	GENERAL NOTES				
1.	THE FOLLOWING GENERAL NOTES ARE APPLICABLE AS STATED BELOW, EXCEPT WHERE SPECIFICALLY INDICATED AND NOTED OTHERWISE ON THE DRAWINGS OR IN THE SPECIFICATIONS. REFERENCE SPECIFICATIONS FOR ADDITIONAL INFORMATION REQUIREMENTS AND SCOPE OF WORK.	NOTI 1.	THIS DOCUMENT T IS THE INTENT OF THE DESCRIBED OR SHOWN A COMPLYING WITH ALL AF	FORMS A PART OF THE SE PLANS AND SPECIFI AS BEING IN THIS CONT PLICABLE CODES, INC	SPECIFICATIONS AND SHA CATIONS THAT A COMPLE RACT.FURNISH LABOR AND JUDING ITEMS REQUIRED B
2.	THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHERE IN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CONSTRUCTION CHANGE DOCUMENT (CCD) OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE DISTRICT BEFORE PROCEEDING WITH THE WORK. SECTION 4-317, CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, C.C.R).	2.	BOXES, CONNECTORS, A THE DRAWINGS ARE DIA NSTALLATION. THE DRAV SIMPLIFY INSTALLATION SHOW NECESSARY OFFS GENERAL DIMENSIONED	ND HARDWARE. GRAMMATIC IN NATUR WINGS SHALL BE FOLL( WHEREVER POSSIBLE SETS, BENDS AND OBST O CONSTRUCTION DRAV OWN OR SPECIEIED AL	E AND INDICATE THE LOCA DWED AS CLOSELY AS PRO BUT SUBJECT TO APPROVA RUCTIONS. THE DRAWING VINGS FOR DIMENSIONS AN
3.	BEFORE SUBMITTING THE BID PROPOSAL, VISIT THE JOB SITE AND FULLY ACQUAINT WITH THE EXISTING JOB CONDITIONS, VERIFY EXISTING AND NEW REQUIREMENT, INCLUDING NECESSARY PULL BOXES, SIZE AND NUMBER OF CONDUITS AND CONDUCTORS, PANELS, DISCONNECT SWITCHES CABLES, TIME CLOCKS ETC., WHETHER SHOWN ON DRAWINGS OR NOT, BUT REQUIRED FOR PROVIDING A COMPLETE AND OPERABLE, WITHOUT ADDITIONAL COST TO THE DISTRICT.		SUPPORTS, SURFACE MO A. EXPOSED CONDUIT SI FLATTENING.CONDUIT 3. CONDUIT SHALL BE IN C. CONDUIT SHALL BE IN	DUNTED ON ROOF FLOO HALL BE RUN PARALLEI I SHALL BE SUPPORTEL ISTALLED AS A COMPLE ISTALLED ENTIRELY FR	DR WITH DURA-BLOCK PIPI TO, OR AT RIGHT ANGLESS O AND SECURELY FASTENEID TE SYSTEM BEFORE WIRE EE FROM OTHER PIPING, V
4.	EQUIPMENT AND DEVICE LOCATIONS, ELEVATIONS, RISER DIAGRAMS, CONTROLS WIRING DIAGRAMS, SCHEMATICS, AND DETAILS SHOWN ON PLANS ARE CONCEPTUAL ONLY. THEY ILLUSTRATE THE FUNCTIONAL RELATIONSHIPS BETWEEN SYSTEM COMPONENTS AND THE PROJECT'S DESIGN INTENT. THE CONTRACTOR SHALL INSTALL DEVICES AS SITE CONDITIONS AND IOR APPROVAL PERMIT.		OF HOT WATER OR HE D. POCKETS OR TRAPS II AT EACH LOW POINT I E. THE CONDUIT SYSTEM PROVIDED WITH A LOV F. DOUBLE LOCKNUTS S	EATING FLUES. N ALL CONDUIT RUNS V IN ORDER TO PROVIDE M AND CONDUCTING WI W RESISTANCE PATH TO HALL BE USED FOR SE(	VHERE MOISTURE MAY COI A MEANS OF DRAINAGE. RE ENCLOSURES SHALL BI D GROUND. CURING CONDUIT AT A BO>
5.	THE LOCATIONS OF EXISTING UTILITIES WHERE SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE DISTRICT, THE ARCHITECT/ENGINEER OR THEIR REPRESENTATIVES. DETERMINE THE EXACT LOCATION, DEPTH, INVERT ELEVATIONS, POINT OF CONNECTIONS AND PROPER SLOPES BEFORE CONNECTING WORK. FIELD VERIEY AND COORDINATE AS REQUIRED.		<ol> <li>RUNNING THREADS SI IMPOSSIBLE TO SCRE JOINT THAT WILL BE E</li> <li>COUPLING AND CONN</li> <li>CONDUIT SHALL BE TE ENDS.</li> </ol>	HALL NOT BE USED ON W BOTH LENGTHS INTO 30TH MECHANICALLY A IECTORS USED ON G.R. ERMINATED WITH SUITA	CONDUIT FOR CONNECTIO ) AN ORDINARY COUPLING, ND ELECTRICALLY EFFECTI C./ I.M.T SHALL BE, THREAD ABLE BUSHINGS OR EQUIVA
6.	OCCUPANTS OF THE EXISTING BUILDING SHALL NOT BE INCONVENIENCED, DUE TO CONTRACTOR'S WORK DEBRIS, ETC. ENTRANCES AND CORRIDORS SHALL BE PROTECTED AND KEPT FREE OF OBSTRUCTIONS. THE DISTRICT SHALL BE NOTIFIED IN ADVANCE OF, TIME DELIVERY OF EQUIPMENT IN ORDER TO AVOID INTERFERENCE WITH THE NORMAL ACTIVITY OF THE BUILDING.		J. ALL BUILDING INTERIC (. IN EACH CONDUIT WIT PROVIDE SLEEVES, NI M. SEAL TIGHT FLEXIBLE N. PROTECT CONDUIT FF SHALL BE INSTALLED	DR CONDUIT SIZES SHA HOUT CONDUCTORS, F IPPLES, AND COUPLING CONDUIT SHALL BE PF ROM DAMAGE AND THE IMMEDIATELY AFTER T	LL BE MINIMUM OF 3/4" IN PROVIDE ROPE PULL STRIN S REQUIRED FOR THE INST ROVIDED TO CONNECT MOT ENTRANCE OF WATER AND HE CONDUIT IS INSTALLED
7.	ANY DISCREPANCIES BETWEEN THESE DRAWINGS AND ACTUAL FIELD CONDITIONS MUST BE REPORTED TO THE ARCHITECT/ENGINEER OF THE PROJECT. ANY DEVIATIONS FROM THESE PLANS NECESSITATED BY FIELD CONDITIONS MUST BE APPROVED BY THE ARCHITECT/ENGINEER OF THE PROJECT AND DOCUMENTED ON THE FINAL "AS-BUILT" DRAWINGS.	5. I	D. THOROUGHLY CLEAN PROVIDE AND INSTALL A A. INSTALLATION OF HAN 3. INSTALLATION SHALL PROVISION FOR EXPA	THE INSIDE OF CONDU LL CONDUIT/PIPE SUPP NGERS AND SUPPORTS BE SUCH SO AS TO SUI INSION AND CONTRACT	ITS TO ASCERTAIN FOREIG ORTS AND FASTENERS WI SHALL BE MADE TO THE S PORT CONDUIT WITHOUT ION SHALL BE MADE.
8. 9.	ALL WORK SHALL BE CONFORMANCE WITH TITLE 24, 2022 CALIFORNIA CODE REGULATIONS (CCR). TITLE 24 C.C.R., PARTS 1-5 MUST BE KEPT ON SITE DURING CONSTRUCTION. WORKMANSHIP AND ALL EQUIPMENT/MATERIALS SHALL CONFORM TO 2022 CALIFORNIA CODE REGULATIONS (CCR), TITLE 24 C.C.R., SPECIFICATIONS AND DETAILS FOR CONSTRUCTION AS FURNISHED BY THE CONTRACT DRAWINGS. WORKMANSHIP AND		C. SPACING OF SUPPOR SIZE OF CONDUIT (INCHES)	TS FOR EXPOSED HORI NUMBER OF CONDUITS IN RUN	ZONTAL CONDUIT RUNS SH
10.	MATERIALS NOT IN CONFORMANCE WITH THE CONTRACT DRAWINGS AND SPECIFICATIONS ARE SUBJECT TO REMOVAL AND/OR REPLACEMENT AT CONTRACTOR'S EXPENSE. AFTER THE NOTICE TO PROCEED (NTP) AND THE OFFICIAL START OF CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL BE		3/4	1 OR 2 1 OR 2	ON A FLAT CEILING WHERE IT IS DIFFIC AT INTERVALS FIXE
	RESPONSIBLE FOR PROVIDING ADEQUATE PROTECTION OF ALL EXISTING STRUCTURES (BOTH EXTERIOR AND INTERIOR) WITHIN AND ADJOINING WORK AREA. ANY EXISTING STRUCTURES AND /OR IMPROVEMENTS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED AND/OR REPLACED WITH MATERIALS, WORKMANSHIP, FIXTURES OR EQUIPMENT TEMPORARILY REMOVED SHALL BE RE-ERECTED OR INSTALLED IN AN APPROVED MANNER, THE CONTRACTOR SHALL SUBMIT ALL PROPOSED PROTECTION METHODS TO THE CONSTRUCTION MANAGER FOR REVIEW AND SHALL RECEIVE WRITTEN APPROVAL, PRIOR TO THEIR USE.		3/4 1 & 2	3 OR MORE 1 OR 2	ANY LOCATION ON A FLAT CEILING WHERE IT IS DIFFIC
11.	AFTER THE NOTICE TO PROCEED (NTP) AND THE OFFICIAL START OF CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL SUBMIT TO THE ARCHITECT/ENGINEER FOR APPROVAL, ELECTRONIC DOCUMENTS (PDF) OF ALL REQUIRED SHOP DRAWINGS, BROCHURES AND OTHER SATISFACTORY DESCRIPTIONS INDICATING MANUFACTURER, CATALOG NUMBER, DIMENSIONS AND PERFORMANCE OF THE EQUIPMENT. ALL WORK SHALL NOT BE STARTED UNTIL DETAILED DESIGN DOCUMENTS AND	1	1 & 2	3 OR MORE	AT INTERVALS FIXE ANY LOCATION
12.	OF THE PROJECT. A STAMPED SET OF APPROVED DESIGN DOCUMENTS SHALL BE ON THE JOB SITE AND USED FOR INSTALLATION.			SIZE	OF CONDUIT (INCHES) 3/4
13.	WHEN CONTRACTOR HAS BEEN AWARDED THE CONTRACT, IT IS HIS RESPONSIBILITY TO SECURE THE AREAS SO NO UNAUTHORIZED PERSONNEL OR STUDENTS GAIN ACCESS TO THE PROJECT AREA OR THE CONTRACTORS STAGING AREA.				1 and $1\frac{1}{4}$ $1\frac{1}{2}$ and 2
14.	ALL WORK IS TO BE COMPLETED ON REGULAR HOURS AS DIRECTED BY THE DISTRICT. ALL WORK THAT INVOLVES "SHUT-DOWN" OF EXISTING UTILITIES OR PORTIONS THEREOF, SHALL BE DONE AT SUCH TIMES THAT WILL CAUSE THE LEAST INCONVENIENCE TO THE DISTRICT'S ACTIVITIES. THE EXACT TIME AND LENGTH OF "SHUT-DOWN" SHALL BE APPROVED BY DISTRICT WITH WRITTEN NOTICE AT LEAST 7 DAYS IN ADVANCE OF THE REQUIRED SHUT-DOWN.	6	E. ELECTRICAL ENCLOSI ALL BRACING OF CONDU WHERE BRACING DETAIL ARCHITECT/ENGINEER A	URES SHALL BE WEATH IT AND CONDUIT SUPP IS ARE NOT SHOWN ON ND DISTRICT FIELD ARC	ERPROOF WHEN EXPOSED ORT SHALL BE INSTALLED I DRAWINGS OR IN THE GUI CHITECT/ENGINEER.
16.	THE CONTRACTOR SHALL COOPERATE WITH THE DISTRICT TO THE FULLEST EXTENT IN PROVIDING TRAFFIC CONTROL DURING COURSE OF CONSTRUCTION SO AS TO PROVIDE A MAXIMUM PROTECTION FOR STUDENTS AND DISTRICT PERSONNEL. ALL EMPLOYEES ON THE PROJECT WORK SHALL PARK THEIR PRIVATE VEHICLES IN THE AREA DESIGNATED BY THE DISTRICT.	8.	TO COMPLETION OF EQ SIZE OUTLET BOXES IN C SHALL BE 4" SQUARE BY	CONFORMITY WITH COE 2 1/8" DEEP. JUNCTION	CTOR SHALL INSTRUCT THE DE FOR NUMBER AND GAUC BOXES SHALL BE LABELEE
17.	THE CONTRACTOR SHALL EXERCISE MAXIMUM DUST AND NOISE CONTROL EFFORTS TO KEEP AT A MINIMUM THE NUISANCE OF DUST AND CONSTRUCTION NOISE FROM THE CONSTRUCTION.CONTRACTOR SHALL PROVIDE THE DISTRICT WITH A WRITTEN SCHEDULE OF WORK WHICH IS TO BE COORDINATED AND APPROVED BY THE DISTRICT PROJECT MANAGER, PRIOR TO THE START OF CONSTRUCTION.	9 10 11	ALL OUTLET BOXES SHA ALL CONDUITS AND OUT OPENINGS IN BOXES, CO	LL BE FLUSHED WITH T LET BOXES SHALL BE S NDUIT BODIES AND FIT	HE FINISHED SURFACE OF URFACE MOUNTED IN CMU TINGS SHALL BE ADEQUATI
18.	CONTRACTOR TO COMPLY WITH ALL APPLICABLE SAFETY LAWS (OSHA, CAL OSHA ETC.). IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE THAT ALL APPLICABLE SAFETY LAWS ARE STRICTLY ENFORCED AND TO MAINTAIN A SAFE CONSTRUCTION PROJECT.	12.         	SURFACE MOUNTED BOX NCH AIR SPACE BETWEE PANEL BOARDS, TERMIN. SWITCHES, FUSES AND (	KES AND CABINETS MOU EN THE BOX AND MOUN AL CABINETS AND CON DTHER COMPONENTS.	JNTED IN WET AND DAMP L TING SURFACE. TROL DEVICES. DATA SHAL
9.	ERECT AND MAINTAIN SUITABLE BARRIERS, PROTECTIVE DEVICES, LIGHTS AND WARNING SIGNS WHERE REQUIRED FOR THE PROTECTION OF THE PUBLIC AND EMPLOYEES. ENTRANCE TO ROOMS AND OTHER GUARDED LOCATIONS THAT CONTAIN LIVE PARTS SHALL BE MARKED WITH A CONSPICUOUS WARNING SIGN FORBIDDING UNQUALIFIED PERSONS TO ENTER.	16.   17.	JSE "THNN" COPPER WIF	RES OR EQUAL FOR ALL STED BY A RECOGNIZE	BRANCH CIRCUIT WIRING D TESTING LABORATORY.
20.	THE CONTRACTOR SHALL FURNISH ALL LABOR, SUPERVISION, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, WAREHOUSING AND ANY OTHER SERVICES REQUIRED TO COMPLETE THE WORK IN A TIMELY AND EFFICIENT MANNER.	18.	CONDUIT ROUTING, CON OTHER TRADES AND VEF CONTRACTOR IS RESPOI	DUIT QUANTITIES, PULI RIFY CONDITIONS IN TH NSIBLE FOR THE DESIG	BOX LOCATIONS, AND PU E FIELD TO DETERMINE AC N AND INSTALLATION OF C
21. 22.	THE DISTRICT SHALL BE NOTIFIED IN ADVANCE OF TIMES OF EQUIPMENT OR MATERIALS DELIVERY IN ORDER TO AVOID INTERFERENCE WITH THE NORMAL ACTIVITY ON THE DISTRICT PREMISES THE WORK AREA SHALL BE CLEANED DAILY AND ALL CONSTRUCTION DEBRIS SHALL BE DISPOSED OF BY THE CONTRACTOR AT	20. 1	SPECIFICATIONS (DIVISIO	TAP SPLICES ARE PROF	ATE ALL LOW-VOLTAGE WO
23.	LEGAL DUMP. AT CONCLUSION OF PROJECT CONTRACTOR SHALL LEAVE WORK AREA AND SITE, BROOM CLEAN AND GENERALLY IN SAME CONDITION AS PRIOR TO THIS CONSTRUCTION WORK. PROTECT-IN PLACE AND CARE FOR LAWNS SHRUBS, ETC, IN THE CONSTRUCTION AREAS DURING CONSTRUCTION PERIOD.	21. 1	21.1. ALL NON-CURRENT CONTRACT MUST E 21.2. THE GROUNDING IN SYSTEMS ARE TO E	CARRYING METAL PAP BE PROPERLY GROUND NSTALLATION SHALL HA BE EFFECTIVELY INSTALLATION SHALL HA	RTS OF ELECTRICAL EQUIP ED TO THE GROUNDING SY AVE PROVISIONS FOR BOTH ATED FROM EACH OTHER I
24.	REPLACE ALL DAMAGED ITEMS AT NO COST TO DISTRICT. AT NO TIME DURING THE WORK UNDER THE CONTRACT SHALL THE CONTRACTOR PLACE, OR CAUSE TO BE PLACED, ANY MATERIAL OR FOLURMENT FTC. AT A LOCATION THAT WOLLD IMPEDE OR IMPAIR ACCESS TO OR FROM THE PRESENT FACILITIES	:	21.3. ALL GROUNDING IN INTERPRETATIONS 21.4. IF THE WATER SER MATERIAL. WATER 21.5. WHERE GROUNDIN	ISTALLATIONS MUST CO WILL GOVERN IN ANY ( VICE IS USED AS A GRC PIPING WITH SWEATED IG CABLES ENTER OR L	DMPLY WITH THE CEC AND CASE OF AMBIGUITY. DUNDING POINT, ENSURE T J JOINTS IN THE ELECTRICA EAVE FERROUS CONDUITS
25.	IF ASBESTOS/LEAD IS ENCOUNTERED IT SHALL BE IMMEDIATELY REPORTED TO THE DISTRICT. CONTRACTOR SHALL NOT CONTINUE THEIR WORK WHERE ANY HAZARDOUS MATERIALS ARE ENCOUNTERED DURING CONSTRUCTION. REMOVAL AND ABATEMENT OF SUCH ENCOUNTERED SHALL BE PROVIDED BY DISTRICT. DISTRICT SHALL PROVIDE SPOT ABATEMENT WHERE IDENTIFIED BY CONTRACTOR	22.	ALSO REQUIRED W THOROUGHLY CLEAN AL CEMENT, PLASTER, DIRT PAINTING. A. EQUIPMENT FURNISHI	L PARTS OF THE EQUIP , RUST, GREASE, AND C	CABLE PASSES THROUGH MENT AND MATERIAL INST DTHER FOREIGN MATTER, /
26.	THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING STRUCTURES AT THE WORK AREA FROM WEATHER AND OTHER INCLEMENT CONDITIONS. ANY DAMAGE INCURRED DUE TO FAILURE BY THE CONTRACTOR TO PROPERLY PROTECT SUCH WORK SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE.	21.	<ol> <li>CONCEALED SURFACE</li> <li>AFTER TESTS HAVE B WORK.</li> <li>ALL EXPOSED CONDU</li> <li>ELECTRICAL TESTING AN</li> </ol>	ES OF METAL RACKS, F EEN COMPLETED, CLEA IITS & BOXES SHALL BE ND TERMINATIONS:	RAMES, AND BOXES SHALL IN ALL EQUIPMENT WITH S PAINT TO MATCH EXTERIO
27.	THE CONTRACTOR SHALL DISPOSE OF ALL REMOVED AND OR DEMOLISHED MATERIAL, WASTE AND DEBRIS CAUSED BY THE NEW WORK. THIS MATERIAL SHALL BE REMOVED FROM THE DISTRICT PROPERTY AND TAKEN TO A LEGALLY OPERATED DISPOSAL SITE. THE CONTRACTOR SHALL KEEP ALL PARTS OF THE BUILDING AND SITE FREE FROM ANY ACCUMULATIONS OF RUBBISH OR WASTE MATERIALS CAUSED BY HIS WORKMEN, AND SHALL REMOVE SUCH ACCUMULATIONS FROM THE BUILDING, SITE AND PROPERTY.	22.	21.1. ALL WIRING AND CO ANY EQUIPMENT O 21.2. THE CONTRACTOF RELIABLE CONNEC NSULATION SHALL BE TE	ONNECTIONS SHALL BE R FIXTURES. CABLES S R SHALL TERMINATE AL TIONS. ESTED BEFORE AND AF	THOROUGHLY TESTED FC HALL BE ADDITIONALLY CH L CABLES AND WIRES USIN TER INSTALLATION, AND BE
28.	JOB SITE SHALL BE CLEANED AT THE END OF EACH WORKING DAY. THE SEISMIC ANCHORAGE OF MECHANICAL AND ELECTRICAL EQUIPMENT SHALL CONFORM TO ASCE 7-05 SECTION 13.3.1 AND TABLE 13.6-1. ANCHORAGE DETAILS FOR WALL/FLOOR MOUNTED EQUIPMENT SHALL BE SHOWN ON PLANS.		<ul> <li>A. RUBBER INSULATION 3 OF EQUIVALENT "RMS</li> <li>B. VARNISHED CAMBRIC MANUFACTURER.</li> <li>C. INSULATION RESISTAN INSULATION RESISTAN</li> </ul>	SHALL BE TESTED FOR " ALTERNATING CURRE , PAPER, AND OTHER IN NCE SHALL BE TESTED NCE OF LESS THAN 1 M	ACCEPTANCE BY APPLYIN INT FACTORY TEST VOLTAG ISULATION SHALL BE TEST BY MEGGER OF NOT LESS EGOHM SHALL BE INVESTIO
29.	SPECIFIED PRODUCTS AND MODEL NUMBERS REPRESENT THE DESIGN INTENT AND ARE RECOMMENDED FOR THIS PROJECT. IF A BIDDING CONTRACTOR PROPOSES A SUBSTITUTION FOR A DESIGN-INTENT PRODUCT, IN ACCORDANCE WITH DIVISION 00/01 OF THE PROJECT DOCUMENTS, THEY ARE SOLELY RESPONSIBLE FOR PROVIDING SUBSTANTIAL VALIDATION DEMONSTRATING THE SUBSTITUTED PRODUCT IS EQUAL TO OR BETTER THAN THE SPECIFIED PRODUCT IN ALL DESIGN ASPECTS. THIS VALIDATION MUST BE SUBMITTED TO THE DISTRICT AND ARCHITECT FOR REVIEW AND ACCEPTANCE NO LATER THAN 15 CALENDAR DAYS PRIOR TO THE BID OPENING DATE AND TIME. FAILURE TO OBTAIN PRIOR APPROVAL FOR A SUBSTITUTION WILL BE INTERPRETED AS THE CONTRACTOR'S INTENT TO FURNISH THE SPECIFIED ITEMS PER THE CONTRACT DOCUMENTS. ANY DEVIATIONS FROM THE APPROVED SUBSTITUTIONS RESULTING IN ADDITIONAL COSTS SHALL BE THE SOLE RESPONSIBILITY OF THE	24.	OR GROUNDED AND M THE ENTIRE SYSTEM SH, A. OVERLOAD DEVICES S 3. LOADS ON ALL PARTS C. ALL CHANGES SHALL D. PHASE ROTATION AT / E. GROUND TESTS SHAL ASCERTAIN THAT THE CONTOL CIRCUITS S	IAKE WIRE-BY-WIRE TES ALL BE PLACED IN PRO SHALL BE ADJUSTED AN OF SYSTEMS SHALL BI BE MADE THAT ARE NE ALL BUSES, PANELS, SV L BE MADE WITH THE 3 SY MEET DESIGN AND C	ST. PER OPERATING CONDITION ID SET TO SUIT THE LOADS E BALANCED, INSOFAR AS I CESSARY FOR ADJUSTING VITCHBOARD ETC., SHALL ELECTRODE "AC" OR "DC" ODE REQUIREMENTS. I FOR PROPER FLINCTIONII
30.	CONTRACTOR/SUBCONTRACTOR. CONTRACTOR TO PROVIDE ALL NECESSARY COMPONENTS WHETHER SHOWN OR NOT ON THE DRAWINGS OR SPECIFIED ON THE CONTRACT TO MAKE THE SYSTEM FUNCTIONALLY OPERATIVE AND ACCEPTABLE TO ALL CONCERNED AUTHORITIES.	25.         	DETERMINE EXACT ROUT POSSIBLE BUT SUBJECT	TING OF CONCEALED F TO APPROVAL OF ARCI	EEDERS AND BRANCH HOM HITECT FOR VISUAL AND S
31.	THE CONTRACTOR SHALL ADJUST/AND INSTALL ALL EQUIPMENT, DEVICES AND CONTROLS TO MAXIMIZE PERFORMANCE AND TO MINIMIZE FAILURE OF THE SYSTEM.	27.	SHUT DOWN OF UTILITIE HOURS/WEEKENDS/HOLI CHECK PANEL SCHEDULI REMOVED TURN OFF ANY	S SHALL BE COORDINA DAYS AS DIRECTED BY ES IDENTIFICATION FOR Y SPARE BREAKERS AN	TED WITH DISTRICT PRIOR DISTRICT. R VALIDITY. RE-IDENTIFY AI D VERIFY SPARES ARE IND
32. 33.	UPON COMPLETION OF THE INSTALLATION OF THE SYSTEM, INSTALLING CONTRACTOR SHALL SUBMIT STATEMENT OF COMPLIANCE AND REQUEST FINAL INSPECTION. A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF A DISTRICT PROJECT INSPECTOR. DISTRICT SHALL BE NOTIFIED A MINIMUM OF 48 HR. PRIOR TO THE FINAL INSPECTION AND/OR TESTING	28.   28.   	JSE "DYMO" LABEL ON F CUT FLOORS, CEILINGS / PRIOR TO START OF WO BE DETERMINED BASED	ACE OF EACH CONTROL AND WALLS AS REQUIR RK TO AVOID EXISTING ON STRUCTURAL CONF	L DEVICE AND JUNCTION B ED FOR INSTALLATION OF 1 STRUCTURAL RE-BAR AND DITION, EXISTING OBSTRUCT
34.	INDIVIDUAL ITEMS OF WORK ARE DETAILED IN THE VARIOUS SECTIONS OF THIS SCOPE OF WORK. THE ATTACHED DRAWINGS AND THE NOTES AND LEGENDS ON THE DRAWING, THE CONTRACTOR IS RESPONSIBLE TO COMPLETE THE REQUIREMENTS FOUND IN ANY OF THE ABOVE.	29.	SHALL NOT PENETRATE	STRUCTURAL SLAB. AL CUTTING OR DRILLING HTECT AND STRUCTUR	L WORK SHALL BE PATCHE THROUGH THE NEW OR EX AL ENGINEER WITH THE AP
35.	THE CONTRACTOR SHALL PROVIDE A RECORD OF COMPLETION ("AS-BUILT" DRAWINGS) UPON COMPLETION OF CONSTRUCTION, INCLUDING TESTING OF ALL EQUIPMENT, DEVICES, CONTROLS, AND ENSURING THE ENTIRE SYSTEM IS OPERATIONAL AND PROGRAMMED. A COPY OF THIS COMPLETED RECORD ("AS-BUILT" DRAWINGS) SHALL BE SUBMITTED TO THE IOR, ARCHITECT/ENGINEER AND DISTRICT FOR FINAL ACCEPTANCE	30 31	ALL PENETRATIONS THR DENTIFIED IN CBC CHAP SHALL BE IDENTIFIED WI ALL PENETRATION THRU	OUGH RATED ASSEMBI TER 7, UL OR OTHER A THIN THE PROJECT SPE EXISTING EXTERIOR W	LIES REQUIRING OPENING I PPROVED LAB TESTING CR CIFICATIONS. /ALL SHALL BE PROVIDED /
36.	NOTIFY THE SUPPLIER OF ANY MISSING OR BROKEN PARTS OR ANY MISSING OR BROKEN FIXTURES AT LEAST FOURTEEN (14) DAYS PRIOR TO JOB COMPLETION. EQUIPMENT INSTALLED WITHOUT APPROVAL THEREOF SHALL BE DONE AT THE RISK OF THE CONTRACTOR AND THE COST OF REMOVAL OF SUCH EQUIPMENT OR RELATED WORK WHICH IS JUDGED UNSATISFACTORY FOR ANY REASON SHALL BE AT THE EXPENSE OF THE CONTRACTOR	32.             	EXISTING CONDUIT MAYE PROVIDE NEW CONDUITS NEW DEVICE LOCATIONS MEP COMPONENT ANCH ALL MECHANICAL, PLUME	BE RE-USED FOR NEW \ S. CONTRACTOR AT HIS S AS NECESSARY. ORAGE NOTE BING, AND ELECTRICAL	NORK, PROVIDED THEY ME OPTION MAY REUSE EXIS COMPONENTS SHALL BE A
37.	ANT REASON SHALL DE AT THE EXPENSE OF THE CONTRACTOR.		DOCUMENTS. THE FOLLOWING COMPC SECTIONS 1617A.1.18 TH 33.1. ALL PERMANENT E 33.2. TEMPORARY, MOV/ ELECTRICITY, GAS HAVING A FLEXIBLE 33.3. TEMPORARY, MOV/ ADJACENT FLOOR	DNENTS SHALL BE ANCH ROUGH 1617A.1.26 AND QUIPMENT AND COMPC ABLE OR MOBILE EQUIF OR WATER. "PERMANE E CABLE. ABLE OR MOBILE EQUIF OR ROOF LEVEL THAT	HORED OR BRACED TO MER ASCE 7-16 CHAPTERS 13, 2 INENTS. MENT THAT IS PERMANEN NTLY ATTACHED" SHALL IN PMENT WHICH IS HEAVIER 1 DIRECTLY SUPPORT THE C
			ARCHITECT/ENGINI THE FOLLOWING MECHA COMPLIANCE WITH THE F ASSOCIATED DUCTWOR A. COMPONENTS WEIGH DIRECT & SUPPOPT	EERING. NICAL AND ELECTRICAI REFERENCES NOTED A K, PIPING, AND CONDUI ING LESS THAN 400 PO ING COMPONIENT	L COMPONENTS SHALL BE BOVE. THESE COMPONENT T. FLEXIBLE CONNECTIONS UNDS AND HAVE A CENTER

