H3E		H3E	HZE	H2E	H2E	H2E H2E	H2E H2E	H2E H2E	H2E H2E	H2E	H2E H2E	H2E H2E	H2E H2E	SBH2	SBH2 SBH2	SBH2 SBH2	E E E		E E E E	EH2 EH2		EH2		5			H E PAN	NEL	1000
RECOMMI BETWEEL	SENSOR T	WITCH CELL	6	26 24	18 20x	16 14 X	10 8 6	4 2	1 5 3	16x 18	16	10 8y	8 8	ω α 4	<u> </u>	34 3yy	3x 3x	26	3 1	3xx	3	1	3xx	3x 30	13z	13x	11c	9a 9b	7b	3yy 3z	3xx 3y	ω	16 14	10	2 4	4 8	15	6x	18y 21	18	10 4	17	3 3	9 7 5	3 4 28		1 9c 9b	92 X 3	N 왕 CIR	CUIT	LIGHTI
SHT OUTPUT UPON SIGNAL NORMAL AND EMERGENCY LINE VOLTA NORMAL AND EMERGENCY LINE VOLTA NORMAL AND EMERGENCY LINE VOLTA	O STEP DIM LTS UPON EVENT SIGNAL	D DIM I TO BEDOVIDE DIMMING BELLAY OF	SPARES	5TH COURTRM 5A507 5TH COURTRM 5A558 5TH COURTRM 5A512	4TH FL COURTRM 4A462 5TH FL HOLDING AREAS	4TH FL COURTRM 4A458 4TH FL COURTRM 4A411	3RD FL COURTRM 3A358 3RD,4TH,5TH ELEC/MDF/ 4TH FL COURTRM 4A407	3RD COURTRM 3A307 3RD FL HOLDING AREAS	ROOF WEST ELECTRICAL RMS ROOF EAST ELECTRICAL RMS 3RD COURTRM 3B31	COL	4TH COURTRM EGRESS 5TH FL CORR EGRESS	FL CORR EGRESS NIGHT LIGHT	3RD/4TH/5TH EGRESS NIGHT LIGHTS 3RD/4TH/5TH EGRESS NIGHT LIGHTS	ROOF EGRESS NEXTERIOR 3RD FL CORR EGRESS 3RD COURTRM EGRESS	STH LTG HALLWAYS ROOF EGRESS INTERIOR	STH WAITING 5B505 ROOF WEST	5TH WAITING 5A500 5TH WAITING 5A500 5TH WAITING 5B505	PANEL POWER 5TH ELEV LOBBY 5B500	4TH WAITING 4B405 4TH LTG HALLWAYS SPARES	4TH WAITING 4A400 4TH WAITING 4A400 4TH WAITING 4B404	PANEL POWER 4TH ELEV LOBBY 4B400	3RD LTG HALLWAYS	3RD WAITING 3A300 3RD WAITING 3B304	PANEL POWER 3RD ELEV LOBBY 3B300 3RD WAITING 3A300	SPARES	VESTIBULE 2B207	JURY SEATING 2B277 JURY SEATING 2B277	JURY SEATING 2B277 JURY SEATING 2B277	OPEN OFFICE 2B255	QUEING 2B216 LOBYYY 2B209 OPEN OFFICE 2B255	HALL 2A200 HALL 2A200 QUEING 2B216	2ND LTG HALLWAYS ELEV LOBBY 2B225	SITE SE PKG LOT LTG "j" SITE SE PKG LOT LTG "h" SITE PATH STEP I TS AND ROLL ARDS	SITE NE PKG LOT LTG "d" SITE PKG LOT BOLLARDS "e" SITE FLAG POLE LTG	SITE SIGNAGE SITE NE PKG LOT LTG "c"	2ND COURTRM 2A258 1ST & 2ND ELEC, IDF, MDF	SALLY PORT DOCK	2ND SECURE CORE SECURE HALLWAYS	2ND HALL ZAZOO 2ND QUEING 2B216 2ND COURTRM 2A207 & 2A258 EGRESS	2ND CORR EGRESS 1ST & 2ND NIGHT LIGHTS	STAIRS 3,4,5 STAIR 2 1ST& 2ND OBBY EGBESS NIGHT TS	ENTRANCE CIRCLE POLES 1ST CORR EGRESS	SITE ENTRANCE EGRESS SITE PKG LOT EGRESS "e"	SITE SECURE ELEC/GEN SITE SECURE JUDGE LOT	EXT. BLDG FIXT SITE SECURE LOT LTG	"	OPEN OFFICE 1A106 OPEN OFFICE 1A106 1ST LTG HALLWAYS	유BB	PANEL POWER EXT. PARKING LOT LTG	SCRITPTION / EA SERVED	G CONTROL RELAT FANEL S
AGE.	X IN I EXTAGE MODGLE	NTEBEACE MODILIE	LOCAL OS	LOCAL OS LOCAL OS	LOCAL OS	LOCAL OS	TC/LV	LOCAL OS TC/LV	TC/LV TC/LV LOCAL OS	TC/LV/FA	TC/LV/FA TC/LV/FA	TC/LV/FA	NIGHT LIGHT - NOT CONTROLLED NIGHT LIGHT - NOT CONTROLLED	TC/LVFA TC/LVFA	NOT CONTROLLED AT THIS TIME (M) TC/LVFA	TC/LV/PC-DIM STEP 2 TC/LV	TC/LV/PC-DIM STEP 1 TC/LV/PC-DIM STEP 2 TC/LV/PC-DIM STEP 1	TC/LV	TC/LV/PC-DIM STEP 2 NOT CONTROLLED AT THIS TIME (M)	TC/LV/PC-DIM STEP 1 TC/LV/PC-DIM STEP 2 TC/LV/PC-DIM STEP 1	TC/LV	NOT CONTROLLED AT THIS TIME (M)	TC/LV/PC-DIM STEP 2 TC/LV/PC-DIM STEP 1 TC/LV/PC DIM STEP 3	TC/LV/PC-DIM STEP 1	TC/LV/PC-STEP	TC/LV/PC-STEP	TC/LV/PC-STEP TC/LV/PC-STEP	TC/LV TC/LV	TC/LV	TC/LV/PC-DIM STEP 2 PC-DIM/TC TC/LV	TC/LV/PC-DIM STEP 1 TC/LV/PC-DIM STEP 2 TC/LV/PC-DIM STEP 1	NOT CONTROLLED AT THIS TIME (M) TC/LV	PC/TC PARTIAL PC/TC	PC/TC PARTIAL PC/TC	PC/TC PC/TC PARTIAL	TC/LV	TC/LV TC/LV	TC/LV	PC-DIM TC/LV	TC/LV	TC (LOCAL PC/OS) /FA TC (LOCAL PC/OS)/FA	PC/TC PARTIAL TC/LV/FA	PC/TC PARTIAL PC/TC PARTIAL	PC/TC PARTIAL PC/TC PC/TC	PC/TC PC/TC PARTIAL		TC/LV TC/LV NOT CONTROLLED AT THIS TIME (M)	TC/LV/PC-DIM MODULE	PC/TC	ONTROL TYPE	SCHEDULE

