

ABBREVIATIONS ANCHOR BOLT ACCESSIBLE ADJUSTABLE, ADJACENT ABOVE FINISHED FLOOR ACCESS PANEL ARCHITECT, ARCHITECTURAL BLOCKING BEAM B\, BTTM BOTTOM BUILT-UP ROOF CENTERLINE CEILING CONSTRUCTION JOINT CERAMIC MOSAIC TILE DEEP DET, DTL. DETAIL DEMOLISH, DEMOLITION DOUGLAS FIR DOWN DOOR DOWNSPOUT EAST EXISTING EXPANSION JOINT ELECTRICAL ELECTRICAL PANEL EQUAL EACH SIDE EXPANSION, EXPOSED FURNISHED BY OWNER FIRE EXTINGUISHER CABINET FIRE HYDRANT FLOOR FACE OF FACE OF STUD GAUGE GENERAL CONTRACTOR GALVANIZED IRON GYPSUM WALL BOARD GYPSUM WALL BOARD GLAZED WALL TILE HIGH HARDWOOD HOLLOW METAL HEIGHT INCLUDING INSTALL BY CONTRACTOR INSULATION INVERT JOINT LAMINAT MAXIMUN MACHINE BOLT MECHANICAL MANUFACTURER MINIMUM METAL NORTH NEW NOT IN CONTRACT NOT TO SCALE OVER ON CENTER O.C.E.W. ON CENTER EACH WAY POWDER ACTUATED FASTENER PANIC HARDWARE POURED IN PLACE POINT PRESSURE TREATED DOUGLAS FIR PARTITION RADIUS REFLECTED CEILING PLAN R/F, REINF REINFORCING ROOM ROUGH OPENING SOUTH SUSPENDED ACOUS. PANEL SOLID BLOCKING SURFACE BULLNOSE SOLID CORE STAINLESS STEEL SHEATHING SIMILAR STRUCTURAL SYMMETRICAL TELEPHONE TONGUE AND GROOVE THICK TOP OF TYPICAL UNLESS OTHERWISE NOTED VINYL ASBESTOS TILE VAPOR BARRIER VINYL COMPOSITION TILE VERIFY IN FIELD VINYL WALL COVERING WEST, WIDE WITH WITHOUT WHERE OCCURS

WELDED WIRE FABRIC

LIST OF DRAWINGS (55 SHEETS TOTAL)

ARCHITECTURAL

AO.I TITLE SHEET OVERALL SITE PLAN AI.I-ACS OVERALL SITE PLAN -ACS AI.I-FLS OVERALL SITE PLAN -FLS AI.2 PARTIAL SITE PLAN

PLUMBING

LEGEND, SCHEDULE AND NOTES - PLUMBING PART. SITE PLAN - PLUMBING

ELECTRICAL

SYMBOLS, ABBREVIATIONS, CODES, STANDARDS, NOTES & SHEET INDEX SINGLE LINE DIAGRAM & ELECTRICAL DETAILS PART. ELECTRICAL SITE PLAN ELECTRICAL DEMOLITION & POWER PLAN ELECTRICAL SPECIFICATIONS

FIRE ALARM

FIRE ALARM SYMBOLS, EQUIPMENT LIST, OPERATIONAL MATRIX, DETAILS & NOTES FIRE ALARM RISER DIAGRAM, BATTERY & VOLTAGE DROP CALCULATIONS FA3.I FIRE ALARM PLAN FA4.I FIRE ALARM SPECIFICATIONS 12X40 RESTROOM (SILVER CREEK INDUSTRIES, INC. PC 04-119218) COVER SHEET *A-OA T&I FORMS *A-O.O BUILDING OPTIONS SCHEDULE SYMBOLS, LEGEND, ABBREVIATIONS & ADA SIGNAGE *A-0.2 SCHEDULES *A-0.6A CERTIFICATE OF COMPLIANCE FORMS *A-0.6B CERTIFICATE OF COMPLIANCE FORMS *A-0.6C CERTIFICATE OF COMPLIANCE FORMS *A-0.7 ENERGY MANDATORY MEASURES & CAL GREEN SPECS *A-I.OI FLOOR PLAN *A-2.01 REFLECTED CEILING PLAN *A-2.20 CEILING DETAILS, T-GRID *A-3.01 ROOF PLAN *A-3.50 ROOF DETAILS *A-4.01 EXTERIOR ELEVATIONS *A-5.01 CROSS SECTION *A-5.05 CROSS SECTION *A-5.50 ARCHITECTURAL DETAILS *A-5.70 ARCHITECTURAL DETAILS *A-5.81 ARCHITECTURAL DETAILS *A-6.03 INTERIOR ELEVATIONS *F-2.01 CONCRETE FOUNDATION PLAN *F-2.50 CONCRETE FOUNDATION DETAILS *F-2.51 FOUNDATION DETAILS STRUCTURAL SPECIFICATIONS *S-0.I *S-I.OI FLOOR FRAMING PLAN *S-1.50 FLOOR FRAMING DETAILS *S-2.01 ROOF FRAMING PLAN *S-2.50 ROOF FRAMING DETAILS *S-2.60 ROOF FRAMING DETAILS *S-3.01 BUILDING SECTIONS

*S-5.00 FRAMING ELEVATIONS *S-5.10 WALL FRAMING DETAILS *S-5.11 WALL FRAMING DETAILS *P-1.01E PLUMBING PLAN *P-2.01 PLUMBING DETAILS & SCHEDULE *M-O.I MECHANICAL NOTES, SCHEDULE & DETAILS *E-I.OI ELECTRICAL PLAN AND SCHEDULE

NEW TOILET BUILDING AT SPRECKELS SCHOOL

4TH & HATTON AVENUE, SPRECKELS, CA

OWNER

SPRECKELS UNION SCHOOL DISTRICT ERIC TARALLO, SUPERINTENDENT

KASAVAN ARCHITECTS 60 W. MARKET STREET, SUITE 300 SALINAS, CALIFORNIA 93901 831.424.2232

MECHANICAL/PLUMBING

AXIOM ENGINEERS

22 LOWER RAGSDALE DR., SUITE A MONTEREY, CALIFORNIA 93940 831.649.8000



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 APPLICATION NO. <u>CHERRENT HEE NO. 2542</u> APPLICATION NO. <u>CHERRENT NO.</u> APPLICATION NO. <u>CHERRENT NO</u>	FOR ARCHITECTS/ENGINEERS WHO UTILIZE F DRAWINGS, PREPARED BY OTHER LICENSED D	PLANS, INCLUDING BUT NOT LIMITED TO SHOP DESIGN PROFESSIONALS AND/OR CONSULTANTS	 SCOPE OF WORK: DEMOLITION OF (E) 12x40 TOILET BUILDING & RAMPS NEW 12x40 TOILET BUILDING ON CONCRETE FOUNDATION (PC 04-119218) 				
2. CALFORMED BY ME AND 2. CORRENATIONS AND THE INCLUDI SECRETARIANCE 2. CORRENATIONS AND THE INCLUDI SECRETARIANCE 3. CORRENATION NUT IN THANK AND THE INCLUDI SECRETARIANCE 3. CORRENATION NUT IN THANK AND FEEDERAL CONFORMED AS RELIEVABLE FOR CORPORATED STREES, AND EXPONENTIAL INCOME SECRETARIANCE STALL NOTE CONFIRMED AS RELIEVABLE FOR CORPORATED STREES, AND EXPONENTIAL INCOME SECRETARIANCE STREED AS RELIEVABLE FOR CORPORATED STREES, AND EXPONENTIAL INCOME SECRETARIANCE STREED AS RELIEVABLE FOR CORPORATED STREES, AND EXPONENTIAL INCOME SECRETARIANCE STREED AS RELIEVABLE FOR CORPORATED INTO THE CONFORMANCE INTO THE CONFORMANCE STREED AS RELIEVABLE FOR CORPORATED INTO THE CONFORMANCE INTO THE ROLECT LESION INTO AND INFORMATION INTO THE ROLECT FLANG & SECLECATIONS INTO THE PROJECT DESIGN INTO AND INFORMATION INTO THE ROLECT FLANG & SECLECATIONS INTO THE PROJECT DESIGN INTO AND INFORMATION INFORMATIO	APPLICATION NO. <u>QI</u> MITH AN ASTERISK (*) THIS DRAWING, PAGE OF SPECIFICATION HAVE BEEN PREPARED BY OTHER DESIGN P LICENSED AND/OR AUTHORIZED TO PREPARE EXAMINED BY ME FOR: 1) DESIGN INTENT AND APPEARS TO MEE	- <u>II9869</u> FILE NO. <u>27-54</u> THE COVER OR SHEET INDEX, AND MARKED NS/CALCULATIONS PROFESSIONALS OR CONSULTANTS WHO ARE THE SUCH DRAWINGS IN THIS STATE. IT HAS BEEN	 NEW 12x40 TOILET BUILDING ON CONCRETE FOUNDATION (PC 04-II9210) ASSOICATED SITE WORK, PLUMBING, ELECTRICAL, FIRE ALARM PROJECT <u>DOES NOT</u> INCLUDE ASBESTOS ABATEMENT. ALL WORK INDICATED IS INCLUDED IN THE BASE BID U.O.N. ALTERNATES: NONE DEFFERED APPROVAL: NONE DEMOLITION SHALL NOT COMMENCE UNTIL PLANS ARE APPROVED BY DSA. 	The use of th original site for expressly limit any method, i specifications with these plo of the accept	hese plans and specificati for which they were prepa ited to such use. Re-use in whole or in part, is pr remains in the architect ans and specifications shi tance of these restrictions	ons shall be restrict red and publication e, reproduction, or p ohibited. Title to the without prejudice. V all constitute prima is.	ed to the thereof is sublication by a plans and <i>fisual contact</i> facie evidence
In Product PLANS & SPECIFICATIONS ARCHITECT OR BIGINEER IN GENERAL RESPONSIBLE CHANSE INT/2021 SIGNATURE SIGNATURE PETER & KASSAVAN, FALA PRINT NAME CHAPH ATTON DATE ILCENSE NUMBER EXPIRATION DATE EXPIRATION DATE SIGNATURE PRINT NAME CHAPH A SIGNATURE SIGNATURE PRINT NAME CHAPH A SIGNATURE EXPRINTION DATE ILCENSE NUMBER EXPERATION DATE EXPERTION DATE SIGNATURE SIGNATURE	24, CALIFORNIA CODE OF REGULATION PREPARED BY ME, AND 2) COORDINATION WITH MY PLANS AND S INCORPORATION INTO THE CONSTRUCT THE STATEMENT OF GENERAL CONFORMANC OF MY RIGHTS, DUTIES, AND RESPONSIBILITIN EDUCATION CODE AND SECTIONS 4-336, 4-3 (TITLE 24, PART I, SECTION 4-317[b] I FIND THAT: I FIND THAT: I FIND THAT: I FIND THAT: I FIND THAT: I SCARE IN GENERAL CONFORMANCE WITH THE PROJECT DESIGN INTENT, AND I HAS ALL OR PLANTED WITH THE	DNS AND THE PROJECT SPECIFICATIONS SPECIFICATIONS AND IS ACCEPTABLE FOR TION OF THIS PROJECT. THE SHALL NOT BE CONSTRUED AS RELIEVING ME ES UNDER SECTIONS IT302 AMD BII38 PF TJE 341 AND 4-344" OF THE TITLE 24, PART I. EETS LISTED ON THE COVER OR SHEET INDEX, ASTERISK (*) SE IS/ARE IN GENERAL CONFORMANCE WITH THE PROJECT DESIGN INTENT, AND HAS/HAVE BEEN COOPDINATED W/ THE	NOTE TO BIDDERS: 1. THIS PROJECT IS DIVIDED INTO 2 PARTS: - WORK BY SILVER CREEK INDUSTRIES, INC. (SCI). SEE BELOW - ALL OTHER WORK. SEE BELOW 2. DO NOT INCLUDE ANY WORK BY SCI IN YOUR BID. SEE SCI DRAWINGS FOR THEIR SCOPE. SCI WILL WORK DIRECTLY FOR THE OWNER. 3. ALL OTHER WORK SHALL BE INCLUDED IN YOUR BID. SEE PROJECT MANUAL.	NEW STUDENT TOILET BLDC	CKELS UNION SCHOOL	SPRECKELS SCHOO 4TH & HATTON AVENUE, SPRECKE	TITLE SHEET
Ziol.i CADD Xrefs: x 2101.1 BDR File name: D: \JOBS\2101.1\	PROJECT PLANS & SPECIFICATIONS ARCHITECT OR ENGINEER IN GENERAL RESPONSIBLE CHANGE <u>II/IT/2021</u> SIGNATURE DATE PETER J. KASAVAN, FAIA PRINT NAME C-14014 3/31/23 LICENSE NUMBER EXPIRATION DATE	SIGNATURE DATE PRINT NAME LICENSE NUMBER EXPIRATION DATE	 4. SCOPE OF WORK IN THIS BID INCLUDES: SITE PREPARATION SITE UTILITES SITE IMPROVEMENTS SELECT ELECTRICAL ON & INSIDE THE SCI BUILDING. DEMOLITION OF EXISTING TOILET BUILDING. 5. THIS SET USES THE FOLLOWING TERMS: MODULAR BUILDING CONTRACTOR = SILVER CREEK INDUSTRIES, INC. (SCI) SITE CONTRACTOR = CONTRACTOR PERFORMING ALL WORK IN THESE DOCUMENTS, EXCEPT THE SCI SCOPE. 	SHEET N Date: 1 Job	NUMBER A (B NOVEMBER 20	D.1	
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PTN: 66225–10 DSA APPL. NO.: 01-119869 FILE NO.: 27–54



1405 CI.DWG



PARKING TABULATION



<u>GENERAL NOTES</u>	
I. EVERYTHING SHOWN IS (E) TO REMAIN U.O.N.	
2. DSA NOTE: THERE IS NO ON-SITE PARKING AT SPRECKELS SCHOOL. PARKING SHOWN AND INDICATED ON TABLE AT LEFT IS FOR THE DISTRICT OFFICE WHICH IS ON THE SAME SITE AS SPRECKELS SCHOOL.	
<u>KEYED NOTES</u>	
\bigvee PARKING: A (F) VAN ACCESSIBIE PARKING SIGNAGE STRIPING NO CHANGE DSA #01-105465	TS
B. (E) ACCESSIBLE PARKING & SIGNAGE, NO CHANGE, DSA #65455 (E) TOW-AWAY SIGN NO CHANGE DSA #01-105465	1424.
4 ACCESSIBLE DROP-DEE ZONE NO CHANGE DSA#01-104915	Califor 831.
	has, c
 A. (N) STUDENT RESTROOM, THIS APPLICATION, SEE SHEET AI.2 & MFR'S DWGS. B. (E) STUDENT RESTROOM, NO CHANGE. DSA#0I-I05866 C. (E) STAFF TOILET, NO CHANGE. DSA#0I-I04915 D. (E) STAFF TOILET, NO CHANGE. DSA#0I-I05866 E. (E) STAFF TOILET, NO CHANGE. DSA#2301 F. (E) STAFF TOILET, NO CHANGE. DSA#37406 G. (E) STAFF TOILET, NO CHANGE. DSA#26330 H. (E) STAFF TOILET, NO CHANGE. DSA#0I-I05465 J. HEALTH & ADMIN. TOILET, NO CHANGE. DSA#0I-I14576. K. STUDENT TOILET, NO CHANGE. DSA#0I-I14576. 	VAN ARC it St., Suite 300 Salir F
 DRINKING FOUNTAINS A. (E) DRINKING FOUNTAIN, NO CHANGE, DSA#OI-IO49I5 B. (E) DRINKING FOUNTAIN, NO CHANGE, DSA#OI-IO5866 C. (E) DRINKING FOUNTAIN, NO CHANGE, DSA#OI-II4576. 	D W. Mark oice 83
A. (E) SITE RAMP, NO CHANGE. DSA #2301 & #01-114576 B. (E) SITE RAMP, NO CHANGE. DSA #01-114576	
(E) WHEELCHAIR LIFT, NO CHANGE. DSA #01-104915	STECT * VINde
(E) DROP-OFF / LOADING ZONE, NO CHANGE, DSA #01-104915	A A RC HARA
Q CURB RAMP A. (E) CURB RAMP, NO CHANGE, DSA#01-104915	HE STATE
B. (E) CURB RAMP, DSA#01-114576.	
LEGEND	
 PATH OF TRAVEL (P.O.T.), AS INDICATED ON PLAN IS A BARRIER-FREE ACCESS ROUTE WITHOUT ABRUPT LEVEL CHANGES EXCEEDING ¹/₂" IF BEVELED AT I:2 MAXIMUM SLOPE OR VERTICAL LEVEL CHANGES NOT EXCEEDING ¹/₄" MAXIMUM AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM AND SLIP-RESISTANT. CROSS-SLOPE SHALL NOT BE STEEPER THAN I:48 AND SLOPE IN THE DIRECTION OF TRAVEL SHALL NOT BE STEEPER THAN I:20. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM AND FREE OF OBJECTS PROTRUDING MORE THAN 4" FROM THE WALL, ABOVE 21" AND LESS THAN 80" ABOVE THE FLOOR. ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL. <u>DSA PR I5-OI</u>: THE P.O.T IDENTIFIED, MEETS THE REQUIREMENTS OF THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE P.O.T. WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WERE DETERMINED TO BE NON-COMPLIANT WITH THE CBC HAVE BEEN IDENTIFIED AND THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLICABLE CHEVE WORK NECESSARY TO BRING THEM INTO COMPLICE UNDER WISH WILLINED TO BENDAL COMPLIANT WITH THE CBC HAVE BEEN IDENTIFIED AND THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANT WICH UNDER WISH THE METS IN THE OPEN DESIGN OF THE PLOTE WORK NECESSARY TO BRING THEM INTO COMPLIANT WICH UNDER WISH WISH THE COMPLEX OF THE DEDIFIED AND THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANT WICH UNDER WISH WISH THE CENT OF THE DEDIFIES OF THE OPEN THAT THERE ARE DETERMINED TO BE NON-COMPLIANT WITH THE CBC HAVE BEEN IDENTIFIED AND THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLICE THE OPEN THE OPEN	STNTINGO NO. DESCRIPTION DATE
COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE INDICATED IN THESE CONSTRUCTION DOCUMENTS.	The use of these plans and specifications shall be restricted to the original site for which they were prepared and publication thereof is expressly limited to such use. Re-use, reproduction, or publication by any method, in whole or in part, is prohibited. Title to the plans and
DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CBC COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THE ITEMS SHALL BE BROUGHT INTO	with these plans and specifications shall constitute prima facie evidence of the acceptance of these restrictions.
COMPLIANCE WITH THE CBC AS PART OF THIS PROJECT BE MEANS OF A CONSTRUCTION CHANGE DOCUMENT.	NEW STUDENT TOLET BLDG FOR: SPRECKELS UNION SCHOOL DISTR AT AT TAT TAT TAT TAT TAT TAT
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DSA APPROVAL





Xrefs: x 2101.1 BDR



PLUMBING SPECIFICATION

- 1. <u>SCOPE</u>: PROVIDE PLUMBING SYSTEMS, INCLUDING ALL LABOR, EQUIPMENT, MATERIALS AND SERVICES.
- 2. <u>COORDINATION</u>: COORDINATE WITH GENERAL CONTRACTOR AND ALL OTHER TRADES.
- 3. <u>CODES</u>: THIS WORK SHALL CONFORM TO ALL LOCAL CODES, CALIFORNIA BUILDING CODE, CALIFORNIA MECHANICAL CODE AND CALIFORNIA PLUMBING CODE.
- 4. <u>FEES</u>: CONTRACTOR SHALL PAY ALL FEES IN CONNECTION WITH THIS WORK. CONNECTION CHARGES BY OWNER.
- 5. DRAWINGS: DRAWINGS ARE SCHEMATIC. ALL EQUIPMENT LOCATIONS SHALL BE VERIFIED IN THE FIELD AND APPROVED BY ARCHITECT.
- 6. <u>CUTTING</u>: REPAIR ALL SURFACES CUT IN THIS WORK TO MATCH ORIGINAL. NO CUTTING OF STRUCTURAL ELEMENTS IS ALLOWED WITHOUT PRIOR WRITTEN CONSENT OF THE STRUCTURAL ENGINEER.
- 7. <u>MAINTENANCE</u>: ALL EQUIPMENT SHALL BE ACCESSIBLE FOR MAINTENANCE.
- 8. <u>GUARANTEE</u>: ALL WORKMANSHIP, EQUIPMENT AND MATERIALS SHALL BE GUARANTEED FOR ONE YEAR AFTER DATE OF ACCEPTANCE.
- 9. <u>SUBMITTALS</u>: WITHIN 15 DAYS AFTER SIGNING A CONTRACT, PROVIDE SUBMITTALS ON ALL PLUMBING EQUIPMENT.
- 10. <u>STRUCTURAL</u>: CONTRACTOR SHALL CONSULT AND OBTAIN DIRECTION FROM THE STRUCTURAL ENGINEER ON STRUCTURAL SUPPORT OF ALL PLUMBING EQUIPMENT.
- 11. TESTING, ADJUSTING, AND CLEANING: TEST ALL PIPING, VALVES, CLEAN OUTS, ETC. AS LISTED BELOW AND PROVIDE THE ARCHITECT WITH CERTIFIED COPIES OF TEST RESULTS. THE INSPECTION AUTHORITY HAVING JURISDICTION AND THE SUPERVISING ARCHITECT SHALL BE NOTIFIED AT LEAST 24 HOURS PRIOR TO PERFORMANCE OF ALL TESTS SO THAT THEY MAY BE WITNESSED.

ALL WATER PIPING SHALL BE TESTED TO 100 PSIG WITH POTABLE WATER AND HELD FOR 2 HOURS WITHOUT DROP IN PRESSURE BEFORE IT IS COVERED AND CONCEALED. EQUIPMENT AND PERSONNEL SHALL BE PROTECTED FROM THIS TEST PRESSURE.

ALL PARTS OF THE SOIL, WASTE AND DRAINAGE SYSTEM SHALL BE TESTED HYDRAULICALLY BY FILLING TO THE HIGHEST VENT POINT WITH WATER. PIPING MAY BE TESTED IN SECTIONS BUT SHALL BE SUBJECTED TO A HEAD NOT LESS THAN 10 FEET. STAND PIPE INSTALLED FOR A HEAD TEST SHALL BE 2 INCH MINIMUM. TEST PRESSURE SHALL BE HELD FOR 15 MINUTES BEFORE INSPECTION STARTS AND WATER LEVEL SHALL REMAIN STATIONARY FOR NOT LESS THAN 1 HOUR.

ADJUST AND REGULATE ALL FAUCETS, VALVES, WATER HEATING EQUIPMENT, ETC. AND TURN OVER TO THE OWNER IN PERFECT WORKING ORDER.

FLOOR DRAIN STRAINERS AND CLEAN OUT COVERS SHALL BE FREED, CLEANED AND POLISHED.

UPON COMPLETION OF THE WORK, CLEAN ALL EQUIPMENT AND PIPING INSTALLED UNDER THIS SECTION AND THOROUGHLY WASH AND POLISH ALL PLUMBING FIXTURES, FITTINGS AND TRIM, REMOVING LABELS THEREFROM.

- 12. VERIFICATION OF EXISTING CONDITIONS: IT SHALL BE ONE OF THE RESPONSIBILITIES UNDER THIS SECTION TO EXAMINE THE SITE OF WORK AND, AFTER INVESTIGATION, TO DETERMINE THE CHARACTER OF THE MATERIALS TO BE ENCOUNTERED AND THE EXISTING CONDITIONS AFFECTING THE WORK.
- 13. <u>EXCAVATION AND BACKFILLING</u>: EXCAVATION SHALL BE UNCLASSIFIED AND SHALL INCLUDE THE REMOVAL OF ALL BURIED OBSTRUCTIONS WITHIN THE AREA TO BE EXCAVATED. TRENCH TO REQUIRED DEPTHS. TRENCH TO BE FREE OF WATER.

TAMP BOTTOM OF TRENCH. EXCAVATE BELL HOLES SO PIPE SHALL REST FOR ENTIRE LENGTH ON SOLID GROUND. REMOVE ALL ROCKS AND TAMP AND COMPACT 1/2" TO 1-1/2" BROKEN STONE OR GRAVEL SAND ON BOTTOM OF TRENCH BEFORE LAYING PIPE. INSTALLED PIPING TO BE TESTED, INSPECTED AND APPROVED FOR BACKFILL MATERIAL. MATERIAL: IMPORTED SANDY SOIL IN LAYERS NOT EXCEEDING 8". MOISTEN AND MACHINE TAMP TO ORIGINAL CONDITION. BACKFILL SHALL BE COMPACTED TO A DENSITY OF 95% AS DETERMINED BY THE LABORATORY TEST PROCEDURE IN ASTM D1557.

4. <u>STERILIZATION</u>: BEFORE BEING PLACED IN SERVICE, ALL DOMESTIC COLD WATER DISTRIBUTION SYSTEMS SHALL BE STERILIZED IN ACCORDANCE WITH THE AWWA STANDARD SPECIFICATION, LATEST EDITION AND AMENDMENTS. AFTER STERILIZATION, THE SYSTEM SHALL BE FLUSHED WITH POTABLE WATER UNTIL THE STERILIZATION RESIDUE IS WITHIN THE TOLERABLE LIMITS FOR DOMESTIC WATER.

MATERIALS: SOIL, WASTE AND DRAIN PIPING BELOW GRADE, 5'-0" OUTSIDE OF BUILDING, TO CONNECTION TO EXISTING SANITARY SEWER SHALL BE PVC SCHEDULE 40 WITH SOLVENT WELD JOINT OR CAST IRON WITH M.G. COUPLINGS.

WATER PIPING: HARD COPPER WATER TUBE, CONFORMING TO ASTM B88 TYPE "L" ABOVE GROUND, WITH WROUGHT COPPER FITTINGS.

- 15. ADHESIVES, SEALANTS AND CAULKS USED INDOORS SHALL NOT EXCEED THE FOLLOWING VOC LIMITS PER TITLE 24, PART 11, SECTION 5.504.
 - PVC WELDING < 510 G/L
 - CPVC WELDING < 490 G/L
 ABS WELDING < 325 G/L
 - MASTICS > 100 G/L
 - ZINC-RICH PRIMERS < 340 G/L
 FIRE RESISTANT COATINGS < 350 G/L

PIPE MAT	TERIAL SCHEDULE
ТҮРЕ	MATERIAL
SEWER AND VENT	ABS OR PVC, SCHEDULE 40 (SOLID CORE)
WATER	TYPE 'L' COPPER (ABOVE GROUND) PVC, SCHEDULE 40 (OUTSIDE BUILDING)

DSA GENERAL NOTES

- THE INTENT OF THE CONTRACT DOCUMENTS IS TO CONSTRUCT A NEW BUILDING. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS, A CONSTRUCTION CHANGE DOCUMENT DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK.
- 2. LATERAL SUPPORT FOR PIPE AND DUCTS TO COMPLY WITH SMACNA "GUIDELINES FOR SEISMIC RESTRAINTS OF MECHANICAL SYSTEMS AND PLUMBING SYSTEMS".
- THE SEISMIC SUPPORT AND ANCHORAGE OF THE EQUIPMENT DESCRIBED ON THESE DRAWINGS HAVE BEEN ENGINEERED BY THE ENGINEER OF RECORD FOR CONFORMANCE WITH APPROPRIATE BUILDING CODES. THE ENGINEER OF RECORD WAS NOT RESPONSIBLE FOR THE EQUIPMENT DESIGN.
- 4. ALL MECHANICAL AND PLUMBING EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE CRITERIA FROM CHAPTER 16A CALIFORNIA BUILDING CODE (CBC) 2020.
- 5. WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS, THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER AND THE FIELD REPRESENTATIVE OF THE DIVISION OF THE STATE ARCHITECT.
- MEP COMPONENT ANCHORAGE NOTE

6. SMOKE DETECTORS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 72.

ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2020 CBC, SECTIONS 1615A.1.18 THROUGH 1615A.1.26 AND ASCE 7-10 CHAPTER 13, 26 AND 30.

- 1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
- 2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER
- 3. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE ATTACHMENT OF THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT TO BE DETAILED ON THE PLANS. THOSE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.

- A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
- B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE:

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.5.6, 13.6.7, 13.6.8, AND 2020 CBC, SECTIONS 1616A.1.24, 1616A.1.25, AND 1616A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G., SMACNA OR OSHPD OPM), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

- MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E): MP X MD X PP X E - OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.
- MP MD PP E OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM:)

MP MD PP E - OPTION 3: SHALL COMPLY WITH THE SMACNA SEISMIC RESTAINT MANUAL, OSHPD EDITION (2009), INCLUDING ANY ADDENDA. FASTENERS AND OTHER ATTACHMENTS NOT SPECIFICALLY IDENTIFIED IN THE SMACNA SEISMIC RESTAINT MANUAL, OSHPD EDITION , ARE DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS. THE DETAILS SHALL ACCOUNT FOR THE APPLICABLE SEISMIC HAZARD LEVEL AND CONNECTION LEVEL FOR THE PROJECT CONDITIONS.

LIST OF GOVERNING CODES:

- 2019 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24, C.C.R.
- 2019 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24, C.C.R. 2019 CALIFORNIA ELECTRICAL CODE, PART 3, TITLE 24, C.C.R.
- 2019 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24, C.C.R.
- 2019 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24, C.C.R. 2019 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24, C.C.R.
- 2019 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24, C.C.R.
- 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE, PART 11, TITLE 24, C.C.R. 2019 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24, C.C.R.
- TITLE 19, C.C.R., PUBLIC SAFETY, STATE FIRE MÁRSHAL RÉGULATIONS.
- ALL SECTION NUMBERS BELOW REFER TO GROUP 1, CHAPTER 4, PART 1, TITLE 24, C.C.R.
 ADDENDA, CONSTRUCTION CHANGES PER SECTION 4-338.
 INSPECTOR APPROVED BY DSA. INSPECTOR AND CONTINUOUS INSPECTION OF WORK PER
- SECTION 4-333(b) AND 4-342.
- TESTS AND TESTING LABORATORY PER SECTION 4-335.
 SPECIAL INSPECTION PER SECTION 4-333(c).
- 5. CONTRACTOR SHALL SUBMIT VERIFIED REPORTS PER SECTION 4-336 AND 4-343(c).
- 6. ADMINISTRATION OF CONSTRUCTION PER PART 1, TITLE 24, C.C.R. DUTIES OF ARCHITECT, STRUCTURAL ENGINEER OR PROFESSIONAL ENGINEER PER SECTION 4-333(a) AND 4-341.
- GOVERNING CODES: TITLE 24.
 A COPY OF PARTS 1, 2, 3, 4, AND 5 OF TITLE 24 SHALL BE KEPT AVAILABLE IN THE FIELD DURING
- CONSTRUCTION. 9. DSA SHALL BE NOTIFIED OF START OF CONSTRUCTION PER SECTION 4-331.
- 10. SUPERVISION BY THE DIVISION OF THE STATE ARCHITECT PER SECTION 4-334.

2019 CAL	GREEN NON-RESIDENTIAL MANDATORY MEASURES:
PLUMBING F	IXTURES AND FITTINGS SHALL COMPLY WITH THE FOLLOWING:
5.303.3.1	WATER CLOSETS: ≤1.28 GAL/FLUSH
5.303.3.2	URINALS: ≤0.125 GAL/FLUSH
5.303.3.3.1	SINGLE SHOWERHEADS: ≤2.0 GPM AT 80 PSI
5.303.3.3.2	MULTIPLE SHOWERHEADS: COMBINED FLOW RATE OF ALL SHOWERHEADS AND/OR OTHER SHOWER
	OUTLETS CONTROLLED BY A SINGLE VALVE SHALL NOT EXCEED 2.0 GPM AT 80 PSI OR ONLY ONE
	SHOWERHEAD IS TO BE IN OPERATION AT A TIME.
5.303.3.4.1	NON-RESIDENTIAL LAVATORY FAUCETS: ≤0.5 GPM AT 60 PSI
5.303.3.4.2	KITCHEN FAUCETS: ≤1.8 GPM AT 60 PSI; TEMPORARY INCREASE TO 2.2 GPM ALLOWED BUT SHALL
	DEFAULT TO 1.8 GPM
5.303.3.4.3	WASH FOUNTAINS: ≤1.8 GPM/20 [RIM SPACE (INCHES) AT 60 PSI]
5.303.3.4.4	METERING FAUCETS: ≤0.20 GALLONS PER CYCLE
5.303.3.4.5	METERING FAUCETS FOR WASH FOUNTAINS: ≤0.20 GALLONS PER CYCLE 20 [RIM SPACE (INCHES)
	AT 60 PSI]
	-

NOTE: WHERE COMPLYING FAUCETS ARE UNAVAILABLE, AERATORS OR OTHER MEANS MAY BE USED TO ACHIEVE REDUCTION.

		PLUMBING L	EGEND		DSA APPROVAL
SYMBOL	ABBRV	IDENTIFICATION	ABBRV		
	CW		COORD		
	HW	HOT WATER	CONST	CONSTRUCTION	
	HWR	HOT WATER RETURN	DF	DRINKING FOUNTAIN	
	V	VENT	DN	DOWN	
	TW	TEMPERED WATER	DWGS (F)	DRAWINGS	
TP	ТР	TRAP PRIMER LINE	ELEC	ELECTRICAL	93 3 →
—— F ——	F	FIRE WATER	ELEV	ELEVATION	
	SPKR	SPRINKLER	EMBT	EMBEDMENT	
	DSP	WET STAND PIPE	EQUIP	EQUIPMENT	B Cali
G	G	GAS (7"WC)	EXT	EXTERIOR	×ss ⊥
—— MPG ——	MPG	MEDIUM PRESSURE GAS	FD	FLOOR DRAIN	
	S OR W	SOIL OR WASTE ABOVE GRADE	FFE	FINISHED FLOOR ELEVATION	
GW	GW	GREASE WASTE (ABOVE GROUND)	FLA	FULL LOAD AMIPS FLEXIBLE	
— — GW —	GW	GREASE WASTE (BELOW GROUND)	FLR	FLOOR	33 te
	RWL	RAIN WATER LEADER	FS	FLOOR SINK	Suit Suit
	RD		FPM	FEET PER MINUTE	St., St.,
CD	CD	CONDENSATE DRAIN	FT HD	FEET HEAD	31.4 K
E		САР	GPM	GALLONS PER MINUTE	
()	CONT	CONTINUATION	GALV	GALVANIZED	
		GATE VALVE	GA	GAUGE	
	SOV	SHUT-OFF VALVE	HP	HOUR	3>
	GV	GLOBE VALVE	HZ	HERTZ	
		BUTTERFLY VALVE	ID	INSIDE DIAMETER	STIECT * VINA
		BALL VALVE	IE		ARC, ARC, ARC, ARC, ASPA
	CS	CIRCUIT SETTER	IN	INCH INVERT	OF OF WAY
			KW	KILOWATTS	11-10 STH
		SOLENOID VALVE	LBS	POUNDS	
		PRESSURE REDUCING VALVE	LG		NGWIEER
			LKA	LEAVING	Z C C C C C C C C C C C C C C C C C C C
¥	T&PRV	TEMP. & PRESS. RELIEF VALVE	LWT	LEAVING WATER TEMPERATURE	ESSIO M M. M249 PT 30, 2 F CAU
		ANGLE VALVE	MAX	MAXIMUM	A NO. NO. NO. NO.
Ŷ			MBH		M SI
	СКУ	CHECK VALVE	MECH	MINIMOM CIRCOTT AMPS	E S S
		STRAINER	MFR	MANUFACTURER	EER suite A suite A
	GC	GAS COCK	MIN	MINIMUM	G I N E I ifornia 9
0			MOCP (N)	MAXIMUM OVERCURRENT PROTECTION	ww.axio
	PRV	PRESSURE REGULATING VALVE	NC	NORMALLY CLOSED	MWN WITING
	GPR	GAS PRESSURE REGULATOR	NIC	NOT IN CONTRACT	
	50		NO	NORMALLY OPEN	2210145 C 00
	FC	PRESSURE/TEMPERATURE PLUG		ON CENTER) 649-800) 649-800) 649-800) 649-800
⊺⊜⊺	WHA	WATER HAMMER ARRESTOR	OD	OUTSIDE DIAMETER	CO fh. (831 fr. (831 AE Proje
	НВ	HOSE BIBB	PD	PRESSURE DROP	NO. DESCRIPTION DATE
	GCO/FCO	GRADE CLEANOUT/FLOOR CLEANOUT	PH	PHASE	
	wco	CIRCULATION PUMP (DOMESTIC)	P/N PRESS	PART NUMBER PRESSURE	
 (F)			PRV	PRESSURE REDUCING VALVE	
<u>——</u> ——————————————————————————————————			PSI	POUNDS PER SQUARE INCH	me use or mese plans and specifications shall be restricted to the original site for which they were prepared and publication thereof is expressly limited to such use. Re-use, reproduction, or publication by
<u> </u>		PRESSURE GAUGE	P/T	PRESSURE/TEMPERATURE	specifications remains in the architect without prejudice. Visual contact with these plans and specifications shall constitute prima facie evidence
	P.O.C.	POINT OF CONNECTION	REQD	REQUIRED	
Ģ		CENTERLINE	REQS	REQUIREMENTS	
AD	AD	ACCESS DOOR	RLA	RATED/RUNNING LOAD AMPS	
Ø	DIA g.		RM		
	<u>م</u> @	AT	RV	RELIEF VALVE	
	°F	DEGREES FAHRENHEIT	SM	SHEETMETAL	
	AC	AIR CONDITIONER	SOV	SHUT-OFF VALVE	
	AD AFF	AKEA DRAIN ABOVE FINISH FLOOR	SPEC SO	SPECIFICATION	
	AGGR	AGGREGATE	STD	STANDARD	
	AMP	AMPERE	STRUCT	STRUCTURAL	
	APPROX		STSL	STAINLESS STEEL	
	BHP	BRAKE HORSEPOWER	TEMP	TEMPERATURE	
	BJ	BETWEEN JOISTS	ТҮР	TYPICAL	
	BLDG	BUILDING	UL	UNDERWRITER'S LABORATORIES	
	BT		UON	UNLESS OTHERWISE NOTED	
	CFH		V VTR	VULI VENT THROUGH ROOF	SHEET NUMBER
	Cl	CAST IRON	W/	WITH	
	CIRC	CIRCULATING	WC	WATER COLUMN	TU.I
	CLG	CEILING	WH	WATER HEATER	DATE IS NOVEMBER 2021
	CONN	CONNECTION	WT	WEIGHT	JOB DRAWN
	I		I		





PARTIAL SITE PLAN - DEMO PLUMBING SCALE: 1/4" = 1'-0" 4'



NOTE:

INFORMATION SHOWN IS TAKEN FROM SITE VISIT ON 10-18-21. CONTRACTOR IS ADVISED TO VISIT THE SITE PRIOR TO SUBMITTING A BID.

JOB	DATE:	NEW STUDENT TOILET BLDG FOR:	The use original s expressly any meth specificat with thes	CONSULTANTS	DSA .	DSA .
2101.	18 1	SPRECKELS UNION SCHOOL DISTRICT	of these pl ite for whic imited to iod, in who cions remain e plans an		APPRO	APPRO
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N CAE		4TH & HATTON AVENUE, SPRECKELS, CA	e restrict iblication tion, or p tle to the ejudice. V te prima	A Project #: 2020145 22 Lower Ragsdale Dr., Suite A Str. C.H.ANI C.R.M.M. OF CALIFOR VIE VOICE 831.424.2232 Fax	831.424.2501	
		PARTIAL SITE PLAN –	ted to the thereof is publication e plans a <i>l</i> isual con facie evia	DATE		
		PLUMBING	e s n by nd tact dence			

	GENERAL CONSTRUCTION NOTES			
1.	CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS. MATERIALS AND EQUIPMENT SHALL BE U.L. LISTED AND LABELED FOR THE APPLICATION.			FLUORESCEN
2.	THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, LICENSES AND INSPECTION FEES REQUIRED BY THIS CONTRACT WORK.			SEE SCHEDU
3.	CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO BIDDING AND ALLOW FOR ALL FIELD CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL WORK NOTED AND CALLED OUT ON ALL CONTRACT DOCUMENTS. THE CONTRACTOR SHALL OBTAIN INFORMATION AND BE FAMILIAR WITH ALL OTHER TRADES WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION BETWEEN OTHER TRADES ON PROJECT.	-		STRIP FLUOR SEE SCHEDUI LUMINAIRE - F
4.	CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF PERSONS AND PROPERTY AND SHALL PROVIDE INSURANCE COVERAGE AS NECESSARY FOR LIABILITY AND PERSONAL, PROPERTY DAMAGE, TO FULLY PROTECT THE OWNER, ARCHITECT AND ENGINEER FROM ANY AND ALL CLAIMS RESULTING FROM THIS WORK.		□→ O	RECESSED W
5.	CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS AT THE PROJECT SITE INDICATING ALL MODIFICATIONS TO ELECTRICAL SYSTEMS. THE CONTRACTOR SHALL AT THE CONCLUSION OF THE PROJECT PROVIDE ACCURATE "AS-BUILT" DRAWINGS ACCEPTABLE TO THE ARCHITECT		•••	LUMINAIRE - F SEE SCHEDUI
6.	ALL MATERIALS PROVIDED TO THE PROJECT SHALL BE NEW. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL INCIDENTAL MATERIALS REQUIRED FOR A COMPLETE INSTALLATION.		Ю	LUMINAIRE - V
7.	CONTRACTOR SHALL PROVIDE TO THE ARCHITECT A CONSTRUCTION SCHEDULE OF ELECTRICAL WORK. THE CONSTRUCTION SCHEDULE SHALL IDENTIFY ALL SIGNIFICANT MILESTONES WITH COMPLETION DATES.		-••- ਲੋ	BOLLARD OR
3.	CONTRACTOR SHALL PROVIDE ALL REQUIRED "CUTTING, PATCHING, EXCAVATION, BACKFILL AND REPAIRS" NECESSARY TO RESTORE DAMAGED SURFACES TO EQUAL OR BETTER THAN ORIGINAL CONDITIONS EXISTING AT START OF WORK	.		INDICATED - S
9.	CONTRACTOR SHALL BE RESPONSIBLE FOR PAINTING ALL EXPOSED CONDUITS AND ELECTRICAL EQUIPMENT. REFER TO ARCHITECTS PAINTING SECTION FOR REQUIREMENTS.			EMERGENCY
10.	ALL ELECTRICAL EQUIPMENT INSTALLED OUTDOORS SHALL BE WEATHERPROOF. EXTERIOR CONDUITS RUN INTO BUILDINGS SHALL BE INSTALLED WITH FLASHING, CAULKED AND SEALED. CONDUITS FOR EXTERIOR ELECTRICAL DEVICES SHALL BE BUILDING UNLESS OTHERWISE NOTED ON DRAWINGS			LIGHTING CO
11.	ALL CONDUITS UNLESS OTHERWISE NOTED ON DRAWINGS SHALL HAVE AS A MINIMUM: TWO (2) #12s WITH ONE (1) #12 GROUND. "TICK" MARKS SHOWN ON CIRCUITRY ARE FOR ROUGH ESTIMATING ONLY. THE CONTRACTOR		DRC	DIMMER ROO PLUG LOAD C
12.	SHALL BE RESPONSIBLE FOR ALL WIRES AND WIRE SIZES REQUIRED BY LATEST CODE. ALL BRANCH CIRCUITS SHALL HAVE INDIVIDUAL NEUTRALS. SHARED NEUTRALS ON MULTIWIRE CIRCUITS IS		RC	ROOM LIGHTI
13.	NOT ALLOWED.		LCP	LIGHTING CO
	CONFLICTS.		¢	
14.	FROM ALL NEW FLUSH MOUNT PANELS; THE CONTRACTOR SHALL STUB UP INTO ACCESSIBLE CEILING SPACE A MINIMUM OF FOUR (4) 3/4" CONDUITS FOR FUTURE USE.		₽ \$a	SINGLE POLE
15.	CONTRACTOR SHALL, PRIOR TO BID, FIELD VERIFY ALL REQUIREMENTS FOR MODIFYING THE EXISTING CLOCK, DATA, AND INTERCOM SYSTEMS TO ACCOMMODATE ADDITIONS NOTED. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS NEEDED TO MAKE A FULLY OPERATIONAL SYSTEM AT THE CONCLUSION OF PROJECT WORK.		\$ 3	a = CIRCUIT C
16.	CONTRACTOR SHALL PROVIDE IN EVERY NEW EMPTY CONDUIT A DRAW STRING FOR USE IN FUTURE CONSTRUCTION.		\$4 \$м	FOUR WAY S
17.	CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE TO EXISTING UNDERGROUND SYSTEMS (GAS, WATER, TELEPHONE, ELECTRICAL, SEWER, ETC.). THE CONTRACTOR SHALL REPAIR & PAY ALL EXPENSES FOR DAMAGE TO EXISTING UNDERGROUND SYSTEMS AS A RESULT OF NEW WORK. REPAIR TO DAMAGED UNDERGROUND SYSTEMS SHALL BE TO THE OWNERS SATISFACTION WITHOUT EXTRA EXPENSE TO THE		\$к \$	KEY OPERATE
18.	OWNER. EXISTING WIRING SHOWN HAS BEEN TAKEN FROM OLD PLANS AND IS ASSUMED TO BE CORRECT. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ACTUAL CONDITIONS AND MAKE ADJUSTMENTS TO SUIT ACTUAL		§ । জ	DIGITAL ON/O DIGITAL DIMM DIGITAL MULT
	CONDITIONS AND TO MEET THE INTENT OF THE CONTRACT DOCUMENTS.		₽M#	LIGHTING SW DIGITAL DUAL WALL OCC. S'
				WALL OCCUP
			\$ 2	DOUBLE SWI ⁻ SENSOR **
				DIMMING DUA WALL SWITCH
			() ₂	2-BUTTON DIN WALL SWITCH