ELECTRICAL	NOTES

ALL BE CONSIDERED THE SAME AS IF ATTACHED THERETO.

#### TE AND WORKABLE ELECTRICAL INSTALLATION BE PROVIDED FOR THE EQUIPMENT ) TOOLS NECESSARY AND INSTALL APPARATUS, MATERIALS, AND EQUIPMENT IN A FASHI BUT NOT NECESSARILY SHOWN, SUCH AS COUPLINGS, HANGERS, BRACKETS, CLAMPS,

TION OF EQUIPMENT AND DEVICES AND THE ARRANGEMENT OF THE REQUIRED PER COORDINATION WITH THE EXISTING FIELD CONDITIONS AND SPACE WILL PERMIT. AL OF THE DISTRICT FOR VISUAL AND STRUCTURAL REASONS. THE DRAWINGS DO NOT S ARE NOT INTENDED TO BE SCALED AND THE CONTRACTOR SHALL REFER TO THE

ND EXACT LOCATIONS. C/IMT TYPE THREADED FITTINGS. CONDUIT SHALL BE SURFACE MOUNTED ON WALLS, PIPE E/CONDUIT SUPPORTS.

WITH THE LINES OF THE BUILDING.BEND SHALL BE FREE FROM DENTS OR

OR CONDUCTORS ARE PULLED IN. ALVES OR OTHER MECHANICAL EQUIPMENT, AND SHALL NOT BE INSTALLED WITHIN 6 INC

LLECT SHALL BE AVOIDED.WHERE DIPS ARE UNAVOIDABLE, A PULL BOX SHALL BE LOCATE E SECURELY BONDED TOGETHER SO THAT FOR EVERY CONDUCTING COMPONENT IS

OR CABINET UNLESS A THREADED HUB IS PROVIDED AS PART OF THE BOX OR CABINET DN AT COUPLINGS.WHERE 2 LENGTHS OF CONDUIT MUST BE COUPLED TOGETHER, AND IT IS THEN THE "ERICKSON" TYPE OF COUPLING MUST BE USED IN ORDER TO PROVIDE A RIGID FD TYPE

ALENT DEVICES WHICH SHALL PROTECT THE ENCLOSED WIRES FROM ABRASION AT THE ACCORDANCE WITH THE MINIMUM REQUIREMENTS OF THE "CEC' IG WITH A TAG IDENTIFYING LOCATION OF OPPOSITE END

TALLATION OF CONDUIT. SLEEVES SHALL PROJECT 2" ABOVE FLOOR. ORS ON SLIDING BASES, TO CONTROLS, AND TO VIBRATING EQUIPMENT D FOREIGN MATTER DURING THE CONSTRUCTION PERIOD.WATERTIGHT STOPPERS OR CAPS

REMOVED ONLY WHEN WIRE IS TO BE INSTALLED. ON MATERIALS ARE REMOVED BEFORE PULLING WIRE OR CABLE.

TH DURA-BLOK AS REQUIRED. TRUCTURE.

SAGGING AND WORK HAZARD AND SHALL BE CLEAR OF THE WORK OF OTHER TRADES. HALL BE AS FOLLOWS.

MAXIMUM SUPPORT SPACING LOCATION (FEET) OR WALL 5 CULT TO PROVIDE SUPPORTS EXCEPT ED BY BUILDING CONSTRUCTION 7 OR WALL 6 CULT TO PROVIDE SUPPORTS EXCEPT 10 ED BY BUILDING CONSTRUCTION 10

LL BE AS FOLLOWS. MAXIMUM SUPPORT SPACING (FEET) 8 10

TO OUTDOORS OR WET AREAS.

IN ACCORDANCE WITH ASCE 7-10 SEISMIC BRACING GUIDELINES AS APPROVED BY DISTRIC IDELINES. THE FIELD INSTALLATION SHALL BE SUBJECTED TO THE APPROVAL OF

ATE INSTALLATION OF ELECTRICAL SYSTEM WITH EXISTING BUILDING STRUCTURES. PRIOR E DISTRICT ON THE USE AND MAINTENANCE OF THE INSTALLED SYSTEM GE OF CONDUCTORS THEREIN. EXCEPT WHERE NOTED TO BE LARGER, MINIMUM BOX SIZE D WITH RESPECTIVE CIRCUIT NUMBERS.

WALLS AND CEILINGS OF COMBUSTIBLE MATERIALS.

J, CONCRETE WALL/SLABS. TELY CLOSED.

LOCATIONS SHALL BE WEATHERPROOF NEMA 3R OR NEMA 4X AND SHALL HAVE AT LEAST 1

LL INCLUDE CABINET DIMENSIONS, SIZE AND CAPACITY OF BUSSES, CIRCUIT BREAKERS

WITH A SEPARATE GREEN GROUNDING CONDUCTOR. SIZE PER CEC 250-122.

JLL BOX QUANTITIES SHOWN ARE SCHEMATIC. CONTRACTOR SHALL COORDINATE WITH CONDUITS, INCLUDING PULL BOXES, TO MEET PROJECT REQUIREMENTS

NATION AND FOUIPMENT SHALL COMPLY WITH DISTRICT IT STANDARDS AND ORK WITH THE DISTRICT IT AND OBTAIN THEIR APPROVAL. WIRED IN A SERIAL, DEVICE-TO-DEVICE CONFIGURATION.

MENT AND ENCLOSURES (CONDUITS, SUPPORTS, CABINETS, ETC.) INSTALLED UNDER THIS STEM, REGARDLESS OF WHETHER THEY'RE SHOWN ON THE DRAWINGS. H SYSTEM AND EQUIPMENT GROUNDS AS DEFINED BY THE "CEC" THESE GROUNDING PT AT THE SERVICE CONNECTION. THE NATIONAL ELECTRICAL SAFETY CODE (NESC). LOCAL INSPECTION AUTHORITY THE WATER PIPING IS ELECTRICALLY CONTINUOUS AT JOINTS AND MADE OF CONDUCTIVE

AL PATH MUST HAVE THOSE JOINTS BONDED. , THEY MUST BE MECHANICALLY CONNECTED TO THE CONDUIT END. CONNECTIONS ARE FERROUS FLOORING OR FRAMING

ALLED UNDER THIS DIVISION. SURFACES OF EXPOSED CONDUIT SHALL BE CLEANED OF AND BE LEFT IN CONDITION SUITABLE TO THE CONTRACTOR AND ACCEPTABLE FOR

BE PAINTED BEFORE MOUNTING. OAP AND WATER, LEAVING EVERYTHING IN WORKING ORDER AT THE COMPLETION OF THE R FINISH

DR CONTINUITY, GROUNDING, SHORT CIRCUITS, AND OTHER DEFECTS BEFORE CONNECTIN ECKED FOR CONTINUITY, SHORTS, INSULATION RESISTANCE, AND PROPER PHASING NG UL-LISTED TERMINAL LUGS (SUPPLIED BY THE CONTRACTOR) TO ENSURE SECURE AND

FORE ENERGIZING IG DIRECT CURRENT POTENTIAL NOT OVER 3 TIMES THE RATIO OF DIRECT CURRENT TO 60 GE FOR 5 MINUTES. TED IN THE MANNER DIRECTED BY AND UP TO THE LIMITS RECOMMENDED BY THE THAN 600 VOLTS OUTPUT FOR CIRCUITS 480 VOLTS AND LESS, ANY CIRCUIT SHOWING AN

GATED AND THE WEEK POINT CORRECTED. CORRECT OR REPLACE ANY CIRCUIT DEFECTIVE

WHICH THEY CONTROL. S PRACTICAL , SETTING AND BALANCING. BE CHECKED TO SEE IF IT CONFORMS WITH RECOGNIZED STANDARDS

VOLTAGE DROP METHOD TO ESTABLISH INITIAL READINGS FOR RECORDS, AND TO NG AND FAIL-SAFE QUALITIES.

IE RUNS IN COOPERATION WITH OTHER TRADES TO SIMPLIFY INSTALLATION WHEREVER TRUCTURAL REASONS. CT. A 7 DAY WRITTEN NOTICE SHALL BE GIVEN FOR ANY OUTAGE REQUEST. ANY REQUIRE

TO SUCH ACTIVITIES. WORK MAY HAVE TO BE SCHEDULED OF NY OR ALL CHANGES IN PANEL ON PANEL SCHEDULE CARD. WHILE PANEL COVER IS

DICATED ON PANEL SCHEDULE CARD. OXES INDICATING THE SOURCE PANEL AND CIRCUIT USED.

WORK. ALL PENETRATION THROUGH MASONRY/CONCRETE WALL/CEILING SHALL BE X-RAY PROVIDED BY MEANS OF SLEEVES OR CORE DRILLING. EXACT LOCATION OF CORING SHAI CTION AND FIELD CONDITION. CONTRACTOR SHALL COORDINATE WITH DISTRICT. CONDUITS ED AND REPAIRED AS DIRECTED BY DISTRICT.

XISTING STRUCTURAL ELEMENT TO BE DONE ONLY WHEN SO DETAILED IN THE DRAWINGS PROVAL OF DISTRIC PROTECTION SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM (CAULKING) AS

RITERIA TO MAINTAIN INTEGRITY OF THE EXISTING RATING. APPROVED TYPES OF MATERIALS ALL UL LISTED SEAL AND WATERPROOF

EET MINIMUM CONDUIT SIZE REQUIREMENTS AND WIRE FILL CAPACITY (40%), OTHERWISE TING CONDUITS WITHIN THE BUILDINGS/SITE AND PROVIDE NEW CONDUITS TO EXTEND TO

ANCHORED AND INSTALLED PER THE DETAILS ON THE APPROVED CONSTRUCTION

ET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC 26 AND 30:

TLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS CLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY

POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN IS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIREC R OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THA B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

- THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY ENGINEERING. THE PROJECT INSPECTOR WILL VERIFY THA ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.
- ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN
- ASCE 7-16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2022 CBC SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26. HE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G., HCAI OPM FOR 2022 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

ELECTRICAL DISTRIBUTION SYSTEMS (E):

X OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS. OPTION 2: SHALL COMPLY WITH THE APPLICABLE HCAI (OSHPD) PRE-APPROVAL (OPM #) # , AS INCLUDED IN THESE DRAWINGS WITH PROJECT-SPECIFIC NOTES AND

DO NOT MIX SEISMIC BRACING DETAILS FROM DIFFERENT OPM'S UNLESS SPECIFICALLY SHOWN ON DRAWINGS AND APPROVED BY ENGINEERING.

