3/28/2025 2:30:25 PM TAYLOR & ASSOCIATES ARCHITECTS IF THIS DRAWING IS NOT 30"x42" IT HAS BEEN MODIFIED

ABBREVIATIONS

SYMBOLS:

∠	ANGLE
℄	CENTERLINE
#	POUND OR NUMBER

TERMS AND MATERIALS:

AB	ANCHORBOLT
AC	ASPHALTIC CONCRETE (PAVEMENT)
ACC	ACCESSIBLE
ACD	AMENDED CHANGE ORDER DOCUMENT (OSHPD)
ACOUS	ACOUSTICAL
ACT	ACOUSTIC CEILING TILE
AD	AREA DRAIN
ADJ	ADJUSTABLE
AFF	ABOVE FINISH FLOOR
AGGR	AGGREGATE
AL	ALIGN
ALUM	ALUMINUM
AMC	ALTERNATE MEANS OF COMPLIANCE
ANOD	ANODIZED
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
ASI	ARCHITECTURAL SUPPLEMENTAL INSTRUCTION
ASPH	ASPHALT
A/V	AUDIO-VISUAL
BD	BOARD
BITUM	BITUMINOUS
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BM	BEAM
BMP	BEST MANAGEMENT PRACTICES
BO	BOTTOM OF...
BOC	BACK OF CURB
BOD	BASIS OF DESIGN
BOT	BOTTOM
BOW	BOTTOM OF WALL BACK OF WALL
BS	BOTTOM OF SLOPE
BSMT	BASEMENT
BYND	BEYOND
CA	CLEAR ANODIZED
CAC	CALIFORNIA ADMINISTRATIVE CODE
CAB	CABINET
CB	CATCH BASIN
CBC	CALIFORNIA BUILDING CODE
CCD	CONSTRUCTION CHANGE DIRECTIVE
CEM	CEMENT
CER	CERAMIC
CI	CASTIRON
CIP	CASTINPLACE
CIV ENG	CIVIL ENGINEER
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CG	CORNER GUARD
CHNL	CHANNEL
CJ	CONTROL JOINT
CLG	CEILING
CLKG	CAULKING
CLO	CLOSET
CLR	CLEAR
CNTR	COUNTER
CO	CASED OPENING
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONSTR	CONSTRUCTION
CONT	CONTINUOUS
COMPR	COMPRESSIBLE
CPT	CARPET
CORR	CORRIDOR
CT	CERAMIC TILE
CTR	CENTER
CTSK	COUNTER SUNK
CTYD	COURTYARD
DBL	DOUBLE
DEMO	DEMOLISH OR DEMOLITION
DEPT	DEPARTMENT
DESC	DESCRIPTION
DF	DRINKING FOUNTAIN
DET	DETAIL
DIA	DIAMETER
DIM	DIMENSION
DISP	DISPENSER
DIST	DISTANCE
DN	DOWN
DO	DOOR OPENING
DR	DOOR
DS	DOWNSPOUT
DSI	DEFERRED SUBMITTAL ITEM
DSP	DRY STANDPIPE
DWG	DRAWING
DWR	DRAWER
E	EAST
(E)	EXISTING
EA	EACH
EJ	EXPANSION JOINT
EL/ELEV	ELEVATION
ELEC	ELECTRICAL
ELV	ELEVATOR
EMER	EMERGENCY
ENCL	ENCLOSURE
EP	ELECTRICAL PANELBOARD
EPDM	ETHYLENE PROPYLENE DIENE M-CLASS (ROOFING)
EQ	EQUAL
EQUIP	EQUIPMENT
ES	EACH SIDE
EWC	ELECTRIC WATER COOLER
EXPO	EXPOSED
EXP	EXPANSION
EXT	EXTERIOR
FA	FIRE ALARM
FB	FLAT BAR
FD	FLOOR DRAIN OR FIRE DEPARTMENT
FDC	FIRE DEPARTMENT CONNECTION
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISH FLOOR
FHC	FIRE HOSE CABINET
FIN	FINISH
FIXT	FIXTURE
FL	FLOOR LINE
FLR	FLOOR
FLASH	FLASHING
FLUOR	FLUORESCENT
FO	FACE OF...
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FOV	FACE OF VENEER
FOW	FACE OF WALL
FR	FIRE RETARDANT
FPRF	FIREPROOF
FS	FINISH SURFACE
FT	FOOT OR FEET
FTG	FOOTING OR FROSTED TEMPERED GLASS
FTDF	FIRE TREATED DOUGLAS FIR
FURR	FURRING
FUT	FUTURE
FV	FIELD VERIFY
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GI	GALVANIZED IRON
GL	GLASS
GND	GROUND
GPR	GROUND PENETRATING RADAR
GR	GRADE
GWB	GYPSUM WALL BOARD
GYP	GYPSUM
HB	HOSE BIB
HC	HOLLOW CORE
HDR	HEADER
HDWD	HARDWOOD
HDW	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HP	HIGH POINT / HIGH PRESSURE
HR	HOUR
HT/HGT	HEIGHT
HSS	HOLLOW STRUCTURAL SECTION
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING
ID	INSIDE DIAMETER
IIC	IMPACT ISOLATION CLASS
IN	INCH OR INCHES
INSUL	INSULATED OR INSULATION
INT	INTERIOR

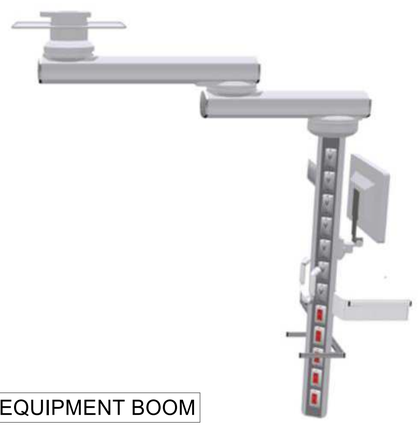
TERMS AND MATERIALS CONTINUED:

JAN	JANITOR
JT	JOINT
KIT	KITCHEN
LAB	LABORATORY
LAM	LAMINATE
LAND	LANDSCAPE ARCHITECT
LAV	LAVATORY
LBS	POUNDS
LKR	LOCKER
LVT	LUXURY VINYL TILE
LT	LIGHT
LTWT	LIGHT WEIGHT
LP	LOW POINT / LOW PRESSURE
MATL	MATERIAL
MAX	MAXIMUM
MC	MEDICINE CABINET
MDF	MEDIUM DENSITY FIBERBOARD
MECH	MECHANICAL
MEMB	MEMBRANE
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MTD	MOUNTED
MTL	METAL
MUL	MULLION
N	NORTH
(N)	NEW
N/A	NOT APPLICABLE
NIC	NOISE ISOLATION CLASS
NIS	NOT IN SCOPE
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
O/A	OVERALL
OA	OUTSIDE AIR
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFF	OFFICE
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
OPNG	OPENING
OPP	OPPOSITE
OSA	OUTSIDE AIR
OZ	OUNCE
(P)	PAINT OR PAINTED
PA	PLANTING AREA
PCC	PRE-CAST CONCRETE
PDF	PORTABLE DOCUMENT FORMAT
PH	PANIC HARDWARE
PL	PLATE STEEL / STEEL PLATE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLUMB	PLUMBING
PWD	PLYWOOD
PPD	PER PLUMBING DRAWINGS
PR	PAIR
PT	PRESSURE TREATED
PTD	PAPER TOWEL DISPENSER
PTDR	COMBINATION PAPER TOWEL DISPENSER & RECEPTACLE
PTDF	PRESSURE TREATED DOUGLAS FIR
PTN	PARTITION
PTR	PAPER TOWEL RECEPTACLE
PVC	POLYVINYL CHLORIDE
QT	QUARRY TILE
(R)	REMOVE
R	RISER
RAD	RADIUS
RBR	RUBBER
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REF	REFERENCE
REFR	REFRIGERATOR
REINF	REINFORCED
REQD	REQUIRED
RESIL	RESILIENT
RFI	REQUEST FOR INTERPRETATION
RGTR	REGISTER
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RWD	REDWOOD
RWL	RAIN WATER LEADER
REV	REVISION
SAD	SEE ARCHITECTURAL DRAWINGS
S	SOUTH
SC	SOLID CORE
SCD	SEAT COVER DISPENSER
SCHED	SCHEDULE
SD	SOAP DISPENSER
SECT	SECTION
SF	SQUARE FEET
SH	SHELF
SHR	SHOWER
SHT	SHEET
SIM	SIMILAR
SM	SHEET METAL
SMS	SHEET METAL SCREW
SND	SANITARY NAPKIN DISPENSER
SNR	SANITARY NAPKIN RECEPTACLE
SPEC	SPECIFIED OR SPECIFICATION(S)
SPK	SPRINKLER OR SPEAKER
SQ	SQUARE
SS	STAINLESS STEEL
SSK	SERVICE SINK
STA	STATION
STC	SOUND TRANSMISSION COEFFICIENT
STD	STANDARD
STL	STEEL
STOR	STORAGE
STR	STRUCTURE
STRUCT	STRUCTURE OR STRUCTURAL
SUSP	SUSPENDED
SWPPP	STORM WATER POLLUTION PROTECTION PLAN
SYM	SYMMETRICAL
T&G	TONGUE AND GROOVE
TB	TOWEL BAR
TBD	TO BE DETERMINED
TC	TOP OF CURB
TEL	TELEPHONE
TER	TERRAZZO
T/D	TELEPHONE/DATA
THK	THICK
TLT	TOILET
TO	TOP OF...
TOB	TOP OF BEAM
TOC	TOP OF CONCRETE
TOW	TOP OF WALL
TOP	TOP OF PARAPET
TOR	TOP OF ROOF
TOS	TOP OF STEEL
TP	TOP PLATE
TPD	TOILET PAPER DISPENSER
TR	TREAD
TS	TOP OF SLOPE
TV	TELEVISION
TYP	TYPICAL
TZ	TERRAZZO
UL	UNDERWRITERS LABORATORY
UNF	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
UON	UNLESS OTHERWISE NOTED
UR	URINAL
U/S	UNDERSIDE
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VFVI	VENDOR FURNISHED VENDOR INSTALLED
VFCI	VENDOR FURNISHED CONTRACTOR INSTALLED
VIF	VERIFY IN FIELD
VP	VISION PANEL
W	WEST OR WIDTH
W/	WITH
WC	WATER CLOSET
WD	WOOD
W/O	WITHOUT
WP	WATERPROOF
WR	WATER RESISTANT
WSCT	WAINSCOT
WT	WEIGHT
WWF	WELDED WIRE FABRIC
YD	YARD

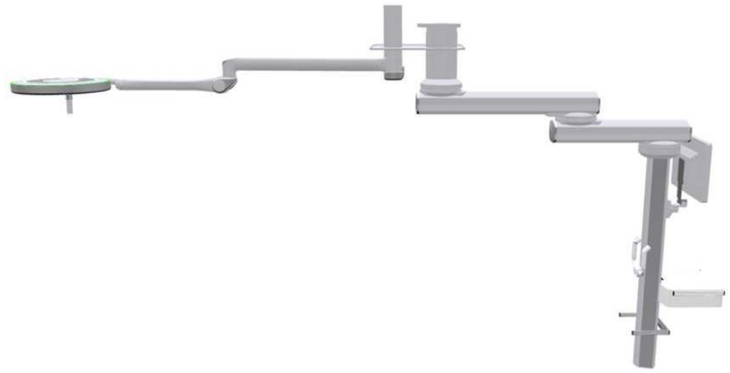
UC DAVIS HEALTH

DT10 PICU CEILING TILE & BOOM REPLACEMENT

UCDH PROJECT # 9557750



STERIS EQUIPMENT BOOM



STERIS EQUIPMENT BOOM WITH SURGICAL LIGHT

APPLICABLE CODES AND STANDARDS

1. THE CONTRACTOR SHALL NOTIFY THE DESIGN PROFESSIONAL OF RECORD IN RESPONSIBLE CHARGE WHERE A CONFLICT OR DISCREPANCY OCCURS BETWEEN THE CONSTRUCTION DRAWINGS AND ANY OTHER PORTION OF THE CONSTRUCTION DOCUMENTS. FIELD CONDITIONS, OR WHERE ANY CONDITIONS ARISE NOT COVERED BY THESE DOCUMENTS WHEREIN WORK WILL NOT COMPLY WITH CODE REQUIREMENTS.

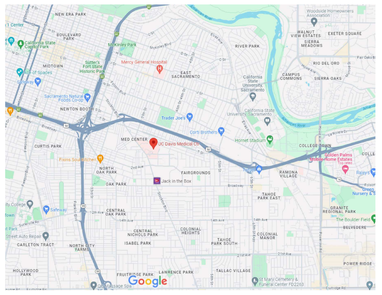
2. **THE INTENT OF THE PLANS AND SPECIFICATIONS ARE TO CONSTRUCT OR ALTER THE BUILDING IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS.** SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE APPROVED PLANS AND SPECIFICATIONS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE AUTHORITY HAVING JURISDICTION (AHJ) BEFORE PROCEEDING WITH THE WORK.

3. WORK PERFORMED WITHOUT AHJ APPROVAL IS DONE SO AT SOLE RISK TO THE CONTRACTOR WHO SHALL PROVIDE FOR REMOVAL, REPLACEMENT, OR CORRECTION OF WORK AT NO INCREASED COST UNLESS APPROVED TO PROCEED BY THE OWNER.

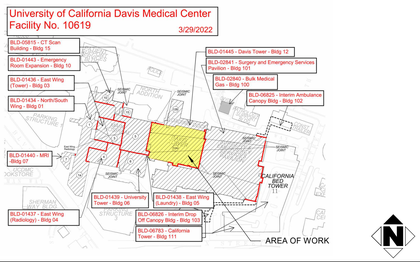
4. CONSTRUCTION, WORKMANSHIP AND MATERIAL SHALL CONFORM TO THE 2022 CALIFORNIA BUILDING STANDARDS CODE (CBSC).
   - A. 2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)
   - B. 2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24, CCR, BASED ON THE 2021 INTERNATIONAL BUILDING CODE (IBC)
   - C. 2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24, CCR, BASED ON THE 2021 NATIONAL ELECTRICAL CODE (NEC)
   - D. 2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24, CCR, BASED ON THE 2021 UNIFORM MECHANICAL CODE (UMC)
   - E. 2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24, CCR, BASED ON THE 2021 UNIFORM PLUMBING CODE (UPC)
   - F. 2022 CALIFORNIA ENERGY CODE (TITLE 24), PART 6, TITLE 24, CCR.
   - G. 2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24, CCR, BASED ON THE 2021 INTERNATIONAL FIRE CODE (IFC)
   - H. 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24, CCR, INCLUDING LOCAL JURISDICTION AMENDMENTS.
   - I. CURRENT LOCAL JURISDICTION AMENDED CODES, REGULATIONS, AND ORDINANCES. **NOTE: SEE OSHPD CAN-2 FOR EXTENTS OF LOCAL JURISDICTION FOR PROJECTS UNDER OSHPD-1 JURISDICTION.**

5. FOR HEALTHCARE OCCUPANCIES LICENSED UNDER A HOSPITAL'S CALIFORNIA DEPARTMENT OF PUBLIC HEALTH LICENSE; CONSTRUCTION, WORKMANSHIP AND MATERIAL SHALL CONFORM TO THE FOLLOWING:
   - A. 2022 NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE
   - B. 2012 NFPA 101 - LIFE SAFETY CODE - APPLICABLE FOR PROJECTS WITH CMS PATIENTS (CENTERS FOR MEDICARE & MEDICAID)
   - C. 2021 NFPA 101 - LIFE SAFETY CODE - APPLICABLE FOR A OCCUPANCY ASSEMBLY AREAS PER CBC 1030.6.2

VICINITY MAP



FACILITY MAP



PROJECT INFORMATION

PROJECT INFORMATION

PROJECT AREA: TENTH FLOOR AREA 25,250 SF

TOTAL AREA OF DISTURBANCE: 7,016 SF

PROJECT SCOPE OF WORK: THIS IS AN EQUIPMENT REPLACEMENT PROJECT. THE PROJECT SCOPE IS TO REPLACE (24) EXISTING OVERHEAD TANDEM (EQUIPMENT + SURGICAL LIGHT) BOOMS IN THE DAVIS TOWER 10TH FLOOR PEDIATRIC INTENSIVE CARE UNIT (PICU) AT UC DAVIS MEDICAL CENTER. AT (12) LOCATIONS THE REPLACEMENT BOOM WILL BE A SIMILAR TANDEM MOUNT BOOM WITH EQUIPMENT AND SURGICAL LIGHT ARMS. AT (12) OTHER LOCATIONS THE REPLACEMENT BOOM WILL INCLUDE ONLY A SINGLE EQUIPMENT ARM. THESE LOCATIONS WILL RECEIVE A NEW WALL-MOUNTED EXAM LIGHT IN LEIU OF THE OVERHEAD SURGICAL LIGHT. THE "EQUIPMENT BOOMS" CONSIST OF MEDICAL GAS OUTLETS, ELECTRICAL RECEPTACLES, AND ATTACHMENT POINTS FOR OTHER VENDOR FURNISHED ACCESSORIES & ATTACHMENTS. THERE ARE NO CHANGES TO OVERALL MED GAS OUTLET TYPES/QUANTITIES.

THERE ARE NO CHANGES TO ANY EXISTING FIRE/LIFE SAFETY OR ACCESSIBLE PATH OF TRAVEL COMPONENTS.

FIRE/LIFE SAFTEY NOTE: THROUGH-PENETRATIONS AND MEMBRANE PENETRATIONS SHALL BE PROTECTED BY AN APPROVED PENETRATION FIRESTOP SYSTEM OR MEMBRANE PENETRATION FIRESTOP SYSTEM INSTALLED AS TESTED IN ACCORDANCE WITH ASTM E 814 OR UL 1479, WITH A MINIMUM POSITIVE PRESSURE DIFFERENTIAL OF 0.01 INCH (2.49 PA) OF WATER OR AS OTHERWISE PERMITTED BY 2022 CBC, SECTION 714. LISTED THROUGH-PENETRATION FIRESTOP SYSTEMS AND MEMBRANE PENETRATIONS SHALL BE INSTALLED IN ACCORDANCE WITH THE INSTALLATION DETAILS FOR LISTED SYSTEMS. LISTED THROUGH-PENETRATION FIRESTOP SYSTEMS, MEMBRANE PENETRATION PROTECTION AND OTHER PERMITTED MEANS AND METHODS OF PENETRATION PROTECTION SHALL BE SUBMITTED TO HCAI FIELD FIRE LIFE SAFETY OFFICER FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION. PER 2022 C.B.C. SECTIONS 107.2.1 AND 714

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AUTHORITIES HAVING JURISDICTION (AHJ)

PLANNING: UC DAVIS HEALTH
FIRE DISTRICT: OSHPD & UC DAVIS CAMPUS FIRE MARSHAL
SANITARY DISTRICT: N/A
PLAN REVIEW/BUILDING PERMIT: OSHPD

LOCATION AND ZONING

ADDRESS: 2315 STOCKTON BLVD, SACRAMENTO, CA 98517
ASSESSOR'S PARCEL NUMBER: 011-0200-063
LEGAL PROPERTY DESCRIPTION: POR. SECS. 8, 16, 17 T.8 N., R.5 E. M.D.B. & M.
ZONING DISTRICT(S): H - HOSPITAL / R-2 TWO FAMILY
EXISTING USE: I-2, HOSPITAL
PROPOSED USE: I-2, HOSPITAL, NO CHANGE

BUILDING INFORMATION

EXISTING BUILDING OCCUPANCY: I-2, HOSPITAL
PROPOSED BUILDING OCCUPANCY: I-2, HOSPITAL, NO CHANGE>
EXISTING BUILDING HEIGHT: TBD
PROPOSED BUILDING HEIGHT: TBD, NO CHANGE
EXISTING STORIES ABOVE GRADE PLANE: 14
PROPOSED STORIES ABOVE GRADE PLANE: 14, NO CHANGE
EXISTING BUILDING AREA: TBD SF
BUILDING AREA (AS DESCRIBED PER CBC SECTION 202): TBD SF, NO CHANGE
TOTAL AREA OF DISTURBANCE: 7,016 SF
TYPE OF CONSTRUCTION: TYPE 1-A
FIRE SPRINKLER COVERAGE: FULLY SPRINKLERED

PROJECT TEAM

OWNER
UC DAVIS HEALTH
2315 STOCKTON BLVD
SACRAMENTO, CA 95817
CONTACT: SEJAL (SAGE) SHARMA
PHONE: (916) 505-4594
EMAIL: SEJSHARMA@UCDAVIS.EDU
WEBSITE: WWW.HEALTH.UCDAVIS.EDU

ARCHITECT
TAYLOR DESIGN
1400 S ST. SUITE 100
SACRAMENTO, CA 95811
MAIN CONTACT: JEREMY HOFFMAN
PHONE: (916) 460-9749
EMAIL: JHOFFMAN@WEARETAYLOR.COM
WEBSITE: WWW.WEARETAYLOR.COM

STRUCTURAL ENGINEER
CYS STRUCTURAL ENGINEERS. INC.
2495 NATOMAS PARK DRIVE, SUITE 650
SACRAMENTO, CA 95833
MAIN CONTACT: ARTHUR E. ROSS
PHONE: (916) 920-2020
EMAIL: ARTR@CYSENG.COM
WEBSITE: WWW.CYSENG.COM

COST ESTIMATOR
TBD CONSULTANTS
2063 GRANT ROAD
LOS ALTOS, CA 94024
CONTACT: BRIAN TOLLAND
PHONE: (415) 981-9430
EMAIL: BTOLLAND@TBDCONSULTANTS.COM
WEBSITE: WWW.TBDCONSULTANTS.COM

4ch1

MECHANICAL ENGINEER
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601 UNIVERSITY AVENUE, SUITE 255
SACRAMENTO, CA 95825
MAIN CONTACT: HAROLD HOUGHAM
PHONE: (916) 920-5965
EMAIL: HAROLD@RA-SOLUTIONS.COM
WEBSITE: WWW.RA-SOLUTIONS.COM

PLUMBING ENGINEER
R&A ENGINEERING SOLUTIONS, INC.
601 UNIVERSITY AVENUE, SUITE 255
SACRAMENTO, CA 95825
MAIN CONTACT: HAROLD HOUGHAM
PHONE: (916) 920-5965
EMAIL: HAROLD@RA-SOLUTIONS.COM
WEBSITE: WWW.RA-SOLUTIONS.COM

ELECTRICAL ENGINEER
EDGE ELECTRICAL CONSULTING, INC.
1801 7TH STREET, SUITE 150
SACRAMENTO, CA 95811
MAIN CONTACT: MIGUEL CASTELLANOS
PHONE: (916) 256-2460
EMAIL: MIGUEL@EDGE-ECONSULTING.COM
WEBSITE: WWW.EDGE-ECONSULTING.COM

DRAWING SET SHEET NUMBER ORGANIZATION

A - 1 1 1 - A

- SEGMENT; OPTIONAL (FOR PLANS ONLY)
- FLOOR LEVEL (FOR PLANS ONLY) OR GROUP SEQUENCE
- SEQUENCE & GROUPING NUMBERS
- SHEET TYPE DESIGNATOR (PRIMARY)
- DISCIPLINE DESIGNATOR

DISCIPLINE DESIGNATORS

-	PLACEHOLDER	FP	FIRE PROTECTION
G	GENERAL	P	PLUMBING
A	ARCHITECTURAL	M	MECHANICAL
ID	INTERIORS	E	ELECTRICAL
S	STRUCTURAL	Z	VENDOR DRAWINGS

SHEET TYPE DESIGNATORS

0	GENERAL & DEMO
1	PLANS (HORIZONTAL VIEWS)
2	EXTERIOR ELEVATIONS & 3D VIEWS
3	BUILDING & WALL SECTIONS
4	LARGE-SCALE VIEWS
5	DETAILS (2D & 3D)
6	SCHEDULES & DIAGRAMS
7-9	USER DEFINED

SHEET INDEX

GENERAL	
G-001	COVERSHEET
G-011	GENERAL NOTES
G-012	GENERAL NOTES
G-040	FIRE LIFE SAFETY & ACCESSIBILITY SITE PLAN
G-041	FIRE LIFE SAFETY & ACCESSIBILITY PLAN LEVEL 10
G-042	CONSTRUCTION PHASING PLANS - WEST
G-043	CONSTRUCTION PHASING PLANS - EAST
ARCHITECTURAL	
A-001	ARCHITECTURAL GENERAL NOTES
A-021	LEVEL 10 OVERALL DEMOLITION PLAN
A-041-A	LEVEL 10 SEGMENTED DEMOLITION PLAN
A-041-B	LEVEL 10 SEGMENTED DEMOLITION PLAN
A-061	LEVEL 10 OVERALL DEMOLITION REFLECTED CEILING PLAN
A-071-A	LEVEL 10 SEGMENTED DEMOLITION REFLECTED CEILING PLAN
A-071-B	LEVEL 10 SEGMENTED DEMOLITION REFLECTED CEILING PLAN
A-110	SITE PLAN
A-121	LEVEL 10 OVERALL FLOOR PLAN
A-141-A	LEVEL 10 SEGMENTED FLOOR PLAN
A-141-B	LEVEL 10 SEGMENTED FLOOR PLAN
A-161	LEVEL 10 OVERALL REFLECTED CEILING PLAN
A-171-A	LEVEL 10 SEGMENTED REFLECTED CEILING PLAN
A-171-B	LEVEL 10 SEGMENTED REFLECTED CEILING PLAN
A-181	INTERIOR ELEVATIONS
A-551	INTERIOR DETAILS
STRUCTURAL	
S-001	GENERAL NOTES AND ABBREVIATIONS
S-121	11th FLOOR FRAMING PLAN AT BOOM EQUIPMENT
S-122	11th FLOOR FRAMING PLAN AT LIGHTING
S-501	FRAMING DETAILS AT BOOM EQUIPMENT
S-502	FRAMING DETAILS AT BOOM EQUIPMENT
S-503	FRAMING DETAILS AT LIGHTING
S-504	EXISTING DWGS - FOR REFERENCE ONLY
PLUMBING	
P-001	PLUMBING LEGEND, NOTES AND SHEET INDEX
P-021	LEVEL 10 PLUMBING OVERALL DEMOLITION PLAN
P-041-A	LEVEL 10 PLUMBING DEMOLITION SEGMENTED PLANS
P-041-B	LEVEL 10 PLUMBING DEMOLITION SEGMENTED PLANS
P-121	LEVEL 10 PLUMBING OVERALL NEW WORK PLAN
P-141-A	LEVEL 10 PLUMBING NEW WORK SEGMENTED PLANS
P-141-B	LEVEL 10 PLUMBING NEW WORK SEGMENTED PLANS
P-401	LEVEL 10 ENLARGED PLUMBING PLANS
P-501	PLUMBING DETAILS
MECHANICAL	
M-001	MECHANICAL LEGEND, NOTES AND SHEET INDEX
M-021	LEVEL 10 MECHANICAL OVERALL PLAN
M-031	LEVEL 10 MECHANICAL AIR BALANCE PRECAUTIONS PLAN
M-041-A	LEVEL 10 MECHANICAL TEMPORARY DUCTING SEGMENTED PLANS
M-041-B	LEVEL 10 MECHANICAL TEMPORARY DUCTING SEGMENTED PLANS
M-141-A	LEVEL 10 MECHANICAL NEW WORK SEGMENTED PLANS
M-501	MECHANICAL DETAILS
ELECTRICAL	
E-001	ABBREVIATIONS, SYMBOLS, SHEET INDEX & PARTIAL ONE-LINE DIAGRAM
E-111	OVERALL 10TH FLOOR PLAN - ELECTRICAL
E-421	ENLARGED 10TH FLOOR PLAN - DEMO & NEW ELECTRICAL - SEGMENT A
E-422	ENLARGED 10TH FLOOR PLAN - DEMO & NEW ELECTRICAL - SEGMENT B
E-423	ENLARGED 10TH FLOOR PLAN - DEMO & NEW ELECTRICAL - SEGMENT C
E-424	ENLARGED 10TH FLOOR PLAN - DEMO & NEW ELECTRICAL - SEGMENT D
E-425	ENLARGED 10TH FLOOR PLAN - DEMO & NEW ELECTRICAL - SEGMENT E
E-501	PANEL SCHEDULES
E-601	DETAILS
E-602	DETAILS
E-603	DETAILS
E-604	DETAILS

Grand total: 58

4ch1

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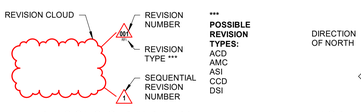
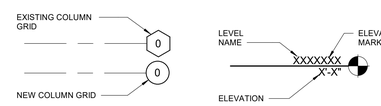
DRAWING SYMBOLS

GRAPHIC SYMBOLS



REVISION CLOUD AND MARK

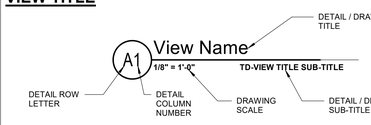
NORTH ARROW



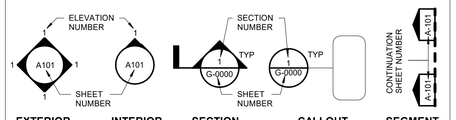
GRID MARKERS

LEVEL MARKER

VIEW TITLE

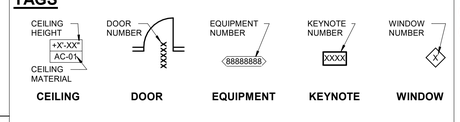


REFERENCE SYMBOLS

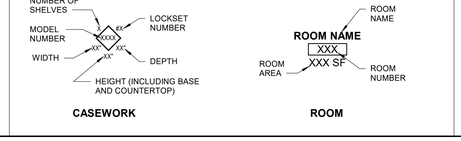


EXTERIOR ELEVATION | INTERIOR ELEVATION | SECTION MARK | CALLOUT MARK | SEGMENT MATCHLINE

TAGS



CEILING | DOOR | EQUIPMENT | KEYNOTE | WINDOW



CASEWORK | ROOM

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
6/26/2025, 2:54:24 PM
S250003-34-00
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT — CARL I. N. W. STEVENSON — 36396 — EXP. 5-31-27 — STATE OF CALIFORNIA

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TAYLOR design

REV	REVISION DESCRIPTION	DATE
BC1	OSHPD BACKCHECK 1	03/28/2025

CONST. DOCUMENTS

UCDH PROJECT NO.: 9557750
HCAI - OSHPD NO.: S250003-34-00
BUILDING: BLDG-01445
FLOOR \ WING: 10TH FLOOR
PROJECT TITLE: DT10 PICU CEILING TILE & BOOM REPLACEMENT
SHEET TITLE: COVERSHEET

ARCH \ ENGR.	ARCH	FD&C JOB NO.	9557750 - L010335
SHEET NO.	G-001		
UCDMC PROJ. MANAGER	SEJAL SHARMA	SCALE	AS SHOWN
DESIGNED BY	J. HOFFMAN	DATE	03/28/25
DRAWN BY	A. VILLAFANE	CAD FILE	-
SHEET		OF	

FILE NAME: Autodesk Docs://9382-UCD-UCDMC PICU Boom/9382-UCD-UCDMC PICU Boom.rvt

12/18/2024 8:02:31 AM TAYLOR & ASSOCIATES ARCHITECTS IF THIS DRAWING IS NOT 30"x42" IT HAS BEEN MODIFIED

SWPPP

1. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP OF ALL SILT & MUD ON ADJACENT STREET(S), DUE TO CONSTRUCTION VEHICLES OR ANY OTHER CONSTRUCTION ACTIVITY, AT THE END OF EACH WORK DAY, OR AFTER A STORM EVENT THAT CAUSES A BREECH IN INSTALLED CONSTRUCTION BMP'S WHICH MAY COMPROMISE STORM WATER QUALITY WITHIN ANY STREET (S). A STABILIZED CONSTRUCTION EXIT MAY BE REQUIRED TO PREVENT CONSTRUCTION VEHICLES OR EQUIPMENT FROM TRACKING MUD OR SILT ONTO THE STREET.
2. ALL STOCKPILES OF SOIL &/OR BUILDING MATERIALS THAT ARE INTENDED TO BE LEFT FOR A PERIOD GREATER THAN 7 CALENDAR DAYS ARE TO BE COVERED. ALL REMOVABLE BMP DEVICES SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN 5 DAY RAIN PROBABILITY FORECAST EXCEEDS 40%.
3. A CONCRETE WASHOUT SHALL BE PROVIDED ON ALL PROJECTS WHICH PROPOSE THE CONSTRUCTION OF ANY CONCRETE IMPROVEMENTS WHICH ARE TO BE POURED IN PLACE ON SITE.
4. THE CONTRACTOR SHALL RESTORE ALL EROSION/SEDIMENT CONTROL DEVICES TO WORKING ORDER AFTER EACH RUN-OFF PRODUCING RAINFALL OR AFTER ANY MATERIAL BREACH IN EFFECTIVENESS.
5. ALL SLOPES THAT ARE CREATED OR DISTURBED BY CONSTRUCTION ACTIVITY MUST BE PROTECTED AGAINST EROSION AND SEDIMENT TRANSPORT AT ALL TIMES.
6. THE STORAGE OF ALL CONSTRUCTION MATERIALS AND EQUIPMENT MUST BE PROTECTED AGAINST ANY POTENTIAL RELEASE OF POLLUTANTS INTO THE ENVIRONMENT.

DEMOLITION

1. DRAWINGS OF EXISTING CONDITIONS HAVE BEEN COMPILED FROM EXISTING DATA SUPPLIED BY THE OWNER TO THE ARCHITECT. THE ARCHITECT MAKES NO WARRANTY, EITHER EXPRESSED OR IMPLIED, FOR THE ACCURACY OR COMPLETENESS OF THE EXISTING INFORMATION RECORDED. FIELD VERIFY EXISTING CONDITIONS. NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
2. VERIFY LOCATIONS OF EXISTING ELECTRICAL, PLUMBING AND MECHANICAL UTILITIES. LOCATE AND PROTECT UTILITIES TO REMAIN. DISCONNECT, REMOVE AND CAP DESIGNATED UTILITIES WITHIN THE DEMOLITION AREA. REFER TO THE ELECTRICAL, PLUMBING, AND MECHANICAL DEMOLITION DRAWINGS FOR ADDITIONAL INFORMATION.
3. PROVIDE REROUTING OF UTILITIES SERVING ADJACENT AREAS TO MAINTAIN UNINTERRUPTED SERVICE.
4. THE DEMOLITION PLAN KEYNOTES ARE DIAGRAMMATIC AND GENERAL IN NATURE. THE INTENT IS TO ILLUSTRATE THE COMPLETE DEMOLITION OF THE SPACES INDICATED UNLESS NOTED OTHERWISE. FIELD VERIFICATION OF EXISTING CONDITIONS AND SPECIFIC QUANTITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
5. SUBMIT A CONSTRUCTION WASTE MANAGEMENT PLAN. DEMONSTRATE COMPLIANCE WITH CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN) SECTION 5.408.
6. REMOVAL AND DISPOSAL OF DEMOLITION DEBRIS IS THE RESPONSIBILITY OF THE CONTRACTOR. SUBMIT A WORK PLAN TO THE OWNER'S REPRESENTATIVE WITH HOURS OF DEMOLITION OPERATIONS, PROPOSED METHODS OF DEMOLITION (INCLUDING TOOLS), NOISE LEVELS EXPECTED, PLANNED SERVICE INTERRUPTIONS, AND METHOD(S) OF DUST/DEBRIS CONTAINMENT. VERIFY THE HAULING ROUTE THROUGH THE BUILDING, THE DEMOLITION STAGING AREA, AND THE LOCATION OF THE DUMPSTERS WITH THE OWNER'S REPRESENTATIVE PRIOR TO THE START OF DEMOLITION. DO NOT PROCEED WITH DEMOLITION UNTIL THE WORK PLAN IS APPROVED.
7. REFRIGERANT IN HVAC EQUIPMENT SHALL BE EVACUATED BY AN APPROVED SERVICE PROVIDER AND RECYCLED/DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.
8. "UNIVERSAL WASTE" (PCB'S IN ELECTRICAL COMPONENTS; MERCURY IN LIGHT TUBES, THERMOSTATS, AND SWITCHES; RADIOACTIVE MATERIAL IN SMOKE DETECTORS, CFC'S IN REFRIGERANTS; BATTERIES; ETC.) IS BELIEVED TO EXIST. EXACT QUANTITIES OF THESE MATERIALS HAVE NOT BEEN VERIFIED. CONTRACTOR SHALL VERIFY AND DOCUMENT QUANTITIES, HANDLE, AND DISPOSE OF UNIVERSAL WASTE IN STRICT ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

HAZARDOUS MATERIAL

1. TAYLOR DESIGN ASSUMES NO RESPONSIBILITY RELATING TO ANY EXISTING OR TOXIC MATERIALS, INCLUDING ASBESTOS, AND ASSUMES NO RESPONSIBILITY RELATING TO ITS EXISTENCE OR REMOVAL. THE OWNER WILL TAKE ACTION FOR DIRECTLY CONTRACTING WITH A CONSULTANT OR SPECIALIST FOR SUCH, LICENSED BY THE STATE OF CALIFORNIA SHOULD THOSE SERVICES BE REQUIRED ON THE PROJECT.
2. THERE ARE NO PROPOSED CHANGES TO EXISTING CONTROL ZONES.

FIRE SAFETY DURING CONST.

1. DURING CONSTRUCTION, ALTERATION AND DEMOLITION OPERATIONS, COMPLY WITH NFPA 241 2019 EDITION. (CFC 3301.1)
2. TEMPORARY HEATING EQUIPMENT SHALL BE IN ACCORDANCE WITH SECTION 3304 OF THE 2022 CALIFORNIA FIRE CODE.
3. PRECAUTIONS AGAINST FIRE SHALL BE IN ACCORDANCE WITH SECTION 3305 OF THE 2022 CALIFORNIA FIRE CODE.
4. WELDING, CUTTING, OPEN TORCHES AND OTHER HOT WORK OPERATIONS AND EQUIPMENT SHALL BE IN ACCORDANCE WITH CHAPTER 35 OF THE 2022 CALIFORNIA FIRE CODE. (2022 CFC 3305.6)
5. STORAGE, USE AND HANDLING OF FLAMMABLE AND COMBUSTIBLE LIQUIDS SHALL BE IN ACCORDANCE WITH SECTION 5704 OF THE 2022 CALIFORNIA FIRE CODE. (2022 CFC 3306)
6. FLAMMABLE AND COMBUSTIBLE LIQUID STORAGE AREAS SHALL BE MAINTAINED CLEAR OF COMBUSTIBLE VEGETATION AND WASTE MATERIALS. SUCH STORAGE AREAS SHALL NOT BE USED FOR THE STORAGE OF COMBUSTIBLE MATERIALS. (2022 CFC 3306.3)
7. SOURCES OF IGNITION AND SMOKING SHALL BE PROHIBITED IN FLAMMABLE AND COMBUSTIBLE LIQUID STORAGE AREAS. SIGNS SHALL BE POSTED IN ACCORDANCE WITH SECTION 310. (2022 CFC 3306.4)
8. SMOKING SHALL BE PROHIBITED EXCEPT IN APPROVED AREAS. IN APPROVED AREAS WHERE SMOKING IS PERMITTED, SIGNS SHALL BE POSTED AND APPROVED ASHTRAYS SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 310. (2022 CFC 3305.1)
9. CLASS I AND II LIQUIDS SHALL BE KEPT IN APPROVED SAFETY CONTAINERS. (2022 CFC 3306.5)
10. LEAKING VESSELS SHALL BE IMMEDIATELY REPAIRED OR TAKEN OUT SERVICE. SPILLS SHALL BE IMMEDIATELY CLEANED UP AND PROPERLY DISPOSED. (2022 CFC 3306.6)
11. STORAGE, USE AND HANDLING OF FLAMMABLE GASES SHALL BE IN ACCORDANCE WITH CHAPTER 58 OF THE 2022 CALIFORNIA FIRE CODE. (2022 CFC 3307)
12. STORAGE, USE AND HANDLING OF EXPLOSIVE MATERIALS SHALL BE IN ACCORDANCE WITH CHAPTER 56 OF THE 2022 CALIFORNIA FIRE CODE. (2022 CFC 3308)
13. THE OWNER OR OWNER'S AUTHORIZED AGENT SHALL BE RESPONSIBLE FOR THE DEVELOPMENT, IMPLEMENTATION AND MAINTENANCE OF AN APPROVED, WRITTEN SITE SAFETY PLAN ESTABLISHING A FIRE PREVENTION PROGRAM AT THE PROJECT SITE APPLICABLE THROUGHOUT ALL PHASES OF THE CONSTRUCTION, REPAIR, ALTERATION OR DEMOLITION WORK. THE PLAN SHALL ADDRESS THE REQUIREMENTS OF THIS CHAPTER AND OTHER APPLICABLE PORTIONS OF THIS CODE, THE DUTIES OF STAFF AND STAFF TRAINING REQUIREMENTS. THE PLAN SHALL BE SUBMITTED AND APPROVED BEFORE A BUILDING PERMIT IS ISSUED. ANY CHANGES TO THE PLAN SHALL BE SUBMITTED FOR APPROVAL. (2022 CFC 3303.1)
14. THE OWNER SHALL DESIGNATE A PERSON TO BE THE SITE SAFETY DIRECTOR. THE SITE SAFETY DIRECTOR SHALL BE RESPONSIBLE FOR ENSURING COMPLIANCE WITH THE SITE SAFETY PLAN. THE SITE SAFETY DIRECTOR SHALL HAVE THE AUTHORITY TO ENFORCE THE PROVISIONS OF THIS CHAPTER AND OTHER PROVISIONS AS NECESSARY TO SECURE THE INTENT OF THIS CHAPTER. WHERE GUARD SERVICE IS PROVIDED IN ACCORDANCE WITH NFPA 241, THE SITE SAFETY DIRECTOR SHALL BE RESPONSIBLE FOR THE GUARD SERVICE. (2022 CFC 3303.2)
15. THE SITE SAFETY DIRECTOR SHALL BE RESPONSIBLE FOR COMPLETION OF A DAILY FIRE SAFETY INSPECTION AT THE PROJECT SITE. EACH DAY, ALL BUILDING AND OUTDOOR AREAS SHALL BE INSPECTED TO ENSURE COMPLIANCE WITH THE INSPECTION LIST IN THIS SECTION. THE RESULTS OF EACH INSPECTION SHALL BE DOCUMENTED AND MAINTAINED ON-SITE UNTIL A CERTIFICATE OF OCCUPANCY HAS BEEN ISSUED. DOCUMENTATION SHALL BE IMMEDIATELY AVAILABLE ON SITE FOR PRESENTATION TO THE FIRE CODE OFFICIAL UPON REQUEST. (2022 CFC 3303.3)
16. TRAINING OF FIRE WATCH AND OTHER RESPONSIBLE PERSONNEL IN THE USE OF FIRE PROTECTION EQUIPMENT SHALL BE THE RESPONSIBILITY OF THE SITE SAFETY DIRECTOR. RECORDS OF TRAINING SHALL BE KEPT AND MADE A PART OF THE WRITTEN PLAN FOR THE SITE SAFETY PLAN. (2022 CFC 3303.6)
17. TRAINING OF FIRE WATCH AND OTHER RESPONSIBLE PERSONNEL IN THE USE OF FIRE PROTECTION EQUIPMENT SHALL BE THE RESPONSIBILITY OF THE SITE SAFETY DIRECTOR. RECORDS OF TRAINING SHALL BE KEPT AND MADE A PART OF THE WRITTEN PLAN FOR THE SITE SAFETY PLAN. (2022 CFC 3303.7)
18. THE SITE SAFETY DIRECTOR SHALL ENSURE HOT WORK OPERATIONS AND PERMIT PROCEDURES ARE IN ACCORDANCE WITH CHAPTER 35. (2022 CFC 3303.8)
19. IMPAIRMENT TO ANY FIRE PROTECTION SYSTEM SHALL BE IN ACCORDANCE WITH 2022 CALIFORNIA FIRE CODE SECTION 901. (2022 CFC 3303.9)
20. AN EMERGENCY TELEPHONE SHALL BE READILY ACCESSIBLE IN AN APPROVED LOCATION AT THE CONSTRUCTION SITE, OR AN APPROVED EQUIVALENT MEANS OF COMMUNICATION SHALL BE PROVIDED. THE EMERGENCY FIRE DEPARTMENT NUMBER AND THE CONSTRUCTION SITE ADDRESS SHALL BE POSTED ADJACENT TO THE TELEPHONE. (2022 CFC 3310.1)
21. APPROVED VEHICLE ACCESS FOR FIRE FIGHTING SHALL BE PROVIDED TO ALL CONSTRUCTION OR DEMOLITION SITES. VEHICLE ACCESS SHALL BE PROVIDED TO WITHIN 100 FEET OF TEMPORARY OR PERMANENT FIRE DEPARTMENT CONNECTIONS. VEHICLE ACCESS SHALL BE PROVIDED BY EITHER TEMPORARY OR PERMANENT ROADS, CAPABLE OF SUPPORTING VEHICLE LOADING UNDER ALL WEATHER CONDITIONS. VEHICLE ACCESS SHALL BE MAINTAINED UNTIL PERMANENT FIRE APPARATUS ACCESS ROADS ARE AVAILABLE. (2022 CFC 3311.1)
22. PROVIDE KEY BOX IN ACCORDANCE WITH 2022 CALIFORNIA FIRE CODE CHAPTER 5.(2022 CFC 3311.2)