		ELECTRIC	CAL S	YMBOLS & ABBREVIAT	IONS		
		SYMBOLS & ABBREVIATIONS SHOW	WN ARE FOR (GENERAL USE. DISREGARD THOSE WHICH DO NOT	APPEAR ON THE PLANS.		
OR LED LUMINAIRE -	•	SECURITY DOOR CONTACTS		PANELBOARD - FLUSH MOUNTED	2 DETAIL NOTE REFERENCE SYMBOL SEE ASSOCIATED NOTE ON SAME DETA	IL DETAIL NUMBER DETAIL OR SECTION REFERENCE	
R NIGHT LIGHT		SECURITY MOTION DETECTOR		EQUIPMENT PANEL - FLUSH MOUNTED PANELBOARD - SURFACE MOUNTED		E3.0 SHEET NUMBER	
SCENT OR LED LUMINAIRE -		CCTV CAMERA		EQUIPMENT PANEL - SURFACE MOUNTED	F301FEEDER DESIGNATION; SEE ASSOCIATED NOTE ON SAME DETA	IL INDICATES QUANTITY OF TELEPHONE OUTLETS	
- ECESSED - SEE SCHEDULE	H KP	SECURITY SYSTEM KEYPAD		METER W/ CURRENT TRANSFORMER	ABBREVIATIONS	INDICATES QUANTITY OF DATA OUTLETS	
LL WASHER	H•	DOOR BELL PUSHBUTTON	J/HJ	JUNCTION BOX - CEILING OR WALL MOUNTED, SIZE PER CODE, TAPE AND TAG WIRES	A AMPERE GFCI	GROUND FAULT NTS NOT TO SCALE	
JRFACE MOUNTED -	HCH	DOOR CHIME WITH LED	Ņ	MOTOR CONNECTION	ALUM/AL ALUMINUM GND, G ARCH ARCHITECT GRS	GROUNDOCON CENTERGALVANIZED RIGIDOHOVERHEAD	Ornic B.
DLE OR POST MOUNTED -	Φ	RECEPTACLE - DUPLEX *	C	NON-FUSED DISCONNECT SWITCH	AWG AMERICAN WIRE GAUGE HT	STEELPAPUBLIC ADDRESSHEIGHTPBPULL BOXINTERCOMPDPD	
= ALL MOUNTED SEE SCHEDULE	P	DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER - FIELD VERIFY HEIGHT	Ľ	DUAL-ELEMENT FUSES SIZED PER EQUIPMENT MFGR'S NAMEPLATE DATA	C CONDUIT IDF CATV CABLE TV	INTERCOM PF POWER FACTOR INTERMEDIATE PH PHASE DISTRIBUTION FRAME PIR PASSIVE INFRARED	ax Jas
ATH LIGHT - SEE SCHEDULE	Ф	GFCI CONVENIENCE RECEPTACLE - DUPLEX*	R	COMBINATION STARTER/FUSED DISCONNECT SWITCH; FUSED DISCONNECT SWITCH ELEMENT FUSES SIZED	CBCIRCUIT BREAKERINCANDCCTVCLOSED CIRCUIT TVJBCITCIRCUIT TVCIRCUIT TV	INCANDESCENT PNL PANEL JUNCTION BOX PV PHOTOVOLTAIC	P F
RECTIONAL ARROWS AS	ф.	GFCI CONVENIENCE DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER - FIELD VERIFY HEIGHT		PER EQUIPMENT MFGRS NAMEPLATE DATA	CL CENTER LINE KVA CL CEILING KW	KILOVOLT PVC POLYVINYL KILOVOLT AMPERES CHLORIDE KILOWATT PWR POWER	
	†	RECEPTACLE DOUBLE DUPLEX *		MAGNETIC STARTER - NEMA SIZE INDICATED NEMA 3R ENCLOSURE UNLESS OTHERWISE SPECIFIED	C.O. CONDUIT ONLY LCP CTR CENTER	LIGHTING CONTROL(R)EXISTING TO BE REMOVEDPANEL(RP)REMOVABLE POLE	
IGHT	P	HALF SWITCHED DUPLEX RECEPTACLE *			D DIMMER LTG DIM DIMENSION LV	LIGHTING RECPT'S RECEPTACLES LOW VOLTAGE REQD REQUIRED THOUSAND REOMT'S REOLUREMENT(S)	Suit 2223
TECHNOLOGY	φ	SINGLE RECEPTACLE*	• I+	GROUND ELECTRODE	(E) EXISTING EC ELECTRICAL CONTRACTOR M.B.	CIRCULAR MILS SHT SHEET MAIN CIRCUIT BREAKER SLD SINGLE LINE DIAGRAM	st., st.,
TROL OCCUPANCY SENSOR	Φ	DUPLEX RECEPTACLE - CEILING MOUNTED		NORMALLY OPEN CONTACT	(EL) EVENING LIGHT MCA EM EMERGENCY	MINIMUM STC SYSTEMS TERMINATION CIRCUIT AMPS SW SWITCH	A A 331.
	Φ^{HC}	LETTER INDICATES DUPLEX HALF CONTROLLED RECEPTACLE *		NORMALLY CLOSED CONTACT	EMT ELECTRICAL MDF METALLIC TUBING MECH MH	MAIN DISTRIBUTION FRAME OW OWNON MECHANICAL SWBD SWITCHBOARD METAL HALIDE TTB TELEPHONE TERMINAL	S S
NTROLLER	Φ^{c}	LETTER INDICATES DUPLEX FULLY		TRANSFORMER - SEE SINGLE LINE FOR SIZE	EQUIP EQUIPMENT MLO EV ELECTRICAL VEHICLE MPOE	MAIN LUGS ONLY BACKBOARD MAIN POINT OF ENTRANCE TYP TYPICAL	
G CONTROLLER	\odot	FLOOR MOUNTED DUPLEX RECEPTACLE		PULLBOX	FA FIRE ALARM MTD FACP FIRE ALARM MTG CONTROL PANEL MOCP	MOUNTED UG UNDERGROUND MAXIMUM OVER V VOLT	
TROL PANEL		FLOOR MOUNTED BOX		FLEX CONDUIT WITH CONNECTION	FC FOOT CANDLE FIN FINISH (N)	CURRENT PROTECTION VD VOLTAGE DROP NEW W WATT	
GHT SENSOR	9	POWER OUTLET - SEE PLANS FOR NEMA TYPE \star	0	CONDUIT - DOWN	FL FLOOR NIC FLA FULL LOAD AMPS NIEC FLUOR FLUORESCENT	NOT IN CONTRACTW/NOT IN ELECTRICALWPWPWEATHERPROOFCONTRACTXFMRTRANSFORMER	THE NAME
WITCH **			— E —	CONDUIT EMERGENCY SYSTEM	(F)FUTURE(NL)GCGENERAL CONTRACTORNO.	NIGHT LIGHT NUMBER	23/23/23 DATE CAL
SWITCH, ** INTROLLED	⊥ ▼ ^[#]	VOICE/DATA WALL OUTLET *	<u> </u>	LOW VOLTAGE WIRING	FIRE ALARM		STUDY STR
VITCH**	T ^[#]	VOICE/DATA OUTLET MOUNTED ABOVE		SURFACE METAL OR NON-METALLIC RACEWAY	NOTE: SEE FIRE ALARM DRAWINGS FOR QUANTITIE	S AND MOUNTING HEIGHTS.	
R STARTER	X ^[#]	SURFACE MOUNTED VOICE/DATA WALL OUTLET *		CONDUIT - CONCEALED IN WALLS OR CEILING	P MANUAL PULL STATION	IOKE DETECTOR APS AUXILIARY POWER SUPPLY	PROFESSIONAL
D SWITCH **		SURFACE MOUNTED VOICE/DATA OUTLET MOUNTED ABOVE COUNTER - FIELD VERIFY HEIGHT		CONDUIT - BELOW SLAB OR	\bigcirc STROBE ONLY \bigcirc TAMPER	SWITCH FSA FIRE SYSTEM ANNUNCIATOR	Star DGE O. BEINER
IER **		WIRELESS ACCESS POINT (WAP) - CEILING MOUNTED	E	UNDERGROUND: 3/4"MIN. CAPPED OR STUB-OUT CONDUIT	HORN ONLY	VITCH FTR FIRE ALARM TRANSPONDER OR TRANSMITTER	No. E17789 DRP. 6/30/22
F SWITCH **		WIRELESS ACCESS POINT (WAP) -	<u> </u>	CONDUIT CONTINUATION		DICATING VALVE	STATE OF CALIFORNIA
SCENE CH **		VOICE/DATA OUTLET - FLOOR MOUNTED	#10	CONDUIT - HOME RUN TO PANEL, TERMINAL CABINET, ETC. RUNS MARKED WITH		OKE DAMPER FAC FIRE ALARM COMMUNICATOR	
TECHNOLOGY	$\overline{\mathbf{A}}$	TV OUTLET *	\sim	CROSSHATCHES INDICATE NUMBER OF #12 AWG WIRES WHEN MORE THAN TWO. SIZE		DNG) ANN REMOTE ANNUNCIATORS	TING , INC. 30 30 20 20 20 20 20 20 20 20 20 20 20 20 20
NCY SENSOR **		VOICE/DATA OUTLET - CEILING MOUNTED		AND APPLICABLE CODE. CROSS HATCHES WITH NUMBER ADJACENT INDICATES WIRE	HEAT DETECTOR FCP FIRE ALA	ARM CONTROL PANEL EOL END OF LINE	CONSUL REX EY BAY C1-255. C1-2
CHED WALL OCCUPANCY	S	INTERIOR SPEAKERS CEILING MOUNTED	$\overline{2}$	SIZE OTHER THAN #12 AWG. SHEET NOTE REFERENCE SYMBOL:			LURUM (URUM (NONTER 100. 210 MG 46.3336 47.4444 47.4444 47.4444 47.4444 47.4444 47.4444 47.4444 47.4444 47.4444 47.44444 47.44444 47.44444444
. TECHNOLOGY OCCUPANCY SENSOR **	HS LO	INTERIOR SPEAKERS WALL MOUNTED CLOCK +8'-0" AFF U.O.N. VERIFY BEFORE		SEE ASSOCIATED NOTE ON SAME SHEET		* +15" A.F.F. TO BOTTOM OF BOX, U.O.N. ** +48" A.F.F. TO TOP OF BOX, U.O.N.	Project Project And Statles Mitted Tots Mitted Tots Mi
MING DUAL TECHNOLOGY OCCUPANCY SENSOR **		INSTALLATION	$\sqrt{3}$	NOTE ON SAME SHEET		[#] NUMBER IN BRACKETS DENOTES NUMBER OF CABLE DROPS WHEN MORE THAN (2).	JLTAN7 JLTAN7 6.3330 • 6.3330 • 6.3330 • FLP PARS FLP PAR
							CONSU CONSU 60 Garc 50 Garc T 1831.64 ERECE IS D ERECE IS D EREC IS D ERECE IS D ERECE IS D ERECE IS D ERECE IS D ERECE IS D ERECE I
				APPLICABLE COI	DES & STANDARDS	SHEET INDEX	는 중 폰 ᅙ 요 홈 전 NO. DESCRIPTION DATE
				CODES:		E0.1 SYMBOLS, ABBREVIATIONS, CODES, STANDARDS, NOTES	
				1. 2019 CALIFORNIA ADMINISTRATIVE CC	DDE C.C.R., TITLE 24, PART 1.	E1.1 ELECTRICAL SINGLE LINE DIAGRAM & ELECTRICAL	
				2. 2019 CALIFORNIA BUILDING CODE (CB 2018 INTERNATIONAL BUILDING CODE	C) C.C.R., TITLE 24, VOL. 1 & 2 BASED ON THE (IBC) WITH CALIFORNIA AMENDMENTS.	DETAILS. E2.1 PARTIAL ELECTRICAL SITE PLAN	The use of these plans and specifications shall be restricted to the original site for which they were prepared and publication thereof is expressed limited to such use. Require reproducting or publication by
				3. 2019 CALIFORNIA ELECTRICAL CODE (2017 NATIONAL ELECTRICAL CODE (N	(CEC) C.C.R., TITLE 24, PART 3 BASED ON THE EC) WITH CALIFORNIA AMENDMENTS.	E3.1 ELECTRICAL DEMOLITION PLAN & POWER PLAN.	any method, in whole or in part, is prohibited. Title to the plana and specifications remains in the architect without prejudice. Visual contact with these plans and specifications shall constitute prima facie evidence
				4. 2019 CALIFORNIA MECHANICAL CODE	(CMC) C.C.R., TITLE 24, PART 4 BASED ON THE	E4.1 ELECTRICAL SPECIFICATIONS.	of the acceptance of these restrictions.
				5. 2019 CALIFORNIA PLUMBING CODE (CI	PC) C.C.R., TITLE 24, PART 5 BASED ON THE 2018	FA0.1 FIRE ALARM SYMBOLS, ABBREVIATIONS, EQUIPMENT LIST, OPERATIONAL MATRIX, DETAILS & NOTES.	
					H CALIFORNIA AMENDMENTS.	FA1.1 FIRE ALARM RISER DIAGRAM AND BATTERY & VOLTAGE DROP CALCULATIONS.	
				 2019 CALIFORNIA ENERGY CODE C.C. 2019 CALIFORNIA FIRE CODE (CFC) C.0 	R., TITLE 24, PART 6. C.R., TITLE 24, PART 9 BASED ON THE 2018	FA3.1 FIRE ALARM DEMOLITION PLAN & FIRE ALARM PLAN.	
				INTERNATIONAL FIRE CODE (IFC) WITH	H CALIFORNIA AMENDMENTS.	FA4.1 FIRE ALARM SPECIFICATIONS.	SHERE O
				8. 2019 CALIFORNIA GREEN BUILDING ST	DARDS CODE C.C.R., TITLE 24, PART 11.		SCH SCH
				10. TITLE 19 C.C.R., PUBLIC SAFETY, STAT	TE FIRE MARSHAL REGULATIONS.		N S N S
				11. NATIONAL FIRE ALARM CODE (NFPA 72	2) 2016.		
				12. CITY OF SPRECKELS ORDINANCES, CO	ODES, AND REGULATIONS.		STUE STUE S U AB S,
				STANDARDS:			EV SF ARI
				1. AMERICAN NATIONAL STANDARDS INS	STITUTE (ANSI)		L ATH
				2. ELECTRONICS INDUSTRIES ASSOCIAT			SPR STA
				4. NATIONAL ELECTRICAL AND ELEC	ERS ASSOCIATION (NEMA)		SHEET NUMBER
				5. NATIONAL ELECTRICAL TESTING ASSO	DCIATION (NETA)		
				6. UNDERWRITER LABORATORIES (UL)			
				7. CALIFORNIA OCCUPATIONAL SAFETY	AND HEALTH ACT STANDARDS (CAL/OSHA)		DATE: IS NOVEMBER 2021
							JOB DRAWN 2101.1 CADD

DSA APPROVAL













Xrefs: x 2101.1 BDR

File name: D:\JOBS\2101.1\



SHEET NOTES

- 1. SEE 1/E1.1 FOR REQUIREMENTS.
- 2. SEE SHEET E3.1 FOR CONTINUATION.



SCALE: 1/8"=1'-0"

0'2'4'6'8

NOTES:

TO OWNER.

NORTH

2	
SUST NASANAN ANUTIEU	



○ SHEET NOTES

- 1. EXISTING RELOCATABLE BUILDING TO BE DEMOLISHED.
- 2. UNINSTALL, PRESERVE, AND PROTECT DEVICE FOR RECONNECTION AS PART OF NEW WORK.
- NEW RELOCATABLE BUILDING; SEE SHEET E-1.01 FOR DEVICES, LOCATIONS, AND REQUIREMENTS.
- 4. SEE SHEET E2.1 FOR CONTINUATION.
- 5. SEE 1/E1.1 FOR REQUIREMENTS.
- 6. HOMERUN TO IDF-H LOCATED IN CLASSROOM H006; SEE SHEET E2.1 FOR LOCATION.



SECTION 26 05 73

GENERAL ELECTRICAL REQUIREMENTS

PART 1 - GENERAL

1.01 Description of Work:

A. Furnish and install all required in-place equipment, conduits, conductors, cables and any miscellaneous materials for the satisfactory interconnection and operation of all associated electrical systems.

1.02 Submittals:

- A. As specified in Division 1. Submit to the Architect shop drawings, manufacturer's data and certificates for equipment, materials and finish, and pertinent details for each system specified. Information to be submitted includes manufacturer's descriptive literature of cataloged products, equipment, drawings, diagrams, performance and characteristic curves as applicable, test data and catalog cuts. Obtain written approval before procurement, fabrication, or delivery of the items to the job site B. Proposed substitutions of products will not be reviewed or approved prior to awarding of the
- Contract C. Substitutions shall be proven to the Architect or Engineer to be equal or superior to the specified
- product. Architect's decision is final. The Contractor shall pay all costs incurred by the Architect and Engineer in reviewing and processing any proposed substitutions whether or not a proposed substitution is accepted. D. If a proposed substitution is rejected, the contractor shall furnish the specified product at no
- increase in contract price. E. If a proposed substitution is accepted, the contractor shall be completely responsible for all dimensional changes, electrical changes, or changes to other work which are a result of the substitution. The accepted substitution shall be made at no additional cost to the owner or design consultants.

1.03 Quality Assurance:

- A. Codes: All electrical equipment and materials, including installation and testing, shall conform to the latest editions of the following applicable codes: 1. California Electrical Code (CEC).
- 2. Occupational Safety and Health Act (OSHA) standards.
- 3. All applicable local codes, rules and regulations.
- 4. Electrical Contractor shall posses a C-10 license and all other licenses as may be required. Licenses shall be in effect at start of this contract and be maintained throughout the duration of this contract. B. Variances: In instances where two or more codes are at variance, the most restrictive requirement
- shall apply. C. Standards: Equipment shall conform to applicable standards of American National Standards
- Institute (ANSI), Electronics Industries Association (EIA), Institute of Electrical and Electronics Engineers (IEEE), and National Electrical Manufacturers Association (NEMA). D. Underwriter Laboratories (UL) listing is required for all equipment and materials where such listing is offered by the Underwriters Laboratories. Provide service entrance labels for all equipment
- required by the NEC to have such labels. E. The electrical contractor shall guarantee all work and materials installed under this contract for a
- period of one (1) year from date of acceptance by owner. F. All work and materials covered by this specification shall be subject to inspection at any and all times by representatives of the owner. Work shall not be closed in or covered before inspection and approval by the owner or his representative. Any material found not conforming with these specifications shall, within 3 days after being notified by the owner, be removed from premises; if said material has been installed, entire expense of removing and replacing same, including any cutting and patching that may be necessary, shall be borne by the contractor.

1.04 Contract Documents:

- A. Drawings: The Electrical Drawings shall govern the general layout of the completed construction. 1. Locations of equipment, panels, pullboxes, conduits, stub-ups, ground connections are approximate unless dimensioned; verify locations with the Architect prior to installation.
- 2. The general arrangement and location of existing conduits, piping, apparatus, etc., is approximate. The drawings and specifications are for the assistance and guidance of the contractor, exact locations, distances and elevations are governed by actual field conditions. Accuracy of data given herein and on the drawings is not guaranteed. Minor changes may be necessary to accommodate work. The contractor is responsible for verifying existing conditions. Should it be necessary to deviate from the design due to interference with existing conditions or work in progress, claims for additional compensation shall be limited to those for work required by unforeseen conditions as determined by the Architect.
- 3. All drawings and divisions of these specifications shall be considered as whole. The contractor shall report any apparent discrepancies to the Architect prior to submitting bids. 4. The contractor shall be held responsible to have examined the site and compared it with the
- specifications and plans and to have satisfied himself as to the conditions under which the work is to be performed. He shall be held responsible for knowledge of all existing conditions whether or not accurately described. No subsequent allowance shall be made for any extra expense due to failure to make such examination.

1.05 Closeout Submittals:

A. Manuals: Furnish manuals for equipment where manuals are specified in the equipment specifications or are specified in Division 1.

1.06 Coordination:

- A. Coordinate the electrical work with the other trades, code authorities, utilities and the Architect. B. Provide and install all trenching, backfilling, conduit, pull boxes, splice boxes, etc. for all Utility Company services to the locations indicated on the Drawings. Prior to performing any work, the Electrical Contractor shall coordinate with the various Utility Companies to verify that all such work and materials shown on the Drawings are of sufficient sizes and correctly located to provide services on the site. C. Utility Company charges shall be paid by the Owner.
- D. Contractor shall pay all inspection and other applicable fees and procure all permits necessary for
- the completion of this work. E. Where connections must be made to existing installations, properly schedule all the required work, including the power shutdown periods.
- F. When two trades join together in an area, make certain that no electrical work is omitted.

1.07 Job Conditions:

- A. Operations: Perform all work in compliance with Division 1
- 1. Keep the number and duration of power shutdown periods to a minimum. 2. Show all proposed shutdowns and their expected duration on the construction schedule. Schedule and carry out shutdowns so as to cause the least disruption to operation of the Owner's
- facilities 3. Carry out shutdown only after the schedule has been approved, in writing, by the owner. Submit power interruption schedule 15 days prior to date of interruption.
- B. Construction Power: Unless otherwise noted in Division 1 of these specifications, contractor shall make all arrangements and provide all necessary facilities for temporary construction power [from the owner's on site source. Energy costs shall be paid for by the Owner.] [to the site. Energy costs shall be paid by the General Contractor.]

1.08 Safety and Indemnity:

- A. The Contractor is solely and completely responsible for conditions of the job site including safety of all persons and property during performance of the work. This requirement will apply continually and not be limited to normal working hours. The contractor shall provide and maintain throughout the work site proper safeguards including, but not limited to, enclosures, barriers, warning signs, lights, etc. to prevent accidental injury to people or damage to property.
- B. The Contractor performing work under this Division of the Specifications shall hold harmless, indemnify, and defend the Owner, the Engineer, their consultants, and each of their officers, agents and employees from any and all liability claims, losses, or damage arising out of or alleged to arise from bodily injury, sickness, or death of a person or persons and for all damages arising out of injury to or destruction of property arising directly or indirectly out of or in connection with the performance of the work under this Division of the Specifications, and from the Contractor's negligence in the performance of the work described in the construction contract documents, but not including liability that may be due to the sole negligence of the Owner, the Engineer, their Consultants or their officers, agents and employees.
- C. If a work area is encountered that contains hazardous materials, the contractor is advised to coordinate with the owner and it's abatement consultant for abatement of hazardous material by the Owner's Representative. "Hazardous materials" means any toxic substance regulated or controlled by OSHA, EPA, State of California or local rules, regulations and laws. Nothing herein shall be construed to create a liability for Aurum Consulting Engineers regarding hazardous materials abatement measures, or discovery of hazardous materials.

1.09 Access Doors:

A. The contractor shall install access panels as required where floors, walls or ceilings must be penetrated for access to electrical, control, fire alarm or other specified electrical devices. The minimum size panel shall be 14" x 14" in usable opening. Where access by a service person is required, minimum usable opening shall be 18" x 24".

1.10 Arc Flash: A. The contractor shall install a clearly visible arc flash warning to the inside door of all panelboards and industrial control panels, as well as to the front of all switchboards and motor control centers that are a part of this project.

- B. The warning shall have the following wording: line 1 "WARNING" (in large letters), line 2 "Potential Arc Flash Hazard" (in medium letters), line 3 & 4 "Appropriate Personal Protective Equipment and Tools required when working on this equipment".
- 1.11 All boxes and enclosures for emergency circuits shall be permanently marked with a readily visible red spray painted mark.

PART 2 - PRODUCTS

2.01 Nameplates: A. Identify each piece of equipment and related controls with a rigid laminated engrave nameplate. Unless otherwise noted, nameplates shall be melamine plastic 0.125 inc with black center core. Surface shall be matte finish. Corners shall be square. Accu lettering and engrave into the core. Minimum size of nameplates shall be 0.5 by 2.5 otherwise noted. Where not otherwise specified, lettering shall be a minimum of 0.2 normal block style. Engrave nameplates with the inscriptions indicated on the Draw so indicated, with the equipment name. Securely fasten nameplates in place using tw steel or brass screws.

2.02 Finish requirements: A. Equipment: Refer to each electrical equipment section of these Specifications for pa

requirements of equipment enclosures. Repair any final paint finish which has been otherwise unsatisfactory, to the satisfaction of the Architect. B. Wiring System: In finished areas, paint all exposed conduits, boxes and fittings to n of the surface to which they are affixed.

PART 3 - EXECUTION

- 3.01 Workmanship
- A. All electrical equipment and materials shall be installed in a neat and workmanship accordance with the "NECA-1 Standard Practices For Good Workmanship in Electr Contracting". Workmanship of the entire job shall be first class in every respect.

3.02 Equipment Installations A. Provide the required inserts, bolts and anchors, and securely attach all equipment an

- their supports. B. Do all the cutting and patching necessary for the proper installation work and repair
- C. Earthquake restraints: all electrical equipment, including conduits over 2 inches in o be braced or anchored to resist a horizontal force acting in any direction as per CBC Title 24, part 2 and ASCE7-10, section 13.3 and 13.6 and table 13.6-1.
- D. Structural work: All core drilling, bolt anchor insertion, or cutting of existing struct shall be approved by a California registered structural consulting engineer prior to the any construction. At all floor slabs and structural concrete walls to be drilled, cut or inserted, the contractor shall find and mark all reinforcing in both faces located by r pach-ometer, or prof-ometer. Submit sketch showing location of rebar and proposed bolt anchor locations for approval.

3.03 Field Test:

A. Perform equipment field tests and adjustments. Properly calibrate, adjust and operation all circuits and components, and demonstrate as ready for service. B. Operational Tests: Operationally test all circuits to demonstrate that the circuits and have been properly installed and adjusted and are ready for full-time service. Demon proper functioning of circuits in all modes of operation, including alarm conditions.

3.04 Records:

- A. Maintain one copy of the contract Drawing Sheets on the site of the work for record built" condition. After completion of the work, the Contractor shall carefully mark t actually constructed, revising, deleting and adding to the Drawing Sheets as required Drawings shall be delivered to the Architect within ten (10) days of completion of c
- 3.05 Clean Up: A. Upon completion of electrical work, remove all surplus materials, rubbish, and debr accumulated during the construction work. Leave the entire area neat, clean, and ac Architect

3.06 Mechanical and Plumbing Electrical Work:

- A. The requirements for electrical power and/or devices for all mechanical and plumbin supplied and/or installed under this Contract shall be coordinated and verified with t Mechanical and Plumbing Drawings. . Mechanical and Plumbing sections of these Specifications.
- . Manufacturers of the Mechanical and Plumbing equipment supplied. The coordination and verification shall include the voltage, ampacity, phase, location
- disconnect, control, and connection required. Any changes that are required as a resu coordination and verification shall be a part of this Contract. C. The Electrical Contractor shall furnish and install the following for all mechanical a
- 1. Line voltage conduit and wiring.
- 2. Disconnect switches. 3. Manual line motor starters.
- D. Automatic line voltage controls and magnetic starters shall be furnished by the Mech Plumbing Contractor and installed and connected by the Electrical Contractor. When for by the Mechanical and/or Plumbing Contractor, all line voltage control wiring in
- Electrical Contractor shall be done per directions from the Mechanical and/or Plumb E. All low voltage control wiring for Mechanical and Plumbing equipment shall be inst conduit. Furnishing, installation and connection of all low voltage conduit, boxes, v
- controls shall be by the Mechanical and/or Plumbing Contractor. F. Manual motor starters, where required, shall have toggle type operators with pilot lig alloy type overload relays, SQUARE D COMPANY, Class 2510, Type FG-1P (surf FS-1P (flush) or ITE, WESTINGHOUSE or GENERAL ELECTRIC equal.

SECTION 26 05 26

- GROUNDING
- 1.1 Grounding and Bonding: A. Grounding and bonding shall be as required by codes and local authorities. B. All electrical equipment shall be grounded, including, but not limited to, panel board cabinets and outlet boxes.
- C. The ground pole of receptacles shall be connected to their outlet boxes by means of wire connecting to a screw in the back of the box.
- D. A green insulated copper ground wire, sized to comply with codes, shall be installed
- E. All metal parts of pull boxes shall be grounded per code requirements.

SECTION 26 05 42

CONDUITS, RACEWAYS AND FITTINGS

PART 1 - EXECUTION

- 1.01 Conduit, Raceway and Fitting Installation:
- A. For conduit runs exposed to weather provide rigid metal (GRS). B. For conduit run underground, in concrete or masonry block wall and under concrete minimum ³/₄" size nonmetallic (PVC) with PVC elbows. Where conduits transition
- underground or under slab to above grade install wrapped rigid metal (GRS) elbows C. For conduit runs concealed in steel or wood framed walls or in ceiling spaces or exp spaces above six feet over the finished floor, install EMT.
- D. Flexible metal conduit shall be used only for the connection of recessed lighting fixt connections unless otherwise noted on the Drawings. Liquid-tight steel flexible cond used for motor connections.
- E. The minimum size raceway shall be 1/2-inch unless indicted otherwise on the Draw F. Installation shall comply with the CEC.
- G. From pull point to pull point, the sum of the angles of all of the bends and offset sha 360 degrees.
- H. Conduit Supports: Properly support all conduits as required by the NEC. Run all co concealed except where otherwise shown on the drawings. 1. Exposed Conduits: Support exposed conduits within three feet of any equipment at intervals not exceeding NEC requirements; wherever possible, group conduits
- support on common supports. Support exposed conduits fastened to the surface of structure by one-hole clamps, or with channels. Use conduit spacers with one-ho a. Conduits attached to walls or columns shall be as unobtrusive as possible and windows. Run all exposed conduits parallel or at right angles to building lines b. Group exposed conduits together. Arrange such conduits uniformly and neat 2. Support all conduits within three feet of any junction box, coupling, bend or fixtu
- 3. Support conduit risers in shafts with Unistrut Superstrut, or approved equal, char Moisture Seals: Provide in accordance with NEC paragraphs 230-8 and 300-5(g).
- J. Where PVC conduit transitions from underground to above grade, provide rigid stee risers. Rigid steel shall be half-lap wrapped with 20 mil tape and extend minimum 1
- K. Provide a nylon pull cord in each empty raceway.
- L. Provide galvanized rigid steel factory fittings for galvanized rigid steel conduit. M. Slope all underground raceways to provide drainage; for example, slope conduit from
- located inside a building to the pull box or manhole located outside the building. N. Conduits shall be blown out and swabbed prior to pulling wires.

F. All ground conductors shall be green insulated copper.

PART 1 - EXECUTION

	SECTION	26.05.16	DSA AI	FFROVAL		
	SECTION 2	26 03 16				
ad plastic	LINE VOLT	TAGE WIRE AND CABLE				
ch thick, white	PART 1 - PI	RODUCTS				
curately align	1.01 0.1					
5 inches unless 25 inch high	A. Cond	uctors: Inductors shall be copper, type THHN/THWN/MTW oil and gasoline resistant, 90°C, 600 volt				
wings and, if not	rate	d insulation.				
two stainless	B. Con C. Min	nuctors shall be stranded copper.				
	D. All	conductors used on this Project shall be of the same type and conductor material.				
ainting	1.02 Term	inations:				
n damaged or is	A. Mar	nufacturer - Terminals as manufactured by T&B, Burndy or equal.				
match the color	B. Wir	e Terminations - Stranded conductors shall be terminated in clamping type terminations which				
inaten the color	type	e terminal is not allowed. For screw type terminations, use a fork type stake-on termination on				
	the C End	stranded conductor. Use only a stake-on tool approved for the fork terminals selected.			5 m	
	C. Eliq	Sears - meat similik plastic caps of proper size for the wire on which used.				
manner in	1.03 Tape:	e used for terminations and cable marking shall be compatible with the insulation and jacket of			319	
rical	the	cable and shall be of plastic material.				
	1.04 Cable	2 6.		T		
	А. Тур	e MC Armored Cable:			a)	
nd materials to	1. (i	Conductors shall be copper type THHN/THWN/MTW oil and gasoline resistant, 600 volt rated insulation				
r any damage	2. (Conductors shall be stranded copper No.8 AWG and above.		\mathbf{r}	× S	
diameter, shall	3. 1	Minimum power and control wire shall be No.12 AWG unless otherwise noted. All conductors used on this project shall be of the same type and conductor material.				
C Section 1616A	5. 1	Light weight aluminum interlocked armor.			- 8	
tural concrete	6.]	Integral green insulated grounding conductor.				
the execution of		VEGUTION		7	Site	
or bolt anchors means of x-ray.	<u>PART 2 - E</u>	XECUTION			Suj 1	
ed cuts, cores, or	2.01 Cable	e Installation:				
	A. Clea - Co	an Raceways - Clean all raceways prior to installation of cables as specified in Section 26 05 42 onduits Raceway and Fittings.			5t	
	B. All	wiring including low voltage wiring shall be installed in conduit, U.O.N.			i i i i	
ationally check	C. All	feeder conductors shall be continuous from equipment to equipment. Splices in feeders are not mitted unless specifically noted or approved by the Electrical Engineer.				
d equipment	D. All	branch circuit wiring shall be run concealed in ceiling spaces, walls, below floors or in crawl			$S \mid \tilde{Z}$	
onstrate the	spac	ces unless noted otherwise.				
	2.02 Cable	e Terminations and Splices:				
ding the "as	A. Spli B. Terr	minations - Shall comply with the following:				
the work as	1. 1	Make up and form cable and orient terminals to minimize cable strain and stress on device being				
ed. As built	t 2. 1	terminated on. Burnish oxide from conductor prior to inserting in oxide breaking compound filled terminal	——		_	
- 5115H UVHUII.	2. 1	in the second seco		/		
ris that	2.03 Circu A Cole	ut and Conductor Identification: or Coding - Provide color coding for all circuit conductors. Insulation color shall be white for		TEC	VINY	
cceptable to the	neu	trals and green for grounding conductors. Conductor colors shall be as follows:		S A	N I'E	
		VOLTAGE 208/120V Phase A Black Brown		AA	CA/ CA/	
		Phase B Red Orange		E C	A 78 4	
ing equipment		Phase C Blue Yellow Neutral White Grey		Z.L.	151	
the following.		Ground Green Green		No.	1 + 51	
	B. Cole larg	or coding shall be in the conductor insulation for all conductors #10 AWG and smaller; for er conductors, color shall be either in the insulation or in colored plastic tape applied at every				
on and type of	loca	tion where the conductor is readily accessible.				
sult of this	C. Circ plas	cuit Identification - All underground distribution and service circuits shall be provided with stic identification tags in each secondary box and at each termination. Tags shall identify the			PROFESSION	
and plumbing	soui	rce transformer of the circuit and the building number(s) serviced by the circuit.		STERED	DGE O. TE	
	2.04 Field	Tests				
	A. All	systems shall test free from short circuits and grounds, shall be free from mechanical and			No. E17789	
abanical and/or	elec	trical defects, and shall show an insulation resistance between phase conductors and ground of less than the requirements of the CEC. All circuits shall be tested for proper neutral connections		they	AP. 0130/22	N I
en subcontracted	B. Insu	alation Resistance Tests: perform insulation resistance tests on circuits with #2 AWG and larger		No.	ECTRICA	
nstalled by the	con	ductors to be energized with a line-to-neutral voltage of 120 volts or more. Make these tests			E OF CALIFOR	
stalled in	teste	er with a scale reading 100 megohms. The insulation resistance shall be 2 megohms or more.				
wiring and	Sub	mit results for review.			0 to	D THE ATION ON OR TITLE LTING PRIMA ONS.
ight and melting	C. Con mar	nufactor shall torque all termination of feeders/circuits terminations where required per CEC and nufacturer labeling requirements at point of connection.			0306 C. G	ED TC DUCTIC/
face) or Type	GECTION				JLTIN 5.00 , CA	TRICT ND PU EPROF ROHIB ROHIB RESTITU REST
	SECTION 2	26 05 33			NSI S Y B/ -25! εerey	S RES EED, AI H AUF M CON
	JUNCTION	AND PULL BOXES			A CC EER ERE Mont Mont	NNS IS E. REL N PAR N PAR N PAR N PAR N PAR N PAR N PAR
	PART 1 -	PRODUCTS				ICATION ICATIO
	1.01 1.01			,	AL EP M jject	PECIF TO SU WHOL ONS R ONS R
	A. Con	iduit bodies: Cadmium plated, cast iron alloy. Conduit bodies with threaded conduit hubs and	Ś		Prc • Su F.83	AND S H THE H THE HOD IN FICATI
	neo	prene gasketed, cast iron covers. Bodies shall be used to facilitate pulling of conductors or to	LNA		• sourt	ANS / WHIC SLY LII SLY LII SPECIF D VISI
rds. terminal	mak Fori	m 8 Conduits, Appleton Form 35 Unilets or equal.	JLT.		len C	HE PL E FOR AND AND C. AN
	B. She	et Metal Boxes: Use standard outlet or concrete ring boxes wherever possible; otherwise use a	NSL		Gard	L SITE L SITE L SITE S EX FION B PLANS PLANS RS, IN
t a copper ground	min	imum 16 gauge gaivanized sheet metal, NEMA I box sized to Code requirements with covers ired by cadmium plated machine screws located six inches on centers. Circle AW Products	8		60 (T.83	HE USI RIGIN/ EREOI BLICA THE F GINEE CIE E
d in all conduit	Hof	fman Engineering Company or equal.	NO.		DESCRIPTION	Ĕ쑵Ĕ記요ລ호 DATE
	C. Flus reta	sn wounted Pull boxes and Junction boxes: Provide overlapping covers with flush head cover ining screws, prime coated.				
		VECUTION				
	<u>part 2 - E</u>	AECUTION				├───┃
	2.01 Junct	ion And Pull Boxes				
	A. Gen	ieral: Install junction or pull boxes where required to limit bends in conduit runs to not more than 360				,
	(degrees or where pulling tension achieved would exceed the maximum allowable for the cable	The use of	these plans and s	specifications shall be restri	cted to the
	t 2 1	to be installed. Note that these boxes are not shown on the Drawings. Locate pull boxes and junction boxes in concealed locations above accessible ceilings or	expressly lin	nited to such use.	Re-use, reproduction, or art, is prohibited Title to t	publication by
		exposed in electrical rooms, utility rooms or storage areas.	specification with these	ns remains in the	architect without prejudice.	Visual contact a facie evidence
e slabs, install	3. 1	concrete ceilings. Covers shall be of a depth to suit the wall or ceiling finish.	of the acce	eptance of these re	estrictions.	
from	4. 1	Leave no unused openings in any box. Install close-up plugs as required to seal openings.		\vdash		
posed in interior	B. Box	Layouts:		\underline{C}		
tures and met	1. 1	Boxes above hung ceilings having concealed suspension systems shall be located adjacent to		R	~	
iduit shall be	C. Sup	ports:	őź	ST	5	
vings	1. 1	Boxes installed in metal stud walls shall be equipped with brackets designed for attaching directly to the stude or shall be mounted on specified box supports.	Ŏ			
, 11153.	2. 1	Boxes installed in suspended ceilings of gypsum board or lath and plaster construction shall be			して	ž
all not exceed	1	mounted to 16 gauge metal channel bars attached to main ceiling runners. Boxes installed in suspended ceilings supporting acoustical tiles or papels shall be supported.	Ы		X D	
conduits	5.]	directly from the structure above.	В	ĭ	H IAC	
nt or device and	4.]	Boxes mounted above suspended acoustical tile ceilings having exposed suspension systems shall be supported directly from the structure above		Н	st C	≮
s together and	2	same of supported anothy norm the structure above.		<u>O</u>	S E	
of the concrete	SECTION 2	26 28 16	Ō	S F	ž s	
d shall avoid	CIRCUIT B	REAKERS		Ž (` ≯	
es. tlv	PART 1 _ DI	RODUCTS	Z	0	E E E E E E E E E E E E E E E E E E E	
ture.	<u> </u>		ШС	Z		l S
nnels and straps.	1.01 Circu	at Breaker: Each circuit breaker shall consist of the following:	<u>[]</u>		Ļ L	
el 90's with	A. An quic	ck-break action. Each circuit breaker shall have a permanent trip unit containing individual	S	S	N A A	≮
12" above grade.	ther	mal and magnetic trip elements in each pole. Multipole circuit breakers shall have variable	≥		SI B	
	chai	racteristics in each pole. Circuit breakers shall be of the bolt-on type unless otherwise noted.	۳	X	I	
om equipment	B. Brea	aker shall be calibrated for operation in an ambient temperature of 40° C.		$\bigcup_{L \downarrow \downarrow}$	41	5
	D. Thr	ee pole breakers shall be common trip.		RE	4	ŭ
	E. The	circuit breakers shall be constructed to accommodate the supply connection at either end of the uit breaker. Circuit breaker shall be suitable for mounting and exception in any restrict.		SP		
	F. Brea	akers shall be rated as shown on Drawings.	011555			
	G. Brea	akers shall be UL listed. Circuit breakers shall have removable lugs.	SHEET	NUMBER		
	I. Brea	akers shall be UL listed for installation of mechanical screw type lugs.				
				E		
			1			

Xrefs: x 2101.1 BDR

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NO SCALE



F	FIRE ALARM EQU	IPMENT	LIST
SYMBOL	DESCRIPTION AND MODEL NUMBER	MFGR'S PART No.	CSFM LISTING
(E) FCP	EXISTING ADDRESSABLE FIRE ALARM CONTROL PANEL. NOTIFIER, NFS-640.	NFS-640	7165-0028:214
RPS	REMOTE POWER SUPPLY WITH BATTERY CHARGER. NOTIFIER FCPS SERIES.	FCPS-24S6	7315-0028:0225
2	ADDRESSABLE, PHOTELECTRIC SMOKE DETECTOR AND BASE. NOTIFIER FSP SERIES.	FSP-951	7272-0028:0503
٩	ADDRESSABLE 190 DEG. FIXED TEMP. THERMAL DETECTOR. MOUNT IN ACCESSIBLE SPACE ABOVE T-BAR CEILING. NOTIFIER, FST SERIES.	FST-951H	7270-0028:0502
С	ADDRESSABLE CONTROL MODULE, NOTIFIER, FCM SERIES.	FCM-1	7300-0028:0219
M	ADDRESSABLE MONITOR MODULE, NOTIFIER, FMM SERIES.	FMM-1	7300-0028:0219
¤	WALL MOUNTED MULTI-CANDELA, STROBE WITH FIELD SELECTABLE CANDELA SETTINGS OF 15, 30, 75, 95, 110 AND 115 CANDELA. SYSTEM SENSOR	SRL	7125-1653:0504
	WALL MOUNTED WEATHERPROOF FIRE ALARM HORN, SYSTEM SENSOR SPECTRALRERT SERIES, RED FINISH.	HRK	7135-1653:0189
EOL	END OF LINE DEVICE.	-	-



FIRE ALARM GENERAL NOTES

- 1. WIRING MUST BE LISTED FOR USE AS REQUIRED BY TITLE 24/CEC, ARTICLE 760.
- 2. WIRE USED IN WET LOCATIONS SHALL BE OF AN APPROVED TYPE IN ACCORDANCE WITH 3-310-8, T24/CEC (i.e. THHW OR EQUAL).
- 3. UNDER GROUND AND EXTERIOR CONDUITS SHALL HAVE WATERTIGHT FITTINGS AND WIRES APPROVED FOR WET LOCATION.
- 4. ALL CONDUCTORS SHALL BE ROUTED IN CONDUIT UNLESS SPECIFICALLY NOTED OTHERWISE ON PLANS. MINIMUM CONDUIT SIZE SHALL BE 3/4". SEE GENERAL CONSTRUCTION NOTES THIS SHEET FOR ADDITIONAL REQUIREMENTS.
- 5. THE CONDUIT AND WIRE SHOWN ON THESE PLANS ARE SHOWN DIAGRAMMATICALLY. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD TO SUIT FIELD CONDITIONS. "AS-BUILT" PLANS SHALL BE MAINTAINED AND BE PROVIDED AS REQUIRED BY THE PROJECT INSPECTOR OF RECORD.
- 6. PENETRATIONS OF FIRE RATED WALLS SHALL BE PROTECTED IN ACCORDANCE WITH CALIFORNIA BUILDING CODE, CHAPTER 7, TITLE 24. PROVIDE DETAILS OF THROUGH PENETRATION FIRE- STOP SYSTEMS FOR ALL PIPE/CABLE/CONDUIT PASSING THROUGH FIRE RATED WALLS/FLOORS REQUIRING PROTECTED OPENINGS.
- 7. ALL DEVICES SHALL BE "CSFM" LISTED.
- 8. EXTERIOR DEVICES SHALL BE LISTED FOR EXTERIOR USE BY "CSFM."
- 9. AUDIBLE ALARM PRODUCED BY "FACP" SHALL SOUND THE CALIFORNIA UNIFORM SIGNAL IN TEMPORAL MODE.
- 10. AUDIBLE FIRE ALARM SOUND LEVEL SHALL BE AT LEAST 15dba ABOVE THE AVERAGE SOUND LEVEL.
- 11. AUDIBLE SIGNALS INTENDED FOR OPERATION IN THE PUBLIC SHALL HAVE A SOUND LEVEL OF NOT LESS THAN 75dba AT 10 FEET OR MORE THAN 110dba AT THE MINIMUM HEARING DISTANCES FROM THE AUDIBLE APPLIANCE
- 12. WHERE VISUAL DEVICES ARE REQUIRED, VISUAL DEVICE SHOULD NOT EXCEED 2 FLASHES PER SECOND AND SHOULD NOT BE SLOWER THAN 1 FLASH EVERY SECOND. THE DEVICE SHALL HAVE A PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELA. NO PLACE IN ANY ROOM SHALL BE MORE THAN 50 FEET FROM A DEVICE.
- APPROVED BY THE "DIVISION OF THE STATE ARCHITECT/OFFICE OF REGULATION SERVICES." CONTRACTOR SHALL PROVIDE COPIES OF APPROVED PLANS TO THE PROJECT INSPECTOR OF RECORD PRIOR TO BEGINNING WORK. THE CONTRACTOR SHALL SUBMIT SHOP DRAWING TO ENGINEER PRIOR TO PURCHASE FOR REVIEW. THE FIRE PROTECTION SYSTEM SHALL NOT BE INSTALLED UNTIL SHOP DRAWINGS HAVE BEEN SUBMITTED TO AND RECEIVED BY THE ENGINEER OF RECORD.
- 14. FINAL ALARM TEST SHALL BE WITNESSED BY BOTH THE DSA INSPECTOR OF RECORD (IOR) AND LOCAL FIRE AUTHORITY. BOTH THE DSA INSPECTOR OF RECORD (10R) AND THE LOCAL FIRE AUTHORITY SHALL BE NOTIFIED OF DATE AND TIME OF FINAL FIRE ALARM TESTING BY THE FIRE ALARM CONTRACTOR. FIRE ALARM CONTRACTOR SHALL PROVIDE "RECORD OF COMPLETION" TO THE INSPECTOR OF RECORD (IOR)/DSA AFTER COMPLETION OF OPERATIONAL ACCEPTANCE TEST.
- 15. POWER SERVICE SHALL BE ON A DEDICATED, 120V BRANCH CIRCUIT, WITH A RED MARKING AND IDENTIFIED AS "FIRE ALARM CIRCUIT CONTROL."
- AUTOMATIC FIRE ALARM SYSTEM SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NFPA 72 AS AMENDED BY ARTICLE 91. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UUFX OR UUJS BY UNDERWRITERS LABORATORY OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011.
- 17. LOCATION OF DEVICES SHOWN ON THE PLANS ARE AS ACCURATE AS POSSIBLE, IF DEVICES CANNOT BE INSTALLED EXACTLY AS SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL INSTALL THEM AS CLOSE AS POSSIBLE TO THE INDICATED LOCATION. THE FINAL LOCATIONS OF ALL DEVICES SHALL BE RECORDED AND INCORPORATED INTO THE AS-BUILT DRAWINGS.
- 18. THE CIRCUIT DEVICE NUMBERS SHALL BE ASSIGNED BY THE CONTRACTOR DURING INSTALLATION RECORDED AND INCORPORATED INTO THE AS-BUILT DRAWINGS. ALL DEVICES SHALL BE PERMANENTLY AND CLEARLY LABELED BY THE CONTRACTOR WITH THE DEVICE ADDRESS OR CIRCUIT NUMBER.
- 19. SMOKE DETECTORS SHALL NOT BE LOCATED IN A DIRECT AIR FLOW NOR CLOSER THAN 3 FT. FROM AIR SUPPLY DIFFUSERS.
- 20. FIRE ALARM SYSTEM EXTENSION OF WORK SHALL UNDERGO A 100% TEST PRIOR TO SCHEDULE INSPECTION. DOCUMENTATION OF THE 100% TEST AND APPROVAL SHALL BE SUBMITTED TO THE I.O.R.



