TOWN OF YUCCA VALLEY

GILLIS + PANICHAPAN ARCHITECTS, INC.

Jack Panichapan, AIA PRINCIPAL-IN-CHARGE

BID SET - 12/08/2021

SENIOR CENTER -KITCHEN EQUIPMENT UPGRADES

PROJECT NO. 4107

57088 TWENTYNINE PALMS HIGHWAY YUCCA VALLEY, CA 92284

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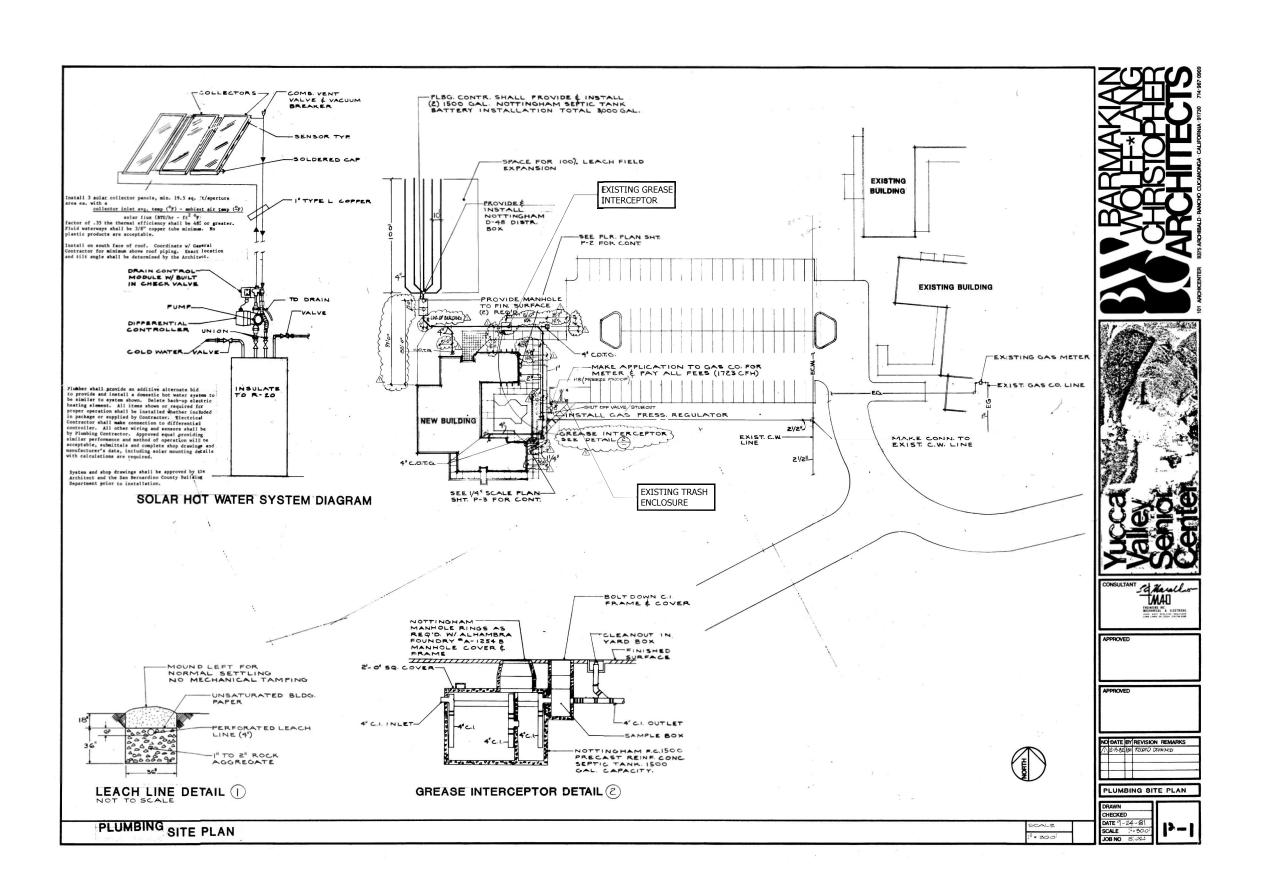
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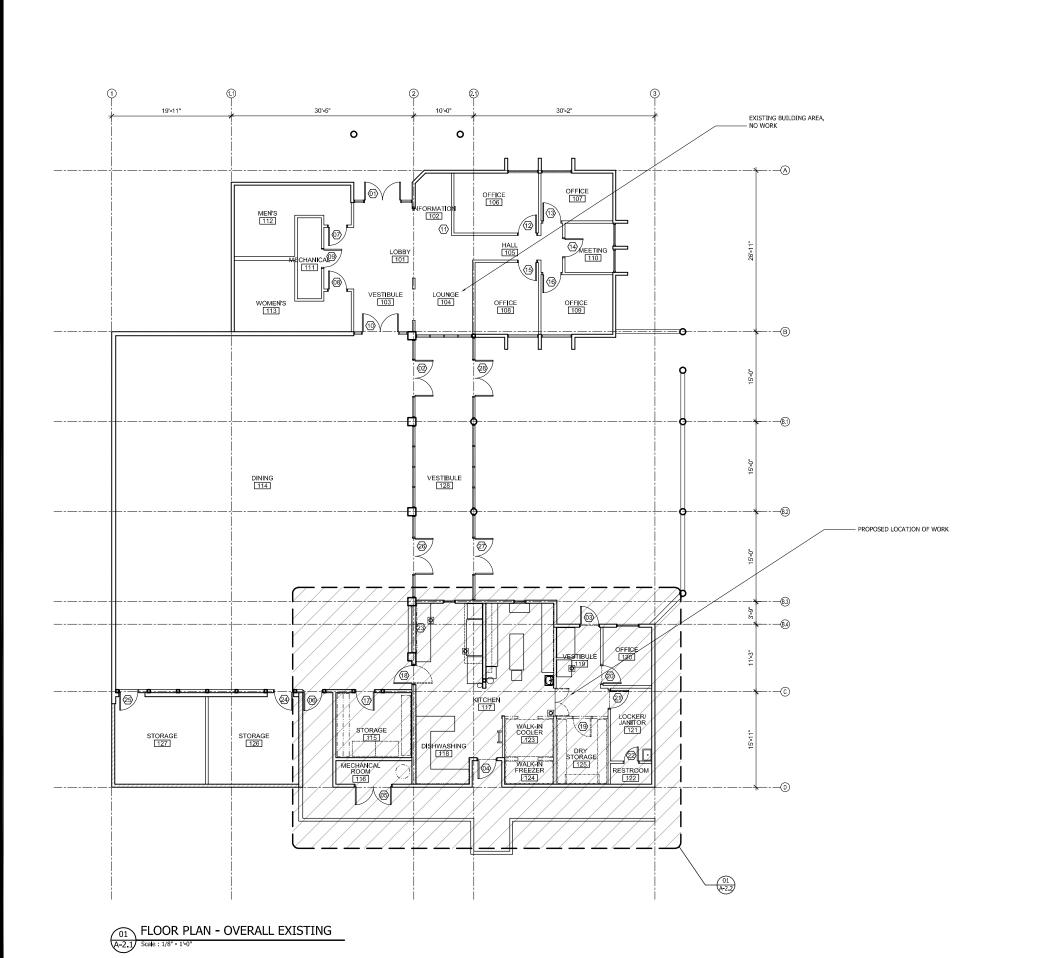
TOWN OF YUCCA VALLEY
Senior Center - Kitchen Equipment Upgrades

CV-1

GENERAL NOTES GENERAL NOTES (CON'T) ABBREVIATIONS PROJECT DIRECTORY PROJECT DESCRIPTION ARCHITECT CLIENT/OWNER: THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF THE TOWN OF YUCCA VALLEY AND 24. THE CONTRACTOR SHALL SCHEDULE HIS WORK TO CONTINUOUSLY MAINTAIN SENIOR ANCHOR BOLT HEATING VENTILATION AIR CONDITION HVAC GENERAL DESCRIPTION OF SCOPE OF WORK: ARE NOT TO BE USED FOR OTHER PROJECTS WITHOUT THE PERMISSION OF THE ARCHITECT CENTER OPERATIONS AND SHALL NOT UNDULY RESTRICT ACCESS OR CIRCULATION. ASPHALTIC CONCRETE HIGH POINT GILLIS + PANICHAPAN ARCHITECT, INC. OWN OF YUCCA VALLEY Š. Š ACOUST ACOUSTICAL INSIDE DIAMETER 58928 BUSINESS CENTER DRIVE YUCCA VALLEY, CA 92284 PROVIDE AND COORDINATE THE FOLLOWING, BUT NOT LIMITED TO, SCOPE OF WORK: 2900 BRISTOL ST., STE G-205 THESE NOTES APPLY TO ALL DRAWINGS, UNLESS NOTED OTHERWISE, ANY OMISSIONS OR THE CONTRACTOR SHALL PROVIDE ADEQUATE SANITARY CONVENIENCES, WATER AND INTERIOR IMPROVEMENTS AND MINOR EXTERIOR IMPROVEMENTS. SELECTIVE DEMOLITION OF FINISHES, NON-BEARING WALLS, CONCRETE TOPPING SLAB, AD ILISTABLE CONGS THE DATE THE USE OF ALL PRESONS AT THE CONSTRUCTION SITE OF THE WORK. SUCH CONVENIENCES SHALL INCLUDE CHEMICAL TOLLETS OR WATER CLOSETS LOCATED AT A PPROPRIATE LOCATIONS. POTABLE WATER AND SHADE SHALL ASD BE PROVIDED. CONFLICTS BETWEEN THE VARIOUS FLEMENTS OF THE DRAWINGS AND/OR GENERAL NOTES COSTA MESA, CA 92626 TO BE BROUGHT TO THE ATTENTION OF THE OWNER BEFORE PROCEEDING WITH ANY P: 760-369-6579 AND CONCRETE TRENCHING. STRUCTURAL WORK INCLUDING NEW REINFORCED CONCRETE SLAB AT NEW WASTE LINE F: 714-668-4265 ANODIZED LONG (LENGTH) CONTACT: ARMANDO BALDIZZONE, P.E. AT COMPLETION OF THE WORK ALL SUCH CONVENIENCES SHALL BE REMOVED AND THE LAM LAV LBL LH LW MAS MAX MB JACK PANICHAPAN, AIA, LEED AP ACCESS PANEL LAMINATED TRENCHING. ALL DRAWINGS AND SPECIFICATIONS ARE CONSIDERED TO BE PART OF THE CONTRACT baldizzone@yucca-valley.org SITE LEFT IN SANITARY CONDITION. ARCHITECTURAL WORK INCLUDING, NEW FINISHES, ROOF MODIFICATIONS AND NEW FIRE ARCHITECT (URAL) LAVATORY DOCUMENTS. THE CONTRACT DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED E: jack@gparchitects.org RATED OVERHEAD COILING DOOR. TEMPORARY REMOVAL AND RE-INSTALLATION OF KITCHEN FOLITPMENT STRUCTURE, UNLESS OTHERWISE SHOWN. THEY DO NOT INDICATE METHOD OF CONSTRUCTION. CONTRACTOR IS TO SUPERVISE AND DIRECT THE WORK UNDER HIS CONTRACT AND IS SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, 6. THE CONTRACTOR SHALL FURNISH POTABLE WATER FOR A DRINKING SOURCE OTHER LEET HAND THAN THE EXISTING PLANT UTILITY WATER SUPPLY, WHICH SHALL MEET ALL THE REQUIREMENTS OF THE TOWN AND STATE HEALTH DEPARTMENTS. CONTRACTOR SHALL STRUCTURAL ENGINEER: INSTALLATION OF OWNER PROVIDED NEW EQUIPMENT: WALK-IN FREEZER AND WALK-IN MEP ENGINEER: REFRIGERATOR NEW/MODIFIED MECHANICAL EQUIPMENT, INCLUDING NEW EXHAUST FAN. TECHNIQUES, SEQUENCES, AND PROCEDURES. OBSERVATION VISITS TO THE SITE BY FIELD DALE CHRISTIAN STRUCTURAL ENGINEER INC. ALSO SUPPLY AMPLE SIGNS THROUGHOUT THE WORK SITE AREA ADVISING HIS DALE CHRISTIAN STRUCTURAL ENGIN 1744 WEST KATELLA AVE., SUITE 107 DRANGE, CA 92867 BLK(G) BLOCKING MAXIMUM REPRESENTATIVES OF THE OWNER AND / OR HIS CONSULTANTS ARE NOT TO INCLUDE EMPLOYEES THAT THE PLANT WATER IS NOT POTABLE. HOC ENGINEEDS MACHINE BOLT NEW/MODIFIED ELECTRICAL SYSTEMS INSPECTIONS OF REQUIRED FOR SAME, WHICH ARE THE SOLE RESPONSIBILITY OF THE MECH MED MET MFR MISC MO MTL NAT 675 N. EUCLID STREET, SUITE 518 10. NEW PLUMBING FLOOR SINKS, NEW HOT WATER HEATER, NEW UNDER SLAB WASTE BEARING MECHANICAL CONTRACTOR, ANY SUPPORT SERVICES PERFORMED BY THE OWNER AND / OR HIS 7. THE CONTRACTOR SHALL PROVIDE AT HIS OWN COST ALL ELECTRICAL POWER BOTH SIDES ANAHEIM, CA 92801 SYSTEM, AND NEW WASTELLINE CONNECTIONS AT EXISTING KITCHEN FOLIDMENT CONSULTANTS DURING CONSTRUCTION ARE TO BE DISTINGUISHED FROM CONTINUOUS AND DETAILED INSPECTION SERVICES WHICH ARE FURNISHED BY OTHERS. THESE SUPPORT SERVICES PERFORMED BY THE OWNER AND / OR HIS CONSULTANTS, WHETHER OF MATERIAL NECESSARY FOR CONSTRUCTION, TESTING, GENERAL AND SECURITY LIGHTING AND ALL OTHER PURPOSES, WHETHER SUPPLIED THROUGH TEMPORARY OR PERMANENT BULLETIN BUILT UP ROOFING · 714-276-0658 P: 714-290-0718 ADDITIONAL WORK AS IDENTIFIES IN THE CONSTRUCTION DOCUMENTS AND AS REQUIRED MANUFACTURER RICHARD SUZUKI HITEN SHETH CATCH BASIN OR WORK, AND WHETHER PERFORMED PRIOR TO, DURING OR AFTER COMPLETION OF MASONRY OPENING 28.THE CONTRACTOR SHALL NOTE THAT THERE MAY BE OTHER PROJECTS UNDER CONSTRUCTION ARE PERFORMED SOLELY FOR THE PURPOSE OF ASSISTING IN QUALITY CFC CONTRACTOR FURBISHED MATERALS CONTROL AND IN ACHIEVING GENERAL CONFORMANCE WITH DESIGN CONCEPT AND CONTRACT CONSTRUCTION AT THIS SITE AND/OR NEARBY SITE, CONTRACTOR SHALL COORDINATE CONTRACTOR INSTALLED NATURAL DRAWINGS AND SPECIFICATIONS AND THEREFORE, THEY DO NOT GUARANTEE CONTRACTORS WITH THE OTHER CONTRACTORS PRESENT ON THE SITE DURING THE COURSE OF NOT IN CONTRACT **DEMOLITION NOTES** APPLICABLE CODES CENTERLINE . CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH ALL EXISTING FACILITIES TO BE O.C. OD OFCI ON CENTER(S) CEILING DEMOLISHED/ REMOVED, TEMPORARILY REMOVED AND RE-INSTALLED, RELOCATED OR REMAIN CONTRACTOR SHALL USE A 2-SACK CEMENT/SAND SLURRY FOR BACKFILL. CLEARANCE OUTSIDE DIAMETER **1 5** 83 INTACT AND HOW THE NEW CONSTRUCTION RELATES TO THE EXISTING SITE CONDITIONS. COLUMN OWNER FURBISHED CONTRACTOR THE CONTRACTOR SHALL VERIEY ALL EXISTING CONDITIONS AND IMPROVEMENTS PRIOR . CALIFORNIA BUILDING CODE 2019 OURRIGATION LINES ARE NOT MARKED AND SHALL BE THE RESPONSIBILITY OF THE CONCRETE INSTALLED THE CONTRACTOR SHALL EXAMINE THE JOB SITE. CONFIRM ALL UTILITY LOCATIONS, SIZES, PRESSURES, ETC.. AND PROTECT, RELOCATE, CONNECT OR REMOVE ALL NECESSARY FOR TOTAL PROJECT COMPLETION. VERIFY ALL DIMENSIONS AND SATISFY HIMSELF AS TO THE CONTRACTOR TO CORRECT AT NO COST TO THE TOWN CONSTRUCTION CONTINOUS OR CONTINUE OFOI OWNER FURBISHED OWNER ALL DEMOLITION SHALL BE CARRIED ON IN SUCH A WAY AS NOT TO DAMAGE EXISTING . CALIFORNIA ELECTRICAL CODE 2019 ELEMENTS THAT ARE TO REMAIN IN PLACE. ELECTRICAL CONDUIT RUNS PARALLEL TO PROJECT AND CROSSES VICINITY 3. ALL CONSTRUCTION DEBRIS SHALL BE HAULED OFF SITE FOR LEGAL DUMPING BY THE CALIFORNIA MECHANICAL CODE 2019 OPNG OPP CONTR CONTRACTOR OPENING CONTRACTOR SHALL IDENTIFY LATERALS IN PLACE AND PROVIDE THE INFORMATION TO EXISTING CONDITIONS UNDER WHICH HE WILL BE OBLIGATED TO OPERATE. NOTIFY THE DEEP (DEPTH) OPPOSITE CONTRACTOR. DISPOSAL OF WASTE MATERIALS AND DEBRIS OFF-SITE SHALL BE IN OWNER OF ANY AND ALL DISCREPANCIES PRIOR TO COMMENCING WORK. THE ENGINEER LOCATING PRIOR TO STARTING WORK. 2019 . CALIFORNIA PLUMBING CODE DRINKING FOUNTAIN OH PLAS ACCORDANCE WITH LOCAL STATE AND FEDERAL LAWS. PLASTER PLASTIC ALL DEBRIS SHALL BE REMOVED FROM CONSTRUCTION AREA ON A DAILY BASIS, UNLESS ALL CONTRACTORS AND SURCONTRACTORS SHALL FAMILITARIZE THEMSELVES WITH THE POLINDS PER SOLIARE FOOT CONTENTS OF ALL THE DRAWING AND ALL SPECIFICATION SECTIONS, REGARDLESS OF THEIR LICENSE CLASSIFICATION. NO REQUEST FOR CHANGE ORDER WILL BE CONSIDERED BASED OUNDS PER SQUARE INCH . HOURS OF CONSTRUCTION SHALL BE PREDETERMINED BETWEEN THE TOWN AND THE PROJECT ADDRESS POLYVINYL CONTRACTOR. UPON INFORMATION FOUND IN ONE AREA OF THE PLANS OR SPECIFICATIONS, AND NOT THE 6. THE TOWN AND THE CONTRACTOR SHALL HAVE A WALK-THROUGH INSPECTION TO DOOR R RAD RD REF OTHER. INFORMATION FOUND IN ONE PART OF THE PLANS SHALL BE DEEMED TO BE IN ALL DOWNSPOUT RADIUS ASSESSES THE CONDITION OF ALL NEARBY EQUIPMENT AND STRUCTURES PRIOR TO START OF DEMOLITION, THE CONTRACTOR SHALL PROVIDE A PRE-CONSTRUCTION, HIGH DETAIL ROOF DRAIN RESOLUTION VIDEO TO DOCUMENT PRESENT CONDITIONS PRIOR TO THE START OF CODE (GENERAL) ALL SYMBOLS AND ABBREVIATIONS USED ON THE DRAWINGS ARE CONSIDERED TO BE CONSTRUCTION STANDARDS. IF CLARIFICATION IS REQUIRED THE CONTRACTOR SHALL 7088 TWENTYNINE PALMS HIGHWAY REFL REINF REQD REV RH CONSTRUCTION BEGINNING. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UCCA VALLEY, CA 92284 NOTIFY THE ENGINEER PRIOR TO PROCEEDING WITH THE BID WORK. ELEVATION REQUIRED UTILITIES, WHETHER SHOWN HEREON OR NOT, AND TO PROTECT THEM FROM DAMAGE IT IS THE RESPONSIBILITY OF ANYONE SUPPLYING LABOR OR MATERIALS OR BOTH TO ELECT ELECTRIC(AL) REVISION DAMAGED EQUIPMENT, UTILITIES, PIPING, AND STRUCTURES SHALL BE REPAIRED AND BID DO NOT SCALE DRAWINGS, PRINTED DIMENSIONS, HAVE PRECEDENCE OVER SCALED BRING TO THE ATTENTION OF THE OWNER AND PROJECT ARCHITECT AN RESTORED TO ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE, IN A MANNER **EMERGENCY** RIGHT HAND DISCREPANCIES OR CONFLICTS BETWEEN THE CODE REQUIREMENTS AND THE INGS AND LARGE SCALE OVER SMALL. DIMENSIONS SHOWN ARE TO THE FACE OF WALL RESTORED TO ORDIGINAL COURT LION AT THE CONTRACTOR'S EXPENSE, IN A MANNER APPROVED BY THE TOWN, AND AS STATED IN THE SPECIFICATIONS. DO NOT USE EXPLOSIVES AND/OR REMOVAL OR DEMOLITION METHODS WHICH MAY CONSTITUTE A FIRE OR SAFETY HAZARD. FRAMING (CMU, STUD) UNLESS OTHERWISE NOTED DRAWINGS BEFORE PROCEEDING WITH WORK. ELECTRICAL WATER COOLER ROUGH OPENING CONTRACTOR SHALL COMPLY FULLY WITH THE LATEST EDITION OF THE LOCAL SOLID CORE PROVIDE FOR SAFE PASSAGE OF PERSONS AROUND THE DEMOLITION WORK. PROVIDE BUILDING CODE, ALL LAWS AND ORDINANCES PERTINENT TO ALL WORK OF THIS PROJECT. IN CASE OF ANY CONFLICT WHEREIN THE METHOD OR STANDARDS OF **EXISTING** JOB SITE PRIOR TO BID SUBMITTAL, START OF SHOP DRAWINGS, START OF CONSTRUCTION, EXPOSED SAFE TEMPORARY ACCESS FOR OCCUPANTS, ERECT TEMPORARY COVERED SAFETY AND/OR FABRICATION OF MATERIALS, IF DISCREPANCIES ARE ENCOUNTERED, OR OWNER PROVIDED AND EXTERIOR SOUARE FOOT (FEET) FACILITIES AS REQUIRED BY OSHA AND REGULATIONS OF THE JURISDICTIONAL CONDITIONS DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS, THE OWNER SHALL BE INSTALLATION OR THE MATERIALS SPECIFIED DO NOT EQUAL OR EXCEED THE FLOOR DRAWN REQUIREMENTS OF THE LAWS OR ORDINANCES. THE LAWS OR ORDINANCES SHALL CONTRACTOR INSTALLED EQUIPMENT FIRE EXTINGUISHER CABINET FINISH FLOOR ELEVATION 10. CONTRACTOR SHALL PROVIDE FALLING DEBRIS PROTECTION AROUND WORK. (INTERIOR/EXTERIOR AS NEEDED) SPECIFICATIONS 0. ANYONE SUPPLYING LABOR AND MATERIALS TO THE PROJECT IS TO CAREFULLY EXAMINE ALL SUBSURFACES TO RECEIVE WORK. ANY CONDITIONS DETRIMENTAL TO WORK TO BE REPORTED ALL WORK SHALL COMPLY WITH TITLE 24 OF THE CODE OF REGULATIONS AND THE FIRE HOSE CABINET ALL WORK SHALL CONFEL WITH THE 24 OF THE CODE OF RESOLUTIONS AND THE UNIFORM BUILDING CODE LATEST EDITION (INDICATED ON THESE SHEETS WITH C AMENDMENTS, AND ALL OTHER LOCAL OR STATE AGENCIES HAVING JURISDICTION SYMMETRICAL FINISH(FD) IN WRITING TO OWNER & PROJECT ARCHITECT PRIOR TO BEGINNING WORK. THE OWNER WILL PROVIDE THE FOLLOWING ITEMS/SYSTEM FOR CONTRACTOR TO INSTAL FLOOR JOIST TREAD, TOP COMMENCEMENT OF WORK IMPLIES ACCEPTANCE OF SUBSURFACES. WALK-IN FREEZER AND MECHANICAL SYSTEM (NOT ASSEMBLED) TELEPHONE OVER THIS PROJECT) AND ICBO REGULATIONS. WALK-IN COOLER AND MECHANICAL SYSTEM (NOT ASSEMBLED) FACE OF CONCRETE PROVIDE OPENINGS AND SUPPORTS FOR MECHANICAL EQUIPMENT, DUCTS, PIPING, VENTS, ETC, AS REQUIRED. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ADDITION OPENINGS AND EQUIPMENT NOT SHOWN ON STRUCTURAL DRAWINGS. ALL SUSPENDED EQUIPMENT AND MATERIALS TO BE INSTALLED WITH APPROVED LATERAL BRACING. VERIFY TONGLE & GROOVE THE CONTRACTOR SHALL INSTALL THE EQUIPMENT INCLUDING, BUT NOT LIMITED TO THE TOP OF PARAPET FACE OF MASONRY FOLLOWING WORK: SURVEY THE EXISTING WALK-IN EQUIPMENT (WITH OWNER) THAT WILL BE STORED FACE OF STUDS TOS TS TOP OF SLAB 2.1. TOP OF STEEL SIZES AND LOCATIONS OF ALL MECHANICAL EQUIPMENT BEFORE CONSTRUCTION OF ANY ON-SITE (200 FEET FROM PROJECT BUILDING) AND ACKNOWLEDGE THE CONDITION O GAUGE TOP OF WALL BASES OR PADS TO SUPPORT SUCH EQUIPMENT. VERIFY ALL PLUMBING AND EQUIPMENT SIZES EQUIPMENT (WITH VISUAL INSPECTION) AND PROVED A WRITTEN DOCUMENT STATING GALVANIZED IRON TYPICAL UNLESS NOTED OTHERWISE OBSERVED CONDITION OF BOXED EQUIPMENT. U.N.O UR VERT GLASS, GLAZING REVIEW WALK-IN EQUIPMENT/SYSTEM'S ELECTRICAL AND PLUMBING REQUIREMENTS AND COORDINATE AS REQUIRED WITH PROPOSED WORK SHOWN ON DRAWINGS. WATERPROOFING COMMENTS GLUE LAMINATED BEAT 2. NOTIFY THE OWNER IF ANY CONDITIONS EXIST WHICH WILL PREVENT THE COMPLETION OF VERTICA **GYPSUM** WORK IN A PROFESSIONAL AND SATISFACTORY MANNER AS WELL AS ANY AND ALL SURVEY THE EXISTING ROOMS/AREAS TO RECEIVE THE EQUIPMENT HIGH (HEIGHT) VG VIN W WC VERTICAL GRAIN ACCESSIBILITY ADDITIONAL WORK TO BE PERFORMED BEFORE STARTING WORK ALL NOTIFICATIONS SHALL BE SURVEY THE EXISTING ROOFTOP LAYOUT (EXISTING AND PROPOSED) THERE IS A HEIGHTENED CONCERN IN THE CONSTRUCTION INDUSTRY ABOUT THE HOSE BIBB PROVIDE AND INSTALL ALL POOF PENETRATIONS, ELECTRICAL WIRING/CONDUIT HOLLOW CORE HEADER NTRUSION OF WATER INTO BUILDINGS AND THE RESULTING MOLD THAT DEVELOPS WEST, WIDTH, WIDE PROVIDE AND INTELL RILL MOOF PENETRATIONS, LECE TROOL WINNINGCONDOIT, PULMBING (CONDENSATE DRAIN SYSTEM), ETC. FOR A COMPLETE OPERATING SYSTEM INSTALL WALK-IN FREEZER AND WALK-IN COOLER EQUIPMENT PER MANUFACTURER'S INTRODUCTION OF WATER INTO BOLIZINGS AND THE RESULTING PHILD THAT DEVELOPS SUBSEQUENTLY. THE OWNER HAS MADE A DILIGENT ATTEMPT TO SPECIFICALLY DETAIL THE PROJECT TO STOP THIS WATER FROM ENTERING THROUGH PENETRATIONS INTO THE BUILDING. HOWEVER, ALL OF THESE AVENUES WHICH ALLOW THE INTRUSION OF WATER CLOSET AS REQUESTED BY YUCCA VALLEY, THE SITE AND BUILDING ACCESSIBILITY (PATH OF TRAVEL, ETC.) HAS NOT BEEN INCLUDED OR ASSESSED IN THE SCOPE OF WORK (KITCHEN EQUIPMENT REPLACEMENT). ALL EXISTING ACCESSIBILITY CONDITIONS OUTSIDE OF THE SPECIFIC SCOPE OF WORK IS TO REMAIN AS-15. 3. ALL CONTRACTORS AND SUB-CONTRACTORS SHALL OBTAIN A CITY BUSINESS LICENSE RECOMMENDATIONS, CURRENT CODE. CONNECT AND RUN EQUIPMENT HOLLOW METAL WATER REPELLENT 27 TEST ALL EQUIPMENT AND PROVIDE A STATEMENT/REPORT OF EQUIPMENT FUNCTION NATER INTO THE BUILDING MAY NOT HAVE BEEN OBSERVED DURING DESIGN. DURING EXISTING IMPROVEMENTS, WHICH ARE TO REMAIN IN PLACE, FROM DAMAGE. ANY THE COURSE OF YOUR CONSTRUCTION OF THE BUILDING, THE OWNER ASKS TO BE IMPROVEMENTS DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE EXPEDITIOUSLY THE COURSE OF YOUR CONSTRUCTION OF THE BUILDING, THE OWNER ASKS TO BE ADVISED IMMEDIATELY OF ANY QUESTIONABLE CONDITIONS THAT MAY OCCUR WITH RESPECT TO THE PERCEIVED WATER-TIGHTNESS OF THE STRUCTURE. ONCE A BUILDING SUFFERS A BREACH, AND MOLD DEVELOPS, A BUILDING CAN BECOME UNTENBLE, AND CORRECTIONS COSTLY. WE ASK THAT THE CONSTRUCTION TEAM BE DILICENT IN THEIR CONSTRUCTION EFFORTS TO HELP INSURE THAT, THE BUILDING THAT WE TURN OVER REPAIRED OR RECONSTRUCTED TO THE ENGINEERS SATISFACTION AT THE CONTRACTOR'S SYMBOLS LEGEND EXPENSE WITHOUT ADDITIONAL COMPENSATION. 5. LOCATION OF EXISTING PIPING AND EQUIPMENT IS BASED ON RECORD DRAWINGS AND FIELD INFORMATION. CONTRACTOR SHALL FIELD LOCATE ALL EXISTING PIPING AND EQUIPMENT INTERIOR ELEVATION RURRI E WALL TYPE MARK **GENERAL DEMOLITION NOTES** CONTRACTOR'S MEANS AND METHODS AS A TEAM, WILL BE AS WATERTIGHT AS WE CAN MAKE IT, YOU, THE CONTRACTOR, THAT CONFLICTS WITH CONSTRUCTION AND REMOVE AND REPLACE AS REQUIRED. AFTER WALL TYPE NUMBER WILL BE THE LAST HANDS ON THE PROJECT, AND WE ARE CERTAINLY AVAILABLE TO CONSTRUCTION IS COMPLETE, EXISTING PIPING SYSTEMS SHALL BE RETURNED TO THE SAME DISCUSS WITH YOU, YOUR CONSTRUCTABILITY IDEAS TO KEEP THIS PROJECT OR BETTER CONDITION THAN AS RECORDED BEFORE ALL FIELD RELOCATION OF EXISTING . THE CONTRACTOR IS RESPONSIBLE FOR MEANS AND METHODS TO PERFORM THE SCOPE O)4(x-x.x)02 S SHALL BE DECORDED ON RECORD DRAWINGS. IN AREAS WHERE GAS D INDICATES DIRECTION FOR THE CONTRACTOR TO CAREFULLY REMOVE THE ITEM WORK INDICATED/IMPLIED ON THE CONSTRUCTION DOCUMENTS. DOOR TYPE MARK FLEVATION NUMBER 2. MEANS AND METHODS SHALL BE DEFINED AS THE CONTRACTOR'S SELECTED CHOICE AND/OR SYSTEM FROM THE BUILDING AND DISPOSE OF OFF-SITE IN A WAY PERMITTED DOOR NUMBER SHEET NUMBER BY LOCAL AND STATE REGULATIONS. DESCRIBING TECHNIQUES AND TACTICS TO COMPLETE THE WORK REQUIRED FOR A Upgr SELECTIVE DEMOLITION TO SPECIFIC ITEMS AROUND MATERIALS TO REMAIN SHOULD FINISHED PROJECT. **⊘** CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT DAMAGE TO THE REMOVED WITH CARE AS TO NOT DAMAGE THE ADJACENT MATERIAL/ITEN THE CONTRACTOR SHALL PROVIDE THE APPROPRIATE MATERIALS. FOLIEMENT, TOOLS AND/OR SERVICES TO COMPLETE THE WORK SHOWN ON THE CONTRACT DOCUMENTS IN A MANNER THAT IS ACCEPTED AS "INDUSTRY STANDARDS" IN THE AREA OF PROPOSED EXISTING STRUCTURES OR OTHER EXISTING IMPROVEMENTS TO REMAIN. CONTRACTOR SHALL BUILDING SECTION BUBBLE VALLEY Equipment 1 WINDOW TYPE MARK ALSO PROVIDE ALL NECESSARY BRACING, SCAFFOLDING OR OTHER MEASURES NECESSARY FOR DEMOLITION WORK NEAR ITEMS IDENTIFIED AS HAVING ASBESTOS CONTAINING DRAWING NUMBER MATERIALS AND/OR LEAD BASED MATERIALS SHALL COMPLY WITH RECOMMENDATIONS NOTED IN REPORT AND PER RULES AND REGULATIONS PERTAINING TO HAZARDOUS 4. THE CONTRACTOR SHALL EMPLOY THE APPROPRIATE TECHNICIANS, SKILLED REMOVAL, ABANDONMENT OR TEMPORARY RELOCATION OF EXISTING PIPES OR UTILITIES NOTED IN REPORT AND PER ROLES AND RESOLUTIONS PERTAINING TO HAZARDOUS MATERIALS ABSTEMENT AND/OR ENCAPSULATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO STORE AND PROTECT ITEMS NOTED FOR TEMPORARY REMOVAL AND RE-INSTALLATION. COORDINATE WITH OWNER FOR WORKFORCE, TRADESMEN, AND MANAGEMENT TO COMPLETE THE WORK SHOWN ON THE (x-x.x) SHALL BE SCHEDULED WITH THE ENGINEER TO AVOID UNNECESSARY DISRUPTION OF PLANT CONTRACT DOCUMENTS IN A MANNER THAT IS ACCEPTED AS "INDUSTRY STANDARDS" IN CLEAN UP OPERATIONS. E AREA OF PROPOSED WORK. NTRACTORS AND SUBCONTRACTORS SHALL BE LICENSED FOR THE TYPE OF WORK THEY KEYNOTE/GRIDLINE MARK SHEET NUMBER POTENTIAL LOCATIONS ON-SITE FOR TEMPORARY STORAGE. FLEVATIONS SHOWN ARE BASED LIPON THE AS-BUILT DRAWINGS. CONTRACTOR SHALL FIELD RUBBISH CONTAINERS WORKING AND/OR FUNCTIONING FOUIPMENT THAT WILL BE TEMPORARILY REMOVED. ARE PERFORMING, AND/OR AS OUTLINED IN THE GENERAL REQUIREMENTS. 6. IF THE CONTRACTOR REQUIRES A PROFESSIONAL ENGINEER FOR DETAILING OR ADJUST ELEVATIONS AS REQUIRED TO MAINTAIN DIMENSIONAL RELATIONSHIPS YUCCA '-- Kitchen AND RE-INSTALLED MAY REQUIRE VERIFICATION OF CONDITION PRIOR TO REMOVAL A. THE CONTRACTOR SHALL PROVIDE DUMPSTERS THAT ARE ADEQUATE SIZED FOR THE **DETAIL REFERENCE BUBBLE** EQUIPMENT DEMONSTRATION AFTER RE-INSTALLATION MAY BE REQUESTED BY THE OWNER. CONTRACTOR TO BE RESPONSIBLE FOR SAFELY DISCONNECTING POWER TO CALCULATIONS FOR TEMPORARY WORK (MEANS AND METHODS). IT WILL BE LINDER THE WASTER, DEBRIS AND RUBBISH FOR THE LIFE OF THE PROJECT. WORKING POINT CONTRACTOR'S SCOPE OF WORK AND INCLUDED IN THE CONSTRUCTION BID PRICE B. THE CONTRACTOR SHALL DISPOSE OF CONTAINER(S) CONTENTS WEEKLY OR AT DRAWING NUMBER 19. THE CONTRACTOR SHALL COMPLY WITH CAL-OSHA AND ALL OTHER LOCAL AGENCY EQUIPMENT AND/OR PROVIDING TEMPORARY EQUIPMENT SUPPORT DURING INTERIM REQUIREMENTS 20.CONTRACTOR SHALL RESTORE ALL EXISTING PAVED AREAS, GUARDRAILS AND HANDRAILS DISTURBED DURING CONSTRUCTION INCLUDING INSTALLATION OF PIPELINES, DRAINS AND ELECTRICAL DUCTS TO ORIGINAL CONDITION. CURB AND GUTTER, AREA DRAINS, AND ALL SITE C VOLATILE WASTE AND RUBBISH SHALL NOT BE PLACED IN THE STANDARD RUBBISH CONTAINERS, BUT SHALL BE STORED IN SEPARATE CONTAINERS UNTIL LEGALL SHEET NUMBER TOWN OF Senior Center S CONTRACTOR SHALL SWEEP SITE(S) EACH DAY, CONTRACTOR PROPER RUMBLE PLATE DRAINAGE AFFECTED BY THE WORK SHALL BE RETURNED TO THE SAME OR BETTER CONSTRUCTION COORDINATION OCCUPANCY DURING CONSTRUCTION CONDITION AFTER WORK IS COMPLETED. STATION INDICATED BY BMP'S (IF REQUIRED). CONTRACTOR SHALL PROVIDE TEMPORARY DIVIDERS TO CONTAIN CONSTRUCTION DUST FROM ENTERING AREAS ADJACENT TO KITCHEN/PROJECT AREA. LIFE SAFETY THE CONTRACTOR SHALL COMPLY WITH STATE DEPARTMENT OF HEALTH SERVICE CRITERIA THE GENERAL CONTRACTOR WILL COORDINATE ACCESS TO AND FROM THE SITE WITH TOWN OF YUCCA VALLEY WILL **NOT** OCCUPY THE BUILDING DURING CONSTRUCTION FOR THE SEPARATION OF POTABLE WATER WATER MAINS AND SANITARY SEWERS, FORTH IN SECTION 64630, TITLE 22 OF THE CALIFORNIA ADMINISTRATIVE CODE. FINAL CLEANING: THE CONTRACTOR IS TO COORDINATE TEMPORARY UTILITY DISRUPTION A MIN. OF 2 DAYS A. THE CONTRACTOR SHALL PERFORM AN OVERALL CLEANUP OF THE AREA, ALL. TRADES BUILDING SECURITY DURING CONSTRUCTION AND OFF-HOURS SHALL BE COORDINATED PRIOR TO ANY DISRUPTION. 3. LIFE SAFETY AND EXITING SHALL BE OBSERVED DURING CONSTRUCTION. SHALL REMOVE THEIR RUBBISH AND DEBRIS FROM THE SITE TO THE RUBBISH WITH THE TOWN. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO SECURE 3. THE CONTRACTOR SHALL NOTIFY THE ENGINEER, IN WRITING, AS SPECIFIED, 72 HOURS IN FOOT TRAVEL DISTANCE TO ALL PORTIONS OF THE BUILDING ON EACH FLOOR AND AS SHOWN ON I. DUST AND VOC CONTROL SHALL BE OBSERVED DURING CONSTRUCTION. CI FANING SHALL OCCUR DURING CONSTRUCTION AND PRIOR TO SUBSTANTIAL COMPLETION COLLECTION CENTER THE SITE AND BUILDING DURING CONSTRUCTION AND REMODEL ADVANCE OF MAKING ANY CONNECTION TO AN ACTIVE PIPELINE OR UTILITY SYSTEM, AND B. IF THIS CLEANING IS NOT PERFORMED TO THE SATISFACTION OF THE TOWN, IT WILL BE PERFORMED FOR THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE. SHALL RECEIVE THE ENGINEERS CONSENT BEFORE PROCEEDING. CONTRACTOR SHALL MAINTAIN THE RATING OF ALL PENETRATING WALLS AND SHALL APPLY CONTRACTOR SPALE INVINITIAL THE RATING OF ALL PEREITENT WALLS AND STALL AFFELT RETRIEVED AND FIREPROOFING, AT HIS EXPENSE, WHENEVER ANY PENETRATION ARE MADE...ETC. FIRESTOP AND FIREPROOFING MATERIAL SHALL BEAR U.L. LISTING NUMBER DEPICTING WALL TYLCOMPOSITION AND FIRE RATED MATERIAL LIMITATIONS, SUBMIT PROPOSED FIRESTOP FIREPROOFING METHOD FOR APPROVAL PRIOR TO APPLICATION IN THE FIELD. T-1