FIRE RATING LEGEND

	NON-RATED	1 HOUR	2 HOUR	3 HOUR	4 HOUR
PARTITION PER CBC 708					
FIRE PARTITION PER CBC 708					
FIRE BARRIER PER CBC 707					
SMOKE BARRIER PER CBC 709					

FIRE SAFETY (CONTINUED)

23. DURING CONSTRUCTION, ALTERATION, REMODELING, AND DEMOLITION, REQUIRED MEANS OF EGRESS AND REQUIRED ACCESSIBLE MEANS OF EGRESS SHALL BE MAINTAINED. (2022 CFC 3312)
24. PROVIDE APPROVED FIRE PROTECTION WATER SUPPLY PRIOR TO ARRIVAL OF COMBUSTIBLE MATERIALS ON SITE. (2022 CFC 3312)
25. IN BUILDINGS REQUIRED TO HAVE STAND PIPES BY 905.3.1 NOT LESS THAN ONE STANDPIPE SHALL BE PROVIDED FOR USE DURING CONSTRUCTION. SUCH STANDPIPES SHALL BE INSTALLED PRIOR TO CONSTRUCTION EXCEEDING 40 FEET IN HEIGHT ABOVE THE LOWEST LEVEL OF FIRE DEPARTMENT VEHICLE ACCESS. SUCH STANDPIPE SHALL PROVIDE FIRE DEPARTMENT ACCESSIBLE HOSE CONNECTIONS ADJACENT TO STAIRWAYS COMPLYING WITH CFC 2022 SECTION 3311.1. MAINTAIN STAND PIPE WITHIN ONE FLOOR OF HIGHEST POINT OF CONSTRUCTION HAVING SECURED DECKING OR FLOORING. (2022 CFC 3313.1)
26. EXISTING BUILDING BEING DEMOLISHED SHALL MAINTAIN STAND PIPE IN AN OPERABLE CONDITION SO AS TO BE AVAILABLE FOR USE BY THE FIRE DEPARTMENT. SUCH STANDPIPE SHALL BE DEMOLISHED WITH THE BUILDING BUT SHALL NOT BE DEMOLISHED MORE THAN ONE FLOOR BELOW THE FLOOR BEING DEMOLISHED. (2022 CFC 3313.2)
27. IN BUILDINGS WHERE AN AUTOMATIC SPRINKLER SYSTEM IS REQUIRED BY THIS CODE OR THE CALIFORNIA BUILDING CODE, NO PORTION OF THE BUILDING OR STRUCTURE SHALL BE OCCUPIED PRIOR TO TESTING AND APPROVAL OF THE AUTOMATIC FIRE SPRINKLER SYSTEM. EXCEPT AS PROVIDED IN SECTION 105.3.4 CONDITIONAL PERMITS. (2022 CFC 3314.1)
28. DURING CONSTRUCTION, ALTERATION AND DEMOLITION PROVIDE MINIMUM ONE APPROVED PORTABLE FIRE EXTINGUISHER IN ACCORDANCE WITH SECTION 906 AND SIZED FOR NOT LESS THAN ORDINARY HAZARD AT EACH STAIRWAY ON ALL FLOORS WHERE COMBUSTIBLE MATERIALS HAVE ACCUMULATED, IN EVERY STORAGE AND CONSTRUCTION SHED, AND WHERE SPECIAL HAZARDS EXIST. (2022 CFC 3315.1)
29. INTERNAL-COMBUSTION-POWERED CONSTRUCTION EQUIPMENT SHALL BE USED SO THAT EXHAUST DOES NOT DISCHARGE AGAINST COMBUSTIBLE MATERIAL. EXHAUST IS PIPED TO THE OUTSIDE OF THE BUILDING, NO REFUELING TAKES PLACE WHILE IN OPERATION, AND SO THAT EQUIPMENT FUEL IS STORED IN AN APPROVED LOCATION OUTSIDE OF THE BUILDING. (2022 CFC 3316.1)
30. HOT WORK ROOFING OPERATIONS SHALL BE CONDUCTED IN ACCORDANCE WITH SECTIONS 3317.2 AND 3317.3 AND CHAPTER 35. (2022 CFC 3317.1)
31. ROOFING OPERATIONS UTILIZING ASPHALT AND TAR KETTLES SHALL BE CONDUCTED IN ACCORDANCE WITH 2022 CALIFORNIA FIRE CODE SECTION 303. (2022 CFC 3317.2)
32. HOT WORK ROOFING OPERATION SHALL BE PROVIDED WITH MINIMUM ONE MULTIPURPOSE PORTABLE FIRE EXTINGUISHER. FIRE EXTINGUISHER SHALL HAVE MINIMUM 3-A 40-B:C RATING ON THE ROOF BEING COVERED OR REPAIRED. (2022 CFC 3317.3)

FIRE PROTECTION

1. CFC CHAPTER 1 2022 – SCOPE AND ADMINISTRATION
   - A. ALL PERMITTED WORK SHALL BE INSPECTED BY THE FIRE INSPECTOR OF RECORD AND SHALL REMAIN ACCESSIBLE AND EXPOSED FOR INSPECTION PURPOSES UNTIL APPROVED.
   - B. TO SCHEDULE AN INSPECTION, CONTACT THE FIRE AUTHORITY HAVING JURISDICTION. REFER TO OSHPD NOTES FOR PROJECTS UNDER OSHPD AUTHORITY.
   - C. AN OPERATIONAL PERMIT IS REQUIRED PER CFC 105.6.
   - D. A CONSTRUCTION PERMIT IS REQUIRED PER CFC 105.7.
2. CFC CHAPTER 33 2022 – FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION
   - A. STORAGE, HANDLING AND USE OF ANY FLAMMABLE OR COMBUSTIBLE MATERIALS SHALL COMPLY WITH CFC 3305.
3. CFC CHAPTER 4, 2022 – EMERGENCY PLANNING AND PREPAREDNESS
   - A. A FIRE SAFETY AND EVACUATION PLAN IS REQUIRED. THE FIRE SAFETY AND EVACUATION PLAN SHALL COMPLY WITH CFC 404.
4. CFC CHAPTER 5, 2022 – FIRE SERVICE FEATURES
   - A. FIRE APPARATUS ACCESS ROADS ARE REQUIRED. FIRE APPARATUS ACCESS ROAD SHALL COMPLY WITH CFC 503 AND APPENDIX D .
     1. FIRE APPARATUS ACCESS ROADS SHALL BE APPROVED BY THE AUTHORITY HAVING JURISDICTION
   - B. FIRE HYDRANTS SHALL BE PROVIDED ALONG REQUIRED FIRE APPARATUS ROADS. FIRE HYDRANT LOCATIONS AND DISTRIBUTION SHALL COMPLY WITH CFC APPENDIX C.
     1. FIRE HYDRANT LOCATIONS SHALL BE REVIEWED BY THE LOCAL JURISDICTION.
     2. ROOF OBSTRUCTIONS SHALL BE MAINTAINED IN A MANNER NOT TO OBSTRUCT OR RENDER HAZARDOUS ROOF ACCESS OR EGRESS IN THE EVENT OF FIRE OR EMERGENCY. COMPLY WITH CFC 504.
   - C. EXTERIOR DOORS AND OPENINGS REQUIRED BY CFC/CBC 2022 EDITIONS SHALL BE MAINTAINED READILY ACCESSIBLE FOR EMERGENCY ACCESS BY THE FIRE DEPARTMENT. COMPLY WITH CFC 504.
   - D. PROVIDE APPROVED BUILDING IDENTIFICATION TO COMPLY WITH CFC 505.
   - E. FIRE PROTECTION EQUIPMENT SHALL BE IDENTIFIED IN AN APPROVED MANNER. APPROVED ACCESS SHALL BE PROVIDED AND MAINTAINED. COMPLY WITH CFC 509.
     1. MECHANICAL REFRIGERATION SYSTEM SHALL BE ACCESSIBLE TO THE FIRE DEPARTMENT AT ALL TIMES AS REQUIRED BY THE FIRE CODE OFFICIAL. (CFC 605.5)
     2. PROVIDE EMERGENCY SIGNS IN ACCORDANCE WITH CFC 606.3 OF THE CFC. EMERGENCY SIGNS, CHARTS AND LABELS SHALL BE IN COMPLIANCE WITH NFPA 704.
5. CFC CHAPTER 7, 2022 – FIRE & SMOKE PROTECTION FEATURES
   - A. MAINTAIN REQUIRED FIRE-RESISTANCE RATING OF FIRE-RESISTANCE RATED CONSTRUCTION IN COMPLIANCE WITH CHAPTER 7 OF THE CFC
     1. OWNER SHALL ANNUALLY VISUALLY INSPECT FIRE-RESISTANT RATED CONSTRUCTION.
        - a. FIRE-RESISTANT RATED CONSTRUCTION IN NON-ACCESSIBLE CONCEALED SPACES SHALL NOT BE REQUIRED TO BE VISUALLY INSPECTED.
        - b. DAMAGED, ALTERED, BREACHED OR PENETRATED FIRE-RESISTIVE CONSTRUCTION SHALL BE PROPERLY REPAIRED, RESTORED OR REPLACED. (CFC 703.1)
   - B. MAINTAIN FIRE-RESISTANCE RATED OPENING PROTECTIVE IN OPERATIVE CONDITION IN ACCORDANCE WITH NFPA 80 AND 105. (705.2)
   - C. WHERE REQUIRED BY FIRE CODE OFFICIAL, A SIGN SHALL BE PERMANENTLY DISPLAYED ON OR NEAR EACH FIRE DOOR IN LETTERS NOT LESS THAN ONE INCH HIGH TO READ AS FOLLOWS:
     1. FOR DOORS DESIGNED TO BE KEPT NORMALLY OPEN: "FIRE DOOR - DO NOT BLOCK."
     2. FOR DOORS DESIGNED TO BE KEPT NORMALLY CLOSED: "FIRE DOOR - KEEP CLOSED." (CFC 705.2.2)
   - D. MAINTAIN IN OPERATIVE CONDITION REQUIRED DOOR HOLD OPEN DEVICES AND AUTOMATIC CLOSERS. (CFC 705.2.3)
   - E. MAINTAIN IN OPERATIVE CONDITION SWINGING FIRE DOORS.
     1. SHALL CLOSE FROM FULL-OPEN POSITION AND LATCH AUTOMATICALLY.
   - F. ROLLING/SLIDING FIRE DOORS SHALL BE MAINTAINED IN OPERATIVE CONDITION.
     1. TEST ANNUALLY TO CONFIRM PROPER OPERATION AND FULL CLOSURE.
     2. MAINTAIN WRITTEN TEST RECORD WHICH SHALL BE AVAILABLE FOR THE FIRE CODE OFFICIAL (CFC 705.2.6)
6. CFC CHAPTER 8, 2022 - INTERIOR FINISH, DECORATIVE MATERIALS AND FURNISHINGS
   - A. INSTALL INTERIOR FINISHES, DECORATIVE MATERIALS AND FURNISHINGS TO COMPLY WITH CHAPTER 8 OF THE CFC.
7. CFC CHAPTER 9, 2022 – FIRE PROTECTION AND LIFE SAFETY SYSTEMS
   - A. MAINTAIN ALL FIRE DETECTION, ALARM AND EXTINGUISHING SYSTEMS IN OPERATING CONDITION AT ALL TIMES. MAINTAIN RECORDS OF ALL FIRE DETECTION, ALARM AND EXTINGUISHING ON PREMISES IN ACCORDANCE WITH (CFC 901.6.3.1).
   - B. WHERE THE PROVISIONS OF THIS CODE REQUIRE THAT A BUILDING OR PORTION THEREOF BE EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH THIS SECTION, PROVIDE A FULLY AUTOMATICALLY ACTUATED FIRE SPRINKLER SYSTEM THROUGHOUT THE ENTIRE BUILDING, INSTALLED IN ACCORDANCE WITH NFPA 13 AS AMENDED IN CHAPTER 47. EXCEPT AS PROVIDED IN (CFC 903.3.1.1) EXEMPT LOCATIONS.
   - C. ALL VALVES CONTROLLING WATER SUPPLY, PUMPS, TANKS, WATER LEVELS AND TEMPERATURES, CRITICAL AIR PRESSURES AND WATER-FLOW SWITCHES FOR AUTOMATIC SPRINKLER SYSTEMS SHALL BE ELECTRICALLY SUPERVISED. (CFC 903.4)
   - D. ALARM/TROUBLE SIGNALS SHALL BE DISTINCTLY DIFFERENT AND AUTOMATICALLY TRANSMITTED TO AN APPROVED SUPERVISING STATION, OR WHEN APPROVED BY THE FIRE CODE OFFICIAL, SHALL SOUND AN AUDIBLE SIGNAL AT A CONSTANTLY ATTENDED LOCATION (CFC 903.4.1)
   - E. APPROVED AUDIBLE ALARM DEVICES SHALL BE CONNECTED TO EVERY AUTOMATIC SPRINKLER SYSTEM, PROVIDED ON THE EXTERIOR OF BUILDING IN APPROVED LOCATION AND ACTUATED BY AUTOMATED SPRINKLER SYSTEM. (CFC 903.4.2)

FIRE PROTECTION (CONTINUED)

- F. PROVIDE A CLASS I STANDPIPE SYSTEM WITH FIRE HOSE CONNECTION COMPATIBLE WITH LOCAL FIRE DEPARTMENT. LOCATIONS TO BE APPROVED BY FIRE CODE OFFICIAL STANDPIPES SYSTEMS SHALL BE INSTALLED / LOCATED PER (CFC 905).
- G. SELECT, INSTALL AND MAINTAIN PORTABLE FIRE EXTINGUISHERS IN ACCORDANCE WITH CFC 906 AND CHAPTER 3, TITLE 19 CALIFORNIA CODE OF REGULATIONS. NUMBER, TYPE, SIZE, AND LOCATION SHALL BE DETERMINED BY THE LOCAL JURISDICTION. EXCEPT AS PROVIDED FOR MENTAL HEALTH AREAS IN (CFC 906.2) EXCEPTION 3.
- H. PROVIDE AN APPROVED MANUAL AND AUTOMATIC FIRE ALARM SYSTEM IN ACCORDANCE WITH (CFC 907) AND (NFPA 72).
- I. PROVIDE AND INSTALL MANUAL FIRE ALARM BOXES NOT MORE THAN FIVE FEET FROM THE ENTRANCE TO EACH EXIT, AND BETWEEN FORTY-TWO AND FORT-EIGHT INCHES ABOVE FINISH FLOOR. BOXES SHALL BE RED IN COLOR, WITH NOT MORE THAN TWO HUNDRED FEET TRAVEL DISTANCE BETWEEN BOXES.(CFC 907.4.2)

8. CBC CHAPTER 10 MEANS OF EGRESS
   - A. THE MEANS OF EGRESS SHALL HAVE A CEILING HEIGHT OF NOT LESS THAN 7 FOOT 6 INCHES. (1003.2)
     1. IN GROUP 1-2, I-2.1 AND 1-3 OCCUPANCIES, THE MEANS OF EGRESS SHALL HAVE A CEILING HEIGHT OF NOT LESS THAN 6 FEET.
   - B. HORIZONTAL PROJECTIONS FOR GROUP I-2 AND I-2.1 OCCUPANCIES: STRUCTURAL ELEMENTS, FIXTURES OR FURNISHINGS SHALL NOT PROJECT HORIZONTALLY FROM EITHER SIDE MORE THAN 1-1/2 INCHES INTO THE REQUIRED WIDTH OF AN EXIT ACCESS CORRIDOR SERVING ANY AREA CARING FOR ONE OR MORE NON-AMBULATORY OR BEDRIDDEN PERSONS.
     EXCEPTIONS:
     1. HANDRAILS ARE PERMITTED TO PROTRUDE 3 1/2 INCHES (89 MM) FROM THE WALL.
     2. ALCOHOL-BASED HAND-RUB DISPENSERS ARE PERMITTED TO PROTRUDE 4 INCHES.
     3. MANUAL FIRE ALARM BOXES WITH A PROTECTIVE COVER INSTALLED ARE PERMITTED TO PROTRUDE 4 INCHES. (CBC 1003.3.3.1)
   - C. THE MEANS OF EGRESS SHALL HAVE A SLIP-RESISTANT, SECURELY ATTACHED WALKING SURFACE. (1003.4)
   - D. THE MEANS OF EGRESS SHALL HAVE AN UN-INTERRUPTED PATH OF TRAVEL THAT DOES NOT DIMINISH REQUIRED CAPACITY TO AN EXIT DISCHARGE. (1003.6)
   - E. EVERY ROOM OR SPACE WHICH IS USED FOR ASSEMBLY, CLASSROOM, DINING, DRINKING, OR SIMILAR PURPOSES HAVING AN OCCUPANT LOAD OF 50 OR MORE SHALL HAVE THE OCCUPANT LOAD OF THE ROOM OR SPACE CONSPICUOUSLY POSTED NEAR THE MAIN EXIT OR EXIT ACCESS DOORWAY. POSTED SIGNS SHALL BE AN APPROVED, LEGIBLE PERMANENT DESIGN AND SHALL BE MAINTAINED BY OWNER OR AUTHORIZED AGENT. (1004.9)
   - F. ALL MEANS OF EGRESS SHALL HAVE AN UNOBSTRUCTED WIDTH OF NOT LESS THAN 32 INCHES AT DOORWAYS. IN GROUP I-1 OR I-2.1 EGRESS DOORS FOR MOVEMENT OF BEDS AND STRETCHER PATIENTS SHALL BE 44 INCHES CLEAR (1010.1.1); NOT LESS THAN 44 INCHES AT STAIRWAYS (1011.2), CORRIDORS (1020.2) AND EXIT PASSAGEWAYS (1024.2); NOT LESS THAN 48 INCHES AT RAMPS (11B-405.5); AND NOT LESS THAN 96 INCHES IN GROUP I-2 AREAS WHERE REQUIRED FOR BED MOVEMENT (1020.3).
   - G. ALL MEANS OF EGRESS, INCLUDING EXIT DISCHARGE, SHALL BE ILLUMINATED AT ALL TIMES THE BUILDING SPACE SERVED BY THE MEANS OF EGRESS IS OCCUPIED (CFC 1008.2). EGRESS ILLUMINATION SHALL BE CONNECTED TO THE EMERGENCY POWER SYSTEM. EMERGENCY POWER SYSTEM SHALL BE CAPABLE OF SUSTAINING EGRESS ILLUMINATION FOR NO LESS THAN A 90 MINUTE DURATION (CBC 1008.3.4). THE MEANS OF EGRESS, AND EXIT DISCHARGE, SHALL BE ILLUMINATED AT ANY TIME THE BUILDING IS OCCUPIED WITH A LIGHT INTENSITY OF NOT LESS THAN 1 FOOT CANDLE AT THE WALKING SURFACE LEVEL (CBC 1008.3.5).
9. CONSTRUCTION DOCUMENTS APPROVED BY THE FIRE CODE OFFICIAL ARE APPROVED WITH THE INTENT THAT SUCH CONSTRUCTION DOCUMENTS COMPLY IN ALL RESPECTS WITH CURRENT CODE. REVIEW AND APPROVAL BY THE FIRE CODE OFFICIAL SHALL NOT RELIEVE THE APPLICANT OF THE RESPONSIBILITY OF COMPLIANCE WITH THIS CODE (CFC 105.3.6)
10. COMPLETE PLANS AND SPECIFICATIONS FOR FIRE ALARM, FIRE SPRINKLER, OTHER SPECIAL TYPES OF AUTOMATIC FIRE PROTECTION SYSTEMS AND APPURTENANCES THERETO, AND WET AND DRY STANDPIPES, SHALL BE SUBMITTED TO FIRE FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION (CFC 901, 903, 905, 907)
11. FIRE EXTINGUISHER SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH (CFC 906), AND COMPLY WITH STANDARDS OF 906.3 AND DO NOT PROTRUDE MORE THAN 4" INTO THE CIRCULATION ROUTE
12. VALVES CONTROLLING THE WATER SUPPLY FOR AUTOMATIC SPRINKLER SYSTEMS AND WATER-FLOW SWITCHES ON ALL SPRINKLER SYSTEMS SHALL BE ELECTRICALLY MONITORED WHERE THE NUMBER OF SPRINKLERS IS 20 OR MORE (CFC 903.4)
13. ALARM SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH (CFC 908) AND (CBC 11B-215)
14. ALARMS IN PUBLIC USE AREAS AND COMMON USE AREAS SHALL COMPLY WITH (CFC 907.5.2.3.1). WHERE EMPLOYEE WORK AREAS HAVE AUDIBLE ALARM COVERAGE, THE WIRING SYSTEM SHALL BE DESIGNED SO THAT VISIBLE ALARMS COMPLYING WITH (CFC 907.5.2.5) CAN BE INTEGRATED INTO THE ALARM SYSTEM.
15. FIRE ALARM SYSTEMS SHALL HAVE PERMANENTLY INSTALLED AUDIBLE AND VISIBLE ALARMS COMPLYING WITH NFPA 72 (2022 EDITION) (INCORPORATED BY REFERENCE, SEE "REFERENCED STANDARDS" IN CHAPTER 1), EXCEPT THAT THE MAXIMUM ALLOWABLE SOUND LEVEL OF AUDIBLE NOTIFICATION APPLIANCES COMPLYING WITH SECTION 4-3.2.1 OF NFPA 72 (2022 EDITION) SHALL HAVE A SOUND LEVEL NO MORE THAN 110 DB AT THE MINIMUM HEARING DISTANCE FROM THE AUDIBLE APPLIANCE. IN ADDITION, ALARMS IN GUEST ROOMS REQUIRED TO PROVIDE COMMUNICATION FEATURES SHALL COMPLY WITH SECTIONS 4-3 AND 4-4 OF NFPA 72 OR SECTIONS 7.4 AND 7.5 OF NFPA 72. AND (CFC 907.5.2.1) AND (CFC 907.5.2.3).

CONSTRUCTION

1. SCOPE OF DOCUMENTS: THESE DRAWINGS INDICATE THE GENERAL SCOPE OF THE PROJECT IN TERMS OF ARCHITECTURAL DESIGN CONCEPT, THE DIMENSIONS OF THE BUILDING, THE MAJOR ARCHITECTURAL ELEMENTS AND THE TYPE OF STRUCTURAL, MECHANICAL AND ELECTRICAL SYSTEMS. ON THE BASIS OF THE GENERAL SCOPE INDICATED OR DESCRIBED, FURNISH ALL ITEMS REQUIRED FOR THE EXECUTION AND COMPLETION OF THE WORK.
2. THE CONTRACTOR SHALL KEEP AN UP TO DATE SET OF THE CONTRACT DOCUMENT PERMIT SET, INCLUDING APPROVED CHANGE ORDERS, AT THE JOB SITE IN A LOCATION CONVENIENT FOR REFERENCE.
3. THE CONTRACTOR SHALL COORDINATE ALL NECESSARY UTILITY RELOCATIONS WITH THE APPROPRIATE UTILITY PURVEYORS.
4. ALL CONSTRUCTION AND MATERIALS SHALL BE SPECIFIED AS REQUIRED BY THE CALIFORNIA BUILDING CODE, LOCAL GOVERNING CODES AND

12/18/2024 8:02:32 AM TAYLOR & ASSOCIATES ARCHITECTS IF THIS DRAWING IS NOT 30"x42" IT HAS BEEN MODIFIED

CALGREEN

1. ADHESIVES, SEALANTS AND CAULKS USED ON THE PROJECT SHALL MEET THE REQUIREMENTS OF THE FOLLOWING STANDARDS. (SECTION 5.504.4.1 OF CALGREEN). ADHESIVES, ADHESIVE BONDING PRIMERS, ADHESIVE PRIMERS, SEALANTS, SEALANT PRIMERS, AND CAULKS SHALL COMPLY WITH LOCAL OR REGIONAL AIR POLLUTION CONTROL OR AIR QUALITY MANAGEMENT DISTRICT RULES WHERE APPLICABLE, OR SCAQMD RULE 1168 VOC LIMITS, AS SHOWN IN TABLES 5.504.4.1 AND 5.504.4.2 OF CALGREEN. (SECTION 5.504.4.1 AND TABLE 4.504.2/TABLE 5.504.4.2)

SEALANTS	CURRENT VOC LIMIT
ARCHITECTURAL	250
MARINE DECK	760
NONMEMBRANE ROOF	300
ROADWAY	250
SINGLE-PLY ROOF MEMBRANE	450
OTHER	420
SEALANT PRIMERS	
ARCHITECTURAL- NONPOROUS	250
ARCHITECTURAL - POROUS	775
MODIFIED BITUMINOUS	500
MARINE DECK	760
OTHER	750

2. A LETTER FROM THE CONTRACTOR AND OR THE BUILDING OWNER CERTIFYING WHAT MATERIAL HAS BEEN USED AND ITS COMPLIANCE WITH THE CODE MUST BE SUBMITTED TO THE BUILDING INSPECTOR.

3. AEROSOL ADHESIVES, AND SMALLER UNIT SIZES OF ADHESIVES, AND SEALANT OR CAULKING COMPOUNDS (IN UITS OF PRODUCT, LESS PACKAGING, WHICH DO NOT WEIGH MORE THAN ONE POUND AND DO NOT CONSIST OF MORE THAN 16 FLUID OUNCES) SHALL COMPLY WITH STATEWIDE VOC STANDARDS AND OTHER REQUIREMENTS, INCLUDING PROHIBITIONS ON USE OF CERTAIN TOXIC COMPOUNDS, OF CALIFORNIA CODE OF REGULATIONS, TITLE 17, COMMENCING WITH SECTION 94507. TABLE 4.504.1 / TABLE 5.504.4.1 ADHESIVE VOC LIMIT:

ARCHITECTURAL APPLICATIONS	CURRENT VOC LIMIT
INDOOR CARPET ADHESIVES	50
CARPET PAD ADHESIVES	50
OUTDOOR CARPET ADHESIVES	150
WOOD FLOORING ADHESIVES	100
RUBBER FLOOR ADHESIVES	60
SUBFLOOR ADHESIVES	50
CERAMIC TILE ADHESIVES	65
VCT AND ASPHALT TILE ADHESIVES	50
DRYWALL AND PANEL ADHESIVES	50
COVE BASE ADHESIVES	50
MULTIPURPOSE CONSTRUCTION ADHESIVES	70
STRUCTURAL GLAZING ADHESIVES	100
SINGLE-PLY ROOF MEMBRANE ADHESIVES	250
OTHER ADHESIVES NOT SPECIFICALLY LISTED	50
SPECIALTY APPLICATIONS	
PVC WELDING	510
CPVC WELDING	490
ABS WELDING	325
PLASTIC CEMENT WELDING	250
ADHESIVE PRIMER FOR PLASTIC	550
CONTACT ADHESIVE	80
SPECIAL PURPOSE CONTACT ADHESIVE	250
STRUCTURAL WOOD MEMBER ADHESIVE	140
TOP AND TRIM ADHESIVE	250
SUBSTRATE SPECIFIC APPLICATIONS	
METAL TO METAL	30
PLASTIC FOAMS	50
POROUS MATERIAL (EXCEPT WOOD)	50
WOOD	30
FIBERGLASS	80

4. ARCHITECTURAL PAINTS AND COATINGS SHALL COMPLY WITH TABLE 5.504.4.3 UNLESS MORE STRINGENT LOCAL LIMITS APPLY (SECTION 5.504.3 OF CALGREEN).

5. AEROSOL PAINTS AND COATINGS SHALL MEET THE PRODUCT-WEIGHTED MIR LIMITS FOR ROC IN SECTION 94522(a)(3) AND OTHER REQUIREMENTS, INCLUDING PROHIBITIONS ON USE OF CERTAIN TOXIC COMPOUNDS AND OZONE DEPLETING SUBSTANCES AND IN AREAS UNDER THE JURISDICTION OF THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT ADDITIONALLY COMPLY WITH THE PERCENT VOC BY WEIGHT OF PRODUCT LIMITS OF REGULATION 8 RULE 49. (CCR, TITLE 17, SECTION 94520 ET SEQ). (SECTION 5.504.4.3.1 OF CALGREEN.)

6. CONTRACTOR TO PROVIDE LETTER CERTIFYING WHAT PAINT HAS BEEN USED AND ITS COMPLIANCE WITH THE CODE TO BE SUBMITTED TO THE BUILDING INSPECTOR.

7. CARPET SYSTEMS. ALL CARPET INSTALLED IN THE BUILDING INTERIOR SHALL MEET AT LEAST ONE OF THE FOLLOWING TESTING AND PRODUCT REQUIREMENTS WHICH ARE LISTED IN SECTION 5.504.4.4 OF CALGREEN
   A. CARPET AND RUG INSTITUTES' GREEN LABEL PLUS PROGRAM
   B. COMPLIANT WITH THE VOC-EMISSION LIMITS AND TESTING REQUIREMENTS SPECIFIED IN THE CALIFORNIA DEPARTMENT OF PUBLIC HEALTH STANDARD METHOD FOR TESTING AND EVALUATION OF VOLATILE ORGANIC CHEMICAL EMISSIONS FROM INDOOR SOURCES USING ENVIRONMENT CHAMBERS, VERSION 1.1, FEBRUARY 2010 (ALSO KNOWN AS CDPH STANDARD METHOD V1.1 OR SPECIFICATION 01350)
   C. NSF/ANSI 140 AT THE GOLD LEVEL OR HIGHER
   D. SCIENTIFIC CERTIFICATION SYSTEMS SUSTAINABLE CHOICE
   E. COMPLIANCE WITH THE CALIFORNIA COLLABORATIVE FOR HIGH PERFORMANCE SCHOOLS (2014 CA-CHPS) CRITERIA INTERPRETATION FOR EQ 2.2 DATED JULY 2012 AND LISTED IN THE CHPS HIGH PERFORMANCE PRODUCT DATABASE.

8. ALL CARPET CUSHION INSTALLED IN THE BUILDING INTERIOR SHALL MEET THE REQUIREMENTS OF THE CARPET AND RUG INSTITUTE GREEN LABEL PROGRAM. ALL CARPET ADHESIVE SHALL MEET THE REQUIREMENTS OF TABLE 5.504.4.1. A LETTER FROM THE INSTALLER CERTIFYING COMPLIANCE MUST BE SUBMITTED TO THE BUILDING INSPECTOR. (SECTION 5.504.4.4.1, 5.504.4.4.2 OF CALGREEN)

9. RESILIENT FLOOR SYSTEMS. AT LEAST 80% OF THE FLOOR AREA RECEIVING RESILIENT FLOORING SHALL MEET AT LEAST ONE OF THE FOLLOWING CRITERIA (SECTION 5.504.4.6 OF CALGREEN):
   A. CERTIFIED UNDER THE RESILIENT FLOOR COVERING INSTITUTE (RFCI) FLOORSCORE PROGRAM.
   B. COMPLIANT WITH THE VOC-EMISSION LIMITS AND TESTING REQUIREMENTS SPECIFIED IN THE CALIFORNIA DEPARTMENT OF PUBLIC HEALTH'S 2017 STANDARD METHOD FOR THE TESTING AND EVALUATION CHAMBERS, VERSION 1.2, FEBRUARY 2010.
   C. COMPLIANT WITH THE CALIFORNIA COLLABORATIVE FOR HIGH PERFORMANCE SCHOOLS (2014 CA-CHPS) CRITERIA INTERPRETATION FOR EQ 2.2 DATED JULY 2012 AND LISTED IN THE CHPS HIGH PERFORMANCE PRODUCT DATABASE.
   D. PRODUCTS CERTIFIED UNDER UL GREENGUARD GOLD (FORMERLY THE GREENGUARD CHILDREN'S & SCHOOLS PROGRAM).

10. FORMALDEHYDE LIMITS PER TABLE 4.504.5 / TABLE 5.504.4.5

PRODUCT	CURRENT LIMIT
HARDWOOD PLYWOOD VENEER	0.05
HARDWOOD PLYWOOD COMPOSITE CORE	0.05
PARTICLEBOARD	0.09
MEDIUM DENSITY FIBERBOARD	0.11
THIN MEDIUM DENSITY FIBERBOARD	0.13

OSHPD

1. THE INTENT OF THE CONSTRUCTION DOCUMENTS IS TO RECONSTRUCT THE HOSPITAL IN ACCORDANCE WITH THE 2022 CBSC. SHOULD ANY CONDITION DEVELOP NOT COVERED BY THE APPROVED CONSTRUCTION DOCUMENTS, WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH THE 2022 CBSC, AMENDED CONSTRUCTION DOCUMENTS (ACDs) DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY OSHPD BEFORE PROCEEDING WITH THE WORK (CAC 7-109, CBC 107 AND CBC 116).

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 2022 CBC SECTION 1617A.1.18 AND PIN 68. EQUIPMENT SUPPORTS AND ATTACHMENTS SHALL BE APPROVED BY THE APPROPRIATE DESIGN PROFESSIONAL OF RECORD (DPOR) AND OSHPD AS PART OF FIELD REVIEWS/OBSERVATIONS. THE INSPECTOR OF RECORD (IOR) SHALL ASSURE THAT THE ABOVE REQUIREMENTS ARE ENFORCED (CBC 107 AND 1617A.1.18 AND PIN 68).

3. EQUIPMENT SUPPORT, ATTACHMENTS, AND SPECIAL SEISMIC CERTIFICATION SHALL BE APPROVED BY OSHPD, PRIOR TO FABRICATION AND INSTALLATION. IF THE EQUIPMENT HAS BEEN SPECIFIED SUCH THAT SUPPORTS AND ATTACHMENT DETAILS CAN BE DETERMINED, THEN THE DETAILS SHALL BE ON THE CONSTRUCTION DOCUMENTS. NO REFERENCE TO "OR EQUAL" IS ALLOWED UNLESS IT IS CLEARLY SPECIFIED THAT ANY "OR EQUAL" SUBSTITUTIONS SHALL BE APPROVED BY OSHPD THROUGH AMENDED CONSTRUCTION DOCUMENTS (CAC 7-115, 7-126, AND CBC 107).

4. WHERE CONSTRUCTION DRAWINGS REFERENCE OSHPD PREAPPROVAL OF MANUFACTURER'S CERTIFICATION (OPM) NUMBERS FOR SPECIFIC PIECES OF EQUIPMENT, THE CONSULTANT SHALL VERIFY THAT THE PRE-APPROVAL IS APPROPRIATE AND REVIEW THE PRE-APPROVED DOCUMENTS TO DETERMINE WHAT WORK THE PRE-APPROVAL REQUIRES THE CONSULTANT TO PERFORM. IF THE INSTALLATION VARIES IN ANY WAY FROM THAT SHOWN IN THE OPM, PROVIDE COMPLETE CALCULATIONS FOR SUPPORTS AND ATTACHMENTS OF THE COMPONENT AND SYSTEM OR CALCULATIONS THAT VERIFY THAT THE PROPOSED SUPPORTS AND ATTACHMENT DETAIL ARE CODE COMPLIANT. A COPY OF THE CHOSEN BRACING SYSTEM(S) INSTALLATION GUIDE / MANUAL SHALL BE ON THE JOBSITE PRIOR TO STARTING THE INSTALLATION OF THE COMPONENT, EQUIPMENT, HANGERS AND / OR BRACES (CAC 7-115 AND 7-126).

5. PRE-APPROVED NONSTRUCTURAL COMPONENT SUPPORTS AND ATTACHMENTS INSTALLED UNDER THE 2022 CBC SHALL HAVE AN APPROVED OPM NUMBER (CAC 7-115, 7-126, AND CBC 107).

6. PRE-APPROVED PIPES, DUCTS, AND CONDUITS SEISMIC BRACING (CAC 7-115, 7-126, 7-153, AND CBC 107)
   A. LAYOUT DRAWINGS OF THE SUPPORTS, ATTACHMENTS, AND BRACING SYSTEMS IN ACCORDANCE WITH THE PRE-APPROVAL SHALL BE SUBMITTED TO THE REGISTERED DESIGN PROFESSIONAL (DPOR) 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 SATISFY THE REQUIREMENTS OF ASCE 7 AS MODIFIED BY THE 2022 CBC SECTION 1617A.1. SEE PIN 62 FOR ADDITIONAL REQUIREMENTS.
   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 DOCUMENT (ACD).
   C. LAYOUT DRAWINGS (WITH SHOP DRAWING STAMP) SHALL BE SUBMITTED TO OSHPD FOR REVIEW.
      1. THE STRUCTURAL ENGINEER OF RECORD (SEOR) SHALL VERIFY THAT THE SUPPORTING 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 OTHER LOADS.
      2. THE SEOR SHALL FORWARD THE SUPPORTS, ATTACHMENTS, AND BRACING DRAWINGS (INCLUDING APPROVED AMENDED CONSTRUCTION DOCUMENTS FOR SUPPLEMENTARY FRAMING WHERE REQUIRED) TO THE DISCIPLINE IN RESPONSIBLE CHARGE WITH A NOTATION INDICATING THE DRAWINGS HAVE BEEN REVIEWED AND ARE IN GENERAL CONFORMANCE WITH THE PRE-APPROVAL AND THE DESIGN OF THE PROJECT.
      3. A "SHOP DRAWING STAMP" MAY BE USED TO INDICATE COMPLIANCE WITH THIS REQUIREMENT.
      4. THE REGISTERED DESIGN PROFESSIONAL (DPOR), OTHER THAN SEOR, MAY PROVIDE THE SHOP DRAWING STAMP FOR SMALL PROJECTS AT THE DISCRETION OF THE OSHPD DISTRICT STRUCTURAL ENGINEER (DSE).
         a. STRUCTURE SUPPORTING THE DISTRIBUTION SYSTEM HAS ADEQUATE CAPACITY
         b. SEISMIC DESIGN FORCES ARE IN ACCORDANCE WITH THE 2022 CBC; AND VERIFY THAT THE SUBMITTAL IS WITHIN THE SCOPE OF OSHPD PRE-APPROVAL OF MANUFACTURER'S CERTIFICATION (OPM);
            1. FOR SIZE OF DISTRIBUTION SYSTEM COMPONENTS,
            2. SPACING OF BRACING AND FLEX. JOINTS, AND
            3. SUBSTRATE ATTACHMENTS.
   D. LAYOUT DRAWINGS (WITH 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 IOR WITH ONE COPY OF EACH.
   F. COMPONENTS OF TWO OR MORE PRE-APPROVED BRACING SYSTEMS SHALL NOT BE MIXED. ONLY ONE PRE-APPROVED BRACING SYSTEM MAY BE USED FOR A RUN OF PIPE, DUCT, OR CONDUIT. ANY SUBSTITUTION OF COMPONENT OF AN OPM SYSTEM SHALL REQUIRED OSHPD REVIEW AND APPROVAL.

7. 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 REINFORCEMENT AND THE DRILLED-IN ANCHOR AND/OR PIN (CBC 1617A.1.19 AND CBC 1617A.1.20).

OSHPD (CONTINUED)

8. THE PROJECT IOR SHALL PERFORM CONTINUOUS INSPECTION OF THE PROJECT WITH THE FOLLOWING DUTIES AND AS REQUIRED BY THE GOVERNING BUILDING CODE(S):
   A. THE INSPECTOR(S) OF RECORD SHALL MAINTAIN FIELD RECORDS OF CONSTRUCTION A. PROGRESS FOR EACH DAY OR ANY PORTION OF THE DAY THAT THEY ARE PRESENT AT THE PROJECT SITE LOCATION. THE FIELD RECORD SHALL STATE TIME OF ARRIVAL, TIME OF DEPARTURE, A SUMMARY OF WORK IN PROGRESS AND NOTED DEFICIENCIES IN THE CONSTRUCTION OR DEVIATIONS FROM THE APPROVED CONSTRUCTION DOCUMENTS. THE FIELD RECORD SHALL DOCUMENT THE DATE, TIME, CORRECTION FOR ANY NOTED DEFICIENCIES OR DEVIATIONS.
   B. ALL FIELD RECORDS OF CONSTRUCTION PROGRESS SHALL BE RETAINED ON THE JOB UNTIL THE COMPLETION OF THE WORK AND SHALL, UPON REQUEST, BE MADE AVAILABLE TO THE OFFICE , THE ARCHITECT OR ENGINEER IN RESPONSIBLE CHARGE AND THE OWNER.
   C. THE INSPECTOR SHALL NOTIFY THE CONTRACTOR, IN WRITING, OF ANY DEVIATION FROM APPROVED CONSTRUCTION DOCUMENTS OR NEW CONSTRUCTION NOT IN COMPLIANCE WITH THE CALIFORNIA BUILDING STANDARDS CODE, WHICH HAVE NOT BEEN IMMEDIATELY CORRECTED BY THE CONTRACTOR, COPIES OF SUCH NOTICE SHALL BE FORWARDED IMMEDIATELY TO THE ARCHITECT OR ENGINEER IN RESPONSIBLE CHARGE, OWNER AND TO THE OFFICE.

9. SPACING AND DETAILS OF THE SUPPORTS, ATTACHMENTS, AND BRACING OF FIRE SPRINKLER PIPING SHALL COMPLY WITH THE NFPA 13 AS MODIFIED BY 2022 CBC SECTIONS 1617A.1 AND SFM 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 (CAC 7-115, 7-126, AND CBC 107).

ACCESSIBILITY

1. COMPLY WITH THE (ADA) AMERICAN WITH DISABILITY ACT AND THE TITLE 24 ACCESSIBILITY REQUIREMENTS OF THE CBC CHAPTER 11B.
   A. CONSTRUCTION SUPPORT FACILITIES:
      1. CONTRACTOR SHALL APPLY REQUIREMENTS TO TEMPORARY OR PERMANENT CONSTRUCTION SUPPORT FACILITIES FOR USES AND ACTIVITIES NOT DIRECTLY ASSOCIATED WITH THE ACTUAL PROCESSES OF CONSTRUCTION, INCLUDING BUT NOT LIMITED TO OFFICES, MEETING ROOMS, PLAN ROOMS, OTHER ADMINISTRATIVE OR SUPPORT FUNCTIONS. WHEN PROVIDED, TOILET AND BATHING FACILITIES SERVING CONSTRUCTION SUPPORT FACILITIES SHALL COMPLY WITH SECTION 11B-213. WHEN TOILET AND BATHING FACILITIES SERVING CONSTRUCTION SUPPORT FACILITIES ARE PROVIDED BY PORTABLE UNITS, AT LEAST ONE OF EACH TYPE SHALL BE ACCESSIBLE AND CONNECTED TO THE CONSTRUCTION SUPPORT FACILITIES IT SERVES BY AN ACCESSIBLE ROUTE. (CBC 11B-201.4)

2. WHERE CBC CHAPTER 11B AND THE ADA ARE AT VARIANCE WITH EACH OTHER IN THEIR REQUIREMENTS, COMPLY WITH THE MORE RESTRICTIVE REQUIREMENT THAT SATISFIES BOTH CODES. THE DIVISION OF THE STATE ARCHITECT HAS ISSUED INTERPRETATIONS FOR SOME SPECIFIC CONFLICTS AS FOLLOWS:
   A. REFER TO DSA IR 11B-4 FOR ALTERNATIVE DESIGNS OF DETECTABLE WARNING SURFACES;
   B. REFER TO DSA IR 11B-5 FOR TECHNICAL CRITERIA TO OPERATE EXTERIOR DOORS.