File name: D:\JOBS\2101.1\

QTY	PRODUCT	DESCRIPTION	STANDBY	
	ID		EACH	TOTAL
1	CPU-640	EXISTING CENTRAL PROCESSING UNIT	0.230000	0.230000
1	KDM-2	KEYBOARD DISPLAY MODULE	0.040000	0.040000
2	AVPS-6R	NOTIFIER POWER SUPPLY	0.025000	0.050000
1	LEM-320	LOOP EXPANDER MODULE	0.100000	0.100000
1	ICE-4	NAC CIRCUIT EXTENDER	0.007000	0.007000
		PANEL STANDBY CURRENT		0.427000
		PANEL ALARM CURRENT		
		FIELD DEVICES		
QTY	PRODUCT	DESCRIPTION	STANDBY	
	ID		EACH	TOTAL
1	LCD-80	REMOTE ANNUNCIATOR	0.100000	0.100000
4	NBG-12LX	ADDRESSABLE PULL STATION	0.000300	0.001200
182	FSP-751	ADDRESSABLE SMOKE DETECTOR	0.000360	0.065520
16	FSD-751P	ADDRESSABLE DUCT SMOKE DETECTOR	0.000150	0.002400
2	FSP-951	(N) ADDRESSABLE SMOKE DETECTOR	0.000200	0.000400
3	FST-951	(N) ADDRESSABLE HEAT DETECTOR	0.000200	0.000600
41	FST-751	ADDRESSABLE HEAT DETECTOR	0.000300	0.012300
32	FMM-1	ADDRESSABLE MONITOR MODULE	0.000375	0.012000
6	FCM-1	ADDRESSABLE CONTROL MODULE	0.000390	0.002340
20	FRM-1	ADDRESSABLE CONTROL MODULE	0.000270	0.005400
1	FMM-1	(N) ADDRESSABLE MONITOR MODULE	0.000375	0.000375
1	FCM-1	(N) ADDRESSABLE CONTROL MODULE	0.000485	0.000485
1	UDACT	DIGITAL ALARM ANNUNCIATOR	0.040000	0.040000
20	ISO-X	ADDRESSABLE ISOLATOR MODULE	0.000460	0.009200
13	NS-24MCW-FR	HORN/STROBE 15CD	0.000000	0.000000
3	NS-24MCW-FR	HORN/STROBE 30CD	0.000000	0.000000
4	NS-24MCW-FR	HORN/STROBE 75CD	0.000000	0.000000
2	NS-24MCW-FR	HORN/STROBE 110CD	0.000000	0.000000
26	RSS-241MCW-FR	STROBE 15CD	0.000000	0.000000
7	RSS-241MCW-FR	STROBE 30CD	0.000000	0.000000
2	RSS-241MCW-FR	STROBE 75CD	0.000000	0.000000
10	AH-24WP-FR	WEATHERPROOF HORN	0.000000	0.000000
0	NH-12/24R	INTERIOR HORN	0.000000	0.000000
4	DSM-12/24R	DUAL SYNCH MODULE	0.000000	0.000000
		DESCRIPTION		STANDBY
		CONTROL PANEL		0.427000
		FIELD DEVICES		0.252220
		TOTAL STANDBY CURRENT		0.679220
		X 24 HOUR STANDBY		16.301280
		TOTAL ALARM CURRENT		
		5 MINUTES OF ALARM (X .083)		
		TOTAL BATTERY REQUIREMENT		
		SAFETY MARGIN (20%)		



Xrefs: x 2101.1 BDR

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NON STUDENT NEW STUDENT NEW STUDENT SHEET NUMBER FA3.1 SHEET NUMBER FA3.1 DATE: 10 NOVEMBER 2021 JOB DRAWN

DSA APPROVAL

C 2021, KASAVAN ARCHITE

SECTION 16720 - FIRE ALARM SYSTEM

PART 1 - GENERAL

- 1.01 DESCRIPTION OF WORK:
- A. FURNISH AND INSTALL ALL MATERIALS AND EQUIPMENT INCLUDING ALL REQUIRED EQUIPMENT, PANELS, RACEWAYS, CONDUCTORS AND CONNECTIONS, AND PROVIDE ALL LABOR REQUIRED AND NECESSARY TO COMPLETE THE WORK SHOWN ON THE DRAWINGS AND/OR SPECIFIED IN ALL SECTIONS OF DIVISION 16 AND ALL OTHER WORK AND MISCELLANEOUS ITEMS, NOT SPECIFICALLY MENTIONED, BUT REASONABLY INFERRED FOR A COMPLETE EXTENSION OF THE EXISTING ADDRESSABLE FIRE ALARM, INCLUDING ALL ACCESSORIES AND APPURTENANCES REQUIRED FOR TESTING THE SYSTEMS. IT IS IN THE INTENT OF THE DRAWINGS AND SPECIFICATIONS THAT ALL SYSTEMS WILL BE COMPLETE, AND READY FOR OPERATION. NO EXTRA CHARGE WILL BE PAID FOR FURNISHING ITEMS REQUIRED BY REGULATIONS, BUT NOT SPECIFIED HEREIN, OR ON DRAWINGS.
- B. CONTRACTOR SHALL INCLUDE ALL COSTS TO DE-COMMISSION THE EXISTING SYSTEM BEFORE ANY NEW CONSTRUCTION CAN START. THE DISTRICT SHALL BE ADVISED IN WRITING THE DATE AS TO WHEN THE EXISTING SYSTEM WILL BE DE-COMMISSIONED. THE CONTRACTOR SCOPE OF WORK SHALL NOT DEGRADE ANY FUNCTION OR OPERATION OF THE REMAINING SITE FIRE ALARM SYSTEM.
- 1.02 RELATED WORK:1. ALL OTHER SECTIONS OF DIVISION 16.
- 1.03 CODES AND STANDARDS:
- A. DEVICES AND EQUIPMENT FOR FIRE ALARM SYSTEMS SHALL BE U.L. LISTED.
 B. UL 864 CONTROL UNITS, FIRE PROTECTIVE SIGNALING SYSTEMS.
 C. DEVICES AND EQUIPMENT FOR FIRE ALARM SYSTEM SHALL BE LISTED BY THE CALIFORNIA STATE FIRE MARSHAL FOR THE SPECIFIC PURPOSE THE
- DEVICE OR EQUIPMENT IS USED. D. WORK AND MATERIAL SHALL BE IN COMPLIANCE WITH AND ACCORDING TO THE REQUIREMENTS OF THE LATEST VERSION OF THE BUILDING CODES AS NOTED ON DRAWINGS.
- 1.04 SUBMITTALS:
- A. IN ACCORDANCE WITH DIVISION 16. B. SUBMIT THE FOLLOWING ITEMS:
- MANUFACTURER'S CATALOG DATA: MANUFACTURER'S ORIGINAL CATALOG CUTS AND ORIGINAL DESCRIPTION OF DATA OF ALL MATERIAL AND EQUIPMENT WITH SUFFICIENT INFORMATION PROVIDED SO THAT THE EXACT FUNCTION OF EACH DEVICE IS KNOWN. EACH ITEM SUPPLIED SHALL BE CLEARLY IDENTIFIED INCLUDING BOTH U.L. NUMBER AND A COPY OF THE STATE FIRE MARSHAL'S LISTING.
- C. DESCRIPTION OF CONDUCTORS TO BE USED WITH A STATEMENT THAT ALL WIRE SHALL BE IN CONDUIT. WHERE ACCESSIBLE CEILING OCCURS, PLENUM RATED WIRE ON J-HOOKS IS ACCEPTABLE.
- 1.05 QUALITY ASSURANCE:
- A. INSTALLER: THE INSTALLATION FIRM SHALL BE AN ESTABLISHED COMMUNICATIONS AND ELECTRONICS CONTRACTOR WITH AT LEAST 5 YEARS SUCCESSFUL INSTALLATION EXPERIENCE OF PRODUCTS UTILIZING INTEGRATED COMMUNICATIONS SYSTEMS AND EQUIPMENT SPECIFIC TO THAT REQUIRED FOR THIS PROJECT. ONLY CALIFORNIA CERTIFIED FIRE ALARM TECHNICIANS OR CALIFORNIA CERTIFIED ELECTRICIAN SHALL BE USED TO INSTALL THE FIRE ALARM SYSTEM.
- B. ALL MATERIALS, UNLESS OTHERWISE SPECIFIED, SHALL BE NEW, AND FREE FROM ANY DEFECTS. ALL ITEMS OF EQUIPMENT INCLUDING WIRE AND CABLE SHALL BE DESIGNED BY THE MANUFACTURER UNLESS OTHERWISE SPECIFIED, SHALL FUNCTION AS A COMPLETE SYSTEM AND SHALL BE ACCOMPANIED BY THE MANUFACTURER'S COMPLETE SERVICE NOTES AND DRAWINGS DETAILING ALL INTERCONNECTIONS.
- C. THE CONTRACTOR SHALL SHOW SATISFACTORY EVIDENCE, UPON REQUEST, THAT HE MAINTAINS A FULLY EQUIPPED SERVICE ORGANIZATION CAPABLE OF FURNISHING ADEQUATE INSPECTION AND SERVICE TO THE SYSTEM. THE CONTRACTOR SHALL MAINTAIN AT HIS FACILITY THE NECESSARY SPARE PARTS IN THE PROPER PROPORTION AS RECOMMENDED BY THE MANUFACTURER TO MAINTAIN AND SERVICE THE EQUIPMENT BEING SUPPLIED.
- D. THE SYSTEM MANUFACTURER SHALL MAINTAIN ENGINEERING AND SERVICE DEPARTMENTS CAPABLE OF RENDERING ADVICE REGARDING INSTALLATION AND FINAL ADJUSTMENT OF THE SYSTEM.
- 1.06 WARRANTIES:
- A. THE CONTRACTOR SHALL WARRANT ALL EQUIPMENT AND WIRING FREE FROM INHERENT MECHANICAL AND ELECTRICAL DEFECT FOR ONE YEAR (365 DAYS) FROM THE DATE OF FINAL ACCEPTANCE. THE CONTRACTOR SHALL WITHOUT ADDITIONAL EXPENSE TO THE OWNER, REPLACE ANY DEFECTIVE MATERIALS OR EQUIPMENT PROVIDED BY HIM UNDER THIS CONTRACT WITHIN THE WARRANTY PERIOD.

PART 2 - PRODUCTS

- 2.01 FIRE ALARM CONTROL PANEL:
- A. THE FIRE ALARM CONTROL PANEL IS EXISTING TO REMAIN, SEE DRAWINGS FOR EXTENSION OF THE EXISTING SYSTEM.
 2.02 BATTERY CHARGER:
- A. BATTERY CHARGER IS EXISTING TO REMAIN.
- 2.05 DETECTION DEVICES: A. DETECTORS: AS NOTED ON DRAWINGS

2.06 ALARM NOTIFICATION DEVICES:

- A. COLOR OF NOTIFICATION APPLIANCES SHALL BE RED, UNLESS OTHERWISE NOTED BY DISTRICT.
 B. ALL ALARM NOTIFICATION DEVICES SHALL BE SYNCHRONIZED THROUGHOUT THE
- SCHOOL CAMPUS .
 C. HORNS/STROBES: PROVIDE RECESSED MOUNTED, GRILLE FACE, VIBRATING DIAPHRAGM TYPE, AUDIO ALARM DEVICES CONSISTING OF AN ELECTRO-MECHANICAL HORN SUITABLE FOR USE IN AN ELECTRICALLY SUPERVISED CIRCUIT. HORN/STROBES SHALL BE PROVIDED WITH A RED, TAMPER RESISTANT GRILL. HORN SHALL HAVE A MINIMUM SOUND RATING OF 90 DBA AT 10 FEET AND HAVE FIELD SELECTABLE SOUND LEVELS. HORNS SHALL BE CAPABLE OF PROVIDING A SYNCHRONIZED, FIELD SELECTABLE, TEMPORAL CODE 3 TONE. HORNS SHALL HAVE A SEPARATE MINIMUM CANDELA AS SHOWN ON THE DRAWINGS AND FLASH 60 TIMES PER MINUTE UNLESS OTHERWISE NOTED. LAMPS SHALL BE PROTECTED BY A CLEAR POLYCARBONATE LENS. HOUSING SHALL BE LABELED "FIRE" IN RED VERTICAL LETTERING.

2.07 WIRING AND CONDUIT:

- A. PROVIDE WIRING IN ACCORDANCE WITH NFPA 72.
 B. CONDUCTORS SHALL BE SOLID COPPER. CONDUCTORS FOR 120 VOLT CIRCUITS SHALL BE NO. 12 AWG MINIMUM; CONDUCTORS FOR LOW-VOLTAGE DC CIRCUITS SHALL BE NO. 14 AWG MINIMUM FOR ANNUNCIATION CIRCUITS AND NO. 14 AWG MINIMUM FOR INITIATION CIRCUITS. ALL CABLES SHALL BE RATED AND CODE COMPLIANT FOR THEIR USE.
 1. ALL LOW VOLTAGE WIRING NOT INSTALLED IN CONDUITS SHALL BE PLENUM
- RATED. 2. PROVIDE COLOR-CODED CONDUCTORS. IDENTIFY CONDUCTORS BY PLASTIC-COATED, SELF-STICKING, PRINTED MARKERS OR BY HEAT-SHRINK TYPE SLEEVES. EACH CONDUCTOR USED FOR THE SAME SPECIFIC FUNCTION SHALL
- BE DISTINCTLY COLOR CODED. USE DIFFERENT COLOR CODES FOR EACH INTERIOR CIRCUIT. EACH CIRCUIT COLOR CODE WIRE SHALL REMAIN UNIFORM THROUGHOUT THE CIRCUIT.
- PIGTAIL OR "T" TAP CONNECTIONS TO THE EVACUATION ALARM HORNS, HORN/STROBES AND STROBES ARE NOT ACCEPTABLE.
 UNDERGROUND CIRCUIT OR CIRCUITS IN WET AREAS SHALL BE GEL FILLED
- CABLES IN SCHEDULED 40 PVC CONDUIT. THERE SHALL BE NO SPLICING OF ANY UNDERGROUND CABLES. C. CONDUITS:
- 1. IDENTIFICATION OF CONDUIT: UNLESS OTHERWISE NOTED ON DRAWINGS ALL FIRE ALARM CABLING SHALL BE INSTALLED IN CONDUIT. NEW CONDUITS CONTAINING FIRE ALARM SYSTEM CONDUCTORS SHALL BE RED, ¾" MINIMUM. JUNCTION-BOXES, COVERS, GUTTERS, AND TERMINAL CABINETS, CONTAINING FIRE ALARM SYSTEM CONDUCTORS, SHALL BE PAINTED RED OR PROVIDED RED IN COLOR WITH ENGRAVED PLASTIC IDENTIFICATION SIGNS PERMANENTLY ATTACHED TO THE EQUIPMENT.
- DO NOT RUN FIRE ALARM CIRCUITS IN THE SAME CONDUIT WITH THE NON-FIRE ALARM CIRCUITS.
 DO NOT RUN AC CIRCUITS IN THE SAME CONDUIT WITH THE FIRE ALARM
- CIRCUITS.PROVIDE WIRING IN RIGID METAL CONDUIT FOR EXTERIOR INSTALLATIONS OR
- WHERE EXPOSED TO DAMAGE.
 5. CONCEAL CONDUIT IN FINISHED AREAS OF NEW CONSTRUCTION AND WHEREVER PRACTICAL IN EXISTING CONSTRUCTION. CONDUIT RUNS SHALL BE STRAIGHT, NEATLY ARRANGED PROPERLY SUPPORTED AND PARALLEL OR PERPENDICULAR TO WALLS AND PARTITIONS. IDENTIFY CONDUCTORS WITHIN EACH ENCLOSURE WHERE A TAP, SPLICE, OR TERMINATION IS MADE.

PART 3 - EXECUTION

- 3.01 INSTALLATION:
- A. EQUIPMENT, MATERIALS, INSTALLATION, WORKMANSHIP, INSPECTION, AND TESTING SHALL BE IN ACCORDANCE WITH THE NFPA PUBLICATIONS AND AS MODIFIED HEREIN.
- B. FOLLOW MANUFACTURER'S DIRECTIONS IN ALL CASES FOR INSTALLATION, TESTING AND ENERGIZING.C. ACCURATELY SET, LEVEL, SUPPORT, AND FASTEN ALL EQUIPMENT.
- D. SMOKE AND HEAT DETECTORS:
 1. NO DETECTOR SHALL BE LOCATED CLOSER THAN 12 INCHES TO ANY PART OF ANY LIGHTING FIXTURE. DETECTORS, LOCATED IN AREAS SUBJECT TO MOISTURE OR EXTERIOR ATMOSPHERIC CONDITIONS, OR HAZARDOUS LOCATIONS AS DEFINED BY NFPA 70, SHALL BE APPROVES FOR SUCH LOCATIONS.
- 2. PROVIDE GUARDS FOR ALL DETECTORS MOUNTED IN ANY HIGH ATHLETIC ACTIVITY AREAS SUCH AS GYM'S, WRESTLING ROOMS, SHOWER ROOMS.
- CONDUIT WHERE EXPOSED SHALL BE INSTALLED PARALLEL WITH THE WALLS OF STRUCTURAL ELEMENTS; VERTICAL RUNS TO BE PLUMB; HORIZONTAL RUNS TO BE LEVEL OR PARALLEL WITH STRUCTURE; CONDUIT GROUPED NEATLY TOGETHER WITH STRAIGHT RUNS, ALL BENDS PARALLEL AND UNIFORMLY SPACED.
- F. EARTHQUAKE RESISTANT INSTALLATION/FASTENING OF ALL ELECTRICAL EQUIPMENT SHALL CONFORM TO THE GENERAL REQUIREMENTS OF SECTION 1614A OF THE CALIFORNIA BUILDING CODE.

3.02 PRELIMINARY TESTS:

- A. CONDUCT THE FOLLOWING TESTS DURING INSTALLATION OF WIRING AND SYSTEM COMPONENTS. CORRECT DEFICIENCY PERTAINING TO THESE REQUIREMENTS PRIOR TO FORMAL FUNCTIONAL AND OPERATIONAL TESTS OF THE SYSTEM, PRELIMINARY TESTS SHALL BE PERFORMED IN THE PRESENCE OF THE LOCAL FIRE AUTHORITY AND PROJECT INSPECTOR OF RECORD TO DETERMINE THE CONFORMANCE WITH THE SPECIFIED REQUIREMENTS.
- B. GROUND RESISTANCE: MEASURE THE RESISTANCE OF EACH CONNECTION TO GROUND. GROUND RESISTANCE SHALL NOT EXCEED 10 OHMS.
 C. DIELECTRIC STRENGTH INSULATION RESISTANCE: TEST THE DIELECTRIC STRENGTH AND THE INSULATING RESISTANCE OF THE SYSTEM INTERCONNECTING WIRING BY MEANS OF AN INSTRUMENT CAPABLE OF GENERATING 500 VOLTS OF DC AND EQUIPPED TO INDICATE LEAKAGE CURRENT 1000 MEGOHMS. FOR THE PURPOSE OF THIS TEST, CONNECT THE INSTRUMENT BETWEEN EACH CONDUCTOR ON THE LINE AND BETWEEN EACH CONDUCTOR AND GROUND AT THE CONTROL PANEL END OF THE LINE, WITH THE OTHER EXTREMITY OPEN CIRCUITED AND ALL SERIES-CONNECTED DEVICES IN PLACE. THE SYSTEM SHALL WITHSTAND THE TEST WITHOUT BREAKDOWN AND SHALL INDICATE A RESISTANCE OF NOT LESS THAN 1.0 MINUTE WITH A DC POTENTIAL
- OF NOT LESS THAN 100 VOLTS AND NOT MORE THAN 500 VOLTS. D. STANDBY BATTERY TEST: PRIOR TO FORMAL INSPECTION AND TESTS, PLACE THE FIRE ALARM SYSTEM ON STANDBY BATTERY POWER FOR 24 HOURS; IMMEDIATELY THEREAFTER, SOUND THE BUILDING EVACUATION ALARM SIGNALING DEVICES FOR 5 MINUTES. WHEN THE TEST IS COMPLETE, THE FIRE ALARM SYSTEM BATTERY CHARGER SHALL BE FULLY RECHARGED WITHIN 24 HOURS.



MODULAR TOILET BUILDING (MODELS 'A', 'B', 'C' A

SILVER CREEK INDUSTRIES

2830 BARRETT AVE, PERRIS, CALIFORNIA 92 PHONE : (951) 943-5393 FAX : (951) 943-22

PC 04-119218

BY

SPRECKELS UNION SPRECKELS ES (1) 12x40 RESTROC

GENERAL NOTES	BUILDING [DATA			
1. FIRE ALARM IS NOT PART OF THIS APPROVAL	NUMBER OF STORIES:	1 - STORY			
 ALLOWABLE AREA IS BASED ON 10' SET BACK FROM IMAGINARY ASSUMED LINE PER 2019 CBC 705.3 	OCCUPANCY:	E or B			
3. THIS PC IS DESIGNED STRUCTURALLY TO SUPPORT THE WEIGHT OF A	TYPE OF CONSTRUCTION:	PE OF CONSTRUCTION: V-B			
FIRE SPRINKLER SYSTEM.	FLOOR LIVE LOAD:	FLOOR LIVE LOAD: 50 PSF			
5. FOR SOILS TYPES / DESIGN BEARING STRENGTH, SEE STRUCTURAL	ROOF LIVE LOAD:	ROOF LIVE LOAD: 20 PSF			
	FLOOR DEAD LOAD:	WOOD FLOOR - 11 PSF	ICRETE FLOOR - 35 PSF		
REGULATIONS (CCR)	ROOF DEAD LOAD:	18 PSF (INCLUDING SPRINKLER LOAD ANI	D 0 PSF SOLAR LOAD)		
7. THIS PC IS NOT APPROVED FOR "A" OCCUPANCY USES	SOLAR ALLOWANCE:	0.6 PSF OVER ENTIRE ROOF AREA			
 EXTERIOR WALL OPENINGS TO COMPLY W/ 705.8, 2019 CBC. EXTERIOR PROJECTIONS ARE TO BE FIRE PROTECTED WHERE 	RAMP LIVE LOAD:	100 PSF			
REQUIRED BY SECTIONS 705.2 & 1405.	BUILDING AREA:	480 SF (NO OVERHANG)			
 SEE SHEETS A-0.7 FOR REQUIRED BUILDING ENVELOPE ASSEMBLIES AND HVAC SYSTEM. 		570 SF (WITH OVERHANG)			
11. PURSUANT TO D.S.A. APPROVAL ALL PRODUCTS CAN BE SUBSTITUTED BY AN "EQUAL"	(ALL w/o OVERHANGS)				
12. BUILDING(S) TO BE LOCATED IN ANY FIRE HAZARD SEVERITY ZONE OR	FOUNDATION:				
CHAPTER 7A.	CEC CLIMATE ZONE:				
13. WHEN THE PRE-CHECKED BUILDING IS SITE ADAPTED, THE BUILDING AND SITE FEATURES NEED TO COMPLY WITH CALGREEN CODE. SECTION		PRESSURE	1 000 mof		
5.507.4 FOR THE SITE SPECIFIC LOCATION			1,000 psi		
AND MAINTENANCE DOCUMENTATION FOR ALL MECHANICAL AND			1,000 psi		
LIGHTING CONTROL SYSTEMS AND CONTROLS SHALL BE PROVIDED TO THE PROJECT OWNER			1,000 psi		
mentoseerownen			1,000 psi		
			1,500 psi		
)	1,500 psi		
	GROUND SNOW LOAD, Pa FR	OM COUNTY	0		
	ROOF SNOW LOAD: FLAT PF OR LOW-SLOW, Pm OR SLOPED, PS				
	SNOW EXPOSURE FACTOR C		-		
APPLICABLE STANDARDS	SNOW IMPORTANCE FACTOR	l _s	1.0		
	THERMAL FACTOR C _t		-		
NFPA 13 AUTOMATIC SPRINKLER SYSTEMS (CALIF AMENDED) 2019 EDITION NEPA 72 NAT_FIRE ALARM CODE (CALIF AMENDED) 2019 EDITION	FLOOD DESIGN	4			
(NOTE: SEE UL STANDARD 1971 FOR "VISUAL DEVICES")	FLOOD HAZARD AREA	YES NO			
	WIND DESIGN				
	BASIC WIND SPEED (3 SECON	105			
			C		
APPLICABLE CODES	SEISMIC DESIGN		1		
LIST OF 2019 CALIFORNIA CODE OF REGULATIONS	LATERAL FORCE-RESISTING S	SYSTEM	OMF		
	ANALYSIS PROCEDURE		EQIV. LATERAL FORCE		
2019 CALIFORNIA BUILDING CODE (CBC), VOLUMES 1 & 2 PART 2 TITLE 24 C.C.R	SEISMIC DESIGN CATAGORY ((SDC)	E		
(2015 INTERNATIONAL BUILDING CODE VOLUMES 1-2 & 2018 CALIFORNIA	SEISMIC IMPORTANCE FACTO	R I _e	1.0		
AMENDMENTS)	SEISMIC RESPONSE COEFFIC	IENT C _s	0.437		
2019 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.	RESPONSE MODIFICATION CO	DEFFICIENT R	3.5		
(2017 NATIONAL ELECTRICAL CODE & 2016 CALIFORNIA AMENDMENTS)	SITE CLASS		D ++		
2019 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R.	MAPPED SPECTRAL RESPONS	SE ACCELERATION AT SHORT PERIOD S_S	2.3		
(2018 IAPMO UNIFORM MECHANICAL CODE & 2016 CALIFORNIA	SHORT PERIOD SITE COEFFIC	IENT F _a	1.0		
AMENDMENTS)	DESIGN SPECTRAL RESPONS	E ACCELERATION AT SHORT PERIOD S_{DS}	1.53		
2019 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.	MAPPED SPECTRAL RESPONS	SE ACCELERATION AT 1-SECOND PERIOD	S ₁ 2.0 ++		
(2018 IAPMO UNIFORM PLUMBING CODE & 2016 CALIFORNIA AMENDMENTS)	LONG PERIOD SITE COEFFICIE	ENT, <i>F_v</i>	1.7		
2019 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R.	DESIGN SPECTRAL RESPONS	S _{D1} 2.0			
2019 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R. (2010 INTERNATIONAL FIRE CODE & 2016 CALIFORNIA AMENIDMENTS)	HORIZONTAL OR VERTICAL IR	REGULARITY TYPES	NONE		
2019 CALIFORNIA CIRCLEN BOILDING STANDARDS CODE, FART 11, TITLE 24 C.C.R. NFPA 13 AUTOMATIC SPRINKLER SYSTEMS 2019 EDITION (WHERE APPLICABLE) NFPA 72 NATIONAL FIRE ALARM CODE 2019 EDITION (WHERE APPLICABLE) (NOTE: SEE UL STANDARD 1971 FOR "VISUAL DEVICES")	** SITE SPECIFIC GEOTECHNICAL STUDY IS NOT REQUIRED PER THE EXCEPTIONS TO ASCE 7-16 SECTION 11.4.8. PER EXCEPTION #2 THE VALUE OF Cs HAS BEEN DETERMINED BY EQUATION 12.8-2 FOR A VALUE OF T < 1.5 Ts.				
· · · · · /					

		SH
	SHT NO.	ARCHITECTURAL
	A-0	COVER SHEET
$\sim 10' \vee 40'$	A-0A A-0.0	T & I FORMS BUILDING OPTIONS SCHEDULE
JO = IZ A 4U	A-0.1	SYMBOLS LEGEND, ABBREVIATION, AND ADA SIGNAGE
	A-0.2 A-0.6A	SCHEDULES CERTIFICATE OF COMPLIANCE FORMS
(D, T, T)	A-0.6B	CERTIFICATE OF COMPLIANCE FORMS
HE DI	A-0.6C A-0.7	ENERGY MANDATORY MEASURES & CALGREEN SPEC'S
	A-1.01 A-1.02	FLOOR PLAN - "MODEL A-1" OR "MODEL A-2" FLOOR PLAN - "MODEL D-1" OR "MODEL D-2"
	A 1.00	FLOOR PLAN - "MODEL 0-1" OR "MODEL 0-2"
	<u>A 1.01</u>	FLOOR PLAN "MODEL D 1"
	A-2.01	REFLECTED CEILING PLAN - "MODEL A-1" OR "MODEL A-2"
	A-2.02	REFLECTED CEILING FLAN - MODEL D-1 OK MODEL D-2 REFLECTED CEILING FLAN - "MODEL C-1" OR "MODEL C-2"
	A 2.04	REFLECTED CEILING PLAN - "MODEL D 4"
	A-2.20	CEILING DETAILS - T-GRID
	A-2.21	CEILING DETAILS - HARD LID
5. INC.	A-3.01	ROOF PLAN - METAL DECK- MONO OR DUAL SLOPE
	A 3.31	ROOF PLAN TO MONO OR DUAL SLOPE PARAPET
2371	A-3.41	
2211	A-3.50	ROOF DETAILS - METAL DECK
	A 3.00	ROOF DETAILS TPO ROOF
」 し し	A-4 01	
	<u>A-4.11</u>	EXTERIOR ELEVATIONS - "MODEL A-1" - MONO OR DUAL SLOPE / PA
	<u>A 1.02</u>	EXTERIOR ELEVATIONS "MODEL A 2" MONO OR DUAL CLOPE
	A-4.00	EXTERIOR ELEVATIONS - "MODEL D-1" - MONO OR DUAL SLOPE
	<u>A 4.10</u>	EXTERIOR ELEVATIONO - "MODEL D-1" - MONO OR DUAL OLOPE / PA
JIVI	A-4.14	EXTERIOR ELEVATIONS - "MODEL D-2" - MONO OR DUAL SLOPE / PA
	A-4.05	EXTERIOR ELEVATIONS - "MODEL C-1" - MONO OR DUAL SLOPE
	A-4.00	EXTERIOR ELEVATIONS - "MODEL C-2" - MONO OR DUAL SLOPE
	<u>∧ 4.10</u> <u>∧ 4.07</u>	EXTERIOR ELEVATIONS - "MODEL O 2" MONO OR DUAL CLOPE / PA
	A-4.17	EXTERIOR ELEVATIONS - "MODEL D-1" - MONO OR DUAL SLOPE / PA
	A-5.01	CROSS SECTION - MONO SLOPE
	A 5.02	OROGO CECTION BUAL CLOPE
	A-5.05	CROSS SECTION
	A-5.50	ARCHITECTURAL DETAILS - WOOD STUD - WOOD SIDING
	A-5.51	ARCHITECTURAL DETAILS - WOOD STUD - PLASTER
	A-5.52 A-5.53	ARCHITECTURAL DETAILS - WOOD STUD - WOOD SIDING - THOUR ARCHITECTURAL DETAILS - WOOD STUD - PLASTER - THOUR RATE
	A-5.00	ARCHITECTURAL DETAILO - OTEEL OTUD - PLAOTER
	A-5.02	ARCHITECTURAL DETAILS - STEEL STUD - WOOD SIDING - 1 HOUR
	A-5.04	ARCHITECTURAL DETAILS - 1 HOUR RATED OPTIONS
	A-5.70	ARCHITECTURAL DETAILS - FLOOR
	A-5.81	ARCHITECTURAL DETAILS - MISCELLANEOUS/OPTIONS
	A 6.01	INTERIOR ELEVATIONS WALL MOUNTED ADULT
	A 6.02	
	A-6.03	INTERIOR ELEVATIONS - WALL MOUNTED AGE 5-8 & 9-12 INTERIOR ELEVATIONS - FLOOR MOUNTED AGE 5-8 & 9-12
		INTERIOR ELEVATIONS FLOOR MOUNTED AGE 3-1
	T-0.50	FOUNDATION DETAILS - WOOD
	F-1.11	CONCRETE FOUNDATION PLAN ABOVE CRADE CONCRETE FLOC
	F-1.50	CONCRETE FOUNDATION DETAILS ABOVE CRADE
	F-2.01	CONCRETE FOUNDATION PLAN - BELOW GRADE - WOOD FLOOR
	F-2.50	CONCRETE FOUNDATION PLAN - BELOW ORADE - CONCRETE FLOC CONCRETE FOUNDATION DETAILS - BELOW GRADE
	F-2.51	FOUNDATION DETAILS - CONCRETE

ст			
	SHT NO.	STRUCTURAL	
	S-0.1	STRUCTURAL SPECIFICATIONS	
	0-1.01	FLOOR FRAMING PLAN - CONCRETE FLOOR	
	S-1.50 S-1.00	FLOOR FRAMING DETAILS - WOOD FLOOR FLOOR FRAMING DETAILS - CONCRETE FLOOR	
	S 0.04		
	5-2.01 <u>6 2.11</u>	ROOF FRAMING PLAN - MONO SLOPE	
	0.0.01		
	0 2.21		PROJECT SPECIFIC STATE AGENCY APPROVAL
	S-2.50	ROOF FRAMING DETAILS - MONO SLOPE	
	S-2.60	ROOF MISC. DETAILS	THE PROPERTY OF SILVERCREEK INDUSTRIES, INC (SCI Inc) AND
	0-2.70	ROOF FRAMING DETAILO - PARAPET	SHALL NOT BE REPRODUCED; COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE
	S-3.01	BUILDING SECTION - MONO SLOPE ROOF	FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE
	3-3.02	BUILDING SECTION - DUAL SLOPE ROOF	MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN
	S-5.00	WALL FRAMING ELEVATIONS - WOOD STUDS	CONSENT OF SCI Inc. ALL PATENTABLE MATERIAL CONTAINED HEREIN AND
	S-5.10 S-5.11	WALL FRAMING DETAILS - WOOD STUDS WALL FRAMING DETAILS - WOOD STUDS	ORIGINATING WITH SCI Inc SHALL BE THE PROPERTY OF SCI Inc
	0.5.00		PROJECT NAME:
	0-5.30	WALL FRAMING DETAILS - OTEEL OTUDO	
	3-5.31	WALL FRAMING DETAILS - STEEL STUDS	SPRECKELS UNION SD
			SPRECKELS ES
			(1) 12x40 RESTROOM
			· / · · · · · · · · · · · · · · · · · ·
			SHEET TITLE:
PET -			
DET	STI NU.		COVER SHEET
α ⊑ I	P-1.01E	PLUMBING PLAN AND ISOMETRICS - 3-4, 5-8, 9-12 "MODEL A-1" OR "MODEL A-2"	
PET		PLUMBING PLAN AND IGOMETRICS - ADULT "MODEL D-1" OR "MODEL D-2"	
PET	P-1.03A	PLUMBING PLAN AND ISOMETRICS - ADULT "MODEL C-1" OR "MODEL C-2"	REVISIONS
PET	P-1.03E P-1.04A	PLUMBING PLAN AND ISOMETRICS - 3-4, 3-0, 9-12 "MODEL C-1" OR "MODEL C-2" PLUMBING PLAN AND ISOMETRICS - ADULT "MODEL D-1"	$\frac{21}{2}$
	P 1.01E	PLUMBING PLAN AND ICOMETRICS 0 4, 5 6, 9 12 "MODEL D 1"	
αLİ	P-2.01	PLUMBING DETAILS AND SCHEDULE	
FET			5
			PRE-CHECK (PC) DOCUMENT
	SHT NO.	MECHANICAL	
	M-0.1	MECHANICAL NOTES, SCHEDULES, AND DETAILS	
			APPROVED
			DIV. OF THE STATE ARCHITECT
TED	SHT NO.	ELECTRICAL	
	E-1.01	ELECTRICAL PLAN AND SCHEDULE - "MODEL A-1" OR "MODEL A-2"	
	E-1.02	ELECTRICAL PLAN AND SCHEDULE - "MODEL D-1" OR "MODEL D-2" ELECTRICAL PLAN AND SCHEDULE - "MODEL D-4" OR "MODEL D-2"	DATE: 07/01/2021
	E-1.04	ELECTRICAL FLAN AND SCHEDULE - "MODEL D-1"	
(TED			
			SILVER CREEK INDUSTRIES, INC.
	SHT NO.	RAMP	
	R 1.01		
	R-1.03		
	R-1.04		SILVER I
	R-2.01	RAWF DETAILS	
			Building for the Next Generation
	SHT NO.	RELOCATABLE SHEETS	2830 BARRETT AVE PERRIS, CALIFORNIA 92571 PHONE: 951-943-5393 FAX: 951-943-2211
	-REL-101	BUILDING RELOCATION BETAILS	
			MODULAR BUILDING DESIGN PROFESSIONAL
			NAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
			PROFESSION HA
			A ST SHILL SHE SHE
			A HOTAL A
			A Charles and the second secon
			PUCTURE PLAT
			- DD WWWWWWWWW
			SILVER CREEK INDUSTRIES
			12' x 40' PC
			PROJECT NO:
			DATE: 06-22-2020
			P.C. SHEET NUMBER
			P.C. SHEET NUMBER
			P.C. SHEET NUMBER
			P.C. SHEET NUMBER
			P.C. SHEET NUMBER

The example form DSA 103s shown on this sheet are for illustration purposes only. A form DSA 103 is to be completed for each application that this PC is being incorporated into and all example form DSA-103s ar to be crossed out on this drawing.

- UT TESTING SHALL BE PERFORMED ON 100% OF CJP GROOVE WELDS COLUMN SPLICES OR BEAM SPLICES WHERE THE MATERIAL THICKNESS BEING WELDED IS 5/16" OR GREATER.
- UT TEST SHALL NOT BE REQUIRED TO BE PERFORMED ON CJP GROOVE WELDS WHERE THE MATERIAL THICKNESS BEING WELDED IS 1/4" OR LESS.
- MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON 25% OF ALL BEAM TO COLUMN OR TRUSS CHORD TO COLUMN CJP GROOVE WELDS.

	Test or Special Inspec	or Special Inspection Type				С
V	a. Verify use of required	d design mix.	P	Periodic	SI	Т
V	b. Identifiy, sample, and	d test reinforcing steel.		Test	LOR	1 A
V	c. During concrete plac for strength tests, perfo tests, and determine the concrete.	Puring concrete placement, fabricate specimens Test strength tests, perform slump and air content s, and determine the temperature of the				
V	d. Test concrete (f _c).			Test	LOR	1
Insp	ection:	na Davia dia		- N-4	01	
	e. Batch plant inspection	on: Periodic	56	e notes	51	pi re 1
	f. Welding of reinforcing	g steel.	Pro	vide special i	nspection per	ST
	17. STRUCTURA	L STEEL, COLD-FORMED S	TEEL	L AND ALUM	INUM USED	FO
Mate	erial Verification and Te	sting: Inspection		Type	Performed	4
				Type	Ву	1
V	a. Verify identi • Mill certific properties th • Material siz comply with	fication of all materials and: ates indicate material nat comply with requiremen- zes, types and grades requirements.	: ts.	Periodic	*	
\checkmark	b. Test unidentifi	ed materials		Test	LOR	
V	c. Examine seam	welds of HSS shapes		Periodic	SI	
Insp ☑	ection: d. Verify and doc DSA-approved con	cument steel fabrication per struction documents.		Periodic	SI	
	19. WELDING:			1705A.2.5, T D1.2 for Alun 3 (See Apper	able 1705A.2 ninum; AWS E ndix for exem	. 1 01.3
Verif	fication of Materials, Eq	uipment, Welders, etc.:		- (++		
	Test or Special	Inspection		Туре	Performed By	ł
V	a. Verify weld fille markings per AWS approved documen	er material identification designation listed on the DSA ts and the WPS.	۸-	Periodic	SI	
V	b. Verify weld fill certificate of compli	er material manufacturer's ance.		Periodic	SI	
V	c. Verify WPS, vequipment.	welder qualifications and		Periodic	SI	
	19.1 SHOP WELD	NG:				
	Test or Special	Inspection		Туре	Performed By	ł
V	a. Inspect groove single pass fillet we	e welds, multi-pass fillet welds, elds > 5/16", plug and slot weld	, ds.	Continuous	SI	
V	 b. Inspect single and roof deck weld 	e-pass fillet welds ≤ 5/16", floo s.	or	Periodic	SI	
V	c. Inspect weldi	ng of stairs and railing system	IS.	Periodic	SI	
	d. Verification o other than ASTM A	f reinforcing steel weldability 706.		Periodic	SI	
	e. Inspect weldin	g of reinforcing steel.		Continuous	SI	
	19.2 FIELD WELD	NG:				
	Test or Special	Inspection		Туре	Performed	ł
V	a. Inspect groove single pass fillet we	welds, multi-pass fillet welds, elds > 5/16", plug and slot weld	, ds.	Continuous	SI	
V	b. Inspect single-	pass fillet welds ≤ 5/16".		Periodic	SI	
V	c. Inspect end-we installation (includir	elded studs (ASTM A-108) ng bend test).		Periodic	SI	
V	d. Inspect floor a	and roof deck welds.		Periodic	SI	
V	e. Inspect weldin	g of structural cold-formed ste	el.	Periodic	SI*	
V	f. Inspect welding	g of stairs and railing systems.	.	Periodic	SI*	+

7. CAST-IN-PLACE CONCRETE

Material Verification and Testing:

	20. NONDESTRUCTIVE TESTING: 1705A.2.1, Table 1705A.2.1; AISC 303-16,	AISC 341-16, AISC 3	58-16, AISC 360	-16
	Test or Special Inspection	Туре	Performed By	С
7	a. Ultrasonic	Test	LOR	1 N C
V	b. Magnetic Particle	Test	LOR	1 N C
	C.	Test	LOR	

Periodic

Continuous

SI

SI

g. Verification of reinforcing steel weldability.

h. Inspect welding of reinforcing steel.

(ONLY APPLIES WHEN CONCRETE FLOOR AND/OR CONCRETE FOUNDATION OPTION IS USED) Code References and Notes Table 1705A.3 Item 5, 1910A.1. 1910A.2; ACI 318-14 Section 26.6.1.2; DSA IR 17-10. (See Appendix for exemptions.) Table 1705A.3 Item 6; ACI 318-14 Sections 26.5 & 26.12. **1905A.1.15;** ACI 318-14 Section 26.12. Default of 'Continuous' per 1705A.3.3. If approved by DSA, batch plant inspection may be reduced to 'Periodic' subject to requirements in Section **1705A.3.3.1**, or eliminated per **1705A.3.3.2.** (See Appendix for exemptions.) TEEL, Category 19.1(d) & (e) and/or 19.2(g) & (h) below. OR STRUCTURAL PURPOSES Code References and Notes Table 1705A.2.1 Item 3a-3c. 2202A.1; AISI S100-16 Section A3.1 & A3.2, AISI S240-15 Section A3 & A5, AISI S220-15 Sections A4 & A6. * By special inspector or qualified technician when performed off-site. 2202A.1. DSA IR 17-3. Not applicable to cold-formed steel light-frame construction, except for trusses (1705A.2.4). Items 4 & 5; AWS D1.1 and AWS D1.8 for structural steel; AWS .3 for cold-formed steel; AWS D1.4 for reinforcing steel; DSA IR 17ons.) Code References and Notes DSA IR 17-3. DSA IR 17-3. DSA IR 17-3. Code References and Notes Table 1705A.2.1 Items 5a.1-4; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3. 1705A.2.2, Table 1705A.2.1 Items 5a.5 & 5a.6; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3. 1705A.2.1; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & D1.3; DSA IR 17-3. 1705A.3.1; AWS D1.4; DSA IR 17-3. Verify carbon equivalent reported on mill certificates. Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2, 1903A.8: AWS D1.4: DSA IR 17-3. Code References and Notes Table 1705A.2.1 Items 5a.1-4; AISC 360-16 (AISC 341-16 as applicable); DSA IR 17-3. Table 1705A.2.1 Item 5a.5; AISC 360-16 (AISC 341-16 as applicable); DSA IR 17-3. 2213A.2; AISC 360-16 (AISC 341-16 as applicable); AWS D1.1; DSA IR 17-3. 1705A.2.2, Table 1705A.2.1 Item 5a.6; AISC 360-16 (AISC 341-16 as applicable); AWS D1.3; DSA IR 17-3. 1705A.2.5; AWS D1.3; DSA IR 17-3. The quality control provisions of AISI S240-15 Chapter D shall also apply. * May be performed by the project inspector when specifically approved by DSA. 1705A.2.1; AISC 360-16 (AISC 341-16 as applicable); AWS D1.1 & D1.3; DSA IR 17-3. * May be performed by the project inspector when specifically approved by DSA. 1705A.3.1; AWS D1.4; DSA IR 17-3. Verify carbon equivalent reported on mill certificates. Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2, 1903A.8; AWS D1.4; DSA IR 17-3. 6; AISI S100-16 Code References and Notes 1705A.2.1, 1705A.2.5; AISC 341-16 J6.2, AISC 360-16 N5.5; ANSI/ASNT CP-189, SNT-TC-1A; AWS D1.1, AWS D1.8; DSA IR 17-2. 1705A.2.1, 1705A.2.5; AISC 341-16 J6.2, AISC 360-16 N5.5; ANSI/ASNT CP-189, SNT-TC-1A; AWS D1.1, AWS D1.8; DSA IR 17-2.