BID SET YUCCA VALLEY - - Kitchen Equipment Upgrades TOWN OF Senior Center SITE



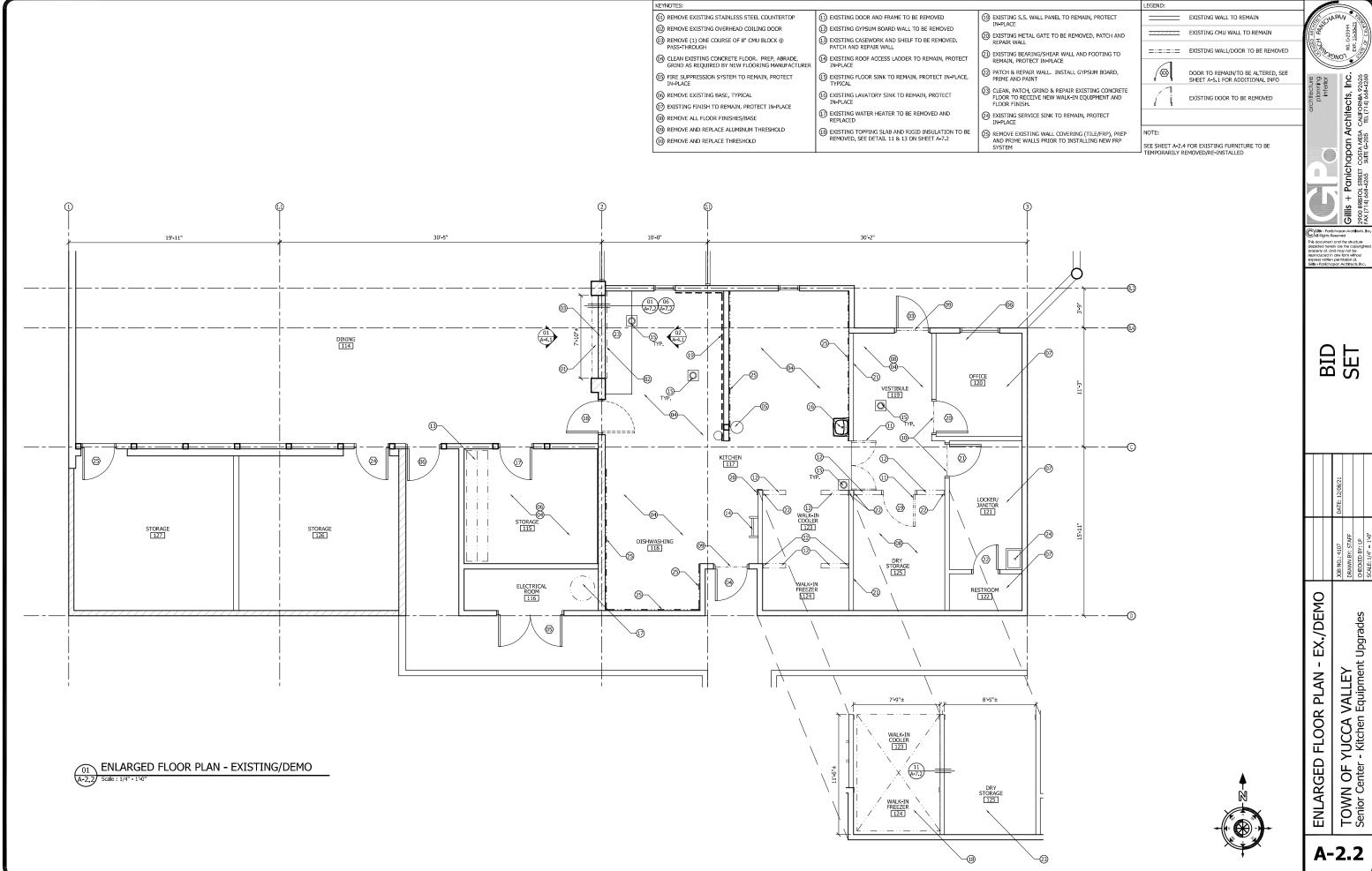
EXISTING WALL TO REMAIN

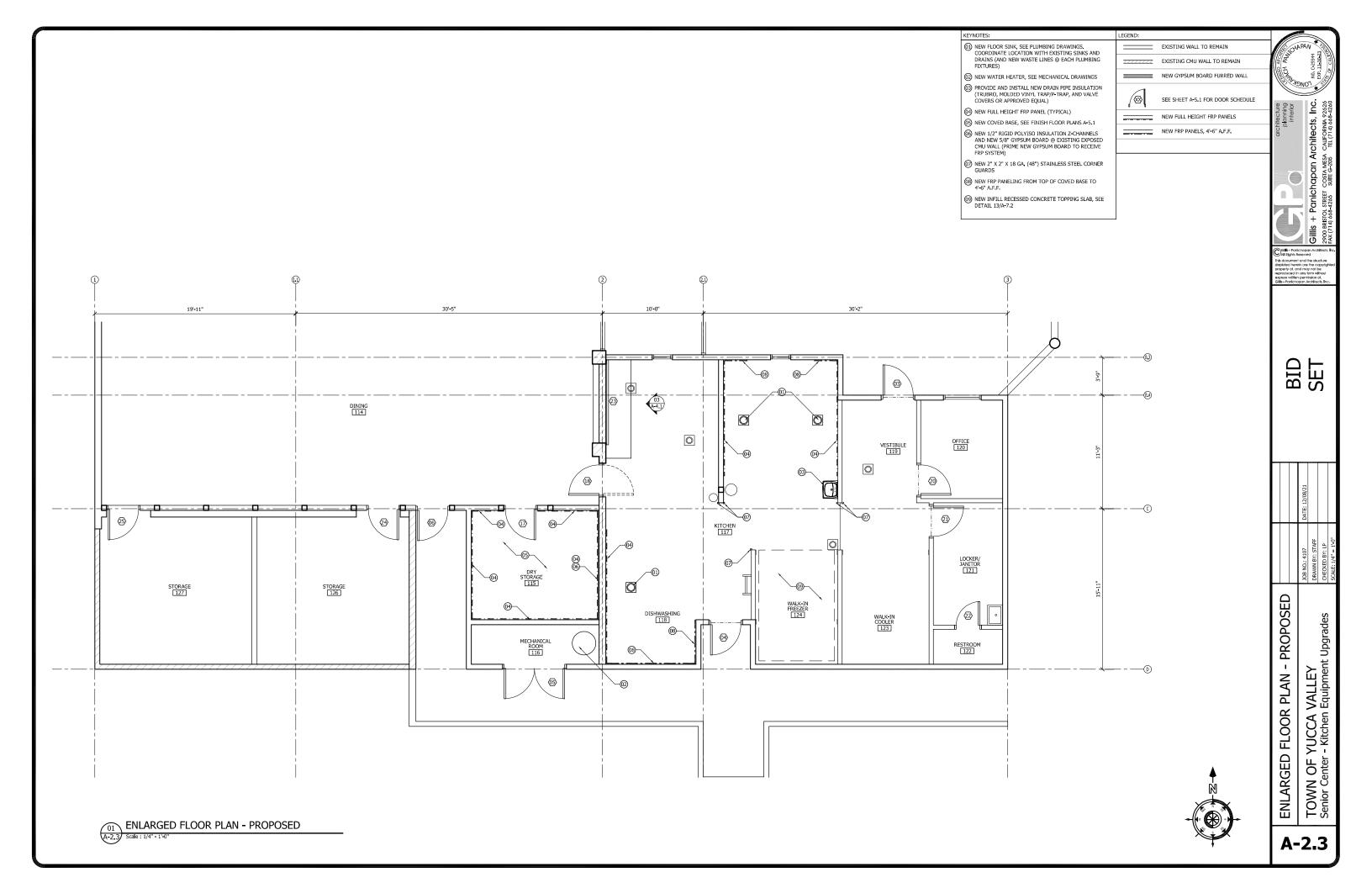
EXISTING DOOR TO REMAIN EXISTING DOOR TO BE REMOVED

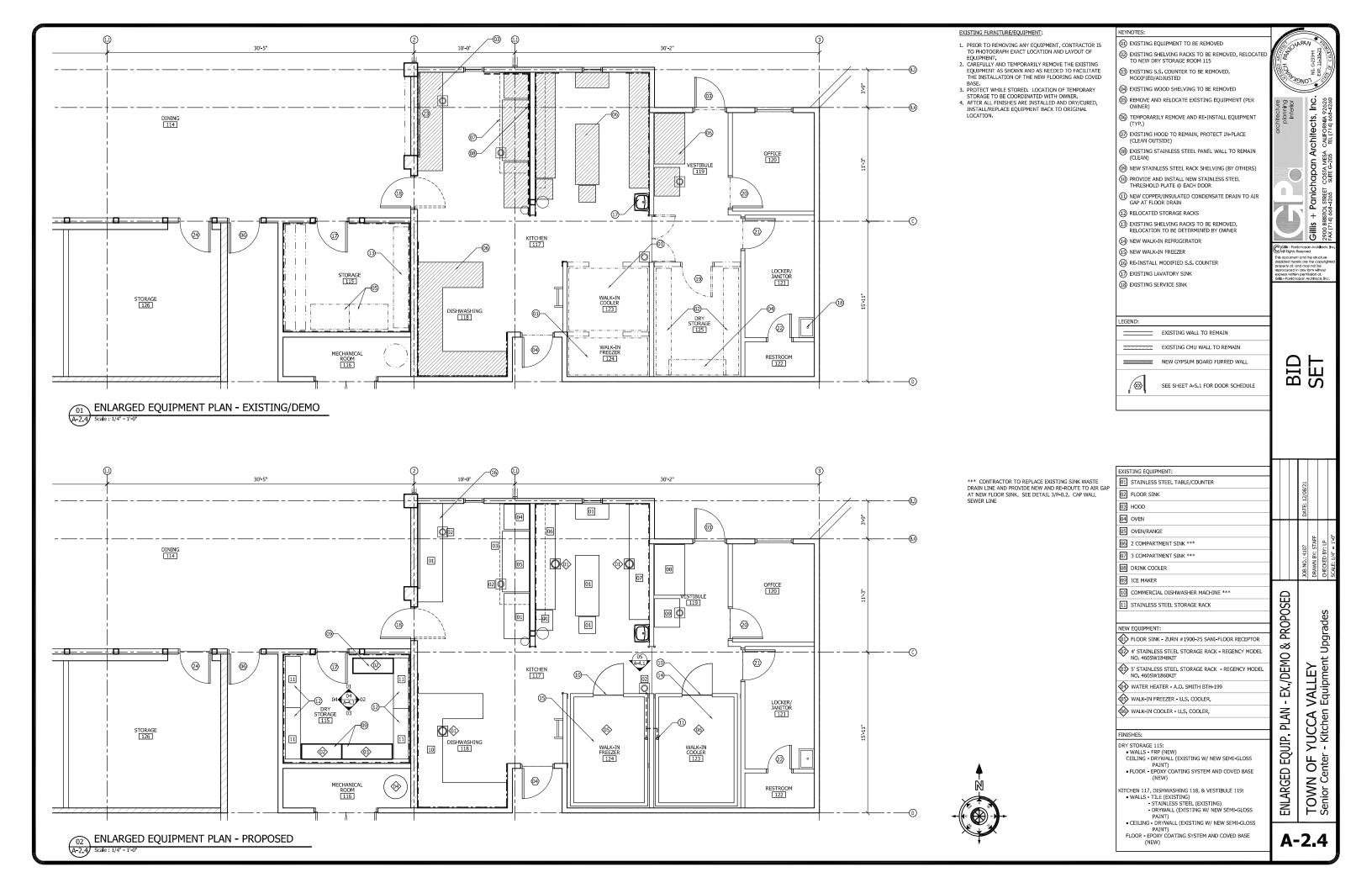
BID SET

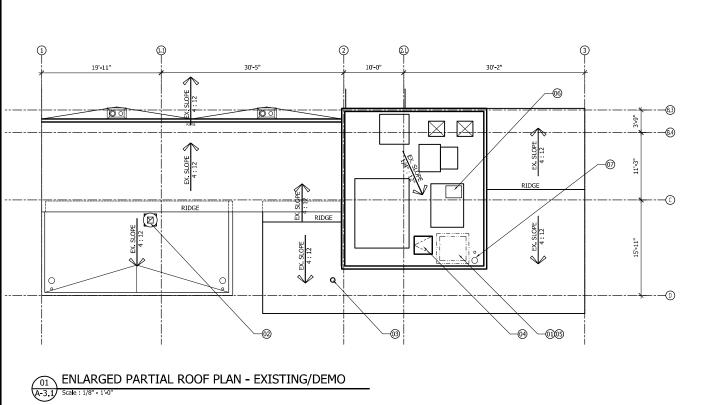
FLOOR PLAN - OVERALL EXISTING TOWN OF YUCCA VALLEY
Senior Center - Kitchen Equipment Upgrades

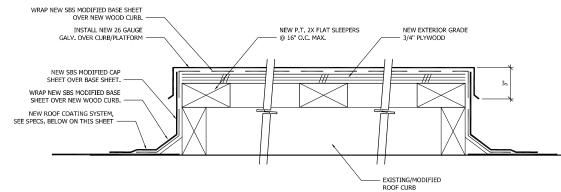
A-2.1







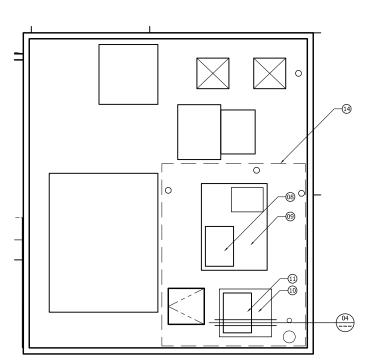




04 EX./MODIFIED ROOF CURB
A-3.1 Scale: N.T.S.

19'-11" 30'-2" RIDGE ă RIDGE EX. SLOPE 4:12

02 ENLARGED PARTIAL ROOF PLAN - PROPOSED
A-3,1) Scale: 1/8" - 1'-0"



ROOF COATING SYSTEM:

-HENRY, 100% SILICONE

-WHITE (TROPI-COOL)

-INSTALLED OVER NEW/MODIFIED BUILT-UP ROOF SYSTEM

ENLARGED PARTIAL ROOF PLAN - PROPOSED EQUIPMENT

A-3,1 Scale: 1/4" - 1'-0"



(2) EXISTING EXHAUST FAN TO REMAIN, PROTECT IN-PLACE

(3) EXISTING VENT PIPE TO BE REPLACED

(4) EXISTING ROOF HATCH TO REMAIN, PROTECT IN-PLACE (5) EXISTING FREEZER/COOLER EQUIPMENT TO BE REMOVED REMOVE EXISTING SHEET METAL CURB FLASHING

①1 EXISTING METAL CORRUGATED AWNING AND SUPPORTS TO BE REMOVED

66 EXISTING CONDENSER TO REMAIN, PROTECT IN-PLACE

(i) EXISTING ROOF DRAIN TO REMAIN. CLEAN AND INSTALL NEW FIBERGLASS GRATE

08 NEW FREEZER CONDENSER, SET ON NEW ISOLATION PADS. SEAL ALL NEW FASTENER/PENETRATIONS

(9) CLEAN AND RE-COAT EXISTING CURB FLASHING

(10) INSTALL NEW 26 GAUGE GALV, OVER CURB/PLATFORM

11) NEW COOLER CONDENSER, SET ON NEW ISOLATION PADS. SEAL ALL NEW FASTENER/PENETRATIONS.