3. ACCESSIBLE ROUTE OF TRAVEL (PATH OF TRAVEL):
   A. PROVIDE AN ACCESSIBLE ROUTE OF TRAVEL COMPLYING WITH CBC 11B-402.1;
   B. AT LEAST ONE ACCESSIBLE ROUTE WITHIN THE BOUNDARY OF THE SITE SHALL BE PROVIDED FROM PUBLIC TRANSPORTATION STOPS, ACCESSIBLE PARKING AND ACCESSIBLE PASSENGER DROP-OFF AND LOADING ZONES AND PUBLIC STREETS OR SIDEWALKS TO THE ACCESSIBLE BUILDING ENTRANCE THEY SERVE. WHERE MORE THAN ONE ROUTE IS PROVIDED, ALL ROUTES MUST BE ACCESSIBLE. (CBC 11B-206.2.1);
   C. AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT ACCESSIBLE BUILDINGS, FACILITIES, ELEMENTS AND SPACES THAT ARE ON THE SAME SITE. (CBC 11B-206.2.2);
   D. AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT ACCESSIBLE BUILDING OR FACILITY ENTRANCES WITH ALL ACCESSIBLE SPACES AND ELEMENTS WITHIN THE BUILDING OR FACILITY (CBC 11B-206.2.4);
   E. ALL ENTRANCES SHALL COMPLY WITH SECTION 11B-404 (CBC 11B-206.4.1);
   F. IN EXISTING BUILDINGS AND FACILITIES WHERE NOT ALL ENTRANCES COMPLY WITH SECTION 11B-404, ENTRANCES COMPLYING WITH SECTION 11B-404 SHALL BE IDENTIFIED BY THE INTERNATIONAL SYMBOL OF ACCESSIBILITY COMPLYING WITH SECTION 11B-703.7.2.1. DIRECTIONAL SIGNS COMPLYING WITH 11B-703.5 THAT INDICATE THE LOCATION OF THE NEAREST ENTRANCE COMPLYING WITH SECTION 11B-404 SHALL BE PROVIDED AT ENTRANCES THAT DO NOT COMPLY WITH SECTION 11B-404. DIRECTIONAL SIGNS COMPLYING WITH SECTION 11B-703.5, INCLUDING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY COMPLYING WITH SECTION 11B-703.7.2.1 INDICATING THE ACCESSIBLE ROUTE TO THE NEAREST ACCESSIBLE ENTRANCE SHALL BE PROVIDED AT JUNCTIONS WHEN THE ACCESSIBLE ROUTE DIVERGES FROM THE REGULAR CIRCULATION PATH. (CBC 11B-216.6).
   G. CURB RAMPS, BLENDED TRANSITIONS AND ISLANDS ON ACCESSIBLE ROUTES SHALL COMPLY WITH SECTION 11B-406. CURB RAMPS MAY BE PERPENDICULAR, PARALLEL, OR A COMBINATION OF PERPENDICULAR AND PARALLEL. (CBC 11B-406.1).
   H. WHERE PROVIDED, PASSENGER DROP-OFF AND LOADING ZONES SHALL COMPLY WITH CBC 11B-503. PASSENGER DROP-OFF AND LOADING ZONES SHALL PROVIDE ACCESS AISLES COMPLYING WITH SECTION 11B-503 ADJACENT AND PARALLEL TO THE VEHICLE PULL-UP SPACE. ACCESS AISLES SHALL ADJOIN AN ACCESSIBLE ROUTE AND SHALL NOT OVERLAP THE VEHICULAR WAY; (CBC 11B-503, 11B-503.3).
   I. RAMPS USED AS EXIT SHALL COMPLY WITH CBC 1023.1 AND CBC 1027.1. RAMPS ON ACCESSIBLE ROUTES SHALL COMPLY WITH SECTION 11B-405;
   J. WALKING SURFACES THAT ARE A PART OF AN ACCESSIBLE ROUTE SHALL COMPLY WITH (CBC 11B-403.1);
   K. CHANGES IN LEVEL MAY BE VERTICAL WITHOUT EDGE TREATMENT UP TO ¼". CHANGES IN LEVEL BETWEEN ¼" AND ½" SHALL BE BEVELED AND WITH A SLOPE NO GREATER THAN 1:2. CHANGES IN LEVEL GREATER THAN ½" SHALL BE ACCOMPLISHED BY MEANS OF A COMPLYING CURB RAMP, RAMP, ELEVATOR OR PLATFORM LIFT. (CBC 11B-303);
   L. THE RUNNING SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:20. CROSS-SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:48 (CBC 11B-403.3). RAMP RUNS SHALL HAVE A RUNNING SLOPE NOT STEEPER THAN 1:12. CROSS SLOPE OF RAMP RUNS SHALL NOT BE STEEPER THAN 1:48. (CBC 11B-405). CHANGES IN LEVEL OTHER THAN THE RUNNING SLOPE AND CROSS SLOPE ARE NOT PERMITTED ON RAMP RUNS. (CBC 11B-405.4);
   M. IN NEW CONSTRUCTION OF BUILDINGS WHERE ELEVATORS ARE REQUIRED BY SECTION 11B-206.2.3 AND WHICH EXCEED 10,000 SQUARE FEET ON ANY FLOOR, AN ACCESSIBLE MEANS OF VERTICAL ACCESS VIA RAMP, ELEVATOR OR LIFT SHALL BE PROVIDED WITHIN 200 FEET OF TRAVEL OF EACH STAIR AND EACH ESCALATOR. IN EXISTING BUILDINGS THAT EXCEED 10,000 SQUARE FEET ON ANY FLOOR AND IN WHICH ELEVATORS ARE REQUIRED BY SECTION 11B-206.2.3 WHENEVER A NEWLY CONSTRUCTED MEANS OF VERTICAL ACCESS IS PROVIDED VIA STAIRS OR AN ESCALATOR, AN ACCESSIBLE MEANS OF VERTICAL ACCESS VIA RAMP, ELEVATOR OR LIFT SHALL BE PROVIDED WITHIN 200 FEET OF TRAVEL OF EACH NEW STAIR OR ESCALATOR; (CBC 11B-206.2.3.2).
   N. FLOOR AND GROUND SURFACES SHALL BE STABLE, FIRM, AND SLIP RESISTANT AND SHALL COMPLY WITH SECTION 11B-302
   O. FLOOR OR GROUND SURFACES SHALL BE FREE OF OPENINGS WHENEVER POSSIBLE. OPENINGS SHALL NOT ALLOW PASSAGE OF A SPHERE MORE THAN ½" DIAMETER EXCEPT AS ALLOWED IN SECTIONS 11B-407.4.3, 11B-409.4.3, 11B-410.4, 11B-810.5.3, AND 11B-810.10. ELONGATED OPENINGS SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL. (CBC 11B-302.3)
   P. ACCESSIBLE ROUTES SHALL CONSIST OF ONE OR MORE OF THE FOLLOWING COMPONENTS; WALKING SURFACES WITH RUNNING SLOPE NOT STEEPER THAN 1:20, DOORWAYS, RAMPS, CURB RAMPS EXCLUDING THE FLARED SIDES, ELEVATORS AND PLATFORM LIFTS. ALL COMPONENTS OF AN ACCESSIBLE ROUTE SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF DIVISION 4. (CBC. 11-B-402.2)

ACCESSIBILITY (CONTINUED)

   Q. THE CLEAR WIDTH FOR SIDEWALKS AND WALKS SHALL BE 48 INCHES MINIMUM. (CBC 11B-403.5.1)
   R. TOP OF GRIPPING SURFACES OF HANDRAILS SHALL BE 34 INCHES MINIMUM AND 38 INCHES MAXIMUM VERTICALLY ABOVE WALKING SURFACES, STAIR NOSINGS, AND RAMP SURFACES. HANDRAILS SHALL BE AT A CONSISTENT HEIGHT ABOVE WALKING SURFACES, STAIR NOSINGS, AND RAMP SURFACES. (CBC 11B-505.4)

4. ACCESSIBLE EGRESS:
   A. PROVIDE ACCESSIBLE EGRESS IN PORTIONS OF BUILDING REQUIRED TO BE ACCESSIBLE IN COMPLIANCE WITH CBC 1009 AND CBC 11B AS APPLICABLE.
   B. FIRE ALARM SYSTEMS SHALL HAVE PERMANENTLY INSTALLED AUDIBLE AND VISIBLE ALARMS COMPLYING WITH NFPA 72 AND CFC 907.5.2.1 AND 907.5.2.3

5. ACCESSIBLE DOORS:
   A. AUTOMATIC AND POWER ASSISTED DOORS SHALL COMPLY WITH CBC 11B-404.3; FULL-POWERED AUTOMATIC DOORS SHALL COMPLY WITH ANSI/BHMA A156.10. LOW-ENERGY AND POWER-ASSISTED DOORS SHALL COMPLY WITH ANSI/BHMA A156.19
   B. THERE SHALL BE A FLOOR OR LANDING ON EACH SIDE OF A DOOR. SUCH FLOOR OR LANDING SHALL BE AT THE SAME ELEVATION ON EACH SIDE OF THE DOOR. LANDINGS SHALL BE LEVEL EXCEPT FOR EXTERIOR LANDINGS, WHICH ARE PERMITTED TO HAVE A SLOPE NOT TO EXCEED 2 PERCENT SLOPE. (CBC 1010.1.4);
   C. THE FORCE FOR PUSHING OR PULLING SWINGING EGRESS DOORS AND GATES, SHALL NOT EXCEED 5 POUNDS. (CBC 11B-309.4 AND 11B-404.2.9);
   D. SWINGING DOOR AND GATE SURFACES WITHIN 10 INCHES OF THE FINISH FLOOR OR GROUND MEASURED VERTICALLY SHALL HAVE A SMOOTH SURFACE ON THE PUSH SIDE EXTENDING THE FULL WIDTH OF THE DOOR OR GATE. (CBC 11B-404.2.10);
   E. PROVIDE MANEUVERING CLEARANCE AT DOORS AND GATES TO COMPLY WITH (CBC 11B-404.2.4)

6. HAZARDS:
   A. OBJECTS WITH LEADING EDGES MORE THAN 27 INCHES AND NOT MORE THAN 80 INCHES ABOVE THE FINISH FLOOR OR GROUND SHALL PROTRUDE 4 INCHES MAXIMUM HORIZONTALLY INTO THE CIRCULATION PATH. (CBC 11B-307.2);
   B. PROVIDE DETECTABLE WARNINGS AS REQUIRED BY CBC 11B-247.1.2. DETECTABLE WARNINGS SHALL COMPLY WITH CBC 11B-705.1.

7. CONTROLS AND MECHANISMS:
   A. OPERABLE PARTS ON ACCESSIBLE ELEMENTS, ACCESSIBLE ROUTES, AND IN ACCESSIBLE ROOMS AND SPACES SHALL COMPLY WITH CBC 11B-309. (CBC 11B-205);
   B. PROVIDE CLEAR FLOOR OR GROUND SPACE COMPLYING WITH CBC 11B-305 (CBC 11B-309.2);
   C. PLACE OPERABLE PARTS WITHIN ONE OR MORE OF THE REACH RANGES COMPLYING WITH CBC 11B-308 (CBC 11B-309.3);
   D. INSTALL ELECTRICAL SWITCHES AND RECEPTACLES WITHIN ALLOWABLE REACH RANGES. LOW REACH SHALL BE MEASURED TO THE BOTTOM OF THE OUTLET BOX AND HIGH REACH SHALL BE MEASURED TO THE TOP OF THE OUTLET BOX IN COMPLIANCE WITH CBC 11B-308.1.1 AND 11B-308.1.2
   E. REACH RANGES:
      1. HIGH FORWARD REACH THAT IS UNOBSTRUCTED SHALL BE 48 INCHES MAXIMUM AND THE LOW FORWARD REACH SHALL BE 15 INCHES MINIMUM ABOVE FINISH FLOOR OR GROUND. CBC 11B-308.2.1.
      2. OBSTRUCTED FORWARD REACH RANGE SHALL BE AS PER FIGURE 11B-308.2.2
      3. SIDE REACH SHALL BE LIMITED AS SHOWN IN FIGURE 11B-308.3.1 FOR UNOBSTRUCTED SIDE REACH, OR PER FIGURE 11B-308.3.2 FOR OBSTRUCTED SIDE REACH
      4. HIGH OBSTRUCTED SIDE REACH SHALL BE AS PER 11B-308.3.2
   F. OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS MAXIMUM. CBC 11B-309.4
      1. EXCEPTION: THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAGE OTHER DEVICES THAT HOLD THE DOOR OR GATE IN A CLOSED POSITION (11B-404.2.9)

8. MECHANICAL ACCESS:
   A. ACCESS TO MECHANICAL APPLIANCES IN UNDER-FLOOR AREAS, IN ATTIC SPACES, AND ON ROOFS OR ELEVATED STRUCTURES SHALL BE IN ACCORDANCE WITH THE MECHANICAL CODE.

9. DIMENSIONS FOR ACCESSIBILITY REQUIREMENTS SHOWN WITH A MINIMUM AND/OR MAXIMUM DIMENSION ARE NOT SUBJECT TO CONVENTIONAL INDUSTRY BUILDING TOLERANCES.

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
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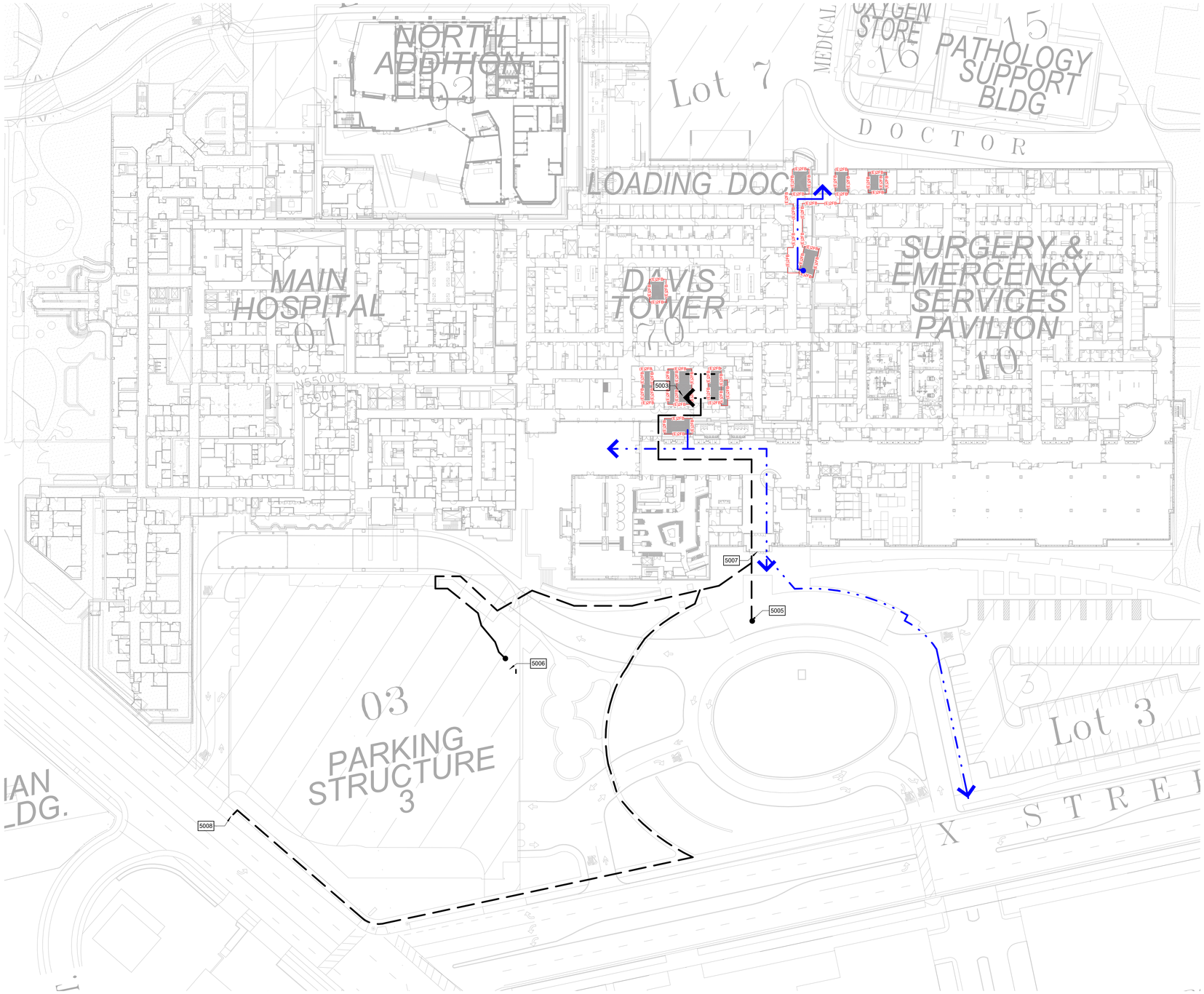
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
6/26/2025, 2:54:24 PM
S250003-34-00
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT CAITLIN W. STEVENSON 36306 REN. 5-31-25 STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF REC

12/18/2024 8:02:35 AM TAYLOR & ASSOCIATES ARCHITECTS. IF THIS DRAWING IS NOT 30"x42" IT HAS BEEN MODIFIED



1 ACCESSIBILTY SITE PLAN
1" = 40'-0"

FIRE & LIFE SAFETY LEGEND

- (E) 1-HR CORRIDOR PER CBC 1020 WITH FIRE PARTITIONS PER CBC 708 OR EXIT PASSAGEWAY PER CBC 1024 WITH FIRE BARRIERS PER CBC 707
- (E) 2-HR FIRE BARRIER AT EXIT STAIR/VERTICAL OPENINGS
- (E) COMMON PATH OF EGRESS TRAVEL PER CBC TABLE 1006.2.1: **75 FEET MAX.** (I-2 OCCUPANCY, FULLY SPRINKLERED)
- (E) EXIT ACCESS TRAVEL DISTANCE PER CBC TABLE 1017.2: **200 FEET MAX.** (I-2 OCCUPANCY, FULLY SPRINKLERED)
- (E) TRAVEL DISTANCE TO NEAREST FIRE EXTINGUISHER PER CFC 906.3: **75 FEET MAX.**
- (E) ACCESSIBLE ROUTE PATH OF TRAVEL PER CBC CHAPTER 2
- (E) NON-RATED WALL
- 1 HOUR FIRE PARTITION
- EXISTING 1 HOUR FIRE PARTITION
- 1 HOUR FIRE BARRIER
- EXISTING 1 HOUR FIRE BARRIER
- 1 HOUR SMOKE BARRIER
- EXISTING 1 HOUR SMOKE BARRIER
- 2 HOUR FIRE BARRIER
- EXISTING 2 HOUR FIRE BARRIER
- 2 HOUR SMOKE BARRIER
- EXISTING 2 HOUR SMOKE BARRIER

ROOM NAME
XXX — ROOM NUMBER
XXX SF — ROOM AREA

OCCUPANT LOAD PER EXIT:
EX = EXTERIOR EXIT
HX = HORIZONTAL EXIT
XE = EXIT ENCLOSURE
XP = EXIT PASSAGEWAY
100 = OCCUPANT LOAD

EX 100 — CUMULATIVE OCCUPANT LOAD PER CBC 1004.2

FDC FDC — FIRE STANDPIPE (NFPA CLASS I). SINGLE OR SIAMESE CONNECTION. INSTALL PER CFC 905.

FEC — FIRE EXTINGUISHER CABINET. INSTALL PER CFC 906.3(1).

FHC — FIRE HOSE CABINET (NFPA CLASS II). INSTALL PER CFC 905.

FHC + FDC — FIRE HOSE CABINET W/ STANDPIPE (NFPA CLASS III). INSTALL PER CFC 905.

ILLUMINATED EXIT SIGN WITH DIRECTIONAL ARROWS AS REQUIRED. INSTALL PER CFC 1013.1

EXIT ACCESS TRAVEL DISTANCE (TABLE 1017.2)

OCCUPANCY	WITHOUT SPRINKLER SYSTEM (feet)	WITH SPRINKLER SYSTEM (feet)
I-2, I-2.1	NOT PERMITTED	200

KEYNOTE LEGEND

KEY	KEYNOTE TEXT
5003	(E) ACCESSIBLE ELEVATOR
5005	(E) PATIENT DROP OFF AREA
5006	(E) ACCESSIBLE PARKING STALL
5007	(E) ACCESSIBLE ENTRANCE
5008	(E) ACCESSIBLE BUS STATION

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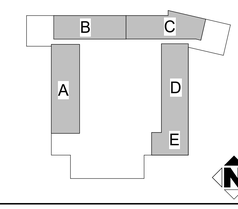
(916)734-7934

TAYLOR design

REV	REVISION DESCRIPTION	DATE

CONST. DOCUMENTS

KEYPLAN

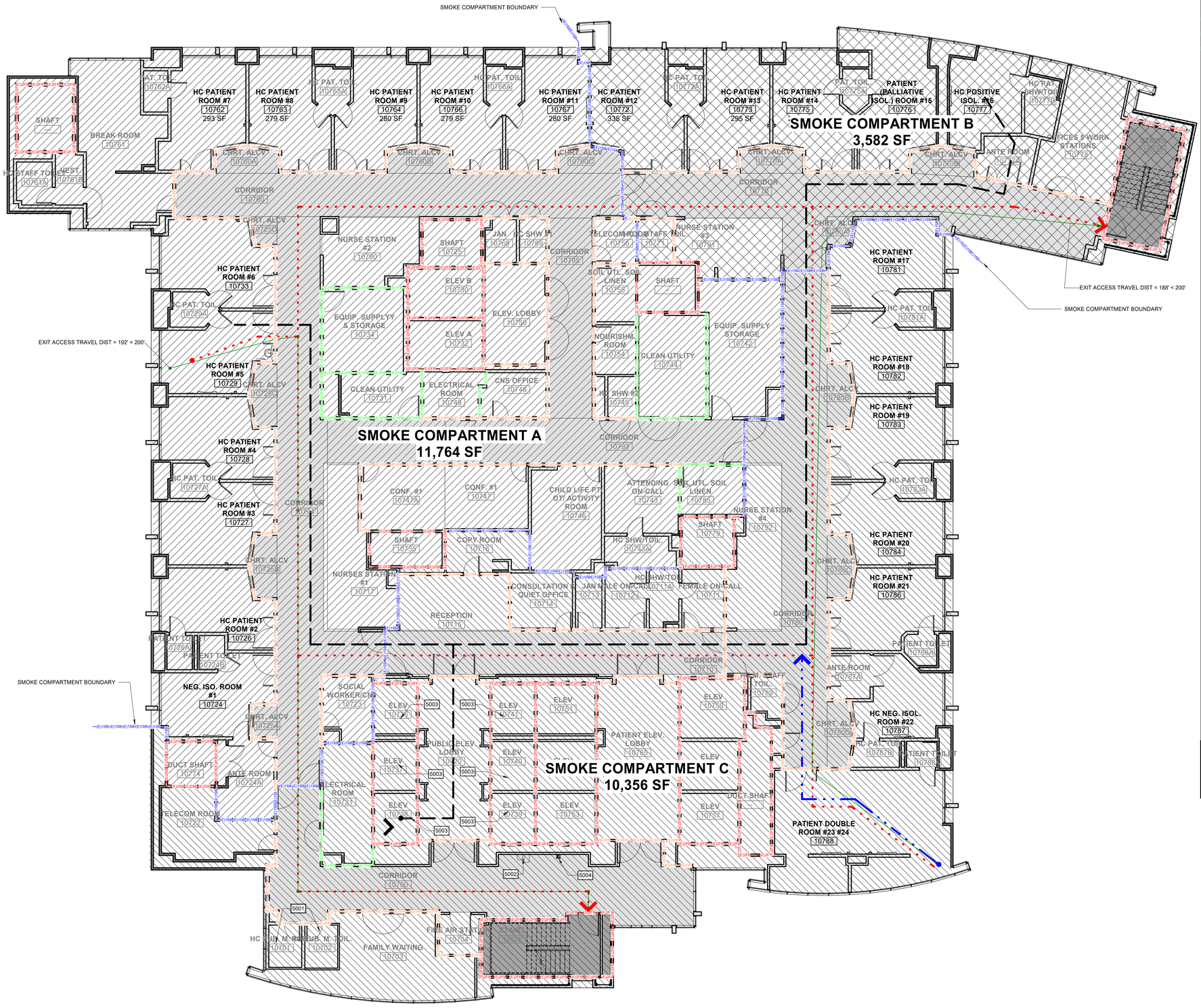


UCDH PROJECT NO.: 9557750
HCAI - OSHPD NO.: S250003-34-00
BUILDING: BLDG-01445
FLOOR LVL/WNG: 10TH FLOOR
PROJECT TITLE: DT10 PICU CEILING TILE & BOOM REPLACEMENT
SHEET TITLE: FIRE LIFE SAFETY & ACCESSIBILITY SITE PLAN

ARCH.\ENGR.	FD&C JOB NO.	SHEET NO.
ARCH	9557750 - L010335	G-040
UCDMC PROJ. MANAGER	SCALE	
SEJAL SHARMA	As indicated	
DESIGNED BY	DATE	
J. HOFFMAN	12/16/24	
DRAWN BY	CAD FILE	SHEET OF
A. VILLAFANE	-	

FILE NAME: Autodesk Docs://8382-UCD-UCDMC PICU Boom/8382-UCD-UCDMC PICU Boom.rvt

3/29/2025 1:28:31 AM TAYLOR & ASSOCIATES ARCHITECTS IF THIS DRAWING IS NOT 30"x42" IT HAS BEEN MODIFIED



FLS GENERAL NOTES

1. THIS IS STRICTLY AN EQUIPMENT REPLACEMENT PROJECT. THE EXISTING FIRE/LIFE SAFETY & ACCESSIBILITY PLAN IS SHOWN FOR REFERENCE ONLY.
2. THERE ARE NO CHANGES OR MODIFICATIONS PROPOSED TO ANY EXISTING FIRE/LIFE SAFETY OR ACCESSIBILITY ELEMENTS AND/OR COMPONENTS. EGRESS ROUTES, EXITS, EXIT ACCESS COMPONENTS, OCCUPANCY LOADS AND FUNCTION OF SPACE REMAIN UNCHANGED. ACCESSIBLE PATH OF TRAVEL ALSO REMAINS UNCHANGED.
3. ACT THERE IS NO FIRE ALARM SCOPE OF WORK ASSOCIATED WITH THIS PROJECT. THE INTENT IS THAT THE FIRE ALARM SYSTEM WILL REMAIN ACTIVE WITH NO DEVICES REMOVED. EXISTING SMOKE DETECTORS WITHIN THE AREA OF CONSTRUCTION WILL BE TEMPORARILY CAPPED FOR THE DURATION OF EACH PHASE OF CONSTRUCTION. SHOULD THE NEED ARISE FOR REMOVAL/REPLACEMENT OF ANY FIRE ALARM DEVICE(S), ADDITIONAL TESTING AND TIO REQUIREMENTS WILL BE REQUIRED. SUCH WORK IS TO BE COORDINATED/COMMUNICATED TO AOR, OR, AND OSHPD FIELD FLSO IN ADVANCE OF THE WORK.

FIRE & LIFE SAFETY LEGEND

- (E) 1-HR CORRIDOR PER CBC 1020 WITH FIRE PARTITIONS PER CBC 708 OR EXIT PASSAGEWAY PER CBC 1024 WITH FIRE BARRIERS PER CBC 707
- (E) 2-HR FIRE BARRIER AT EXIT STAIR/VERTICAL OPENINGS
- (E) COMMON PATH OF EGRESS TRAVEL PER CBC TABLE 1006.2.1: **75 FEET MAX.** (I-2 OCCUPANCY, FULLY SPRINKLERED)
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- 1 HOUR FIRE PARTITION
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- EXISTING 1 HOUR SMOKE BARRIER
- 2 HOUR FIRE BARRIER
- EXISTING 2 HOUR FIRE BARRIER
- 2 HOUR SMOKE BARRIER
- EXISTING 2 HOUR SMOKE BARRIER

ROOM NAME
XXX — ROOM NUMBER
XXX SF — ROOM AREA

EX 100 — **OCCUPANT LOAD PER EXIT:**
EX = EXTERIOR EXIT
HX = HORIZONTAL EXIT
XE = EXIT ENCLOSURE
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ILLUMINATED EXIT SIGN WITH DIRECTIONAL ARROWS AS REQUIRED. INSTALL PER CFC 1013.1

EXIT ACCESS TRAVEL DISTANCE (TABLE 1017.2)

OCCUPANCY	WITHOUT SPRINKLER SYSTEM (feet)	WITH SPRINKLER SYSTEM (feet)
I-2, I-2.1	NOT PERMITTED	200

KEYNOTE LEGEND

KEY	KEYNOTE TEXT
5001	(E) ACCESSIBLE TOILET ROOM
5002	(E) ACCESSIBLE DRINKING FOUNTAINS
5003	(E) ACCESSIBLE ELEVATOR
5004	(E) ACCESSIBLE PUBLIC PHONE

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
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Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
6/26/2025, 2:54:24 PM
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Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT CAITLIN W. STEVENSON 36396 REN. 5-31-25 STATE OF CALIFORNIA

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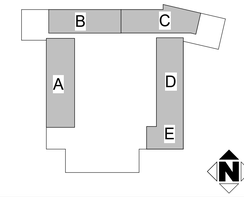
(916)734-7934

TAYLOR design

REV	REVISION DESCRIPTION	DATE
BC1	OSHPD BACKCHECK 1	03/28/2025

CONST. DOCUMENTS

KEYPLAN



UCDH PROJECT NO.: 9557750
HCAI - OSHPD NO.: S250003-34-00
BUILDING: BLDG-01445
FLOOR \ WING: 10TH FLOOR
PROJECT TITLE: DT10 PICU CEILING TILE & BOOM REPLACEMENT
SHEET TITLE: FIRE LIFE SAFETY & ACCESSIBILITY PLAN LEVEL 10

ARCH.\ENGR.	FD&C JOB NO.	SHEET NO.
ARCH	9557750 - L010335	G-041
UCDMC PROJ. MANAGER: SEJAL SHARMA	SCALE: As indicated	
DESIGNED BY: J. HOFFMAN	DATE: 03/28/25	
DRAWN BY: A. VILLAFANE	CAD FILE: -	SHEET / OF

A1 LEVEL 10 OVERALL LIFE SAFETY PLAN
1/8" = 1'-0"

FILE NAME: Autodesk Docs://8382-UCD-UCDMC PICU Boom/8382-UCD-UCDMC PICU Boom.rvt

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LEGEND

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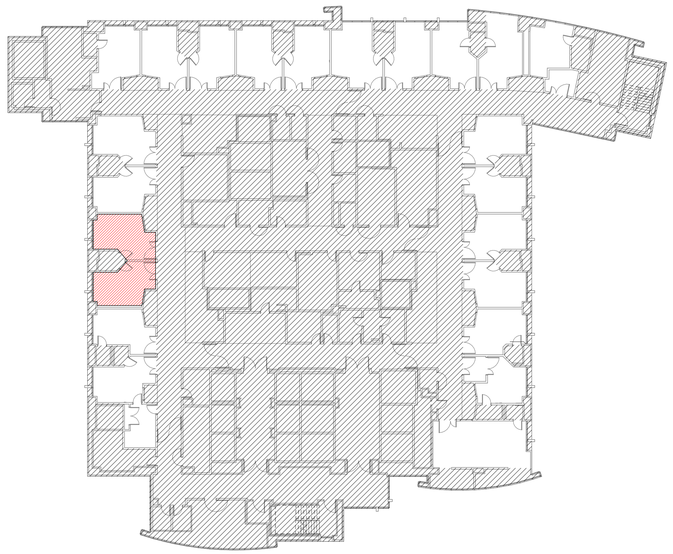
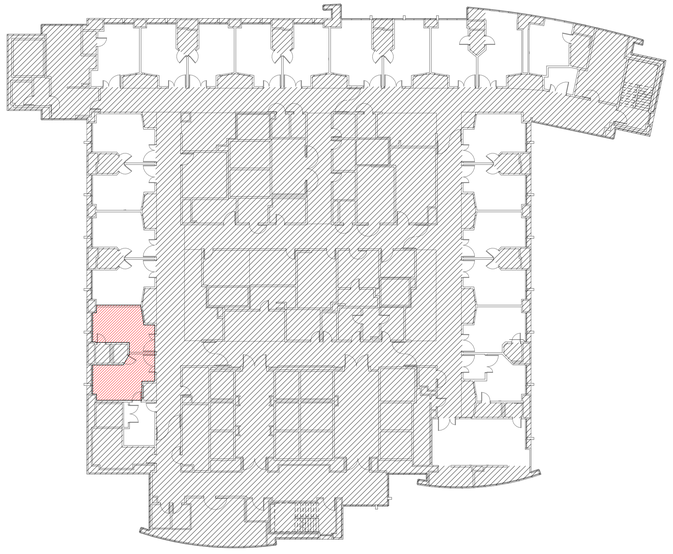
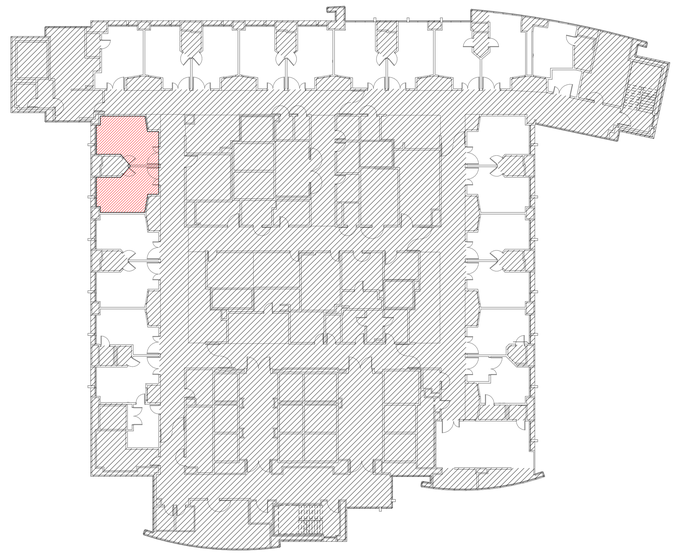
	CONSTRUCTION AREA OF WORK



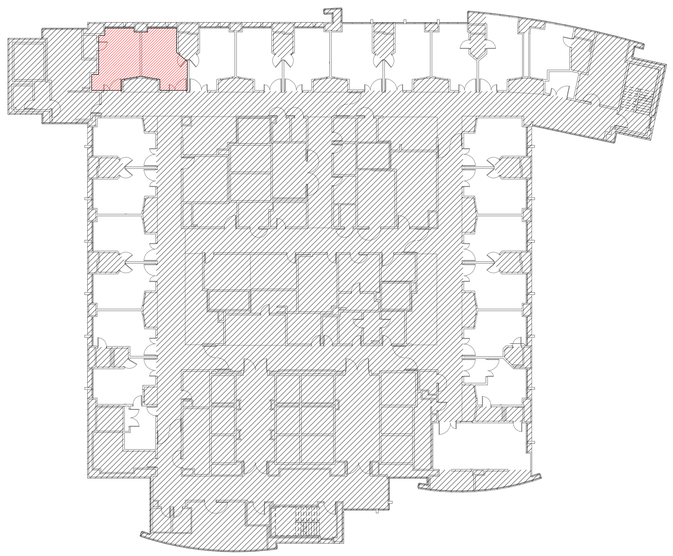
E1 PHASE W1 - PATIENT ROOM #3 (10727) AND #4 (10728)
3/64" = 1'-0"



E4 PHASE W2 - PATIENT ROOM #1 (10724) AND #2 (10726)
3/64" = 1'-0"



E7 PHASE W3 - PATIENT ROOM #5 (10729) AND #6 (10733)
3/64" = 1'-0"



A1 PHASE W4 - PATIENT ROOM #7 (10762) AND #8 (10763)
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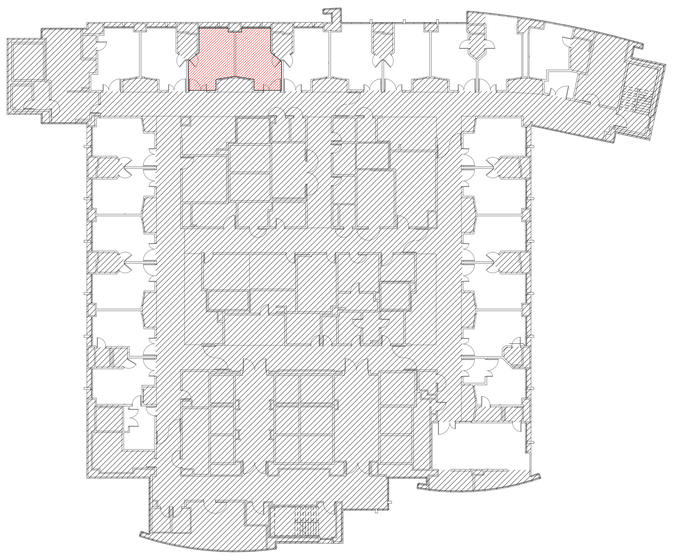
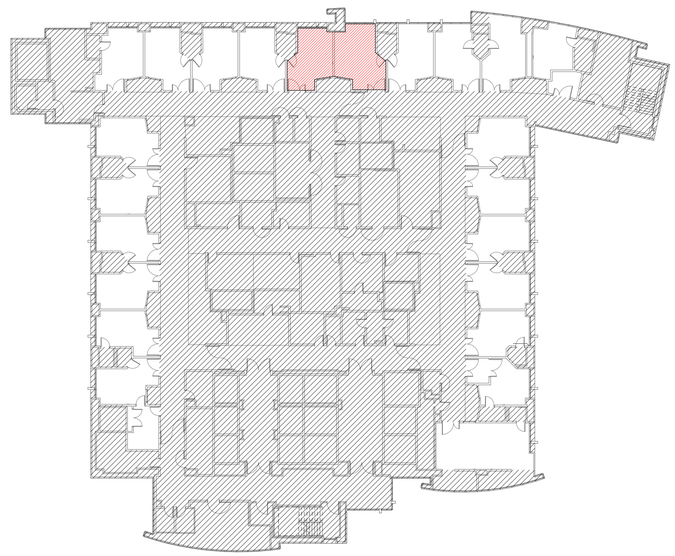


A4 PHASE W5 - PATIENT ROOM #9 (10764) AND #10 (10766)
3/64" = 1'-0"



A7 PHASE W6 - PATIENT ROOM #11 (10767) AND #12 (10772)
3/64" = 1'-0"

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Office of Statewide Hospital Planning and Development
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Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

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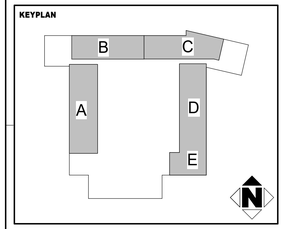
(916)734-7924

TAYLOR design

REV	REVISION DESCRIPTION	DATE
BC1	OSHPD BACKCHECK 1	03/28/2025

CONST. DOCUMENTS

KEYPLAN



UCDH PROJECT NO.: 9557750
HCAI - OSHPD NO.: S250003-34-00
BUILDING: BLDG-01445
FLOOR / WING: 10TH FLOOR
PROJECT TITLE: DT10 PICU CEILING TILE & BOOM REPLACEMENT
SHEET TITLE: CONSTRUCTION PHASING PLANS - WEST

ARCH / ENGR.	FD&C JOB NO.	SHEET NO.
ARCH	9557750 - L010335	G-042
UCDMC PROJ. MANAGER	SCALE	
SEJAL SHARMA	As indicated	
DESIGNED BY	DATE	
J. HOFFMAN	03/28/25	
DRAWN BY	CAD FILE	SHEET / OF
A. VILLAFANE	-	

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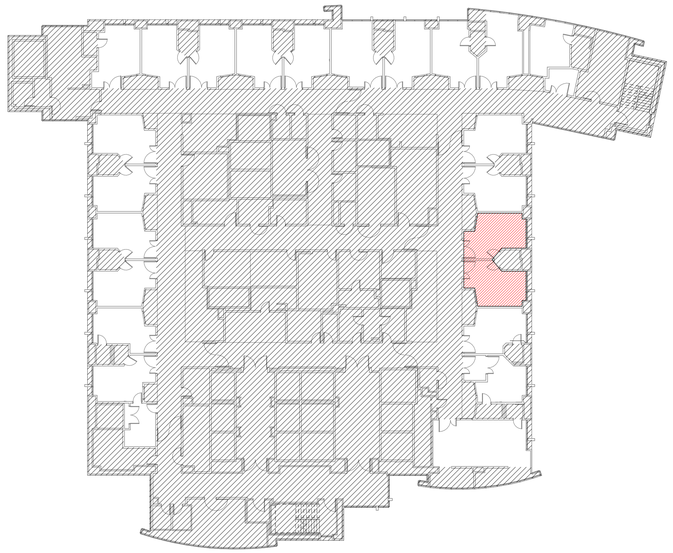
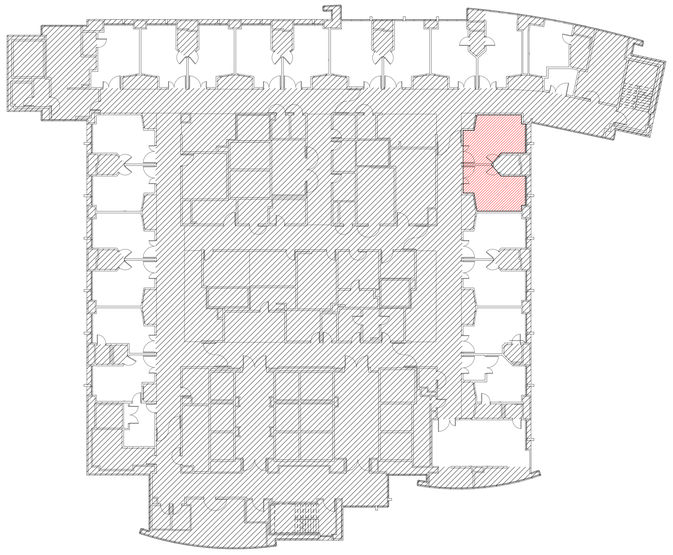
LEGEND

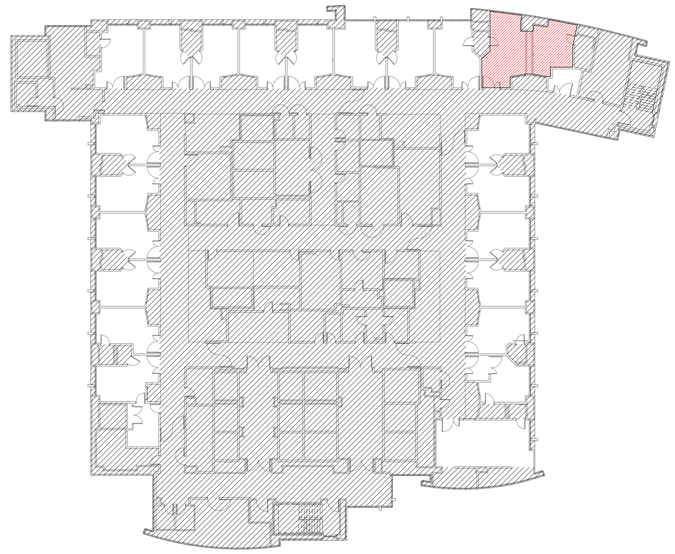
	NOT IN SCOPE
	CONSTRUCTION AREA OF WORK



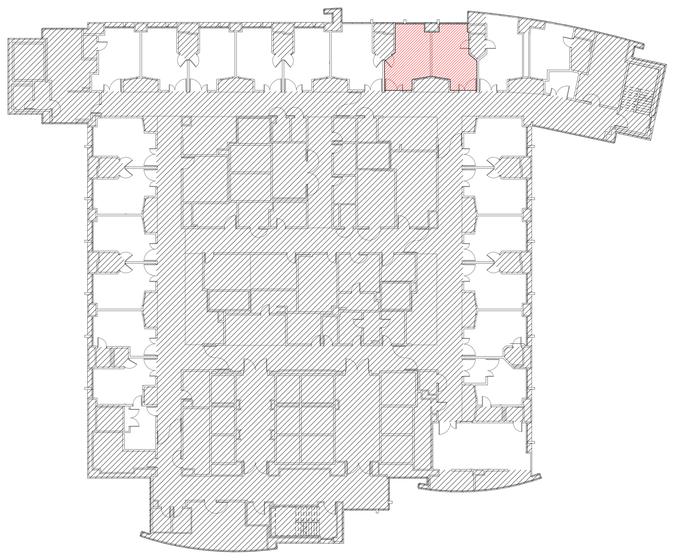
E1 PHASE E1 - PATIENT ROOM #19 (10783) AND #20 (10784)
3/64" = 1'-0"



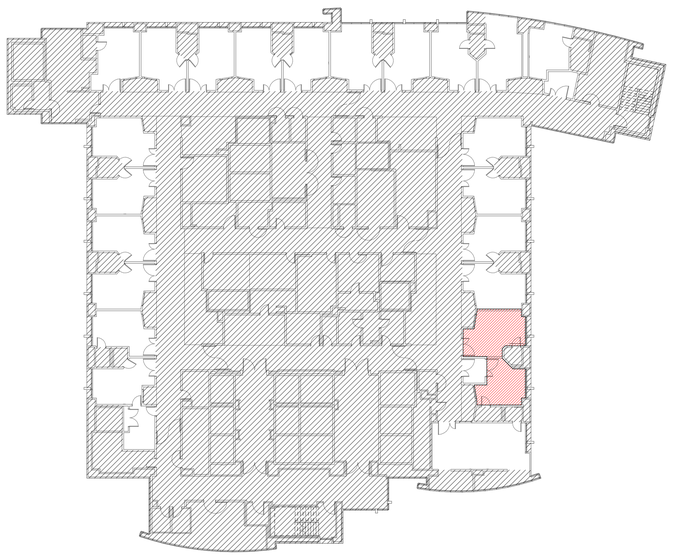
E4 PHASE E2 - PATIENT ROOM #17 (10781) AND #18 (10782)
3/64" = 1'-0"



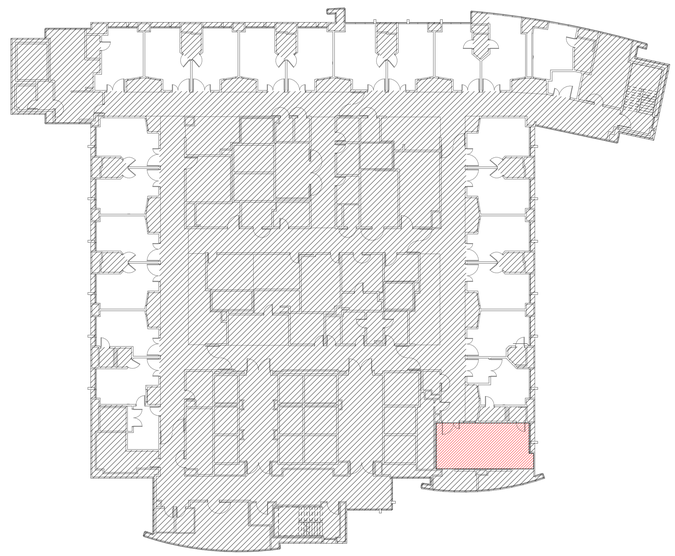
E7 PHASE E3 - PATIENT ROOM #15 (10776) AND #16 (10777)
3/64" = 1'-0"



A1 PHASE E4 - PATIENT ROOM #13 (10773) AND #14 (10775)
3/64" = 1'-0"



A4 PHASE E5 - PATIENT ROOM #21 (10786) AND #22 (10787)
3/64" = 1'-0"



A7 PHASE E6 - PATIENT DOUBLE ROOM #23 AND #24 (10788)
3/64" = 1'-0"

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
6/26/2025, 2:54:24 PM
S250003-34-00
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

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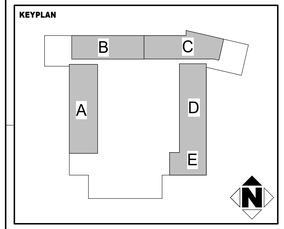
TAYLOR design

REV	REVISION DESCRIPTION	DATE
BC1	OSHPD BACKCHECK 1	03/28/2025

CONST. DOCUMENTS

KEYPLAN



UCDH PROJECT NO.: 9557750
HCAI - OSHPD NO.: S250003-34-00
BUILDING: BLDG-01445
FLOOR / WING: 10TH FLOOR
PROJECT TITLE: **DT10 PICU CEILING TILE & BOOM REPLACEMENT**
SHEET TITLE: **CONSTRUCTION PHASING PLANS - EAST**

ARCH / ENGR.	FD&C JOB NO.	SHEET NO.
ARCH	9557750 - L010335	G-043
UCDMC PROJ. MANAGER	SCALE	
SEJAL SHARMA	As indicated	
DESIGNED BY	DATE	
J. HOFFMAN	03/28/25	
DRAWN BY	CAD FILE	SHEET / OF
A. VILLAFANE	-	

12/18/2024 8:01:55 AM TAYLOR & ASSOCIATES ARCHITECTS IF THIS DRAWING IS NOT 30"x42" IT HAS BEEN MODIFIED

GENERAL

1. THE DEMOLITION PLAN KEYNOTES ARE DIAGRAMMATIC AND GENERAL IN NATURE. THE INTENT IS TO ILLUSTRATE THE COMPLETE DEMOLITION OF THE SPACES INDICATED UNLESS NOTED OTHERWISE. FIELD VERIFICATION OF EXISTING CONDITIONS AND SPECIFIC QUANTITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.