### **DEMOLITION NOTES**

- REFER TO MECHANICAL/PLUMBING DRAWINGS FOR DEMOLITION OF EQUIPMENT AND DEVICES. DISCONNECT AND REMOVE ALL ELECTRICAL ITEMS INCLUDING POWER CONNECTIONS, DISCONNECTS AND CONTROLS FOR TOTAL DEMOLITION, AS INDICATED ON MECHANICAL/PLUMBING DRAWINGS. BRANCH CIRCUIT/FEEDER, CONDUITS (EXPOSED) TO EQUIPMENT SHALL BE COMPLETELY REMOVED, ALONG WITH CONDUITS BACK TO SOURCE. LABEL BREAKERS AS SPARES AT SOURCE.
- BEFORE COMMENCING DEMOLITION WORK, THE CONTRACTOR SHALL REVIEW THE COMPLETE SET OF CONSTRUCTION DOCUMENTS AND WORKING DRAWINGS AND FIELD VERIFY ALL EXISTING CONDITIONS AND ANY QUESTIONABLE WORK ASSOCIATED WITH DISCONNECTING AND/OR REMOVAL OF EXISTING FIRE ALARM DEVICES AND EQUIPMENT SHOWN FOR DEMOLITION. COORDINATE DEMOLITION WORK WITH CONSTRUCTION SCHEDULE
- CONTRACTOR SHALL NOTIFY THE DISTRICT. CONSTRUCTION MANAGER AND ENGINEER IMMEDIATELY WHEREVER REMOVAL OF EXISTING CONDUIT AND/OR EQUIPMENT WILL INTERFERE WITH EQUIPMENT THAT IS TO REMAIN OR INTERFERE WITH THE NEW EQUIPMENT INSTALLATION. IN SUCH SITUATIONS CONTRACTOR SHALL EXTEND PATHWAYS AND WIRING TO MATCH EXISTING BY TYPE & SIZE TO PROVIDE OPERABLE SYSTEM.
- . THESE DRAWINGS INDICATE EXISTING CONDITIONS WHICH WERE TAKEN FROM RECORD DRAWINGS/FIELD VISUAL VERIFICATIONS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF THESE CONDITIONS. THE CONTRACTOR SHALL VERIFY AND INVESTIGATE ALL EXISTING FIELD CONDITIONS AND EXERCISE CAUTION IN THE DEMOLITION PROCESS, AND PROMPTLY NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES ENCOUNTERED.
- EXISTING DEVICES AND EQUIPMENT NOT INDICATED TO BE REMOVED OR ABANDONED ARE TO REMAIN IN USE, PER PROVISIONS OF CFC SECTION 104.7.1. EXCEPT FOR SHORT DESIGNATED INTERVALS DURING WHICH CONNECTIONS ARE MADE, SHUT-DOWN TIME OF THE EXISTING ELECTRICAL EQUIPMENT SHALL BE AT A TIME CONVENIENT AND AGREEABLE TO THE DISTRICT, EXISTING EQUIPMENT REMOVED FOR PROTECTION SHALL BE PLACED BACK TO ITS ORIGINAL LOCATION EXISTING FOUIPMENT DAMAGED DURING THE PROCESS SHALL BE REPAIRED AND/OR REPLACED AS REQUIRED TO MAINTAIN A COMPLETE AND OPERABLE SYSTEM. NO ADDITIONAL CHARGES WILL BE ALLOWED FOR REPAIRING, REPLACING AND/OR RECONNECTING THE EXISTING SYSTEM DISTURBED DURING CONSTRUCTION.
- 6. UNLESS OTHERWISE NOTED, DISCONNECT AND REMOVE ALL DEVICES ASSOCIATED WITH THE EXISTING EQUIPMENT BEING REMOVED.
- THE CONTRACTOR, ACCOMPANIED BY THE DISTRICT, SHALL TAKE INVENTORY OF THE EXISTING MATERIAL AND EQUIPMENT. ALL MATERIAL AND EQUIPMENT WHICH ARE SELECTED BY THE DISTRICT FOR SALVAGE SHALL REMAIN THE PROPERTY OF THE DISTRICT. THE CONTRACTOR SHALL DELIVER SUCH SALVAGED EQUIPMENT AND MATERIAL TO THE LOCATION(S) CHOSEN BY THE DISTRICT. THE EQUIPMENT AND DEVICES SHALL BE NEATLY PILED, STORED AND PROTECTED FROM DAMAGE. ALL MATERIAL AND EQUIPMENT NOT SELECTED BY THE DISTRICT SHALL BECOME PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM PREMISES, AND DISPOSED OF
- 8. COORDINATE ALL DEMOLITION WITH THE NEW REQUIREMENTS TO ASSURE THAT NEW INSTALLED SYSTEM IS COMPLETE AND OPERABLE.
- D. CAREFULLY PROTECT ALL EXISTING WALLS, TRIM, FLOORS, EQUIPMENT, UTILITY LINES AND MATERIALS. WHEN WORKING ON FINISHED SURFACES LIMIT DAMAGE TO THE CONFINED SPACE AND RESTORE TO ORIGINAL CONDITION.
- 10. PROVIDE ALL PATCHING, PAINTING AND FINISHES, FOR ALL DEVICES LOCATED IN EXISTING AREAS TO RESTORE TO ORIGINAL CONDITIONS AND MUST BE APPROVED AND COORDINATED WITH THE DISTRICT. THE CONTRACTOR SHALL REPAIR AND/OR REPAINT ALL AREAS DAMAGED BY DEMOLITION OR CONSTRUCTION AND FINISH TO MATCH EXISTING ADJACENT SURFACES.
- 11. EXISTING CONDITIONS SHALL BE DOCUMENTED WITH DIGITAL PHOTOGRAPHY PRIOR TO START OF WORK AND DELIVERED TO DISTRICT.
- 12. PRIOR APPROVAL MUST BE OBTAINED FROM THE ENGINEER BEFORE NOTCHING, CORING AND/OR CUTTING OF EXISTING STRUCTURE IS DONE.
- 13. CONTRACTOR TO PROTECT ALL FIRE ALARM & ASSOCIATED CONDUIT & WIRING IN THE WAY OF SCOPE OF NEW WORK.
- 14. CONTRACTOR TO DISPOSE OF ALL REMOVED DEVICES AND EQUIPMENT.
- 15. PROVIDE BLANK COVER PLATES TO REMOVED DEVICES. COLOR WHITE OR AS SELECTED BY DISTRICT. TYPICAL U.O.N.
- 16. ALL REMOVED EQUIPMENT SHALL BE DISPOSED OF BY CONTRACTOR UNLESS OTHERWISE SALVAGED AS DIRECTED BY DISTRICT.
- 17. ALL EXISTING FIRE ALARM/PA/INTERCOM/PAGING/TELEPHONE/CLOCK/TV DEVICES AND CONTROL PANEL(S) AND RELATED EQUIPMENT SHALL BE PROTECTED. INCLUDING ALL CONDUIT (UNDERGROUND TO REMAIN - LABELED AT EACH LOCATION INCLUDING PULL BOXES & PROVIDE PULL STRINGS WITH ID TAGS), WIRING, DEVICES.
- 18. EXISTING INTRUSION/EMS/AUTONOMOUS PA/LIGHTING CONTROLS SYSTEM SHALL REMAIN AS IS UNLESS OTHERWISE NOTED.
- 19. FIRE SAFETY DURING CONSTRUCTION SHALL BE IN COMPLIANCE WITH CFC 2022, CHAPTER 9, 11 AND 33 & CBC 2022, CHAPTER 33. EXISTING FIRE ALARM SYSTEM SHALL BE MAINTAINED IN SERVICE. UNIMPAIRED, AT ALL TIMES UNTIL NEW FIRE ALARM HAS BEEN INSTALLED AND TESTED. UNLESS FIRE WATCH IS PROVIDED. ALL FIRE WATCH REQUIRED MUST BE PROVIDED BY CONTRACTOR AND TO BE COORDINATED WITH DISTRICT DURING CONSTRUCTION
- PROVIDE FIRE WATCH UNTIL THE NEW SYSTEM IS IN OPERATION AND APPROVED BY LOCAL FIRE AUTHORITY, AND DISTRICT. PROVIDE FIRE WATCH PER CFC 901.7 SYSTEM OUT OF SERVICE. REFER TO SPECIFICATION SECTION 28 31 00B ATTACHMENT B FOR CSFM FIRE WATCH GUIDE LINE.

#### LIST OF CALIFORNIA CODE OF REGULATIONS (C.C.R.)

APPLICABLE CODES AS OF JANUARY 1, 2023

- TITLE 24 C.C.R., PART1 2022 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE. TITLE 24 C.C.R., PART2 2022 CALIFORNIA BUILDING CODE (CBC)
- 21 INTERNATIONAL BUILDING CODE OF THE INTERNATIONAL CODE COUNCIL, WITH CALIFORNIA AMENDMENTS) TITLE 24 C.C.R., PART3 2022 CALIFORNIA ELECTRICAL CODE (CEC)
- (2020 NATIONAL ELECTRICAL CODE OF THE NATIONAL FIRE PROTECTION ASSOCIATION, NFPA) TITLE 24 C.C.R., PART4 2022 CALIFORNIA MECHANICAL CODE (CMC)
- 1 UNIFORM MECHANICAL CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS, IAPMO) TITLE 24 C.C.R., PART5 2022 CALIFORNIA PLUMBING CODE (CPC) (2021 UNIFORM PLUMBING CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS, IAPMO) TITLE 24 C.C.R., PART6 2022 CALIFORNIA ENERGY CODE
- TITLE 24 C.C.R., PART9 2022 CALIFORNIA FIRE CODE (CFC)
- (2021 INTERNATIONAL FIRE CODE OF THE INTERNATIONAL CODE COUNCIL)
- TITLE 24 C.C.R., PART10 2022 CALIFORNIA EXISTING BUILDING CODE (2021 INTERNATIONAL EXISTING BUILDING CODE OF THE INTERNATIONAL CODE COUNCIL, WITH AMENDMENTS)
- TITLE 24 C.C.R., PART11
   2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN CODE)

   TITLE 24 C.C.R., PART12
   2022 CALIFORNIA REFERENCED STANDARDS CODE

   TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.

# PARTIAL LIST OF APPLICABLE STANDARDS

- NFPA 70
   NATIONAL ELECTRICAL CODE

   NFPA 72
   NATIONAL FIRE ALARM AND SIGNALING CODE (CA AMENDED)
   2021 EDITION 2022 EDITION NFPA 90A INSTALLATION OF AIR CONDITIONING AND VENTILATING SYSTEMS NFPA 101 LIFE SAFETY CODE - SAFETY TO LIFE FROM FIRE IN BUILDINGS AND STRUCTURES 2021 EDITION 2021 EDITION AUDIBLE SIGNALING DEVICES FOR FIRE ALARM AND SIGNALING SYSTEMS, INCLUDING ACCESSORIES STANDARD FOR HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS 2016 EDITION UL 521 1999 (R2021) STANDARD FOR SIGNALING DEVICES FOR THE HEARING IMPAIRED 2002 (R2018)
- FOR A COMPLETE LIST OF APPLICABLE NFPA STANDARDS REFER TO 2022 CBC (SFM) CHAPTER 35 AND CALIFORNIA FIRE CODE CHAPTER 80. SEE CALIFORNIA BUILDING CODE CHAPTER 35 FOR STATE OF CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS.
  - **ABBREVIATION**
- ABOVE FINISH FLOOR BLDG - BUILDING CONTRACTOR FURNISHED - CONTRACTOR INSTALLED
- CONDUIT ONLY. - DISTRIBUTION PANEL - EMERGENCY. EM
- EXHAUST FAN EXISTING.
- EXISTING DEVICE TO BE REPLACED - FIRE ALARM. - GROUND. - HORSEPOWER RATING. GND HP
- J-BOX JUNCTION BOX. KA KILO AMPERES.
- KW - KILOWATT - KILO-VOLT AMPS.
- LIGHTING CONTROL PANEL - LIGHTING. LTG
- LUGS ONLY. LOW VOLTAGE. - MOUNTING HEIGHT
- (TO BOTTOM OF FIXTURE)

MLO

OFOI

TTB TYP

- MAIN LUGS ONLY

- NOT IN CONTRACT

- TELEPHONE - TELEPHONE TERMINAL BOARD.

- WEATHERPROOF CONSTRUCTION.

EXTEND THE CONDUIT AS REQUIRED

(+)X'-Y" - MOUNTING HEIGHT (TO CENTER OF DEVICE)

TYP - TYPICAL. UON - UNLESS OTHERWISE NOTED.

- VOLTS.

- OWNER FURNISHED - CONTRACTOR INSTALLED - OWNER FURNISHED - OWNER INSTALLED

- PANEL BOARD - RELOCATE AND REINSTALL THE SALVAGED (XR) ITEM AT THE

NEW LOCATION (R) SHOWN ON THE DRAWINGS. PROVIDE NEW

DEVICE BOX AND EXTEND THE CONDUIT AS REQUIRED.

 XFMR
 - TRANSFORMER

 (X)
 - DISCONNECT AND REMOVE EXISTING DEVICES/EQUIPMENT

PROVIDE STAINLESS STEEL BLANK COVERS. - REMOVE THE EXISTING, SALVAGE, PROTECT ITEM DURING

RELOCATION, AND REINSTALL IT AT THE NEW LOCATION (R) SHOWN ON THE DRAWINGS. PROVIDE NEW DEVICE BOX AND

- NOT TO SCALE.

- NEW

E00

E0

E110

E111

E211

E221

E101 ELECTRICAL SITE PLAN

E121 ELECTRICAL FIRST FLOOR PLAN

ELECTRICAL BASEMENT FLOOR PLAN

ELECTRICAL DEMO FIRST FLOOR PLAN

ELECTRICAL DEMO FIRST FLOOR LIGHTING PLAN

ELECTRICAL FIRST FLOOR LIGHTING PLAN

E222 ELECTRICAL SECOND FLOOR LIGHTING PLAN

- NTS

	ELECTRICAL S	YME	SOLS LIST	
	<ul> <li>NOTE: - SYMBOLS REPRESENT EQUIPMENT AND OUTLET TO FIXTURES AND DEVICES.</li> <li>- NOT ALL SYMBOLS APPLY TO THIS PROJECT; DIS - MOUNTING HEIGHTS IN SYMBOL LIST APPLY UNIT</li> </ul>	T BOXES TO SREGARD TH	WHICH CONDUIT AND WIRE IS RUN FOR CONNECTION HOSE NOT USED ON PLANS AND IN DETAILS. WISE NOTED ON DRAWINGS.	
	ELECTRICAL WALL MOUNTED PANEL (+60" AFF), SEE SCH ELECTRICAL FLUSH MOUNTED PANEL (+60" AFF), SEE SC DISCONNECT SWITCH, MANUAL EXO, H.P. RATED (FUSEI	HEDULE. CHEDULE. D TO AMPER	E RATING SHOWN)	
' 0 0	WEATHER PROOF, HEAVY DUTY PAD LOCKABLE IN ON P JUNCTION BOX, WITH COVER (4S" SQUARE, DEEP, WITH DUPLEX RECEPTACLE, "DECORA" STYLE FLUSH IN WALL (20A, 120V, STAINLESS STEEL ENGRAVED COVER PLATE	POSITION.   PLASTER RI L, GROUNDIN E)	NG) IG TYPE +18"AFF (UON)	
€	DUPLEX CONTROLLED RECEPTACLE, MARKED WITH THE "CONTROLLED", "DECORA" STYLE FLUSH IN WALL, GROU COVER PLATE) DOUBLE DUPLEX RECEPTACLE, "DECORA" STYLE FLUSH (20A. 120V. STAINLESS STEEL ENGRAVED COVER PLATE	E CONTROLL UNDING TYPI H IN WALL, G	ED CONTROLLED RECEPTACLE SYMBOL AND THE WORD E +18"AFF (20A, 120V, STAINLESS STEEL ENGRAVED ROUNDING TYPE +18"AFF (UON)	
≣	DUPLEX RECEPTACLE WITH GROUND FAULT INTERRUPT (20A, 120V, 3W, STAINLESS STEEL ENGRAVED COVER PL SPECIAL RECEPTACLE, WALL MOUNTED, +18"AFE (UON)	, TER, "DECOF LATE)	RA" STYLE FLUSH IN WALL	
S,	(STAINLESS STEEL ENGRAVED COVER PLATE) SWITCH, WALL MOUNTED, "DECORA", SINGLE-POLE S.T., (SUBSCRIPT DENOTES UNIT CONTROLLED, STAINLESS S SWITCH, MOTOR RATED, S.P.S.T.	, +42"AFF STEEL ENGR	AVED COVER PLATE)	
S <sub>m</sub> S <sub>a</sub> <sup>D</sup> S <sub>RGB</sub> S <sub>ab</sub>	STAINLESS STEEL ENGRAVED COVER PLATE LOW VOLTAGE DIMMER SWITCH, ACUITY nLIGHT # nPOD COLOR CHANGING DMX CONTROL FOR TYPE F1 FIXTURI 2-ZONE LOW VOLTAGE DIMMER SWITCH, ACUITY nLIGHT	0M Dx, WALL ES. SEE FIXT T # nPODM 2F	MOUNTED, +42"AFF TURE SCHEDULE P Dx, WALL MOUNTED, +42"AFF	
S <sup>⊥v</sup> R	2-ZONE LOW VOLTAGE SWITCH, ACUITY nLIGHT # nPODN	M 2P, WALL N PP16.	IOUNTED, +42"AFF	
	LOW VOLTAGE RELAY FOR PLUG LOAD, ACUITY INLIGHT #	#nPP16 PL 12 NG, ACUITY n GY, ACUITY i	24. LIGHT #nPP16 D. nLIGHT #nCM PDT 9.	
	WIREMOLD 5500 SERIES (3) COMPARTMENT NON METAL COMPLETE WITH ALL ACCESSORIES, RISERS TO 6" ABO' COVER PLATES, WIRING. SECURE WIRE MOLD ON WALL NOT PERMITTED. FROM WALL MOUNTED WIREMOLD #54 A. CIRCUITING TO DESIGNATED PANEL FOR POWE	LIC WALL MO VE ACCESSII WITH SCREY 400 SERIES B ER OUTLETS	DUNTED +18" A.F.F. BLE CEILING SPACE, INSERTS AND DEVICES, DEVICE WS. ADHESIVE SYSTEMS OF SECURING TO WALL IS ISER PROVIDE THE FOLLOWING: SHOWN.	
×	WIREMOLD RISER +6" ABOVE ACCESSIBLE CEILING SPACE SECURE WIRE MOLD ON WALL WITH SCREWS. ADHESIVE	CE, INSERTS	AND DEVICES, DEVICE COVER PLATES, WIRING. OF SECURING TO WALL IS NOT PERMITTED.	
	IDF (DATA SWITCH WITH PATCH PANEL CABINET) DATA OUTLET, WALL MOUNTED WITH 1"C & SPECIFIED N ON RJ-45 JACK AT THE FACEPLATE, AND ON RJ-45 PATC NOTED., +18" AFF U.O.N. DATA OUTLET, CEILING MOUNTED WITH 1"C & SPECIFIE! TERMINATED ON RJ-45 JACK AT THE FACEPLATE, AND O	NUMBER OF ( CH PANELS IN D NUMBER ( DN RJ-45 PAT	CABLES (1D = 1 DATA), CAT6A UTP CABLE TERMINATED THE IDF CABINET U.O.N. (1)DATA UNLESS OTHERWISE OF CABLES (1D = 1 DATA), CAT6A UTP CABLE CH PANELS IN THE IDF. U.O.N. (1) DATA U.O.N	
<b>&gt;</b>	WIRELESS ACCESS POINT (WAP) WITH 1"C (2) CAT6A UTF RJ-45 PATCH PANELS IN THE IDF. U.O.N.	P CABLE TEF	MINATED ON RJ-45 JACK AT THE FACEPLATE, AND ON	
TV	TELEVISION WITH 1"C SPECIFIED NUMBER OF CABLES (1 THE FACEPLATE, AND ON RJ-45 PATCH PANELS IN THE II SECURITY CABINET FOR ACCESS CONTROL SYSTEM WI	1D = 1 DATA) DF, +72" AFF	CAT6A UTP CABLE TERMINATED ON RJ-45 JACK AT U.O.N. SUPPLY	
	AV CAMERA. PROVIDE CAT6A FROM IDF TO SECURITY C. PROXIMITY CARD READER, WALL MOUNTED DOOR/WINDOW POSITION CONTACT SENSOR SWITCH ELECTRIFIED DOOR LOCK HARDWARE, INCLUDING BUIL <sup>*</sup> DEDICATED POWER SUPPLY UNIT	CAMERAS. T-IN REX/RTI	E MICRO-SWITCH, WIRE-PASS-THRU HINGE OR OTHER	
	MOTION DETECTOR, DOME STYLE, CEILING MOUNTED EXISTING ACCESS CEILING PANEL			
 °	CONDUIT FOR CIRCUIT	FOR FUTUR	E REMOVAL)	
	CONDUIT CONCEALED OR UNDERGROUND BRANCH CIRCUIT WITH GREEN INSOLATED GROUND CON 3/4" CONDUIT WITH 2#12 WIRES AND 1#12 GND.	NDUCTOR, SA	AME SIZE WIRE	
 	3/4" CONDUIT WITH 3#12 WIRES AND 1#12 GND. 3/4" CONDUIT WITH 4#12 WIRES AND 1#12 GND. 3/4" CONDUIT WITH 5#12 WIRES AND 1#12 GND. 3/4" CONDUIT WITH 6#12 WIRES AND 1#12 GND.	L WIRING TO	9 BE CU. THHN INSULATION & GROUND 22 CONCEALED IN WALL OR CEILING	_
#10	NUMBER INDICATES GAUGE OF WIRE IN CODE SIZED CON CONDUIT-ONLY WITH #12 TW COPPER PULL-WIRE (3/4" MI	NDUIT. INIMUM SIZE		LIST
	GROUND CONNECTION WITH ACCESSIBLE CLAMP (TO CO STUB CONDUIT		PIPE OR DRIVEN GROUND ROD)	STC
°	CONDUIT DROPPING DOWN FROM RUN (IF CONDUIT IS USED, KEI	SED, KEEP C	CCESSIBLE)	MB
1A A 1.0	GENERAL SYMBOLS NUMBERED NOTE FOR SHEET WHERE SHOWN DETAIL DESIGNATION FOR ITEM & DRAWING NUMBER			ID SY
	SHFFT		EX	AN
)1	ELECTRICAL NOTES AND SYMBOL LIST			LES
11	ELECTRICAL SINGLE LINE DIAGRAM			
31	ELECTRICAL PANEL SCHEDULES	E401 E402	ELECTRICAL DETAILS ELECTRICAL DETAILS	, AL









