

ARROWHEAD REGIONAL MEDICAL CENTER CHAIN LINK FENCE ENCLOSURE

PROJECT TEAM

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STRUCTURAL:

PROJECT SCOPE

PROJECT SCOPE:

ADDING A STRUCTURAL FENCE TO THE EXTERIOR BALCONY OF THE BEHAVIOR HEALTH SECOND FLOOR.

PROJECT LOCATION: SECOND FLOOR, MENTAL HEALTH BUILDING, EXTERIOR

PROJECT SQUARE FOOTAGE: 1,680 SQ. FT.

PROJECT DATA

BUILDING ADDRESS:	400 N. PEPPER AVENUE COLTON, CALIFORNIA 92324
BUILDING OWNER:	ARROWHEAD REGIONAL MEDICAL CENTER
BUILDING USE:	ACUTE PSYCHIATRIC HOSPITAL
DCCUPANCY TYPE:	I-2 - INSTITUTIONAL GROUP
CONSTRUCTION TYPE:	1-A
AUTOMATIC SPRINKLERS:	PROVIDED THROUGHOUT
STORIES:	3 STORIES
OSHPD FACILITY NUMBER:	17282
SHPD BUILDING NUMBER:	BLD-0074, D&T, BLDG 04
SPC RATING:	SPC 5
NPC RATING:	NPC 4

APPLICABLE CODES

2019 California Administrative Code (CAC) Part 1, Title 24, California Code of Regulations (CCR)

2019 California Building Code (CBC) Part 2, Title 24, CCR Based on the 2018 International Building Code (IBC)

2019 California Electrical Code (CEC) Part 3, Title 24, CCR Based on the 2017 National Electrical Code (NEC)

2019 California Mechanical Code (CMC) Part 4, Title 24, CCR Based on the 2018 Uniform Mechanical Code (UMC)

2019 California Plumbing Code (CPC) Part 5, Title 24, CCR Based on the 2018 Uniform Plumbing Code (UPC)

2019 California Energy Code (CEC) Part 6, Title 24, CCR

2019 California Fire Code (CFC) Part 9, Title 24, CCR Based on the 2018 International Fire Code (IFC)

NFPA 101, 2018 Edition, Fire Life Safety

2019 California Green Building Standards Code (CALGreen) Part 11, Title 24, CCR

2019 California Referenced Standards Code (CRSC) Part 12, Title 24, CCR

DEFERRED APPROVAL ITEMS

INSTALLATION OF:

NO DEFERRED APPROVALS ON THIS PROJECT.

SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS HAVE BEEN APPROVED BY THE OFFICE OF STATEWIDE HEALTH AND PLANNING DEPARTMENT. THE DRAWINGS AND SPECIFICATIONS OF THE DEFERRED APPROVAL ITEMS MUST

BE SUBMITTED TO THE ARCHITECT OR STRUCTURAL ENGINEER OF RECORD FOR REVIEW AND APPROVAL WITH STAMP AND SIGNATURE BEFORE SUBMITTAL TO THE OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT.

CONSTRUCTION OF DEFERRED APPROVAL ITEMS BEFORE DRAWINGS AND SPECIFICATIONS HAVE BEEN APPROVED BY THE OFFICE OF STATEWIDE HEALTH AND PLANNING AND DEVELOPMENT IS DEEMED NON-CONFORMING AND WILL RESULT IN WITHHOLDING OF APPROVAL OF THE ENTIRE PROJECT.

LIST OF DRAWINGS

GENERAL TITLE SHEET G001

G002	OSHPD AND TIO NOTES
3003	SHEET SPECIFICATIONS
ARCHITE	CTURAL
4111	FIRST FLOOR FIRE & LIFE SAFETY / ACCESSIBILITY PLAN
121	SECOND FLOOR FIRE & LIFE SAFETY / ACCESSIBILITY PLAN
\130	FLOOR PLAN

EXTERIOR ELEVATIONS

EXTERIOR ELEVATIONS

SECTIONS AND DETAILS

STRUCTURA

A131

A201

A202

A501

S5

RUCTURAL		
01	GENERAL NOTES	
01	PLANS & DETAILS	
01	DETAILS	

ROOF PLAN



ARCHITECT

PROJECT

NO. DATE

PROFESSIONAL SEALS



AGENCY APPROVAL

SHEET 7

SHEET NUMBER

THE TYPE OF APPROVAL TO BE ISSUED BY THE OFFICE OF STATEWIDE HEALTH AND PLANNING DEPARTMENT FOR THIS PROJECT IS:

NON-STRUCTURAL ALTERATION

S202245-36-00

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Savely Healthcare Architects ARCHITECTURE + PLANNING + DESIGN

18008 Sky Park Circle, Suite 290 Irvine, CA 92614 (949) 431-0071

ARROWHEAD REGIONAL MEDICAL CENTER 400 N. PEPPER AVE. **COLTON, CA 92324**

CHAIN LINK FENCE ENCLOSURE-**BEHAVIORAL HEALTH**

REVISIONS



DRAWN BY	CHECKED BY	DATE
FM	GL	11.30.2020
PROJECT NU	MBER	
SHA # 19	9327.000	
OSHPD # S	202245-36-00	
SHEET TITLE		

TITLE SHEET



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OSHPD NOTES

BE SUBMITTED TO AND APPROVED BY OSHPD BEFORE PROCEEDING WITH THE WORK.

REFERENCE: 2019 CAC SECTION 7-109 AND 2019 CBC SECTIONS 107 AND 116.

REFERENCE: 2019 CBC SECTIONS 107 AND 1617A.

THE PURPOSES OF SUPPORTS, ATTACHMENT AND BRACING. REFERENCE: 2019 CBC SECTIONS 108, 1617A.1.18 AND CAN 2-108.

3. PRE-APPROVED PIPES, DUCTS AND CONDUITS SEISMIC BRACING

PRE-APPROVAL AND THE DESIGN OF THE PROJECT.

STRUCTURAL ENGINEER.

DOCUMENT (ACD).

1. THE INTENT OF THE CONSTRUCTION DOCUMENTS IS TO RECONSTRUCT THE HOSPITAL BUILDING IN

ACCORDANCE WITH THE 2019 CBSC. SHOULD ANY CONDITION DEVELOP NOT COVERED BY THE APPROVED

CONSTRUCTION DOCUMENTS, WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH THE 2019 CBSC, AMENDED CONSTRUCTION DOCUMENTS (ACD'S) DETAILING AND SPECIFYING THE REQUIRED WORK SHALL

2. SUPPORTS AND ATTACHMENTS OF ALL EQUIPMENT TO BE INSTALLED AS A PART OF THIS PROJECT SHALL BE DETAILED ON CONSTRUCTION DOCUMENTS, EXCEPT THOSE EXEMPT BY THE 2019 CBC SECTION 1617A.1.18. EQUIPMENT SUPPORTS AND ATTACHMENTS SHALL BE APPROVED BY THE APPROPRIATE

DESIGN PROFESSIONAL OF RECORD (RDP) AND OSHPD AS A PART OF THE FIELD REVIEWS/OBSERVATIONS. THE INSPECTOR OF RECORD (IOR) SHALL ASSURE THAT THE ABOVE REQUIREMENTS ARE ENFORCED.

TEMPORARY AND MOVABLE (MOBILE) COMPONENTS AND EQUIPMENT MAY BE EXEMPT FROM SUPPORTS AND ATTACHMENTS CONSTRUCTION DOCUMENTS REVIEW BY OSHPD IN ACCORDANCE WITH THE CBC 1617A.1.18. WHERE COMPONENTS ARE IDENTIFIED AS "TEMPORARY", THE DRAWINGS SHOULD INDICATE

THE EXPECTED DURATION OF USE AND INTENDED PERMANENT REPLACEMENT COMPONENT. EQUIPMENT MAY BE CONSIDERED "MOVABLE" IF DURING NORMAL USE OF THE COMPONENT, IT IS MOVED FROM ONE LOCATION TO ANOTHER. COMPONENTS MOUNTED ON WHEELS TO FACILITATE PERIODIC MAINTENANCE OR

CLEANING BUT WHICH OTHERWISE REMAIN IN THE SAME LOCATION ARE NOT CONSIDERED MOVABLE FOR

A. LAYOUT DRAWINGS OF THE SUPPORTS, ATTACHMENTS AND BRACING SYSTEMS IN ACCORDANCE WITH

SATISFY THE REQUIREMENTS OF ASCE 7 SECTION 13.6 AS MODIFIED BY THE CBC 2019 SECTION 1617A.

a) THE STRUCTURAL ENGINEER OF RECORD (SEOR) SHALL VERIFY THAT THE SUPPORTING

b) THE SEOR SHALL FORWARD THE SUPPORTS, ATTACHMENTS, AND BRACING DRAWINGS

STRUCTURE IS ADEQUATE FOR THE FORCES IMPOSED ON IT BY THE SUPPORTS, ATTACHMENTS,

AND BRACES INSTALLED IN ACCORDANCE WITH THE PRE-APPROVAL IN ADDITION TO ALL LOADS.

(INCLUDING APPROVED AMENDED CONSTRUCTION DOCUMENTS FOR SUPPLEMENTARY FRAMING

WHERE REQUIRED) TO THE DISCIPLINE IN RESPONSIBLE CHARGE WITH A NOTATION INDICATING THAT THE DRAWINGS HAVE BEEN REVIEWED AND ARE IN GENERAL CONFORMANCE WITH THE

c) A "SHOP DRAWING STAMP" MAY BE USED TO INDICATE COMPLIANCE WITH THIS REQUIREMENT d) THE REGISTERED DESIGN PROFESSIONAL (RDP), OTHER THAN SEOR, MAY PROVIDE THE SHOP

DRAWING STAMP FOR SMALL PROJECTS AT THE DISCRETION OF THE OSHPD DISTRICT

B. THE SEOR SHALL DESIGN ANY SUPPLEMENTARY FRAMING THAT IS NEEDED TO RESIST THE LOADS, MAINTAIN STABILITY AND/OR IS REQUIRED FOR INSTALLATION OF PRE-APPROVED SYSTEM. THE

SUPPLEMENTARY FRAMING SHALL BE SUBMITTED TO OSHPD AS AN AMENDED CONSTRUCTION

C. THE LAYOUT DRAWINGS (WITH THE AOR/SEOR SHOP DRAWING STAMP) SHALL BE SUBMITTED TO THE

THE PRE-APPROVAL SHALL BE SUBMITTED TO THE REGISTERED DESIGN PROFESSIONAL (RDP) IN RESPONSIBLE CHARGE OF THE PROJECT FOR REVIEW TO VERIFY THAT THE DETAILS ARE IN CONFORMANCE WITH THE CODE REQUIREMENTS. THE LAYOUT DRAWINGS SHALL AS A MINIMUM



ARCHITECT



PROJECT **ARROWHEAD REGIONAL MEDICAL CENTER** 400 N. PEPPER AVE. **COLTON, CA 92324**

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OSHPD TO REVIEW:		
1) STRUCTURE SUPPORTING TH	HE DISTRIBUTION SYSTEM HAS ADEQUATE CAPACITY.	

- 2) SEISMIC DESIGN FORCES (Fp) ARE IN ACCORDANCE WITH THE CBC 2019; AND 3) VERIFY THAT SUBMITTAL IS WITHIN THE SCOPE OF OSHPD PREAPPROVAL OR MANUFACTURER'S
- CERTIFICATION (OPM): a. SIZE AND DISTRIBUTION OF SYSTEM COMPONENTS.
- b. SPACING OF FRAMING AND FLEX. JOINTS, AND
- c. SUBSTRATE FOR ATTACHMENTS.
- D. THE LAYOUT DRAWINGS (WITH THE SHOP DRAWING STAMP) SHALL BE KEPT ON THE JOBSITE AND CAN THEN BE USED FOR INSTALLATION OF THE SUPPORT AND BRACING. OSHPD FIELD STAFF WILL REVIEW THE INSTALLATION.
- E. A COPY OF THE CHOSEN BRACING SYSTEM(S) INSTALLATION GUIDE/OPM MANUAL SHALL BE ON THE JOBSITE PRIOR TO STARTING THE INSTALLATION OF HANGERS AND/OR BRACES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN COPIES OF OPM AND FURNISH THE INSPECTOR OR RECORD WITH ONE COPY OF EACH.
- F. COMPONENTS OF TWO OR MORE PRE-APPROVED BRACING SYSTEMS SHALL NOT BE MIXED. ONLY ONE PRE-APROVED BRACING SYSTEM MAY BE USED FOR A RUN OF PIPE, DUCT OR CONDUIT. ANY SUBSTITUTION OF COMPONENT OF AN OPM SYSTEM SHALL REQUIRE OSHPD REVIEW AND APPROVAL.
- REFERENCE: 2019 CAC SECTIONS 7-115, 7-126, 7-153 AND CBC 2019 SECTION 107. 5. THE SPACING AND DETAILS OF THE SUPPORTS, ATTACHMENTS AND BRACING OF FIRE SPRINKLER PIPING SHALL COMPLY WITH THE NFPA 13A AS MODIFIED BY THE 2019 CBC SECTIONS 1617A AND STATE FIRE MARSHAL AMENDMENTS. PROVIDE DETAILS AND CALCULATIONS FOR THE SWAY BRACING SUPPORTS AND THEIR ATTACHMENTS TO THE STRUCTURE. WHERE APPLICABLE, DETAILS FOR THE SUPPORTS, ATTACHMENTS AND BRACING MAY BE REFERRED TO AN OSHPD PREAPPROVAL OF MANUFACTURER'S CERTIFICATION (OPM). ALL LAYOUT DRAWINGS OF THE SPRINKLER SYSTEM SHALL BE SUBMITTED TO OSHPD FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION. SUBMITTAL SHALL BE STAMPED AND SIGNED PER THE PROVISIONS OF CAC 7-115 BY THE DESIGN PROFESSIONAL PREPARING THE DOCUMENTS
- REFERENCE: 2019 CAC SECTIONS 7-115, 7-126 AND 2019 CBC SECTION 107. 6. WHEN INSTALLING DRILLED IN ANCHORS AND/OR POWDER DRIVEN PINS IN EXISTING NON-PRESTRESSED REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. WHEN INSTALLING THEM INTO EXISTING PRESTRESSED CONCRETE (PRE OR POST-TENSIONED) LOCATE THE PRESTRESSED TENDONS BY USING A NON-DESTRUCTIVE METHOD PRIOR TO INSTALLATION. EXERCISE EXTREME CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE TENDONS DURING INSTALLATION. MAINTAIN A MINIMUM CLEARANCE OF ONE INCH BETWEEN THE

REINFORCEMENT AND THE DRILLED IN ANCHOR AND/OR PIN. REFERENCE: 2019 CBC SECTION 1603A.1.10.

T.I.O.

TITLE 24, PART 1 CALIFORNIA ADMINISTRATION CODE, SECTION 7-141 REQUIRES AN OSHPD APPROVED TESTING AND INSPECTION AND OBSERVATION PROGRAM FOR EACH PROJECT. THIS TIO PROGRAM IS CONSIDERED PART OF THE APPROVED CONTRACT DOCUMENTS.

THE PROJECT INSPECTOR OF RECORD SHALL REQUEST A COPY OF THE TESTING, INSPECTION, AND OBSERVATION PROGRAM FROM THE ARCHITECT. THE PROJECT INSPECTOR OF RECORD SHALL FORWARD COMPLETED TESTING AND INSPECTION FORMS TO THE

ARCHITECT FOR SUBMITTAL TO THE OSHPD OFFICE IN CONJUNCTION WITH PROJECT CLOSURE. TESTING

THE TESTING PROGRAM IDENTIFIES MATERIALS AND TESTS TO BE PERFORMED ON THIS PROJECT. THE FIRM(S) AND/OR INDIVIDUAL(S) TO PERFORM EACH OF THE REQUIRED TESTS ARE IDENTIFIED. AN APPROVED LIST WILL BE PRODUCED TO THE CONTRACTOR 2 WEEKS AFTER ISSUANCE OF THE NOTICE TO PROCEED.

THE GENERAL CONTRACTOR SHALL NOTIFY THE INSPECTOR OF RECORD IN WRITING AT LEAST 24 HOURS PRIOR TO EACH REQUIRED TEST. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE FIRM AND/OR INDIVIDUAL PERFORMING THE TEST, SCHEDULING AND COORDINATING THE REQUIRED TEST.

THE TESTING REPORT SHALL BE SUBMITTED TO THE ARCHITECT AND INSPECTOR OF RECORD WITHIN ONE WEEK OF TEST COMPLETION.

INSPECTION THE INSPECTIONS PROGRAM IDENTIFIES INSPECTIONS TO BE PERFORMED ON THIS PROJECT.

THE GENERAL CONTRACTOR SHALL NOTIFY THE INSPECTOR OF RECORD IN WRITING AT LEAST 24 HOURS PRIOR TO EACH REQUIRED INSPECTION. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE FIRM AND/OR

INDIVIDUAL PERFORMING THE INSPECTION, SCHEDULING AND COORDINATING THE REQUIRED INSPECTION. THE INSPECTION REPORT SHALL BE SUBMITTED TO THE ARCHITECT AND INSPECTOR OF RECORD WITHIN ONE WEEK OF INSPECTION COMPLETION.

OBSERVATION

THE OBSERVATION PROGRAM IDENTIFIES EACH PROFESSIONAL THAT MUST, THROUGH PERSONAL KNOWLEDGE, AS DEFINED IN CCR T-24 PART 1 SEC. 7-151. VERIFY THAT THE WORK IS IN COMPLIANCE WITH THE APPROVED PLANS AND SPECIFICATIONS. THE CONTRACTOR OR OWNER/BUILDER AND THE INSPECTOR OF RECORD SHALL VERIFY THAT THE WORK IS IN COMPLIANCE WITH THE APPROVED PLANS AND SPECIFICATIONS IN ACCORDANCE WITH THE REQUIREMENTS FOR PERSONAL KNOWLEDGE AS IT APPLIES TO EACH PARTICIPANT OR DISCIPLINE. THE PROGRAM GIVES SPECIFIC INTERVALS OR PROJECT MILESTONES AT WHICH SUCH OBSERVATION IS TO OCCUR FOR EACH EFFECTED PARTICIPANT OR DISCIPLINE.

THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT OF RECORD AND INSPECTOR OF RECORD AT LEAST 72 HOURS PRIOR TO PREPARATION BEING COMPLETED FOR EACH REQUIRED OBSERVATION ITEM.

WORK TO BE OBSERVED SHALL NOT BE COVERED, OCCUPIED, OR USED UNTIL WRITTEN ACCEPTANCE BY ALL INDIVIDUALS IDENTIFIED IN THE TABLE AND THE OSHPD FIELD STAFF AND HAS BEEN RECEIVED BY THE INSPECTOR OF RECORD.

VERIFIED COMPLIANCE REPORT (VR)

A VERIFIED COMPLIANCE REPORT IS REQUIRED TO BE COMPLETED FOR CONSTRUCTION OBSERVATION MILESTONES AT INTERVALS LISTED IN SECTION "D" OF T.I.O. ALL VRS SHALL BE SUBMITTED TO THE ARCHITECT WITHIN ONE WEEK OF OBSERVATION.

THE CONSTRUCTION OBSERVATION MILESTONES SHALL BE LISTED IN THE PROJECT CONSTRUCTION SCHEDULE. THE INSPECTOR OF RECORD SHALL MAINTAIN COPIES OF ALL VERIFIED COMPLIANCE REPORT FORMS.