NARRATIVE SCHEDULE

COURTHOUSE CONTROL

General Notes

Design setpoint for daylight dimming shall be 1.5 times the nightime designed light level.

Design setpoint for daylight switching shall be 2.0 to 2.5 times the nightlime designed light level.

Photosensors shall be filtered or calibrated to respond only to light in the visual range (no UV or IR) and for the human sensitivity spectural curve. Continuous dimming controls shall utilize a sliding set point al





o Exterior photocell "on" and time scheduled "off" controls with partial reduction capabilities will be provided for dusk and dawn. Fixtures will not be completely turned off as allowed for nighttime security.

o Courtrooms: The courtrooms will each utilize a (4) zone Lutron Grafik Eye QS (QSGRJ-4P) lighting control system to control both the lighting loads and the Lutron Sivoia QS automated shades. Each Grafik Eye QS main unit will have (2) secondary low voltage SeeTouch QS (QSWS2) keypad stations physically located in the Courtrooms- one for the lighting and one for the shades. The final Grafik Eye QS main unit location will be determined by Owner. Each room shall utilize Lutron dual technology wired occupancy sensors (LOS-CDT-2000 for automatic shutoff, and use an RS232 interface (QSE-CI-NWK-E) to communicate to the AV system (if applicable). Reference Drawing E2210.

o Open Office work spaces will be provided with low voltage controls in conjunction with dimming and daylig reduction control where applicable.

o Large storage rooms will be provided with ceiling mounted sensors and wall switches. Where high shelving intended, low voltage switching may be substituted to eliminate false "off's".

o Dual level switching or dimming will be provided for areas over 100 sf.

o Daylight responsive step-lighting controls will be provided in non-work areas such as lobbies and corridors along perimter window walls, depending on the fixture type and window size and orientation.

o Large training rooms, security control rooms and conference rooms will have vacancy sensors and dimmab control with wall box dimmers.

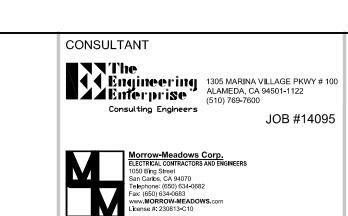
o Stair wells will be provided with occupancy sensor control with automatic "on" and automatic "off" for approximately 50% of the light. Per code, 50% will remain on. Interior photocell on a lower landing will contro lights "off" when enough daylight is provided in stair well.

o Secure Holding area lighting will be controlled ON/OFF at the Security Office. "ON" only stations with detention grade plates will be provided at entries from the Sallyport for afterhours use.

o Main lobby will be controlled at Reception or Security desk as well as switche will remain on in the area.

o Enclosed work spaces will typically be provided with vacancy sensor control. Manual "on" and automatic "off". Wall mounted sensors will have built-in light when desired daylight

Courts Building - 5151 Gleason Dr. County Building - 5149 Gleason Dr. Dublin, CA 94568



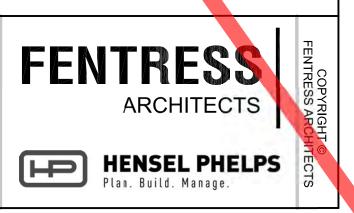
thouse manufacturer will be Lutron or approved equal.

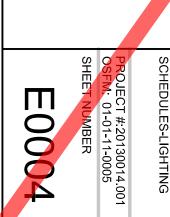
O Common and Open Offices Spaces: All common and office space types and all corridors control lighting via Lutron XP Switching Relay panels (refer to LCP relay schedules). Relays will be controlled via a time clock, as well as after hour overrides using low voltage SeeTouch QS keypads (QSWS2) per the lighting drawings. Lutron occupancy sensors (LOS-CDT-2000) and Lutron wired daylight sensors (EC-DIR) will be utilized as needed per the lighting drawings.

ADD ALTERNATE-Quantum System -Provide Lutron Quantum Hubs (QP3) as needed to control the courtrooms and common area Lutron lighting control systems. This will allow for PC based centralized control and scheduling ability for the entire building, as well as integration capability to the buildings BMS system (via Bacnet). Additionally, add (2) Q-Control+ iPad licenses to provide remote/localized programming ability for the end user.

O Master low voltage control stations at most entrances will enable all lighting which is not otherwise controlled by occupancy sensor to be turned "on" after bours. All lights will be enabled during the day (as set at time-clock) and the entry control stations will not change lighting status during those "on" hours.

