BOSTONIA LANGUAGE ACADEMY MODULAR CLASSROOM BUILDINGS RELOCATION 1390 EAST BROADWAY, EL CAJON, CA 92021





DSA RESUBMITTAL NOVEMBER 19, 2020 HED PROJECT NO. 2020-06795-000

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Planning Architecture Engineering Interior Architecture Landscape Architecture **Construction Services**

AND INSTALLED.





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GENERAL SUPERVISION.

THE ITEMS LISTED ON THIS SHEET HAVE BEEN COORDINATED WITH THE DRAWINGS AND SPECIFICATIONS PREPARED UNDER MY GENERAL SUPERVISION AND ARE ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT FOR WHICH I AM THE INDIVIDUAL DESIGNATED TO BE IN GENERAL **RESPONSIBLE CHARGE.**

LIST OF DRAWINGS: MECHANICAL, PLUMBING AND ELECTRICAL

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THOMAS CHRISTIAN ARCHITECT HARLEY ELLIS DEVEREAUX

PROJECT DESCRIPTION

RELOCATION OF 5 PORTABLE BUILDINGS AND ASSOCIATED SITE IMPROVEMENTS, INCLUDING ELECTRICAL, FIRE ALARM, AND COMMUNICATIONS. EACH PORTABLE BUILDING IS 960 SF AND SINGLE-STORY. NEW RELOCATABLE RAMPS TO BE PROVIDED

PROJECT DIRECTORY

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VICINITY MAP

THE DRAWINGS AND/OR SPECIFICATIONS AND/OR CALCULATIONS FOR THE ITEMS LISTED BELOW HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. THESE DOCUMENTS HAVE BEEN EXAMINED BY ME FOR DESIGN INTENT AND APPEAR TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED UNDER MY

CODE REFERENCES

PARTIAL LIST OF APPLICABLE CODES

019 CALIFORNIA ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.	
019 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.	

(2018 INTERNATIONAL BUILDING CODE VOLUMES 1-2 AND 2019 CALIFORNIA AMENDMENTS) 2019 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.

(2017 NATIONAL ELECTRICAL CODE AND 2019 CALIFORNIA AMENDMENTS

2019 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 C.C.R. (2018 JAPMO UNIFORM MECHANICAL CODE AND 2019 CALIFORNIA AMENDMENTS)

2019 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R. (2018 IAPMO UNIFORM PLUMBING CODE AND 2019 CALIFORNIA AMENDMENTS

2019 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 C.C.R.

2019 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R. (2018 INTERNATIONAL FIRE CODE AND 2019 CALIFORNIA AMENDMENTS)

2019 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR (2018 INTERNATIONAL EXISTING BUILDING CODE AND 2019 CALIFORNIA AMENDMENTS

2019 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11. TITLE 24 C.C.R 2019 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.

TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS 2016 ASME A17.1/CSA B44-13 SAFETY CODE FOR ELEVATORS AND ESCALATORS (PER 2019 CBC PART 2) NOTE: CAL/OSHA ELEVATOR UNIT ENFORCES CCR TITLE 8 AND USES THE 2004 ASME A17.1 VY

ADOPTION PARTIAL LIST OF APPLICABLE NFPA STANDARDS

- NFPA 13 AUTOMATIC FIRE SPRINKLER SYSTEM (CA AMENDED) 2016 EDITION
- NFPA 14 STANDPIPE AND HOSE SYSTEMS (CA AMENDED) 2016 EDITION
- NFPA 17 DRY CHEMICAL EXTINGUISHING SYSTEMS 2017 EDITION
- NFPA 17A WET CHEMICAL EXTINGUISHING SYSTEMS 2017 EDITION NFPA 20 STATIONARY PUMPS FOR FIRE PROTECTION 2016 EDITION
- NFPA 22 WATER TANKS FOR PRIVATE FIRE PROTECTION 2013 EDITION

NFPA 24 PRIVATE FIRE MAINS & THEIR APPURTENANCES (CA AMENDED) 2016 EDITION NFPA 25 STANDARD FOR INSPECTION, TESTING AND MAINTENANCE OF 2020 EDITION WATER-BASED FIRE PROTECTION SYSTEMS

NFPA 72 NATIONAL FIRE ALARM & SIGNALING CODE 2016 EDITION

NFPA 80 FIRE DOORS AND OTHER OPENING PROTECTIVES 2016 EDITION

NFPA 2001 CLEAN AGENT FIRE EXTINGUISHING SYSTEMS 2015 EDITION ICC 300 ICC STANDARDS ON BLEACHERS, FOLDING AND TELESCOPING 2017 EDITION SEATING AND GRAND STANDS

- FIRE TESTING OF FIRE EXTINGUISHING SYSTEMS FOR PROTECTION 2005 EDITION OF UL 300 **RESTAURANT COOKING AREAS**
- UL 464 AUDIBLE SIGNAL APPLIANCES 2003 EDITION

2019

HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS 1999 EDITION UL 521 UL 1971 SIGNALING DEVICES FOR HEARING IMPARIED 2002 EDITION

ICC 300 BLEACHERS, FOLDING AND TELESCOPIC SEATING, AND GRANDSTANDS 2017 EDITION

REFERENCE CODE SECTION FOR NFPA STANDARDS- 2019 CBC (SFM) CHAPTER 35. SEE CHAPTER 35 FOR STATE OF CALIFORNIA AMENDMENTS TO NFPA STANDARDS AND CALIFORNIA FIRE CODE

ALL PARTS OF THE 2019 CALIFORNIA BUILDING CODE BECOME EFFECTIVE JANUARY 1, 202 EXCEPT THE EFFECTIVE DATE FOR THE USE OF THE 2019 BUILDING ENERGY EFFICIENCY STANDARDS (TITLE 24, PART 1, CHAPTER 10) IS JANUARY 8, 2019 AND THE EFFECTIVE DATE FOR THE USE OF THE CALIFORNIA ADMINISTRATIVE CODE (TITLE 24, PART 1, CHAPTER 4) IS JANUARY 8

NOTE: THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION, OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH T CONTRACT DOCUMENTS WHEREIN THE FINISHEI WITH TITLE 24. CALIFORNIA CODE OF REGULATIONS A CONSTRUCTION CHANGE DOCUMEN OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED REPAIR WORK SHALL BE APPROVED BEFORE PROCEEDING WITH THE REPAIR WORK

CONTRACTOR'S SCOPE THIS DOCUMENT INCLUDES PLANS FROM A MODULAR BUILDING MANUFACTURER.

- ANY AND ALL WORK NOTED TO BE "BY OTHERS" IN THESE PLANS SHALL BE PERFORMED BY THE GENERAL CONTRACTOR. THE CONTRACTOR SHALL PROVIDE THE FOUNDATIONS AND RAMPS FOR THE BUILDINGS PER PC DRAWINGS. INCLUDING BUT NOT LIMITED TO WOOD FOUNDATIONS, MOD-LINE CONNECTIONS, METAL RAMPS STEEL WELD PLATES, FASTENERS, ETC. IN ADDITION, ALL WORK OUTSIDE THE BUILDING MANUFACTURER DRAWINGS SHALL BE PROVIDED BY THE GENERAL CONTRACTOR. U.O.N.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST AND EFFORT OF OBTAINING AN AIR POLLUTION CONTROL PERMIT
- 3. CONTRACTOR TO INSTALL ALL UTILITIES AS INDICATED TO POINT OF CONNECTION AT BUILDINGS.

LICENSE NO: C18839 EXPIRATION DATE: 11-30-2021

11/04/2020 DATE

GENERAL NOTES

- 1. ALL CONSTRUCTION SHALL COMPLY WITH CURRENT APPLICABLE CODES, ORDINANCES, REGULATIONS AND STATUTES.
- 2. THE PROJECT SPECIFICATIONS, BOUND SEPARATELY, ARE A PART OF THE CONTRACT DOCUMENTS.
- 3. THE CONTRACTOR SHALL INVESTIGATE, VERIFY, AND BE RESPONSIBLE FOR THE COORDINATION OF THE WORK OF THE PROJECT WITH EXISTING CONDITIONS AND DIMENSIONS. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IN WRITING OF ANY CONDITION REQUIRING CLARIFICATION OR MODIFICATION PRIOR TO PROCEEDING WITH THE AFFECTED WORK.
- PLAN DIMENSIONS ARE TO THE FOLLOWING REFERENCES UNLESS SPECIFICALLY NOTED OTHERWISE IN THE DRAWINGS:
 - COLUMN LINE / STRUCTURAL GRID EXTERIOR FACE OF STUDS (FOS) OF EXTERIOR STUD WALLS, OR, (FOS) OF INTERIOR STUD WALLS, UNLESS NOTED OTHERWISE. FACE OF MASONRY (FOM) FACE OF CONCRETE (FOC) FACE OF FINISH (FOF)
- ANY WORK OR MATERIAL NOT DIRECTLY NOTED IN THE CONTRACT DOCUMENTS, BUT NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE INTENT OF THE WORK DESCRIBED IN THE CONTRACT DOCUMENTS, IS IMPLIED. SUCH WORK OR MATERIA SHALL BE INCLUDED AS IF SPECIFICALLY NOTED OR DESCRIBED IN THE CONTRACT DOCUMENTS.
- 6. ALL MATTERS AND DECISIONS REGARDING COLOR. TEXTURE, DESIGN AND INTERPRETATION OF THE CONTRACT DOCUMENTS SHALL BE REFERRED TO HARLEY ELLIS DEVEREAUX ARCHITECTS & ENGINEERS.
- WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. LARGE SCALE DETAILS TAKE PRECEDENCE OVER SMALLER SCALE DETAILS. ANY DISCREPANCIES OR CONFLICTS WITHIN THE DRAWINGS OR BETWEEN THE DRAWINGS OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.
- ALL CONSTRUCTION DOCUMENTS FOR THIS PROJECT COMPLEMENT EACH OTHER, AND WHAT IS SHOWN OR SPECIFIED BY ONE SHALL BE BINDING AS IF SHOWN OR SPECIFIED BY ALL. ANY WORK REFERRED TO ON ANY CONSTRUCTION DOCUMENT SHALL BE PROVIDED AS THOUGH IT WERE SHOWN OR SPECIFIED IN ALL RELATED DOCUMENTS, INCLUDING SPECIFICATIONS.
- REMOVE AND DISPOSE OF, ON A DAILY BASIS, ALL RUBBISH AND WASTE MATERIAL GENERATED BY THE CONTRACTOR AND ALL SUBCONTRACTORS AND TRADES. RUBBISH AND WASTE MATERIALS SHALL NOT ACCUMULATE IN THE BUILDING(S) OR ON THE SITE. DISPOSE OF RUBBISH AND WASTE MATERIALS IN ACCORDANCE WITH ALL APPLICABLE ORDINANCES AND REGULATIONS.
- PROVIDE AND INSTALL ALL NECESSARY BACKING. BLOCKING, FRAMING, HANGERS OR OTHER SUPPORT REQUIRED FOR THE INSTALLATION OF FIXTURES, EQUIPMENT, CABINETRY, FURNISHINGS, AND ALL OTHER ITEMS REQUIRING THE SAME. COORDINATE THE SIZE, LOCATION AND INSTALLA-TION OF BACKING, BLOCKING, FRAMING, HANGERS AND OTHER SUPPORT AMONG THE RESPECTIVE SUBCONTRACTORS AND TRADES.
- 11. ALL MATERIALS AND FINISHES SHALL BE INSTALLED OR APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
- 2. TRENCHES OR EXCAVATIONS 5 FEET OR MORE IN DEPTH INTO WHICH A PERSON IS REQUIRED TO DESCEND REQUIRE SEPARATE PERMIT(S). OBTAIN SUCH PERMIT(S) AS REQUIRED.
- 13. EXCAVATIONS OR DIGGING REQUIRES INFORMING A REGIONAL NOTIFICATION CENTER. CONTACT A REPRESENTATIVE OF UNDERGROUND SERVICE ALERT ("DIG ALERT") AT (800) 227-2600 A MINIMUM OF TWO (2) DAYS IN ADVANCE OF STARTING ANY EXCAVATION OR DIGGING.
- 14. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES, WHERE SHOWN ON THE DRAWINGS, ARE APPROXIMATE ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER, THE ARCHITECT OR THEIR REPRESENTATIVES. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES, AND NOTIFY THE APPLICABLE UTILITY COMPANY(IES) BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE REPAIR, AT OWN COST, OF ANY AND ALL DAMAGES TO EXISTING UNDERGROUND UTILITIES OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE SUCH UNDERGROUND UTILITIES.
- 15. TRESPASSING ON ANY ADJOINING PROPERTIES IS PROHIBITED. MATERIALS SHALL NOT BE STORED ON ANY ADJOINING PROPERTY.
- 16. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS FOR USE OF PUBLIC PROPERTY DURING CONSTRUCTION. THE CONTRACTOR SHALL OBTAIN REQUIRED PERMITS FOR AND PROVIDE PEDESTRIAN PROTECTION AS REQUIRED BY THE APPROPRIATE GOVERNING AGENCY(IES). DO NOT STORE MATERIALS ON PUBLIC PROPERTY WITHOUT REQUIRED PERMIT(S).
- 17. PROVIDE TEMPORARY CONSTRUCTION FENCE(S), GATE(S), BARRICADES, OR OTHER PROTECTIVE MEASURES AS REQUIRED BY THE APPROPRIATE GOVERNING AGENCY(IES) AND AS OTHERWISE REQUIRED TO PROTECT THE PUBLIC AND AVOID UNAUTHORIZED ENTRY TO THE CONSTRUCTION SITE.
- 18. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS FOR REMOVAL OF PAVEMENT, EXCAVATION, AND REPAIR OF PAVEMENT ON PUBLIC PROPERTY REQUIRED FOR CONNECTIONS TO UTILITIES, CONSTRUCTION OF NEW DRIVEWAYS, CURBS, GUTTERS, ETC. AND/OR LANDSCAPING.

- 19. THE CONTRACTOR SHALL PRIOR TO STARTING CONSTRUCTION, MEET WITH REPRESENTATIVES OF THE APPROPRIATE GOVERNING AGENCY(IES) TO INSPECT AND DOCUMENT EXISTING WORK ON PUBLIC PROPERTY (I.E. CURBS, GUTTERS, SIDEWALKS, TREES AND LANDSCAPING, ETC.). DAMAGE TO EXISTING WORK ON PUBLIC PROPERTY CAUSED BY CONSTRUCTION ACTIVITIES RELATED TO THIS PROJECT SHALL BE REPAIRED AT THE CONTRACTOR'S COST, AND TO THE SATISFACTION OF THE APPROPRIATE GOVERNING AGENCY(IES), PRIOR TO COMPLETION OF THIS PROJECT.
- 20. ALL ROOF PENETRATIONS SHALL EXTEND 8" MINIMUM ABOVE THE ROOF SURFACE. 21. NO MOTOR VEHICLES ARE TO BE STORED IN THE
- BUILDING(S) DURING CONSTRUCTION. 22. FIRE DEPARTMENT VEHICLE ACCESS SHALL BE PROVIDED AND MAINTAINED SERVICEABLE TO
- BUILDINGS ON THE SITE AND THROUGHOUT ALL OF THE SITE DURING THE ENTIRE TIME OF CONSTRUCTION. 23. ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).
- 24. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDA OR A CONSTRUCTION CHANGE DOCUMENT APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.
- 25. A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR. PROJECT FIELD INSPECTOR SHALL HAVE MIN. CLASS 3 CERTIFICATION AND PROJECT IN-PLANT INSPECTOR SHALL BE RBIP OR CLASS 3 MIN. PER DSA IR A-7.
- 26. SEE C.F.C. CHAPTER 33 FOR FIRE SAFETY DURING CONSTRUCTION.
- 27. PROTECT IN PLACE ALL (E) LANDSCAPING THROUGHOUT THE DURATION OF CONSTRUCTION U.O.N. ANY LANDSCAPING, IRRIGATION, OR HARDSCAPE DAMAGED BY CONTRACTOR DURING CONSTRUCTION SHALL BE REPLACED TO PRE-CONSTRUCTION CONDITION.
- 28. THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO MODIFY THE FACILITY FOR ACCESSIBILITY IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY CONDITIONS THAT DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS SUCH THAT THE FINISHED WORK WILL NOT COMPLY WITH SAID TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH WORK.
- 29. AN INSPECTOR WHO IS SPECIALLY QUALIFIED IN MECHANICAL AND ELECTRICAL WORK WILL BE REQUIRED FOR THIS PROJECT. 30. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND
- ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
- 31. ALL WORK SHOWN IS ASSUMED TO BE NEW WORK UNLESS NOTED AS EXISTING (E)
- 32. LABEL ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT.
- 33. PAINT ALL EXPOSED PIPING AND CONDUIT.
- 34. PROVIDE WALL AND PARTITION FRAMING (IRRESPECTIVE OF STUD WIDTH SHOWN) NECESSARY TO ACCOMMODATE ALL CONCEALED AND RECESSED ITEMS (INCLUDING MEP, F.E. CABS., TOWEL DISPENSER, ETC.) WHERE RECESSED OR CONCEALED ITEM EXCEEDS THE STUD SIZE SHOWN ON THE DWGS., NOTIFY THE ARCHITECT PRIOR TO CONSTRUCTION.
- 35 ALL BUILDING SYSTEMS (INCLUDING MECHANICAL, PLUMBING, ELECTRICAL, SITE UTILITIES, AND ARCHITECTURAL INTERIOR & EXTERIOR FINISHES) SHALL BE BID & INSTALLED COMPLETE AND FUNCTIONAL FOR THEIR PURPOSE.
- 36. AIR REGISTERS AND ACCESS PANELS THROUGH GYPSUM BOARD SOFFITS ARE ONLY PERMITTED WHERE SHOWN ON THE ARCHITECTURAL REFLECTED CEILING PLANS. NO OTHER LOCATIONS ARE ALLOWED. THE MECHANICAL DRAWINGS ARE SCHEMATIC AND DIAGRAMMATIC. IF CONFLICTS EXIST, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AND THE MECHANICAL ENGINEER AND THEY WILL THEN DESIGNATE AN ALTERNATE INSTALLATION LOCATION FOR THE REGISTERS OR ACCESS PANELS.
- 37. ALL SHUT-OFF VALVES AND EQUIPMENT WHICH REQUIRE SERVICING SHALL BE LOCATED IN ACCESSIBLE LOCATIONS. IF ACCESS PANELS THROUGH GYPSUM BOARD CEILINGS OR WALLS ARE NEEDED BUT ARE NOT SHOWN ON THE ARCHITECTURAL DRAWINGS THE CONTRACTOR SHALL REQUEST LOCATIONS PRIOR TO THE COMPLETION OF HIS SHOP DRAWINGS AND COORDINATION DRAWINGS. CONTRACTOR SHALL ACCOMMODATE THE NEW LOCATIONS PER THE SHOP DRAWINGS AT NO ADDITIONAL COST.
- 38. ALL MECHANICAL, PLUMBING, AND ELECTRICAL SHOP DRAWINGS SHALL BE DRAWN USING AUTOCAD
- 39. POWER OUTLETS, LIGHT SWITCHES, AND OTHER ELECTRICAL DEVICES SHALL NOT BE LOCATED BEHIND CASEWORK OR OPEN DOORS. IF ANY INSTANCES OF THIS TYPE OCCUR THEY SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO CONSTRUCTION IN ORDER FOR ALTERNATE LOCATIONS TO BE DESIGNATED.
- 40. ALL PIPING, CONDUIT, ELECTRICAL JUNCTION BOXES, SHALL BE RUN CONCEALED EXCEPT ABOVE CEILINGS OR IN MECHANICAL OR ELECTRICAL ROOMS. ALL ELECTRICAL AND COMMUNICATION CONTROL DEVICES SHALL BE RECESSED EXCEPT IN ELECTRICAL OR MECHANICAL ROOMS.
- 41. IF CONFLICTS ARISE WITHIN THE CONSTRUCTION DOCUMENTS AND WRITTEN CLARIFICATION CAN NOT BE PROVIDED PRIOR TO BIDDING, THE CONTRACTOR SHALL BID THE HIGHER COST OPTION.
- 42. CONTRACTOR OPERATIONS SHALL NOT BLOCK, HINDER, IMPEDE OR OTHERWISE INHIBIT THE USE OF REQUIRED EXITS AT ANY TIME. CONTRACTOR SHALL MAINTAIN UNOBSTRUCTED ACCESS TO FIRE EXTINGUISHERS, FIRE HYDRANTS, TEMPORARY FIRE PROTECTION FACILITIES, STAIRWAYS AND OTHER ACCESS ROUTES FOR FIRE-FIGHTING EQUIPMENT AND/OR PERSONNEL
- 43. THE DESIGN PROFESSIONAL HAS EXEMPTED THIS RAMP FROM SPECIAL INSPECTION REQUIREMENTS FOR MATERIAL IDENTIFICATION AND STRUCTURAL WELDING. RAMP SHALL NOT BE MODIFIED NOR HAVE SHIMS ADDED CAUSING THE DISTANCE BETWEEN THE HIGHEST RAMP WALKING SURFACE AND THE ADJACENT GRADE TO BE MORE THAN 30 INCHES. IF THIS CONDITION IS NOT MET STRUCTURAL TESTING AND/OR INSPECTION WILL BE REQUIRED TO VERIFY MATERIALS AND STRUCTURAL WELDING. THIS APPLIES TO SCOPES OF WORK INCLUDING NEW CONSTRUCTION, ALTERATION, OR RELOCATION OF THE RAMP.

DEMOLITION AND REPAIR GENERAL NOTES

- 1. CONTRACTOR SHALL PROVIDE ALL DEMOLITION
- 2. COORDINATE NEW OPENINGS IN EXISTING WALLS. FLOORS, CEILINGS AND ROOFS FOR PIPES AND CONDUITS WITH MECHANICAL, ELECTRICAL, PLUMBING AND STRUCTURAL DRAWINGS.
- 3. REMOVAL OF ALL DEBRIS SHALL BE DONE CAREFULLY. CONDUCT DEBRIS REMOVAL TO ENSURE MINIMUM INTERFERENCE WITH ROADS, WALKS AND OTHER OCCUPIED FACILITIES.
- 4. EXECUTE WORK BY METHODS THAT AVOID DAMAGE TO EXISTING ADJACENT WORK TO REMAIN AND WHICH WILL PROVIDE PROPER SURFACES TO RECEIVE PATCHING AND FINISHING
- 5. BEFORE PROCEEDING, THE CONTRACTOR SHALL VERIFY THAT THE REMOVAL OF EXISTING BUILDING COMPONENTS DOES NOT REQUIRE SHORING AND/OR BRACING. WHERE DEMOLITION WORK NECESSITATES THE PROVISION OF SHORING AND/OR BRACING THE CONTRACTOR SHALL PROVIDE SUCH.
- 6. WHERE INDICATED ON PLANS, REMOVE ALL CONSTRUCTION AND EQUIPMENT TO OBTAIN A CLEAN SURFACE FOR NEW CONSTRUCTION.
- 7. DEMOLITION WORK YET TO BE DISCOVERED IN THE AREA OF NEW WORK SHALL BE A PART OF THIS CONTRACT. WORK DISCOVERED IN THE FIELD SHALL BE COORDINATED WITH THE ARCHITECT BEFORE PROCEEDING.
- 8. CONTRACTOR SHALL SCHEDULE A PRECONSTRUCTION MEETING WITH THE DISTRICT, THE ARCHITECT AND, AS APPLICABLE, THE CONSTRUCTION MANAGER TO WALK THE JOB AND VERIFY ANY ITEMS TO BE SALVAGED FOR DISTRICT. CONTRACTOR SHALL SECURE ITEMS TO BE RETAINED BY DISTRICT IN A SAFE, DRY PLACE ON SITE.
- 9. IN ADDITION TO DEMOLITION SHOWN, CUT, MOVE OR REMOVE ITEMS AS NECESSARY TO PROVIDE ACCESS OR TO ALLOW ALTERATIONS AND NEW WORK TO PROCEED, INCLUDE SUCH ITEMS AS:
- A. REMOVAL OF ABANDONED ITEMS SUCH AS PIPING, CONDUIT AND WIRING. B. REMOVAL OF UNSUITABLE OR EXTRANEOUS MATERIALS NOT MARKED FOR SALVAGE, SUCH AS ABANDONED FURNISHINGS AND EQUIPMENT AND DEBRIS SUCH AS ROTTED WOOD, RUSTED METALS
- AND DETERIORATED CONCRETE.
- WORK AND FINISHES. 10. PATCH, REPAIR AND REFINISH EXISTING ITEMS TO REMAIN TO THE CONDITION INDICATED IN DRAWINGS OR SPECIFICATIONS.
- 11. DISCOVERIES OF CONSTRUCTION, FURNISHINGS, FIXTURES, EQUIPMENT AND ARTICLES HAVING VALUE SHALL REMAIN IN THE POSSESSION OF THE DISTRICT
- ELEMENTS OR WORK
- OF DISCOVERY. D. CONTRACTOR SHALL SECURE ITEMS TO BE
- RELEASES
- A. PROVIDE SAME PRODUCT OR TYPES OF EXISTING WORK.
- WORKMANSHIP PRESENT IN EXISTING
- 13. PRESENCE OF AN EXISTING PRODUCT, FINISH, OR TYPE OF TO THE STANDARD OF QUALITY OF THE EXISTING MATERIAL.
- 14. PATCH AND EXTEND EXISTING WORK USING SKILLED CRAFTS PERSONS WHO ARE CAPABLE OF MATCHING EXISTING QUALITY OF WORKMANSHIP. QUALITY OF PATCHED OR EXTENDED WORK SHALL NOT BE LESS THAN THAT SPECIFIED FOR NEW WORK.
- 15. WHERE PARTITIONS ARE REMOVED, PATCH FLOORS, UNLESS OTHERWISE INDICATED.

NECESSARY TO ACCOMPLISH ALL NEW CONSTRUCTION

- CLEANING OF SURFACES, AND REMOVAL OF SURFACE FINISHES AS NEEDED TO INSTALL NEW
- A. PROMPTLY NOTIFY CONSTRUCTION MANAGER.
- B. PROTECT DISCOVERY FROM DAMAGE FROM
- C. CONSTRUCTION MANAGER SHALL PROMPTLY TRANSMIT DISTRICT'S DECISION FOR DISPOSITION
- RETAINED BY DISTRICT IN A SAFE, DRY PLACE ON SITE, OR SHALL DISPOSE OF ITEMS WHICH DISTRICT
- 12. PRODUCTS FOR PATCHING, EXTENDING, AND MATCHING:
 - CONSTRUCTION AS THAT IN EXISTING STRUCTURE, AS NEEDED, TO PATCH, EXTEND OR MATCH
 - GENERALLY, CONTRACT DOCUMENTS WILL NOT DEFINE PRODUCTS OR STANDARDS OR CONSTRUCTION. CONTRACTOR SHALL DETERMINE
 - PRODUCTS BY INSPECTION AND ANY NECESSARY TESTING, AND WORKMANSHIP BY USE OF THE EXISTING AS A SAMPLE OF COMPARISON.
- CONSTRUCTION TO REMAIN, REQUIRES THAT PATCHING, EXTENDING OR MATCHING SHALL BE PERFORMED AS NECESSARY TO MAKE WORK COMPLETE AND CONSISTENT
- WALLS, AND CEILINGS, WITH FINISH MATERIALS TO MATCH EXISTING. SURFACES SHALL BE FLUSH WITH EXISTING,

- 16. PATCH OR REPLACE ANY PORTION OF AN EXISTING FINISHED SURFACE WHICH IS FOUND TO BE DAMAGED, LIFTED, DISCOLORED, OR SHOWS OTHER IMPERFECTIONS, WITH MATCHING MATERIAL.
- A. PROVIDE ADEQUATE SUPPORT OF SUBSTRATE PRIOR TO PATCHING THE FINISH.
- REFINISH PATCHED PORTIONS OF PAINTED OR COATED SURFACES IN A MANNER TO PRODUCE UNIFORM COLOR AND TEXTURE OVER ENTIRE SURFACE.