PRUDINC PRUS							BUILDIN	IG OPTIONS SCHEDULE	
No. 0 No. 0 <th< td=""><td>PLUMBING</td><td></td><td>SHEET NUMBER</td><td>ARCHITECTU</td><td>JRAL DETAILS</td><td>SHEET NUMBER</td><td>GENERAL ARCHITECTURAL SHEETS</td><td colspan="2">ITECTURAL SHEETS SHEET NUMBER</td></th<>	PLUMBING		SHEET NUMBER	ARCHITECTU	JRAL DETAILS	SHEET NUMBER	GENERAL ARCHITECTURAL SHEETS	ITECTURAL SHEETS SHEET NUMBER	
Image: Product of the second of the		MODEL A-1 OR A-2 (AGE - ADULT)	P-1.01A	WALL DETAILS:	WOOD STUDS EXTERIOR WOOD SIDING	A-5.50	COVER SHEET:	A-0	_
i i i i i i i i i i i i i i i i i i i		MODEL A-1 OR A-2 (AGE 3-4, 5-8 & 9-12)	P-1.01E	_	EXTERIOR PLASTER FINISH	A-5.51	BUILDING OPTIONS SCHEDULE SHEET:	A-0A A-0.0	_
$ \begin{tabular}{ $		MODEL B-1 OR B-2 (AGE 3-4, 5-8 & 9-12)	P-1.02E	_	EXTERIOR WOOD SIDING - 1 HOUR RATED	A-5.52	SYMBOLS, LEGEND, ABBREVIATION, ADA SIGNAGE SHEET:	A-0.1	_
L = Long (m) Max ax Max <t< td=""><td></td><td>MODEL C-1 OR C-2 (AGE -ADULT)</td><td>P-1.03A</td><td>_</td><td>EXTERIOR PLASTER FINISH - 1 HOUR RATED</td><td>A-5.53</td><td>SCHEDULE SHEET: ENERGY COMPLIANCE FORMS</td><td>A-0.2 A-0.6A</td><td>_</td></t<>		MODEL C-1 OR C-2 (AGE -ADULT)	P-1.03A	_	EXTERIOR PLASTER FINISH - 1 HOUR RATED	A-5.53	SCHEDULE SHEET: ENERGY COMPLIANCE FORMS	A-0.2 A-0.6A	_
Internant And Normal And Nor		MODEL C-1 OR C-2 (AGE 3-4, 5-8 & 9-12)	P-1.03E		STEEL STUDS EXTERIOR WOOD SIDING	A-5.60	ENERGY COMPLIANCE FORMS	A-0.6B	
		MODEL D-1 (AGE - ADULT)	P-1.04A	_	EXTERIOR PLASTER FINISH	A-5.61	ENERGY COMPLIANCE FORMS	A-0.6C	THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE
No. 76 C/S Operation		MODEL D-1 (AGE 3-4, 5-8 & 9-12)	P-1.04E	_	EXTERIOR WOOD SIDING - 1 HOUR RATED	A-5.62	ENERGY MANDATORY MEASURES & CALGREEN SPEC'S	A-U.7	THE PROPERTY OF SILVERCREEK INDUSTRIES, INC (SCI Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE
Distance		AND SCHEDULES		-	EXTERIOR PLASTER FINISH - 1 HOUR RATED	A-5.63	FLOOR PLANS	SHEET NUMBER	 DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR
PLONDEX OLD	MECHANICA		SHEET NUMBER	1-HOUR RATED OPT	IONS	A-5.64	FLOOR PLANS: FLOOR PLAN - (MODEL A-1)	A-1.01	MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS
P PL PL R04 PSEC PL S2 PSEC P		S, SCHEDULES, AND DETAILS:		FLOOR DETAILS:		A-5.70	FLOOR PLAN - (MODEL A-2)	A-1.01	CONSENT OF SCI Inc. ALL PATENTABLE MATERIAL CONTAINED HEREIN AND
Link of the second of	ELECTRICAL		SHEET NUMBER	MISCELLANE	OUS DETAILS	SHEET NUMBER	FLOOR PLAN - (MODEL B-1)	A-1.02	ORIGINATING WITH SCI Inc SHALL BE THE PROPERTY OF SCI Inc
	ELECTRICAL PLAN:	MODEL A-1	E-1.01	MISCELLANEOUS:	WATER HEATER, DRINKING FOUNTAIN, AND FOLDING WALL DETAILS	A-5.81	FLOOR PLAN - (MODEL B-2)	A-1.02	
			E-1.01	INTERIOR EL	EVATIONS	SHEET NUMBER	FLOOR PLAN - (MODEL C-1)	A-1.03	SPRECKELS UNION SD
- 'node: - 'no			E-1.02	INTERIOR ELEVATIONS	INTERIOR ELEVATIONS - WALL MOUNTED - ADULT	A-6.01	ELOOR PLAN - (MODEL C-2)	A-1.03	SPRECKELS ES
Image: second			E-1.02	_	INTERIOR ELEVATIONS - FLOOR MOUNTED - ADULT	A-6.02		SHEET NI IMBER	– (1) 12x40 RESTROOM
Image:			E-1.03	-	INTERIOR ELEVATIONS - WALL MOUNTED - AGE 5-8 & 9-12	A-6.03	REFLECTED CEILING PLAN - (MODEL A-1)		
BUP SHET NAMER Improvement of the provement of the			E-1.03	-	INTERIOR ELEVATIONS - FLOOR MOUNTED - AGE 5-8 & 9-12	A-6.04	CEILING PLANS:	A-2.01 A-2.01	
Data Data Data Data Description Soft Log Best Soft Log Best<				-	INTERIOR ELEVATIONS - FLOOR MOUNTED - AGE 3 & 4	A-6.05	REFLECTED CEILING PLAN - (MODEL B-1)	A-2.02	BUILDING OPTIONS
Dir Work Organization Organ				FOUNDATIO	NS	SHEET NUMBER	REFLECTED CEILING PLAN - (MODEL B-2)	A-2.02	SCHEDULE
Image: Second	RAMP PLANS:		R-1.02		PLAN:	F-0.01	REFLECTED CEILING PLAN - (MODEL C-1)	A-2.03	
Image: Second			R-1.02		DETAILS:	F-0.50	REFLECTED CEILING PLAN - (MODEL C-2)	A-2.03	REVISIONS
Image: 10 mm			R-1.04	CONCRETE FOUNDA		F-1.01	REFLECTED CEILING PLAN - (MODEL D-1)	A-2.04	$-\underline{\hat{\mathbb{Z}}}$
Lettering Light Light <thlight< th=""> Light Light</thlight<>			R-1.04	PLAN - ABOVE GRAD		F-1.11	CEILING DETAILS: T-GRID	A-2.20	
Intervent Date Optimized status Op			R-2 01		TION DETAILS - ABOVE GRADE:	F-1.50	HARD LID	A-2.21	$\frac{24}{5}$
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Lot Weight (1) Lot W			SHEET NUMBER	PLAN - BELOW GRAD		F-2.11	ROOF PLANS: ROOF PLAN - METAL DECK - DUAL SLOPE	A-3.01	A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED
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REFLECTED CEILING NOTES

1. CEILING SYSTEM GENERAL NOTES:

- 1.01 Ceiling system components shall comply with ASTM C635-17 and Section 5.1 of ASTM
- 1.02 The ceiling grid system must be rated heavy duty as defined by ASTM C635-17
- 1.03 Ceiling systems. The following ceiling system(s) is/are part of the scope of this project:

Manufacturer's Name <u>ARMSTRONG</u> Product Evaluation Report Type and Number <u>ICC ESR-1308</u> Manufacturer's Model Number - main runner <u>7301</u> Manufacturer's catalog number - cross runner <u>XL7328</u>

1.04 Seismic Wall Clip:

Manufacturer's Model <u>BERC-2</u>. 1.05 Ceiling panels shall not support any light fixtures, air terminals or devices.

- 1.06 For ceiling installations utilizing acoustical tile panels of mineral or glass fiber, it is not mandatory to provide ¾" clearance between the acoustical tile panels and the wall on the sides of the ceiling which are free to slip. For all other ceiling panel types, provide ¾" clearance between the ceiling panel and the wall on the sides of the ceiling free to slip.
- 2. MATERIALS:
- 2.01 Ceiling wire shall be Class 1 zinc coated (galvanized) carbon steel conforming to ASTM A641-09a. Wire shall be #12 gage (0.106" diameter) with soft temper and minimum tensile strength = 70 ksi.
- 2.02 Galvanized sheet steel (including that used for metal stud and track compression struts/post) shall conform to ASTM A653-15, or other equivalent sheet steel listed in Section A2.1 of the North American Specification for the Design of Cold-Formed Steel Structural Members 2016, (AISI S100 16).
 Material 43 mil (18 gage) and lighter shall have minimum yield strength of 33 ksi.
 Material 54 mil (16 gage) and heavier shall have a minimum yield strength of 50 ksi.
- 2.03 Electrical metallic tube (EMT) shall be ANSI C80.3/UL 797 carbon steel with G90 galvanizing. EMT shall have minimum yield strength (Fy) of 30 ksi and minimum ultimate strength (Fu) of 48 ksi.

3. ATTACHMENT OF HANGER AND BRACING WIRES:

- 3.01 Separate all ceiling hanger and bracing wires at least six (6) inches from all unbraced ducts, pipes, conduit, etc.
- 3.02 Hanger and bracing wires shall not attach to or bend around obstructions including but not limited to: piping, ductwork, conduit and equipment.
- 3.03 Hanger wires that are more than one (horizontal) in six (vertical) out of plumb shall have counter-sloping wires.
- 3.04 Slack safety wires shall be considered hanger wires for installation and testing requirements.
 3.05 Hanger and bracing wire anchorage to the structure shall be installed in such a manner that the direction of the anchorage aligns closely with the direction of the wire. (e.g. bracing wire ceiling clips must be bent as shown in the details and rotated as required to align closely with the direction of the wire, screw eyes in wood must be installed so they align closely with the direction of the wire, etc.)
- 4. FASTENERS AND WELDING:
- 4.01 Sheet metal screws shall comply with ASTM C1513-10, ASME B18.6.4-89 (R2005). Penetration of screws through joined material shall not be less than three exposed threads.
- 4.02 Expansion anchors shall be: <u>NOT APPLICABLE</u>
- 4.03 Power-Actuated Fasteners shall be: NOT APPLICABLE
- 4.04 If not otherwise specified in the evaluation report, power-actuated fasteners installed in steel shall be installed so the entire pointed end of the fastener is driven through the steel member.
- 4.05 Power-actuated fasteners in concrete are not permitted for bracing wires.
- 4.06 Concrete reinforcement and prestressing tendons shall be located by non-destructive means prior to installing post installed anchor.
- $4.07 \quad \mbox{Welding shall be in accordance with AWS D1.3 using E60XX series electrodes.}$
- **5. TESTING:** All field testing must be performed in the presence of the project inspector.**5.01** Post-installed anchors in concrete used to support hanger wires shall be tested at a
- frequency of 10 percent. Power actuated fasteners in concrete shall be field tested for 200 lbs. in tension. All other post-installed anchors in concrete shall be tested in accordance with CBC Section 1910A.5
 5.02 Post-installed anchors in concrete used to attach bracing wires shall be tested at a
- frequency of 50 percent in accordance with CBC Section 1910A.5

6. LIGHT FIXTURES:

- 6.01 All light fixtures shall be positively attached to the ceiling suspension systems by mechanical means to resist a horizontal force equal to the weight of the fixture. A minimum of two screws or approved fasteners are required at each light fixture, per ASTM E580, Section 5.3.1.
- 6.02 Surface-mounted light fixtures shall be attached to the main runner with at least two positive clamping devices. The clamping device shall completely surround the supporting ceiling runner and be made of steel with a minimum thickness of #14 gage. Rotational spring catches do not comply. A #12 gage slack safety wire shall be connected from each clamping device to the structure above. Provide additional supports when light fixtures are eight (8) feet or longer or exceed 56 lb. Maximum spacing between supports shall not exceed eight (8)
- 6.03 Light fixtures weighing less than or equal to 10 lb. shall have a minimum of one (1) #12
- gage slack safety wire connected from the fixture housing to the structure above.6.04 Light fixtures weighing less than or equal to 10 lb. shall have a minimum of one (1) #12
- gage slack safety wire connected from the fixture housing to the structure above.
- 6.05 Light fixtures weighing greater than 10 lb. but less than or equal to 56 lbs. may be supported directly on the ceiling runners, but they shall have a minimum of two (2) #12 gage slack safety wires connected from the fixture housing at diagonal corners to the structure above.

Exception: All light fixtures greater than two by four feet weighing less than 56 lbs.

- shall have a #12 gage slack safety wire at each corner.
 6.06 All Light fixtures weighing greater than 56 lb. shall be independently supported by not less than four (4) taut #12 gage hanger wires (one at each corner) attached from the fixture housing to the structure above or other approved hangers. The four (4) taut #12 gage wires or other approved hangers, including their attachment to the structure above, shall be capable of supporting four (4) times the weight of the fixture.
- 7. SERVICES WITHIN THE CEILING:
- 7.01 All flexible sprinkler hose fitting mounting brackets, ceiling-mounted air terminals or other services shall be positively attached to the ceiling suspension systems by mechanical means. Screws or approved fasteners are required. A minimum of two attachments are required at each component.
- 7.02 Ceiling-mounted air terminals or other services weighing less than or equal to 20 lb. shall have one (1) #12 gage slack safety wire attached from the terminal or service to the structure above.
- 7.03 Flexible sprinkler hose fittings, ceiling-mounted air terminals or other services weighing more than 20 lb. but less than or equal to 56 lb. shall have two (2) #12 gage slack safety wires (at diagonal corners) connected from the terminal or service to the structure above.
- 7.04 Flexible sprinkler hose fittings, ceiling-mounted air terminals or other services weighing more than 56 lb. shall be supported directly from the structure above by not less than four (4) taut #12 gage hanger wires attached from the terminal or service to the structure above or other approved hangers.

8. OTHER DEVICES WITHIN THE CEILING:

8.01 All lightweight miscellaneous devices, such as strobe lights, occupancy sensors, speakers, exit signs, etc., shall be attached to the ceiling grid. In addition, devices weighing more than 10 lbs. shall have a #12 gage slack safety wire anchored to the structure above. Devices weighing more than 20 lb. shall be supported independently from the structure above.

NOTE:

ACOUSTICAL PANELS SHALL BE 5/8" MINIMUM THICK, MINERAL FIBERBOARD OR VINYL FACED FIBERGLASS LAY-IN PANELS SQUARE EDGE AND CBC CLASS C FLAME-SPREAD 76-200; SMOKE-DEVELOPED 0-450.

NOTE

PER CBC SECTION 718.2.1. FIRE BLOCKS MAY BE OF GYPSUM BOARD, CEMENT FIBER BOARD, BATTS OR MINERAL OR GLASS FIBER, OR OTHER APPROVED MATERIALS INSTALLED IN SUCH A MANNER AS TO BE SECURELY RETAINED IN PLACE. LOOSE-FILL INSULATION MATERIAL SHALL NOT BE USED AS A FIRE BLOCK UNLESS SPECIFICALLY TESTED IN THE FORM AND MANNER INTENDED FOR USE TO DEMONSTRATE ITS ABILITY TO REMAIN IN PLACE AND TO RETARD THE SPREAD OF FIRE AND HOT GASES. (SECTION 718.2.1). FLAME SPREAD - 25 SMOKE DEVELOPMENT - 50 MAX FIRE BLOCKING IS NOT REQUIRED WITHIN CONCEALED SPACES CONSTRUCTED OF NON-COMBUSTIBLE MATERIALS



	FINISH SCHEDULE
	ROOM NAME FLOOR BASE FRONT LEFT REAR RIGHT CEILING CEILING HT NOTE
	GIRLS 101 SV SC FRP FRP FRP GBP 8'-0"
	BOYS 102SVSCFRPFRPFRPFRP8'-0"STAFF 103SVSCFRPFRPFRPFRP8'-0"
	CUSTODIAL 104 SV SC FRP FRP FRP GBP 8'-0" PLUMBING CHASE
	FLOOR, WALL, CEILING MATERIALS
	FLOORING CARP: CARPET PER STATE OF CALIFORNIA SPECIFICATIONS COMPLYING WITH GROUP 1; TYPE TYPE "B": CLASS 2: DENSITY 4600: DIRECT GLUE DOWN
	SV: SHEET VINYL FLOORING W/ FULLY SEALED JOINTS VCT: VINYL COMPOSITION TILE
	BASE 4" TS: 4" TOP SET BASE
	6" TS: 6" TOP SET BASE SC: 6" SELF-COVE BASE
	WALLS TACK: 1/2" VINYL TACKBOARD CLASS 1 OVER ½" GYPSUM BOARD BACKING
	FRP: 1/8" FIBER REINFORCED PANEL OVER ½" WATER RESISTANT GYPSUM BOARD GYP: 1/2" GYPSUM BOARD; TAPE; TEXTURE; PAINTED FINISH PLY: 1/2" PLYWOOD FINISH
	NF: NO FINISH
	CEILING CP: ACOUSTICAL LAY IN GRID CEILING PANELS (SEE SPECIFICATION NOTES ON REFLECTE HC: 5/8" GYPSHM BOARD: TAPE: TEXTURE: DAINTED EINISH (HADD UD CEILING)
	GBP: 1/2" GYPSUM BOARD WASHABLE PANELS (PAINTED)
DOOR SCHEDULE	
DOOR NO WIDTH HEIGHT DOOR TYPE QTY DOOR MAT/FIN MAT/FIN HARDWARE SET WALL THICKNESS NOTES*	 ALL FINISHES SHALL COMPLY WITH CBC, CFC AND TITLE 19 CCR. PREPARATION FOR SUB-FLOOR TO ACCEPT FINISH FLOORING IS BY FLOORING CONTRACTOR.
1 3'-0" A HM KD HW - 1	ANY DEFORMITIES DUE TO STANDARD CONSTRUCTION PRACTICES SHALL BE FILLED AND SAN AND SHALL BE FILLED AND SANDED BY FLOORING CONTRACTOR.
(2) 3'-0" 7'-0" A HM KD HW - 2 NO OLOGER (2) (1.0)" THON D HW - 3 HW - 3 HW - 3	 RESILIENT FLOORING DEMONSTRATING A COEFFICIENT OF FRICTION OF AT LEAST 0.6 PER AST CARPET SHALL HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL CUT, OR LEVEL CUT / UNCUT PILI
(3) 1'-8" 7'-0" B HM KD HW - 3	COMPLY WITH THE 2019 CBC
Image: series of the series	DOOR HA
DOOR MATERIAL AND FINISH ABBREVIATIONS	BOYS & GIRLS RESTROOM - EXTERIOR DOOR HW-1
HM: 18GA HOLLOW METAL KD: KNOCK DOWN FRAME * EXTERIOR DOORS TO BE WF: 16GA WELDED FRAME SCL: SOLID CORE WOOD LEGACY UNINSULATED SINGLE LAYER DOORS	LOCKSETSCHLAGE ND70PDRHO626 (cylindrical)Finish 26Dor equalBUTTSHAGER BB1191 4 ½" x 4 ½" NRPFinish 26Dor equal
AL:ALUMINUMHC:HOLLOW CORE WOODW/ U-FACTOR OF 0.500 MAXSST:STAINLESS STEELPT:PAINTED	CLOSERNORTON 8501 BFDA (OPTIONAL)Finish 689or equalWEATHER STRIPHAGER 891SAV 3684Finish Alumor equalTHRESHOLDHAGER 413SA 36Finish Alumor equal
DOOR TYPES & NOTES	DOOR BOTTOMHAGER 783SAV 35NFinish Alumor equalLOUVERANEMO 24 x 12Finish Bronzeor equal
3'-0"	STAFE RESTROOM - EXTERIOR DOOR HW-Z
	LOCKSETSCHLAGE ND85PDRHO626 (cylindrical)Finish 26Dor equalBUTTSHAGER BB1191 4 1/2" x 4 1/2" NRPFinish 26Dor equalWEATHER STRIPHAGER 891SAV 3684Finish Alumor equal
	THRESHOLDHAGER 4196A 36Finish Alumor equalDOOR BOTTOMHAGER 783SAV 35NFinish Alumor equalLOUVERANEMO 24 x 12Finish Brotzeror equal
	CHASE EXTERIOR DOOR - EXTERIOR DOOR HW-3 LOCKSET SCHLAGE ND70PDRH0626 (cylindrical) Finish 26D or equal
	BUTTSHAGER BB1191 4 ½" x 4 ½" NRPFinish 26Dor equalTHRESHOLDHAGER 413SA 36Finish Alumor equalDOOR BOTTOMHAGER 783SAV 35NFinish Alumor equal
	CUSTODIAL - EXTERIOR DOOR HWG
	LOCKSET SCHEACE ND70PDRH0626 (cylindrical) Finish 26D or equal
DOOR TYPE "A" DOOR TYPE "B"	BOTTSHAGER BB F191 4-72 C4 72Pfinish 26Dof equalWEATHER STRIPHAGER 891SAV 3694Finish Alumor equalTHRESHOLDHAGEP 415SA 36Finish Alumor equal
	DOOR BOTTOMHAGER /83SAV 35NFinish Alumor equalLOUVEPANEMO 24 x 12Finish Bronzeor equal
 DOOR HANDLE FOR LOCK SETS AND PANIC HARDWARE TO BE CENTERED AT 40" AFF ALL EXIT DOORS TO BE OPENABLE FROM THE INSIDE WITHOUT ANY SPECIAL KNOWLEDGE 	
 ALL DOORS SHALL BE 1 3/4" THICK U.N.O. CLOSER SHALL BE SET FOR MAXIMUM OPENING PRESSURE OF 5 LBS AT EXTERIOR AND 	
INTERIOR DOORS. 5. PANIC HARDWARE IS REQUIRED TO BE INSTALLED WHEN THE CONFIGURATION OF ANY ROOM PROVIDES AN OCCUPANT LOAD OF 50 OR GREATER.	
 ALL HARDWARE SHALL COMPLY WITH SILVER CREEK'S SPECS ON THIS SHEET AND CBC SECTIONS 11B-206.5,11B-404.1 & 1010. DOOR CLOSER SHALL BE ADJUSTED TO SO THAT FROM AN OPEN POSITION OF 90° THE 	
DOOR WILL TAKE AT LEAST 5 SECONDS TO MOVE TO A POINT 12° FROM THE LATCH, MEASURED TO THE LANDING SIDE OF THE DOOR.	
 PAINIC AND FIRE EALT HARDWARE. WHERE THIS TYPE HARDWARE IS INSTALLED, IT SHALL COMPLY WITH THE FOLLOWING; THE ACTUATING PORTION OF THE RELEASING DEVICE SHALL EXTEND AT LEASE ONE-HALF 	
OF THE DOOR LEAF WIDTH. - THE MAXIMUM FORCE TO ACTIVATE ANY OPERABLE PART SHALL NOT EXCEED 5 LBS PER THE 2019 CBC, PANIC HARDWARE SHALL COMPLY WITH CBC SECTION 1010.1.10	
 9. ALL HAND ACTIVATED HARDWARE SHALL BE LEVER TYPE, PANIC BARS, PUSH/PULL TYPE OR 'U' SHAPED HANDLES. 10. ALL HAND ACTIVATED HARDWARE SHALL BE EASY TO OPERATE WITH ONF HAND AND 	
	I I I I I I I I I I I I I I I I I I I
SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF WRIST TO OPERATE AND WILL OPERATE WITH 5 LBS OR LESS FORCE. 11 ELOOR STOP SHALL BE LOCATED 4" MAY EPOMEACE OF MALL	



				FI	NISł	H SC	HED	ULE		
OOM NAME		FLOORING WALL FINISH					CEILING			
		FLOOR	BASE	FRONT	LEFT	REAR	RIGHT	CEILING	CEILING HT	NOTE
GIRLS 10	01	SV	SC	FRP	FRP	FRP	FRP	GBP	8'-0"	
BOYS 1	02	SV	SC	FRP	FRP	FRP	FRP	B	8'-0"	
STAFF 10)3	SV	SC	FRP	FRP	FRP	FRP	CBR	8'-0"	
)4	SV	SC	FRP	FRP	FRP	FRP	GBP	8'-0"	
JMBING C	HASE									
		F	LOC	R, W	/ALL	., CE	ILIN	g mat	ERIAL	5
DORING										
CARP:		T PER S					TIONS C	OMPLYING	WITH GROUP	1; TYF
SV:	SHEET	B"; CLA VINYL F	SS 2; L LOORIN	G W/ FUL	4600; DI _LY SEA	IRECT G	LUE DOW NTS	VIN		
VCT:	VINYL COMPOSITION TILE									
BASE										
4" TS:	4" TOP SET BASE									
SC:	6" TOP 6" SELF	SET BAS F-COVE E	SE BASE							
VALLS										
TACK.	1/2" \/IN		BOAR) CLASS		%" GYPS		RD BACKING	3	
FRP:	1/8" FIE	BER REIN	FORCE	D PANEL	OVER 1/2	2" WATE	RESIST	ANT GYPS	_ JM BOARD	
GYP:	1/2" GYPSUM BOARD; TAPE; TEXTURE; PAINTED FINISH									

	INSULATION SPECIFICATIONS	
۹	MOISTURE PROTECTION INSULATION:	
	DESCRIPTION OF WORK: THE FURNISHING AND INSTALLING OF ALL INSULATION FOR ALL CEILING, FLOOR AREAS, PIPES AND EXTERIOR WALLS. (CLASS A = 0-25 FLAME SPREAD:) SMOKE DEVELOPMENT DENSITY LESS THAN 450.	
	MATERIAL: INSULATING MATERIAL FOR WALLS SHALL BE FIBERGLASS BATTS (UNFACED) AND SHALL COMPLY WITH CBC 720.1, 720.2, 720.3, 720.5 AND 720.7. INSULATION SHALL BE AS MANUFACTURED BY	
	OWENS-CORNING, JOHNS-MANVILLE, OR EQUAL. INSULATING MATERIAL FOR ROOFS SHALL BE CLOSED CELL SPRAY FOAM AND SHALL COMPLY WITH CBC 720.1, 720.2, 720.3, 720.5 AND	PROJECT SPECIFIC STATE AGENCY APPROVAL
	720.7. INSULATION SHALL HAVE A MINIMUM R-VALUE OF R-6 PER EACH INCH OF THICKNESS, AN AIR PERMEANCE RATE OF NOT MORE THAN 0.02 L/s AT 75 Pa, AND A WATER VAPOR TRANSMISSION RATE OF NOT MORE THAN 0.9 PERMS. THE FOAM SHALL BE APPLIED TO FILL ALL VOIDS IN THE ROOF FRAMING MEMBERS.	THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVERCREEK INDUSTRIES, INC (SCI Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS
	MIN INSULATION VALUES: EXTERIOR WALL INSULATION (MIN.) R-13 (4" WALL @ UNCONDITIONED RESTROOM MODULE ONLY) R-19 (6" WALL) R-30 (8" WALL)	THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT OF SCI Inc. ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCI Inc SHALL BE THE PROPERTY OF SCI Inc PROJECT NAME:
	INTERIOR WALL INSULATION (MIN.) R-13	SPRECKELS UNION SD
'E "A" OR	FLOOR INSULATION NONE (CONCRETE MASS) R-19 (MIN)	(1) 12x40 RESTROOM
	ROOF INSULATION (MIN.) R-30 (CLOSED CELL SPRAY FOAM)	SHEET TITLE:
		SCHEDULES
D CEILING PLAN)		
		PRE-CHECK (PC) DOCUMENT CODE: 2019 CBC A SEPARATE PROJECT APPLICATION
PLYWOOD SUB-FLOOF DED BY FLOORING COI	R IS 2.4.1. PLYWOOD. OUTER PLYWOOD IS PLUGGED AND TOUCH SANDED. NTRACTOR. THE JOINT AT THE MODLINE SHALL NOT BE LARGER THAN 1/8"	FOR CONSTRUCTION IS REQUIRED
M D2047, WILL BE ACC	EPTED AS MEETING THE INTENT OF SLIP RESISTANCE. IUM PILE HEIGHT OF 1/2" PER THE 2019 CBC. CARPET EDGED SHALL	APPROVED DIV. OF THE STATE ARCHITECT APP: 04-119218 PC REVIEWED FOR SS ☑ FLS ☑ ACS ☑ CG ☑ DATE: 07/01/2021
RDWARE		PC STATE AGENCY APPROVAL SILVER CREEK INDUSTRIES, INC.
		SILVER CREEK Building for the Next Generation
		2830 BARRETT AVE PERRIS, CALIFORNIA 92571 PHONE: 951-943-5393 FAX: 951-943-2211
		MODULAR BUILDING DESIGN PROFESSIONAL
		PROFESSION 4 VERED VIN W STAR SUB STAR A DETTING A
		OF CALIFORT
		SILVER CREEK INDUSTRIES 12' x 40' PC PROJECT NO: DRAWN BY:
		SCALE:AS NOTEDDATE:06-22-2020
		P.C. SHEET NUMBER
		- I

STATE	OF CALIFORNIA						
NO	rresidential Building Co	ommissionin	g				
CERT	TFICATE OF COMPLIANCE						NRCC-CXR-
This buila sepa	document is used to demonstrat ings with nonresidential spaces. rately if they apply.	e compliance witi This document de	n mandatory c pes not demon	ommi strate	ssioning requirements in <u>§120.8</u> for no e compliance with commissioning requ	onreside iiremen	ntial buildings and hotel/motel or high-rise residential ts within Title 24, Part 11, which need to be documented
Proje	ect Name: PC - Single Module	(12'x40') Restroo	m		Report Page	:	Page 1 of
Proje	ect Address:				Date Prepar	ed:	2020-06-1
A G	ENERAL INFORMATION						0
01	Project Location (city)			04	Puilding Size (ft?)	-	480
01	Occupancy Type	Nonrosidon	tial	04	Neurosidential Conditioned Floor Are	na /f+2)	400 < 10.000 ft2
02		Nonresiden	Lidi	05	INONresidential Conditioned Floor Are	ea (n-)	
05	Project Type	Newly constru	icted	00	HVAC System Type		Unitary or packaged equipment each serving one zone
Tabl the i Com	e Instructions: Based on project user. missioning Requirements per §	information provi	ded in Table A,	Tabl	e B indicates which commissioning rela	ated rec	uirements apply per <u>\$120.8</u> . Table B is not editable by
01	Table F: Design Review Kickoff	§120.8(d)1 and §120.8(d)2	The design re identify own	eview er's re	kickoff meeting establishes who will p quirements. This meeting should be o	lay the conduct	role of the design reviewer, the project schedule and ed during schematic design.
02	Table G: Owner's Project Requirements (OPR)	<u>§120.8(b)</u>	This requiren	nent o	loes not apply.		
03	Table H: Basis of Design (BOD)	§120.8(c)	This requiren	nent o	loes not apply.		
04	Table I: Design Review	<u>§120.8(d)</u> and <u>§120.8(e)</u>	The design reviewer(s) reviews the construction documents for clarity, completeness, and adherence to the owner's goals. Commissioning measures must be included in the construction documents to faciliate the design review and commissioning process. For projects with $\geq 10,000$ ft ² of nonresidential conditioned floor area, or with complex mechanical systems, the design review is for adherence with the Owner's Project Requirements (OPR) and Basis of Design (ROD). This should be conducted during design.				clarity, completeness, and adherence to the owner's uction documents to faciliate the design review and idential conditioned floor area, or with complex e Owner's Project Requirements (OPR) and Basis of
05	Table J: Commissioning Plan	<u>§120.8(f)</u>	This requiren	nent o	loes not apply.		
06	Table K: Functional Performance Testing	§120.8(g)	This requirement does not apply.				
07	Table L: Documentation and Training	§120.8(h)	This requirement does not apply.				
08	Table M: Commissioning Report	<u>§120.8(i)</u>	This requiren	This requirement does not apply.			

Report Page: Date Prepared:

2/3/202

Table Instructions: Table C will indicate if the project data input into the compliance document is compliant with commissioning requirements per <u>\$120.8</u>. This table is not editable by the user. If this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Table Instructions: Complete this table to indicate that the design reviewer meets the qualification requirements per Title 24, Part 1 Section <u>10-103(a)1</u> and to demonstrate compliance with design review kickoff requirements per <u>\$120.8(d)2</u>. This meeting should occur during the Schematic Design phase of the project.

Design Reviewer(s):

Design Architect/ Engineer(s):

Energy/ T24 Part 6 Consultant:

Certified Acceptance Test Tech(s):

 Ol
 O2
 O3
 O4
 O5
 O6
 O7
 O8

 Design Review Kickoff
 Owner's Project Requirements
 Basis of Design Basis of Design
 Design Review Design Review
 Commissioning Plan
 Functional Performance Testing
 Documentation and Training
 Commissioning Report

 Table F
 Table G
 Table H
 Table I
 Table J
 Table K
 Table L
 Table M

 Yes
 Yes
 Image: Complexity of the project include:
 The project engineer
 Image: Complexity of the project include:
 Image: Complexity of the project engineer

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards/

STATE OF CALIFORNIA

Project Address:

NRCC-CXR-E (Created 12/19) CERTIFICATE OF COMPLIANCE

C. COMPLIANCE RESULTS

D. EXCEPTIONAL CONDITIONS

E. ADDITIONAL REMARKS

No exceptional conditions apply to this project.

F. DESIGN REVIEW KICKOFF MEETING

Design Review Kickoff Meeting Details

Owner/ Facility Manager:

Commissioning Provider

Project Manager:

Contractor:

Table Continued

01 Date of Design Review Kickoff Meeting

02 Meeting Attendees: (one person may play multiple roles)

Design Reviewer Qualifications per Title 24, Part 1 Section 10-103(a)1

Nonresidential Building Commissioning

Project Name: PC - Single Module (12'x40') Restroom

STATE OF CALIFORNIA	Α.
Nonresiden	tial Building Commissioning
NRCC-CXR-E (Created	12/19)
CERTIFICATE OF	COMPLIANCE
Project Name:	PC - Single Module (12'x40') Restroom
Project Address:	
N. DECLARATIC	IN OF REQUIRED CERTIFICATES OF INSTALLATION
There are no Cer	tificates of Installation applicable to commissioning requirements.
O. DECLARATIO	IN OF REQUIRED CERTIFICATES OF ACCEPTANCE
Although there a performance tes	re no "CXR" Certificates of Acceptance required to document commissioning requient in the second state of the second s

STATE OF CALIFORNIA		
Nonresidential Building	Commissioning	
NRCC-CXR-E (Created 12/19)	-	
CERTIFICATE OF COMPLIANCE		
Project Name: PC - Single Modu	ıle (12'x40') Restroom	
Project Address:		
DOCUMENTATION AUTHOR'S	DECLARATION STATEMENT	
I certify that this Certificate of Cor	npliance documentation is accurate and comple	te
Documentation Author Name:	Ryan McIntosh	Docum
Company:	SILVER CREEK	Signatu
Address:	2830 BARRETT AVE	CEA/ H
City/State/Zip:	PERRIS/CA/92571	Phone:
RESPONSIBLE PERSON'S DECLARA	ATION STATEMENT	
I certify the following under pena	Ity of perjury, under the laws of the State of Ca	lifornia:
1. The information provided on t	his Certificate of Compliance is true and correct	
2. I am eligible under Division 3 o Compliance (responsible desig	If the Business and Professions Code to accept i ner)	responsibility
3. The energy features and perfo	mance specifications, materials, components,	and manufact
Certificate of Compliance confi	orm to the requirements of Title 24, Part 1 and	Part 6 of the (
4. The building design features o	r system design features identified on this Certi	ficate of Com
compliance documents, works	heets, calculations, plans and specifications sub	mitted to the
5. I will ensure that a completed	signed copy of this Certificate of Compliance sh	all be made a
to the enforcement agency for	all applicable inspections. I understand that a	completed sig
documentation the builder pro	ovides to the building owner at occupancy.	
Responsible Designer Name:	JOHN STARLIN	Respon
Company :	SILVER CREEK	Date Si
Address:	2830 BARRETT AVE	License
City/State/Zip:	PERRIS/CA/92571	Phone:

CA Build	ing Energy Efficiency Standards - 2019 Nonresic	ntial Compliance: <u>http://www.ener</u> g	ry.ca.gov/title24/2019standards/		December 2019
STATE OF	CALIFORNIA				
Nonr	esidential Building Commissio	ing			
NRCC-CXF	I-E (Created 12/19)	0		CALIFORNIA ENERGY C	COMMISSION
CERTIFI	CATE OF COMPLIANCE				NRCC-CXR-E
Project	Name: PC - Single Module (12'x40') Rest	bom	Report Page:		Page 3 of 6
Project	Address:		Date Prepared:		2020-06-16
Table C	ontinued				
The des perform and Pro	ign reviewer(s) must be licensed professio ed by or under the direct supervision of a fessions Code.	al engineers or licensed architect censed engineer or architect, as	s, or licensed contractors representing services specified in the provisions of Division 3 of the Business	Do the Design F these qua	leviewer(s) meet lifications?
	In addition, for buildings with < 10,000 ft	the design reviewer(s) may be th	e engineer or architect of record. The design reviewer	s) YES	NO
03	may also be a qualified in-house engineer contractor.	or architect with no other projec	t involvement or a third party engineer, architect or		0
04	The design reviewer(s) for this project wi	be: The project engineer			
Prelimi	nary Construction Schedule				
		Start	Date Co	mpletion Date	
05	Schematic Design	2020-	01-06	2020-01-06	
06	Design Development	2020-	01-06	2020-01-06	
07	Construction Documents	2020-	02-03	2020-05-12	
08	Construction	yyyy-n	nm-dd	yyyy-mm-dd	
09	Building Turnover	yyyy-n	nm-dd	yyyy-mm-dd	
Project	Goals Related to Energy Efficiency				
10	Operational Costs	No specific requirements.			
11	Desired Building Lifespan	30 - 50 years.			
12	Equipment Lifecycle	Industry standard.			
13	Project Energy Efficiency Goals	This requirement does not app	ly.		
14	Envelope Goals	This requirement does not app	ly.		
15	HVAC System Goals	This requirement does not app	ly.		
16	Indoor Lighting System Goals	Code minimum preformance.			
17	Outdoor Lighting System Goals	Code minimum preformance.			
18	Water Heating System Goals	Code minimum preformance.			
19	Equipment and System Specifications	Industry standard equipment.			
20	Operations and Maintenance	No specific requirements.			
G. OW	NER'S PROJECT REQUIREMENTS (OPR)				2
This See	tion Does Not Annly				

CA Build	ding Energy Efficiency Standards - 2019	Nonresidential Compliance: <u>http://www.energy.ca.gov/title24</u>	I/2019standards/		December 2019
STATE OF Nonr NRCC-CX	CALIFORNIA esidential Building Comn R-F (Created 12/19)	nissioning		CALIFORNIA ENERGY CI	
CERTIF	CATE OF COMPLIANCE				NRCC-CXR-
Project	Name: PC - Single Module (12'x4	10') Restroom	Report Page:		Page 4 of
Project	Address:		Date Prepared:		2020-06-1
H. BAS	SIS OF DESIGN (BOD)				2
This Se	ction Does Not Apply				
1.001	STRUCTION DOCUMENT DESIG				(3)
Table I constru Require docum	nstructions: The design reviewer(s) uction document review. For buildir ements (Table G.) and the Basis of E ents meet the goals documented in	may fill out the table below or attach a design review do ags with ≥ 10,000 ft ² conditioned floor area, the design re besign Documents (Table H.). For buildings with < 10,000 Table F. during the Design Review Kickoff.	cument that lists the items checked by the c eview will ensure the construction document) ft ² conditioned floor area, the design revie	lesign reviewer(s) ts meet the Owner w will ensure the c	during the c's Project construction
01	Attaching Completed Design Revi	ew Documentation?		TES	NO
Design	Review Checklist				
02	Envelope Design	This requirement does not apply			
03	HVAC System Design	This requirement does not apply.			
04	HVAC Controls Design	This requirement does not apply.			
05	Indoor Lighting System Design	The design represents the typical PC building design w	ith undates (as applicable) for the 2019 cod	e cvcle.	
06	Indoor Lighting Controls Design	The design represents the typical PC building design w	ith updates (as applicable) for the 2019 cod	e cycle.	
07	Outdoor Lighting System and Controls Design	The design represents the typical PC building design w	ith updates (as applicable) for the 2019 cod	e cycle.	
08	Water Heating System Design	The design represents the typical PC building design w	ith updates (as applicable) for the 2019 cod	e cycle.	
09	Other Systems and Features	The design represents the typical PC building design w	ith updates (as applicable) for the 2019 cod	e cycle.	
J. CON	MISSIONING PLAN				2
This Se	ction Does Not Apply				
K. FUN	CTIONAL PERFORMANCE TEST	NG			2
This Se	ction Does Not Apply				
L. DOG	CUMENTATION AND TRAINING				2
This Se	ction Does Not Apply				
M. CO	MMISSIONING REPORT				2
This Se	ction Does Not Apply				