2. ACCESS THROUGH EXISTING CONSTRUCTION MAY BE REQUIRED BEYOND THE PROJECT AREA FOR UTILITY WORK. SEE DRAWINGS FROM OTHER DISCIPLINES FOR LOCATIONS. PATCH AND REPAIR TO MATCH EXISTING. PROVIDE ACCESS PANELS AS REQUIRED FOR VALVES, CLEANOUTS, DEVICES, AND SIMILAR. SUBMIT UTILITY ACCESS PLAN SHOWING EXTENTS OF ACCESS REQUIRED AND LOCATIONS OF ACCESS PANELS.

3. SEE ID-SERIES DRAWINGS FOR ADDITIONAL INFORMATION ABOUT FINISHES AND FINISH DESIGNATIONS.

4. **CBC 2406 SAFETY GLAZING.** PROVIDE CLASS A GLAZING PER ANSI Z97.1 IN ALL LOCATIONS EXCEPT DECORATIVE GLAZING, WINDOWS LESS THAN 9 SQUARE FEET, AND THE OUTBOARD PANE IN INSULATING GLAZING UNITS.

FRAMING AND PARTITIONS

1. **NONSTRUCTURAL METAL FRAMING COMPONENTS AND INSTALLATION:** PER SSMA PRODUCT TECHNICAL GUIDE AND ESR-3064P.
   A. SSMA STUD DESIGNATIONS = [MEMBER DEPTH (1/100")] [STUD TYPE] [FLANGE WIDTH (1/100")] - [MATERIAL THICKNESS (1/1000")]. STUD TYPES: S=STUD, T=TRACK, U=CHANNEL, F=FURRING CHANNEL CH/CT/CI=SHAFT WALL STUD.
   B. GALVANIZED METAL STUDS, TRACK AND SHEET STEEL SHALL CONFORM TO ASTM A653-09a MATERIAL (OR OTHER EQUIVALENT ASTM LISTED MATERIALS IN THE AISI S100-07/S2-10, SECTION A2.1) WITH A MINIMUM YIELD STRENGTH OF 33 KSI FOR 43 MIL (18 GA) AND LIGHTER, AND MINIMUM YIELD STRENGTH OF 50 KSI FOR 54 MIL (16 GA) & HEAVIER.
   C. STUD FRAMING MAY BE PUNCHED UNLESS OTHERWISE NOTED. TRACK SHALL BE UNPUNCHED UNLESS OTHERWISE NOTED.
2. **TYPICAL FRAMING SCHEDULE:** MINIMUM FRAMING DESIGNATIONS SHOWN. OPTIONAL TO PROVIDE FRAMING WITH EQUAL OR HIGHER AREA, SECTION MODULUS AND MOMENT OF INERTIA PROVIDED MATERIALS CONFORM TO THE SAME ASTM STANDARD WITH EQUAL OF HIGHER YIELD STRENGTH AND ULTIMATE STRENGTH.
   A. COMMERCIAL B-OCCUPANCY PROJECTS:
      1. FURRING, CEILINGS, AND SOFFITS: 162S125-33 (20 GA), 162T125-33 (20 GA)
      2. TYPICAL FRAMING UNLESS OTHERWISE NOTED: 362S162-33 (20 GA), 362T125-33 (20 GA), 362T250-33 (20 GA)
   B. EDUCATION, LABORATORY PROJECTS:
      1. FURRING, CEILINGS, AND SOFFITS: 162S125-33 (20 GA), 162T125-33 (20 GA)
      2. TYPICAL FRAMING UNLESS OTHERWISE NOTED: 362S162-43 (18 GA), 362T125-43 (18 GA), 362T250-43 (18 GA)
   C. NON-OSHPD-1 HEALTHCARE PROJECTS:
      1. FURRING, CEILINGS, AND SOFFITS: 162S125-33 (20 GA), 162T125-33 (20 GA)
      2. TYPICAL FRAMING UNLESS OTHERWISE NOTED: 362S162-43 (18 GA), 362T125-43 (18 GA), 362T250-43 (18 GA)
   D. OSHPD-1 HEALTHCARE PROJECTS:
      1. FURRING, CEILINGS, AND SOFFITS: 162S125-33 (20 GA), 162T125-33 (20 GA)
      2. TYPICAL FRAMING UNLESS OTHERWISE NOTED: 400S162-54 (16 GA), 400T125-54 (16 GA), 400T250-54 (16 GA)
3. **FRAMING CONFIGURATION AND DETAILS:**
   A. SEE TYPICAL FRAMING DETAILS. NOT ALL TYPICAL FRAMING DETAILS ARE USED. SELECT DETAIL TO SUIT CONDITIONS. WHERE DETAIL SELECTION IS UNCLEAR SUBMIT REQUEST FOR INFORMATION.
   B. PARTITION WALL STUDS ARE SPACED 16" ON CENTER UNLESS OTHERWISE NOTED.
   C. PROVIDE BRIDGING OR LATERAL STUD BRACING 48" ON CENTER VERTICALLY FOR FULL HEIGHT OF WALL EXCEPT WHERE GYPSUM BOARD IS INSTALLED ON BOTH SIDE OF WALL.
   D. AT PARTIAL HEIGHT WALLS AND SOFFITS PROVIDE HEAD OF WALL BRACING OR BASE OF SOFFIT BRACING AT 48" ON CENTER.
   E. WHERE PARTIAL HEIGHT JAMB STUD ARE REQUIRED DUE TO OVERHEAD OBSTRUCTIONS PROVIDE TOP OF JAMB BRACING OR TRAPEZE BRACING.
   F. PROVIDE BACKING PLATES FOR ALL WALL-MOUNTED ELEMENTS IN ACCORDANCE WITH THE WEIGHT LIMITATIONS FOR EACH BACKING PLATE TYPE. COORDINATE BACKING PLATE LOCATIONS WITH ELEVATIONS AND EQUIPMENT DRAWINGS.
   G. USE FACTORY PUNCHOUTS FOR CONDUIT AND PIPE PENETRATIONS OF METAL FRAMING. FACTORY PUNCHOUTS WILL BE LOCATED ALONG THE CENTER LINE OF THE WEBS OF THE STUD MEMBERS AND WILL HAVE A MINIMUM CENTER-TO-CENTER SPACING OF 24". PUNCHOUTS FOR MEMBERS GREATER THAN 2 ½" DEEP ARE A MAXIMUM OF 1 ½" WIDE X 4 ½" LONG. MEMBERS WITH DEPTHS 2 ½" AND SMALLER ARE MAXIMUM ¾" WIDE X 4 ½" LONG. ANY CONFIGURATION OR COMBINATION OF HOLES THAT FIT WITHIN THE PUNCHOUT WIDTH AND LENGTH LIMITATIONS MENTIONED ABOVE SHALL BE PERMITTED; OTHER PUNCHOUT CONFIGURATIONS AND LOCATIONS NOT IN COMPLIANCE WITH LIMITATIONS LISTED ABOVE MUST BE PREAPPROVED BY A DESIGN PROFESSIONAL. DO NOT CUT FLANGES.
   H. ALIGN FACE OF FINISH WHERE CONSTRUCTION & FINISHES OF DIFFERENT THICKNESSES ADJOIN.
4. **GYPSUM BOARD**
   A. GYPSUM BOARD SHALL CONSIST OF SINGLE-PLY 5/8" THICK IN ACCORDANCE WITH ASTM C11-10a.
   B. GYPSUM BOARD SHALL BE ATTACHED TO WITH ASTM C1002-07 TYPE S (ASTM A568-11b GRADES 1018 TO 1022) SCREWS (NOT LESS THAN, N0. 6, WITH MAJOR DIAMETER NOT LESS THAN 0.136 IN) AT 12" ON CENTER MAXIMUM, IN ACCORDANCE WITH ASTM C840-11.
   C. IN ROOMS W/ WET FUNCTIONS (EG., RESTROOMS, SHOWERS, LOCKER ROOMS, AUTOCLAVES, KITCHENS, ETC.) OR WHERE TILE IS THE SPECIFIED FINISH, PROVIDE WATER RESISTANT FIBERGLASS MATT FACED GYPSUM BOARD.
   D. FOR WALLS NOT INDICATED AS FULL HEIGHT, GYPSUM BOARD MAY TERMINATE 6" ABOVE CEILING. PROVIDE BRIDGING OR LATERAL STUD BRACING ABOVE TERMINATION.

FRAMING AND PARTITIONS (CONTINUED)

5. **FIRE-RESISTANCE RATED PARTITIONS**
   A. SEE GENERAL FIRE INFORMATION NOTES ON G-010.
6. **ACOUSTICAL PARTITIONS**
   A. WALL SHEATHING ON ACOUSTICAL PARTITIONS SHALL EXTEND DECK TO DECK UNLESS OTHERWISE NOTED.
   B. PROVIDE SEALANT AT BOTH SIDES OF WALL BOTTOM BETWEEN GYPSUM BOARD AND DECK. FOR HEAD OF WALL JOINT @ ACOUSTICAL WALLS PROVIDE INSULATION AND SEALANT SIMILAR TO FIRE-RESISTIVE HEAD OF WALL DETAILS.
   C. DO NOT ATTACHED INTERIOR PARTITIONS TO EXTERIOR WALLS; PROVIDE SEALANT JOINTS AT EACH SIDE OF PARTITION.
   D. PROVIDE ACOUSTICAL INSULATION TO FILL STUD CAVITIES. PACK HEADERS, JAMBS & SILLS WITH INSULATION.
   E. JUNCTION BOXES SHALL NOT BE LOCATED BACK TO BACK. WRAP JUNCTION BOXES WITH ACOUSTICAL PUTTY PADS. PROVIDE ACOUSTICAL SEALANT AROUND JUNCTION BOXES AT INTERFACE WITH GYPSUM BOARD.
   F. PROVIDE ACOUSTICAL SEALANT AROUND PENETRATIONS.

ANCHORS AND FASTENERS

1. ANCHORS AND FASTENERS TO COMPLY WITH THE FOLLOWING NOTES UNLESS STRUCTURAL NOTES PROVIDED. WHERE STRUCTURAL NOTES CONFLICT WITH THE FOLLOWING NOTES, STRUCTURAL NOTES TAKE PRECEDENCE. SEE STRUCTURAL GENERAL NOTES FOR DESIGN CRITERIA.
2. **DECK CRITERIA:**
   A. MINIMUM CONCRETE STRENGTH f'c =2000 PSI FOR NORMAL WEIGHT CONCRETE AND f'c=3000 PSI FOR ALL LIGHT WEIGHT CONCRETE UNLESS OTHERWISE NOTED.
   B. CONCRETE FILL DEPTH ABOVE THE TOP OF METAL DECK SHALL BE A MINIMUM OF 3 1/4" NORMAL WEIGHT CONCRETE.
   C. CONCRETE FILL DEPTH ABOVE THE TOP OF METAL COMPOSITE B-DECK SHALL BE A MINIMUM OF 3 3/4" NORMAL WEIGHT CONCRETE.
   D. STEEL DECK TO BE A MINIMUM OF 20GA.
3. **EXPANSION AND SCREW ANCHORS:**
   A. POST-INSTALLED ANCHORS & FASTENERS SHALL NOT BE USED IN PRE-STRESSED CONCRETE UNLESS NON-DESTRUCTIVE TESTING METHODS ARE USED TO LOCATE STRAND AND REINFORCEMENT PRIOR TO FASTENER INSTALLATION. PAF SHALL BE INSTALLED 1" CLEAR OF TENDONS.
   B. POST-INSTALLED ANCHORS & FASTENERS INSTALLATION SHALL NOT NICK OR DAMAGE EXISTING CONCRETE REINFORCEMENT. SHOULD THIS OCCUR NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY. POST-INSTALLED ANCHORS & FASTENERS SHALL BE INSTALLED 1" CLEAR OF EXISTING REINFORCEMENT.
   C. INSTALL ANCHORS IN CONCRETE CONSTRUCTION PER APPLICABLE ICC-ES REPORT.
      1. EXPANSION ANCHORS SHALL BE 3/8" DIAMETER X 2" MINIMUM EMBED OR 1/2" DIAMETER X 2-1/4" MINIMUM EMBED HILTI KB-TZ PER ESR-1917, SIMPSON STRONG-BOLT 2 PER ESR-3037, OR POWERS POWER-STUD+ SD2 PER ESR-2502 UNLESS OTHERWISE NOTED.
      2. SCREW ANCHORS SHALL BE 3/8" DIAMETER X 2-1/2" MINIMUM EMBED HILTI KWIK HUS-EZ (KH-EZ) PER ESR-3027, SIMPSON TITEN HD PER ESR-2713, OR POWERS WEDGEBOLT+ PER ESR-2526 UNLESS OTHERWISE NOTED.
   D. INSTALL ANCHORS IN MASONRY CONSTRUCTION PER APPLICABLE ICC-ES REPORT.
      1. EXPANSION ANCHORS SHALL BE 3/8" DIAMETER X 2" MINIMUM EMBED OR 1/2" DIAMETER X 2-1/4" MINIMUM EMBED HILTI KWIK BOLT 3 (KB3) PER ESR-1385, SIMPSON WEDGE-ALL PER ESR-1396, OR POWERS POWER-STUD+ PER ESR-2966 UNLESS OTHERWISE NOTED.
      2. SCREW ANCHORS SHALL BE 3/8" DIAMETER X 2-1/2" MINIMUM EMBED HILTI KWIK HUS-EZ (KH-EZ) PER ESR-3056, SIMPSON TITEN HD PER ESR-1056, OR POWERS WEDGEBOLT+ PER ESR-1678.
   E. **CBC 1617A.1.19 PREQUALIFIED POST-INSTALLED ANCHORS AND SPECIALTY INSERTS IN CONCRETE AND MASONRY.** POST-INSTALLED ANCHORS AND SPECIALTY INSERTS IN CONCRETE THAT ARE PRE-QUALIFIED FOR SEISMIC APPLICATIONS IN ACCORDANCE WITH ACI 355.2, ACI 355.4, ICC-ES AC193, ICC-ES AC232, ICC-ES AC308 OR ICC-ES AC446 SHALL BE PERMITTED. POST-INSTALLED ANCHORS IN MASONRY SHALL BE PREQUALIFIED FOR SEISMIC APPLICATIONS IN ACCORDANCE WITH ICC-ES AC01, AC58 OR AC106. USE OF SCREW ANCHORS SHALL BE LIMITED TO DRY INTERIOR CONDITIONS AND SHALL NOT BE USED IN BUILDING ENCLOSURES. REUSE OF SCREW ANCHORS OR SCREW ANCHOR HOLES SHALL NOT BE PERMITTED.
4. **POWER ACTUATED FASTENERS:**
   A. POWER ACTUATED FASTENER (PAF), POWDER DRIVEN FASTENERS (PDF), POWER DRIVEN PINS (PDP), AND SHOT PINS ALL REPRESENT THE SAME FASTENER, AND WILL HEREAFTER BE REFERRED TO AS POWER ACTUATED FASTENERS (PAF). INSTALL PER APPLICABLE ICC-ES REPORT. SATISFY THE CURRENT AC70-ACCEPTANCE CRITERIA FOR FASTENERS POWER-DRIVEN INTO CONCRETE, STEEL AND MASONRY ELEMENTS. CURRENT ICC ES EVALUATION REPORTS REQUIRED FOR FASTENERS USED.
      1. POWER ACTUATED FASTENERS INSTALLED IN CONCRETE SHALL BE 0.157" DIAMETER X 1" MINIMUM EMBED AT NORMAL WEIGHT CONCRETE OR 0.145" DIAMETER X 1.25" MINIMUM EMBED AT LIGHT WEIGHT CONCRETE HILTI X-U OR HILTI X-P PER ESR-2269, SIMPSON PDPA PER ESR-2138, OR POWERS SPIRAL CSI PINS PER ESR-2024 UNLESS OTHERWISE NOTED.
      2. POWER ACTUATED FASTENERS INSTALLED IN MASONRY SHALL BE 0.145" DIAMETER X 1.25" MINIMUM EMBED HILTI X-U OR HILTI X-P PER ESR-2269 OR SIMPSON PDPA PER ESR-2138 UNLESS OTHERWISE NOTED.
      3. POWER ACTUATED FASTENERS INSTALLED IN STRUCTURAL STEEL SHALL BE 0.145" DIAMETER KNURLED SHANK HILTI X-U OR X-U-15 PER ESR-2269, SIMPSON PDPA-XXK PER ESR-2138, OR POWERS SPIRAL CSI PINS PER ESR-2024 UNLESS OTHERWISE NOTED.
      4. POWER ACTUATED CEILING CLIP ASSEMBLIES SHALL BE HILTI X-CW PER ESR-2269, SIMPSON PCLDPA OR PECLDPA PER ESR-2138, OR POWERS SPIRAL CSI CEILING CLIP ASSEMBLY PER ESR-2024 UNLESS OTHERWISE NOTED.

ANCHORS AND FASTENERS (CONTINUED)

   B. POWER ACTUATED FASTENER INSTALLED THROUGH LOW FLUTES OF THE METAL DECK SHALL MEET THE REQUIREMENTS OF THE INSTALLATION CRITERIA.
      1. MINIMUM EDGE DISTANCE OF 1 1/8" FROM THE EDGE OF METAL DECK WEB AND 4" FROM THE EDGE OF THE DECK.
      2. STEEL DECK TO BE A MINIMUM OF 20GA.
      3. CONCRETE FILL DEPTH ABOVE THE TOP OF METAL DECK SHALL BE A MINIMUM OF 3 1/4" LIGHT WEIGHT CONCRETE.
   C. POWER ACTUATED FASTENER INSTALLED THROUGH STRUCTURAL STEEL SHALL MEET THE REQUIREMENTS OF THE INSTALLATION CRITERIA.
      1. FASTENER PENETRATION SHALL HAVE THE ENTIRE POINTED END OF THE FASTENER DRIVEN THROUGH THE STEEL MEMBER, EXCEPT AS NOTED IN CURRENT REPORTS FROM TESTING AGENCIES.
      2. MINIMUM STEEL TENSILE STRENGTH 58KSI.
      3. MINIMUM SPACING 1 INCH.
      4. MINIMUM EDGE DISTANCE 1/2 INCH.
   D. **CBC 1617A.1.20 ASCE 7, SECTION 13.4.5 POWER ACTUATED FASTENERS.** POWER ACTUATED FASTENERS QUALIFIED IN ACCORDANCE WITH ICC-ES AC 70 SHALL BE DEEMED TO SATISFY THE REQUIREMENTS OF SECTION 13.4.5. POWER ACTUATED FASTENERS SHALL BE PERMITTED IN SEISMIC SHEAR FOR COMPONENTS EXEMPT FROM PERMIT REQUIREMENTS BY CBC 1617A.1.18 OF THIS CODE AND FOR INTERIOR NON-BEARING NON-SHEAR WALL PARTITIONS ONLY. POWER ACTUATED FASTENER SHALL NOT BE USED TO ANCHOR SEISMIC BRACING, EXTERIOR CLADDING OR CURTAIN WALL SYSTEMS. EXCEPTION: POWER ACTUATED FASTENERS IN STEEL TO STEEL CONNECTIONS PREQUALIFIED FOR SEISMIC APPLICATION BY CYCLIC TESTS IN ACCORDANCE WITH ICC-ES AC 70 SHALL BE PERMITTED FOR SEISMIC DESIGN.
   E. TOTAL ALLOWABLE LOADS IN TENSION, SHEAR OR TENSION SHEAR COMBINATIONS SHALL NOT EXCEED 90 LBS. AS PERMITTED BY EXCEPTION TO ASCE 7-10 SECTION 13.4.5.
   F. TESTING OF PAF SHALL BE IN ACCORDANCE WITH CBC 1910A.5. MINIMUM CONCRETE SUBSTRATE THICKNESS SHALL BE THREE TIMES THE PAF PENETRATION INTO THE CONCRETE SUBSTRATE.
   G. TESTING IS NOT REQUIRED OF PAF USED TO ATTACH TRACKS OF INTERIOR NON-SHEAR WALL PARTITIONS FOR SHEAR ONLY WHERE THERE ARE AT LEAST THREE FASTENERS.
5. **SHEET METAL SCREWS:**
   A. COMPLY WITH ASTM C 1513-10, ASME B18.6.4-98 (R2005) AND ICC-ES AC 118.
   B. NUMBER 8 OR 10 SIZE BY LENGTH AS REQUIRED TO PENETRATE MATERIALS WITH A MINIMUM OF THREE EXPOSED THREADS PER ICC-ES AC118 ACCEPTANCE CRITERIA FOR SELF TAPPING SCREW FASTENERS UNLESS OTHERWISE NOTED.
   C. THE MINIMUM SPACING BETWEEN CENTERS OF FASTENERS SHALL NOT BE LESS THAN 3 X FASTENER DIAMETER. THE MINIMUM EDGE DISTANCE FROM THE CENTER OF A FASTENER TO THE EDGE OF ANY PART SHALL NOT BE LESS THAN 1.5 X FASTENER DIAMETER. WHERE THE END DISTANCE IS PARALLEL TO THE FORCE ON THE FASTENER, THE NOMINAL SHEAR STRENGTH SHALL BE LIMITED BY SECTION E4.3.2 OF THE AISI S100-07/S2-10.

CEILINGS

1. THE ARCHITECTURAL DRAWINGS ESTABLISH AND GOVERN THE FINISHED APPEARANCE AND LOCATION OF ALL EXPOSED WORK OF ALL TRADES, INCLUDING THAT WORK WHICH IS ILLUSTRATED PRIMARILY ON DWGS OF OTHER DISCIPLINES. LOCATIONS SHOWN ON DRAWINGS OF OTHER DISCIPLINES ARE SCHEMATIC, UNLESS NOTED OTHERWISE ON THE ARCHITECTURAL DRAWINGS.
2. THE ARCHITECTURAL FLOOR PLANS, REFLECTED CEILING PLANS, SECTIONS, ELEVATIONS AND DETAILS ILLUSTRATE THE DIMENSIONED LOCATION OF MANY (BUT NOT ALL) EXPOSED PARTS OF THE WORK. APPLY THE FOLLOWING LAYOUT RULES TO DETERMINE THE EXACT LOCATION OF EXPOSED PARTS OF THE WORK:
   A. **RULE 1 - WHEN DIMENSIONED ON RCP.** LOCATE ITEMS AS INDICATED WHEN SHOWN DIMENSIONED BY A REFLECTED CEILING PLAN, ENLARGED REFLECTED CEILING PLAN, OR DETAIL. SPECIFIC DIMENSIONS SHOWN BY REFLECTED CEILING PLANS, ELEVATIONS, OR DETAILS TAKE PRECEDENCE OVER TYPICAL LOCATION RULES.
   B. **RULE 2 - WHEN NOT DIMENSIONED BUT SHOWN CENTERED.** LOCATE ITEMS CENTERED IN SPACE (OR CEILING PLANE) WHEN SHOWN (BUT NOT DIMENSIONED) VISUALLY AT APPROXIMATE CENTER OF SPACE OR CENTERLINE BETWEEN ELEMENTS.
   C. **RULE 3 - WHEN OFF-CENTERED IN SPACE BUT CENTERED ON ADJACENT FEATURE.** LOCATE ITEMS CENTERED ON ADJACENT OPENING OR FEATURE WHEN SHOWN (BUT NOT DIMENSIONED) OFF-CENTER IN OVERALL SPACE BUT CENTERED AGAINST ADJACENT FEATURE.
   D. **RULE 4 - WHEN ALIGNED WITH OTHER FEATURES.** LOCATE ITEMS (LIGHT FIXTURES, SPRINKLER HEADS, DEVICES, ETC.) ALIGNED WITH ADJACENT ITEMS FOR WHICH DIMENSIONS OR RULES ARE PROVIDED. VISUAL ALIGNMENT IS CRITICAL. THE CONTRACTOR SHALL SELECT ONE ITEM IN EACH LINE (ON BASIS OF TOLERANCES, SEQUENCE OF CONSTRUCTION, TRADE OR OTHER CRITERIA) TO SERVE AS THE BENCHMARK FOR EACH ALIGNMENT.
   E. **RULE 5 - ALIGN WITH FEATURES SHOWN DIMENSIONED ELSEWHERE IN SPACE.** LOCATE ITEMS ALIGNED WITH OTHER ITEMS SHOWN DIMENSIONED ELSEWHERE IN SPACE (OR CEILING PLANE).
   F. **RULE 6 - LOCATE FEATURES SYMMETRICALLY.** LOCATE ITEMS SYMMETRICALLY WITH OTHER ITEMS SHOWN DIMENSIONED ELSEWHERE IN SPACE (OR CEILING PLANE).
   G. **RULE 7 - WHEN NOT DIMENSIONED BUT OCCURS ON A SQUARE GRID-TYPE CEILING.** LOCATE ITEMS (LIGHT FIXTURES, SPRINKLER HEADS, DEVICES, ETC.) AT CENTER OF PANEL ON SQUARE GRID-TYPE CEILINGS.
   H. **RULE 8 - WHEN NOT DIMENSIONED BUT OCCURS ON A RECTANGULAR GRID-TYPE CEILING.** LOCATE ITEMS (LIGHT FIXTURES, SPRINKLER HEADS, DEVICES, ETC.) AT CENTER OF SHORT DIRECTION OF RECTANGULAR PANEL; LOCATE AT 1/4, 1/2, OR 3/4 POINT OF LONG DIRECTION OF RECTANGULAR PANEL.
   I. **RULE 9 – GRID WHEN NOT DIMENSIONED BUT SHOWN CENTERED. LOCATE** CEILING TILES CENTERED IN SPACE (OR CEILING PLANE) WHERE SHOWN (BUT NOT DIMENSIONED) VISUALLY AT APPROXIMATE CENTER OF SPACE.
   J. **RULE 10 – GRID WHEN NOT DIMENSIONED BUT SHOWN AT A CORNER.** LOCATE CEILING TILES FROM CORNER OF SPACE (OR CEILING PLANE) WHEN SHOWN (BUT NOT DIMENSIONED) VISUALLY AT CORNER OF SPACE.
3. TYPICAL TOLERANCES FOR LOCATING SPRINKLER HEADS
   A. **RULE 1 - LOCATE HEADS AS SHOWN ON ARCHITECTURAL DRAWINGS.** FOR MANY SPACES THE ARCHITECTURAL REFLECTED CEILING PLANS ESTABLISH AN IDEAL PATTERN FOR LOCATING SPRINKLER HEADS. IN SPACES WHERE HEADS ARE SHOWN, FOLLOW PATTERN ESTABLISHED BY THE DRAWINGS. WHERE ADDITIONAL HEADS ARE REQUIRED TO CONFORM WITH CODE, PROVIDE HEADS IN GENERAL CONFORMANCE WITH PATTERN ESTABLISHED BY THE DRAWINGS. IN SPACES WHERE SPRINKLER HEADS ARE NOT SHOWN BY THE ARCHITECTURAL REFLECTED CEILING PLANS, PROVIDE HEADS AS REQUIRED BY CODE AS A MINIMUM, BUT SUFFICIENT IN QUANTITY TO FOLLOW THE RULES OF ALIGNMENT PER THE ABOVE (IE., MORE THAN CODE MINIMUM MAY BE REQUIRED FOR ARCHITECTURALLY ACCEPTABLE LAYOUT)
   B. **RULE 2 - LOCATE HEADS WITHIN 3" DIAMETER OF IDEAL LOCATION POINT.** LOCATE SPRINKLER HEADS WITHIN 3" DIAMETER OF IDEAL POINT DIMENSIONED (OR SHOWN BY RULE) ON REFLECTED CEILING PLAN.
   C. **RULE 3 - LOCATE LINES OF HEADS WITHIN 1 1/2" OF IDEAL CENTERLINE**. LOCATE SPRINKLER HEADS WITHIN 1 1/2" OF LINE DEFINED BY IDEAL CENTERLINE LINKING IDEAL POINTS AT ENDS OF LINES OF HEADS.
   D. **RULE 4 - LOCATE LINES OF HEADS WITHIN 1 1/2" OF LINE LINKING ACTUAL END HEADS.** LOCATE SPRINKLER HEADS WITHIN 1 1/2" OF LINE DEFINED BY CENTERLINE LINKING ACTUAL HEADS AT ENDS OF LINES OF HEADS.
4. ACCESS PANELS: ACCESS TO THE SPACE BETWEEN THE CEILING AND THE FLOOR OR ROOF ABOVE SHALL NOT BE ALLOWED. SMALL ACCESS PANELS FOR THE INSPECTION, ADJUSTMENT, OR REPAIR OF UTILITY SWITCHES, VALVES, SENSORS, ETC. MAY BE ALLOWED IF THE PANEL IS LESS THAN 300 SQUARE INCHES. SUCH PANELS SHALL ALSO HAVE A PERMANENT WARNING LABEL AS FOLLOWS: "WARNING: DO NOT CLIMB, WALK, OR CRAWL ON THE GYPSUM BOARD CEILING. DO NOT STORE OR STOW ANYTHING ON THE GYPSUM BOARD CEILING." LABEL TO BE ON INSIDE FACE OF LID.
5. LIMITED TO CEILING ASSEMBLIES HAVING MAXIMUM DEAD WEIGHT OF 4 PSF, INCLUDING LIGHTING FIXTURES AND MECHANICAL SERVICES, EACH WEIGHING LESS THAN 56 LBS AND ATTACHED TO CEILING FRAMING SYSTEM.
6. GRID SUSPENSION SYSTEM COMPONENTS SHALL BE PER USG PER ESR-1222, ROCKFON CHICAGO METALLIC ESR-2631, CERTAINTEED ESR-ESR-3336, ARMSTRONG ESR-1289, OR ARMSTRONG ESR-1308 UNLESS OTHERWISE NOTED.
   A. COMPLY WITH ASTM C635 AND E580.
   B. THE CEILING GRID SYSTEM SHALL BE RATED HEAVY DUTY AS DEFINED BY ASTM C635.
   C. HANGER AND BRACING WIRES SHALL BE #12 GAGE (0.106" DIAMETER), SOFT ANNEALED, AND GALVANIZED STEEL WIRES WITH CLASS 1 COATING. THEY MAY BE USED FOR UP TO AND INCLUDING 4'-0"x 4'-0" GRID SPACING ALONG AND ATTACHED TO MAIN RUNNERS. SPLICES ARE NOT PERMITTED IN ANY HANGER WIRE.
   D. MAIN RUNNERS AND CROSS RUNNERS ALONG WITH THEIR SPLICES, INTERSECTION CONNECTORS, AND EXPANSION DEVICES SHALL BE DESIGNED AND CONSTRUCTED TO CARRY A MEAN ULTIMATE TEST LOAD OF NOT LESS THAN 180 LBS. IN COMPRESSION & TENSION, IN ACCORDANCE WITH ASTM 580 SECTION 5.1.2.
   E. INSTALLATION, SHALL COMPLY WITH ASTM C636 AND E580 SECTION 5.2

CEILINGS (CONTINUED)

   F. PROVIDE #12 GAGE HANGER WIRES AT THE ENDS OF ALL MAIN AND CROSS RUNNERS WITHIN EIGHT (8) INCHES OF THE SUPPORT OR WITHIN ONE-FOURTH (1/4) OF THE LENGTH OF THE END TEE, WHICHEVER IS LESS, FOR THE PERIMETER OF THE CEILING AREA. PERIMETER WIRES ARE NOT REQUIRED WHEN THE LENGTH OF THE END TEE IS EIGHT (8) INCHES OR LESS.
   G. CEILING GRID MEMBERS SHALL BE ATTACHED TO TWO (2) ADJACENT WALLS, IN ACCORDANCE WITH ASTM E580 SECTION 5.2.3. CEILING GRID MEMBERS SHALL BE AT LEAST 3/4" INCH CLEAR OF OTHER WALLS. IF WALLS RUN DIAGONAL TO THE CEILING GRID SYSTEM RUNNERS, ONE END OF MAIN AND CROSS RUNNERS SHOULD BE FREE, AND A MINIMUM OF 3/4 INCH CLEAR OF WALL.
   H. THE WIDTH OF THE PERIMETER SUPPORTING CLOSURE ANGLE SHALL BE NOT LESS THAN TWO (2) INCHES.
   I. AT THE PERIMETER OF THE CEILING AREA WHERE MAIN OR CROSS RUNNERS ARE NOT CONNECTED TO THE ADJACENT WALL, PROVIDE INTERCONNECTION BETWEEN THE RUNNERS AT THE FREE END TO PREVENT LATERAL SPREADING. A METAL STRUT OR A #16 GAGE WIRE WITH A POSITIVE MECHANICAL CONNECTION TO RUNNER MAY BE USED. WHERE THE PERPENDICULAR DISTANCE FROM THE WALL TO THE FIRST PARALLEL RUNNER IS EIGHT (8) INCHES OR LESS, THIS INTERCONNECTION IS NOT REQUIRED.
7. FRAMED SUSPENSION SYSTEM COMPONENTS SHALL COMPLY WITH ASTM C754:
   A. MAIN RUNNERS SHALL CONSIST OF 16 GAGE 1-1/2" COLD ROLLED U-CHANNEL 150U050-54 SPACED AT 4'-0" OC MAX. MAIN RUNNERS SHALL BE SUPPORTED BY HANGER WIRES AT 4'-0" OC MAX AND WITHIN 6" FROM EA END.
   B. FURRING CHANNEL SHALL CONSIST OF 25 GAGE 7/8" (HAT) FURRING CHANNELS (087F125-18) at 2'-0" OC MAX. FURRING CHANNELS SHALL BE SADDLE TIED TO MAIN RUNNERS WITH 16 GAGE TIE WIRE OR A DOUBLE STRAND OF 18 GAGE TIE WIRE.
   C. MAIN RUNNERS AND FURRING CHANNELS ALONG WITH THEIR SPLICES, INTERSECTION CONNECTORS, AND EXPANSION DEVICES SHALL BE DESIGNED AND CONSTRUCTED TO CARRY A MEAN ULTIMATE TEST LOAD OF NOT LESS THAN 270 LBS. IN COMPRESSION & TENSION.
   D. HANGER AND BRACING WIRES SHALL BE #12 GAGE (0.106" DIAMETER), SOFT ANNEALED, AND GALVANIZED STEEL WIRES WITH CLASS 1 COATING. THEY MAY BE USED FOR UP TO AND INCLUDING 4'-0"x 4'-0" GRID SPACING ALONG AND ATTACHED TO MAIN RUNNERS. SPLICES ARE NOT PERMITTED IN ANY HANGER WIRE.
   E. WIRE HANGERS SHALL BE SADDLE-TIED AROUND MAIN RUNNERS SO AS TO PREVENT TURNING OR TWISTING OF THE MEMBER.
   F. INSTALLATION SHALL COMPLY WITH ASTM C754:
   G. CEILING GRID MEMBERS SHALL BE ATTACHED TO TWO (2) ADJACENT WALLS. MAIN RUNNERS AND FURRING CHANNEL SHALL BE AT LEAST 1 INCH CLEAR OF OTHER WALLS. IF WALLS RUN DIAGONAL TO THE CEILING GRID SYSTEM RUNNERS, ONE END OF MAIN RUNNER AND FURRING SHOULD BE FREE WITH STANDARD CLEARANCES.
   H. THE WIDTH OF THE PERIMETER SUPPORTING CLOSURE ANGLE SHALL BE NOT LESS THAN TWO (2) INCHES.
8. JOISTED CEILING FRAMING SHALL COMPLY WITH WALL FRAMING NOTES. MAXIMUM SPAN 8'-8".
9. CEILING WIRE SHALL CONFORM WITH GALVANIZED SOFT ANNEALED MILD STEEL WIRE AS DEFINED IN ASTM A641 (CLASS 1 COATING) WITH 70 KSI MINIMUM TENSILE STRENGTH:
   A. FOUR (4) TWISTS OF WIRE WITHIN 1.5" DEVELOPS THE ALLOWABLE LOAD FOR THE WIRE.
   B. THREE (3) TWISTS WITHIN 3" MAY BE USED TO DEVELOP THE MAXIMUM 50% OF ALLOWABLE LOAD.
10. EXPANSION JOINTS, SEISMIC SEPARATIONS, AND PENETRATIONS:
   A. EXPANSION JOINTS SHALL BE PROVIDED IN THE CEILING AT INTERSECTIONS OF CORRIDORS AND AT JUNCTIONS OF CORRIDORS WITH LOBBIES OR OTHER SIMILAR AREAS.
   B. FOR CEILING AREAS EXCEEDING 2500 SQUARE FEET, A SEISMIC SEPARATION JOINT SHALL BE PROVIDED TO DIVIDE THE CEILING INTO AREAS NOT EXCEEDING 2500 SQ. FT.
   C. PENETRATIONS THROUGH THE CEILING FOR SPRINKLER HEADS AND OTHER SIMILAR DEVICES THAT ARE NOT INTEGRALLY TIED TO THE CEILING SYSTEM IN THE LATERAL DIRECTION SHALL HAVE A TWO (2) INCH OVERSIZED RING, SLEEVE OR ADAPTER THROUGH THE CEILING TILE TO ALLOW FREE MOVEMENT OF ONE (1) INCH IN ALL HORIZONTAL DIRECTIONS. A FLEXIBLE SPRINKLER HOSE FITTING THAT CAN ACCOMMODATE ONE (1) INCH OF CEILING MOVEMENT SHALL BE PERMITTED TO BE USED IN LIEU OF THE OVERSIZED RING, SLEEVE OR ADAPTER. SUCH FLEXIBLE SPRINKLER HOSE SHALL BE ADEQUATELY SUPPORTED FROM SOFFIT SO AS NOT TO EXCEED THE MAXIMUM TRIBUTARY WEIGHT OF THE CEILING.
11. ELECTRICAL METALLIC TUBE (EMT) SHALL BE ANSI C80.3/UL 797 CARBON STEEL WITH G90 GALVANIZING. EMT SHALL HAVE MINIMUM YIELD STRENGTH OF 30 KSI AND MINIMUM ULTIMATE STRENGTH OF 48 KSI

12/18/2024 8:01:58 AM TAYLOR & ASSOCIATES ARCHITECTS IF THIS DRAWING IS NOT 30"x42" IT HAS BEEN MODIFIED

A1 DEMOLITION FLOOR PLAN

1/8" = 1'-0"

DEMOLITION NOTES AND LEGEND

DEMOLITION NOTES

1. REFER TO GENERAL NOTES ON SHEETS G-011, G-012, & A-001.
2. DIMENSIONS ARE TO FACE OF FINISH, UNLESS OTHERWISE NOTED.
3. GC SHALL COORDINATE WITH OWNER'S REP TO DETERMINE THE EXTENT OF ANY EXISTING WALL-MOUNTED EQUIPMENT/DEVICES THE UNIVERSITY PREFERS TO HAVE REMOVED AND THEN REINSTALLED AFTER CONSTRUCTION TO AVOID DAMAGE.
4. GC SHALL PROTECT-IN-PLACE ALL EXISTING WALL-MOUNTED EQUIPMENT THAT IS TO REMAIN.
5. GC SHALL INSTALL EZ-PATH DEVICE ABOVE CEILING AT EACH PATIENT ROOM RATED CORRIDOR WALL TO CREATE A PATHWAY FOR TEMP POWER CABLING. EZ-PATH DEVICES ARE TO REMAIN AT COMPLETION OF WORK FOR FUTURE USE.

DEMOLITION LEGEND

SYMBOL	DESCRIPTION
	(E) NON-RATED PARTITION
	(E) NON-RATED DOUBLE STUD SMOKE PARTITION
	(E) 1 HOUR RATED METAL STUD SMOKE BARRIER
	(E) 1 HOUR RATED METAL STUD FIRE BARRIER
	(E) 1 HOUR RATED SMOKE PARTITION SHAFT WALL
	(E) 1 HOUR RATED FIRE PARTITION METAL STUD WALL
	(E) 2 HOUR RATED FIRE WALL
	(E) 2 HOUR RATED SMOKE BARRIER
	(E) 2 HOUR RATED FIRE BARRIER
	DEMOLISH WALL
	TEMPORARY CONSTRUCTION BARRIER
	DEMOLISH DOOR AND FRAME
	NOT IN SCOPE. NOTE: HATCH IS DIAGRAMMATIC IN NATURE AND IS TO BE COMPARED TO THE SET IN ITS ENTIRETY FOR A COMPREHENSIVE UNDERSTANDING OF THE SCOPE.