C. WHEN EXISTING SURFACE FINISH CANNOT BE MATCHED, REFINISH ENTIRE SURFACE TO NEAREST INTERSECTIONS.

- 17. WHEN NEW WORK ABUTS OR FINISHES FLUSH WITH EXISTING WORK, MAKE A SMOOTH TRANSITION. PATCH WORK SHALL MATCH EXISTING ADJACENT WORK IN TEXTURE AND APPEARANCE SUCH THAT THE PATCH OR TRANSITION IS NOT NOTICEABLE AT A DISTANCE OF FIVE FEET.
- A. WHEN FINISHED SURFACES ARE CUT IN SUCH A WAY THAT A SMOOTH TRANSITION WITH NEW WORK IS NOT POSSIBLE, TERMINATE EXISTING SURFACE IN NEAT MANNER ALONG A STRAIGHT LINE AT A NATURAL LINE OF DIVISION AND PROVIDE TRIM APPROPRIATE TO FINISHED SURFACE.
- 18. ALL ADJACENT WORK DAMAGED DUE TO DEMOLITION OR NEW CONSTRUCTION SHALL BE PROMPTLY REPAIRED AS PART OF THIS CONTRACT AT NO ADDITIONAL COST TO DISTRICT. ADEQUATE PROTECTION BARRICADES & PARTITIONS SHALL BE INSTALLED TO PROTECT ALL FINISHES THAT WILL NOT BE REWORKED IN ORDER TO DISTURB AS LITTLE AS POSSIBLE THE CONTINUOUS OPERATION OF THE EXISTING BUILDING AND TO COMPLY WITH LOCAL BUILDING DEPARTMENT REQUIREMENTS.
- 19. DO NOT CLOSE, BLOCK OR OTHERWISE OBSTRUCT STREETS, WALKS OR OTHER OCCUPIED FACILITIES WITHOUT WRITTEN PERMISSION FROM AUTHORITIES HAVING JURISDICTION. THE CONTRACTOR SHALL PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS IF REQUIRED BY GOVERNMENT REGULATIONS.
- 20. DO NOT USE CUTTING TORCHES FOR REMOVAL UNTIL WORK AREA IS CLEARED OF FLAMMABLE MATERIALS. AT CONCEALED SPACES, SUCH AS INTERIOR OF DUCTS AND PIPE SPACES, VERIFY CONDITION OF HIDDEN SPACE BEFORE STARTING FLAME-CUTTING OPERATIONS. MAINTAIN APPROPRIATE PORTABLE FIRE SUPPRESSION DEVICES DURING FLAME-CUTTING OPERATIONS.
- 21. MAINTAIN EXISTING UTILITIES TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING DEMOLITION OPERATIONS.
- 22. DO NOT INTERRUPT UTILITIES SERVING OTHER FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY AUTHORITIES HAVING JURISDICTION.
- 23. PROTECTION MEASURES SHALL BE IN EFFECT PRIOR TO COMMENCEMENT OF ANY DEMOLITION WORK. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLETELY ISOLATE CONSTRUCTION WORK FROM ADJACENT IN-SERVICE AREAS OF THE BUILDING.
- 24. UTILITY SHUT-DOWN MUST BE COORDINATED WITH OWNER A MINIMUM OF 48 HOURS IN ADVANCE.
- 25. THE LOCATION AND ACTIVE/INACTIVE STATUS OF ALL EXISTING UTILITIES IN THE IMMEDIATE AREA OF THE WORK MUST BE VERIFIED PRIOR TO ANY CUTTING OPERATIONS.
- 26. DEBRIS FROM DEMOLITION SHALL BE COLLECTED AND REMOVED AT THE BEGINNING OF THE FOLLOWING WORK DAY. ROUTING OF ANY DEBRIS THROUGH ANY PORTION OF THE EXISTING BUILDING SHALL BE DONE UNDER STRICT OBSERVATION OF THE PROJECT INSPECTOR. ONLY THOSE ROUTES AND TIMES DESIGNATED SHALL BE ALLOWED.
- 27. ALL FLOOR, WALL, OR CEILING OPENINGS ABANDONED AND NOT REUSED WILL BE CLOSED IN AND PATCHED TO PROVIDE THE SAME STRUCTURAL CAPACITY, SEPARATION AND MATERIAL CONFIGURATION AND FINISH AS THE ADJACENT SURFACES.
- 28. WHERE PLUMBING ITEMS ARE INDICATED TO BE ABANDONED, THEY SHALL BE CAPPED AND SEALED WITHIN WALLS, ABOVE CEILING OR BELOW FLOOR SLAB.
- 29. WHERE REMOVAL OF CONCRETE SLABS IS INDICATED ON PLANS, THE SOIL BELOW SHALL BE REMOVED ALSO TO ACCOMMODATE THE THICKNESS OF NEW SLABS WHERE INDICATED OR SOIL BROUGHT IN TO RAISE SLAB AS NEEDED
- 30. CONSTRUCTION PROVISIONING MUST BE ACCOMPLISHED ONLY VIA THE INGRESS/EGRESS ROUTES DESIGNED BY OWNER AND AT TIMES SPECIFICALLY ALLOWED.
- 31. REMOVE AND DISPOSE OF ALL (E) UTILITY INFRASTRUCTURE SCHEDULED FOR DEMOLITION, INCLUDING (E) VENT, EXHAUST, CAPS, AND ASSOCIATED FLASHING ON (E) ROOFS. PROVIDE FRAMING, BLOCKING AND PLYWOOD AS REQUIRED AND PATCH AND REPAIR ROOFING.
- 32. JACK-HAMMERING SHALL BE ALLOWED DURING SCHOOL AFTER-HOURS ONLY.

ABBREVIATIONS

A# xxx A.C. A/C ACC	DIVISION OF STATE ARCHITECT APPLICATION NUMBER ASPHALT CONCRETE AIR CONDITIONING(ED) ACCESSIBLE	LAV. LB. L.F. LVR. LT WT
A.D. A/E A.F.F. A.F.S. ALUM. ALT. AMT. ANOD. APPROX. ARCH. ASPH. A/V	AREA DRAIN ARCHITECT/ENGINEER ABOVE FINISH(ED) FLOOR ABOVE FINISH(ED) SURFACE ALUMINUM ALTERNATE AMOUNT ANODIZE(D) APPROXIMATE(LY) ARCHITECT(S) ASPHALT AUDIO/VISUAL	MAS. MATL. MAX. M.B. MECH. MEMBI MFR. MIN. MISC.
BD. BIT. BLDG. BLK.(G.) BU.(R.)	BOARD(S) BITUMINOUS BUILDING BLOCK(ING) BUILT-UP (ROOFING)	MT.(D.) MTL. (N)
C.B. C.F. C.J. C.L. CLG. C.L.L.	CATCH BASIN CUBIC FOOT (FEET) CONTROL JOINT CENTERLINE CEILING CONTRACT LIMIT LINE	N/A N.I.C. NO. N.R.C. N.T.S.
CLR. C.M.U. C.O. COL. CONC. CONST. CONT. CONT.	CLEAR(ANCE) CONCRETE MASONRY UNIT(S) CLEAN OUT COLUMN CONCRETE CONSTRUCTION CONTINUOUS CONTRACTOR	O.C. O.D. O.H. OPNG. OPP.
CORR. C.T. CTR.	CORRIDOR, CORRUGATE(D) CERAMIC TILE COUNTER	PAV.(M PC P.H. P.I.P. PL.
D. (D) DEMO. D.F. DIA. DIM. DISP. DN. DR. DR. DSA D.S. DSA D.T. DTL.	DRAIN DEMOLISH DEMOLISH (DEMOLITION) DRINKING FOUNTAIN DIAMETER DIMENSION DISPENSER, DISPOSAL DOWN DOOR DOOR DOOR DOWNSPOUT DIVISION OF STATE ARCHITECT DRAIN TILE DETAIL	P.LAM. PLAS. PLBG. PLYWE PNT. PREFA PREFIN P.S.F. P.S.I. PTD. PVMT. QUAL.
(E) EA. E.J. ELEC. ELEC. ELEV. EMER. EQUIP. E.W.C. EXH. EXIST. EXTG. EXT. EXT. EXT. EXP.	EXISTING EACH EXPANSION JOINT ELEVATION (GRADE) ELECTRIC(AL) ELEVATION, ELEVATOR EMERGENCY EQUIPMENT ELECTRIC WATER COOLER EXHAUST EXISTING EXISTING EXISTING EXTERIOR EXPAND(SION), EXPOSED	(R) R.B. R.C.P. REF. REF. REFRIO REG. REQ'D RET. R.L. RM. RT.
F.A. F.D. F.E. F.E.C. F.F. F.H. F.H.C. F.H.R. F.HYD. F.SP. FIN. FLASH. FL. FND.	FIRE ALARM FIRE DAMPER, FLOOR DRAIN FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FINISHED FLOOR FIRE HOSE FIRE HOSE CABINET FIRE HOSE RACK FIRE HYDRANT FIRE STANDPIPE FINISH(ED) FLASHING FLOOR FOUNDATION	S.C. SCHED S.D. S.T. SHT. SHTG. S.M.S. SPEC. S.T.C. STD. STOR. STRUC SUSP.
F.O.C. F.O.F. F.O.M. F.O.S. F.O.S.H. F.S. FT. FTG.	FACE OF CONCRETE FACE OF FINISH FACE OF MASONRY FACE OF STUDS FACE OF SHEATHING FINISH SURFACE FOOT, FEET FOOTING	T. TEL. TEMP. T.O. T.O.C. T.O.CC T.O.M.
GA. GALV. G.C. GL. GR. GRD. G.W.B. GYP.	GAUGE GALVANIZED GENERAL CONTRACTOR GLASS;GLAZING GRADE GUARD GYPSUM WALL BOARD GYPSUM	T.O.P. T.O.R. T.O.S. T.O.ST T.O.W. TR. T.S. TYP.
H.B. H.C. HD. HDWD HDWR. H.M. HORIZ.	HOSE BIBB HOLLOW CORE HEAD HARDWOOD HARDWARE HOLLOW METAL HORIZONTAL	U.N.O. U.O.N. V.B. V.C.T. VERT. VEST. V.I.F. V.T.
HVAC HYD	HEIGHT HTG., VENTILATION & A/C HYDRANT	W. (W/ W.C. WD. W.S. W.W.F.
I.D. INSUL. INT. INV. ISA	INSIDE DIAMETER INSULATION INTERIOR INVERT INTERNATIONAL SYMBOL OF ACCESSIBILITY	W.W.M
J.B. JT.	JUNCTION BOX JOINT	C HP L M MC
K.D. KIT. K.O.(P.)	KNOCK DOWN KITCHEN, KITCHENETTE KNOCK OUT (PANEL)	S TS W

LAVATORY POUND LINEAR FOOT (FEET) LOUVER LIGHTWEIGHT

MASONRY MATERIAL MAXIMUM MACHINE BOLT MECHANIC(AL) MEMBRANE MANUFACTURER MINIMUM MISCELLANEOUS)(G.)MOUNT(ED)(ING) METAL

> NEW NOT APPLICABLE NOT-IN-CONTRACT NUMBER NOISE REDUCTION COEFFICIENT NOT-TO-SCALE

ON-CENTER OUTSIDE DIAMETER OPPOSITE HAND OPENING OPPOSITE

IT.) PAVING, PAVEMENT POWDER COATED PANIC HARDWARE PROTECT IN PLACE PLATE PLASTIC LAMINATE PLASTER, PLASTIC PLUMBING PLYWOOD PAINT AB. PREFABRICATE(D) IN. PREFINISH(ED) POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH PAINTED PAVEMENT

QUALITY QUANTITY

REFINISH **RUBBER BASE REINFORCED CONCRETE PIPE** ROOF DRAIN REFERENCE REFRIGERATOR REGISTER REQUIRED RETAINING ROOF LEADER, RAIN LEADER ROOM RIGHT

SOLID CORE SCHEDULE SOAP DISPENSER; STORM DRAIN SQUARE FOOT (FEET) SHEET SHEATHING SHEET METAL SCREW SPECIFICATION SOUND TRANSMISSION CLASS STANDARD STORAGE CT. STRUCTURAL SUSPENDED

TREAD, TILE, TOILET TELEPHONE TEMPORARY TOP OF **TOP-OF-CURB** ONC.TOP-OF-CONCRETE **TOP-OF-MASONRY TOP-OF-PARAPET** TOP-OF-ROOF TOP-OF-SLAB TOP OF STEEL TOP-OF-WALL TRENCH **TUBE STEEL** TYPICAL

UNLESS NOTED OTHERWISE UNLESS OTHERWISE NOTED

VAPOR BARRIER, VINYL BASE VINYL COMPOSITION TILE VERTICAL VESTIBULE VERIFY IN FIELD VINYL TILE

/O) WITH (WITHOUT) WATER CLOSET WOOD WOOD SCREW WELDED WIRE FABRIC WELDED WIRE MESH

<u>SHAPES</u>

CHANNEL **HP SHAPES** ANGLE M SHAPES **MISCELLANEOUS CHANNEL** S SHAPES STRUCTURAL TUBE WIDE FLANGE

SYMBOLS

AND LEGENDS —— DETAIL NO. DRAWING NO. DRAWING NO. DRAWING NO. DOOR NO OFFICE — ROOM NAME OFFICE XXXX — ROOM NO. MILLWORK TYPE — KEY NOTI REVISION NO. ELEVATION ELEVATION # } MATCHLINE NORTH ARROW MATERIAL LEGEND MATERIAL EARTH

SAND

FILL

FILL

CONCRETE

CONCRETE

STONE

METALS

NAILER ETC.

MASONRY UNIT

SOLID CONCRETE

MASONRY UNIT

BRICK

 \land WITH FILLED CORES

WOOD BLOCKING SHIMS FINISH MQQQ0 PARTICLE BOARD

RIGID INSULATION BLANKET OR BATT

SPRAYED-ON INSULATION OR FIREPROOFING GASKET MATERIAL

INSULATION

SEALANT W/ BOND **BREAK TAPE**

OR JOINT FILLER

1/2 X SEALANT W/ BACKER ROD V

GYPSUM BOARD OR PLASTER

SHEET INDEX

GENERAL

C 001	
G-001	
G-002	NOTES, SYMBOLS, ABBREVIATIONS, & SHEET IN

ARCHITECTURAL

AS101 AS102 AS103 AS501 A401	CAMPUS SITE PLAN FIRE ACCESS PLAN SITE PLAN SITE DETAILS EXISTING RESTROOM PLAN & DETAILS
ELECT	RICAL
EG-01	ELECTRICAL COVERSHEET
EG-02	LEGEND
EG-03	GENERAL NOTES
EG-04	SINGLE LINE DIAGRAM
ES-01	POWER SITE PLAN

E2-01	POWER SITE PLAN
ES-02	SIGNAL SITE PLAN
ES-03	FIRE ALARM SITE PLAN
EP-01	POWER FLOOR PLAN
EC-01	SIGNAL FLOOR PLAN
EF-01	FIRE ALARM FLOOR PLAN
E5-21	DETAILS
E5-22	DETAILS
E5-23	TECHNOLOGY RISER DIAGRAMS
E6-21	FA SCHEDULES, CALCS & NOTES

E6-22 FIRE ALARM DETAILS

MODULAR BUILDING MANUFACTURER SHEETS

<u>A#04-51283</u>

- 0.0 COVER SHEET, INDEX, BUILDING DATA, SYMBOLS
- 1.0 FLOOR, FOUNDATION ROOF PLANS, ELEVATION, NOTES.
- 2.0 TYPICAL DETAILS 2.1 TYPICAL FOUNDATION
- 3.0 STRUCTURAL FRAMING

A#04-51190

- A-0 COVER SHEET A-1 FLOOR PLAN & INTERIOR ELEVATIONS
- A-2 ROOF PLAN, EXTERIOR ELEVATIONS
- A-3 CEILING PLANS & DETAILS
- E-1 ELECTRICAL PLAN & HVAC S-1 FOUNDATION PLAN & DETAILS
- S-2 FLOOR FRAMING PLAN & BUILDING SECTIONS
- S-2A ALTERNATE FLOOR FRAMING PLAN & BUILDING SECTIONS
- S-3 ROOF FRAMING PLAN & BUILDING SECTIONS S-4 FRAMING ELEVATION & SECTION
- S-5 FRAMING ELEVATIONS & DETAILS

A# 04-66161 (PC 275)

- A.0 TITLE SHEET A1.0 FLOOR PLAN
- F0.1 FOUNDATION PLAN
- F3.0 FOUNDATION DETAILS (WOOD)
- S1.0 FLOOR FRAMING PLAN S1.2 STRUCTURAL DETAILS (FLOOR FRAMING)
- S2.0A ROOF FRAMING PLAN
- A# 04-116740 RAMP PLANS
- COVER SHEET ACCESSIBLE RAMP ELEVATIONS & DETAILS
- ACCESSIBLE RAMP DETAILS & NOTES
- DETAILS AND NOTES

TOTAL SHEETS: 48

RM 46: A#04-51283. SERIAL #3933 & #3934.
RM 47: A#04-51283. SERIAL #3831 & #3832.
RM 48: A#04-51190. SERIAL #2002050 & #2002051
RM 49: A#04-66161. PC #275. SERIAL #19738 & #19739
RM 50: A#04-66161. PC #275. SERIAL #19740 & #19741

NOTES:

- 1. CONTRACTOR TO PROTECT ALL LANDSCAPE, HARDSCAPE, & EXISTING CONSTRUCTION TO REMAIN FROM DAMAGE DURING THE ENTIRE CONSTRUCTION PROCESS.
- 2. IN COMPLIANCE WITH SECTIONS 11B-302, 11B-303, & 11B-403: "PATH OF TRAVEL (P.O.T.) AS INDICATED IS A BARRIER FREE ACCESSIBLE ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" BEVELED AT A SLOPE NOT STEEPER THAN 1:2, EXCEPT THAT LEVEL CHANGES ARE 1/4" MAXIMUM VERTICAL AND IS AT LEAST 48" WIDE. SURFACE SHALL BE STABLE, FIRM, AND SLIP RESISTANT. CROSS-SLOPE SHALL NOT BE STEEPER THAN 1:48 AND RUNNING SLOPE SHALL NOT BE STEEPER THAN 1:20 UNLESS OTHERWISE INDICATED (SECTION 11B-403.3). P.O.T. SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM (SECTION 11B-307.4) AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL SURFACE BETWEEN 27" AND 80" ABOVE FINISH FLOOR OR GROUND (SECTION 11B-307.2). PROVIDE FLUSH TRANSITION AT ANY ADJOINING JOINTS BETWEEN DIFFERENT WALK SURFACES IN P.O.T. ARCHITECTS TO VERIFY THAT THERE ARE NO BARRIERS IN THE P.O.T. AND ALL P/O.T. COMPLY WITH SECTION11B-206."
- 3. DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT "DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT: THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED AND ANY ELEMENTS. COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS. DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT."
- 4. OPENINGS IN GRATINGS OR STRAINERS LOCATED IN PEDESTRIAN WAYS OR IN P.O.T. SHALL NOT ALLOW PASSAGE OF A SPHERE MORE THAN 1/2" DIAMETER. ELONGATED OPENINGS SHALL BE PLACED SO THAT LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL IN COMPLIANCE WITH SECTION 11B-302.3. CONTRACTOR TO PROVIDE CUTSHEETS WHERE OCCURS.
- 5. DEMOLITION OF EXISTING HARDSCAPE SHOULD BE FROM JOINT TO JOINT, NO TRENCHING EXISTING HARDSCAPE.
- 6. GATES IN THE PATH OF TRAVEL MUST COMPLY WITH EXIT DOOR REQUIREMENTS (SEE SECTION 11B-206.5) PROVIDE LEVER HARDWARE, KICK PLATES, 18" MIN. STRIKE SIDE CLEARANCE, AND MAX. 5 LBS PRESSURE TO OPERATE.
- 7. GATES THAT ARE PART OF THE ACCESSIBLE ROUTE SHALL MEET ALL THE REQUIREMENTS OF AN ACCESSIBLE DOOR IN COMPLIANCE WITH CBC 11B-404 THE LEVERS OF LEVER ACTUATED LATCHES OR LOCKS FOR ACCESSIBLE GATES SHALL BE CURVED WITH A RETURN TO WITHIN $\frac{1}{2}$ " OF THE GATE SURFACE TO PREVENT CATCHING ON THE CLOTHING OR PERSON SWING DOORS AND GATE SURFACES WITHIN 10" OF THE FLOOR FINISH OR GROUND SHALL HAVE A SMOOTH SURFACE ON THE PUSH SIDE EXTENDING THE FULL WIDTH OF THE DOOR OR GATE. PARTS CREATING HORIZONTAL OR VERTICAL JOINTS IN THESE SURFACES SHALL BE WITHIN $\frac{1}{16}$ " OF THE SAME PLANE AS OTHER AND BE FREE OF SHARP OR ABRASIVE EDGES. CAVITIES CREATED BY ADDING KICKED PLATES SHALL BE CAPPED PER 11B-404.2.10
- 8. REFER TO ELECTRICAL, FIRE ALARM, AND TECHNOLOGY PLANS FOR ADDITIONAL SCOPE OF TRENCHING AN AREAS OF REMOVAL AND REPLACEMENT OF EXISTING MATERIALS.

KEYNOTES:

- (1) (E) FIRE HYDRANT
- (2) (E) 20'-0" MANUAL VEHICULAR ACCESS GATE WITH KNOX BOX
- (3) (E) ASPHALT PAVING
- (4) (E) PASSENGER LOADING ZONE PER A#04-114509
- (E) CONCRETE CURB 15
- 6 (E) ASPHALT PARKING LOT PER A#04-114509
- (7) (E) 20'-0" MIN VEHICULAR GATE. VERIFY KNOX BOX PROVIDED. TO REMAIN OPEN DURING SCHOOL HOURS.
- (8) (E) TURF AREA
- (9) REMOVE (E) 20'-0" WIDE GATE
- (10) (E) PLAY AREA
- (11) (E) LANDSCAPE AREA
- (12) (E) CONCRETE PAVING
- 13) (E) FIRE DEPARTMENT CONNECTION & BACKFLOW PREVENTOR
- (14) (E) ACCESSIBLE PARKING PER A#04-114509
- (15) (E) ACCESSIBLE DUAL HEIGHT DRINKING FOUNTAIN PER A#04-104965. HAWS MODEL 1119. ENSURE CBC 2019 COMPLIANT.
- (16) PROVIDE AC PAVING OVERLAY. MAX CROSS SLOPE OF 1:48.
- [17] REPLACE EXISTING SURFACES WHERE DEMOLISHED FOR INSTALLATION OF WORK. RESTRIPE ANY DISTURBED HARDCOURT GAMES. REFER TO ELECTRICAL DRAWINGS.
- (18) (E) GATE WITH PANIC HARDWARE PER A#04-114509
- (19) (E) TOW AWAY SIGN PER A#04-114509
- (20) (E) RESTROOMS PER A#04-104965 & A#04-114509. MEN'S, WOMEN'S, BOY'S, & GIRL'S RESTROOMS. SEE SHEET A401.

LEGEND:

PARKING TABULATION:

			EXISTING ACC. STALLS	
	ACC. STALLS	STD. STALLS	VAN	STD.
(E) PARKING LOT PER A#04-114509	4	85	1	3

CODE ANALYSIS:

BLDG	OCC.	CONST. TYPE	ALOWABLE AREA (NS)	AREA	OCC. LOAD FACTOR	OCCUPANTS
RM 43-47	E	V-B	9,500 SF	4,800 SF	20	240 TOTAL 48 PER BLDG
RM 48-50	E	V-B	9,500 SF	2,880 SF	20	144 TOTAL 48 PER BLDG

BOSTONIA LANGUAGE ACADEMY

1390 East Broadway El Cajon, CA 92021

Modular

Classroom Buildings Relocation

Date Issued For 08/27/2020 DSA SUBMITTAL 11/06/2020 DSA BACKCHECK 11/19/2020 DSA BACKCHECK

2020-06795-000

225 Broadway Suite 1300

92101 USA

(619) 318-3800

San Diego, California

WWW.HED.DESIGN

<u>AS101</u>

C-18839

- TO SUPPORT IMPOSED LOADS OF FIRE APPARATUS (80,000#) & SHALL BE SURFACED SO AS TO PROVIDE ALL-WEATHER DRIVING CAPABILITIES.
- 2. IF NOT EXISTING, PROVIDE A KNOX KEY VAULT INSTALLED NEAR THE FRONT OF THE CAMPUS, 5' ABOVE FINISH GRADE IN AN ACCESSIBLE LOCATION APPROVED BY THE FIRE CODE OFFICIAL. NUMBER, TYPE, AND MOUNTING LOCATION OF KNOW KEY VAULTS SHALL BE DETERMINED BY THE FIRE DEPARTMENT. VAULTS SHALL CONTAIN KEYS FOR ALL MAN GATES AND INTERIOR ACCESS TO ALL BUILDINGS ON CAMPUS. KAY VAULTS FOR ACCESSING PROPERTIES SHALL BE SUB-MASTERED FOR LAW ENFORCEMENT ACCESS. SUB-MASTERING KEY VAULTS FOR BUILDINGS IS NOT REQUIRED. INSTALLATION SHALL BE APPROVED BY FIRE CODE OFFICIAL.
- 3. VEHICULAR ACCESS MUST BE MAINTAIN SERVICEABLE THROUGHOUT CONSTRUCTION.
- 22500.1 REQUIREMENTS FOR FIRE LANES, INCLUDING SIGN RED STRIPING, AND STENCILING.
- 5. IF NOT EXISTING, PROVIDE "NO PARKING FIRE LANE TOW AWAY" SIGNS FOR THE FIRE LANE THAT COMPLY WITH THE VEHICLE CODE. CONTACT FIRE DEPARTMENT FOR EXACT WORDING AND SIZE OF SIGNS. NUMBER, LOCATION AND SI OF SIGNS SHALL BE AS REQUIRED BY THE HEARTLAND FIR
- DEPARTMENT AND THE CA. VEHICLE CODE. 6. CONTACT THE HEARTLAND FIRE DEPARTMENT A MINIMUM FIVE WORKING DAYS IN ADVANCE TO SCHEDULE ALL INSPECTIONS.
- 7. PROJECT IS NOT IN A FIRE HAZARD SEVERITY ZONE PER C 2019 CHAPTER 7A.

		PROJECT
PROPOSED TYPE OF CONSTRUCTION	TYPE V-B (NON-SPRINKLERED)	CAMPUS
PROPOSED BUILDING AREA	4,800 SF	
BASIC REQUIRED FLOW	2,750 GPM WITH 2 HOUR FLOW DURATION	
PER CFC TABLE BB105.1	*GPM MEASURED AT 20 PSI	
HYDRANT MEASURED FLOW	N/A	
FIRE HYDRANT LOCATIONS & DISTRIBUTION (C	CFC TABLE CC105.1)	NI
AVERAGE SPACING BETWEEN HYDRANTS	400'	
MAX. DISTANCE FROM ANY POINT ON A STREET TO A HYDRANT	225'	
		NOT TO SCAL

KEYNOTES:

(1) (E) FIRE HYDRANT

- (E) 20'-0" MANUAL VEHICULAR ACCESS GATE WITH KNOX BOX
- (4) (E) PASSENGER LOADING ZONE
- (5) (E) CONCRETE CURB
- (E) FIRE LANE PER A# 04-114509
- (7) (E) 20'-0" MIN VEHICULAR GATE. VERIFY KNOX BOX PROVIDED. TO REMAIN OPEN DURING SCHOOL HOURS.
- 9 REMOVE GATE OR PROVIDE KNOX BOX
- (11) (E) LANDSCAPE AREA
- (12) (E) CONCRETE PAVING
- (13) (E) FIRE DEPARTMENT CONNECTION & BACKFLOW PREVENTOR

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new building(s), additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and fire suppression water supply.

Information associated with compliance items 1-3 below is to be provided for all project types indicated above. Information associated with items 4-7 is to be completed when an alternate means is utilized. Acknowledgement by the school district and signature from the local fire authority (LFA) is only required when an alternate design means is being requested. Page 1 of the completed form must be imaged onto the fire access site plan. When an alternate design/means is proposed, completed pages 1 and 2 are to be imaged on the fire access site plan.

For additional information refer to the instructions at the end of this form and DSA Policy 09-01.

Pro	ject Address: 1390 East Broadway, El Cajon, CA 92021				
FIR	E & LIFE SAFETY INFORMATION				
1.	Has a fire hydrant flow test been performed within the past 12 months? (If yes, provide a copy of the test data.)	Yes 🛛		No 🗵	
2.	Was the fire hydrant water flow test performed as part of this LFA review?	Yes 🗖		No 🛛	
3.	Is the project located within a designated fire hazard severity zone as established by Cal-Fire? (If yes, indicate fire hazard zone classification below)	Yes 🛛		No 🗵	l
	Refer to the following for fire hazard zone locations: www.fire.ca.gov/fire_prevention/fire_prevention_wildland_zones_maps	Moderate □	High	Very I	High
	Wildland Interface Area (WIFA) (If any designations are checked, project design requirements of CBC Chapter 7A.)	must meet	the	WIFA	
CC	NDITION MEANS AND METHODS RESOLUTION		RNATE	ACCE	PTE
		Yes	No	N/A	N/F
4.	Emergency vehicle access roadways do not meet CFC requirements.			X	
4a.	Acceptable Alternate: Emergency vehicle and personnel access as proposed by the project architect is acceptable for providing fire suppression and protection of life and property.				
5.	Fire Hydrants: Number and spacing does not meet CFC requirements.			X	
5a	Acceptable Alternate: Number of fire hydrants and spacing as propose by the project architect is acceptable for fire suppression and protection of life and property.	əd			
6.	Fire Hydrants: Water flow and pressure are less than CFC minimum.			X	
6a	Acceptable Alternate: The available flow and pressure is acceptable for providing fire suppression and protection of life and property.	or			
7	Location of fire department connection(s) serving fire sprinkler systems standpipe systems does not meet CFC requirements.	or		X	
	Acceptable Alternate: The location of fire department connection				

DSA 810 FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

School District Acceptance of Acceptable Design Alternates

James Beard

Work E-mail: enash@heartlandfire.net

By signing this form, the school district acknowledges and accepts the proposed design as an alternative to California Building Code (CBC) and California Fire Code (CFC) minimum requirements, as indicated by one or more of the conditions indicated at items 4a, 5a, 6a or 7a, for providing fire and life safety protection of life and property Director Facilities, Maint. & Operat.

The

Accepted by:	
Signature:	Date: 822/20
LOCAL FIRE AUTHORITY (LFA) INFORMATION	
LFA Agency Name: Heartland Fire & Rescue	
LFA Review Official: Elette Nash	
Title: Fire Marshal	Work Phone: 619-667-1472

Date: 8/24/2020 LFA Reviewer's Signature: *4A ACCEPTABLE ALTERNATE: FIRE ACCESS THROUGH EXISTING PARKING LOT AND HARDCOURTS UTILIZES EXISTING PAVING WHICH HAS NOT BEEN VERIFIED TO SUPPORT THE IMPOSED LOADS FOR FIRE APPARATUS PER CFC 503.2.3

DSA 810 (rev 10-22-18) DIVISION OF THE STATE ARCHITECT

VICINITY MAP

LEGEND: RELOCATED PORTABLE BUILDING WITHIN SCOPE OF WORK (E) BUILDING PROPERTY LINE — — — — — — — ARCHITECTURAL AREA OF WORK $\leftarrow \leftarrow \leftarrow \leftarrow \leftarrow \leftarrow \leftarrow \leftarrow \leftarrow \leftarrow$ FIRE HOSE PULL -x - x - x - x - x (E) FENCING — x — x — x — x — CHAINLINK FENCE

DEPARTMENT OF GENERAL SERVICES

PAVED FIRE ACCESS LANE WITH CLEAR AREA OF 12'-6"" WIDE AND 13'-6" VERTICAL, U.N.O.