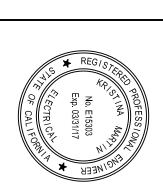
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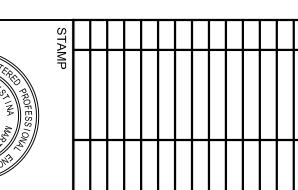


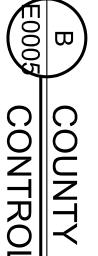


DP-4 RESP 1

SCHEDULES







COUNTY LIGHTING
CONTROL NARRATIVE

General Notes

Design setpoint for daylight dimming shall be 1.5 times the nightime designed light level.

Design setpoint for daylight switching shall be 2.0 to 2.5 times the nightlime designed light level.

Photosensors shall be filtered or calibrated to respond only to light in the visual range (no UV or IR) and adjust for the hunam sensitivity spectural curve. Continuous dimming controls shall utilize a sliding set point algorithm

Each	Each building will have a separate lighting control system.
The li	The lighting control system will conform, at a minimum, with California Title 24 2008.
	County Building Features
Manu	Manufacturer will be Delta Controls.
	o Common and Offices Spaces: All common and office space types and all corridors control lighting via Delta Relay panels (refer to LCP relay schedules). Relays will be controlled via a time clock, as well as after hour
	overrides using low voltage keypads per the lighting drawings. Lutron occupancy sensors (LOS-CDT-2000) and Lutron wired daylight sensors (EC-DIR) will be utilized as needed per the lighting drawings
	o Master low voltage control stations at most entrances will enable all lighting which is not otherwise
	controlled by occupancy sensor to be turned "on" after hours. All lights will be enabled during the day (as set at time-clock) and the entry control stations will not change lighting status during those "on" hours.
	o Corridors and Restrooms: Normal powered lighting shall be controlled by automatic "on" vacancy sensors. Emergency egress lighting will be ON/OFF with timeclock and low voltage override.
	o After-hours, The majority of emergency egress lighting will be controlled "off" by LCP timeclock, with Master override at entrances. Select fixtures at visible areas and main entrances will remain "on" for security purposes.
	o Enclosed work spaces will be provided with combination vacancy sensor / dimmer control. Manual "on" and automatic "off".
	o Open Office work spaces will be provided withlow voltage controls in conjunction with daylight reduction-dimming control where applicable.
	o Large storage rooms will be provided with ceiling mounted sensors and wall switches. Where high shelving in intended, low voltage switching may be substituted to eliminate false "off's".
	o Dimming or dual level switching will be provided for areas over 100 sf.
	o Large training rooms and conference rooms will have vacancy sensors and dimmable control with wall box dimmers.
	o Exterior photocell "on" and time scheduled "off" controls with partial reduction capabilities will be provided for dusk and dawn. Fixtures will not be completely turned off as allowed for nighttime security.
	o Undercounter lights will be provided with the electrified furniture, by others. Control to be determined by Owner/Vendor.

		ECHOJ LIGHTING	3 FIX TURE	SC	HEUC	F		-
TYPE		MFR. / CAT. NO.	LAMP QTY / TYPE		SIT	QTY / BALLAST	DESCRIPTION 2/18/2015	LOCATION
NOTES:	1. MERCURY CONTENT OF	T8 AND COMPACT FLUORESCENT LAMPS MS #50G-S22-LED-PH62/835-SAF12125-EDD-	Ş	T5 LAN	AHS	LL BE 2.5mg MAX.	מבטבניבנים ו באפבח דמטבנבמ	VIDEO ROC
F20DL		WILLIAWS #50G-S22-LED-PH62/835-SAF12125-EDD- PH277	LED 3500K/ 6200 LUMENS		277	0-10V DRIVER	2X2 RECESSED LENSED TROFFER.	VIDEO ROON
F22		WILLIAMS #CLEDSL60-PH1100-835-X-DGL-277	LED 35K (1100 LUMENS)	14	277	ELEC HPF	6" LENSED SHOWER DOWNLIGHT.	SHOWERS
F25L		WILLIAMS #96-4-L62/835-H1A-TP-DRV-277	LED 3500K/ 6200 LUMENS	73	277	NON-DIM LED DRIVER	4" X 4" X 4" WALL MOUNTED BOX TYPE WRAPAROUND WITH LENSED SECURELY ATTACHED SUCH THAT FIXTURE CAN BE WALL MOUNTED.	עזערעא
F25AL		WILLIAMS #96-4-L40/835-H1A-TP-DRV-277	LED 3500K/ 4000 LUMENS	40	277	NON-DIM LED DRIVER	SAME AS TYPE F25L EXCEPT LOWER OUTPUT	חורווא
F25BL		WILLIANS #96-41.62/835-H1A-TP-DRV-277- EMBSL310	LED 3500K/ 6200 LUMENS/ 1300 LUMEN ON BATTERY	73	277	ELEC HPF	SAME AS TYPE F25L EXCEPT WITH BATTERY BACK-UP.	COUNTY UTIL
F26B	EXI	PHLIPS CHLORIDE #ER60MLDXGW	LED	3	277	INCLUDED	ARCHITECTURAL LED EXIT SIGN. ARROWS AND MOUNTING TYPE AS INDICATED ON PLANS. PROVIDE BATTERY BACK-UP.	COUNTY
F28		GARDCO #121 SERIES		28	277	0-10V DRIVER	WALL MOUNTED LED UTILITY LIGHT.	EXTERIOR PENTHOUSE WALLS
F30L	1			49	277	DRIVER	SURFACE OR PENDANT MOUNTED STRIP LIGHT	חזורודא
F30AL	1		3000	100	277	CRIVER	SIMILAR TO F30 EXCEPT WITH SINGLE LAMP. X INDICATES THAT CONTRACTOR SHALL CONFIRM CLOSETS THAT 4' FIXTURE WILL FIT WITHIN FINISHED SPACE PRIOR TO ORDERING.	RM CLOSETS
F33L	1	FNEUTE #S12WM-ID-WCB-LED-4-2E-SO-3500K- OPEN-S-C-277-MB-FE	XXLUMENS	30	277	CRIVER	WALL MOUNTED INDIRECT FIXTURE WITH SLIM CURVED APPEARANCE AND PERFORATED DIFFUSER.	WELLNESS
F33BL	1	FNELITE #\$12WM-ID-WCB-LED-4*-2E-SO-3500K- OPEN-S-C-277-MB-FE-B\$L722	LED 3500K/ XX LUMENS/ 1600 LUMEN ON BATTERY	30	277	CRIVER	WALL MOUNTED INDIRECT FIXTURE WITH SLIM CURVED APPEARANCE AND PERFORATED DIFFUSER. PROVIDE SLIMBATTERY BACKUP	WELLNESS