(12) NEW GAS HOSE PER CALIFORNIA PLUMBING CODE (C.P.C

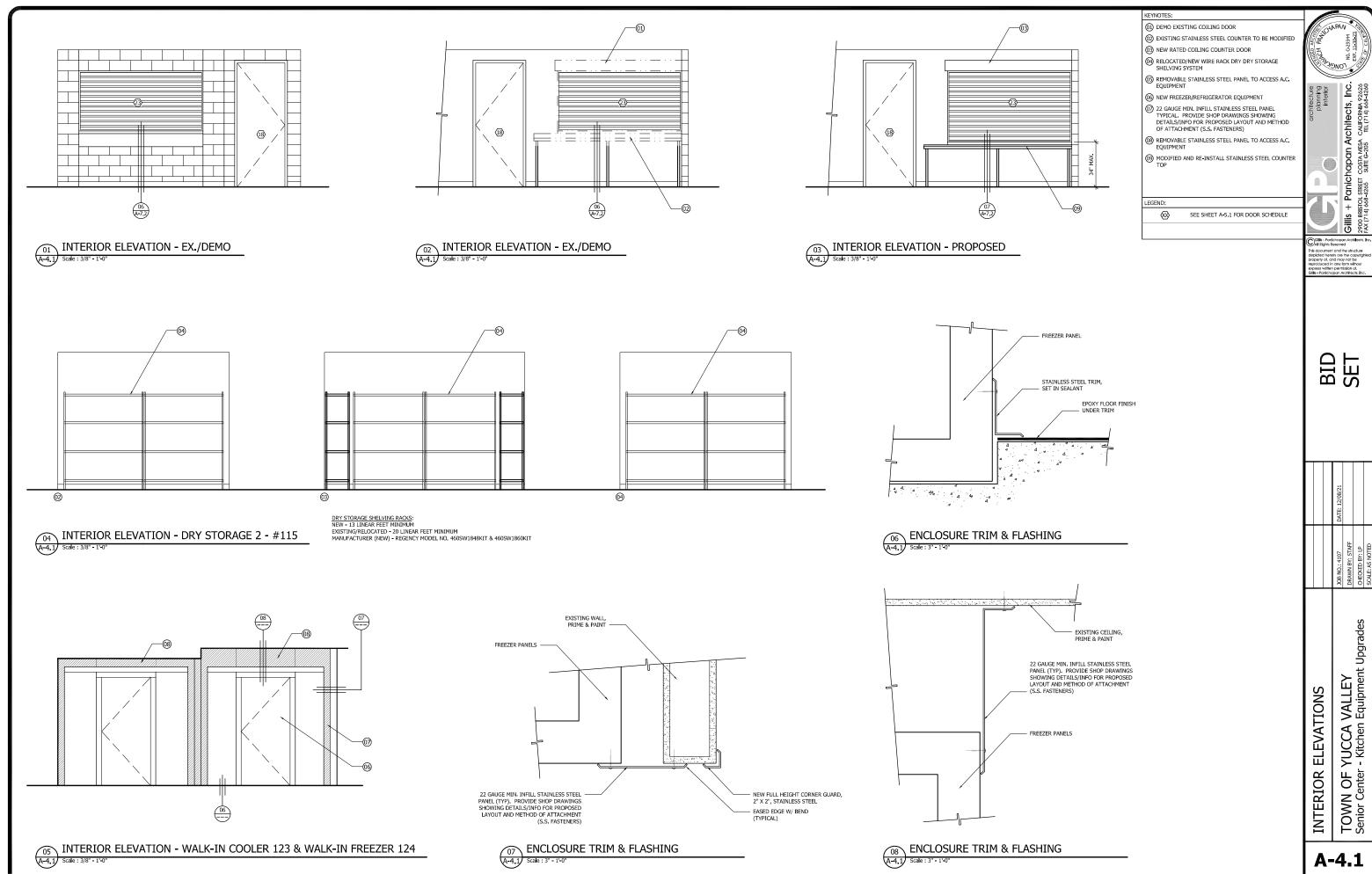
NEW/REPLACED ROOF VENT AND JACK FOR HOT WATER
 HEATER (NEW CONCENTRIC VENT PIPE)

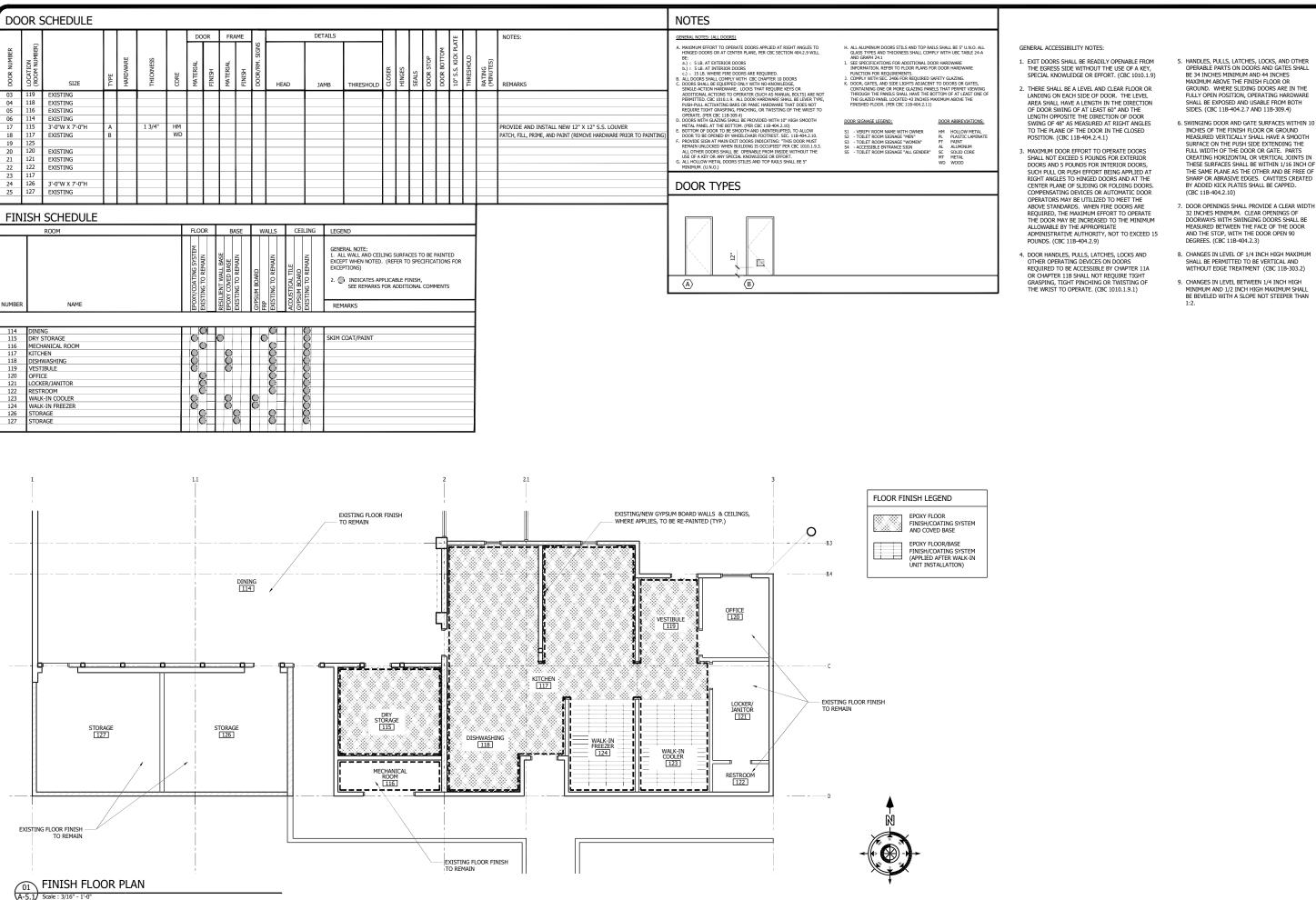
(4) APPROXIMATE AREA WITH NEW ROOF COATING SYSTEM

BID SET

ENLRGD. PARTIAL ROOF PLAN - EX./DEMO & PROPOSED TOWN OF YUCCA VALLEY
Senior Center - Kitchen Equipment Upgrades

A-3.1





- 5. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON DOORS AND GATES SHALL BE 34 INCHES MINIMUM AND 44 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. WHERE SLIDING DOORS ARE IN THE FULLY OPEN POSITION, OPERATING HARDWARE SHALL BE EXPOSED AND LISABLE FROM BOTH SIDES. (CBC 11B-404.2.7 AND 11B-309.4)
- . SWINGING DUOK AND GATE SORFACES WITHIN TO INCHES OF THE FINISH FLOOR OR GROUND MEASURED VERTICALLY 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 1/16 INCH OF THE SAME PLANE AS THE OTHER AND BE FREE OF THAND OR DARROWS FREE OR WITHER SURFACES SHALL BE CONTIBLE CREATER. SHARP OR ABRASIVE EDGES. CAVITIES CREATED BY ADDED KICK PLATES SHALL BE CAPPED. (CBC 11B-404.2.10)
- 7. DOOR OPENINGS SHALL PROVIDE A CLEAR WIDTH 32 INCHES MINIMUM. CLEAR OPENINGS OF DOORWAYS WITH SWINGING DOORS SHALL BE MEASURED BETWEEN THE FACE OF THE DOOR AND THE STOP, WITH THE DOOR OPEN 90 DEGREES. (CBC 11B-404.2.3)
- 8. CHANGES IN LEVEL OF 1/4 INCH HIGH MAXIMUM SHALL BE PERMITTED TO BE VERTICAL AND WITHOUT EDGE TREATMENT (CBC 11B-303.2)
- 9. CHANGES IN LEVEL BETWEEN 1/4 INCH HIGH MINIMUM AND 1/2 INCH HIGH MAXIMUM SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN

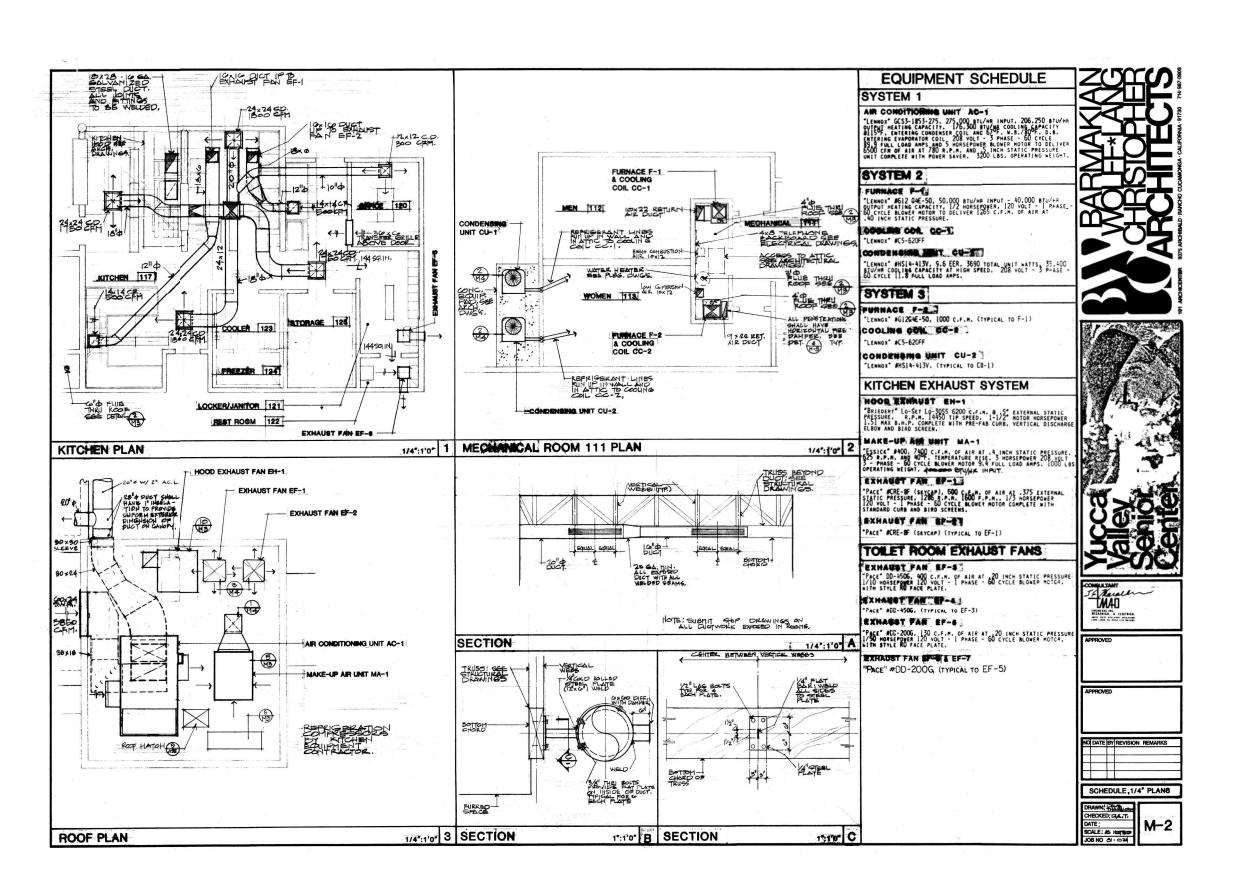
TONOT

Panichapan Architects, Inc.

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18-4265 SUITE G-205 TEL (714) 668-42260 Gillis + I 2900 BRISTO FAX (714) 668

BID SET

TOWN OF YUCCA VALLEY
Senior Center - Kitchen Equipment Upgrades -FS DOOR & FINISH FLOOR SCHEDULES A-5.1



BID SET

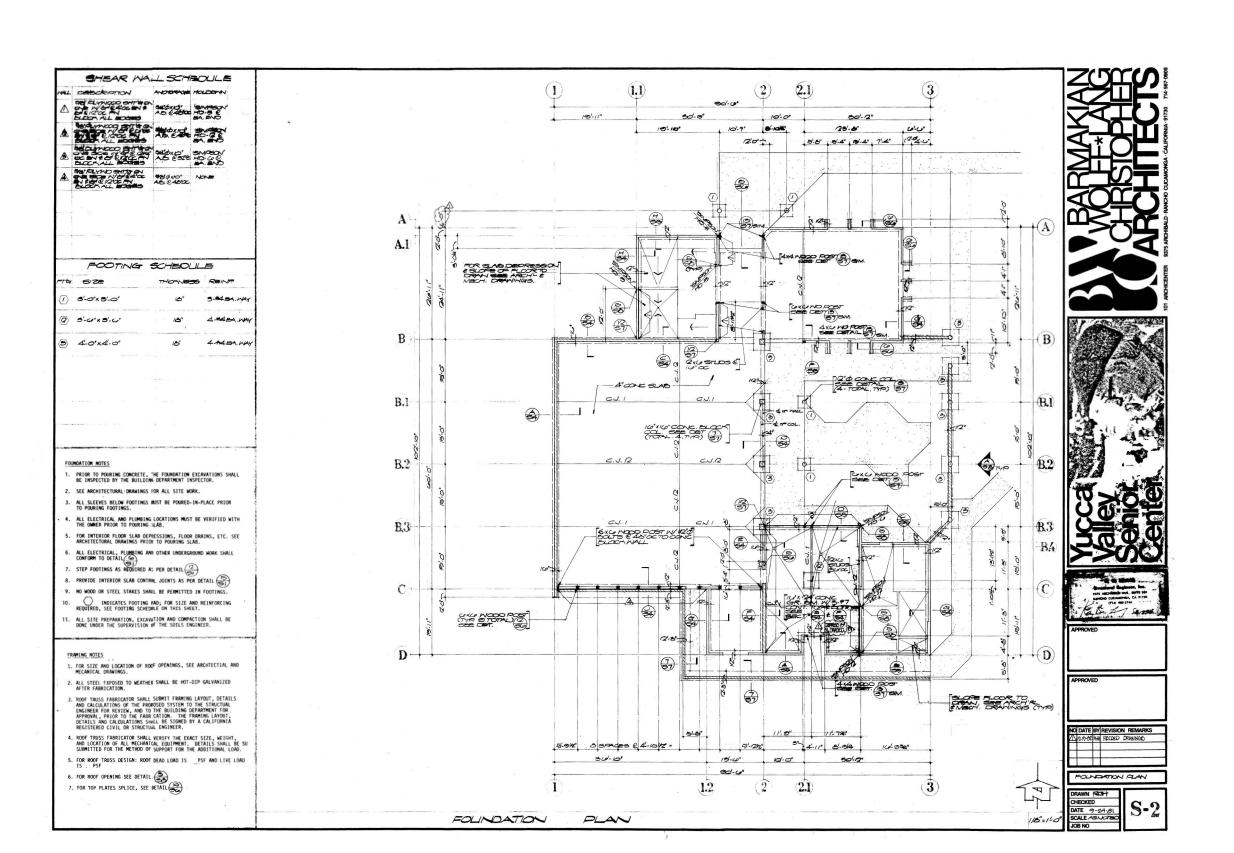
> : YUCCA VALLEY r - Kitchen Equipment

TOWN OF Senior Center

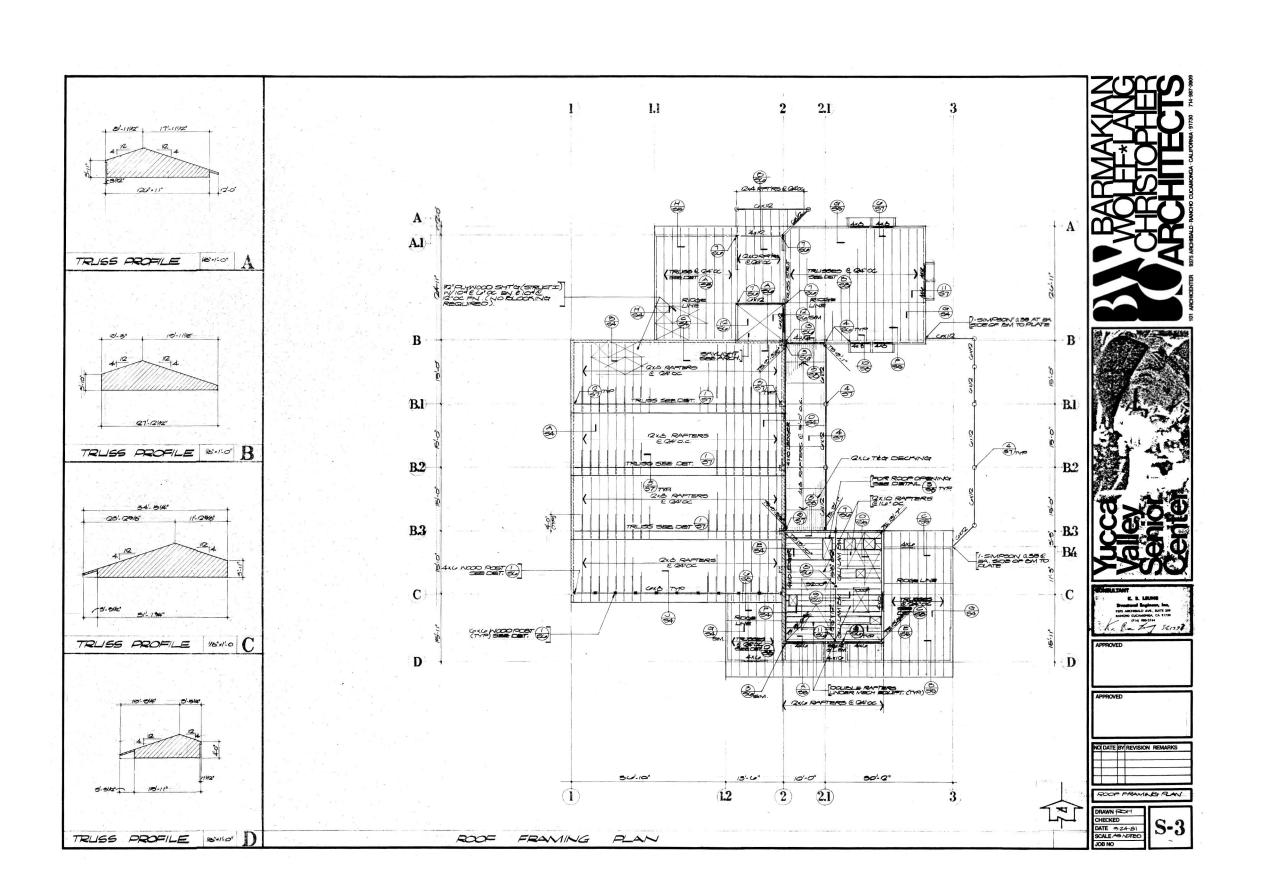
A-6.1

SHEET

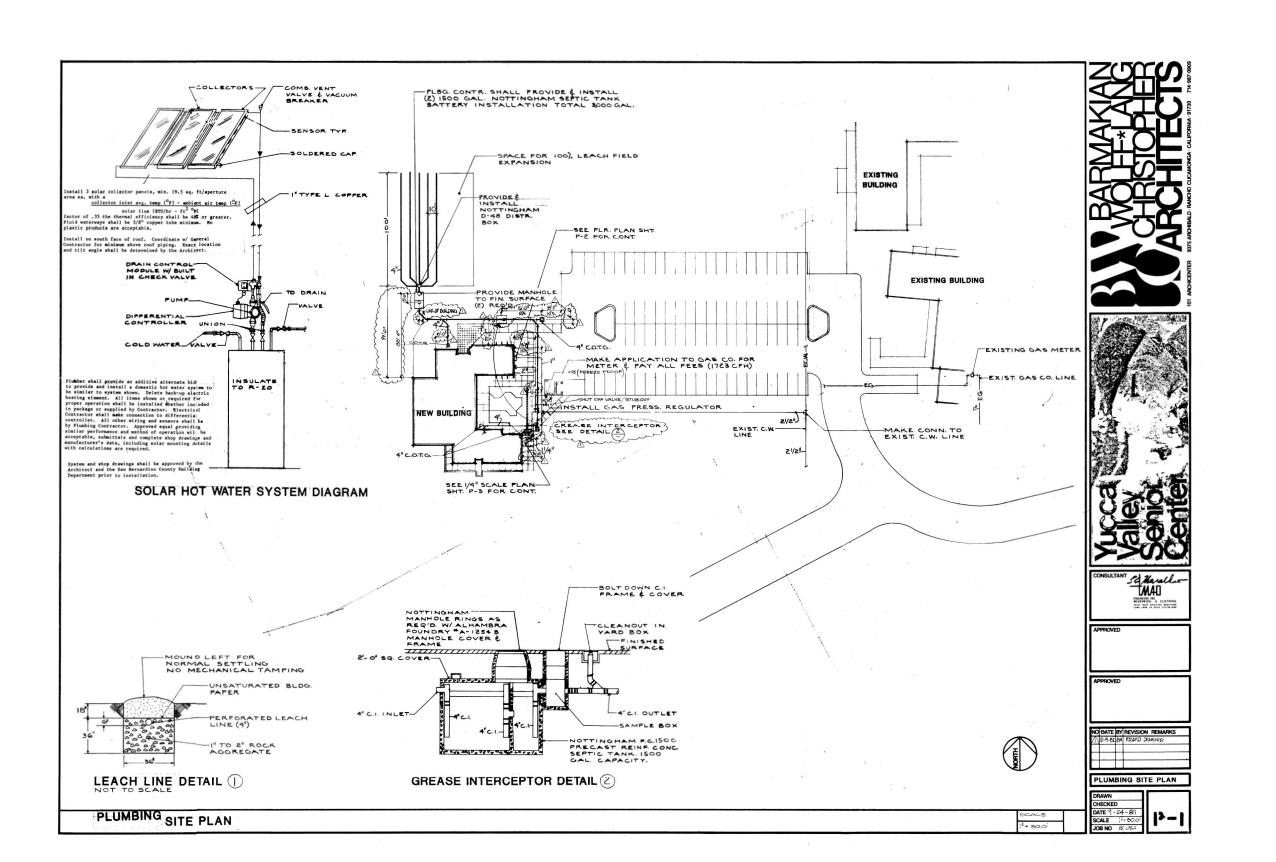
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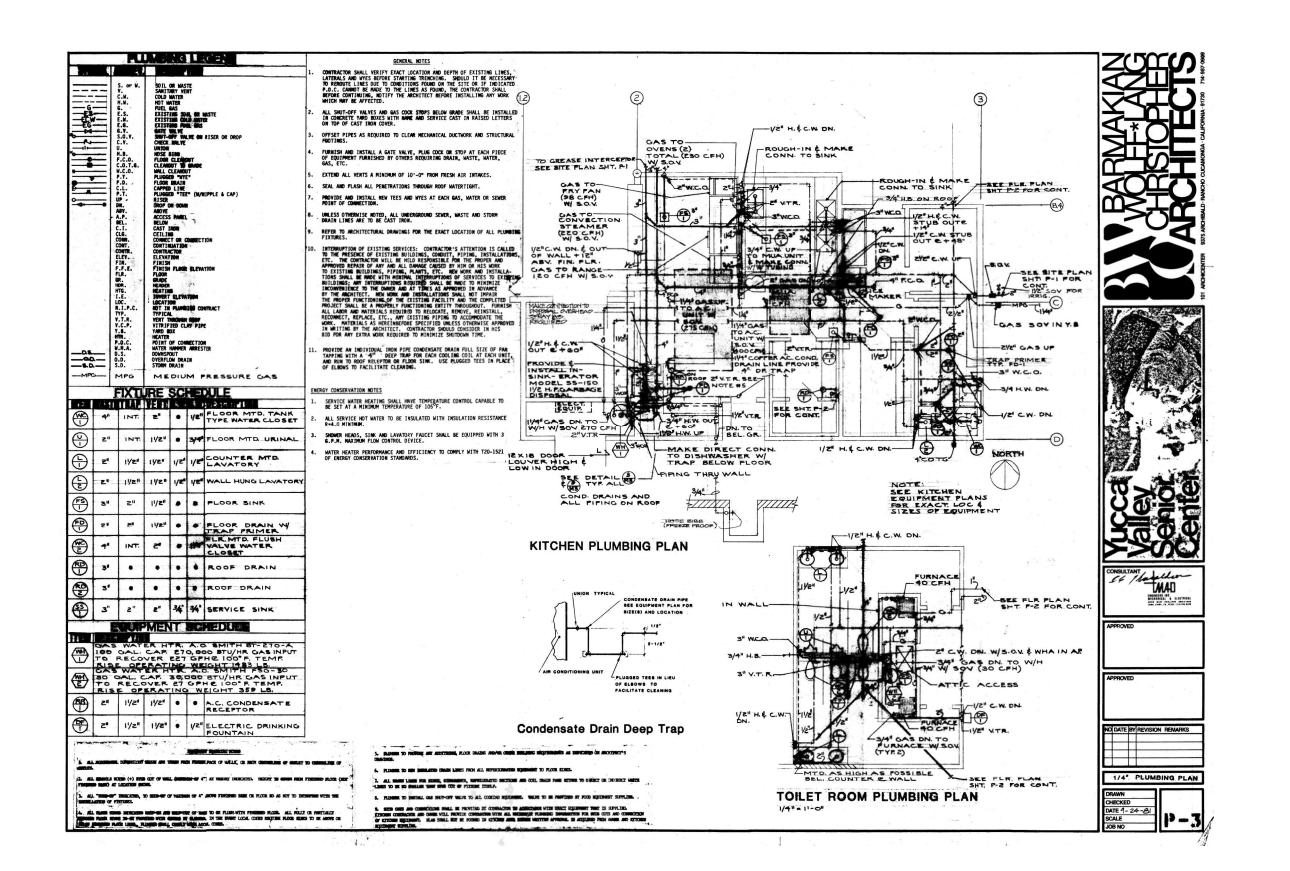
BID SET Equipment Upgrades : YUCCA VALLEY r - Kitchen Equipment REFERENCE SHEET TOWN OF Senior Center A-6.2



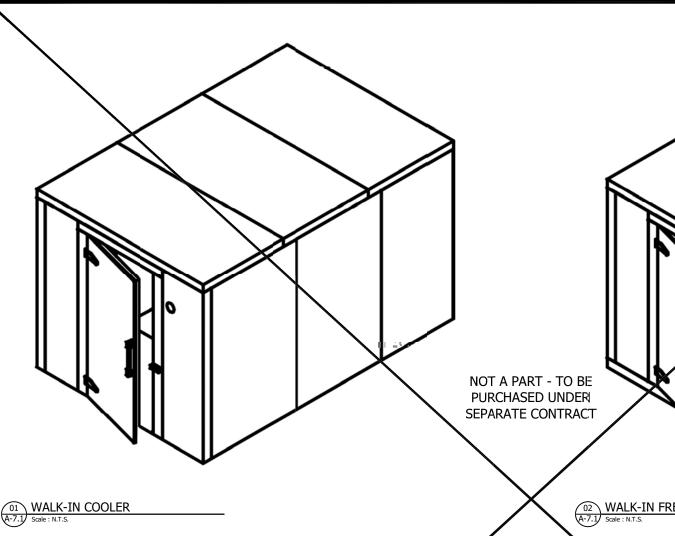
BID SET TOWN OF YUCCA VALLEY Senior Center - Kitchen Equipmen REFERENCE SHEET A-6.3



BID SET YUCCA VALLEY - - Kitchen Equipment Upgrades SHEET REFERENCE TOWN OF Senior Center A-6.4



BID SET SHEET YUCCA Y REFERENCE TOWN OF Senior Center A-6.5



02 WALK-IN FREEZER

BASIS OF DESIGN: U.S. COOLER

SPECIFICATIONS:
-U.S. COOLER MODEL NO. 525627

-1 FASTCOOLER STD. NOM. WALK-IN COOLER: 4" EXTRUDED POLYSTYRENE, STUCCO EMBOSSED

GALVALUME 26 GAUGE EXTERIOR, STUCCO EMBOSSED GALVALUME 26 GAUGE INTERIOR, NSF APPROVED. -1 DOOR, GREY VINYL SCREENING AT THE DOOR, (1) 24"X 76" MED TEMP INSIDE, WITHOUT FLOOR, VERT-ERG HANDLE, LED LIGHT, LED THERMOMETER, SWITCH, DOOR CLOSER AND ADJUSTABLE SPRING LOADED H

-1 REFRIGERATION

MANUFACTURER: RUSSELL

DESCRIPTION: PRE-ASSEMBLED REMOTE MED TEMP R448A AIR COOLED OUTDOOR CO

MODEL: REH080F4SDA

· COMPRESSOR: 3/4 HP, HERMETIC

EXTRAS: LIQUID LINE FILTER DRIER, SIGHT GLASS - INCLUDED ELECTRICAL: 208-230/1PHASE/60HZ RLA: 6.1 MOPD: 15 MCA: 15

CONDITIONS: BTUH: 6170 ROOM TEMP: 35°F COND AMBIENT: 110°F

 SIZING BOX: 5493 BTUH NEEDED FOR MAX. 10'-9 1/4"D X 7'-10"W X . 'H (APPROX.) ROOM CLEARANCE: DEPTH: 11'-6", WIDTH: 8'-5", HEIGHT: 8'-0"

SIZING PRODUCT: 920LBS OF MISC PRODUCT ENTERING AT 55

WARRANTY:

-PARTS: 1-YEAR STANDARD MANUFACTURER -1 EVAPORATOR (UNIT COOLER):

MANUFACTURER: RUSSELL

DESCRIPTION: PRE-ASSEMBLED AIR DEFROST LO PROFILE COIL

MODEL: RL6A052ADA

EXTRAS: EXPANSION VALVE (ERVE-1/3-C), ENOID VALVE (E2S120) -MOUNTED

ELECTRICAL: 115/1PHASE/60HZ FAN AMP 0.8 DEFROST AMPS: 0

WARRANTY:

- PARTS: 1-YEAR STANDARD MANU

-1 EXTENDED 2ND-5TH YEAR REFRIGE ATION WARRANTY 1/2 HP TO 1 HP COMPRESSOR ONLY

-1 EXTENDED REFRIGERATION WA ANTY; 1ST DAY - 1ST YEAR - 1/2 TO 1 HP LABOR ONLY

OF DESIGN: U.S. COOLER

DEL NO. 525662 -U.S. COOLEI

4" EXTRUDED POLYSTYRENE, STUCCO EMBOSSED GALVALUME 26 GAUGE EXTERIOR, STUCCO EMBOSSED GALVAI IE 26 GAUGE INTERIOR, NSF APPROVED.