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TOTAL 12 SHEETS





EXISTING SERVICE CAPACITY HAVE BEEN VERIFIED AND ADEQUATE TO SERVE NEW SCOPE



DA.	'Е:			23-Apr-25				PANEL	VOLTAG	E:		208/120\	/	CIRCL	JIT CODE	: 1=(CONTINUOUS)				
LO	OITAC	N	Base	ment Electrical Room - Surface Mo	unted			PHASE	& WIRE:			3PH, 4W	1			2=(NON-CONTINUOUS)				
PA	NEL:			(E) M3				COPPE	R BUS:			800				3=(RECEPTACLES)				
AIC	RATIN	IG:		42KAIC				MAINS	CB:			MCB					_			
	скт	c	в	LOAD DESIGNAT	ION			LOAD		PHASES		LOAD			LOAD	DESIGNATION	c	в	СК	.T
NO.	CODE	TRIP	POLE	DESCRIPTION	MISC	REC	LITE	VA	A	в	с	VA	LITE	REC	MISC	DESCRIPTION	POLE	TRIP	CODE	NO.
1	1	125	3	AHU-5	1			8400	42000			33600			1	CH-5	3	400	1	2
3	1	-	-	-	1			8400		42000		33600			1	-	-	-	1	4
5	1	-	-	-	1			8400			42000	33600			1	-	-	-	1	6
7		45	3	SPARE					6635			6635			2	PANEL "RR"	3	100	2	8
9		-	-	-						5775		5775			2	-	-		2	10
11		-	-	-							3992	3992			2	-	-		2	12
13	2	20	1	AHU RECPT AND LTS		1	3	249	249						2	SPARE	3	100		14
15	3	20	1	HEAT PUMP OUTLET & CNTRL		1		180		180					2	-	-			16
17	2	225	3	PANEL "STG"	2			18931			18931				2	-	-			18
19	2	-	-	-	2			19716	19716						2	SPARE	3	100		20
21	2	-	-	-	2			18501		18501					2	-	-			22
23		100	3	SPARE							0				2	-	-			24
25		-	-	-					0							SPARE	1	20		26
27		-	-	-						0						SPARE	1	20		28
29		20	1	SPARE							0					SPARE	1	20		30
31		20	1	SPARE					13365			13365			1	(N) PANEL "STGB"	3	*225	2	32
33		20	1	SPARE						16243		16243				-	-	-	2	34
35		20	1	SPARE							10315	10315				-	-	-	2	36
								TOTAL	81964	82698	75237	CONNEG	CTED K	VA		239.9				
	SQ-D	I-LINE	TYPE	"HCP"								CONN.K	VA (CC	DDE 1)		126.0				
	NOTE:	*PRO	VIDE I	NEW CIRCUIT BREAKER TO MAT	СНЕХ	STING	BY MA	NUFACT	URER, T	YPE AND	AIC	CONN.K		DDE 2)		113.7				
		RATIN	IGS (2	25A/3P QG)								CONNK		DF 3)		0.2				
												EEEDER			A	271 4				
																2/ 1.4				

DA	TE:			23-Apr-25				PANEL	VOLTAG	E:		208/120\	/	CIRCL	лт со	DE: 1=(CONTINUOUS)				
LO	CATION	1		Projection Booth - Surface Mounted	ł			PHASE	& WIRE:	:		3PH, 4W	/			2=(NON-CONTINUOUS)				
PA	NEL:			(E) PRB				COPPE	R BUS:			100A				3=(RECEPTACLES)				
AIC	RATIN	IG:		10KAIC				MAINS	CB:			MLO								
	скт	c	в	LOAD DESIGNAT	ION			LOAD		PHASES		LOAD			LO	D DESIGNATION	c	B	СК	Г
NO	CODE	TRIP	POLE	DESCRIPTION	MISC	REC	LITE	VA	A	В	С	VA	LITE	REC	MISC	DESCRIPTION	POLE	TRIP	CODE	NC
1	3	20	1	EXISTING*				500	1620			1120	112			(E) COVE LIGHTING	1	20	1	2
3	3	20	1	EXISTING*				500		1620		1120	112			(E) COVE LIGHTING	1	20	1	4
5	3	20	1	EXISTING*				500			707	207	3			(E) FRONT OF STAGE DOWNLTS	1	20	1	6
7	3	20	1	EXISTING*				500	570.8			70.8	2			(E) PROJ BOOTH LTG	1	20	1	8
9	3	20	1	EXISTING*				500		1040		540		3		(E) WIREMOLD RECEPTS	1	20	3	10
11	3	20	1	EXISTING*				500			680	180				(E) WIREMOLD RECEPTS	1	20	3	12
13	3	20	1	EXISTING*				500	1050			550		2		(E) LINEAR ARRAY SPEAKERS	1	20	2	14
15	3	40	1	EXISTING*				500		1050		550		2		(E) LINEAR ARRAY SPEAKERS	1	20	2	16
17	3	20	1	EXISTING*				500			500					SPARE	1	20		18
19	2	30	2	(E)HP-3 (HEAT PUMP) & FC-31	1			1580	1580							SPARE	1	20		20
21	2	-	1	-	1			1580		1580						SPARE	1	20		22
23	2	20	1	(E)FC-41 & 42 & WP RECEP	2			240			240					SPARE	1	20		24
25	2	20	1	(E)A/V RACK	1			1000	2200			1200		1		(E) PROJECTOR	1	20	2	26
27		20	1	SPARE						0						SPARE	1	20		28
29		20	1	SPARE							0					SPARE	1	20		30
								TOTAL	7020.8	5290	2127	CONNE	CTED P	(VA		14.4				
	NOTE:	*PRO	VIDE I	NEW CIRCUIT BREAKER TO MATC	CHEXIS	sting e	BY MAI	NUFACT	URER, T	YPE AND	AIC	CONN.	VA (C	DDE 1)		2.5				
		RATIN	IGS									CONN.	VA (C	DDE 2)		6.7				
		IDEN	ΓIFY Α	LL EXISTING ELECTRICAL LOADS		JPDATE			CTORY C	ARDS		CONN		ODE 3)		5.2				
		ACCC	RDIN	GLY. LABEL ALL UNUSED BRANC	H BRE	AKERS	S AS "S	SPARE".				EEEDER			/^	15.1				
												FEEDER				10.1 /1 8				
1												I. LEDEL	CLAP			41.0				

FEED FROM MAIN SWITCH BOARD "MSB"

FEED FROM MAIN SWITCH BOARD "MSB"

DA	TE:			April 23, 2025				PANEL	VOLTA	GE:		208/120	/	CIRCU	лт со	DE: 1=(CONTINUOUS)				
LO	сатіоі	N		1ST FLOOR				PHASE	& WIRE	:		3PH, 4V	V			2=(NON-CONTINUOUS)				
PA	NEL:			В				COPPE	R BUS:			225A				3=(RECEPTACLES)				
AIC	RATIN	IG:		10KAIC				MAINS	CB:			MLO				FLUSH MOUNTED				
	скт	0	зв	LOAD DESIGNAT	ION			LOAD		PHASES		LOAD			LO	AD DESIGNATION	c	в	СК	J
NO	. CODE	TRIP	POLE	DESCRIPTION	MISC	REC	LITE	VA	Α	В	С	VA	LITE	REC	MISC	DESCRIPTION	POLE	TRIP	CODE	
1		20	1	EXISTING					0							(E) LIGHT SOUTH HALL	1	20		2
3		20	1	(E) LIGHT DINING ROOM						0						(E) LIGHT EAST HALL	1	20		4
5		20	1	(E) LIGHT DINING ROOM							0					(E) LIGHT CAFETERIA SUPERVISOR	1	20		6
7		20	1	(E) RECEPT. INSURANCE DEPT.					0							(E) LIGHT CAFETERIA SUPERVISOR	1	20		8
9		20	1	(E) RECEPT. INSURANCE DEPT.						0						(E) NIGHT LIGHT	1	20		10
11		20	1	(E) EMERG. EXIT LIGHT							0					(E) EXT. LIGHT	1	20		1:
13		20	1	(E) RECEPT. MECH. ROOM					0							EXISTING	1	20		14
15		20	1	(E) RECEPT. CAFE SUPERVISOR						0						(E) LIGHT KITCHEN	1	20		16
17		15	1	(E) RECEPT. MECH. ROOM							0					SPARE	1	15		18
19		20	1	(E) FLR RECEPT BOARD ROOM					0							(E) LIGHT BOARD ROOM	1	20		20
21		20	1	(E) FLR RECEPT BOARD ROOM						0						(E) LIGHT BOARD ROOM	1	20		22
23		20	1	(E) IDF2							0					(E) LIGHT ART ROOM	1	20		24
25		20	1	(E) RECEPT. BOARD ROOM					0							EXISTING	1	20		26
27		20	1	(E) FLR RECEPT BOARD ROOM						0						(E) XEROX PRINT SHOP	1	20		28
29		20	1	(E) RECEPT. ART ROOM							0					(E) XEROX PRINT SHOP	1	20		30
31		20	1	(E)VENDING MACHINE					0							(E) XEROX PRINT SHOP	1	20		32
33				SPACE						0						SPACE				34
35				SPACE							0					SPACE				36
37				SPACE					0							PANEL "J"	3	100	1	38
39				SPACE						0						-	3	100	1	40
41				SPACE							0					-	3	100	1	42
								TOTAL	0	0	0	CONNE	CTED I	KVA		0.0				
	NOTE	*PRO	VIDE	NEW CIRCUIT BREAKER TO MATC	CHEXIS	STING E	BY MAI	NUFACTI	URER, T	YPE AND	AIC	CONN.	VA (C	ODE 1)	1	0.0				
		RATI	165									CONN.	KVA (C	ODE 2)	1	0.0				
		IDEN.	TIFY A	LL EXISTING ELECTRICAL LOADS	ANDU	JPDATE			TORY C	CARDS		CONN.	KVA (C	ODE 3)		0.0				
		ACCO	ORDIN	GLY. LABEL ALL UNUSED BRANC	H BRE	AKERS	S AS "S	SPARE".				FEEDE	r dem/	AND K\	/A	0.0				
	FEED	FROM	1 MAIN	SWITCH BOARD "MSB"								FEEDE	R DEM/	AND AM	<b>I</b> PS	0.0				

DAT	E:			23-Apr-25				PANEL	VOLTAG	E:		208/120\	/	CIRCL		DE: 1=(CONTINUOUS)				
LOC		1		Auditorium Stage - Surface Mounted	t			PHASE	& WIRE			3PH, 4W	/			2=(NON-CONTINUOUS)				
PA	NEL:			(E) STG				COPPE	R BUS:			225 <b>A</b>				3=(RECEPTACLES)				
AIC	RATIN	IG:		10KAIC				MAINS	CB:			MLO								
(	кт	С	в	LOAD DESIGNAT	ION			LOAD		PHASES		LOAD			LOA	D DESIGNATION	c	в	СК	т
NO.	CODE	TRIP	POLE	DESCRIPTION	MISC	REC	LITE	VA	A	в	с	VA	LITE	REC	MISC	DESCRIPTION	POLE	TRIP	CODE	NO.
1	2	20	1	(E) RECEPT - STAGE		2		360	560			200			1	(E) EMERGENCY RELAY PANEL	1	20	2	2
3	2	20	1	(E) RECEPT - STAGE		2		360		1960		1600	550		1	(E) INVERTER	1	20	2	4
5	2	20	1	(E) RECEPT - STAGE		1		180			540	360		2		(E) FRONT OF STAGE RECEPT	1	20	3	6
7	2	20	1	(E) A/V RACK		2		1200	1740			540		3		(E) FRONT OF STAGE RECEPT	1	20	3	8
9	2	20	1	(E) CONV RECEPT		2		800		980		180		1		(E) FRONT OF STAGE RECEPT	1	20	3	10
11	3	20	1	(E) LIGHTING NETWORK RACK		1		800			1160	360		3		(E) FRONT OF STAGE RECEPT	1	20	3	12
13	3	20	1	(E) CONV RECEPT		1		180	540			360		2		(E) RECEPT - BACK OF STAGE	1	20	3	14
15	2	20	1	(E) MOTORIZED SCREEN		1		900		1260		360		2		(E) RECEPT - BACK OF STAGE	1	20	3	16
17	1	20	1	(E) LINEAR ARRAY SPEAKERS	1			1000			1360	360		2		(E) RECEPT - BACK OF STAGE	1	20	3	18
19	1	20	1	(E) LINEAR ARRAY SPEAKERS	1			1000	1000							SPARE	1	20		20
21		20	1	SPARE						0						SPARE	1	20	_	22
23		20	1	SPARE							0					SPARE	1	20	_	24
25		20	1	SPARE					0							SPARE	1	20		26
27		20	1	SPARE						0						SPARE	1	20		28
29		20	1	SPARE							0					SPARE	1	20		30
31		20	1	SPARE					6004.4			6004			1	Power Distribution Carts	3	*100	3	32
33		20	1	SPARE						6004.4		6004				-	-	-	3	34
35		20	1	SPARE							6004.4	6004				-	-	-	3	36
37	1	100	3	(E) DIMMING PANEL (ETC)				3082	9086.4			6004			1	Power Distribution Carts	3	100	3	38
39	1	-	-	-				3507		9511.4		6004				-	-	-	3	40
41	1	-	-	-				3432			9436.4	6004				-	-	-	3	42
								TOTAL	18931	19716	18501	CONNE	CTED	KVA		57.1				
	NOTE:	*PRO	VIDE I	NEW CIRCUIT BREAKER TO MATC	CH EXIS	iting e	BY MAI	NUFACT	URER, T	YPE AND	AIC	CONN.	VA (C	ODE 1)		12.0				
		RATIN	IGS									CONN.	VA (C	ODE 2)		5.6				
		IDENT	TIFY A	LL EXISTING ELECTRICAL LOADS	AND U	IPDATE			CTORY C	ARDS		CONN.	(VA (C	ODE 3)		39.5				
		ACCC	RDIN	GLY. LABEL ALL UNUSED BRANC	H BREA	AKERS	3 AS "S	SPARE".				FEEDEF			/Α	45.4				

FEEDER DEMAND AMPS

126.0

								PANEL V	<b>NAM</b> oltage: BUS:	I <b>E:</b> 120/2	<b>(E) D</b> 08∨ 3F	<b>im</b> 9, 200a n	Лах							
6	ODE	TRIP	POLE	Load Description	Fix Load	Fix Qty	Zone	LOAD VA	Load Ø A	Load Ø B	Load Ø C	LOAD VA	Zone	Fix Qty	Fix Load	Load Description	POLE	TRIP	CODE	Ckt#
	1	20	1	Box Boom HR - Outlet 1	147	3			882					3	147	Box Boom HR - Outlet 1	1	20	1	2
	1	20	1	Box Boom HL - Outlet 1	147	3				882				3	147	Box Boom HL - Outlet 2	1	20	1	4
	1	20	1	FOH Stage Electric - Outlet 1	147	8					2352			8	147	FOH Stage Electric - Outlet	1	20	1	6
	1	20	1	Stage Electric #1 - Outlet 1	90	6			1080					6	90	Stage Electric #1 - Outlet 2	1	20	1	8
	1	20	1	Stage Electric #2 - Outlet 1	90	6				1080				6	90	Stage Electric #2 - Outlet 2	1	20	1	10
	1	20	1	Stage Electric #3 - Outlet 1	90	6					1080			6	90	Stage Electric #3 - Outlet 2	1	20	1	12
		20	1	SPARE					1120					112	10	(E) Cove Lighting (DMX)	1	20	1	14
	1	20	1	(E) Cove Lighting (DMX)	10	112				1120						SPARE	1	20		16
	1	20	1	CANTO ASTRO 600 at Booth	630	2					2520			2	630	CANTO ASTRO 600 at Booth	1	20	1	18
		20	1	SPARE					0							SPARE	1	20		20
		20	1	SPARE						0						SPARE	1	20		22
		20	1	SPARE							0					SPARE	1	20		24
				Subtotals (both sides)					3082	3082	5952			-						
				Subtotals (both sides) Connected Load					3082	3082	5952									

				:) <b>divi</b> j		AT F	ANEL		-			
Relay	Load Description	Fix	Fix	CIPC	LOAD	Load	LOAD	CIPC	Fix	Fix	Load Description	Relay
#	Load Description	Load	Qty		VA	LUau	VA	CIRC	Qty	Load	Eoad Description	#
1	AISLE LTG(SWITCHED)	0.33	251	INV-1		170.28		INV-2	265	0.33	AISLE LIGHTING(SWITCHED)	2
3	SPARE					140		INV-4	4	35	MAIN STAGE(0-10V)	4
5	AUDIENCE DN LTG(0-10V)	48	6	INV-5		288					SPARE	6
7	SPARE										SPARE	8
					Total	598.28						

			<u> (13</u>			AIFA			2			
Relay	Load Description	Fix	Fix	CIPC	LOAD	Load	LOAD	CIPC	Fix	Fix	Load Description	Relay
#	Load Description	Load	Qty		VA	LUau	VA		Qty	Load	Load Description	#
1	STG RT CORR LTG(0-10V)	35	2	INV-3a		140		INV-3c	2	35	STG LT LTG(0-10V)	2
3	STG RT LTG(0-10V)	35	2	INV-3b		140		INV-3d	2	35	STG LT CORR LTG(0-10V)	4
5	SPARE			ľ		0					SPARE	6
7	SPARE										SPARE	8
					Total	280						
							-					