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18008 Sky Park Circle, Suite 290 Irvine, CA 92614 (949) 431-0071

CHAIN LINK FENCE ENCLOSURE-AVIORAL HEALTH

NO. DATE

REVISIONS

PROFESSIONAL SEALS



AGENCY APPROVAL

DRAWN BY	(CHECKED I	BY	DATE
FM		GL		11.30.2020
PROJECT	NUM	IBER		
SHA #	193	327.000		
OSHPD #	S2	02245-36-00		
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OSHPD & TIO NOTES

SHEET NUMBER



- USE BY THE PUBLIC. 4. DRIVEWAYS AND ENTRANCES: KEEP DRIVEWAYS, PARKING AREAS, LOADING AREAS, AND ENTRANCES SERVING PREMISES CLEAR AND AVAILABLE TO OWNER, OWNER'S EMPLOYEES, AND EMERGENCY VEHICLES AT ALL TIMES. DO NOT USE THESE AREAS FOR PARKING OR STORAGE OF MATERIALS.
- 5. USE OF EXISTING BUILDING: MAINTAIN EXISTING BUILDING IN A WEATHERTIGHT CONDITION THROUGHOUT CONSTRUCTION PERIOD. REPAIR DAMAGE CAUSED BY CONSTRUCTION OPERATIONS. PROTECT BUILDING AND ITS OCCUPANTS DURING CONSTRUCTION PERIOD.
- 6. ON-SITE WORK HOURS: WORK SHALL BE GENERALLY PERFORMED INSIDE THE EXISTING BUILDING DURING NORMAL BUSINESS WORKING HOURS OF 7 A.M. TO 5 P.M., MONDAY THROUGH FRIDAY, EXCEPT OTHERWISE INDICATED.
- 7. EXISTING UTILITY INTERRUPTIONS: DO NOT INTERRUPT UTILITIES SERVING FACILITIES OCCUPIED BY OWNER OR OTHERS UNLESS PERMITTED UNDER THE FOLLOWING CONDITIONS AND THEN ONLY AFTER ARRANGING TO PROVIDE TEMPORARY UTILITY SERVICES ACCORDING TO REQUIREMENTS INDICATED: 8. DEFERRED APPROVAL ITEMS ARE LISTED ON DRAWINGS.
- 9. CONTRACTOR IS SOLELY RESPONSIBLE FOR OBTAINING ALL NECESSARY APPROVALS AND ALL COSTS ASSOCIATED WITH OBTAINING THE APPROVAL OF AGENCY HAVING JURISDICTION (AHJ) INCLUDING ALL ARCHITECTURAL AND ENGINEERING FEES FOR COORDINATING WITH AGENCY HAVING JURISDICTION (AHJ) BEYOND REVIEW AND SHIPPING OF TWO SEPARATE CONTRACTOR PROVIDED SUBMITTALS. DO NOT COMMENCE INSTALLATION OF ANY DEFERRED APPROVAL ITEM UNTIL ALL APPROVALS HAVE BEEN OBTAINED.
- 10. LEAD-BASED PAINT SHOULD BE REMOVED ONLY BY PROFESSIONALS TRAINED IN HAZARDOUS MATERIAL REMOVAL. A TRAINED PROFESSIONAL MUST FOLLOW VERY DETAILED PROCEDURES TO MINIMIZE, CONTROL AND CONTAIN LEAD DUST GENERATED BY THE REMOVAL PROCESS.

END OF SECTION 011000

- SECTION 012600 CONTRACT MODIFICATION PROCEDURES 1. PROPOSAL REQUESTS ISSUED ARE FOR INFORMATION ONLY. DO NOT CONSIDER THEM INSTRUCTIONS EITHER TO STOP WORK IN PROGRESS OR TO EXECUTE THE PROPOSED CHANGE.
- 2. WITHIN TIME SPECIFIED IN PROPOSAL REQUEST AFTER RECEIPT OF PROPOSAL REQUEST. SUBMIT A QUOTATION ESTIMATING COST ADJUSTMENTS TO THE CONTRACT SUM AND THE CONTRACT TIME NECESSARY TO EXECUTE THE
- CHANGE 3. INCLUDE A LIST OF QUANTITIES OF PRODUCTS REQUIRED OR ELIMINATED AND UNIT COSTS, WITH TOTAL AMOUNT OF PURCHASES AND CREDITS TO BE MADE. IF REQUESTED, FURNISH SURVEY DATA TO SUBSTANTIATE QUANTITIES.
- 4. INDICATE APPLICABLE TAXES, DELIVERY CHARGES, EQUIPMENT RENTAL, AND AMOUNTS OF TRADE DISCOUNTS. 5. INCLUDE COSTS OF LABOR AND SUPERVISION DIRECTLY ATTRIBUTABLE TO THE
- CHANGE. 6. INCLUDE AN UPDATED CONTRACTOR'S CONSTRUCTION SCHEDULE THAT INDICATES THE EFFECT OF THE CHANGE, INCLUDING, BUT NOT LIMITED TO, CHANGES IN ACTIVITY DURATION, START AND FINISH TIMES, AND ACTIVITY RELATIONSHIP. USE AVAILABLE TOTAL FLOAT BEFORE REQUESTING AN
- EXTENSION OF THE CONTRACT TIME. 7. ON OWNER'S APPROVAL OF A PROPOSAL REQUEST, ARCHITECT MAY ISSUE A CHANGE ORDER FOR SIGNATURES OF OWNER AND CONTRACTOR.
- 8. ARCHITECT MAY ISSUE A CONSTRUCTION CHANGE DIRECTIVE. CONSTRUCTION CHANGE DIRECTIVE INSTRUCTS CONTRACTOR TO PROCEED WITH A CHANGE IN THE WORK, FOR SUBSEQUENT INCLUSION IN A CHANGE ORDER.
- 9. CONSTRUCTION CHANGE DIRECTIVE CONTAINS A COMPLETE DESCRIPTION OF CHANGE IN THE WORK. IT ALSO DESIGNATES METHOD TO BE FOLLOWED TO DETERMINE CHANGE IN THE CONTRACT SUM OR THE CONTRACT TIME. 10 DOCUMENTATION MAINTAIN DETAILED RECORDS ON A TIME AND MATERIAL
- BASIS OF WORK REQUIRED BY THE CONSTRUCTION CHANGE DIRECTIVE. 11. AFTER COMPLETION OF CHANGE, SUBMIT AN ITEMIZED ACCOUNT AND SUPPORTING DATA NECESSARY TO SUBSTANTIATE COST AND TIME ADJUSTMENTS TO THE CONTRACT.

END OF SECTION 012600

SECTION 012900 - PAYMENT PROCEDURES

- 1. COORDINATE PREPARATION OF THE SCHEDULE OF VALUES WITH PREPARATION OF CONTRACTOR'S CONSTRUCTION SCHEDULE 2. SUBMIT THE SCHEDULE OF VALUES TO ARCHITECT AT EARLIEST POSSIBLE DATE
- BUT NO LATER THAN 7 DAYS BEFORE THE DATE SCHEDULED FOR SUBMITTAL OF INITIAL APPLICATIONS FOR PAYMENT. 3. NO PAYMENT APPLICATIONS WILL BE SIGNED BY THE ARCHITECT PRIOR TO THE
- CONTRACTOR SUBMITTING, AND THE ARCHITECT REVIEWING, A SCHEDULE OF VALUES.
- 4. EACH APPLICATION FOR PAYMENT SHALL BE CONSISTENT WITH PREVIOUS APPLICATIONS AND PAYMENTS AS CERTIFIED BY ARCHITECT PAID FOR BY 5. INITIAL APPLICATION FOR PAYMENT, APPLICATION FOR PAYMENT AT TIME OF
- SUBSTANTIAL COMPLETION, AND FINAL APPLICATION FOR PAYMENT INVOLVE ADDITIONAL REQUIREMENTS. 6. THE DATE FOR EACH PROGRESS PAYMENT IS INDICATED IN THE AGREEMENT BETWEEN OWNER AND CONTRACTOR. THE PERIOD OF CONSTRUCTION WORK
- COVERED BY EACH APPLICATION FOR PAYMENT IS THE PERIOD INDICATED IN THF AGREEMENT 7. FINAL PAYMENT APPLICATION: SUBMIT FINAL APPLICATION FOR PAYMENT WITH RELEASES AND SUPPORTING DOCUMENTATION NOT PREVIOUSLY SUBMITTED AND

END OF SECTION 012900

ACCEPTED.

SECTION 013100 - PROJECT MANAGEMENT AND COORDINATION

- 1. SCHEDULE AND CONDUCT MEETINGS AND CONFERENCES AT PROJECT SITE, UNLESS OTHERWISE INDICATED. 2. ATTENDEES: INFORM PARTICIPANTS AND OTHERS INVOLVED, AND INDIVIDUALS
- WHOSE PRESENCE IS REQUIRED, OF DATE AND TIME OF EACH MEETING. NOTIFY OWNER AND ARCHITECT OF SCHEDULED MEETING DATES AND TIMES. 3. AGENDA: PREPARE THE MEETING AGENDA. DISTRIBUTE THE AGENDA TO ALL INVITED ATTENDEES.
- 4. MINUTES: RECORD SIGNIFICANT DISCUSSIONS AND AGREEMENTS ACHIEVED. DISTRIBUTE THE MEETING MINUTES TO EVERYONE CONCERNED, INCLUDING
- OWNER AND ARCHITECT, WITHIN THREE DAYS OF THE MEETING. 5. FREQUENCY OF ATTENDANCE BY ARCHITECT: LIMITED BY ARCHITECT/OWNER CONTRACT.
- 6. SCHEDULE A PRECONSTRUCTION CONFERENCE BEFORE STARTING CONSTRUCTION, AT A TIME CONVENIENT TO OWNER AND ARCHITECT, BUT NO LATER THAN 15 DAYS AFTER EXECUTION OF THE AGREEMENT. HOLD THE CONFERENCE AT PROJECT SITE OR ANOTHER CONVENIENT LOCATION. CONDUCT THE MEETING TO REVIEW RESPONSIBILITIES AND PERSONNEL ASSIGNMENTS.
- 7. CONTRACTOR MAY SUBMIT A RFI TO THE ARCHITECT SEEKING CLARIFICATION OR INTERPRETATION OF THE CONTRACT DOCUMENTS. IF IN THE CONTRACTOR'S OPINION THE NATURE OF THE RFI REQUIRES A DISCUSSION, RATHER THAN SIMPLY AN ANSWER, THE CONTRACTOR SHALL CALL THE ARCHITECT TO HAVE SUCH A DISCUSSION. THE RESULTS OF THAT DISCUSSION AS WELL AS ALL OTHER RFI'S MUST BE PRESENTED IN WRITING ON A FORM APPROVED IN ADVANCED BY THE ARCHITECT ALONG WITH ANY SUPPORTING INFORMATION OR DATA, AS WELL AS THE CONTRACTOR'S RECOMMENDED RESOLUTION. AN ORAL RFI OR A RFI PRESENTED ON AN UNAPPROVED FORM, OR WITHOUT ADEQUATE SUPPORTING INFORMATION AND CONTRACTOR'S RECOMMENDED SOLUTION, WILL BE ATTRIBUTED SOLELY TO THE CONTRACTOR. ARCHITECT'S REVIEW OF OR RESPONSES TO REI'S SHALL NOT CONSTITUTE AN APPROVAL. DIRECTION. OR PROCEDURE RELATED TO THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES OF THE CONTRACTOR.
- 8. ARCHITECT'S REVIEW OF OR RESPONSES TO RFI'S SHALL NOT CONSTITUTE AN APPROVAL, DIRECTION, OR PROCEDURE RELATED TO THE CONSTRUCTION SITE SAFETY PRECAUTIONS, PROCEDURES, OR METHODOLOGY OF THE CONTRACTOR. 9. THE USE OF A RFI IS LIMITED TO CLARIFICATION OF THE CONTRACT
- DOCUMENTS. CONTRACTOR WILL LIMIT EACH RFI TO A SINGLE ISSUE. INFORMATION WHICH IS DISCERNABLE FROM THE CONTRACT DOCUMENTS: JCTION MEANS AND METHODS: PRODUCT SUBSTITUTION SUBMITTALS: PRODUCT SUBMITTALS; AND CONSTRUCTION SITE SAFETY WILL NOT BE ADDRESSED BY THE ARCHITECT IN RESPONDING TO A RFI.
- 10. ARCHITECT'S RESPONSE TO A RFI IS NOT A CHANGE ORDER OR DIRECTIVE AUTHORIZING AN INCREASE IN CONSTRUCTION COST OR TIME. 11. FRIVOLOUS OR UNNECESSARY RFIS: COST OF DESIGN PROFESSIONAL'S TIME
- WILL BE BILLED OR DEDUCTED FROM PROGRESS PAYMENT. 12. ARCHITECT WILL REVIEW EACH RFI, DETERMINE ACTION REQUIRED, AND RETURN IT. ALLOW 21 DAYS FOR ARCHITECT'S RESPONSE FOR EACH RFI. RFIS RECEIVED AFTER 1:00 P.M. WILL BE CONSIDERED AS RECEIVED THE FOLLOWING WORKING DAY.

END OF SECTION 013100

- SECTION 013200 CONSTRUCTION PROGRESS DOCUMENTATION 1. CONTRACTOR'S CONSTRUCTION SCHEDULE: SUBMIT TWO OPAQUE COPIES OF
- INITIAL SCHEDULE, LARGE ENOUGH TO SHOW ENTIRE SCHEDULE FOR ENTIRE CONSTRUCTION PERIOD. 2. COORDINATE SUBMITTALS SCHEDULE WITH LIST OF SUBCONTRACTS. THE
- SCHEDULE OF VALUES, AND CONTRACTOR'S CONSTRUCTION SCHEDULE. 3. COMPLY WITH PROCEDURES CONTAINED IN AGC'S "CONSTRUCTION PLANNING & SCHEDULING."

- 4. GANTT-CHART SCHEDULE: SUBMIT A COMPREHENSIVE, FULLY DEVELOPED, HORIZONTAL GANTT-CHART-TYPE, CONTRACTOR'S CONSTRUCTION SCHEDULE WITHIN 30 DAYS OF DATE ESTABLISHED FOR THE NOTICE OF AWARD. BASE SCHEDULE ON THE PRELIMINARY CONSTRUCTION SCHEDULE AND WHATEVER UPDATING AND FEEDBACK WAS RECEIVED SINCE THE START OF PROJECT.
- 5. CONTRACTOR'S CONSTRUCTION SCHEDULE UPDATING: AT MONTHLY INTERVALS, UPDATE SCHEDULE TO REFLECT ACTUAL CONSTRUCTION PROGRESS AND ACTIVITIES. ISSUE SCHEDULE ONE WEEK BEFORE EACH REGULARLY SCHEDULED PROGRESS MEETING.
- 6. REVISE SCHEDULE IMMEDIATELY AFTER EACH MEETING OR OTHER ACTIVITY WHERE REVISIONS HAVE BEEN RECOGNIZED OR MADE. ISSUE UPDATED SCHEDULE CONCURRENTLY WITH THE REPORT OF EACH SUCH MEETING. 7. INCLUDE A REPORT WITH UPDATED SCHEDULE THAT INDICATES EVERY CHANGE,
- INCLUDING, BUT NOT LIMITED TO, CHANGES IN LOGIC, DURATIONS, ACTUAL STARTS AND FINISHES. AND ACTIVITY DURATIONS. 8. AS THE WORK PROGRESSES, INDICATE ACTUAL COMPLETION PERCENTAGE FOR

EACH ACTIVITY. END OF SECTION 013200

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SECTION 013300 - SUBMITTAL PROCEDURES

- 1. ARCHITECT RESERVE THE RIGHT TO WITHHOLD ACTION ON A SUBMITTAL REQUIRING COORDINATION WITH OTHER SUBMITTALS UNTIL RELATED SUBMITTALS ARE RECEIVED.
- 2. PROCESSING TIME: ALLOW 15 DAYS. 3. NOTE DATE AND CONTENT OF PREVIOUS SUBMITTAL.
- 4. NOTE DATE AND CONTENT OF REVISION IN LABEL OR TITLE BLOCK AND CLEARLY INDICATE EXTENT OF REVISION.
- 5. RESUBMIT SUBMITTALS UNTIL THEY ARE MARKED "APPROVED" OR "FURNISH AS NOTED".

END OF SECTION 013300

SECTION 014000 - QUALITY REQUIREMENTS

- 1. EXPERIENCED: WHEN USED WITH AN ENTITY, "EXPERIENCED" MEANS HAVING SUCCESSFULLY COMPLETED A MINIMUM OF 5 PREVIOUS PROJECTS SIMILAR IN SIZE AND SCOPE TO THIS PROJECT; BEING FAMILIAR WITH SPECIAL REQUIREMENTS INDICATED; AND HAVING COMPLIED WITH REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION.
- 2. IF COMPLIANCE WITH TWO OR MORE STANDARDS IS SPECIFIED AND THE STANDARDS ESTABLISH DIFFERENT OR CONFLICTING REQUIREMENTS FOR MINIMUM QUANTITIES OR QUALITY LEVELS. COMPLY WITH THE MOST STRINGENT REQUIREMENT. REFER UNCERTAINTIES AND REQUIREMENTS THAT ARE DIFFERENT, BUT APPARENTLY EQUAL, TO ARCHITECT FOR A DECISION BEFORE PROCEEDING.
- 3. MINIMUM QUANTITY OR QUALITY LEVELS: THE QUANTITY OR QUALITY LEVEL SHOWN OR SPECIFIED SHALL BE THE MINIMUM PROVIDED OR PERFORMED. THE ACTUAL INSTALLATION MAY COMPLY EXACTLY WITH THE MINIMUM QUANTITY OR QUALITY SPECIFIED, OR IT MAY EXCEED THE MINIMUM WITHIN REASONABLE LIMITS. TO COMPLY WITH THESE REQUIREMENTS, INDICATED NUMERIC VALUES ARE MINIMUM OR MAXIMUM, AS APPROPRIATE, FOR THE CONTEXT OF REQUIREMENTS. REFER UNCERTAINTIES TO ARCHITECT FOR A DECISION BEFORE
- PROCEEDING. 4. INSTALLER QUALIFICATIONS: A FIRM OR INDIVIDUAL EXPERIENCED IN INSTALLING, ERECTING, OR ASSEMBLING WORK SIMILAR IN MATERIAL, DESIGN. AND EXTENT TO THAT INDICATED FOR THIS PROJECT, WHOSE WORK HAS RESULTED IN CONSTRUCTION WITH A RECORD OF SUCCESSFUL IN-SERVICE
- PERFORMANCE. 5. MANUFACTURER QUALIFICATIONS: A FIRM EXPERIENCED IN MANUFACTURING PRODUCTS OR SYSTEMS SIMILAR TO THOSE INDICATED FOR THIS PROJECT AND WITH A RECORD OF SUCCESSFUL IN-SERVICE PERFORMANCE, AS WELL AS
- SUFFICIENT PRODUCTION CAPACITY TO PRODUCE REQUIRED UNITS. 6. FABRICATOR QUALIFICATIONS: A FIRM EXPERIENCED IN PRODUCING PRODUCTS SIMILAR TO THOSE INDICATED FOR THIS PROJECT AND WITH A RECORD OF SUCCESSFUL IN-SERVICE PERFORMANCE, AS WELL AS SUFFICIENT PRODUCTION CAPACITY TO PRODUCE REQUIRED UNITS.

END OF SECTION 014000

- SECTION 014200 REFERENCES 1. APPLICABILITY OF STANDARDS: UNLESS THE CONTRACT DOCUMENTS INCLUDE MORE STRINGENT REQUIREMENTS, APPLICABLE CONSTRUCTION INDUSTRY STANDARDS HAVE THE SAME FORCE AND EFFECT AS IF BOUND OR COPIED DIRECTLY INTO THE CONTRACT DOCUMENTS TO THE EXTENT REFERENCED. SUCH STANDARDS ARE MADE A PART OF THE CONTRACT DOCUMENTS BY REFERENCE
- 2. PUBLICATION DATES: COMPLY WITH STANDARDS IN EFFECT AS OF DATE OF THE CONTRACT DOCUMENTS, UNLESS OTHERWISE INDICATED. 3. COPIES OF STANDARDS: EACH ENTITY ENGAGED IN CONSTRUCTION ON PROJECT SHOULD BE FAMILIAR WITH INDUSTRY STANDARDS APPLICABLE TO ITS CONSTRUCTION ACTIVITY. COPIES OF APPLICABLE STANDARDS ARE NOT BOUND
- WITH THE CONTRACT DOCUMENTS. 4. WHERE COPIES OF STANDARDS ARE NEEDED TO PERFORM A REQUIRED CONSTRUCTION ACTIVITY, OBTAIN COPIES DIRECTLY FROM PUBLICATION SOURCE.
- 5. COPIES OF STANDARDS AND APPLICABLE BUILDING CODES (TITLE 24 PARTS
- 1-5) SHALL BE KEPT ON-SITE DURING CONSTRUCTION. 6. ABBREVIATIONS AND ACRONYMS FOR STANDARDS AND REGULATIONS: WHERE ABBREVIATIONS AND ACRONYMS ARE USED IN SPECIFICATIONS OR OTHER CONTRACT DOCUMENTS, THEY SHALL MEAN THE RECOGNIZED NAME OF THE STANDARDS AND REGULATIONS.
- 7. CODE AGENCIES: WHERE ABBREVIATIONS AND ACRONYMS ARE USED IN SPECIFICATIONS OR OTHER CONTRACT DOCUMENTS, THEY SHALL MEAN THE RECOGNIZED NAMES. 8. FEDERAL GOVERNMENT AGENCIES: WHERE ABBREVIATIONS AND ACRONYMS ARE
- USED IN SPECIFICATIONS OR OTHER CONTRACT DOCUMENTS, THEY SHALL MEAN THE RECOGNIZED NAMES. 9. STATE GOVERNMENT AGENCIES: WHERE ABBREVIATIONS AND ACRONYMS ARE
- USED IN SPECIFICATIONS OR OTHER CONTRACT DOCUMENTS, THEY SHALL MEAN THE RECOGNIZED NAMES.