810

1390 East Broadway El Cajon, CA 92021

Modular Classroom Buildings Relocation

Issued For Date 08/27/2020 DSA SUBMITTAL 11/06/2020 DSA BACKCHECK 11/19/2020 DSA BACKCHECK

KEVNIOTES

RETNUTES.	
1 PROVIDE SIGNAGE AT D	OORS PER 22, 23 & 24/AS501.
2 RAMP PER MODULAR MA	NUFACTURER DRAWINGS
(E) ASPHALT PAVING	
 PROVIDE ALS SIGNAGE F MIN. PER CLASSROOM (9) (E) CONCRETE CURB (E) CONCRETE TO BE PERMA THIS GATE TO BE PERMA THIS GATE TO BE PERMA TNOT AN EXIT" PER DETA REMOVE (E) GATE 	PER 14/AS501. PROVIDE 2 HEADSETS 60 SF/20=48 OCCUPANTS*.04=2 SETS NENTLY LOCKED. PROVIDE SIGNAGE
8 NEW FENCE AND 4'-0" W	DE GATE PER DETAIL 21/AS501
9 NOT USED	
(10) (E) PLAY AREA	
11 (E) LANDSCAPE AREA	
(E) CONCRETE PAVING	
13 NOT USED	
14 NOT USED	
15 NOT USED	
16 PROVIDE AC PAVING OV	ERLAY. MAX CROSS SLOPE OF 1:48.
17 REPLACE EXISTING SUR INSTALLATION OF WORK HARDCOURT GAMES. RE	FACES WHERE DEMOLISHED FOR RESTRIPE ANY DISTURBED FER TO ELECTRICAL DRAWINGS.
18 NOT USED	
LEGEND:	
RELOCATED PORTAB	LE BUILDING WITHIN SCOPE OF WORK
(E) BUILDING	
PROPERTY LIN	IE
ARCHITECTUR	AL AREA OF WORK
 (E) ACCESSIBLE PATH (E) ACCESSIBLE PATH PROPOSED ACCESSION 	l OF TRAVEL PER A#04-104965 BLE PATH OF TRAVEL
-x - x - x - x - x - x - x (E) CHAINLINK FENCE -x - x - x - x - x - x CHAINLINK FENCE	<u>:</u>
ASPHALT PAVING	
T (E) ACCESSIBLE RES	FROOM. INCLUDES BOYS, GIRLS, & STAFF.
PH PANIC HARDWARE	24"@EXT ALL DIREC
192 39 in REQUIRED EGRE 230 46 in ACTUAL EGRESS	WIDTH 4

NOTES:

- 1. CONTRACTOR TO PROTECT ALL LANDSCAPE, HARDSCAPE, & EXISTING CONSTRUCTION TO REMAIN FROM DAMAGE DURING THE ENTIRE CONSTRUCTION PROCESS.
- 2. IN COMPLIANCE WITH SECTIONS 11B-302, 11B-303, & 11B-403: "PATH OF TRAVEL (P.O.T.) AS INDICATED IS A BARRIER FREE ACCESSIBLE ROUTE WITHOUT ANY ÀBRUPT LEVEL CHANGES EXCEEDING 1/2" BEVELED AT A SLOPE NOT STEEPER THAN 1:2, EXCEPT THAT LEVEL CHANGES ARE 1/4" MAXIMUM VERTICAL AND IS AT LEAST 48" WIDE. SURFACE SHALL BE STABLE, FIRM, AND SLIP RESISTANT. CROSS-SLOPE SHALL NOT BE STEEPER THAN 1:48 AND RUNNING SLOPE SHALL NOT BE STEEPER THAN 1:20 UNLESS OTHERWISE INDICATED (SECTION 11B-403.3). P.O.T. SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM (SECTION 11B-307.4) AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL SURFACE BETWEEN 27" AND 80" ABOVE FINISH FLOOR OR GROUND (SECTION 11B-307.2). PROVIDE FLUSH TRANSITION AT ANY ADJOINING JOINTS BETWEEN DIFFERENT WALK SURFACES IN P.O.T. ARCHITECTS TO VERIFY THAT THERE ARE NO BARRIERS IN THE P.O.T. AND ALL P/O.T. COMPLY WITH SECTION11B-206."
- DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT "DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT: THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS. DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE
- PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT." 4. OPENINGS IN GRATINGS OR STRAINERS LOCATED IN PEDESTRIAN WAYS OR IN P.O.T. SHALL NOT ALLOW PASSAGE OF A SPHERE MORE THAN 1/2" DIAMETER.
- ELONGATED OPENINGS SHALL BE PLACED SO THAT LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL IN COMPLIANCE WITH SECTION 11B-302.3. CONTRACTOR TO PROVIDE CUTSHEETS WHERE OCCURS.
- DEMOLITION OF EXISTING HARDSCAPE SHOULD BE FROM JOINT TO JOINT, NO TRENCHING EXISTING HARDSCAPE.
- 6. GATES IN TH E PATH OF TRAVEL MUST COMPLY WITH EXIT DOOR REQUIREMENTS (SEE SECTION 11B-206.5) PROVIDE LEVER HARDWARE, KICK PLATES, 18" MIN. STRIKE SIDE CLEARANCE, AND MAX. 5 LBS PRESSURE TO OPERATE.
- 7. GATES THAT ARE PART OF THE ACCESSIBLE ROUTE SHALL MEET ALL THE REQUIREMENTS OF AN ACCESSIBLE DOOR IN COMPLIANCE WITH CBC 11B-404 THE LEVERS OF LEVER ACTUATED LATCHES OR LOCKS FOR ACCESSIBLE GATES SHALL BE CURVED WITH A RETURN TO WITHIN $\frac{1}{2}$ " OF THE GATE SURFACE TO PREVENT CATCHING ON THE CLOTHING OR PERSON SWING DOORS AND GATE SURFACES WITHIN 10" OF THE FLOOR FINISH OR GROUND SHALL HAVE A SMOOTH SURFACE ON THE PUSH SIDE EXTENDING THE FULL WIDTH OF THE DOOR OR GATE. PARTS CREATING HORIZONTAL OR VERTICAL JOINTS IN THESE SURFACES SHALL BE WITHIN $\frac{1}{16}$ " OF THE SAME PLANE AS OTHER AND BE FREE OF SHARP OR ABRASIVE EDGES. ČAVITIES CREATED BY ADDING KICKED PLATES SHALL BE CAPPED PER 11B-404.2.10
- 8. REFER TO ELECTRICAL, FIRE ALARM, AND TECHNOLOGY PLANS FOR ADDITIONAL SCOPE OF TRENCHING AN AREAS OF REMOVAL AND REPLACEMENT OF EXISTING MATERIALS.
- 9. DETERIORATION OR EXISTING NON-COMPLIANT CONSTRUCTION: IF ANY CONDITION IS DISCOVERED WHICH, IF LEFT UNCORRECTED, WOULD MAKE THE BUILDING NON-COMPLIANT WITH THE REQUIREMENTS OF THE EDITION OF CBC IN FORCE AT THE TIME OF ORIGINAL CONSTRUCTION, THE CONDITION MUST BE CORRECTED IN ACCORDANCE WITH CURRENT CODE REQUIREMENTS. A CONSTRUCTION CHANGE DOCUMENT (CCD-TYPE A), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS DETAILING AND SPECIFYING THE REQUIRED REPAIR WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE REPAIR WORK.

DSETS 2 SETS)

SIGNAGE

IDENTIFICATION STAI DIV. OF THE STATE ARCHIT APP. 04-119479 INC **REVIEWED FOR** SS I DIFLS I ISTACS DATE: 11/20/2020

1390 East Broadway El Cajon, CA 92021

Modular

Classroom Buildings Relocation

1/06/2020 DSA BACKCHECK 11/19/2020 DSA BACKCHECK

48 MAX SLOPE L DIRECTIONS

1390 East Broadway El Cajon, CA 92021

Date Issued For 08/27/2020 DSA SUBMITTAL 11/06/2020 DSA BACKCHECK 11/19/2020 DSA BACKCHECK

P6

<u>⁄</u>21 A401 PHOTOS OF EXISTING RESTROOMS KEYNOTES DENOTE CAMERA LOCATION, PER PLAN. SCALE:

- EXISTING WHEELCHAIR ACCESSIBLE COMPARTMENT HAVING THE FOLLOWING: A. SELF-CLOSING DOOR B. LOOP OR U-SHAPED HANDLE AT BOTH SIDES OF DOOR 30"- 44" A.F.F. C. SLIDE TYPE LATCH AT 30" - 44" A.F.F. D. COAT HOOK AT MAX. 48" A.F.F.
- 3. EXISTING ACCESSIBLE TOILET MEETING ALL OF THE
- 4. EXISTING 36" GRAB BAR PROVIDING 1 1/2" CLEARANCE AROUND
- EXISTING 42" GRAB BAR PROVIDING 1 1/2" CLEARANCE AROUND
- 6. EXISTING DRINKING FOUNTAIN MEETING THE REQUIREMENTS
- 7. EXISTING ACCESSIBLE URINAL MEETING THE REQUIREMENTS
- 8. EXISTING ACCESSIBLE LAVATORY MEETING THE REQUIREMENTS

- 13. EXISTING SURFACE MOUNTED ACCESSIBLE TOILET TISSUE DISPENSER TO MEET THE REQUIREMENTS PER DETAIL 12/-
- 14. DASHED LINE AND SYMBOL INDICATES 30" X 48 ACCESSIBLE
- 15. DASHED LINE INDICATES 60" DIAMETER ACCESSIBLE SPACE
- 17. EXISTING TACTILE ROOM IDENTIFICATION SIGNAGE MEETING CBC
- ^{18.} EXISTING PICTOGRAM DOOR SIGNAGE MEETING 11B.703.
- ^{19.} EXISTING 36" WIDE DOOR WITH LEVER HARDWARE TO REMAIN. IF REQUIRED, ADJUST DOOR OPERATING PRESSURE TO BE MAX.
- 20. DOOR SHALL NOT BE EQUIPPED WITH A CLOSING DEVICE, REMOVE DEVICE AND PATCH SURFACES IF REQUIRED.
- 21. EXISTING WALL MOUNTED WASTE RECEPTACLE. B.O.
- 22. PAPER TOWEL DISPENSER REMOVED IN PREVIOUS PROJECT
- EXISTING PAPER TOWEL DISPENSER. MOUNTED SO THAT TOP OF
- 24. EXISTING SURFACE MOUNTED COMBINATION PAPER TOWEL DISPENSER/WASTE RECEPTACLE, MOUNTED SO THAT BOTTOM
- 25. RELOCATE PAPER TOWEL DISPENSER TO DIRECTLY ABOVE WASTE RECEPTACLE. DISPENSER LESS THAN 40" AFF. PATCH AND REPAIR EXISTING SURFACES AS REQUIRED.

GENERAL NOTES:

- 1. ALL PLUMBING FIXTURES AND ACCESSORIES ARE EXISTING. REFER TO A#04-104965 AND A#04-114509. FIELD MEASUREMENTS HAVE BEEN TAKEN TO VERIFY ALL DIMENSIONS AND CLEARANCES ARE COMPLIANT U.O.N.
- 2. DIMENSIONS ARE TO FINISH SURFACES OF WALLS, FLOORS AND TOILET PARTITIONS, TO EDGES OF PLUMBING FIXTURES, TO ENDS OF GRAB BARS, AND TO EDGE OF TOILET ACCESSORY, AS INDICATED ON PLANS AND ELEVATIONS.
- 3. AT ACCESSIBLE ADULT WATER CLOSETS, CENTER LINE OF WATER CLOSET 17"-18" FROM FINISH FACE OF ADJACENT SIDE WALL OR PARTITION.

NOTE:

ALL ACCESSORIES ARE TO HAVE 4" MAX. PROJECTION U.O.N.

ENSURE (E) DOOR HAS NO CLOSER

P4)

P5

1390 East Broadway El Cajon, CA 92021

Modular Classroom Buildings Relocation

Issued For 08/27/2020 DSA SUBMITTAL 11/06/2020 DSA BACKCHECK 11/19/2020 DSA BACKCHECK

<u>NAME</u> 10' - 0" —	LEVEL NAM HEIGHT ABC PROJECT 0'
ADRT.	
	SIM 4 3
LINE TYPE KEY:	NEW WORK BY TI (DARK SOLID LINI
	NEW WORK UND (DARK LONG DAS
———R———	EXISTING TO BE F

	ELECTRIC
ABBR:	DESCRIPTION:
AFF	ABOVE FINISHED FL
С	CONDUIT
GFI	GROUND FAULT INT
N.C.	NORMALLY CLOSE
NIC	NOT IN CONTRACT
N.O.	NORMALLY OPEN
SV	SOLENOID VALVE
TYP	TYPICAL
UNO	UNLESS NOTED OT

<u>VIEW KEY</u>	ELECTRICAL DENOVATION NOTES
NAME ABOVE CT 0' - 0" INDICATES NOTE USED TO DESCRIBE ADDITIONAL INFORMATION ABOUT WORK REQUIRED, SPECIFIC TO THE SHEET AND/OR DETAIL	THESE NOTES APPLY TO ALL ELECTRICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO, LIGHTING, POWER, AND SYSTEMS. 1. EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION OBTAINED FROM FIELD
INDICATES DIRECTION OF TRUE NORTH PLAN OR DETAIL NUMBER PLAN OR DETAIL NAME VIEW NAME 1/8" = 1'-0" PLAN OR DETAIL SCALE INDICATES SIMILAR DETAIL REFERENCED IN MULTIPLE LOCATIONS DETAIL REFERRED TO BY SECTION CUT SHEET DETAIL IS LOCATED ON INDICATES SIMILAR DETAIL REFERENCED IN MULTIPLE LOCATIONS DETAIL REFERRED TO BY ELEVATION	 SURVEYS, EXISTING BUILDING DOCUMENTS, AND STAFF. VERIFY EXISTING CONDITIONS AND REPORT ANY CONFLICTS BEFORE PROCEEDING. NOT ALL EXISTING EQUIPMENT, LUMINAIRES, AND CONDUIT ARE SHOWN. VERIFY EXISTING CONDITIONS AND REPORT ANY CONFLICTS WITH NEW WORK BEFORE STARTING WORK. FIELD VERIFY THE AVAILABLE CLEARANCES FOR CABLE TRAY, BUSWAY AND CONDUITS BEFORE FABRICATION. RISES AND DROPS MAY BE NECESSARY BECAUSE OF EXISTING FIELD CONDITIONS. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CUTTING, REMOVAL AND PATCHING OF ROOFS, WALLS, AND FLOORS ASSOCIATED WITH WORK BY ALL CONTRACTORS. CONTRACTORS SHALL NOTIFY THE GC OF AFFECTED AREAS PRIOR TO BIDDING] [EACH CONTRACTOR SHALL CUT AND PATCH ROOFS, WALLS, AND FLOORS ASSOCIATED WITH HIS/HER WORK.] THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF CEILINGS, CEILING TILES, AND CEILING GRIDS ASSOCIATED WITH AREAS OF WORK BY ALL CONTRACTORS. NOTIFY THE GENERAL CONTRACTOR OF AFFECTED AREAS PRIOR TO BIDDING. WHERE EXISTING ELECTRICAL SYSTEMS ARE LOCATED IN AREAS THAT CONFLICT WITH NEW EQUIPMENT, PIPING, OR DUCTWORK TO BE INSTALLED, EACH CONTRACTOR SHALL EITHER ARRANGE NEW EQUIPMENT, CONDUIT, OR DUCTWORK EXISTING ELECTRICAL SYSTEMS TO ALLOW FOR INSTALLATION OF NEW EQUIPMENT, PIPING, OR DUCTWORK.
T101-SHEET DETAIL IS LOCATED ON	APPLICABLE CODES
BY THIS CONTRACTOR I LINE) UNDERFLOOR OR UNDERGROUND BY THIS CONTRACTOR DASHED LINE) BE REMOVED BY THIS CONTRACTOR	 2019 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 1 2019 CALIFORNIA BUILDING CODE (CBC) CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, P (2018 INTERNATIONAL BUILDING CODE (IBC) W/ 2019 CALIFORNIA AMENDMENTS) 2019 CALIFORNIA ELECTRICAL CODE (CEC) CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24 PART 3 (2017 NATIONAL ELECTRICAL CODE (NEC) W/ 2019 CALIFORNIA AMENDMENTS) 2019 CALIFORNIA ENERGY CODE CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24. PART 6

CAL ABBREVIATION KEY

FLOOR

NTERRUPTER

THERWISE

	BEFORE FABRICATION. RISES AND DROPS MAY BE NECESSARY BECAUSE OF EXISTING
4.	THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CUTTING, REMOVAL AND PATCHING OF ROOFS, WALLS, AND FLOORS ASSOCIATED WITH WORK BY ALL CONTRACTORS. CONTRACTORS SHALL NOTIFY THE GC OF AFFECTED AREAS PRIOR TO BIDDING] [EACH
5.	HIS/HER WORK.] THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF
	CEILINGS, CEILING TILES, AND CEILING GRIDS ASSOCIATED WITH AREAS OF WORK BY ALL CONTRACTORS. NOTIFY THE GENERAL CONTRACTOR OF AFFECTED AREAS PRIOR TO BIDDING.
6.	WHERE EXISTING ELECTRICAL SYSTEMS ARE LOCATED IN AREAS THAT CONFLICT WITH NEW EQUIPMENT, PIPING, OR DUCTWORK TO BE INSTALLED, EACH CONTRACTOR SHALL EITHER ARRANGE NEW EQUIPMENT, CONDUIT, OR DUCTWORK IN SUCH A FASHION THAT IT DOES NOT CONFLICT WITH EXISTING SYSTEMS, OR REWORK EXISTING ELECTRICAL SYSTEMS TO
	ALLOW FOR INSTALLATION OF NEW EQUIPMENT, PIPING, OR DUCTWORK.
	APPLICABLE CODES
	2019 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 1
	2019 CALIFORNIA BUILDING CODE (CBC) CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART (2018 INTERNATIONAL BUILDING CODE (IBC) W/ 2019 CALIFORNIA AMENDMENTS)
	2019 CALIFORNIA ELECTRICAL CODE (CEC) CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 3 (2017 NATIONAL ELECTRICAL CODE (NEC) W/ 2019 CALIFORNIA AMENDMENTS)
	2019 CALIFORNIA ENERGY CODE CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 6
	2019 CALIFORNIA FIRE CODE (CFC) CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 9 (2018 INTERNATIONAL FIRE CODE (IFC) W/ 2019 CALIFORNIA AMENDMENTS)
	2019 CALIFORNIA EXISTING BUILDING CODE CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART10 (2018 INTERNATIONAL EXISTING BUILDING CODE (IEBC))
	2019 CALIFORNIA REFERENCED STANDARDS CODE CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 12
	AMERICANS WITH DISABILITIES ACT (ADA) TITLE II - ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES (ADAG) 1990 STATE FIRE MARSHAL REGULATIONS AND AMENDMENTS TO-DATE
	CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, CALIFORNIA STATE ACCESSIBILITY STANDARDS CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 19
	2019 CALIFORNIA GREEN BUILDING STANDARDS CODE (CAL GREEN), PART II, TITLE 24 C.C.R.
	NFPA 13 STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS (CA AMENDED) 2016 EDITION
	NFPA 14 STANDARD FOR THE INSTALLATION OFSTANDPIPE AND HOSE SYSEMS (CA AMENDED) 2016 EDITION
	NFPA 17 STANDARD FOR DRY CHEMICAL EXTINGUISHING SYSTEMS 2017 EDITION
	NFPA 17A STANDARD FOR WET CHEMICAL EXTINGUISHING SYSTEMS 2017 EDITION
	NFPA 20 STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTON 2016
	NFPA 22 STANDARD FOR WATER TANKS FOR PRIVATE FIRE PROTECTION 2013 EDITION
	NFPA 24 STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES (CA AMENDED) 2016 EDITION
	NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE (CA AMENDED) 2016 EDITION
	NFPA 80 STANDARD FOR FIRE DOORS AND OTHER OPENING PROTECTIVES 2016 EDITION
	NFPA 2001 STANDARD ON CLEAN AGENT FIRE EXTINGUISHING SYSTEMS (CA AMENDED) 2015 EDITION
	NFPA 300 STANDARD FOR FIRE TESTING OF FIRE EXTINGUISHING SYSTEMS FOR PROTECTION OF COMMERCIAL COOKING EQUIPMENT 2015 (R2010)
	UL 464 AUDIBLE SIGNALING DEVICES FOR FIRE ALARM AND SIGNALING SYSTEMS, INCLUDING ACCESSORIES 2003 EDITION
	UL 521 STANDARD FOR HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS 1999 EDITION
	UL 1971 STANDARD FOR SIGNALING DEVICES FOR THE HEARING IMPAIRED 2002 (R2012)
	ICC 300 STANDARD FOR BLEACHERS, FOLDING AND TELESCOPIC SEATING, AND GRANDSTANDS 2017 EDITION
O CA	R A COMPLETE LIST OF APPLICABLE NFPA STANDARDS REFER TO 2019 CBC (SFM) CHAPTER 35 AND LIFORNIA FIRE CODE (CFC) CHAPTER 80.
RE "HI	FER TO CALIFORNIA BUILDING CODE, CHAPTER 35, FOR STATE OF CALIFORNIA AMENDMENTS TO E NFPA STANDARDS.

INSTALL DEVICE AT 18" ABOVE FINISHED FLOOR.

INSTALL ABOVE COUNTER DEVICE AT 44" ABOVE FINISHED FLOOR.

INSTALL ABOVE COUNTER DEVICE AT 40" ABOVE FINISHED FLOOR. **CBC/ADA GUIDELINES - FRONT ACCESS**

NOTES: 1. PROVIDE A 30"Wx27"Hx19"D MINMUM TOE/KNEE CLEARANCE FOR FRONT APPROCH OVER OBSTRUCTION

CBC/ADA STANDARDS FOR ACCESSIBLE DESIGN

ELECTRICAL INSTALLATION NOTES:

1. THE COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE ADA STANDARDS FOR ACCESSIBLE DESIGN. REFER TO THE ADA GUIDELINES FOR ALL CONFIGURATION DETAILS ON THIS PAGE FOR ADDITIONAL INFORMATION. 2. CIRCUIT NUMBERS ARE SHOWN FOR CIRCUIT IDENTIFICATION. CIRCUITING SHALL AGREE WITH NUMBERING ON THE PANEL PROVIDED. COMMON NEUTRALS MAY NOT BE USED FOR BRANCH CIRCUITS. BALANCE THE LOAD ON PANEL AS EVENLY AS POSSIBLE BETWEEN EACH PHASE. 3. FLUSH MOUNT ALL LIGHTING CONTROL DEVICES AT +42" FROM FLOOR (CENTERLINE DIMENSION), EXCEPT WHERE OTHERWISE NOTED. DEVICES MAY BE SURFACE MOUNTED WHEN CONDUIT IS SPECIFIED EXPOSED. 4. FLUSH MOUNT ALL DUPLEX RECEPTACLES AND TECHNOLOGY OUTLETS AT +18" FROM FLOOR (CENTERLINE DIMENSION), EXCEPT WHERE OTHERWISE NOTED. RECEPTACLES AND OUTLET'S MAY BE SURFACE MOUNTED WHEN CONDUIT IS SPECIFIED EXPOSED. 5. ALL MATERIALS USED TO SEAL PENETRATIONS OF FIRE RATED WALLS AND FLOORS SHALL BE TESTED AND CERTIFIED AS A SYSTEM PER ASTM E814 STANDARDS FOR FIRE TESTS OF THROUGH-PENETRATION FIRESTOPS. REFER TO [27 05 03 AND 28 05 03] [DIVISION 7] [26 05 03] FOR ADDITIONAL INFORMATION AND REQUIREMENTS SPECIFIC TO FIRESTOPPING. 6. CONNECTION FOR ELECTRIC WATER COOLERS (EWC) SHALL BE A JUNCTION BOX CONCEALED BEHIND WATER COOLER ACCESS PLATE OR BE A GFI RECEPTACLE LOCATED DIRECTLY BELOW AND CENTERED ON EWC. CONTRACTOR SHALL VERIFY TYPE OF EWC TO BE INSTALLED. 7. MOUNT ALL FIRE ALARM PULL STATIONS AT +42" FROM FLOOR (CENTERLINE DIMENSION) EXCEPT WHERE OTHERWISE NOTED. 8. INSTALL ALL WALL MOUNTED FIRE ALARM NOTIFICATION DEVICES AT 90" ABOVE FINISHED FLOOR OR 6" BELOW THE CEILING, WHICHEVER IS LOWER, EXCEPT WHERE OTHERWISE NOTED. HEIGHT SHALL BE MEASURED TO THE TOP OF THE DEVICE. 9. CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL CEILING MOUNTED DEVICES AND EQUIPMENT WITH LUMINAIRES, SPRINKLER, AND CEILING DIFFUSERS. CENTER ALL DEVICES IN CEILING TILE PATTERN. SMOKE DETECTORS AND OCCUPANCY/VACANCY SENSORS SHALL BE LOCATED NO CLOSER THAN 3 FEET TO AN AIR SUPPLY DIFFUSER OR RETURN GRILLE. 10. CONTRACTOR SHALL VERIFY ALL FURNITURE, MODULAR FURNITURE, AND EQUIPMENT LOCATIONS WITH ARCHITECTURAL PLANS, ELEVATIONS, AND REVIEWED SHOP DRAWINGS. PRIOR TO MAKING THE ACTUAL ELECTRICAL INSTALLATION, THIS CONTRACTOR SHALL ADJUST RECEPTACLES, OUTLETS, OR CONNECTION LOCATIONS TO ACCOMMODATE FURNITURE AND/OR EQUIPMENT. 11. ELECTRICAL AND TECHNOLOGY EQUIPMENT SHALL BE MOUNTED TO AVOID IMPEDANCE OF, OPERATION OF, AND/OR ACCESS TO ELECTRICAL AND MECHANICAL EQUIPMENT. ALL MOUNTING OF ELECTRICAL AND TELECOMMUNICATIONS EQUIPMENT, ON EQUIPMENT SUPPLIED BY ANOTHER CONTRACTOR, SHALL BE APPROVED IN ADVANCE BY THE OTHER CONTRACTOR. 12. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS REQUIRED IN WALLS. ALL OPENINGS SHALL BE REPAIRED TO MATCH EXISTING BY A QUALIFIED CONTRACTOR AT THE EXPENSE OF THIS CONTRACTOR. ALL CONDUITS THROUGH WALLS SHALL BE GROUTED OR SEALED INTO OPENINGS. 13. ALL WELDING SHALL BE ACCORDING TO AMERICAN WELDING SOCIETY STANDARDS. CONTRACTOR SHALL FURNISH TO THE ARCHITECT/ENGINEER CERTIFICATES QUALIFYING EACH WELDER, PRIOR TO START OF WORK. THE ARCHITECT/ENGINEER RESERVES THE RIGHT TO REQUIRE QUALIFYING DEMONSTRATION, AT THE CONTRACTOR'S EXPENSE, OF ANY WELDERS ASSIGNED TO THE JOB.

14. CONTRACTOR SHALL REMOVE AND REINSTALL ALL CEILING TILES AS REQUIRED FOR THE EXECUTION OF ELECTRICAL WORK. CONTRACTOR SHALL REPLACE CEILING TILES WITH IDENTICAL MATERIAL WHERE DAMAGED BY THIS CONTRACTOR. 15. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN, ELECTRICAL, TECHNOLOGY AUDIO/VISUAL, AND OTHER ELECTRICAL PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED DEVICES, OTHER THAN SPRINKLERS. 16. ELECTRICAL INDENTIFICATION. REFER TO SPECIFICATION SECTION FOR COLOR/LABEL REQUIREMENTS FOR CONDUIT, BOX, CABLE/WIRE, AND EQUIPMENT.