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards/

December 2019

December 2019

N

IRCC-CXR-E

Page 2 of 6

2020-06-16

09

Compliance Results

COMPLIES

COMPLIES

CERTIFICATE OF COMPLIANCE, NONRESIDENTIAL BUILDING COMMISSIONING

CERTIFICATE OF COMPLIANCE roject Name: PC - Single M		CA	LIFORNIA ENERGY COMMISSION
roject Name: PC - Single M	Indula (12):40) Destroom	Deport Page	NRCC-CXR-E
roject Address:		Date Prepared:	2020-06-16
DECLARATION OF REQUI			
here are no Certificates of Ins	stallation applicable to commissioning requirement	ents.	
D. DECLARATION OF REQUI Ithough there are no "CXR" Controls of the second seco	IRED CERTIFICATES OF ACCEPTANCE iertificates of Acceptance required to document by <u>§120.8(g)</u> .	commissioning requirements, Certificates of Acceptance may be u	sed to supplement functional
A Building Energy Efficiency Stan	idards - 2019 Nonresidential Compliance: <u>http://www</u>	w.energy.ca.gov/title24/2019standards/	December 2019
TATE OF CALIFORNIA Nonresidential Buildii IRCC-CXR-E (Created 12/19)	ng Commissioning	CA	
roject Name: PC - Single M	odule (12'x40') Restroom	Report Page:	Page 6 of 6
oject Address:		Date Prepared:	2020-06-16
OCUMENTATION AUTHOR	R'S DECLARATION STATEMENT		2
OCUMENTATION AUTHOR ertify that this Certificate of	R'S DECLARATION STATEMENT Compliance documentation is accurate and cor	mplete	2
OCUMENTATION AUTHOR ertify that this Certificate of ocumentation Author Name:	R'S DECLARATION STATEMENT Compliance documentation is accurate and cor Ryan McIntosh	nplete	2
OCUMENTATION AUTHON ertify that this Certificate of ocumentation Author Name: ompany:	R'S DECLARATION STATEMENT Compliance documentation is accurate and cor Ryan McIntosh SILVER CREEK	mplete Documentation Author Signature:	0
OCUMENTATION AUTHON certify that this Certificate of ocumentation Author Name: ompany: ddress:	R'S DECLARATION STATEMENT Compliance documentation is accurate and cor Ryan McIntosh SILVER CREEK 2830 BARRETT AVE	mplete Documentation Author Signature: 2000	0
OCUMENTATION AUTHO certify that this Certificate of ocumentation Author Name: ompany: ddress: ty/State/Zip: ESPONSIBLE PERSON'S DECL	R'S DECLARATION STATEMENT Compliance documentation is accurate and cor Ryan McIntosh SILVER CREEK 2830 BARRETT AVE PERRIS/CA/92571 ARATION STATEMENT	mplete Documentation Author Signature: 2000 Signature Date: 6/18/2 CEA/ HERS Certification Identification (if applicable): Phone: 951-943-5393	0
DOCUMENTATION AUTHOI certify that this Certificate of Documentation Author Name: Company: (ddress: City/State/Zip: tESPONSIBLE PERSON'S DECL certify the following under p The information provided c The information provided c The energy features and pe Certificate of Compliance cd The energy features and pe Certificate of Compliance cd The building design feature compliance documents, wo I will ensure that a complet to the enforcement agency documentation the builder	R'S DECLARATION STATEMENT Compliance documentation is accurate and cor Ryan McIntosh SILVER CREEK 2830 BARRETT AVE PERRIS/CA/92571 ARATION STATEMENT venalty of perjury, under the laws of the State of on this Certificate of Compliance is true and cor 3 of the Business and Professions Code to acce esigner) erformance specifications, materials, compone onform to the requirements of Title 24, Part 1 so or system design features identified on this C brksheets, calculations, plans and specifications ted signed copy of this Certificate of Compliance of or all applicable inspections. I understand the provides to the building owner at occupancy.	nplete Documentation Author Signature: Signature Date: 6/18/2 CEA/ HERS Certification Identification (if applicable): Phone: 951-943-5393 of California: rrect. ept responsibility for the building design or system design identif nts, and manufactured devices for the building design or system and Part 6 of the California Code of Regulations. Certificate of Compliance are consistent with the information pro s submitted to the enforcement agency for approval with this bu the shall be made available with the building permit(s) issued for the at a completed signed copy of this Certificate of Compliance is for	0 fied on this Certificate of design identified on this ovided on other applicable ilding permit application. the building, and made available building to be included with the
OCUMENTATION AUTHON ertify that this Certificate of bocumentation Author Name: ompany: ddress: ty/State/Zip: SPONSIBLE PERSON'S DECL ertify the following under p The information provided of I am eligible under Division Compliance (responsible de The energy features and pe Certificate of Compliance of The building design feature compliance documents, wo I will ensure that a complet to the enforcement agency documentation the builder esponsible Designer Name:	R'S DECLARATION STATEMENT Compliance documentation is accurate and cor Ryan McIntosh SILVER CREEK 2830 BARRETT AVE PERRIS/CA/92571 ARATION STATEMENT venalty of perjury, under the laws of the State of on this Certificate of Compliance is true and cor 3 of the Business and Professions Code to acc esigner) erformance specifications, materials, compone onform to the requirements of Title 24, Part 1 so rsystem design features identified on this C prksheets, calculations, plans and specifications ted signed copy of this Certificate of Compliance for all applicable inspections. I understand the provides to the building owner at occupancy. JOHN STARLIN	nplete Documentation Author Signature: Signature Date: CEA/ HERS Certification Identification (if applicable): Phone: 951-943-5393 Of California: rrect. ept responsibility for the building design or system design identif nts, and manufactured devices for the building design or system and Part 6 of the California Code of Regulations. Certificate of Compliance are consistent with the information pro submitted to the enforcement agency for approval with this bu ce shall be made available with the building permit(s) issued for ta at a completed signed copy of this Certificate of Compliance is for Responsible Designer Signature:	0 fied on this Certificate of design identified on this by ided on other applicable ilding permit application. the building, and made available to be included with the
DCUMENTATION AUTHON ertify that this Certificate of ocumentation Author Name: impany: Idress: cy/State/Zip: SPONSIBLE PERSON'S DECL ertify the following under p The information provided of I am eligible under Division Compliance (responsible de The energy features and pe Certificate of Compliance of The building design feature compliance documents, wo I will ensure that a complet to the enforcement agency documentation the builder isponsible Designer Name: impany :	R'S DECLARATION STATEMENT Compliance documentation is accurate and cor Ryan McIntosh SILVER CREEK 2830 BARRETT AVE PERRIS/CA/92571 ARATION STATEMENT venalty of perjury, under the laws of the State of on this Certificate of Compliance is true and cor 3 of the Business and Professions Code to acc esigner) rformance specifications, materials, componen onform to the requirements of Title 24, Part 1 so rsystem design features identified on this of broksheets, calculations, plans and specifications ted signed copy of this Certificate of Compliance is provides to the building owner at occupancy. JOHN STARLIN SILVER CREEK	nplete Documentation Author Signature: Signature Date: CEA/ HERS Certification Identification (if applicable): Phone: 951-943-5393 CEAIfornia: rrect. ept responsibility for the building design or system design identif nts, and manufactured devices for the building design or system and Part 6 of the California Code of Regulations. Certificate of Compliance are consistent with the information pro s submitted to the enforcement agency for approval with this bu ce shall be made available with the building permit(s) issued for ta at a completed signed copy of this Certificate of Compliance is to Responsible Designer Signature: Date Signed: (6/18/20)	0 fied on this Certificate of design identified on this ovided on other applicable ilding permit application. the building, and made available building to be included with the
CUMENTATION AUTHO rtify that this Certificate of cumentation Author Name: mpany: dress: //State/Zip: SPONSIBLE PERSON'S DECL rtify the following under p The information provided c am eligible under Division compliance (responsible de The energy features and pe Certificate of Compliance or the building design feature compliance documents. wo	R'S DECLARATION STATEMENT Compliance documentation is accurate and cor Ryan McIntosh SILVER CREEK 2830 BARRETT AVE PERRIS/CA/92571 ARATION STATEMENT menalty of perjury, under the laws of the State of on this Certificate of Compliance is true and cou 3 of the Business and Professions Code to accu- esigner) erformance specifications, materials, componel onform to the requirements of Title 24, Part 1 es or system design features identified on this Co- risksheets, calculations, plans and specifications	nplete Documentation Author Signature: 2000 Signature Date: 6/18/2 CEA/ HERS Certification Identification (if applicable): Phone: 951-943-5393 of California: rrect. ept responsibility for the building design or system design identif nts, and manufactured devices for the building design or system and Part 6 of the California Code of Regulations. Certificate of Compliance are consistent with the information proc	0 fied on this Certificate of design identified on this pyided on other applicable ilding permit applicable
COCUMENTATION AUTHO certify that this Certificate of Documentation Author Name: Company: Address: City/State/Zip: RESPONSIBLE PERSON'S DECL certify the following under p L. The information provided of C. I am eligible under Division Compliance (responsible de B. The energy features and pe Certificate of Compliance of L. The building design feature compliance documents, wo I will ensure that a complet to the enforcement agency documentation the builder Responsible Designer Name: Company : Address: City/State/Zip:	R'S DECLARATION STATEMENT Compliance documentation is accurate and cor Ryan McIntosh SILVER CREEK 2830 BARRETT AVE PERRIS/CA/92571 ARATION STATEMENT tenalty of perjury, under the laws of the State of on this Certificate of Compliance is true and cou 3 of the Business and Professions Code to accu- esigner) erformance specifications, materials, compone- onform to the requirements of Title 24, Part 1 es or system design features identified on this C ryksheets, calculations, plans and specifications ted signed copy of this Certificate of Compliance for all applicable inspections. I understand the provides to the building owner at occupancy. JOHN STARLIN SILVER CREEK 2830 BARRETT AVE PERRIS/CA/92571	nplete Documentation Author Signature: Signature Date: 6/18/2 CEA/ HERS Certification Identification (if applicable): Phone: 951-943-5393 of California: 951-943-5393 rrect. 951-943-5393 of California: 1000000000000000000000000000000000000	0 fied on this Certificate of design identified on this svided on other application. the building, and made available building to be included with the

STATE OF CALIFORNIA

City/State/Zip:

PERRIS/CA/92571

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards

Phone:

Electrical Power Distribution

	<form></form>	Project Addr	e: PC - Sir ess:	ngle Modu	ule (12'x40') Restro	oom				Report Pag Date Prepa	ge: ared:			Pag 6/:
<form></form>		A. GENERA							02 00		as Within Proj	oct:		
		Of Project	Garage		Retail	ntial [] Warehouse		Hot	el/ Motel		School Other (Write In	Sup	port Areas
<form></form>		B. PROJECT	r scope		mgn-mse kesider					intricare racing		Stilei (Write II	ŋ. KESTKO	
<form></form>		Table Instruc	ctions: Inclue 01	de any ele	ctrical service syst	tems that a 02	are within the sco	pe of the p 03	permit a	pplication. 04	05		06	
<form> bit bit bit bit bit bit bit bit bit bit</form>	<form> Burk has been been been been been been been bee</form>									Utility	System	Where requ	Demand Respons uired, demand res	e Controls ponse control
<form> Protect Protect</form>	<form> Prime: 1<!--</td--><td>Elec</td><td>ctrical Servi Designation/</td><td>ce</td><td>So</td><td>cope of Wo</td><td>ork¹</td><td>Ratii</td><td>ng</td><td>Provided Metering</td><td>subject to C Elec Code</td><td>automatica standards b</td><td>d which are capable ally responding to a based messaging p</td><td>ie of receiving at least one irotocol which</td></form>	Elec	ctrical Servi Designation/	ce	So	cope of Wo	ork ¹	Ratii	ng	Provided Metering	subject to C Elec Code	automatica standards b	d which are capable ally responding to a based messaging p	ie of receiving at least one irotocol which
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CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/titls/24/2019standards Janual TATE OF CALIFORMA CALIFORMA EDERGY COMMISSION BICC-ELC E (Dranted 01/20) CALIFORMA EDERGY COMMISSION ETRIFICATE OF COMP LIANCE NRC Expect Address: Date Prepared: DOCUMENTATION AUTHOR'S DECLARATION STATEMENT Documentation Author Signature: Leartify that this Certificate of Compliance documentation is accurate and complete. Signature Date: Company: Sill VER CREEK Signature Date: 6/18/20 Cdress: 2830 BARRETT AVE CEA/ HERS Certification (id applicable): CH/SIGN'S DECLARATION STATEMENT Entrify the following under penalty of perjury, under the laws of the State of California: . 1. The information provided on this Certificate of Compliance is true and correct. . 1. The information provided on this Certificate of Time and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance is true and correct. . 1. The information provided on this Certificate of Time 24, Part 1 and Part 6 of the California Code of Regulations. <t< td=""><td>CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards Janua TATE OF CALIFORMA Electrical Power Distribution CALIFORMA ENERGY COMMISSION CERTIFICATE OF COMPUTATE NRC FOGICA E (Isrowand VI/D) CALIFORMA ENERGY COMMISSION DECTIFICATE OF COMPUTATE OF COMPUTATE NRC Troject Name: PC - Single Module (12':A0') Restroom Report Page: Page Topicet Name: PC - Single Module (12':A0') Restroom Date Prepared: 6/ DOCUMENTATION AUTHOR'S DECLARATION STATEMENT Electricit Nation Single Module (12':A0') Restroom Documentation Author Signature: 6/ Documentation Author Name: Ryan McIntosh Documentation Author Signature: 6/ Documentation Author Name: Ryan McIntosh Documentation Identification (Identification Identification (Identification Identification Ide</td><td>CA Building Er STATE OF CALIFI Electrical NRCC-ELC-E (Crr CERTIFICATE Project Name Project Addr J. DECLARA Table E. Add title24/2019 YES () () K. DECLARA There are no</td><td>ornia I Power eated 01/20) OF COMPLI e: PC - Sin ess: TION OF R Ctions: Select Itional Remulstandards/2 NO Cartificates</td><td>Distribu</td><td>ds - 2019 Nonreside ution Jle (12'x40') Restra D CERTIFICATES (e been made bases see documents muss pliance_documen C-01-E - Must be su D CERTIFICATES tance applicable to</td><td>oom OF INSTA ed on inform ts/Nonresi ubmitted fi OF ACCEI o electrica</td><td>LLATION mation provided in ded to the building idential_Documen or all buildings. PTANCE I power distribution</td><td>n previous inspecto ts/NRCI/ Form,</td><td>s tables c r during /Title ments.</td><td>Report Pag Date Prepa</td><td>ge: ent. If any se and can be fo</td><td>lection needs t</td><td>CALIFORNIA ENER</td><td>GY COMMISSION NRC Pag 6/: ase explain wh gy.ca.gov/ Field Inspec Pass</td></t<>	CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards Janua TATE OF CALIFORMA Electrical Power Distribution CALIFORMA ENERGY COMMISSION CERTIFICATE OF COMPUTATE NRC FOGICA E (Isrowand VI/D) CALIFORMA ENERGY COMMISSION DECTIFICATE OF COMPUTATE OF COMPUTATE NRC Troject Name: PC - Single Module (12':A0') Restroom Report Page: Page Topicet Name: PC - Single Module (12':A0') Restroom Date Prepared: 6/ DOCUMENTATION AUTHOR'S DECLARATION STATEMENT Electricit Nation Single Module (12':A0') Restroom Documentation Author Signature: 6/ Documentation Author Name: Ryan McIntosh Documentation Author Signature: 6/ Documentation Author Name: Ryan McIntosh Documentation Identification (Identification Identification (Identification Identification Ide	CA Building Er STATE OF CALIFI Electrical NRCC-ELC-E (Crr CERTIFICATE Project Name Project Addr J. DECLARA Table E. Add title24/2019 YES () () K. DECLARA There are no	ornia I Power eated 01/20) OF COMPLI e: PC - Sin ess: TION OF R Ctions: Select Itional Remulstandards/2 NO Cartificates	Distribu	ds - 2019 Nonreside ution Jle (12'x40') Restra D CERTIFICATES (e been made bases see documents muss pliance_documen C-01-E - Must be su D CERTIFICATES tance applicable to	oom OF INSTA ed on inform ts/Nonresi ubmitted fi OF ACCEI o electrica	LLATION mation provided in ded to the building idential_Documen or all buildings. PTANCE I power distribution	n previous inspecto ts/NRCI/ Form,	s tables c r during /Title ments.	Report Pag Date Prepa	ge: ent. If any se and can be fo	lection needs t	CALIFORNIA ENER	GY COMMISSION NRC Pag 6/: ase explain wh gy.ca.gov/ Field Inspec Pass
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Documentation Author Name: Ryan McIntosh Documentation Author Signature: WMM Company: SILVER CREEK Signature Date: 6/18/20 Address: 2830 BARRETT AVE CEA/ HERS Certification Identification (if applicable): City/State/Zip: PERRIS/CA/92571 Phone: 951-943-5393 RESPONSIBLE PERSON'S DECLARATION STATEMENT Icertify the following under penalty of perjury, under the laws of the State of California: 1. 1. The information provided on this Certificate of Compliance is true and correct. 2. 1 am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer) 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations. 4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application. 5. I will ensure that a completed signed copy of this Certificate of Compliance structure of Compliance to Compliance to the building, and made available with the building permit(s)	Documentation Author Name: Ryan McIntosh Documentation Author Signature: WM Company: SILVER CREEK Signature Date: 6/18/20 Address: 2830 BARRETT AVE CEA/ HERS Certification Identification (if applicable): City/State/Zip: PERRIS/CA/92571 Phone: 951-943-5393 RESPONSIBLE PERSON'S DECLARATION STATEMENT certify the following under penalty of perjury, under the laws of the State of California: 1. 1. The information provided on this Certificate of Compliance is true and correct. 2. 1 an eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer) 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations. 4. The building design features or system design features identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations. 5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available with the building permit(s) issued for the building with the building permit(s) issued for the building with the building permit(s) iss	CA Building Er STATE OF CALIFI Electrical Project Name Project Addre J. DECLARA Table Instruct Table E. Add title24/2019 YES © K. DECLARA There are no K. DECLARA There are no CA Building Er STATE OF CALIFI Electrical Project Addre Project Addre	nergy Efficien ORNIA POWEr I ested 01/20) OF COMPLI e: PC - Si ess: TITION OF R Ctions: Select litional Remulstandards/2 NO CTION OF F of Certificates ORNIA POWEr I ested 01/20) CF COMPLI e: PC - Si ess: TATION A	Distribu	ds - 2019 Nonreside ution ule (12'x40') Restri C CERTIFICATES (e been made base se documents mus pliance_documen -01-E - Must be su D CERTIFICATES tance applicable to ds - 2019 Nonreside ution ule (12'x40') Restri DECLARATION	oom OF INSTA d on infor t be provid ts/Nonresi ubmitted fu OF ACCEF o electrica	Ilance: http://www.	energy.ca.	s tables c r during /Title ments.	Report Pag Date Prepa	rds	lection needs t pound online at	CALIFORNIA ENER	GY COMMISSION Pag G/: ase explain wh gy.ca.gov/ Field Inspec Pass GY COMMISSION GY COMMISSION GY COMMISSION NRC Pag G/: G/:
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City/State/Zip: PERRIS/CA/92571 Phone: 951-943-5393 RESPONSIBLE PERSON'S DECLARATION STATEMENT I certify the following under penalty of perjury, under the laws of the State of California: . 1. The information provided on this Certificate of Compliance is true and correct. 2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer) 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations. 4. 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CERTIFICATE OF COMPLIANCE, ELECTRICAL POWER DISTRIBUTION

January 2020

951-943-5393

PROJECT SPECIFIC STATE AGENCY APPROVAL THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVERCREEK INDUSTRIES, INC (SCI Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT OF SCI Inc. ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCI Inc SHALL BE THE PROPERTY OF SCI Inc PROJECT NAME: SPRECKELS UNION SD SPRECKELS ES (1) 12x40 RESTROOM SHEET TITLE: CERTIFICATE OF COMPLIANCE FORMS REVISIONS PRE-CHECK (PC) DOCUMENT CODE: 2019 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED APPROVED DIV. OF THE STATE ARCHITECT APP: 04-119218 PC **REVIEWED FOR** SS 🗹 FLS 🗹 ACS 🗹 CG 🗹 DATE: 07/01/2021 PC STATE AGENCY APPROVAL SILVER CREEK INDUSTRIES, INC. 5 SILVER CREEK Building for the Next Generation 2830 BARRETT AVE PERRIS, CALIFORNIA 92571 PHONE: 951-943-5393 FAX: 951-943-2211 MODULAR BUILDING DESIGN PROFESSIONAL SILVER CREEK INDUSTRIES 12' x 40' PC PROJECT NO: DRAWN BY: SCALE: AS NOTED DATE: 06-22-2020 P.C. SHEET NUMBER A-0.6A

STATE OF CALIFO	RNIA															
Outdoor I	ligl	nting														
NRCC-LTO-E (Crea	ated	11/19)												CALIFORNI	A ENERGY CO	
CERTIFICATE O	JF C	OMPLIANCE						<u></u>				15444 0/1 101 5			•	NRCC-LTO-
This documen	t IS I	used to demor	istro	ate compliance	e wil	th requirement	ts ir	1 <u>9110.9</u> , <u>9130</u>	. <i>0,</i> §	<u>130.2, §140.7</u>	, and	d <u>§141.0(b)2L</u> for o	utdoo	or lighting scopes us	ing the pre	escriptive path.
Project Name	;	PC - Single Ivid	aui	e (12 x40) Kes	stroe	m				Rep	port	Page:				Page 1 or
Project Addre	55.									Dat	leri	epareu:				0/10/202
A. GENERAL	INF	ORMATION														2
01 Project l	loca	tion (city)								04 Total Illu	ımin	ated Hardscape Ar	ea (ft	2)	60	
02 Climate	Zon	e														
03 Outdoor	Lig	nting Zone per	Tit	le 24, Part 1 §	10-1	14 or as design	nate	ed by Authorit	y Ha	aving Jurisdicti	ion (AHJ):				
LZ-0: Very	/ Lov	v - Undevelop	ed I	Parkland 🔲 L	Z-2:	Moderate - R	ura	Areas		LZ-4: High	ח - M	ust be reviewed by	/ CA E	nergy Commission	for Approv	al
LZ-1: Low	- De	eveloped Park	lanc	√ L	Z-3:	Moderately H	ligh	ı - Urban Areas	6							
B. PROJECT	SCC	PE														2
Table Instruct	ions	: Include any o	outo	loor lighting sy	ystei	ms that are wi	thir	the scope of t	the p	permit applica	tion	and are demonstru	ating	compliance using th	e prescript	tive path
outlined in <u>§1</u>	40.7	or <u>§141.0(b)</u>	<u>2L f</u> a	or alterations.												
My project co	onsis	ts of:				(
		01								-		02				
🖌 New Ligh	nting	g System				Must Comply	wit	h Allowances f	from	n <u>§140.7</u> .						
Altered I	Light	ting System				ls your alterat	ion	increasing the	e coi	nnected lightir	ng lo	ad (Watts)?		🔘 Yes	(🔘 No
Ĩ.		03						04						05		
% of E	xisti	ng Luminaires	Bei	ng Altered ¹	1	Sum Total o	fLu	uminaires Bein	g Ad	dded or Altere	d			Calculation Metho	d	
¹ FOOTNOTES	: % (of Existing Lun	nina	ires Being Alte	ered	= (Sum Total c	of Lu	uminaires Bein	g A	dded or Altere	d / E	xisting Luminaires	withi	n the Scope of the P	ermit Appl	lication) x 100
C. COMPLIA	NC	RESULTS														2
Table Instruct	tions	: If any cell on	thi.	s table says "D	OES	NOT COMPLY	‴ 0I	r "COMPLIES w	vith	Exceptional Co	ondit	tions" refer to Tabl	e D. fe	or guidance.		
	Ca	lculation of To	otal	Allowed Light	ting	Power (Watts) 51	140.7 or §141.	0(b)	2L				Compliance Resul	ts	
01		02		03		04		05		06		07		08		09
General Hardscape Allowance §140.7(d)1	+	Per Application §140.7(d)2	+	Sales Frontage §140.7(d)2	+	Ornamental §140.7(d)2	+	Per Specific Area §140.7(d)2	OR	Existing Power §141.0(b)2L	=	Total Allowed (Watts)	2	Total Actual (Watts)	07 M	ustbe≥08
(See Table I)		(See Table J)		(See Table K)		(See Table L)		(See Table M)		(See Table N)				(See Table F)		
392	+	30	+		+		+		OR		=	422	≥	90	co	MPLIES
	-		_			Cutof	fC	ompliance (Se	e Ta	ble G for Deta	ails)		-	Not Applicable		
						Control	s Co	ompliance (Se	e Ta	able H for Deta	ails)			COMPLIES		
	_		_			00000000000			00-00	and the fight of the light of the state				REAL PROPERTY AND A REAL P		

STATE OF CAI	IFORNIA										
Outdoo	r Lighting										B
NRCC-LTO-E (Created 11/19)								CALIFORNIA ENERGY CON	1MISSI19	
Drojoct No	TE OF COMPLIANCE	(10)v/0) D	stroom			Poport Page				NKC Doc	C-LIU-E
Project Ad	dress	(12 240) N	estroom			Date Prepared				F dg	16/2020
r toject Ad	uress.					Date riepareu	•			0/	10/2020
D. EXCEP	TIONAL CONDITIONS										?
This table	is auto-filled with uneditabl	le commen	ts because of	selections made o	r data entered	l in tables throughou	t the form.				
Total Hard	scape Area in Table A does	not match	the areas ent	ered in Table I. Pl	lease review fo	or compliance.					
E. ADDITI	ONAL REMARKS										2
This table	includes remarks made by t	the nermit	annlicant to th	he Authority Havin	a lurisdiction						0
	includes remains made by e	ine perint	appricant to th		.g						
F. OUTDO	OOR LIGHTING FIXTURE S	SCHEDULE	E .								2
Table Instr	ructions: For new or altered	l lighting sy	stems demon	strating complian	ce with <u>§140.7</u>	(ie Table I has expai	nded for inpl	ut), include all lu	uminaires being insta	alled and	d any
existing lu	minaires remaining or bein	g moved w	ithin the spac	es covered by the	permit applica	ition in the Table belo	ow. For alte	red lighting syst	tems using the Existi	ng Powe	er
method pe	er <u>§141.0(b)2L</u> (ie Table N h	as expande	ed for input), i	nclude only new lu	iminaires bein	g installed and repla	cement lum	inaires being ins	stalled as part of the	project	scope
(ie, do not	include existing luminaires	remaining	or existing lui	minaires being mo	ived).						1.14
Designed	Wattage:						1	71.2			
01	02		03	04	05	06	07	08	09	1	0
Name or Item Tag	Complete Luminaire Des	scription	Watts per luminaire ^{1,2}	How Wattage is determined	Total number	Luminaire Status ³	Excluded per	Design Watts	Cutoff Req. ≥ 6,200 initial lumen output	Field In	spector
					luminaires*		9140.7(a)		§130.2(b) ⁴	Pass	Fail
F-1	30 Watt LED Wallpack	Linear	30	Mfr. Spec ¹	3	New		90	NA: <6,200 lumens		
						Total Desig	ned Watts:	90			
* NOTES: S	Selections with a * require a	a note in th	ne space below	v explaining how o	compliance is	achieved.					
EX: Lumino	aire is lighting a statue; EXC	CEPTION 2	to §130.2(b).								
1 EOOTNO	TES: Authority Having Jurise	diction ma	rack for Lumi	naire cut cheets to	confirm watt	nae used for complia	nce ner 6131	1.0(cl			

November 2019

November 2019

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards

Table Continue

² For linear luminaires, wattage should be indicated as W/lf instead of Watts/luminaire. Total linear feet for the luminaire should be indicated in column 05 instead of number of luminaires. ³ Select "New" for new luminaires in a new outdoor lighting project or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope ⁴ Compliance with mandatory cutoff requirements is required for luminaires with initial lumen output \geq 6,200 unless exempted by <u>§130.2(b)</u>.

STATE OF CALIFORNIA											(196)
Outdoor Lighting										OMMUSSI	
CERTIFICATE OF COMPLIANCE									INERGT O	NF	
Project Name: PC - Single Mod	ule (12'x40') Restro	om		Report	Page:					P	age 3 o
Project Address:				Date Pro	epared:					e	5/16/20
G. CUTOFF REQUIREMENTS (BUG)										1
This Section Does Not Apply											
	POLS										6
H. OUTDOOK LIGHTING CONT	RULS										
even if they are within the spaces When an option having a * is sele show "DOES NOT COMPLY" if the dropdown list to indicate not app	covered by the peri ected, the notes sect notes are left blank licable or an exemp	mit application ion of this tabl . For each requ tion.	e must be completed iirement in columns (l. The lighting contr 02 through 04, do n	ols section of ti ot leave the fie	ie Compli Id blank,	iance Sumr instead sel	nary Table lect NA or I	on the Exempt	first pag * from ti	ie will he
Mandatory Controls											
01		02		03			04			05	5
Area Description		Shut-Off		Auto-Schedule		M	otion Sens	or		Field Ins	pector
Area Description		§130.2(c)1		§130.2(c)2			§130.2(c)3	1		Pass	Fail
Entry Door	P	hotocontrol		Yes		N	4: Wall ≤ 2	4ft			
*NOTES: Controls with a * requir. EX: Not permitted by health & saj	e a note in the space fety to be turned off	e below explain EXCEPTION 1	ning how compliance to <u>§130.2(c)</u> .	is achieved.					Di		
I. LIGHTING POWER ALLOWA	NCE (per §140.7)										1
Table Instructions: Please comple	te this table for area	as using the			(1					
allowance calculations per §140.	7. General Hardsca	e Allowance		5	"Use it or lose	it" Allow	ances (sele	ect all that	apply)		
is per Table 140.7-A while "Use it	or lost it" Allowance	es are per	General						1		
Table 140.7-B. Indicate which all	owances are being u	sed to	✓ Hardscape	Per Applicatio	on Sales	rontage	On On	namental		Per Spec	ific Area
expand sections for user input. L	uminaires that quali	fy for one of	Allowance	T							100700000
the "Use it or lose it" allowances	snall not qualify for	anotner "Use	Table I (below)	Table I	Table	K	Tak	ale I	+	Table	
Calculated Conoral Hardscape Lie	thing Power Allows	nco por Tablo	140.7 A (17.2 8.2)	Table J	Table	: N	Tau	JIE L	<u> </u>	Table	VI
Calculated General Hardscape Lig	nung rower Allowa		05	06	07	Ť	09	00			10
02	03	04	a Wattage Alloward	00	lines	r Mattar	Allowanc	09	<u>k</u>	Tetal	Cana
Area Description	Surface Type	Are	Allowed Density		Dorimotor	Allow	ad Donsity	Linoar All		AW/A	+ I WA
Area Description	Surface Type	Area (ft ²)	(W/ft ²)	(Watts)	Length (If)	Allowe	W/lf)	(Wat	ts)	(W	atts)
Entry	Concrete	200	0.03	6	90		0.4 36				42

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards November 2019 STATE OF CALIFORNIA SI19 SI19 **Outdoor Lighting** NRCC-LTO-E (Created 11/1 CERTIFICATE OF COMPLIANCE Project Name: PC - Single Module (12'x40') Restroom Report Page: Date Prepared: Page 4 of 6 Project Address: 6/16/2020 Initial Wattage Allowance for Entire Site (Watts): Total General Hardscape Allowance (Watts): 392 J. LIGHTING ALLOWANCE: PER APPLICATION Table Instructions: Please complete this table for areas using the wattage allowance per application from <u>Table-140.7-B</u>. 03 04 05 06 07
CALCULATED ALLOWANCE (Watts) D DESIGN WATTS Additional
 Application per Table
 # of
 Allowance
 Extra
 Luminaire
 Watts per

 140.7-B'
 # of
 Locations
 Per Location2
 Allowance
 Name or
 Watts per

 Bldg Entrance/ Exit
 2
 19
 38
 F-1
 30
 1
 Area Description Allowance Design Watts (Watts) Entry door 30 otal Design Watts for this Area Total Allowance (Watts) All Areas: 30 ¹ FOOTNOTES: Primary entrance applications are only available for senior care facilities, healthcare facilities, police stations, hospitals, fire stations, and emergency vehicle facilities. ² The Allowance per Location for ATMs is 100W for the first ATM and 35W for each additional per <u>Table 140.7-B</u>. ³ For luminaires indicated in Table F as linear, wattage in column 07 is W/lf instead of Watts/luminaire. Total linear feet for the luminaire should be indicated in column 08 instead of number of luminaires. K. LIGHTING ALLOWANCE: SALES FRONTAGE This Section Does Not Apply L. LIGHTING ALLOWANCE: ORNAMENTAL This Section Does Not Apply M. LIGHTING ALLOWANCE: PER SPECIFIC AREA This Section Does Not Apply N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only) This Section Does Not Apply CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards November 2019

Outdoor	Lightin	g
NRCC-LTO-E (C	reated 11/19)	
CERTIFICATE	OF COMP	LIANCE
Project Nam	e: PC - S	Single Module (12'x40') Restroom
Project Addı	'ess:	
O. DECLAR	ATION OF	REQUIRED CERTIFICATES OF INSTALLATION
Table Instru Table E. Add title24/2019	ctions: Sel litional Rer Ostandards	ections have been made based on information provided in previous tables on narks. These documents must be provided to the building inspector during /2019_compliance_documents/Nonresidential_Documents/NRCI/_
YES	NO	Form/Title
۲	0	NRCI-LTO-01-E - Must be submitted for all buildings.
۲	0	NRCI-LTO-02-E - Must be submitted for a lighting control system; or for a recognized for compliance.
P. DECLAR	ATION OF	REQUIRED CERTIFICATES OF ACCEPTANCE
Table Instru Table E. Ada Certification	ctions: Sele litional Rer Provider (ctions have been made based on information provided in previous tables o narks. These documents must be provided to the building inspector during a ATTCP). For more information visit: <u>http://www.energy.ca.gov/title24/attc</u>
YES	NO	Form/Title
		NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls exc

TATE OF CALIFORNIA		
Dutdoor Lighting		
RCC-LTO-E (Created 11/19)		
ERTIFICATE OF COMPLIANCE		
roject Name: PC - Single Modul	le (12'x40') Restroom	
roject Address:		
OCUMENTATION AUTHOR'S	DECLARATION STATEMENT	
certify that this Certificate of Com	pliance documentation is accurate	and complete
Ocumentation Author Name:	Ryan McIntosh	Docume
Company:	SILVER CREEK	Signatur
Address:	2830 BARRETT AVE	CEA/ HE
City/State/Zip:	PERRIS/CA/92571	Phone:
RESPONSIBLE PERSON'S DECLARA	TION STATEMENT	- Chata of California
The information provided on the	ity of perjury, under the laws of th	e State of California:
. The information provided on th	the Dusinger and Dusfassions Con	e and correct.
Compliance (responsible design	or the business and Professions Cou	le to accept responsibility it
The energy features and perfor	mance specifications, materials, o	omponents, and manufactu
Certificate of Compliance confo	orm to the requirements of Title 24	I, Part 1 and Part 6 of the Ca
. The building design features or	system design features identified	on this Certificate of Compl
compliance documents, worksh	neets, calculations, plans and spec	ifications submitted to the e
 I will ensure that a completed s 	igned copy of this Certificate of Co	ompliance shall be made ava
to the enforcement agency for	all applicable inspections. I under	stand that a completed sign
documentation the builder pro-	vides to the building owner at occ	upancy.
tesponsible Designer Name:	JOHN STARLIN	Respons
Company :	SILVER CREEK	Date Sig
Address:	2830 BARRETT AVE	License:
City/State/Zip:	PERRIS/CA/92571	Phone:

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards

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Report Page:		Page 5
Date Prepared:		6/16/
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	NRCC-LTO-E
eport Page:	Page 6 of 6
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ate:	6/18/20
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certification Ide be building desi devices for the rnia Code of Re ce are consister orcement agenc ble with the bu copy of this Cer Designer Signa	ntification (if applicable): 951-943-5393 gn or system design identified on this Certificate of building design or system design identified on this gulations. It with the information provided on other applicable y for approval with this building permit application. Iding permit(s) issued for the building, and made available ifficate of Compliance is befulled to be included with the fure: 6/18/20 2475

November 2019

November 2019

NRCC-PLB-E (Created 11/19)	,				CALIFORNIA ENERGY	COMMISSION		
CERTIFICATE OF COMPLIANCE						NRCC-PLB-		
This document is used to demonstrate additions and alterations, for domesti requirements in <u>§110.1, §110.3, §120</u>	e compliance for nonresid ic water heating scopes u .3, <u>§150.0</u> and <u>§150.1(c)8</u>	lential occupancies with re sing the prescriptive path. 3, and with requirements ir	quirements in <u>§110.1, §110.3, §1</u> For high-rise residential and hot n <u>§150.2</u> for additions and alterat	<u>20.3</u> , and <u>§140.5</u> , a el/motel occupanci ions.	nd with requireme es, compliance is d	nts in <u>§141.0</u> for emonstrated wit		
Project Name: PC - Single Module (12'x40') Restroom		Report Page:					
Project Address:			Date Prepared	:		2020-06-3		
A. GENERAL INFORMATION								
01 Project Location (city)			02 Climate Zone					
03 Occupancy Types Within Project	(select all that apply):							
Nonresidential	High-Rise Resi	dential	Hotel/ Motel					
State Building	Healthcare Fa	cility	Other (Write In):					
01 My project consists of (check New System (DHW system being i time in newly constructed buildin System Alteration (equipment, di	all that apply): installed for the first g) stribution or controls)	Sy: Individual System (se	02 stem Type ^{1,2} erving nonresidential spaces) ¹	Equipment	03 System Componer	Controls		
¹ FOOTNOTE: Point of use water heats ² Dwelling units refers to hotel/ motel C. COMPLIANCE RESULTS Table Instructions: Table C will indicat user. If this table says "DOES NOT CO	ers, or other non-central s guest rooms and units in the if the project data inpu MPLY" or "COMPLIES wit 02	systems used to serve nonn a high-rise residential occ t into the compliance docu h Exceptional Conditions"	residential spaces, are considered supancy. Iment is compliant with water he refer to Table D., or the table indi 3	individual systems ating requirements icated as not comp	. This table is not e liant for guidance. 04	ditable by the		
¹ FOOTNOTE: Point of use water heats ² Dwelling units refers to hotel/ motel C. COMPLIANCE RESULTS Table Instructions: Table C will indicat user. If this table says "DOES NOT CO 01	ers, or other non-central s guest rooms and units in the if the project data inpu MPLY" or "COMPLIES wit 02	systems used to serve nonn a high-rise residential occ t into the compliance docu h Exceptional Conditions"	residential spaces, are considered supancy. Iment is compliant with water he refer to Table D., or the table indu 3	individual systems ating requirements icated as not compi	. This table is not e liant for guidance. 04	ditable by the		
¹ FOOTNOTE: Point of use water heats ² Dwelling units refers to hotel/ motel C. COMPLIANCE RESULTS Table Instructions: Table C will indicat user. If this table says "DOES NOT CO 01 Domestic Hot Water Equipment	ers, or other non-central s guest rooms and units in the if the project data inpu MPLY" or "COMPLIES wit 02 Distribution System	systems used to serve nonn a high-rise residential occ t into the compliance docu h Exceptional Conditions" 0 5 Con	residential spaces, are considered supancy. Iment is compliant with water he refer to Table D., or the table indi 3 trols	individual systems ating requirements icated as not comp Complia	. This table is not e liant for guidance. 04 nce Results	ditable by the		
¹ FOOTNOTE: Point of use water heats ² Dwelling units refers to hotel/ motel C. COMPLIANCE RESULTS Table Instructions: Table C will indicat user. If this table says "DOES NOT CO 01 Domestic Hot Water Equipment (See Table F)	ers, or other non-central s guest rooms and units in the if the project data inpu MPLY" or "COMPLIES wit 02 Distribution System (See Table G)	systems used to serve nonn a high-rise residential occ t into the compliance docu h Exceptional Conditions" 0 5 Com (See Ta	residential spaces, are considered supancy. Iment is compliant with water he refer to Table D., or the table indu 3 trols able H)	individual systems ating requirements icated as not comp Complia	. This table is not e liant for guidance. 04 nce Results	ditable by the		

ting System				100
		c	ALIFORNIA ENERGY C	OMMISSION
				NRCC-PLB-
Aodule (12'x40') Restroom	Report Page:			Page 2 of
	Date Prepared:			2020-06-1
DNS				?
neditable comments because of selections made or data ente	red in tables throughout the forn	1.		
ply to this project.				
ade by the permit applicant to the Authority Having Jurisdicti	on.			
FOLIIPMENT				1
EQUIPMENT	nu equinment requirements in 61	10.1 and 5110.3	or high-rise resid	ential and hotel/
EQUIPMENT the following table to demonstrate compliance with mandato with prescriptive requirements in \$150.1(c)8 must also be a	ry equipment requirements in <u>§1</u> lemonstrated and with §150.2 fo	<u>10.1</u> and <u>§110.3</u> . F	or high-rise reside	ential and hotel/
EQUIPMENT the following table to demonstrate compliance with mandato with prescriptive requirements in <u>\$150.1(c)8</u> must also be a ual Systems	ry equipment requirements in <u>§1</u> lemonstrated and with <u>§150.2</u> fo	<u>10.1</u> and <u>§110.3</u> . F r addition and alter	or high-rise resideration scopes.	ential and hotel/
EQUIPMENT the following table to demonstrate compliance with mandato with prescriptive requirements in <u>§150.1(c)8</u> must also be a val Systems 02	ry equipment requirements in <u>§1</u> lemonstrated and with <u>§150.2</u> fo	<u>10.1</u> and <u>§110.3</u> . F r addition and alter 04	For high-rise reside ration scopes. 05	ential and hotel/
EQUIPMENT the following table to demonstrate compliance with mandato a with prescriptive requirements in <u>\$150.1(c)8</u> must also be a ual Systems 02 Equipment Type	ry equipment requirements in <u>51</u> lemonstrated and with <u>\$150.2 for</u> 03 Volume (gal)	10.1 and §110.3. F addition and alter 04 Max GPM/ First Hour Rating (FHR)	or high-rise residu ration scopes. 05 Rated Uniform Energy Factor (UEF)	06 Minimum Required Uniform Energy Factor (UEF) ¹
	t ing System Adule (12'x40') Restroom NS reditable comments because of selections made or data enter oly to this project. ade by the permit applicant to the Authority Having Jurisdicti	ting System Addule (12'x40') Restroom Report Page: Date Prepared: Date Prepared: NS neditable comments because of selections made or data entered in tables throughout the form Ny to this project. ade by the permit applicant to the Authority Having Jurisdiction.	ting System Addule (12'x40') Restroom Addule (12'x40') Restroom Date Prepared: Date Prepared: NS neditable comments because of selections made or data entered in tables throughout the form. Ny to this project. ade by the permit applicant to the Authority Having Jurisdiction.	ting System CALIFORNIA ENERGY C CALIFORNIA ENE

10			Applicable	Requirement
10	0	0	۲	Unfired storage tank insulation shall have Internal + External \ge R-16 OR External \ge R-12. Label required per <u>§110.3(c)3</u>
19	C	C	۲	New state buildings 60% of energy for service water heating from site solar energy or recovered energy per §110.3(c)5
20	0	0	۲	Isolation valves for instantaneous water heater with input rating > 6.8 kBTUH or 2 kW has been specified per §110.3(c)6
G. DOMEST	TIC HOT	WATER D	ISTRIBUTION	I SYSTEM
Fable Instruc residential a	ictions: Co and hotel/	mplete the motel occ	e following tab upancies, com	Ile to demonstrate compliance for nonresidential occupancies with distribution requirements in <u>§120.3</u> and <u>§140.5</u> . For high-rise pliance is demonstrated with requirements in <u>§110.3(c)</u> , <u>§120.3</u> , <u>§150.0</u> , <u>§150.1</u> .

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards

STATE OF C	CALIFORNIA Stic Wat	er Heati	ng Systen	ı							
NRCC-PLB-	E (Created 11/	19) MPLIANCE					CALIFORNIA	ENERGY COMMISSION			
Project N	Jame: P(C - Single Mc	dule (12'x40'	Restroom		Report Page:		Page 3 of !			
Project A	Address:			,		Date Prepared:		2020-06-1			
Table Co	ntinued										
Mandat	ory Pipe In:	ulation All	Occupancies								
12	V	For system - Recircu - The firs - Pipes t	ns serving non ulating system st 8 ft of hot a hat are exterr	residential spaces, pipe i piping, including supply and cold outlet piping for nally heated	nsulation for the following a and return piping of the wat a nonrecirculating storage sy	pplications is specified to er heater ystem	o comply with <u>Table 120.3-A</u>	(see below) per <u>§120.3</u> :			
13	1	shall be in:	shall be prote stalled with a	cover suitable for outdo	ding that due to sunlight, mo or service per <u>§120.3(b)</u> and	sture, equipment main §150.0(j)3	tenance, and wind. Insulatio	n exposed to weather			
				ТАВ	LE 120.3-A PIPE INSULATION	N THICKNESS					
						Nominal Pipe Diameter (in)					
Fluid	Fluid Temperature Range (°F)			onductivity Range per hour per ft ² per °F)	Insulation Mean Rating Temp (°F)	<1	1 to < 1.5	1.5 to < 4			
						1	Minimum Insulation Required				
	105-14	40		0.22-0.28	100	1.0 in or R-7.7	1.5 in or R-12.5	1.5 in or R-11			
	IESTIC HO	T WATER S	YSTEM CON	TROIS							
Table Ins	structions: (Complete the	e following tai	ble to demonstrate comp	liance with controls requiren	nents in <u>§110.3 f</u> or all oc	cupancies. For high-rise resi	dential and hotel/motel			
occupan	Yes	No	Not Applicable	h requirements in <u>§150.1</u>	<u>(C)8</u> .	Requirement					
01	۲	0	0	Construction document temperature controls ca	s require manufacturer certi apable of adjusting temperat	fication that service wate ure settings per <u>§110.3(</u>	er-heating systems are equip a)	oped with automatic			
02	0	0	۲	Systems with capacity > Plumbing Code Section	167,000 BTUH equipped wit 613.0.	h outlet temperature co	ntrols per <u>§110.3(c)1</u> unless	covered by California			
03	0	0	۲	Controls for circulating unless system serves he	pumps or electrical heat trac althcare facility.	e systems are capable of	f automatically turning off th	ne system per <u>§110.3(c)2</u>			
04	C	0	۲	For recirculation system additions or alterations	is serving multiple dwelling u	inits, design includes aut	omatic pump controls per §	150.1(c)8Bii, or §150.2 for			
05	0	C	۲	For recirculation system Appendix RA 4.4.9 per §	s serving individual dwelling 150.1(c)8.	units, design includes m	anual on/off controls as spe	cified in <u>Reference</u>			
06	C	0	۲	For replacement single	heat pump water heaters served that meets demand response	rving individual dwelling	units in climate zones 1-15, hts of §110 12(a) per §150 2	design includes			

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards	

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards

VRCC-PLB-E (C	reated 11/19)		CALIFOR	NIA ENERGY COMMI	
CERTIFICAT	E OF COMP				NRCC-PLB-
Project Nan	ne: PC-:	Ingle Module (12'x40') Restroom	Report Page:		Page 4 of
Project Add	ress:		Date Prepared:		2020-06-1
. DECLARA	ATION OF	REQUIRED CERTIFICATES OF INSTALLATION			8
Table Instru Table E. Add title24/201	ictions: Sele ditional Rer 9standards	ctions have been made based on information provided in previous tab arks. These documents must be provided to the building inspector du '2019_compliance_documents/Nonresidential_Documents/NRCI/	les of this document. If any selection needs to be change ring construction and can be found online at <u>https://ww</u>	d, please explair w.energy.ca.gov,	n why in ∠
VES	NO	Form/Tit	Field In	spector	
105	110	romyne	Pass	Fail	
۲		NRCI-PLB-01-E - Must be submitted for all buildings			
0	۲	NRCI-PLB-02-E - Must be submitted for high-rise residential and hot recognized for compliance.	tel/ motel central hot water distribution systems to be		
0	۲	NRCI-PLB-03-E - Must be submitted for high-rise residential and hot systems to be recognized for compliance.	tel/ motel single dwelling unit hot water distribution		
. DECLAR	ATION OF	REQUIRED CERTIFICATES OF ACCEPTANCE			
nere ure m	o certificati	s of Acceptance applicable to service water neuting requirements.			
		DECLUDED OF DESIGNATION			
K. DECLAR	ATION OF	REQUIRED CERTIFICATES OF VERIFICATION			
K. DECLAR Table Instru Table E. Add created by o Nonresiden	ATION OF actions: Sele ditional Rer a HERS Prov tial_Docum	REQUIRED CERTIFICATES OF VERIFICATION ctions have been made based on information provided in previous tab narks. These documents must be completed by a HERS Rater and provi iders registry, but drafts can be found online at <u>https://www.energy.c</u> <u>ents/NRCV/</u>	les of this document. If any selection needs to be change ided to the building inspector during construction. The f a.gov/title24/2019standards/2019_compliance_docum	d, please explair nal documents n <u>ents/</u>	n why in nust be
C. DECLAR Table Instru Table E. Add Treated by Control of the second Nonresiden YES	ATION OF actions: Sele ditional Rer a HERS Prov tial_Docum NO	REQUIRED CERTIFICATES OF VERIFICATION ctions have been made based on information provided in previous tak arks. These documents must be completed by a HERS Rater and provi iders registry, but drafts can be found online at <u>https://www.energy.c</u> <u>ents/NRCV/</u> Form/Tit	les of this document. If any selection needs to be change ided to the building inspector during construction. The f ca.gov/title24/2019standards/2019_compliance_docum	ed, please explair inal documents n ents/ Field In	spector
K. DECLAR Fable Instru Fable E. Add created by o Nonresiden YES	ATION OF actions: Sele ditional Rer a HERS Prov tial_Docum NO	REQUIRED CERTIFICATES OF VERIFICATION ctions have been made based on information provided in previous tak arks. These documents must be completed by a HERS Rater and provi iders registry, but drafts can be found online at <u>https://www.energy.cents/NRCV/</u> Form/Titt NRCV/	les of this document. If any selection needs to be change ided to the building inspector during construction. The f ca.gov/title24/2019standards/2019_compliance_docum le	d, please explair nal documents n ents/ Field In Pass	spector

November 2019

November 2019

November 2019

STATE OF CALIFORNIA			
Domestic Water Heatin	ig System		
NRCC-PLB-E (Created 11/19)	0 - /		CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE			NRCC-PLB-E
Project Name: PC - Single Mod	dule (12'x40') Restroom	Report Page:	Page 5 of 5
Project Address:		Date Prepared:	2020-06-16
DOCUMENTATION AUTHOR'S	DECLARATION STATEMENT		?
I certify that this Certificate of Co	ompliance documentation is accurate and co	omplete	
Documentation Author Name:	Ryan McIntosh	Documentation Author Signature:	2n
Company:	SILVER CREEK	Signature Date:	6/18/20
Address:	2830 BARRETT AVE	CEA/ HERS Certification Identificatio	on (if applicable):
City/State/Zip:	PERRIS/CA/92571	Phone:	951-943-5393
 certify the following under pen The information provided on I am eligible under Division 3 Compliance (responsible desi The energy features and perfr Certificate of Compliance con The building design features of compliance documents, work I will ensure that a completed to the enforcement agency for documentation the builder print 	alty of perjury, under the laws of the State this Certificate of Compliance is true and c of the Business and Professions Code to ac gner) ormance specifications, materials, compon form to the requirements of Title 24, Part or system design features identified on this sheets, calculations, plans and specificatio d signed copy of this Certificate of Complian or all applicable inspections. I understand t rovides to the building owner at occupancy	e of California: orrect. ccept responsibility for the building design or sy ents, and manufactured devices for the buildin 1 and Part 6 of the California Code of Regulation c Certificate of Compliance are consistent with t ns submitted to the enforcement agency for ap nece shall be made available with the building pe hat a completed signed copy of this Certificate of	stem design identified on this Certificate of g design or system design identified on this ns. he information provided on other applicable proval with this building permit application. ermit(s) issued for the building, and made available of Compliance is reput to be included with the
Responsible Designer Name:	JOHN STARLIN	Responsible Designer Signature:	Fall pour o
Company :	SILVER CREEK	Date Signed:	6/18/20
Address:	2830 BARRETT AVE	License:	2475
City/State/Zin.	DEBDIC /CA /02E74		054 040 5000

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards

PROJECT SPECIFIC STATE AGENCY APPROVAL THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVERCREEK INDUSTRIES, INC (SCI Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT OF SCI Inc. ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCI Inc SHALL BE THE PROPERTY OF SCI Inc PROJECT NAME: SPRECKELS UNION SD SPRECKELS ES (1) 12x40 RESTROOM SHEET TITLE: CERTIFICATE OF COMPLIANCE FORMS

November 2019

REVISIONS
PRE-CHECK (PC) DOCUMENT CODE: 2019 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED
APPROVED DIV. OF THE STATE ARCHITECT APP: 04-119218 PC REVIEWED FOR SS ☑ FLS ☑ ACS ☑ CG ☑ DATE: 07/01/2021
PC STATE AGENCY APPROVAL
SILVER CREEK INDUSTRIES, INC.