#### FEED FROM DISTRIBUTION PANEL "M3"

:			23-Apr-25				PANEL	VOLTAG	iE:		208/120\	/	CIRCU		DE: 1=(CONTINUOUS)				
	l I		Auditorium Stage - Surface Mounted	b			PHASE	& WIRE:			3PH, 4W	V			2=(NON-CONTINUOUS)				
EL:			(N) STGB				COPPE	R BUS:			225A				3=(RECEPTACLES)				
RATIN	G:		10KAIC				MAINS	CB:			MLO								
кт	с	в	LOAD DESIGNAT	ION			LOAD		PHASES	;	LOAD			LOA	D DESIGNATION	c	в	СК	т
ODE	TRIP	POLE	DESCRIPTION	MISC	REC	LITE	VA	Α	в	с	VA	LITE	REC	MISC	DESCRIPTION	POLE	TRIP	CODE	NO.
1	20	1	(E) West Office Lights - 1st Floor				750	750							SPARE	1	20	3	2
3	20	1	(E) Boom 221 2nd Eloor				750		1500		750				(E) Auditorium Cla Attic Lights	1	20	3	4
	20	1							1000	0						1	20		
2	20	1	(E) Personts small kitch 2nd Elr				750	1500		Ŭ	750				(E) Orchostra Lights	1	20	2	-
<u> </u>	20		(E) Recepts small kitch zhu Fil				750	1500	4500		750				(E) Lights Dr. 201 and Orace Dr.		20	0	
3	20						750		1500		750				(E) Lights - Rill 221 and Green Rill		20	- 3-	
	20	1	SPARE							0					SPARE		20	<u> </u>	12
3	20	1	(E) Recepts - West office wall				750	750							SPARE		20	<u> </u>	14
3	20	1	(E) Recepts - Wall of Aud.				750		750						SPARE		20	<b> </b>	16
1	20	1	(E) Green room LTG				750			750					SPARE	1	20	<u> </u>	18
	20	1	SPARE					750			750				(E) Basement Ligths and Recepts	1	20	3	20
2	20	3	Prodigy P2 - STAGE	1			600.4		2328.4		1728			2	Motor Trolley RailStar (1/3hp)	1	20	2	22
2	-	-	-				600.4			900.44	300			1	Motor Roll Down Screen	1	20	2	24
2	-	-	-				600.4	1850.4			1250			1	Roll Down LED Screen	2	20	1	26
2	20	3	Prodigy P2 - STAGE	1			600.4		1850.4		1250				(NEMA 6-20)	-	-	1	28
2	-	-	-				600.4			1850.4	1250			1	Roll Down LED Screen	2	20	1	30
2	-	-	-				600.4	1850.4			1250				(NEMA 6-20)	-	-	1	32
2	20	3	Prodigy P2 - STAGE	1			600.4		1850.4		1250			1	Roll Down LED Screen	2	20	1	34
2	-	-	-				600.4			1850 4	1250				(NEMA 6-20)	-	-	1	36
2	-	-	_				600.4	1850.4			1250			1	Roll Down LED Screen	2	20	1	38
2	20	3	Prodiav ElvPine - Seating Area	1			288.2	1000.1	1538.2		1250				(NEMA 6-20)			1	40
2	20		Thougy Try the ocalling Area	· ·			200.2		1000.2	1539.2	1250			1	Roll Down LED Screen	2	20	1	42
2	-	-	-				200.2	1529.2		1556.2	1250			-		2	20	1	42
2		-	Motorized Curtain Treak	5			405	1000.2	1675		1250			1		-	-		44
2	20			5			425		1675	4050	1250			1		2	20		40
1	20						400	4050		1650	1250					-	-		40
	20	1	SPARE					1250	1050		1250			1	Roll Down LED Screen	2	20		50
	20	1	SPARE						1250		1250				(NEMA 6-20)	<u> </u>	-	1	52
	20	1	SPARE							275	275			1	DMX Scrim Roll Drum	2	20		54
	20	1	SPARE					275			275					-	-		56
	20	1	SPARE						1000		1000			1	Equipment Control Cabinet		20		58
3	20	1	Makeup Mirror Green Rm 131A		2		500			500					SPARE	1	20	<u> </u>	60
3	20	1	Makeup Mirror Green Rm 131A		2		500	500							SPARE	1	20	<u> </u>	62
3	20	1	Makeup Mirror Green Rm 102		2		500		500						SPARE	1	20		64
3	20	1	Makeup Mirror Green Rm 102		2		500			500					SPARE	1	20		66
3	20	1	Makeup Mirror Green Rm 102		2		500	500							SPARE	1	20		68
3	20	1	Makeup Mirror Green Rm 102		2		500		500						SPARE	1	20		70
3	20	1	Makeup Mirror Green Rm 102		2		500			500					SPARE	1	20		72
						•	TOTAL	13365	16243	10315	CONNE	CTED P	(VA		39.9				
IOTE:	REPL	ACE E	XISTING ELECTRICAL PANEL "ST	GB" W	ITH NE	W ELE	CTRICA	PANEL	"STGB"						21.0				
	(SURF	FACE	Mounted). Remove existing F	EEDEF		I ELEC	TRICAL	PANEL "	STG" AN	D	CONIN				07				
	PROV		EW FEEDER FROM EXISTING PA	NEL "N	13", PE				M.		CONN.P	VA (C			0.7				
	REOL						LEXIS				CONN.	KVA (CO	ODE 3)		10.3				
	AND	UPDAT	E PANEL DIRECTORY CARDS AC	CORD	INGLY.	LABEI	LALL UN	USED B	RANCH	, , , , , , , , , , , , , , , ,	FEEDEF	r dema		Ά	45.0				
	BREA	KERS	AS "SPARE".								FEEDEF	r dema		IPS	125.0	Estim	nated L	oad	

BREAKERS AS "SPARE". FEED FROM DISTRIBUTION PANEL "M3"

#### (E) EMER RELAY PANEL "ELRP"

#### (N) EMER RELAY PANEL "ELRP2"











ELECTRICAL PANEL SCHEDULES

M3	STG	DIM	
PRB	STGB	ELPR	
В		ELPR2	



NORTH

ELECTRICA	AL SITE PLAN			
April 25, 2025	POMONA OFFICE OF EDUCATION BOMONA OFFICE OF EDUCATION CEDUCATION CENTER AUDITORION MODERNIZATION POMONA UNIFIED SCHOOL DISTRICT 800 S GAREY AVENUE POMONA, CA 91766	The formation of the fo	ACHITECTORE INTERIORS ACHITECTORE INTERIORS HCARTNER, INC 1572 EL SONETO DRIVE WHITTER, CA 90603 FHONE 626 796 3876 email info@hapartners.cm	WW.PUSD.ORG

![](_page_4_Figure_0.jpeg)

### ELECTRICAL BASEMENT FLOOR PLAN

NORTH

REFERENCE NOTES		WFIED SCHOO
<ul> <li>EXISTING ELECTRICAL PANEL WITH REVISED LOAD PER NEW WORK, REFER TO PANEL SCHEDULES. IDENTIFY ALL EXISTING ELECTRICAL LOADS AND UPDATE PANEL DIRECTORY CARDS ACCORDINGLY. LABEL ALL UNUSED BRANCH BREAKERS AS "SPARE".</li> <li>REPLACE EXISTING ELECTRICAL PANEL "STGB" WITH NEW ELECTRICAL PANEL "STGB" (SURFACE MOUNTED). REMOVE EXISTING FEEDER FROM ELECTRICAL PANEL "STG" AND PROVIDE NEW FEEDER FROM EXISTING PANEL "M3", PER SINGLE LINE DIAGRAM. RECONNECT EXISTING BRANCH CIRCUIT WIRING TO NEW PANEL "STGB". EXTEND WIRING AS REQUIRED TO RECONNECT ALL EXISTING CIRCUITS. IDENTIFY ALL EXISTING ELECTRICAL LOADS AND UPDATE PANEL DIRECTORY CARDS ACCORDINGLY. LABEL ALL UNUSED BRANCH BREAKERS AS "SPARE".</li> </ul>		MINN.PUSD.ORG
<ul> <li>ROUTE FEEDER IN CRAWL SPACE, MOUNT TIGHT TO STRUCTURE.</li> <li>CORE THROUGH EXISTING CONCRETE WALL, INSTALL WATER TIGHT SLEEVES AND UL LISTED CAULKING FOR NEW FEEDERS. NEW CORE SHALL BE CORED WITH 12° CLEAR DISTANCE BETWEEN HOLES.</li> </ul>		ARCHITECTØRE INTERIORS ARCHITECTØRE INTERIORS HCA PARTNERS, INC. 15723 EL SONETO DRIVE WHITTIER, CA 90603 PHONE 626 796 3876 email info@hapartners.com
		Intri- discipline discipline discipline discipline discipline collaborative and and and and and and and and and and
	CAL BASEMENT FLOOR PLAN	POMONA OFFICE OF EDUCATION EDUCATION CENTER AUDITORIUM MODERNIZATION POMONA UNFIED SCHOOL DISTRICT 800 S GAREY AVENUE POMONA, CA 91766
	ECTRIC	April 25, 2025
	ELf	E110

![](_page_5_Figure_0.jpeg)

### **REFERENCE NOTES**

- (D) REMOVE ALL EXISTING DATA OUTLETS AND CABLING FROM THE WALLS IN THIS ROOM. DISCONNECT AND REMOVE ALL EXISTING DATA CABLING BACK TO THE IDF/MDF (TYPICAL).
- 1 EXISTING ELECTRICAL PANEL WITH REVISED LOAD PER NEW WORK, REFER TO PANEL SCHEDULES. IDENTIFY ALL EXISTING ELECTRICAL LOADS AND UPDATE PANEL DIRECTORY CARDS ACCORDINGLY. LABEL ALL UNUSED BRANCH BREAKERS AS "SPARE".
- 2 REPLACE EXISTING ELECTRICAL PANEL "STGB" WITH NEW ELECTRICAL PANEL "STGB" (SURFACE MOUNTED). REMOVE EXISTING FEEDER FROM ELECTRICAL PANEL "STG" AND PROVIDE NEW FEEDER FROM EXISTING PANEL "M3", PER SINGLE LINE DIAGRAM. RECONNECT EXISTING BRANCH CIRCUIT WIRING TO NEW PANEL "STGB". EXTEND WIRING AS REQUIRED TO RECONNECT ALL EXISTING CIRCUITS. IDENTIFY ALL EXISTING ELECTRICAL LOADS AND UPDATE PANEL DIRECTORY CARDS ACCORDINGLY. LABEL ALL UNUSED BRANCH BREAKERS AS "SPARE".
- 3 DISCONNECT AND REMOVE EXISTING OUTLET, SALVAGE EXISTING BRANCH CIRCUIT WIRING, AND RECONNECT TO NEW OUTLET AS INDICATED. EXTEND CONDUIT & WIRING AS REQUIRED. PROVIDE NEW DECORA STYLE DUPLEX OUTLET WITH STAINLESS STEEL COVER PLATE.
- F1 DISCONNECT AND SALVAGE EXISTING FIRE ALARM SYSTEM DEVICES/WIRING. RELOCATED TO NEW LOCATION AND RECONNECT AS INDICATED. EXTEND CONDUIT & WIRING AS REQUIRED.

![](_page_5_Picture_7.jpeg)

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E111

DEMO FIRST FLOOR PLAN ELECTRICAL

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	REFERENCE NOTES		[
OUTLETS INSTALLED AT	EXISTING ELECTRICAL PANEL WITH REVISED LOAD PER NEW WORK, REFER TO PANEL SCHEDULES, IDENTIFY ALL EXISTING ELECTRICAL LOADS AND UPDATE PANEL DIRECTORY CARDS		
G ASSEMBLIES SHALL SILIENT SEALANT. LOCATED IN ONSTRUCTION BY ROVED RESILIENT LL BE PROVIDED	ACCORDINGLY. LABEL ALL UNUSED BRANCH BREAKERS AS "SPARE".  (2) REPLACE EXISTING ELECTRICAL PANEL "STGB" WITH NEW ELECTRICAL PANEL "STGB" (SURFACE MOUNTED). REMOVE EXISTING FEEDER FROM ELECTRICAL PANEL "STG" AND PROVIDE NEW FEEDER FROM EXISTING PANEL "M3", PER SINGLE LINE DIAGRAM. RECONNECT EXISTING BRANCH CIRCUIT WIRING TO NEW PANEL "STGB". EXTEND WIRING AS REQUIRED TO RECONNECT ALL EXISTING CIRCUITS. IDENTIFY ALL EXISTING ELECTRICAL LOADS AND UPDATE PANEL DIRECTORY CARDS ACCORDINGLY LABEL ALL UNUSED BRANCH BREAKERS		
RATED ASSEMBLIES EN COOKING ENEVER A PLUMBING, E SUCH UNIT PASSES N A WALL. THE DUCT. THIS OR ELECTRICAL S SHALL BE F BOXES SHALL BE	<ul> <li>AS "SPARE".</li> <li>REPLACE EXISTING AV CRESTRON CABINET WITH NEW (2) AV ENCLOSURE CABINET (APC # AR3157B2, OR EQUAL) WITH CABLE MANAGEMENT. COORDINATE WITH THE AV CONSULTANT (VIZUAL SYMPHONY) AND DISTRICT IT PRIOR TO INSTALLATION</li> <li>SALVAGE AND RECONNECT ALL EXISTING AV/DATA EQUIPMENTS/CABLES TO NEW AV RACK. PROVIDE DEDICATED ELECTRICAL CIRCUITS WITH QUAD-DUPLEX IN SIDE CABINET. PROVIDE NEW EQUIPMENT INCLUDE THE FOLLOWING COMPONENTS:         <ol> <li>CONTROL FOR TROLLEY SYSTEM, THEATRICAL LIGHTING, CURTAIN/DRAPES.</li> <li>(1) VIDEO WALL PROCESSOR</li> </ol> </li> </ul>		
" THICK MINERAL FIBER	3. (1) CONTROL INTERFACE, CONNECT TO EXISTING CRESTRON CONTROL. SEISMIC BRACING: BOTTOM SEISMIC BRACES COMPLIANT WITH CALIFORNIA SEISMIC STANDARDS.		
	PROVIDE CONTROL SWITCHES FOR AV (VIDEO WALL), TROLLEY SYSTEM, THEATRICAL LIGHTING, AND CURTAIN/DRAPES. FIELD COORDINATE THE EXACT LOCATION OF CONTROL SWITCHES. PROVIDE CONDUIT AND WIRING IN ACCORDANCE WITH THE MANUFACTURER'S CONTROL WIRING DIAGRAMS AND REQUIREMENTS. COORDINATE WITH AV CONSULTANT (VIZUAL SYMPHONY).		
ITRACTOR	5A 2-CHANNEL SWITCH, WITH INDICATOR LIGHT, (1)SWITCH CONTROLLING ALL OUTLETS AT DRESSING STATIONS (VIA PLUG LOAD RELAYS) ABOVE DRESSING ROOM COUNTER, AND (1)SWITCH CONTROLLING STATION LIGHTING (TYPE "W1"), PER NEC 520.73&74 PROVIDE CAT6 CABLE CONNECTIONS BETWEEN ALL nLIGHT LIGHTING CONTROL DEVICES OCCUPANCY SENSOR, SWITCHES, AND LIGHTING RELAYS.		
FCI).	<b>5B</b> SAME AS REF. NOTE (5A), WITH ONLY INDICATOR LAMPS (LOCKED OUT SWITCH CONTROLS), PER NEC 520.73&74		
	(6A) PROVIDE NEW MOTORIZE CURTAIN TRACK (H&H 401S HEAVYDUTY CURTAIN TRACK -H&H 462 CURTAIN MACHINE, OFCI), FIELD VERIFY OUTLET AND SWITCH LOCATION. PROVIDE CONDUIT AND WIRING IN ACCORDANCE WITH THE MANUFACTURER'S CONTROL WIRING DIAGRAMS AND REQUIREMENTS.		- 
	<b>(B)</b> PROVIDE NEW TRACK MOTOR FOR MID-STAGE MAIN DRAPE TRACK (OFCI), FIELD VERIFY TRACK MOTOR POWER CONNECTION AND REMOTE PUSH BUTTON STATION LOCATION. PROVIDE CONDUIT AND WIRING IN ACCORDANCE WITH THE MANUFACTURER'S CONTROL WIRING DIAGRAMS AND REQUIREMENTS.		
	TA PROVIDE NEW PRODIGY 2 GENERAL PURPOSE HOIST (CFCI) - CEILING MOUNTED POWERHEAD - STAGE LIGHTING HUNG 1.5" DIA. SCHED. 40 PIPE. QUICKTOUCH PRESET RIGGING CONTROL, FIXED SPEED REMOTE AND REMOTE E-STOP		
	STATION. NEW STAGE LIGHTING (OFCI), PROVIDE 208V 3Ø, FIELD VERIFY OUTLET AND SWITCH LOCATION. PROVIDE CONDUIT AND WIRING WITH CABLE MANAGEMENT PER EACH SECTION IN ACCORDANCE WITH THE MANUFACTURER'S CONTROL WIRING DIAGRAMS AND REQUIREMENTS. COORDINATE WITH THE AV CONSULTANT (VIZUAL SYMPHONY) AND DISTRICT IT PRIOR TO INSTALLATION		
	<b>7B</b> PRODIGY FLYPIPE MOTORIZED SELF CLIMBING HOIST (CFCI), LIGHT BAR AND LIGHTS SUPPORTED FROM CEILING STRUCTURE IN ATTIC, PIPE LENGTH 20'-0" (ABOVE SEATING AREA) QUICKTOUCH+ Mk2 CONTROL, FIXED SPEED REMOTE AND REMOTE E-STOP STATION. NEW STAGE LIGHTING (OFCI), PROVIDE 208V 3Ø, FIELD VERIFY QUICKTOUCH CONTROLLER LOCATION.		
	PROVIDE CONDUIT AND WIRING WITH CABLE MANAGEMENT IN ACCORDANCE WITH THE MANUFACTURER'S CONTROL WIRING DIAGRAMS AND REQUIREMENTS. COORDINATE WITH THE AV CONSULTANT (VIZUAL SYMPHONY) AND DISTRICT IT PRIOR TO INSTALLATION		
	<ul> <li>RIGGING TROLLEY SYSTEM (CFCI) WITH PRIME VIEW ROLL-DOWN DIGITAL WALL (OFOI):</li> <li>1. RIGGING TROLLEY MOTORS, (RAILSTAR OR EQUAL TROLLEY MOTORS, (CFCI))</li> <li>1.1. PROVIDE RIGGING TROLLEY MOTORS, (RAILSTAR OR EQUAL TROLLEY MOTORS), (2) MOTORS 1/3 HP.</li> <li>1.2. PROVIDE (2) NEW 6 x 12.5" I-BEAM RAILS FOR RAILSTAR MOTOR DRIVEN TROLLEY.</li> </ul>		
	<ol> <li>PROVIDE 120V 1Ø, WITH SJOOW CORD, 120V 3C (HV-08), JACKET YELLOW. RUN CABLE THRU FESTOON SYSTEM FROM PULL BOX AT BACK WALL.</li> <li>FIELD VERIFY CONTROLLER LOCATION.</li> <li>VAHLE FESTOON SYSTEM (CFCI), CABLE CARRIERS FOR ROUND CABLE ON I-BEAM TRACKS</li> <li>PROVIDE FESTOON SYSTEM CABLE CARRIERS FOR ROUND CABLE ON I-BEAM TRACKS</li> <li>2.1.1. (2) CABLE CARRIER (2 WHEELS), W25R/65K (CARRYING CAPACITY 10KG)</li> </ol>		
	<ul> <li>2.1.2. LEAD CARRIER AND TRACK CLAMP, E 25-30 R</li> <li>2.2. RUN ALL POWER AND DATA CABLES LENGTH 25 FEET THRU FESTOON SYSTEM (3 LOOPS) FROM PULL BOX AT BACK WALL.</li> <li>2.2.1. MAX TRAVEL DISTANCE 16 FEET.</li> <li>2.2.2. MAX CABLE LOOP DEPTH 3 FEET</li> <li>2.2.3. OPEN SPACE 1 FEET (MIN ONE CARRIER LENGHT)</li> </ul>		
	<ol> <li>2.2.5. OF EN OF AGE THEET (WINTONE OAR MALE CLENGIN)</li> <li>2.2.4. STORAGE DISTANCE 4 FEET</li> <li>PRIME VIEW ROLL-DOWN DIGITAL WALL (OFOI) - (157.5"H X 275.59'W, 1279 LBS), SEE</li> <li>PRIMEVIEW DRAWINGS REVISED NOTE (COORDINATE WITH THE AV CONSULTANT (VIZUAL SYMPHONY) AND DISTRICT IT BEFORE INSTALLATION)</li> <li>3.1. PROVIDE POWER FOR LED ROLL SCREEN, (7) 208V 20A DEDICATED CIRCUIT SJOOW</li> <li>COOPD 208V 4C (UV A) LINCET YELLOW (CONDUCTOR COLORS)</li> </ol>		
	<ul> <li>BLACK/WHITE/RED/GREEN, DO NOT USE NEUTRAL (WHITE) CABLE FOR 208V USE</li> <li>BLACK/RED+GND (GREEN) FOR 208V CONNECTION.) RUN CABLE THRU FESTOON SYSTEM</li> <li>FROM PULL BOX AT BACK WALL TO POWER SUPPLY ON TRUSS, WITH (7) 4"X4" 208V</li> <li>ELECTRICAL BOXES AND OUTLETS (NEMA 6-20).</li> <li>3.2. PROVIDE POWER FOR MOTOR LED ROLL SCREEN CONTROL BOX, (1) 120V 20A DEDICATED</li> <li>CONDUCTION OF CONTROL BOX (1) 120V 20A DEDICATED</li> </ul>		
	<ul> <li>CIRCUIT SJOOW CORD, 120V 3C (HV-08), JACKET YELLOW. RON CABLE THRO FESTOON SYSTEM FROM PULL BOX AT BACK WALL TO POWER SUPPLY ON TRUSS, WITH (1) 4"X4" 120V ELECTRICAL BOXES AND OUTLETS (NEMA 5-20).</li> <li>3.3. PROVIDE (18) CAT6 UTP SHIELDED, PLENUM-RATED GREEN CABLES WITH DURAWRAP (TECHFLEX OR EQUAL) ((25') EXTRA SLACK CAT6 LEFT AT VIDEO WALL LOCATION). RUN CABLE THRU FESTOON SYSTEM FROM PULL BOX AT BACK WALL TO EXISTING AV RACK.</li> </ul>		
	<ul> <li>a. ALL OUTPUT CABLES FROM POWER SUPPLY TO SCREEN BY SCREEN VENDOR/CONTRACTOR.</li> <li>4. DMX SCRIM ROLL DRUM (WAHLBERG-249, CFCI)</li> <li>4.1. PROVIDE POWER FOR DMX SCRIM ROLL DRUM, 208V 20A DEDICATED CIRCUIT SJOOW</li> </ul>		[
	BLACK/WHITE/RED/GREEN, DO NOT USE NEUTRAL (WHITE) CABLE FOR 208V USE BLACK/WHITE/RED/GREEN, DO NOT USE NEUTRAL (WHITE) CABLE FOR 208V USE BLACK/RED+GND (GREEN) FOR 208V CONNECTION.) RUN CABLE THRU FESTOON SYSTEM FROM PULL BOX AT BACK WALL TO POWER SUPPLY ON TRUSS, WITH A NEUTRIK POWERCON TRUE1 NAC3FX-W(-TOP) CABLE CONNECTOR FOR AC MAINS POWER INPUT. 3.2. PROVIDE A DMX 512 DATA LINK TO CONTROL THE ROLL DOWN VIA DMX. (THE ROLL DOWN HAS 5-PIN XLR CONNECTORS FOR DMX DATA INPUT AND OUTPUT). USE SHIELDED TWISTED-PAIR CABLE DESIGNED FOR RS-485 DEVICES (DO NOT SPLIT A DMX LINE WITHOUT USING AN OPTO-ISOLATED RS-485 SPLITTER/AMPLIFIER). RUN CABLE THRU FESTOON SYSTEM FROM PULL BOX AT BACK WALL TO POWER SUPPLY ON TRUSS.		
	<ul> <li>CONNECT THE DMX DATA OUTPUT FROM THE DMX CONTROLLER TO THE MALE 5-PIN XLR DMX INPUT CONNECTOR (DMX 512 IN)</li> <li>PROVIDE POWER DISTRIBUTION:         <ul> <li>(2) SOUTHWIRE #3GUK7 POWER DISTRIBUTION CARTS (ONE ON EACH SIDE) - 120/208V AC, 100A, DIRECT WIRED, 4 POLES, 5 WIRES, 3-PHASE, NEMA 3R (CORD LENGTH 20 FEET)</li> <li>(OUTLET (10) 20A @ 125V GFCI; (2) 30A @ 250V NON-GFCI)</li> <li>PROVIDE PULL BOX 12"x12"x6" (FIELD VERIFY LOCATION) TO CONNECT POWER DISTRIBUTION</li> </ul> </li> </ul>	AN	
	<ul> <li>(4) SOUTHWIRE #4MZX6 POWER DISTRIBUTION BOXES ((2) ON EACH SIDE) - 120/240V AC, 30A, L14-30P, (4) 5-20R GFCI, 3 POLES, 4 WIRES</li> <li>NEW 65" TV MONITORS (OFCI), +72"AFF. PROVIDE <u>NEW RJ-45 JACK</u> WITH 1"C CAT6 (GREEN COLOR) TO AV RACK AT STAGE, COORDINATE WITH AV CONTRACTOR TO PROVIDED PATHWAY, TERMINATED ON RJ-45 JACK AT THE FACEPI ATE, AND ON RJ-45 PATCH PANELS IN THE AV RACK AT STAGE.</li> </ul>	OR PL	
	PROVIDE <u>ELECTRICAL POWER</u> WITH EXTENSION RING AT EXISTING RECEPTACLE AS REQUIRED. EXTEND POWER WIRING 2#12+1#12GND (THHN/THWN CU) FROM EXISTING RECEPTACLE TO NEW RECEPTACLE, AS SHOWN. PROVIDE THE FOLLOWING CABLING BETWEEN THE EXISTING AV CABINET ON THE STAGE AND THE CONTROL ROOM. TERMINATING EACH END AT THE EXISTING AV CABINETS WITH NEW (1) BU FIBER	FLO	
	PATCH PANEL WITH LC FIBER CONNECTORS: - (1) 12-STRAND SINGLE-MODE (OS2) INDOOR/OUTDOOR RISER FIBER OPTIC CABLE. - (1) 12-STRAND MULTI-MODE (OM4) INDOOR/OUTDOOR RISER FIBER OPTIC CABLE. FIELD COORDINATE ROUTING AND SUPPORT FOR CONDUIT.	RST	
	PROVIDE NEW QUAD RECEPTACLE AND RECONNECT EXISTING BRANCH CIRCUIT WIRING. EXTEND CONDUIT & WIRING AS REQUIRED. PROVIDE NEW DECORA STYLE OUTLET WITH STAINLESS STEEL COVER PLATE.		
	<ul> <li>(F1) RELOCATED EXISTING FIRE ALARM SYSTEM DEVICES TO NEW LOCATION AND RECONNECT AS INDICATED. EXTEND CONDUIT &amp; WIRING AS REQUIRED.</li> <li>(S1) DROVIDE MOTION DETECTOR (ROOM DOWNLOW CONTACT AND RECONNECT AS A RECONNECTA AS A RECONNECT AS A RECONNECTA AS A RECONNECTA AS A RECONNECTA AS A RECONNECTA A RECONNECTA AS A RECONNECTA AS A RECONNECTA AS A RECONNECTA AS</li></ul>	CAL	
	TO EXISTING SECURITY PANEL AT SECURITY ROOM (COORDINATE EXACT LOCATION WITH ITS). REFER TO INTRUSION ALARM SYSTEM SPECIFICATION SECTION 28 30 00.	L R I	- [
NORTH	(52) PROVIDE J-BOX AND 1"C.O. WITH PULL STRING FROM DOOR TO TERMINATE AT SERVER ROOM. (FOR FUTURE ACCESS CONTROL/CARD READER)		F
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FIXTURE TYPE	MANUFACTURER	FURNISHED /INSTALLED	MODEL	DESCRIPTION	MOUNTING	LAMP TYPE	WATT	VOLTA
X1	ETC ColorSource™ Spot	OFOI	CSSPOTS Power Input Cables : DPA-C Power Thru Jumpers : DPJ-5 Diffusers : S4LED-SFD Fixed Beam Lenses : 419EDLT	ColorSource Spot with shutter barrel, black 5ft PowerCon to grounded 20A twistlock connector 5ft PowerCon-to-PowerCon fixture-to-fixture jumper Source Four LED - Soft Focus Diffuser (included) 19° EDLT w/lens installed	LIGHT BAR	LED	147	120\
X2	ETC Lonestar	OFCI	LS-UB-MI-2550A1200-B RC-LS-2550K1001	Lonestar, Black, Ultra-Bright in Molded Insert, Boxed Road Case, Holds Up to Three (3) Lonestar Fixtures in Molded Insert	LIGHT BAR WALL	LED	290	120\
ХЗ	CANTO	OFOI	CANTO ASTRO 600	Follow Spot Fixture	LIGHT BAR	LED	630	120'