ELECTRICAL SHEET INDEX		
	ELECTRICAL COVERSHEET	
	LEGEND	
	GENERAL NOTES	
	SINGLE LINE DIAGRAM	
	POWER SITE PLAN	
	SIGNAL SITE PLAN	
	FIRE ALARM SITE PLAN	
	POWER FLOOR PLAN	
	SIGNAL FLOOR PLAN	
	FIRE ALARM FLOOR PLAN	
	DETAILS	
	DETAILS	
	TECHNOLOGY RISER DIAGRAMS	
	FA SCHEDULES, CALCS & NOTES	
	FIRE ALARM DETAILS	
AL: 15		

CBC/ADA GUIDELINES - SIDE ACCESS

	ELECTRICAL SYMBOLS	ELECTRICAL SYMBOLS		ELECTRICAL SYMBOLS ELECTR	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
AV1 AV2 AV3	 FLUSH WALL MOUNTED MEDIA LINK CONTROLLER AT +48" REFER TO STUB UP (2)1" CONDUIT TO CEILING SPACE. REFER TO DETAIL #2 ON E5-22 FOR WIRING REQUIREMENTS. PROVIDE CAT-6E DATA CABLE FROM DATA CABINET TO WALL CONTROLLER. PROVIDE 2 GANG EXTRA DEEP OUTLET BOX. FLUSH WALL MOUNTED TEACHERS PC CONNECTIVITY OUTLET AT +18" (EXTRON # PVT SW HDMI RGB D) STUB UP (2) 1" CONDUITS OR WIREMOLD TYPE SURFACE METAL RACEWAY TO CEILING SPACE. REFER TO DETAIL #2 ON E5-22 FOR WIRING REQUIREMENTS. PROVIDE 2 GANG EXTRA DEEP OUTLET BOX. CEILING MOUNTED EXTRON POLE VAULT SYSTEM WITH LCD PROJECTOR AND SWITCHER. REFER TO MOUNTING DETAIL #1 ON E5-22 FOR INSTALLATION OF POLE VAULT SYSTEM AND REFER TO DETAIL #2 ON E5-22 FOR WIRING REQUIREMENTS. PROVIDE CAT 6E CABLE FROM IDF CABINET. WALL MOUNTED EXTRUSION WALL VAULT SYSTEM WITH ULTRA SHORT THROUGH LCD PROJECTOR AND SWITCHER. REFER TO DETAIL #9 ON E5-21 FOR INSTALLATION AND DETAIL #2 ON E5-22 FOR WIRING REQUIREMENT, PROVIDE CAT-6E CABLE FROM IDF CABINET. 	Imposite Imposite A-1,3 Imposite Imposite	METER MOTOR HOMERUN TO CIRCUITS 1 & 3 IN PANEL "A", PROVIDE DEDICATED NEUTRAL FOR EACH 120V/277V CIRCUIT (2 HOTS, 1 NEUTRAL & 1 GROUND) 3/4"C-2#12 & 1#12 GND 3/4"C-3#12 & 1#12 GND 3/4"C-4#12 & 1#12 GND CONDUIT CONCEALED IN WALLS OR CEILING CONDUIT UNDERGROUND CONDUIT/RACEWAY/WIREMOLD GOING UP CONDUIT/RACEWAY/WIREMOLD GOING DOWN STUBBED AND CAPPED CONDUIT		DUPLEX RECEPTACLE, FLUSH WALL-MOUNTED AT +18" UON (20A, 120V, 2-POLE, 3-WIRE, U.O.N.) DUPLEX RECEPTACLE, FLUSH WALL-MOUNTED AT +18" UON, WI GROUND FAULT CIRCUIT INTERRUPTER (GFCI) (20A, 120V, 2-POLE, 3-WIRE, U.O.N.) DOUBLE DUPLEX RECEPTACLE, FLUSH WALL-MOUNTED AT +18" UON (20A, 120V, 2-POLE, 3-WIRE, U.O.N.) SINGLE RECEPTACLE, FLUSH WALL-MOUNTED AT +18" UON (20A 120V, 2-POLE, 3-WIRE, U.O.N.) SPECIAL PURPOSE RECEPTACLE, FLUSH WALL-MOUNTED AT +1 UON, RATING AND CONFIGURATION AS INDICATED ON PLAN(S). DUPLEX RECEPTACLE, FLUSH FLOOR MOUNTED USE WIREMOL EVOLUTION EFB10 SERIES FROM BOX FOR POWER AND DATA INSTALLATION. DOUBLE DUPLEX RECEPTACLE, FLUSH FLOOR MOUNTED USE WIREMOLD # EVOLUTION EFB10 SERIES FROM BOX FOR POWER DATA INSTALLATION.
S	FLUSH CEILING MOUNTED 2'x2' SELF-AMPLIFIED SPEAKER WITH BACKBOX FOR AUDIO/VISUAL SYSTEM. REFER TO DETAIL #-2 ON E5-23 FOR WIRING REQUIREMENTS.		CONDUIT SLEEVE FLEXIBLE CONDUIT		DUPLEX RECEPTACLE, MOUNTED ON LCD PROJECTOR MOUNTING PLATE FOR LCD PROJECTOR/SWITCHER. DOUBLE DUPLEX RECEPTACLE, FLUSH CEILING-MOUNTED
PP	PRIORITY PAGE SENSOR MOUNTED ON ROOM PA SPEAKER CCTV CAMERA, WITH MOUNTING BRACKET RUN 1"C (FOR DATA) TO CEILING SPACE AND PULL (2) CAT-6E CABLES TO IDF CABINET. PROVIDE DATA OUTLET WITH (2) DATA JACKS IN WP BOX AT 12" BELOW OVER	J J C J VAV	JUNCTION BOX CONCEALED IN CEILING JUNCTION BOX FLUSH CEILING MOUNTED JUNCTION BOX FOR POWER TO VAV BOX. COORDINATE WITH MECHANICAL FOR EXACT LOCATION AND REQUIREMENT PRIOR TO INSTALLATION. PROVIDE HP RATED SWITCH ON VAV BOX	↔ A	DUPLEX RECEPTACLE LOCATED IN CEILING SPACE MOUNT RECEPTACLE TO ROOF STRUCTURE. DOUBLE DUPLEX RECEPTACLE, MOUNTED ON LCD PROJECTOR MOUNTING PLATE FOR LCD PROJECTOR/SWITCHER.
(IR)	HANG/ROOF LINE. 360° SECURITY SYSTEM MOTION DETECTOR, CEILING MOUNTED. PROVIDE 4S JUNCTION BOX FOR MOUNTING AND RUN 3/4" CONDUIT TO SECURITY TERMINAL CABINET/CONTROL PANEL AND PULL CABLE FROM DEVICE TO CONTROL PANEL PER SPECIFICATION	ل ب ب (E) —	JUNCTION BOX FLUSH FLOOR MOUNTED WALL-MOUNTED JUNCTION BOX AT +18" UON EXISTING CONDUIT/WIRES TO REMAIN	₩A	DOUBLE DUPLEX RECEPTACLE LOCATED IN CEILING SPACE MOUNT RECEPTACLE TO ROOF STRUCTURE.
(IR) W	SECURITY SYSTEM MOTION DETECTOR, WALL MOUNTED AT +8'-0". PROVIDE 4S JUNCTION BOX FOR MOUNTING AND RUN 3/4 " CONDUIT OR WIREMOLD TYPE SURFACE METAL RACEWAY SECURITY TERMINAL CABINET/ CONTROL PANEL AND PULL CABLE TO FROM DEVICE TO CONTROL PANEL PER SPECIFICATION	—— (EA)—— —— (EX)—— —— (R)——	EXISTING CONDUIT TO REMAIN. PULL OUT WIRES REWIRE EXISTING CONDUIT RUN. PULLOUT EXISTING WIRES AND PULL NEW WIRES EXISTING CONDUIT/WIRES TO BE REMOVED		
(IC)	FLUSH CEILING MOUNTED TWO WAY PA SPEAKER WITH BACK BOX AND MICROPHONE FOR HAND FREE TWO WAY COMMUNICATION TO MATCH BOGEN PA SYSTEM AND BACK-BOX. PROVIDE T-BAR HANGER TO SUPPORT TO SUPPORT BACKBOX. RUN WEST PENN #355 CABLE PA CABLE TO PA TERMINAL BLOCK. BOGEN 586T72PG8W WITH LOWELL P8756 BACK BOX, SS24 TYPE SUPPORT RAIL AND LOWELL JG86 GRILLE OR BOGEN #CSD2X2. PROP IN SPEAKER.	(E) (R) (RL) (RE)	EXISTING DEVICE TO REMAIN EXISTING DEVICE TO BE REMOVED RELOCATE EXISTING DEVICE RELOCATED EXISTING DEVICE ELECTRICAL PANELBOARD, FLUSH-MOUNTED ELECTRICAL PANELBOARD, SURFACE-MOUNTED		
K	PROVIDE SECURITY SYSTEM KEY PAD, WALL MOUNTED AT +48". PROVIDE 2-GANG OUTLET BOX AND PULL CABLE FROM DEVICE TERMINAL CABINET/ CONTROL PANEL TO CONTROL PANEL PER SPECIFICATION	 F-	ELECTRICAL SWITCHBOARD OR DISTRIBUTION BOARD DISCONNECT SWITCH, F REPRESENTS FUSE		
(PA) WP	WEATHERPROOF EXTERIOR PA SPEAKER WITH CUSTOM COLOR TO MATCH WALL FINISH SPEAKER GRILL AND 9"x9"x6" SQUARE BACKBOX FOR BOGEN PA SYSTEM. PROVIDE FLUSH WALL MOUNTED AT +96" AND RUN 3/4" CONDUIT PA TO ACCESSIBLE CEILING SPACE AND PULL SHIELDED PA CABLE TO PA TERMINAL BLOCK. BOGEN #FMH15T WITH BBFM6 FLUSH MOUNT BACKBOX, FMHAR8 ADAPTOR RING AND SGHB8 GRILLE.	1 ⊠⊣ S _M S⊤	COMBINATION MAGNETIC MOTOR STARTER AND FUSED DISCONNECT SWITCH WITH AUXILIARY CONTACT AND CONTROL TRANSFORMER IN OVER SIZED NEMA-3R ENCLOSURE. MANUAL MOTOR STARTER DISCONNECT SWITCH WITH THERMAL OVERLOAD UNITS TELEPHONE BACKBOARD		
\bigcirc	WALL MOUNTED BATTERY OPERATED 18" ROUND INNOVATION WIRELESS CLOCK PER DISTRICT STANDARD TO MATCH SCHOOL SITES. THE CONTRACTOR SHALL VERIFY EXISTING SCHOOL SITE MASTER CLOCK SYSTEM.		SIGNAL TERMINAL CABINET SINGLE PORT DATA OUTLET WITH SINGLE GANG BOX FLUSH IN WALL, +18" AFF, UON. STUB-UP 3/4" CONDUIT OR WIREMOLD TYPE SURFACE METAL RACEWAY TO ACCESSIBLE CEILING . RUN (1)		
SHEET	X = DETAIL NUMBER DESIGNATION SHEET = SHEET NUMBER	2	DUAL PORT DATA OUTLET WITH SINGLE GANG BOX FLUSH IN WALL +18" AFF, STUB-UP 1" CONDUIT OR WIREMOLD TYPE SURFACE METAL RACEWAY TO ACCESSIBLE CEILING SPACE OR CABLE TRAY. RUN (2) FOUR PAIR CAT-6E CABLES FROM OUTLET TO DATA CABINET		
	DISCONNECT SWITCH, FUSED	3 ►	THREE PORT DATA OUTLET WITH SINGLE GANG BOX FLUSH IN WALL +18" AFF PROVIDE TWO-GANG OUTLET BOX, STUB-UP 1 1/4" CONDUIT OR WIREMOLD TYPE SURFACE METAL RACEWAY TO ACCESSIBLE . RUN (3) FOUR PAIR CAT-6E CABLES CEILING SPACE OR CABLE TRAY FROM OUTLET TO DATA CABINET		
	FLUSH WALL MOUNTED PA SYSTEM CALL BUTTON FOR HAND FREE TWO WAY COMMUNICATION AT +48". BOGEN #CA15C. PROVIDE SINGLE GANG OUTLET BOX AND RUN 3/4"CONDUIT IN CEILING SPACE AND PULL WEST PENN #355 PA CABLE TO ROOM PA SPEAKER/TERMINAL BLOCK.	W	DATA OUTLET FOR WALL MOUNTED IP PHONE AT +48". PROVIDE SUITABLE STAINLESS STEEL COVER PLATE TO MOUNT PHONE. STUB UP 3/4" CONDUIT OR WIREMOLD TYPE SURFACE METAL RACEWAY TO ACCESSIBLE CEILING SPACE OR CABLE TRAY AND PUIL (1) CAT-6F CABLE TO DATA CABINET.		
IC	DESK TOP ADMINISTRATIVE PHONE. BOGEN #MCDS4.	(A) AP	FLUSH CEILING MOUNTED DATA OUTLET (2 GANG EXTRA DEEP BOX WITH SINGLE MUD RING) WITH (2) CAT-6 4-PAIR MODULAR JACKS AND FACEPLATE FOR WIRELESS ACCESS POINT. RUN (2) CAT-6E DATA CABLES TO DATA CABINET.		
		AP ► W	WALL MOUNTED DATA OUTLET (2 GANG EXTRA DEEP BOX WITH SINGLE MUD RING) BETWEEN 8' AND 10' WITH (2) CAT-6E 4-PAIR MODULAR JACKS AND FACEPLATE FOR WIRELESS ACCESS POINT. LOCATE WITHIN THREE FEET OF CORNER. RUN 1" CONDUIT OR WIREMOLD TYPE SURFACE METAL RACEWAY TO ACCESSIBLE CEILING SPACE OR CABLE TRAY OR DATA ROOM AND PULL (2) CAT-6E DATA CABLES TO DATA CABINET.		
		3	CEILING MOUNTED DATA OUTLET WITH (3) DATA JACKS. RUN (3) CAT 6E DATA CABLE TO IDF CABINET. PROVIDE SINGLE GANG RECESSED CEILING MOUNTED OUTLET BOX.		
		THIS IS A G THIS SPECI REFER TO S	ENERAL SYMBOL LIST SHEET. SOME SYMBOLS MAY NOT BE USED ON FIC PROJECT. SHEET E6.21 FOR FIRE ALARM SYSTEM SYMBOLS AND REQUIREMENT.		

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DISC	DISCONNEC
DN DSA	DOWN DEPARTMEN
DWG	DRAWING
EA EMERG	EACH
EQUIP	EQUIPMENT
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FACP	
FG	FINISHED FL
FLA FLUOR	FULL LOAD A
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GFCI	GROUND FAI
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00	ON CENTER
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тс	TIME CLOCK
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wn WP	WEATHERPF
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RE RE FRAME RATING	MEP COMPONENT ANCHORAGE NOTES	3. ALL ELECTRICAL PREFABRICATED EQUIPMENT SHALL BE DESIGNED AND CONSTRUCTED IN SUCH A MANNER THAT ALL PORTIO
E FINISHED FLOOR E FINISHED GRADE		THE EQUIPMENT AS A WHOLE INCLUDING ITS ATTACHMENTS, WILL RESIST A LOAD WHICH EXCEEDS THE FORCE LEVEL USED TO RESTRA
RE INTERRUPTING CAPACITY RE TRIP RATING		AND ANCHOR THE EQUIPMENT TO THE SUPPORTING STRUCTURE.
IATIC TRANSFER SWITCH CAN WIRE GAUGE	AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL	SHALL BE LISTED BY UNDERWRITER'S LABORATORIES (UL) AND BEAR THEIR LABEL, OR LISTED AND CERTIFIED BY A NATIONALLY
OARD	PRESCRIBED IN THE 2019 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTERS 13, 26 AND 30.	RECOGNIZED TESTING AUTHORITY WHERE UL DOES NOT HAVE A LISTING. CUSTOM MADE EQUIPMENT SHALL HAVE COMPLETE TEST
NG ER	1. ALL PERMANENT EQUIPMENT AND COMPONENTS.	IN ADDITION, THE MATERIALS, EQUIPMENT, AND INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS OF THE FOLLOWING:
JIT 	2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS	AMERICAN SOCIETY OF TESTING MATERIALS (ASTM)
	3. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH	(IPCEA) NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
G	TEMPORARY ATTACHMENTS.	(NEMA) AMERICAN STANDARD ASSOCIATION (ASA)
JIT ONLY RETE	THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT THE ATTACHMENT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED	AMERICAN NATIONAL STANDARD INSTITUTE (ANSI) CALIFORNIA ELECTRICAL CODE (CEC) - 2019 EDITION
R	BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.	CALIFORNIA CODE OF REGULATIONS TITLE 24 (CCR) INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS
- NNECT	A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.	(IEEE) ALL LOCAL CODES HAVING JURISDICTION.
RTMENT OF STATE ARCHITECT	B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE	WHERE THE CODES HAVE DIFFERENT LEVELS OF REQUIREMENTS, THE MOST STRINGENT RULE SHALL APPLY.
NG	SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.	5. THE CONTRACTOR SHALL VISIT THE SITE INCLUDING ALL AREAS INDICATED ON THE DRAWINGS. HE SHALL THOROUGHLY FAMILIARIZE
GENCY	FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE DSA DISTRICT STRUCTURAL ENGINEER.	HIMSELF WITH THE EXISTING CONDITIONS AND BY SUBMITTING A BID, ACCEPTS THE CONDITIONS UNDER WHICH HE SHALL BE REQUIRE TO PERFORM HIS WORK
RICAL	THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.	 IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A
NG RIC WATER COOLER	2. PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE.	SPECIFICATIONS. HE SHALL CHECK THE DRAWINGS OF THE OTHER TRADES AND SHALL CAREFULLY READ THE ENTIRE SPECIFICATIONS
NG	PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO	AND DETERMINE HIS RESPONSIBILITIES. FAILURE TO DO SO SHALL NOT RELEASE THE CONTRACTOR FROM DOING THE WORK IN COMPLE
LARM	COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.5.6, 13.6.7, 13.6.8, AND 2019 CBC, SECTIONS 1616A 1 24, 1616A 1 25 AND 1616A 1 26	ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS.
LARM CONTROL PANEL ED FLOOR	THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE	CONCRETE PADS, TRANSFORMERS, RISERS, MANHOLES, PULL BOXES AND PROTECTIVE COVERING FROM SERVICE LOCATION SHALL BE
ED GRADE OAD AMPS	IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G., SMACNA	PROVIDED AND INSTALLED, AND SHALL BE VERIFIED WITH THE SERVING UTILITY COMPANY. THE CONTRACTOR SHALL INSTALL THE
ESCENT	OR OSHPD OPM), 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	SERVICE IN COMPLIANCE WITH THE SERVING UTILITY COMPANY, AND SHALL PAY ALL CHARGES LEVIED BY THE SERVING UTILITY COMPANY FOR HIS SERVICE EXCEPT THE FIRST BILLING DEPOSIT. WHERE THE
RATOR ND FAULT CIRCUIT INTERRUPTER	OF RECORED SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.	CONTRACT DOCUMENTS ARE MORE RESTRICTIVE, THE DOCUMENTS S GOVERN.
ND	MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP),	8. THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, FEES, CHARGES, AND INCIDENTAL COSTS NECESSARY FOR EXECUTIO
OFF-AUTOMATIC E POWER	$MP \square MD \square PP \square E \square OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH$	AND COMPLETION OF ELECTRICAL WORK, INCLUDING ALL CHARGES E STATE, COUNTY AND LOCAL GOVERNMENTAL AGENCIES.
Τ		9. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES AT THE SITE. ANY COSTS TO INSTALL WORK TO ACCOMPLISH
FED GROUND DESCENT	MP MD PP EX OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM #) #0043-13.	SAID COORDINATION WHICH DIFFERS FROM THE WORK AS SHOWN ON THE DRAWINGS SHALL BE INCURRED BY THE CONTRACTOR. ANY DISCREPANCIES, AMBIGUITIES OR CONFLICTS SHALL BE BROUGHT TO
ABLE SHORT CIRCUIT CURRENT		THE ATTENTION OF THE [ARCHITECT DURING BID TIME FOR CLARIFICATION. ANY SUCH CONFLICTS NOT CLARIFIED PRIOR TO
SAND CIRCULAR MILLS		BID SHALL BE SUBJECT TO THE INTERPRETATION OF THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.
OLT OLT-AMPERE		10. THE CONTRACTOR SHALL PROVIDE AND KEEP UP-TO-DATE A COMPLETE RECORD SET OF DRAWINGS. THESE PRINTS SHALL BE
ATT		DRAWINGS. THIS SET OF DRAWINGS SHALL BE KEPT ON THE JOB SITE AND SHALL BE USED ONLY AS A RECORD SET. THIS SHALL NOT
CONTINUOUS LOAD NG		BE CONSTRUED AS AUTHORIZATION FOR THE CONTRACTOR TO MAKE CHANGES IN THE LAYOUT WITHOUT DEFINITE INSTRUCTION IN EACH
OLTAGE		CASE. UPON COMPLETION OF THE WORK, A SET OF REPRODUCIBLE CONTRACT DRAWINGS SHALL BE OBTAINED FROM THE ARCHITECT, A ALL CHANGES AS NOTED ON THE RECORD SET OF DRAWINGS SHALL
UM R CONTROL CENTER		INCORPORATED THEREON WITH BLACK INK IN A NEAT, LEGIBLE, UNDERSTANDABLE AND PROFESSIONAL MANNER. FAILURE TO KEEP
JM FED		RECORD DRAWINGS UP-TO-DATE SHALL CONSTITUTE CAUSE FOR WITHHOLDING OF PROGRESS PAYMENTS.
TING		11. IN SOME INSTANCES, IT MAY BE NECESSARY TO DEFER WORK IN CERTAIN AREAS AND LOCATIONS UNTIL SUCH TIME AS EXISTING
NAL ELECTRICAL CODE NAL ELECTRICAL		FACILITIES CAN BE TEMPORARILY OR PERMANENTLY REARRANGED I THE OWNER BUILDING AUTHORITY. THEREFORE, WHENEVER IT
ALLY CLOSED		BECOMES NECESSARY FOR THE CONTRACTOR TO PERFORM WORK THIS CONTRACT IN EXISTING AREAS IN WHICH THE OWNER'S WORK I BEING DEPEODMED. THE CONTRACTOR SHALL ADVISE THE APCHITE
USED I CONTRACT		AND THE OWNER RELATIVE TO THIS REQUIREMENT AND SHALL FOLL CLOSELY THE DIRECTIVE ISSUED BY THE ARCHITECT INSOFAR AS
		TIME AND PROCEDURE ARE CONCERNED. THE CONTRACTOR SHALL INCLUDE IN HIS BID ALL PREMIUM TIME TO WHICH HE MAY BE SUBJECTED FOR DEPEODMING WORK IN SUCH PROCEDURE AND AT
D SCALE		TIMES AS MAY BE NECESSARY TO CAUSE THE LEAST INTERFERENCE WITH THE OPERATIONS OF THE OWNER.
NTER		12. ALL INTERRUPTION OF ELECTRICAL POWER SHALL BE KEPT TO A
DE DIAMETER		MINIMUM. HOWEVER, WHEN AN INTERRUPTION IS NECESSARY, THE SHUTDOWN MUST BE COORDINATED WITH THE OWNER AND ENGINE DAYS PRIOR TO THE OUTAGE ANY OVERTIME PAY SHALL BE
DR PHASE CADDRESS		INCLUDED IN THE CONTRACTOR'S BID.
BOX R FACTOR		13. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE TEMPORARY POWER FACILITIES AND CONNECTIONS FOR ALL FEEDE OR SYSTEMS BEING DISCONNECTED IN ORDER TO MAINTAIN SYSTEM
3		IN OPERATION OR WHERE SAID FEEDERS OR SYSTEMS REQUIRE EMERGENCY STANDBY POWER.
INYL CHLORIDE		14. SHOP DRAWINGS SHALL BE SUBMITTED WITHIN THIRTY DAYS AFTER AWARD OF THE CONTRACT. THE CONTRACTOR SHALL SUBMI
TITY RUPLEX		EIGHT COPIES OF A COMPLETE LIST OF MATERIALS AND EQUIPMENT INCLUDING MANUFACTURER AND MODEL NUMBER PROPOSED FOR T
RED		JOB. SHOP DRAWINGS SHALL INCLUDE JOB DESCRIPTION, ARCHITED AND ENGINEER IDENTIFICATION, AND ALL DATA WITH CAPACITIES, SIZES, DIMENSIONS, CATALOG NUMBERS. AND MANUFACTURER'S
REMENT GALVANIZED STEEL		BROCHURES. SHOP DRAWINGS SHALL BE SUBMITTED FOR ITEMS LISTED IN SPECIFICATIONS. PARTIAL, INCOMPLETE, OR UNBOUND
		SUBMITTALS WILL BE RETURNED WITHOUT REVIEW.
FICATION		DRAWINGS HAVE BEEN FULLY COMPLETED, REPRESENTATIVES OF T OWNER WILL INSPECT THE WORK. THE CONTRACTOR SHALL PROVI
H HBOARD		COMPETENT PERSONNEL TO DEMONSTRATE THE OPERATION OF A ITEM OR SYSTEM [TO THE FULL SATISFACTION OF EACH REPRESE FINAL ACCEPTANCE OF THE WORK WILL BE MADE BY THE OWNER
LOCK		AFTER RECEIPT OF APPROVAL AND RECOMMENDATION OF ACCEPTA FROM EACH REPRESENTATIVE].
HONE NAL		16. THE CONTRACTOR SHALL FURNISH A ONE YEAR WRITTEN
		SUBSTANTIAL COMPLETION.
RGROUND RWRITERS LABORATORY		17. ALL FINAL CONNECTIONS TO OWNER FURNISHED EQUIPMENT SHALL BE MADE BY THE CONTRACTOR.
ERRUPTIBLE POWER SUPPLY S OTHERWISE NOTED		18. EXACT METHOD AND LOCATION OF CONDUIT PENETRATION AND OPENINGS IN CONCRETE WALLS OR FLOORS OR STRUCTURAL ST
		MEMBERS SHALL BE AS DIRECTED BY THE ARCHITECT AND REVIE APPROVED BY DSA. PERFORM CORING, SAW CUTTING, PATCHING
AMPERE BLE FREQUENCY DRIVE		REFINISHING OF EXISTING WALLS AND SURFACES WHEREVER IT NECESSARY TO PENETRATE. NO STRUCTURAL MEMBER, FLOOR SHALL BE CUT NOTCHED OF POPED UNUESS SPECIFICATION FOR
		THE APPROVED PLANS OR REVIEWED AND APPROVED BY THE AF OF RECORD AND DSA PRIOR TO BEGINNING SUCH WORK. OPFNIN
HERPROOF		SHALL BE SEALED IN AN APPROVED METHOD TO MEET THE FIRE OF THE PARTICULAR WALL, FLOOR OR CEILING. EXACT METHOD
IERTIGHT		WALLS OR FLOORS SHALL BE UL APPROVED.
		19. ROUTE EXPOSED CONDUIT AND CONDUIT ABOVE ACCESSIBLE CEILING SPACES PARALLEL AND PERPENDICULAR TO WALLS AND
JS DEGREE/FARENHEIT DEGREE		ADJACENT PIPING. ARRANGE CONDUIT TO MAINTAIN HEADROOM AN TO PRESENT A NEAT APPEARANCE.
		20. CONDUIT SHALL NOT BE INSTALLED IN ANY FLOOR SLAB. CONDUIT SHALL BE INSTALLED CONCEALED IN THE CEILING SPACE,
		CONCEALED IN WALLS, OR BELOW SLAB ON GRADE UNLESS NOTED OTHERWISE.

GENERAL NOTES ELECTRICAL PREFABRICATED EQUIPMENT SHALL BE SIGNED AND CONSTRUCTED IN SUCH A MANNER THAT ALL PORTIONS, EMENTS, SUB-ASSEMBLIES AND/OR PARTS OF SAID EQUIPMENT, AND E EQUIPMENT AS A WHOLE INCLUDING ITS ATTACHMENTS, WILL ESIST A LOAD WHICH EXCEEDS THE FORCE LEVEL USED TO RESTRAIN D ANCHOR THE EQUIPMENT TO THE SUPPORTING STRUCTURE. L ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE NEW AND HALL BE LISTED BY UNDERWRITER'S LABORATORIES (UL) AND BEAR EIR LABEL, OR LISTED AND CERTIFIED BY A NATIONALLY ECOGNIZED TESTING AUTHORITY WHERE UL DOES NOT HAVE A STING. CUSTOM MADE EQUIPMENT SHALL HAVE COMPLETE TEST ATA SUBMITTED BY THE MANUFACTURER ATTESTING TO ITS SAFETY. ADDITION, THE MATERIALS, EQUIPMENT, AND INSTALLATION HALL COMPLY WITH THE REQUIREMENTS OF THE FOLLOWING: AMERICAN SOCIETY OF TESTING MATERIALS (ASTM) INSULATED POWER CABLE ENGINEERS ASSOCIATION (IPCEA) NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA) AMERICAN STANDARD ASSOCIATION (ASA) NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) AMERICAN NATIONAL STANDARD INSTITUTE (ANSI) CALIFORNIA ELECTRICAL CODE (CEC) - 2019 EDITION CALIFORNIA CODE OF REGULATIONS TITLE 24 (CCR) INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE) ALL LOCAL CODES HAVING JURISDICTION. HERE THE CODES HAVE DIFFERENT LEVELS OF REQUIREMENTS, E MOST STRINGENT RULE SHALL APPLY. HE CONTRACTOR SHALL VISIT THE SITE INCLUDING ALL AREAS DICATED ON THE DRAWINGS. HE SHALL THOROUGHLY FAMILIARIZE ASELF WITH THE EXISTING CONDITIONS AND BY SUBMITTING A), ACCEPTS THE CONDITIONS UNDER WHICH HE SHALL BE REQUIRED PERFORM HIS WORK. SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A MPLETE SET OF CONTRACT DOCUMENTS, ADDENDA, DRAWINGS AND PECIFICATIONS. HE SHALL CHECK THE DRAWINGS OF THE OTHER ADES AND SHALL CAREFULLY READ THE ENTIRE SPECIFICATIONS D DETERMINE HIS RESPONSIBILITIES. FAILURE TO DO SO SHALL OT RELEASE THE CONTRACTOR FROM DOING THE WORK IN COMPLETE CORDANCE WITH THE DRAWINGS AND SPECIFICATIONS. L ITEMS SUCH AS SERVICE CONDUIT, CONDUCTORS, DUCTS, NCRETE PADS, TRANSFORMERS, RISERS, MANHOLES, PULL BOXES, D PROTECTIVE COVERING FROM SERVICE LOCATION SHALL BE OVIDED AND INSTALLED, AND SHALL BE VERIFIED WITH THE RVING UTILITY COMPANY. THE CONTRACTOR SHALL INSTALL THE RVICE IN COMPLIANCE WITH THE SERVING UTILITY COMPANY, AND HALL PAY ALL CHARGES LEVIED BY THE SERVING UTILITY COMPANY OR HIS SERVICE EXCEPT THE FIRST BILLING DEPOSIT. WHERE THE NTRACT DOCUMENTS ARE MORE RESTRICTIVE, THE DOCUMENTS SHALL OVERN. HE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, ES, CHARGES, AND INCIDENTAL COSTS NECESSARY FOR EXECUTION D COMPLETION OF ELECTRICAL WORK, INCLUDING ALL CHARGES BY TATE, COUNTY AND LOCAL GOVERNMENTAL AGENCIES. HE CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER ADES AT THE SITE. ANY COSTS TO INSTALL WORK TO ACCOMPLISH ID COORDINATION WHICH DIFFERS FROM THE WORK AS SHOWN ON E DRAWINGS SHALL BE INCURRED BY THE CONTRACTOR. ANY CREPANCIES, AMBIGUITIES OR CONFLICTS SHALL BE BROUGHT TO E ATTENTION OF THE JARCHITECT DURING BID TIME FOR ARIFICATION. ANY SUCH CONFLICTS NOT CLARIFIED PRIOR TO SHALL BE SUBJECT TO THE INTERPRETATION OF THE ARCHITECT NO ADDITIONAL COST TO THE OWNER. THE CONTRACTOR SHALL PROVIDE AND KEEP UP-TO-DATE A MPLETE RECORD SET OF DRAWINGS. THESE PRINTS SHALL BE RRECTED DAILY AND SHOW EVERY CHANGE FROM THE ORIGINAL RAWINGS. THIS SET OF DRAWINGS SHALL BE KEPT ON THE JOB TE AND SHALL BE USED ONLY AS A RECORD SET. THIS SHALL NOT CONSTRUED AS AUTHORIZATION FOR THE CONTRACTOR TO MAKE ANGES IN THE LAYOUT WITHOUT DEFINITE INSTRUCTION IN EACH ASE. UPON COMPLETION OF THE WORK, A SET OF REPRODUCIBLE NTRACT DRAWINGS SHALL BE OBTAINED FROM THE ARCHITECT, AND CHANGES AS NOTED ON THE RECORD SET OF DRAWINGS SHALL BE CORPORATED THEREON WITH BLACK INK IN A NEAT. LEGIBLE. DERSTANDABLE AND PROFESSIONAL MANNER. FAILURE TO KEEP ECORD DRAWINGS UP-TO-DATE SHALL CONSTITUTE CAUSE FOR THHOLDING OF PROGRESS PAYMENTS. N SOME INSTANCES, IT MAY BE NECESSARY TO DEFER WORK IN ERTAIN AREAS AND LOCATIONS UNTIL SUCH TIME AS EXISTING ACILITIES CAN BE TEMPORARILY OR PERMANENTLY REARRANGED BY HE OWNER BUILDING AUTHORITY. THEREFORE, WHENEVER IT COMES NECESSARY FOR THE CONTRACTOR TO PERFORM WORK UNDER HIS CONTRACT IN EXISTING AREAS IN WHICH THE OWNER'S WORK IS EING PERFORMED, THE CONTRACTOR SHALL ADVISE THE ARCHITECT ND THE OWNER RELATIVE TO THIS REQUIREMENT AND SHALL FOLLOW OSELY THE DIRECTIVE ISSUED BY THE ARCHITECT INSOFAR AS IME AND PROCEDURE ARE CONCERNED. THE CONTRACTOR SHALL NCLUDE IN HIS BID ALL PREMIUM TIME TO WHICH HE MAY BE UBJECTED FOR PERFORMING WORK IN SUCH PROCEDURE AND AT SUCH MES AS MAY BE NECESSARY TO CAUSE THE LEAST INTERFERENCE TH THE OPERATIONS OF THE OWNER. ALL INTERRUPTION OF ELECTRICAL POWER SHALL BE KEPT TO A INIMUM. HOWEVER, WHEN AN INTERRUPTION IS NECESSARY, THE HUTDOWN MUST BE COORDINATED WITH THE OWNER AND ENGINEER 14 AYS PRIOR TO THE OUTAGE. ANY OVERTIME PAY SHALL BE NCLUDED IN THE CONTRACTOR'S BID. SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE EMPORARY POWER FACILITIES AND CONNECTIONS FOR ALL FEEDERS R SYSTEMS BEING DISCONNECTED IN ORDER TO MAINTAIN SYSTEMS OPERATION OR WHERE SAID FEEDERS OR SYSTEMS REQUIRE MERGENCY STANDBY POWER. SHOP DRAWINGS SHALL BE SUBMITTED WITHIN THIRTY DAYS FTER AWARD OF THE CONTRACT. THE CONTRACTOR SHALL SUBMIT IGHT COPIES OF A COMPLETE LIST OF MATERIALS AND EQUIPMENT CLUDING MANUFACTURER AND MODEL NUMBER PROPOSED FOR THE OB. SHOP DRAWINGS SHALL INCLUDE JOB DESCRIPTION, ARCHITECT ND ENGINEER IDENTIFICATION, AND ALL DATA WITH CAPACITIES, IZES, DIMENSIONS, CATALOG NUMBERS, AND MANUFACTURER'S ROCHURES. SHOP DRAWINGS SHALL BE SUBMITTED FOR ITEMS STED IN SPECIFICATIONS. PARTIAL, INCOMPLETE, OR UNBOUND UBMITTALS WILL BE RETURNED WITHOUT REVIEW.