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
6/26/2025, 2:54:24 PM
S250003-34-00
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT — CAITLIN W. STEVENSON — 36376 — REN. 5-31-25 — STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

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FACILITIES DESIGN & CONSTRUCTION
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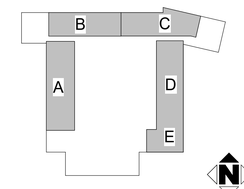
SACRAMENTO, CALIFORNIA 95817
(916)734-7934

TAYLOR design

REV	REVISION DESCRIPTION	DATE

CONST. DOCUMENTS

KEYPLAN



UCDH PROJECT NO.: 9557750
HCAI - OSHPD NO.: S250003-34-00
BUILDING: BLDG-01445
FLOOR LVL/NG: 10TH FLOOR
PROJECT TITLE: DT10 PICU CEILING TILE & BOOM REPLACEMENT
SHEET TITLE: LEVEL 10 OVERALL DEMOLITION PLAN

ARCH./ENGR.	FD&C JOB NO.	SHEET NO.
ARCH	9557750 - L010335	A-021
UCDMC PROJ. MANAGER	SCALE	
SEJAL SHARMA	As indicated	
DESIGNED BY	DATE	
J. HOFFMAN	12/16/24	
DRAWN BY	CAD FILE	SHEET OF
A. VILLAFANE	-	

FILE NAME: Autodesk Docs://8382-UCD-UCDMC PICU Boom/8382-UCD-UCDMC PICU Boom.rvt

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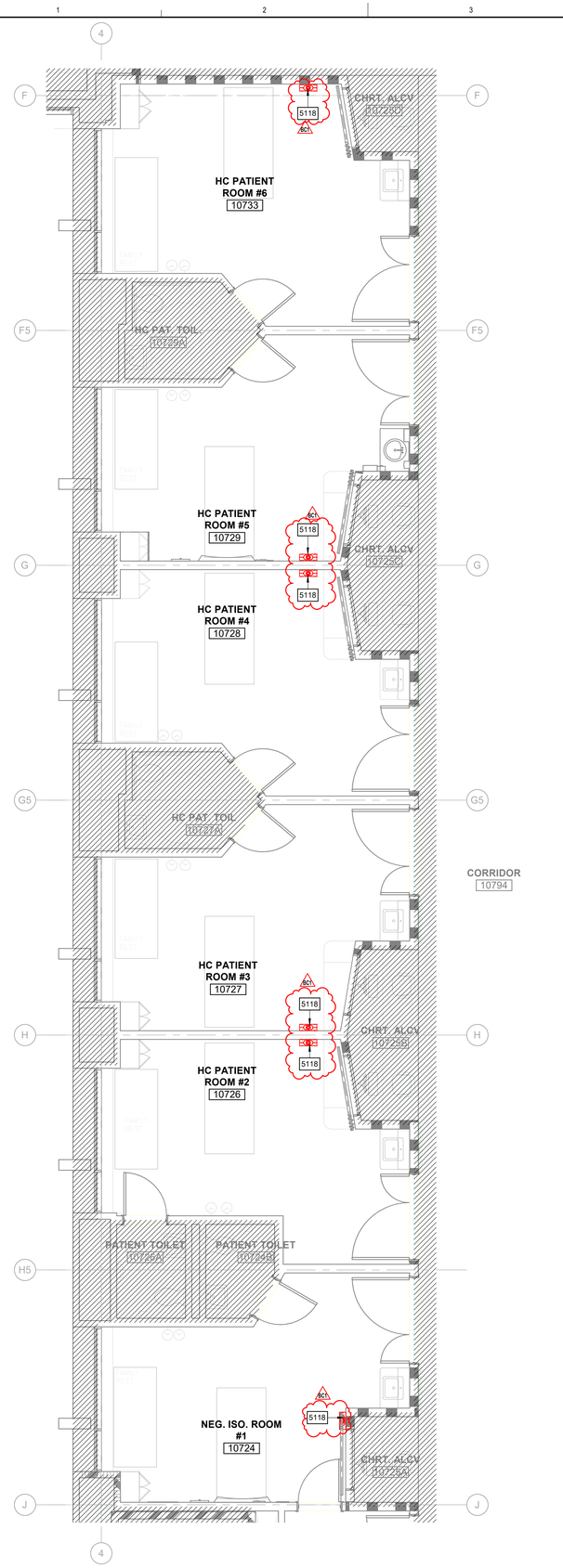
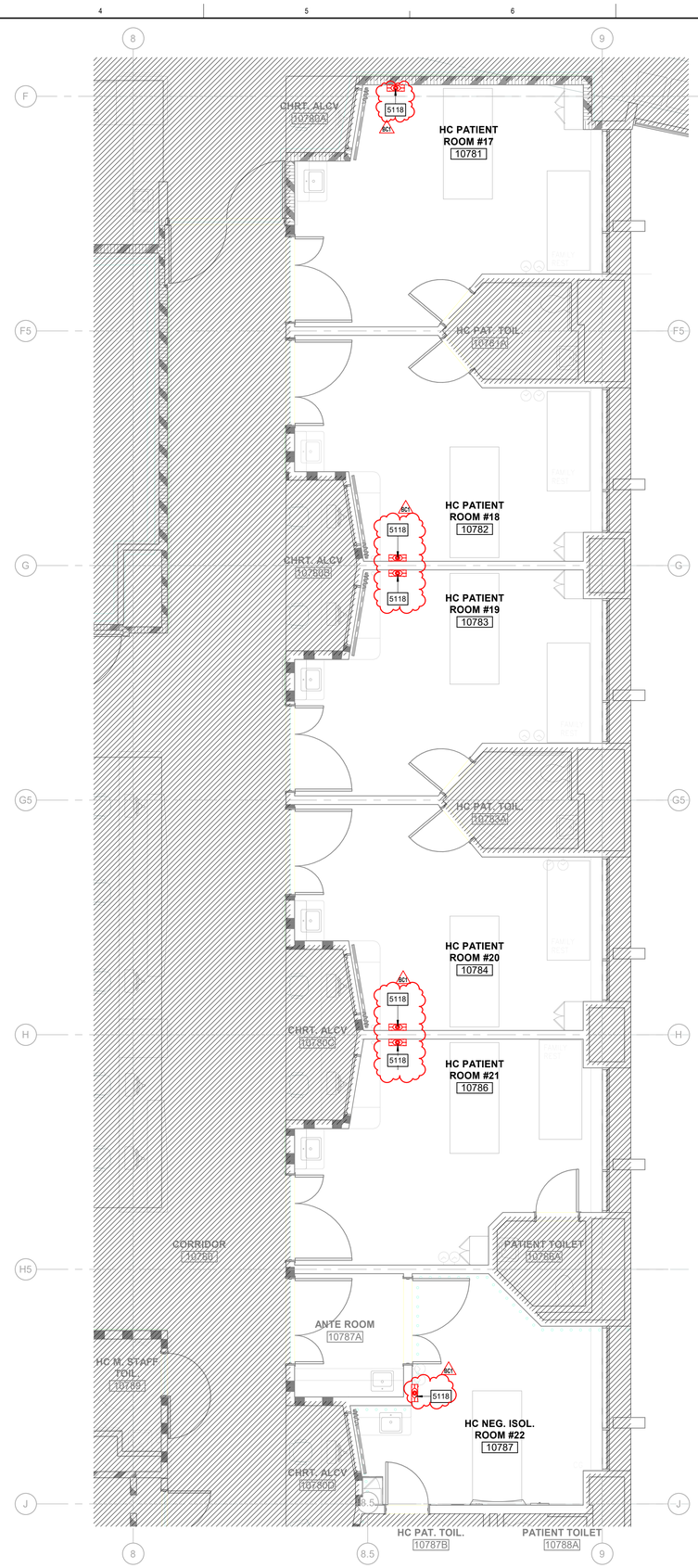
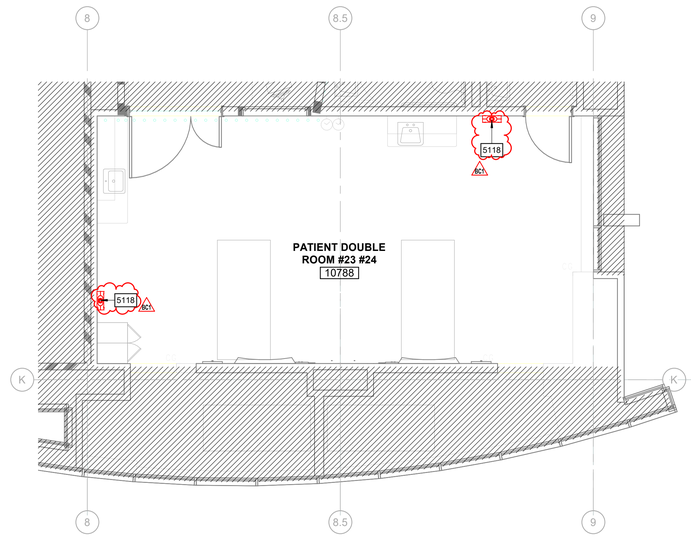


A1 DEMOLITION FLOOR PLAN - SEGMENT A
1/4" = 1'-0"



A4 DEMOLITION FLOOR PLAN - SEGMENT D
1/4" = 1'-0"



A7 DEMOLITION FLOOR PLAN - SEGMENT E
1/4" = 1'-0"

DEMOLITION NOTES AND LEGEND

DEMOLITION NOTES

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3. GC SHALL COORDINATE WITH OWNER'S REP TO DETERMINE THE EXTENT OF ANY EXISTING WALL-MOUNTED EQUIPMENT/DEVICES THE UNIVERSITY PREFERS TO HAVE REMOVED AND THEN REINSTALLED AFTER CONSTRUCTION TO AVOID DAMAGE.
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DEMOLITION LEGEND

SYMBOL	DESCRIPTION
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	(E) NON-RATED DOUBLE STUD SMOKE PARTITION
	(E) 1 HOUR RATED METAL STUD SMOKE BARRIER
	(E) 1 HOUR RATED METAL STUD FIRE BARRIER
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	(E) 1 HOUR RATED FIRE PARTITION METAL STUD WALL
	(E) 2 HOUR RATED FIRE WALL
	(E) 2 HOUR RATED SMOKE BARRIER
	(E) 2 HOUR RATED FIRE BARRIER
	DEMOLISH WALL
	TEMPORARY CONSTRUCTION BARRIER
	DEMOLISH DOOR AND FRAME
	NOT IN SCOPE. NOTE: HATCH IS DIAGRAMMATIC IN NATURE AND IS TO BE COMPARED TO THE SET IN ITS ENTIRETY FOR A COMPREHENSIVE UNDERSTANDING OF THE SCOPE.

KEYNOTE LEGEND

KEY	KEYNOTE TEXT
5118	(E) SHARPS DISPOSAL UNIT. REMOVE AND RELOCATE AS FIELD COORDINATED WITH AOR AND OWNER'S REP. PATCH/REPAIR EXISTING WALL FINISH.

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
6/26/2025, 2:54:24 PM
S250003-34-00
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT CAITLIN W. STEVENSON 36300 REN. 5-31-25 STATE OF CALIFORNIA

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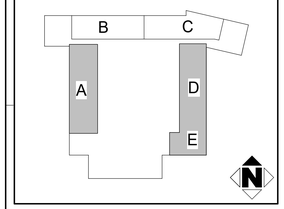
SACRAMENTO, CALIFORNIA 95817
(916)734-7934

TAYLOR design

REV	REVISION DESCRIPTION	DATE
BC1	OSHPD BACKCHECK 1	03/28/2025

CONST. DOCUMENTS

KEYPLAN



UCDH PROJECT NO.: 9557750
HCAI - OSHPD NO.: S250003-34-00
BUILDING: BLDG-01445
FLOOR \ WING: 10TH FLOOR
PROJECT TITLE: DT10 PICU CEILING TILE & BOOM REPLACEMENT
SHEET TITLE: LEVEL 10 SEGMENTED DEMOLITION PLAN

ARCH \ ENGR.	FD&C JOB NO.	SHEET NO.
ARCH	9557750 - L010335	A-041-A
UCDMC PROJ. MANAGER: SEJAL SHARMA	SCALE: 1/4" = 1'-0"	
DESIGNED BY: J. HOFFMAN	DATE: 03/28/25	
DRAWN BY: A. VILLAFANE	CAD FILE: -	SHEET / OF

FILE NAME: Autodesk Docs://8382-UCD-UCDMC PICU Boom/8382-UCD-UCDMC PICU Boom.rvt

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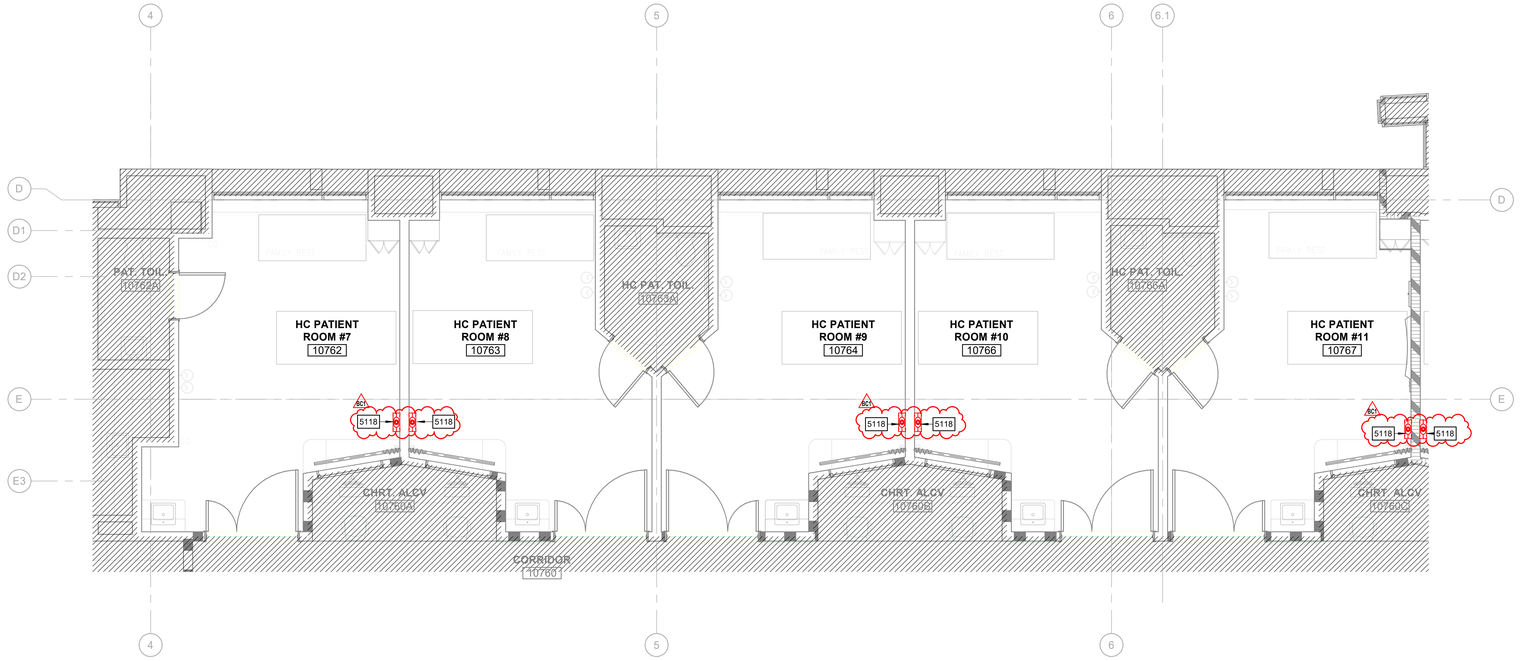
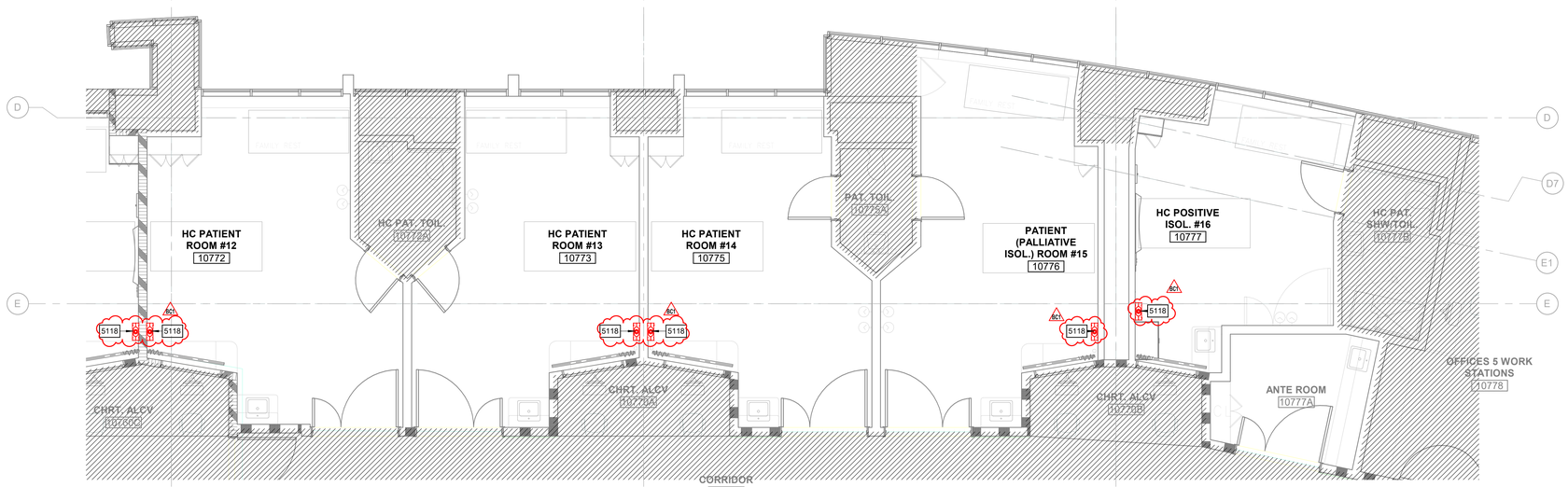


E1 DEMOLITION FLOOR PLAN - SEGMENT B

1/4" = 1'-0"



A1 DEMOLITION FLOOR PLAN - SEGMENT C

1/4" = 1'-0"

DEMOLITION NOTES AND LEGEND

DEMOLITION NOTES

1. REFER TO GENERAL NOTES ON SHEETS G-011, G-012, & A-001.
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3. GC SHALL COORDINATE WITH OWNER'S REP TO DETERMINE THE EXTENT OF ANY EXISTING WALL-MOUNTED EQUIPMENT/DEVICES THE UNIVERSITY PREFERS TO HAVE REMOVED AND THEN REINSTALLED AFTER CONSTRUCTION TO AVOID DAMAGE.
4. GC SHALL PROTECT-IN-PLACE ALL EXISTING WALL-MOUNTED EQUIPMENT THAT IS TO REMAIN.
5. GC SHALL INSTALL EZ-PATH DEVICE ABOVE CEILING AT EACH PATIENT ROOM RATED CORRIDOR WALL TO CREATE A PATHWAY FOR TEMP POWER CABLING. EZ-PATH DEVICES ARE TO REMAIN AT COMPLETION OF WORK FOR FUTURE USE.

DEMOLITION LEGEND

SYMBOL	DESCRIPTION
	(E) NON-RATED PARTITION
	(E) NON-RATED DOUBLE STUD SMOKE PARTITION
	(E) 1 HOUR RATED METAL STUD SMOKE BARRIER
	(E) 1 HOUR RATED METAL STUD FIRE BARRIER
	(E) 1 HOUR RATED SMOKE PARTITION SHAFT WALL
	(E) 1 HOUR RATED FIRE PARTITION METAL STUD WALL
	(E) 2 HOUR RATED FIRE WALL
	(E) 2 HOUR RATED SMOKE BARRIER
	(E) 2 HOUR RATED FIRE BARRIER
	DEMOLISH WALL
	TEMPORARY CONSTRUCTION BARRIER
	DEMOLISH DOOR AND FRAME
	NOT IN SCOPE. NOTE: HATCH IS DIAGRAMMATIC IN NATURE AND IS TO BE COMPARED TO THE SET IN ITS ENTIRETY FOR A COMPREHENSIVE UNDERSTANDING OF THE SCOPE.

KEYNOTE LEGEND

KEY	KEYNOTE TEXT
5118	(E) SHARPS DISPOSAL UNIT. REMOVE AND RELOCATE AS FIELD COORDINATED WITH AOR AND OWNER'S REP. PATCH/REPAIR EXISTING WALL FINISH.

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
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Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT — CAITLIN W. STEVENSON — 36300 — EXP. 5-31-25 — STATE OF CALIFORNIA

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TAYLOR design

REV	REVISION DESCRIPTION	DATE
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CONST. DOCUMENTS

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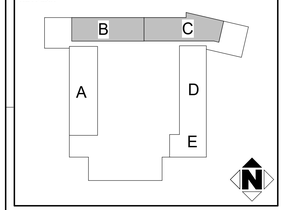
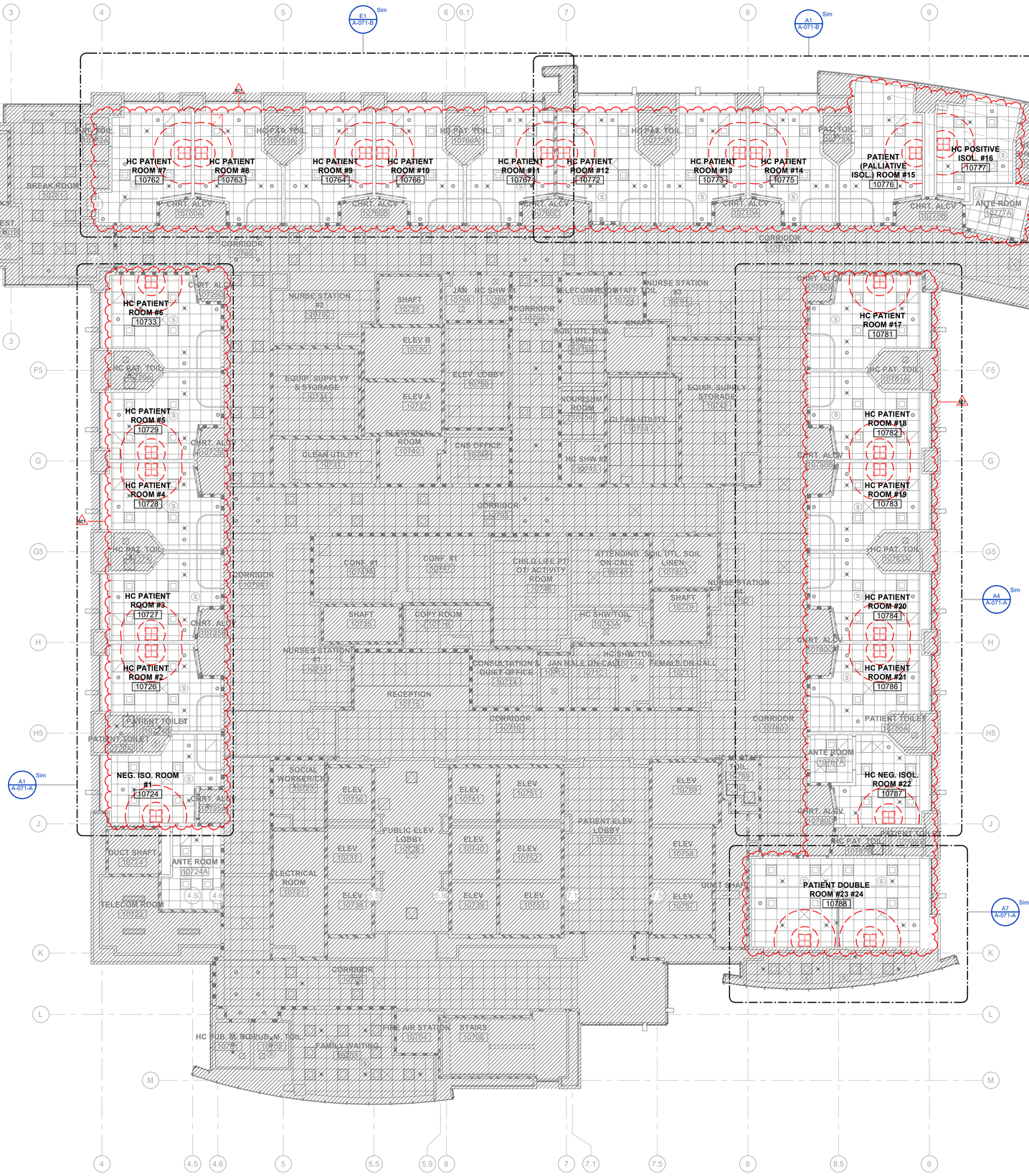


UCDH PROJECT NO.: 9557750
HCAI - OSHPD NO.: S250003-34-00
BUILDING: BLDG-01445
FLOOR LIVING: 10TH FLOOR
PROJECT TITLE: DT10 PICU CEILING TILE & BOOM REPLACEMENT
SHEET TITLE: LEVEL 10 SEGMENTED DEMOLITION PLAN

ARCH./ENGR.	FD&C JOB NO.	SHEET NO.
ARCH	9557750 - L010335	A-041-B
UCDMC PROJ. MANAGER	SCALE	
SEJAL SHARMA	1/4" = 1'-0"	
DESIGNED BY	DATE	
J. HOFFMAN	03/28/25	
DRAWN BY	CAD FILE	SHEET / OF
A. VILLAFANE	-	

FILE NAME: Autodesk Docs://9382-UCD-UCDMC PICU Boom/9382-UCD-UCDMC PICU Boom.rvt



DEMOLITION CEILING NOTES

1. REFER TO GENERAL NOTES ON SHEETS G-011, G-012, & A-001.
2. DIMENSIONS ARE TO FACE OF FINISH, UNLESS OTHERWISE NOTED.
3. REMOVE ALL ACOUSTIC CEILING TILES, WHERE SHOWN. EXISTING ACT GRIDS ARE INTENDED TO REMAIN. PROTECT (E) FRAMED SOFFITS AND HARD CEILINGS IN PROJECT SCOPE AREA.
4. ALL EXISTING CEILING-MOUNTED DEVICES ARE TO REMAIN. REMOVE AND REINSTALL AS NECESSARY FOR ABOVE CEILING WORK TO OCCUR.
5. COORDINATE THE REMOVAL & REINSTALLATION OF ALL CEILING-MOUNTED IT DEVICES (WAP, TELEMETRY, ETC) WHERE OCCURS WITH UCDH IT TEAM PRIOR TO REMOVAL.
6. WHERE DEMOLITION OCCURS, PATCH AND REPAIR (E) CEILING AS NECESSARY.
7. ALL MECHANICAL REGISTERS (SUPPLY/RETURN/EXHAUST) WITHIN THE AREA OF WORK SHALL BE SEALED AND PROTECTED FROM DUST/DEBRIS DURING CONSTRUCTION.
8. THERE IS NO FIRE ALARM SCOPE OF WORK ASSOCIATED WITH THIS PROJECT. THE INTENT IS THAT THE FIRE ALARM SYSTEM WILL REMAIN ACTIVE WITH NO DEVICES REMOVED. EXISTING SMOKE DETECTORS WITHIN THE AREA OF CONSTRUCTION WILL BE TEMPORARILY CAPPED FOR THE DURATION OF EACH PHASE OF CONSTRUCTION. SHOULD THE NEED ARISE FOR REMOVAL/REPLACEMENT OF ANY FIRE ALARM DEVICE(S), ADDITIONAL TESTING AND TIO REQUIREMENTS WILL BE REQUIRED. SUCH WORK IS TO BE COORDINATED/COMMUNICATED TO AOR, IOR, AND OSHPD FIELD FLSO IN ADVANCE OF THE WORK.

A21

NOT IN SCOPE. NOTE: HATCH IS DIAGRAMMATIC IN NATURE AND IS TO BE COMPARED TO THE SET IN ITS ENTIRETY FOR A COMPREHENSIVE UNDERSTANDING OF THE SCOPE.

DEMOLITION CEILING LEGEND

SYMBOL	DESCRIPTION
CEILING TYPE	(E) 2' x 2' SUSPENDED CEILING GRID WITH LAY-IN TILES TO REMAIN REMOVE (E) 2'X2' ACOUSTIC CEILING TILES, PROTECT EXISTING SUSPENDED CEILING GRID.
LIGHT FIXTURES	NOTE: REFER TO ELECTRICAL DRAWINGS (E) LIGHT FIXTURE TO REMAIN - NOT IN SCOPE (E) LIGHT FIXTURES TO REMAIN - PROTECT IN PLACE DURING ABOVE CEILING BOOM REPLACEMENT WORK.
MECHANICAL EQUIPMENT	NOTE: REFER TO MECHANICAL DRAWINGS (E) RETURN REGISTER TO REMAIN - NOT IN SCOPE (E) SUPPLY AIR REGISTER TO REMAIN - NOT IN SCOPE (E) MECHANICAL REGISTERS TO REMAIN - PROTECT IN PLACE DURING ABOVE CEILING BOOM REPLACEMENT WORK.

A1 DEMOLITION REFLECTED CEILING PLAN

1/8" = 1'-0"

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

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Office of Statewide Hospital Planning and Development
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TAYLOR design

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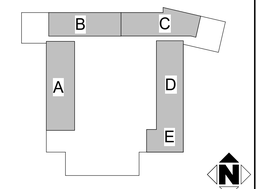
CONST. DOCUMENTS

KEYPLAN



UCDH PROJECT NO.: 9557750
HCAI - OSHPD NO.: S250003-34-00
BUILDING: BLDG-01445
FLOOR / WING: 10TH FLOOR
PROJECT TITLE: DT10 PICU CEILING TILE & BOOM REPLACEMENT
SHEET TITLE: LEVEL 10 OVERALL DEMOLITION REFLECTED CEILING PLAN

ARCH / ENGR.	FD&C JOB NO.	SHEET NO.
ARCH	9557750 - L010335	A-061
UCDMC PROJ. MANAGER	SCALE	
SEJAL SHARMA	As indicated	
DESIGNED BY	DATE	
J. HOFFMAN	03/28/25	
DRAWN BY	CAD FILE	SHEET / OF
A. VILLAFANE	-	

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FILE NAME: Autodesk Docs://6382-UCD-UCDMC PICU Boom/6382-UCD-UCDMC PICU Boom.rvt

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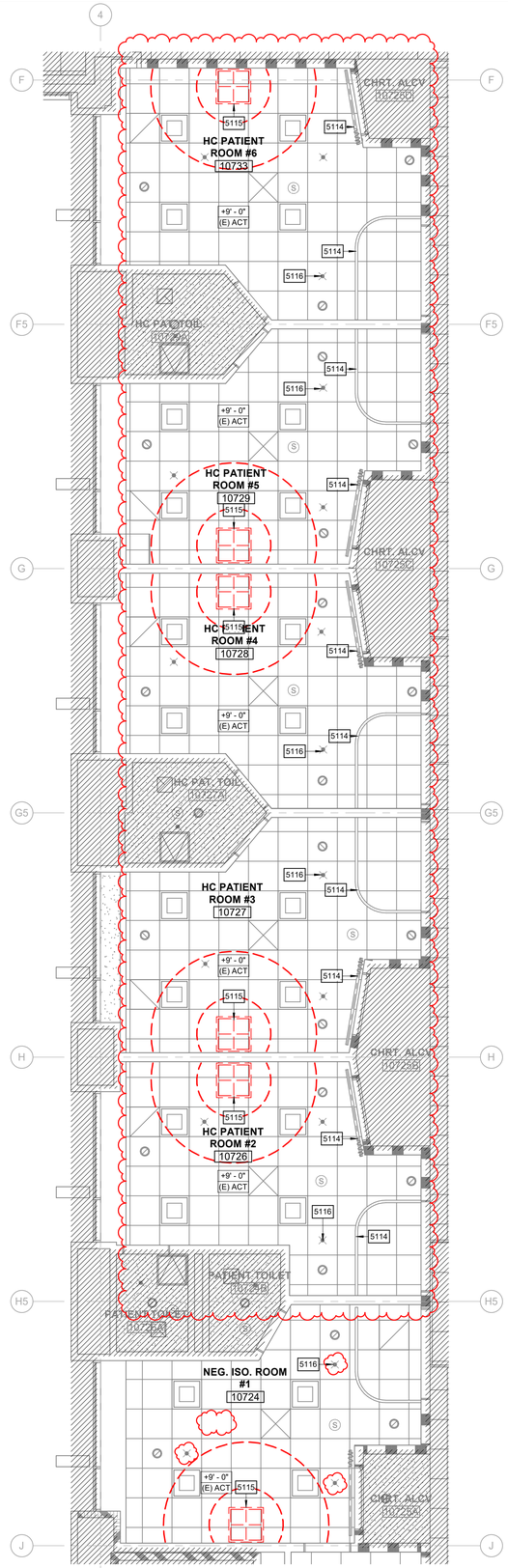
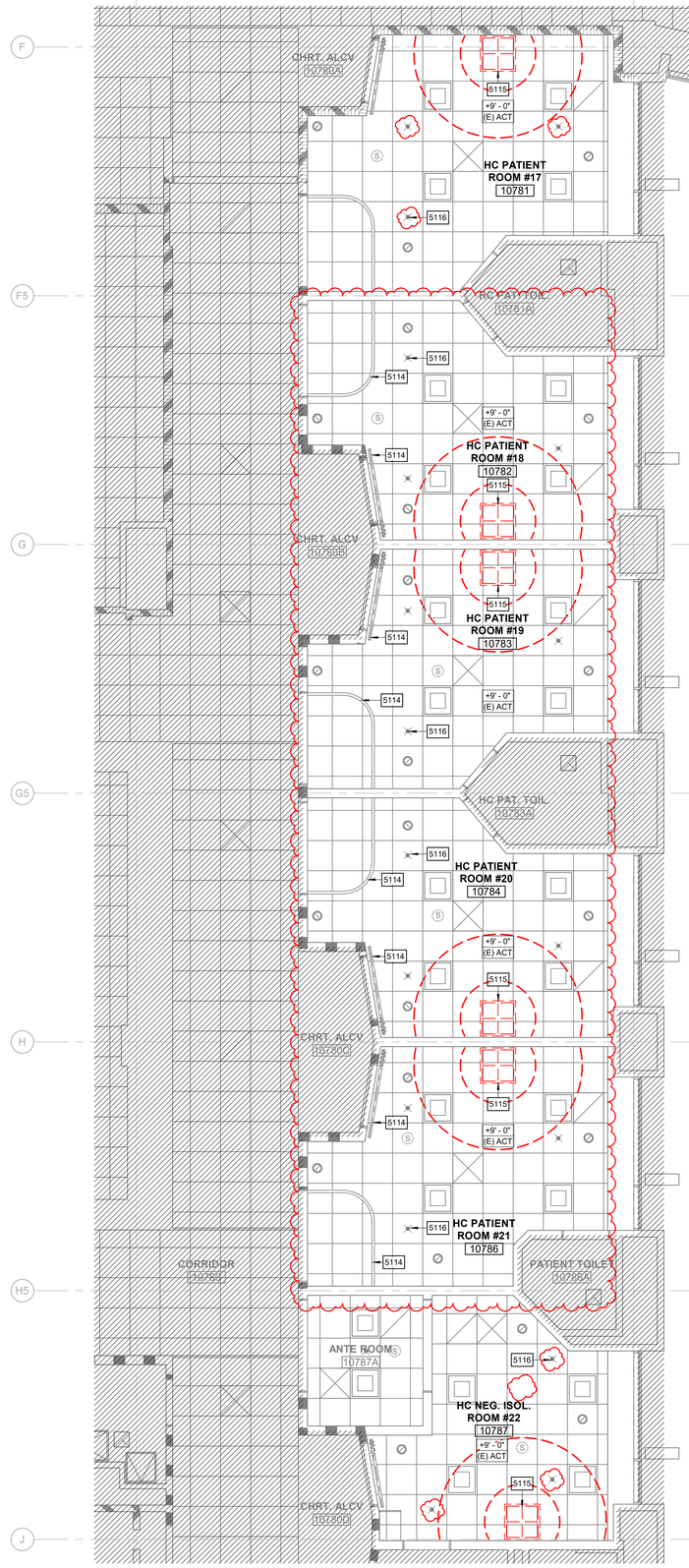
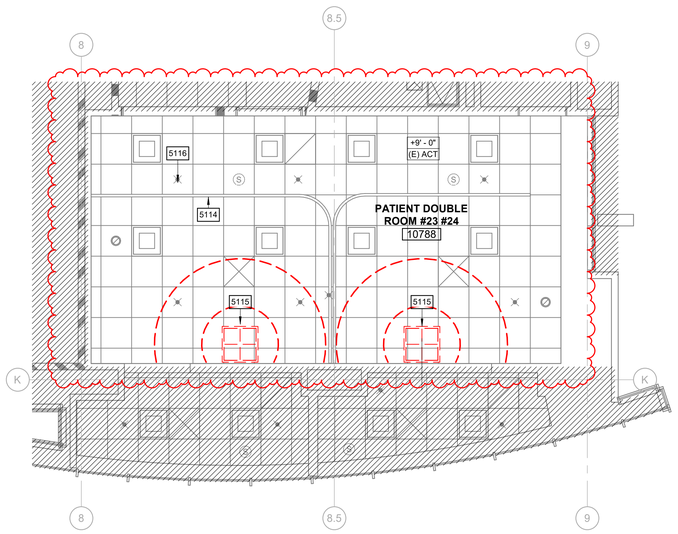


A1 DEMOLITION REFLECTED CEILING PLAN - SEGMENT A
1/4" = 1'-0"



A4 DEMOLITION REFLECTED CEILING PLAN - SEGMENT D
1/4" = 1'-0"



A7 DEMOLITION REFLECTED CEILING PLAN - SEGMENT E
1/4" = 1'-0"

DEMOLITION CEILING NOTES

1. REFER TO GENERAL NOTES ON SHEETS G-011, G-012, & A-001.
2. DIMENSIONS ARE TO FACE OF FINISH, UNLESS OTHERWISE NOTED.
3. REMOVE ALL ACOUSTIC CEILING TILES, WHERE SHOWN. EXISTING ACT GRIDS ARE INTENDED TO REMAIN. PROTECT (E) FRAMED SOFFITS AND HARD CEILINGS IN PROJECT SCOPE AREA.
4. ALL EXISTING CEILING-MOUNTED DEVICES ARE TO REMAIN. REMOVE AND REINSTALL AS NECESSARY FOR ABOVE CEILING WORK TO OCCUR.
5. COORDINATE THE REMOVAL & REINSTALLATION OF ALL CEILING-MOUNTED IT DEVICES (WAP, TELEMETRY, ETC) WHERE OCCURS WITH UCDH IT TEAM PRIOR TO REMOVAL.
6. WHERE DEMOLITION OCCURS, PATCH AND REPAIR (E) CEILING AS NECESSARY.
7. ALL MECHANICAL REGISTERS (SUPPLY/RETURN/EXHAUST) WITHIN THE AREA OF WORK SHALL BE SEALED AND PROTECTED FROM DUST/DEBRIS DURING CONSTRUCTION.
8. THERE IS NO FIRE ALARM SCOPE OF WORK ASSOCIATED WITH THIS PROJECT. THE INTENT IS THAT THE FIRE ALARM SYSTEM WILL REMAIN ACTIVE WITH NO DEVICES REMOVED. EXISTING SMOKE DETECTORS WITHIN THE AREA OF CONSTRUCTION WILL BE TEMPORARILY CAPPED FOR THE DURATION OF EACH PHASE OF CONSTRUCTION, SHOULD THE NEED ARISE FOR REMOVAL/REPLACEMENT OF ANY FIRE ALARM DEVICE(S), ADDITIONAL TESTING AND TIO REQUIREMENTS WILL BE REQUIRED. SUCH WORK IS TO BE COORDINATED/COMMUNICATED TO AOR, IOR, AND OSHPD FIELD FLSO IN ADVANCE OF THE WORK.

ACT1

NOT IN SCOPE. NOTE: HATCH IS DIAGRAMMATIC IN NATURE AND IS TO BE COMPARED TO THE SET IN ITS ENTIRETY FOR A COMPREHENSIVE UNDERSTANDING OF THE SCOPE.

DEMOLITION CEILING LEGEND

SYMBOL	DESCRIPTION
CEILING TYPE	(E) 2' x 2' SUSPENDED CEILING GRID WITH LAY-IN TILES TO REMAIN
	REMOVE (E) 2'X2' ACOUSTIC CEILING TILES, PROTECT EXISTING SUSPENDED CEILING GRID.
LIGHT FIXTURES	NOTE: REFER TO ELECTRICAL DRAWINGS
	(E) LIGHT FIXTURE TO REMAIN - NOT IN SCOPE
	(E) LIGHT FIXTURES TO REMAIN - PROTECT IN PLACE DURING ABOVE CEILING BOOM REPLACEMENT WORK.
MECHANICAL EQUIPMENT	NOTE: REFER TO MECHANICAL DRAWINGS
	(E) RETURN REGISTER TO REMAIN - NOT IN SCOPE
	(E) SUPPLY AIR REGISTER TO REMAIN - NOT IN SCOPE
	(E) MECHANICAL REGISTERS TO REMAIN - PROTECT IN PLACE DURING ABOVE CEILING BOOM REPLACEMENT WORK.

KEYNOTE LEGEND

KEY	KEYNOTE TEXT
5114	(E) CEILING-MOUNTED EXAM CURTAIN TRACK TO REMAIN.
5115	(E) CEILING-MOUNTED MEDICAL GAS AND LIGHT BOOM. REMOVE.
5116	(E) FIRE SPRINKLER HEAD TO REMAIN.