NSULATION, 22 GAUGE STAINLESS STEEL INTERIOR, STUCCO EMBOSSED GALVALUME 26 -1 FLOOR: 4" EXTRUDI GAUGE EXTERIOR. U.S. COLER FLOORS ARE NOT DESIGNED FOR THE USE OF FORKLIFTS, PALLET JACKS, OR HARD WHEELED CARTS. DAMAGE CAUSED BY THIS USAGE WILL VOID THE PANEL WARRANTY

-1 DOOR, 34 IN X 76 IN; LOV PINSIDE, WITH FLOOR, THRESHOLD, VERT-ERGO HANDLE, LED LIGHT, LED

THERMOMETER SWITCH, DOOR CLOSURE AND ADJUSTABLE SPRING-LOADED HINGES

-1 PRESSURE RELIEF INSTALLED

-1 REFRIGERATION -1 CONDENSING UNIT

MANUFACTURER: RUSSELL

 DESCRIPTION: PRE-ASSEMBLED REMOTE LO TEMP R448A AIR COOLED OUTDOOR CONDENSING UNIT

MODEL: RFO250L4SDA

COMPRESSOR: 2-1/2 HP, SCROLL

EXTRAS: LIQUID LINE FILTER DRIER, SIGHT GLASS

ELECTRICAL: 208-230/1PHASE/60HZ RLA: 14.7 MOPD:

CONDITIONS: BTUH: 7210 ROOM TEMP: -10°F COND AMB NT: 110°F SIZING BOX: 6558 BTUH NEEDED FOR MAX. 10'-9 1/4"D X 7'-X 7'-6"H (APPROX.)

ROOM CLEARANCE: DEPTH: 11'-6", WIDTH: 7'-9", HEIGHT: 8'-0"
 SIZING PRODUCT: 662LBS OF MISC PRODUCT ENTERING AT 20°F

WARRANTY:

- PARTS: 1-YEAR STANDARD MANUFACTURER (OPTIONAL EXTENDED PA

-1 EVAPORATOR (UNIT COOLER): MANUFACTURER: RUSSELL

DESCRIPTION: PRE-ASSEMBLED ELECTRIC DEFROST LOW PROFILE COIL

MODEL: RL6E066DDAS EXTRAS: EXPANSION VALVE (ERVE-1-ZP), SOLENOID VALVE (E3S130) - MOUNTED

ELECTRICAL: 208-230/1PHASE/60HZ FAN AMPS: 1 DEFROST AMPS: 9.8

WARRANTY:

- PARTS: 1-YEAR STANDARD MANUFACTURER

-EXTENDED WARRANTY:

1 EXTENDED 2ND-5TH YEAR REFRIGERATION WARRANTY 2 1/2 HP COMPRESSOR ONLY

• 1 EXTENDED REFRIGERATION WARRANTY: 1ST DAY - 1ST YEAR - 2 1/2 HP LABOR ONLY

DEFERRED SCOPE OF WORK:

GENERAL SCOPE OF WORK:

LINDER SEPARATE CONTRACT:

EPOXY FLOOR AND COVED BASE AT BOTH WALK-IN COOLER AND WALK-IN FREEZER

COUNTY HEALTH REQUIREMENTS:

1. EQUIPMENT MUST BE SPECIFICALLY CONSTRUCTED FOR COMMERCIAL USE, ANSI CERTIFIED FOR SANITATION (NSF, ITS, ETL, EPH, UL SANITATION OR CSA). DOMESTIC MODEL REFRIGERATION UNITS WILL NOT BE ACCEPTED.

2. MERCHANDISER UNITS (USUALLY DISPLAY REFRIGERATORS WITH GLASS DOORS) ARE NOT APPROVED FOR OPEN FOODS, AND ARE NOT PERMITTED IN FOOD PREP AREAS.

3. AN ACCURATE, READILY VISIBLE THERMOMETER LOCATED TO INDICATE THE AIR TEMPERATURE IN THE WARMEST PART OF THE UNIT (USUALLY BY THE DOOR) MUST BE PROVIDED. SHELVING MUST BE NONABSORBENT AND EASILY CLEANABLE. (WOOD IS NOT ACCEPTABLE)

USE ONLY SHELVING AS PROVIDED BY THE MANUFACTURER TO FACILITATE AIR CIRCULATION. 5. EQUIPMENT SURFACES MUST BE SMOOTH, NONABSORBENT AND EASILY CLEANABLE. ALL

JOINTS MUST BE SEALED. 6. CONDENSATE WASTE FROM REFRIGERATION UNITS MUST DRAIN TO A FLOOR SINK VIA AN AIR

GAP. IF DESIGNED BY THE MANUFACTURER, CONDENSATE MAY DRAIN TO A PROPERLY FUNCTIONING EVAPORATOR. RAPID COOL DOWN EQUIPMENT MAY BE REQUIRED DEPENDING ON THE FOOD OPERATION.

. FLOOR SINKS, FLOOR DRAINS AND TRENCH DRAINS ARE NOT ALLOWED TO BE LOCATED INSIDE THE WALK-IN. TRENCH DRAINS CAN BE ALLOWED IMMEDIATELY OUTSIDE OF A WALK-IN

ALL REFRIGERATION UNITS SHALL BE LOCATED WITHIN THE FOOD FACILITY. OUTDOOR REFRIGERATION UNITS ARE NOT ACCEPTABLE UNLESS THEY OPEN DIRECTLY INTO THE FOOD

9. A WALK-IN COOLER MAY BE REQUIRED IF THE PROPOSED MENU SUGGESTS THAT A MODERATE

AMOUNT OF FOODS WILL BE COOKED AHEAD OF USE REQUIRE COOLING 10. HAVE AN INTEGRAL COVED BASE WITH A RADIUS OF AT LEAST 3/8 INCH AT THE FLOOR/WALL JUNCTURE BOTH INSIDE AND OUTSIDE OF THE COOLER; THE FLOOR MATERIAL SHALL EXTEND

UP TO A HEIGHT OF AT LEAST FOUR (4) INCHES ON THE WALLS. FOUR (4) INCH APPROVED METAL TOP SET COVING WITH A MINIMUM OF 3/8 INCH RADIUS IS ACCEPTABLE AGAINST METAL WALL SURFACES. (WOOD IS NOT AN ACCEPTABLE INTERIOR FINISH.)

11. HAVE SHELVING THAT IS AT LEAST SIX (6) INCHES OFF THE FLOOR WITH SMOOTH, ROUND, METAL LEGS OR CANTILEVERED, SUSPENDED DIRECTLY FROM THE WALL, FOR EASE OF CLEANING. WOOD SHELVING IS NOT ACCEPTABLE. SHELVING SHALL BE NON-CORROSIVE AND DESIGNED TO ALLOW FOR OPTIMUM FLOW OF REFRIGERATION AIR. SMALL, EASILY MOVABLE, CASTERED DOLLIES MAY BE USED IN PLACE OF A LOWER SHELF.

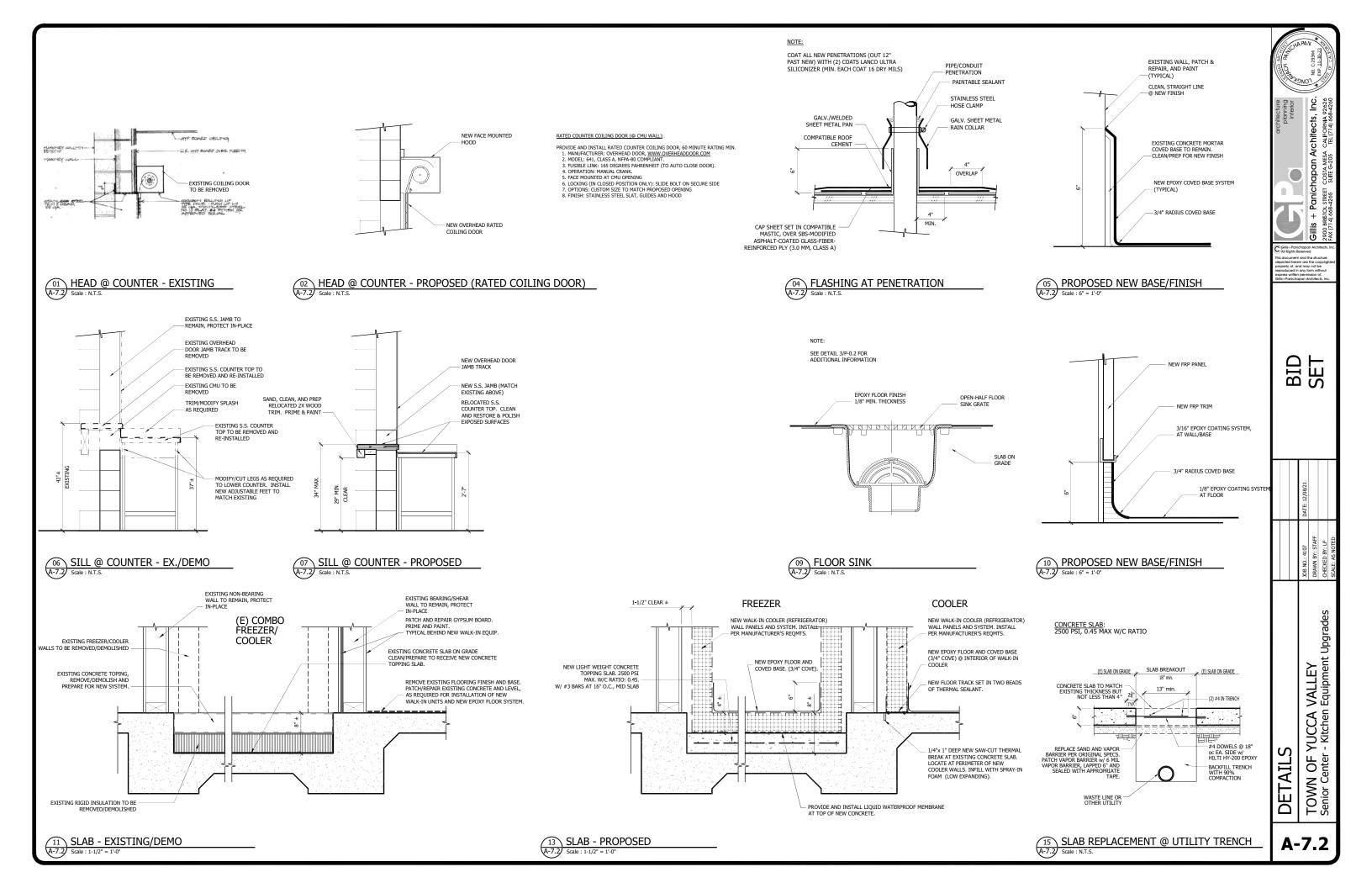
12. HAVE CONDENSATE WASTE DRAIN TO A FLOOR SINK VIA AN AIR GAP (BY GRAVITY FLOW). THE FLOOR SINK MUST BE LOCATED OUTSIDE THE WALK-IN REFRIGERATION UNIT AND WITHIN THE

BID SET

INFO VALLEY n Equipment Upgrades FREEZER] ಶ REFRIG.

YUCCA V TOWN OF Senior Center WALK-IN

A-7.1



125 VOLT	PAINTED CPX PLYWOOD, 4' X 8' UNLESS NOTED OTHERWISE.	<u></u>	WALL MOUNTED OCCUPANCY SENSOR +42"AFF,U.O.N. (DOUBLE MANUAL ON/OFF	WP WEATHERPROOF H2S ENGI XFMR TRANSFORMER	NEERS INC E-mail: mverma@h2sengineers.com	
DUPLEX GROUND FAULT INTERRUPTING TYPE RECEPTACLE, 20 AMP,	TELEPHONE TERMINAL BACKBOARD "TTB". 3/4 INCH SANDED AND	*	DIMMER SWITCH)	UNO UNLESS NOTED OTHERWISE W WIRE	Ph: (714) 290-0718	
DUPLEX GROUNDING TYPE RECEPTACLE, 20 AMP, 125 VOLT	GFP GROUND FAULT PROTECTION DEVICE. GFS GROUND FAULT SENSOR.	F\$®	FLEX CONDUIT., UNLESS OTHERWISE NOTED. VERIFY LOCATION WITH FURNITURE CONTRACTOR. PROVIDE MAX. 6' FLEX WHIP FOR CONNECTION. WALL MOUNTED OCCUPANCY SENSOR +42"AFF,U.O.N. (SINGLE MANUAL ON/OFF	SYS SYSTEM SYM SYMMETRICAL TEMP TEMPERATURE TYP TYPICAL	H2S Engineers Inc. Consulting MEP Engineers Andheim, CA 92801	ELECTRICAL TOWN OI
JUNCTION BOX IN ACCESSIBLE CEILING SPACE OR FLUSH IN WALL WITH BLANK COVER PLATE TO MATCH DEVICE PLATES.	GFI "GROUND FAULT INTERRUPTER"		AND TELEPHONE/DATA. SINGLE GANG TELEPHONE BOX. PROVIDE 1-1/2"CONDUIT AND STUB-UP AT +6" ABOVE CEILING WITH A SUPER	REC RECEPTAGLE RECPTS RECEPTAGLES RECOD REQUIRED		SICAL S
SURFACE MOUNTED COMMUNICATION TERMINAL CABINET. REFER TO DRAWINGS AND SPECIFICATIONS.	COMPANY. — III- GROUND, "GRD".	e IG	DEDICATED RECEPTACLE INDICATED WITH "IG" ADJACENT SHALL BY ISOLATED GROUND TYPE WITH INDIVIDUAL GROUND WIRE TO PANELBOARD.	PNLED PANELBOARD PRI PRIMARY PWR POWER		\sim 10°
RECESSED COMMUNICATION TERMINAL CABINET. REFER TO DRAWINGS AND SPECIFICATIONS.		⊕	ANY RECEPTACLE INDICATED WITH "IG" ADJACENT SHALL BY ISOLATED GROUND TYPE WITH INDIVIDUAL GROUND WIRE TO PANELBOARD.	NO, NOS NUMBER, NUMBERS NTS NOT TO SCALE		YWBOLL YUCCA
PANEL DESIGNATION.	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		125 VOLT	MCM THOUSAND CIRCULAR MILS MT, MTD, MTG MOUNT, MOUNTED, MOUNTING		LIST A V
RECESSED BRANCH CIRCUIT PANELBOARD.	<i>t</i>	Φ	125 VOLI, 2 POLE, 3 WINE. FLUSH FLOOR MOUNTED DUPLEX GROUNDING TYPE RECEPTACLE, 20 AMP,	MAX MAXIMUM MCB MAIN CIRCUIT BREAKER		
SURFACE MOUNTED BRANCH CIRCUIT PANELBOARD.	VOLTAGE TRANSFORMER. FLOOR MOUNTD, COPPER WOUND, DRY TYPE UNLESS SPECIFIED OTHERWISE.	₽	HALF CONTROLLED DUPLEX GROUND FAULT INTERRUPTING TYPE RECEPTACLE, 20 AMP,	KWH KILOWATT-HOURS LT, LTS LIGHT, LIGHTS		ABBRE. LEY
ISOLATED GROUND WIRE. RUN IN ADDITION TO REGULAR GROUND WIRE.	90FU		TP - THREE POSITION T - TIMER, 0-6 HR ROTARY OR AS NOTED	kV KILOVOLTS		ا پیا ا
CONDUIT HOMERUN TO PANELBOARD. LETTER AND NUMERALS INDICATE ELECTRICAL PANEL AND CIRCUIT NUMBER.	3p FUSED SWITCH. "AS" INDICATED AMPERE SWITCH RATING, "AFU" 100AS INDICATES AMPERE FUSE RATING, NUMBER OF POLES AS INDICATED.		P – PILOT LIGHT PR – PRESS TYPE	J.B. JUNCTION BOX		
THAN #10.	O<- → → DRAW-OUT TYPE CIRCUIT BREAKER.		THERMAL OVERLOAD PROTECTION MC – MOMENTARY CONTACT	Fluor fluorescent Fut future GND Ground		
OF CONDUCTORS IN LIEU OF #10. ALL CONDUITS SHALL CONTAIN ONE GROUND WIRE SIZED PER C.E.C. TABLE 250-95, BUT NOT SMALLER	EM ELECTRONIC METERING PACKING		LC - LOCKABLE COVER M - MANUAL MOTOR STARTER WITH	FF FINISHED FLOOR FLEX FLEXIBLE		
GROUND WIRE ARE INDICATED WHEN CROSS LINES ARE NOT SHOWN. NUMERALS ADJACENT TO CROSS LINES ON CONDUIT RUNS INDICATE SIZE	CL CURRENT LIMITING		I – ILLUMINATED HANDLE	DWG DRAWING		
CROSS LINES ON CONDUIT RUNS INDICATE NUMBER OF #10 CURRENT CARRYING CONDUCTORS CONTAINED THEREIN. TWO #10 AND ONE #10	NA NON-AUTOMATIC		3 - THREE WAY	CC CENTER TO CENTER OKT CROUT		B NO.:
	70AT SUBSCRIPT INDICATES TYPE.		NO SUPERSCRIPT - SINGLE POLE SWITCH	BKR BREAKER C. CONDUIT CAB CABINET		
REFERENCE DETAIL NUMBER. "X" INDICATES DETAIL NUMBER AND "X.X"	100AF 3P MOLDED CASE CIRCUIT BREAKER. "AF" INDICATES AMPERE FRAME, "AT" INDICATES AMPERE TRIP RATING AND NUMBER OF POLES AS INDICATED.	3k Sa	SWITCH. LOWER CASE LETTER AT BOTTOM INDICATES OUTLETS	AS AMFERE SWITCH RATING AT AMFERE TRIP RATING OF BREAKER AWG AMERICAN WRE GALOE		21122
PHASE	(SAME ABBREVIATIONS APPLY AS ABOVE)	Me		AM AMMETER AMP, A AMPERES		DATE: 1
"CONDUIT", WITH CONDUCTORS AS REQUIRED BY DRAWINGS OR SPECIFICATIONS.	LOW VOLTAGE DIMMER SWITCH	+90,	OUTSIDE BUTTOM OF HEXAGON INDICATES MOUNTING HEIGHT FROM FLOOR TO BOTTOM OF FIXTURE. OMISSION OF MOUNTING HEIGHT INDICATES CEILING MOUNTING.	AFF ABOVE FINISHED FLOOR AFU AMPERE FUSE RATING		12/08/202
"CONDUIT ONLY". PROVIDE PULL ROPE FOR ALL EMPTY CONDUIT.	VT – VARIABLE TORQUE VFD – VARIABLE FREQUENCY DRIVE	106	TOP OF HEXAGON INDICATES NUMBER OF FIXTURES REQUIRED. NUMERAL		-	
UNLESS NOTED OTHERWISE	CH — CONSTANT HORSEPOWER CT — CONSTANT TORQUE	Q \21	LIGHTING FIXTURE IDENTIFICATION SYMBOL. LETTER INDICATES FIXTURE TYPE. NUMERALS IN LOWER HALF OF HEXAGON INDICATE FIXTURE MATTERS (INCLUDING MACH MISSER) MATTERS (INCLUDING MACH MISSER)	ARBREVIATIONS		-
"ON CENTER"	2S — TWO SPEED 2W — TWO WINDINGS		FRAME WHERE APPLICABLE.			
ABOVE FINISHED FLOOR	SS — SOLID STATE REDUCED VOLTAGE REV — REVERSING TYPE	⊗ † ⊔	DIRECTIONAL ARROW AS NOTED ON THE DRAWINGS. BOTTOM OF FIXTURE AT +6 INCHES ABOVE FINISHED FLOOR AND WITHIN FOUR INCHES OF DOOR	RELOCATE EXISTING DEVICES TO COMPLY TO NEW SPACE ' CONFIGURATION.		
KILOWATT HOURS	WD — WYE-DELTA REDUCED VOLTAGE PW — PART WINDING REDUCED VOLTAGE		LOW LEVEL EXIT LIGHT FIXTURE, WALL MOUNTED WITH OR WITHOUT	SUBMIT AND SECURE FIRE MARSHAL APPROVAL. FIELD TO VERIFY EXISTING FIRE ALARM DEVICES. ADD AND/OR		
WEATHERPROOF, NEMA 3R	PR — PRIMARY RESISTOR REDUCED VOLTAGE		OR WITHOUT DIRECTIONAL ARROW AS NOTED ON THE DRAWINGS. NOT TO BE USED AS JUNCTION BOX OR "THROUGH-WIRE" DEVICE.	CONTRACTOR SHALL PROVIDE AS PART OF FIRE ALARM SYSTEM:		
"AMPS"	(TYPICAL FOR ALL MAGNETIC STARTER SYMBOLS.)	a t	ILLUMINATED EXIT LIGHT FIXTURE. SIDE, BACK, CEILING, OR PENDANT MOUNTED, SINGLE OR DOUBLE FACED AS NOTED BY SHADED ARC, WITH	INDICATED. CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING RACEWAY, WRINN PLANS, VOLTAGE DROP CALCULATION AND COMPLETE ONE LINE DIAGRAM OF THE SYSTEM.	E-4.1 ENLARGED ROOF PLAN - PROPOSED	BII
"VOLTS"	MAGNETIC MOTOR STARTER. ROMAN NUMERAL INDICATES NEMA STARTER VED. II. SIZE. ADDITIONAL SUBSCRIPTS INDICATE STARTER TYPE AND SIZE.		DENOTES FIXTURE WITH EMERGENCY POWER PROVISIONS.	CONTRACTOR SHALL PROVIDE AND SUBMIT FIRE ALARM SAFETY CONSTRUCTION DOCUMENTS FOR ALL ACENCY PLAN CHECK REQUIREMENTS. APPROVIAL SHALL BE OBTAINED PRIOR TO THE INSTALL AIRON OF THE SYSTEM INTERPONNETING WINDIA SHALL CONNUIT STYFE ABE NOT	E-3.1 ENLARGED FLOOR PLAN - PROPOSED	
"KILOVOLT – AMPERES"	100AS FL FUSED DISCONNECT SWITCH. "AS" INDICATES SWITCH AMPERE RATING. 60AFU "AFU" INDICATES FUSE AMPERE RATING.	O-1 ₀	BRANKET OR WALL MOUNTED LIGHT FIXTURE AND COTTLET, HID, FLUORESCENT OR INCANDESCENT. LOWER CASE LETTER INDICATES CONTROLLING SWITCH, NUMERAL INDICATES CIRCUIT. SHADED CIRCLE	THE ALAMA LEMMI INCIL	E-1.1 OVERALL FLOOR PLAN E-2.1 ENLARGED FLOOR PLAN - EXISTING/DEMO	
"KILOWATT"	100AS UN NON-FUSED DISCONNECT SWITCH. "AS" INDICATES SWITCH AMPERE RATING.			FIRE ALARM PERMIT NOTE	E-0.3 SINGLE LINE DIAGRAM AND PANEL SCHEDULES	
AMPERES INTERRUPTING CAPACITY "ROOT MEAN SQUARED"			CONTROLLING SWITCH. NUMERAL INDICATES CIRCUIT. SHADED CIRCLE		E-0.1 ELECTRICAL SYMBOL LIST AND ABBREVIATIONS	
	HALF-SWITCHED DUPLEX RECEPTACLE JUNCTION BOX FLUSH IN FLOOR	10			SHEET NO. SHEET NAME	property of, and may reproduced in any for express written permis Gillis+Panichapan Arch
CONDUIT RUN UNDERGROUND.		0	FLUORESCENT LIGHT FIXTURE OUTLET. LOWER CASE LETTER INDICATES CONTROLLING SWITCH, NUMERAL INDICATES CIRCUIT. SHADED CIRCLE DENOTES ENTITIES WITH EMERGENCY DOMEST ROPAGES OF		SHEET INDEX	Callis-Ponichapan Ar All Rights Reserv This document and the depicted herein are the
CONDUIT RUN EXPOSED.			PROVISIONS.			
CONDUIT RUN, CONCEALED IN CEILING, WALLS OR UNDER FLOORS.	REQUIRED.	O 1a	LOWER CASE LETTER INDICATES CONTROLLING SWITCH, NUMERAL INDICATES CIRCUIT. SHADED SYMBOL INDICATES FIXTURE WITH EMERGENCY POWER			
PER DRAWINGS. ASTERISK (*) ADJACENT INDICATES RELAY BASED AND LISTED FOR DOOR CONTROL.	EQUIPMENT WITH "RR" ADJACENT IS EXSTING TO BE DISCONNECTED, REMOVED AND RELOCATED TO NEW LOCATION AND RECONNECTED AS	RC	ROOM CONTROLLER CEILING LIGHT FIXTURE AND OUTLET, HID, FLUORESCENT, OR INCANDESCENT.			
PHOTOELECTRIC TYPE SMOKE DETECTOR MOUNTED ON CEILING OR WALL	R DISCONNECTED AND REMOVED.		CEILING MOUNTED OCCUPANCY SENSOR CEILING MOUNTED DAYLIGHT SENSOR			
FIRE ALARM CONTROL PANEL, "FACP". REFER TO SPECIFICATIONS.	E		SURFACE MOUNTED EMERGENCY LIGHTING UNIT WITH 90 MIN. EMERGENCY BATTERY PACK. REFER TO LIGHTING FIXTURE SCHEDULE.	2019 CALIFORNIA TINE CODE (CCC),		
FIRE ALARM TERMINAL CABINET.	COPPER WOUND, WALL OR BOX MOUNTED UNLESS NOTED OTHERWISE.	FD-SD	FIRE AND SMOKE DAMPER	2019 CALIFORNIA EIDER CODE		٥
ON AXIS) U.N.O. 15 CD OR 110 CD DEVICES SHALL BE PROVIDED AS PER NFPA 72.	TRANSFORMER, PRIMARY & SECONDARY VOLTAGE AND KVA RATING AS NOTED. TYPE AND CONFIGURATION AS SPECIFIED. PROVIDE DRY TYPE,			2019 CALIFORNIA PLUMBING CODE (CPC)		architec planr inte
INCHES ABOVE HIGHEST FLOOR LEVEL IN ROOM OR 6 INCHES BELOW CEILING, WHICHEVER IS LOWER.VISUALS SHALL BE 30 CANDELA (75 CD	SINGLE PHASE FRACTIONAL OR INTEGRAL HORSEPOWER MOTOR.	$\overline{\mathbf{x}}$	PANFI NAMF.	2019 CALIFORNIA ELECTRICAL CODE (CEC) 2019 CALIFORNIA MECHANICAL CODE (CMC)		cture nning terior
FIRE ALARM PULL STATION, VISUAL STROBE LIGHT AND HORN. MOUNT PULL STATION AT +48 INCHES. MOUNT HORN AND LIGHT AT +80	\boxtimes^{J} combination magnetic motor starter and fused disconnect switch. F $$ II		1-1/2"C.O MIN. FROM DATA JACK TO 6" ABOVE CEILING SPACE. COORDINATE CABLING REQUIREMENTS WITH SCE IT.	2019 CALIFORNIA BUILDING CODE (CBC)		
FIRE ALARM PULL STATION. MOUNT AT +48 INCHES UNLESS OTHERWISE NOTED.	SWITCH.	4	PLATE. ENGRAVE PLATE "VOICE" AND "DATA" OVER RESPECTIVE JACKS.	THE CONSTRUCTION OF THIS PROJECT SHALL CONFORM TO THE REQUIREMENTS OF: 2019 BUILDING STANDARD ADMINISTRATIVE CODE		1
						-
O HELLOOF H H HELV O O O O O O O O O O O O O O O O O O O	THE ALARM PULL STATION, VISUAL STROBE LIGHT AND HORN. MOUNT VILL STATION AT 148 NOTES. MOUNT HORN AND LIGHT AT 140 NOTES ABOVE HIGHEST FLOOR LEVEL IN FROM MO E INCISES BELOW PULLING, WHICHEVER IS LOWER YOUNG SHALL BE OF MOUNT AT 140 NOTES ABOVE HIGHEST FLOOR LEVEL IN FROM MO E INCISES BELOW PULLING, WHICHEVER IS LOWERE YOUNG SHALL BE PROVIDED AS PER NEFA 72. THE ALARM TERMINAL CABINET. FIRE ALARM CONTROL PANEL, "FACP". REFER TO SPECIFICATIONS. PHOTOELECTRIC TYPE SMOKE DETECTOR MOUNTED ON CELLING OR WALL PER DEARMONS. ASTERISK (*) ADJACENT INDICATES RELAY BASED NOT LISTED FOR DOOR CONTROL. CONDUIT RUN, CONCEALED IN CELLING, WALLS OR UNDER FLOORS. CONDUIT RUN, CONCEALED IN CELLING, WALLS OR UNDER FLOORS. CONDUIT RUN, CONCEALED IN CELLING, WALLS OR UNDER FLOORS. CONDUIT RUN EXPOSED. CONDUIT TO HAD CAPPED. PULL LINE IN PLACE. "AMPERES INTERRUPTING CAPACITY" ROOT MEAN SQUARED" NULOWATT" NECONDUIT ONLY. PROVIDE PULL ROPE FOR ALL EMPTY CONDUIT. CONDUIT ONLY. PROVIDE PULL ROPE FOR ALL EMPTY CONDUIT. CONDUIT, WITH CONDUCTORS AS REQUIRED BY DRAWINGS OR PECIFICATIONS. PHASE REFERENCE DETAIL NUMBER. "X" INDICATES DETAIL NUMBER AND "X.X" ANDICATES SHEET NUMBER. PROVIDE ON CONDUIT RUNS INDICATE NUMBER OF #10 CURRENT CARRYING CONDUCTORS CONTAINED THERRIN. TWO #10 AND ONL #10 ROUND WER ARE AND LOCATED WHEN CONSOS LINES ARE NOT SHOWN HUMERALS ADJACENT TO CROSS LINES ON CONDUIT RUNS INDICATE SIZE FOR CONDUCTORS IN LEU OF #10. ALL CONDUITS SHALL EN HAMP IN LEU OF #10. ALL CONDUITS SHALL FOR HAMP IN INCIDATE LICETRICAL PANEL AND CROUT NUMBER. SOLATED GROUND WIRE. RUN IN ADDITION TO REGULAR GROUND WIRE. SURFACE MOUNTED BRANCH CIRCUIT PANELBOARD. PANEL DESCRIPTIONS. HAMP IN ACCESSED COMMUNICATION TERMINAL CABINET. REFER TO DRAWINGS MOS SPECIFICATIONS. LICETRICAL PANEL AND CROUT NUMBER. SOLATED GROUND WIRE. RUN IN ADDITION TO REGULAR GROUND WIRE. SURFACE MOUNTED COMMUNICATION TERMINAL CABINET. REFER TO DRAWINGS MOS SPECIFICATIONS. LINCTON BOX IN ACCESSIBLE CELING SPACE OR FLUSH IN WALL WITH LICHNEY CO	SHOULD SHOULD STANDED HER AND HER AND HER AS SHOWN AND THE HER AS SHOWN AND THE SHOWN	SEA AND PLUS STORM, WORD AT HE MORE DULIES WHOME SEA STORM, WORD AS THE BEST WAS A STORM USED AND A STORM AND A S	THE CONTROL OF THE PERSON AND ADDRESS OF THE CONTROL OF THE CONTRO	Company Comp	Security of the control of the contr