2830 BARRETT AVE PERRIS, CALIFORNIA 92571 PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES 12' x 40' PC

PROJECT NO: DRAWN BY:

SCALE: AS NOTED DATE: 06-22-2020 P.C. SHEET NUMBER

A-0.6B

	RNIA	A												
SOIAT KEA	ated :	Areas 1/19)											CALIFORNIA ENI	
CERTIFICATE	DF C	OMPLIANCE												NRCC-SRA-
This documen Fewer, hotel/r which add mo	t is u note ore tl	ised to demoi I ten stories c nan 2,000 ft²	nstra or fev of ro	ate compliance wer or all othe of area. Alter	e wi r no atio	th mandatory onresidential b ons or addition	req uila s oj	uirements in § lings three stor fless than 2,00	i <u>110</u> ries (00 ft	. <u>10</u> for newly or fewer. It is ² of roof area	cons also are	tructed building used to demons not required to c	s which are either high-rise mult strate compliance for additions t omply with <u>§110.10</u> .	ifamily ten stories or to these building types
Project Name	:	PC - Single Mo	odul	e (12'x40') Res	tro	om				Re	port	Page:		Page 1 of
Project Addre	ss:									Da	te P	repared:		6/16/2
A. GENERAL	INF	ORMATION	į.											2
01 Project Location (city)									ildin	ng Type			Other nonresidential bldg 3 sto	ories or fewer
02 Climate	12 Climate Zone							05 Co	nstr	uction Type			New Construction	1
03 Roof	is de	esigned for ve	ehicl	e traffic, parki	ng d	or for heliport			a receit.					
D DDOILCT		DC			_		_							6
B. PROJECT	SCU	PE Colort the se		lanaa nath tha					0.10	(6)10				1
able instruct	ions	select the co	mpi	апсе расп спе	, pro	oject is using to	0 00	omply per <u>9110</u>	<i>J.10</i>	(D)1B.				
ny project co	11515	is of fenerk o	ne).	1						11				
Z Provide	Solar	Ready Area	no e	vcentions	_	The project h	asa	llocated a sola	ar 70	ne on the roo	of nla	an ner requireme	ents in §110.10(b) as document	ed in Table F
Exceptio	n to	Solar Ready /	Area	:		The project in	nclu	des a permane	ently	v installed sol	ar el	ectric system ha	ving a nameplate DC power rati	ng, measured under
Installed	Sola	r Photovoltai	ic Sy	stem		Standard Test	t Co	nditions, of no	o les	s than one wa	att p	er square foot of	roof area, as documented in Ta	ible G.
Exceptio	n to	Solar Ready A	Area	:		The project is	ah	otel/motel or	high	n-rise multifai	nily	occupancy and i	ncludes a permanently installed	domestic solar water
Installed	Sola	r Water Heat	ing S	System		heating system	m c	omplying with	<u>§15</u>	5 <u>0.1(c)8Biii</u> an	d <u>Re</u>	ference Residen	tial Appendix RA4, as document	ed in Table H.
Exceptio	n to Ierm y Me	Solar Ready A ostat and Alt easure	Area: erna	: tive Energy		The project is least one add	a h itio	igh-rise multif nal measure li	fami sted	ly occupancy I in Exception	whe 4 to	re all thermostar §110.10(b)1B is	ts in each dwelling unit comply v installed, as documented in Tab	with <u>§110.12(a)</u> AND : ele I.
C. COMPLIA	NCE	RESULTS												
Table Instruct referenced be	ions	: If any cell or	n this	s table says "D	OE:	S NOT COMPLY	(" o	r "COMPLIES v	vith	Exceptional C	ondi	itions" refer to To	able D. for guidance or see the a	pplicable Table
Allocate	d So	lar Zone		Installe	d P\	/ System		Installed	SW	H System		Smart Tstat	and Alternative EE Measure	Compliance Results
01		02		03		04		05		06		07	08	09
Required Minimum Area (ft ²)	ş	Designated Area (ft²)	OR	Required Minimum DC Power Rating (Watts)	N	Designed DC Power Rating (Watts)	OF	Required Minimum Solar Savings Fraction	5	Designed/ Rated Solar Savings Fraction	OR	JA5 Compliant Thermostat Specified?	Alternative Energy Efficiency Measure	
(See	Tab	le F)	1	(See	Tab	ole G)	1	(See	Tab	ole H)	1		(See Table I)	
85.5	≤	89	OR		≤		OF		≤		OR			COMPLIES
	E	lectrical plan	Loc rou	ation in const ting of condui	ruct t/ p	ion document lumbing to the	s sh e el	nowing the loc ectrical service	atio	n for inverter ater heating s	s and yste	l metering equip m per §110.10(c	ment and a pathway for the).	COMPLIES

November 2019

November 2019

(Participant)

VRCC-SRA-E (Created 11/19)				CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE				NRCC-SRA-
Project Name: PC - Single Modu	ıle (12'x40') Restroom		Report Page:	Page 5 of
Project Address:			Date Prepared:	6/16/2
DOCUMENTATION AUTHOR'S	DECLARATION STATEMENT			2
certify that this Certificate of Con	npliance documentation is accurate and comple	ete	~	
Documentation Author Name:	Ryan McIntosh	Documen	ation Author Signature:	
Company:	SILVER CREEK	Signature	Date:	6/18/20
Address:	2830 BARRETT AVE	CEA/ HER	Certification Identification (if a	pplicable):
City/State/Zip:	PERRIS/CA/92571	Phone:	9	51-943-5393
I certify the following under pena 1. The information provided on th 2. I am eligible under Division 3 o Compliance (recorder)	Ity of perjury, under the laws of the State of Ca his Certificate of Compliance is true and correct of the Business and Professions Code to accept accept	alifornia: t. responsibility for	the building design or system d	lesign identified on this Certificate of
 certify the following under pena The information provided on tl I am eligible under Division 3 or Compliance (responsible design The energy features and perfor Certificate of Compliance confe The building design features or compliance documents, works I will ensure that a completed stot the enforcement agency for 	Ity of perjury, under the laws of the State of Ca his Certificate of Compliance is true and correct of the Business and Professions Code to accept ner) rmance specifications, materials, components, orm to the requirements of Title 24, Part 1 and r system design features identified on this Certi heets, calculations, plans and specifications su signed copy of this Certificate of Compliance sh all applicable inspections. I understand that a	alifornia: t. responsibility for and manufacturr Part 6 of the Cal ificate of Complia bmitted to the er hall be made avai completed signed	the building design or system d d devices for the building desig fornia Code of Regulations. nce are consistent with the info forcement agency for approval lable with the building permit(s d copy of this Certificate of Com	lesign identified on this Certificate of in or system design identified on this primation provided on other applicable with this building permit application.) issued for the building, and made available pliance is faulting to be included with the
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state of california Solar Ready Areas

This Section Does Not Apply

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COMP	LIANCE													or the online his hours of the	NRCC-SRA		
PC - S	ingle Mo	dule (1	2'x40') R	estroor	n					Report	Page	9:			Page 2 of		
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SOLA	RZONE																
ons: Con added i	plete thi oof area	s table	if the pro	oject is	designati	ng a so	lar zone t	to comply	/ with <u>ś</u>	<u>5110.10(b)1</u>	<u>B</u> . Fo	or new constru	iction consider to	tal roof area; for a	additions		
imum	Solar Zo	ne															
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	n Total New or Added Roof Area (ft ²) Total New Added Acof Area Co with Sky (ft ²)			Minimum Solar Zone Based on Total or Added red Roof Area (0.15 x (Roof- Skylt)) (ft ²)		Method/Tool(s) Used to Determine Annual Solar Access for Potential Zones ¹		Potential Solar Zone Areas: Roof Areas with ≥ 70% Solar Access					Minimum Solar				
r Zone ition			Added Roof Area Covered with Skylights (ft ²)					Low-Sloped Area (≤ 2:12 pitch) (ft²)		Ste (> : Ori	eep-Sloped Area 2:12 pitch), iented 90° - 300° (ft ²)	Total Potential Solar Zone Area (ft²)	Zone Based on Potential Zone (0.5 x (Total Potential Zone)) (ft ²)	Required Minimum Sola Zone Area (ft²)			
Added a	57(D	C)	85	.5									85.5		
olar Zo	ne Suba	reas							-								
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CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards

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STATE OF CALIFORN	IA									
Solar Ready	/ Areas									(PB
NRCC-SRA-E (Create	d 11/19)							CAI	LIFORNIA ENERGY CO	
Project Name	CONFLIANCE	dulo (12/x40)	lostroom			Poport Page				Dage 2 e
Project Address	PC - Single Mic	Juule (12 X40) h	estroom			Date Prena	ed.			6/16
rioject Address.						Date Trepa	cu.			0,10,
Designated So	lar Zone Suba	reas								
09	10	11	12	13	14	15	16	17	18	19
Subarea Name or Tag	Building Plan Reference	Roof or Overhang Slope (Low ≤ 2:12 pitch) (Steep > 2:12 pitch)	Is Steep-Sloped Roof or Overhang between 90 and 300 degrees?	Subarea Complies with Title 24, Part 9	Solar Zone Subarea Free of Obstructions per <u>§110.10(b)3A</u>	Subarea is Required Distance from Potential Obstructions per §110.10(b)3B	Is the Smallest Dimension 5 feet or greater?	Min. Area Required per Subarea (ft²)	Designated Area (ft²)	Subarea Complies?
5	Roof Plan	Low-Sloped		Yes	Yes	Yes	Yes	80	89	COMPLIES
		6				Total D	esignated Solar	Zone Area (ft ²):	89	
Interconnection	n Pathways									
Location in cons for the routing o	truction docum of conduit/ plun	ents showing th bing to the elec	ne location for in ctrical service/ w	verters and met ater heating sys	ering equipmen tem per <u>§110.1(</u>	t and a pathway <u>D(c)</u> .		Electri	cal plan	
¹ FOOTNOTE: 1 shade to the sol solar access.	his field is used ar insolation wi	to document ho thout shade. Sh	ow the percentag ading from obstr	e of annual sola ructions located	r access was de on the roof or a	termined per <u>§1</u> ny other part of	10.10(b)1B. Sola the building shal	r access is the ro I not be includea	itio of solar insol I in the determin	ation including ation of annua
G. PERMANEN	ITLY INSTALLE	D SOLAR PHO	TOVOLTAIC (PV	/) SYSTEM						
This Section Doe	s Not Apply									
H. PERMANEN	ITLY INSTALLE	D SOLAR HOT	WATER SYSTEM	M						
This Section Doe	es Not Apply									
I SMART THE	MOSTATS AN	ID AI TERNATI	VE FEEICIENCY	MEASURE						

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STATE OF CALIF	ORNIA				
Solar Rea	ady Area	IS CALIFORNIA E	NERGY COMMIS		
CERTIFICATE	OF COMPL	IANCE		NRCC-SRA-	
Project Nam	e: PC - Si	ngle Module (12'x40') Restroom Report Page:		Page 4 of 5	
Project Addr	ess:	Date Prepared:		6/16/20	
J. DECLARA	TION OF F	REQUIRED CERTIFICATES OF INSTALLATION		2	
Table Instru Table E. Ada title24/2019	ctions: Selec litional Rem ostandards/.	tions have been made based on information provided in previous tables of this document. If any selection needs to be changed, p arks. These documents must be provided to the building inspector during construction and can be found online at <u>https://www.er</u> 2019_compliance_documents/Nonresidential_Documents/NRCI/	lease explair iergy.ca.gov,	i why in ∠	
VEC	NO	Forest/Tala	Field In	spector	
TES	NU	Formy rule	Pass	Fail	
0		NRCI-SPV-01-E - Must be submitted for all newly installed Photovoltaic Systems (PV) being used to comply with §110.10(b)1B			
)		for high-rise multifamily, Hotel/Motel buildings less than 10 stories and nonresidential buildings less than 4 stories.			
~		NRCI-STH-01-E - Must be submitted for all newly installed Solar Water Heating systems being used to comply with	_	_	
0	Still Stories and nonresidential buildings less than 10 stories and nonresidential buildings less than 4 stories.				
K. DECLAR	ATION OF I	REQUIRED CERTIFICATES OF ACCEPTANCE		2	
	0	A CARLES AND A CARLES A			

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards

November 2019

CERTIFICATE OF COMPLIANCE, SOLAR READY AREAS

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards

November 2019

STATE OF CALIFORNIA												
Indoor Lighti NRCC-LTI-E (Created 0)	ng										CALIFORNIA ENF	
CERTIFICATE OF C	OMPLIANCE										or the orthony city	NRCC-LTI-
This document is u	used to demons	trate compliance	e with requireme	ents in <u>§110.9</u> , <u>§</u>	\$11	0.12(c), <u>§130.0</u> ,	<u>§1</u> 3	30.1, <u>§140.6</u> , an	d <u>§141.0(b)2 f</u> or	' ind	door lighting scop	es using the
prescriptive path.										_		
Project Name:	PC - Single Moo	lule (12'x40') Re	stroom			Re	еро	rt Page:				Page 1 of
Project Address:						Da	ate	Prepared:				6/16/202
A. GENERAL INF	ORMATION											E
01 Project Locat	tion (city)					04 Total	Cor	nditioned Floor	Area (ft ²)			
02 Climate Zone	2					05 Total	Un	conditioned Flo	or Area (ft ²)		4	80
03 Occupancy T	ypes Within Pro	oject (select all t	hat apply):			06 # of S	itor	ies (Habitable A	bove Grade)			1
Office		Retail		Warehouse		Hote	el/N	/lotel	School		🗸 Supp	ort Areas
Parking Gau	rage	High-Rise Res	sidential	Relocatable		Heal	lthc	are 🗌	Other (write	in):	RESTROO	M
B. PROJECT SCO	PF				_							9
<u>\$140.6</u> or <u>\$141.0(</u> calculation metho	: Include any lig <u>b)2</u> for alteration d, please open	inting systems th ons. WARNING: a new form or us	at are within the Changing the Ca se "Save As".	e scope of the p lculation Metho	od i	in this table will	ina resi	are aemonstrat ult in the deletio	ing compliance i on of data previo	usir usl	y input. If you ne	e path outlined in ed to change the
	Scop	e of Work				Conditioned	d Sp	baces			Unconditioned	Spaces
		01	La companya da		02 03				04		05	
My P	Project Consists	of (check all tha	t apply):	Ci	alcu	ulation Method		Area (ft ²)			lation Method	Area (ft ²)
✓ New Lighting	System								0	om	plete Building	480
Altered Light	ing System											
		To	tal Area of Work	((ft ²)							480	
C. COMPLIANCE	RESULTS											6
Table Instructions	: If any cell on t	his table says "D	OES NOT COMP	LY" or "COMPLI	ES	with Exceptiona	l Co	onditions" refer	to Table D. for g	uid	ance.	
Lighting in		Allowed Light	ting Power per §	140.6(b) (Watt	ts)			Adjusted Ligh	ting Power per	§14	0.6(a) (Watts)	Compliance Results
conditioned and	01	02	03	04		05		06	07		08	09
unconditioned			Area Category	w (I)				T 1	Adjustments			
spaces must not	Complete	Area Category	Additional	Tailored	-		≥	Total	PAF Control	_	Total Adjusted	05 84.44 4 4 2 09
be combined for	\$140.6(c)1	§140.6(c)2	<u>§140.6(c)2G</u>	(+)	1	(Watts)		(Watts)	\$140.6(a)2		*Includes	05 Must be≥08 §140 6
6140 6/b)1	- managements		(+)	1.1		(tructs)		A CONTRACT	(-)		Adjustments	2
3140.0[0/1.	(See Table I)	(See Table I)	(See Table J)	(See Table K)				(See Table F)	(See Table P)			
Conditioned:					=		≥			=		
Unconditioned:	312		j.	í.	=	312	≥	300		=	300	COMPLIES
Table Continued					-		-					

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards

NRCC-I TI-F (C	reated 01/20)						C4	LIFORNIA ENERGY C	OMMISSIO	N 100
CERTIFICA	TE OF COMPLIANCE						Cr.		NF	RCC-LTI-
Project Na	me: PC - Single Module (12'x40') F	Restroom			Report Page:				Pa	ge 2 of
Project Ad	dress:				Date Prepared	1:			6/	/16/202
				Cont	rols Compliance (S	ee Table H for D	Details)	COMPLI	ES	
			Rated	Power Reduct	ion Compliance (S	ee Table Q for D	Details)	Not Applic	able	
D. EXCEPT	TIONAL CONDITIONS									2
This table i	s auto-filled with uneditable comme	nts because of s	elections made o	r data entered	in tables through	out the form.				
E. ADDITI	ONAL REMARKS									2
E. ADDITI	ONAL REMARKS ncludes remarks made by the permit	applicant to th	e Authority Havin	g Jurisdiction.						
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E. ADDITI This table in F. INDOO Table Instr Designed V 01 Name or Itam Tag	ONAL REMARKS Includes remarks made by the permit R LIGHTING FIXTURE SCHEDULE uctions: Include all permanent desig Wattage: Unconditioned Spaces 02 Complete Luminaire Description	applicant to th ned lighting and 03 Modular	e Authority Havin d all portable light 04 Small Aperture	g Jurisdiction. ting in offices. 05 Watts per Juniazira?	06 How Wattage is	07 Total number	08 Exempt per 5140 6(3)2	09 Design Watts	1 Field In	2 0 spector
F. INDOO Table Instr Designed V 01 Name or Item Tag	ONAL REMARKS ncludes remarks made by the permit R LIGHTING FIXTURE SCHEDULE uctions: Include all permanent desig Wattage: Unconditioned Spaces 02 Complete Luminaire Description	applicant to th ned lighting and 03 Modular (Track) Fixture	e Authority Havin d all portable light 04 Small Aperture & Color Change ¹	g Jurisdiction. ting in offices. 05 Watts per luminaire ²	06 How Wattage is determined	07 Total number Iuminaires	08 Exempt per §140.6(a)3	09 Design Watts	1 Field In Pass	0 Fail
E. ADDITI This table i F. INDOO Table Instr Designed V 01 Name or Item Tag F-1	ONAL REMARKS includes remarks made by the permit R LIGHTING FIXTURE SCHEDULE uctions: Include all permanent desig Wattage: Unconditioned Spaces 02 Complete Luminaire Description Lay-in LED Fixture	applicant to the ned lighting and 03 Modular (Track) Fixture	e Authority Havin d all portable light 04 Small Aperture & Color Change ¹	g Jurisdiction. ting in offices. 05 Watts per luminaire ² 50	06 How Wattage is determined Mfr. Spec ²	07 Total number luminaires 6	08 Exempt per §140.6(a)3	09 Design Watts 300	1 Field In Pass	0 spector Fail

¹ FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per <u>\$140.6(a)4B</u> is adjusted to be 75% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05. ² Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per <u>\$130.0(c)</u> Wattage used must be the maximum rated for the luminaire, not the lamp.

G. MODULAR LIGHTING SYSTEMS This Section Does Not Apply

H. INDOOR LIGHTING CONTROLS (Not Including PAFs)

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards

STATE OF CALIFORNIA Indoor Lighting NRCC-LTI-E (Created 01/20) CERTIFICATE OF COMPLIANCE

CALIFORNIA ENERGY COMMISSION	
NRC	C-LTI-E
Page	3 of 6

January 2020

6/16/2020

January 2020

January 2020

CERTIFICATE OF COM	PLIANCE							N	RCC-LTI-
Project Name: PC - Single Module (12'x40') Restroom Report Page:								Pa	age 3 of
Project Address:		Date Prepared:					6/16/202		
Table Instructions: Ple must be completed. Tl	ase include lighting controls for conditio ne lighting controls section of the Compl	ned and uncondition iance Summary Ta	oned spaces in the first p	his table. When an age will show "DC	o option having a ' DES NOT COMPLY'	* is selected, th ' if the notes ar	e notes secti e left blank.	on of this	table
Building Level Contro	s								
	01				02			03	É.
	Mandatory Demand Response			Shut-(Off Controls			Field Inspector	
	§110.12(c)		§130.1(c)					Pass	Fail
	Not Required ≤ 10,000 SF		See Area/Space Level Controls						
Area Level Controls									
04	05	06	07	08	09	10	11	3	12
Area Description	Complete Building or Area Category Primary Function Area	Area Controls	Multi-Level Controls	Shut-Off Controls	Primary/Skylit Daylighting	Secondary Daylighting	Interlocked Systems	Field Ir	spector
		And Street of	§130.1(b)	§130.1(c)	<u>§130.1(d)</u>	§140.6(d)	§140.6(a)1	Pass	Fail
Restroom	SchoobBuildingg	Manual ON/ Manual ON/OFF OFF	Dîmmeer	Occ.Sensor	NAA	NAA			
*NOTES: Controls with	a * require a note in the space below e	explaining how com	pliance is achie	ved.		1	3		-
EX: Conference 1: Prin	ary/Skylight Daylighting: Exempt becau	se less than 120 w	atts of general li	ghting;	PI	an Sheet Show	ing Daylit Zo	nes:	
LACEP 11014 1 10 9130.	10/2			1					

I. LIGHTING POWER ALLOWANCE:	COMPLETE BUILDING OR AREA CATEGORY METHO	DS				1
Table Instructions: Complete the table allowances per <u>§140.6(c)</u> or adjustme	for each area complying using the Complete Building or Anter <u>\$140.6(a)</u> are being used.	Area Category Methods	per <u>§140.6(</u>	<u>b)</u> . Indicate if	additional lighting	power
Unconditioned Spaces				10	28	
01	02	03	04	05	06	
Area Description	Complete Building or Area Category	Allowed Density	Area	Allowed Wattage	Additional All Adjustr	lowances / nent
	Primary Function Area	(W/ft ²)	(11-)	(Watts)	Area Category	PAF
Restroom	School Building	0.65	480	312		
		TOTAL:	480	312	See Tables J or	[•] P for deta

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards

NRCC-LTI-E (Created 01/20)		CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE		NRCC-LT
Project Name: PC - Single Module (12'x40') Restroom	Report Page:	Page 4 of
Project Address:	Date Prepared:	6/16/20
J. ADDITIONAL LIGHTING ALLOWANCE: AREA CATEGORY METHOD Q	UALIFYING LIGHTING SYSTEM	
This Section Does Not Apply		
K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE		
This Section Does Not Apply		
L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY		
This Section Does Not Apply		
M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK	LIGHTING	
This Section Does Not Apply		
N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED ORNAMENTAL/SP	PECIAL EFFECTS	
This Section Does Not Apply		
O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE N	MERCHANDISE	
This Section Does Not Apply		
P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUST	STMENT FACTOR (PAF))	
This Section Does Not Apply		
Q. RATED POWER REDUCTION COMPLIANCE FOR ALTERATIONS		
This Section Does Not Apply		
R. 80% LIGHTING POWER FOR ALTERATIONS - CONTROLS EXCEPTION	S	
This Section Does Not Apply		
S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)		
This Section Does Not Apply		14
T. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION		

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards

January 2020

NRCC-LTI-E (Cro	eated 01/20)	CALIFORNIA E	NERGY COMMI	SSION
CERTIFICAT	E OF COMF	PLIANCE		NRCC-LTI-I
Project Nam	ne: PC - :	Single Module (12'x40') Restroom Report Page:		Page 5 of
Project Add	ress:	Date Prepared:		6/16/202
Table Instru Table E. Ada title24/2019	ctions: Sele litional Rei <u>Ostandards</u>	ections have been made based on information provided in previous tables of this document. If any selection needs to be changed, p marks. These documents must be provided to the building inspector during construction and can be found online at <u>https://ww2.en 2019_compliance_documents/Nonresidential_Documents/NRCI/</u>	lease explair ergy.ca.gov/	why in
VES	VES NO Excep/Title		Field In	spector
125	110	Tomy rue	Pass	Fail
۲	0	NRCI-LTI-01-E - Must be submitted for all buildings		
۲	0	NRCI-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.		
0	۲	NRCI-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room, or a theater to be recognized for compliance.		
0	۲	NRCI-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.		
0	۲	NRCI-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.		
U. DECLAR	ATION OF	REQUIRED CERTIFICATES OF ACCEPTANCE		2
Table Instru Table E. Ado Acceptance	ctions: Sele litional Rei Test Techr	ctions have been made based on information provided in previous tables of this document. If any selection needs to be changed, p marks. These documents must be provided to the building inspector during construction and any with "-A" in the form name must b ician Certification Provider (ATTCP). For more information visit: <u>http://www.energy.ca.gov/title24/attcp/providers.html</u>	lease explair pe completed	n why in I through an
YES	NO	Form/Title	Field In	spector
			Pass	Fail
0	0	NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.		
0	۲	NRCA-LTI-03-A - Must be submitted for automatic daylight controls.		
0	۲	NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.		
0	۲	NRCA-LTI-05-A - Must be submitted for institutional tuning power adjustment factor (PAF).		
-				

NRCA-ENV-03-F - Must be submitted for daylighting design power adjustment factors (PAF).

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards

January 2020

LA BUIRDING Energy Efficiency Standard	ls - 2019 Nonresidential Compliance: <u>http://www.en</u>	<u>tergy.ca.gov/title24/2019standards</u>	January 2020
STATE OF CALIFORNIA			
ndoor Lighting			(m)
VRCC-LTI-E (Created 01/20)			CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE		1	NRCC-LTI-
Project Name: PC - Single Modu	le (12'x40') Restroom	Report Page:	Page 6 of
Project Address:		Date Prepared:	6/16/202
DOCUMENTATION AUTHOR'S	DECLARATION STATEMENT		?
I certify that this Certificate of Con	npliance documentation is accurate and comple	ete	-
Documentation Author Name:	Ryan McIntosh	Documentation Author Signature:	Zn
Company:	SILVER CREEK	Signature Date:	6/18/20
Address:	2830 BARRETT AVE	CEA/ HERS Certification Identification (i	f applicable):
City/State/Zip:	PERRIS/CA/92571	Phone:	951-943-5393
RESPONSIBLE PERSON'S DECLARA I certify the following under penal 1. The information provided on th 2. I am eligible under Division 3 of Compliance (responsible design	TION STATEMENT Ity of perjury, under the laws of the State of C is Certificate of Compliance is true and correc f the Business and Professions Code to accept ner) represent the complications of the state of the state representation of the state of the state of the state representation of the state of the state of the state state of the state of the state of the state of the state state of the state of the state of the state of the state of the state state of the state of	alifornia: .t. responsibility for the building design or system	n design identified on this Certificate of
 The energy features and perfor Certificate of Compliance confc The building design features or compliance documents, worksi I will ensure that a completed s to the enforcement agency for documentation the builder pro 	ran to the requirements of Title 24, Part 1 and system design features identified on this Cert heets, calculations, plans and specifications su- igned copy of this Certificate of Compliance si all applicable inspections. I understand that a vides to the building owner at occupancy.	and manufactured devices for the building de l Part 6 of the California Code of Regulations. ificate of Compliance are consistent with the i bmitted to the enforcement agency for approv hall be made available with the building permi completed signed copy of this Certificate of Co	sign or system design identified on this nformation provided on other applicable /al with this building permit application. t(s) issued for the building, and made available on pliance is required to be included with the
 The energy features and perfor Certificate of Compliance confc The building design features or compliance documents, worksi I will ensure that a completed s to the enforcement agency for documentation the builder pro Responsible Designer Name: 	name of the requirements of Title 24, Part 1 and system design features identified on this Cert heets, calculations, plans and specifications su igned copy of this Certificate of Compliance si all applicable inspections. I understand that a vides to the building owner at occupancy. JOHN STARLIN	and manufactured devices for the building de l Part 6 of the California Code of Regulations. ificate of Compliance are consistent with the i bmitted to the enforcement agency for approv- hall be made available with the building permi completed signed copy of this Certificate of Co- Responsible Designer Signature:	sign or system design identified on this nformation provided on other applicable /al with this building permit application. t(s) issued for the building, and made available mpliance is regulated to be included with the
3. The energy features and perfor Certificate of Compliance confc 4. The building design features or compliance documents, works! 5. I will ensure that a completed s to the enforcement agency for documentation the builder pro Responsible Designer Name: Company :	market specifications, internals, components, orm to the requirements of Title 24, Part 1 and system design features identified on this Cert heets, calculations, plans and specifications su signed copy of this Certificate of Compliance sl all applicable inspections. I understand that a vides to the building owner at occupancy. JOHN STARLIN SILVER CREEK	and manufactured devices for the building de I Part 6 of the California Code of Regulations. ificate of Compliance are consistent with the i bmitted to the enforcement agency for approv hall be made available with the building permi completed signed copy of this Certificate of Co Responsible Designer Signature:	sign or system design identified on this nformation provided on other applicable ral with this building permit application. t(s) issued for the building, and made available ompliance is refuted to be included with the formation of the building of the second second second building of the building of the second second second building of the building of the second second second building of the second second second second second second building of the second second second second second second second second secon
A. The energy features and perfor Certificate of Compliance confc The building design features or compliance documents, works! I will ensure that a completed s to the enforcement agency for documentation the builder pro Responsible Designer Name: Company : Address:	random spectrations, internals, components, orm to the requirements of Title 24, Part 1 and system design features identified on this Cert heets, calculations, plans and specifications su signed copy of this Certificate of Compliance sl all applicable inspections. I understand that a vides to the building owner at occupancy. JOHN STARLIN SILVER CREEK 2830 BARRETT AVE	and manufactured devices for the building de I Part 6 of the California Code of Regulations. ificate of Compliance are consistent with the i bmitted to the enforcement agency for approv hall be made available with the building permi completed signed copy of this Certificate of Co Responsible Designer Signature: Date Signed: License:	sign or system design identified on this Information provided on other applicable ral with this building permit application. t(s) issued for the building, and made available ompliance is reduced to be included with the difference of the second second second second second 6/18/20 2475

PROJECT SPECIFIC STATE AGENCY APPROVAL
THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVERCREEK INDUSTRIES, INC (SCI Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT OF SCI Inc. ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCI Inc SHALL BE THE PROPERTY OF SCI Inc
PROJECT NAME: SPRECKELS UNION SD SPRECKELS ES (1) 12x40 RESTROOM
CERTIFICATE OF COMPLIANCE FORMS
REVISIONS
25 PRE-CHECK (PC) DOCUMENT CODE: 2019 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED
APPROVED DIV. OF THE STATE ARCHITECT APP: 04-119218 PC REVIEWED FOR SS I FLS I ACS I CG I DATE: 07/01/2021
PC STATE AGENCY APPROVAL SILVER CREEK INDUSTRIES, INC.
SILVER SILVER SILVER Building for the Next Generation 2830 BARRETT AVE PERRIS, CALIFORNIA 92571 PHONE: 951-943-5393 FAX: 951-943-2211
MODULAR BUILDING DESIGN PROFESSIONAL
SILVER CREEK INDUSTRIES 12' x 40' PC PROJECT NO:
DRAWN BY: SCALE: AS NOTED DATE: 06-22-2020
P.C. SHEET NUMBER

CONSTRUCTION WASTE MANAGEMENT PLAN

- A DEFINITIONS
- 1. CONSTRUCTION AND DEMOLITION (C&D) WASTE: INCLUDES ALL NON-HAZARDOUS SOLID WASTES RESULTING FROM CONSTRUCTION, REMODELING, ALTERATIONS, REPAIR, AND DEMOLITION. INCLUDES MATERIAL THAT IS
- RECYCLED, REUSED, SALVAGED OR DISPOSED AS GARBAGE. 2. RECYCLING: THE PROCESS OF SORTING, CLEANING, TREATING, AND RECONSTITUTING MATERIALS FOR THE PURPOSE OF USING THE MATERIAL IN THE MANUFACTURE OF A NEW PRODUCT.
- 3. CO-MINGLED C&D RECYCLING: THE PROCESS OF COLLECTING MIXED RECYCLABLE MATERIALS IN ONE CONTAINER ON-SITE. THE CONTAINER IS TAKEN TO A MATERIAL RECOVERY FACILITY WHERE MATERIALS ARE SEPARATED FOR RECYCLING.
- B. PERFORMANCE REQUIREMENTS GENERAL: WASTE MATERIAL GENERATED DURING PROJECTS SHALL BE RECYCLED OR REUSED WHENEVER PRACTICABLE. DIVERT A MINIMUM OF 90% C&D WASTE, BY WEIGHT, FROM THE LANDFILL BY A CO-MINGLED C&D RECYCLING FACILITY I. C&D WASTE MATERIALS THAT SHALL BE SALVAGED, REUSED OR RECYCLED INCLUDE, BUT ARE NOT LIMITED TO. THE FOLLOWING: CONCRETE, METALS, WINDOW GLASS, WOOD, GYPSUM BOARD, CARPETING AND PAD, CEILING TILES
- C. QUALITY ASSURANCE

PRECONSTRUCTION CONFERENCE: REVIEW METHODS AND PROCEDURES RELATED TO WASTE MANAGEMENT INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING: I. REVIEW AND DISCUSS WASTE MANAGEMENT PLAN INCLUDING RESPONSIBILITIES OF WASTE

- MANAGEMENT COORDINATOR II. REVIEW REQUIREMENTS FOR DOCUMENTING QUANTITIES OF EACH TYPE OF MATERIALS THAT WILL BE
- SALVAGED, RECYCLED OR DISPOSED OF AS WASTE. III. REVIEW PROCEDURES FOR PERIODIC WASTE COLLECTION AND TRANSPORTATION TO RECYCLING AND
- DISPOSAL FACILITIES. IV. REVIEW WASTE MANAGEMENT REQUIREMENTS FOR EACH TRADE.

D. WASTE MANAGEMENT PLAN

- INDENTIFY AND CONTRACT WITH A WASTE MANAGEMENT SERVICES PROVIDER OR ASSIGN RESPONSIBILITY TO INHOUSE WASTE MANAGEMENT PROJECT ADMINISTRATOR
- RESPONSIBLE PARTY SHALL DEVELOP AND PROVIDE A PLAN WHICH INCLUDES THE FOLLOWING INFORMATION: I. TYPES OF C&D WASTE EXPECTED TO BE GENERATED DURING DEMOLITION AND CONSTRUCTION.
- II. PROPOSED METHODS FOR C&D WASTE SALVAGE, REUSE, RECYCLING AND DISPOSAL III. PROPOSED METHODS FOR SALVAGE, REUSE, RECYCLING AND DISPOSAL DURING CONSTRUCTION
- INCLUDING, BUT NOT LIMITED TO, ONE OR MORE OF THE FOLLOWING:
- A. REQUIRING SUBCONTRACTORS TO TAKE THEIR C&D WASTE TO A RECYCLING FACILITY, B. CONTRACTING WITH A RECYCLING HAULER TO HAUL RECYCLABLE C&D WASTE TO AN
- APPROVED RECYCLING OR MATERIAL RECOVERY FACILITY,
- C. PROCESSING AND REUSING MATERIALS ON-SITE

3. BURNING OF C&D WASTE IS NOT PERMITTED.

- E. WASTE MANAGEMENT REPORT 1. WASTE MANAGEMENT SERVICES PROVIDER OR ADMINISTRATOR SHALL SUBMIT A CUMULATIVE WASTE MANAGEMENT REPORT ON A REGULAR BASIS WHICH INCLUDES: I. A RECORD OF THE TYPE AND QUANTITY, BY WEIGHT, OF EACH MATERIAL SALVAGED, REUSED, RECYCLED
 - OR DISPOSED. II. TOTAL QUANTITY OF WASTE RECYCLED AS A PERCENTAGE OF TOTAL WASTE.
 - III. DISPOSAL RECEIPTS: COPY OF RECEIPTS ISSUED BY A DISPOSAL FACILITY FOR C&D WASTE THAT IS DISPOSED IN A LANDFILL
 - IV. RECYCLING RECEIPTS: COPY OF RECEIPTS ISSUED BY APPROVED RECYCLING FACILITIES FOR COMINGLED MATERIALS. INCLUDE WEIGHT TICKETS FROM THE RECYCLING HAULER OR MATERIAL RECOVERY FACILITY AND VERIFICATION OF THE RECYCLING RATE FOR CO-MINGLED LOADS AT THE FACILITY.
- V. SALVAGED MATERIALS DOCUMENTATION: TYPES AND QUANTITIES, BY WEIGHT, FOR MATERIALS SALVAGED FOR REUSE ON SITE, SOLD OR DONATED TO A THIRD PARTY.
- F. CONSTRUCTION WASTE MANAGEMENT, GENERAL REQUIREMENTS 1. USE DETAILED MATERIAL ESTIMATES TO REDUCE RISK OF UNPLARMED AND POTENTIALLY WASTEFUL CUTS. 2 TO THE GREATEST EXTENT POSSIBLE. INCLUDE IN MATERIAL PURCHASING AGREEMENTS A WASTE REDUCTION PROVISION REQUESTING THAT MATERIALS AND EQUIPMENT BE DELIVERED IN PACKAGING MADE OF RECYCLABLE MATERIAL, THAT THEY REDUCE THE AMOUNT OF PACKAGING, THAT PACKAGING BE TAKEN BACK FOR REUSE OR RECYCLING, AND TO TAKE BACK ALL UNUSED PRODUCT. INSURE THAT SUBCONTRACTORS REQUIRE THE SAME
- PROVISIONS IN THEIR PURCHASE AGREEMENTS. 3. CONDUCT REGULAR VISUAL INSPECTIONS OF DUMPSTERS AND RECYCLING BINS TO REMOVE CONTAMINANTS.
- 4. A MINIMUM OF 65% (BY WEIGHT) OF THE NON-HAZARDOUS CONSTRUCTION WASTE SHALL BE RECYCLED AND/OR SALVAGED FOR REUSE
- 5. CONSTRUCTION WASTE MATERIALS SHALL BE COLLECTED IN CO-MINGLED CONTAINERS EXCEPT STEEL AND WOOD SHALL BE COLLECTED SEPARATELY.
- 6. CONSTRUCTION WASTE SHALL BE HAULED, SEPARATED, AND MEASURED BY CR+R (OR AN EQUAL WASTE MANAGEMENT COMPANY). A REPORT SHALL BE PROVIDED INDICATING THE DIVERSION RATE (BY VOLUME).
- G. REMOVAL OF CONSTRUCTION WASTE MATERIALS, GENERAL REQUIREMENTS 1. REMOVE C&D WASTE MATERIALS FROM PROJECT SITE ON A REGULAR BASIS. DO NOT ALLOW C&D WASTE TO

ACCUMULATE ON-SITE 2. TRANSPORT C&D WASTE MATERIALS OFF PROPERTY AND LEGALLY DISPOSE OF THEM.