END OF SECTION 014200

- SECTION 015000 TEMPORARY FACILITIES AND CONTROLS
- 1. ELECTRIC POWER SERVICE: PAY ELECTRIC POWER SERVICE USE CHARGES FOR ELECTRICITY USED BY ALL ENTITIES FOR CONSTRUCTION OPERATIONS. 2. SANITARY FACILITIES: PAY SANITARY SERVICE USE CHARGE FOR TEMPORARY TOILETS, WASH FACILITIES, AND DRINKING WATER FOR USE OF CONSTRUCTION PERSONNEL
- 3. ELECTRIC SERVICE: COMPLY WITH NECA, NEMA, AND UL STANDARDS AND REGULATIONS FOR TEMPORARY ELECTRIC SERVICE. INSTALL SERVICE TO COMPLY WITH 2007 CEC. 4. TEMPORARY USE OF PERMANENT FACILITIES: INSTALLER OF EACH PERMANENT
- SERVICE SHALL ASSUME RESPONSIBILITY FOR OPERATION, MAINTENANCE, AND PROTECTION OF EACH PERMANENT SERVICE DURING ITS USE AS A CONSTRUCTION FACILITY BEFORE OWNER'S ACCEPTANCE, REGARDLESS OF PREVIOUSLY ASSIGNED RESPONSIBILITIES.
- 5. FIRE EXTINGUISHERS: PORTABLE, UL RATED; WITH CLASS AND EXTINGUISHING AGENT AS REQUIRED BY LOCATIONS AND CLASSES OF FIRE EXPOSURES. 6. VENTILATION AND HUMIDITY CONTROL: INSTALL TEMPORARY VENTILATION REQUIRED BY CONSTRUCTION ACTIVITIES FOR CURING OR DRYING OF COMPLETED INSTALLATIONS OR FOR PROTECTING INSTALLED CONSTRUCTION FROM ADVERSE EFFECTS OF HIGH HUMIDITY. SELECT EQUIPMENT THAT WILL
- NOT HAVE A HARMFUL EFFECT ON COMPLETED INSTALLATIONS OR ELEMENTS BEING INSTALLED. COORDINATE VENTILATION REQUIREMENTS TO PRODUCE AMBIENT CONDITION REQUIRED AND MINIMIZE ENERGY CONSUMPTION. 7. EXISTING STAIR USAGE (IF ANY): USE OF OWNER'S EXISTING STAIRS WILL BE PERMITTED, AS LONG AS STAIRS ARE CLEANED AND MAINTAINED IN A
- CONDITION ACCEPTABLE TO OWNER. AT SUBSTANTIAL COMPLETION, RESTORE STAIRS TO CONDITION EXISTING BEFORE INITIAL USE. 8. PROVIDE PROTECTIVE COVERINGS, BARRIERS, DEVICES, SIGNS, OR OTHER PROCEDURES TO PROTECT STAIRS AND TO MAINTAIN MEANS OF EGRESS. IF,
- DESPITE SUCH PROTECTION, STAIRS BECOME DAMAGED, RESTORE DAMAGED AREAS SO NO EVIDENCE REMAINS OF CORRECTION WORK. 9. TEMPORARY USE OF PERMANENT STAIRS: COVER FINISHED, PERMANENT STAIRS WITH PROTECTIVE COVERING OF PLYWOOD OR SIMILAR MATERIAL SO FINISHES
- WILL BE UNDAMAGED AT TIME OF ACCEPTANCE. 10. TEMPORARY PARTITIONS: PROVIDE FLOOR-TO-CEILING DUSTPROOF PARTITIONS TO LIMIT DUST AND DIRT MIGRATION AND TO SEPARATE AREAS OCCUPIED BY
- OWNER AND TENANTS FROM FUMES AND NOISE. 11. CONSTRUCT DUSTPROOF PARTITIONS WITH GYPSUM WALLBOARD WITH JOINTS TAPED ON OCCUPIED SIDE, AND FIRE-RETARDANT PLYWOOD ON CONSTRUCTION OPERATIONS SIDE.
- 12. CONSTRUCT DUSTPROOF PARTITIONS WITH 2 LAYERS OF 3-MIL POLYETHYLENE SHEET ON EACH SIDE. COVER FLOOR WITH 2 LAYERS OF 3-MIL POLYETHYLENE SHEET, EXTENDING SHEETS 18 INCHES UP THE SIDEWALLS. OVERLAP AND TAPE FULL LENGTH OF JOINTS. COVER FLOOR WITH FIRE-RETARDANT PLYWOOD.
- 13. CONSTRUCT VESTIBULE AND AIRLOCK AT EACH ENTRANCE THROUGH TEMPORARY PARTITION WITH NOT LESS THAN 48 INCHES BETWEEN DOORS.
- MAINTAIN WATER-DAMPENED FOOT MATS IN VESTIBULE. 14. INSULATE PARTITIONS TO PROVIDE NOISE PROTECTION TO OCCUPIED AREAS.
- 15. SEAL JOINTS AND PERIMETER. EQUIP PARTITIONS WITH DUSTPROOF DOORS AND END OF SECTION 017419 SECURITY LOCKS.

END OF SECTION 015000

- 16. PROTECT AIR-HANDLING EQUIPMENT.
- 17. WEATHER STRIP OPENINGS.
- 18. PROVIDE WALK-OFF MATS AT EACH ENTRANCE THROUGH TEMPORARY PARTITION.

6 1 7

SECTION 016000 - PRODUCT REQUIREMENTS

| 8 | 9 _____

1. SUBSTITUTION REQUESTS: SUBMIT 4 COPIES OF EACH REQUEST FOR CONSIDERATION. IDENTIFY PRODUCT OR FABRICATION OR INSTALLATION METHOD TO BE REPLACED. INCLUDE SPECIFICATION SECTION NUMBER AND TITLE AND DRAWING NUMBERS AND TITLES. 2. COMPATIBILITY OF OPTIONS: IF CONTRACTOR IS GIVEN OPTION OF SELECTING BETWEEN TWO OR MORE PRODUCTS FOR USE ON PROJECT, PRODUCT SELECTED

- SHALL BE COMPATIBLE WITH PRODUCTS PREVIOUSLY SELECTED, EVEN IF PREVIOUSLY SELECTED PRODUCTS WERE ALSO OPTIONS. 3. IF A DISPUTE ARISES BETWEEN CONTRACTORS OVER CONCURRENTLY SELECTABLE BUT INCOMPATIBLE PRODUCTS, ARCHITECT WILL DETERMINE WHICH PRODUCTS SHALL BE USED.
- 4. PRODUCT: WHERE SPECIFICATIONS NAME A SINGLE PRODUCT AND MANUFACTURER, PROVIDE THE NAMED PRODUCT THAT COMPLIES WITH REQUIREMENTS.
- 5. MANUFACTURERS: WHERE SPECIFICATIONS INCLUDE A LIST OF MANUFACTURERS' NAMES, PROVIDE A PRODUCT BY ONE OF THE MANUFACTURERS LISTED THAT COMPLIES WITH REQUIREMENTS.
- 6. BASIS-OF-DESIGN PRODUCT: WHERE SPECIFICATIONS NAME A PRODUCT AND INCLUDE A LIST OF MANUFACTURERS, PROVIDE THE SPECIFIED PRODUCT OR AN EQUAL PRODUCT BY ONE OF THE OTHER NAMED MANUFACTURERS. DRAWINGS AND SPECIFICATIONS INDICATE SIZES, PROFILES, DIMENSIONS, AND OTHER CHARACTERISTICS THAT ARE BASED ON THE PRODUCT NAMED. COMPLY WITH "OR EQUAL".
- 7. OR EQUAL: WHERE PRODUCTS ARE SPECIFIED BY NAME AND ACCOMPANIED BY THE TERM "OR EQUAL" OR "OR APPROVED EQUAL" OR "OR APPROVED," COMPLY WITH SUBSTITUTION REQUIREMENTS.
- 8. VISUAL MATCHING SPECIFICATION: WHERE SPECIFICATIONS REQUIRE MATCHING AN ESTABLISHED SAMPLE, SELECT A PRODUCT THAT COMPLIES WITH REQUIREMENTS AND MATCHES ARCHITECT'S SAMPLE. ARCHITECT'S DECISION WILL BE FINAL ON WHETHER A PROPOSED PRODUCT MATCHES. 9. VISUAL SELECTION SPECIFICATION: WHERE SPECIFICATIONS INCLUDE THE
- PHRASE "AS SELECTED FROM MANUFACTURER'S COLORS, PATTERNS, TEXTURES" OR A SIMILAR PHRASE, SELECT A PRODUCT THAT COMPLIES WITH OTHER SPECIFIED REQUIREMENTS. 10. TIMING: ARCHITECT WILL CONSIDER REQUESTS FOR SUBSTITUTION IF RECEIVED
- WITHIN 35 DAYS AFTER THE NOTICE TO PROCEED. REQUESTS RECEIVED AFTER THAT TIME MAY BE CONSIDERED OR REJECTED AT DISCRETION OF ARCHITECT. END OF SECTION 016000

SECTION 017300 - EXECUTION REQUIREMENTS

- 1. EXISTING CONDITIONS: THE EXISTENCE AND LOCATION OF SITE IMPROVEMENTS UTILITIES, AND OTHER CONSTRUCTION INDICATED AS EXISTING ARE NOT GUARANTEED. BEFORE BEGINNING WORK, INVESTIGATE AND VERIFY THE EXISTENCE AND LOCATION OF MECHANICAL AND ELECTRICAL SYSTEMS AND OTHER CONSTRUCTION AFFECTING THE WORK. 2. BEFORE CONSTRUCTION, VERIFY THE LOCATION AND POINTS OF CONNECTION OF UTILITY SERVICES.
- 3. EXISTING UTILITIES: THE EXISTENCE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES AND CONSTRUCTION INDICATED AS EXISTING ARE NOT GUARANTEED.
- 4. ACCEPTANCE OF CONDITIONS: EXAMINE SUBSTRATES, AREAS, AND CONDITIONS, WITH INSTALLER OR APPLICATOR PRESENT WHERE INDICATED, FOR COMPLIANCE WITH REQUIREMENTS FOR INSTALLATION TOLERANCES AND OTHER CONDITIONS AFFECTING PERFORMANCE. RECORD OBSERVATIONS. 5. VERIFY COMPATIBILITY WITH AND SUITABILITY OF SUBSTRATES, INCLUDING
- COMPATIBILITY WITH EXISTING FINISHES OR PRIMERS. 6. EXAMINE ROUGHING-IN FOR MECHANICAL AND ELECTRICAL SYSTEMS TO VERIFY ACTUAL LOCATIONS OF CONNECTIONS BEFORE EQUIPMENT AND FIXTURE INSTALLATION.
- 7. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED. PROCEEDING WITH THE WORK INDICATES ACCEPTANCE OF SURFACES AND CONDITIONS.
- 8. FIELD MEASUREMENTS: TAKE FIELD MEASUREMENTS AS REQUIRED TO FIT THE END OF SECTION 017839 WORK PROPERLY. RECHECK MEASUREMENTS BEFORE INSTALLING EACH PRODUCT. WHERE PORTIONS OF THE WORK ARE INDICATED TO FIT TO OTHER CONSTRUCTION. VERIFY DIMENSIONS OF OTHER CONSTRUCTION BY FIELD MEASUREMENTS BEFORE FABRICATION. COORDINATE FABRICATION SCHEDULE WITH CONSTRUCTION PROGRESS TO AVOID DELAYING THE WORK.
- 9. SPACE REQUIREMENTS: VERIFY SPACE REQUIREMENTS AND DIMENSIONS OF ITEMS SHOWN DIAGRAMMATICALLY ON DRAWINGS. 10. REVIEW OF CONTRACT DOCUMENTS AND FIELD CONDITIONS: IMMEDIATELY ON DISCOVERY OF THE NEED FOR CLARIFICATION OF THE CONTRACT DOCUMENTS, SUBMIT A REQUEST FOR INFORMATION TO ARCHITECT. INCLUDE A DETAILED DESCRIPTION OF PROBLEM ENCOUNTERED, TOGETHER WITH RECOMMENDATIONS FOR CHANGING THE CONTRACT DOCUMENTS.
- 11. COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS AND RECOMMENDATIONS FOR INSTALLING PRODUCTS IN APPLICATIONS INDICATED. 12. INSTALL PRODUCTS AT THE TIME AND UNDER CONDITIONS THAT WILL ENSURE THE BEST POSSIBLE RESULTS. MAINTAIN CONDITIONS REQUIRED FOR PRODUCT PERFORMANCE UNTIL SUBSTANTIAL COMPLETION.
- 13. CONDUCT CONSTRUCTION OPERATIONS SO NO PART OF THE WORK IS SUBJECTED TO DAMAGING OPERATIONS OR LOADING IN EXCESS OF THAT EXPECTED DURING NORMAL CONDITIONS OF OCCUPANCY. 14. ANCHORS AND FASTENERS: PROVIDE ANCHORS AND FASTENERS AS REQUIRED
- TO ANCHOR EACH COMPONENT SECURELY IN PLACE, ACCURATELY LOCATED AND ALIGNED WITH OTHER PORTIONS OF THE WORK. 15. MOUNTING HEIGHTS: WHERE MOUNTING HEIGHTS ARE NOT INDICATED, MOUNT
- COMPONENTS AT HEIGHTS DIRECTED BY ARCHITECT. 16. COORDINATE INSTALLATION OF ANCHORAGES. FURNISH SETTING DRAWINGS, TEMPLATES, AND DIRECTIONS FOR INSTALLING ANCHORAGES, INCLUDING SLEEVES, CONCRETE INSERTS, ANCHOR BOLTS, AND ITEMS WITH INTEGRAL ANCHORS, THAT ARE TO BE EMBEDDED IN CONCRETE OR MASONRY. DELIVER SUCH ITEMS TO PROJECT SITE IN TIME FOR INSTALLATION.
- 17. JOINTS: MAKE JOINTS OF UNIFORM WIDTH. WHERE JOINT LOCATIONS IN EXPOSED WORK ARE NOT INDICATED, ARRANGE JOINTS FOR THE BEST VISUAL EFFECT. FIT EXPOSED CONNECTIONS TOGETHER TO FORM HAIRLINE JOINTS. 18. WORK AREAS: CLEAN AREAS WHERE WORK IS IN PROGRESS TO THE LEVEL OF CLEANLINESS NECESSARY FOR PROPER EXECUTION OF THE WORK.
- 19. REMOVE LIQUID SPILLS PROMPTLY. 20.WHERE DUST WOULD IMPAIR PROPER EXECUTION OF THE WORK, BROOM-CLEAN OR VACUUM THE ENTIRE WORK AREA, AS APPROPRIATE. 21. REPAIR OR REMOVE AND REPLACE DEFECTIVE CONSTRUCTION.
- 22.RESTORE PERMANENT FACILITIES USED DURING CONSTRUCTION TO THEIR SPECIFIED CONDITION. 23.REMOVE AND REPLACE DAMAGED SURFACES THAT ARE EXPOSED TO VIEW IF
- SURFACES CANNOT BE REPAIRED WITHOUT VISIBLE EVIDENCE OF REPAIR. 24.REPAIR COMPONENTS THAT DO NOT OPERATE PROPERLY. REMOVE AND REPLACE OPERATING COMPONENTS THAT CANNOT BE REPAIRED. 25. REMOVE AND REPLACE CHIPPED, SCRATCHED, AND BROKEN GLASS OR REFLECTIVE SURFACES.

END OF SECTION 017300

SECTION 017419 - CONSTRUCTION WASTE MANAGEMENT

- 1. DEVELOP WASTE MANAGEMENT PLAN THAT RESULTS IN END-OF-PROJECT RATES FOR SALVAGE/RECYCLING OF 50 PERCENT BY WEIGHT OF TOTAL WASTE GENERATED BY THE WORK. NOT A REQUIREMENT, BUT A GOAL FOR SUSTAINABLE DESIGN. NO EXTRA COST SHOULD INCUR TO OWNER. 2. REGULATORY REQUIREMENTS: COMPLY WITH HAULING AND DISPOSAL
- REGULATIONS OF AUTHORITIES HAVING JURISDICTION. 3. SITE ACCESS AND TEMPORARY CONTROLS: CONDUCT WASTE MANAGEMENT OPERATIONS TO ENSURE MINIMUM INTERFERENCE WITH ROADS. STREETS. WALKS, WALKWAYS, AND OTHER ADJACENT OCCUPIED AND USED FACILITIES.
- 4. DESIGNATE AND LABEL SPECIFIC AREAS ON PROJECT SITE NECESSARY FOR SEPARATING MATERIALS THAT ARE TO BE SALVAGED, RECYCLED, REUSED, DONATED, AND SOLD.
- 5. SALVAGED ITEMS FOR REUSE IN THE WORK: INSTALL SALVAGED ITEMS TO COMPLY WITH INSTALLATION REQUIREMENTS FOR NEW MATERIALS AND EQUIPMENT. PROVIDE CONNECTIONS, SUPPORTS, AND MISCELLANEOUS MATERIALS NECESSARY TO MAKE ITEMS FUNCTIONAL FOR USE INDICATED. 6. SALVAGED ITEMS FOR SALE AND DONATION: NOT PERMITTED ON PROJECT SITE.
- 7. SALVAGED ITEMS FOR OWNER'S USE: STORE ITEMS IN A SECURE AREA UNTIL DELIVERY TO OWNER. 8. DOORS AND HARDWARE: BRACE OPEN END OF DOOR FRAMES. EXCEPT FOR
- REMOVING DOOR CLOSERS. LEAVE DOOR HARDWARE ATTACHED TO DOORS. 9. RECYCLE PAPER AND BEVERAGE CONTAINERS USED BY ON-SITE WORKERS. 10. EXCEPT FOR ITEMS OR MATERIALS TO BE SALVAGED, RECYCLED, OR
- OTHERWISE REUSED, REMOVE WASTE MATERIALS FROM PROJECT SITE AND LEGALLY DISPOSE OF THEM IN A LANDFILL OR INCINERATOR ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION. 11. EXCEPT AS OTHERWISE SPECIFIED, DO NOT ALLOW WASTE MATERIALS THAT
- ARE TO BE DISPOSED OF ACCUMULATE ON-SITE. 12. REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS.
- 13. BURNING: DO NOT BURN WASTE MATERIALS.
- 14. DISPOSAL: TRANSPORT WASTE MATERIALS OFF OWNER'S PROPERTY AND END OF SECTION 055000 LEGALLY DISPOSE OF THEM.

8

SECTION 017700 - CLOSEOUT PROCEDURES

1. SUBSTANTIAL COMPLETION INSPECTION: SUBMIT A WRITTEN REQUEST FOR FINAL INSPECTION PROCESS FOR ACCEPTANCE. ON RECEIPT OF REQUEST, ARCHITECT EITHER PROCEED WITH INSPECTION PROCESS OR NOTIFY CONTRACTOR OF UNFULFILLED REQUIREMENTS. ARCHITECT WILL PREPARE A FINAL CERTIFICATE FOR PAYMENT AFTER INSPECTION OR WILL NOTIFY CONTRACTOR OF CONSTRUCTION THAT MUST BE COMPLETED OR CORRECTED BEFORE

- 10 | 11 | 12 CERTIFICATE WILL BE ISSUED. 2. PUNCH LIST: SUBMIT THREE COPIES OF LIST. INCLUDE NAME AND IDENTIFICATION OF EACH SPACE AND AREA AFFECTED BY CONSTRUCTION OPERATIONS FOR INCOMPLETE ITEMS AND ITEMS NEEDING CORRECTION INCLUDING, IF NECESSARY, AREAS DISTURBED BY CONTRACTOR THAT ARE
 - OUTSIDE THE LIMITS OF CONSTRUCTION. 3. ORGANIZE WARRANTY DOCUMENTS INTO AN ORDERLY SEQUENCE BASED ON THE TABLE OF CONTENTS OF THE PROJECT MANUAL.
 - 4. PROVIDE FINAL CLEANING. CONDUCT CLEANING AND WASTE-REMOVAL AND LOCAL ENVIRONMENTAL AND ANTIPOLLUTION REGULATIONS.