A SCOPE

- furnish and install a completely wired and operational electrical system as shown on The drawings and specified herein, incliding but not limited to, these major items.

 - ELECTRICAL PANELS, CONTROLS, SERVICE, DISCONNECTS, CONDUIT WRING, ETC., FOR ALL CUTLETS AND EQUIPMENT.
 - Telephone cutlets and conduit as indicated.
 - CONDUIT AND CUTLETS FOR ALARM, COMPUTER, AND SECURITY SYSTEMS AS INDICATED.
- CONTROL WRING FOR ELECTRICAL SYSTEMS.

B. CODES, REGULATIONS AND STANDARDS

- THE INSTALLATION SHALL COUPLY WITH APPLICABLE LOCAL AND STATE CODES AND ORDINANCES, WITH THE RESULATIONS OF THE LATEST ADDPTED EDITION OF THE FOLLOWING CODES AND WITH THE RESULATIONS OF THE POWER AND TELEPHONE COMPANIES FURNISHING SERVICES TO THIS
- THE FOLLOWING INDUSTRY STANDARDS, SPECIFICATIONS AND CODES ARE MINIMUM REQUIREMENTS:
- NEMA-NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION STANDARDS

- IEEE-INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS
- NESC-NATIONAL ELECTRICAL SAFETY CODE

C. INSPECTION OF SITE

1.FROR TO SUBMITING A BID FOR ELECTRICAL WORK, THE ELECTRICAL CONTRACTOR SHALL WIST THE STE. OF THE PROPOSED CONSTRUCTION AND SHALL THOROUGHLY ACQUANT HARSEF WITH ESSING UTILIZES AND WORKING CONTRICTION TO BE ENCONTRETED, ETC. ALLOWANCE WILL NOT BE MADE FOR NON-COMPLIANCE WITH THIS CONDITION AFTER BIDDING.

D. GENERAL WORKMANSHE

- all work shall be executed and finished in a practical manner and shall present a neat and workmanlike appearance when completed.

- 1.ELECTRICAL DRAWINGS IDENTIFY UTILITY SERVICE REQUIREMENTS FOR POWER, TELEPHONE, AN CABLE TV WITHIN AND UP TO FIVE FEET OUTSIDE THE BUILDING. UTILITY ELECTRICAL SERVICE Chee In which and up to the het coiside he bouing until helsingle short synch. Synch it may strength and in care the freedred point of service. Unlifty cooldt systems, pulledoes, and other strictures, where shown on the size fram are also for information out, and indicate the freedred routing. The electrical contractor shall refer to unity service devants for actual unity service predefines for this project. Unity strict systems of the construction of the construction of the construction of the construction of the project. Unity systems shall be constructed in accordance with the approved during strict province that the construction of th SHALL BE THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO CONTACT AND FOLLOW-UP WITH ALL UTILITY COMPANIES TO OBTAIN BOTH PRELIMINARY AND FINAL DESIGN DRAWNOS FOR THIS PROJECT.
 - The Electrical Contractor Shall coordinate the Installation of the Electrical Struce Bitrance, meti all Power Company requirements and Shall Pay all Utility Company Charges.
 - THE LOCAL TELEPHONE COMPANY WILL FURNISH AND INSTALL ALL TELEPHONE WRING AND EQUIPMENT AND WILL MAVE ALL FINAL TELEPHONE CONNECTIONS. THE ELECTRICAL CONTRACTOR SPALL COORDINATE THE INSTALLATION OF THE TELEPHONE SPANCE DIRRANCE, MEET ALL TELEPHONE REQUIREMENTS AND SHALL PAY ALL UTILITY COMPANY CHARRES.
 - THE ELECTRICAL CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE CARLE SERVICE ENTRANCE, MEET ALL CARLE COMPANY REQUIREMENTS AND SHALL PAY ALL UTILITY COMPANY CHARGES.

- Cooperate with the other trades so that the installation of the electrical cutlets and editarbit will be propery coordinated. Condut, pixtures, and other eduparit locations shall be offered with the other trades to and conflict with the physics ductions, steel, bears, or other destructions.
- CAREFULLY CHECK THE LOCATIONS OF THE CUTILET BOXES AND DETERMINE THAT THEY HAVE NOT BEEN DISTURBED DURING THE INSTALLATION OF MATERIALS OF OTHER TRADES.
- COORDINATE THE LOCATION OF TRENCHES AND CONDUITS FOR UTILITY SERVICES AND OTHER DISOPLINES WITH THE GENERAL CONTRACTOR.

- 1.ANY DEVICE WHICH CAPPLES THE FILL LOAD CAPPENT OF THE ELECTRICALLY DRIVEN MACHINERY, AS GPOSED TO THE CONTROL OF INSTRUMENTATION CAPPENT IN THE HOLDING OIL, IS A POWER ORGALT AND IS THE RESPONSIBILITY OF THE ELECTRICAL CONTROL OF CONTROL OR INSTRUMENTATION CROLLES CONTROL OR LOAD OF CONTROL OR THE CONTROL CONTROL OR THE MECHANICAL CONTROL OR THE MECHAN
- THE POWER CIRCUIT IS DEFINED AS ALL DEVICES NECESSARY TO CHERATE, AND AS REQUIRED BY CODE TO PROJECT AND SERVICE THE UNIT, INCLIDING BRANCH CIRCUIT PROJECTIVE DEVICES, DISCONNECTS, IMPORTED MOTOR STARTIERS WITH RUNNING OVERLOAD AND SINGLE PHASING PROSPECTION IN MACHINE CONTROL OF THE WARRENCE WITH RUNNING OVERLOAD AND SINGLE PHASING PROSPECTION.
- THE CONTROL OR INSTRUMENTATION OROLIT IS DEFINED AS ALL DEWGES NECESSARY TO INTERFACE THE ELECTRICAL POWER OROLIT WITH THE CONTROL SISTEM AS SPECIATED BY THE MECHANICAL BROWNER MILLIONG COPOUT, BOYS, CONDUCT FITTING, CONDUCTORS, ELECTRIC-PREJAMIC SWITCHES, RELIMING-ELECTRIC SWITCHES, BECTRICAL AND PREJAMIC ELECTRIC SWITCHES, BECTRICAL AND PREJAMIC ELECTRIC SWITCHES, BECTRICAL AND PREJAMIC ELECTRIC SWITCHES, BECTRICAL AND PREJAMIC ELECTRICAL PROPERTY.
- The electrical contractor shall be responsible to provide 120V duplex receptagles within 25 feet of all roof mounted equipment, per NEC 210.63.

- THE DRAWNGS NDICATE THE CENERAL ARRANCEMENT AND LOCATIONS OF THE ELECTRICAL WORK.
 INFORMATION PRESENTED ON THESE DRAWNGS ARE AS ACCURATE AS PLANNING ON DETERMINE,
 BUT REID VERRICATION OF ALL DIMPOSINGS, LOCATIONS, LEVELS, ETC., TO SUIT RELD CONDITIONS
 IS REQUIFED. REVIEW ALL ARCHITECTURAL, BOTH MOST HOUSE, DRAWNGS, AND ADJUST
 ALL WORK TO MEET THE REQUIRAMINS OF CONDITIONS SHOWN. THE ARCHITECTURAL DRAWNGS
 SHALL TAKE PRECEDENCE ORE, ALL OTHER DRAWNGS. DISORPHONGS ENVEND DIPPETENT RIMS,
 OR ESTMEND DRAWNGS AND SPECIFICATIONS, OR REGULATIONS AND CODES COMENNIG THE
 NISTIALIATION SHALL ES ENDICATED TO THE ATENTION OF THE ENDIFFER IN WAITING BEFORE THE
 DATE OF BIO OPENING. WHETE DISORPHANCES OF CONFLICTS COOLE THE BIO SHALL REFLECT
 THE MOST STRINGENT REQUIREMENTS. BECTICAL CONTRACTOR SHALL ER RESPONSIBLE TO RELD
 MEASURE AND CONFRIM MODITIONS HEIGHTS AND LOCATION OF ELECTRICAL EQUIPMENT WITH
 RESPECT TO COUNTRIS, ETC. DO NOT SOALE DISTANCES OFF THE ELECTRICAL DRAWNGS. USE
 ACTUAL BILLIONE DIMENSIONS.
- 2 2UPON COMPLETION OF THE WORK UNDER THESE DRAWINGS AND SPECIFICATIONS, THE ELECTRICAL CONTRACTOR SHALL PROVIDE THE OWNER WITH A COMPLETE SET OF IMPRIED-UP ELECTRICAL DRAWINGS SHOWNS THE "AS-BULL" CONDITION OF THE WORK BOOD PRINTS OF THE DRAWINGS REQUIRED WILL BE FLRINSHED BY THE OWNER, FOR THIS PURPOSE.
- all operating instructions, parts usts and spare parts for material and equipment furnished and/or instructed by the electrical contractor shall be turned over to the ower (three copies).

- Substituts shall consist of detailed shop drawings, specifications, block withing durpaigs, "Catalog Quits" and data specific containing enhiscal. And dimensional information, performance data, electrical, ohracteristics, materials used in papercation, and material finish: "Quity indicate by arrows or brackets precisely what is being substitud on and those optional accessores which are included and those which are politified."
- EACH SUBMITAL SHALL BE ACCOUPANED SHALL BEAR A STAMP STATING THAT THE SUBMITAL HAS BE THOROUGHLY REVIEWED BY THE CONTRACTOR AND IS IN FILL CONFIDENCE WITH THE RECURPOINTS OF CONTRACT DOCUMENTS. COVER LETTERS SHALL ISTS IN FULL THE TIBLE AND DATA SUBMITIED. FAILINE TO COMPLY WITH THIS RECURPMENTS SHALL CONSTITUTE GROUNDS FOR REJECTION OR DATA.
- THE CONTRACTOR SHALL SUBMIT DETAILED DRAWINGS OF ALL ELECTRICAL EQUIPMENT AND GENERATOR ROOMS, YARDS, AND UTILITY AREAS. MINMUM SCALE: 1/4"=1"-0".
- AS PART OF THE EQUIPMENT SUBMITIALS, THE MANUFACTURER SHALL PROMDE ANOHORACE CALOLATIONS FOR FLOOR AND WALL MOUNTED ELECTRICAL EQUIPMENT. STRUCTURAL CALOLATIONS SHALL BE PREPARED AND SIGNED BY REGISTERD STRUCTURAL ENGINEER IN CALIFORNIA.
- al resignitals shall inclide a cover letter that lists the action taken and revisions made to every drawing and equipment data sheet in response to submittal review comments. Failure to inclide this cover letter will constitute rejection of the
- Contractor shall submit short drout and coordination studies soned by a registered electrical distret. Studies shall be perfored in acceptance with beet guidelines contractor shall be submitted for admitted-poincer review front to operation and installing any equipment, contractor shall ensure that the actival feeder lengths match studies (revise studies if necessary). Service equipment markings as required Per Nec 110.24 shall be based on contractor submitted studies.
- Subat codules fittings quilet full and unction boies where whing devices lighting fixtures lamps drulests safety sationes fixas-towards pareleoweds sationed-boards ground breakers, lighting coveral, system/devices, and fire alarm systems.

- all requests for substitutions shall conform to the general requirements and procedure outlined in division 1.
- Where items are noted as "or equal", a product of equal design, construction and performance will be considered.
- Substitutions shall be equal, in the opinion of the owner's representative, to the specified product.
- THE BURDEN OF PROOF OF EQUALITY OF A PROPOSED SUBSTITUTION FOR A SPECIFIED ITEM SHALL BE UPON THE ELECTIONAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL SUPPORT ITS REQUEST WITH SUPPORT TEST DATA, PHOTOMETRIC AMALYSS, DETAILED BREAMOOM DETRINGS OST SANNOS, AND OTHER MEANS TO PERAIT THE ARCHITECT AND/OR ENGINEER TO MAKE A FAR AND EQUITABLE DECISION ON THE MERSTS OF THE PROPOSED SUSSTITUTION ANY TIBLE MET ANAMERICAL PROPERTY OF THE THAN THOSE SPECIFIED, OR OF BRAND NAME OR MODEL NUMBER WILL BE considered a substitution. The architect and/or engineer will be the sole judge whether or not the substitution is equal in quality, utility, and economy to that
- Affrowal of a substitution shall not relieve electrical contractor from responsibility for complance with all reculrenants of the contract documents. Electrical contractor shall earl the Eppear for any of wards in other parts of this work or other work caused by the proposed substitution.
- IF ARCHIECT AND/OR ENGINEER REJECTS BECTRICAL CONTRACTOR'S SUBSTITUTE TIEM ON THE FIRST SUBMITHAL, ELECTRICAL CONTRACTOR MAY MANE ONLY ONE ADDITIONAL REQUEST FOR SUBSTITUTION IN THE SAME CATEGORY.

- Currantee all material furnished and all workmanship performed for a period of one year from the date of final acceptance of the work any depends delections within this period, traceage to material furnished as a part of this section or workmanship performed herelacer, shall be corrected as necessary at indicast to the owner.

Provide eneraled name plaies on switchedards, panel boards, disconnect switches, motior control centers, transformers, etc., indicating equipment designated (or designation of equipment served) and voltage.

M. HOUSEKEEPING PADS

PROMDE 4 INCH HIGH CONCRETE EQUIPMENT PADS FOR ALL FLCOR-MOUNTED EQUIPMENT INCLUDING SWITCHBOARDS, MOTOR CONTROL CENTERS, TRANSFORMERS, ETC.

- ALL MATERIALS SHALL BE NEW AND OF CUALITY AS SPECIFIED ON THE PLANS OR SPECIFICATIONS AND MUST CARRY THE INDERNITIEN'S LABORATORIES AFFROWL COLUMNS THE PLAPFOSE FOR WHICH THEY ARE USED, IN ACUITON TO MEETING ALL REQUIREMENTS OF THE CURRENT APPLICABLE COZES AND REGULATIONS.
- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING EQUIPMENT WHICH IS DAMAGED DUE TO INCORPECT HELD WIRING FROMED UNDER THIS SECTION OR FACTORY WIRING IN EQUIPMENT PROVIDED UNDER THIS SECTION.

STORAGE AND HANDLING OF MATERIAL

- DELIVER MATERIALS AND EQUIPMENT TO THE PROJECT IN THE MANUFACTURER'S ORIGINAL, UNOPEND, LABELED CONTINUERS: PROJECT AGAINST MISSTURE, TAMPERING, OR DAMAGE FROM MERFORE HANDLING OR STORAGE. ELECTRICAL CONTRICKTOR SHALL PROJECT AND E RESPONSIBLE FOR ANY DAMAGE. TO WORK OR MATERIALS UNTIL FAMIL ACCEPTANCE BY THE OWNER, AND SHALL MAKE COOL WITHOUT COST TO THE OWNER, ANY DAMAGE OR LOSS THAT MAY COOLER DURING THIS PRIVACE.
- Afrance for timely delivery of materials and equipment to the Jobste in order to minimize the length of time between delivery and installation.
- NO ELECTRICAL WORK SHALL BE INSTALLED IN AREAS WHERE OTHER TRADE'S WORK MIGHT CAUSE PHYSICAL DAMAGE TO WRES, CONDUT, EQUIPMENT, BOXES OR PITTINGS UNITLIFE OTHER TRADE'S WORK HAS BEEN COMPLETED. ANY EQUIPMENT OR MATERIALS WHICH BECOME DAMAGED SHALL BE REMONED AND REPLACED AT NO EXTRA COST TO THE OWNER.

P. CLEAN-UP

KEEP THE FREMSES FREE FROM ACCUMULATION OF WASTE MATERIALS, OR RUBBESH CAUSED BY EMPLOYEES OR WORK UNDER THIS DIVISION OF THE SPECIFICATIONS. AT THE COMPLETION OF THE WORK, ROMOVE ALL SURPLUS MATERIALS, TOOLS, ETC., AND LEAVE THE PREMSES "BROOM-QUEAN".

Perform the dicavation, Outling, Rithing, Repairing and Rinshing of the Work Recessary for the Installation of Electrica, Equipment However, No Outling of the Work of Other Rivages or of Amy Structural Member Shall be done without the Consent of the Architect.

PERFORM ALL EXCAVATION AND BACKFILLING REQUIRED FOR WORK PERFORMED UNDER THIS DIVISION OF THE SPECIFICATIONS. TRENCH BOTTOMS SHALL BE GRADED TRUE AND FREE FROM STONES OR

DEEMED NECESSARY BY THE ARCHTECT. TRENCHING AND BACKFILLING FOR ELECTRICAL AND TELEFANCE VITILITY SERVICES TO BUILDING SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR IN ACCORDANCE WITH UTILITY COMPANY REQUIREMENTS.

2. VERIFY LOCATION OF EXISTING UNDER GROUND UTILITIES PRIOR TO TRENCHING.

PART 2 - PRODUCTS AND EXECUTION

- ALL WRING SHALL BE INSTALLED IN LISTED METALLIC CONDUIT EXCEPT AS PERMITTED BELOW.
 RPC LIMY BE LESED IN ALL AREAS. IMPC MAY BE LESED IN INDOOR LOCATIONS NOT IN CONTACT
 WITH EARTH. BUT MAY BE LESED IN INDOOR LOCATIONS NOT IN CONTACT WITH EARTH, NOT IN
 CONNETIE SLASS OR WALLS AND NOT SUBJECT TO DAMAGE. PAC MAY BE LESED IN OR RELOW
 CONSIDER AND DIRECT BURBOIN DEARTH. FLORIBLE STIBLE COULTY SHALL BE LESED REMOVED.
 RNAL CONNECTIONS TO MECHANICAL EQUIPMENT NOT TO EXCEED 35°, AND RECESSED REMOVABLE. FLUCRESCENT LIGHT FIXTURES NOT TO EXCEED 72". LIQUID-TIGHT FLEXIBLE STEEL CONDUIT SHAL BE FOR OUTDOOR FINAL CONNECTIONS TO EQUIPMENT NOT TO EXCEED 36".
- WHERE THE CONDUIT ENTERS CUTLET BOXES, FIXTURES OR CABINETS, FIRMLY FASTEN BY DOUBLE LOCALITS AND BUSHINGS (ORC AND INC ONLY). FIRMLY FASIEN CONDUIT TO THE BUILDING CONSTRUCTION. RUN EPOSED CONDUIT PARALLEL TO THE BUILDING LINES, SUPPORTED BY APPROPRIATE HANGERS.
- CONER METALLIC CONDUIT IN CONTACT WITH EARTH OR FILL WITH POLYETHMENE TAPE SPIRAL WARPFED, 1/2" LAPFED TO PROVIDE COLDLE THOMESS. TAPE SHALL BE SCOTCH NO. 50 TAPE. CONDUIT AND DUCTS NOT UNDER BUILDINGS AND FEEDER DUCTS SHALL BE INSTALLED PER NEC 300.5, except that the bends in conduit larger than 1" in diameter shall be made with Galvanzed steel conduit treated as noted above. Make joints with compound to be
- conduit sizes shall be as required by code and as indicated or specified on drawings. No conduit smaller than 3/4 inch trade size shall be used.
- PENETRATION THROUGH FLOOR SLASS WHERE SUBJECT TO DAMAGE SHALL BE IN WRAPPED RIGD STEEL SCHEDULE 40 PVC ELBONG AND PENETRATIONS MAY BE USED IN SUAS ON GRADE WHERE PENETRATIONS COOLR IN PROTECTED AREAS (WALLS, ELECTRICAL ROOMS, ETC.).
- Concurs and Cutlets shall be concealed when the Bulding Structure, except that certain motor and lighting feeder concurs have er rin express in certain areas as indicated in the prawners, counters, and casework shall be rin a directed by the architect.
- al condut serving roof mointed equipaint and devices incliding have equipaint, gro mandenage redeptiales and duct the slode detectors shall be routed in the colung space. Conduit shall prefere roof at equarmit locations only. No conduit shall be installed horzontally across roof sufface.
- FLEXIBLE METALLIC AND NON-METALLIC CONDUIT SYSTEMS SHALL HAVE A CODE SIZED COPPER GROUND CONDUCTOR. INCREASE CONDUIT SIZE AS REQUIRED.
- REDIBLE METAL CONDUT/CUT—IN BOYES FOR LOW VOLTAGE SISTEMS (TEL/DATA) WAY EE USED IN WALL CAVITES PROMED THE INSTALLATION COMPUES WITH NEO ARTICLE 348. ALL CONDUIT FOR LOW VOLTAGE WAYNES SISTEMS IN NEW WALL PARTITIONS SHALL EE BUT. REXIBLE METAL CONDUIT FOR THESE SISTEMS IS NOT ACCEPTABLE IN NEW WALLS.
- All Empty conduit systems shall have a 200 pound test pull cord installed to Facilitate installation of future wire.

B. FITTINGS

- ent-fittings and conduit bodies shall be steel, malleable iron or die Cast Compression or set sorew type.
- Inc and gro-shall be steel or maleable iron type and shall engage a minimum of five (5) threads.

C. OUTLET, PULL AND JUNCTION BOXES

- Pull and/or junction boxes shall be installed wherever shown on the drawings or as required by code.
- EACH SWITCH, LIGHT, RECEPTAGE OR OTHER CUTLET SHALL BE PROMDED WITH A CODE CAUCE, CALVANZED STEEL CUTLET BOX. JUNCTION AND PLILEDNESS SHALL BE CODE CAUCE, CALVANZED STEEL. CUTLET BOXES SHALL BE OF THE OVE RICE, INCOMOUT THE, IN CARPIAL "H-MICH SUAPE, 2 1/8-INCH WITH PLASTER RING. PLASTER RINGS SHALL BE SET TO PROMDE NOT MORE THAN 1/8" RROW WILL SHAKE OR RING. IN NO CRES SHALL DESTR RING PROJECT BEYON SUFFACE OF WALL. SHAVE CHARCE RINGS SMALAR TO STEEL OTY SOZIO SHALL BE USED FOR 4" BOSES IN LIPRASED BROX. MADER 180 BOSES WHY BE USED FOR UNFINSHED MASORRY FLUSH WALL CUTLETS. CENTER ALL CUTLET BOYES IN BLOCK CURSE.
- Boes installd in poured coment ploops shall be riush thre cast from with watertight gaseted domers, gray metaluc finish. Where bodes are installed in floops with tile or captet floor coverns, comens shall be of the recessed thre to accommodate the floor coverns.
- BOXES INSTALLED FOR THE ALARM, COMPUTER AND SECURITY SYSTEM SHALL BE PROVIDED WITH APPROPRIATE COMPRIATES.
- PULL BOXES SHALL BE THE TYPES, SIZE AND DESIGN AS APPROVED BY THE NEC FOR THE CLASS OF INSTALLATION REQUIRED.
- PULL BOXES AND CUTLET BOXES SHALL BE SIZED BY THE ELECTRICAL CONTRACTOR AS REQUIRED BY THE NIC BASED ON NUMBER OF CONDUCTORS, YORES, STRAPS, ETC., USED IN THE INSTALLATION.