€0005	D
CONTROL SCHEDULES	COUNTY LIGHTING

OTES:	,		٩		MENC! A		800F		N	2	N	\perp		2		2	_					_				LOOR										P-2C									CP-1C	_CP
OTES:	OS C PARTIAL	PC-STEP FA		두 경 [3D300	10227	3	20256	20234		PC-3b	2C258 PC-3a	10 10	(2) 2C202	10126	1D108		(2) 1C110	PC-1x PC-4x	인	10100	1D115	10150	TAG	19-24	17 6	15 14	13 12	3 3	9 00	7 6	4 10	ω Ν	_	16 17-24	15 14	13 12	± 5	9 8	7	5 4	ω Ν-	PWR	RELAY
_	OCCUP	INTERIC	EXTER	TIME CL			ω	N	N 1	NN	N		2 2	N	2 2	2	_					_	_	_		LCP G																			277	OLTAGE
CABIE	CUPANCY SENSOR	OR PHOTOSE	OR PHOTOC	TIME CLOCK LOW VOLTAGE SWITCH		L2SER	L2SER	120	WSCH	H2SW	=		H2SW	H2SW	H2SW	H2SW	H1SW	H1SW	H1SW	H1SW	H1SW	H1SW	H1SW	=	H1SW	ELAY PANEL	[20EX	L2SER	H2SW	H2SW	H2SW	H2SW	H2SW	H2SW	H2SW	H2SW	H1SW	H1SW	H1SW	H1SW	H1SW	H1SW	H1SW	H1SW	H1SW P	ANEL
	<u></u> [[]	킬리	7	ТСН		6 4	σ1 ω	-	3	Зу	2		3b 3c	3d 3a	7 3x	2	1y	15x 15y	16	ᅔᇗ	1x 4x	1a	7 2	=	7	CIRCUIT	σ	4 10 0	3 4b					5000 1000											& CI	RCUIT
	OUTPU	NAL	$ \vec{\omega} $			PENTOUSE WEST	Z Z	COM I ILLO ADARA	ဂ	EVIDENCE STORAGE 2C256	SAME FUNCTION AS 2C258		: :	OFFIC	LTG 2ND ELEC/IDF/MECH OPEN OFFICE 2D240	ND FL HALL EGRE	OFFICE	OPEN OFFICE 1D108 OPEN OFFICE 1D108		ICE 1C110	OPEN OFFICE 1C110 RECEPTION	OFFICE 1C	LTG 1ST FL HALL EGRESS		LTG 1ST FL HALL EGRESS LTG 1ST ELEC/IDF/MECH	AREA CONTROLLED	SPARES	ROOF LTG	ROOF LTG	LTG 2ND NIGHT LIGHT	LTG EVIDENCE STOR, 2C256	LTG EVIDENCE STOR. 2C256	LTG 2ND FL OPEN OFFICE	LTG 2ND FL OPEN OFFICE	LTG 2ND FL HALL EGRESS LTG 2ND FL HALL	PANEL POWER	SPARES	LTG 1ST FL HALL EGRESS	LTG 1ST ELEC/IDF/MECH LTG OPEN OFFICE 1D108	RECEPTION 1C155	LTG OPEN OFFICE 1C110 SOUTH	LTG OPEN OFFICE1C110	SITE SIGNAGE - COUNTY LTG OPEN OFFICE1C110	COUNTY LOT POLE LIGHTS COUNTY BOLLARDS-SOUTH/EAS	PANEL POWER	ESCRITPTION / REA SERVED
			AY OR INTERFACE MODULE				_	-	_	_			PC-3b PC-3c	1 PC-3a	PC-3x	1	_	_	1c	בו בו	PC-1x PC-4x	PC-1a			_	BUTTON	IC/LV	TC/LV	TC/LV/PC DIM MODULE	TC/LV	TC/LV	TC/LV/PC DIM MODULE	TC/LV/PC DIM MODULE	TC/LV/PC DIM MODULE	NOT CONTROLLED AT THIS TIME (A		NIGHT LIGHT - NOT CNTRL AT THIS TIME	TC/LV	TC/LV	TC/LV/PC DIM MODULE	TC/LV/PC-DIM MODULE	TC/LV	PC/ON TC/OFF	PC/ON TC/OFF	DOION DOIORE	CONTROL TYPE