ACT1

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
6/26/2025, 2:54:24 PM
S250003-34-00
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT CAITLIN W. STEVENSON 36306 EXP. 5-31-25 STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

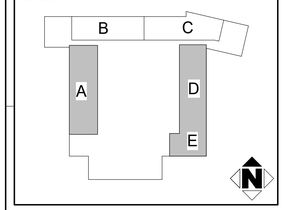
UCDAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
SACRAMENTO, CALIFORNIA 95817
(916)734-7934

TAYLOR design

REV	REVISION DESCRIPTION	DATE
BC1	OSHPD BACKCHECK 1	03/28/2025

CONST. DOCUMENTS

KEYPLAN



UCDH PROJECT NO.: 9557750
HCAI - OSHPD NO.: S250003-34-00
BUILDING: BLDG-01445
FLOOR LWING: 10TH FLOOR
PROJECT TITLE: DT10 PICU CEILING TILE & BOOM REPLACEMENT
SHEET TITLE: LEVEL 10 SEGMENTED DEMOLITION REFLECTED CEILING PLAN

ARCH \ENGR.	FD&C JOB NO.	SHEET NO.
ARCH	9557750 - L010335	A-071-A
UCDMC PROJ. MANAGER	SCALE	
SEJAL SHARMA	1/4" = 1'-0"	
DESIGNED BY	DATE	
J. HOFFMAN	03/28/25	
DRAWN BY	CAD FILE	SHEET / OF
A. VILLAFANE	-	

FILE NAME: Autodesk Docs://9382-UCD-UCDMC PICU Boom/9382-UCD-UCDMC PICU Boom.rvt

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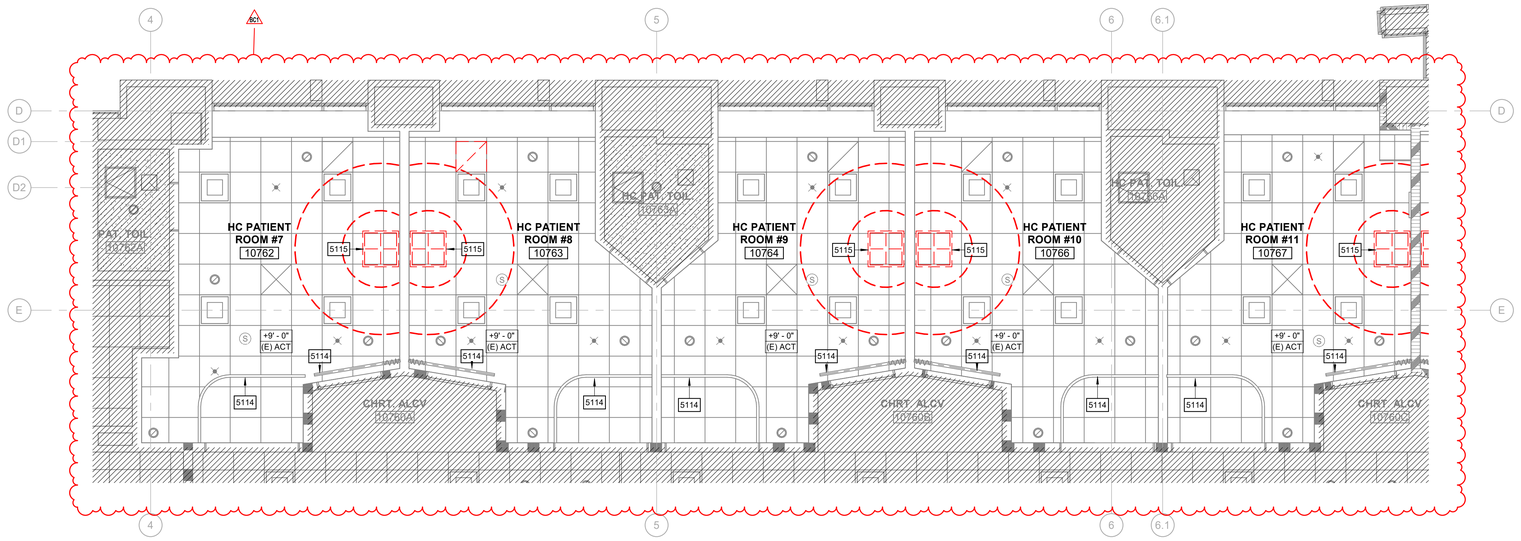
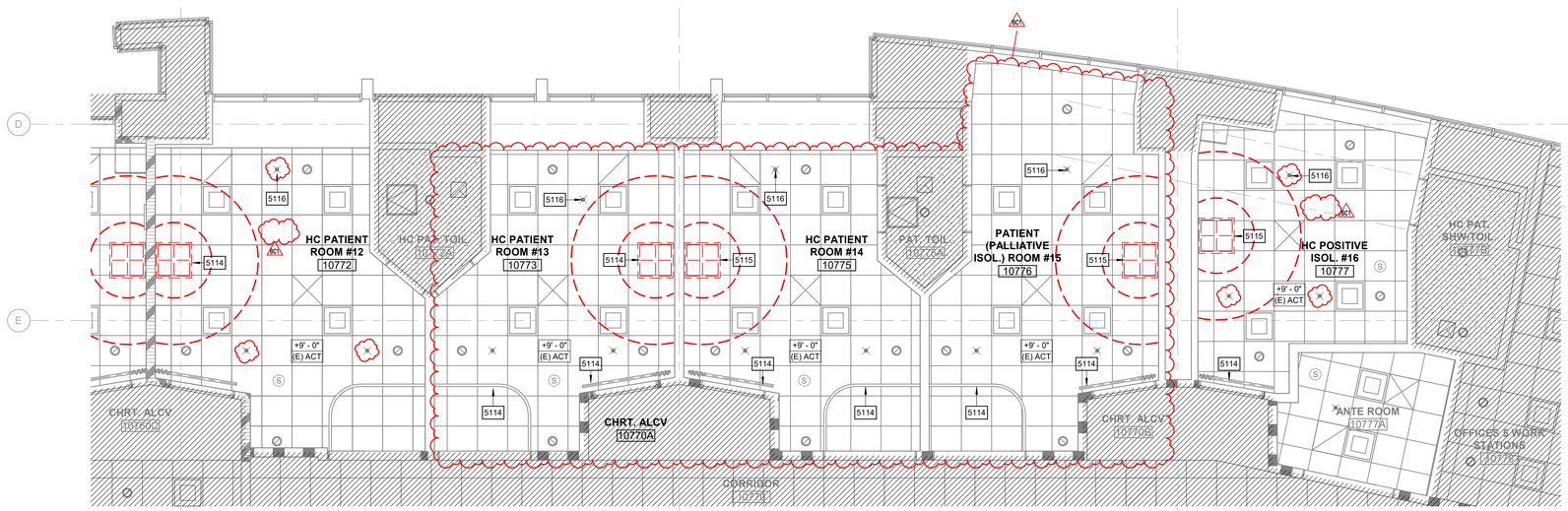


E1 DEMOLITION REFLECTED CEILING PLAN - SEGMENT B

1/4" = 1'-0"



A1 DEMOLITION REFLECTED CEILING PLAN - SEGMENT C

1/4" = 1'-0"

DEMOLITION CEILING NOTES

1. REFER TO GENERAL NOTES ON SHEETS G-011, G-012, & A-001.
2. DIMENSIONS ARE TO FACE OF FINISH, UNLESS OTHERWISE NOTED.
3. REMOVE ALL ACOUSTIC CEILING TILES, WHERE SHOWN. EXISTING ACT GRIDS ARE INTENDED TO REMAIN. PROTECT (E) FRAMED SOFFITS AND HARD CEILINGS IN PROJECT SCOPE AREA.
4. ALL EXISTING CEILING-MOUNTED DEVICES ARE TO REMAIN. REMOVE AND REINSTALL AS NECESSARY FOR ABOVE CEILING WORK TO OCCUR.
5. COORDINATE THE REMOVAL & REINSTALLATION OF ALL CEILING-MOUNTED IT DEVICES (WAP, TELEMETRY, ETC) WHERE OCCURS WITH UCDH IT TEAM PRIOR TO REMOVAL.
6. WHERE DEMOLITION OCCURS, PATCH AND REPAIR (E) CEILING AS NECESSARY.
7. ALL MECHANICAL REGISTERS (SUPPLY/RETURN/EXHAUST) WITHIN THE AREA OF WORK SHALL BE SEALED AND PROTECTED FROM DUST/DEBRIS DURING CONSTRUCTION.
8. THERE IS NO FIRE ALARM SCOPE OF WORK ASSOCIATED WITH THIS PROJECT. THE INTENT IS THAT THE FIRE ALARM SYSTEM WILL REMAIN ACTIVE WITH NO DEVICES REMOVED. EXISTING SMOKE DETECTORS WITHIN THE AREA OF CONSTRUCTION WILL BE TEMPORARILY CAPPED FOR THE DURATION OF EACH PHASE OF CONSTRUCTION. SHOULD THE NEED ARISE FOR REMOVAL/REPLACEMENT OF ANY FIRE ALARM DEVICE(S), ADDITIONAL TESTING AND TIO REQUIREMENTS WILL BE REQUIRED. SUCH WORK IS TO BE COORDINATED/COMMUNICATED TO AOR, IOR, AND OSHPD FIELD FLSO IN ADVANCE OF THE WORK.

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DEMOLITION CEILING LEGEND

SYMBOL	DESCRIPTION
CEILING TYPE	(E) 2' x 2' SUSPENDED CEILING GRID WITH LAY-IN TILES TO REMAIN
	REMOVE (E) 2'X2' ACOUSTIC CEILING TILES, PROTECT EXISTING SUSPENDED CEILING GRID.
LIGHT FIXTURES	NOTE: REFER TO ELECTRICAL DRAWINGS
	(E) LIGHT FIXTURE TO REMAIN - NOT IN SCOPE
	(E) LIGHT FIXTURES TO REMAIN - PROTECT IN PLACE DURING ABOVE CEILING BOOM REPLACEMENT WORK.
MECHANICAL EQUIPMENT	NOTE: REFER TO MECHANICAL DRAWINGS
	(E) RETURN REGISTER TO REMAIN - NOT IN SCOPE
	(E) SUPPLY AIR REGISTER TO REMAIN - NOT IN SCOPE
	(E) MECHANICAL REGISTERS TO REMAIN - PROTECT IN PLACE DURING ABOVE CEILING BOOM REPLACEMENT WORK.

KEYNOTE LEGEND

KEY	KEYNOTE TEXT
5114	(E) CEILING-MOUNTED EXAM CURTAIN TRACK TO REMAIN.
5115	(E) CEILING-MOUNTED MEDICAL GAS AND LIGHT BOOM. REMOVE.
5116	(E) FIRE SPRINKLER HEAD TO REMAIN.

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
6/26/2025, 2:54:24 PM
S250003-34-00
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT
CAITLIN W. STEVENSON
36306
REN. 5-31-25
STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

UCDAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
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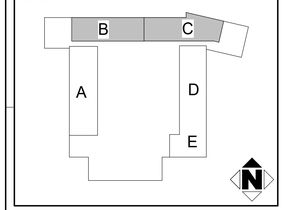
SACRAMENTO, CALIFORNIA 95817
(916)734-7934

TAYLOR design

REV	REVISION DESCRIPTION	DATE
BC1	OSHPD BACKCHECK 1	03/28/2025

CONST. DOCUMENTS

KEYPLAN

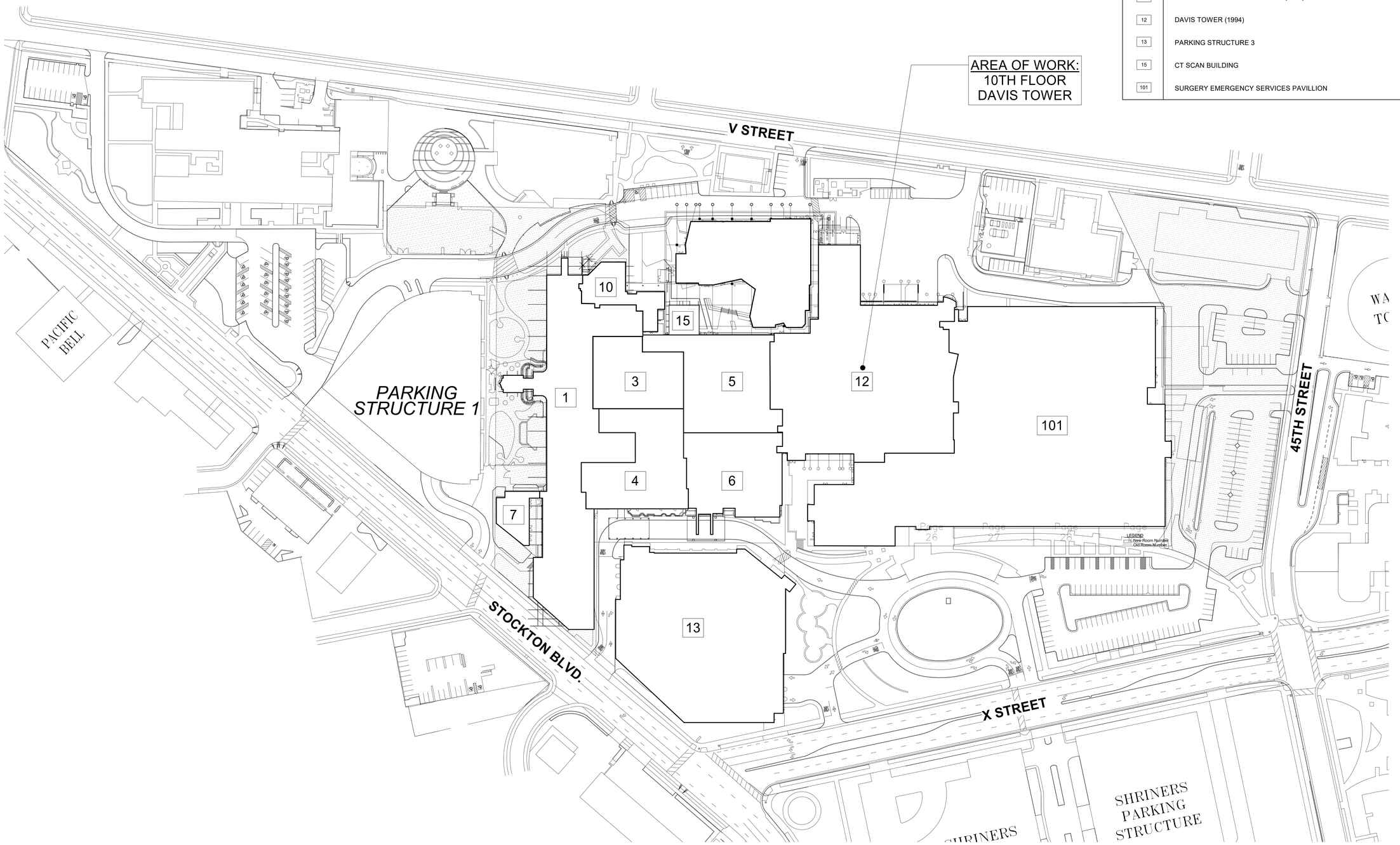


UCDH PROJECT NO.: 9557750
HCAI - OSHPD NO.: S250003-34-00
BUILDING: BLDG-01445
FLOOR LIVING: 10TH FLOOR
PROJECT TITLE: DT10 PICU CEILING TILE & BOOM REPLACEMENT
SHEET TITLE: LEVEL 10 SEGMENTED DEMOLITION REFLECTED CEILING PLAN

ARCH./ENGR.	FD&C JOB NO.	SHEET NO.
ARCH	9557750 - L010335	A-071-B
UCDMC PROJ. MANAGER	SCALE	
SEJAL SHARMA	1/4" = 1'-0"	
DESIGNED BY	DATE	
J. HOFFMAN	03/28/25	
DRAWN BY	CAD FILE	SHEET / OF
A. VILLAFANE	-	

FILE NAME: Autodesk Docs://9382-UCD-UCDMC PICU Boom/9382-UCD-UCDMC PICU Boom.rvt

12/18/2024 8:02:12 AM TAYLOR & ASSOCIATES ARCHITECTS. IF THIS DRAWING IS NOT 30"x42" IT HAS BEEN MODIFIED



A1 SITE PLAN
1" = 60'-0"

FIRE LIFE SAFETY SITE GENERAL NOTES

1. REFER TO GENERAL NOTES ON SHEET ???.

MAIN BUILDING INDEX

1	NORTH/SOUTH WING (1928/1950)
3	EAST WING - TOWER (1964)
4	EAST WING - RADIOLOGY (1964)
5	EAST WING - LAUNDRY (1964/1979/1990)
6	UNIVERSITY TOWER (1982)
7	MRI (1985)
10	EMERGENCY ROOM EXPANSION (1990)
12	DAVIS TOWER (1994)
13	PARKING STRUCTURE 3
15	CT SCAN BUILDING
101	SURGERY EMERGENCY SERVICES PAVILLION

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
6/26/2025, 2:54:24 PM
S250003-34-00
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT
CAITLIN W. STEVENSON
36376
REN. 5-31-25
STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

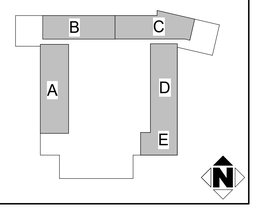
UCDAVIS HEALTH
Facilities Design & Construction
4800 2nd Avenue Suite 3010
Sacramento, California 95817
(916)734-7934

TAYLOR design

REV	REVISION DESCRIPTION	DATE

CONST. DOCUMENTS

KEYPLAN



UCDH PROJECT NO.: 9557750
HCAI - OSHPD NO.: S250003-34-00
BUILDING: BLDG-01445
FLOOR \ WING: 10TH FLOOR
PROJECT TITLE: **DT10 PICU CEILING TILE & BOOM REPLACEMENT**
SHEET TITLE: **SITE PLAN**

ARCH.\ENGR. ARCH	FD&C JOB NO. 9557750 - L010335	SHEET NO. A-110	
UCDMC PROJ. MANAGER SEJAL SHARMA	SCALE As indicated		
DESIGNED BY J. HOFFMAN	DATE 12/16/24		
DRAWN BY A. VILLAFANE	CAD FILE -	SHEET	OF

FILE NAME: Autodesk Docs://8382-UCD-UCDMC PICU Boom/8382-UCD-UCDMC PICU Boom.rvt

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A1 LEVEL 10 OVERALL FLOOR PLAN

1/8" = 1'-0"

PLAN NOTES

1. REFER TO GENERAL NOTES ON SHEETS G-011, G-012, & A-001.
2. DIMENSIONS ARE TO FACE OF FINISH, UNLESS OTHERWISE NOTED.
3. REFER TO THE REFLECTED CEILING PLANS ON SHEETS A-161, A-171-A, & A-171-B FOR ACOUSTICAL CEILING TILE LOCATION AND EXTENTS.
4. PAINT GYPSUM WALLS P-1 UNLESS NOTED OTHERWISE.
5. REFER TO THE SEGMENTED FLOOR PLANS FOR ACCENT PAINT LOCATIONS AND EXTENTS.
6. PAINT HOLLOW METAL DOOR FRAMES AND WINDOW FRAMES P-1 UNLESS NOTED OTHERWISE.
7. FOR P-2 ACCENT WALLS, ALLOW EXTRA TIME FOR MULTIPLE PAINT COATS TO ACCOMMODATE COLOR INTENSITY.
8. REMOVE AND REPLACE EXISTING WALL PROTECTION AS NECESSARY FOR NEW WORK TO OCCURE.
9. PATCH/REPAIR OF EXISTING FLOORING, COVED WALL BASE, WALL PROTECTION, GYPSUM BOARD, ETC MAY BE NECESSARY AT LOCATIONS WHERE NEW WALL-MOUNTED EXAM LIGHTS ARE TO BE INSTALLED, DUE TO THE STRUCTURAL WALL UPGRADES REQUIRED.
10. (E) SHARPS DISPOSAL UNIT AT EACH PATIENT ROOM IS TO BE REMOVED AND RELOCATED. LOCATION TO BE FIELD CONFIRMED BY AOR AND OWNER'S REP.

FINISH LEGEND

XX-XX — FINISH ACCENT EXTENT WITH TAG

FINISH SCHEDULE

099100 PAINTING AND COATING

CODE	DESCRIPTION	CODE	DESCRIPTION
P-1	MANUFACTURER: DUNN EDWARDS TYPE: ENDURCAT DESCRIPTION: TYPICAL FIELD PAINT COLOR: TBD PREP: SMOOTH, HARD, OR GLOSSY SURFACES TO BE SANDED PRIOR TO PAINTING, TYP. PRIMER: DUNN EDWARDS, ULTRA GRIP PREMIUM PRIMER	P-2	MANUFACTURER: DUNN EDWARDS TYPE: ENDURCAT DESCRIPTION: ACCENT PAINT COLOR: TBD PREP: SMOOTH, HARD, OR GLOSSY SURFACES TO BE SANDED PRIOR TO PAINTING, TYP. PRIMER: DUNN EDWARDS, ULTRA GRIP PREMIUM PRIMER

ACT

NOT IN SCOPE. NOTE: HATCH IS DIAGRAMMATIC IN NATURE AND IS TO BE COMPARED TO THE SET IN ITS ENTIRETY FOR A COMPREHENSIVE UNDERSTANDING OF THE SCOPE.

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
6/26/2025, 2:54:24 PM
S250003-34-00
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT — CAITLIN W. STEVENSON — 36300 — REN. 5-31-25 — STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

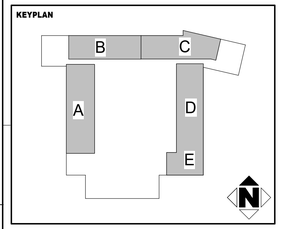
UC DAVIS HEALTH
Facilities Design & Construction
4800 2nd Avenue Suite 3010
Sacramento, California 95817
(916)734-7934

TAYLOR design

REV	REVISION DESCRIPTION	DATE
BC1	OSHPD BACKCHECK 1	03/28/2025

CONST. DOCUMENTS

KEYPLAN



UCDH PROJECT NO.: 9557750
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BUILDING: BLDG-01445
FLOOR \ WING: 10TH FLOOR
PROJECT TITLE: DT10 PICU CEILING TILE & BOOM REPLACEMENT
SHEET TITLE: LEVEL 10 OVERALL FLOOR PLAN

ARCH.\ENGR.: ARCH	FD&C JOB NO.: 9557750 - L010335	SHEET NO.: A-121
UCDMC PROJ. MANAGER: SEJAL SHARMA	SCALE: As indicated	
DESIGNED BY: J. HOFFMAN	DATE: 03/28/25	
DRAWN BY: A. VILLAFANE	CAD FILE: -	SHEET / OF

FILE NAME: Autodesk Docs://8382-UCD-UCDMC PICU Boom/8382-UCD-UCDMC PICU Boom.rvt

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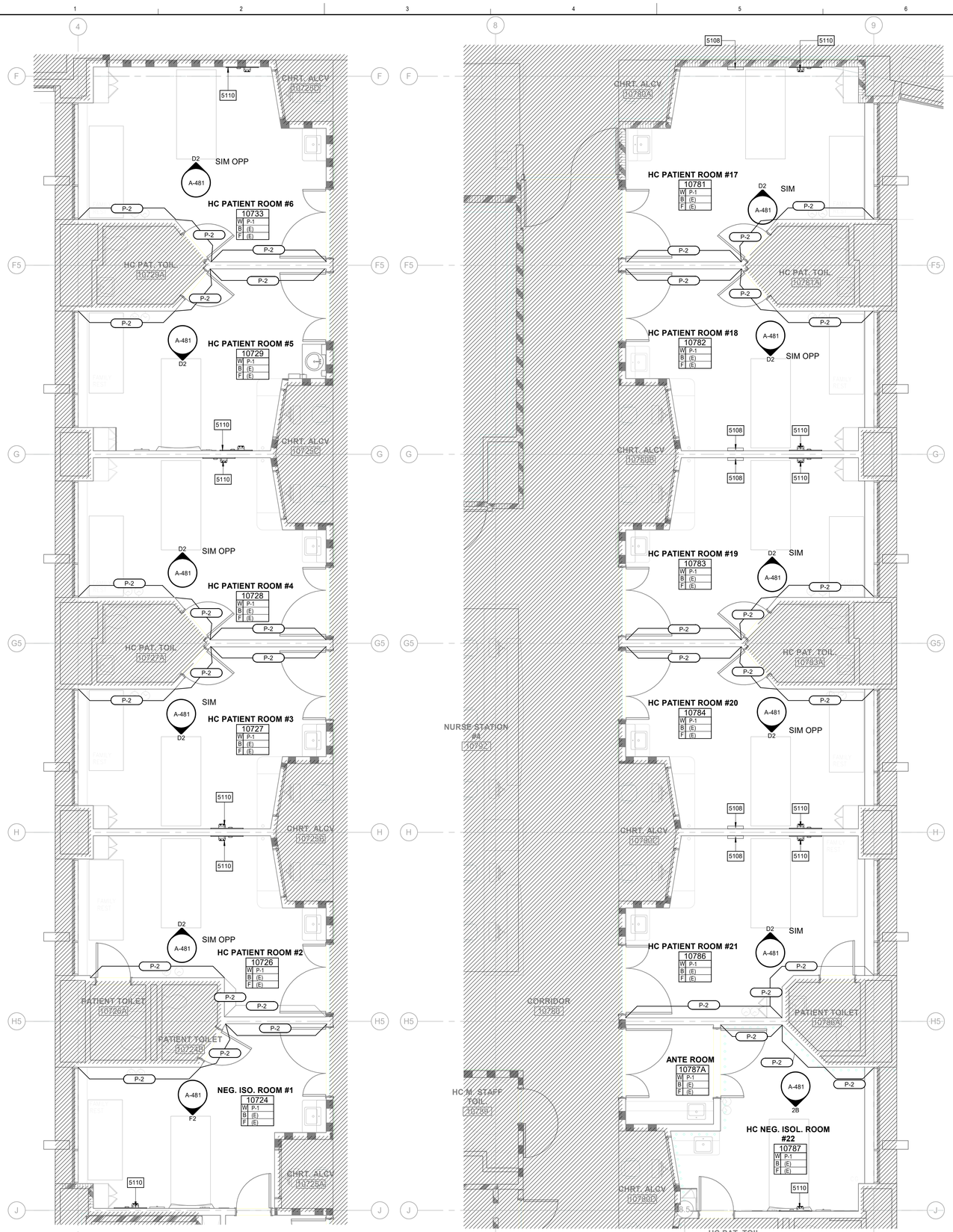
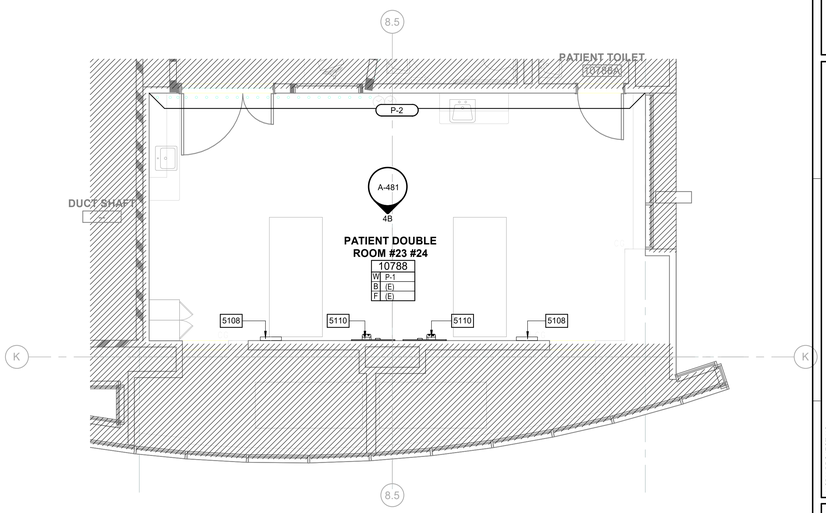


A1 LEVEL 10 OVERALL FLOOR PLAN - SEGMENT A
1/4" = 1'-0"

A4 LEVEL 10 OVERALL FLOOR PLAN - SEGMENT D
1/4" = 1'-0"



A7 LEVEL 10 OVERALL FLOOR PLAN - SEGMENT E
1/4" = 1'-0"

PLAN NOTES

1. REFER TO GENERAL NOTES ON SHEETS G-011, G-012, & A-001.
2. DIMENSIONS ARE TO FACE OF FINISH, UNLESS OTHERWISE NOTED.
3. REFER TO THE REFLECTED CEILING PLANS ON SHEETS A-161, A-171-A, & A-171-B FOR ACOUSTICAL CEILING TILE LOCATION AND EXTENTS.
4. PAINT GYPSUM WALLS P-1 UNLESS NOTED OTHERWISE.
5. REFER TO THE SEGMENTED FLOOR PLANS FOR ACCENT PAINT LOCATIONS AND EXTENTS.
6. PAINT HOLLOW METAL DOOR FRAMES AND WINDOW FRAMES P-1 UNLESS NOTED OTHERWISE.
7. FOR P-2 ACCENT WALLS, ALLOW EXTRA TIME FOR MULTIPLE PAINT COATS TO ACCOMMODATE COLOR INTENSITY.
8. REMOVE AND REPLACE EXISTING WALL PROTECTION AS NECESSARY FOR NEW WORK TO OCCURE.
9. PATCH/REPAIR OF EXISTING FLOORING, COVED WALL BASE, WALL PROTECTION, GYPSUM BOARD, ETC MAY BE NECESSARY AT LOCATIONS WHERE NEW WALL-MOUNTED EXAM LIGHTS ARE TO BE INSTALLED, DUE TO THE STRUCTURAL WALL UPGRADES REQUIRED.
10. (E) SHARPS DISPOSAL UNIT AT EACH PATIENT ROOM IS TO BE REMOVED AND RELOCATED. LOCATION TO BE FIELD CONFIRMED BY AOR AND OWNER'S REP.

4CH

FINISH LEGEND

XX-XX FINISH ACCENT EXTENT WITH TAG

FINISH SCHEDULE

099100 PAINTING AND COATING

CODE	DESCRIPTION		CODE	DESCRIPTION	
P-1	MANUFACTURER:	DUNN EDWARDS	P-2	MANUFACTURER:	DUNN EDWARDS
	TYPE:	ENDURCAT		TYPE:	ENDURCAT
	DESCRIPTION:	TYPICAL FIELD PAINT		DESCRIPTION:	ACCENT PAINT
	COLOR:	TBD		COLOR:	TBD
	PREP:	SMOOTH, HARD, OR GLOSSY SURFACES TO BE SANDED PRIOR TO PAINTING, TYP		PREP:	SMOOTH, HARD, OR GLOSSY SURFACES TO BE SANDED PRIOR TO PAINTING, TYP
	PRIMER:	DUNN EDWARDS, ULTRA GRIP PREMIUM PRIMER		PRIMER:	DUNN EDWARDS, ULTRA GRIP PREMIUM PRIMER

4CH

WALL PARTITION LEGEND

DESIGNATION	WALL TAG	DESCRIPTION
	N/A	(E) EXISTING NON-RATED WALL
	N/A	(E) 1 HOUR RATED METAL STUD SMOKE BARRIER
	N/A	(E) 1 HOUR RATED METAL STUD FIRE BARRIER
	N/A	(E) 1 HOUR RATED FIRE PARTITION METAL STUD WALL
	N/A	(E) 2 HOUR RATED SMOKE BARRIER
	N/A	(E) 2 HOUR RATED FIRE BARRIER

NOT IN SCOPE. NOTE: HATCH IS DIAGRAMMATIC IN NATURE AND IS TO BE COMPARED TO THE SET IN ITS ENTIRETY FOR A COMPREHENSIVE UNDERSTANDING OF THE SCOPE.

KEYNOTE LEGEND

KEY	KEYNOTE TEXT
5108	STERIS INTEGRATED WALL CONTROLLER (IWC) FOR SURGICAL LIGHT BOOM.
5110	WALL-MOUNTED MIDMARK DIAGNOSTIC BOARD WITH RECESSED IN-WALL BACK-BOX FOR CONCEALED POWER RECEPTACLE AND CORD STORAGE PER D9/A-551. LOCATION TO BE FIELD CONFIRMED WITH AOR AND OWNER'S REP.

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
6/26/2025, 2:54:24 PM
S250003-34-00
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT CAITLIN W. STEVENSON 36300 REN. 5-31-27 STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

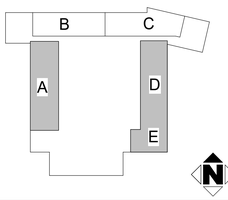
UCDAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
SACRAMENTO, CALIFORNIA 95817
(916)734-7934

TAYLOR design

REV	REVISION DESCRIPTION	DATE
BC1	OSHPD BACKCHECK 1	03/28/2025

CONST. DOCUMENTS

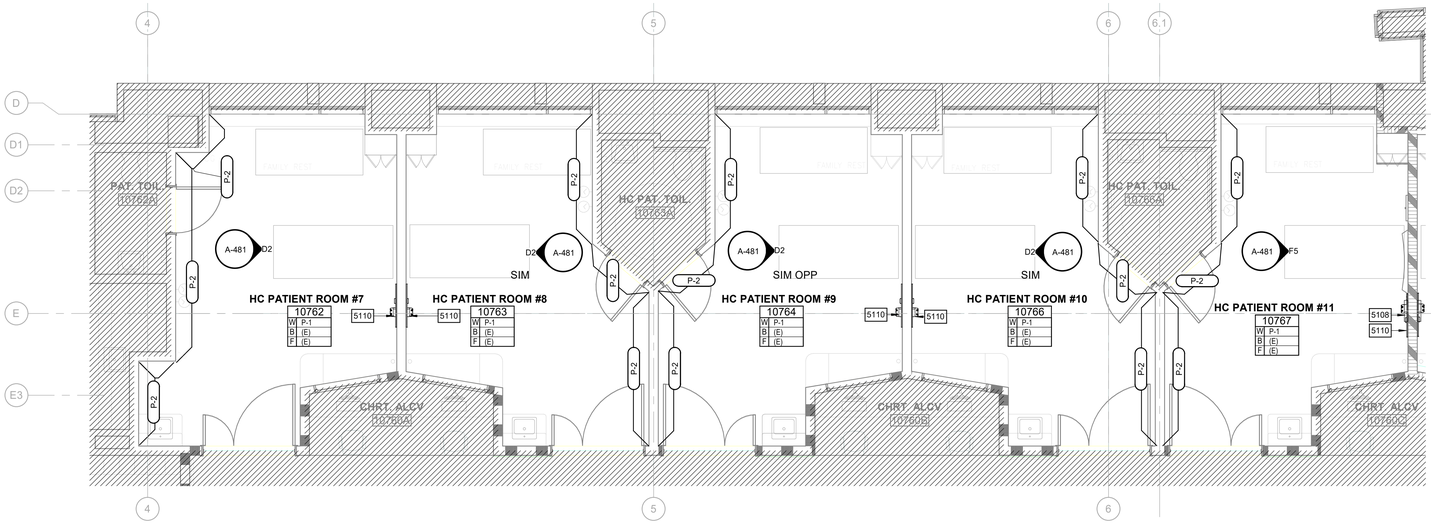
KEYPLAN



UCDH PROJECT NO.: 9557750
HCAI - OSHPD NO.: S250003-34-00
BUILDING: BLDG-01445
FLOOR \ WING: 10TH FLOOR
PROJECT TITLE: DT10 PICU CEILING TILE & BOOM REPLACEMENT
SHEET TITLE: LEVEL 10 SEGMENTED FLOOR PLAN

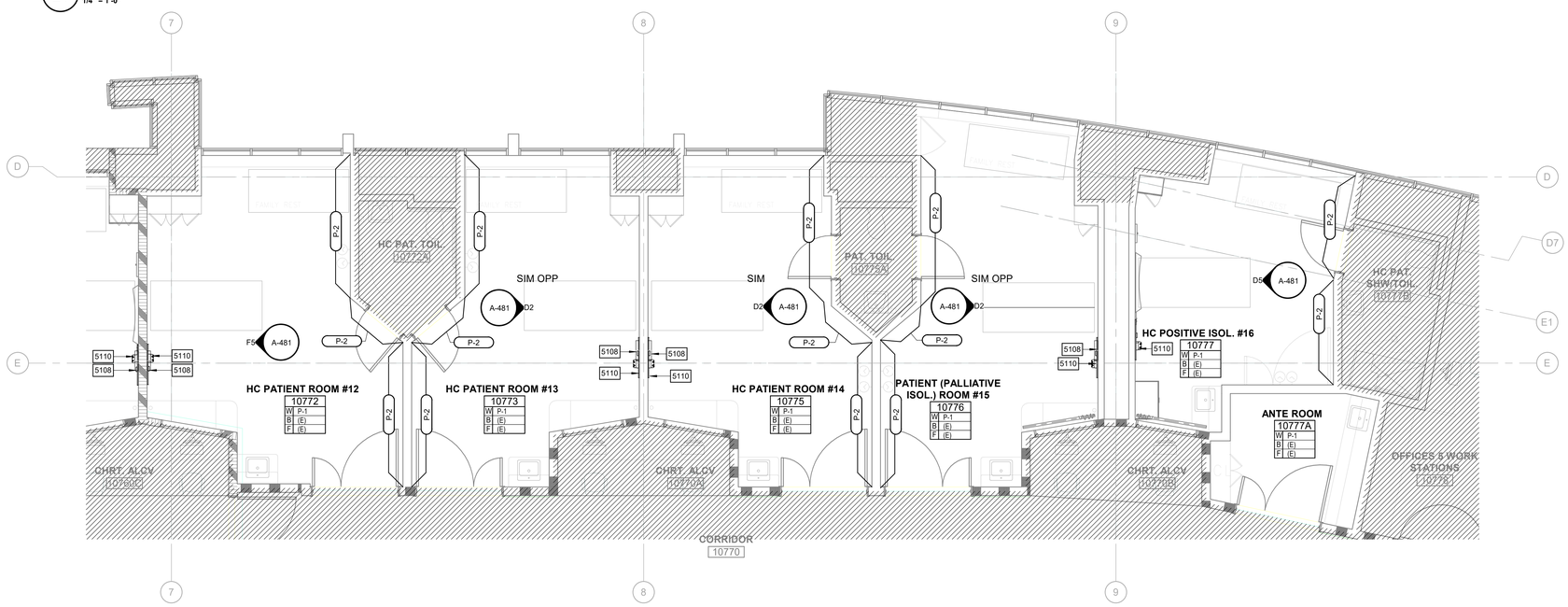
ARCH \ ENGR.	FD&C JOB NO.	SHEET NO.
ARCH	9557750 - L010335	A-141-A
UCDMC PROJ. MANAGER	SCALE	
SEJAL SHARMA	1/4" = 1'-0"	
DESIGNED BY	DATE	
J. HOFFMAN	03/28/25	
DRAWN BY	CAD FILE	SHEET / OF
A. VILLAFANE	-	

FILE NAME: Autodesk Docs://6382-UCD-UCDMC PICU Boom/6382-UCD-UCDMC PICU Boom.rvt



E1 LEVEL 10 OVERALL FLOOR PLAN - SEGMENT B

1/4" = 1'-0"



A1 LEVEL 10 OVERALL FLOOR PLAN - SEGMENT C

1/4" = 1'-0"

PLAN NOTES

1. REFER TO GENERAL NOTES ON SHEETS G-011, G-012, & A-001.
2. DIMENSIONS ARE TO FACE OF FINISH, UNLESS OTHERWISE NOTED.
3. REFER TO THE REFLECTED CEILING PLANS ON SHEETS A-161, A-171-A, & A-171-B FOR ACOUSTICAL CEILING TILE LOCATION AND EXTENTS.
4. PAINT GYPSUM WALLS P-1 UNLESS NOTED OTHERWISE.
5. REFER TO THE SEGMENTED FLOOR PLANS FOR ACCENT PAINT LOCATIONS AND EXTENTS.
6. PAINT HOLLOW METAL DOOR FRAMES AND WINDOW FRAMES P-1 UNLESS NOTED OTHERWISE.
7. FOR P-2 ACCENT WALLS, ALLOW EXTRA TIME FOR MULTIPLE PAINT COATS TO ACCOMMODATE COLOR INTENSITY.
8. REMOVE AND REPLACE EXISTING WALL PROTECTION AS NECESSARY FOR NEW WORK TO OCCURE.
9. PATCH/REPAIR OF EXISTING FLOORING, COVED WALL BASE, WALL PROTECTION, GYPSUM BOARD, ETC MAY BE NECESSARY AT LOCATIONS WHERE NEW WALL-MOUNTED EXAM LIGHTS ARE TO BE INSTALLED, DUE TO THE STRUCTURAL WALL UPGRADES REQUIRED.
10. (E) SHARPS DISPOSAL UNIT AT EACH PATIENT ROOM IS TO BE REMOVED AND RELOCATED. LOCATION TO BE FIELD CONFIRMED BY AOR AND OWNER'S REP.

FINISH LEGEND

XX-XX — FINISH ACCENT EXTENT WITH TAG

FINISH SCHEDULE

099100 PAINTING AND COATING

CODE	DESCRIPTION		CODE	DESCRIPTION	
P-1	MANUFACTURER:	DUNN EDWARDS	P-2	MANUFACTURER:	DUNN EDWARDS
	TYPE:	ENDURCAT		TYPE:	ENDURCAT
	DESCRIPTION:	TYPICAL FIELD PAINT		DESCRIPTION:	ACCENT PAINT
	COLOR:	TBD		COLOR:	TBD
	PREP:	SMOOTH, HARD, OR GLOSSY SURFACES TO BE SANDED PRIOR TO PAINTING, TYP.		PREP:	SMOOTH, HARD, OR GLOSSY SURFACES TO BE SANDED PRIOR TO PAINTING, TYP.
	PRIMER:	DUNN EDWARDS, ULTRA GRIP PREMIUM PRIMER		PRIMER:	DUNN EDWARDS, ULTRA GRIP PREMIUM PRIMER

WALL PARTITION LEGEND

DESIGNATION	WALL TAG	DESCRIPTION
	N/A	(E) EXISTING NON-RATED WALL
	N/A	(E) 1 HOUR RATED METAL STUD SMOKE BARRIER
	N/A	(E) 1 HOUR RATED METAL STUD FIRE BARRIER
	N/A	(E) 1 HOUR RATED FIRE PARTITION METAL STUD WALL
	N/A	(E) 2 HOUR RATED SMOKE BARRIER
	N/A	(E) 2 HOUR RATED FIRE BARRIER
		NOT IN SCOPE. NOTE: HATCH IS DIAGRAMMATIC IN NATURE AND IS TO BE COMPARED TO THE SET IN ITS ENTIRETY FOR A COMPREHENSIVE UNDERSTANDING OF THE SCOPE.

KEYNOTE LEGEND

KEY	KEYNOTE TEXT
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TAYLOR design

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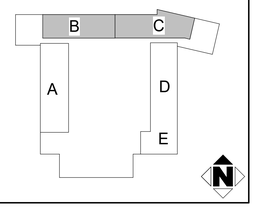

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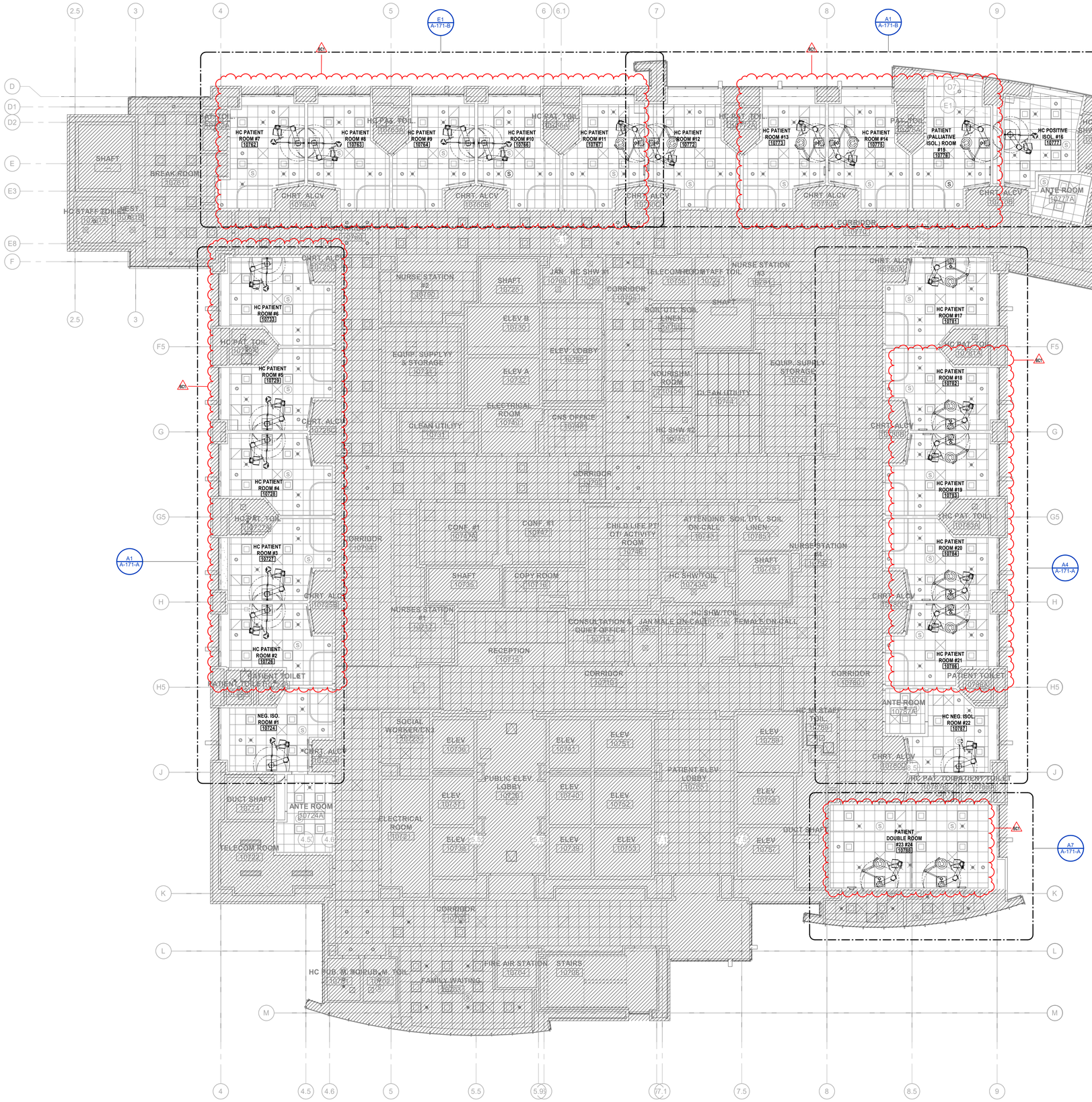
HCAI - OSHPD NO.: S250003-34-00
BUILDING: BLDG-01445
FLOOR LIVING: 10TH FLOOR
PROJECT TITLE: DT10 PICU CEILING TILE & BOOM REPLACEMENT
SHEET TITLE: LEVEL 10 SEGMENTED FLOOR PLAN

ARCH \ ENGR.	FD&C JOB NO.	SHEET NO.
ARCH	9557750 - L010335	A-141-B
UCDMC PROJ. MANAGER: SEJAL SHARMA	SCALE: 1/4" = 1'-0"	
DESIGNED BY: J. HOFFMAN	DATE: 03/28/25	
DRAWN BY: A. VILLAFANE	CAD FILE: -	SHEET / OF

3/28/2025 1:28:05 AM TAYLOR & ASSOCIATES ARCHITECTS IF THIS DRAWING IS NOT 30"x42" IT HAS BEEN MODIFIED

FILE NAME: Autodesk Docs://6382-UCD-UCDMC PICU Boom/6382-UCD-UCDMC PICU Boom.rvt

3/29/2025 1:28:09 AM TAYLOR & ASSOCIATES ARCHITECTS IF THIS DRAWING IS NOT 30"x42" IT HAS BEEN MODIFIED



A1 LEVEL 10 OVERALL REFLECTED CEILING PLAN

1/8" = 1'-0"

CEILING NOTES

1. REFER TO GENERAL NOTES ON SHEETS G-011, G-012, & A-001.
2. ALL EXISTING CEILING-MOUNTED DEVICES ARE TO REMAIN. REMOVE AND REINSTALL AS NECESSARY FOR ABOVE CEILING WORK TO OCCUR AND/OR FOR ACOUSTIC CEILING TILE REPLACEMENT.
3. COORDINATE THE REMOVAL & REINSTALLATION OF ALL CEILING-MOUNTED IT DEVICES (WAP, TELEMETRY, ETC) WHERE OCCURS WITH UCDH IT TEAM PRIOR TO REMOVAL.
4. CEILING HEIGHT DIMENSIONS ARE FROM FINISH FLOOR SLAB TO FINISH FACE OF CEILING, U.N.O.
5. ALL DIMENSIONS ARE TO THE CENTERLINE OF LIGHT FIXTURE, FIRE SPRINKLER HEAD, ACCESS PANEL, SUPPLY AND RETURN AND OTHER CEILING MOUNTED ELEMENTS MEASURED FROM FACE OF WALL, SOFFIT OR CURTAIN WALL.
6. REFER TO FINISH LEGEND FOR ADDITIONAL CEILING FINISH INFORMATION.
7. NOTE: THERE IS NO FIRE ALARM SCOPE OF WORK ASSOCIATED WITH THIS PROJECT. THE INTENT IS THAT THE FIRE ALARM SYSTEM WILL REMAIN ACTIVE WITH NO DEVICES REMOVED. EXISTING SMOKE DETECTORS WITHIN THE AREA OF CONSTRUCTION WILL BE TEMPORARILY CAPPED FOR THE DURATION OF EACH PHASE OF CONSTRUCTION. SHOULD THE NEED ARISE FOR REMOVAL/REPLACEMENT OF ANY FIRE ALARM DEVICE(S), ADDITIONAL TESTING AND TIO REQUIREMENTS WILL BE REQUIRED. SUCH WORK IS TO BE COORDINATED/COMMUNICATED TO AOR, IOR, AND OSHPD FIELD FLSO IN ADVANCE OF THE WORK.