	GENERAL NOTES		SEIFD SCL
	<ol> <li>PROVIDE ACOUSTICAL SOUND MASKING PADS, LOWRY OR EQUAL, FOR ALL OUTLETS INSTALLED AT AUDITORIUM.</li> <li>ALL PENETRATIONS INTO SOUND-RATED PARTITIONS OR FLOOR-CEILING ASSEMBLIES SHALL BE SEALED, LINED, OR INSULATED WITH AN APPROVED PERMANENT RESILIENT SEALANT.</li> <li>ALL RIGID CONDUITS, DUCTS, PLUMBING PIPES, AND APPLIANCE VENTS LOCATED IN SOUND-RATED ASSEMBLIES SHALL BE ISOLATED FROM THE BUILDING CONSTRUCTION BY MEANS OF RESILIENT SLEEVES, MOUNTS, OR A MINIMUM 1/4" THICK APPROVED RESILIENT MATERIAL.</li> <li>AN APPROVED PERMANENT AND RESILIENT ACOUSTICAL SEALANT SHALL BE PROVIDED ALONG THE JOINT BETWEEN THE FLOOR AND THE SEPARATION WALLS.</li> <li>ELECTRICAL OUTLET BOXES IN OPPOSITE FACES OF SEPARATION WALLS SHALL BE SEPARATED HORIZONTALLY BY 24" AND NOTE THAT BACK AND SIDES OF BOXES SHALL BE SEALED WITH 1/8" RESILIENT SEALANT AND BACKED BY A MINIMUM OF 2" THICK MINERAL FIBER INSULATION.</li> </ol>		WILL WILL WILL WILL WILL WILL WILL WILL
	REFERENCE NOTES		LTERIOR
ALE 2	<ul> <li>PROVIDE UNSWITCHED (HOT) CIRCUIT CONNECTION TO INTEGRAL BATTERY OF EMERGENCY LIGHT FIXTURE.</li> <li>RECONNECT EXISTING LIGHT FIXTURE WITH SALVAGE EXISTING LIGHTING CIRCUIT AT THE LOCATIONS ON NEW CEILING AS SHOWN. EXTEND CONDUIT AND WIRING AS REQUIRED. FIELD VERIFY EXISTING CIRCUIT DESIGNATION.</li> <li>RECONNECT EXISTING DEVICES AND REINSTALL AT THE LOCATIONS ON NEW CEILING AS SHOWN. U.O.N. EXTEND CONDUIT AND WIRING AS REQUIRED. SALVAGE WIRING FOR REUSE.</li> <li>RECONNECT SALVAGE EXISTING LIGHTING CIRCUIT (DEDICATED HOT AND NEUTRAL FROM DIMMING PANEL TO EACH L5-20 OUTLET (TOTAL (2) OUTLETS PER SECTION) AND SALVAGE EXISTING THEATRICAL LIGHTING COLORSOURCE RELAY WITH WIRELESS RECEIVER FOR CONNECTION TO NEW LIGHTS AND CONTROLS. PROVIDE CONDUIT AND WIRING WITH CABLE MANAGEMENT PER EACH SECTION IN ACCORDANCE WITH THE MANUFACTURER'S CONTROL WIRING DIAGRAMS AND REQUIREMENTS.</li> </ul>		HCA PARTNERS, INC. 15723 EL SONETO DRIVE WHITTIER, CA 90603
	<ul> <li>COORDINATE WITH THE AV CONSULTANT (VIZUAL SYMPHONY) AND DISTRICT IT PRIOR TO INSTALLATION</li> <li>RECONNECT EXISTING CIRCUITS TO BE RUN VIA EXISTING EMERGENCY LIGHTING RELAY PANEL, UNISON FOUNDRY MINI PANEL #UFMP.</li> <li>LIGHTING INSTALLATION - COLUMNS - TYPE F1- INSTALL 16' LED STRIP (WITH ACCESSORIES AS CALLED FOR IN FIXTURE SCHEDULE), AT 4 LOCATIONS, AND CONNECT TO DMX CONTROLS</li> <li>PROVIDE 18"x18"x4" NEMA-1 ENCLOSURE(HOFFMAN OR EQUAL), TO HOUSE POWER SUPPLY AND DMX DECODER (SPECIFIED IN FIXTURE SCHEDULE-TYPE F1). PROVIDE REQUIRED CONNECTIONS TO LIGHT FIXTURES, AND DMX CONTROL.</li> <li>PROVIDE SEPARATE CONTROL FOR HOUSE LIGHT FIXTURES STAGE LEFT AND RIGHT, 4-CHANNELS (INV-3a,3b,3c,3d). HOUSE LIGHTS SHOULD BE INDEPENDENTLY CONTROLLED. DISCONNECT EXISTING CIRCUIT (INV-3) FROM (E)ELRP REALY PANEL &amp; HOUSE LIGHT FIXTURES AS INDICATED. ADD NEW 8-RELAY PANEL, ETC #ELRP FOUNDRY UFMP8, AND PROVIDE NEW (4)SWITCH LEGS TO NEW RELAYS IN NEW PANEL. PROVIDE (1)ADDITIONAL 4-BUTTON ECHO SWITCH ADJACENT TO (E)CHANNEL SWITCH (4) LOCATIONS). AND CONNECT IN TO (E)ETCNET</li> </ul>		
	<ul> <li>CONTROLS. REPROGRÀM EXISTING LIGHTING CONTROL PANÉL AND SWITCH. ADD ADDÍTIONAL CONTROLS AS NECESSARY.</li> <li>PROVIDE CAT6 CABLE CONNECTIONS BETWEEN ALL NLIGHT LIGHTING CONTROL DEVICES OCCUPANCY SENSOR, DIMMER SWITCHES, AND LIGHTING RELAYS. PROVIDE 0-10V WIRING FROM DIMMING RELAYS TO CONTROLLED LIGHT FIXTURES. ALL CAT6 CABLES FOR LIGHTING SYSTEMS SHALL BE A YELLOW JACKET. REFER TO THE DISTRICT'S STANDARDS AND SPECIFICATIONS, DIVISION 27, FOR FURTHER DETAILS.</li> <li>RELAY FOR ILLUMINATED MIRRORS TO BE ACTIVATED BY OCCUPANCY SENSOR ONLY (NO WALL SWITCH). MIRRORS HAVE INTEGRATED CONTROLS FOR DIMMING.</li> </ul>		orative borative Stor ELa Palma Ave., Suite 205 Stor ELa Palma Ave., Suite 205 Stor ELa Palma Ave., Suite 205 Discrete Construction
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	GENERAL NOTES		STEED SCHO
	<ol> <li>PROVIDE ACOUSTICAL SOUND MASKING PADS, LOWRY OR EQUAL, FOR ALL OUTLETS INSTALLED AT AUDITORIUM.</li> <li>ALL PENETRATIONS INTO SOUND-RATED PARTITIONS OR FLOOR-CEILING ASSEMBLIES SHALL BE SEALED, LINED, OR INSULATED WITH AN APPROVED PERMANENT RESILIENT SEALANT.</li> <li>ALL RIGID CONDUITS, DUCTS, PLUMBING PIPES, AND APPLIANCE VENTS LOCATED IN SOUND-RATED ASSEMBLIES SHALL BE ISOLATED FROM THE BUILDING CONSTRUCTION BY MEANS OF RESILIENT SLEEVES, MOUNTS, OR A MINIMUM 1/4" THICK APPROVED RESILIENT MATERIAL.</li> <li>AN APPROVED PERMANENT AND RESILIENT ACOUSTICAL SEALANT SHALL BE PROVIDED ALONG THE JOINT BETWEEN THE FLOOR AND THE SEPARATION WALLS.</li> <li>ELECTRICAL OUTLET BOXES IN OPPOSITE FACES OF SEPARATION WALLS SHALL BE SEPARATED HORIZONTALLY BY 24" AND NOTE THAT BACK AND SIDES OF BOXES SHALL BE SEALED WITH 1/8" RESILIENT SEALANT AND BACKED BY A MINIMUM OF 2" THICK MINERAL FIBER</li> </ol>		Million Contraction of the second sec
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	<ul> <li>CALCENSING AND ADDRESS AND AD</li></ul>		ARCHITECTORE INTE ARCHITECTORE INTE HCA PARTNERS, INC. 15723 EL SONETO DRIVE WHITTIER, CA 90603 PHONE 626 796 3876 emoil info@hcapartners.com
	<ul> <li>TO MATCH EXISTING FIELD CONDITIONS.</li> <li>PROVIDE J-BOX AND 1"C.O. WITH PULL STRING FROM DOOR TO ACCESS CONTROL PULL BOX. (FOR FUTURE ACCESS CONTROL/CARD READER)</li> <li>PROVIDE THE FOLLOWING CABLING BETWEEN THE EXISTING AV CABINET ON THE STAGE AND THE CONTROL ROOM, TERMINATING EACH END AT THE EXISTING AV CABINETS WITH NEW (1) RU FIBER PATCH PANEL WITH LC FIBER CONNECTORS:         <ul> <li>(1) 12-STRAND SINGLE-MODE (OS2) INDOOR/OUTDOOR RISER FIBER OPTIC CABLE.</li> <li>(1) 12-STRAND MULTI-MODE (OM4) INDOOR/OUTDOOR RISER FIBER OPTIC CABLE.</li> </ul> </li> </ul>		
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GENERAL NOTES	DUCT NOTES	MECHANICAL NOTES	
<ol> <li>The Following General, Note are Applicable as that be been applied by a province of the province on the beam of the original state and the second by a province of the province o</li></ol>	<ul> <li>1. GRERAL:</li> <li>1. STARLE LUNCTYNORY, ACCORDING TO SMACAM AMD ASHRAE STANDARDS.</li> <li>1. STARLE LUNCTYNORY, ACCORDING TO THE BEST INSTALLATION ROUTE FOR OLICITYORK ON SITE, REFER TO DRAWNERS FOR GRENT AND LAYOUT, DITTY WARE NOT FOR WACE FLACEMENT.</li> <li>1. SERIA ALL DUCT, JOHTS WITH WATER ASSEE, HIG-PRESSURE DUCT SEALANT TO INIMISE LEAKAGE (MAXIMUM 2% LEAKAGE DI ANDRAE).</li> <li>2. SERIA ALL DUCT, JOHTS WITH WATER ASSEE, HIG-PRESSURE DUCT SEALANT TO INIMISE LEAKAGE (MAXIMUM 2% LEAKAGE DI ANDRAE).</li> <li>2. DUCT MATERIAL AND CONSTRUCTION.</li> <li>2. SERIA ALL DUCT, JOHTS WITH WATER ASSEE, HIG-PRESSURE DUCT SEALANT TO INIMISE LEAKAGE (MAXIMUM 2% LEAKAGE DI ANDRAE).</li> <li>3. DUCT MATERIAL AND CONSTRUCTION.</li> <li>2. DUCT MATERIAL AND CONSTRUCTION INITIANI TAKE THE FAM EXPRAD INDEX OF 25 OR LESS AND A SMOKE-DEVELOPED INDEX OF 25 OR LESS AND A SMOKE-DEVELOPED INDEX AND TAKE THE FAM EXPR.Y STATUC PRESSURE.</li> <li>3. DUCT TENETRATION ARE ALLOWED.</li> <li>2. DUCT ENTERATION ARE ALLOWED.</li> <li>3. DUCT ENTERATION AND AND AND AND AND AND AND AND AND AN</li></ul>	<ul> <li>Mote The DOCUMENT FORMS A PART OF THE REPERCIPCIONS AND BALL BE CONSIDERED THE BANK CENT OF THE REQUIRED IN THE DOWNED AND DOCUMENT FOR THE DOWNED AND DOWNED AND THE ADDINATES AND PERCIPCIONS AND P</li></ul>	
	<ul> <li>DECENDENCIAL GENERAL BUILDING STANDARDS CODEDES</li> <li>HVAC SYSTEM AND CONTROLS (COMPLYING WITH ONE OF THE FOLLOWING STANDARDS): <ul> <li>ABCCS NATIONAL STANDARDS FOR TOTAL SYSTEM BALANCE (6TH EDITION)</li> <li>ABCS STANDARD STANDARDS FOR TOTAL SYSTEM BALANCE (6TH EDITION)</li> <li>ASHARE'S STANDARD 111-2008</li> <li>ASHRAE'S STANDARD TISTING, ADJUSTMENT, AND BALANCING OF ENVIRONMENTAL SYSTEM (7TH EDITION)</li> <li>SMACNA HVAC TESTING, ADJUSTING, AND BALANCING</li> <li>ATINAL REPORT FOR THE TESTING ADJUSTING OF ALL NEW SYSTEMS SHALL BE COMPLETED AND PROVIDED TO THE FIELD INSPECTOR PRIOR TO FINAL APPROVAL. THIS REPORT SHALL BE SIGNED BY THE INDIVIDUAL RESPONSIBLE FOR PERFORMING THESE SERVICES.</li> </ul> </li> <li>AN OPERATION AND SYSTEM MANUAL, SHALL BE PROVIDED TO THE FIELD INSPECTOR AT THE TIME OF FINAL INSPECTION.</li> <li>IF THE NEW HVAC SYSTEM IS USED DURING CONSTRUCTION, USE RETURN AIR FILTERS WITH A MERV OF 8. REPLACE ALL FILTERS IMMEDIATELY PRIOR TO OCCUPANCY.</li> <li>AN AIR FILTER WITH A MINIMUM EFFICIENCY REPORTING VALUE (MERV) OF 13 OR HIGHER SHALL BE INSTALLED IN THE MECHANICAL SYSTEM FOR OUTSIDE AND RETURN AIR FILTERS WITH A MERV OF 8. REPLACE ALL FILTERS SYSTEM FOR OUTSIDE AND RETURN AIR FILTERS WITH A MERV OF 8. REPLACE ALL FILTERS IMMEDIATELY PRIOR TO OCCUPANCY.</li> <li>AN AIR FILTER WITH A MINIMUM EFFICIENCY REPORTING VALUE (MERV) OF 13 OR HIGHER SHALL BE INSTALLED IN THE MECHANICAL SYSTEM FOR OUTSIDE AND RETURN AIR PRIOR OD COLUPANCY.</li> <li>CONTRACTOR SHALL TEST THE HVAC SYSTEMS AND CONTROLS; INCLUDING, BUT NOT LIMITED TO OPERATION, TEMPERATURE, POPERATION, OPERATION, AND MAKE ADJUSTMENTS AS REQUIRED AND REQUIRED BY MANUFACTURER TO ENSURE PROPER OPERATION.</li> </ul>	<list-item><ul> <li>Second provide the provide complete service and practice of a nuclear provide complete provide complete service and provide complete service and provide complete service and provide complete provide complete service and provide complete provide comple</li></ul></list-item>	
AC     -AIR CONDITIONING     (N)     - NEW       AC     -AIR CONDITIONING UNIT     NOT     NOT IN CONTRACT       AFF     -ABOVE FINISH FLOOR     NOT     NOT IN CONTRACT       BAS     BULDING AUTONATION SYSTEM     NOT     NOMER FURNISHED - CONTRACT ON SYSTEM       BAS     BULDING AUTONATION SYSTEM     NOT     NOMER FURNISHED - CONTRACT ON SYSTEM       BAS     BULDING AUTONATION SYSTEM     NOM     NOMER FURNISHED - CONTRACTOR INSTALLED       BTUH     BULDING AUTONATION SYSTEM     OF     - PORTABELD - CONTRACTOR INSTALLED       BTUH     BULDING AUTONATION SYSTEM     OF     - PORTABELD - CONTRACTOR INSTALLED       BTUH     BULDING AUTONATION     PSI     - POLNOS FER SUBLE COOP       COL     - CONTRACTOR FURNISHED - CONTRACTOR     PSI     - POLNOS FER SUBLED - CONTRACTOR INSTALLED       COM     - CONTRACTOR FURNISHED - CONTRACTOR     PSI     - POLNOS FER SUBLE COOP       COM     - CONTRACTOR FURNISHED - CONTRACTOR     PSI     - POLNOS FER SUBLED       COM     - CONTRACTOR FURNISHED - CONTRACTOR     PSI     - POLNOS FER SUBLE       COM     - COMPRESSOR     R     - RESERS, RELOCATED OR RUSE       COM     - CONTRACTOR     RES     - POLNOS FER SUBLE       COM     - CONTRACTOR     SA     SUPPLY AIR SUBLE SUBLE       COM     -	<section-header>         ADJURCE       ADJURATE         ADJURATE       ADJURATE         ADJUR</section-header>	<section-header><section-header><section-header><section-header><section-header><section-header><section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header>	HVAC THISI 1. NE 2. DIF CE 3. AIF A. OU 1. 2. 5. INT 1. 2. 7. INT 1. 2. 7. INT 1. 2. 8. BU 1. 2. 7. INT 1. 2. 8. OC 1. 2. 3. 4. 0. 1. 2. 8. 1. 1. 2. 1. 1. 2. 1. 1. 2. 1. 2. 3. 4. 0. 1. 1. 2. 3. 4. 0. 1. 1. 2. 3. 4. 0. 1. 1. 2. 3. 4. 0. 1. 1. 2. 3. 4. 0. 1. 1. 2. 3. 4. 0. 1. 1. 2. 3. 4. 0. 1. 1. 2. 3. 4. 0. 1. 1. 2. 3. 4. 0. 1. 1. 2. 3. 4. 0. 1. 2. 3. 4. 0. 1. 1. 2. 3. 4. 0. 1. 1. 2. 3. 4. 1. 2. 3. 4. 1. 2. 3. 4. 1. 2. 3. 4. 1. 1. 2. 3. 4. 1. 2. 5. 5. 1. 1. 2. 3. 4. 2. 5. 5. 1. 1. 2. 3. 4. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7.