AFTER ALL REQUIREMENTS OF THE SPECIFICATIONS AND/OR THE RAWINGS HAVE BEEN FULLY COMPLETED, REPRESENTATIVES OF THE WNER WILL INSPECT THE WORK. THE CONTRACTOR SHALL PROVIDE OMPETENT PERSONNEL TO DEMONSTRATE THE OPERATION OF ANY EM OR SYSTEM ITO THE FULL SATISFACTION OF EACH REPRESENTATIVE. NAL ACCEPTANCE OF THE WORK WILL BE MADE BY THE OWNER FTER RECEIPT OF APPROVAL AND RECOMMENDATION OF ACCEPTANCE ROM EACH REPRESENTATIVE].

OPENINGS IN CONCRETE WALLS OR FLOORS OR STRUCTURAL STEEL MEMBERS SHALL BE AS DIRECTED BY THE ARCHITECT AND REVIEWED AND APPROVED BY DSA. PERFORM CORING, SAW CUTTING, PATCHING, AND REFINISHING OF EXISTING WALLS AND SURFACES WHEREVER IT IS NECESSARY TO PENETRATE. NO STRUCTURAL MEMBER, FLOOR OR WALL SHALL BE CUT, NOTCHED OR BORED UNLESS SPECIFICALLY DETAILED ON THE APPROVED PLANS OR REVIEWED AND APPROVED BY THE ARCHITECT OF RECORD AND DSA PRIOR TO BEGINNING SUCH WORK, OPENINGS SHALL BE SEALED IN AN APPROVED METHOD TO MEET THE FIRE RATING OF THE PARTICULAR WALL, FLOOR OR CEILING. EXACT METHOD AND LOCATIONS OF CONDUIT PENETRATIONS AND OPENINGS IN CONCRETE WALLS OR FLOORS SHALL BE UL APPROVED.

21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAWCUTTING. TRENCHING, BACKFILLING, COMPACTION AND PATCHING OF CONCRETE AND ASPHALT AS REQUIRED TO PERFORM HIS WORK. ATTENTION IS CALLED TO THE FACT THAT THERE ARE EXISTING UNDERGROUND UTILITY LINES. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN TRENCHING FOR HIS WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER AND APPROVED REPAIR OF ANY AND ALL DAMAGES CAUSED BY HIM OR HIS WORK.

22. WHENEVER A DISCREPANCY IN QUANTITY OR SIZE OF CONDUIT WIRE, EQUIPMENT DEVICES, CIRCUIT BREAKERS, GROUND FAULT PROTECTION SYSTEMS, ETC. (ALL MATERIALS), ARISES ON THE DRAWINGS OR SPECIFICATIONS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL MATERIAL AND SERVICES REQUIRED BY THE STRICTEST CONDITIONS NOTED ON THE DRAWINGS OR IN THE SPECIFICATIONS TO ENSURE COMPLETE AND OPERABLE SYSTEMS AS REQUIRED BY THE OWNER AND ARCHITECT/ENGINEER.

23. REFER TO SINGLE LINE DIAGRAM AND FEEDER SCHEDULES FOR CONDUIT AND CONDUCTOR SIZE TO PANELS, TRANSFORMERS, MECHANICAL AND PLUMBING EQUIPMENT, ETC. CONDUIT RUNS MAY NOT BE SHOWN ON DRAWINGS, BUT ARE PART OF THIS CONTRACT.

24. STRAIGHT FEEDER, BRANCH CIRCUIT, AND CONDUIT RUNS SHALL BE PROVIDED WITH SUFFICIENT PULL BOXES OR JUNCTION BOXES TO LIMIT THE MAXIMUM LENGTH OF ANY SINGLE CABLE PULL TO 100 FEET. PULL BOXES SHALL BE SIZED PER CODE OR AS INDICATED ON DRAWINGS. LOCATIONS SHALL BE DETERMINED IN THE FIELD OR AS INDICATED ON THE DRAWINGS.

25. THE NUMERALS SHOWN AT TOP OF LIGHT FIXTURE IDENTIFICATION SYMBOLS INDICATING THE NUMBER OF LIGHT FIXTURES REQUIRED SHALL NOT BE USED BY THE CONTRACTOR FOR HIS QUANTITY TAKE-OFF AT BIDDING, NOR FOR DETERMINATION OF HOW MANY FIXTURES WILL BE INSTALLED. THE CONTRACTOR SHALL INSTALL A LIGHT FIXTURE WHEREVER A FIXTURE OUTLET IS SHOWN ON THE DRAWINGS.

26. THE EXACT LOCATION OF ALL ELECTRICAL DEVICES AND EQUIPMENT SHALL BE COORDINATED WITH THE ARCHITECTURAL ELEVATIONS, DETAILS, OR SECTIONS PRIOR TO INSTALLATION, ALL ELECTRICAL DEVICES AND EQUIPMENT SHALL BE RECESSED IN WALLS UNLESS OTHERWISE NOTED. OUTLETS NOT INDICATED ON ARCHITECTURAL ELEVATIONS SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO ROUGH-IN. UNLESS OTHERWISE NOTED, MOUNT ELECTRICAL DEVICES AT THE FOLLOWING HEIGHTS:

WALL SWITCH +4'-0" SET VERTICALLY TO TOP OF DEVICE CONVENIENCE RECEPTACLE +1'-3" SET VERTICALLY TO BOTTOM OF DEVICE TELEPHONE/DATA OUTLETS +1'-3" SET VERTICALLY TO BOTTOM OF DEVICE OUTLETS AT COUNTERS +6" ABOVE COUNTERS

REVIEW ARCHITECTURAL ELEVATIONS OF CASEWORK. OUTLETS MOUNTED ABOVE OR BELOW, OR ADJACENT TO CASEWORK SHALL BE COORDINATED WITH THE ARCHITECTURAL DRAWINGS, PRIOR TO FINAL ROUGH-IN. ELECTRICAL DRAWINGS SHALL GOVERN NUMBER AND TYPE OF OUTLETS. HOWEVER, LOCATIONS SHALL BE AS INDICATED ON ARCHITECTURAL ELEVATIONS. PROVIDE CONDUIT, WIRES, AND OUTLETS FOR WORK REQUIRED IN CASEWORK INSTALLATIONS. REFERENCE ARCHITECTURAL DETAILS FOR METHOD OF ROUTING CONDUIT WITHIN CASEWORK CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CUT-OUTS IN TILE OR COUNTER SPLASHES WHERE RECEPTACLES, OUTLETS, ETC., OCCUR. PROVIDE BOX EXTENSIONS THROUGH ALL CASEWORK. FINISH FLUSH WITH FACE OF SPLASH, CABINET, ETC.

MOUNTING HEIGHTS OF ALL DEVICES AND EQUIPMENT ARE FROM FINISHED FLOOR TO CENTER OF DEVICES AND EQUIPMENT UNLESS OTHERWISE NOTED. BOXES INSTALLED IN LOCATIONS NOT APPROVED BY THE ARCHITECT SHALL BE RELOCATED AS DIRECTED BY THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.

27. DRAWINGS ARE DIAGRAMMATIC ONLY. ROUTING OF RACEWAYS SHALL BE AT THE OPTION OF THE CONTRACTOR UNLESS OTHERWISE NOTED AND SHALL BE COORDINATED WITH OTHER SECTIONS. DO NOT SCALE THE ELECTRICAL DRAWINGS FOR LOCATIONS OF ANY ELECTRICAL, ARCHITECTURAL, STRUCTURAL, CIVIL, OR MECHANICAL ITEMS OR FEATURES.

28. CONTRACTOR SHALL CROSS REFERENCE SINGLE-LINE AND RISER DIAGRAMS WITH SITE AND FLOOR PLANS FOR ALL SYSTEMS.

29. ALL RECEPTACLES AT THE FOLLOWING LOCATIONS SHALL HAVE GROUND FAULT CIRCUIT INTERRUPTER:

5. LOCKER ROOMS 6. GARAGE, SERVICE BAYS OR SIMILAR

REVIEW PRIOR TO INSTALLATION.

- 7. ROOFTOPS 8. OUTDOORS
- 30. INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS, SPECIFICATIONS AND ENGINEERING CALCULATIONS HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT IN GENERAL CHARGE OF DESIGN AND DELEGATED RESPONSIBILITY COVERING THE WORK SHOWN ON A PARTICULAR PLAN OR SPECIFICATION.
- 31. SIGNAL AND COMMUNICATIONS SYSTEMS (INTERCOM, VOICE, DATA, PAGING, INTRUSION AND CLOCK): PROVIDE A COMPLETE AND OPERABLE EXTENSION TO THE EXISTING SYSTEMS AS INDICATED ON THE DRAWINGS. THESE SYSTEMS SHALL BE PROVIDED AS A SINGLE SUBCONTRACT UNDER THE ELECTRICAL CONTRACT. IN THE INTEREST OF MAINTENANCE CONVENIENCE AND CAPABILITY, THE NEW EQUIPMENT SHALL MATCH THAT OF EXISTING SYSTEMS AS INSTALLED IN ADJACENT AREAS. ALL EQUIPMENT AND CABLE SHALL BE PROVIDED BY THE FACTORY AUTHORIZED DISTRIBUTOR. PROVIDE ALL BACKBOXES AND CABLING PER MANUFACTURER'S REQUIREMENTS. SUBMIT ENGINEERED SHOP DRAWINGS FOR EACH SIGNAL AND COMMUNICATION SYSTEM TO THE ARCHITECT FOR

DEMOLITION NOTES

- 1. ALL CIRCUIT NUMBERS AND EXISTING CONDUIT HOMERUNS SHOWN ON THESE DRAWINGS WERE TAKEN FROM EXISTING RECORD DRAWINGS. IT IS THIS CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATIONS OF HOMERUNS, AND ADJUST CIRCUIT NUMBERS ACCORDING TO EXISTING CONDITIONS IF REQUIRED.
- 2. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO MAINTAIN CONTINUITY OF ALL ELECTRICAL AND LOW VOLTAGE SYSTEMS, EQUIPMENT, ETC., REMAINING IN OPERATION WHICH ARE BEING FED BY AN ABANDONED OUTLET TERMINAL CABINET. LOW VOLTAGE EQUIPMENT OR PANELBOARD. MAINTAINING CONTINUITY SHALL CONSIST OF REROUTING CONDUIT, WIRING, ETC., AS REQUIRED.
- 3. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE OWNER PRIOR TO REMOVAL OF EXISTING ELECTRICAL EQUIPMENT, AND TURN OVER REMOVED EQUIPMENT THAT THE OWNER REQUESTS IN AN "AS-FOUND" CONDITION. EQUIPMENT THAT IS TO BE TURNED OVER SHALL BE BOXED AND TAGGED TO IDENTIFY THE SPECIFIC EQUIPMENT.
- 4. WHERE NEW CIRCUITS ARE SHOWN TO EXISTING PANELS, INSTALL NEW BREAKERS (MINIMUM 20 AMP, SINGLE POLE) AS CALLED FOR ON DRAWINGS. IDENTIFY EACH NEW CIRCUIT ON PANEL SCHEDULE.
- 5. EXISTING CONDUIT MAY BE REUSED IF ADEQUATELY SIZED, BUT IN NO CASE SHALL ANY EXISTING CONDUCTORS BE REUSED.
- 6. IN SOME INSTANCES, IT MAY BE NECESSARY FOR THE ELECTRICAL CONTRACTOR TO TEMPORARILY RELOCATE, REROUTE, ETC., EXISTING ELECTRICAL EQUIPMENT. THIS SHALL BE DONE SO THAT THE SYSTEMS IN ALL PHASES (THOSE COMPLETED AND THOSE YET TO BEGIN), ARE IN COMPLETE, OPERABLE, CONDITION AS CONSTRUCTION PROCEEDS THROUGH EACH PHASE.
- 7. WHERE NEW CIRCUITS ARE SHOWN CROSSING PHASING BOUNDARIES (I.E., CORRIDOR LIGHTING, ETC.) THIS CONTRACTOR SHALL CONNECT ALL EQUIPMENT, FIXTURES, ETC., IN THE PHASE WHICH IS THEN UNDER CONSTRUCTION. CONTRACTOR SHALL STUB OUT ALL REQUIRED CONDUIT AND WIRING ACROSS PHASE BOUNDARIES; THEN, PICK UP AND EXTEND THESE CONDUIT RUNS WHEN CONSTRUCTION BEGINS IN THE ADJACENT PHASE.
- 8. DURING EACH PHASE OF DEMOLITION, ALL CIRCUITS FROM EXISTING PANELS WHICH FEED AREAS OUTSIDE THE BOUNDARIES OF THAT PHASE, SHALL BE MAINTAINED.

1 SINGLE LINE DIAGRAM

KEY NOTES # X

- 1. REMOVE EXISTING 200A/3P BREAKER AND PROVIDE 400A/350AT/3P MATCHING BREAKER WITH BOUBLE LUGS.
- 2. REMOVE EXISTING SPLICE AND SPLICE NEW CONDUCTORS INCLUDING EXISTING CONDUCTORS WITH INSULATED WET LOCATION LUGS..
- 3. SPLICE CONDUCTORS WITH INSULATED WET LOCATION (UTE) SPLICING LUGS.
- 4. PANEL PROVIDED BY MODULAR BUILDING MANUFACTURER.
- 5. REFER TO DETAIL #1 ON EG-21 FOR GROUNDING REQUIREMENT.

LOAD SUMMARY FOR (E) FEEDER

EXISTING MAXIMUM DEMAND LOAD:		90 A
EXISTING CONNECTED LOAD: X 1.25	=	112 A
EXISTING CONNECTED LOAD:	=	166 A
TOTAL CONNECTED LOAD:	=	278 A
EXISTING DIST. BD. RATING:	=	350 A

LOAD SUMMARY FOR (E) MSB

EXISTING MAXIMUM DEMAND LOAD: OCTOBER 2019	=	640 A
EXISTING CONNECTED LOAD: X 1.25	=	800 A
NEW ADDED LOAD:	Ξ_	166 A
TOTAL CONNECTED LOAD:	=	966 A
EXISTING DIST. BD. RATING:	=	1600 A

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SINGLE LINE DIAGRAM

EG-04

X

KEY NOTES # 🗵

- EXISTING MAIN SWITCHBOARD-MSB INSIDE ELECTRICAL ROOM. REPLACE BREAKER PER SINGLE LINE DIAGRAM.
- 2. EXISTING FEEDERS FOR EXISTING RELOCATABLES-41 THRU 45. 3. EXISTING FEEDER FOR EXISTING RELOCATABLES-41 & 42.
- 4. EXISTING FEEDER FOR EXISTING RELOCATABLES-43,44 & 45.

BROADWAY

- 2. RUN 11/2" CONDUIT WITH PA CABLES CONCEALED IN WALL AND CEILING TO EXISTING SIGNAL TERMINAL CABINET.
- PULL ADDDITONAL WET LOCATION LISTED PA CABLES IN EXISTING UNDERGROUND CONDUIT WITH EXISTING CABLES. RE-PULL EXISTING CABLES AS REQURED TO PULL NEW CABLES.
- 4. PROVIDE TERMINAL BLOCK IN EXISTING TERMINAL CABINET AS REQURED. 5. TERMINATE FIBER OPTIC CABLE TO MDF RACK AND GROUND WIRE TO GROUND
- BAR IN MDF ROOM. PROVIDE FIBER PATCH PANEL IN EXISTING MDF CABINET TO TERMINATE NEW FIBER OPTIC CABLE. 6. PULL (1) 12 STRAND MUTIMODE OM4 WET LOCATION LISTED FIBER OPTIC CABLE
- AND #6 GRD IN EXISTING CONDUITS ALONG WITH EXISING CABLES. RE-PULL EXISTING CABLES AS REQURED.
- EXISTING SIGNAL CONDUITS WITH CABLES TO REMAIN. PROTECT DURING CONSTRUCTION.
- 8. CLEAN AND REMOVE DEBRIES FROM EXISTING PULLBOXES. 9. PROVIDE (3)2" CONDUITS BETWEEN TWO SIGNAL PULLBOXES.
- 10. RUN FOLLOWING CONDUITS UNDERGROUND FROM EXISTING SIGNAL PULLBOX. A. 2" CONDUIT WITH (1) 12 STRAND OM4 MULTIMODE FIBER OPTIC CABLE AND #
- 6GRD. B. 2" CONDUIT WITH WET LOCATION LISTED PA CABLES. C. (2) 2" CONDUITS(SPARE)
- 11. SAW CUT AND PATCH EXISTING ASHPLAT AS REQURED TO RUN UNDERGROUND CONDUITS.

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SIGNAL SITE PLAN

ES-02

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²roject Number 8/31/2020 10:34:15 Project Name

KEY NOTES # 🖾

- EXISTING FLUSH WALL MOUNTED FCI#7200A FIRE ALARM CONTROL PANEL (DSA #A59184) LOCATED IN RECEPTION AREA TO REMAIN RE-PROGRAM EXISTING PANEL TO ADD NEW DEVICES.
- 2. EXISTING CEILING MOUNTED SMOKE DETECTOR AND WALL MOUNTED MANUAL PULL STATION LOCATED IN RECEPTION AREA TO REMAIN.
- EXISTING FIRE ALRM CONDUIT WITH WIRING TO REMAIN. PROTECT DURING CONSTRUCTION. RE-CONNECT EXISTING FIRE ALARM WIRING AS REQURED.

KEY NOTES # 🗵

- 1. EXISTING UNDERGROUND POWER FEEDER TO EXISTING MAIN SWITCHBOARD. REFER TO ES-01 FOR CONTINUATION.
- 2. EXISTING POWER PULLBOX. 3. EXISTING UNDERGROUND POWER FEEDER.
- 4. EXISTING BUILDING MOUNTED POWER PULLBOX AND FUSED DISCONNECT.
- 5. EXISTING PORTABLE BUILDING ELECTRICAL PANEL.
- 6. JUNCTIONBOX FOR POWER TO RPS-RL43 AND AMP-RL43.RUN ¾"C WITH 2#12 & 1#12 GRD TO EXISTING ELECTRICAL PANEL. ADD 20A/1P MATCHING BREAKER WITH LOCK-ON DEVICE TO BREKER AND RED LABEL TO CIRCUIT IDENTIFICATION. USE SRUFACE MOUNETD METAL RACEWAY FOR EXPOSED INSTALLATION IROOM.
- 7. SAW CUT AND PATCH EXISTING ASHPALT SURFACE AS REQURED TO RUN UNDERGROUND CONDUITS.
- 8. SPLICE CONDUCTORS IN PULLBOX WITH INSULATED SPLICING KIT INSIDE PULLBOX.
- 9. 24"X36"X36" PRE-CAST CONCRETE PULLBOX WITH ENGRAVED TRAFFIC RATED METAL COVER.
- 10. RUN FEEDER UNDERGROUND PER SINGLE LINE DIAGRAM.
- 11. REPAIR EXISTING PLAYGROUND AREA AFTER INSTALLATION OF NEW UNDERGROUND CONDUITS TO MATCH EXISTING SITE CONDITION.
- 12. BUILDING MOUNTED POWER PULLBOX AND FUSED DISCONNECT PROVIDED WITH PORTABLE BUILDING. REMOVE EXISTING CONDUCTORS AND PULL NEW CONDUCTORS FROM PULLBOX TO DISCONNECT AND TO PANEL. REPLACE EXISTING 100A FUSES.
- 13. BUILDING MOUNTED FUSED DISCONNECT. PROVIDE NEMA-3R 18" X18"X6' POWER PULLBOX BELOW DISCONNECT ALONG WITH NEW CONDUIT TO DISCONNECT. REMOVE EXISTING CONDUCTORS AND PULL NEW CONDUCTORS FROM DISCONNECT TO PANEL. REPLACE EXISTING 100A FUSES.
- 14. ELECTRICAL PANEL PROVIDED WITH PORTABLE BUILDING. PROVIDE NEW NAME PLATE INDICATING NEW PANEL DESIGNNATION.
- 15. PROVIDE GROUND BOX WITH GROUND ROD AND PROVIDE GROUNDING TO PORTABLE BUILDING ELECTRICAL PANEL PER DETAIL #1 ON E5-21.
- 16. REMOVE EXISTING WALL MOUNTED LIGHT FIXTURE AND PROVIDE SURFACE MOUNTED WP JUNCTION BOX OVER AND RUN SURFACE MOUNTED 1/2" CONDUIT WITH 3#12 &1 #12 GRD TO NEW LIGHT FIXTURE.PAINT EXPOSED CONDUIT TO MATCH WALL FINISH. EXISTING WALL SWITCH TO REMAIN.
- 17. VERIFY EXACT LOCATION OF EXISTING CIRCUIT IN CEILING SPACE AND EXTEND TO CIRCUIT TO NEW LIGHT FIXTURE INCLUDING SWITCH LEG.
- 18. PROVIDE WALL MOUNETD LED LIGHT FIXTURE WITH BUILT-IN BATTERY PACK AND PHOTOCELL AT SAME HEIGH AT EXISTING LIGHT FIXTURE. LUMARK # LD-WP-FC-4A-ED-PE-EMLED-C0 (INPUT WATTS= 40 WATTS) OR EQUAL.
- 19. CEILING MOUNTED QUAD RECEPTACLES FOR CEILING MOUNTED PROJECTOR. VERIFY EXACT LOCATION IN FIELD WITH PROJECTOR INSTALLATION CONTRACTOR.
- 20. SURFACE MOUNTED DUPLEX RECEPTACLE AT 18" WITH SURFACE MOUNTED WIREMOLD TYPE METAL RACEWAY TO CEILING FOR LAPTOP CHARGING CART. VERIFY EXACT LOCATION WITH OWNER.
- 21. DUAL CHANNEL SURFACE MOUNTED WIREMOND TYPE 5400 RACE WAY WITH DUPLEX RECEPTACLES AS SHOWN. MOUNT RACEWAY AT 18" AFF. FROM BOTTOM OF RACEWAY.
- 22. DUAL CHANNEL 5400 SURFACE MOUNTED RACEWAY RISER TO CEILING. PROVIDE CEILING FETTING. 23. RUN ¾"C WITH 4#12 & 1#12 GRD TO EXISTING ELECTRICAL PANEL. PROVIDE (2) 20A/1P MATCHING BREAKERS IN PANEL AND UPDATE PANEL DIRECTORY. RUN
- CONDUIT CONCEALED INSDIE WALL ABOVE ELECTRICAL PANEL. 24. REFER TO ROOM-46 FOR TYPICAL POWER INSTALLTION REQUREMENT.

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KEY NOTES # 🗵

- 1. REFER TO SHEET ES-02 FOR CONTINUATION.
- 2. EXISTING UNDERGROUND CONDUITS WITH SIGNAL WIRING TO REMAIN.
- 3. EXISTING BUILDING MOUNTED SIGNAL PULLBOX.
- 4. RUN FOLLOWING CONDUITS UNDERGROUND. A. 2" CONDUIT WITH (1) 12 STRAND OM4 OUTDOOR RATED MULTI MODE FIBER OPTIC CABLE AND #6 GRD. B. 2" CONDUIT WITH WET LOCATED LISTED PA CABLES.
- C. (2)2" CONDUITS-SPARE. RUN (3) 2" CONDUITS UNDERGROUND. PULL (3) WET LOCATION LISTED
- INTRÙŚION CABLES TO EXISTING EXPANSION MODULE AT PORTABLE-43 AND (3) WET LOCATION LISTED PA CABLES TO NEW PA DEVICES.
- NEMA-3R 24"X24"X6" SIGNAL PULLBOX. MOUNT ABOVE T-BAR CEILING LINE SAME HEIGHT AT EXISTING PULLBOX LOCATED AT PORTABLE-43. RUN (4) 2" CONDUITS IN CEILING SPACE OF PORTABLE.
- REPAIR EXISTING PLAY AREA AFTER INSTALLATION OF NEW UNDERGROUND CONDUITS SIMILAR TO EXISTING CONDITION.
- SAW CUT AND PATCH EXISTING ASHPLANT TO RUN UNDERGROUND CONDUITS.
- 9. EXISTING FLOOR MOUNTED MOVABLE IDF CABINET.
- 10. PROVIDE ADDITIONAL PATCH PANEL FOR NEW CABLES.
- 11. PROVIDE SURFACE WALL MOUNTED 5400 SINGLE CHANNEL RACEWAYS FOR NEW CABLES ADJACENT TO EXISTING RACEWAY.
- 12. EXISTING INTRUSION SYSTEM EXPANSION MODULE. TERMINTE NEW CABLES TO EXISTING EXPANSION MODULE.
- 13. FLOOR MOUNTED MOVABLE IDF CABINET PER DISTRICT STANDARDS. 14. PROVIDE (2) SURFACE WALL MOUNTED WIREMOLD 5400 SINGLE CHANNEL
- RACEWAYS FROM FLOOR TO CEILING TO RUN FIBER OPTIC AND CAT 6E DATA CABLES. 15. EXISTING SIGNAL PULLBOXES WITH (4) 2" CONDUITS TO REMAIN. CAP
- CONDUITS. 16. EXISTING (2) 2" CONDUITS SLEEVE BETWEEN TWO PORTBALES. RUN NEW
- CABLES THRU EXISTING SLEEVES. PROVIDE ADDITIONAL (1) 2" NEW CONDUIT SLEEVE. PER DETAIL #5 ON E5.21.
- 17. PROVIDE (3) 2" CONDUIT SLLEVES BETWEEN TWO PORTABLES TO RUN CABLES. PER DETAIL #5 ON E5.21.
- 18. REFER TO CLASSROOM-46 FOR TYPICAL SIGNAL SYSTEM LAYOUT.
- 19. REFER TO AV SYSTEM WIRING DIAGRAM #2 ON E5-22.
- 20. PROVIDE LISTEN TECHNOLOGT #LK4 OR EQUAL PORTABLE ASSISTIVE LISTENING SYSTEM IN EACH PORTABLE BUILDING WITH ONE TRANSMITTER AND THREE WIRELESS RECEIVERS PER SYSTEM PER SPECIFICATION SECTION 275116 FOR CONNECTION TO EXTRON AV SYSTEM. PROVIDE TOTAL OF THREE SYSTEMS FOR FIVE PORTBALES.
- 21. MOUNTED ON SURFACE RACEWAY.
- 22. MOUNTED ADJACENT TO END OF SURFACE RACEWAY IN SURFACE MOUNTED WIREMOND TYPE METAL OUTLET BOX.
- 23. MOUNT ADJACENT TO SURFACE RACEWAY AT +48". PROVIDE WIREMOLD TYPE SURFACE OUTLET BOX.
- 24. PROVIDE SURFACE MOUNTED METAL OUTLET BOX AT +18" AND SURFACE RACEWAY TO CEILING FOR NEW DATA OUTLETS. 25. PROVIDE BATTERY OPERATED WIRELESS CLOCK TO MATCH EXISTING
- SCHOOL SITE. 26. REMOVE EXISTING SIGNAL SYSTEM DEVICES AND ASSOCIATED OUTLET BOXES. PROVIDE BLANK COVER OVER WALL OUTLET AND REPLACE CEILING TILES.
- 27. 24" X 36" X 36" PRECAST CONCRETE PULLBOX WITH ENGRAVED TRAFFIC RATED METAIL COVER.