BC1

CEILING LEGEND

SYMBOL	DESCRIPTION
MECHANICAL EQUIPMENT	NOTE: REFER TO MECHANICAL DRAWINGS
	(E) SUPPLY, RETURN AND EXHAUST REGISTERS TO REMAIN
	REINSTALL (E) SUPPLY, RETURN AND EXHAUST AIR REGISTERS
	ACCESS PANEL
	NOT IN SCOPE. NOTE: HATCH IS DIAGRAMMATIC IN NATURE AND IS TO BE COMPARED TO THE SET IN ITS ENTIRETY FOR A COMPREHENSIVE UNDERSTANDING OF THE SCOPE.

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

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Office of Statewide Hospital Planning and Development
6/26/2025, 2:54:24 PM
S250003-34-00
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT CAITLIN W. STEVENSON 36396 REN. 5-31-27 STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

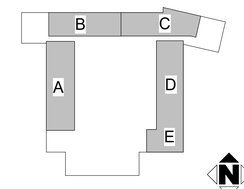
UCDAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
SACRAMENTO, CALIFORNIA 95817
(916)734-7934

TAYLOR design

REV	REVISION DESCRIPTION	DATE
BC1	OSHPD BACKCHECK 1	03/28/2025

CONST. DOCUMENTS

KEYPLAN

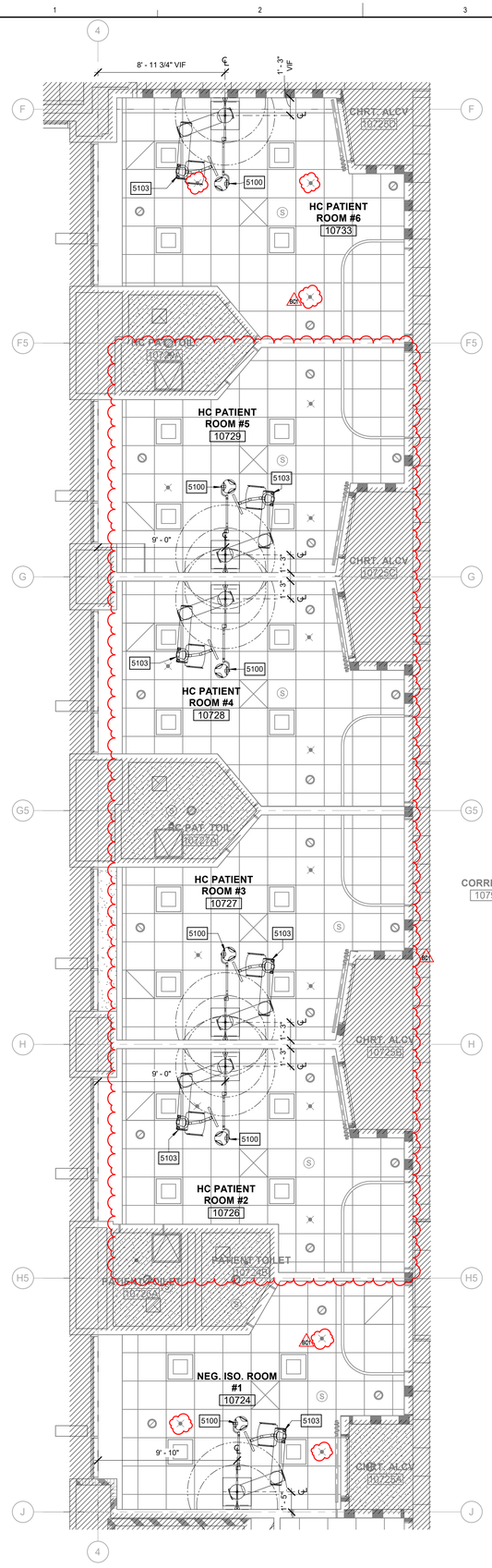


UCDH PROJECT NO.: 9557750
HCAI - OSHPD NO.: S250003-34-00
BUILDING: BLDG-01445
FLOOR LVL/NG: 10TH FLOOR
PROJECT TITLE: DT10 PICU CEILING TILE & BOOM REPLACEMENT
SHEET TITLE: LEVEL 10 OVERALL REFLECTED CEILING PLAN

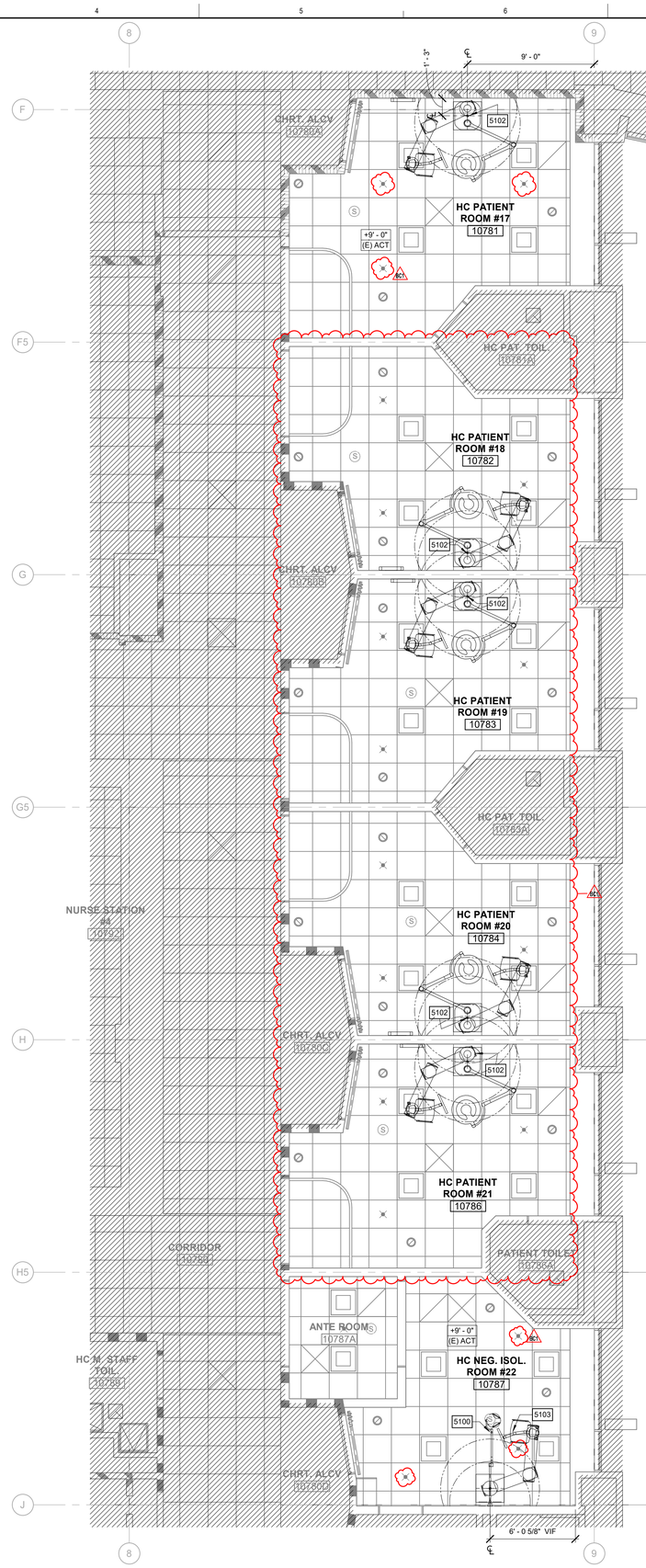
ARCH./ENGR.	FD&C JOB NO.	SHEET NO.
ARCH	9557750 - L010335	A-161
UCDMC PROJ. MANAGER	SCALE	
SEJAL SHARMA	As indicated	
DESIGNED BY	DATE	
J. HOFFMAN	03/28/25	
DRAWN BY	CAD FILE	SHEET / OF
A. VILLAFANE	-	

FILE NAME: Autodesk Docs://8382-UCD-UCDMC PICU Boom/8382-UCD-UCDMC PICU Boom.rvt

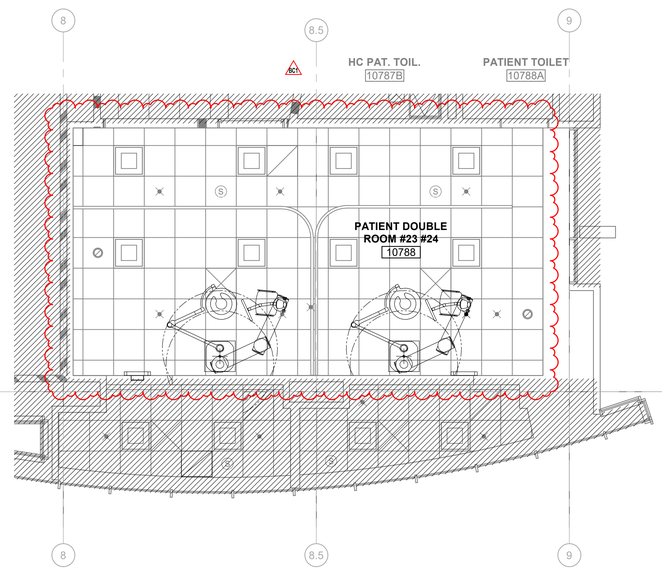
3/28/2025 1:28:12 AM TAYLOR & ASSOCIATES ARCHITECTS IF THIS DRAWING IS NOT 30"x42" IT HAS BEEN MODIFIED



A1 LEVEL 10 REFLECTED CEILING PLAN - SEGMENT A
1/4" = 1'-0"



A4 LEVEL 10 REFLECTED CEILING PLAN - SEGMENT D
1/4" = 1'-0"



A7 LEVEL 10 REFLECTED CEILING PLAN - SEGMENT E
1/4" = 1'-0"

CEILING NOTES

1. REFER TO GENERAL NOTES ON SHEETS G-011, G-012, & A-001.
2. ALL EXISTING CEILING-MOUNTED DEVICES ARE TO REMAIN. REMOVE AND REINSTALL AS NECESSARY FOR ABOVE CEILING WORK TO OCCUR AND/OR FOR ACOUSTIC CEILING TILE REPLACEMENT.
3. COORDINATE THE REMOVAL & REINSTALLATION OF ALL CEILING-MOUNTED IT DEVICES (WAP, TELEMETRY, ETC) WHERE OCCURS WITH UCDH IT TEAM PRIOR TO REMOVAL.
4. CEILING HEIGHT DIMENSIONS ARE FROM FINISH FLOOR SLAB TO FINISH FACE OF CEILING, U.N.O.
5. ALL DIMENSIONS ARE TO THE CENTERLINE OF LIGHT FIXTURE, FIRE SPRINKLER HEAD, ACCESS PANEL, SUPPLY AND RETURN AND OTHER CEILING MOUNTED ELEMENTS MEASURED FROM FACE OF WALL, SOFFIT OR CURTAIN WALL.
6. REFER TO FINISH LEGEND FOR ADDITIONAL CEILING FINISH INFORMATION.
7. NOTE: THERE IS NO FIRE ALARM SCOPE OF WORK ASSOCIATED WITH THIS PROJECT. THE INTENT IS THAT THE FIRE ALARM SYSTEM WILL REMAIN ACTIVE WITH NO DEVICES REMOVED. EXISTING SMOKE DETECTORS WITHIN THE AREA OF CONSTRUCTION WILL BE TEMPORARILY CAPPED FOR THE DURATION OF EACH PHASE OF CONSTRUCTION. SHOULD THE NEED ARISE FOR REMOVAL/REPLACEMENT OF ANY FIRE ALARM DEVICE(S), ADDITIONAL TESTING AND TIO REQUIREMENTS WILL BE REQUIRED. SUCH WORK IS TO BE COORDINATED/COMMUNICATED TO AOR, IOR, AND OSHPD FIELD FLSO IN ADVANCE OF THE WORK.

ACT1

CEILING LEGEND

SYMBOL	DESCRIPTION
MECHANICAL EQUIPMENT	NOTE: REFER TO MECHANICAL DRAWINGS
	(E) SUPPLY, RETURN AND EXHAUST REGISTERS TO REMAIN
	REINSTALL (E) SUPPLY, RETURN AND EXHAUST AIR REGISTERS
	ACCESS PANEL
	NOT IN SCOPE. NOTE: HATCH IS DIAGRAMMATIC IN NATURE AND IS TO BE COMPARED TO THE SET IN ITS ENTIRETY FOR A COMPREHENSIVE UNDERSTANDING OF THE SCOPE.

KEYNOTE LEGEND

KEY	KEYNOTE TEXT
5100	STERIS WALL-MOUNTED EXAM LIGHT
5102	STERIS CEILING-MOUNTED TANDEM MEDICAL GAS EQUIPMENT BOOM WITH SURGICAL LIGHT
5103	STERIS CEILING-MOUNTED MEDICAL GAS EQUIPMENT BOOM

ACT1

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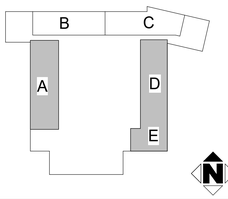
(916)734-7934

TAYLOR design

REV	REVISION DESCRIPTION	DATE
BC1	OSHPD BACKCHECK 1	03/28/2025

CONST. DOCUMENTS

KEYPLAN



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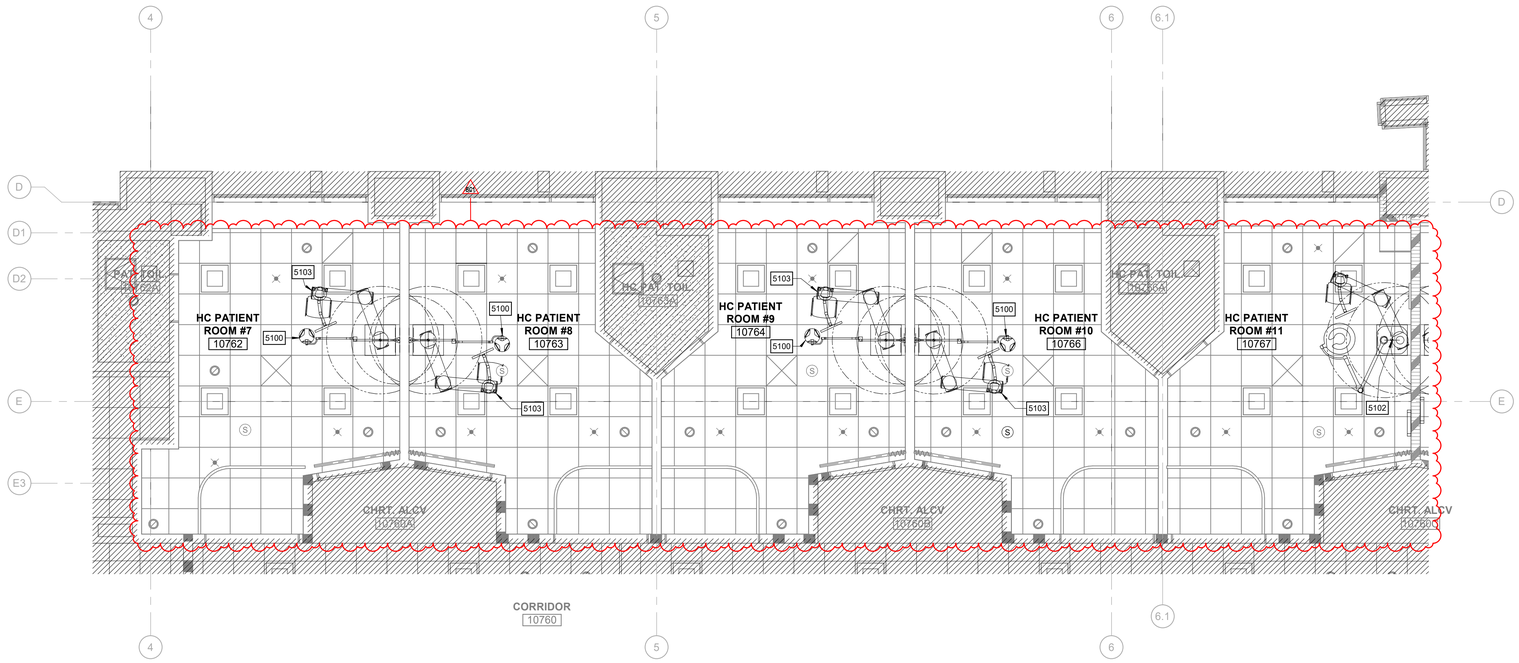
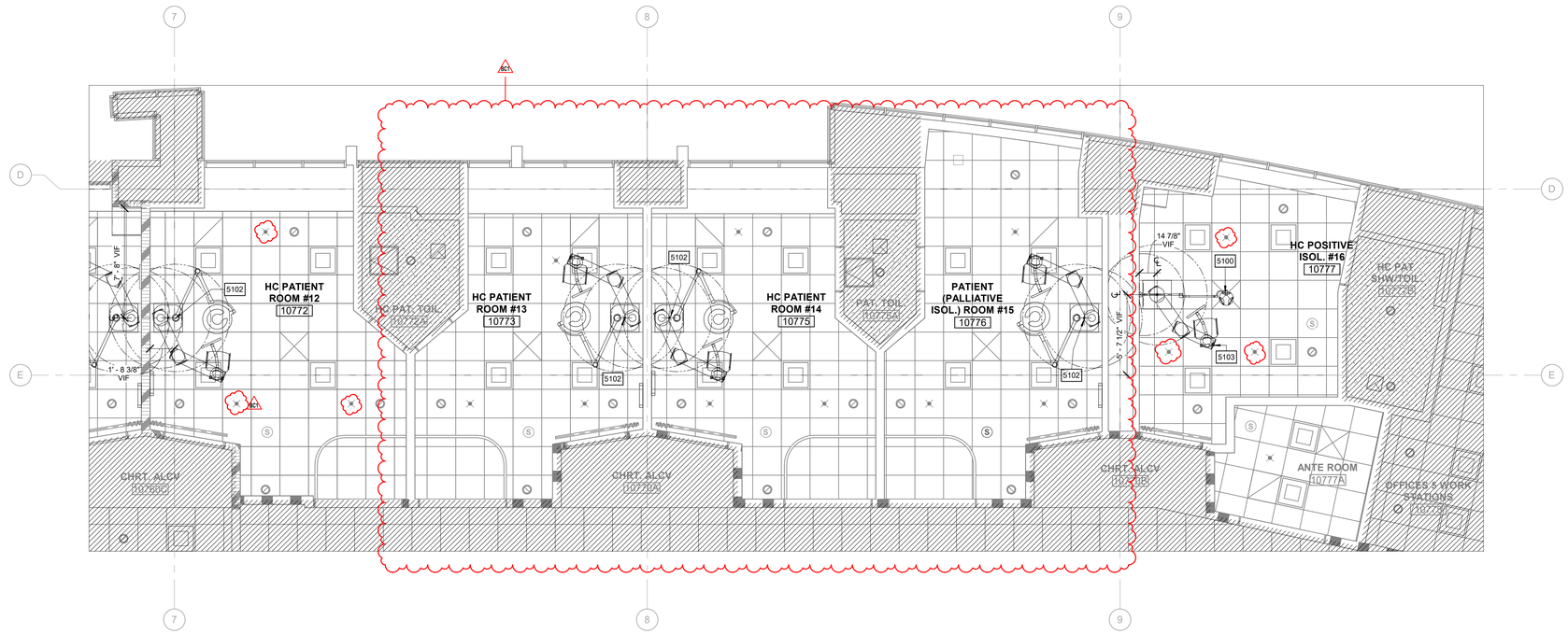


E1 LEVEL 10 REFLECTED CEILING PLAN - SEGMENT B

1/4" = 1'-0"



A1 LEVEL 10 REFLECTED CEILING PLAN - SEGMENT C

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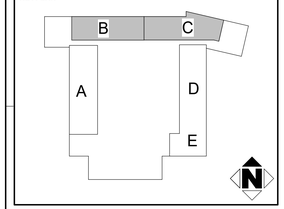

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A. VILLAFANE	-	

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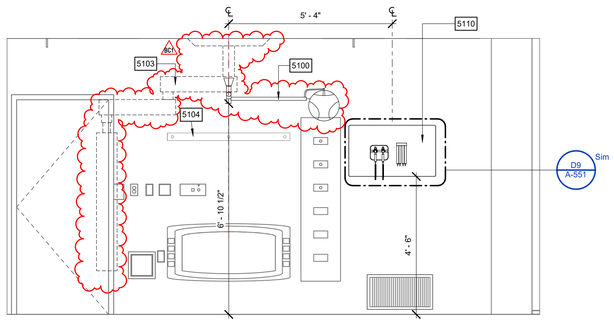
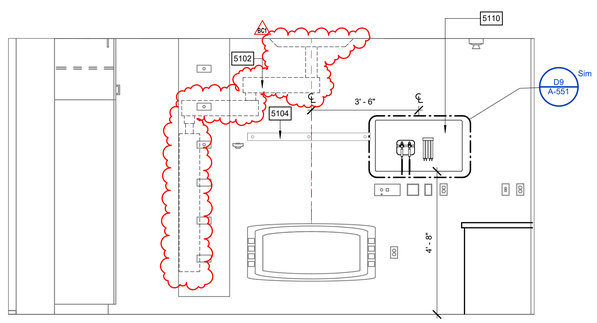
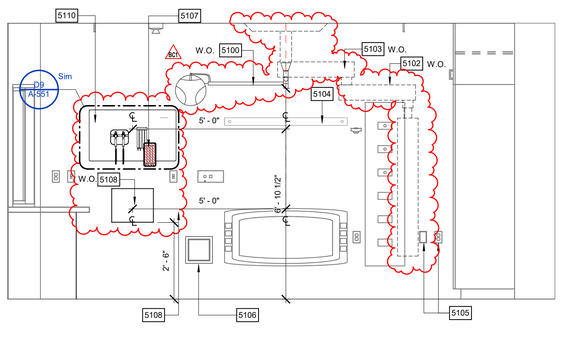
5102	STERIS CEILING-MOUNTED TANDEM MEDICAL GAS EQUIPMENT BOOM WITH SURGICAL LIGHT
5103	STERIS CEILING-MOUNTED MEDICAL GAS EQUIPMENT BOOM
5104	(E) 1"X4" ACRYLIC SIGN STRIP TO REMAIN. REMOVE AND REPLACE AS NECESSARY FOR NEW WORK TO OCCUR.
5105	(E) POWER RECEPTACLE TO REMAIN - OCCURS AT ROOM #7 (10762) ONLY
5106	(E) DIALYSIS BOX TO REMAIN - OCCURS AT ROOM #6 (10733), #7 (10762), #10 (10762), & #17 (10781)
5107	(E) OTO TIPS - OCCURS IN ROOM #21(10786) ONLY. REMOVE PRIOR TO THE INSTALLATION OF DIAGNOSTIC BOARD
5108	STERIS INTEGRATED WALL CONTROLLER (IWC) FOR SURGICAL LIGHT BOOM.
5110	WALL-MOUNTED MIDMARK DIAGNOSTIC BOARD WITH RECESSED IN-WALL BACK-BOX FOR CONCEALED POWER RECEPTACLE AND CORD STORAGE PER D9/A-551. LOCATION TO BE FIELD CONFIRMED WITH AOR AND OWNER'S REP.

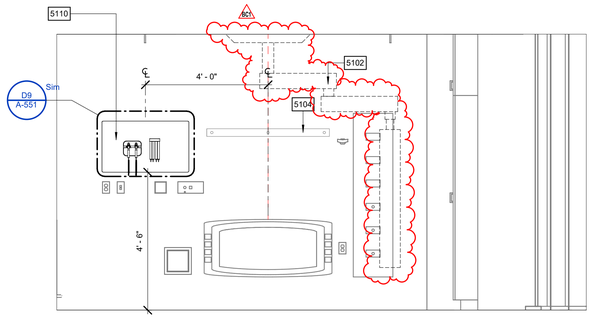




F2 NEGATIVE ISOLATION ROOM #1 (10724)
1/2" = 1'-0"



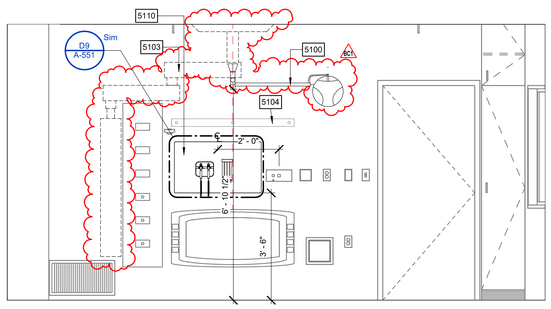
F5 HC PATIENT ROOM #11 (10767) & ROOM #12 (10772) SIM OPP
1/2" = 1'-0"



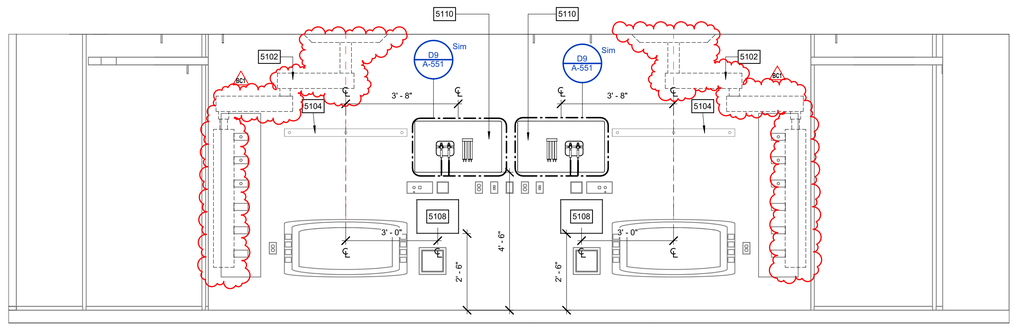
D2 TYPICAL HC PATIENT ROOM #5 (10729)
1/2" = 1'-0"

SIM
HC PATIENT ROOM #03(10727) - HC PATIENT ROOM #08(10763) - HC PATIENT ROOM #10(10766)
HC PATIENT ROOM #14(10775) - HC PATIENT ROOM #17(10781) - HC PATIENT ROOM #19(10783)
HC PATIENT ROOM #21(10786)

SIM OPP
HC PATIENT ROOM #02(10726) - HC PATIENT ROOM #04(10728) - HC PATIENT ROOM #06(10733)
HC PATIENT ROOM #09(10764) - HC PATIENT ROOM #13(10773) - HC PATIENT ROOM #15(10776)
HC PATIENT ROOM #18(10782) - HC PATIENT ROOM #20(10784)



D5 PATIENT ROOM #16 (10777)
1/2" = 1'-0"



2B HC PATIENT ISOLATION ROOM #22 (10787)
1/2" = 1'-0"

4B DOUBLE PATIENT ROOM #23 & #24 (10788)
1/2" = 1'-0"

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APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
6/26/2025, 2:54:24 PM
S250003-34-00
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

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(916)734-7934

TAYLOR design

REV	REVISION DESCRIPTION	DATE
BC1	OSHPD BACKCHECK 1	03/28/2025

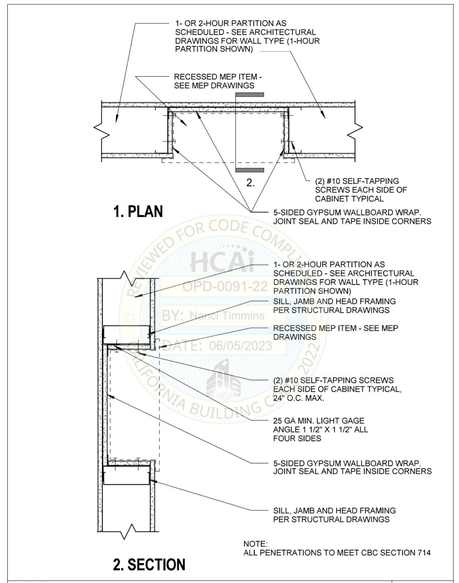
CONST. DOCUMENTS

UCDH PROJECT NO: 9557750
HCAI - OSHPD NO: S250003-34-00
BUILDING: BLDG-01445
FLOOR / WING: 10TH FLOOR
PROJECT TITLE: DT10 PICU CEILING TILE & BOOM REPLACEMENT
SHEET TITLE: INTERIOR ELEVATIONS

ARCH / ENGR. ARCH	FD&C JOB NO. 9557750 - L010335	SHEET NO. A-481
UCDMC PROJ. MANAGER SEJAL SHARMA	SCALE 1/2" = 1'-0"	
DESIGNED BY J. HOFFMAN	DATE 03/28/25	
DRAWN BY Y. RASAI	CAD FILE -	SHEET / OF

FILE NAME: Autodesk Docs://6382-UCD-UCDMC PICU Boom/6382-UCD-UCDMC PICU Boom.rvt

3/29/2025 1:28:18 AM TAYLOR & ASSOCIATES ARCHITECTS. IF THIS DRAWING IS NOT 30"x42" IT HAS BEEN MODIFIED

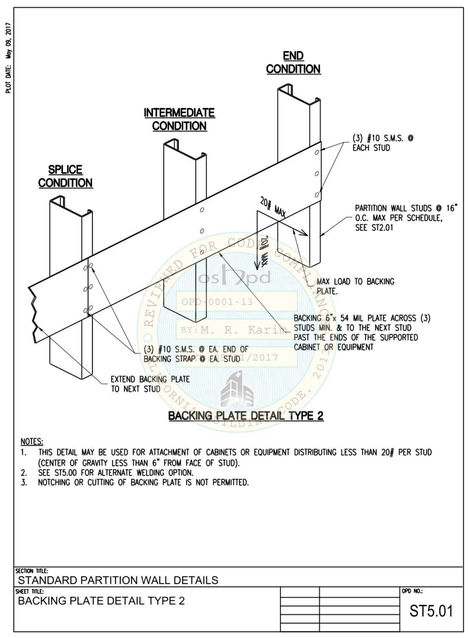


REVIEWED FOR CODE COMPLIANCE HCAI OPD-0091-22 BY: Nanci Timmins DATE: 06/05/2023 CALIFORNIA BUILDING CODE, 2019

Section Title :	FIRE-RESISTIVE STANDARD DETAILS
Sheet Title :	1-HR. "5-SIDED BOX" @ RECESSED M.E.P. CABINETS
OPD No:	FR3.01

D6 1-HR. "5-SIDED BOX" @ RECESSED DEVICES

12" = 1'-0"

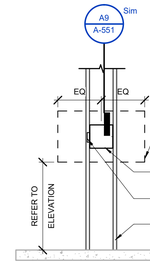


OSHPD REVIEWED FOR CODE COMPLIANCE OPD-0001-13 BY: M. R. Karim 05/11/2017 2016 CALIFORNIA BUILDING CODE

SECTION TITLE:	STANDARD PARTITION WALL DETAILS
SHEET TITLE:	BACKING PLATE DETAIL TYPE 2
OPD NO.:	ST5.01

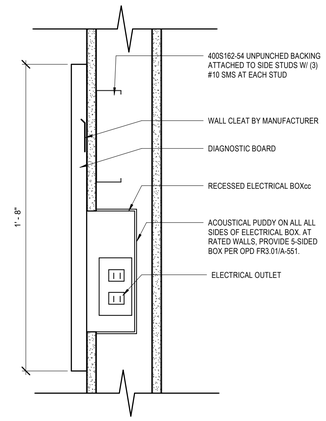
A6 BACKING PLATE DETAIL TYPE 2

12" = 1'-0"



D9 RECESSED BOX ELEVATION DETAIL

1/2" = 1'-0"



A9 RECESSED ELECTRICAL BOX DETAIL

3" = 1'-0"

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Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
6/26/2025, 2:54:24 PM
S250003-34-00
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ARCHITECT CAITLIN W. STEVENSON 36306 REN. 5-31-25 STATE OF CALIFORNIA

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TAYLOR design

REV	REVISION DESCRIPTION	DATE
BC1	OSHPD BACKCHECK 1	03/28/2025

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ARCH.\ENGR.: ARCH	FD&C JOB NO.: 9557750 - L010335	SHEET NO.: A-551
UCDMC PROJ. MANAGER: SEJAL SHARMA	SCALE: As indicated	
DESIGNED BY: Designer	DATE: 03/28/25	
DRAWN BY: Author	CAD FILE: -	SHEET / OF

FILE NAME: Autodesk Docs://8382-UCD-UCDMC PICU Boom/8382-UCD-UCDMC PICU Boom.rvt

3/19/2025 8:26:51 AM TAYLOR & ASSOCIATES ARCHITECTS IF THIS DRAWING IS NOT 30"x42" IT HAS BEEN MODIFIED

STRUCTURAL ABBREVIATIONS:
(FOR REFERENCE, NOT ALL ARE APPLICABLE)

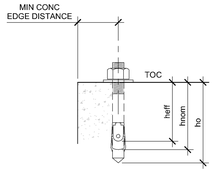
@	AT	JST	JOIST
L	ANGLE	JT	JOINT
AB	ANCHOR BOLT	KSI	KIPS PER SQUARE INCH
ABV	ABOVE	LBS	POUNDS
AC	ASPHALTIC CONCRETE	LL	LIVE LOAD
ACI	AMERICAN CONCRETE INSTITUTE	LLH	LONG LEG HORIZONTAL
ADDNL	ADDITIONAL	LLV	LONG LEG VERTICAL
ADJ	ADJACENT	LGTH	LENGTH
AFF	ABOVE FINISH FLOOR	LONG	LONGITUDINAL
AGG	AGGREGATE	LS	LAG SCREW
AISC	AMERICAN INSTITUTE FOR STEEL CONSTRUCTION	LSL	LAMINATED STRAND LUMBER
		LT WT	LIGHT WEIGHT
AISI	AMERICAN IRON & STEEL INSTITUTE	LVL	LAMINATED VENEER LUMBER
ALT	ALTERNATE	LWC	LIGHT WEIGHT CONCRETE
ALUM	ALUMINUM	MAX	MAXIMUM
APA	THE ENGINEERED WOOD ASSOCIATION	MB	MACHINE BOLT
APPROX	APPROXIMATE	MCJ	MASONRY CONTROL JOINT
ARCH	ARCHITECT / ARCHITECTURAL	MDT	MASONRY DOWEL JOINT
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS	MECH	MECHANICAL
ASD	ALLOWABLE STRESS DESIGN	MEP	MECHANICAL, ELECTRICAL, PLUMBING
ASTM	AMERICAN SOCIETY FOR TESTING & MATERIALS	MEZZ	MEZZANINE
ATR	ALL-THREAD ROD	MFR	MANUFACTURER
AWS	AMERICAN WELDING SOCIETY	MIN	MINIMUM
BEV	BEVELED	MISC	MISCELLANEOUS
BLDG	BUILDING	MKJ	MASONRY KEY JOINT
BLK	BLOCK	mm	MILLIMETER
BLKG	BLOCKING	MRD	METAL ROOF DECK
BLW	BELOW	MRJ	MASONRY RAKE JOINT
BM	BEAM	MTL	METAL
BN	BOUNDARY NAILING / BOUNDARY FASTENING	(N)	NEW
		N / A	NOT APPLICABLE
BOC	BOTTOM OF CONCRETE	NDS	NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION
BOF	BOTTOM OF FOOTING		
BOS	BOTTOM OF STEEL	NIC	NOT IN CONTRACT
BOTT	BOTTOM	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
BRBF	BUCKLING - RESTRAINED BRACED FRAME		
BRCG	BRACING	NO. (#)	NUMBER OR POUNDS
BRG	BEARING	NOM	NOMINAL
BRG PL	BEARING PLATE	NS&FS	NEARSIDE & FARSIDE
BTW	BETWEEN	NSG	NON SHRINK GROUT
BYD	BEYOND	NTS	NOT TO SCALE
C	CAMBER	NWC	NORMAL WEIGHT CONCRETE
CBC	CALIFORNIA BUILDING CODE	OC	ON CENTER
CCR	CALIFORNIA CODE OF REGULATIONS	OD	OUTSIDE DIAMETER
CE	CIVIL ENGINEER	OPH	OPPOSITE HAND
CG	CENTER OF GRAVITY	OP	OPERATING
CIP	CAST-IN-PLACE	OPG	OPENING
CJ	CONSTRUCTION JOINT	OPP	OPPOSITE
CJP	COMPLETE JOINT PENETRATION	OSB	ORIENTED STRAND BOARD
CL	CENTERLINE	OSHA	OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION
CLG	CEILING		
CLR	CLEAR	OH	OPPOSITE HAND
CLSM	CONTROLLED LOW-STRENGTH MATERIAL	OVSH	OVERSIZED HOLE
CMU	CONCRETE MASONRY UNIT	OWSJ	OPEN WEB STEEL JOIST
COL	COLUMN	PAF	POWDER / POWER-ACTUATED FASTENER
CONC	CONCRETE		
CONN	CONNECTION	PC	PIPE COLUMN
CONSTR	CONSTRUCTION	PCC	PRECAST CONCRETE
CONT	CONTINUOUS	PCF	POUNDS PER CUBIC FOOT
COORD	COORDINATE / COORDINATION	PEMB	PRE-ENGINEERED METAL BUILDING
CRC	COLD-ROLLED CHANNEL		
CRS	COLD-ROLLED STEEL	PERP	PERPENDICULAR
CTR	CENTER	PJP	PARTIAL JOINT PENETRATION
CTRD	CENTERED	PL	PLATE
CTSK	COUNTERSINK / COUNTERSUNK	PLF	PER LINEAR FOOT
DBL	DOUBLE	PLWD	PLYWOOD
DEG	DEGREE	PN	PERIMETER NAILING / PERIMETER FASTENING
DEMO	DEMOLITION		
DEPRESSED	DEPRESSED	PSF	POUNDS PER SQUARE FOOT
DF	DOUGLAS FIR	PSI	POUNDS PER SQUARE INCH
DIA (Ø)	DIAMETER	PSL	PARALLEL STRAND LUMBER
DIAG	DIAGONAL	PT	POINT
DIM	DIMENSION	PTDF	PRESSURE TREATED DOUG FIR
DJ	DOWELED JOINT	PV	PHOTOVOLTAIC
DL	DEAD LOAD	PVC	POLYVINYL CHLORIDE
DLT	DEEP LEG TRACK	R	RADIUS
DN	DOWN	REINF	REINFORCING / REINFORCEMENT
DO	DUPLICATE ORDER	REQ	REQUIRED
DSA	DIVISION OF THE STATE ARCHITECT	RHWS	ROUND HEAD WOOD SCREW
DTL	DETAIL	RJ	ROOF JOIST
DWG	DRAWING	RR	ROOF RAFTER
(E)	EXISTING CONDITION	RSB	RECESSED STUD BOLT
EA	EACH	SAD	SEE ARCHITECTURAL DRAWINGS
EB	EXPANSION BOLT	SC	SLIP-CRITICAL
EF	EACH END	SCBF	SPECIAL CONCENTRIC BRACED FRAME
EF	EACH FACE		
EJ	EXPANSION JOINT	SCHED	SCHEDULE
ELEV	ELEVATION	SCJ	SHRINKAGE CONTROL JOINT
EMBED	EMBEDMENT	SDPWS	SPECIAL DESIGN PROVISIONS FOR WIND & SEISMIC
EN	EDGE NAILING / EDGE FASTENING		
EOR	ENGINEER OF RECORD	SDST	SELF-DRILLING SELF-TAPPING
EOS	EDGE OF SLAB	SE	STRUCTURAL ENGINEER
EQ (=)	EQUAL	SEIS JT	SEISMIC JOINT
EQUIP	EQUIPMENT	SEOR	STRUCTURAL ENGINEER OF RECORD
ES	EACH SIDE		
EW	EACH WAY	SHRWL	SHEARWALL
EXTR	EXTERIOR	SHT	SHEET
f ' c	MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF CONCRETE	SHTHG	SHEATHING
		SIM	SIMILAR
f ' m	MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF MASONRY	SJ	SHRINKAGE JOINT
		SFRS	SEISMIC FORCE RESISTING SYSTEM
FAB	FABRICATE		
FBC	FLAT BAR COLLECTOR	SM	SHEET METAL
FD	FLOOR DRAIN	SMRF	SPECIAL MOMENT RESISTING FRAME
FF	FINISH FLOOR		
FFE	FINISH FLOOR ELEVATION	SMS	SHEET METAL SCREWS
FG	FINISH GRADE	SOG	SLAB ON GRADE
FHWS	FLAT HEAD WOOD SCREW	SP	STRUCTURAL PANEL
FIN	FINISH	SPCG	SPACING
FJ	FLOOR JOIST	SPEC	SPECIFICATION
FLG	FLANGE	SQ	SQUARE
FLR	FLOOR	SS	STAINLESS STEEL
FN	FIELD NAILING / FIELD FASTENING	STAG	STAGGER
FND	FOUNDATION	STD	STANDARD
FOC	FACE OF CONCRETE	STIFF	STIFFENER
FOM	FACE OF MASONRY	STL	STEEL
FOS	FACE OF STUD	STRUC	STRUCTURAL
FRMG	FRAMING	SYM	SYMMETRICAL
FRP	FIBER REINFORCED POLYMER	T24	TITLE 24 CALIFORNIA CODE
FT (')	FOOT / FEET	tf	FLANGE THICKNESS
FTG	FOOTING	THK	THICK / THICKNESS
Fy	SPECIFIED YIELD STRENGTH OF REINFORCING, PSI OR SPECIFIED MINIMUM YIELD STRESS OF STEEL, KSI	THRD	THREAD OR THREADED
		TN	TOE NAIL
		T.O.	TOP OF
GA	GAUGE	TOC	TOP OF CONCRETE
GALV	GALVANIZED	TOF	TOP OF FOOTING / TOP OF FRAMING
GL	GLUE LAMINATED LUMBER		
GRD	GRADE	TOS	TOP OF STEEL
GT	GROUT	TOW	TOP OF WALL
GWB	GYPSUM WALLBOARD	TRAN	TRANSVERSE
HAS	HEADED ANCHOR STUD	TS	(SEE HSS)
HCAI	DEPARTMENT OF HEALTH CARE ACCESS & INFORMATION	TYP	TYPICAL
		T&B	TOP & BOTTOM
HD	HOLDOWN	T&G	TONGUE & GROOVE
HDG	HOT-DIPPED GALVANIZED	UBC	UNIFORM BUILDING CODE
HDR	HEADER	UNO	UNLESS NOTED OTHERWISE
HK	HOOK	URM	UNREINFORCED MASONRY
HORIZ	HORIZONTAL	VERT	VERTICAL
HSB	HIGH-STRENGTH BOLT	VIF	VERIFY IN FIELD
HSS	HOLLOW STRUCTURAL SECTION	W/	WITH
HT	HEIGHT	W/O	WITHOUT
IBC	INTERNATIONAL BUILDING CODE	WDW	WINDOW
ICC	INTERNATIONAL CODE COUNCIL	WF	WIDE FLANGE
ID	INSIDE DIAMETER	WP	WORK POINT
IJ	ISOLATION JOINT	WPS	WELDING PROCEDURE SPECIFICATION
IN (")	INCH		
INFO	INTERIOR	WRT	WITH RESPECT TO
INTR	INFORMATION	WS	WOOD SCREW
		WT	WEIGHT / STRUCTURAL TEE
		WWF	WELDED WIRE FABRIC

POWDER-ACTUATED / POWER-DRIVEN FASTENERS IN CONCRETE:

1. ALL POWDER-ACTUATED / POWER-DRIVEN FASTENERS SHALL HAVE AN APPROVED ICC REPORT SUCH AS HILTI X-U PINS PER ESR-2269 AND DEWALT CSI SPIRAL PINS PER ESR-2024 AS SPECIFIED ON THESE PLANS.
2. FASTENERS SHALL NOT BE INSTALLED UNTIL THE CONCRETE HAS REACHED ITS DESIGNATED COMPRESSIVE STRENGTH.
3. THE MINIMUM DISTANCE FROM THE EDGE OF CONCRETE SLAB TO CENTER OF FASTENER IS 3 INCHES. THE MINIMUM CENTER TO CENTER SPACING OF FASTENERS IS 4 INCHES.
4. FASTENERS SHALL BE INSTALLED, BY A PRE-QUALIFIED OPERATOR, ACCORDING TO THE ICC REPORT. POWDER-ACTUATED / POWER-DRIVEN FASTENERS USED IN TENSION SHALL BE FIELD TESTED FOR 200 LBS IN TENSION. RANDOM TESTS UNDER THE PROJECT INSPECTOR'S SUPERVISION SHALL BE MADE OF APPROXIMATELY 1 IN 10 FASTENERS. SHOULD FAILURE OCCUR ON ANY FASTENER TESTED, ALL FASTENERS NOT PREVIOUSLY TESTED SHALL BE TESTED UNTIL 20 CONSECUTIVE INSTALLATIONS PASS.
5. WHEN INSTALLING POWDER-ACTUATED / POWER-DRIVEN FASTENERS IN EXISTING NON-PRE-STRESSED REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. WHEN INSTALLING THEM INTO EXISTING PRE-STRESSED CONCRETE (PRE- OR POST-TENSIONED), LOCATE THE PRE-STRESSED TENDONS BY USING A NON-DESTRUCTIVE METHOD PRIOR TO INSTALLATION. EXERCISE EXTREME CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE TENDONS OR TENDON ANCHORS DURING INSTALLATION. MAINTAIN A MINIMUM CLEARANCE OF ONE INCH BETWEEN THE REINFORCEMENT / TENDON OR TENDON ANCHORS AND THE FASTENER.