![](_page_12_Figure_1.jpeg)

TOTAL 6 SHEETS

MECHANICAL FIRST FLOOR PLAN

![](_page_12_Picture_3.jpeg)

![](_page_12_Picture_4.jpeg)

![](_page_12_Picture_5.jpeg)

![](_page_12_Picture_6.jpeg)

M001

UNIT TAG	SERVICE	MAKE
EF-1	GREEN ROOM	BROAN

		FAN SCHEDU	LE								
MODEL NUMBER	LOCATION	TYPE	CFM	ESP (IN. W.C.)	MAX. RPM	AMP	VOLT/PH/HZ	SPEED CONTROL	OPERATIN G WEIGHT (LBS.)	OPENING	SOUND LEVEL (SONES)
L300E	GREEN ROOM	CEILING MOUNT	227	0.5	1207	0.7	120/1/60	YES	21.2	8"Ø 10"x6"	2.6
		NOTES									

PROVIDE EXTERIOR ALUMINUM LOUVER GRILLE 10"X6"; PROVIDE DUCT TRANSITIONS/ADAPTERS AS REQUIRED; VERIFY EXACT REQUIREMENTS IN THE FIELD.
 PROVIDE ELECTRONIC SPEED CONTROL (INTERNAL), MODEL 80L
 INTERLOCK EXHAUST FAN W/ LIGHT SWITCH.

TAG	MFR	MODEL	DESCRIPTION	FACE TYPE	FACE SIZE (IN.)	COLOR	MATERIAL	OBD	NOTES
А	TITUS	MCD	SQUARE CEILING SUPPLY	MODULAR CORE	24 x 24	WHITE	STEEL	NO	1,2,3,4,5,6,7
В	TITUS	PAR	SQUARE CEILING RETURN	PERFORATED	24 x 24	WHITE	STEEL	NO	1,2,3,4,5,6,7

NOTES 1. NECK SIZE AND CFM: REFER TO PLANS FOR NECK SIZE (E.G., 12X12) AND CUBIC FEET PER MINUTE (CFM) RATINGS (E.G., 400). TAG "A" ON THE PLANS INDICATES A DIFFUSER WITH A 12X12 NECK AND A CFM RATING OF 400. 2. PRESSURE DROP: THE MAXIMUM ALLOWABLE TOTAL PRESSURE DROP FOR THE DIFFUSER, INCLUDING ANY DUCT TRANSITIONS, IS 0.15 INCHES OF WATER GAUGE (WG)

3. NOISE LEVEL: THE MAXIMUM NOISE CRITERION (NC) LEVEL OF THE DIFFUSER MUST BE AT LEAST 5 NC POINTS LOWER THAN THE SPECIFIED NOISE CRITERIA FOR THE ROOM(S) IT SERVES. 4. FINISH: ALL VISIBLE SURFACES AND DUCTWORK BEHIND THE DIFFUSER FACE MUST BE PAINTED FLAT BLACK. 5. CEILING COORDINATION: COORDINATE WITH THE ARCHITECTURAL REFLECTED CEILING PLANS TO DETERMINE THE APPROPRIATE BORDER TYPES FOR THE

DIFFUSERS. 6. EXPOSED DUCT COLOR MATCH: ANY GRILLE MOUNTED DIRECTLY ON EXPOSED DUCTWORK SHOULD MATCH THE PAINT COLOR OF THE DUCT (IF PAINTED) OR HAVE A CLEAR ANODIZED FINISH (IF THE DUCT IS UNPAINTED).

7. DUCT TRANSITION: PROVIDE A MINIMUM 3-INCH HIGH RECTANGULAR/SQUARE TO ROUND TRANSITION WHERE REQUIRED. THE TRANSITION SHOULD BE SIZED TO CREATE A MAXIMUM PRESSURE DROP OF 0.01 INCHES WG AND ENSURE THE ROUND NECK AREA IS EQUAL TO OR EXCEEDS THE RECTANGULAR NECK AREA.

FIXTURE SCHEDULE								
	PIPE ROUGH-IN							
TAG	WASTE	VENT	CW	нw	REMARKS			
LV-1	2"	1-1/2"	3/4"	3/4"	VITREOUS CHINA, UNDER-COUNTER, ROUND LAVATORY AMERICAN STANDARD OVALYN 9482.000; MANUAL, WRIST BLADE, RIGID SPOUT, DOUBLE FAUCET CHICAGO 895-317GN2AE3ABCP, 0.5-GPM, PRESSURE COMPENSATING AERATOR, LEAD-FREE NSF 61 CERTIFIED, CALGREEN COMPLIANT, ADA COMPLIANT; ANGLE STOP W/ LOOSE KEY HANDLE CHICAGO 1013-ABCP OR 1025-ABCP; GRID STRAINER, AND OFFSET LA PATTERN CAST BRASS P-TRAP AND TRAP ARM. PROVIDE TRUEBRO LAV GUARD PROTECTIVE SHIELD PIPE COVERS; ASSEMBLY SHALL BE ADA COMPLIANT.			

PIPE MATERIAL SCHEDULE						
SERVICE	MATERIALS					
BELOW GROUND, OUTSIDE BUILDING, ON-SITE SEWER PIPING	LARGER THAN 4": PVC SDR 26 WITH BELL AND SPIGOT ENDS FOR GASKETED JOINTS WITH ELASTOMERIC SEALS, APPROVED FOR GRAVITY SEWER PIPING. PROVIDE APPROPRIATE ADAPTORS FOR CONNECTIONS TO PIPES OF DIFFERENT MATERIALS.					
BELOW GROUND, INSIDE AND OUTSIDE THE BLDG, SEWER PIPING	HUBLESS CAST-IRON WITH NEOPRENE GASKET & STAINLESS STEEL BAND/SHIELD. PROVIDE POLYWRAP TUBULAR POLYETHYLENE PROTECTION FOR CAST-IRON PROVIDE APPROPRIATE ADAPTORS FOR CONNECTIONS TO PIPES OF DIFFERENT MATERIALS.					
ABOVE GROUND, INSIDE BUILDING WASTE PIPING	HUBLESS CAST-IRON WITH NEOPRENE GASKET & STAINLESS STEEL BAND/SHIELD. PROVIDE APPROPRIATE ADAPTORS FOR CONNECTIONS TO PIPES OF DIFFERENT MATERIALS.					
ABOVE GROUND VENT (V) PIPING	HUBLESS CAST-IRON WITH NEOPRENE GASKET & STAINLESS STEEL BAND/SHIELD OR GALVANIZED STEEL PIPE. PROVIDE APPROPRIATE ADAPTORS FOR CONNECTIONS TO PIPES OF DIFFERENT MATERIALS.					
BELOW GROUND, OUTSIDE BUILDING, ON-SITE COLD WATER (CW)	PIPE SIZE, 4" AND LARGER: PVC PRESSURE PIPE C900 WITH MECHANICAL JOINTS AND FITTINGS APPROVED FOR UNDERGROUND PRESSURE WATER PIPING; PIPE SIZE, 3" AND SMALLER: SEAMLESS COPPER TYPE K PIPE, HARD DRAWN, WITH WROUGHT COPPER FITTINGS, LEAD-FREE SOLDER JOINTS, WRAPPED WITH 20-MIL PVC TAPE; PROVIDE THRUST BLOCKS ON EVERY CHANGE OF DIRECTION, CHANGE IN SIZE AND AT TEE FITTINGS. PROVIDE APPROPRIATE ADAPTORS FOR CONNECTIONS TO PIPES OF DIFFERENT MATERIALS.					
BELOW GROUND, INSIDE BUILDING, COLD WATER (CW)	SEAMLESS COPPER TYPE K PIPE, HARD DRAWN, WITH WROUGHT COPPER FITTINGS, LEAD-FREE SOLDER JOINTS, WRAPPED WITH 20-MIL PVC TAPE					
ABOVE GROUND, DOMESTIC COLD WATER	SEAMLESS COPPER TYPE L PIPE, HARD DRAWN, WITH WROUGHT COPPER FITTINGS, LEAD-FREE SOLDER JOINTS					
ABOVE GROUND, DOMESTIC HOT WATER	SEAMLESS COPPER TYPE L PIPE, HARD DRAWN, W/ WROUGHT COPPER FITTINGS & INSULATION, LEAD-FREE SOLDER FOR JOINTS AND CONNECTIONS					

	PLU	MBING SYMBOLS LIST				
SYMBOL	ABBR.	DESCRIPTION				
	W	SANITARY WASTE PIPING BEL. FLR.				
<del></del>	W	SANITARY WASTE PIPING ABV. FLR.				
V		VENT PIPING				
	CW	COLD WATER PIPING				
		HOT WATER PIPING				
HWR HWR		HOT WATER RETURN PIPING				
	ICW	INDUSTRIAL COLD WATER PIPING				
——————————————————————————————————————	IHW	INDUSTRIAL HOT WATER PIPING				
	CHW	CHILLER WATER SUPPLY PIPING				
	CHWR	CHILLER WATER RETURN PIPING				
DE	DE	DEIONIZED WATER RETURN PIPING				
ĐER DER		DEIONIZED WATER RETURN PIPING				
ŁA	LA	LABORATORY LABORATORY COMPRESSED AIR PIPE				
LG	LG	LABORATORY GAS PIPE				
L <del>\</del>	LV	LABORATORY VACUUM PIPING				
<u>— – Łw – – – – – – – – – – – – – – – – – </u>	LW	LABORATORY WASTE PIPING				
[—		PLUG				
•	POC	POINT OF CONNECTION				
O	UP	PIPING UP				
	DN	PIPING DOWN				
Φ	FCO COYB	FLOOR CLEANOUT CLEANOUT IN YARD BOX				
	wco	WALL CLEANOUT				
G	G	GAS PIPING				
	U.	UNION				
ю	B.V.	BALL VALVE				
	C.V.	CHECK VALVE				
	SOV	SHUT-OFF VALVE				
	3VV	3-WAY VENT VALVE				
	FLEX.	FLEXIBLE CONNECTION				
	GC	GAS COCK				
	TP	TRAP PRIMER LINE				
———————————	SD	STORM DRAIN PIPING				

![](_page_13_Picture_13.jpeg)

![](_page_13_Picture_14.jpeg)

![](_page_13_Picture_15.jpeg)

![](_page_13_Picture_16.jpeg)

![](_page_13_Picture_17.jpeg)

SCHEDULES MECHANICAL

![](_page_14_Figure_0.jpeg)

![](_page_14_Figure_3.jpeg)

NORTH

![](_page_15_Figure_0.jpeg)

### DEMOLITION NOTES

- . REVIEW AND VERIFICATION:
- 1.1. BEFORE BIDDING AND COMMENCING DEMOLITION, THOROUGHLY REVIEW THE CONSTRUCTION DOCUMENTS, WORKING DRAWINGS, AND FIELD VERIFY ALL EXISTING CONDITIONS. THIS INCLUDES INVESTIGATING QUESTIONABLE WORK RELATED TO DISCONNECTING OR REMOVING EXISTING EQUIPMENT SHOWN FOR DEMOLITION.
- COORDINATE THIS INFORMATION WITH THE CONSTRUCTION SCHEDULE.
  1.2. DRAWINGS INDICATE EXISTING CONDITIONS BASED ON RECORD DRAWINGS AND LIMITED VISUAL VERIFICATION. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ABSOLUTE ACCURACY. VERIFY ALL EXISTING FIELD CONDITIONS, EXERCISE CAUTION DURING DEMOLITION, AND PROMPTLY NOTIFY THE CONSTRUCTION MANAGER OF ANY
- DISCREPANCIES ENCOUNTERED. 2. EXISTING EQUIPMENT REMOVAL: 2.1. UNLESS OTHERWISE NOTED, DISCONNECT AND REMOVE ALL DEVICES ASSOCIATED WITH THE EXISTING EQUIPMENT BEING REMOVED. DISPOSE OF ALL REMOVED DEVICES AND
- EQUIPMENT UNLESS OTHERWISE DIRECTED BY THE DISTRICT FOR SALVAGE. 2.2. THE CONTRACTOR, ACCOMPANIED BY THE DISTRICT REPRESENTATIVE, SHALL TAKE INVENTORY OF EXISTING MATERIAL AND EQUIPMENT. THE DISTRICT WILL SELECT MATERIAL AND EQUIPMENT FOR SALVAGE, WHICH WILL REMAIN THEIR PROPERTY. THE CONTRACTOR IS RESPONSIBLE FOR DELIVERING SALVAGED EQUIPMENT AND MATERIALS TO DESIGNATED LOCATIONS CHOSEN BY THE DISTRICT. EQUIPMENT AND DEVICES DESIGNATED FOR SALVAGE MUST BE NEATLY PILED, STORED, AND PROTECTED FROM DAMAGE. ANY MATERIALS AND EQUIPMENT NOT CHOSEN FOR SALVAGE BECOME THE PROPERTY OF THE CONTRACTOR AND MUST BE REMOVED FROM THE PREMISES AND DISPOSED OF RESPONSIBLY.
- DEMOLITION COORDINATION:
   3.1. COORDINATE ALL DEMOLITION ACTIVITIES WITH NEW CONSTRUCTION REQUIREMENTS TO ENSURE THE NEWLY INSTALLED SYSTEM IS COMPLETE AND FUNCTIONAL.
   4. EXISTING DUCTWORK:
- 4.1. PERFORM CLEANING AND REPAIRS ON EXISTING DUCTS, INCLUDING SEALING LEAKS AND INSTALLING NEW LINERS AS SPECIFIED. UTILIZE EXISTING DUCTWORK AS SHOWN ON THE PLANS FOR ESTIMATING CLEANING COSTS AND AIR BALANCING.
  4.2. TEST, ADJUST, AND AIR BALANCE ALL SUPPLY AND EXHAUST REGISTERS WITHIN THE
- DESIGNATED AREA. SUBMIT A TAB REPORT TO THE DISTRICT REPRESENTATIVE FOR APPROVAL.
  4.3. IF ANY DIFFUSER FAILS TO ACHIEVE DESIGN CFM WITHIN 10% TOLERANCE AFTER AIR BALANCING, INSPECT EXISTING DUCTS FOR AIR LEAKAGE. PERFORM NECESSARY REPAIRS OR REPLACEMENTS TO REDUCE LEAKAGE AND ACHIEVE THE DESIRED CFM
- 5. EXISTING BUILDING PROTECTION
  5.1. CAREFULLY PROTECT ALL EXISTING WALLS, TRIM, FLOORS, EQUIPMENT, UTILITY LINES,
- AND MATERIALS DURING DEMOLITION. WHEN WORKING ON FINISHED SURFACES, LIMIT DAMAGE TO THE CONFINED SPACE AND RESTORE THEM TO THEIR ORIGINAL CONDITION.
   5.2. PATCHING AND PAINTING OF FLOORS, WALLS, CEILINGS, ETC., SHALL MATCH EXISTING FINISHES.
- 5.3. PRIOR WRITTEN APPROVAL FROM THE ENGINEER IS MANDATORY BEFORE NOTCHING, CORING, OR CUTTING INTO EXISTING STRUCTURES.
   IMPLEMENT DUST PROTECTION MEASURES THROUGHOUT CONSTRUCTION.
- 6.1. COVER ALL DUCT AND AIR DISTRIBUTION COMPONENT OPENINGS WITH TAPE, PLASTIC, SHEET METAL, OR OTHER METHODS APPROVED BY THE ENFORCING AGENCY DURING ROUGH INSTALLATION, STORAGE ON-SITE, AND UNTIL THE FINAL STARTUP OF THE HVAC EQUIPMENT TO MINIMIZE DUST, WATER, AND DEBRIS ENTERING THE SYSTEM.
  6.2. DURING DEMOLITION AND CONSTRUCTION, PROVIDE MERV 8 FILTER MEDIA(S) AT THE MAIN DEBRIS INTERING THE DUST, WATER, AND DEBRIS ENTERING THE SYSTEM.
- MAIN RETURN AIR INTAKE(S) ON THE FLOOR BEING RENOVATED.
  6.3. PROTECT THE BUILDING'S HVAC SYSTEMS FROM DUST AND DEBRIS THROUGHOUT THE CONSTRUCTION PHASE. IMPLEMENT AND MAINTAIN CONSTRUCTION FILTERS (ADHERING TO SMACNA STANDARDS) DURING DUSTY WORK. REMOVE FILTERS BEFORE STARTING ANY TESTING AND BALANCING COMMISSIONING WORK.
- 6.4. PROTECT SMOKE DETECTORS FROM CONSTRUCTION DUST. IF NECESSARY, INSTALL TEMPORARY HEAT DETECTORS TO MAINTAIN SMOKE DETECTION COVERAGE DURING CONSTRUCTION.
   EXISTING SYSTEM CONSIDERATIONS:
- EXISTING SYSTEM CONSIDERATIONS:
   7.1. ENSURE THERE'S A SUFFICIENT RETURN AIR PATHWAY FOR THE RENOVATED AREA.
   7.2. SEAL ALL DUCT AND PIPE PENETRATIONS THROUGH FULL-HEIGHT WALLS WITH ACOUSTICAL SEALANT.
- 7.3. ENSURE ALL CONCEALED SUPPLY AIR DUCTS IN THE CEILING ARE INSULATED.
  7.4. VERIFY THERE ARE NO COMBUSTIBLE MATERIALS PRESENT IF USING THE PLENUM SPACE AS A RETURN AIR PATHWAY.
  7.5. REPLACE DUCT INSULATION IF IT'S IN POOR CONDITION.
- 7.5. REPLACE DUCT INSULATION IF IT'S IN POOR CONDITION.
   8. AIR HANDLING UNIT (AHU) INSPECTION:
   8.1. INSPECT THE CONDITION OF THE EXISTING AIR HANDLING UNIT (AHU) ON THE ROOF THAT SERVES THE TENANT SPACE IE REPAIRS OR REPLACEMENT ARE NECESSARY INFORM

CONSTRUCTION.