DP-4 RESP 1 ADD B

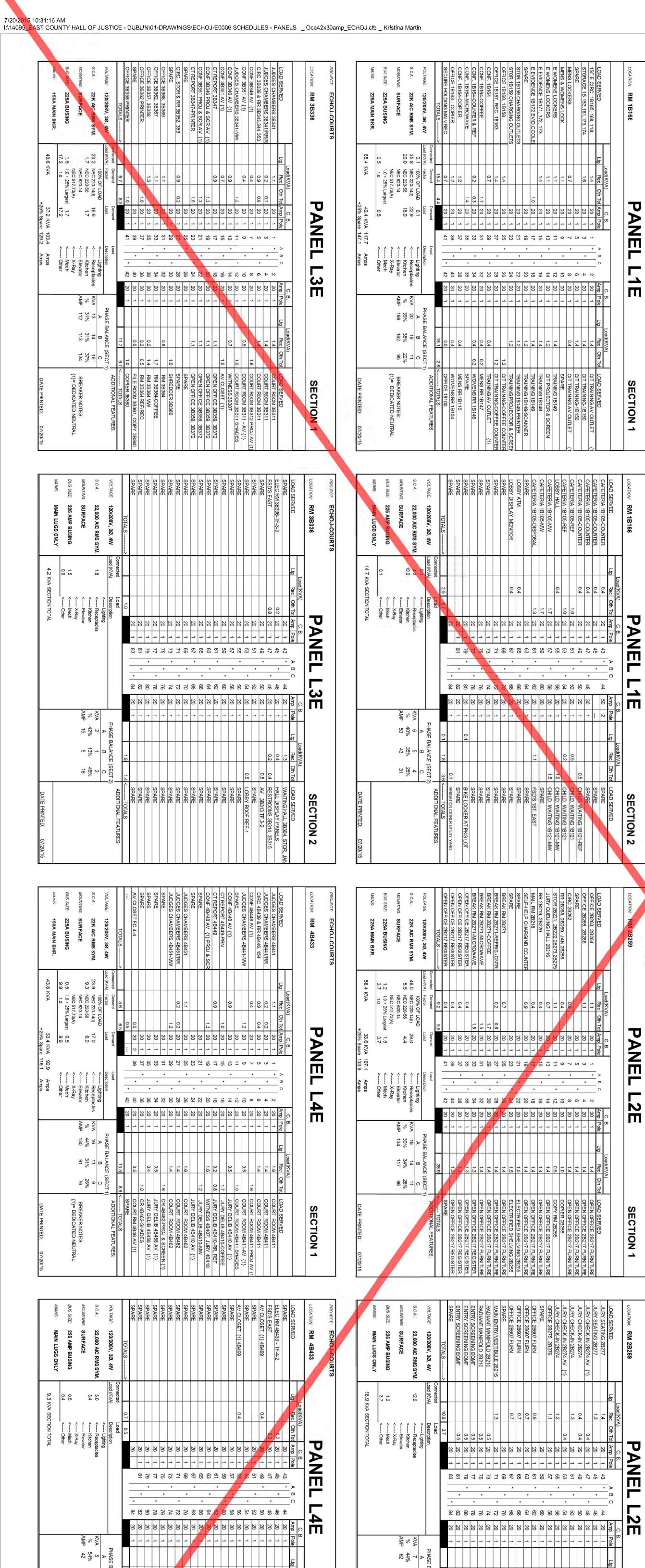


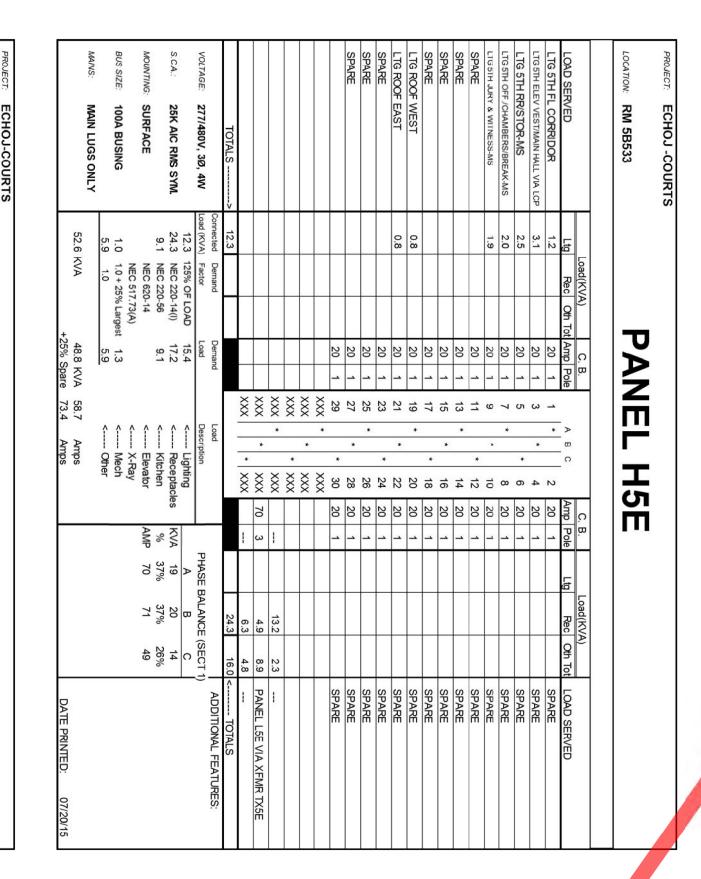


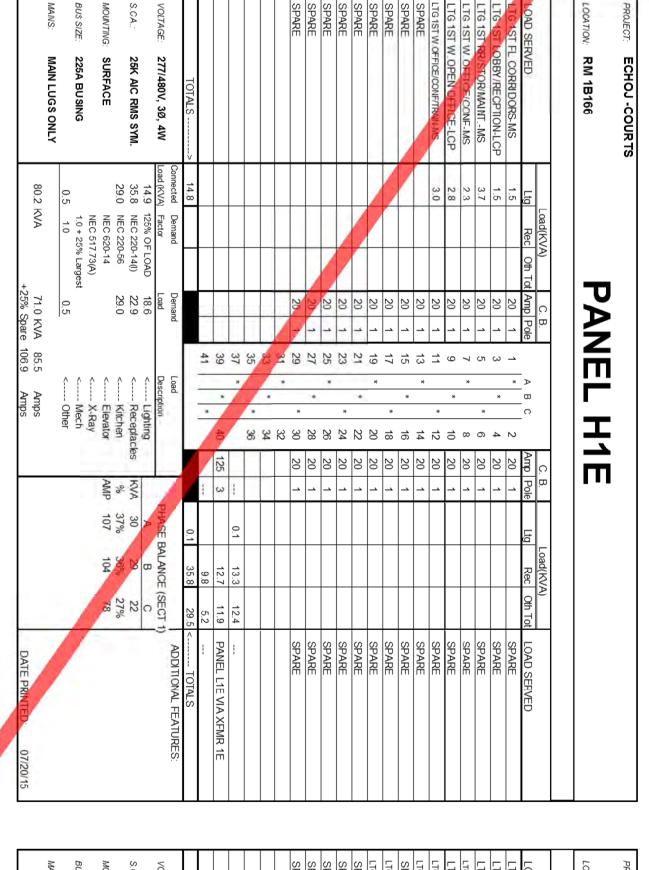












	MAINS: MAIN LUGS ONLY	BUS SIZE: 225A BUSING	MOUNTING: SURFACE		S.C.A.: 25K AIC RMS SYM.		VOLTAGE: 277/480V, 3Ø, 4W	TOTALS							SPARE	SPARE	SPARE	SPARE	SPARE	LTG 2ND JURY & WITNESS - MS	LTG 2ND OFF./CHAMBERS/BREAK-MS	SPARE	LTG 2ND CONNECTOR LOBBY VIA LCP	LTG 2ND JURY STG CIRC/CHECK-IN	LTG2ND JURY SEATING	LTG 2ND OPEN OFFICE EAST	LTG 2ND RR/STOR-MS	LTG 2ND LOBBY/HALL VIA LCP	LTG 2ND FL CORRIDOR .MS	LOAD SERVED		LOCATION: RM 2B259		PROJECT: ECHOJ -COURTS	
89.2 KVA		1.2 1.0 + 25% Largest 3.7 1.0	NEC 620-14	5.5 NEC 220-56	48.0 NEC 220-14(I)	- 1	Connected Demand Load (KVA) Factor													0.6	2.0		1.5	1.4	3.8	2.5	2.2	3.2	1.2	Ltg Rec Oth	Load(KVA)				
78.2 KVA (+25% Spare 1:		gest 1.5 3.7		5.5			Load								_	_	20 1	20 1	20 1	20 1	20 1	20 1	20 1	20 1	20 1	20 1	20 1	20 1	20 1	Oth Tot Amp Pole	C. B.	ZAN			
94.1 Amps 117.7 Amps		< Other	< Y-Pav	< Kitchen	< Receptacles	< Lighting	Load Description		*	* 40	×	*	*	*	*	×	×	*	21 * 22	19 * 20	17 * 18	15 * 16	13 * 14	11 * 12	9 * 10	*	* 6	3 * 4	1 * 2	A B C		ANEL DIE			
			AMP	%	cles KVA				:	125 3	:				20 1	20 1	20 1	20 1	20 1	20 1	20 1	20 1	20 1	20 1	20 1	20 1	20 1	20 1	20 1	Amp Pole	C. B.	7	ι Π		
			119 11	37% 36%	33 32	А В	PHASE BALANCE	12.4	Τ													2.4	2.7	1.0	0.4	0.4	2.1	2.7	0.7	Ltg	Loac				
				% 27%			NCE (SECT 1	48.0 10.4	Π	16.4 3.5	19.6 3.9																			Rec Oth Tot	Load(KVA)				
DATE PRINTED: 07/20/15)	^	ŀ	PANEL L2E VIA XFMR 2E	-				SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SITE SE PKG LOT LTG "h"	SITE SE PKG LOT LTG "j"	SITE PATH STEPLTS/ BOLLARDS	SITE FLAG POLE LTG	SITE PKG LOT BOLLARDS "e"	SITE NE PKG LOT LTG "d"	SITE NE PKG LOT LTG "c"	SITE SIGNAGE	LOAD SERVED					