D. WIRE

- MATCH BUILDING STANDARDS IF APPLICABLE IN AN EXISTING BUILDING CONDITION, UNLESS OTHERWISE FOLLOW THE SPECIFICATIONS BELOW.
- CONDUCTOR SIZES SHOWN ON THE DRAWINGS ARE BASED ON COPPER WIRE UNLESS OTHERWISE SPECIFIED, ALL WIRE SHALL BE: 75 DEGREE C TYPE THAN OR XHHW ALL BRANCH CIRCUIT AND FEEDER WIRING SHALL BE COPPER
- wres shall be marked with color to smplify circuit identification. Unless otherwise required by local ordinances, identification shall be as follows:
 - 120/208V AND 120/240V
 PHASE A: BLACK.
 PHASE B: RED.
 PHASE C: BLUE
 NEUTRAL: WHITE.
 CROUND: GREEN
- THE WIRE SHALL BE #12 AWG UNLESS OTHERWISE INDICATED.
- CONDUCTORS NO. 10 AWG AND SWALLER SHALL BE SOLID. CONDUCTORS LARGER THAN NO. 10 AWG SHALL BE STRANDED.
- MC CABLE MAY BE UTILIZED FOR #10 AND #12 BRANCH CIRCUIT WIRING WITH THE FOLLOWING LIMITATIONS.
- THE INSTALLATION IS IN ACCORDANCE WITH NEC ARTICLE 330.
- MC Cable use is limited to wring within partitions and walls and to connections to and between switches and wring devices.
- MC CABLE IS NOT TO BE USED FOR HOME RUN CIRCUITING. HOME RUN CIRCUITING SHALL BE INDIVIDUAL CONDUCTORS INSTALLED IN EMT CONDUIT.
- NO WRE SHALL BE INSTALLED IN THE CONDUIT SYSTEM UNTIL THE CONDUIT SYSTEM IS COMPLETE USE U.L. APPROVED LUBRICANT TO FACILITATE THE INSTALLATION OF THE CONDUCTORS IN THE CONDUIT SYSTEM.

- 8. HOME RUN SHALL BE DEFINED AS THE PORTION OF THE CIRCUIT FROM THE PANEL TO THE FIRST

E. WIRING DEVICES

- SNTO-ES: WALL SWITCHES SHALL BE SPECIFICATION GRADE AC SLENT TYPE SWITCHES 20A, 120
 277 Volt. H.EBEILL 1221 (SP), 1222 (DP), 1223 (3-Man) and 1224 (4-Wan). Domares
 SHALL BE: SPECIFICATION GRADE WITH PRESET SLIDE CONTROL. COLOR SHALL BE: AS APPROVED By the architect/owner. Match Building Standard (if existing).
- receptacles. Duplex type cutiets shall be heavy duty, specification grade newa 5-20r, 20a, 120v grounded type equal to hebbell isolated ground cutiets shall be equal to hebbell isolated ground cutiets shall be equal to hebbell isolated on plans and without supplier color shall be as indicated on plans and without supplier color shall be as approved by the architect/owner. Match bulding standard (if existing).
- GFO RECEPTACIES. SHALL BE HUBBELL GF5362. GFO RECEPTACIES SHALL BE USED IN ALL OJIDOR APPLICATIONS AS WELL AS THOSE PLACED WITHN 6' OF WATER SOURCE AND ALL OTHER NECESCOPE LICOSTRONS.
- MOUNTING HEIGHTS. SNTCHES +48 INCHES. RECEPTACLES +18 INCHES COMMUNICATION DEWICES +18 INCHES. FIRE ALARM DEWICES 56 REQUIRED BY ADA, NFPA 72 OR AUTHORITY HAVING JURISOCITION. ALL MOUNTING HEIGHTS ARE TO CONTIDENIE OF DEWICE.
- device plates shall be equal to Serra swooth-line plastic wall plates color shall be as approved by the architect/owner match building standard (if existing).
- In all cases, switches controlling lighting are to be located on the strike side of doors. Locations indicated for switches and cutlets are approximate. Owner may make minor relocations at no additional charge.

F. LIGHTING FIXTURES

- Coordinate the Final Location of Fixtures shown diagrammatically on the drawings with other trades in order to avoid interpetences. Relocate fixtures as required as part of the work under this division if New Location is within a five foot radius of incating sports.
- PROVIDE ALL LIGHTING RIXTURES, WRED AND CONECTED. THE DRAWNOS INDICATE THE FIXTURES FOR EACH LOCATION, BECTIFICAL CONTRACTOR SHALL WRIPTY PRIXTURE LOCATIONS, MOUNTING FECUPRATIONS AND LILL. LIGHTING OF ALL RIXTURES PRIOR TO OFFERING. INCLIDE ALL ACCESSORES RECEID FOR A COMPLETE INSTITULATION MOLIDING MOUNTING CUPS, PLASTER PRAHERS, HAVESS AND HANDWING THE MEST BUY. PROVIDE LAMPS FOR ALL RIXTURES. VERFLY CELLING CONSTRUCTION BEFORE OFFERING FECESSED UNITS.
- Adjustable fixtures shall be located and properly aimed as directed by the architect or the lighting designer.
- Support recessed fixtures from ceiling structural support per adopted building codes.
- all fixtures to bear the U. Label. All cuidoor fixtures shall be U.L. Labeled for wet or damp location as defined by NEC article 100.

- LAMPS SHALL BE BY THE SAME MANUFACTURER. LAMPS SHALL BE MANUFACTURED BY GE, PHILLIPS OR USHO.
- Fluorescent Minmum 75 Cri, 3500k, 20,000 rated lawp hours.
- METAL HALIDE MINIMUM 65 CRI, 15,000 RATED LAWP HOURS

6. HIGH PRESSURE SODIUM - MINIMUM 22 CRI, 24,000 RATED LAWP HOURS.

- ELECTRONC, RAPID START, HIGH POWER FACTOR, NORMAL (0.88) BALLAST FACTOR, LESS THAN 20-PERCENT TOTAL HAWKING DISTORTION AND "A" SOUND RATING. COMPACT FILDRESCENE: ELECTRONC, FULLY ENCAPSILATED, 90-FERCENT MINIMAM POWER FACTOR, 20 IN/2 OR HIGHER OFFERATION REGLEDADY, LESS THAN 5-FERCENT FILDGER, LUMP OLBRENT ROSEST FACTOR 6'1 7 OR LESS. THANSENT PROTECTION SHALL COMPLY WITH IEEE (62.4) FOR CATEGORY AL LOCALIONS, INTERFERICE SHALL COMPLY WITH 47 ORR. CHAPTER 1, PART 18, SLEPHRT OF TO HUMINIOS ON ELECTROMAGNETIC AND RADIO HECLENCY NIETHERACE FOR NONCONSLARE EQUIPMENT.
- Outdoor fixtures shall have electronc ballasts rated for 0 degrees F starting temperature.

- Balasts shall comply with ans (82.4, Shall be constant voltage autotransformer high power factor type. Open circuit operation will not reduce average life of Balast.
- THE BALLAST SHALL BE DESIGNED FOR AN AMBIENT OPERATING TEMPERATURE OF 104 DEGREES F AND SHALL START AT MINUS 22 DEGREES F.
- Aumury, instant-on quartz sistem automatically snithes quartz lamp on wen riture is intally dergaze and wen momentary fower quirces coor. Automatically turns quartz lamp off wenh high-intensity-discharee lamp reades affrommatily 60 percent quart quirut.

I. SAFETY SWITCHES

- SAFETY SMITCHES SHALL BE CENERAL DUTY THEE, 250 VOLT FOR 208 VOLT EQUIPMENT AND HEAVY DUTY THEE, 600 VOLT FOR 460 VOLT EQUIPMENT, SAFETY SMITCHES SHALL HAVE THE NUMBER OF POLS REQUIRED. WHE TERMINITION SHALL BE USED AS SPECIFIED BY THE NEC. SAFETY SMITCHES FOR AIR COUNTRIONS USE SHALL BE OF THE FURBLE THE WHEEL SPECIT SPILITED FOR ARE CONTINUOUS USE SHALL BE OF THE FLOBBLE THE WHERE RECOMMENDED BY DOURNEY MANFFACTURER. FLOBEL SWITCHS SPALL ACCEPT CASS. YE RESS OLLY AND WILL REJECT ALL OTHER TYPES. THE SWITCH SIZE, NAMERY OF POLES AND VOLTAGE RETAINS SHALL BE A RECIALIDE BY COOZE AND AS INDICATED ON THE CHANNES. WHERE CUTSIDE THE BULDING, THE SWITCHES SHALL BE TYPE NAMA BY WEATHERPROOF. ALL SWITCHES SHALL BE LOOKABLE.
- PROVIDE NAMEPLATE "SPARE FUSES." INSTALL IN LOCATION AS DIRECTED BY OWNER

- THE SERVICE ENTRANCE EQUIPMENT SZE, VOLTACE AND RATING SHALL BE AS INDICATED ON THE DRAWINGS, PROVIDE COPPER BUSING UNLESS OTHERWISE NOTED OR PERMITTED. EQUIPMENT SHALL CARRY THE U.L. LABEL AND SHALL CONFORM TO THE POWER COMPANY REGULATIONS.
- ELECTRICAL CONTRACTOR IS RESPONSILE TO VERBY AND CONFIRM THAT ECLIPHENT SUBMITTED SHALL RIT WITHIN THE ALLOTTED SPACE REQUIREDWINS SHOWN ON THE FLANS. DRAWN'S NOICHE MAXIMAM DIMESTORS FOR SWITCHEOMORS INCLIDING GLEARAKES BETWEEN SWITCHEOMORS AN ADJACENT SUFFACES AND OTHER TIBLE. COMPLY WITH MAXIMAM DIMESTORS. IF ANY SPACE OR SIZE DESCREAMED SHE ANTICIPABLE IT IS THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER FIRST TO SUBMITTAL. ONCE THE SUBMITTALS HAVE BEEN APPROAD IT IS THE BLECTRICAL CONTRACTOR'S RESPONSIBILITY TO INSTALL THE EQUIPMENT WITHIN THE ALLOTTED SPACE AT NO ADDITIONAL COST TO THE OWNER.
- SERVICE ENTRANCE EQUIPMENT SHALL BE MANUFACTURED BY GENERAL ELECTRIC, SQUARE D, CUTILER—HAMMER, SIEMENS OR APPROVED EQUAL

ALL OMPROURTENT PROTECTION DEVICES AND ELECTRICAL DISTRIBUTION EQUIPMENT SHALL BE FULLY (100%) RATED FOR AVAILABLE FAULT CURRENT INDICATED. SERIES RATED DEVICES ARE NOT ACCEPTABLE

- ALL MOTORS SHALL BE WIRED TO CONFORM WITH MANUFACTURER'S RECOMMENDATIONS AND WITH APPLICABLE COLDES. PLRINGH NEIGESSARY MATERIALS, SUCH AS WIRE, COLDIULT, FITTINGS, ETC. RECLIRED TO COMMENT HONOREM, MOTORS, CONTINUES, ETC. SHALL BE REPURSHED BY BE SUPPLIED OF THE DRIVEN BOURFAINT. HERRY EQUIPMENT LOCATION AND SIZES WITH THE TRADE SUPPLINISH, THE MOTOR REPORT BUSTALLINES THE COUNTITY OF MOTOR REPORT BUSTALLINES.
- Final connection to all hvac or motor loads from load side of disconnect shall be made using copper wire only, allimnum wire not acceptable.

- PROVIDE #6 AWG CU GROUND WIRE FROM EQUIPMENT BACKBOARD TO BUILDING SERVICE GROUND.

Furnish and install Lighting Control Panels, override switches, time switches, Photocells and contactors required for Lighting Control as indicated on the Drawnss_Lighting Control Panel and all associated components shall conform to

- For all communication cutlets provide double gang back box with single gang plaster rics provide 1" comput to 6" abox accessible ceiling with 90" bend and comput tighning in URSS offeringe notife on drawings. For non-accessible ceilings, route conduct to repress accessible ceilings provide can be accessible ceilings space or to repress communication closet. Provide blank cover plates for all unused boxes.
- PROMDE 3/4" FIRE RATED PLYWOOD FOR TELEPHONE TERMINAL BACKBOARD AND PAINT TO MATCH WALL SURFACE. REFER TO DRAWINGS FOR DIMENSIONS OF BACKBOARD.

Fire alaym is not shown on these drawnos. Fire alaym is required as a part of the confractors scope of work. Confractor shall disage the services of a state lighted fire alaym confractor for the deson and institution of a complete and operable fire alaym scotian that complete with all they are can local confinences and required states at the services and required that complete with extension states desonable with scotian scotians. Sistem design and institution shall be comparted with extension shall be comparted with extension shall be compared to the alaym scotian shall be the same managed fire alaym shall be the same managed fire alaym scotian shall be same shall be sa

H2S Engineers Inc. Consulting MEP Engineers Anaheim, CA 92801 Ph: (714) 290-0718 E-mail: mverma@h2sengineers.com

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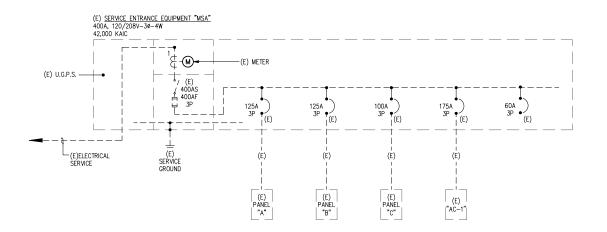
Arch

pan MESA 205

Gills+Panichapan Architects,

ш BII SE

SPECIFICATIONS VALLEY Upgrades PROVIDE DYMO—TAPE TAG INSIDE COVER OF EACH FUSIBLE SWITCH, INDICATING SIZE AND TYPE OF FUSES PROVIDED. arrance for timely delivery of owner supplied materials and equipment to the jobstie. In order to minimze the length of time between delivery and installation b. 277/480V
• PHASE A: BROWN.
• PHASE B: CRANGE.
• PHASE C: YELLOW
• NEUTRAL: GRAY.
• CROUND: GREEN Coep and protect any material which may be affected by the weather while in transit or stored at the project site. Any material found depecting or not installed in accordance with the contract documents may be rejected by the engineer YUCCA - Kitchen fuses shall be dual element time delay type, as manufactured by Bussman MFG. Company, or as indicated or required by the equipment supplied. PRONDE TWO (2) SETS OF THREE (3) SPARE FLSES FOR EACH 9ZE AND TYPE PRONDED ON THIS PROCECT. INSTALL FLSES IN A HINGED DOOR, SHEET METAL STORAGE CARINET EQUIPPED WITH CUPS OR OLDRIQES, EACH MARKED WITH THE 9ZE AND TYPE OF FLSE STORED THEREIN



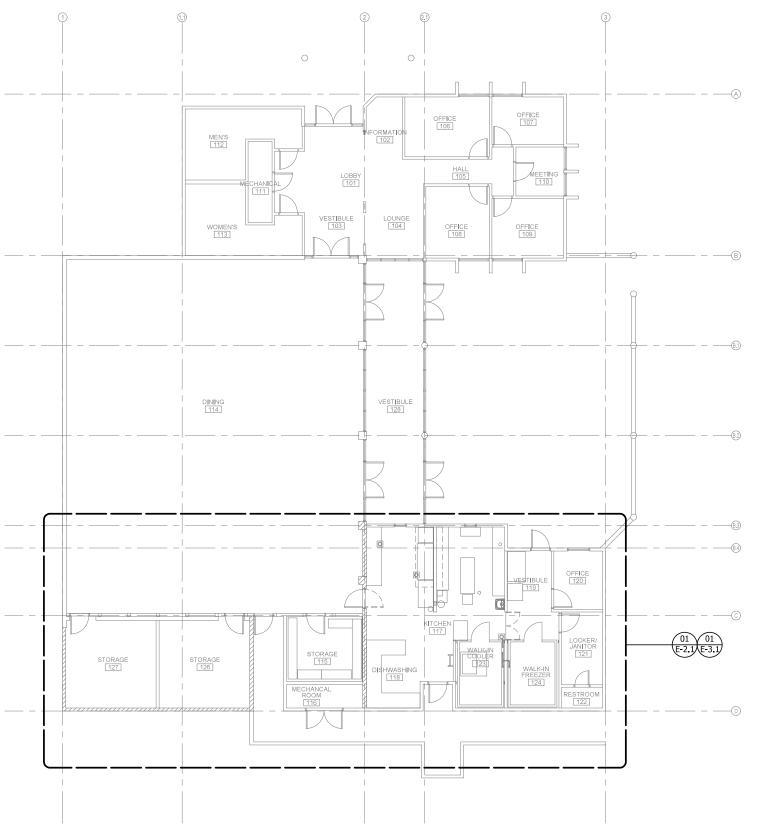
EXISTING SINGLE LINE DIAGRAM SCALE: NONE

0	DESCRIPTION	VOL	T-AMPE	RES	FIF	E C	MI	0 L	R	0 - B	E-R	R	00	M I	EEC	I I	VOL	T-AMPE ØB	RES	DESCRIPTION	1
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H	LIGHTS	720	705	1	F	+		÷	20	3	-	20	1		-				P.	SPARE	+
i	LIGHTS	-	100	600		-		+	20	5	-	20	1	Н	-				700	LIGHTS	+
H	LIGHTS	300	1	000	÷	-		1	20	7		20	1	-			750	1	700	LIGHTS	+
Η	RECEPKITCHEN	300	1200	1		\vdash		÷	20	-	-	20	1	\vdash	-	-	750	1200		RECEPKITCHEN	+
+	RECEP KITCHEN	-	1200	1200	H	+		÷	20	11	1,4	20	1		-			1200	1800	RECEPKITCHEN	+
+	RECEPKITCHEN	900	Í	1200		+		÷	20	1		20	1	-	-		900	1	1000	RECEPKITCHEN	+
+	RECEPKITCHEN	300	1000	1	\vdash	-		+	20	13		20	+	Н	-	-	500	600		RECEPKITCHEN	+
1	REF.	-	1000	1000	-	-		+	20	-		20	2	-	-	-		OUU	1000	REF. COMP	+
H	SPARE	1000	1	1000	-	+		+	20	-		20	-		-		1000	1	1000	HEF. COMP	-
2	FREEZER COMP.	1000	1000	1	-	-		2		19	20	20	-		-		1000	600		FAN COIL	-
-	PREEZER COMP.	-	1000	-	-	-		-	20	-		20	+					600	600	FAN COIL	
	OVEN	800	1	1000	-	1	-	-	200	23	100	-	1	ш	-		800		600	STEAMER	+
Н	OVEN	600	800	1	H	-		2	20	25	100	20	3		-		000	800	r	STEAMER	+
-	HOTTABLE		800			-		1	00	27	-		1		-			800	000	STEAMER	_
П	HOT TABLE	1500	1	1500		-		2	20	29		-	-	ш		-	1		800	SPARE	-
1	- actor	1500			-	-	_	-	-	31		20	1	_							
	SPARE	4. 3			1	-		2	20		-	20	1					900		EF-1	4
1	-	1	T.					-	-	35		20	1				11		900	EF-I	1
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Ц	RECEP KITCHEN		800					1	20	39		20	1					800		RECEP, KITCHEN	
	MIXER			800				1	20	41	42	20	1						1000	REC IRRIGATION COL	III
	VA PER PHASI	6020	5505	6100													4425	4900	6800	VA PER PHASE	
	0.0000000000000000000000000000000000000																10445	10405	12900	TOTAL VA PER PHASE	
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				3142		VA														NOTES	
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	CEILING OUTLETS																2	EXI	STIN	G C.B. WITH NEW LOA	D
	CONV. OUTLETS	-			T	HIS	PAN	EL	SFE	DE	Y:						3				
	MISC OUTLETS	-															4				



E-0.3

BID SET



OVERALL FLOOR PLAN

(F-1.1) Scale: 1/8" = 1'-0"



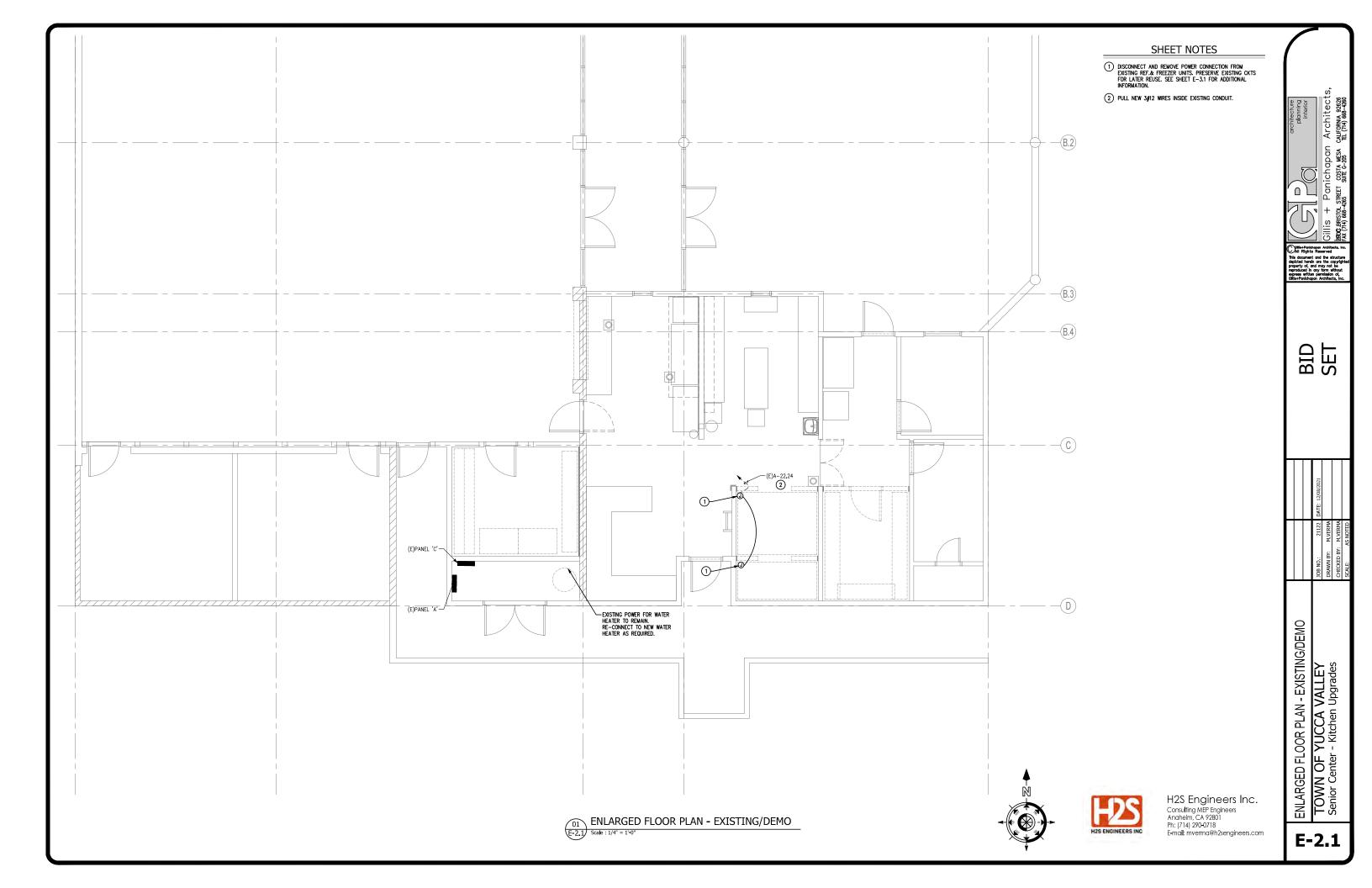


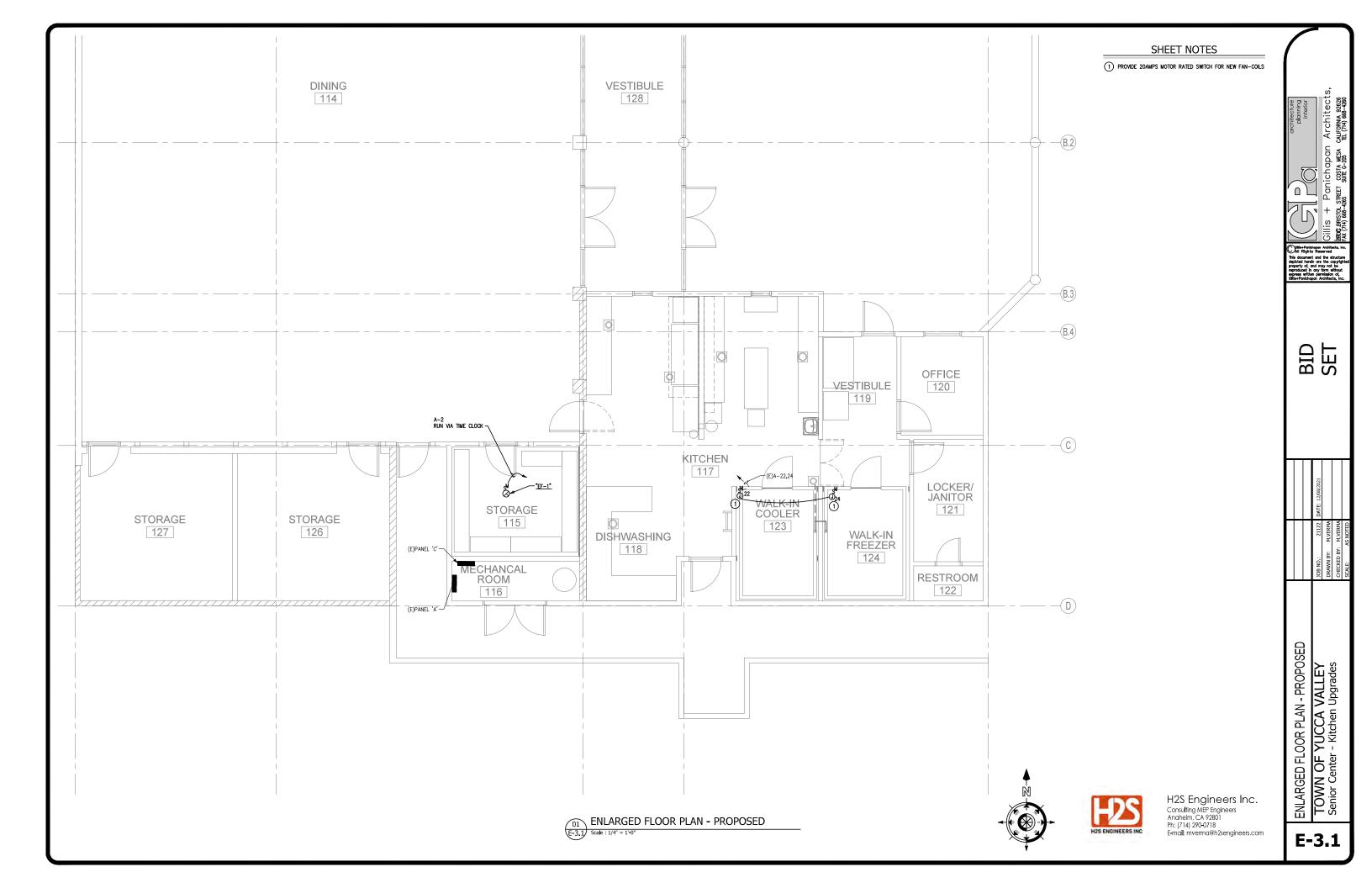
OVERALL FLOOR PLAN

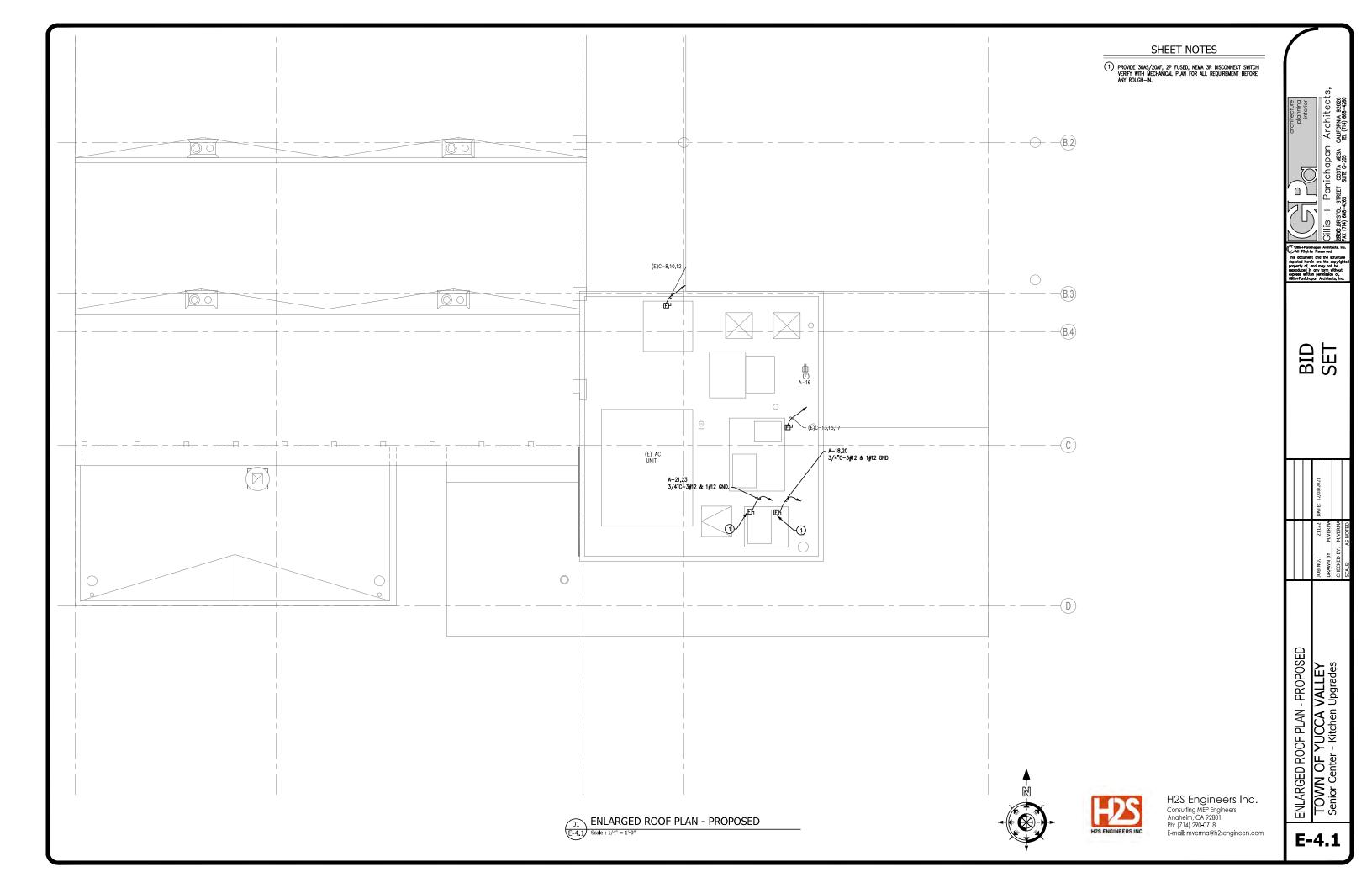
TOWN OF YUCCA VALLEY
Senior Center - Kitchen Upgrades H2S Engineers Inc. Consulting MEP Engineers Anaheim. CA 92801 Ph: (714) 290-0718 E-mail: mverma@h2sengineers.com