1390 East Broadway El Cajon, CA 92021

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(619) 318-3800 WWW.HED.DESIGN

2020-06795-000

KEY NOTES # 🗵

- 1. REFER TO ES-03 FOR CONTINUATION.
- 2. EXISTING FIRE ALARM CONDUIT WITH FIRE ALARM WIRING TO REMAIN. 3. PULLOUT EXISTING FIRE ALARM WIRING AND PULL NEW WET LOCATION LISTED FIRE ALARM WIRING IN EXISTING UNDERGROUND CONDUIT. FOR PRE- SCHOOL PORTABLE.
- 4. EXISTING FIRE ALARM PULLBOX TO REMAIN. CLEAN DEBRIES FROM PULLBOX. 5. EXISTING BUILDING MOUTED FIRE ALARM PULLBOX. RUN 11/2" CONDUT WITH
- VOICE EVAC PANEL/AMP-43. 6. EXISTING BUILDING MOUNTED FIRE ALARM PULLBOX.
- 7. REMOVE FIRE ALARM WIRING FROM EXISTING CONDUIT UP TO EXISTING FIRE
- ALARM DEVICES. 8. NEAM-3R 12"X12"X6" BUILDING MOUNTED FIRE ALARM PULLBOX. MOUNT ABOVE T-BAR CEILING LINE.
- 9. RUN 11/2" CONDUIT WITH FIRE ALARM WIRING UNDERGROUND.
- 10. REPAIR PLAY AREA AFTER INSTALLTION OF FIRE ALARM CONDUIT.
- 11. SAW CUT AND PATCH EXISTING ASHPALT TO RUN UNDERGROUND CONDUIT.
- 12. PRPOVIDE 1" SEAL TIGHT STEEL FLEX CONDYUT BETWEEN TWO PORTABLES. PER DETAIL #9 ON E5-21.
- 13. REMOVE EXISTING FIRE CEILING MOUTED HORN, WALL MOUNTED STROBE AND EXTERIOR HORN FROM PORTABLE AND RE-WIRE FIRE ALARM SYSTEM FOR EXISTING PORTABLE. PROVIDE BLANK COVER OVER WALL MOUNTED DEVICE AND REPLACE CEILING TILES. REF-WIRE EXISTING SMOKE AND ATTIC HEAT DETECTORS.
- 14. REMOVE EXISTING FIRE ALARM DEVICES FROM EXISTING PORTABLES AND PROVIDE NEW DEVICES AS SHOWN. PROVIDE BLANK COVER OVER WALL MOUNTED DEVICES AND REPLACE CEILING TITLE AS REQURED.
- 15. WALL MOUNTED VOICE EVAC PANEL & AMP-43. MOUNT 6" BELOW CEILING. RUN (3) 1" CONDUITS WITH WIRING CONCEALED IN WALL TO CEILING. REFER TO DEFTAIL #7 ON E5-21 FOR MOUNTING.
- 16. PULLOUT EXISTING FIRE ALARM WIRING FOR PORTABLES-43,44,45 & PRESCHOOL FROM EXISTING POWER SUPPLY LOCATION IN EXISTING PORTABLE. PER FIELD CONDITION.

FIRE ALARM CABLES ON EXTERIOR WALL AND IN CEILING SPACE TO NEW

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FIRE ALARM **FLOOR PLAN**

EF-01

NOT USED	NTS	10	3/3 AN E4 P- LE
NOT USED	NTS	10	3/1 AN E/ P- LE
NOT USED	NTS	10	3/4 AN E/ P- LE
NOT USED	NTS	10	3/4 AN E/ P- LE
NOT USED	NTS	10	3/4 AN E4 P- LE
NOT USED	NTS	10	3/4 AN E/ P- LE
NOT USED	NTS	10	3/4 AN EA P- LE
NOT USED	NTS	10	3/4 AN E4 P- LE
NOT USED	NTS	10	3/4 AN EA P- LE
NOT USED	NTS	10	AA EA P- LE
NOT USED	NTS	10	P- LE
NOT USED	NTS	10	
NOT USED	NTS	10	
NOT USED	NTS	10	
			SURFAC
			DRIP/SEISMIC L
			THE LENGTH OI FLEXIBLE CONE GREATER THAN BETWEEN THE FOR WATER SH
			MOVEMENT OF
			CONDUIT SUPPORT (T PER DETAIL TO RIG
			BETWEEN SUPPOR SHALL BE 10
			BUILDING
		1	
NOTUSED	NTS	11	
			UNISTRU)-
			UNISTRUT – STRAP
			SLIP — BUSHING
			SUSPEN
			CEILING MUST BE 2" PA 2 HOLE CLAMF ENDS
			ALL BUILDIN
NOT USED	NTS	12	LIQU
	NOT USED	NOT USED and	NOT USED MT 11

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E5-22

2020-06795-000

DETAILS

BATTERY CALCULATION FOR FIRE ALARM CONTROL PANEL AND REMOTE POWER SUPPLIES

			(E) FACP				RPS-43					
DESCRIPTION		SUPERVISOR'	Y CURRENT	ALARM CUR	RENT		SUPERVISOF	RY CURRENT	ALARM CURI	RENT		
	QTY	UNIT	TOTAL	UNIT	TOTAL	QTY	UNIT	TOTAL	UNIT	TOTAL		
(E) FACP AND DEVICES	1	0.279	0.279	6.75	6.75							
REMOTE POWER SUPPLY	1	0.00000	0.00000		0.00000	1	0.07500	0.07500	0.17500	0.17500		
SMOKE DETECTOR	10	0.00030	0.003	0.00650	0.065							
(N) ATTIC HEAT DETECTOR	10	0.00035	0.003	0.00500	0.065							
CONTROL MODULE	2	0.00375	0.00075	0.00650	0.013							
MONITOR MODULE	0	-	-	-	-							
STROBE (15cd)						2			0.06600	0.132		
STROBE (30cd)						0			0.09400	0.00000		
STROBE (75cd)						0			0.15800	0.00000		
STROBE (110cd)						0			0.20200	0.00000		
SPEAKER/STROBE COMBO (15cd)						0			0.066	0.00000		
SPEAKER/STROBE COMBO (30cd)						0			0.094	0.00000		
SPEAKER/STROBE COMBO (75cd)						9			0.158	1.422		
SPEAKER/STROBE COMBO (110cd)						0			0.21200	0.00000		
SPEAKER - WEATHERPROOF						0			0.06900	0.00000		
			0.000		C 00			0.075		4 700		
TOTAL		0.202	0.293	6 20	0.09		0.075	0.075	1 720	1.729		
		v 24	н	x 0.25	н		v 24	н	x 0.25	н		
		7.02	AH	<u>x 0.23</u> 1.72	AH		1.800	АН	0.43	АН		
FIRE ALARM DEVICE QUANTITIES ARE			7.02	AH, STANDBY	/			1.800	AH, STANDBY	,		
SHOWN SOLELY FOR ENGINEERING	1.72 AH, ALARM							0.43	AH, ALARM			
CALCULATIONS. IT SHALL NOT BE USED	8.74 AH, SUB TOTAL 2.23 AH, SUB TOTA						۹L					
FOR BID QUANTITY TAKEOFFS.			10.49AH	(W/20% SAFE	TY MARGIN)			27 AH	(W/20% SAFE	TY MARGIN)		
		24	AH, BATTERY (CAPACITY			7	AH, BATTERY C	APACITY			
		13.51	AH, SPARE CA	PACITY			4.3	AH, SPARE CAP	ACITY			
STROBE SIGNAL CIRCUIT SCHEDULE												

BLDG.	PANEL	CIRCUIT	15cd	STROBE	30cd	STROBE	75cd	STROBE	110cd	STROBE	15cd S	TROBE/SPEAKER	30cd ST	ROBE/SPEAKER	75cd	STROBE/SPEAKER	110cd S	TROBE/SPEAKER	TOTAL	WIRE	SIZE (CU)			
NO.	NO.	NO.	0.066	AMPS	0.094	AMPS	0.158	AMPS	0.202	AMPS	0.066 A	MPS (*)	0.094 AN	/IPS (*)	0.158	AMPS (*)	0.202 A	MPS (*)	CIRCUIT		CIRC.	FEEDER LENGTH IN FT.	VOLTAGE	
			NO.	AMPS	NO.	AMPS	NO.	AMPS	NO.	AMPS	NO.	AMPS	NO.	AMPS	NO.	AMPS	NO.	AMPS	AMPS	#	MILLS	(FROM PANEL TO EOL)	DROP (%)	REMARKS
RELOS	RPS-43	V1	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	5	0.790	0	0.000	0.790	12	6530	210	2.3	
RELOS	RPS-43	V2	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	3	0.474	0	0.000	0.474	12	6530	430	2.8	
RELOS	RPS-43	V3	2	0.132	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	1	0.158	0	0.000	0.290	12	6530	410	1.6	
RELOS	RPS-43	V4	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0.000	0	0	0	0.00	SPARE

1.422

1.729

* STROBE CURRENT ONLY INCLUDED IN VOLTAGE DROP CALCULATION.

SPEAKER CIRCUIT LOAD CALCULATION

	WIRE CIRCUIT APPLIANCES QUANTITIES / TAP VALUES				TOTAL						
	PANEL	GAUGE		SPEAK	ER	SPEAKER	SPEAK	ER	SPEAK	ER	CIRCUIT
SPEAKER CIRCUIT DESCRIPTION	CIRCUIT	(18, 16, 14	(25 OR	TAPPE	D AT	TAPPED AT	TAPPEI	D AT	TAPPE	D AT	LOAD
	NUMBER	12)	70 VRMS)	0.25	Watts	0.5 Watts	1	Watt	2	Watts	(WATTS)
RELOS	A1	14 AWG	70 Vrms	0		2.5	0		4		6.5 V
RELOS	A2	14 AWG	70 Vrms	0		1.5	0		2		3.5 V
RELOS	A3	14 AWG	70 Vrms	0		0.5	0		2		2.5 V
RELOS (SPARE)	0	14 AWG	70 Vrms	0		0	0		0		0.00 W
				Applian	ce Summary						Total Load (
				0		4.5	0		8		12.50

NOTE

EXTRA 50' LENGTH ADDED TO CALCULATE MAXIMUM ALLOWABLE CIRCUIT LENGTH. THIS METHOD ALLOWS FOR A SMALL MARGIN OF SAFETY, TAKING INTO CONSIDERATION THE ACTUAL INSTALLED CIRCUIT ROUTING MAY DIFFER FROM WHAT IS SHOWN ON THE SHOP DRAWINGS. IF THE ACTUAL CIRCUIT LENGTH IS GOING TO EXCEED THE MAXIMUM ALLOWABLE CIRCUIT LENGTH.

	FIRE ALARM SYMBOL LIST								
SYMBOL	MFG.	PART NO.	DESCRIPTION	REMARKS	CSFM LISTING NO.				
			FIRE ALARM CONDUIT RUN. 3\4"C. MIN. UNLESS INDICATED OTHERWISE IN THE DWGS. REFER TO DWGS. & SPECS. REQUIRED WIRING.						
			END OF LINE RESISTOR "EOL"						
FATC			24"x36"x4" FIRE ALARM TERM. CAB.						
FACP	GAMEWELL FCI	7200	EXISTING FIRE ALARM CONTROL PANEL WITH DIGITAL ALARM COMMUNICATOR TRANSMITTER		7165-0694:174				
RPS	GAMEWELL FCI	GFPS-9	REMOTE POWER SUPPLY		7300-1703:0167				
VECP	GAMEWELL FCI	FIRE VAC IV	VOICE EVACUATION PANEL		6911-1703:0112				
3	GAMEWELL FCI SYSTEM SENSOR	ASD-PL2F B210LP	SMOKE DETECTOR - PHOTOELECTRIC DETECTOR BASE		7272-1703:0121 7300-1653:0109				
() _A	GAMEWELL FCI SYSTEM SENSOR	ATD-HL2F	HEAT DET. MNTD. IN ATTIC AND BELOW PLATFORM, 194°F FIXED TEMPERATURE DETECTOR BASE		7270-1703:0115 7300-1653:0109				
)O_15cd	SYSTEM SENSOR	SR	STROBE (ADJUSTABLE) WALL MOUNT WITH CANDELA (cd) RATING AS SHOWN	SEE DETAIL FOR WIRING & MOUNTING	7125-1653:0186				
D호석 ^{15cd} 1/2W	SYSTEM SENSOR	SPSCR	SPEAKER/STROBE (ADJUSTABLE) CEILING MOUNT WITH CANDELA (cd) & SPEAKER RATING AS SHOWN	SEE DETAIL FOR WIRING & MOUNTING	7320-1653:0201				
	SYSTEM SENSOR	SPRK-MWBB	WEATHERPROOF SPEAKER WITH HORN RATING AS SHOWN	MOUNT AT +90" A.F.F.	7320-1653:0201				
SC	GAMEWELL FCI	AOM-2SF	ADDRESSABLE OUTPUT SUPERVISED CONTROL MODULE RELAY		7300-1703:0102				
М	GAMEWELL FCI	AMM-2F	MONITOR MODULE		7300-1703:0102				
С	GAMEWELL FCI	AM-2RF	CONTROL MODULE		7300-1703:0102				

SEQUENCE O	F OPERA	ΓΙΟΝ		
	BUILDING POWER FAILURE	AREA SMOKE DETECTOR	ATTIC HEAT DETECTOR	OPEN SHORT OR GROUND
ANNUNCIATE AT FIRE CONTROL PANEL (ALARM, SUPERVISION & TROUBLE)	YES	YES	YES	YES
SOUND CONTROL PANEL TROUBLE BUZZER	YES	ON WIRING FAULT	ON WIRING FAULT	YES
ACTIVATE AUDIBLE ALARM SIGNALS (UNTIL SILENCE)	NO	YES	YES	NO
ACTIVATE VOICE SIGNALS (UNTIL SILENCE)	NO	YES	YES	NO
ACTIVATE VISUAL ALARM SIGNALS (UNTIL RESET)	NO	YES	YES	NO
REPORT TO CENTRAL STATION	YES	YES	YES	NO
ANNUNCIATE AT FAA ANNUNCIATOR PANEL	YES	YES	YES	NO

			MAXIMUM	-3 dB [DROP PER CII	RCUIT		
	ESTIMATE	D			MAXIMUM		TOTAL	
	CIRCUIT		ACTUAL		ALLOWABLE		CIRCUIT	
	LENGTH		WIRE/LOS	S	CKT. LENGTH	H	RESISTANC	E
	(FEET)		(dB)		(FEET)		(OHMS)	
atts	210	ft.	-0.08	dB	30,040	ft.	3.4	Ohms
atts	430	ft.	-0.05	dB	43,391	ft.	2.9	Ohms
atts	410	ft.	0.00	dB	0	ft.	0.0	Ohms
atts	0	ft.	0.00	dB	0	ft.	0.0	Ohms
Vatts)								

38. THE DISTRICT SHALL RETAIN RECORD DRAWINGS ON THE PREMISES FOR A MINIMUM OF 3 YEARS, IN A DEDICATED FIRE ALARM RECORD DOCUMENT CABINET IN ACCORDANCE WITH NFPA 72, 7.7.2.

- EVERY NEW FIRE ALARM SYSTEM SHALL PROVIDE A DOCUMENTATION CABINET, INSTALLED AT THE SYSTEM CONTROL PANEL.
- THE DOCUMENTATION CABINET SHALL BE PROMINENTLY LABELED, "SYSTEM RECORD DOCUMENTS".
- ALL RECORED AND TESTING DOCUMENTATION SHALL BE STORED IN THE CABINET.
- CONTENTS SHALL BE ACCESSIBLE BY AUTHORIZED PERSONNEL ONLY. • WHERE CABINET IS INSTALLED IN A LOCATION OTHER THAN THE
- SYSTEM CONTROL UNIT, ITS LOCATION SHALL BE IDENTIFIED AT THE SYSTEM CONTROL UNIT. SYSTEM DOCUMENTS AS APPLICABLE:
- RECORD DRAWINGS/AS-BUILTS
- EQUIPMENT CUT SHEETS & CA SFM LISTINGS
- ALTERNATIVE MEANS AND METHODS
- PERFORMANCE BASED DESIGN DOCUMENTATION (NFPA 72, 7.3.7)
- SYSTEM RECORED OF COMPLETION & ANY SUPPLEMENTAL INSPECTION AND TESTING DOCUMENTATION (NFPA 72, 7.8.2)
- EMERGENCY RESPONSE PLAN (NFPA 72, 7.3.8)
- EVALUATION DOCUMENTATION (NFPA 72, 7.3.9)
- SOFTWARE & FIRMWARE CONTROL DOCUMENTATION (NFPA 72, 23.2.2)

39. EXTRA DEVICES

DUE TO UNFORESEEN CONDITION, THE FOLLOWING EXTRA DEVICES	3 SHALL BE
INCLUDED IN THE CONTRACTORS BID:	
a. SMOKE DETECTORS	4 EACH

e.	SPEAKER	2 EACH
d.	STROBE	2 EACH
C.	SPEAKER/STROBE	2 EACH
b.	ATTIC HEAT DETECTORS	4 EACH
a.		

FOR BID PURPOSES, ALLOW TWENTY (20) FEET OF CONDUIT AND ITS SUPPORT SYSTEM TO INCLUDE FITTINGS, WIRES AND LABOR FOR EACH OF THE DEVICES LISTED ABOVE.

KEY NOTES

	REMOVE EXISTING FLUSH WALL MOUNTED FCI#7200A FIRE ALARM CONTROL PANEL (DSA #A59184) LOCATED IN RECEPTION AREA TO REMAIN. RE-PROGRAM PANEL TO ADD NEW DEVICES.
2	EXISTING CIRCUIT WITH LOCK-ON DEVICE TO BREAKER AND RED LABEL TO CIRCUIT ID.
3	EXISTING (2) TELEPHONE LINES FROM TEL. BOARD.
4	PROVIDE "LOCK-ON" DEVICE TO BREAKER HANDLE AND RED LABEL INDICATING "FIRE ALARM" TO CIRCUIT ID.
5	EXISTING FIRE ALARM WIRING.
6	PULL NEW FIRE ALARM WIRING IN EXISTING CONDUIT ALONG WITH EXISTING FIR ALARM WIRING.
$\overline{7}$	REMOVE EXISTING FIRE ALARM WIRING AND PULL NEW WIRING AS SHOWN.

- THIS IS A COMPLETE AUTOMATIC FIRE ALARM SYSTEM PLAN SUBMITTAL PER 2019 CFC 907.2.3 AND 2019 CBC 907.2.3.
- . THE NEW FIRE ALARM SYSTEM EXTENSION IS CONFIGURED TO A FULLY

AUTOMATIC SYSTEM, AS IS THE EXISTING INSTALLATION.

- THE FIRE ALARM SYSTEM INDICATED ON THESE DRAWINGS IS APPROVED BY CALIFORNIA STATE FIRE MARSHAL AND SHALL BE INSTALLED AS DESCRIBED ON THESE DRAWINGS AND AS NOTED IN THE SPECIFICATIONS. ANY CHANGES TO THESE PLANS, I.E., DELETION, RELOCATION OR ADDING OF DEVICES SHALL BE RESUBMITTED TO THE STATE FIRE MARSHAL FOR APPROVAL. INSTALLATION OF FIRE ALARM SYSTEM MAY START AFTER TTG RECEIVES THESE
- APPROVED DRAWINGS. A.O.R. SHALL STAMP AND SIGN ALL DRAWINGS.
- 4. ALL WIRING AND INITIATING DEVICES SHALL BE SUPERVISED TO THE PRINCIPAL POINT OF ANNUNCIATION (F/A PANEL TO SUPERVISE ALL CIRCUITS AND INITIATING DEVICES).
- 5. WIRING SHALL NOT BE LOOPED THROUGH DEVICES; WIRE MUST BE CUT FOR IN AND FOR OUT.
- 6. ALL WIRING TO BE IN CONDUIT.
- 7. ALL TERMINATIONS IN JUNCTION BOXES, PULL BOXES AND TERMINAL CABINETS SHALL BE ON BOX MOUNTED TERMINAL BLOCKS. DO NOT USE WIRE NUTS FOR SPLICING. DO NOT SPLICE WIRES IN ANY BOXES.
- 8. ALL CONDUIT SIZES INDICATED IN DRAWINGS ARE MINIMUM. CONTRACTOR TO ADJUST SIZE FOR FIELD CONDITIONS BUT SHALL NOT BE SMALLER THAN 3/4 INCH. 9. ALL FIRE ALARM WIRING MUST TEST FREE OF OPENS, SHORTS AND GROUNDS.
- 10. FIRE ALARM DRAWINGS ARE SCHEMATIC IN NATURE ONLY.
- CONTRACTOR TO ROUTE CONDUIT AS FIELD CONDITIONS INDICATE. 11. CONDUIT AND JUNCTION/BACK BOXES ARE NOT TO BE USED FOR UNRELATED WIRING.
- 12. THE SYSTEM SHALL CONFORM TO TITLES 19 AND 24 AS APPLICABLE TO THIS PROJECT. 13. UPON COMPLETION OF SYSTEM INSTALLATION, THE SYSTEM SHALL BE TESTED IN THE
- PRESENCE OF, AND IN A MANNER ACCEPTABLE TO, THE ENFORCING AGENCY.
- 14. THE CONTRACTOR SHALL REPROGRAM AND CERTIFY ADDRESSABLE FIRE ALARM CONTROL PANEL TO ACCOMMODATE ADDITIONAL DEVICES.
- 15. FIRE ALARM SYSTEM SHALL BE INSTALLED BY FACTORY AUTHORIZED REPRESENTITIVE.
- 16. CONDUCTOR LENGTHS AND DEVICE QUANTITIES ARE SHOWN SOLELY FOR CALCULATION PURPOSES ONLY, AND SHALL NOT BE USED FOR BID TAKE-OFF.
- 17. THE FIRE ALARM SYSTEM SHALL CONFORM TO ARTICLE 760 OF CALIFORNIA ELECTRICAL CODE. INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING CALIFORNIA STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM HAVE BEEN APPROVED BY DSA-ORS. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE FIRE AUTHORITY HAVING JURISDICTION.
- 18. ALL FIRE ALARM AND COMMUNICATIONS WIRES AND CABLES SHALL BE ONE CONTINUOUS LENGTH FROM A BUILDING TERMINAL CABINET TO ANOTHER BUILDING TERMINAL CABINET OR JUNCTION BOX. ABSOLUTELY NO SUBGRADE SPLICES WILL BE PERMITTED! PROVIDE TERMINAL BLOCKS WITH MOUNTING IN TERMINAL CABINETS ONLY AS REQUIRED.
- 19. EVERY ALARM SIGNALING DEVICE INSTALLED SHALL BE OF THE SAME BASIC TYPE (BELLS, HORNS, CHIMES, SPEAKERS, ETC.) AS ALL OTHER SIGNALING DEVICES IN THE FACILITY, (EXCEPTION: ANY SIGNALING DEVICES REQUIRED FOR THE DEAF OR HEARING IMPAIRED PER 2016 NFPA-72.
- 20. INSULATED CONDUCTORS USED IN WET LOCATIONS SHALL BE (1) LEAD-COVERED, (2) TYPES RHW.TW. THW. THWN. THWN. XHHW: OR (3) OF A TYPE LISTED FOR USE IN WET LOCATIONS. CABLES OF ONE OR MORE CONDUCTORS USED IN WET LOCATIONS SHALL BE OF A TYPE LISTED FOR USE IN WET LOCATIONS. CONDUCTORS USED FOR DIRECT BURIAL APPLICATIONS SHALL BE OF A TYPE LISTED FOR SUCH USE (PER 2016 CEC ARTICLE 310).
- 1. THE FIRE ALARM DEVICE SUPPLIER SHALL FURNISH ALL SURFACE MOUNT ENCLOSURES FOR PULLSTATIONS AND SKIRTS FOR ALL VISUAL AND AUDIO VISUAL DEVICES TO CONCEAL 4S BACK BOXES.
- 22. AFTER THE SYSTEM IS COMPLETED, ALL ADDRESSABLE DEVICES SHALL BE PROGRAMMED AT THE FACP ACCORDING TO THE ACTUAL BUILDING ROOM NUMBER. THE CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH THE SCHOOL DISTRICT TO OBTAIN ACCURATE ROOM NUMBER INFORMATION.
- 23. POWER SERVICES SHALL BE ON A DEDICATED BRANCH CIRCUIT WITH A RED MARKING & LOCKING DEVICE AND IDENTIFIED AS "FIRE ALARM CIRCUIT CONTROL".
- 24. PROVIDE CALIFORNIA TEMPORAL-THREE TONE DISTINCTIVE FIRE ALARM SOUND. (2019 CFC SEC. 907.6.2.1.3 & 2016 NFPA 72 SEC. 18.4.2.1)
- 25. AUDIBLE FIRE ALARM SOUND LEVEL SHALL BE AT LEAST 15 dBA ABOVE THE AVERAGE AMBIENT SOUND LEVEL IN ALL OCCUPIABLE AREAS (2019 NFPA 72 SEC. 18.4.3.1) (i.e. CLASSROOM AVERAGE AMBIENT ROOM NOISE IS45dBA PLUS 15dBA EQUAL = 60dBA MINIMUM ALARM TONE REQUIRED)
- 26. STROBES SHALL FLASH AT A RATE NOT EXCEEDING TWO FLASHES PER SECOND NOR BE LESS THAN ONE FLASH EVERY SECOND. (2019 NFPA 72 SEC. 18.5.3.1)
- $27 \cdot$ FINAL FIRE ALARM TEST SHALL BE MADE WITH THE DSA INSPECTOR OF RECORD (IOR). LOCAL FIRE AUTHORITY SHALL BE NOTIFIED OF DATE AND TIME OF FINAL ALARM TESTING AND SHALL ASSIST/WITNESS SUCH TESTING WHEN ABLE.
- 28. FIRE ALARM CONTRACTOR SHALL PROVIDE A "RECORD OF COMPLETION" TO THE INSPECTOR OF RECORD (IOR)/DSA AFTER COMPLETION OF OPERATION ACCEPTANCE TEST. (2016 NFPA 72 SEC. 7.5.6. & 2019 CFC 901.6.2)
- 29. UNLESS SPECIFICALLY SHOWN ON THESE PLANS NO STRUCTURAL MEMBER SHALL BE CUT, DRILLED, NOR NOTCHED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER AND DISTRICT STRUCTURAL ENGINEER FROM THE DIVISION OF THE STATE ARCHITECT.
- 30. THE INSTALLING CONTRACTOR SHALL PROVIDE A STATEMENT OF COMPLIANCE ALONG WITH THE REQUEST FOR ACCEPTANCE TESTING PER 2019 NFPA-72.
- 31. OCCUPANCY OF THE BUILDINGS IS PROHIBITED UNTIL THE FIRE ALARM SYSTEM IS COMPLETED, TESTED, AND APPROVED PER 2016 NFPA 72.
- 32. SMOKE DETECTORS SHALL BE TESTED PER THE METHOD SHOWN IN 2019 CFC.
- 33. REACCEPTANCE TESTING SHALL BE PERFORMED AS REQUIRED BY 2016 NFPA 72. 34. ALL BACKUP BATTERIES FOR FIRE ALARM SYSTEM EQUIPMENT SHALL BE VISUALLY CHECKED FOR DATE OF INSTALLATION. ALL BATTERIES OVER 5 YEARS OLD SHALL BE
- REPLACED WITH NEW BATTERIES OF THE SAME MANUFACTURER, TYPE, AND AMP-HOUR RATING. 35. FIRE ALARM SYSTEMS SHALL BE SUPERVISED BY AN APPROVED UL LISTED CENTRAL
- STATION, OR REMOTE STATION (UUFX) MONITORING COMPANY (UUJS) (2019 CFC, 907.2.3.5, 907.6.5.3.) 36. A SINGLE FAULT ON A PATHWAY CONNECTED TO THE ADDRESSABLE DEVICES SHALL NOT CAUSE THE LOSS OF MORE THAN 50 ADDRESSABLE DEVICES (2019 NFPA 72

FIRE ALARM WIRE DESIGNATION CHART

SYMBOL	DESCRIPTION	NUMBER OF CONDUCTORS	SIZE	TYPE
V	NOTIFICATION APPLIANCE CIRCUIT	TWO	#12	THHN
D	SIGNALING LINE CIRCUIT (SLC) - ABOVE GRADE	TWISTED PAIR	#14	WEST
UD	SIGNALING LINE CIRCUIT (SLC) - BELOW GRADE	TWISTED PAIR	#14	WEST
Р	24 POWER	TWO	2#12	THHN
А	VOICE EVACUATION CIRCUIT - ABOVE GRADE	TWISTED PAIR	#14	WES
UA	VOICE EVACUATION CIRCUIT - BELOW GRADE	AQUA SEAL TWISTED SHIELDED PAIR	2#12	WEST

NOTE:

SECTION 23.6.1)

1. SYMBOL INDICATES QTY & I.D. OF CIRCUIT. I.E. 2N2, INDICATES (2) 2#12 CI CABLE FOR N CIRCUIT 2. 2. ALL CONDUIT USED FOR FIRE ALARM SHALL BE 3/4" MINIMUM ABOVE GRADE AND 1" MINIMUM BELOW GRADE UNLESS NOTED OTHERWISE. 3. ALL WIRING USED IN UNDERGROUND CONDUITS SHALL BE LISTED FOR WET AREA APPLICATION, IN IN ACCORDANCE WITH CEC 760.