END OF SECTION 017700

- SECTION 017823 OPERATION AND MAINTENANCE DATA 1. WHERE OPERATION AND MAINTENANCE DOCUMENTATION INCLUDES INFORMATION
- REPRESENTATIVES AND PREPARE MANUALS. 2. LIST OF SYSTEMS AND SUBSYSTEMS: LIST SYSTEMS ALPHABETICALLY.
- CONTAIN INFORMATION ABOUT EACH SYSTEM. 3. LIST OF EQUIPMENT: LIST EQUIPMENT FOR EACH SYSTEM. ORGANIZED
- SYSTEM, LIST ALPHABETICALLY IN SEPARATE LIST
- EMERGENCY, OPERATION, AND MAINTENANCE MANUAL.
- DOCUMENTATION FOR BUILDING SYSTEMS."
- SECTION FOR EACH PIECE OF EQUIPMENT NOT PART OF A SYSTEM.
- OPERATION, AND MAINTENANCE MANUALS. 8. EMERGENCY MANUAL: ASSEMBLE A COMPLETE SET OF EMERGENCY
- INFORMATION INDICATING PROCEDURES FOR USE BY EMERGENCY PERSONNEL INDICATED. 9. PRODUCT MAINTENANCE MANUAL: ASSEMBLE A COMPLETE SET OF
- MATERIAL, AND FINISH INCORPORATED INTO THE WORK. 10. OPERATION AND MAINTENANCE MANUALS: ASSEMBLE A COMPLETE SET OF
- OPERATION AND MAINTENANCE DATA INDICATING OPERATION AND MAINTENANCE SYSTEM.

END OF SECTION 017823

- SECTION 017839 PROJECT RECORD DOCUMENTS

 - SIMILAR ENTITY, TO PREPARE THE MARKED-UP RECORD PRINTS.

SECTION 024119 - SELECTIVE DEMOLITION

- DRAWINGS BEFORE PROCEEDING WITH SELECTIVE DEMOLITION.
- AS FOLLOWS:
- LOWER LEVEL.
- SURFACES. TEMPORARILY COVER OPENINGS TO REMAIN.
- SURFACES TO AVOID MARRING EXISTING FINISHED SURFACES.
- FIRE-SUPPRESSION DEVICES DURING FLAME-CUTTING OPERATIONS. 7. MAINTAIN ADEQUATE VENTILATION WHEN USING CUTTING TORCHES.
- 8. REMOVE DECAYED, VERMIN-INFESTED, OR OTHERWISE DANGEROUS OR UNSUITABLE MATERIALS AND PROMPTLY DISPOSE OF OFF-SITE.
- GENERATION.
- FLOORS, OR FRAMING.

END OF SECTION 024119

TYPE 304.

INSTALLATION.

SURFACES.

PENETRATED.

BARRIERS, AND SMOKE BARRIERS.

12

- SECTION 055000 METAL FABRICATIONS FOR INSTALLATION.
- ROLLER MARKS, ROLLED TRADE NAMES, OR BLEMISHES.
- 3. STEEL PLATES, SHAPES, AND BARS: ASTM A 36.

INDICATED TO BE GALVANIZED.

OPERATIONS TO COMPLY WITH LOCAL LAWS AND ORDINANCES AND FEDERAL

ON INSTALLATIONS BY MORE THAN ONE FACTORY-AUTHORIZED SERVICE REPRESENTATIVE. ASSEMBLE AND COORDINATE INFORMATION FURNISHED BY INCLUDE REFERENCES TO OPERATION AND MAINTENANCE MANUALS THAT ALPHABETICALLY BY SYSTEM. FOR PIECES OF EQUIPMENT NOT PART OF 4. TABLES OF CONTENTS: INCLUDE A TABLE OF CONTENTS FOR EACH 5. IDENTIFICATION: IN THE DOCUMENTATION DIRECTORY AND IN EACH OPERATION AND MAINTENANCE MANUAL, IDENTIFY EACH SYSTEM, SUBSYSTEM, AND PIECE OF EQUIPMENT WITH SAME DESIGNATION USED IN THE CONTRACT DOCUMENTS. IF NO DESIGNATION EXISTS, ASSIGN A DESIGNATION ACCORDING TO ASHRAE GUIDELINE 4, "PREPARATION OF OPERATING AND MAINTENANCE

6. ORGANIZATION: UNLESS OTHERWISE INDICATED, ORGANIZE EACH MANUAL INTO A SEPARATE SECTION FOR EACH SYSTEM AND SUBSYSTEM, AND A SEPARATE 7. OPERATION AND MAINTENANCE DOCUMENTATION DIRECTORY: PREPARE A SEPARATE MANUAL THAT PROVIDES AN ORGANIZED REFERENCE TO EMERGENCY,

AND BY OWNER'S OPERATING PERSONNEL FOR TYPES OF EMERGENCIES MAINTENANCE DATA INDICATING CARE AND MAINTENANCE OF EACH PRODUCT.

OF EACH SYSTEM, SUBSYSTEM, AND PIECE OF EQUIPMENT NOT PART OF A

1. RECORD PRINTS: MAINTAIN ONE SET OF BLUE- OR BLACK-LINE WHITE PRINTS OF THE CONTRACT DRAWINGS AND SHOP DRAWINGS. MARK RECORD PRINTS TO SHOW THE ACTUAL INSTALLATION WHERE INSTALLATION VARIES FROM THAT SHOWN ORIGINALLY. REQUIRE INDIVIDUAL OR ENTITY WHO OBTAINED RECORD DATA, WHETHER INDIVIDUAL OR ENTITY IS INSTALLER, SUBCONTRACTOR, OR 2. RECORD SPECIFICATION: MARK SPECIFICATIONS TO INDICATE THE ACTUAL PRODUCT INSTALLATION WHERE INSTALLATION VARIES FROM THAT INDICATED IN SPECIFICATIONS, ADDENDA, AND CONTRACT MODIFICATIONS.

1. NOTIFY ARCHITECT OF DISCREPANCIES BETWEEN EXISTING CONDITIONS AND 2. DEMOLISH AND REMOVE EXISTING CONSTRUCTION ONLY TO THE EXTENT REQUIRED BY NEW CONSTRUCTION AND AS INDICATED. USE METHODS REQUIRED TO COMPLETE THE WORK WITHIN LIMITATIONS OF GOVERNING REGULATIONS AND

3. PROCEED WITH SELECTIVE DEMOLITION SYSTEMATICALLY, FROM HIGHER TO LOWER LEVEL. COMPLETE SELECTIVE DEMOLITION OPERATIONS ABOVE EACH FLOOR OR TIER BEFORE DISTURBING SUPPORTING MEMBERS ON THE NEXT

4. NEATLY CUT OPENINGS AND HOLES PLUMB, SQUARE, AND TRUE TO DIMENSIONS REQUIRED. USE CUTTING METHODS LEAST LIKELY TO DAMAGE CONSTRUCTION TO REMAIN OR ADJOINING CONSTRUCTION. USE HAND TOOLS OR SMALL POWER TOOLS DESIGNED FOR SAWING OR GRINDING, NOT HAMMERING AND CHOPPING, TO MINIMIZE DISTURBANCE OF ADJACENT 5. CUT OR DRILL FROM THE EXPOSED OR FINISHED SIDE INTO CONCEALED

6. DO NOT USE CUTTING TORCHES UNTIL WORK AREA IS CLEARED OF FLAMMABLE MATERIALS. AT CONCEALED SPACES, SUCH AS DUCT AND PIPE INTERIORS, VERIFY CONDITION AND CONTENTS OF HIDDEN SPACE BEFORE STARTING FLAME-CUTTING OPERATIONS. MAINTAIN WATCH AND PORTABLE

9. REMOVE STRUCTURAL FRAMING MEMBERS AND LOWER TO GROUND BY METHOD SUITABLE TO AVOID FREE FALL AND TO PREVENT GROUND IMPACT OR DUST

10. LOCATE SELECTIVE DEMOLITION EQUIPMENT AND REMOVE DEBRIS AND MATERIALS SO AS NOT TO IMPOSE EXCESSIVE LOADS ON SUPPORTING WALLS,

1. COORDINATE INSTALLATION OF STEEL WELD PLATES AND ANGLES FOR CASTING INTO CONCRETE THAT ARE SPECIFIED IN THIS SECTION BUT REQUIRED FOR WORK OF ANOTHER SECTION. DELIVER SUCH ITEMS TO PROJECT SITE IN TIME 2. METAL SURFACES, GENERAL: PROVIDE MATERIALS WITH SMOOTH, FLAT SURFACES, UNLESS OTHERWISE INDICATED. FOR METAL FABRICATIONS EXPOSED TO VIEW IN THE COMPLETED WORK, PROVIDE MATERIALS WITHOUT SEAM MARKS,

4. STAINLESS-STEEL SHEET, STRIP, PLATE, AND FLAT BARS: ASTMA666, 5. STAINLESS-STEEL BARS AND SHAPES: ASTM A 276, TYPE 304.

6. STEEL TUBING: ASTM A 500, COLD-FORMED STEEL TUBING.

7. STEEL PIPE: ASTM A 53, STANDARD WEIGHT (SCHEDULE 40), UNLESS ANOTHER WEIGHT IS INDICATED OR REQUIRED BY STRUCTURAL LOADS. 8. FASTENERS: UNLESS OTHERWISE INDICATED, PROVIDE TYPE 304 STAINLESS-STEEL FASTENERS FOR EXTERIOR USE AND ZINC-PLATED FASTENERS WITH COATING COMPLYING WITH ASTM B 633, CLASS FE/ZN 5, AT EXTERIOR WALLS. PROVIDE STAINLESS-STEEL FASTENERS FOR FASTENING ALUMINUM. SELECT FASTENERS FOR TYPE, GRADE, AND CLASS REQUIRED. 9. ANCHOR BOLTS: ASTMF1554, GRADE 36. PROVIDE HOT-DIP OR MECHANICALLY

DEPOSITED, ZINC-COATED ANCHOR BOLTS WHERE ITEM BEING FASTENED IS 10. UNIVERSAL SHOP PRIMER: FAST-CURING, LEAD- AND CHROMATE-FREE, UNIVERSAL MODIFIED-ALKYD PRIMER COMPLYING WITH MPI#79. USE PRIMER CONTAINING PIGMENTS THAT MAKE IT EASILY DISTINGUISHABLE FROM ZINC-RICH

11. GALVANIZING REPAIR PAINT: HIGH-ZINC-DUST-CONTENT PAINT FOR REGALVANIZING WELDS IN STEEL, COMPLYING WITH SSPC-PAINT 20.

12. NONSHRINK. METALLIC GROUT: FACTORY-PACKAGED, FERROUS-AGGREGATE GROUT COMPLYING WITH ASTM C 1107, SPECIFICALLY RECOMMENDED BY MANUFACTURER FOR HEAVY-DUTY LOADING APPLICATIONS. 13. SHOP ASSEMBLY: PREASSEMBLE ITEMS IN THE SHOP TO GREATEST EXTENT

POSSIBLE. DISASSEMBLE UNITS ONLY AS NECESSARY FOR SHIPPING AND HANDLING LIMITATIONS. USE CONNECTIONS THAT MAINTAIN STRUCTURAL VALUE OF JOINED PIECES. CLEARLY MARK UNITS FOR REASSEMBLY AND COORDINATED 14. CUT, DRILL, AND PUNCH METALS CLEANLY AND ACCURATELY. REMOVE BURRS

AND EASE EDGES TO A RADIUS OF APPROXIMATELY 1/32 INCH, UNLESS OTHERWISE INDICATED. REMOVE SHARP OR ROUGH AREAS ON EXPOSED 15. METAL LADDERS: COMPLY WITH ANSI A14.3, UNLESS OTHERWISE INDICATED.

SECTION 078413 - PENETRATION FIRESTOPPING

1. FOR PENETRATIONS THROUGH THE FOLLOWING FIRE-RESISTANCE-RATED CONSTRUCTIONS, INCLUDING BOTH EMPTY OPENINGS AND OPENINGS CONTAINING PENETRATING ITEMS, PROVIDE THROUGH-PENETRATION FIRESTOP SYSTEMS THAT ARE PRODUCED AND INSTALLED TO RESIST SPREAD OF FIRE ACCORDING TO REQUIREMENTS INDICATED, RESIST PASSAGE OF SMOKE AND OTHER GASES, AND MAINTAIN ORIGINAL FIRE-RESISTANCE RATING OF CONSTRUCTION

2. FIRE-RESISTANCE-RATED WALLS INCLUDING FIRE WALLS, FIRE PARTITIONS, FIRE

17 13 | 14 | 15 16 3. FIRE-RESISTANCE-RATED HORIZONTAL ASSEMBLIES INCLUDING FLOORS, FLOOR/CEILING ASSEMBLIES, AND CEILING MEMBRANES OF ROOF/CEILING ASSEMBLIES.

4. RATED SYSTEMS: PROVIDE THROUGH-PENETRATION FIRESTOP SYSTEMS WITH THE FOLLOWING RATINGS DETERMINED PER ASTME 814 OR UL 1479: 5. F-RATED SYSTEMS: PROVIDE THROUGH-PENETRATION FIRESTOP SYSTEMS WITH F-RATINGS INDICATED, BUT NOT LESS THAN THAT EQUALING OR EXCEEDING

FIRE-RESISTANCE RATING OF CONSTRUCTIONS PENETRATED. 6. T-RATED SYSTEMS: FOR THE FOLLOWING CONDITIONS, PROVIDE THROUGH-PENETRATION FIRESTOP SYSTEMS WITH T-RATINGS INDICATED, AS WELL AS F-RATINGS, WHERE SYSTEMS PROTECT PENETRATING ITEMS EXPOSED TO POTENTIAL CONTACT WITH ADJACENT MATERIALS IN OCCUPIABLE FLOOR ARFAS

a. PENETRATIONS LOCATED OUTSIDE WALL CAVITIES. b. PENETRATIONS LOCATED OUTSIDE FIRE-RESISTANCE-RATED SHAFT ENCLOSURES. 7. L-RATED SYSTEMS: PROVIDE THROUGH-PENETRATION FIRESTOP SYSTEMS WITH

L-RATINGS OF NOT MORE THAN 3.0 CFM/SQ. FT AT BOTH AMBIENT TEMPERATURES AND 400 DEGF. 8. FURNISH PRODUCT DATA FOR EACH TYPE OF PRODUCTS.

9. THROUGH-PENETRATION FIRESTOP SYSTEMS: HILTI, INC., SPECIFIED TECHNOLOGIES INC., 3M; FIRE PROTECTION PRODUCTS DIVISION, OR EQUAL. 10. COMPATIBILITY: PROVIDE THROUGH-PENETRATION FIRESTOP SYSTEMS THAT ARE COMPATIBLE WITH ONE ANOTHER; WITH THE SUBSTRATES FORMING OPENINGS; AND WITH THE ITEMS. IF ANY. PENETRATING THROUGH-PENETRATION FIRESTOP SYSTEMS, UNDER CONDITIONS OF SERVICE AND APPLICATION, AS DEMONSTRATED BY THROUGH-PENETRATION FIRESTOP SYSTEM MANUFACTURER BASED ON TESTING AND FIELD EXPERIENCE.

END OF SECTION 078413

- SECTION 092216 NON-LOAD-BEARING STEEL FRAMING 1. FURNISH PRODUCT DATA FOR EACH TYPE OF PRODUCTS.
- 2. FIRE-TEST-RESPONSE CHARACTERISTICS: FOR FIRE-RESISTANCE-RATED ASSEMBLIES THAT INCORPORATE NON-LOAD-BEARING STEEL FRAMING. PROVIDE MATERIALS AND CONSTRUCTION IDENTICAL TO THOSE TESTED IN ASSEMBLY INDICATED ACCORDING TO ASTME 119 BY AN INDEPENDENT TESTING AGENCY.
- 3. STC-RATED ASSEMBLIES: FOR STC-RATED ASSEMBLIES, PROVIDE MATERIALS AND CONSTRUCTION IDENTICAL TO THOSE TESTED IN ASSEMBLY INDICATED ACCORDING TO ASTME90 AND CLASSIFIED ACCORDING TO ASTME413 BY AN INDEPENDENT TESTING AGENCY.
- 4. CONSTRUCTION STANDARDS: CONSTRUCTION NOT ON DRAWINGS OR REFERENCED SHALL BE AS DETAILED IN TECHNICAL LIBRARY BY SSMA TECHNICAL SERVICES. 5. DEFLECTION LIMITS: MAXIMUM DEFLECTION OF FOLLOWING AT 5 PSF.
- 6. GYPSUM BOARD ASSEMBLIES: L/240.
- 7. CERAMIC TILE: L/360.
- 8. NON-LOAD-BEARING STEEL FRAMING: CALIFORNIA EXPANDED METAL PRODUCTS COMPANY (CEMCO), CLARK STEEL FRAMING SYSTEMS, CONSOLIDATED SYSTEMS, INC., DIETRICH INDUSTRIES, INC., WESTERN METAL LATH & STEEL FRAMING
- SYSTEMS, OR EQUAL. 9. FRAMING MEMBERS, GENERAL: COMPLY WITH ASTM C 754 FOR CONDITIONS INDICATED.
- 10. STEEL SHEET COMPONENTS: COMPLY WITH ASTMC645 REQUIREMENTS FOR METAL, UNLESS OTHERWISE INDICATED.
- 11. PROTECTIVE COATING: ASTM A 653, G40, HOT-DIP GALVANIZED ZINC COATING, UNLESS OTHERWISE INDICATED.
- 12. TIE WIRE: ASTM A 641, CLASS 1 ZINC COATING, SOFT TEMPER, 18 GAUGE MINIMUM.
- 13. ZINC-COATED, CARBON-STEEL WIRE HANGER: ASTM A 641, CLASS 1 ZINC COATING, SOFT TEMPER. SELECT WIRE DIAMETER SO ITS STRESS AT 3 TIMES HANGER DESIGN LOAD (ASTM C 635, TABLE 1, "DIRECT HUNG") WILL BE LESS THAN YIELD STRESS OF WIRE, BUT PROVIDE NOT LESS THAN 0.106 INCH (12 GAUGE) DIAMETER.
- 14. CARRYING CHANNELS: COLD-ROLLED, COMMERCIAL-STEEL SHEET WITH A BASE-METAL THICKNESS OF 0.0538 INCH (16 GAUGE) AND MINIMUM 1/2-INCH-WIDE FLANGES. 15. HAT-SHAPED, RIGID FURRING CHANNELS: ASTM C 645.
- 16. RESILIENT FURRING CHANNELS: 1/2-INCH DEEP MEMBERS DESIGNED TO REDUCE SOUND TRANSMISSION. 17. STEEL STUDS AND RUNNERS: ASTM C 645; OF SIZE AND PROPERTIES
- NECESSARY TO COMPLY WITH ASTM C 754 FOR THE SPACING INDICATED. 18. HAT-SHAPED, RIGID FURRING CHANNELS: ASTM C 645. 19. RESILIENT FURRING CHANNELS: 1/2-INCH DEEP MEMBERS DESIGNED TO REDUCE
- SOUND TRANSMISSION. 20.Z-SHAPED FURRING: WITH SLOTTED OR NONSLOTTED WEB, FACE FLANGE OF 1-1/4 INCHES, WALL ATTACHMENT FLANGE OF 7/8 INCH, THICKNESS AS INDICATED BUT NOT LESS THAN BARE-METAL THICKNESS OF 0.0312 INCH (20 GAUGE), AND DEPTH REQUIRED TO FIT INSULATION THICKNESS INDICATED.