		MAINS: MAIN	BUS SIZE: 100A		MOUNTING: SURFACE		S.C.A.: 25K /		VOLTAGE: 277/4		4						SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	LTG 3RD JURY & WITNESS-MS	LTG 3RD OPEN OFFICE EAST	LTG 3RD OFF./CHAMBERS/BREAK-MS	LTG 3RD RR/STOR-MS	LTG 3RD ELEV VESTMAIN HALL VIA LCP	LTG 3RD FL CORRIDOR	LOAD SERVED		LOCATION: RM		PROJECT: ECH	
	1000	MAIN LUGS ONLY	IOOA BOSING		ACE		25K AIC RMS SYM.		277/480V, 3Ø, 4W	IOIALS>																NESS-MS	OFFICE EAST	BERS/BREAK-MS)R-MS	MAIN HALL VIA LCP	RIDOR			RM 3B336		ECHOJ -COURTS	
55.6 KVA		17.7	17.2			1.7		. [Load (KVA)		5															1.1	0.5	3.2	2.9	3.1	1.2	Ltg	L				
VA		-	1.0 + 25% Laigesi	NEC 517.73(A)	NEC 620-14	NEC 220-56	NEC 220-14(I)	125% OF LOAD	Factor		<u> </u>																					Rec Ot	Load(KVA)				
52.4 KVA +25% Spare	5	17.12	17.2		:	1.7		-	Load								\dashv	20 1	20 1	20 1	20 1	20 1	20 1	20 1	20 1	20 1	20 1	20 1	20 1	20 1	20 1	Oth Tot Amp Pole	С. В.	-	DANEI H3E		
A 63.0 re 78.8										ľ						ļ					21	19	17	15	13	1	9			ω	_	ile			Z		
Amps Amps	•		< Other	^ * *	□	< Ki	1	^ Lic	Description		*	×	*	*	×	*	*	×	×	*	×	*	*	×	*	*	×	×	*	×	×	ABC		ř			
0, 0,	•	Š	her c	X-Ray	Elevator	Kitchen	 Receptacles 	Liahtina	_			40					8 1	28	26	24	23	20	18	16	14		10	80	6	4	2			=	Z Z		
					A					_	_	70				\dashv	\dashv	\dashv			20	20	20	20	20	20				20	20	Amp P	С. В.	ř	Π		
					AMP 66		KVA 18	>	PHA	F	ľ	ω	1			+	<u> </u>		_	1				_	1	1	1	_	1		_	Pole					
					59			В	PHASE BALANC	23.2	7.0	7.2	9.0																			Ltg Rec	Load(KV				
					76	38%	21	o Î	E (SECT 1	.2 20.4 <-	T	2 5.6	.0 4.9																			x Oth Tot	VA)				
DATE PRINTED: 0									1)		ŀ	PANEL L3E VIA XFMR TX3E	:				SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	t LOAD SERVED					
07/20/15									ç	?		X3E																									