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GENERAL NOTES

- ALL DRAWINGS ARE CONSIDERED TO BE PART OF THE CONTRACT DOCUMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL PRAWINGS PROOF TO ANY CONSTRUCTION, INCLUDING STRUCTURAL PLUMBING, AIR CONDITIONING AND ELECTRICAL. ANY DISCREPANCIES THAT OCCUR SHALL BE BROUGHT TO THE ATTENTION OF THE ENGHEET PRIOR TO THE START OF CONSTRUCTION SO THAT A CLARIFICATION CAN BE ISSUED. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT HIS OWN EXPENSE, AND AT NO EXPENSE TO THE OWNER.
- These drawings are diagrammatic. The location & Elevation of all piping is approximate and shall be verified and coordinated with all other trades, structural conditions and building construction prior to start of installation.
- 3. ALL SYMBOLS AND ABBREVIATIONS USED ON THE DRAWINGS ARE CONSIDERED TO BE CONSTRUCTION STANDARDS. IF CLARIFICATION IS REQUIRED, THE CONTRACTOR SHALL NOTIFY ENGINEER PRIOR TO PROCEEDING WITH THE WORK.
- DO NOT SCALE DRAWINGS. ALL DIMENSIONS AND JOB SITE CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE JOB SITE PRIOR TO BID SUBMITTAL, START OF CONSTRUCTION AND/OR FABRICATION OF MATERIALS. VERIFY ALL EXISTING DUCTWORK, PIPING, ELEVATIONS, SIZES AND POINT OF CONNECTIONS PRIOR TO START OF WORK. IF DISCREPANCIES ARE ENCOUNTERED. THE ENGINEER SHALL BE NOTIFIED FOR CLARIFICATION
- THE CONTRACTOR SHALL FURNISH ALL MATERIALS, LABOR, EQUIPMENT, TRANSPORTATION AND SERVICES NECESSARY FOR COMPLETION OF THE WORK. ALL MATERIALS AND WORK SHALL COMPLY WITH APPLICABLE CODES AND GOVERNING REGULATION AND MEET THE APPROVAL OF THE CITY AND STATE FIRE MARSHALL.
- 6. CONTRACTOR SHALL PROVIDE AND BE RESPONSIBLE FOR PROTECTION AND REPAIR OF ADJACENT EXISTING SURFACES AND AREAS WHICH MAY BE DAMAGED AS A RESULT OF DEMOLITION AND/OR NEW WORK.
- FIELD INSPECT THE PROJECT TO BE FULLY INFORMED AS TO THE SCOPE OF WORK AND ALL EXISTING CONDITIONS PRIOR TO STARTING OF WORK. VERIFY ALL EXISTING DUCTWORK, PIPING, ELEVATIONS, SIZES AND POINT OF CONNECTIONS PRIOR TO START OF WORK. NOT ALL CONDITIONS INDICATED ON PLANS.
- ALL DUCTWORK SHALL BE CONSTRUCTED, ERECTED, AND TESTED IN ACCORDANCE WITH THE MOST RESTRICTIVE OF REGULATIONS, PROCEDURES DETAILED IN THE ASHRAE HANDBOOK OF FUNDAMENTALS, OR THE APPLICABLE STANDARDS ADOPTED BY THE SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION
- ALL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS. PROVIDE ALL FITTINGS, TRANSITIONS, DAMPERS, VALVES, AND OTHER DEVICES REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.
- 10. WRAP CONCEALED DUCTS WITH MINIMUM 1 INCH THICK FIRERCLASS DUCTWRAP (ALL SUPPLY DUCT TO HAVE VAPOR BARRIER). ALL NEW SUPPLY AND RETURN DUCT INSULATION WITHIN THE BUILDING TO HAVE MINIMUM 6.0 R-VALUE. INSTALL DOUBLE WALL DUCTS FOR ALL EXPOSED OUTDOOR SUPPLY AND RETURN DUCTS WITH AT LEAST 8.0 R-VALUE INSULATION.
- 11. Insulation applied to the exterior surface of ducts located in Buildings shall INSUCITION PAPELLY IN THE EXTENT SURVIVE OF BOOLS COCASIED IN BOULDINGS SPARL HAVE A FLAME SPREAD OF NOT MORE THAN 25 AND SMOKE DEVELOPED RATING OF NOT MORE THAN 50 WHEN TESTED AS A COMPOSITE INSTALLATION INCLUDING INSULATION, FACING MATERIALS, TAPES AND ADHESIVES AS NORMALLY APPLIED.
- 12. ENTIRE INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE 2019 CALIFORNIA MECHANICAL CODE (C.M.C.), 2019 CALIFORNIA BUILDING CODE (C.B.C.) AND ALL OTHER APPLICABLE CODES AND REGULATIONS.
- 13. INSTALLATION SHALL BE COMPLIANT WITH 2019 CBC SECTION 425, APPLICABLE NFPA CODE SECTIONS AND SECTION 1832A AND CHAPTER 35 OF 2019 CBC.
- 14. MANUFACTURER'S INSTALLATION INSTRUCTIONS SHALL BE MADE AVAILABLE TO THE INSPECTING
- 15. AIR LEAKAGE TESTING SHALL BE PERFORMED BY SMACNA HVAC DUCT LEAKAGE TEST
- 16. USE YOUNG REGULATOR FOR VOLUME DAMPER FOR AT INACCESSIBLE CEILING.
- 17. LINE VOLTAGE WIRING, ALL CONDUIT, DISCONNECT SWITCHES AND FINAL CONNECTION BY ELECTRICAL CONTRACTOR. LOW VOLTAGE CONDUIT AND WIRING AND FINAL CONNECTION BY MECHANICAL CONTRACTOR.
- 18. THE TOTAL SYSTEM AIR BALANCE SHALL BE PERFORMED BY AN INDEPENDENT AGENCY CERTIFIED BY THE AABC OR NEBB. THIS WORK SHALL CONFORM TO AABC OR NEBB SPECIFICATIONS AS REFERRED TO IN THE NATIONAL STANDARDS.
- ALL PIPING AND DUCT WORK SHALL BE INSULATED CONSISTENT WITH THE REQUIREMENTS OF SECTIONS 118, 123, 124, E.E.S. AND TABLE 6D OF 2019 CMC.
- 20. IF THE PROJECT WILL BE CONSTRUCTED IN MULTIPLE PHASES, IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THEIR WORK WITH THE ARCHITECTURAL PHASING PLANS AND ALL OTHER TRADES AND INSTALL IN SUCH A WAY THAT IT DOES NOT AFFECT THE ADJOINING OCCUPIED SPACES AND MESTS ALL OF THE REQUIREMENTS OF CONTRACT DOCUMENTS AND SPECIFICATIONS AS PART OF THE BASE BID.

PER SEC. 609 OF 2019 CMC WHEN REQUIRED, EACH SINGLE SYSTEM PROVIDING HEATING OR COOLING AIR IN EXCESS OF 2000 CUBIC FEET PER MINUTE SHALL BE EQUIPPED WITH AN AUTOMATIC SHUTOFF, AUTOMATIC SHUTOFF SHALL BE ACCOMPLISHED BY INTERRUPTING THE POWER SOURCE OF THE AIR MONING EQUIPMENT DEVICES WHICH WILL DETECT PRODUCTS OF COMBUSTION OTHER THAN HEAT AND WHICH COMPLY WITH THE UBC, SHALL BE LABELED BY AN APPROVED AGENCY FOR AIR DUCT INSTALLATION AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MAINTERCRIPTIES OF INSTALLATION AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. SUCH DEVICES SHALL BE COMPATIBLE WITH THE OPERATING VELOCITIES, PRESSURES, TEMPERATURES AND HUMBITY OF THE SYSTEM WHERE FIRE DETECTION OR ALARM SYSTEMS ARE PROVIDED FOR THE BUILDING, SMOKE DETECTORS SHALL BE SUPERVISED BY SUCH SYSTEMS.

NOTE: FOR THE PURPOSE OF CLEARNESS AND LEGIBILITY, THE DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND ALTHOUGH SIZES AND LOCATIONS OF FOUIPMENT IS DRAWN TO SCALE WHEREVER POSSIBLE, THE CONTRACTOR SHALL MAKE USE OF ALL DATA IN ALL OF THE CONTRACT DOCUMENTS AND VERIFY THIS INFORMATION BEFORE ORDERING, FABRICATING OR INSTALLATION OF ANY MATERIALS.

22. HVAC SYSTEM AND COMPONENTS WILL BE TESTED, ADJUSTED AND BALANCED IN ACCORDANCE WITH AABC'S NATIONAL STANDARDS FOR TOTAL SYSTEM BALANCE 6TH EDITION.

MANDATORY NONRESIDENTIAL CALGREEN REQUIREMENTS

SECTION 5.410 - BUILDING MAINTENANCE AND OPERATION

5.410.4 TESTING AND ADJUSTING, TESTING AND ADJUSTING OF SYSTEMS SHALL BE REQUIRED FOR BUILDINGS LESS THAN 10.000 SQUARE FEFT, APPLIES TO NEW SYSTEMS SERVING ADDITIONS OR ALTERATIONS

5.410.4.2 SYSTEMS. DEVELOP A WRITTEN PLAN OF PROCEDURES FOR TESTING AND ADJUSTING SYSTEMS FOR

- RENEWABLE ENERGY SYSTEMS
- LANDSCAPE IRRIGATION SYSTEMS
- WATER RESCUE SYSTEMS
- G. SYSTEMS TO BE INCLUDED FOR TESTING AND ADJUSTING SHALL INCLUDE, AS APPLICABLE TO THE PROJECT, THE SYSTEMS LISTED IN SECTION 5.410.4.2.

5.410.4.3 PROCEDURES. PERFORM TESTING AND ADJUSTING PROCEDURES IN ACCORDANCE WITH APPLICABLE STANDARDS ON HVAC SYSTEM AND CONTROLS AS DETERMINED BY THE ENFORCING AGENCY.

5.410.4.3.1 HVAC BALANCING. BEFORE A NEW SPACE-CONDITIONING SYSTEM SERVING A BUILDING OR SPACE IS OPERATED FOR NORMAL USE, BALANCE IN ACCORDANCE WITH THE PROCEDURES DEFINED BY NATIONAL STANDARDS LISTED IN SECTION 5.410.4.3.1 OR AS APPROVED BY THE ENFORCING AGENCY.

5.410.4.4 REPORTING, AFTER COMPLETION OF TESTING, ADJUSTING AND BALANCING, PROVIDE A FINAL REPORT OF TESTING SIGNED BY THE INDIVIDUAL RESPONSIBLE FOR PERFORMING THESE SERVICES.

5.410.4.5 OPERATION AND MAINTENANCE (O & M) MANUAL. PROVIDE THE BUILDING OWNER WITH DETAILED OPERATING AND MAINTENANCE INSTRUCTIONS AND COPIES OF GUARANTIES/WARRANTIES FOR EACH SYSTEM PRIOR TO FINAL INSPECTION.

5.410.4.5.1 INSPECTIONS AND REPORTS, INCLUDE A COPY OF ALL INSPECTION VERIFICATIONS AND REPORTS REQUIRED BY THE ENFORCING AGENCY.

5.504.1 TEMPORARY VENTILATION. IF THE HVAC SYSTEM IS USED DURING CONSTRUCTION, USE RETURN AIR FILTERS WITH A MERV OF 13, BASED ON ASHRAE 52.2-1999, OR AN AVERAGE EFFICIENCY OF 30% BASED ON ASHRAE 52.1-1992. REPLACE ALL FILTERS IMMEDIATELY PRIOR TO OCCUPANCY.

5.504.3 COVERING OF DUCT OPENINGS AND PROTECTION OF MECHANICAL EQUIPMENT DURING CONSTRUCTION. AT THE TIME OF ROUGH INSTALLATION AND DURING STORAGE ON THE CONSTRUCTION SITE AND UNTIL STARTUP OF THE HEATING, COOLING AND VENTILATING EQUIPMENT, ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, SHEET METAL OR OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY TO REDUCE THE AMOUNT OF DUST, WATER AND DEBRIS WHICH MAY ENTER THE SYSTEM.

5.504.5.3 FILTERS. IN MECHANICALLY VENTILATED BUILDINGS, PROVIDE REGULARLY OCCUPIED AREAS OF THE BUILDING WITH AIR FILTRATION MEDIA FOR OUTSIDE AND RETURN AIR THAT PROVIDES AT LEAST A MERY OF 13. MERY 13 FILTERS SHALL BE INSTALLED PRIOR TO OCCUPANCY, AND RECOMMENDATIONS FOR MAINTENANCE WITH FILTERS OF THE SAME VALUE SHALL BE INCLUDED IN THE OPERATION AND MAINTENANCE MANUAL.

SECTION 5.506 INDOOR AIR QUALITY

5.506.1 OUTSIDE AIR DELIVERY, FOR MECHANICALLY OR NATURALLY VENTILATED SPACES IN BUILDINGS, MEET THE MINIMUM REQUIREMENTS OF SECTION 120.1 OF THE CALIFORNIA ENERGY CODE AND CHAPTER 4 OF CCR. TITLE 8 OR THE APPLICABLE LOCAL CODE.

5.506.2 CARBON DIOXIDE (CO2) MONITORING, FOR BUILDINGS OR ADDITIONS EQUIPPED WITH DEMAND CONTROL VENTILATION. CO2 SENSORS AND VENTILATION CONTROLS SHALL BE SPECIFIED AND INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CALIFORNIA ENERGY CODE, CCR, SECTION 120(C)(4)

5.508.1 OZONE DEPLETION AND GLOBAL WARMING REDUCTIONS. INSTALLATIONS OF HVAC, REFRIGERATION AND FIRE SUPPRESSION EQUIPMENT SHALL COMPLY WITH SECTIONS 5.508.1.1 AND 5.508.1.2.

5.508.1.1 CFCS, INSTALL HVAC AND REFRIGERATION FOUIPMENT THAT DOES NOT CONTAIN CFCS.

5.508.1.2 HALONS. INSTALL FIRE SUPPRESSION EQUIPMENT THAT DOES NOT CONTAIN HALONS

	SHEET INDEX									
SHT.NO.	DESCRIPTION									
M-0.1	MECHANICAL LEGEND AND NOTES									
M-0.2	MECHANICAL DETAILS									
M-1.1	OVERALL FLOOR PLAN									
M-2.1	ENLARGED FLOOR PLAN - EXISTING/DEMO									
M-3.1	ENLARGED FLOOR PLAN - PROPOSED									
M-4.1	ENLARGED ROOF PLAN - PROPOSED									
	APPLICABLE CODES									

2019 CALIFORNIA BUILDING CODE (CBC)

2019 CALIFORNIA ELECTRICAL CODE (CEC)

2019 CALIFORNIA MECHANICAL CODE (CMC)

2019 CALIFORNIA PLUMBING CODE (CPC)

2019 CALIFORNIA ENERGY STANDARDS CODE (CESC)

WECHANICAL LEGEND								
SYMBOL	ABBV.	DESCRIPTION						
]	sws	SIDEWALL DIFFUSER — SUPPLY						
	CD	CEILING DIFFUSER — SUPPLY						
	CD	CEILING DIFFUSER BELOW DUCT — SUPPLY						
	SAD	RISER — SUPPLY AIR DUCT						
\boxtimes	SAD	DROP - SUPPLY AIR DUCT						
\boxtimes	SAD	ROUND DROP - SUPPLY AIR DUCT						
]	SWR	SIDEWALL REGISTER — RETURN						
	CR	CEILING REGISTER — RETURN						
123	CR	CEILING REGISTER BELOW DUCT — RETURN						
	RAD	RISER — RETURN AIR DUCT						
	RAD	DROP - RETURN AIR DUCT						
]	SWE	SIDEWALL REGISTER - EXHAUST						
	CR	CEILING REGISTER — EXHAUST						
£ Z }	CD	CEILING DIFFUSER BELOW DUCT - EXHAUST						
	EAD	RISER – EXHAUST AIR DUCT						
	EAD	DROP - EXHAUST AIR DUCT						
E	L.	LINED DUCTWORK						
	VD	VOLUME DAMPER						
=	FC	FLEXIBLE CONNECTION						
		NEW DUCT						
		EXISTING DUCT — NEW PLAN						
		EXISTING DUCT — DEMOLITION PLAN						
100		EXISTING MECHANICAL WORK TO BE REMOVED						
▶	FSD	FIRE SMOKE DAMPER						
1" UC 11 =	UC	UNDER CUT DOOR						
Ō	TSTAT	THERMOSTAT						
•	POC	POINT OF CONNECTION						
•	POD	POINT OF DEMOLITION						
	OSA	OUTSIDE AIR						
	UTR	UP THRU ROOF						
S	CSFD	COMBINATION SMOKE/FIRE DAMPER						
F	F	FUSIBLE LINK FIRE DAMPER						
	N.T.S.	NOT TO SCALE						



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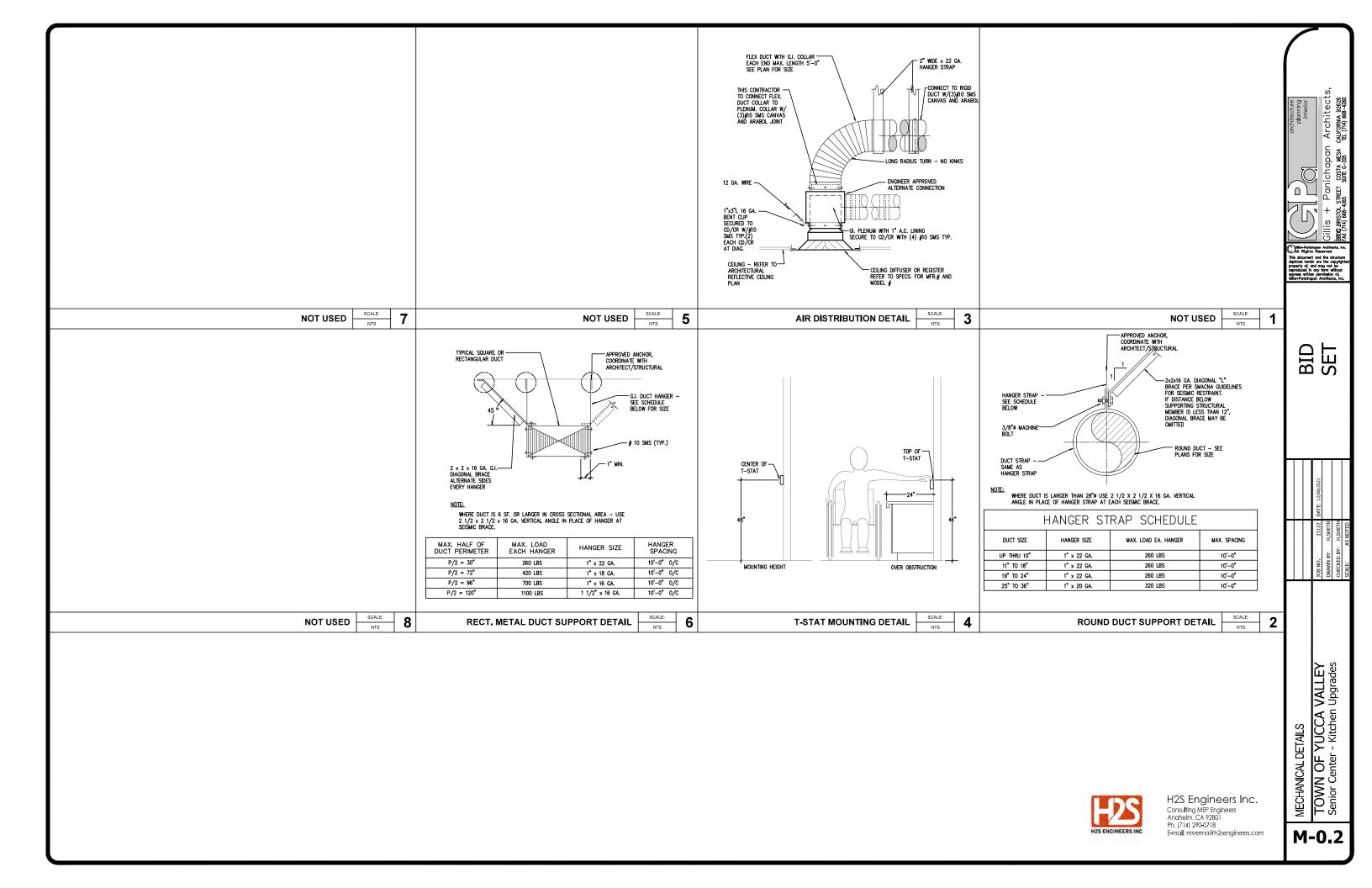
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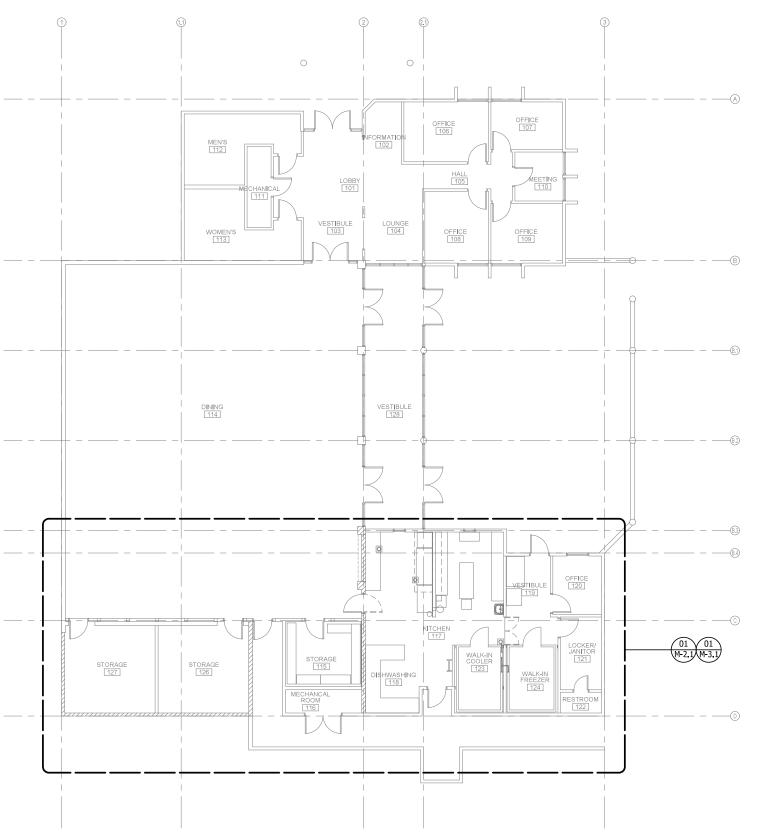
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TOWN OF Senior Center

M-0.1

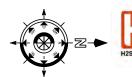
MECHANICAL LEGEND AND NOTES





O1 OVERALL FLOOR PLAN

M-1,1) Scale: 1/8" = 1'-0"