IEQ PLAN

- A. CONSTRUCTION PHASE 1. NOT USED
- 2. PROTECTION OF MATERIALS I. ALL BUILDING MATERIALS SHALL BE PROTECTED FROM WEATHER AND OTHER MOISTURE SOURCES WHEN RECOMMEND BY THE MANUFACTURER. II. ANY POROUS MATERIAL WITH VISIBLE MICROBIAL GROWTH SHALL NOT BE INSTALLED. III. ANY OTHER MATERIAL WITH VISIBLE MICROBIAL GROWTH SHALL BE THOROUGHLY CLEAN AND DECONTAMINATED PRIOR TO INSTALLATION.
- 3. PROTECTION OF INTERIOR ENVIRONMENT I. WHENEVER POSSIBLE ALL SANDING, CUTTING GRINDING OR OTHER ACTIVITIES WHICH WILL GENERATE AIRBORNE PARTICLES SHALL BE PERFORMED AWAY FROM THE BUILDING. II. WHERE AIRBORNE PARTICLE GENERATING ACTIVITIES CANNOT BE PERFORMED AWAY FROM THE BUILDING
- PROTECTIVE MEASURES SHALL BE TAKE TO SEAL INTERIOR AREAS TO REDUCE OR ELIMINATE PARTICLE TRANSFER. III. ANY TEMPORARILY UNFILLED EXTERIOR OPENINGS SHALL BE PROTECTED WITH PLASTIC SHEETING, OR OTHER BARRIER, TO PREVENT THE MOISTURE AND OTHER CONTAMINANTS FROM ENTERING THE BUILDING. IV. ALL WELDING SHALL BE PERFORMED PRIOR TO THE INSTALLATION OF EXTERIOR WALLS WHEREVER POSSIBLE.
- 4. DUCT SYSTEM CONSTRUCTION
- I. THE DUCT SYSTEMS SHALL BE CONSTRUCTED AND INSTALLED PER THE SMACNA HV AC DUCT CONSTRUCTION STANDARDS FOR METAL AND FLEXIBLE DUCTWORK. II. THE DUCT SYSTEMS SHALL BE CONSTRUCTED AND INSTALLED PER THE SMACNA FIBROUS GLASS DUCT CONSTRUCTION STANDARDS III. THE DUCT SYSTEMS SHALL BE CONSTRUCTED AND INSTALLED NFPA 90A & NFPA 90B.
- IV. ONCE INSTALLED ALL OPEN DUCTS AND REGISTERS SHALL BE PROTECTED WITH PLASTIC SHEETING, OR OTHER BARRIER, UNTIL THE BUILDING HAS BEEN COMPLETELY INSTALLED AND ENCLOSED AND THE MECHANICAL SYSTEM IS READY TO BE STARTED. V. ALL OIL FILM SHALL BE REMOVED FROM DUCTS PRIOR TO INSTALLATION.
- VI. ALL DUST AND DIRT SHALL BE REMOVED FROM BOTH THE INTERIOR AND EXTERIOR OF ALL DUCTS PRIOR TO INSTALLATION. 5. MATERIALS INSTALLATION
- VOLATILE ORGANIC COMPOUNDS (VOC) ARE INSTALLED. II. NATURAL OR TEMPORARY MECHANICAL VENTILATION SHALL BE CONTINUED UNTIL SUCH A TIME THAT THE VOC EMISSIONS HAVE DISSIPATED
- III. ANY TEMPORARY VENTILATION SHALL BE EXHAUSTED TO THE EXTERIOR OF THE BUILDING. IV. NOT USED V. MATERIALS INSTALLATION SHALL BE SEQUENCED WHENEVER POSSIBLE TO ALLOW FOR THE INSTALLATION
- OF VOC EMITTING MATERIALS PRIOR TO THE INSTALLATION OF POROUS AND FIBROUS MATERIALS. VI. MATERIALS WHICH EMIT A SIGNIFICANT AMOUNT OF VOCS OR ODORS SHALL BE STORED IN A MANNER WHICH ALLOWS FOR OFF-GASSING, IN A DRY AND WELL VENTILATION AREA, PRIOR TO INSTALLATION. VII. NOT USED

INTERIOR LIGHTING MANDATORY MEASURES APPLICABLE REQUIREMENTS OF SECTION 110.9. ALL LUMINAIRES SHALL BE FACTORY-LABELED PER SECTION 130.0(c). EACH ROOM AND AREA WITH FLOOR-TO-CEILING WALLS IN THIS BUILDING SHALL BE EQUIPPED WITH MANUAL ON AND OFF LIGHTING CONTROLS PER SECTION 130.1(a). ALL ROOMS AND AREAS 100 SF OR GREATER AND WITH MORE THAN 0.5 WATT PER SF OF LIGHTING LOAD WITH 2 OR MORE LUMINAIRES SHALL BE CONTROLLED WITH MULTI-LEVEL SWITCHING FOR UNIFORM REDUCTION OF LIGHTING WITHIN THE ROOM. CONTROL STEPS SHALL MEET REQUIREMENTS IN TABLE 130 1-A PROJECT SPECIFIC STATE AGENCY APPROVAL SPACES WITH 120 WATTS, OR MORE IN COMBINED PRIMARY/SKYLIT ZONES AND 24 SF, OR MORE OF FENESTRATION, SHALL BE CONTROLLED WITH AUTOMATIC DAYLIGHTING CONTROLS PER SECTION THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE 130.1(d). THE PROPERTY OF SILVERCREEK INDUSTRIES. INC (SCI Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE OUTDOOR LIGHTING MANDATORY MEASURES: USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE APPLICABLE REQUIREMENTS OF SECTION 110.9. MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS ALL LUMINAIRES SHALL BE FACTORY-LABELED PER SECTION 130.0(c) THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT OF SCI Inc. OUTDOOR LIGHTING WHEN DAYLIGHT IS AVAILABLE PER SECTION 130.2(c). ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ALL OUTDOOR LIGHTING SHALL BE INDEPENDENTLY CONTROLLED FROM OTHER ELECTRICAL LOADS ORIGINATING WITH SCI Inc SHALL BE THE PROPERTY OF SCI Inc WHICH ARE CONTROLLED BY AN AUTOMATIC SCHEDULING CONTROL PER SECTION 130.2(c). PROJECT NAME: SOLAR READY AND ELECTRICAL DISTRIBUTION MANDATORY MEASURES SPRECKELS UNION SD A SOLAR ZONE SHALL BE PROVIDED ON THE ROOF OF THE BUILDING PER SECTION 110.10(b). SPRECKELS ES A PATHWAY SHALL BE PROVIDED FROM THE SOLAR ZONE TO AN INDICATED LOCATION SUITABLE FOR THE FUTURE INSTALLATION OF INVERTERS AND METERING EQUIPMENT PER SECTION 110.10(c). (1) 12x40 RESTROOM SECTION 130 5(a) SEPERATION OF ELECTRICAL CIRCUITS SHALL NOT BE REQUIRED WHERE ELECTRICAL SERVICE OR FEEDER IS RATED AT 50 KVA OR LESS PER SECTION 130.5(b). SECTION 130.5(c). SHEET TITLE: ENERGY MANDATORY **MEASURES &** CALGREEN SPEC'S REVISIONS PRE-CHECK (PC) DOCUMENT CODE: 2019 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED APPROVED DIV. OF THE STATE ARCHITECT APP: 04-119218 PC **REVIEWED FOR** SS 🗹 FLS 🗹 ACS 🗹 CG 🗹 DATE: 07/01/2021 PC STATE AGENCY APPROVAL SILVER CREEK INDUSTRIES, INC. SILVER CREEK Building for the Next Generation 2830 BARRETT AVE PERRIS, CALIFORNIA 92571 PHONE: 951-943-5393 FAX: 951-943-2211 RESILIENT FLOORING OR CERAMIC TILE FRP OR CERAMIC TILE WALL FINISH MODULAR BUILDING DESIGN PROFESSIONAL 3 2'-0" SILVER CREEK INDUSTRIES 12' x 40' PC MIN PROJECT NO: PRIMARY EXTERIOR DOOR DRAWN BY: AS NOTED SCALE: DATE: 06-22-2020 PRIMARY EXTERIOR WALL FINISH DIAGRAM P.C. SHEET NUMBER A-0.7 CALGREEN SPECIFICATIONS 2

CALIFORNIA ENERGY CODE - MANDATORY MEASURES • ALL LIGHTING CONTROL DEVICES AND SYSTEMS, BALLASTS, AND LUMINAIRES SHALL MEET THE PROVIDE VACANCY SENSOR OR PARTIAL-ON OCCUPANCY SENSOR IN ALL ROOMS. ALL GENERAL LIGHTING IN PRIMARY SIDELIT DAYLIT ZONES AND SKYLIT DAYLIT ZONES IN ENCLOSED ALL LIGHTING CONTROL DEVICES AND SYSTEMS, BALLASTS, AND LUMINAIRES SHALL MEET THE ALL OUTDOOR LIGHTING SHALL BE OPERATED WITH CONTROLS WHICH AUTOMATICALLY TURNS OFF ELECTRICAL SERVICE METERING SHALL UTILIZE A PERMANENTLY INSTALLED METERING SYSTEM PER • THE VOLTAGE DROP TO THE FARTHEST CONNECTED LOAD OR OUTLET SHALL NOT EXCEED 5% PER CALIFORNIA ENERGY CODE - MANDATORY MEASURES | 1

LOW EMITTING MATERIALS + MOISTURE MANAGEMENT

I. NATURAL OR TEMPORARY MECHANICAL VENTILATION SHALL BE PROVIDED WHEN MATERIALS WHICH EMIT

SEALANTS AND CAULKS ALL ADHESIVES, SEALANTS AND CAULKS APPLIED IN THE PROJECT'S INTERIOR SHALL MEET THE REQUIREMENTS OF THE 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.4.1. PRODUCTS IN THIS CATEGORY INCLUDE BUT ARE NOT LIMITED TO CARPET, RESILIENT AND WOOD FLOORING ADHESIVES; BASE COVE ADHESIVES; CERAMIC TILE ADHESIVES; DRYWALL AND PANEL ADHESIVES; AEROSOL ADHESIVES; ADHESIVE PRIMERS; ACOUSTICAL SEALANTS; FIRE STOP SEALANTS; HVAC DUCT SEALANTS, SEALANT PRIMERS; AND CAULKS.

PAINTS & COATINGS ALL PAINTS AND ARCHITECTURAL COATINGS APPLIED IN THE PROJECT'S INTERIOR SHALL MEET THE REQUIREMENTS OF THE 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.4.3. PRODUCTS IN THIS CATEGORY INCLUDE BUT ARE NOT LIMITED TO SEALERS, STAINS, CLEAR WOOD FINISHES, FLOOR SEALERS AND COATINGS, WATERPROOFING SEALERS, PRIMERS, FLAT PAINTS AND COATINGS, NON-FLAT PAINTS AND COATINGS, AND RUST PREVENTATIVE COATINGS.

RESILIENT FLOORING SYSTEMS ALL FLOORING SYSTEMS SHALL MEET THE REQUIREMENTS OF THE 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5,504,4.6.

ALL OF THE COMPOSITE WOOD PRODUCTS INSTALLED IN THE PROJECT SHALL MEET THE REQUIREMENTS OF THE 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.4.5. COMPOSITE WOOD PRODUCTS IN THIS CATEGORY ARE DEFINED IN THE CALIFORNIA AIR RESOURCES BOARD (CARE) AIRBORNE TOXIC CONTROL MEASUBE (ATCM) TO REDUCE FORMAL DEHYDE EMISSIONS FROM COMPOSITE WOOD PRODUCTS (SECTIONS 93120-93120 12 TITLE 17, CALIFORNIA CODE OF REGULATIONS. THE AFFECTED PRODUCTS INCLUDE HARDWOOD PLYWOOD, PLYWOOD WITH DECORATIVE SOFTWOOD VENEER, LAMINATED PRODUCTS WITH A COMPOSITE WOOD CORE OR PLATFORM, PARTICLEBOARD, MEDIUM DENSITY FIBERBOARD (MDF), AND FINISHED GOODS FABRICATED FROM THESE PRODUCTS.

CEILING & WALL SYSTEMS

ALL CEILING AND WALL SYSTEMS INSTALLED IN THE PROJECT'S INTERIOR TOTALING 90% OR MORE OF THE TOTAL AREAS OF SUCH PRODUCTS SHALL MEET THESE REQUIREMENTS. CEILING AND WALL SYSTEMS INCLUDE BUT ARE NOT LIMITED TO CEILING INSULATION INSTALLED WITHIN THE STRUCTURAL ENVELOP. WALL INSULATION, ACOUSTICAL CEILING PANELS, GYPSUM BOARD WALL PANELS, TACKABLE WALL PANELS, AND WALL COVERINGS. CERAMIC TILE AND OTHER ORGANIC-FREE METAL- OR MINERAL-BASED WALL COVERINGS ARE AVAILABLE FOR CREDIT WITHOUT ANY TESTING REQUIREMENTS. SITE APPLIED ADHESIVES AND SEALANTS AND SITE APPLIED PAINTS AND COATINGS ASSOCIATED WITH CEILING AND WALL SYSTEMS ARE TREATED UNDER OPTIONS 1 AND 2, RESPECTIVELY. CEILING AND WALL SYSTEMS SHALL BE TESTED AND EVALUATED FOR EMISSIONS OF VOCS OF CONCERN WITH RESPECT TO CHRONIC INHALATION EXPOSURES FOULOWING THE SPECIFICATIONS OF THE COPH STANDARD METHOD V1.1. THE SEPARATE COMPONENTS OR DISTINCT LAYERS OF THESE SYSTEMS SHALL BE MODELED TO THE STANDARD PRACTICE SCHOOL CLASSROOM USING THE CLASSROOM CEILING AREA AND/OR WALL AREA AS APPROPRIATE. FOR SYSTEMS CONSISTING OF MORE THAN ONE DISTINCT LAYER (E.G., WALLS COMPRISED OF INSULATION, WALL PANEL AND WALL COVERING), ALL LAYERS SHALL INDIVIDUALLY MEET THE REQUIREMENTS OF THE STANDARD PRACTICE.

ALL CARPET SYSTEMS SHALL MEET THE REQUIREMENTS OF THE 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.4.4. ALL CARPET SHALL BE PER THE CARPET AND RUG INSTITUTE'S GREEN LABEL PLUS PROGRAM OR SHALL BE LISTED IN THE CHPS HIGH PERFORMANCE PRODUCT DATABASE. ALL CARPET PAD SHALL BE PER THE CARPET AND RUG INSTITUTE GREEN LABEL PROGRAM.

PRIMARY EXTERIOR DOORS ALL WALL AND FLOOR SURFACES WITHIN 24" OF A PRIMARY EXTERIOR DOOR SHALL BE NON-ABSORBANT. SEE DETAIL A/- FOR TYPICAL FLOOR AND WALL FINISH DIAGRAM.

ALL PRIMARY EXTERIOR DOORS SHALL BE PROTECTED BY AN OVERHANG, AWNING OR SIMILAR ELEMENT NOT LESS THAN 48" IN DEPTH.

OUTDOOR AIR QUALITY

HVAC, REFRIGERATION AND FIRE SUPPRESSION SYSTEMS SHALL NOT CONTAIN CFCs OR HALONS.





	NOTES		
	 PLACE (2) PERMANENT METAL IDENTIFICATION LABE MODULE. PER IR 16-1.13 (2.1) (1) LABEL AT REAR EXTERIOR AND (1) LABEL ABOVE (LINE AT INTERIOR FRAME. LABELS WILL BE MECHANI FASTENED AND SHOW THE DSA APPLICATION NUMBI MANUFACTURER'S NAME AND SERIAL NUMBER, DESI LOAD FOR ROOF AND FLOOR FRAMING, WIND SPEED EXPOSURE CATEGORY, AND Kzt = 1.0 2019 CBC, DES ZONE, SEISMIC PARAMETER = S_S. 		
	2. IF BUILDING IS TO BE RELOCATED, SEE RELOCATION	SHEETS.	
	3. FOR BUILDINGS THAT ARE MANUFACTURED IN-PLAN INSPECTOR IS TO ATTACH A VERIFIED REPORT INSID BUILDING, WHICH SHALL INDICATE THE MANUFACTUR AND THE SERIAL NUMBER FOR EACH BUILDING MOD	T, THE IN-PLANT DE EACH RER'S NAME ULE AS WELL AS	PROJECT SPECIFIC STATE AGENCY APPROVAL
	 THE DSA FILE AND APPLICATION NUMBES, PER IR 16- 4. ALL FIXTURE HEIGHTS TO BE VERIFIED PRIOR TO CO 	THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVERCREEK INDUSTRIES, INC (SCI Inc) AND SHALL NOT BE REPRODUCED. COPIED OR OTHERWISE	
	5. REQ. LOCATION OF LAV. TO BE 19" MIN. FROM FACE (WHEN ACCESSORIES (PAPER TOWEL DISP., ELECTRI DRYERS, ETC.) HAVING A 4" PROJECTION ARE TO BE AS NOT TO ENCROACH INTO THE 30" x 48" CLEAR SP/	DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT OF SCI Inc. ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCI Inc SHALL BE THE PROPERTY OF SCI Inc	
		SPRECKELS UNION SD	
			(1) 12x40 RESTROOM
			SHEET TITLE:
			FLOOR PLAN
			12' x 40' - MODEL A-1 12' x 40' - MODEL A-2
			REVISIONS
RAPET			2 $\overline{3}$
_ JAL W/ RAPET			
DNO	FINISH:	SHEET #:	PRE-CHECK (PC) DOCUMENT CODE: 2019 CBC
OPE		A-5.50	FOR CONSTRUCTION IS REQUIRED
JAL OPE	 PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS SIDING OVER STEEL STUDS PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS 	A-5.51 A-5.60 A-5.61	APPROVED DIV. OF THE STATE ARCHITECT APP: 04-119218 PC REVIEWED FOR
	FIRE RATED DETAIL SCHEDU	JLE	SS 🗹 FLS 🗹 ACS 🗹 CG 🗹 DATE: <u>07/01/2021</u>
	FIRE PROTECTION:	SHEET #:	PC STATE AGENCY APPROVAL
	 1 HOUR - SIDING OVER WOOD STUDS 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS 	A-5.52 A-5.53	SILVER CREEK INDUSTRIES, INC.
	1 HOUR - SIDING OVER STEEL STUDS 1 HOUR - PLASTER OVER 1/2" OSB OR	A-5.62 A-5.63	
	NOMINAL 4" WALL STUD		Building for the Next Generation
			2830 BARRETT AVE PERRIS, CALIFORNIA 92571 PHONE: 951-943-5393 FAX: 951-943-2211
\$)			
	A WINDOW PER SCHEDULE SHEET A-0.2		
	NOTE:]	
TDOES	2x4 WALL FRAMING NOT ALLOWED WITH PLASTER WITH WALLS OVER 9'-0" IN HEIGHT.	WALL FINISH	
	THIS PLAN MAY INCLUDE THE VARIOUS EXERCISAE APPLICABLE TO THE PC SUCH AS PARTITION WALL ETC. FOR REFERENCE PURPOSES. OPTIONS CAN E AS REQUIRED TO THE PC'S BUILDING SIZES.	BLE OPTIONS S, PLUMBING, BE APPLIED	MODULAR BUILDING DESIGN PROFESSIONAL
ATION			THE PROFESSION AL
			Latter the the
	60" CIRCLE CLEAR SPACE		AVA RUCTURE REAL
	30"x48" CLEAR SPACE		OF CALLENT
	TOILET ACCESSORIES		SILVER CREEK INDUSTRIES 12' x 40' PC
	A SOAP DISPENSER: LIQUID SOAP DISPENSER 4" MAX	PROJECTION	DRAWN BY:
	B PAPER TOWEL DISPENSER/TRASH BIN COMBO: SUF SHALL BE MOUNTED SUCH THAT THE BOTTOM OF T IS NOT MORE THAN 27" AFF. 5" MAX. PROJECTION-C ENCROACH INTO 30"x48" CLEAR SPACE OF FIXTURE	RFACE MOUNTED THE ACCESSORY CANNOT	SCALE: AS NOTED DATE: 06-22-2020 P.C. SHEET NUMBER
	 C TOILET PAPER HOLDER: SINGLE ROLL SEMI-RECES PROJECTION D TOILET SEAT DISPENSER: SURFACE MOUNTED ACCESSORY NOTE: TOIL ET ACCESSORIES (NIC) SEE SHEET P 2001 	SED OR 3" MAX	A-1.01
" = 1'-0" 1	ACCESSIBLE ELEVATION & DIMENSIONS.		



	LEGEND		
TED CEILING LIGHT: 3/A-2/21 10/A-2.21		T-BAR CEILING	
ING LIGHT. 5/A-2.21 16/A-2.21		FIELD INSTALLED PANEL AT MODULE LINE	
5, 10/A-2.21 , 15, 19, 20/A-2.21		2' x 4' RECESSED LIGHT FIXTURE, HATCHING DENOTES EMERGENCY LIGHT FIXTURE (SEE ELECTRICAL PLAN)	
5/A-2.21 ,16/A-2.21 1/4" = 1'-0"		"OPTIONAL" 1' x 4' RECESSED LIGHT FIXTURE SPLAY WIRE	THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVERCREEK INDUSTRIES, INC (SCI Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT OF SCI Inc. ALL PATENTABLE MATERIAL CONTAINED HEREIN AND
	 S H 	CEILING EXHAUST FAN CEILING MOUNTED OCCUPANCY SENSOR CEILING MOUNTED PHOTOCELL CEILING MOUNTED SMOKE DETECTOR ATTIC MOUNTED HEAT DETECTOR	ORIGINATING WITH SCI Inc SHALL BE THE PROPERTY OF SCI Inc PROJECT NAME: SPRECKELS UNION SD SPRECKELS ES (1) 12x40 RESTROOM
	<u>NOTE:</u> FOR ALL REFL SEE SHEET A-	ECTED CEILING NOTES 0.1	SHEET TITLE: REFLECTED CEILING PLAN 12'x40' MODEL A-1 OR A-2
			3 4 5 PRE-CHECK (PC) DOCUMENT
			CODE: 2019 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED
			APPROVED DIV. OF THE STATE ARCHITECT APP: 04-119218 PC REVIEWED FOR SS I FLS I ACS I CG I DATE: 07/01/2021
			PC STATE AGENCY APPROVAL SILVER CREEK INDUSTRIES, INC.
			SILVER CREEK Building for the Next Generation 2830 BARRETT AVE PERRIS, CALIFORNIA 92571 PHONE: 951-943-5393 FAX: 951-943-2211
			MODULAR BUILDING DESIGN PROFESSIONAL
			SILVER CREEK INDUSTRIES 12' x 40' PC PROJECT NO:
	T-BAR SCHEDU	LE	DRAWN BY: SCALE: AS NOTED DATE: 06-22-2020 P.C. SHEET NUMBER
	ARMSTRONG PART NUMBER MAIN RUNNER: 7301 4' CROSS TEE: XL7341 2' CROSS TEE: XL7328	S ICC-ES ESR-1308	A-2.01
E: 1/4" = 1'-0" 1	STANDARD 7/8" WALL ANGLE WALL ANGLE: 7810 (OPTIONA	E WITH BERC-2 CLIP (ICC #ESR-1308) 2" AL)	

SCALE: 1/4" = 1'-0" A ROOF PLAN - 0.018" METAL DECK - MONO SLOPE

NOTES	
1. BUILDINGS SHALL HAVE ROOF COVERINGS AS SPECIFIED IN CBC	
TABLE 1505.1 - CLASS A.	
AS REQUIRED PER CBC-718.4.3 SHALL BE SHOWN ON PROJECT	
3. ALL ROOFTOP EQUIPMENT THAT REQUIRES SERVICE & ROOF	
ROOF EDGES TO OPENING EDGES. OR A GUARDRAIL SHALL BE PROVIDED PER 7/S-2 60	
	PROJECT SPECIFIC STATE AGENCY APPROVAL
	THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE
	SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE
SOLAR ZONE	USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE
	MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN
	ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCI Inc SHALL BE THE PROPERTY OF SCI Inc
	PROJECT NAME:
11'-11"	
	(1) 19-10 DECTRONN
	(1) 12X40 RESTRUCIVI
	SHEET TITLE:
မ်ာ	WUNU UK DUAL SLUPE
ZONE++	
	5
	PRE-CHECK (PC) DOCUMENT CODE: 2019 CBC A SEPARATE PROJECT APPLICATION
	FOR CONSTRUCTION IS REQUIRED
KEYPLAN	
	APP: 04-119218 PC
SOLAR ZONE CALCULATION TABLE	DATE: <u>07/01/2021</u>
SIZE SOLAR ZONE SOLAR ZONE	PC STATE AGENCY APPROVAL
++NOTE: ACTUAL SOLAR ZONE LOCATION	SILVER CREEK INDUSTRIES, INC.
SHALL BE PER THE TABLE ABOVE.	
	CREEN
	2830 BARRETT AVE PERRIS, CALIFORNIA 92571
	PHONE: 951-943-5393 FAX: 951-943-2211
	THE W STARLEY
	See 1275 HA
	A CATHONNE CALL
	OF CALIFORN
	MANAN .
	SILVER CREEK INDUSTRIES 12' x 40' PC
	PROJECT NO: DRAWN BY:
	SCALE: AS NOTED
	DATE: 06-22-2020 P.C. SHEET NUMBER
	A-3.01
SCALE: 1/4" = 1' - 0" 1	

BUILDING SECTION

BUILDING SECTION

NOTES	>
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SHEET #:

A-5.50

A-5.51

A-5.60

A-5.61

SHEET #:

A-5.52

A-5.53

A-5.62

A-5.63

MOISTURE PROTECTION AND CAULKING:

GENERAL: FURNISH AND INSTALL ALL CAULKING AS REQUIRED TO PROVIDE A WEATHERTIGHT BUILDING. MATERIALS: SEALANT SHALL BE AN ACRYLIC LATEX OR SILICONE CAULKING.

APPLICATIONS: AT JOINTS WHERE SHOWN, APPLY SEALANT AS FOLLOWS - JOINTS SHALL BE CLEAN, DRY, AND FREE FROM DUST, WAX, AND FOREIGN MATERIALS, SEALANT SHALL BE APPLIED WITH A GUN IN A STRICT COMPLIANCE WITH MANUFACTURER'S DIRECTIONS. COMPLETELY FILL THE JOINT AND FIRMLY TOOL AGAINST THE BACKING, MAKING A SMOOTH CONVEX BEAD. COLOR: COLOR OF MATERIAL SHALL MATCH THAT OF ADJACENT FINISHED SURFACES.

PROJECT SPECIFIC STATE AGENCY APPROVAL THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVERCREEK INDUSTRIES, INC (SCI Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT OF SCI Inc. ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCI Inc SHALL BE THE PROPERTY OF SCI Inc PROJECT NAME: SPRECKELS UNION SD SPRECKELS ES (1) 12x40 RESTROOM SHEET TITLE: **CROSS SECTION** REVISIONS PRE-CHECK (PC) DOCUMENT CODE: 2019 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED APPROVED DIV. OF THE STATE ARCHITECT APP: 04-119218 PC **REVIEWED FOR** SS 🗹 FLS 🗹 ACS 🗹 CG 🗹 DATE: 07/01/2021 PC STATE AGENCY APPROVAL SILVER CREEK INDUSTRIES, INC. SILVER CREEK Building for the Next Generation 2830 BARRETT AVE PERRIS, CALIFORNIA 92571 PHONE: 951-943-5393 FAX: 951-943-2211 MODULAR BUILDING DESIGN PROFESSIONAL SILVER CREEK INDUSTRIES 12' x 40' PC PROJECT NO: DRAWN BY: SCALE: AS NOTED DATE: 06-22-2020 P.C. SHEET NUMBER A-5.05

SCALE: 1" = 1'-0"

NOT USED	16 NOT USED
NOT USED	17 NOT USED
NOT USED	18 NOT USED ROOF FINISH ROOF HEADER 1 1/2" x 1 1/2" x 0.075" L (SEE STRUCTURAL FOR ATTACHMENT) INSULATION SOFER MATERIAL JO MATCH W/ WALL FINISH #10 STSMS AT 6" OC TYP AT EN AND 12" OC FN SEALANT
NOT USED	19 SOFFIT AT ROOF HEADER WI
NOT USED	20 NOT USED

FOUNDATION PLAN

NOTES

- 1. FOUNDATION PLAN HAS A 1/4" ADDED AT EACH MODULE LINE AND DOES NOT MATCH THE FLOOR PLAN. ADDITIONAL LENGTH ADDED FOR GROWTH THAT IS EXPERIENCED WHEN SETTING MULTIPLE MODULE BUILDINGS.
- 2. 8'-0" MAXIMUM VENT SIZE AT SIDE WALLS
- 4'-0" MAXIMUM VENT SIZE AT END WALLS 3'-0" MINIMUM DISTANCE FROM EDGE OF VENT TO STEMWALL CORNER 2-'0" MINIMUM DISTANCE BETWEEN VENT EDGES
- 3. CRAWLSPACE VAPOR RETARDERS (OPTIONAL):

THE OPTIONAL TOTAL AREA OF VENTILATION OPENINGS IS PERMITTED TO E REDUCED TO 1/1500 FACTOR WITH AN APPROVED VAPOR RETARDER MATER PER CBC SECTION 1202.4.1.2. MATERIALS:

GROUND SURFACE COVERED WITH AN APPROVED VAPOR RETARDER MATE MUST HAVE A PERM RATING OF ONE OR LESS; SHOULD BE CONTINUOUS; POLYETHELYNE FILM (≥ 6 MIL); POOL LINER (PUNCTURE RESISTANT); AND POLYETHELYNE FILM WITH RAT SLAB. INSTALLATION RECOMMENDATIONS:

OVERLAP JOINTS BY 6 INCHES; TAPE OR SEAL ALL JOINTS; EXTEND VAPOR RETARDER A MINIMUM OF 6 INCHES UP THE STEM WALL (MORE IS BETTER); SEAL TO ALL PIERS AND OTHER PENETRATIONS.

- 4. SOIL BEARING PRESSURE OF 1500 PSF USED FOR DESIGN.
- 5. PROFESSIONAL SOILS REPORT: IF A SOILS REPORT IS REQUIRED BY DSA ON THIS BUILDING(S) AND THE RECOMMENDATIONS CAUSE AN INCREASE IN THE COST OF THE ORIGINAL FOUNDATION. THEN THE DISTRIC AGREES TO ACCEPT AND APPROVE A CHANGE ORDER IN THE AMOUNT OF T COST INCREASE.

6. WHERE THE BUILDING OCCURS ON OR ADJACENT TO A SLOPE (GREATER 1 33%) THE SETBACK SHALL COMPLY WITH CBC SECTION 1808.7. THE MINIMU SETBACK AT THE TOP OF THE SLOPE SHALL BE NOT LESS THAN SMALLER 40'-0" OR 1/3 THE HEIGHT OF THE SLOPE. THE MINIMUM SETBACK AT THE BOTTOM OF THE SLOPE SHALL BE NOT LESS THAN THE SMALLER OF 15'-0" THE HEIGHT OF THE SLOPE. THE SETBACK DISTANCES INDICATED HERE MA REDUCED WHEN A SITE SPECIFIC GEOTECHNICAL REPORT IS PROVIDED.

7. A COLD JOINT MAY BE PROVIDED BETWEEN THE FOOTING AND THE VERTICA FOUNDATION WALL. THE JOINT SHALL BE KEYED (2 1/2" WIDE (MIN) x 1 1/2" E AND ALL VERTICAL REINFORCING THAT CROSSES THE JOINT SHALL BE PLA PRIOR TO THE PLACEMENT OF CONCRETE.

(SEE FOOTING SCHEDULE)

(SEE FOOTING SCHEDULE)

LOCATION @ SIDEWALL

	VENTING S	CHEDUL	E			
BE ERIAL; ;; CT THE THAN JOF OR 1/2 AY BE CAL DEEP) ACED	VENTING S	METAL SCREEN " = 1.59 S.F. VENT (3'-0" x 2'-0" META 2'-10" x 18" = 4.25 CALCULA G: 12' x 40' = 480 1 - "C" VENT = 1 - "D" ACCESS SCHEDU SIDEWALL FOOTING 12" WIDE (2) #5 CONT T & B T S S S S S S S S S S S S S	E COVER) ILATION AL SCREEN COVI S.F. VENTILATION TION: D SF / 150 = 3.23 VENT = $\frac{4.25 \text{ SF}}{5.84 \text{ SF}}$ LE ENDWALL FOOTING 17" WIDE (3) #5 CONT T & B	ER) SF VENT. REQ/D TOTAL VENTILATION (> 3.2 SF)	PROJECT SPECIFIC STAT THESE DRAWINGS AND ALL MATER THE PROPERTY OF SILVERCREEK SHALL NOT BE REPRODUCED, COP DISPOSED OF DIRECTLY OR INDIR USED IN WHOLE OR IN PART TO AS FOR THE PURPOSE OF FURNISHM MAKING GO DRAWINGS, PRINTS, AT THEREOF WITHOUT THE FULL KNO CONSENT OF SCI Inc. ALL PATENTABLE MATERIAL CONT. ORIGINATING WITH SCI Inc SHALL E PROJECT NAME: SPREECKELSS SPRECK (1) 12x40 RE SHEET TITLE: CONCI FOUNDATING BELOW GRA WOOD I REVISION A A A A C PRE-CHECK (PC CODE: 20 A SEPARATE PROUL FOR CONSTRUCTION FOR CONSTRUCTION FOR CONSTRUCTION FOR CONSTRUCTION FOR CONSTRUCTION SILVER CREEK IN SILVER CREEK IN SILVER CREEK IN SILVER CREEK IN SILVER CREEK IN SILVER CREEK IN SILVER CREEK IN MODULAR BUILDING DEN MODULAR BUIL	E AGENCY APPROVAL NAL CONTAINED HEREIN ARE INDUSTRIES, INC (SCI Inc) AND YED OR OTHERWISE SCILY AND SHALL NOT BE SIST IN THE MAKING OF OR S ANY INFORMATION FOR THE PARATUS OR PARTS WIEDGE AND WRITTEN ANDE HEREIN AND 3E THE PROPERTY OF SCI Inc UNNION SD STROOM CONS DOCUMENT 19 CBC CT APPLICATION DOCUMENT 19 CBC CT APPLICATION DI DOCUMENT 19 CBC CT APPLICATION DI S REQUIRED APPROVED HE STATE ARCHITECT -119218 PC VIEWED FOR S [] ACS [] CG [] O7/01/2021 CY APPROVAL NDUSTRIES, INC.
)" 1					SILVER CREEK II SILVER CREEK II SILVER CREEK Building for the N 2830 BARRETT AVE PER PHONE: 951-943-5393 MODULAR BUILDING DES MODULAR BUILDING DES SILVER CREEK 12' 440 PROJECT NO: DRAWN BY: SCALE: AS NOTED DATE: 06-22-2020 P.C. SHEET NUMBER F-2.01	NDUSTRIES, INC.

STRUCTURAL SPECIFICATIONS

FOUNDATIONS:

GEOTECHNICAL INVESTIGATIONS SHALL BE CONDUCTED IN ACCORDANCE WITH SECTIONS 1803A.3 THROUGH 1803A.8. EXCEPTIONS, 1) GEOTECHNICAL REPORTS ARE NOT REQUIRED FOR ONE-STORY, WOOD-FRAME AND LIGHT-STEEL-FRAME BUILDINGS OF TYPE II OR TYPE V CONSTRUCTION AND 4,000 SQUARE FEET OR LESS IN FLOOR AREA. NOT LOCATED WITHIN EARTHQUAKE FAULT ZONES OR SEISMIC HAZARD ZONES AS SHOWN IN THE MOST RECENTLY PUBLISHED MAPS FROM THE CALIFORNIA GEOLOGICAL SURVEY (CGS) OR IN SEISMIC HAZARD ZONES AS DEFINED IN THE SAFETY ELEMENT OF THE LOCAL GENERAL PLAN, 2) A PREVIOUS REPORT FOR A SPECIFIC SITE MAY BE RESUBMITTED, PROVIDED THAT A REEVALUATION IS MADE AND THE REPORT IS FOUND TO BE CURRENTLY APPROPRIATE. ALLOWABLE FOUNDATION AND LATERAL SOIL PRESSURE VALUES MAY BE DETERMINED FROM TABLE 1806A.2 PER CBC SECTION 1803A.2

<u>CONCRETE</u>

PROVIDE NECESSARY SHIMS ON FOOTINGS NOT LEVEL WITHIN THE 1/2" ALLOWABLE TOLERANCE. THE DISTRICT SHALL PROVIDE CLEAR AND UNOBSTRUCTED ACCESS TO THE SITE. THE DISTRICT IS RESPONSIBLE FOR ALL SURVEYING, STAKING THE BUILDING CORNERS, SETTING THE FINISH FLOOR ELEVATION, RIGGING, CRANING, EXCAVATION, SPOIL REMOVAL, AND BACKFILL.

THE FOUNDATION AND THE METHOD OF FASTENING THE UNITS SHALL BE AS SHOWN ON DRAWINGS WHERE APPLICABLE. HIGH STRENGTH GROUT SHALL BE EMBECO 885 NON-SHRINK, METALLIC AGGREGATE GROUT OR A DSA APPROVED EQUAL.

THE DESIGN OF CONRETE FOUNDATIONS WILL BE AS FOLLOWS:

- 1. FURNISH AND INSTALL ALL CONCRETE WORK AS SHOWN ON THE DRAWINGS AND AS SPECIFIED. 2. EXCEPT AS MODIFIED BY THE REQUIREMENTS SPECIFIED HEREIN AND / OR THE DETAILS ON THE DRAWINGS, ALL WORK INCLUDED IN THIS SECTION SHALL CONFORM TO THE APPLICABLE PROVISIONS OF
- CODES AND STANDARDS. a) ALL WORK AND MATERIALS SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS,
- AND CHAPTER 19A. b) AMERICAN CONCRETE INSTITUTE (ACI): BUILDING CODE REQUIREMENTS FOR REINFORCED
- CONCRETE, ACI318-11.
- c) SOCIETY FOR TESTING AND MATERIALS (ASTM): THE SPECIFICATIONS AND STANDARDS HEREINAFTER REFERENCED TO SHALL BE OF THE LATEST EDITION.
- 3. CONCRETE FOUNDATION TESTS AND INSPECTIONS SHALL BE THE RESPONSIBILITY OF THE
- ARCHITECT AND OR INSPECTOR.
- 4. DESIGN MIXES SHALL BE AS SPECIFIED IN TITLE 24. CONCRETE STRENGTH AT 28 DAYS SHALL BE AS FOLLOWS: (UNLESS REQUIRED OTHERWISE PER ACI 318-14 TABLE 4.3.1). CONCRETE COMPRESSIVE STRENGTH F'C= 3500 PSI
 - WATER-CEMENT RATIO SHALL NOT EXCEED 0.60 BY WEIGHT PORTLAND CEMENT TYPE I NORMAL WEIGHT
- 5. FORMS SHALL BE SUBSTANTIAL, PLUMB, LEVEL, SQUARE, TRUE TO LINE, WATER TIGHT AND ACCURATE TO THE DIMENSIONS REQUIRED.
- 6. THE ARCHITECT SHALL APPROVE LOCATION OF:
 - a) OPENINGS FOR MECHANICAL AND ELECTRICAL: PROVIDE FOR OPENINGS IN THE CONCRETE WITH THE TRADE(S) INVOLVED AND INSTALL SLEEVES AS MAY BE REQUIRED.
- b) OPENINGS FOR VENT WELLS FOR UNDER FLOOR VENTILATION: PROVIDE FOR ALL OPENINGS IN THE CONCRETE WITH THE TRADE(S) INVOLVED. INSTALL ALL SLEEVES AS MAY BE REQUIRED. 7. VARIANCE IN CONCRETE SLAB SURFACE SHALL BE NO MORE THAN 1/16" IN 10 FEET
- 8. ALL CEMENT SHALL BE TYPE 1 OR 11 PER ASTM C-150. (UNLESS REQUIRED OTHERWISE PER CBC 1802A.2.3 9. WATER CONTENT SHALL NOT EXCEED 7 1/4 GALLONS PER SACK OF CEMENT (UNLESS REQUIRED
- OTHERWISE PER ACI 318-11 TABLE 4.3.1) 10. AGGREGATE SHALL BE 3/4" TO 1 1/2" MAXIMUM SIZE BUT NOT MORE THAN 3/4" OF MINIMUM CLEAR BAR
- SPACING 11. ANCHOR BOLTS, DOWELS, REINFORCING STEEL, AND EMBEDDED ITEMS ARE TO BE SECURELY TIED IN
- PLACE BEFORE CONCRETE IS POURED "WET SETTING" IS NOT ALLOWED. 12. REFER TO ARCHITECTURAL, ELECTRICAL, AND MECHANICAL PLANS FOR SLEEVES, INSERTS CURBS, DEPRESSED AREAS, AND ETC.
- 13. CONCRETE MIX REQUIRED: CONTRACTOR SHALL SUBMIT CONCRETE MIX DESIGN FOR FOOTINGS TO PROFESSIONAL OF RECORD FOR APPROVAL PRIOR TO POURING CONCRETE.

1705A.3.3. WAIVER OF BATCH PLAN INSPECTION.

- A. WHEN BATCH PLANT INSPECTION IS WAIVED, THE FOLLOWING REQUIREMENTS SHALL APPLY:
- 1. QUALIFIED TECHNICIAN OF THE TESTING LABORATORY SHALL CHECK THE FIRST BATCHING AT THE START OF DAY.
- 2. LICENSED WEIGHMASTER TO POSITIVELY IDENTIFY MATERIALS AS TO QUANTITY AND CERTIFY TO EACH LOAD BY A TICKET.
- 3. BATCH TICKETS, INCLUDING ACTUAL MATERIAL QUANTITIES AND WEIGHTS SHALL ACCOMPANY THE LOAD AND SHALL BE TRANSMITTED TO THE INSPECTOR OF RECORD BY A TRUCK DRIVER WITH LOAD IDENTIFIED THEREON. THE LOAD SHALL NOT BE PLACED WITHOUT A BATCH TICKET IDENTIFYING THE MIX. THE INSPECTOR WILL KEEP A DAILY RECORD OF PLACEMENTS, IDENTIFYING EACH TRUCK, IT'S LOAD, TIME OF RECEIPT AND APPROXIMATE LOCATION OF DEPOSIT IN THE STRUCTURE AND WILL TRANSMIT A COPY OF THE DAILY RECORD TO THE ENFORCEMENT AGENCY.

REINFORCING STEEL:

- 1. MATERIAL: ALL REINFORCING STEEL SHALL BE BILLET STEEL PER ASTM A-615 MIN. GRADE 60.
- EXCEPT #3 ANCHOR REINFORCEMENT SHALL BE GRADE 40.
- 2. SPLICES: ALL SPLICES SHALL BE LAPPED A MINIMUM 48" #5 BARS AND 30" #4 BARS UNLESS OTHERWISE DETAILED.
- 3. REINFORCING FABRICATION AND PLACEMENT: FABRICATION AND PLACING OF REINFORCING SHALL CONFORM TO THE "CODE OF STANDARD PRACTICE AND SPECIFICATIONS FOR PLACING REINFORCEMENT OF THE CONCRETE REINFORCING STEEL INSTITUTE".
- 4. MINIMUM COVERAGE: ALL REINFORCING SHALL HAVE THE FOLLOWING MINIMUM COVERAGE WITH CONCRETE:

LOCATION	<u>IOUNT</u>
FORMED EARTH	2"
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3"
WALL-EXPOSED FACE	
#5 OR SMALLER	2"
#6 OR LARGER	2"
WALL-UNEXPOSED FACE	3/4"

STRUCTURAL STEEL:

- 1. ALL STRUCTURAL STEEL OTHER THAN TUBE AND PIPE COLUMNS SHALL CONFORM TO ASTM A-36.
- 2. TUBE COLUMNS SHALL CONFORM TO ASTM A500 GRADE B, OR A1085
- 3. PIPE COLUMNS SHALL CONFORM TO ASTM A501 OR ASTM A53, TYPE E OR S, GRADE B. OR A1085
- 4. TUBE STEEL USED FOR RAMPS & STAIRS SHALL CONFORM TO ASTM A513 GRADE MT1020 OR BETTER

STEEL FRAME BUILDING/STEEL FRAME CONSTRUCTION SHALL MEET THE MINIMUM DESIGN REQUIREMENTS OF STUD SPACING, ETC. PER LATEST EDITION OF 2019 CALIFORNIA BUILDING CODE. ALL WORK AND MATERIALS SHALL CONFORM TO THE "SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS" AND "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES," AMERICAN INSTITUTE OF STEEL CONSTRUCTION: TITLE 24, CCR, AND UNIFORM BUILDING CODE. STRUCTURAL STEEL SHALL BE MADE EITHER THE OPEN-HEARTH OR ELECTRIC FURNACE PROCESS ONLY AND SHALL CONFORM TO THE "SPECIFICATION FOR STRUCTURAL STEEL" ASTM DESIGNATION A36, CURRENT EDITION.

ROOF FRAMING, FLOOR FRAMING, AND WALL FRAMING SHALL BE PER MANUFACTURER'S PC PLANS AND PER APPLICABLE CODES.

ALL STRUCTURAL MEMBERS BELOW THE SUB-FLOOR, IE, GIRDERS, JOISTS, HEADERS, BLOCKING, SHALL BE STEEL. MINIMUM JOIST SPACING SHALL BE PER PLAN.

ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE AISC STANDARD SPECIFICATIONS, THE APPLICABLE REGULATORY AGENCY AND THE AMERICAN IRON AND STEEL INSTITUTE SPECIFICATIONS FOR DESIGN OR LIGHT GAUGE STEEL STRUCTURAL MEMBERS. WELDING: SHALL COMPLY WITH THE PERTINENT PROVISIONS OF THE APPLICABLE REGULATORY AGENCY. ALL WELDING SHALL BE DONE BY OPERATORS WHO ARE QUALIFIED AS PRESCRIBED IN THE "QUALIFICATION PROCEDURE" OF THE AMERICAN WELDING SOCIETY TO PERFORM THE TYPE OF WORK REQUIRED.

STEEL SHALL BE COATED WITH ONE SHOP COAT OF MANUFACTURER'S STANDARD CHASSIS PAINT OR EQUAL.

BOLTS:

ALL COMMON BOLTS AND ANCHOR BOLTS SHALL CONFORM STRUCTURAL WELDING: SPECIAL INSPECTOR REQUIRED

GENERAL: DURING THE WELDING OF ANY MEMBER OR CONN AND FORCES REQUIRED BY THIS CODE.

ALL WELDS USED IN PRIMARY MEMBERS AND CONNECTIONS SHALL BE MADE WITH A FILLER METAL THAT HAS A MINIMUM AT MINUS 20 DEGREES F AS DETERMINED BY AWS CLASSIFIC

ALL STRUCTURAL WELDING SHALL BE BY "ELECTRIC ARC PR AND GAS WELDING IN BUILDING CONSTRUCTION. ALL LIGHT WELDED PER AWS D1.3. ALL REINFORCING STEEL SHALL BE AWS D1.4. OR REINFORCING STEEL SHALL CONFORM TO AST PERFORMED BY "APPROVED" WELDERS IN A SHOP OF A LICE BE PERFORMED BY "APPROVED" WELDERS. ELECTRODES S REBAR AND SHALL BE E60XX FOR LIGHT GAUGE STEEL. * (SI

THE SPECIAL INSPECTOR NEED NOT BE CONTINUOUSLY PRE ITEMS, PROVIDED THE MATERIALS, WELDING PROCEDURES VERIFIED PRIOR TO THE START OF WORK: PERIODIC INSPEC A VISUAL INSPECTION OF ALL WELDS IS MADE PRIOR TO SHI

- a) FLOOR AND ROOF DECK WELDING.
- b) WELDED STUDS WHEN USED FOR STRUCTURAL DIA c) WELDED SHEET STEEL FOR COLD-FRAMED STEEL
- WHICH ARE NOT PART OF AN ORDINARY MOMENT d) SINGLE PASS FILLET WELDS NOT EXCEEDING 5/16".

MATERIAL SHALL BE IDENTIFIED BY MARKING OR STAMPING COMPONENTS BY LICENSED FABRICATION SHOP. ALL BUTT, BEVEL, GROOVE, VEE, U AND J WELDS SHALL BE I

WELDS. FILLER MATERIAL FOR WELDING: SHIELDED METAL-ARC: AWS

HOLES IN STRUCTURAL STEEL SHALL NOT BE PERMITTED UN THE STRUCTURAL DRAWINGS.

STRUCTURAL STEEL SHALL BE THOROUGHLY CLEANED BY S PRIMED.

ALL STEEL WORK, INCLUDING WELD AND CONNECTIONS EXC CONCRETE SHALL BE GIVEN ONE COAT OF ACCEPTABLE ME JOINTS AND OPEN SPACES. * OPTIONAL USE OF: FCAW PROCESS: E71T-8 FOR STRUCTU

E71T-11 FOR METAL COLD-FORMED STEEL FRAMING:

STRUCTURAL LIGHT GAUGE STEEL FRAMING AND ACCESSO WITH ASTM A-1011/A GRADE AS LISTED BELOW, SEE PLAN F MATERIAL THICKNESS 11GA OR LESS: ASTM A-1011/A GRAD MATERIAL THICKNESS 10GA OR GREATER: ASTM A-1011/A G

	-
SHEET STEEL DESIGNATION	l D
	TI
(GAUGE)	(
26	
22	
20	
18	
16	
14	
12	
11	
10	

LIGHT GAUGE STEEL STUDS AND TRACKS SHALL COMPLY W

ALL WELDING SHALL BE IN CONFORMANCE WITH AWS D1.3, QUALIFICATION OF WELDERS SHALL BE IN ACCORDANCE WI QUALIFICATIONS".

BOLTS, SCREWS, ETC. EXPOSED TO THE EXTERIOR SHALL E MACHINE BOLTS USED SHALL CONFORM TO SPECIFICATIONS

(b) CJP GROOVE WELD NDT ULTRASONIC TESTING SHALL BE PERFORMED ON 100 P 5/16 in. (8mm) THICK OR GREATER. ULTRASONIC TESTING IN THICK IS NOT REQUIRED. MAGNETIC PARTICLE TESTING SHA ALL BEAM-TO-COLUMN CJP GROOVE WELDS.