SECTION 099100 - PAINTING

21. END OF SECTION 092216

- 1. FURNISH PRODUCT DATA FOR EACH TYPE OF PRODUCTS.
- 2. PAINTS: BENJAMIN MOORE, DUNN-EDWARDS, GLIDDEN (ICI) PAINTS, SHERWIN WILLIAMS, FRAZEE PAINT, OR EQUAL. 3. CLEAN ALL EXTERIOR WALLS AND SURFACES OF LOOSE AND SCALY PAINT, DIRT, DUST, CHALK, AND OTHER FOREIGN MATTER BY WATER-BLASTING USING
- CARE NOT TO DAMAGE SUBSTRATE FOLLOWED BY HAND SCRAPING, SANDING OR WIRE BRUSHING AFTER SURFACES ARE DRY. MILDEW MUST BE TREATED WITH HOUSEHOLD BLEACH SOLUTION AND RINSED THOROUGHLY. 4. PATCH, CAULK, SET PROTRUDING NAILS AND REPAIR ALL SURFACES AND
- CRACKS WHERE NECESSARY WITH SUITABLE PATCHING MATERIALS AND SMOOTH OFF TO MATCH ADJACENT SURFACES. 5. SAND GLOSSY SURFACES TO DULL SURFACE AND REMOVE RESIDUE.
- 6. REMOVE MILDEW FROM AFFECTED SURFACES WITH A SOLUTION OF TRI-SODIUM PHOSPHATE AND BLEACH. RINSE WITH CLEAN WATER AND ALLOW TO DRY COMPLETELY.
- 7. EXISTING SURFACES TO BE RECOATED SHALL BE THOROUGHLY CLEANED AND DE-GLOSSED BY SANDING OR OTHER MEANS PRIOR TO PRIMING AND PAINTING. PATCHED AND BARE AREAS SHALL BE SPOT PRIMED WITH THE SAME PRIMER
- AS SPECIFIED FOR NEW WORK. 8. RUSTY METAL: SCRAPE, SAND OR WIRE WHEEL, FEATHERING EDGES TO SOUND COATING. DUST SURFACES. TOPCOAT. 9. REMOVE SOIL AND BODY OILS COMPLETELY FROM SURFACES, INCLUDING
- HANDRAILS, DOOR EDGES AND POSTS. TREAT WITH LIQUID SANDPAPER OR DULL-N-BOND. 10. REMOVE HARDWARE, ACCESSORIES, PLATES, FIXTURES AND SIMILAR ITEMS NOT
- TO BE FINISHED. REINSTALL AT COMPLETION. 11. PAINT EDGES OF SINK CUT-OUTS. 12. GALVANIZED SURFACES: REMOVE ALL OILS AND CONTAMINATION FROM
- GALVANIZED SURFACES SCHEDULED TO BE PAINTED BY WASHING WITH A COMPLIANT SOLVENT WASH. 13. FERROUS METAL: REMOVE GREASE, RUST, SCALE, DIRT AND DUST FROM
- FERROUS METAL SURFACES. PRIMER COAT SHALL BE APPLIED NOT LESS THAN 30 MINUTES, NOR MORE THAN 3 HOURS AFTER PREPARATION OF SURFACE. 14. PRIMED METAL: SAND AND SCRAPE SHOP PRIMED METAL TO REMOVE LOOSE PRIMER AND RUST. TOUCH-UP BARE, ABRADED AND DAMAGED AREAS WITH METAL PRIMER. FEATHER EDGES TO MAKE TOUCH-UP PATCHES INCONSPICUOUS
- 15. PLASTER SURFACES SHALL BE DRY AND FREE FROM EFFLORESCENCE, ENCRUSTATIONS AND FOREIGN MATTER. FILL CRACKS, HOLES AND IMPERFECTIONS, SMOOTHING REPAIRS TO MATCH ADJACENT TEXTURE. ALLOW REPAIRS TO FULLY CURE BEFORE PRIMING.
- 16. PRIME PLASTER SURFACES WITH SPECIFIED PRIMER. CAULK ALL CRACKS. 17. GYPSUM BOARD: GYPSUM BOARD SHALL BE DUSTED CLEAN AND FREE FROM ENCRUSTATIONS AND OTHER FOREIGN MATTER.
- 18. PREPARATION OF OTHER SURFACES SHALL BE PERFORMED FOLLOWING SPECIFIC RECOMMENDATIONS OF THE COATING MANUFACTURER.
- 19. MAINTENANCE PAINTING WILL FREQUENTLY NOT PERMIT OR REQUIRE COMPLETE REMOVAL OF ALL OLD COATINGS PRIOR TO REPAINTING. HOWEVER, ALL SURFACE CONTAMINATION SUCH AS OIL, GREASE, LOOSE PAINT, MILL SCALE DIRT, FOREIGN MATTER, RUST, MOLD, MILDEW, MORTAR, EFFLORESCENCE, AND FALERS MUST BE REMOVED D ASSURF SOUND BONDIN ADHERING OLD PAINT. GLOSSY SURFACES OF OLD PAINT FILMS MUST BE CLEAN AND DULL BEFORE REPAINTING. THOROUGH WASHING WITH AN ABRASIVE CLEANSER WILL CLEAN AND DULL IN ONE OPERATION. OR. WASH THOROUGHLY AND DULL BY SANDING. SPOT PRIME ANY BARE AREAS WITH AN APPROPRIATE PRIMER. RECOGNIZE THAT ANY SURFACE PREPARATION SHORT OF TOTAL REMOVAL OF THE OLD COATING MAY COMPROMISE THE SERVICE LENGTH OF THE SYSTEM, CHECK FOR COMPATIBILITY BY APPLYING A TEST PATCH OF THE RECOMMENDED COATING SYSTEM, COVERING AT LEAST 2 TO 3 SQUARE FEET. ALLOW TO DRY ONE WEEK BEFORE TESTING ADHESION PER ASTM D3359. IF THE COATING SYSTEM IS INCOMPATIBLE, COMPLETE REMOVAL IS REQUIRED PER ASTM D4259.
- 20.FERROUS METAL LATEX, SEMI-GLOSS, 3 COAT: ONE (1) COAT DTM ACRYLIC METAL PRIMER # P04. TWO (2) COATS ECO SPEC W/B SEMI GLOSS # 376. 21. GYPSUM BOARD - LATEX, EGGSHELL, 3 COAT: ONE (1) FRESH START ALL
- PURPOSE PRIMER # 023. TWO (2) COATS ECO SPEC W/B SEMI GLOSS # 376. 22.GYPSUM BOARD - LATEX, SATIN/SEMI-GLOSS, 3 COAT: ONE (1) COAT - FRESH START ALL PURPOSE PRIMER #023. TWO(2) COATS - ECO SPEC W/B INTERIOR EGGSHELL OR SEMI GLOSS FINISH #374/376.
- 23.COLORS: AS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE OF COLORS.

ARCHITECT

PROJECT

BEHAVIORAL HEALTH

NO. DATE

PROFESSIONAL SEALS

DRAWN

SHEET TITLE

SHEET NUMBER

END OF SECTION 099100



SHEET SPECIFICATIONS

DRAWN BY	(CHECKED B	Y	DATE
FM		GL		11.30.2020
PROJECT	NUM	BER		
SHA #	193	27.000		
OSHPD #	S20	02245-36-00		
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C-19930 + C-199300 + C-19930 +
AGENCY APPROVAL



REVISIONS

MEDICAL CENTER 400 N. PEPPER AVE. **COLTON, CA 92324 CHAIN LINK FENCE ENCLOSURE-**

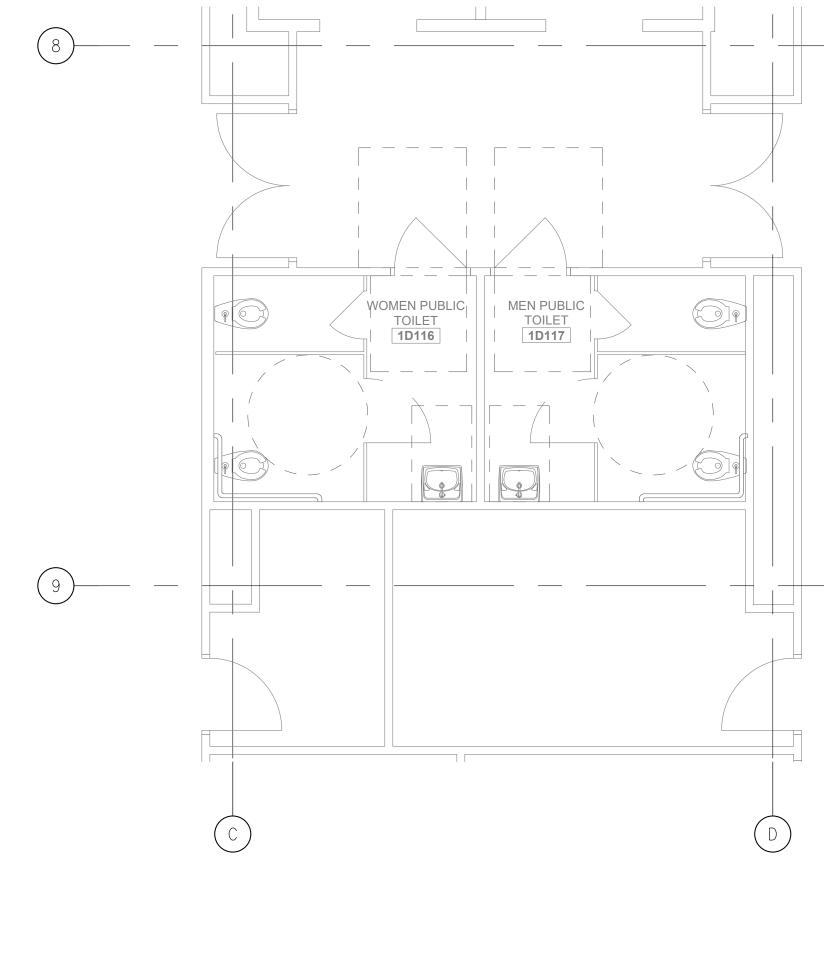
Healthcare Architects

ARCHITECTURE + PLANNING + DESIGN 18008 Sky Park Circle, Suite 290 Irvine, CA 92614

(949) 431-0071 **ARROWHEAD REGIONAL**



(E) ACCESSIBLE PUBLIC TELEPHONE SERVICES PROVIDED AT RECEPTION COUNTER -

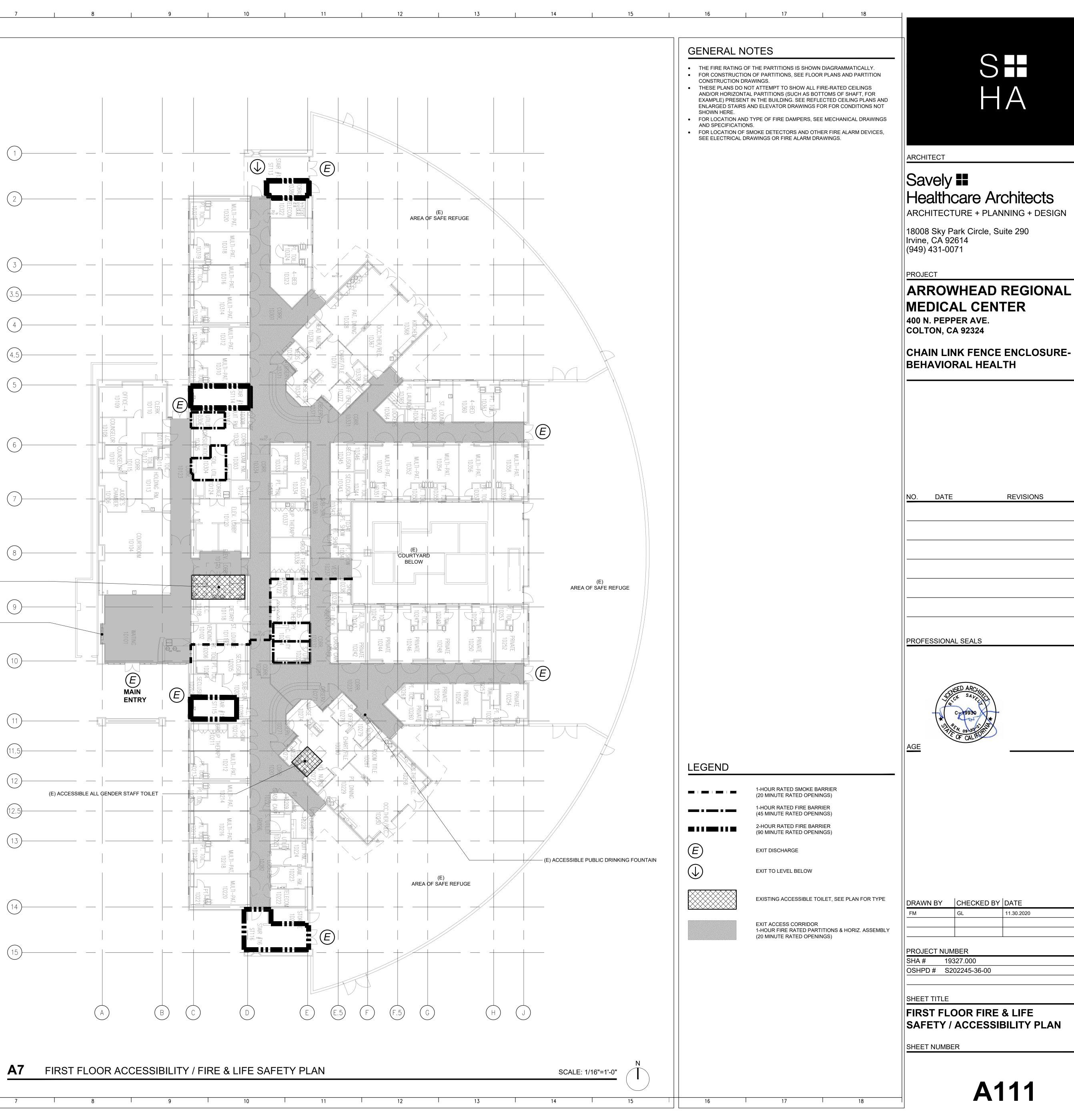


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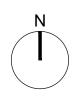
ENLARGED TOILET PLAN **A1**

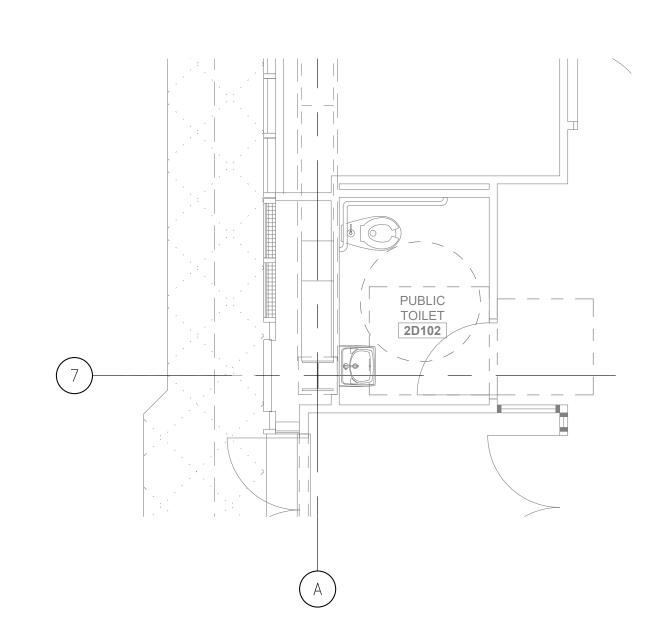


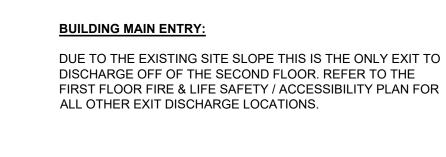


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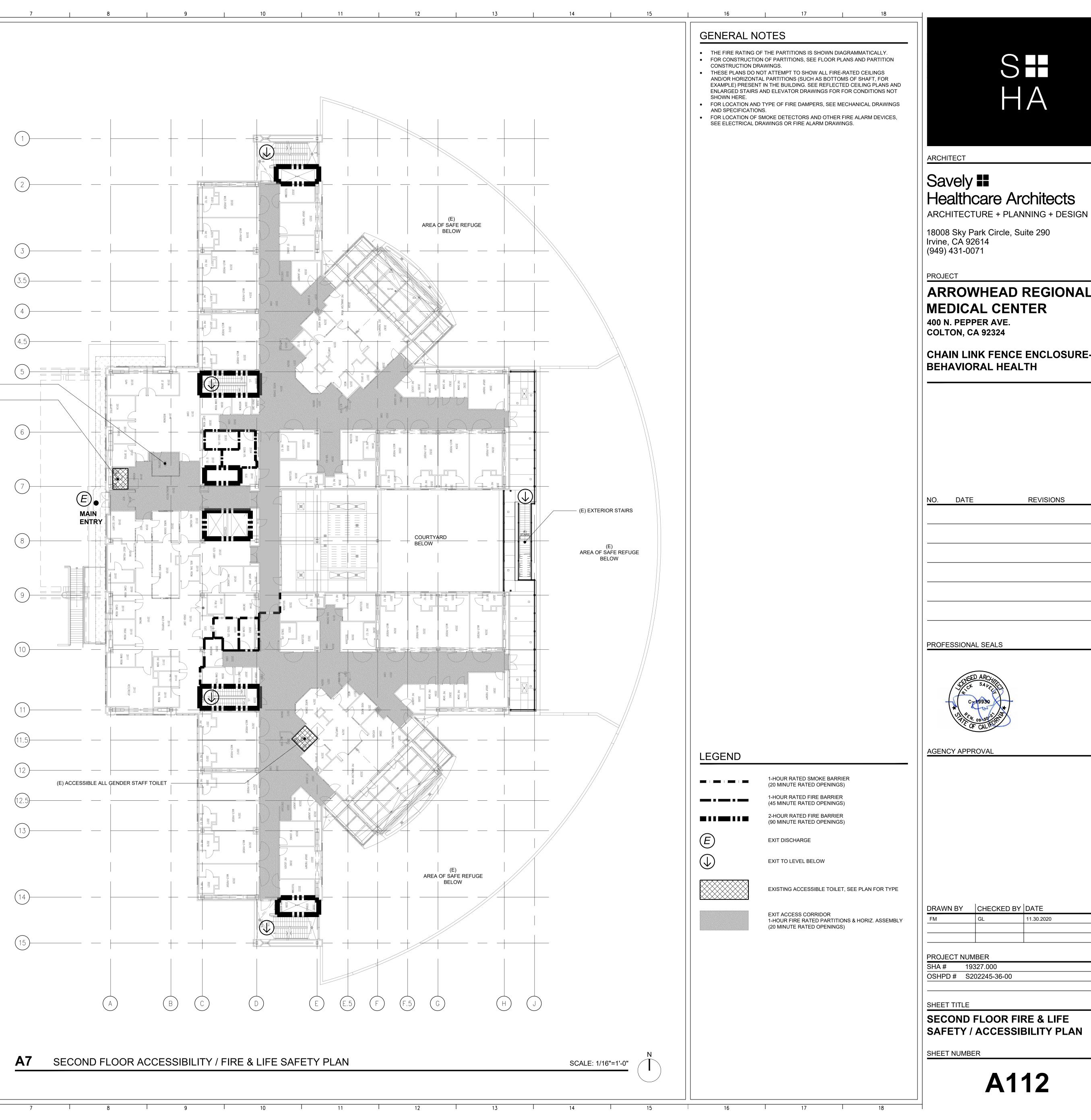
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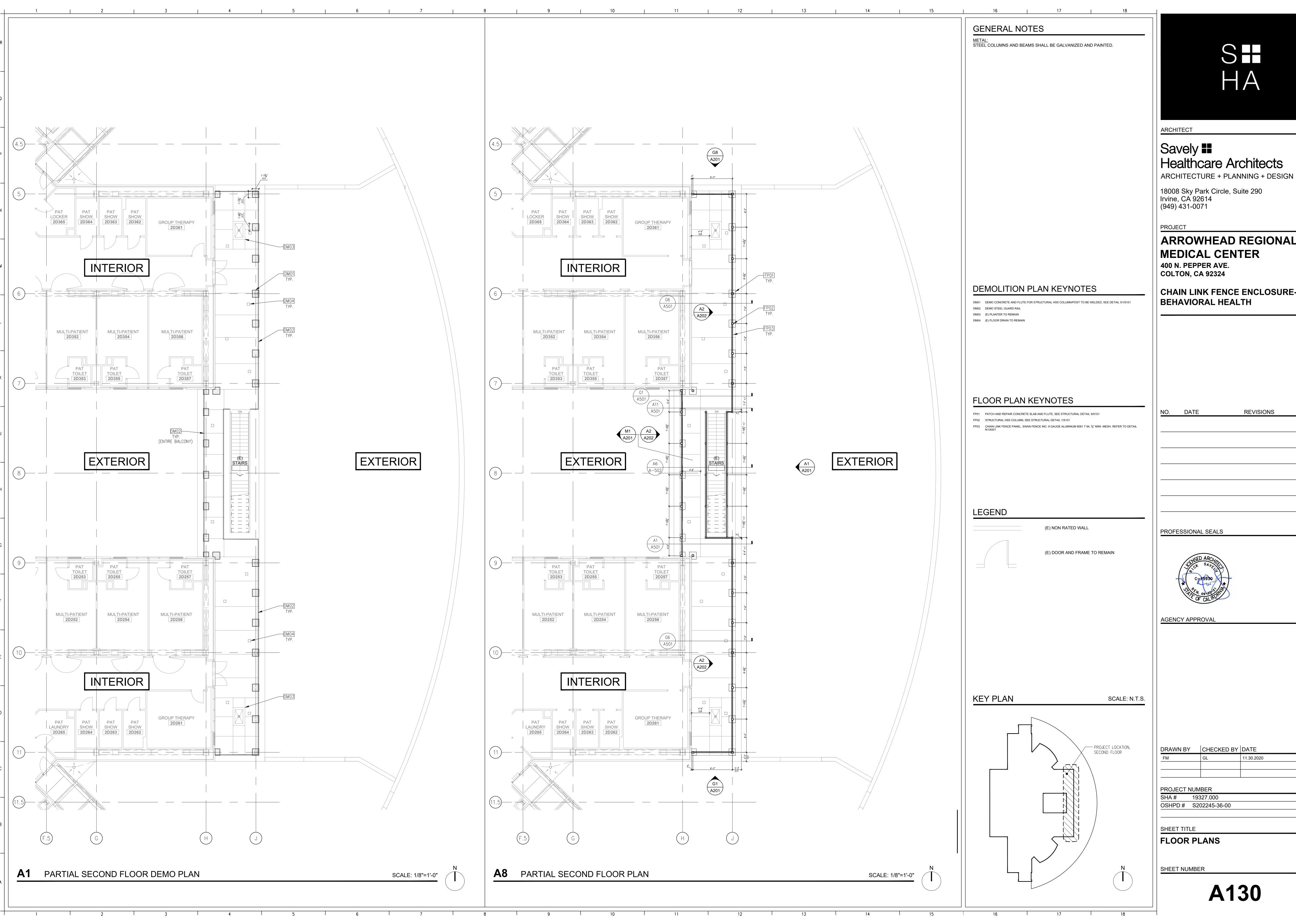