> FIRE ALARM SYSTEM IS ADDRESSABLE, NAC DEVICES ARE 2-WIRE DEVICES. ALL NAC CIRCUITS ARE SYNCHRONIZED.

THE CONTRACTOR SHALL PROVIDE FIRE WATCH DURING DURATION OF FIRE ALARM SYSTEM SHUT-DOWN.

_____ N/THWN FPENN #AQC225 FPENN #D991 THWN FPENN #0990

FPENN #0990

1390 East Broadway El Cajon, CA 92021

Modular Classroom Buildings Relocation

Date Issued For 08/14/2020 Design Development 08/17/2020 100% CD 11/06/2020 DSA BACKCHECK 11/19/2020 DSA BACKCHECK

901 VIA PIEMONTE SUITE 400 ONTARIO, CA 91764 909.477.6915 FAX: 909.477.6916 www.imegcorp.com #20003155.00

2020-06795-000

TO NEXT ADDRESSABLE INITIATING DEVICE

E6-22

2020-06795-000

FIRE ALARM

DETAILS

OFFICE OF LOCAL ASSISTANCE

IDENT FICATION STAMP DIV. OF THE STATE ARCHITEC APP. 04-119479 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 11/20/2020

Reviewed by

BINDING, ORDER

NOTES

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1 TYPICAL EXTERIOR FINISH: NONAH-PLY BRAED-TEL 5/8"x8" V-GROOVED PLYWOOD, PAINTED. 2 TYPICAL INTERIOR FINISH: 1/2" VINYL COVERED TACKBOARD, DONTAR GYPSUN, PLANE SPREAD CLASS

III (U.L. #R8308(S), OVER 1/2" GYPSUM BOARD. TYPICAL CEILING MATERIAL: U.S. GYPSUM #562, FLAME SPREAD CLASS I, UL (R3623(N), IN CHICAGO METALLIC CORP SERIES 1800 HEAVY DUTY SYSTEM SUSPENDED AT 8'-6"

4 EXTERIOR DOOR: 3°x6⁸x1.3/4" 18-GAUGE H.N. WITH 16-GAUGE H.M. PRANE. DOOR SHALL BE OPENABLE FROM THE INTERIOR WITHOUT USE OF KEY OR SPECIAL KNOWLEDGE OR EFFORT. WINDOWS: CALIFORNIA WINDOW CORPORATION SERIES A-700, 8°×4° ALUMINUM SLIDER, SATIN ANODIZED, XOX, WITH NO-LIFT BLOCK ON SLIDER. SCREENS ON OPERABLE SASH.

GLAZING: 1/4" TEMPERED 14% L.T.

6 RAMPS, LANDINGS, HANDRAILS: RAMPS SHALL NOT SLOPE MORE THAN 1" IN 12". HANDRAILS AT BOTH SIDES OF RAMP 32" HIGH. RAMP LENGTH SHALL BE DETERMINED BY SITE CONDITIONS AND MAY BE MORE OR LESS THAN THAT INDICATED. SEE SHEET 2.2 FOR RAMP DETAILS. 7 ROOFING: 30-GA G.I. STANDING SEAM, UNITED STATES TESTING CO. LA 72140 CLASS "B". 8 SCREENED VENT: 18-GA EXPANDED STEEL, 1/2"-F,

PAINTED, 7.5 SQ. FT. TOTAL AREA REQUIRED. 9 FIRE EXTINGUISHER: POTTER ROEMER #3005 5-LB DRY CHEMICAL WITH 2A-10B U.L. RATING, ON

WALL MOUNT BRACKET AT + 48". 10 FINISH FLOORING: CARPET COMPLYING WITH

GROUP 1, TYPE A, CLASS 24, DENSITY 4600 DIRECT GLUE DOWN. 4" TOP SET BASE. INSULATION FIBERGLASS BATTS, R-19 IN ROOF

R-11 IN WALLS. ALL INSULATION MATERIALS INCLUDING FACINGS SUCH AS VAPOR BARRIERS OR BREATHER PAPERS INSTALLE WITHIN FLOOR CEILING ASSEMBLIES, WALLS , CRAWL SPACES OR ATTICS SHALLHAVE A FLAME SPREAD RATING NOT TO EXCEED 25 AND A SMOKE DENSITY NOT TO EXCEED 450 WHEN TESTED IN ACCORDANCE WITH U.B.C.

STANDARD NO. 42-1. AIR CONDITIONER. SEE SHEET M-1.

12

13

METAL TAG ON ALL MODULES. MECHANICALLY ATTACH TO EXTERIOR OF BUILDING SHOW OSA APPLICATION NUMBER, MANUFACTURER'S NAME AND SERIAL NUMBER. ALSO O.L.A. TAG W/O.L.A.

NUMBER WITH ROOF LIVE LOAD AND WIND LOAD. 14 CHALKBOARD: NELSON ADAMS CO, NACO SERIES 60, WITH 1/2" PARTICLE BOARD SUBSTRATE. FULL LENGTH MAP RAIL WITH CORK INSERT AND SIX MAP HOOKS, EXTRUDED ALUHINUH HOLDINGS AND CHALK TROUGH WITH FLAG HOLDER.

5'-0"

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SCALE 1/4" - 1-0"

15 FIRE ALARM: SEE SHEET 4.0. 16 DOWNSPOUTS: 2°x3°x26-GAUGE AT REAR ONLY.

17 PAINT COLORS:

(e)-+O-

DRIFTWOOD: SIDING, SKIRTING, VERTICAL TRIM, SOFFIT, DOOR TRIM, BOTTOM CHANNEL. RICH BROWN: FASCIA AND WINDOW TRIM. PREFINISHED BRONZE: DOOR AND FRAME. SATIN NAVAJO WHITE: ALL INTERIOR TRIM.

SEE SHT. R-1

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RODF FRAMING PLAN PLYWOOD ROOF SHEATHING: 32/16 INDER, 1/2 C-D. EXPOSURE 1... UNBLOCKED, BOX MAILS, 88 AT S" D.C. DOUN-DARY AND SUPPORTED EDGES, Bd AT 12" FIELD. BEARING WALL BELOW: 2x4 STUDE AT 16" O.C. ROOF RAFTER: 285 NO. 2 D.T. AT 24" O.C. RIN RAPTER: 2x5 D.F. 42. NAIL TO BAPTERS WITH 3-16d. SPLICE PLATE: 286 MITH 2-166 BOTH SIDES DE SPLICE, HANG ROOF RAFTER TO PLATE WITH SIMPSON U26.

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DOUBLE RAFTER: 2-2x6 D.F. #2. WALL TO-GETHER WITH 16d, TWO ROWS STAGGERED AT 24" AND 2-16d AT ENDS. HANG BUTTING BAFTERS WITH SIMPSON U26. SOLID BLOCK: 2x6 TIGHTLY FITTED. SIMPSON a35 BLOCK TO TOP PLATE, ONE PER BLOCK. NAIL ROOF SHEATHING TO BLOCKS &d BOX AT 5"

NOT USED. 9 FILLERS: 2-2x6.

10 BOLTS: 6-1/2 \$ M.B. AT MODULE JOINT. 11 RIDGE CHANNEL: C 12x20.7. W/ "CAMBER SEE DET ZI" 12 SOLID BLOCK: 2x6. 13 SIMPSON a35 IN THREE PLACES.

FLOOR FRAMING PLAN

PLYWOOD FLOOR SHEATHING: APA, PS 1-83, 2-4-1 1.1/8" THICK, T & G, EXPOSURE 1. A ATTACH PLYWOOD TO STEEL PERIMETER FRAME W/ #10x1.3/4" SELF-TAPPING FLAT HEAD SCREWS TO Z 7x11-GA AEROSMITH AKN 144.0175 DRIVE PINS (ICBO #4144; SUPPL.2), AT 6" O.C. BOUNDARY AND SUPPORTED EDGES, 12" O.C. FIELD.

COLUMN: TS 2"x2"x3/16". BOLTS: 5-1/2" M.B. AT MODULE JOINT. FLOOR JOISTS: 2 7x11-GA AT 48" O.C. 5 C 7x9.8 PERIMETER FRAME.

STRUCTURAL ELEVATIONS

TYPICAL 5/8" EXTERIOR PLYWOOD (SEE NOTE 1:1): GALVANIZED BOX NAILS 8d AT 6" BOUNDARY AND SUPPORTED EDGES, 12" FIELD. NAIL TO RIM RAFTER AND TOP PLATE 8d AT

STUDS: 2x4 AT 16" O.C. RIM RAFTER: SEE NOTE ON ROOF FRAMING. DOUBLE 2x4 TOP PLATE: AT SPLICES LAP 4 -0" AND NAIL 8-16d BOTH SIDES OF SPLICE. FACE NAIL PLATES 16d AT 12" O.C. STEEL STRAP PLATE: NAIL WITH 8-16d NAILS. SEE DETAIL 17:2.

DOUBLE PLATE: 2-2x4 CONTINUOUS. 7 SPLICE IF 8' HIGH PANELS ARE USED. SEE DETAIL 20:2.1.

HEADER: 4x8 #2 DOUGLAS FIR. TRIMMER: 1-2x4 AND KING STUDS 3-2x4 WITH SIMPSON a35 TO PLATE AND SILL. 10 FRAME FOR 8°x4° WINDOW CENTERED IN PANEL.

12 COLUMN: TS 2"x2"x3/16" ONE 2x4 STUD ATTACHED WITH HILTI DN 52-P8, MINIMUM OF

13 OR 3-1/2" STUD BOLTS, 1 AT BOTH ENDS AND ONE AT MIDDLE.

13 COLUMN: TS 2"x2"x3/16" ONE 2x4 STUD ATTACHED WITH O 140 \$ SHOT PINS HIN. OF B. 14 HEADER: 2-2x4 #2 DOUGLAS FIR W/ PLWD. FILLER. 15 TRIMMER: 1-2x4 AND 2-2x4 KING STUDS. FACE NAIL 2x45 16d AT 8".

16 HOLD DOWN ANCHORS: SEE DETAIL 18:2. BOLT THROUGH TRIMMER AND STUDS WITH 2-5/8"¢ M.B. HOLD DOWN ANCHOR: DETAILS 13:2 AND 18:2.

2-5/8 \$ M.B. THROUGH 2-2x4 STUDS. 18 TYPICAL 5/8" EXTERIOR PLYWOOD (SEE NOTE 1:1): GALVANIZED BOX NAILS 8d AT 4" BOUNDARY AND SUPPORTED EDGES, 8d AT 12" FIELD.

20 HEADER: 2-2x6 #2 D.F. W/ PLWD. FILLER. NOT USED.

HOLD DOWN ANCHOR: BOLT THRU 2x4 TRIMMER AND 4x4 COLUMN WITH 2-5/8"0 M.B. ANCHOR SIMILAR TO DETAIL 13:2. C 7x9.8 PERIMETER FRAME.

STUD BOLTS: 5/8" \$ 3.1/2": ONE WITHIN 9" FROM END OF PLATE AND ONE AT THIRD POINTS, TOTAL OF 4.

NAIL THRU VERTICAL INTO HORIZONTAL HEAD OR SILL, MINIMUM 4-16d PER CONNECTION. TYPICAL AT CORNERS OF OPENINGS. STUD AT PANEL JOINT: 2-2x4 NAILED TOGETHER

WITH 16d AT 8" O.C. SEE DETAIL 17:2.1. NOT USED. POST 4x4. TOENAIL BOTH SIDES 16d AT 24" TO

2x4 ATTACHED TO TS COLUMN. SIMPSON #35 TO TOP AND BOTTOM PLATE. از کی کردار سید و از وربید ماسیند و است. می واد مار بر ایمان کرد سامه کم ایس کرد و است. می واد مار بر ایمان کرد سامه کم ایس کرد و ا

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INDEX OF DRAWINGS

COVER, SHEET -----FLOOR FLAN & INTERIOR ELEVATIONS ROOF PLAN, EXTERIOR ELEVATIONS A-2 & DETAILS A-3 ELECTRICAL PLAN & HVAC E-FOUNDATION PLAN & DETAILS 5-1 5-2 FLOOR FRAMING PLAN & BUILDING SECTIONS 5-2A ALTERNATE FLOOR FRAMING PLAN & BUILDING SECTIONS ROOF FRAMING PLAN & BUILDING SECTIONS 5-3 FRAMING ELEVATION & SECTION 5-4

5-5 FRAMING ELEVATIONS & DETAILS RAMP PLAN & DETAILS

SCOTSMAN 24' x 40'

RELOCATABLE CLASSROOM

DESCRIPTION 1. OCCUPANCY CLASS - El

2. NUMBER OF STORIES - 1 3. ADDN. TO EXIST. BLDG. - NO 4. TOTAL SQUARE FEET - 23'-8" × 40'-0" 5. AUTO. FIRE SPRINKLERS - NONE

OFFICE OF STATE FIRE MARSHAL APPROVED

I prevat of this clan does not authorize as approve a translation of Periodical from applicable fegular tures. Final approval is project to held inspection One set of as proved plans shall be available on the project site ut all times.

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6. CONSTRUCTION - TYPE V, NON RATED 7. AREA PER FLOOR - 947 S.F. 8. AREA EXIST. BLDG. - NOT APPLICABLE 9. CAPACITY - 48 PERSONS 10. HEIGHT IN FEET - 12'-1" MIN. TO 13'-3" MAX. TESIGN LOADS: ROOF LIVE LOAD - 20 PSF FLOOP LIVE LOAD - 50 PSF RAMP LIVELOAD - 00 PSF Show LIVE LOAD - NONE WIND LOAD - 15 PSF SEIS ZONE - IV

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WHICE OF THE STATE ARCHICE

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DENGELHREE 12-3

PAID FOR BY THE OWNER

1000 PSF,

IS NOT A PART OF THIS CONTRACT; R. PREPARATION AND CLEARING OF SITE

THE REQUIREMENTS OF TITLE 19,21,24 OF

CALLE ADMINISTRATIVE CODE, 1979 LIBC \$ 1985 LIMC UPC F192 NATIONAL ELECT. CODE AND APPLICABLE

ALL WORK OF ALL TRAPES SHALL COMPLY WITH INTERPRETNE REGULATIONS (I.R.) OF OSA

GENERAL NOTES

ALL CHANGES TO APPROVED PLANS WILL REQUIRE

WRITTEN APPROVAL BY THE AGENCY ARCHITECT.

OSA AND OLA PRIOR TO BEGINING THE WORK WORK NOT IN CONTRACT ; THE FOLLOWING WORK

AND GRADING TO WITHIN 9" OF LEVEL GRAPE

b, REMOVAL OF TURE AND OTHER. SITE DEBRIS. C. BUILDING PAD BEARING CAPACITY OF AT LEAST

d. INSTALLATION OF SITE UTILITIES AND

COORDINATION OF ON-SITE FIRE ALARM SYSTEM.

4. GENERAL REQUIREMENTS FOR CONSTRUCTION: REFER TO SHEET S.1,

5. FINISH NOTES AND MATERIAL SPECIFICATIONS:

REFER TO SHEET A-1 \$ A-3,

6. ALL INDEPENDENT TESTING AND INSPECTIONS

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0"	.	DIV. OF THE STATE ARCHITECT APP. 04-119479 INC:
		DATE: 11/20/2020
OF I.D. TAG	ж:	<u>GENERAL NOTES</u>
SNAME AND SA APPROVAL I	EERN WINDLOAD & ROOF	CHASSIS 1. TWO 12' X 40' PERIMETER CHASSIS WITH STEEL "Z" FLOOR JOISTS 48"
CATE		
RUNE	FINISH	1. FLOOR: DIRECT-GLUE-DOWN-TYPE CARPET PER STATE OF CALIFORNIA SPECIFICATION 7220-11A-01, GROUP I, TYPE A, COLOR AS
	- HITCHES, EITHER END	SELECTED BY THE AGENCY. CARPET DENSITY SHALL BE 4000 MINMUN. PILE YARN SHALL BE A BRANDED NYLON. CAMERAY MILLS I TRINIDAD
		2. BASE: 1/8"-THICK X 4"-HIGH MOULDED TOP-SET RUBBER BASE. "BURKE RUBBER CO." #502-P OR EQUAL (SOLID COLOR). CLASS II FIRE RATING
`\		SHEETROCK BACKING, THE VINYL COATING SHALL WEIGH
ick		PANELS SHALL HAVE A CLASS II. THE PANELS SHALL BE APPROVED FOR USE BY THE OFFICE OF THE CALIFORNIA STATE FIRE MARSHAL.
		VINYL-COVERED TACKBOARD AS MANUFACTURED BY "DOMTAR GYPSUM AMERICA INC." CARE SHALL BE TAKEN IN MOUNTING THE TACKBOARD SO
		THAT ORIENTATION AND COLOR MATCH. 4. CEILING: SUSPENDED EXPOSED T-BAR CEILING WITH MINIMUM 5/8"-THICK MINISTRAL SUSPENDED ACOUSTICAL LAY-IN PANELS 24" X 48" MODULAR
		SIZE. LIGHT REFLECTANCE 75% MINIMUM, AND NOISE-REDUCTION COEFFICIENT OF 0.65 MINIMUM. CEILING HEIGHT: 8-6 CEILINGS
•		HEAVYDUTY'. SHALL HAVE A MINIMUM CLASSIFICATION OF GRID SHALL BE DIRECT-HUNG IN
		CELOTEX 24'X48'X58" BAROQUE" MINERAL BOARD,
	-	1. 5/8-THICK MDO PLYWOOD SIDING, EXTERIOR TYPE, CONFORMING TO PS 1-83. (OR BRAND TEX). APPLY OVER MONSTURE BARRIER
		15# FELT. SEAL ALL EDGES WITH A HEAVY COAT OF HIGH-GRADE EXTERIOR HOUSE PRIMER OR AN ALUMINUM PRIMER FORMULATED FOR WOOD
		BEFORE INSTALLATION.
		: WALLS AND FLOOR SHALL HAVE AN INSULATION RATING OF R-11. ROOF SHALL HAVE AN INSULATION RATING OF R-19.5000 EDENSITY, SHALL BE
		LESS THAN 450, FLAME SFREAD RATING SHALL BE LESS THAN 25. MOISTURE BARRIER
LYDOADDC		1. ALL WEATHER-EXPOSED SURFACES SHALL HAVE A WEATHER-RESISTIVE BARRIER TO PROTECT THE INTERIOR WALL COVERING. SUCH BARRIER SHALL
LINDUARUS	•	WATERPROOF BUILDING PAPER, OR UBC STANDARD 32-1 FOR ASPHALT- SATURATED RAG FELT. MOISTURE BARRIER SHALL BE FREE FROM HOLES AND
	\checkmark	BREAKS OTHER THAN THOSE CREATED BY FASTENERS AND CONSTRUCTION SYSTEM DUE TO ATTACHING OF THE MOISTURE BARRIER, AND SHALL BE
→		APPLIED OVER STUDS OF ALL EXTERIOR WALLS. MOISTURE BARRIER SHALL BE APPLIED WEATHER-BOARD-FASHION, LAPPED NOT LESS THAN 2" AT HERITONIAN JOINTS AND NOT LESS THAN 5" AT VERTICAL JOINTS
		DOORS
		1. 3'-0" X 6'-8" X 1-3/4"-THICK FLISH STEEL CRAFT L-18-4-W/18GA STL FACE SHEETS AND SOUND-DEADENING MATERIAL ON INTERIOR TO EFFECTIVELY
		REDUCE METALLIC RING. CONSTRUCT PER CS242 AS MINIMUM REQUIREMENT. FACTORY-PREPARE AND REINFORCE FOR INDICATED FINISH HARDWARE,
		DOOR FOR PAINT ADHESION AND APPLY ONS COMPLETE SHOP COAT OF METAL PRIMER PRE-FINISHED -BRONZE COLOR.
		2 PRESSED METAL FRAME SHALL BE KNOCK-DOWN OR WELDED TYPE PER CS242 AS MINIMUM REQUIREMENT. MANUFACTURER'S STANDARD 16-GA. STEEL
		DEPTH AS REQUIRED TO SUIT WALL THICKNESS.
	-	REINFORCEMENT FOR CLOSER ON ALL FRAMES. SOUND-DEADEN CONCEALED
		PAINT ADHESION AND APPLY ONE COMPLETE SHOP COAT OF METAL PRIMER.
		HARDWARE 1. BUTTS: HAGER 41/2×41/2 BBIMINRP 260
		DESIGN. 2. CLOSERS: SIZE AS RECOMMENDED BY MANUFACTURE FOR DOOR
		3. LOCKSET: CLASSROOM LEVER-HANDLE LOCKSET, MORTISE OR CYLINDRICAL TYPE. "SCHLAGE" D70PD
		US-26D FINISH, OLYMPIAD! LEVER HANDLE 4. THRESHOLD: "PEMKO" 271-A 5" ALUMINUM WITH "PEMKO" 216-AV DOOR
	FOR RAMP PLAN	5. WEATHERSTRIPPING: "PEMKO" 292 D 6. ALL EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE"
	AND DETAILS (NOT SHOWN HERE)	OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT. 7. MAXIMUM PRESSURE TO OPERATE DOORS: EXTERIOR 8.5 LBS.
	SEE A	INTERIOR 5 LBS.
		W L N D O W S 1. 8'-0" X 4'-0" ANODIZED ALUMINUM FRAME SINGLE-PANE MINDOW UNITS. WINDOW FRAME SHALL BE THE 50% DOUBLE-SLIDING SASH TYPE (XOX).
		GLAZING MATERIAL SHALL BE 7/32", MINIMUM, TEMPERED GLASS OR LAMINATED AS-1 GLASS OF SOLAR GRAY. GLARE-REDUCING TYPE WITH A
		LIGHT TRANSMITTANCE FACTOR RANGING BETWEEN 12% AND 16%. HEADER HEIGHT: 6'-8". ALL OPERABLE SASH SHALL HAVE ALUMINUM SCREENS.
		CHALKBOARD
		1. TWO 8'-0" X 4'-0" A-1 MEG MSAE 9648 WITH EXTRUDED ALUMINUM MOLDING AND CHALK TROUGH.
		FULL-LENGTH MAP RAIL WITH TACKBOARD OR CORK INSERT. A MINIMUM OF SIX (6) MAP HOOKS WITH CLIPS AND A FLAG-HOLDER (1/2" STAFF SIZE).
		FIRE EXTINGUISHER WITH 2A-10BC RATING MOUNTED AT A
5'-5"		HEIGHT OF 4-0. FIRE EXTINGUISHER SHALL BE TOTALLY CHARGED AND HAVE A DIAL INDICATING THE STATE OF CHARGE.
ENENTS	*	PAINTING
BUILDINGS, INCLI	UDING BUT NOT E ROOMS, SHALL	THE FOLLOWING ITEMS SHALL MEET THE FOLLOWING FLAME SPREAD & SMOKE
WENTS OF SECT	KN 2-3304 TITLE 24 CAC	<u>CONTRIBUTION RATINGS</u> 1. CARPET - CLASS 1
OPENABLE FROM	THE INSIDE WITHOUT THE	2 INSULATION - LLASS I 3. VINYL COVERED WALLS - CLASS II SMOKE CONTRIBUTION: 5 4. SUSPENDED CELLING - CLASS I FLAME SPREAD 25: SMOKE
PENING HARDWAR	RE SHALL SE CENTERED	5. RUBBER BASE - CLASS 2 CONTRIBUTION 0-15.
ICHES ABOVE TH	S OPERABLE WITH A	
LEVER TYPE H	ARDWARE	$\left(\begin{array}{c} A \\ \end{array}\right)$
		FLOOR PLAN
DATE 12	2/11/87	REMSIONS PROJECT NO.
	M. NO DATE	DESCRIPTION NO DATE DESCRIPTION STD OLA
CHECKED BY: D.	w <u>\[\[\[\] </u>	SHEET NO.
SERIAL NO.		<u> </u>
		1 OF 3 1

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2 x 4 STUDS AT 16" O.C. MODULE -PROMDE 10d AT 8" O.C. (2-PER EA 5/8" PLYWOOD SIDING. STUD SPACE). SEE C 2-16d END NAIL TO EA STUD. -2×4 PLATE W/ BOUNDARY FASTENING .-1/2" \$ BOLT @ 3'-4" O.C. "RAMSET" #3348% POWER DRIVEN BOLT TO BM FINS (W/ WASHERS) AT 2A." O.C. SEE DTL X FOR ALTERNATE ~~36"×1½"×3" 电 BOLTS OF BOLT - (PE TO FLANGE 卯山巴 ALTERNATE BOLTS @ SILL PL BOUNDARY NAILING. -TYPICAL AS SHOWN. 5.1."Z' METAL FLACHING C 7x9.8 CHASSIS BEAM (SIDE). -SHIM BETWEEN HERE AS REO'D , lod box electro Galy. Toe NAILS @ 12" O.C. W/ PLYWOOD AND 2 x 8'S 5/8" PLYWOOD FIELD CLOSURE W/ 84 E.G. BOX NAILS; 00,0, E.N. NAILER W/ 1/2 & M BOLTS TO CHASSIS BEAM. FOR SPACING SEE B ALTERNATE: "RAMSET" FLANGE GAGE = (3-4) #3337X POWER DRIVEN CLR 2 x 4 x 4'-0" LONG PLATE. 2 x 8 x 4'-0" LONG PLATE. - SHIM BETWEEN HERE AS REQ'D W/14" MIN. WD SHWS/ FOR SPACING SEE FOUNDATION PLAN. 8-10d ELECTRO, GALV TO 8-10d ELECTRO, GALV TO PLATE BOTTOM PLATE BELOW. 2 x 4 x 4'-0" LONG PLATE. (PRESSURE IREATED) BELOW. (PRESSURE TREATED) FOR SPACING SEE FOUNDATION PLAN. 2 x 8 x 4'-0" LONG PLATE. 8-100 ELECTRO- GALV TO PLATE BELOW. ANCHORS FOR BOTTOM PLATE.-FOR SPACING SEE FOUNDATION PLAN. 1 3/2 -SEF. 5 8-10d ELECTRO. GALV TO BOTTOM 2 × 8 CONT BOTTOM PLATE (PRESSURE TREATED) SPLICE @ 4' LONG BLOCKS W/ PLATE BELOW. (PRESSURE TREATED) 4.10d BOXEA, SIDE S-1/ 2 x 4 STUDS AT 16" O.C. "RAMSET" # 3348 X POWER DRIVEN PING (W/WAGHERS) AT 5/8" PLYWOOD SIDING .-8"0.4. GEE DTL. 1X/5-1 FOR SEE B ALTERNATE BOLTS BOUNDARY FASTENING. REMAINDER OF NOTES PER 3 $^{\prime}2 \times 4$ PLATE W/ 2–16d END NAIL TO EA STUD. BOUNDARY NAILING.-TYPICAL AS SHOWN. AS REQ'D. G.1,"Z" NETAL FLASHE GII Z' METAL FLANE -2"x 4 PRESSURE TREATED #2 D.F. CONT NAILER C 7x9.8 CHASSIS BEAM (SIDE) -"SIMPSON" #ST22 STRAP TIE-W/ 1/2" & CARR BOLTS TO CHASSIS BEAM. ACROSS MODULE JOINT. FOR SPACING SEE A C ALTERNATE: "RAMSET" A USE 'SILVER' # SM.24 5/8" PLYWOOD FIELD FLANCE CAGE = 5-5 5-5 #3337X POWER DRIVEN CLOSURE W/84 E.G. BOX NAILS ; 4"O.C. E.N. 12"D.C. F.N. 1 5/8". PINS AT 10 O.C. (15 - MIN REQ'D). d Box Electro Galv the Nails (0.12) 0.C. Shim between here as req'd W/ "44" MN. THICK WD SHIME .: 2 x & CONT BOTTOM PLATE. ~ -2 x 4 X 4'-0" LONG PLATE (PRESEIVE TREATED) (PRESSURE TREATED). 5PLICE FOR SPACING SEE FOUNDATION PLAN. @ 4' LONG BLOCKS W/ 8-10d ELECTRO - GALV TO PLATE BELOW. FLANGE GAGE = $1.5/8^{\circ}$ 4-100 EA. 510E -2 x 4 X 4'-0" LONG PLATE (PRESENCE TREATED) ANCHORS FOR BOTTOM PLATE. SEE 5 FOR SPACING SEE FOUNDATION PLAN. 8-100 ELECTRO- GALV TO BOTTOM PLATE BELOW. (S - 1)_____CHASSIS BEAM OPTENAL ASPHALT SURF, ANCHORS ____SIM._DET._3/5-1---4" LONG X 0.192" MIN, E.G., POWER PRIVEN ANCHORS FOR BOTTOM PLATE: بريدة ومستحد الأمرية المراجع المراجع المراجع المراجع المتعيين FIN W/ MET WASHER (48" O.C. MAX. DIRT AND ASPHALT SURFACE: 1" # GALV PIPES AT 10 FT MAX O.C. - RUTE OUT VENT ONG AS REQ'D ASPHAL1 SURFACE: 1" Ø GALV PIPES AT 10 FT MAX O.C. OR 20d COMMON AT 48" MAX O.C. GI. "2" METAL FLACHE-CK SILVER NO. V23 F A NAILING PER DIL'S PRESSIRE TREATED BOTTOM PLATE -----FOUNDATION VENT (6 -2 1 2 MAX 5 $\left(S-1\right)$ MARCE OF THE STATE OF "HILLS! STRUCTURA: SAFET NECTIONS No, 776 (BLIC 1 JAL UP 1 10 LIB) "Inn Arristation Judge F. M. Comt HEADIN BLODING HUMAN OF CALITY V/ 1/602 1:977/ LIPPAISE 197326: 12-21 02