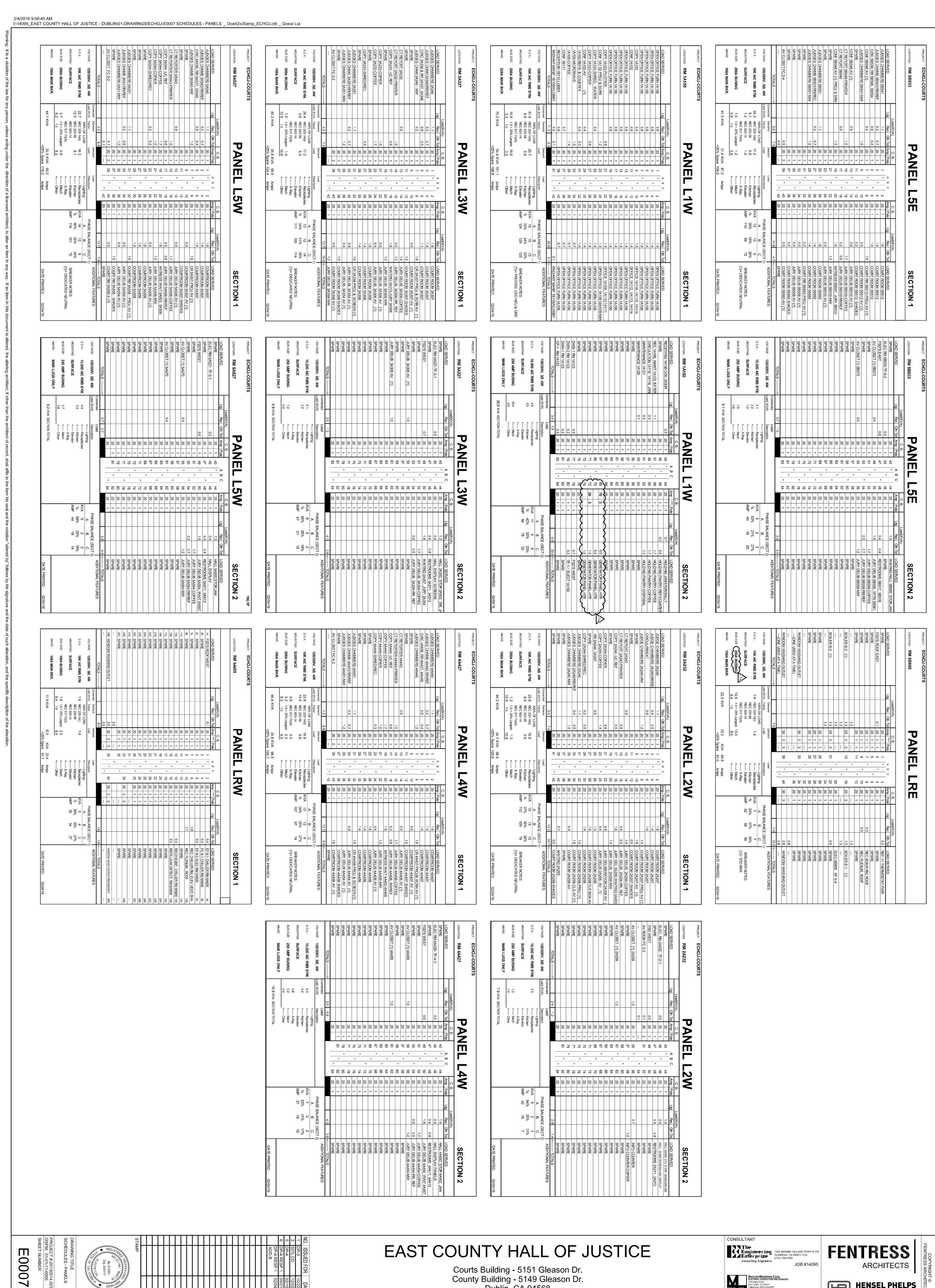
	MAINS: MA		BUS SIZE 100	MOUNTING: SU		S.C.A.: 251		VOLTAGE: 97								SPARE	LTG 4TH JURY & WITNESS-MS	LTG 4TH OFF./CH/	LTG 4TH RR/STOR-MS	LTG 4TH ELEV VE	LTG 4TH FL CORRIDOR	LOAD SERVED		LOCATION: RN	PROJECT: EC									
	MAIN LUGS ONLY		100A BUSING	SURFACE		25K AIC RMS SYM.	17000, 020, 785	277/480V 30 AW	TOTALS>																	WITNESS-MS	LTG 4TH OFF./CHAMBERS/BREAK.MS	TOR-MS	LTG 4TH ELEV VESTMAIN HALL VIA LCP	ORRIDOR	0		RM 4B433	ECHOJ -COURTS
000	549	9.9	0.5	Ī	93	23.9	11.3	Connected	11.3																	2.0	2.0	3.0	3.1	1.2	Ltg			
	54 9 KVA	7.0	NEC 51 (13(A)		NEC 220-56	NEC 220-14(I)	125% OF LOAD	Demand																							Rec Oth Tat	Load(KVA)		
+25% Spare	50 9 KVA	9.9			9.3	10	14.1	Demand								20 1	20 1	20 1	20 1	20 1	20 1	20 1	20 1	20 1	20 1	20 1	20 1	20 1	20 1		t Amp Pole	С. В.	PANEL H4E	
76.5								-		XX	X	X	×	X	×	29	27	25	23	21	19	17	15	13	11	9	7	5	ω	<u> </u>	,,,		Æ	
Amps	Amps	^	11	^	^	1	< Lig	Load		K		•		•	*		×	×		×	*		×	×		*	*		×		A B		Η	
lps	DS	Other	X-Ray Mech	Elevator	< Kitchen	< Receptacles	< Lighting			XXX	XXX	X	×××	XX	XX	*	28	26	* 24	8	20	18	16	14	* 12	10	00	* 6	4	2	C		Á	
											70				20	20	20	20	20	20	20	20	20	20	20	20	20	20	20		Amp	C.	4E	
				AMP	%	₩ A				1	w	1		ð				44			1	1	1	_	1	1	_	_	1	_	Pole	В.	• • •	
				81	41%	23	A (DHASE B							1																Ltg			
				8	33%	18	B	PHASE BALANCE (SECT 1	23.9	6.1	5.2	12.6					1														Rec	Load(KVA		
				51	26%	14	ر د ا	SECT 1	19.7	5.1	7.9	6.7																			Oth Tot	2		
DATE PRINTED:							_	ADDITIONAL FEATURES	^		PANEL L4E VIA XFMR TX4E	-				SPARE	SPARE	SPARE	SPARE	SPARE	LOAD SERVED													
07/20/15								ES:			TX4E																							