- SERVES THE TENANT SPACE. IF REPAIRS OR REPLACEMENT ARE NECESSARY, INFORM THE OWNER.
  9. UTILITY SHUTDOWN:
  9.1. COORDINATE THE SCHEDULE FOR UTILITY SHUTDOWNS AND AREA CLOSURES WITH THE DISTRICT REPRESENTATIVE BEFORE BIDDING AND STARTING DEMOLITION OR
  - GENERAL PLUMBING NOTES
- ALL UNDERGROUND UTILITY AND TRENCHING AND PATCHING SHALL BE VERIFIED WITH ALL TRADES & INCLUDED IN THE CONTRACTORS BID, REGARDLESS IF NOT SHOWN ON PLANS; PATCH
- & INCLUDED IN THE CONTRACTORS BID, REGARDLESS IF NOT SHOWN ON PLANS; PATCH TRENCHING TO MATCH (E) MATERIALS. 2. DEMOLISH AND REMOVE EXISTING ITEMS, MATERIALS AND FINISHES AS REQUIRED AND
- NECESSARY FOR (N) WORK; REINSTALL & RESTORE ALL REMOVED MATERIALS & FINISHES AS REQUIRED.
- 3. SAWCUT AND PATCH EXISTING CONCRETE SLAB AS REQUIRED FOR NEW PIPING; INSTALL (N) FINISH FLOORING TO MATCH (E) AT SAWCUT PATCH.
- REMOVE CURBS (SAWCUT) AND POUR NEW CONC. SLAB WHERE (E) CONC. CURBS OCCURS.
   CONTRACTOR SHALL PATCH/FILL-IN ANY OPENINGS AS A RESULT OF DEMOLITION TO MATCH
- EXISTING CONSTRUCTION; PAINT/FINISH ENTIRE WALL TO MATCH EXISTING ADJACENT WALL FINISH; RESTORE ALL FINISHES AS REQUIRED. 6. EXTRA CARE MUST BE OBSERVED DURING DEMOLITION TO PREVENT DAMAGE TO EXISTING
- . EXTRA CARE MUST BE OBSERVED DURING DEMOLITION TO PREVENT DAMAGE TO EXISTING EQUIPMENT, PIPING, CONDUITS, CASEWORK, ETC. NOT RELATED TO THIS PROJECT.
- . CONTRACTOR TO VERIFY EXACT PIPING LOCATIONS, INVERT AND FIXTURE LOCATIONS IN THE FIELD; (E) FIXTURES, PIPING AND FOOTINGS ARE SHOWN FOR REFERENCE ONLY.
- ALL WASTE PIPING BELOW & ABOVE GRADE/SLAB, AND VENT PIPING BELOW GRADE/SLAB & BELOW FIXTURE FLOOD LEVEL RIM, SHALL BE NEW.
   TYPICALLY HAND EXCAVATE UTILITY TRENCHES UNDER (E) CONCRETE SLAB & WALL FOOTINGS; AS REQ'D FORM & SLURRY UNDER FOOTING TO PROVIDE COMPLETE SUPPORT BELOW FOOTING;
- SLEEVE (N) PIPE THROUGH ENCASEMENT. 10. MANUAL DIGGING: CONTRACTOR SHALL EXERCISE CAUTION WHILE EXCAVATING FOR (N) AND (E) PLUMBING PIPING TO AVOID ANY CONFLICT WITH (E) FOOTING AND OTHER UTILITIES; SUCH LOCATIONS SHALL BE HAND DUG AND PROTECT (E) CONDITIONS TO BE MAINTAINED.
- 11. CONTRACTOR SHALL BE HAND DUG AND PROTECT (E) CONDITIONS TO BE MAINTAINED. 11. CONTRACTOR SHALL VERIFY EXACT LOCATIONS OF (E) WASTE, VENT AND CW PIPES AND POC PRIOR TO DEMOLITION AND CONSTRUCTION. 12. ALL (E) CW, WASTE AND VENT PIPES FROM OTHER PLUMBING FIXTURES OUTSIDE OF RESTROOMS SHALL BE RECONNECTED BACK TO THE (N) PIPES INSIDE THE RESTROOMS.
  - REFERENCE NOTES

DEMOLISH AND DISPOSE OF EXISTING SUPPLY/RETURN DUCTS, SUPPLY AIR DIFFUSER, AND RETURN DUCT OPENING WITH WIRE MESH SCREEN, AS SHOWN.

P1 REMOVE AND DISPOSE OF EXISTING PLUMBING FIXTURES AND ASSOCIATED WASTE, VENT AND CW/HW PIPING TO POC, TO ACCOMMODATE NEW LAVATORY INSTALLATION. PROVIDE REQUIRED ACCESSORIES AS SHOWN ON M002 MECHANICAL SCHEDULE, FIXTURE/PIPE MATERIAL SCHEDULE. VERIFY EXACT LOCATIONS OF THE FIXTURES AND PIPING IN THE FIELD.

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MECHANICAL

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![](_page_16_Figure_1.jpeg)

- . FIELD VERIFICATION: VERIFY THE SIZES, LOCATIONS OF EXISTING DUCTS, PIPE CONNECTION POINTS, AND ANY AREAS POTENTIALLY AFFECTED BEFORE DEMOLITION OR CONSTRUCTION
- BEGINS. COORDINATE THIS INFORMATION WITH THE DISTRICT REPRESENTATIVE. DUCT CLEANING AND REPAIR: PERFORM CLEANING AND REPAIRS ON EXISTING DUCTS,
- INCLUDING SEALING LEAKS AND INSTALLING NEW LINERS AS SPECIFIED. UTILIZE EXISTING DUCTWORK AS SHOWN ON THE PLANS FOR ESTIMATING CLEANING COSTS AND AIR BALANCING.
- TESTING AND BALANCING: TEST, ADJUST, AND AIR BALANCE ALL SUPPLY AND EXHAUST REGISTERS WITHIN THE DESIGNATED AREA. SUBMIT A TAB REPORT TO THE DISTRICT REPRESENTATIVE FOR APPROVAL.
- 4. RETURN AIR PATH: ENSURE THERE'S A SUFFICIENT RETURN AIR PATHWAY FOR THE RENOVATED
- AREA. 5. ACOUSTICAL SEALING: SEAL ALL DUCT AND PIPE PENETRATIONS THROUGH FULL-HEIGHT WALLS WITH ACOUSTICAL SEALANT.
- DUST PROTECTION: PROTECT THE BUILDING'S HVAC SYSTEMS FROM DUST AND DEBRIS THROUGHOUT THE CONSTRUCTION PHASE. IMPLEMENT AND MAINTAIN CONSTRUCTION FILTERS (ADHERING TO SMACNA STANDARDS) DURING DUSTY WORK. REMOVE FILTERS BEFORE STARTING ANY TESTING AND BALANCING COMMISSIONING WORK.
   CEILING DUCT INSULATION: ENSURE ALL CONCEALED SUPPLY AIR DUCTS IN THE CEILING ARE
- INSULATED.
  PLENUM RETURN AIR PATHWAY: VERIFY THERE ARE NO COMBUSTIBLE MATERIALS PRESENT IF USING THE PLENUM SPACE AS A RETURN AIR PATHWAY.
- EXISTING CONDITIONS VERIFICATION: INFORMATION ON DRAWINGS ABOUT EXISTING INSTALLATIONS IS BASED ON LIMITED INSPECTION AND MAY NOT BE ENTIRELY ACCURATE. FIELD VERIFICATION IS REQUIRED BEFORE PROCEEDING WITH ANY WORK THAT MIGHT BE AFFECTED.
   SYSTEM PROTECTION DURING CONSTRUCTION: COVER ALL DUCT AND AIR DISTRIBUTION
- SYSTEM PROTECTION DURING CONSTRUCTION: COVER ALL DUCT AND AIR DISTRIBUTION COMPONENT OPENINGS DURING ROUGH INSTALLATION, STORAGE ON SITE, AND UNTIL FINAL STARTUP TO MINIMIZE DUST, WATER, AND DEBRIS ENTERING THE SYSTEM.
   AIR BALANCING DUCT LEAKAGE: IF ANY DIFFUSER FAILS TO ACHIEVE DESIGN CFM WITHIN 10% TOLERANCE AFTER AIR BALANCING, INSPECT EXISTING DUCTS FOR AIR LEAKAGE. PERFORM NECESSARY REPAIRS OR REPLACEMENTS TO REDUCE LEAKAGE AND ACHIEVE THE DESIRED CFM
- NECESSARY REPAIRS OR REPLACEMENTS TO REDUCE LEAKAGE AND ACHIEVE THE DESIRED CFM TOLERANCE.
  PROVIDE ACOUSTICAL SOUND MASKING PADS, LOWRY OR EQUAL, AT AUDITORIUM.
  12.1. ALL PENETRATIONS INTO SOUND-RATED PARTITIONS OR FLOOR-CEILING ASSEMBLIES SHALL
- BE SEALED, LINED, OR INSULATED WITH AN APPROVED PERMANENT RESILIENT SEALANT.
  12.2. ALL RIGID CONDUITS, DUCTS, PLUMBING PIPES, AND APPLIANCE VENTS LOCATED IN SOUND-RATED ASSEMBLIES SHALL BE ISOLATED FROM THE BUILDING CONSTRUCTION BY MEANS OF RESILIENT SLEEVES, MOUNTS, OR A MINIMUM 1/4" THICK APPROVED RESILIENT MATERIAL.
- AN APPROVED PERMANENT AND RESILIENT ACOUSTICAL SEALANT SHALL BE PROVIDED ALONG THE JOINT BETWEEN THE FLOOR AND THE SEPARATION WALLS.
   METAL VENTILATING AND CONDITIONED AIR DUCTS LOCATED IN SOUND RATED ASSEMBLIES SHALL BE LINED (EXCEPTION: DUCTS SERVING ONLY EXIT WAYS, KITCHEN COOKING FACILITIES. AND BATHROOMS NEED NOT BE LINED).
- FACILITIES, AND BATHROOMS NEED NOT BE LINED).
  12.5. MINERAL FIBER INSULATION SHALL BE INSTALLED IN JOIST SPACES WHENEVER A PLUMBING, PIPING, OR DUCT PENETRATES A FLOOR - CEILING ASSEMBLY OR WHERE SUCH UNIT PASSES THROUGH THE PLANE OF THE FLOOR - CEILING ASSEMBLY FROM WITHIN A WALL. THE INSULATION SHALL BE INSTALLED TO A POINT 12" BEYOND THE PIPE OR DUCT. THIS REQUIREMENT IS NOT APPLICABLE TO FIRE SPRINKLER PIPE, GAS LINE OR ELECTRICAL CONDUIT.

#### GENERAL PLUMBING NOTES

- ALL UNDERGROUND UTILITY AND TRENCHING AND PATCHING SHALL BE VERIFIED WITH ALL TRADES & INCLUDED IN THE CONTRACTORS BID, REGARDLESS IF NOT SHOWN ON PLANS; PATCH TRENCHING TO MATCH (E) MATERIALS.
- 2. DEMOLISH AND REMOVE EXISTING ITEMS, MATERIALS AND FINISHES AS REQUIRED AND NECESSARY FOR (N) WORK; REINSTALL & RESTORE ALL REMOVED MATERIALS & FINISHES AS REQUIRED.
- SAWCUT AND PATCH EXISTING CONCRETE SLAB AS REQUIRED FOR NEW PIPING; INSTALL (N) FINISH FLOORING TO MATCH (E) AT SAWCUT PATCH.
- REMOVE CURBS (SAWCUT) AND POUR NEW CONC. SLAB WHERE (E) CONC. CURBS OCCURS.
   CONTRACTOR SHALL PATCH/FILL-IN ANY OPENINGS AS A RESULT OF DEMOLITION TO MATCH EXISTING CONSTRUCTION; PAINT/FINISH ENTIRE WALL TO MATCH EXISTING ADJACENT WALL FINISH; RESTORE ALL FINISHES AS REQUIRED.
- 6. EXTRA CARE MUST BE OBSERVED DURING DEMOLITION TO PREVENT DAMAGE TO EXISTING
   EQUIPMENT PIPING CONDUITS CASEWORK FTC NOT RELATED TO THIS PROJECT
- EQUIPMENT, PIPING, CONDUITS, CASEWORK, ETC. NOT RELATED TO THIS PROJECT. 7. CONTRACTOR TO VERIFY EXACT PIPING LOCATIONS, INVERT AND FIXTURE LOCATIONS IN THE
- FIELD; (E) FIXTURES, PIPING AND FOOTINGS ARE SHOWN FOR REFERENCE ONLY. 8. ALL WASTE PIPING BELOW & ABOVE GRADE/SLAB, AND VENT PIPING BELOW GRADE/SLAB & BELOW FIXTURE FLOOD LEVEL RIM, SHALL BE NEW.
- TYPICALLY HAND EXCAVATE UTILITY TRENCHES UNDER (E) CONCRETE SLAB & WALL FOOTINGS; AS REQ'D FORM & SLURRY UNDER FOOTING TO PROVIDE COMPLETE SUPPORT BELOW FOOTING; SLEEVE (N) PIPE THROUGH ENCASEMENT.
   MANUAL DIGGING: CONTRACTOR SHALL EXERCISE CAUTION WHILE EXCAVATING FOR (N) AND (E)
- PLUMBING PIPING TO AVOID ANY CONFLICT WITH (E) FOOTING AND OTHER UTILITIES; SUCH LOCATIONS SHALL BE HAND DUG AND PROTECT (E) CONDITIONS TO BE MAINTAINED. 11.CONTRACTOR SHALL VERIFY EXACT LOCATIONS OF (E) WASTE, VENT AND CW PIPES AND POC
- PRIOR TO DEMOLITION AND CONSTRUCTION. 12. ALL (E) CW, WASTE AND VENT PIPES FROM OTHER PLUMBING FIXTURES OUTSIDE OF RESTROOMS SHALL BE RECONNECTED BACK TO THE (N) PIPES INSIDE THE RESTROOMS.

# REFERENCE NOTES

EXISTING HVAC SYSTEM. CONTRACTOR TO FIELD VERIFY AND COORDINATE THE EXACT LOCATION WITH THE DISTRICT REPRESENTATIVE. UTILIZE EXISTING SUPPLY AND RETURN DUCTS. MODIFY EXISTING DUCTS TO ACCOMMODATE INSTALLATION OF NEW DUCTS ABOVE THE CEILING. CONNECT NEW SUPPLY AND RETURN DUCTS TO EXISTING DUCTS (PROVIDE TRANSITIONS AS NEEDED). REBALANCE THE ENTIRE AIR DISTRIBUTION SYSTEM TO ACHIEVE THE MAXIMUM CFM (CUBIC FEET PER MINUTE) REQUIRED FOR THE REMODEL PLAN. TEST, ADJUST, AND BALANCE THE SYSTEM TO ENSURE IT DELIVERS THE SPECIFIED CFM.

(2A) EXISTING THERMOSTAT TO BE RELOCATED TO NEW WALL (+48"AFF). EXTEND CONDUIT AND WIRING AS REQUIRED.

- **2B** PROVIDE NEW THERMOSTAT (+48"AFF). EXTEND CONDUIT AND WIRING AS REQUIRED.
- 3 CONTRACTOR TO REBALANCE THE AIR CAPACITY (CFM) OF EACH DIFFUSER TO MATCH THE REMODEL PLAN.
- 24"X24" RETURN DUCT OPENING W/ WIRE MESH SCREEN AND AIR FILTER RACK FOR MERV 13 AIR FILTERS.
   ALL DUCT SUPPORT SHALL BE ATTACHED TO EXISTING FURRED STRIP AT STRUCTURE, SIMILAR TO EXISTING CONDITION.
- 6A PROVIDE NEW EXHAUST FAN, DUCT AND GRILLE; FIELD VERIFY EXACT LOCATIONS PRIOR TO INSTALLATION. CONNECT NEW DUCT TO EXISTING EXHAUST/VENT DUCT AT EXISTING EXHAUST FAN IN THE RESTROOM, PROVIDE TRANSITION FITTINGS AND DAMPER AS REQUIRED.
- **(B)** PROVIDE NEW EXHAUST FAN, DUCT AND GRILLE; FIELD VERIFY EXACT LOCATIONS PRIOR TO INSTALLATION. EXTEND FLEXIBLE DUCT TO CONNECT TO THE NEW METAL DUCT, PROVIDE TRANSITION FITTINGS AS NEEDED. INSTALL A NEW ALUMINUM LOUVER AT THE EXISTING WINDOW OPENING IN THE SERVER ROOM TO THE EXTERIOR WALL. PATCH AND PAINT THE OPENING.
- P1 PROVIDE NEW LAVATORY AND CONNECT TO EXISTING PIPES. EXTEND 1/2"CW, 2"W AND 1-1/2"V TO LAV. PROVIDE ANGLE STOPS, SUPPLIES, INSULATED TRAP, TRAP ARM AND REQUIRED ACCESSORIES AS SHOWN ON M002 MECHANICAL SCHEDULE, FIXTURE/PIPE MATERIAL SCHEDULE. REWORK EXISTING CW/HW/W/V PIPES INSIDE THE WALL, ABOVE CEILING AND BELOW FLOOR TO ACCOMMODATE NEW LAVATORY INSTALLATION. EXTEND/REPLACE DAMAGE PIPES AS REQUIRED. VERIFY EXACT LOCATIONS OF THE FIXTURES AND PIPING IN THE FIELD.

![](_page_16_Picture_36.jpeg)

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![](_page_16_Picture_38.jpeg)

![](_page_16_Picture_39.jpeg)

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OR

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MECHANICAL

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