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GENERAL	CONSTRUCTION	NOT

 ALL WORK SHALL COMPLY WITH TITLE 19, 21 AND 24 OF THE CALIFORNIA ADMINISTRATIVE CODE.
 ALL CONTRACTORS SHALL VERIFY ALL WORK CONDITIONS,

- DIMENSIONS, AND DETAILS, AND REPORT ANY OR ALL OMISSIONS AND DISCREPANCIES TO THE THE DESIGNER/OWNER
- IMMEDIATELY BEFORE COMMENCING WORK. 3. EACH CONTRACTOR TO BE RESPONSIBLE TO SEE THAT HIS WORK CONFORMS TO ALL GOVERNMENTAL CODES, WHETHER OR NOT SO STATED ON THE DRAWNGS.
- 4. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE 1985 TITLE 24 PART 2 & THE 1979 UBC
- 5. ALL MANUFACTURED ARTICLES, MATERIALS, AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED, AND ERECTED PER MANUFACTURER'S DIRECTIONS AND THESE DRAWINGS.
- 6. SHOP DRAWINGS MAY BE REQUIRED. IF SO, THEY WILL BE ACCURATELY DRAWN TO A LARGE ENOUGH SCALE TO SHOW ALL PERTINENT FEATURES OF THE ITEM AND ITS CONNECTION TO RELATED WORK.
- 7. DESIGN ROOF LIVE LOAD = 20 PSF. DESIGN FLOOR LIVE LOAD = 50 PSF. RAMP = 100 PSF. NO SHOW LOAD,
- 8. THE MANUFACTURER OR BUILDER IS TO PLACE A PERMANENT METAL IDENTIFICATION LABEL ON EACH MODULE, MECHANICALLY FASTENED TO THE FRAME AND VISIBLE FROM THE EXTERIOR OF THE END OF THE MODULE. SHOW THE OSA APPLICATION NUMBER AND THE MANUFACTURER'S OR BUILDER'S NAME AND SERIAL NUMBER ON THE LABEL. THE LOCATION OF THE IDENTIFICATION LABEL SHALL BE AT A HEIGHT THAT WILL PRECLUDE EASY ACCESS AND REMOVAL AND SHALL BE SHOWN ON EXTERIOR BUILDING ELEVATIONS ON DRAWINGS. FOR PROJECTS MANUFAC-TURED OFFSITE, THE AGENCY INSPECTOR SHALL INDICATE THE MANUFACTURER'S NAME AND SERIAL NUMBER OF EACH MODULE ON
- THE VERIFIED REPORT. 9. ALL CHANGES SHALL REQUIRE WRITTEN APPROVAL OF THE AGENCY ARCHITECT, OLA AND OGA PRIOR TO COMMENCING WORK. 10. ALL TESTS AND INSPECTIONS REQUIRED BY THE AGENCY ARCHITECT
- 10. ALL TESTS AND INSPECTIONS REQUIRED BY THE AGENCY ARCHITECT, OLA AND OSA SHALL BE COMPLIED WITH. TESTING AGENCY & INSPECTOR'S SHALL BE HIRED & PAID FOR BY OWNER. E O U N D A T I O N
- ASSUMED ALLOWABLE SOIL BEARING: 1000 PSF.
 FOOTINGS SHALL BE LOCATED ON UNDISTURBED FIRM NATURAL SOIL OR APPROVED COMPACTED FILL, OR ON AN APPROVED PAVED SURFACE.
- STRUCTURAL STEEL AND WELDING 1. STRUCTURAL STEEL SHALL CONFORM TO ASTM A-36. 2. PIPE COLUMNS SHALL CONFORM TO ASTM A-53, GRADE "B."
- ALL WELDING SHALL CONFORM TO ASTM A-500, GRADE "B."
 STEEL TUBING SHALL CONFORM TO ASTM A-500, GRADE "B."
 ALL WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS
- 4. ALL WELDING SHALL BE PERFORMED BT CERTIFIED INCEDENCE
 USING THE ELECTRIC SHIELDED ARC PROCESS AS FORMULATED
 BY THE AMERICAN WELDING SOCIETY.
 5. ALL STRUCTURAL WELDING SHALL BE PERFORMED BY
- CERTIFIED WELDERS, WITH INSPECTION PROVIDED BY AN OSA-APPROVED INSPECTOR.
- STRUCTURAL WELDS ARE DESIGNED FOR FULL ALLOWABLE STRESS UNLESS OTHERWISE NOTED.
 BOLTS FOR STRUCTURAL STEEL JOINTS SHALL CONFORM TO ASTM.
- 7. BOLTS FOR STRUCTURAL STEEL JOINTS SHALL CONFORM TO ASTM A-307 UNLESS OTHERWISE NOTED. ALL HOLES FOR MACHINE AND CARRIAGE BOLTS THROUGH STEEL SHALL BE DRILLED.
- 8. STEEL FABRICATOR SHALL FIELD-CHECK ALL DIMENSIONS PRIOR TO ERECTION TO PROVIDE FOR A PROPER FIT.
- STEEL MATERIALS FURNISHED BY THE STEEL FABRICATOR SHALL BE MADE AVAILABLE TO THE PROJECT ENGINEER.
- 10. WELDING ELECTRODE SHALL BE EGO OR E70. 11. STEEL FLOOR MEMBERS SHALL BE GIVEN A RUST-INHIBITIVE
- 11. STEEL FLOOR MEMBERS SHALL BE GIVEN A RUST-INHIBITIVE COATING. 12. LIGHT GAGE STEEL "Z'JOISTS TO CONFORM TO ASTM-570
- L U M B E R 1. ALL LUMBER SHALL BE GRADE-MARKED AND CONFORM TO THE GRADING RULES ESTABLISHED BY THE WWPA OR WCLIB. ALL FRAMING LUMBER SHALL BE MARKED NC-15 OR SURFACED DRY (S-DRY).
 - À. ROOF FRAMING: RAFTERS, RIM JOISTS, AND NAILERS: DOUGLAS FIR/LARCH, NO. 2 OR BETTER. BLOCKING: DOUGLAS FIR/LARCH, NO. 3 OR BETTER, OR HEMLOCK, NO. 3 OR BETTER.
 - BEAMS: DOUGLAS FIR/LARCH, NO. 1 OR BETTER. B. WALL FRAMING:
 - STUDS: DOUGLAS FIR/LARCH, NO. 2 OR BETTER. TOP AND BOTTOM PLATE(S): DOUGLAS FIR/LARCH, NO. 2 OR BETTER. WOOD POSTS (4 x 4) - DOUGLAS FIR/LARCH, NO. 1
 - OR BETTER.
 - C. FOUNDATION: PADS AND BLOCKS: PRESSURE TREATED D.F. PADS AND BLOCKS SHALL BE VERIFIED BY A CERTIFICATE OF TREATMENT STATING WATERIAL IN THIS UNIT WAS TREATED PER IBC STANDARD SECTION 25-12. ALL MATERIAL IN GROUND CONTACT SHALL BE STAMPED "FOR GROUND CONTACT" FACH PIECE SHALL BE STAMPED WITH APPROPRIATE
 - AWPB STAWP, CRADES : <u>'ABOVE GROUND USE</u>: AWPB NO. LP2
 - EROUND CONTACT : AWPB NO. LP22
 - SHIMS: MAY BE REDWOOD OR CEDAR-ALL HEART OR FON GRADE AND PRESSURE TREATED D.F. PLYWD. ALL CUT ENDE AND HOLES SHALL BE TREATED W/ "CIPRINAL".
- 2. NAILING SHALL CONFORM TO TABLE 2-25P OF TITLE 24 OF BUILDING CODE UNLESS OTHERWISE INDICATED.
- ALL NAILS SHALL BE BOX NAILS UNLESS OTHERWISE NOTED.
 MACHINE-APPLIED NAILING: USE OF MACHINE NAILING IS SUBJECT TO A SATISFACTORY JOBSITE DEMONSTRATION FOR
- EACH PROJECT AND APPROVAL BY THE PROJECT ARCHITECT OR STRUCTURAL ENGINEER AND THE OFFICE OF THE STATE
- ARCHITECT, THE APPROVAL IS SUBJECT TO CONTINUED SATISFACTORY PERFORMANCE, MACHINE NAILING WILL NOT BE APPROVED IN 5/16" PLYWOOD, IF NAILHEADS PENETRATE THE
- OUTER PLY MORE THAN WOULD BE NORMAL FOR HAND HAMMER, OR IF MINIMUM ALLOWABLE EDGE DISTANCES ARE NOT MAINTAINED, THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY. EXTERIOR TRIM: B-SELECT D.F. OR H.F.
- 5. EXTERIOR TRW: B-SELECT D.F. OR H.F. <u>P L Y W O O D</u> 1. PLYWOOD SHEETS SHALL CONFORM TO PS 1-83 AND SHALL BE
- CLEARLY STAMPED WITH THE DEPA GRADE MARK.
- 2. FASTENERS FOR EXTERIOR 5/8" PLYWOOD SIDING TO BE ELECTRO - GALV. NAILS PER UBC STD. 25-17 (1985).

12/11/87			REVI	SIÓN	S		PROJECT NO.
	NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION	STD OLA
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		****						39'-1	0 3/4"		
- -	0, 8,							,39'-1	0 3/4"		
	9' 8 "				9)'-8"		, 39'-1	0 3/4"		9'8 *
2'-7"	9'-8" 2'-7"	2'-7*	2'-7"	2'-	9 .7* 2'.	0'-8" -7"	2'7*	,39'-1 2	0 3/4"	2'-7"	9'-8"
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2'-7*	9'-8" 2'-7"	2'-7*	2'-7"	2'	9 -7*2*2*		2'7*	, 39'-1 , 2 , 2 , 2 , 3	0 3/4"	2'-7*	9'-8"
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SCOTSMAN

ENGINEERING & CONSTRUCTION DIVISION 2550 EAST 68TH STREET, LONG BEACH, CA. 90805 213-531-2230 OR 714-761-4553 2419 FIRST AVENUE, GREELEY, CO. 80631 303-356-5950 24'x40' STANDARD O.L.A. MODULAR RELOCATABLE CLASSROOM BUILDINGS

FRAMING ELEVATIONS DETAILS

	SYMBOLS				
TYPE	SYMBOL	DESCRIPTION			
DETAIL		DETAIL ON SAME SHEET AS SYMBOL			
, DETAIL		DETAIL NUMBER (I) ON SHEET NUMBER (2)			
NOTE		NOTE NO I ON SAME SHEET AS SYMBOL			
NOTE	4 5	NOTE NO 4 ON SHEET NUMBER (5)			
WALL PANEL		WALL PANEL TYPE "A" ON SHEET (1)			
SECTION		SECTION "A" ON SHEET (2)			
REV		REVISION CHANGE IN DWG NO (1) FIRST REVISION			
REV	ECLOUD -	HIGHLIGHTS CHANGED AREA			
REF		DOOR REFERENCE			
REF		WINDOW REFERENCE			
REF	TZ	SEE STRUC, DWG			
REF	(HV)	SEE MECH DWG			
REF		* SEE ELEC DWG			
REF.	PLG	SEE PLUM DWG			

SPECIFICATIONS SUBJECT TO CHANGE DUE TO PRODUCT IMPROVEMENT

WITH THE SIGNING OF THE DRAWINGS, WE ACKNOWLEDGE THAT WE HAVE REVIEWED THESE PLANS AND SPECIFICATIONS AND HAVE FOUND THEM TO BE IN GENERAL COMPLIANCE WITH THE BID DRAWINGS, SPECIFICATIONS AND ASSOCIATED ADDENDUMS WHEN THESE PLANS AND SPECIFICATIONS HAVE BEEN APPROVED BY THE DEPARTMENT OF HOUSING, THEY SHALL PRESIDE OVER CONFLICTING AREAS IN THE BID DRAWING AND SPECIFICATIONS, AND ANY ADDENDUMS THERETO

1994 UBC AND 1995 CALIFORNIA AMENDMENTS (95 CALIFORNIA BUILDING CODE - PART 2, TITLE 24, CCR) 1993 NEC AND 1995 CALIFORNIA AMENDMENTS (95 CALIFORNIA ELECTRICAL CODE - PART 5, TITLE 24, CCR) 1994 UMC AND 1995 CALIFORNIA AMENDMENTS (95 CALIFORNIA MECHANICAL CODE - PART 4, TITLE 24, CCR) 1994 UPC AND 1995 CALIFORNIA AMENDMENTS (95 CALIFORNIA PLUMBING CODE - PART 5, TITLE 24, CCR) 1994 UNIFORM FIRE CODE WITH STATE AMENDMENTS (CALIFORNIA FIRE CODE - PART 9, TITLE 24, CCR) 1994 BUILDING STANDARDS CODE (95 STATE REFERENCED STANDARDS CODE - PART 12, TITLE 24, CCR) TITLE 19, C.C.R. PUBLIC SAFETY, STATE FIRE MARSHELL REGULATIONS

JOB # 2961 PC 275

RELOCATABLE BUILDING (S)

FOR

CAJON VALLEY USD

24' X 40'

IDENTIFICATION STAME DIV. OF THE STATE ARCHITED APP. 04-119479 CINC: REVIEWED FOR SS 🖸 👘 FLS 🗹 🗛 ACS 🗹 DATE: 11/20/2020

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superplate mediuments of TBo 24, California Code of Paralleliuse and the bactors anadimentations are mered by mar. The isony dend before are docestable for incorporation into the overhaption of the project for which I am the individual makerained to be in general removable. evenue for the which I have been released responsiblely for this provide of the

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Expiration Data	, ,	· · · ,			`

BUILDI	NG DATA
24' × 40' 2000	BLI
OCCUPANCY	E-2 📛
TYPE OF CONSTRUCTION	V-N
WIND LOAD	TO MPH EXP "C"
FLOOR LIVE LOAD	50 PSP/
ROOF LIVE LOAD	20 PSF. REDUCED F
BUILDING AREA	100 30FT
STRUCTURAL DESIGN	
ALL ALL ALL ALL ALL	SHOT PIN ATTACHMENTS

"AS ALTERNATE FOR ALL SHOT FIN A "10 ST.SM.S AT THE SAME SPACING"

D

35:6

APPLICABLE CODES - NEW CONSTRUCTION

FIRE MARSHAL	ACCESS COMPLIANCE	STRUCTURAL SAFETY	/
		275 TH TT 1,55	

3" X 24" END WALL VENTS AS REQUIRED FOR ADJACENT BUILDING APPLICATIONS MIN 18" FROM BLDG CORNERS MIN 18" FROM MODLINES MIN 12" BLOCKING BETWEEN VENTS

PAD	FTG'S	AT AD.	J BL	DG

REVISIONS	ELECTRICAL	MECHANICAL	STRUCTURAL
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$\overline{\Delta}$			No 3802 Z =
Δ			UCENSE E> TI CO & TO TOO
Δ			

"MACHINE APPLIED 16d FASTENERS SHALL HAVE AN EMBEDMENT OF NOT LESS THAN 1 1/2" INTO SECOND MEMBER, AND SHALL BE NOT LESS THAN 3" IN OVERALL LENGTH"

المحكمة مرموس القاشات بالمسطعة المجاف

A server and a second state and a second second

THE ABOVE NAILS SHALL ALSO BE ACCEPTABLE FOR HAND NAILING, PROVIDED THE REQUIRED EMBEDMENT IS MAINTAINED

FOUNDATION (WOOD SILL)

24 × 40 - 50 PSF LL

(4) 16d BOX NAILS EACH SIDE OF SPLICE **KEY NOTES** MINIMUM EMBEDMENT 1 1/2" 2×6 TOP PLATE **IDENTIFICATION STAMP** DIV. OF THE STATE ARCHITEC , 2x8 BLOCKING APP. 04-119479 INC: REVIEWED FOR 2x12 SILL PLATE SS 🖸 DI FLS 🗹 I ST ACS 🗹 DATE: 11/20/2020 2"X6" SILL PLATE (END WALL) 1 IF ADDITIONAL PLATES ARE REQUIRED ABOVE THE 2x6 TOP PLATE SHOWN, USE $\langle 2 \rangle$ 6- 2XI2X30" LONG SILL PADS 2×4 PLATES $\langle 3 \rangle$ PIPE TO GRADE (TYP) 3" HIGH BY 6'-6" LONG VENT (4) 2X12 SILL PLATE (SIDE WALL) (5) 4-2X12X30" LONG SILL PADS (6) 6"XI2"XIO GA PLATES (7 · I" O PIPE EA END 68 EA PAD AT ADJ BLOG LINE 5/8" Ø X4" LAG $\langle \mathbf{q} \rangle$ (4-PER BLDG MIN) 6- 2XI2X30" LONG SILL PADS (10)NOTES 1 SILL RESTRAINT. ON AC PAVING AND ON SOIL I" OD GALVANIZED PIPE AT 10'-0" 12" PENETRATION BELOW SURFACE VERTICALLY DRILL SILL 1-1/4" MAX IDENTIFICATION STAMP PIPE MAY BE DRIVEN MAX OF 45" ANGLE OFFICE OF SECOLATION TO VERTICAL (18-1/2" LONG PIPE REQUIRED FOR PENETRATION AT 45 ANGLE) 104 10000 2 ON CONCRETE PAVING HILTI DS 82-PIO THRU OCT 2 2 1998 SILL PLATE END WALLS B" O.C SIDE WALLS 22 "O.C 3. WHERE SHIM STOCK IS REQUIRED FOR LEVELING USE 1/4", 1/2", OR 3/4" VENT CALCS. THICK PLYWOOD SAME WIDTH AS BLOCK PT 4. VERIFY DRAINAGE, TO PREVENT WATER BLD'G SIZE 24' X 40'= 960 Ø FROM PONDING BENEATH THE STRUCTURE, VENTILATION REQ'D 960+150= 64 Ø WITH DISTRICT ARCHITECT SITE PLANS 3" X 6'-6" VENT=16250 4 VENTS X 16250 = 650 5. ALL FOUNDATION MATERIAL SHALL BE 650 >640 HEM FIR GROUND CONTACT: LP-22 (CCA 40) ABOVE GROUND. LP-2 (CCA 25) 6 FOUNDATION DESIGNED FOR 1000 PSF SOIL BEARING PRESSURE PER ORS IR 23-6 SCALE 1/4"=1'-0' ABOVE GROUND: LP-2 JOB NO 2961 DRAWN BY DATE CHECKED BY DATE -CFOUNDATION PLAN

* REFER TO FLOOR JOIGT TABLE FOR CORRECT SPACING PER PROJECT.

ARCHITECT	ELECTRICAL	STRUCTURAL	MECHANICAL
			2.

FLOOR FRAMING

50 PSF FLR LL

DIST TABLE	KEY NOTES
"XI2GA STIFFENED FLOOR OPTION	$(\neg - 6 = 8 \times 7 + 7 \times 17 = 4 = 1 = 2 \times 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1$
24" oc	MIDSFAN OF FLOOR HDS TYFICA
IDENTIFICATION STAMP	2 5 59 HAND HOLES AT BOLT BM TO FM
P. 04-119479 INC: REVIEWED FOR	(3) SINGE PER METER CHANNEL (TYPICAL
TE: 11/20/2020	(4) FLYNOOD FLOOR SHEATHING AFA FS 1-83 1 1/8' THICK STURD-'-FLOOF N 48 OC SPAN RATING ATTACHED N."C N 1 3/4' SELF-TAPPING FLAT HEAD SCRENS AT 6' OC TO PERIMETER FRAME, AEROSNI TH AKN 1440 TS DRIVE PINS AT 6" OC SUPPORTED EDGES AND 6 OC FIFLD TO JOIST ITTE CAL
	5 6 3 8 X 2 1 2 X 1264 FLOOR PURLIN @ 48 0C
	6 TYPICAL BOLT HOLE LOCATION
	7 1/16 HOLF C MIDHBIGHT OF CTXTA FOR MATERIAL HANDLING
	I. FOR LTHAND & RHAND FRAME SEE SI.O
PLAN	Eventification stands The contraction stands The contraction stands General of the stand
2961	C MODITION NO DO NANT CHICOITION DAT CITUTION CAT
FLOOR FR	RAMING FLAN S1.0

INCREMENT# DSA File No.:
Date Submitted:
Revised.
lick a plus sign (+) before any category or subcategory to reveal additional spections. A shaded box indicates a test or special inspection that may on the scope of the construction and other issues. A shaded box can bur selection of that test. Note: A minus (-) on a category or subcate nat it can be collapsed. However, any selections you may have made whe "COMPILE" button to show only the tests and inspections finally selection on use of this form, see DSA-103.INSTR.
C) unless otherwise noted.
DE REFERENCE AND NOTES
2 & 26.13
e 3.1.3 & 1MS 602-13/AGI 530.1-13/ASCE 6-13 Table 5
-10, AISC 341-10, AISC 358-10, AISI S100-07/S2-10 FOR STRUCTURAL PURPOSES
3.1*), Table 1705A.2.1 Item 3a-3c; AISI S100-07/S2-10 Section A2.1 & A2.2, tion A3, AISI S220-11 Section A4. * By special inspector or qualified technicia
-site. 03.1 ⁺).
a to apld formad staal light frame construction, exact for two access (1705A 2.4)
a to cold-formed steel light-frame construction, except for trusses (1/05A.2.4) able 1705A.2.1 Items 4 & 5; DSA IR 17-3, AWS D1.1 and AWS D1.8 for stru
11.2 for Aluminum, AWS D1.3 for cold-formed steel, AWS D1.4 for reinforcing lix for exemptions.)
.2.1 Item 5a1-4. Per AISC 360-10 (and AISC 341-10 as applicable). DSA IR
able 17054.2.4-Item 5a.5 & 5a.6. Per AISC 360-10 (and AISC 341-10 as app
er-AISC 360-10 (and AISC 341-10 as applicable). AWS D1.1 & D1.3. DSA IR
erify carbon equivalent reported on mill certificates. AWS D1.4, DSA IR 17-3.
able 1705A:3 item 2, and Table 1705A.2.1 item 50, Housa 8, AVIS D1.4. D
pecial inspection is to be performed by a registered geotechnical engineer or
test or inspection is to be performent by a testing laboratory accepted in the D
id Acceptance (LEA) Program. See section 4-335, 2013 CCR Title 24, Part 1.
ecial inspection is to be performed by a special inspector
IDENTIFICATION STAMP
DIV OF THE STATE ARCHITECT APP. #
AC N/A F/LS N/A SS
d General Note #43 on G-002

"CONSTRUCTION OF" AND "STOCKPILE OF" EXAMPLE DSA 103 FORM (DSA 103 FORM NOT REQUIRED FOR RELOCATION OF CERTIFIED RAMP & LANDING).

THE EXAMPLE FORM DSA-103 SHOWN ON THIS SHEET IS FOR ILLUSTRATION PURPOSES ONLY TO ASSIST IN THE COMPLETION OF FUTURE PROJECT-SPECIFIC FORM DSA-103'S. A FORM DSA-103 IS TO BE COMPLETED FOR EACH APPLICATION THAT THIS PC IS BEING INCORPORATED INTO AND THE EXAMPLE FORM DSA-103 IS TO BE CROSSED OUT ON THIS DRAWING.

IDENTIFICATION STAM DIV. OF THE STATE ARCHITEC APP. 04-119479 INC: REVIEWED FOR SS 🗹 🛛 FLS 🗹 HESTACS 🗹 DATE: 11/20/2020

TMP SERVICES

2929 KANSAS AVE. RIVERSIDE, CA 92507 (951) 213 - 3900FAX (951) 213-3997

 $PC \quad 04 - 116740$ ACCESSIBLE RAMPS/ LANDINGS/STAIRS

STATE OF CALIFORNIA -2015 |BC/2016 CBC

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SHEETS

IP DSA RAMP & LANDING STEEL SHEE

	NOTES:	REV	ISIONS BY
	2016 CALIFORNIA BUILDING CODE (CBC) DESIGN LOADS:		
	LIVE LOAD: 100 PSF WIND LOAD: SEE SHEET 1 SEISMIC: SEE SHEET 1		
	HANDRAIL & GUARD RAIL LOADS: 50#/FT		
/2" T.S.	200# POINT LOAD MATERIAL SPECIFICATIONS:		
E & BOTTOM	STEEL: ALL TUBE STEEL ASTM A-1008 CS TYPE A OR B ($Fy = 40$ KS1) ALL SHEET, ANGLES, PLATE ETC. TO BE A1011SS GRADE 40		
	ALL STEEL TO BE COATED WITH A RUST INHIBITIVE COATING BOLTS: ASTM A307 COMMON BOLTS HOT DIPPED GALVANIZED W/ STAINLESS STEEL WASHERS BLYWOOD OPTION APA RATED STRUCT I EXTERIOR PLYWOOD		
	WELDS: ALL WELDING SHALL CONFORM TO "AMERICAN WELDING SOCIETY D-1.3-2008 FOR SHEET STEEL.		
	ELECTRODES SHALL BE E70XX. GENERAL NOTES:		
	1) RAMPS HAVING SLOPES STEEPER THAN 1 VERTICAL TO 20 HORIZONTAL SHALL HAVE LANDINGS AT TOP AND BOTTOM AND		NOITON
	30" OF RISE, PER CBC 11B-405.7. 2) LOCATION OF LANDINGS.	JMEN	STRUG
	LANDINGS SHALL BE PROVIDED AT TOP AND BOTTOM OF EACH RAMP. INTERMEDIATE LANDINGS SHALL BE PROVIDED AT INTERVALS NOT	DOCI	ECT
	EXCEEDING 30 INCHES OF VERTICAL RISE AND AT EACH CHANGE OF DIRECTION . LANDINGS ARE NOT CONSIDERED IN DETERMINING THE MAXIMUM HORIZONTAL DISTANCE OF EACH RAMP.	PC)	PROJ PROJ PROJ
	NOTE: EXAMPLES OF RAMP DIMENSIONS ARE:	CK	ATE A ON F RED
EEVE (4X)	SLOPE MAX. RISE (INCHES) MAX. HORIZONTAL PROJECTION 1:12 30 30'-0" 1:16 30 40'-0"	CHE	EPARA LICATI EQUIF
1/2 I.S.	1:20 30 50'-0" 1:15 30 37'-6"	PRE-	COUL A SE APPL IS RI
	2. SIZE OF TOP LANDINGS. TOP LANDINGS SHALL NOT BE LESS THAN 60 INCHES WIDE AND SHALL HAVE A LENGTH OF NOT LESS THAN 60 INCHES IN THE DIRECTION OF RAMP		
	RUN, PER CBC 11B-405.7.2 AND .3. 3) DOORS IN ANY POSITION SHALL NOT REDUCE THE MINIMUM		
	DIMENSION OF THE LANDING TO LESS THAN 42" AND SHALL NOT REDUCE THE REQUIRED WIDTH BY MORE THAN 3" WHEN FULLY	IDEN DIV. OF	TIFICATION STAMP
	OPENED, CBC 11B-405.7.5. 4) RAMPS SHALL BE CONSTRUCTED AS REQUIRED FOR STAIRWAYS.	04	116740
ISION	5) THE SURFACE OF RAMPS SHALL BE ROUGHED OR SHALL BE OF SLIP- RESISTANT MATERIAL, TYP. FOR LANDINGS & STAIRS.	ACS 7	FLS SS
	6) RAMPS REQUIREMENTS SHALL BE PER CBC 11B-405.		1 6 2018
	7) RAMPS AND STAIRWATS USED AS EXIL SHALL CONFORM TO CBC SEC. 1009 SEC. 1010, CHAPTER 11B AND 11B-405.5. 8) HANDRAILS AND CHAPDRAILS SHALL CONFORM TO CBC 11B-405.8		
	(RAMP), AND 11B-504 (STAIRS).		
	9) RAMPS SHALL CONFORM TO CBC 11B-405.		
	10) STRIKE EDGE EXTENSION THE WIDTH OF THE LANDING SHALL EXTEND 24" PAST THE STRIKE EDGE OF ANY DOOR OR GATE FOR EXTERIOR RAMPS AND 18" PAST	S	S ~8~
	THE STRIKE EDGE OF ANT DOOR ON GATE FOR EXTERIOR NAMES AND TO FAST THE STRIKE EDGE FOR INTERIOR RAMPS.	NШ	СЕ АVЕ. 250 2907 3997
	SHALL BE AT LEAST THE SAME AS REQUIRED FOR RAMPS, CBC 11B-405.7.4.		213 13- 13-
	12) THE WIDTH OF RAMPS SHALL BE AS REQUIRED PER STAIRWAYS AND EXITS, CBC 11B-405.5.	Į [∢] Ž	SEF (ANS (E, C 951) 51)2
	17) CLODE RANDE AND LANDINGS AS REQUIRED TO PREVENT ACCUMULATION		29 K RSID E: (;
. DETAIL	OF WATER ON WALKING SURFACES.		MF 29: FAX FAX
	14) ALL WORK SHALL CONFORM TO TITLE 24 CALIFORNIA CODE OF REGULATIONS (CCR).		┝─
	15) CHANGES TO APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED		
	BY THE DIVISION OF THE STATE ARCHITECT AS REQUIRED BY SECTION 4-338, PART 1 TITLE 24, CCR.		
	A PROJECT INSPECTION EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR		
	ARE DEFINED IN SECTION 4.342 PART 1 TITLE 24 CCR.		
	IN PLANT: SHOP WELDING INSPECTION AND MATERIAL VERIFICATION SITE CONSTRUCTION: CLASS 4		С Ш
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