WOOD:

FRAMING: ALL FRAMING LUMBER SHALL BE GRADE MARKED BE OF THE FOLLOWING MINIMUM GRADES OR BETTER, PER V PLATES AND BLOCKING - STANDARD GRADE OR BETTER STUDS AND HEADER = HF #2, OR DF #2, OR BETTER

SHEATHING:

AMERICAN PLYWOOD ASSOCIATION PS 1-07. EACH SHEET SH PLYWOOD ASSOCIATION, AND SHALL CONFORM TO THE REQ BETTER GRADE STAMPED AND IDENTIFIED UNDER THE PROC PS 1-07.

- 1. PLYWOOD SUB FLOOR: 1 1/8" T&G UNBLOCKED PLYWO
- BOTTOM BOARD FOR MOISTURE PROTECTION 2. PLYWOOD ROOF DECK: APA RATED 3/4" T&G OSB OR E
- FROM DSA 3. EXTERIOR WALL SIDING:
- i. STANDARD: 5/8" DURATEMP OR 5/8" SMART PANEL ii. OPTIONAL: 1/2" OSB OR CDX PLYWOOD FOR PLAST
- 4. EXTERIOR WALL SIDING ATTACHMENT: FASTENERS USED FOR THE ATTACHMENT OF EXTERIO GALVANIZED, MECHANICALLY DEPOSITED ZINC-COATE COPPER PER CBC SECTION 2304.10.1.1

TREATED WOOD:

ALL WOOD INCLUDING WOOD SHEATHING IN CONTACT WITH THAN 18" FROM EXPOSED EARTH SHALL BE "PRESERVATIVE"

- MATERIAL PER (CBC SECTION 2304.12.1.2). 1. ALL ROUGH LUMBER SHALL BE DF #2 OR BETTER. 2. WOOD FASTENERS OTHER THAN SCREWS. ALL POWER DRIVEN FASTENERS SHALL BE HILTI FAS
- DRIVEN FASTENERS (ICC# ESR-1799), OR SIMPSON P OR OTHER EQUIVALENT PRODUCTS WITH ICC REPOR
- 3. FASTENERS, INCLUDING NUTS AND WASHERS, IN CO SHALL BE OF HOT-DIPPED ZINC-COATED GALVANIZE COPPER PER CBC 2304.10.5.1

		DESCRIPTIO
TO ASTM A 307	CONTINUOUS INSPECTION:	
	PROJECT INSPECTOR TO PROVIDE CONTINUOUS FIELD INSPECTION.	1. Blocking between ceili to top plate or other fram
NECTION THAT IS DESIGNED TO RESIST LOADS	METALS, STRUCTURAL, AND MISC, STEEL:	
S IN THE LATERAL FORCE-RESISTING SYSTEMS I CHARPY V-NOTCH TOUGHNESS OF 20 FT/LBS CATION OR MANUFACTURER CERTIFICATION.	CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL, AND SERVICES REQUIRED FOR STRUCTURES AND MISCELLANEOUS STEEL AS SPECIFIED AND INDICATED IN THE DRAWINGS.	Blocking between rafters plate, to rafter or truss
ROCESS" PER AWS STANDARD CODE FOR ARC [GAUGE STEEL (SHEET STEEL) SHALL BE E WELDED WITH LOW HYDROGEN RODS PER	STEEL SHEETS: STEEL SHEETS FOR LIGHT GAUGE STEEL SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-1011/A, GRADE 40 U.O.N. SHEET METAL GRAVEL STOPS AND FLASHINGS SHALL BE MINIMUM 0.030 THICKNESS AND SHALL BE GALVANIZED.	 Ceiling joists to top pla Ceiling joist not attach over partitions (no thrust)
TM A-706. ALL SHOP WELDED MUST BE ENSED FABRICATOR. ALL FIELD WELDING SHALL SHALL BE E70XX FOR STRUCTURAL STEEL AND SEE OPTIONAL PROCESS)	ERECTION: ALL STRUCTURAL STEEL SHALL BE ERECTED TRUE, STRAIGHT, PLUMB AND TO ITS DESIGNED LOCATION. TEMPORARY BRACING OR SHORING SHALL BE INSTALLED WHEREVER NECESSARY TO TAKE CARE OF LOADS TO WHICH THE STRUCTURE MAY BE SUBJECTED, INCLUDING ERECTION EQUIPMENT AND THE OPERATION OF SAME CONNECTIONS SHALL BE ADEQUATE TO WITHSTAND STRESSES TO WHICH THEY ARE NORMALLY	Table 2308.7.3.1)4. Ceiling joist attached t(see Section 2308.7.3.1,5. Collar tie to rafter
ESENT DURING WELDING OF THE FOLLOWING AND QUALIFICATION OF WELDERS ARE CTIONS ARE MADE OF WORK IN PROGRESS, AND IPMENT OF SHOP WELDING.	SUBJECTED. CONNECTIONS SHALL BE STEEL, EXCEPT AS OTHERWISE NOTED. FIELD CONNECTIONS SHALL BE BOLTED OR WELDED AS SHOWN ON THE DRAWINGS.	6. Rafter or roof truss to 2308.7.5, Table 2308.7.5 7. Roof rafters to ridge v rafter to 2-inch ridge bea
APHRAGM OR COMPOSITE SYSTEMS. FRAMING MEMBERS SUCH AS STUDS AND JOISTS FRAME.	* EXPOSED STEEL COATED WITH ONE SHOP COAT OF PRIMER. * NON-EXPOSED STEEL COATED WITH ON SHOP COAT OF PRIMER. * ALL SURFACES THOROUGHLY CLEANED BY EFFECTIVE MEANS PRIOR TO APPLICATION OF SHOP COATS.	8. Stud to stud (not at br
	POWER DRIVEN FASTENERS FOR SILL PLATE, WOOD NAILERS TO STEEL COLUMNS, AND SHEET METAL TO STRUCTURAL STEEL:	9. Stud to stud and abutt
PREQUALIFIED COMPLETE PENETRATION	ALL POWER DRIVEN FASTENERS SHALL BE HILTI FASTENERS ICC# ESR-1663, OR RAMSET POWER DRIVEN FASTENERS (ICC# ESR-1799), OR SIMPSON POWER DRIVEN FASTENERS ICC #ESR-2138, OR OTHER EQUIVALENT PRODUCTS WITH ICC REPORTS AND APPROVED BY DSA.	wall corners (at braced v 10. Built-up header (2" to
/S A5.1 OR 15.5 E70XX ELECTRODES.	WOOD ROUGH CARPENTRY:	11. Continuous header to
NLESS SPECIFICALLY DETAILED ON	THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS AND STEPS NECESSARY TO PROTECT ALL COMPLETED, SEMI-COMPLETED, AND TEMPORARY WORK FROM COMMENCEMENT OF PROJECT TO COMPLETE	12. Top plate to top plate
SCRAPING OR WIRE BRUSHING AND SHOP	SEMI-COMPLETED, AND TEMPORARY WORKTROM COMMERCEMENT OF FROSECT TO COMPLETE, SEMI-COMPLETION OF SAME ANY PORTION OF THE WORK DAMAGED OR DISFIGURED SHALL BE SATISFACTORILY REPAIRED OR REPLACED AND THE WORK AS A WHOLE LEFT WITHOUT BLEMISH AT FINAL ACCEPTANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING ALL NECESSARY MEASUREMENTS AT	13. Top plate to top plate
TAL PROTECTION WELL WORKED INTO	THE BUILDING, THE ACCURATE FITTING OF ALL WORK AND PROPER ACCOMMODATION OF OTHER TRADES.	14. Bottom plate to joist, blocking (not at braced w
URAL/REBAR (MEETS ALL CHARPY REQUIREMENTS) DECKING	DESCRIPTION OF WORK: THIS SECTION INCLUDES FURNISHING OF ALL LABOR, MATERIAL, TOOLS, EQUIPMENT, TRANSPORTATION, AND FACILITIES TO COMPLETE ROUGH CARPENTRY AS INDICATED IN THE DRAWINGS AND AS SPECIFIED HEREIN.	15. Bottom plate to joist, blocking at braced wall p
OR MINIMUM YIELD. DE 33 (UNO) GRADE 40	<u>WORKMANSHIP:</u> ALL WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE BEST PRACTICE, SHALL BE ACCURATE AS TO MEASUREMENT AND SHALL BE CAREFULLY DONE. PLYWOOD SHEATHING SUBFLOOR SHALL PROVIDE A SMOOTH UNIFORM SURFACE CAPABLE PROPERLY ACCEPTING A CARPET FINISH.	16. Stud to top or bottom 17. Top plates, laps at co
INIMUM LIVERED		18. 1" brace to each stud
CKNESS NCHES)	3/4" T&G APA RATED SHEATHING - STRUCTURE 1 EXPOSURE 1 SPAN RATING 48/24 MIN. FASTEN TO SHEET METAL SUPPORTS W/ #10 X 1 1/4" LG. SELF DRILLING SELF-TAPPING PHILLIPS FLAT-HEAD	19. 1" × 6" sheathing to e 20. 1" × 8" and wider she
0.029	ZINC COATED TEKS SCREWS AT 4" OC AT BOUNDARIES, 4" OC AT EDGES, AND 6" OC FIELD NAILS. MIN. 3/8" EDGE DISTANCE FOR FASTENERS TO PLYWOOD EDGE PER CBC SECTION 2306.2.	21. Joist to sill, top plate
0.034	<u>FLOOR DIAPHRAGM:</u> 1 1/8" PLYWOOD - STURD-I-FLOOR	22. Rim joist, band joist, or other framing below
0.057 0.071	EXTERIOR - TONGUE AND GROOVE EDGES SPAN RATING: 48"	24. 2" subfloor to joist or 25. 2" planks (plank & be
0.100 0.114	ZINC COATED TEKS SCREWS MIN. 3/8" EDGE DISTANCE FOR FASTENERS TO PLYWOOD EDGE PER CBC SECTION 2306.2.	
0.128 VITH ASTM A-1003 STRUCTURAL GRADE 33 TYPE H		26. Built-up girders and l
"STRUCTURAL WELDING CODE - SHEET STEEL". ITH AWS D1.1, CHAPTER 5, PART C, "WELDER	STRENGTH: 3000 PSI MIN TYPE: I OR II DENSITY: 110 PCE - MAX	
BE GALVANIZED		27. Ledger strip supporti
NS OF ASTM STANDARD A-307.	DIMENSION LUMBER ATTACHMENT TO STEEL FRAMING: 2 X STUDS AT CORNER STEEL COLUMNS (NAILING STUD) USE: #10 - 24 X 2 1/2" LG. SELF-DRILLING SELF-TAPPING PHILLIPS FLAT-HEAD WITH WASHER ZINC COATED TEK SCREWS AT 24" O.C.	29. Bridging or blocking
PERCENT OF CJP GROOVE WELDS IN MATERIALS MATERIALS LESS THAN 5/16 in. (8 mm) ALL BE PERFORMED ON 25 PERCENT OF	REFERENCE STANDARDS NOTES:	
BY AN APPROVED GRADING AGENCY AND SHALL WCLB RULES #16. MOISTURE CONTENT = 19% MAX.	INTENT OF DRAWINGS AND SPECIFICATIONS IS TO CONSTRUCT THE BUILDING IN ACCORDANCE WITH THE STATE OF CALIFORNIA, CALIFORNIA CODE OF REGULATIONS, PART 1, 2, 3, 4, 5, 6, 9, AND 12, SUB-CHAPTER 1. CALIFORNIA BUILDING CODE, 2019 EDITION, MANUAL OF STEEL CONSTRUCTION, (AISC) 14TH EDITION, AMERICAN WELDING SOCIETY, STRUCTURAL WELDING CODE, AWS D1.1, AMERICAN INSTITUTE OF TIMBER CONSTRUCTION STANDARD, (AITC) 109 ARCHITECTURAL SHEET METAL MANUAL, AIA FILE NO. 12-L (SMACNA) LATEST ADOPTED EDITION UNLESS OTHERWISE NOTED.	30. 3/8" — 1/2"
HALL BE GRADE MARKED BY THE AMERICAN	WORKMANSHIP: WORKMANSHIP AND MATERIALS SHALL BE SUCH THAT BUILDING WILL BE WEATHERTIGHT AND WATERTIGHT.	31. 19/32" — 3/4"
CEDURES AND QUALIFICATIONS SET FORTH BY	INSPECTIONS: A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK THE DUTIES OF THE INSPECTOR	32. 7/8" — 11/4" 33. 1/2" fiberboard sheat
EQUIVALENT RATED SHEATHING WITH APPROVAL	CHANGES: CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDA OR A CONSTRUCTION CHANCE DOCUMENT APPROVED BY THE DIVISION OF THE STATE APCHITECT AS REQUIRED	34. 25/32" fiberboard shi 35. 3/4" and less
TER/STUCCO FINISH	BY SECTION 4-338, PART 1, TITLE 24, CCR.	36. 7/8" — 1" 37. 11/8" — 11/4"
DR WALL COVERINGS SHALL BE HOT-DIPPED		38. 1/2" or less
ED, STAINLESS STEEL, SILICON BRONZE OR		39. 5/8"
		40. 1/4" 41. 3/8" Footnotes:
		a. Nails spaced at 6 inch shear walls, refer to Sec
CONCRETE OR MASONRY AND LOCATED LESS		b. Spacing shall be 6 inc (20 inches if strength axi
TREATED" OR SHALL BE "NATURALLY DURABLE"		c. Where a rafter is faste this schedule, the numbe
STENERS ICC# ESR-1663, AND RAMSET POWER		d. RSRS-01 is a Roof St
RTS AND APPROVED BY DSA. DNTACT WITH PRESERVATIVE-TREATED WOOD		
D STEEL, STAINLESS STEEL, SILICON BRONZE OR	NAILING NOTES: 1. ALL NAILS SHALL BE COMMON UNLESS OTHERWISE NOTED	
	2. MACHINE APPLIED 16d FASTENERS SHALL HAVE AN EMBEDMENT OF NOT LESS THAN 1 1/2" INTO THE SECOND MEMBER, AND SHALL BE NOT LESS THAN 3" IN OVERALL LENGTH. THE ABOVE NAILS SHALL ALSO BE	
	ACCEPTABLE FOR HAND NAILING, PROVIDED THE REQUIRED EMBEDMENT IS MAINTAINED.	
	ALL CONNECTIONS AND FASTENERS AS STATED ON THESE DRAWINGS CAN BE SUBSTITUTED BY AN EQUIVALENT PRODUCT WITH ICC REPORTS AND APPROVAL BY DSA.	
	AS REQUIRED PER ANSI / AF&FA NDS-2012, LAG SCREWS MUST BE INSTALLED INTO A PRE-DRILLED PILOT HOLE WITH A STANDARD WASHER AND TURNED WITH A WRENCH, DO NOT DRIVE IN WITH A HAMMER. OVER-TORQUING	

CAN SIGNIFICANTLY REDUCE THE LATERAL RESISTANCE OF THE LAG SCREW AND SHOULD BE AVOIDED.

FASTENIN	G SCHEDULE (2019 CBC TABLE 2304.10.1)				
OF BUILDING ENTS	NUMBER AND TYPE OF FASTENER	SPAC LOC	ING AND CATION		
g joists, rafters or trusses ng below	3-8d common (2 1/2" × 0.131"); or 3-10d box (3" × 0.128"); or 3-3" × 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	Each end, to	enail		
or truss not at the wall top	2-8d common (2 1/2" × 0.131") 2-3" × 0.131" nails 2-3" 14 gage staples 2-16 d common (3 1/2" × 0.162") 3-3" × 0.131" nails 3-3" 14 gage staples	Each end, toenail			
web filler	16d common (3 1/2" × 0.162") @ 6" o.c. 3" × 0.131" nails @ 6" o.c. 3" × 14 gage staples @ 6" o.c	Face nail			
e	3-8d common (2 1/2" × 0.131"); or 3-10d box (3" × 0.128"); or 3-3" × 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	Each joist, to	enail	PROJECT SPECIFIC STA	TE AGENCY APPROVAL
d to parallel rafter, laps (see Section 2308.7.3.1,	3-16d common (3 1/2" × 0.162"); or 4-10d box (3" × 0.128"); or 4-3" × 0.131" nails; or 4-3" 14 gage staples, 7/16" crown	Face nail		THESE DRAWINGS AND ALL MATI THE PROPERTY OF SILVERCREE	ERIAL CONTAINED HEREIN ARE K INDUSTRIES, INC (SCI Inc) AND
able 2308.7.3.1)	Per Table 2308.7.3.1 3-10d common (3" × 0.148"); or 4-10d box (3" × 0.128"); or 4-3" × 0.131" nails; or 4-3" 14 gage staples, 7/16" crown	Face nail Face nail		SHALL NOT BE REPRODUCED, CO DISPOSED OF DIRECTLY OR INDI USED IN WHOLE OR IN PART TO /	DPIED OR OTHERWISE RECTLY AND SHALL NOT BE ASSIST IN THE MAKING OF OR
op plate (See Section	3-10 common (3" × 0.148"); or 3-16d box (3 1/2" × 0.135"); or 4-10d box (3" × 0.128"); or 4-3" × 0.131 nails; or 4-3" 14 gage staples, 7/16" crown 2-16d common (3 1/2" × 0.162"); or 3-10d box (3" × 0.128"); or 3-3" × 0.131"	Toenail ^c		FOR THE PURPOSE OF FURNISHI MAKING OF DRAWINGS, PRINTS, THEREOF WITHOUT THE FULL KN	NG ANY INFORMATION FOR THE APPARATUS OR PARTS IOWLEDGE AND WRITTEN
ley or hip rafters; or roof 1	nails; or 3-3" 14 gage staples, 7/16" crown; or 3-10d common (3" × 0.148"); or 4-16d box (31/2" × 0.135"); or 4-10d box (3" × 0.128"); or 4-3" × 0.131" nails; or 4-3" 14 gage staples, 7/16" crown	Toenail		CONSENT OF SCI Inc. ALL PATENTABLE MATERIAL CON ORIGINATING WITH SCI Inc SHALL	ITAINED HEREIN AND BE THE PROPERTY OF SCI Inc
ced wall panels)	Wall 16d common (3 1/2" × 0.162"); 10d box (3" × 0.128"); or 3" × 0.131" nails; or 3-3" 14 gage staples, 7/16"	24" o.c. face	nail	PROJECT NAME:	
ng studs at intersecting all panels)	Crown 16d common (3 1/2" × 0.162"); or 16d box (3 1/2" × 0.135"); or	16" o.c. face 12" o.c. face	nail nail	SPRECKELS	S UNION SD
)" headar)	3" × 0.131" nails; or 3-3" 14 gage staples, 7/16" crown 16d common (3 1/2" × 0.162"); or	12" o.c. face 16" o.c. each	nail i edge, face nail		
stud	16d box (3 1/2" × 0.135") 4-8d common (2 1/2" × 0.131"); or 4-10d box (3" × 0.128")	12" o.c. each Toenail	i edge, face nail	(1) 12x40 R	ESIROOM
	16d common (3 1/2" × 0.162"); or 10d box (3" × 0.128"): or 3" × 0.131" nails: or 3" 14 gage staples 7/16" crown	16" o.c. face	nail		
at end joints	8-16d common (3 1/2" × 0.162"); or 12-10d box (3" × 0.128"); or 12-3" × 0.131" nails: or 12-3" 14 gage staples. 7/16" crown	12" o.c. face Each side of nail (minimur	nail end joint, face n 24" lap splice	SHEET TITLE:	
m joist, band joist or Ill panels)	16d common (3 1/2" × 0.162"); or 16d box (3 1/2" × 0.135"); or 3" × 0.131" nails; or 3" 14 gage staples, 7/16"	length each s 16" o.c. face	side of end joint) nail	STRUC	CTURAL
m joist, band joist or nels	crown 2-16d common (3 1/2" × 0.162"); or 3-16d box (3 1/2" × 0.135"); or 4-3" × 0.131" nails; or 4-3" 14 gage staples, 7/16" crown	16" o.c. face	nail	SPECIF	CATIONS
plate	4-8d common(2 1/2" × 0.131"); or 4-10d box (3" × 0.128"); or 4-3" × 0.131" nails; or 4-3" 14 gage staples, 7/16" crown; or	Toenail		REVIS	SIONS
nate	2-16d common (3 1/2" × 0.162"); or 3-10d box (3" × 0.128"); or 3-3" × 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	End nail			
ners and intersections	2-16d common (3 1/2" × 0.162"); or 3-10d box (3" × 0.128"); or 3-3" × 0.131" nails; or 3-3" 14 gage staples, 7/16" crown 2-8d common (2 1/2" × 0 131"); or 2-10d box (3" × 0 128"); or 2 3" × 0 121"	Face nail		<u>/2</u> 3	
and plate ach bearing	2 - 30 common (2 1/2 - 0.131), of 2- 100 box (3 - 0.126); of 2-3" × 0.131" nails; or 2-3" 14 gage staples, 7/16" crown 2-8d common (2 1/2" × 0.131"); or 2-10d box (3" × 0.128")	Face nail Face nail		4	
athing to each bearing	3-8d common (2 1/2" × 0.131"); or 3-10d box (3" × 0.128") Floor	Face nail			
or girder	3-8d common (2 1/2" × 0.131"); or floor 3-10d box (3" × 0.128"); or 3-3" × 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	Toenail		PRE-CHECK (P CODE: 2 A SEPARATE PRO	C) DOCUMENT 019 CBC JECT APPLICATION
r blocking to top plate, sill	8d common (2 1/2" × 0.131"); or 10d box (3" × 0.128"); or 3" × 0.131" nails; or 3" 14 gage staples, 7/16" crown 2-8d common (2 1/2" × 0.131"): or 2-10d box (3" × 0.128")	6" o.c., toena	ail	FOR CONSTRUCT	ION IS REQUIRED
irder am — floor & roof)	2-16d common (3 1/2" × 0.162") 2-16d common (3 1/2" × 0.162")	Face nail Each bearing	g, face nail		
	20d common (4" × 0.192")	32" o.c., face bottom stagg	e nail at top and gered on	APP: 0	4-119218 PC
eams, 2" lumber layers	10d box (3" × 0.128"); or 3" × 0.131" nails; or 3" 14 gage staples, 7/16" crown	24" o.c. face	es nail at top and uered on		
	And: 2-20d common (4" × 0.192"); or 3-10d box (3" × 0.128"); or 3-3" ×	opposite side	each splice, face	DATE:	07/01/2021
g joists or rafters	0.131" nails; or 3-3" 14 gage staples, 7/16" crown 3-16d common (3 1/2" × 0.162"); or 4-10d box (3" × 0.128"); or 4-3" × 0.131" nails: or 4-3" 14 gage staples 7/16" crown	nail Each joist or	rafter, face nail	PC STATE AGE	
m joist	3-16d common (3 1/2" × 0.162"); or 4-10d box (3" × 0.128"); or 4-3" × 0.131" nails; or 4-3" 14 gage staples, 7/16" crown	End nail		SILVER CREEK	INDUSTRIES, INC.
joist, rafter or truss	2-8d common (2 1/2" × 0.131"); or 2-10d box (3" × 0.128"); or 2-3" × 0.131" nails; or 2-3" 14 gage staples, 7/16" crown	Each end, to	enail		
structural panels (WSP), su	bfloor, roof and interior wall sheathing to framing and particleboard wall sheathing	e to framing ^a	Intermediate		
		(inches)	supports (inches)		
	6d common or deformed (2" × 0.113") (subfloor and wall) 8d common or deformed (2 1/2" × 0.131") (roof) or RSRS-01 (2 3/8" × 0.113")	6	12 12	SIL	
	2 3/8" × 0.113" nail (subfloor and wall)	6	12	CRE	EK
	8d common (2 1/2" × 0.131"); or 6d deformed (2" × 0.113") (subfloor and wall)	6	12		Next Generation
	8d common or deformed (2 1/2" × 0.131") (roof) or RSRS-01 (2 3/8" × 0.113") nail (roof) ^d	6	12	PHONE: 951-943-53	93 FAX: 951-943-2211
	2 3/8" x 0.113" nail 10d common (3" × 0.148"); or 8d deformed 2 1/2" 0.131")	4 6	8 12		
ing ^b	Other exterior wall sheathing 1 1/2" galvanized roofing nail (7/16" head diameter); or 1 1/4" 16 gage staple with 7/16" or 1" crown	3	6		
athing ^b Wood	1 3/4" galvanized roofing nail (7/16" diameter head); or 1 1/2" 16 gage staple with 7/16" or 1" crown structural panels, combination subfloor underlayment to framing	3	6		
	8d common (2 1/2" × 0.131"); or 6d deformed (2" × 0.113") 8d common (2 1/2" × 0.131"); or 8d deformed (2 1/2" × 0.131")	6	12 12		
	10d common (3" × 0.148"); or 8d deformed (2 1/2" × 0.131") Panel siding to framing	6	12		
	6d corrosion-resistant siding (1 7/8" × 0.106"); or 6d corrosion-resistant casing (2" × 0.099")	6	12		
	8d corrosion-resistant siding (2 3/8" × 0.128"); or 8d corrosion-resistant casing (2 1/2" × 0.113")	6	12		
	4d casing (1 1/2" × 0.080"); or 4d finish (1 1/2" × 0.072") 6d casing (2" x 0.090"); or 6d finish (Papel supports at 24 inches)	6	12	DAMANA PROFI	SSION AL
	ou casing (2 × 0.099), or ou finish (Panel supports at 24 finches)	6	12	ALE SKA	TS I A STA
s at intermediate supports on 2305. Nails for wall shea	where spans are 48 inches or more. For nailing of wood structural panel and par athing are permitted to be common, box or casing.	rticleboard dia	phragms and	A ATT	tfle D
es on center on the edges a in the long direction of the	and 12 inches on center at intermediate supports for nonstructural applications. panel, unless otherwise marked).	Panel support	s at 16 inches	A STRUC	TURAL
ed to an adjacent parallel c of toenails in the rafter sha	eiling joist in accordance with this schedule and the ceiling joist is fastened to th all be permitted to be reduced by one nail.	e top plate in a	accordance with	OF THE	C ALIF VIVIN
aunny rung Snank nail me	eung uie specifications III AS I M F 1007.			SILVER CREE 12' x	K INDUSTRIES 40' PC
				PROJECT NO: DRAWN BY:	
				SCALE: AS NOTED	
				DATE: 06-22-2020 P.C. SHEET NUMBER	
				S-0.1	

L

-/-40

1 1/8" T&G UNBLOCKED
 PLYWOOD FLOOR DECK
 (STAGGERED)
 APA PS-1-07 STURD-I-FLOOR
 W/ 48" OC SPAN RATING.
 (SEE SHEET S0.1 FLOOR
 DIAPHRAGM FOR
 ATTACHMENT)

* NOTE; FLOOR BEAMS MAY VARY, SEE COLUMN SCHEDULE SHEET S-3.01 THRU S-3.04

	1.	FOR FLOOR BLOCKING SEE DET 4,7A / S-1.50 (STD),	AILS			
		4,707 S-1.50 (ALT)				
	∠.	PROVIDE 11/16" DIA. HOLE AT BO	DTTOM FLANGE OF FLOOR BEAM			
		FOR EXACT HOLE LOCATIONS, S	SEE FOUNDATION PLAN.			
	3.	FLOOR SHEATHING SHALL BE PENATURALLY DURABLE IF BOTTO	RESSURE TREATED WOOD OR M OF WOOD IS LESS THAN 18"			
		CLEAR FROM EXPOSED EARTH.				
	4.	HSS COLUMN SCHEDULES ON S	HEETS S-3.01 THRU S-3.04	PROJECT SPECIFIC STATE AGENCY APPROVAL		
			F	THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVERCREEK INDUSTRIES, INC. (SCLIDE) AND		
				SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE		
		50	32"	USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE		
		50	24"	MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN		
		50	16"	CONSENT OF SCI Inc. ALL PATENTABLE MATERIAL CONTAINED HEREIN AND		
				ORIGINATING WITH SCI Inc SHALL BE THE PROPERTY OF SCI Inc		
				PROJECT NAME:		
				SPRECKELS UNION SD		
				SPRECKELS ES		
				(1) 12x40 RESTROOM		
				(,		
			2	SHEET TITLE:		
		PRESSURE TREATED		FLOOR FRAMING PLAN		
		NONT RECOURT INEATED		WOOD FLOOR		
	NOT PRE	T <u>E:</u> ESSURE TREATED SHEATHING SH	HALL ONLY BE PROVIDED WHEN			
	WO THE	OD FOUNDATIONS ARE USED AN FOUNDATION AT A DISTANCE O	D EXPOSED EARTH OCCURS WITHIN F LESS THAN 18" BELOW THE	REVISIONS		
		DERSIDE OF THE FLOOR SHEATH ORMATION.	ING. SEE 16/F-0.50 FOR ADDITIONAL			
				PRE-CHECK (PC) DOCUMENT		
				CODE: 2019 CBC A SEPARATE PROJECT APPLICATION		
				FOR CONSTRUCTION IS REQUIRED		
				APPROVED		
				APP: 04-119218 PC		
				DATE: <u>07/01/2021</u>		
				SILVER CREEK INDUSTRIES, INC.		
				Building for the Next Generation		
				PHONE: 951-943-5393 FAX: 951-943-2211		
				JAN PROFESSIONAL		
				2475 10		
				A Fathor a A		
				AT A RUCTURA A		
				OF CALIFUT		
				SILVER CREEK INDUSTRIES		
				12' x 40' PC		
				DRAWN BY:		
				SCALE: AS NOTED		
				DATE: 06-22-2020 P.C. SHEET NUMBER		
				S-1_01		
0" 1						

40	
16	
17	
18	
19	
	BACK UP PLATE MIN. 1/4"
	(TACK WELD IN PLACE)
	COMPLETE PENETRATION AT WFR
20	FLOOK BEAM SPLICE

BLKG. PER 17/S-2.60

— 3/4" T&G OSB EXPOSURE 1 BLOCKED PLYWOOD SHEATHING (P1.1 48/24 MIN), TYP AT ALL MODULES (SEE SHEET S-0.1 ROOF DIAPHRAGM FOR ATTACHMEI SEE 17/S-2.60 FOR DIAPHRAG DETAIL)

	NOTES	
	 OPTIONAL PURLIN FOR FIRE SPRINKLER LINE AS NEEDED. LOCATION OF FIRE SPRINKLER PURLIN TO BE DETERMINED BY SITE STIFFENER PLATE OR ANGLE BRACE REQUIRED AT THIS LOCATION. FOR FIRE SPRINKLER LINE SIDE BEAM PENETRATION, SEE 14 / S2.50 OR 14 / S2.51 DETAILS 	
		PROJECT SPECIFIC STATE AGENCY APPROVAL
		THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVERCREEK INDUSTRIES, INC (SCI Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT OF SCI Inc. ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCI Inc SHALL BE THE PROPERTY OF SCI Inc
		PROJECT NAME: SPRECKELS UNION SD SPRECKELS ES (1) 12x40 RESTROOM
		SHEET TITLE:
		ROOF FRAMING PLAN MONO SLOPE
		<u>4</u> <u>5</u>
		PRE-CHECK (PC) DOCUMENT CODE: 2019 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED
		APPROVED DIV. OF THE STATE ARCHITECT APP: 04-119218 PC REVIEWED FOR SS I FLS I ACS I CG I DATE: 07/01/2021
		PC STATE AGENCY APPROVAL SILVER CREEK INDUSTRIES, INC.
I), IENT, AGM		SILVER SILVER CREEK Building for the Next Generation 2830 BARRETT AVE PERRIS, CALIFORNIA 92571 PHONE: 951-943-5393 FAX: 951-943-2211
		MODULAR BUILDING DESIGN PROFESSIONAL
		PROFESSION W STAP SUPER SHIN W
		SILVER CREEK INDUSTRIES 12' x 40' PC PROJECT NO:
		DRAWN BY: SCALE: AS NOTED
		DATE: 06-22-2020 P.C. SHEET NUMBER
		S-2.01
/4" = 1'-0" 1		

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	NOTES			
	1. ALL INFORM MATERIAL AT SHEETS WIT	ATION SUCH AS DETAILS, SECTIC TTACHMENT SHALL BE REFEREN HIN THIS SET WHERE IT APPLIES		
-				
				PROJECT SPECIFIC STATE AGENCY APPROVAL
	FLOOR (WOOD FLOO CONCRETE	CONSTRUCTION or floor	THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVERCREEK INDUSTRIES, INC (SCI Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT OF SCI Inc. ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCI Inc SHALL BE THE PROPERTY OF SCI Inc	
			PROJECT NAME: SPRECKELS UNION SD SPRECKELS ES	
				(1) 12X40 RESTROOM
				SHEET HILE.
				BUILDING SECTIONS MONO SLOPE
			_	
	HSS CO		=	
				CODE: 2019 CBC A SEPARATE PROJECT APPLICATION
	9'-6"	$\square 6 \times 6 \times 3/8$	□ 6 x 6 x 5/8	FOR CONSTRUCTION IS REQUIRED
	10'-0"	6 x 6 x 3/8	6 x 6 x 5/8	APPROVED DIV. OF THE STATE ARCHITECT
	⊥ 10'-6" ★ REQUIRES M	IINIMUM C8x13.7 FLOOR BEAM @	WOOD FLOOR	AFF. 04-119218 FC REVIEWED FOR SS I FLS ACS CG I DTE: 07/01/2021 PC STATE AGENCY APPROVAL SILVER CREEK INDUSTRIES, INC. SILVER CREEK INDUSTRIES, INC.
				MODULAR BUILDING DESIGN PROFESSIONAL
				DRAWN BY: SCALE: AS NOTED DATE: 06-22-2020 P.C. SHEET NUMBER S-3.01
۷\				

TYPICAL SIDE WALL

FIRE EXTINGUISHER CABINET BLOCKOUT

TYPICAL END WALL

NOTES	
	1 1
	PROJECT SPECIFIC STATE AGENCY APPPOVAL
	THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE
	THE PROPERTY OF SILVERCREEK INDUSTRIES, INC (SCI Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE
	USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE
	THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT OF SCI Inc.
	ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCI Inc SHALL BE THE PROPERTY OF SCI Inc
WALL HEIGHT SCHEDULE	PROJECT NAME:
COLUMN HEIGHT 9'-0" 9'-6" 10'-0" 10'-6"	SPRECKELS UNION SD
CONCRETE FLOOR 8'-11 7/8" 9'-5 7/8" 9'-11 7/8" 10'-5 7/8"	SPRECKELS ES
WOOD FLOOR 8'-10 3/4" 9'-4 3/4" 9'-10 3/4" 10'-4 3/4"	(1) 12x40 RESTROOM
	SHEET HILE:
	FRAMING ELEVATIONS
	WOOD STUDS
	<u>/2</u> <u>3</u>
	PRE-CHECK (PC) DOCUMENT
	A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED
	APPROVED
	DIV. OF THE STATE ARCHITECT
	DATE: 07/01/2021
	PC STATE AGENCY APPROVAL
	SILVER CREEK INDUSTRIES, INC.
	SILVER
	CREEK
	Building for the Next Generation
	2830 BARRETT AVE PERRIS, CALIFORNIA 92571 PHONE: 951-943-5393 FAX: 951-943-2211
	MODULAN DUILDING DLOIGIN FROFESSIONAL
	THE PROFESSION AT THE
	A A A A A A A A A A A A A A A A A A A
	AT S RUCTURE 2
	OF CALLEDTA
	SILVER CREEK INDUSTRIES
	12' x 40' PC PROJECT NO:
	DRAWN BY: SCALE: AS NOTED
	DATE: 06-22-2020
	P.C. SHEET NUMBER
	$ S_{-5}00 $
1	

														PROJECT SPECIFIC STATE AGENCY APPROVAL
														THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVERCREEK INDUSTRIES, INC (SCI Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE
														DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE
													1	MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT OF SCI Inc.
														ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCI Inc SHALL BE THE PROPERTY OF SCI Inc
														PROJECT NAME:
														SPRECKELS UNION SD
														SPRECKELS ES
														(1) 12X40 RESTRUCIVI
														SHEET TITLE:
														WALL FRAMING
														DETAILS
													1	
)FR			011			FIIII	HEIGH			$\frac{\cancel{2}}{\cancel{3}}$
IG	EXT FINISH	NUMBER	SIZE		TYPE	NUMBER	SIZE	- LUMBEF				LUMBER		<u>4</u> <u>5</u>
N		(1)	2X4	HF	#2		N/A			(2)	2X4	HF	#2	PRE-CHECK (PC) DOCUMENT CODE: 2019 CBC
N	IO PLASTER (OPT) PLASTER	(1)	2X4 2X4	DF	#2 #2		N/A N/A			(2)	2X4 2X4	DF	#2	FOR CONSTRUCTION IS REQUIRED
IG	EXT FINISH	NUMBER	HEAD SIZE		TYPE	NUMBER	SILI	- LUMBEF						APPROVED DIV. OF THE STATE ARCHITECT
N		(1)	2X4	HF	#2		N/A			(2)	2X4	HF	#2	APP: 04-119218 PC
N	IO PLASTER (OPT)	(1)	284	DF	#2		N/A			(2)	2X4		#2	SS 🗹 FLS 🗹 ACS 🗹 CG 🗹 DATE: 07/01/2021
														PC STATE AGENCY APPROVAL
e: Ning:	S LARGER	THAN	3'x7'	ARE	E NO	T PEF	RMIT	TED	IN 2	2x4				SILVER CREEK INDUSTRIES, INC.
_S W	ITH PLASTI	ER FIN	IISH.											
														SILVER
														CREEK
														Building for the Next Generation 2830 BARRETT AVE PERRIS, CALIFORNIA 92571
														PHONE: 951-943-5393 FAX: 951-943-2211
														MODULAR BUILDING DESIGN PROFESSIONAL
NIN	G STUD	S SC	HE	DU	LE								4	PROFESSION 4
(T ISH		WOOD WA	LL FRA	MING			4'		ER OF	WOOD V (ZONE 5)	VALL FR) 	JEEN W STAPLE
STER	(1)	SIZE 2X4	LUMBEF	R TYPE	E O	ю " ОС	NUMBE	R	SIZE 2X4	LUMBE	R TYP	E 0	DC 5" OC	Here to the the
TER (OPT)) (1) (1)	2X4 2X4	DF DF	#2	16	" OC " OC	(1)		2X4 2X4	DF DF	#2	16	6" OC	OF CALLENT
STER	(1)	2X4	HF	#2	16	" OC	(1)		2X4	HF	#2	12	2" OC	
TER (OPT)) (1)	2X4	DF	#2	16	" OC	(1)		2X4	DF	#2	16	6" OC	SILVER CREEK INDUSTRIES 12' x 40' PC PROJECT NO
														DRAWN BY:
_L FR	AMING NO		RMIT	TED	FOR	STU	cco	FIN	SH \	NALL	S OV	'ER		SCALE:AS NOTEDDATE:06-22-2020
		RAMIN	G IS	ONL	Y PE	ERMI	TED	AT	UNC	COND	ITION	NED		P.C. SHEET NUMBER
ERIO	R WALLS S	SHALL	BE ⊦	IF #2	(OR	BET	TER)	AN	⊃ S⊦	IALL E	BE SF	PACI	ED	S-5 10
				ון)	E								5	
			. – ບ											

	BOOFING						
ROOFING							
ROOF PURLIN							
L 3 x 3 x 0.105" W / (2) #12 STSMS							
TO EA PURLIN.							
	SIM						
2 x STUDS 2 x TOP PLATE							
2 x STUD	S @ 16" O.C 2 x T						
CEILING LINE	· · · · · · · · · · · · · · · · · · ·						
INTERIOR PARTITION SCALE : 3" = 1'-0" 14 INTER	RIOR PARTITION						
EXT HEADER SILL FULL HEIGHT KING STUD	EXT HEADER						
COLUMN HEIGHT OPENING SIZE FINISH NUMBER SIZE LUMBER TYPE NUMBER SIZE LUMBER SIZE LUMBER SIZE LUMBER SIZE LUMB	NING TINISH NUMBER SIZE LUMBER TYL						
3070 ANY (OPT) (1) 2X6 DF #2 N/A (1) 2X6 DF #2 ANY (OPT) (1) 2X6 DF #2 N/A (1) 2X6 DF #2 ANY (1) 2X6 HF #2 N/A (1) 2X6 HF #2	NO PLASTER (OPT) (1) 2X8 DF #2 NO PLASTER (OPT) (1) 2X8 DF #2						
4070 ANY (OPT) (1) 2X6 DF #2 N/A (1) 2X6 DF #2 UP TO 10'-6" ANY (OPT) (1) 2X6 HF #2 (1) 2X6 HF #2 UP TO 10'-6" 40	NO PLASTER (OPT) (1) 2X8 DF #2 NO PLASTER (1) 2X8 HF #2						
6040 ANY (OPT) (1) 2X6 DF #2 (1) 2X6 DF #2 (2) 2X6 DF #2 60 ANY (1) 2X6 HF #2 (1) 2X6 HF #2 (2) 2X6 DF #2 60	040 NO PLASTER (OPT) (1) 2X8 DF #2 NO PLASTER (1) 2X8 HF #2						
8040 ANY (OPT) (1) 2X6 DF #2 (1) 2X6 DF #2 (2) 2X6 DF #2 80	NO PLASTER (OPT) (1) 2X8 DF #2						
2x6 OPENING STUDS SCHEDULE 19 2x8 OPE	ENING STUDS SCHEDULE						
EXT FINISH WOOD WALL FRAMING 4' CORNER OF WOOD WALL FRAMING (ZONE 5) F	EXT FINISH						
NUMBER NUMBER SIZE LUMBER TYPE OC NUMBER SIZE LUMBER TYPE OC NUMBER SIZE LUMBER TYPE OC HEIGHT NO PLASTER (1) 2X6 HF #2 16" OC (1) 2X6 HF #2 16" OC NO F	NUMBER SIZE LUMBER TYPE PLASTER (1) 2X8 HF #2						
UP TO 10'-6" NO PLASTER (OPT) (1) 2X6 DF #2 16" OC (1) 2X6 DF #2 16" OC NO PLASTER UP TO UP TO	LASTER (OPT) (1) 2X8 DF #2 VLASTER (1) 2X8 HF #2						
W/ PLASTER (OPT) (1) 2X6 DF #2 16" OC (1) 2X6 DF #2 16" OC	ASTER (OPT) (1) 2X8 DF #2						
NOTE:							
1. INTERIOR WALLS MAY BE 2x6 HF #2 (OR BETTER) SPACED AT NOT MORE THAN 24" OC. 1. 2.	EXTERIOR STUD SPACING SHOWN IN THE TABLE ABOV BETTER) MAY BE SPACED AT NOT MORE THAN 24" OC. INTERIOR WALLS MAY BE 2x6 HF #2 (OR BETTER) SPAC						

								<u></u>						
SYM	BOL	ABB.		DESCRIPTIC	N						RO	OF SYSTEM		
		SAD	SUPPL	Y AIR DUCT										
		RAD	RETUR	RN AIR DUCT										
		EAD	EXHAU	JST AIR DUCT					(1) (FACH SIDE OF —				
(L) LINED DUCTWORK														
CD SUPPLY CEILING DIFFUSER							FASTEN W/ #8 STSMS TO UNIT AND STRUCTURAL ABOVE							
		CR	RETUR	RN CEILING R	EGISTER									
C				2'-0" CROSS BAR ATTACH TO FAN UNIT W/ 2-#8 STSMS										
	MVD MANUAL VOLUME DAMPER									ACC	OUSTICAL			
$ \longrightarrow UC > UC UNDERCUT DOOR$						EXHAUST FAN -								
		STAT	THERM	MOSTAT										
B	D	BT	BYPAS	SS TIMER		EXHAUST FAN INSTALLATION							STALLATION	
		P.O.C	POINT	OF CONNEC	TION									
	CE	LING	MOUI	NTED E	EXHAUS	ST FAN	SCH	EDU	ILE					
						CFM	SONES	SP	ELECTRI		ICAL			
SYM.	LOCATION	N SEI	RVICE	MANUF.	MODEL				VOLTS	ø	POWER	WGT.	REMARKS	
EF 1	CEILING	TOILET	EXHAUST	BROAN *	676	100	4.0	0.25	120	1	156 WATTS	7 LBS.	WITH BROAN ROOF CAP #636 EXHAUST DUCT UP TO ROOF WITH LIGHT SWITCH.	
EF 2	CEILING	TOILET	EXHAUST	BROAN	L100	109	1.0	0.25	120	1	87 WATTS	22.80 LBS.	WITH BROAN ROOF CAP #634 EXHAUST DUCT UP TO ROOF WITH LIGHT SWITCH.	
EF 3	CEILING	TOILET	EXHAUST	BROAN	L200	210	2.0	0.25	120	1	127 WATTS	23.0 LBS.	WITH BROAN ROOF CAP #634 EXHAUST DUCT UP TO ROOF WITH LIGHT SWITCH.	
EF 4	CEILING	TOILET	EXHAUST	BROAN	L300	308	2.8	0.25	120	1	212 WATTS	23.10 LBS.	WITH BROAN ROOF CAP #634 EXHAUST DUCT UP TO ROOF WITH LIGHT SWITCH.	
*	OR APPRO	VED EQUA												

. PROVIDE 4" DIA. . INTERLOCK

. PROVIDE 6" DIA. . INTERLOCK

. PROVIDE 8" DIA. . INTERLOCK

. PROVIDE 8" DIA. . INTERLOCK

GENERAL NOTES

ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTER 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS. TEMPORARY OR MOVABLE EQUIPMENT THAT IS

- 2 PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
- MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE 3 FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.

- A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
- B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.8, 13.6.7, 13.6.5.6 AND 2019 CBC SECTIONS 1616A.1.23, 1616A.1.24, 1616A.1.25 AND 1616A.1.26.

THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAILED ON THE APPROVED DRAWINGS OR THEY SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVALS (OPA #).

COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF HANGING AN BRACING OF THE PIPE, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS.

THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