SECTION









DP-4 RESP 1 ADD B



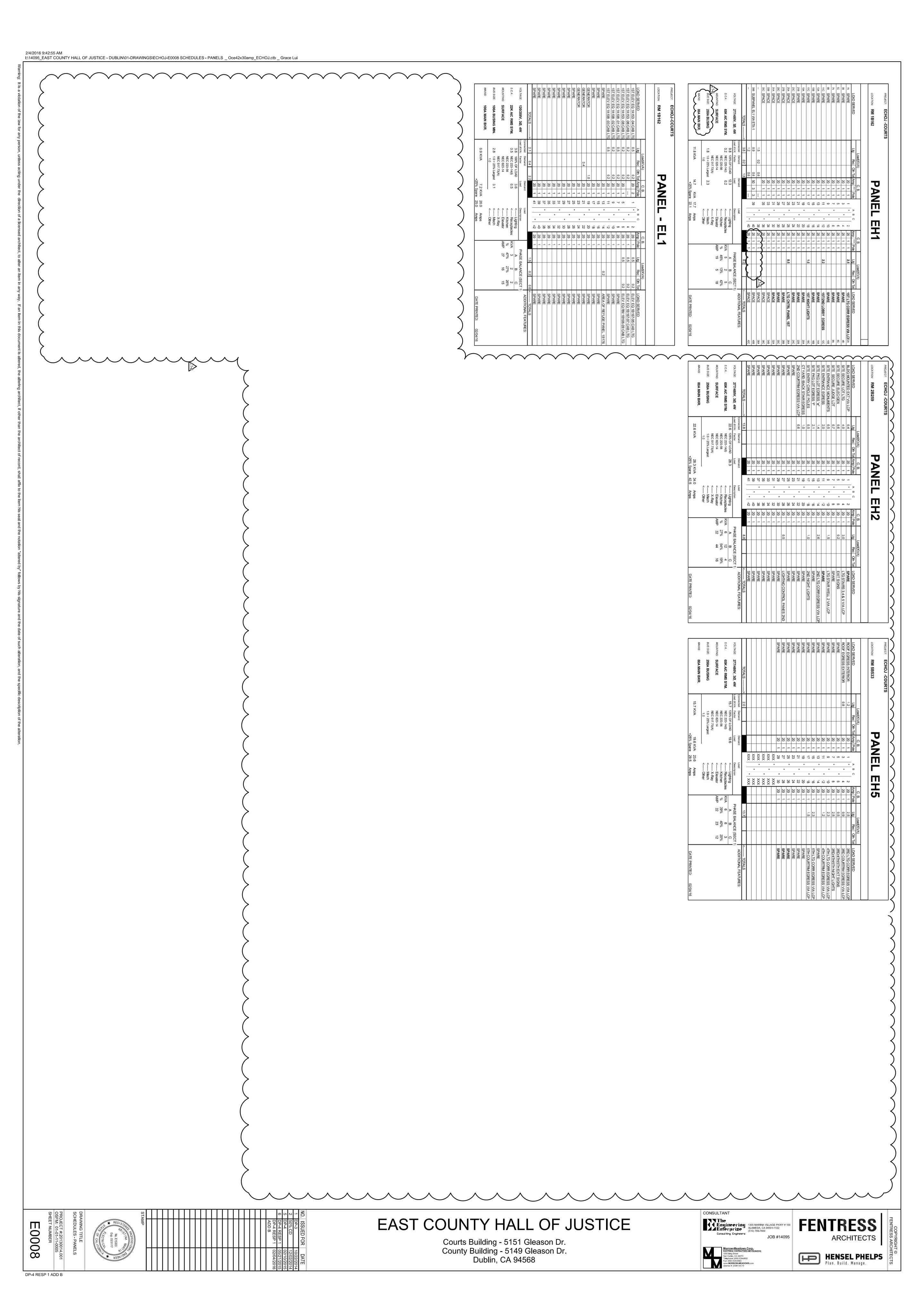














DP-4 RESP 1