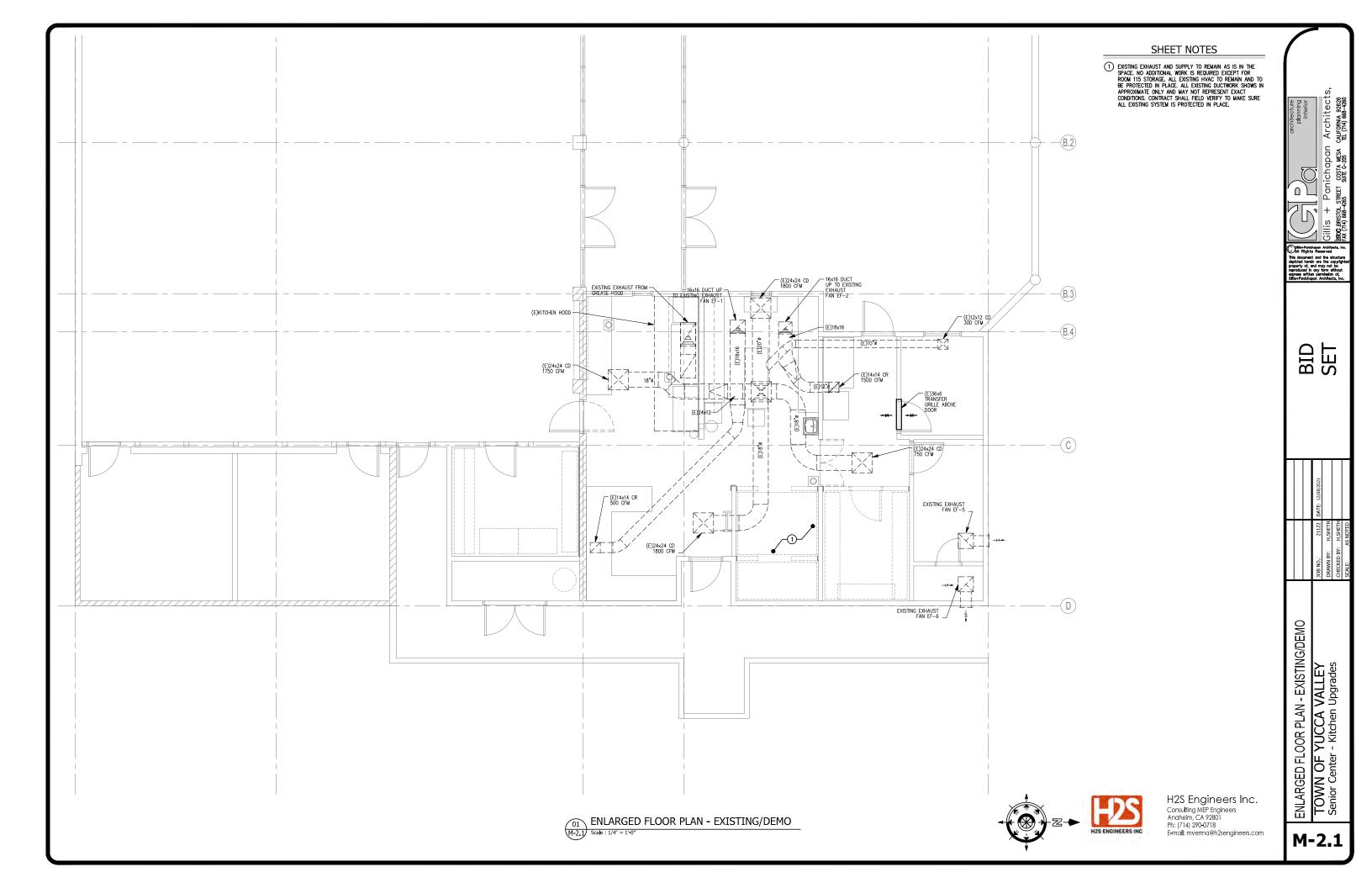


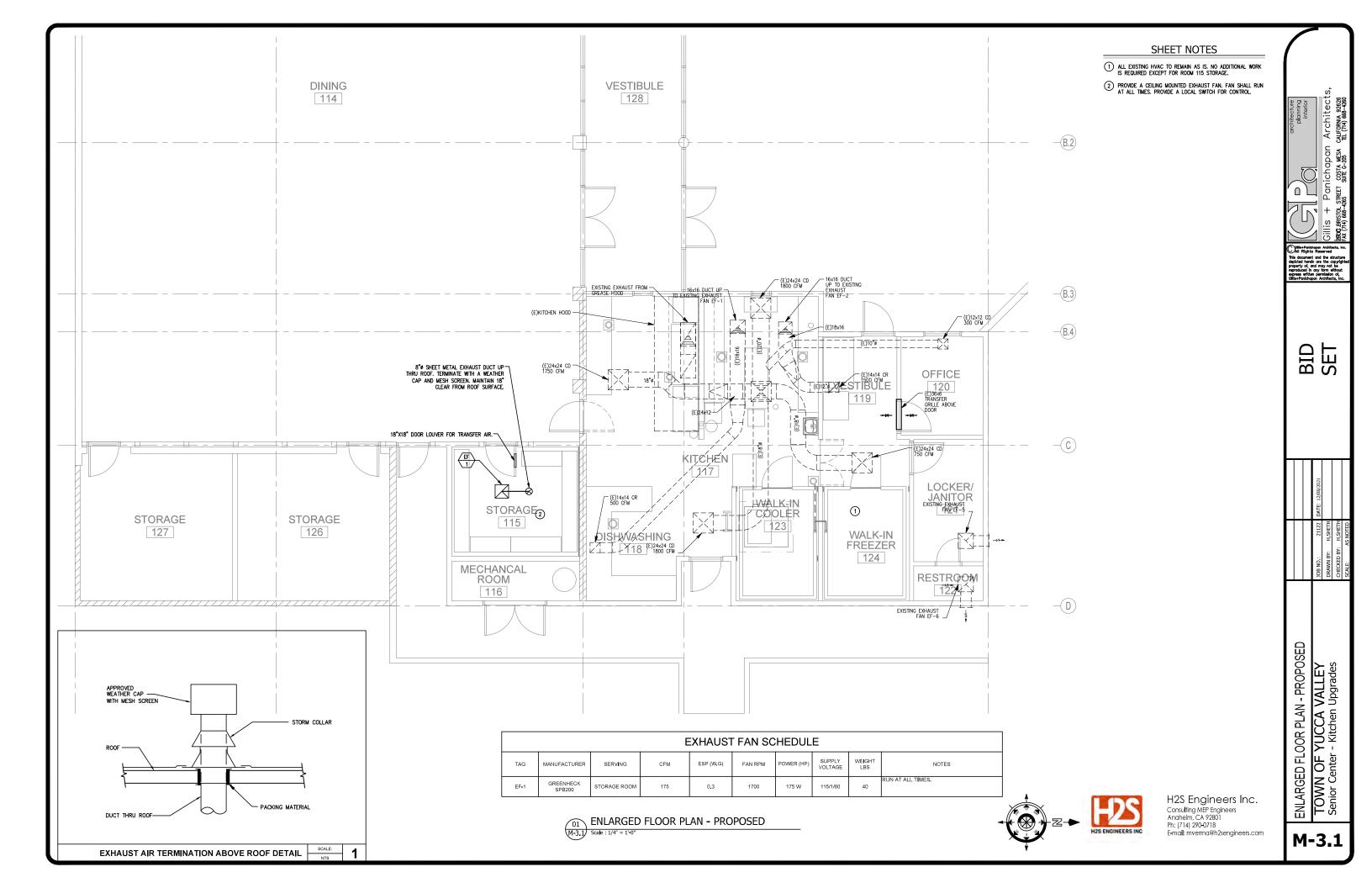
H2S Engineers Inc. Consulting MEP Engineers Andheim, CA 92801 Ph: (714) 290-0718 E-mail: mverma@h2sengineers.com BID SET

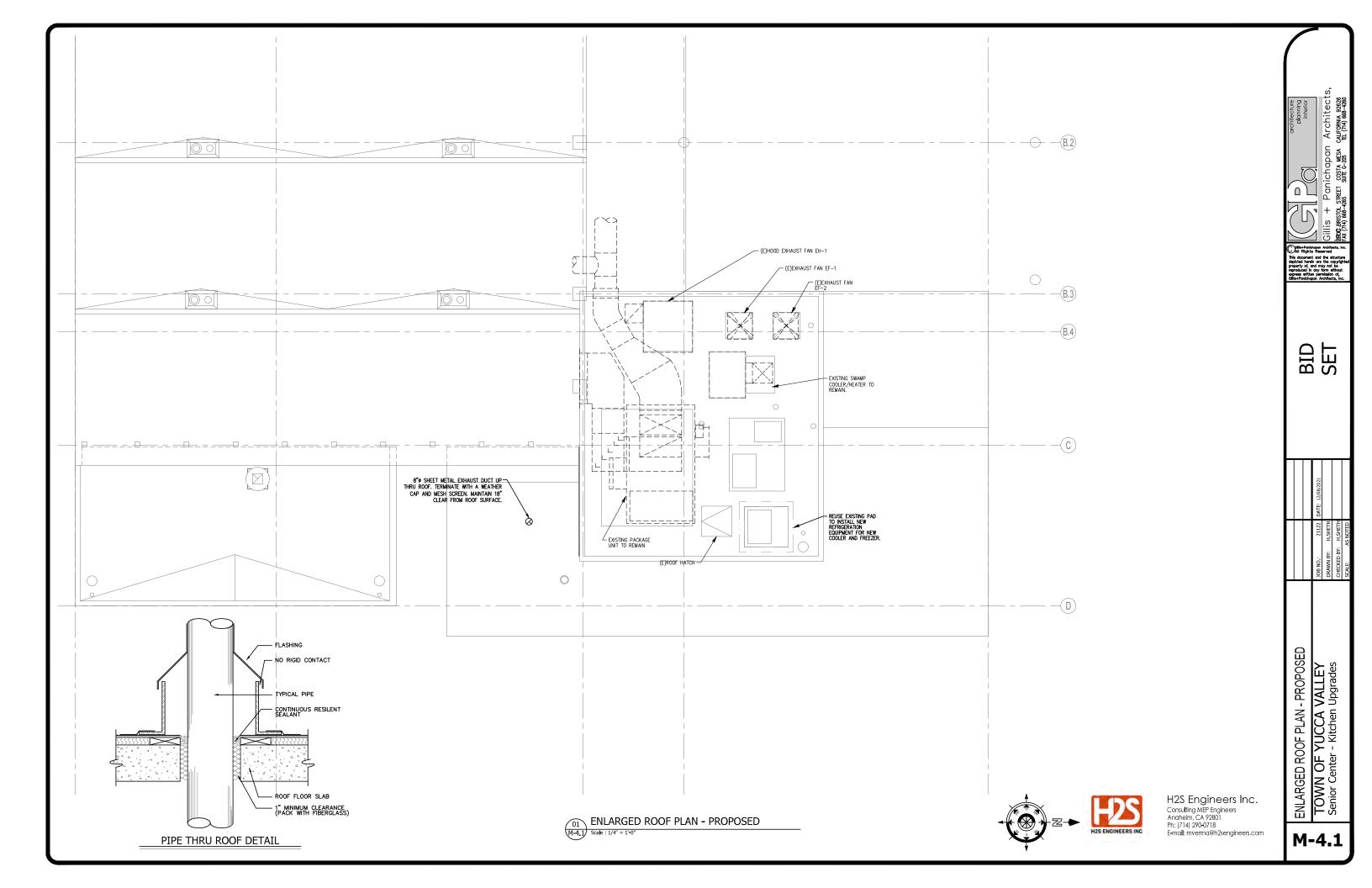
OVERALL FLOOR PLAN

TOWN OF YUCCA VALLEY
Senior Center - Kitchen Upgrades

M-1.1







	PLUMBING FIXTURE SCHEDULE										
MARK	MARK FIXTURE PIPE SIZE			SIZE		DESCRIPTION / REMARKS					
WAIN	TIXTORE	S/W	٧	CW	HW	DESCRIPTION / REMARKS					
FS-1	FLOOR SINK	2"	1-1/2*	1/2"	-	ZURN #1900-25 SANI-FLOOR RECEPTOR, 12x12x6 ACID RESISTING PORCELAIN ENAMEL ARCHITECTURAL AND TOP, CAST IRON BODY, SQUARE SLOTTED LIGHT DUTY GRATE. COORDINATE GRATE CONFIGURATION WITH KITCHEN ROUGH IN PLANS.					
WCO ECO GCO	CLEAN-OUTS	-	-	-	_	WALL CLEAN OUT: "ZURN" MODEL: Z1447 SQUARE, Z1446 ROUND. FLOOR CLEANOUT: "ZURN" MODEL: Z1400-BZ MUST BE FLUSHED TO SURFACE. CLEAN OUT TO GRADE: "ZURN" MODEL: Z1400 MUST BE FLUSHED TO SURFACE. T CLEAN OUT: "ZURN" MODEL: Z1445.					

	GAS FIRED WATER HEATER									
UNIT NO.	MANUFACTURER & MODEL NO.	SERVICE	STORAGE CAPACITY	INPUT BTU/HR	REC ⊕ DEG* △ T (GPH)	INLET	OUTLET TEMP 'F	OPER. WT. LBS.	REMARKS	
GWH-1	A.O. SMITH BTH-199	DOMESTIC HOT WATER	100 GAL	199,900	384 © 60°	60	120	1450	AMTROL ST-12 EXPANSION TANK; PROVIDE WITH CONDENSATE NEUTRALIZER KIT. PROVIDE CONCENTRIC VENT KIT.	

REGULATORY NOTES

FIRE RESISTIVE BUILDING MATERIALS

- A. ALL INSULATING MATERIAL SHALL BE INSTALLED IN COMPLIANCE WITH THE FLAME SPREAD RATING AND SMOKE DENSITY REQUIREMENTS PER CBC REQUIREMENTS.
- B. INSULATION MATERIALS, WHERE CONCEALED AS INSTALLED IN BUILDINGS OF ANY TYPE OF CONSTRUCTION, SHALL HAVE A FLAME-SPREAD RATING OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 450 IN ACCORDANCE WITH 2013
- C. INSULATION, INSULATION JACKET, ADHESIVES, TAPES, ETC. SHALL BE APPLIED PER MANUFACTURERS WRITTEN INSTALLATION INSTRUCTIONS.

A.D.A. COMPLIANCE NOTES

- INSULATE EXPOSED HOT WATER AND WASTE PIPING WITH NEATLY PRE-FORMED INSULATION COVERS BY McGUIRE "PROWRAP", OR EQUAL.
- FIXTURE MOUNTING HEIGHTS FOR THE PHYSICALLY DISABLED SHALL CONFORM TO THE AMERICANS WITH DISABILITIES ACT AND OTHER AUTHORITIES HAVING JURISDICTION.

PIPE MATERIAL SCHEDULE

DOMESTIC WATER PIPING

- A: COPPER TUBING: ASTM B88, TYPE L, HARD DRAWN.
- 1. FITTINGS: ASME B16.18, CAST COPPER ALLOY OR ASTM B16.22, WROUGHT COPPER AND BRONZE.
- 2. MECHANICAL PRESS SEALED FITTINGS: NSF/ANSI 61, DOUBLE PRESSED TYPE AND UTILIZING EPDM SEALING ELEMENT.
- 3. JOINTS: ASTM B32, ALLOY GRADE Sb5 TIN-ANTIMONY, OR ALLOY GRADE Sn95 TIN-SILVER, LEAD FREE SOLDER AWS A5.8 CLASSIFICATION BCuP-3 OR BCuP-4 SILVER BRAZED.

SANITARY SEWER PIPING

- A: CAST IRON PIPE: CISPI 301, HUBLESS, SERVICE EIGHT
- I. FITTINGS: CAST IRON, CISPI 301
- 2. JOINTS: CISPI 310, NEOPRENE GASKETS AND STAINLESS STEEL CLAMP AND SHIELD ASSEMBLIES.

- SEWER AND VENT PIPE (PLASTIC).
 COORDINATE WITH OWNER/CLIENT AND LOCAL JURISDICTION PRIOR TO BIDDING
- 1. BELOW AND ABOVE GRADE INSIDE BUILDING SCHEDULE 40 PVC ASTM D2665. UNDERGROUND INSTALLATION MUST COMPLY WITH ASTM-D2321.

PLUMBING LEGEND

- NOTE: FOR THE PURPOSE OF CLEARNESS AND LEGIBILITY, THE DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND ALTHOUGH SIZES AND LOCATIONS OF EQUIPMENT ARE DRAWN TO SCALE WHEREVER POSSIBLE, THE CONTRACTOR SHALL MAKE USE OF ALL DATA IN ALL OF THE CONTRACT DOCUMENTS AND VERIEY THIS INFORMATION PRIOR TO ORDERING, FABRICATING OR INSTALLING ANY MATERIALS.
- CONTRACTOR SHALL COORDINATE ALL WORK SHOWN ON THESE DRAWINGS AND SPECIFICATIONS WITH ALL DISCIPLINES AND TRADES PRIOR TO SUBMITTAL OF BID AND INSTALLATION OF SYSTEM.
- THE PLUMBING CONTRACTOR SHALL GUARANTEE ALL MATERIALS & LABOR THE PLUMBING CONTRACTOR SHALL GOVERNITE ALL MATERIALS & LABOR (INCLUDING THE COMPLETE PLUMBING SYSTEM) FOR A PERIOD OF ONE YEAR FROM WRITTEN ACCEPTANCE BY THE OWNER. ANY DEFECTS IN MATERIALS & OR LABOR FOUND WITHIN THE GUARANTEE PERIOD SHALL BE REMEDED OR REPAIRED BY THIS CONTRACTOR IN A TIMELY FASHION, AT NO COST TO THE OWNER.
- ALL PLUMBING FIXTURE LOCATIONS (WATER CLOSETS, LAVATORIES ETC.)
 ARE DIAGRAMMATIC & CONTRACTOR SHALL REFER TO ARCHITECTURAL
 DRAWINGS FOR ADA COMPLIANT FIXTURES, EXACT LOCATIONS, MOUNTING
- ANY DEVIATIONS FROM THE DRAWINGS OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER PRIOR TO
- CONTRACTOR SHALL VISIT SITE PRIOR TO SUBMITTAL OF BID AND FAMILIARIZE HIMSELF WITH EXISTING CONDITIONS. SUBMITTAL OF BID WILL VERIFY THAT THE CONTRACTOR HAS VISITED THE SITE.
- PIPING SHALL BE INSTALLED PARALLEL TO BUILDING LINES AND SUPPORTED AND ANCHORED AS REQUIRED TO FACILITATE EXPANSION AND CONTRACTION. THE INSTALLATION SHALL MEET ALL CONSTRUCTION CONDITIONS AND ALLOW FOR THE INSTALLATION OF OTHER TRADES.
- TRAP PRIMERS FOR FLOOR DRAINS AND FLOOR SINKS AND WATER HAMMER ARRESTORS TO BE INSTALLED AS PER THE LISTED PLUMBING CODE AND THE LATEST EDITION OF THE AMERICAN SOCIETY OF SANITARY ENGINEERING (ASSE 1010) SIZING AND INSTALLATION REQUIREMENTS.
- ALL VALVES, TRAP PRIMERS, WATER HAMMER ARRESTORS OR OTHER EQUIPMENT SHOWN IN WALLS OR ABOVE NON-ACCESSIBLE CEILINGS SHALL BE INSTALLED BEHIND AN ACCESS PANEL.
- 10. ALL SERVICE WATER HEATING EQUIPMENT TO BE IN COMPLIANCE WITH THE STATE ENERGY CODE AND 2013 IECC REQUIREMENTS AND LABELED AS
- 1. ALL ITEMS PROJECTING THROUGH THE ROOF SHALL BE FLASHED THROUGH CURBS OR PIPE SEALS A MINIMUM OF 12" ABOVE THE ROOF. THE PIPE CURBS AND SEALS SHALL BE INSTALLED BY THE ROOFING CONTRACTOR. ENSURE THAT AMPLE BOOT OPENINGS ARE PROVIDED TO ACCOMMODATE ANY ELECTRICAL CONDUIT PENETRATIONS REQUIRED FOR POWER.
- 12. CONTRACTOR TO REFER TO PLUMBING FIXTURE SCHEDULE FOR INDIVIDUAL WASTE, VENT & WATER CONNECTION SIZES AT EACH PLUMBING FIXTURE.
- 13. ALL CLEANOUTS SHALL BE INSTALLED WHERE READILY ACCESSIBLE AND LOCATED AS PER CODE REQUIREMENTS. THE CONTRACTOR SHALL COORDINATE ALL CLEAN OUT LOCATIONS WITH EQUIPMENT, MILLWORK, ETC., PRIOR TO INSTALLATION.
- 4. ALL PLUMBING FIXTURE VENTS TO TERMINATE A MINIMUM OF 12 INCHES FROM ANY VERTICAL SURFACE AND 10'-0" FROM OR 3'-0" ABOVE ANY MECHANICAL EQUIPMENT OUTSIDE AIR INTAKE.
- 15. ALL VALVES, UNIONS, ETC. TO BE SAME SIZE AS CONNECTED SUPPLY LINE UNLESS OTHERWISE NOTED ON DRAWINGS.
- 16. UNIONS SHALL BE PROVIDED AND INSTALLED AFTER EACH SCREW-TYPE VALVE AND PRIOR TO EQUIPMENT CONNECTIONS.
- 17. ALL UNDERGROUND METALLIC PIPE AND FITTINGS SHALL BE PROTECTED IN ACCORDANCE WITH THE SOILS ENGINEER'S RECOMMENDATIONS.
- 18. NO PIPING SHALL BE DIRECTLY EMBEDDED IN CONCRETE, MASONRY WALLS, OR CONCRETE FOOTINGS.
- 19. THE PLUMBING CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS FOR ALL POINTS OF CONNECTION WITH THE GENERAL CONTRACTOR AND OTHER TRADES PRIOR TO START OF WORK.
- 20. VERIFY EXACT LOCATIONS, DEPTH AND SIZE OF ALL PIPING TO WHICH CONNECTIONS ARE REQUIRED. COORDINATE ALL CONNECTIONS WITH SITE CONDITIONS AND SITE UTILITY CONTRACTOR/ REPRESENTATIVE.
- ALL HORIZONTAL PIPING LINES EXTENDED AND CONNECTED TO EQUIPMENT SHALL BE RUN AT THE HIGHEST POSSIBLE ELEVATIONS AND NOT LESS THAN 6" ABOVE THE FLOOR TO PROVIDE CLEARANCE FOR CLEANING.
- 22. ALL CUTTING OF EXISTING PAVING, WALKS AND/OR FLOORS SHALL UTILIZE MACHINE SAW CUTTING EQUIPMENT. HOLES FOR PIPES IN CONCRETE WALLS OR FLOORS SHALL UTILIZE CORE DRILLING EQUIPMENT. COORDINATE WITH ARCHITECTURAL DETAILS FOR FLOOR CUTTING AND PATCHING.

23 THE PLUMBING CONTRACTOR IS TO PROVIDE ALL ADDITIONAL STEEL

- HANGER MATERIALS, RODS AND CLAMPS AS REQUIRED FOR COORDINATION WITH WORK OF OTHER TRADES. 24. PIPING LAYOUT IS SCHEMATIC ONLY, EXACT ROUTING AND INSTALLATION OF PIPES TO BE COORDINATED WITH THE BUILDING STRUCTURE AND THE WORK OF OTHER CONTRACTORS.
- 25. NO LIQUID TRANSMISSION PLUMBING PIPING SHALL BE INSTALLED ABOVE ELECTRICAL SWITCH GEAR, EQUIPMENT, OR PANELS. MAKE ADJUSTMENTS NECESSARY TO REROUTE PIPING FOR ACTUAL INSTALLATION OF ELECTRIC
- 26. WHENEVER FOUNDATION WALLS, EXTERIOR WALLS, ROOFS, ETC. ARE PENETRATED FOR THE INSTALLATION OF PLUMBING SYSTEMS, THEY SHALL BE PATCHED TO MATCH EXISTING CONSTRUCTION AND SEALED WEATHER TOLLY.
- 27. PLUMBING CONTRACTOR SHALL BE ON SITE AND PRESENT AT THE DATE OF TURNOVER.
- 28. ALL EXTERIOR EXPOSED WATER PIPING SHALL BE INSULATED AND PVC JACKETED. SEAL JACKET PER MANUFACTURER'S REQUIREMENTS.
- 29. LABEL ALL SHUT-OFF VALVES ABOVE THE CEILING AND IN THE WALL WITH ACCESS DOORS.
- 30. GENERAL CONTRACTOR TO VERIFY PRESSURE ON SITE EARLY TO VERIFY IF BOOSTER PUMPS ARE REQUIRED.

PLUMBING LEGEND										
SYMBOL	ABBREVIATION	DESCRIPTION								
	w	SANITARY WASTE								
	GW	GREASE WASTE								
	v	SANITARY VENT								
	cw	DOMESTIC COLD WATER								
	HW	DOMESTIC HOT WATER								
	HWR	DOMESTIC HOT WATER RETURN								
G	G	LOW PRESSURE GAS								
MPG	MPG	MEDIUM PRESSURE GAS								
——HPG——	HPG	HIGH PRESSURE GAS								
	CD	CONDENSATE DRAIN								
SD	SD	STORM DRAIN								
OD	OD	OVERFLOW STORM DRAIN								
JIL	VTR	VENT THRU ROOF								
<u></u>	SOV	VERTICAL SHUT-OFF VALVE								
	SOV	SHUT-OFF VALVE								
&	PRV	PRESSURE REDUCING VALVE								
φ		PRESSURE GAUGE								
Į į		THERMOMETER								
δ	BV	BALL VALVE								
	cv	CHECK VALVE								
<u></u>	U	UNION								
<u> </u>	WHA	WATER HAMMER ARRESTER WITH ACCESS PANEL								
	TP	TRAP PRIMER WITH ACCESS PANEL								
∘ - - -		PIPE UP								
—с —		PIPE DOWN								
Ø	FCO OR GCO	FLOOR OR GRADE CLEAN OUT								
ØØ	sco	2-WAY SERVICE CLEAN OUT								
I⊢	wco	WALL CLEAN OUT								
+-	НВ	HOSE BIBB								
E —		CAPPED PIPE								
•	POC	POINT OF CONNECTION								
*	POR	POINT OF REMOVAL								
•		FLOOR DRAIN								
	AP	ACCESS PANEL								
	FFE	FINISHED FLOOR ELEVATION								
	IE	INVERT ELEVATION								
	FU	FIXTURE UNIT								
	SHEET	INDEX								
SHEET NO.	DESCRIPTION									
P-0.1	GENERAL NOTES, LEGEND AND SCHEDULES									
P-0.2	PLUMBING DETAILS									
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P-2.1	ENLARGED PLUMBING FLOOR PLAN - DEMO									
P-3.1	ENLARGED PLUMBING FLOOR PLAN - PROPOSED									



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SCHEDULES

LEGEND & (

NOTES,

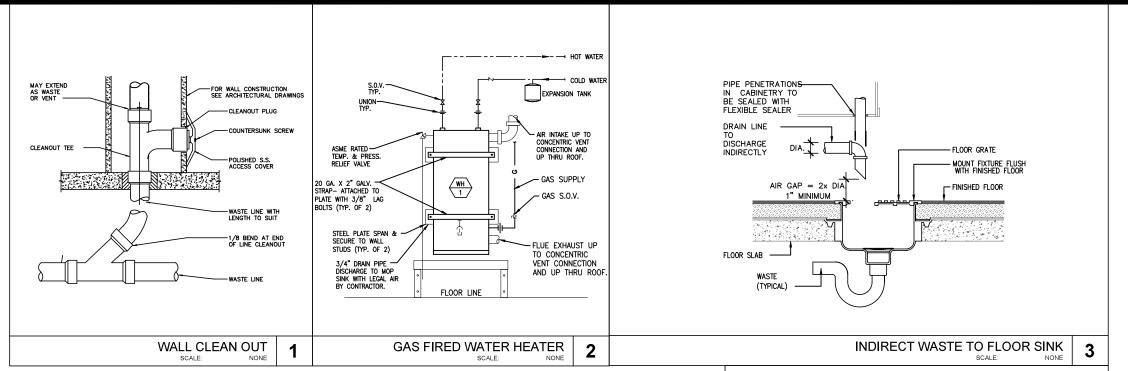
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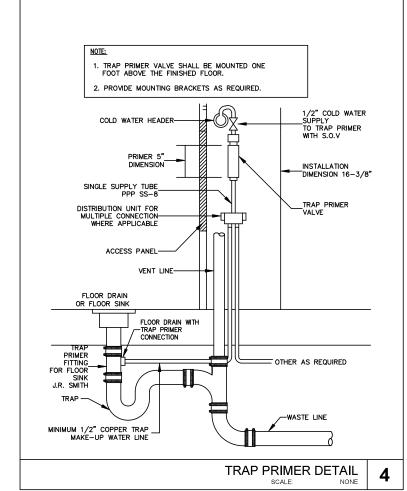
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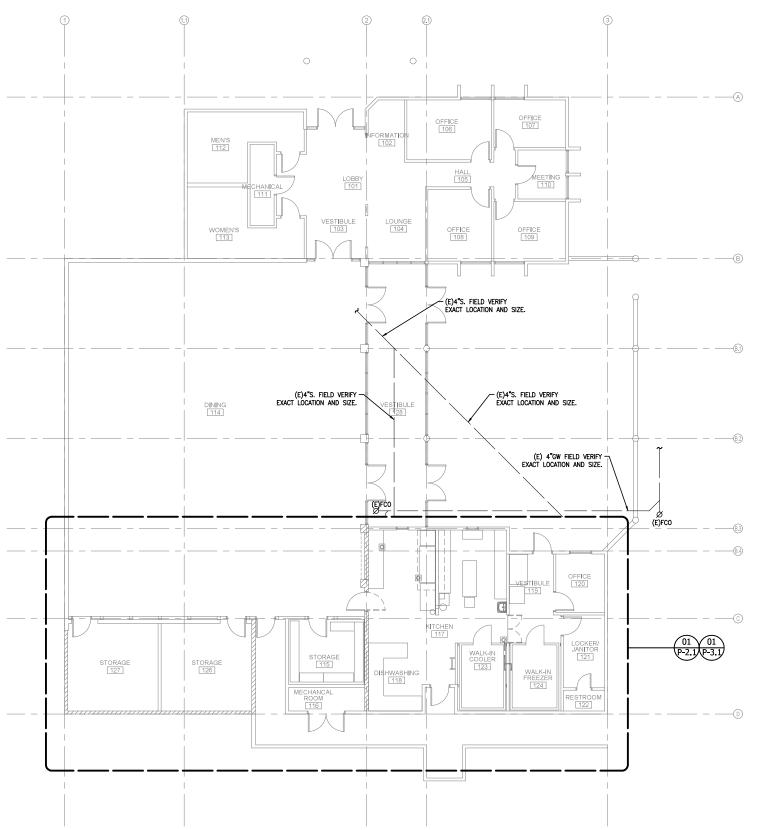


BID SET

PLUMBING DETAILS

TOWN OF YUCCA VALLEY
Senior Center - Kitchen Upgrades

P-0.2



PLUMBING FLOOR PLAN - OVERALL
P-1.1 Scale: 1/8" = 1'-0"





PLUMBING FLOOR PLAN - OVERALL

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