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CHAIN LINK FENCE ENCLOSURE-

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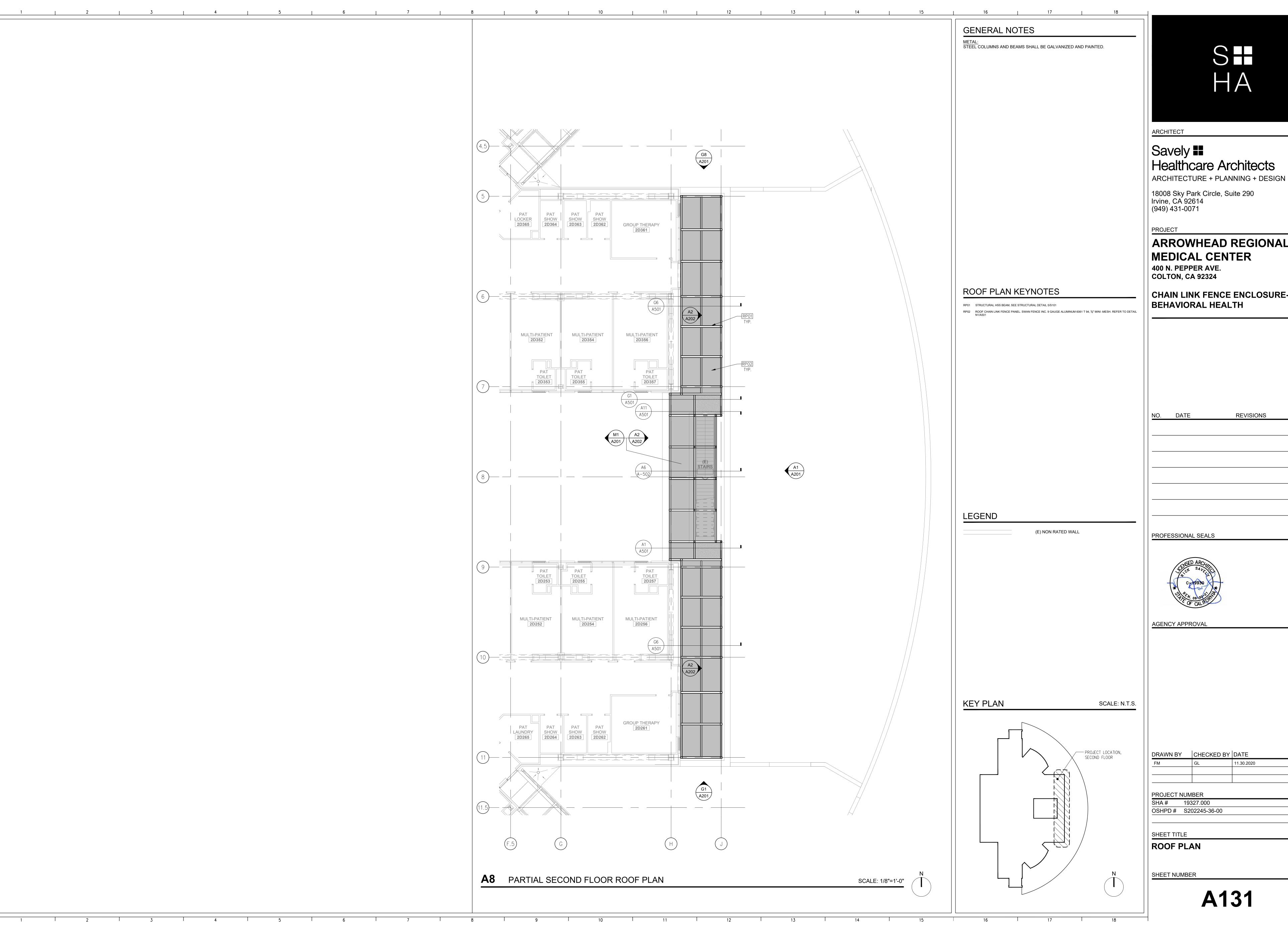




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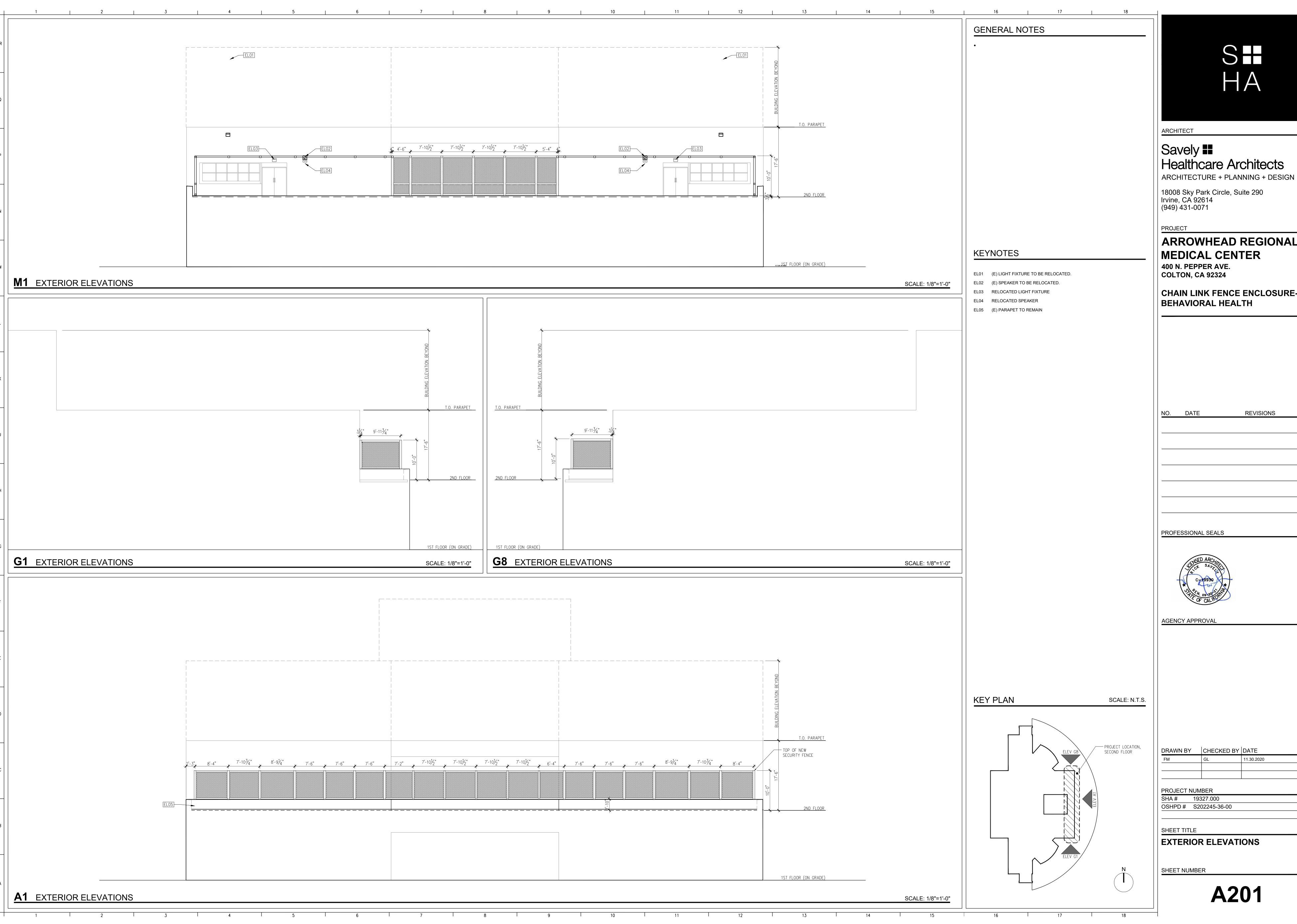




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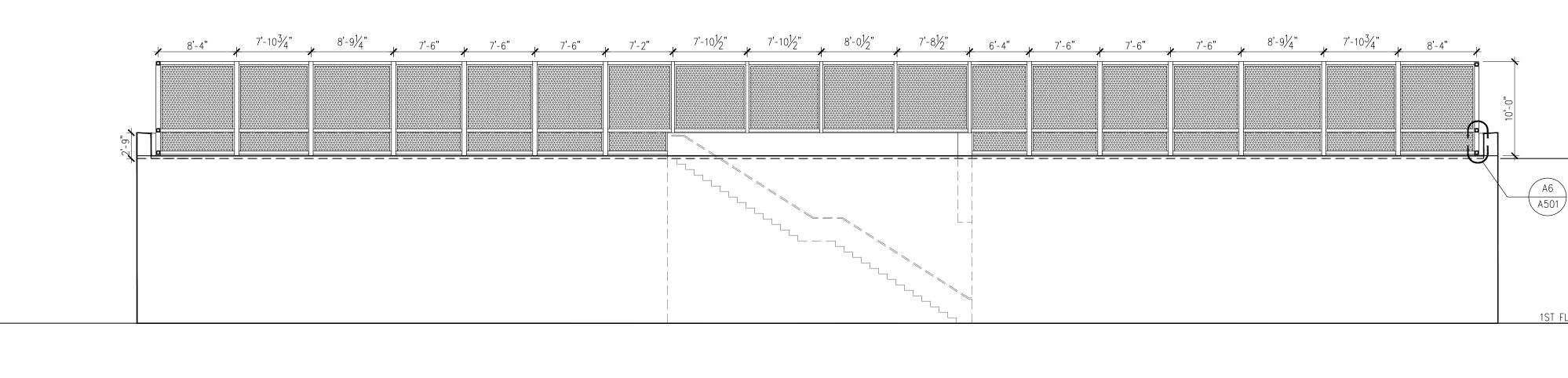




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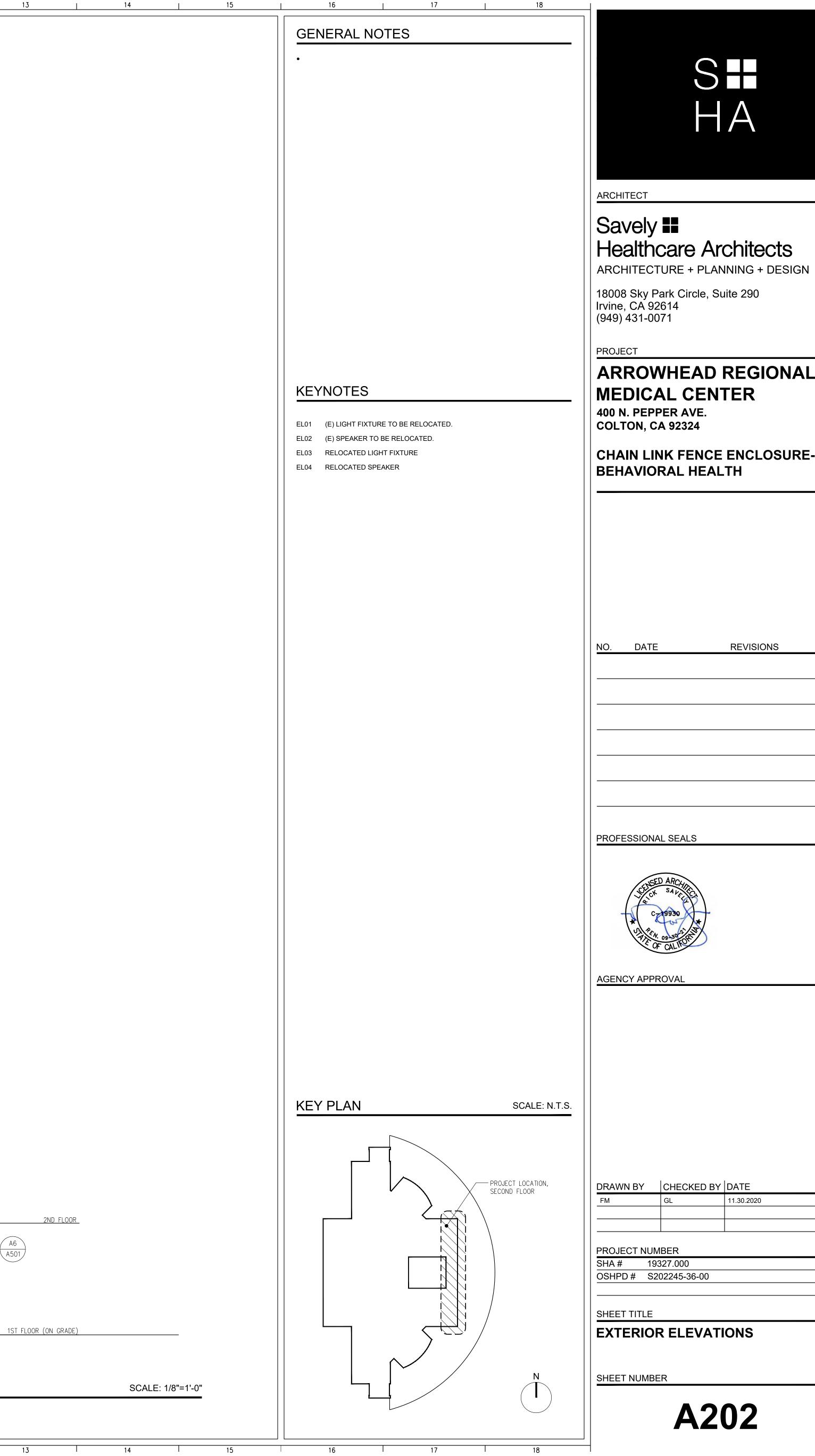
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A2 EXTERIOR ELEVATIONS

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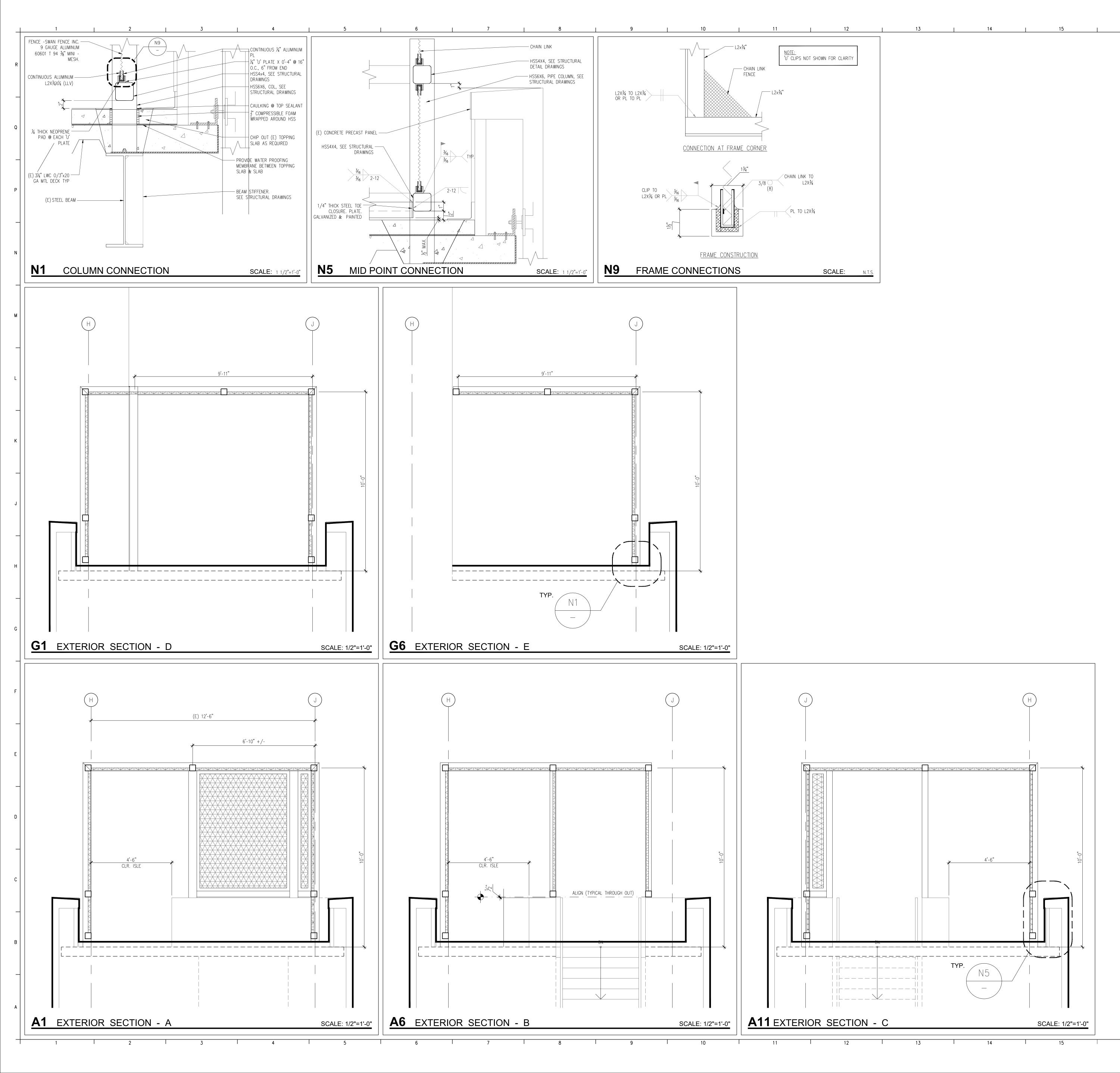


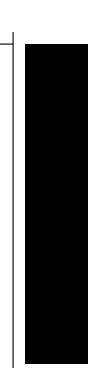


ARROWHEAD REGIONAL

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193	327.000	
# S20	02245-36-00	
TITLE		





ARCHITECT

18008 Sky Park Circle, Suite 290 Irvine, CA 92614 (949) 431-0071

PROJECT

NO. DATE

DRAWN B

PROJEC SHA #

SHEET TITLE SECTIONS AND DETAILS

SHEET NUMBER

17

18

FM

OSHPD #



Savely Healthcare Architects ARCHITECTURE + PLANNING + DESIGN

ARROWHEAD REGIONAL MEDICAL CENTER 400 N. PEPPER AVE. **COLTON, CA 92324**

CHAIN LINK FENCE ENCLOSURE-**BEHAVIORAL HEALTH**

REVISIONS

PROFESSIONAL SEALS



AGENCY APPROVAL

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<u>GENERAL</u>

- 1. THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO RECONSTRUCT THE HOSPITAL BUILDING IN ACCORDANCE WITH CALIFORNIA BUILDING STANDARDS CODE, TITLE 24, CALIFORNIA CODE OF REGULATIONS (CBSC 2019). SHOULD ANY CONDITION DEVELOP NOT COVERED BY THE APPROVED PLANS AND SPECIFICATIONS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH THE 2019 CBSC, AMENDED CONSTRUCTION DOCUMENTS (ACD's) DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY OSHPD BEFORE PROCEEDING WITH THE WORK.
- . REFERENCE TO CODES, RULES REGULATIONS, STANDARDS, MANUFACTURER'S INSTRUCTIONS OR REQUIREMENTS OF REGULATORY AGENCIES IS TO THE LATEST EDITION OF EACH IN EFFECT AT THE DATE OF SUBMISSION OF BID UNLESS THE DOCUMENT DATE IS SHOWN. . DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT
- SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN, USE SIMILAR DETAILS OF CONSTRUCTION, SUBJECT TO REVIEW BY THE STRUCTURAL ENGINEER OF RECORD (SEOR) AND OSHPD FIELD STAFF 3. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 4. VERIFY ALL DIMENSIONS, ELEVATIONS AND SITE CONDITIONS BEFORE STARTING WORK. NOTIFY ARCHITECT OF DISCREPANCIES. 5. DO NOT SCALE THE DRAWINGS.
- 6. TOLERANCES SHALL BE ACCORDING TO THE BUILDING CODE. 7. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES AND RESOLVE BEFORE PROCEEDING WITH THE WORK. 8. PROVIDE MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES
- INCLUDE, BUT MAY NOT BE LIMITED TO, BRACING AND SHORING FOR LOADS DURING CONSTRUCTION. RETAIN A REGISTERED CIVIL ENGINEER WHOM IS PROPERLY QUALIFIED TO DESIGN BRACING, SHORING, ETC. VISITS TO THE SITE BY THE OWNER'S REPRESENTATIVE WILL NOT INCLUDE OBSERVATION OF THE ABOVE NOTED ITEMS. 9. THE CONTRACTOR SHALL SUPERVISE, DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES. THE SUPPORTING SERVICES BY
- THE SEOR, WHETHER PERFORMED PRIOR TO, DURING, OR AFTER CONSTRUCTION, ARE PERFORMED SOLELY FOR THE PURPOSE OF ASSISTING IN QUALITY CONTROL AND IN ACHIEVING CONFORMANCE WITH CONTRACT DRAWINGS; BUT THEY DO NOT GUARANTEE THE CONTRACTOR'S PERFORMANCE AND SHALL NOT BE CONSIDERED AS SUPERVISION OF CONSTRUCTION. 10. CONSTRUCTION LOADS: EVENLY DISTRIBUTE STORED MATERIALS ON FLOORS AND ROOFS. DO NOT EXCEED ALLOWABLE LOADING FOR SUPPORTING MEMBERS AND CONNECTIONS.
- 11. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR PROVIDING A SAFE PLACE TO WORK AND MEETING THE REQUIREMENTS OF ALL APPLICABLE JURISDICTIONS. EXECUTE WORK TO ENSURE THE SAFETY OF PERSONS AND ADJACENT PROPERTY AGAINST DAMAGE BY FALLING DEBRIS AND OTHER HAZARDS RELATED WITH THIS WORK. 12. SHOP DRAWINGS SHALL BE SUBMITTED TO THE SEOR FOR APPROVAL PRIOR TO FABRICATION. SEOR REQUIRES 5 TO 10 WORKING DAYS FROM WHEN THE SHOP DRAWINGS ARE RECEIVED UNTIL THE TIME THEY ARE SENT OUT OF THE OFFICE. SHOP DRAWINGS WILL BE REJECTED FOR INCOMPLETENESS, LACK OF CALCULATIONS (IF REQUIRED) OR CHANGES WITHOUT PRE-APPROVAL. ALL STRUCTURAL CALCULATIONS AND DRAWINGS AS PART OF THE SHOP DRAWINGS SUBMITTAL SHALL BE SIGNED AND STAMPED BY A CALIFORNIA REGISTERED STRUCTURAL ENGINEER.

DESIGN CRITERIA

1. THE OBJECTIVE OF THIS WORK IS TO DESIGN STRUCTURAL STEEL TUBE FRAMING AT THE EXISTING SECOND FLOOR DECK TO SUPPORT CHAINLINK FENCING (AREA TAKEN AS SOLID FOR WIND DESIGN). 2. DESIGN LOAD CRITERIA:

GRAVITY LOADS	
DEAD LOADS	ACTUAL BUILDING & STRUCTURE WEIGHTS
ROOF LIVE LOAD	20 PSF (REDUCIBLE)
TYPICAL FLOOR LIVE LOAD	50 PSF (REDUCIBLE) + 15 PSF PARTITIONS
FLOOR LIVE LOAD - EXIT FACILITIES	100 PSF (NOT REDUCIBLE)
ULTIMATE WIND LOADS	
RISK CATEGORY	IV (T.1604A.5)
EXPOSURE CATEGORY	С
INTERNAL PRESSURE COEFFICIENT, GCpi	±0.18 PER T. 26.13-1 (ENCLOSED)
DESIGN WIND SPEED, VULT, VASD	107 MPH PER ATC TOOL, 83 MPH PER EQN 16A-33
ULTIMATE SEISMIC LOADS (COMPONENTS)	
IMPORTANCE FACTOR, IP	1.5 (RISK CATEGORY IV, T.1604A.5)
MAPPED SPECTRAL ACCELERATIONS	S _S = 2.05g, S ₁ = 0.81g
SITE CLASS	D (DEFAULT)
DESIGN SPECTRAL RESPONSE COEFFICIENTS	S_{DS} = 1.64g, S_{D1} = NULL
SEISMIC DESIGN CATEGORY	F
SEISMIC HEIGHT RATIO, z/h	2nd FLR: 0.33, 3rd FLR/LOW ROOF: 0.67

3. ULTIMATE WIND PRESSURES FOR COMPONENTS & CLADDING (ASCE7, CH. 30, PART 1): A. WALL ELEMENTS (ASCE7, FIGURE 30.3-1):

TRIBUTARY AREA) ZONE 4 (P؟		ZONE 5 (0 (PS	CORNER) SF)
10 SF	+31.0 -33.6		+31.0	-41.5
20 SF	+29.7	-32.3	+29.7	-38.8
50 SF	+24.2	-31.0	+24.2	-34.9
100 SF	+25.7	-29.7	+25.7	-32.3
200 SF	+25.7	-28.3	+25.7	-29.7

≥500 SF +23.1 -25.7 +23.1 -25.7 B ROOF FI FMENTS (ASCE7, FIGURE 30.3-2A):

B. ROOF ELEMENTS (ASCE7, FIGURE					
TYP (ZONES 2 &3) (PSF)					
+31.0	-65.1				
+29.7	-61.2				
+28.3	-54.6				
+25.7	-52.0				
+25.7	-46.7				
+23.1	-41.5				
	TYP (ZON (PS +31.0 +29.7 +28.3 +25.7 +25.7				

EXISTING CONSTRUCTION

- 1. THE CONTRACTOR SHALL REMOVE ALL INTERFERING ITEMS FOR NEW CONSTRUCTION AND SHALL REPAIR OR REPLACE ALL REMOVED ITEMS TO MATCH THE EXISTING CONDITIONS IN ACCORDANCE WITH THE ARCHITECTURAL
- DRAWINGS. 2. INFORMATION SHOWN ON THE DRAWINGS RELATED TO EXISTING CONDITIONS REPRESENTS THE PRESENT KNOWLEDGE, BUT WITHOUT GUARANTEE OF ACCURACY. REPORT CONDITIONS THAT CONFLICT WITH THE
- CONTRACT DOCUMENTS TO THE ARCHITECT AND SEOR. DO NOT DEVIATE FROM THE CONTRACT DOCUMENTS WITHOUT WRITTEN DIRECTION FROM THE ARCHITECT AND/ OR SEOR.

NON-SHRINK GROUT

1. NON-SHRINK GROUT SHALL HAVE A MINIMUM STRENGTH OF 7,000 PSI. ACCEPTABLE GROUTS INCLUDE: A. EUCLID CHEMICAL COMPANY: EUCO-NS B. L&M: CRYSTEX MASTERFLOW 713

C. MASTER BUILDERS: D. FIVE STAR GROUT

STRUCTURAL STEEL

1. DETAIL, FABRICATE AND ERECT IN ACCORDANCE WITH AISC "SPECIFICATION FOR STRUCTURAL STEEL FOR BUILDINGS", LATEST EDITION. 2. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING UNLESS OTHERWISE NOTED:

SECTIONS	ТҮРЕ
CHANNELS, ANGLES & PLATES	ASTM A36
COLD FORMED HOLLOW STRUCTURAL SECTIONS (HSS)	ASTM A500, GR B
MACHINE BOLTS (MB)	ASTM A307, GR A
NUTS (HEAVY HEX)	ASTM A563
WASHERS	ASTM F436

3. PROVIDE NATURAL CAMBER UP, EXCEPT AT CANTILEVERS UNLESS OTHERWISE NOTED. AT CANTILEVERS, PROVIDE CAMBER SUCH THAT THE TIP OF THE CANTILEVER IS ABOVE THE FINAL ELEVATION. 4. SPLICE MEMBERS ONLY WHERE INDICATED.

- 5. DIAMETER OF BOLT HOLE SHALL BE 1/16" LARGER THAN THE BOLT'S DIAMETER UNLESS OTHERWISE NOTED. USE STANDARD AISC GAGE AND PITCH FOR BOLTS UNLESS OTHERWISE NOTED. 6. PROVIDE BEVELED WASHERS ON SLOPING SURFACE OF CONNECTIONS FOR FULL BEARING.
- 7. DURING FABRICATION OF STEEL MEMBERS WITH DRILLED HOLES TO ACCOMMODATE CONCRETE OR MASONRY ANCHORS, THE DRILLING MUST BE DONE AFTER THE ANCHORS HAVE BEEN INSTALLED. DRILLED HOLES IN STEEL MEMBERS SHALL MATCH THE LOCATION OF INSTALLED ANCHORS. . HOT DIP GALVANIZE STRUCTURAL STEEL AND FASTENERS THAT ARE PERMANENTLY EXPOSED TO THE WEATHER IN
- ACCORDANCE WITH ASTM A123 AND ASTM A153. REPAIR GALVANIZING AFTER WELDING IN ACCORDANCE WITH ASTM A780. 9. THE CONTRACTOR SHALL SUBMIT ALL STRUCTURAL STEEL AND MISCELLANEOUS STEEL SHOP DRAWINGS TO THE
- SEOR FOR APPROVAL PRIOR TO FABRICATION. 10. ALL STRUCTURAL STEEL SHALL BE ERECTED PLUMB AND TRUE TO LINE. TEMPORARY BRACING SHALL BE
- INSTALLED AND SHALL BE LEFT IN PLACE UNTIL OTHER MEANS ARE PROVIDED TO ADEQUATELY BRACE THE STRUCTURE.
- 11. TOP OF STEEL (TOS) ELEVATIONS INDICATED ON THE DRAWINGS ARE GIVEN AS AN AID TO THE CONTRACTOR. THE CONTRACTOR MUST VERIFY THE DIMENSIONS PRIOR TO THE AOR AND SEOR REVIEW OF THE STRUCTURAL STEEL SHOP DRAWINGS. THE SEOR ASSUMES NO RESPONSIBILITY FOR TOP OF STEEL ELEVATIONS. 12. MANUFACTURER'S CERTIFIED MILL TEST REPORTS SHALL BE SUBMITTED FOR REVIEW.

STRUCTURAL STEEL WELDING

- 1. WELDERS SHALL BE CERTIFIED BY THE AWS AND THE GOVERNING JURISDICTION.
- STEEL JOINTS UNLESS A LARGER WELDING SIZE IS SPECIFIED ON THE PLANS.
- COMPLETE PENETRATION WELDS UNLESS OTHERWISE NOTED. 4. WHERE FIELD WELDING IS NOTED, THE DESIGNATION IS GIVEN AS A SUGGESTED CONSTRUCTION PROCEDURE
- ONLY. 5. ARC-WELDING ELECTRODES/ FILLER METALS SHALL BE LOW HYDROGEN TYPES E7XTX, E7XTXX OR E70XXX MINIMUM AS APPLICABLE. ELECTRODES WITH CHARPY V-NOTCH (CVN) TEST VALUES OF A MINIMUM OF 20 FT-LB
- AT -20 DEG F ARE TO BE USED AT COMPLETE JOINT PENETRATION (CJP) WELDS. 6. FACES OF FILLET WELDS NOT EXPOSED TO VIEW SHALL HAVE AS-WELDED SURFACES THAT ARE REASONABLY SMOOTH AND UNIFORM. NO FINISHING OR GRINDING SHALL BE REQUIRED EXCEPT WHERE CLEARANCES OR FIT OF
- OTHER ITEMS MAY SO NECESSITATE. 7. ALL COMPLETE AND PARTIAL PENETRATION WELDS WHICH ARE EXPOSED TO VIEW SHALL BE GROUND SMOOTH AND FLUSH WITH FINISH SURFACE OF STEEL. HOLES SHALL BE FILLED WITH WELD METAL AND SMOOTHED BY GRINDING OR FILING.
- 8. CLEAN GROOVE PREPARATION THERMAL CUTS BY GRINDING. 9. WELDS SHALL BE TERMINATED AT THE END OF A JOINT IN A MANNER THAT WILL ENSURE SOUND WELDS. 10. TO ASSURE THE PROPER AMPERAGE AND VOLTAGE OF THE WELDING PROCESS, A HAND HELD CALIBRATED AMP AND VOLT METER SHALL BE USED. AMPERAGE AND VOLTAGE SHALL BE MEASURED AT THE ARC WITH THIS EQUIPMENT. TRAVEL SPEED AND ELECTRODE STICK OUT SHALL BE VERIFIED TO BE IN COMPLIANCE WITH THE ELECTRODE MANUFACTURER'S RECOMMENDATIONS AND WITH THE APPROVED WELDING PROCEDURE SPECIFICATION.

WELDING INSPECTION & TESTING

- 1. IN ADDITION TO VISUAL INSPECTION AND REVIEW OF CONTRACTOR'S FABRICATION AND ERECTION REPORTS, THE OWNER'S STEEL TESTING AGENCY SHALL PERFORM THE INDICATED INSPECTION AND TESTING. THE STEEL TESTING AGENCY SHALL BE CERTIFIED BY THE BUILDING AUTHORITY AND SHALL PROVIDE REGISTERED INSPECTORS FOR CONTINUOUS INSPECTION OF ALL STEEL FABRICATION AND ERECTION, STRUCTURAL WELDING AND TESTING OF MATERIALS.
- 2. ULTRASONIC TESTING IS REQUIRED FOR ALL COMPLETE AND PARTIAL PENETRATION WELDS. 3. ALL WELDS SHALL BE VISUALLY INSPECTED AND PERIODICALLY MEASURED.
- THE ELECTRODE MANUFACTURER'S RECOMMENDATIONS. 5. SEE TIO FOR ADDITIONAL INFORMATION.

WELDING SUBMITTALS

- 1. PROVISION FOR WELDING HEAT EFFECTS: A SEQUENCE OF FIELD WELDING SHALL BE PLANNED TO MINIMIZE RESIDUAL STRESSES AND DISTORTION AND SHALL BE SUBMITTED TO THE SEOR AT TIME OF SHOP DRAWING SUBMITTAL. ANY PROPOSED DEVIATIONS FROM THE DETAILS SHOWN ON THE DRAWINGS SHALL BE APPROVED BY THE SEOR. THE PROCEDURES AND THE DETAILS USED SHALL RESULT IN COMPLETED CONNECTIONS, WHICH ARE IN FULL COMPLIANCE WITH THE INTENT OF THE DETAILS SHOWN ON THE DRAWINGS. THE SEQUENCE OF FIELD WELDING, BOTH IN THE JOINTS AND FRAMES AS A WHOLE, SHALL BE SUBMITTED TO THE BUILDING AUTHORITY
- 2. A WRITTEN WELDING PROCEDURE SPECIFICATION PER AWS SHALL BE DEVELOPED BY THE CONTRACTOR AND REVIEWED/STAMPED BY A CERTIFIED WELDING INSPECTOR (CWI), THEN SUBMITTED TO THE SEOR FOR APPROVAL.
- THE APPROVED WPS WILL THEN BE SUBMITTED TO OSHPD FOR FINAL APPROVAL. 3. ALL WELDED JOINTS SHALL BE PRE-QUALIFIED PER AWS. NON PRE-QUALIFIED WELDED JOINTS SHALL BE
- QUALIFIED BY TEST AND PROCEDURE QUALIFICATION TEST RECORD PER AWS. 4. THE WELDING PROCEDURE SPECIFICATION SHALL INCLUDE THE WELDING PARAMETERS RECOMMENDED BY THE ELECTRODE MANUFACTURER AND SHALL INCLUDE THE FOLLOWING: A. THE NECESSARY INFORMATION REQUIRED BY THE CODE AND ANY OTHER INFORMATION NECESSARY TO PRODUCE WELDS.
- B. THE APPLICABLE BASE METAL TYPES AND THICKNESS. C. THE WELDING JOINT DETAILS INCLUDING JOINT TYPE, WELD TYPE, JOINT GEOMETRY AND APPLICABLE DIMENSIONS.
- E. THE SEQUENCE OF DEPOSITION.
- F. THE APPLICABLE WELDING PROCESS. G. THE POSITION OF WELDING.
- H. THE FILLER METAL, ELECTRODE SPECIFICATION, CLASSIFICATION AND DETAILS REGARDING SHIELDING MATERIAI
- J. THE APPLICABLE ELECTRICAL CHARACTERISTICS FOR THE PROCESS. K. THE SPECIFIC VALUES REQUIRED FOR EACH WELDING PASS.
- L. THE ELECTRODE TYPE AND DIAMETER. ALL ELECTRODES SHALL BE LOW HYDROGEN TYPES. M. THE TYPE OF CURRENT AND ACCEPTABLE RANGES OF CURRENT MEASURED IN AMPERAGE.
- FEED PROCESSES. O. THE VOLTAGE.
- P. THE ACTUAL FIELD TRAVEL SPEED AND MANUFACTURER'S DATA FOR TRAVEL SPEED. Q. THE ELECTRODE EXTENSION FOR WIRE FEED PROCESSES.
- R. THE AMPERAGE, VOLTAGE, ELECTRODE EXTENSION AND ACCEPTABLE RANGES OF MANUFACTURER'S RECOMMENDATIONS. S. THE ELECTRODE MANUFACTURER'S TECHNICAL INFORMATION.

EXPANSION (WEDGE) ANCHORS

- 1. WHEN INSTALLING DRILLED-IN ANCHORS IN NON-PRESTRESSED CONCRETE, USE CARE AND CAUTION TO AVOID
- CUTTING OR DAMAGING THE EXISTING REINFORCING. 2. EXPANSION ANCHORS INTO CONCRETE SHALL BE HILTI KB-TZ (ICC ESR-1917).
- 3. INSTALL ANCHORS IN ACCORDANCE WITH THE ICC REPORT. 4. PROVIDE STAINLESS STEEL FASTENERS (EXTERIOR USE). 5. IF REINFORCEMENT IS ENCOUNTERED DURING DRILLING, ABANDON HOLE AND SHIFT LOCATION TO AVOID THE
- REINFORCEMENT. PROVIDE A MINIMUM OF TWO ANCHOR DIAMETERS OR 1", WHICHEVER IS LARGER, OF SOUND CONCRETE BETWEEN THE ANCHOR AND THE ABANDONED HOLE. FILL THE ABANDONED HOLE WITH NON-SHRINK
- GROUT. IF THE ANCHOR MAY NOT BE SHIFTED AS NOTED ABOVE, CONTACT THE SEOR. 6. LOCATE REINFORCEMENT AND CONFIRM FINAL ANCHOR LOCATIONS PRIOR TO FABRICATING PLATES, MEMBERS R OTHER STEEL ASSEMBLIES ATTACHED WITH ANCHORS.

	7. INSTALL ANCHORS TO T	-	OWING SPECIFICATIONS:
	HILTI KB-TZ ANCHO	R	
	ANCHOR DIAMETER (IN)	1/2	
I			

EFFECTIVE EMBED, hef (IN	2
NOMINAL EMBED, hnom (IN) 2 ³ / ₈
MIN HOLE DEPTH, h _o (IN)	2 ⁵ /8
INSTALL TORQUE (LB-FT)	40
MIN THICKNESS, h _{min} (IN)	4
MIN EDGE DIST, c _{min} (IN)	2¾
MIN SPACING, smin (IN)	2¾

- 8. MAINTAIN A MINIMUM EDGE DISTANCE PER TABLE ABOVE AND MINIMUM ANCHOR SPACING OF 3 TIMES THE ANCHOR EMBEDMENT UNLESS OTHERWISE NOTED. CONTACT SEOR IF THIS CANNOT BE ACCOMPLISHED. 9. ANCHORS SHALL BE PROOF TESTED BY OWNER'S INDEPENDENT TESTING AND INSPECTION AGENCY WITH THE
- FOLLOWING FREQUENCIES: A. STRUCTURAL APPLICATIONS: 100%
- B. NONSTRUCTURAL APPLICATIONS: 50% OR ALTERNATE BOLTS IN A GROUP.
- 10. TEST THE ANCHORS TO THE INSTALLATION TORQUES SHOWN IN THE TABLE ABOVE WITHIN THE LIMIT OF ONE-HALF TURN OF THE NUT USING THE TORQUE WRENCH METHOD. 11. IF ANY ANCHOR FAILS TESTING, REPLACE ANCHOR AND TEST ADDITIONAL ANCHORS INSTALLED BY THE SAME
- TRADE NOT PREVIOUSLY TESTED UNTIL 20 CONSECUTIVE ANCHORS PASS, THEN RESUME INITIAL TESTING FREQUENCY.

12. ALL TESTS SHALL BE PERFORMED IN THE PRESENCE OF THE INSPECTOR OF RECORD. 13. SPECIAL INSPECTIONS OF POST-INSTALLED ANCHOR INSTALLATIONS MUST BE PERFORMED BY AN APPROPRIATELY QUALIFIED SPECIAL INSPECTOR EMPLOYED BY AN APPROVED AGENCY RETAINED BY THE HOSPITAL OWNER.

POWER ACTUATED FASTENERS (PAF) IN STRUCTURAL STEEL

- 1. PAF SHALL BE HILTI X-U (0.157" DIAMETER) WITH WASHER PER ICC ESR-2269 (SEE ICC REPORT FOR REQUIREMENTS
- INTO STEEL FRAMING) UON. 2. MAINTAIN 1/2" MINIMUM EDGE DISTANCE AND 1" MINIMUM SPACING IN STEEL. CONTACT SEOR IF THIS CANNOT BE ACCOMPLISHED. 3. FASTENERS SHALL NOT BE USED TO RESIST SUSTAINED TENSION LOADS OR FOR BRACE APPLICATIONS (SEISMIC
- TENSION) EXCEPT SUSPENDED CEILING APPLICATIONS AND DISTRIBUTED SYSTEMS WITH SERVICE LOAD LIMITED TO 90 LBS PER ICC REPORT, SECTION 4.1.6 ITEM 2.

STRUCTURAL TESTS & SPECIAL INSPECTIONS - SEE TIO

STRUCTURAL OBSERVATION PROGRAM - SEE TIO

2. USE THE MINIMUM SIZE OF WELDING IN ACCORDANCE WITH AISC MANUAL OF STEEL CONSTRUCTION AT STEEL TO 3. WHERE LENGTH OF WELDING IS NOT SHOWN, IT SHALL BE FULL LENGTH OF JOINT. ALL BUTT WELDS SHALL BE

4. AMPERAGE, VOLTAGE, POLARITY, AND ELECTRODE STICK OUT SHALL BE VERIFIED TO BE IN COMPLIANCE WITH

FOR APPROVAL. NO FIELD WELDING SHALL BE PERFORMED PRIOR TO BUILDING AUTHORITY'S APPROVAL.

D. THE WELD PASSES IN SKETCH INCLUDING LAYER THICKNESS (1/4" MAXIMUM) AND BEAD WIDTH (1/4" MAXIMUM).

THE MINIMUM PRE-HEAT REQUIREMENTS, INTERPASS TEMPERATURES AND POST WELD HEAT TREATMENT.

N. THE MANUFACTURERS' RECOMMENDED MELT-OFF RATE, DEPOSITION RATE AND WIRE FEED SPEED FOR WIRE

ABBREVIA	ATIONS

A.A. ADHESIVE ANCHOR FN FIELD NAIL

A.A.	ADHESIVE ANCHOR	FN	FIELD NAIL	PSL	PARALLEL STRAND LUMBER
AB	ANCHOR BOLT	FO	FACE OF	PT	PRESSURE TREATED
ABV	ABOVE	FOC	FACE OF CONCRETE	R, RAD	RADIUS
A.D.	ADHESIVE DOWEL	FOM	FACE OF MASONRY	REINF	REINFORCEMENT
ADDL	ADDITIONAL	FOS	FACE OF STUD	REQD	REQUIRED
ADJ	ADJACENT	FOW	FACE OF WALL	RJ	ROOF JOIST
AFF	ABOVE FINISH FLOOR	FS	FAR SIDE, FIELD SCREW	RO	ROUGH OPENING
ALT	ALTERNATE	FTG	FOOTING	RR	ROOF RAFTER
ATR	ALL-THREAD ROD	GA, ga	GAGE, GAUGE	R/R	REMOVE & REPLACE
BLDG	BUILDING	GALV	GALVANIZED	RS	ROUGH SAWN
BLKG	BLOCKING	GLB	GLU-LAM BEAM	S.A.D.	SEE ARCH DOCUMENTS
BLW	BELOW	GYP BD	GYPSUM BOARD	SC	SLIP-CRITICAL
BM	BEAM	HD	HOLDOWN	S.C.D.	SEE CIVIL DOCUMENTS
BN	BOUNDARY NAIL	HDR	HEADER	SCHED	SCHEDULE
BOF	BOTTOM OF FOOTING	HDG	HOT DIPPED GALVANIZED	SECT	SECTION
BOT	BOTTOM	HGR	HANGER	S.E.D.	SEE ELEC DOCUMENTS
BRG	BEARING	HORIZ, (H)	HORIZONTAL	SEOR	STRUCTURAL ENGINEER OF RECORD
BSMT	BASEMENT	HI	HIGH	SHT	SHEET
BTWN	BETWEEN	HP	HIGH POINT	SHTG	SHEATHING
С	CHANNEL, CAMBER	HSB	HIGH STRENGTH BOLT	SIM	SIMILAR
CANT	CANTILEVER(ED)	HSS	HOLLOW STRUCTURAL STEEL	SL	SLOPE
CIP	CAST-IN-PLACE	HT	HEIGHT	S.M.D.	SEE MECH DOCUMENTS
CJ	CONTROL JOINT, CLG JOIST	JT	JOINT	SMS	SHEET METAL SCREW
CJP	COMPLETE JOINT PENETRATION	K	KIPS, 1000#	S.O.G.	SLAB ON GRADE
CL	CENTERLINE	KP	KING POST	S.P.D.	SEE PLUMB DOCUMENTS
CLG	CEILING	L	ANGLE	SPEC	SPECIFICATION(S)
CLR	CLEAR	LB(S), #	POUND	SQ	SQUARE
CMU	CONCRETE MASONRY UNIT	Ld	DEVELOPMENT LENGTH	SS	STAINLESS STEEL
COL	COLUMN	Ldh	HOOKED DEVELOPMENT LENGTH	ST	SNUG-TIGHTENED
CONC	CONCRETE	LLBB	LONG LEG BACK-TO-BACK	STAG	STAGGER(ED)
CONN	CONNECTION	LLH	LONG LEG HORIZONTAL	STD	STANDARD
CONST	CONSTRUCTION	LLV	LONG LEG VERTICAL	STL	STEEL
CONT	CONTINUOUS	LO	LOW	STRUC	STRUCTURAL
CTSK	COUNTERSINK	LOC	LOCATION	SUSP	SUSPENDED
CTR	CENTER(ED)	LONG	LONGITUDINAL	SW	SHEAR WALL
DBL	DOUBLE	LP	LOW POINT	T&B	TOP AND BOTTOM
DEMO	DEMOLISH, DEMOLITION	Ls	LAP SPLICE LENGTH	T&G	TONGUE AND GROOVE
DET	DETAIL	LSL	LAMINATED STRAND LUMBER	THK	THICK(NESS)
			LAMINATED VENEER LUMBER		
DF	DOUGLAS FIR	LVL		THD	THREADED
DIA, Φ	DIAMETER	LWC	LIGHTWEIGHT CONCRETE	TN	TOE NAIL
DIAG	DIAGONAL	MB	MACHINE BOLT	TO	TOP OF
DIAPH	DIAPHRAGM	MDL	MODEL	TOC	TOP OF CONCRETE
DIM	DIMENSION	MEP	MECH, ELEC & PLUMBING	TOF	TOP OF FOOTING
DIST	DISTANCE	MFR	MANUFACTURER	TOFR	TOP OF FRAMING
DN	DOWN	MTL	METAL	TOS	TOP OF STEEL
DO	DITTO (REPEAT)	(N)	NEW	TOT	TOTAL
DWG(S)	DRAWING(S)	NF	NEAR FACE	TOW	TOP OF WALL
(E), EXIST	EXISTING	NIC	NOT IN CONTACT	TRANS	TRANSVERSE
EA	EACH	NO, #	NUMBER	TS	TOP OF SHEATHING
E.A.	EXPANSION ANCHOR	NS	NEAR SIDE	TSG	TAPERED STEEL GIRDER
EF	EACH FACE	NSG	NON SHRINK GROUT	TYP	TYPICAL
EJ	EXPANSION JOINT	NTS	NOT TO SCALE	UON	UNLESS OTHERWISE NOTED
EA	EACH	NWC	NORMALWEIGHT CONCRETE	VERT,(V)	VERTICAL
ELEV	ELEVATOR, ELEVATION	OC	ON CENTER	VIF	VERIFY IN FIELD
EMB(ED)	EMBEDMENT	OH	OPPOSITE HAND	W	WIDE FLANGE
					WITH
EN	EDGE NAIL	OPNG	OPENING	w/	
EQ	EQUAL	OWSJ	OPEN WEB STEEL JOIST	w/o	WITHOUT
ES	EACH SIDE, EDGE SCREW	PAF	POWER ACTUATED FASTENER	WHS	WELDED HEADED STUD
EW	EACH WAY	PCF	POUNDS/ CUBIC FEET	WP	WORK POINT
EXT	EXTERIOR	PERP	PERPENDICULAR	WS	WOOD SCREW
FDN	FOUNDATION	PJP	PARTIAL JOINT PENETRATION	WU	WEIGHT
FF	FINISHED FLOOR	PL	PLATE	WTS	WELDED THREADED STUD
FG	FINISHED GRADE	PP	PER PLAN	WWF	WELDED WIRE MESH
FJ	FLOOR JOIST	PSF	POUNDS/ SQUARE FOOT	XS	EXTRA STRONG
FLR	FLOOR	PSI	POUNDS/ SQUARE INCH	XXS	DOUBLE EXTRA STRONG

PSL PARALLEL STRAND LUMBER



ARCHITECT

PROJECT **COLTON, CA 92324**



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DRAWING INDEX S001 GENERAL NOTES S101 PLANS & DETAILS S501 DETAILS

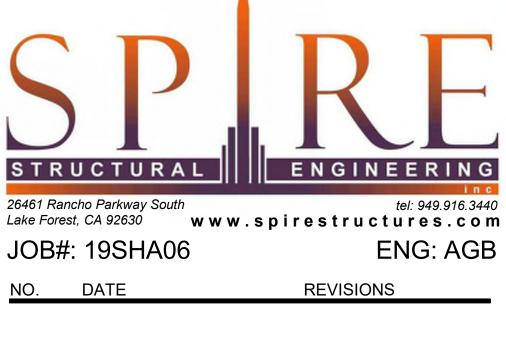


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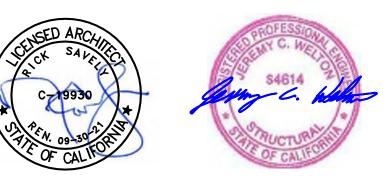
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CHAIN LINK FENCE ENCLOSURE-**BEHAVIORAL HEALTH**



PROFESSIONAL SEALS



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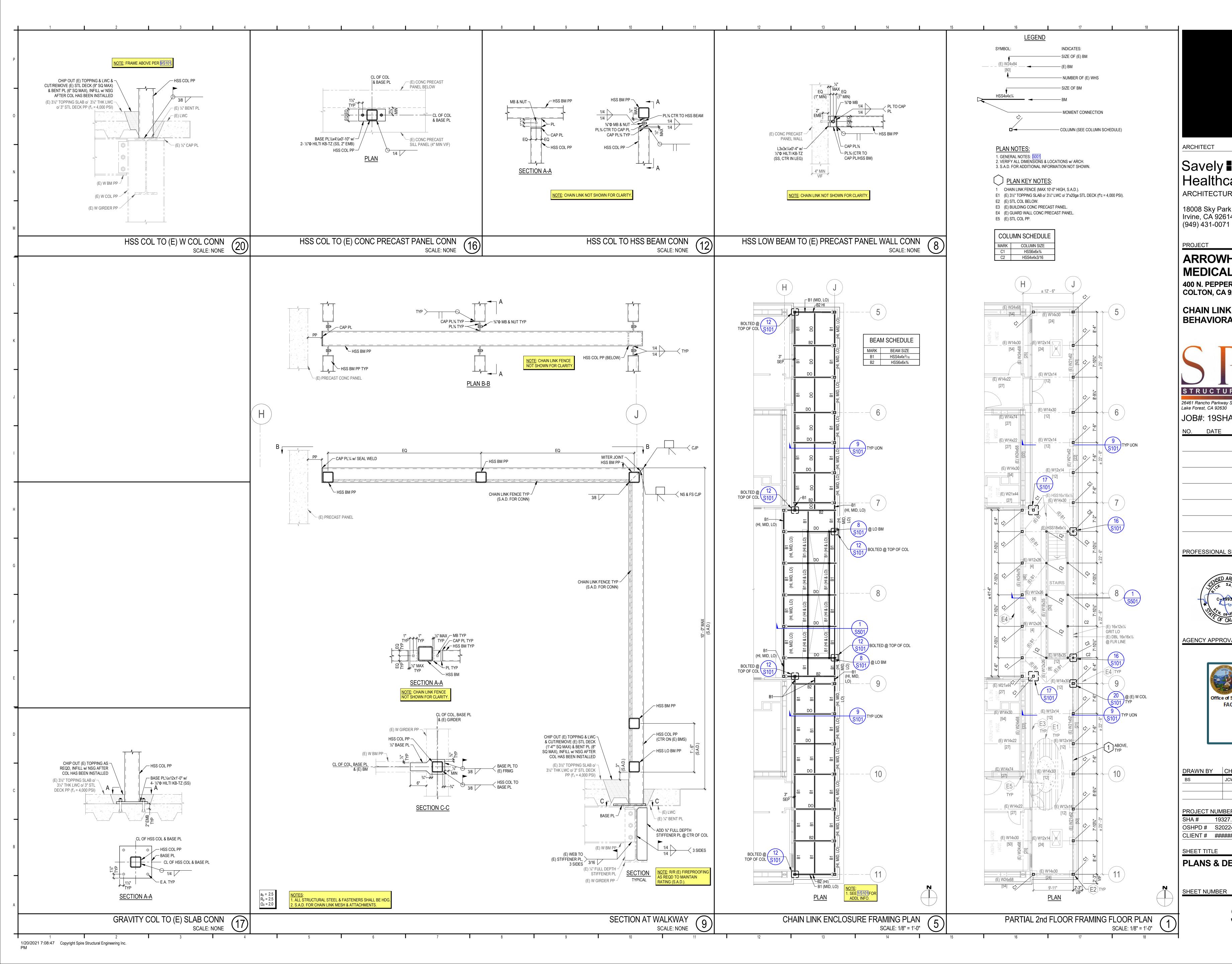


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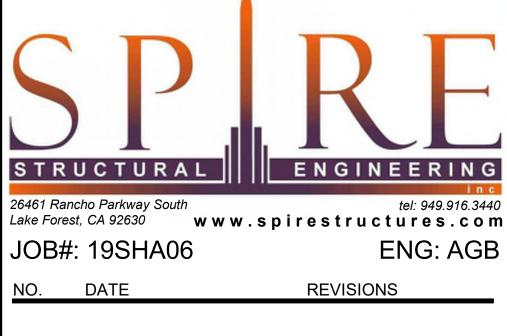


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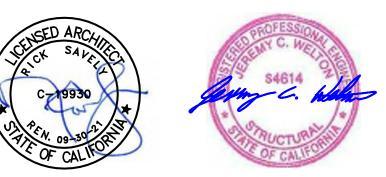
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CHAIN LINK FENCE ENCLOSURE-**BEHAVIORAL HEALTH**



PROFESSIONAL SEALS



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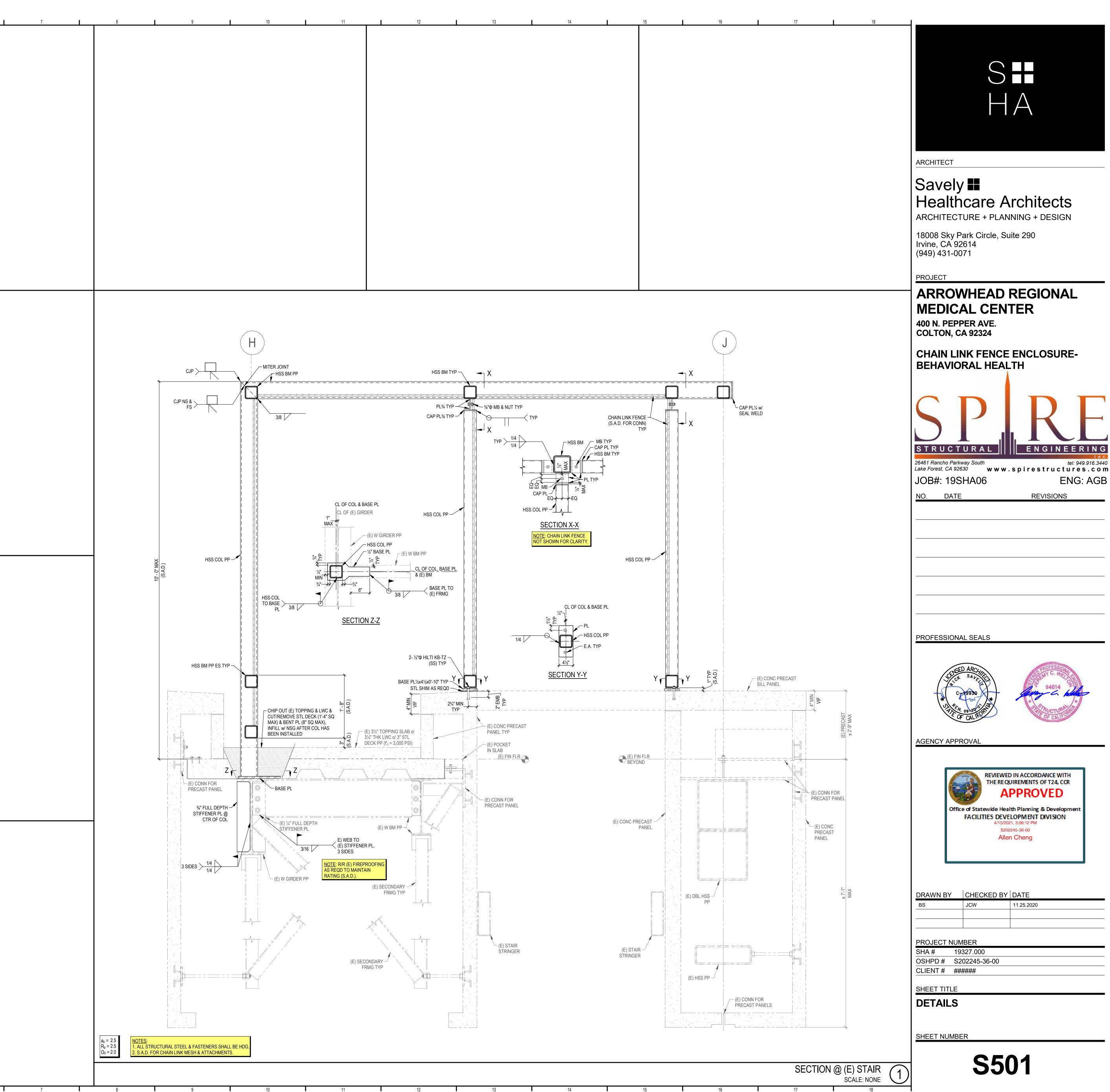


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PLANS & DETAILS



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