POST-INSTALLED ANCHORS:

1. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE RECOMMENDATIONS GIVEN IN THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII) AND THE RESPECTIVE ICC OR IAPMO REPORT:
   A. CONCRETE ANCHORS:
      HILTI KWIK-BOLT TZ2 EXPANSION ANCHORS ESR-4266
2. SPECIAL INSPECTION IS REQUIRED FOR ALL MECHANICAL AND ADHESIVE ANCHORS PER CBC SECTION 1705A.3 AND THE REPORTS NOTED ABOVE, UNLESS NOTED OTHERWISE. SEE ANCHOR SCHEDULE(S) AND DETAILS FOR EMBEDMENT AND LOAD OR TORQUE VALUES, IN ACCORDANCE WITH CBC SECTION 1910A.5.4. TESTING OF UNDERCUT ANCHORS THAT ALLOW VISUAL CONFIRMATION OF FULL SET IS NOT REQUIRED.
3. TEST EACH ANCHOR OF DIFFERENT DIAMETER AND EMBEDMENT DEPTH FOR EACH TYPE AND STRENGTH OF CONCRETE PER CBC SECTION 1910A.5.3 AS FOLLOWS:
   A. ANCHORS USED FOR SILL PLATE BOLTING SHALL HAVE 10 PERCENT OF THE ANCHORS TENSION TESTED.
   B. ANCHORS USED FOR OTHER STRUCTURAL APPLICATIONS SHALL HAVE 100 PERCENT OF THE ANCHORS TENSION TESTED.
   C. ANCHORS USED FOR NON-STRUCTURAL APPLICATIONS SUCH AS EQUIPMENT ANCHORAGE SHALL HAVE 50 PERCENT OR ALTERNATE BOLTS IN A GROUP INCLUDING AT LEAST ONE-HALF THE ANCHORS IN EACH GROUP TENSION TESTED.
4. FAILURE CRITERIA FOR ACCEPTANCE CRITERIA. THE FOLLOWING APPLY FOR THE ACCEPTANCE OF INSTALLED ANCHORS PER CBC SECTION 1910A.5.5:
   A. HYDRAULIC RAM METHOD: THE ANCHOR MUST MAINTAIN THE TEST LOAD FOR 15 SECONDS AND NOT EXHIBIT OBSERVABLE MOVEMENT AT THE APPLICABLE TEST LOAD. FOR WEDGE AND SLEEVE TYPE ANCHORS, A PRACTICAL WAY TO DETERMINE OBSERVABLE MOVEMENT IS THAT THE WASHER UNDER THE NUT BECOMES LOOSE. DROP-IN ANCHORS ARE ONLY TO BE TESTED WITH THIS METHOD. FOR ADHESIVE ANCHORS, WHERE OTHER THAN BOND IS BEING TESTED, THE TESTING DEVICE SHALL NOT RESTRICT THE CONCRETE SHEAR CONE TYPE FAILURE MECHANISM FROM OCCURRING.
   B. TORQUE WRENCH METHOD: THE APPLICABLE TEST TORQUE FOR WEDGE OR SLEEVE-TYPE ANCHORS MUST BE REACHED WITHIN THE FOLLOWING LIMITS, ONE-HALF (1/2) TURN OF THE NUT; ONE QUARTER (1/4) TURN OF THE NUT FOR THE 3/8" SLEEVE ANCHOR ONLY. SCREW-TYPE ANCHORS MUST REACH THE APPLICABLE TEST TORQUE WITHIN ONE QUARTER (1/4) TURN OF THE SCREW AFTER INITIAL SEATING OF THE SCREW HEAD.
   C. PER CBC SECTION 1910A.5.1 IF ANCHOR FAILS TESTING, ALL ANCHORS OF THE SAME CATEGORY, NOT PREVIOUSLY TESTED, SHALL BE TESTED UNTIL 20 CONSECUTIVE ANCHORS PASS THE TEST REQUIREMENTS THEN INITIAL TESTING FREQUENCY SHALL THEN BE RESUMED.
6. WHEN INSTALLING DRILLED-IN ANCHORS IN EXISTING NON-PRESTRESSED REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING EXISTING REINFORCING BARS.
7. THE TESTING OF THE ANCHORS SHALL BE DONE BY THE TESTING LABORATORY IN THE PRESENCE OF THE SPECIAL INSPECTOR AND A REPORT OF THE TEST RESULTS SHALL BE SUBMITTED TO THE GOVERNING AGENCY AND ARCHITECT / STRUCTURAL ENGINEER. TESTING SHALL OCCUR AT MINIMUM OF 24 HOURS AFTER THE INSTALLATION OF THE ANCHORS.
8. APPLY TENSION TEST LOADS TO EXPANSION OR ADHESIVE ANCHORS WITHOUT REMOVING THE NUT IF POSSIBLE. IF NOT POSSIBLE, REPLACE THE NUT WITH A THREADED COUPLER OF THE SAME DIAMETER AND TORQUE TO THE SAME LEVEL AS THE ORIGINAL NUT AND APPLY TEST LOAD.
9. REACTION LOADS FROM TEST FIXTURES SHALL NOT BE APPLIED CLOSE TO THE ANCHOR BEING TESTED.
10. TEST EQUIPMENT IS TO BE CALIBRATED BY AN APPROVED TESTING LABORATORY IN ACCORDANCE WITH STANDARD RECOGNIZED PROCEDURES.
11. ANCHORS INSTALLED IN THE SOFFIT OF STEEL DECK WITH CONCRETE FILL SHALL BE INSTALLED IN THE CENTER OF THE LOW FLUTE OF THE DECKING. THE DECKING SHALL HAVE A MINIMUM THICKNESS OF 20 GAUGE.



HILTI KB-TZ2
EXPANSION ANCHORS

HILTI KB-TZ2 EXPANSION ANCHORS (ICC-ES ESR-4266)

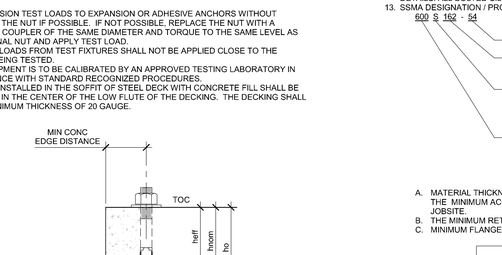
DRAWING I.D.	ANCHOR DIA (INCH)	INSTALLATION EMBED (INCH) hnom	EFFECTIVE EMBED (INCH) hef	HOLE DEPTH (INCH) ho	MIN CONC THICKNESS (INCH) h	MIN CONC EDGE DISTANCE (INCH)	INSTALLATION TORQUE (FT-LBS) CARBON STEEL	INSTALLATION TORQUE (FT-LBS) STAINLESS STEEL
3/8" Ø X 2E	3/8	2 1/2	2	2 3/4	4	6	30	30
1/2" Ø X 2E	1/2	2 1/2	2	2 3/4	4	6	50	40

SHEET METAL SCREW REQUIREMENTS:

1. ALL FASTENERS SUPPLIED TO THE PROJECT SHALL BE REVIEWED BY THE STRUCTURAL ENGINEER PRIOR TO USE. THIS REVIEW DOES NOT CONSTITUTE AN APPROVAL. IT IS PROVIDED FOR COMPLIANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.
2. PROVIDE AN INTERNATIONAL CODE COUNCIL (ICC) EVALUATION REPORT FOR ALL TYPES AND BRANDS OF FASTENERS USED.
3. SUBSTITUTIONS FOR SPECIFIC FASTENERS IDENTIFIED WITHIN THESE PLANS MAY BE MADE PROVIDED THAT THE SUBSTITUTION IS COMPLIANT WITH NOTES 1 & 2, AND FOUND TO BE ACCEPTABLE FOR USE BY HCAI. EACH REQUEST SHALL BE WRITTEN FORM IDENTIFYING THE ITEM BEING SUBSTITUTED FOR, THE SUBSTITUTION ITEM WITH BRAND NAME, PART NUMBER, AND INTERNATIONAL CODE COUNCIL (ICC) REPORT. THE AFFECTED PLANS, DETAILS AND SECTIONS SHALL ALSO BE IDENTIFIED. SEE GENERAL NOTES FOR ADDITIONAL SUBSTITUTION REQUIREMENTS.
4. FASTENERS SHOWN TO PROJECT THROUGH MAIN FRAMING MEMBERS SHALL PROJECT BEYOND THE MEMBER BY 3 FULL THREADS.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SELECTING THE PROPER FASTENER FEATURES UNLESS NOTED:
   A. WAFER HEAD FASTENERS SHALL BE USED AT FRAMING CONNECTIONS COVERED WITH PLYWOOD, GYPSUM BOARD OR OTHER MATERIAL THAT MAY BE IMPEDED BY THE PROJECTION OF THE FASTENER HEAD.
   B. HEX WASHER HEAD FASTENERS SHALL BE USED AT ALL OTHER CONDITIONS.
   C. THREAD PITCH SHALL BE COMPATIBLE WITH THE THICKNESS OF THE PARTS BEING CONNECTED. THINNER GAUGE PARTS REQUIRE COARSER THREADS COMPARED TO THICKER GAUGE PARTS.
   D. THE FASTENER SHALL BE OF SUFFICIENT LENGTH IN ORDER TO COMPLY WITH NOTE 4 ABOVE.
   E. SELECT THE PROPER PROPRIETARY SELF-DRILLING TIP TYPE THAT IS CAPABLE OF TAPPING THE MATERIALS BEING CONNECTED.
6. ALL SCREWS SHALL BE MANUFACTURED BY GRABBER CONSTRUCTION PRODUCTS UNLESS PROVIDING AN EQUIVALENT SUBSTITUTION IN ACCORDANCE WITH NOTE 3 ABOVE.
7. FRAMING SCREWS SHALL BE #8 X 5/8" (16 mm) WAFER HEAD SELF-DRILLING, UNO.

COLD-FORMED STEEL FRAMING:

1. ALL COLD-FORMED STEEL MEMBER NOMENCLATURE AND PROPERTIES SHALL BE PER ICC-ES EVALUATION REPORT ESR-3064P AND PRODUCT TECHNICAL INFORMATION CATALOGS OF THE STEEL STUD MANUFACTURER'S ASSOCIATION.
2. ALL MATERIAL AND WORKMANSHIP SHALL CONFORM WITH THE LATEST EDITION OF THE AISC "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS".
3. STEEL STUDS, TRACK AND ALL MANUFACTURED MISCELLANEOUS ITEMS FOR STUD CONSTRUCTION SHALL BE MANUFACTURED BY A MEMBER COMPANY OF THE STEEL STUD MANUFACTURER'S ASSOCIATION. STUDS OF OTHER MAKE MAY BE SUBSTITUTED WITH WRITTEN APPROVAL BY STRUCTURAL ENGINEER.
4. ALL COLD-FORMED STUDS, TRACK, BRIDGING AND ACCESSORIES SHALL BE G60 HOT-DIP GALVANIZED AND SHALL MEET THE REQUIREMENTS OF ASTM A653, STRUCTURAL QUALITY, GRADE 50, CLASS 1 (Fy = 50 KSI) FOR STEELS THICKER THAN 18 GAUGE (43 MILS) AND ASTM A653, STRUCTURAL QUALITY, GRADE 33 (Fy = 33 KSI) FOR 18 GAUGE AND THINNER STEELS FOR THE ITEM AND USE INTENDED.
5. ALL MEMBERS SHALL BE CUT SQUARELY OR AS REQUIRED, FITTED AND SEATED PROPERLY TO ABUTTING MEMBERS. STUDS SHALL BE PLUMBED, ALIGNED AND SECURELY ATTACHED AT FLANGES OR WEBS OR TRACKS.
6. PROVIDE ALL ACCESSORIES INCLUDING, BUT NOT NECESSARILY LIMITED TO, TRACKS, CLIPS, WEB STIFFENERS, ANCHORS, FASTENING DEVICES, RESILIENT CLIPS, AND OTHER ACCESSORIES REQUIRED FOR A COMPLETE AND PROPER INSTALLATION, AND AS RECOMMENDED BY THE MANUFACTURER FOR THE STEEL MEMBERS USED.
7. FASTENING OF COMPONENTS SHALL BE WITH GRABBER SCREWS OR EQUIVALENT SELF-DRILLING, SELF-TAPPING SCREWS OR WELDING. SCREWS OR WELD SIZES SHALL BE SHOWN ON THE DRAWINGS. SEE SHEET METAL SCREW REQUIREMENTS FOR ADDITIONAL INFORMATION.
8. ALL WELDING SHALL BE DONE BY CERTIFIED WELDERS AND IN ACCORDANCE WITH THE LATEST EDITION OF AWS D1.3.
9. TEMPORARY BRACING SHALL BE PROVIDED AS REQUIRED UNTIL ERECTION IS COMPLETE AND SAFELY SECURED TO STRUCTURE.
10. SEE ICC-ES REPORT ESR-3064P FOR TYPICAL COLD-FORMED STEEL STUD INSTALLATION.
11. PUNCH-OUT WEB SECTIONS SHALL BE LOCATED IN THE CENTER OF WEB WITH A MINIMUM SPACING OF 24" OC AND THE NEAR EDGE OF THE PUNCH-OUT SHALL NOT BE WITHIN 10" OF THE END OR EDGE OF BEARING OF A COLD-FORMED STEEL MEMBER. COLD-FORMED STEEL MEMBERS SHALL BE UNPUNCHED WHERE USED FOR JOISTS, TRACKS, HEADERS & SILLS OF OPENINGS WIDER THAN 3' -0", AND BUILT-UP BOX AND BACK - TO - BACK SECTIONS, UNO.
12. MATERIAL THICKNESS OF TRACK SHALL MATCH STUD EXCEPT AS NOTED ON THE PLANS OR DETAILS. ALL BOLTED SILL TRACKS SHALL BE 54 MILS (0.0566") THICK, MINIMUM.
13. SSMA DESIGNATION / PRODUCT IDENTIFICATION:



FOR ALL "T" SECTIONS, MEMBER DEPTH IS THE INSIDE TO INSIDE DIMENSION BETWEEN THE FLANGES.

A. MATERIAL THICKNESS (IN MILS) REPRESENTS 95% OF THE DESIGN THICKNESS AND IS THE MINIMUM ACCEPTABLE THICKNESS OF THE BASE METAL DELIVERED TO THE JOBSITE.
B. THE MINIMUM RETURN LIP DIMENSION IS 0.375".
C. MINIMUM FLANGE WIDTH SHALL BE 1 5/8" AT STUDS & 1 1/2" AT TRACKS, UNO

STRUCTURAL SECTION PROPERTIES

SSMA DESIGNATIONS	GAUGE	Fy (KSI)	GROSS	EFFECTIVE	
			A (in²)	Sx (in³)	Ix (in⁴)
400S162-43	18	33	0.357	0.443	0.892
400S162-54	16	50	0.443	0.549	1.098
600S162-43	18	33	0.447	0.767	2.316
600S162-54	16	50	0.556	0.927	2.860
800S162-43	18	33	0.537	1.158	4.663
800S162-54	16	50	0.670	1.397	5.736
800S162-68	14	50	0.836	1.772	7.089
1000S200-54	16	50	0.839	1.705	10.769
400T150-43	18	33	0.315	0.293	0.719
400T150-54	16	50	0.396	0.399	0.960
600T150-43	18	33	0.405	0.534	1.868
600T150-54	16	50	0.509	0.714	2.464
800T150-43	18	33	0.496	0.741	3.825
800T150-54	16	50	0.622	1.106	4.952
800T150-68	14	50	0.926	2.081	11.303
600T200-43	18	33	0.451	0.565	2.076
800T200-43	18	33	0.541	0.741	4.230
800T200-54	16	50	0.679	0.962	5.353

INSPECTION NOTES:

GENERAL:
IN ADDITION TO THE INSPECTIONS REQUIRED BY SECTION 110 OF THE 2022 CBC, THE OWNER SHALL EMPLOY A SPECIAL INSPECTOR TO PERFORM SPECIAL INSPECTIONS AND TESTS AS INDICATED ON THE APPROVED HCAI TESTING, INSPECTION AND OBSERVATION PROGRAM.

1. INSPECTORS: ALL TESTS AND INSPECTIONS SHALL BE PERFORMED BY AN INDEPENDENT INSPECTION AGENCY WHICH IS IN THE EMPLOYMENT OF THE OWNER.
2. ALL SPECIAL INSPECTION AND TESTING AGENCIES SHALL BE QUALIFIED PER ASTM E329 AND APPROVED BY HCAI.
3. THE INSPECTOR OF RECORD AND THE SPECIAL INSPECTOR SHALL SUBMIT INSPECTION REPORTS TO OSHPD, OWNER, ARCHITECT AND ENGINEER WITHIN TWO WEEKS OF PERFORMANCE OF INSPECTION OR TEST.
4. REFER TO CHAPTER 17A OF THE CODE FOR OTHER REQUIRED SPECIAL INSPECTIONS AND TESTS NOT LISTED.
5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SEE THAT THE TESTS AND INSPECTIONS ARE PERFORMED. JOBSITE VISITS BY THE STRUCTURAL ENGINEER DO NOT CONSTITUTE AND ARE NOT A SUBSTITUTE FOR INSPECTIONS.
6. PRIOR TO THE COMPLETION OF WORK INCLUDED IN THE CONSTRUCTION DOCUMENTS, THE INSPECTOR OF RECORD AND THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND TESTS, AND CORRECTIONS OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS OR TESTS, TO THE BUILDING OFFICIAL, OWNER, ARCHITECT AND ENGINEER.
7. WHERE THE CONTRACTOR CHOOSES TO USE AN APPROVED ALTERNATIVE MEANS FOR FASTENING OR ANCHORING MATERIALS THAT REQUIRE SPECIAL FIELD INSPECTION, SUCH AS FIELD WELDING, ADHESIVE OR EXPANSIVE ANCHORS, ETC. ALL ADDITIONAL SPECIAL INSPECTION AND TESTING COSTS SHALL BE PAID BY THE OWNER AND DEDUCTED FOR THE CONTRACT AMOUNT.

PERIODIC STRUCTURAL OBSERVATION:

CONTRACTOR SHALL NOTIFY STRUCTURAL ENGINEER AT FOLLOWING STAGES OF CONSTRUCTION AND PROVIDE ALL NECESSARY ACCESS AND ASSISTANCE TO ALLOW THE STRUCTURAL ENGINEER TO PERFORM SITE OBSERVATION VISITS. THESE VISITS DO NOT CONSTITUTE INSPECTION OF THE WORK. PROVIDE A MINIMUM OF 2 BUSINESS DAYS NOTICE PRIOR TO REQUIRED TIME OF VISIT.

[X] PRIOR TO COVERING EACH PHASE OF PROJECT

SHOP DRAWINGS:

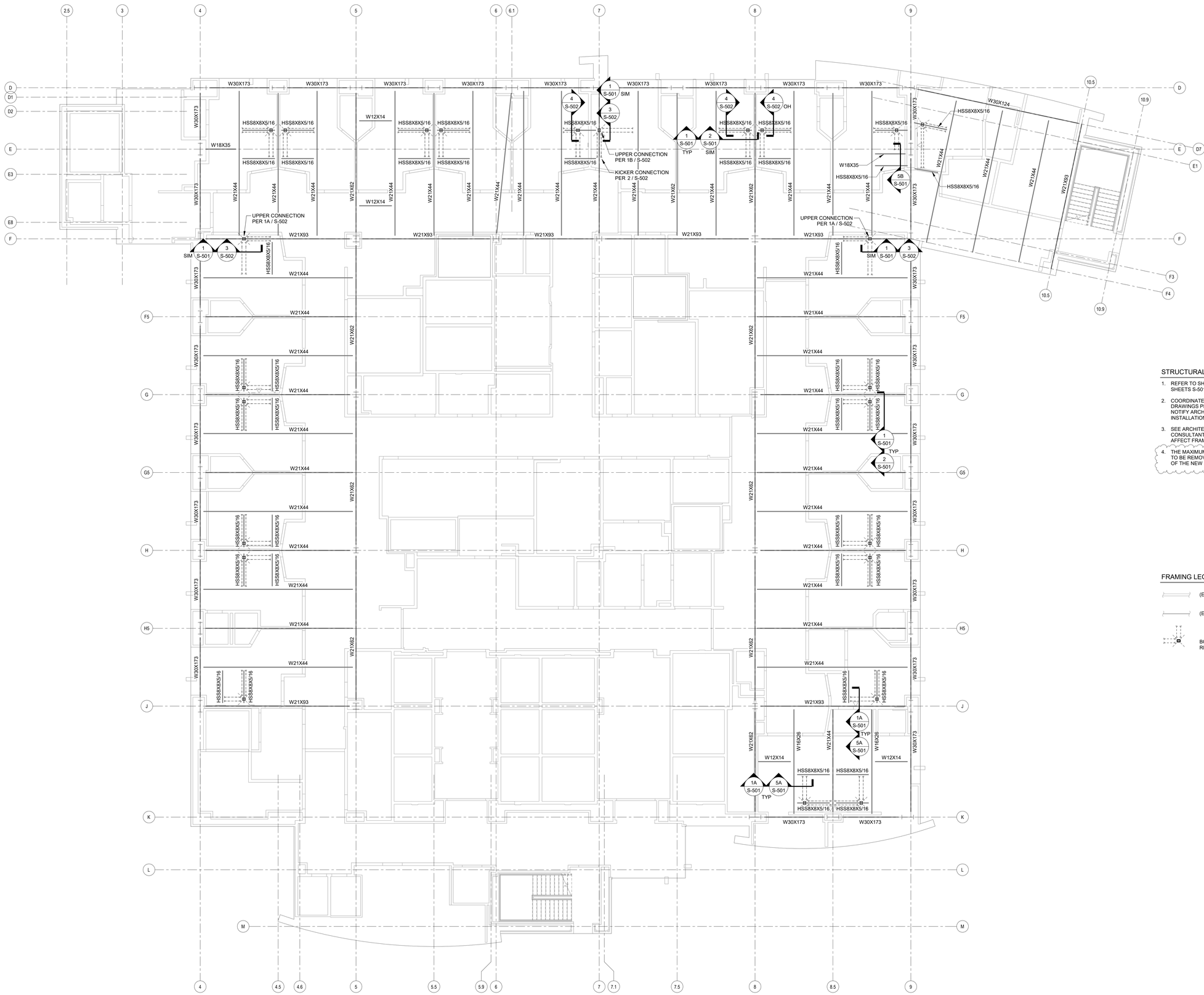
PRIOR TO FABRICATION, SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW BY THE STRUCTURAL ENGINEER:

1. THE CONTRACTOR AGREES THAT SHOP DRAWING SUBMITTALS PROCESSED BY THE ENGINEER ARE NOT CHANGE ORDERS.
2. THE CONTRACTOR AGREES THAT THE PURPOSE OF SHOP DRAWING SUBMITTALS IS TO DEMONSTRATE TO THE ENGINEER THAT THE CONTRACTOR UNDERSTANDS THE DESIGN INTENT OF THE PROJECT AND COMPLIANCE WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS AND INDICATING WHICH MATERIAL THE CONTRACTOR INTENDS TO FURNISH AND INSTALL AND BY DETAILING THE FABRICATION AND INSTALLATION METHODS THE CONTRACTOR INTENDS TO USE.
3. THE CONTRACTOR IS RESPONSIBLE FOR DIMENSIONS ON THE SHOP DRAWINGS, WHICH MUST BE CONFIRMED AND CORRELATED AT THE JOBSITE, FOR COORDINATION OF HIS OR HER WORK WITH THAT OF ALL OTHER TRADES AND FOR PERFORMING WORK IN A SAFE AND SATISFACTORY MANNER.
4. THE CONTRACTOR IS RESPONSIBLE FOR MATERIAL QUANTITIES ON THE SHOP DRAWINGS.
5. THE CONTRACTOR IS TO REVIEW AND BE IN AGREEMENT WITH COMMENTS BY THE STRUCTURAL ENGINEER PRIOR TO PROCEEDING WITH FABRICATION.
6. THE SHOP DRAWINGS SHALL BE PREPARED FROM FRESH WORK. REPRODUCTIONS OF THE APPROVED DRAWINGS IS NOT PERMITTED.
7. PRIOR TO SUBMISSION THE CONTRACTOR SHALL REVIEW ALL SUBMITTALS FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS AND SHALL STAMP SUBMITTALS AS BEING "REVIEWED FOR CONFORMANCE".
8. ANY DEVIATION ON THE SHOP DRAWING THAT DEVIATES FROM THE CONTRACT DOCUMENTS SHALL BE CLEARLY MARKED WITH THE NOTE "THIS IS A CHANGE". SEE GENERAL NOTES FOR MATERIAL SUBSTITUTIONS.
9. SHOP DRAWINGS OR CALCULATIONS SUBMITTED FOR REVIEW THAT REQUIRE MORE THAN ONE RESUBMITTAL FOR REVIEW SHALL BE BILLED HOURLY FOR SUCH TIME TO THE GENERAL CONTRACTOR. THE THIRD REVIEW WILL NOT PROCEED WITHOUT WRITTEN APPROVAL FROM THE GENERAL CONTRACTOR FOR ADDITIONAL ENGINEERING REVIEW SERVICES.
10. CAD FILES OF APPROVED DRAWINGS WILL NOT BE PROVIDED TO THE CONTRACTOR, SUBCONTRACTOR OR FABRICATOR FOR THE PREPERATION OF SHOP DRAWINGS.
11. SHOP DRAWING REVIEWS DO NOT CONSTITUTE AN APPROVAL FOR PURCHASE OR FABRICATION OF MATERIALS.

STRUCTURAL STEEL:

1. FABRICATION, ERECTION AND MATERIALS SHALL CONFORM WITH:
   A. AISC 360-16 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS"
   B. AISC

5/22/2025 5:05:13 PM TAYLOR & ASSOCIATES ARCHITECTS IF THIS DRAWING IS NOT 30"x42" IT HAS BEEN MODIFIED



11th FLOOR FRAMING PLAN AT BOOM EQUIPMENT
(10th FLR CEILING)
1/8" = 1'-0"

STRUCTURAL PLAN NOTES

1. REFER TO SHEET S-001 FOR STANDARD NOTES AND SHEETS S-501 & S-502 FOR BOOM DETAILS.
2. COORDINATE ALL DIMENSIONS W/ ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT / ENGINEER PRIOR TO ANY INSTALLATION NOT CONFORMING TO THESE DETAILS.
3. SEE ARCHITECTURAL DRAWINGS AND OTHER CONSULTANT DRAWINGS FOR UTILITIES THAT WILL AFFECT FRAMING & COMPLY WITH TYPICAL DETAILS.
4. THE MAXIMUM WEIGHT OF EXISTING TANDEM BOOMS TO BE REMOVED IS 1393# AND THE MAXIMUM WEIGHT OF THE NEW TANDEM BOOMS IS 1166#. 2

FRAMING LEGEND

- (E) NON-BRG WALL BELOW
- (E) STEEL FLOOR FRAMING TO REMAIN
- BOOM FRAMING AND EQUIPMENT TO BE REMOVED & REPLACED

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
6/26/2025, 2:54:24 PM
S250003-34-00
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

CYS STRUCTURAL ENGINEERS
2710 GATEWAY OAKS DRIVE
SUITE 150N
SACRAMENTO, CA 95833
916.920.2020 www.cyseng.com
CYS Job No. 24004

REGISTERED PROFESSIONAL ENGINEER — ARTHUR ERNEST JAMES — No. 32039 — STRUCTURAL — STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

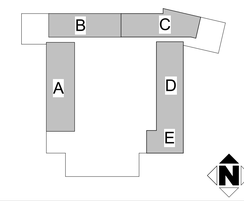
UCDAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
SACRAMENTO, CALIFORNIA 95817
(916)734-7024

TAYLOR design

REV	REVISION DESCRIPTION	DATE
2	PLAN CHECK 2	5/23/25

CONST. DOCUMENTS

KEYPLAN

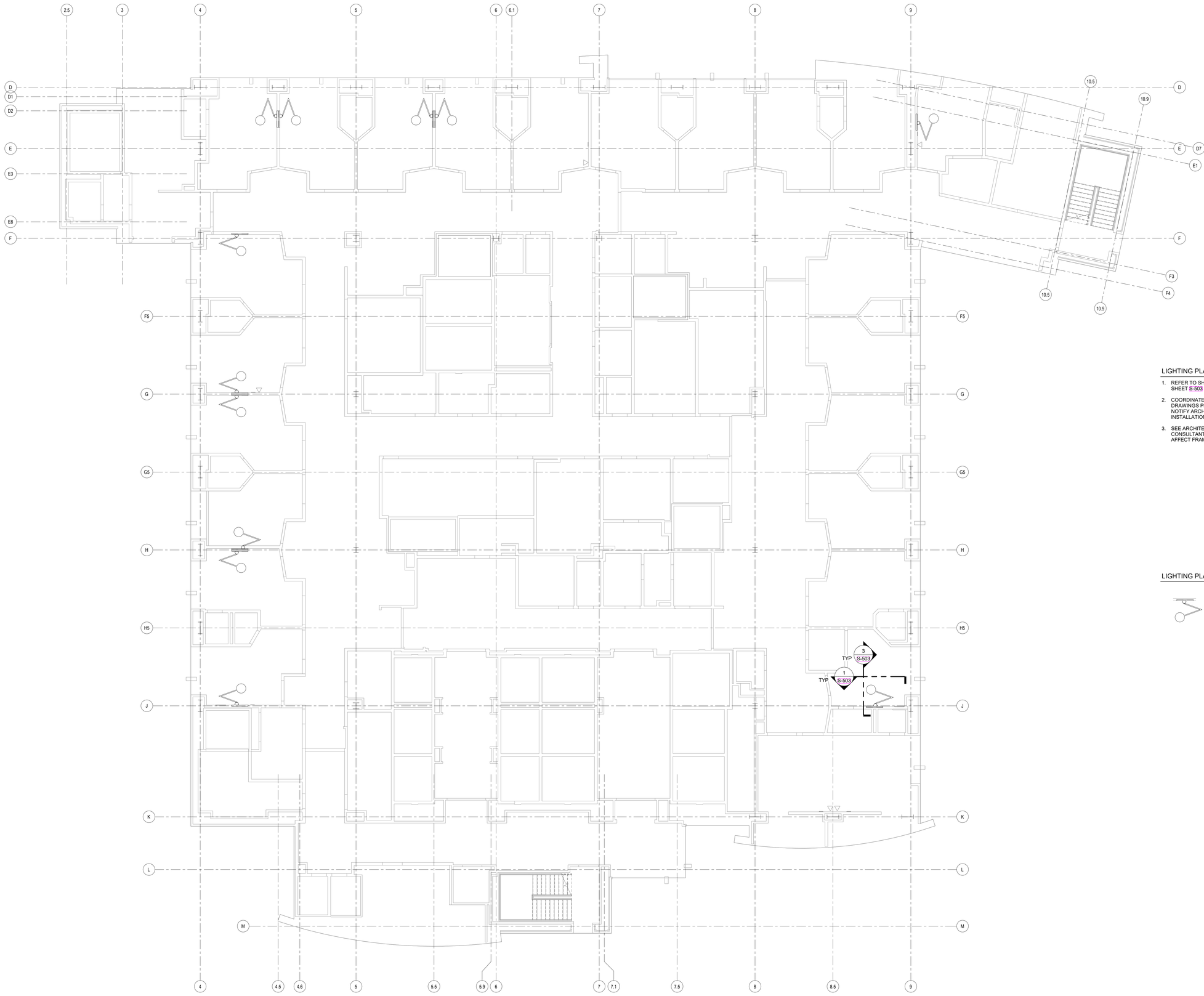


TAYLOR design
REVIEWED FOR GENERAL CONFORMANCE
Date: 5/23/25
This document has been prepared by other design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state. It has been examined by me for:
1) design intent and appears to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me, and
2) coordination with my plans and specifications and is acceptable for incorporation into the construction of this project.
SIGNATURE PROVIDED PER CAC 7.519
LICENSE NUMBER: C-3035
This Statement of General Conformance shall not be construed as relieving me of my rights, duties, and responsibilities under Section 5536 of the Business and Professions Code, Sections 7.519 to 33, inc., and 11, 7.126 and 7.132 of Title 24, Part 1.

UCDH PROJECT NO.: 9557750
HCAI - OSHPD NO.: S250003-34-00
BUILDING: BLDG-01445
FLOOR LVWNG: 10TH FLOOR
PROJECT TITLE: **DT10 PICU CEILING TILE & BOOM REPLACEMENT**
SHEET TITLE: **11th FLOOR FRAMING PLAN AT BOOM EQUIPMENT**

ARCH.\ENGR.	FD&C JOB NO.	SHEET NO.
AER	9557750 - L010335	S-121
UCDMC PROJ. MANAGER	SCALE	
SEJAL SHARMA	1/8" = 1'-0"	
DESIGNED BY	DATE	
CMD	12/16/24	
DRAWN BY	CAD FILE	SHEET OF
RDF	-	

FILE NAME: C:\Users\FallkRD\Desktop_Revit Projects\24004 PICU Boom\24004 UCDMC PICU Boom_CYS_2022_Central_rebecca8.rvt



11th FLOOR FRAMING PLAN AT LIGHTING
(10th FLR CEILING)
1/8" = 1'-0"

LIGHTING PLAN NOTES

1. REFER TO SHEET S-001 FOR STANDARD NOTES AND SHEET S-503 FOR WALL LIGHT DETAILS.
2. COORDINATE ALL DIMENSIONS W/ ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT / ENGINEER PRIOR TO ANY INSTALLATION NOT CONFORMING TO THESE DETAILS.
3. SEE ARCHITECTURAL DRAWINGS AND OTHER CONSULTANT DRAWINGS FOR UTILITIES THAT WILL AFFECT FRAMING & COMPLY WITH TYPICAL DETAILS.

LIGHTING PLAN LEGEND

INDICATES WALL-MOUNTED EXAM LIGHT PER 1 / S-503 & 3 / S-503

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
6/26/2025, 2:54:24 PM
S250003-34-00
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

CYS STRUCTURAL ENGINEERS, INC.
2730 GATEWAY OAKS DRIVE, SUITE 150 N
SACRAMENTO, CA. 95833
(916) 920-2020 WWW.CYSENG.COM

REGISTERED PROFESSIONAL ENGINEER — ROBERT ERNEST JONES — No. 52030 — STRUCTURAL — STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

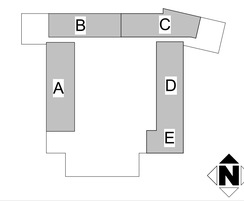
UCDAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 2010
SACRAMENTO, CALIFORNIA 95817
(916)734-7924

TAYLOR design

REV	REVISION DESCRIPTION	DATE

CONST. DOCUMENTS

KEYPLAN



TAYLOR design
REVIEWED FOR GENERAL CONFORMANCE
Robert Jones
This document has been prepared by other design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state. It has been examined by me for:
1) design intent and appears to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me, and
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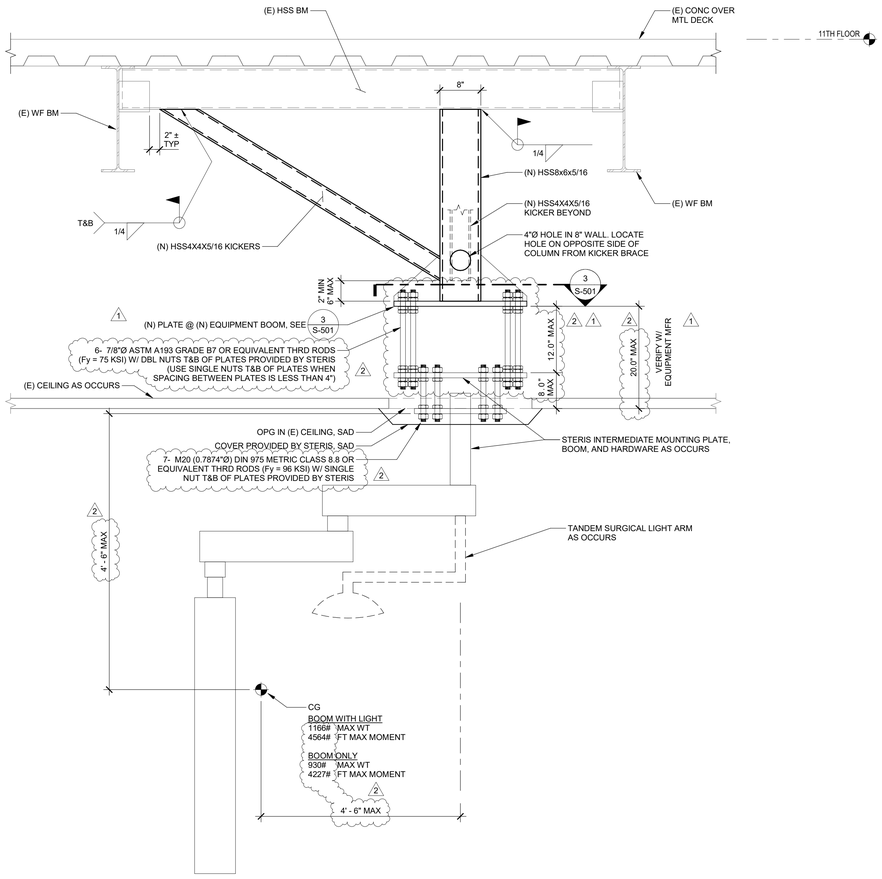
SIGNATURE PROVIDED PER CAC 7.519
LICENSE NUMBER: C-3035
This Statement of General Conformance shall not be construed as relieving me of my rights, duties, and responsibilities under Section 5536 of the Business and Professions Code, Sections 7.519 to 31, 33, and 41, 7.126 and 7.129 of Title 24, Part 1.

UCDH PROJECT NO.: 9557750
HCAI - OSHPD NO.: S250003-34-00
BUILDING: BLDG-01445
FLOOR LVWG: 10TH FLOOR
PROJECT TITLE: **DT10 PICU CEILING TILE & BOOM REPLACEMENT**
SHEET TITLE: **11th FLOOR FRAMING PLAN AT LIGHTING**

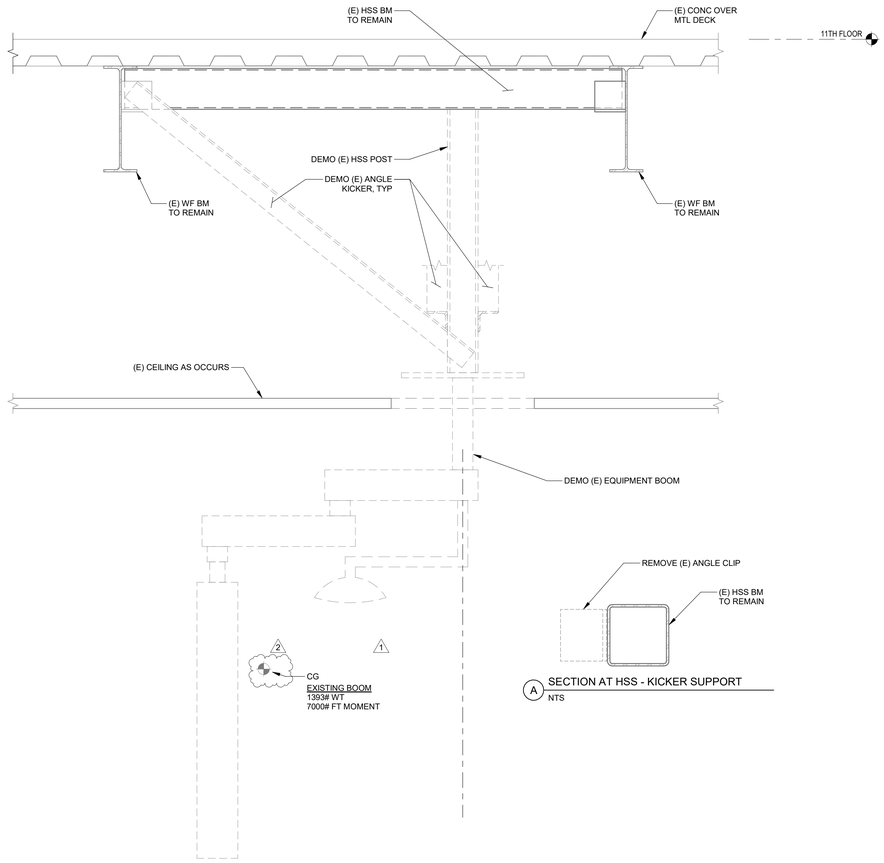
ARCH.\ENGR.	FD&C JOB NO.	SHEET NO.
AER	9557750 - L010335	S-122
UCDMC PROJ. MANAGER	SCALE	
SEJAL SHARMA	1/8" = 1'-0"	
DESIGNED BY	DATE	
CMD	12/16/24	
DRAWN BY	CAD FILE	SHEET OF
RDF	-	

12/12/2024 10:03:11 AM TAYLOR & ASSOCIATES ARCHITECTS. IF THIS DRAWING IS NOT 30"x42" IT HAS BEEN MODIFIED
FILE NAME: C:\Users\FdlkRD\Desktop_Revit Projects\24004 PICU Boom\24004 UCDMC PICU Boom_CYS_2022_Central_rebecca.rvt

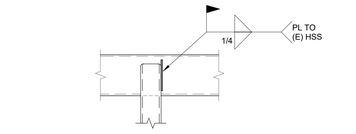
5/22/2025 5:05:15 PM TAYLOR & ASSOCIATES ARCHITECTS. IF THIS DRAWING IS NOT 30"x42" IT HAS BEEN MODIFIED



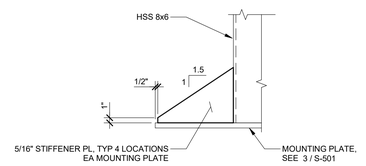
2 S-501 NEW BOOM MOUNT
1" = 1'-0"



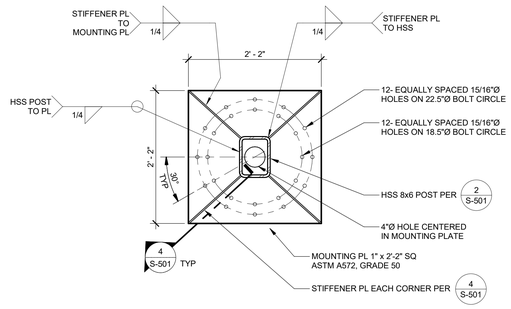
1 S-501 DEMO AT EXISTING BOOM
1" = 1'-0"



5 S-501 KICKER BRACE TO PERPENDICULAR BEAM
1" = 1'-0"



4 S-501 STIFFENER PLATE
1" = 1'-0"



NOTE:
CONTRACTOR TO VERIFY BOLT LOCATIONS WITH MANUFACTURER PRIOR TO FABRICATION

3 S-501 MOUNTING PLATE AT NEW BOOM
1" = 1'-0"

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
6/26/2025, 2:54:24 PM
S250003-34-00
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

CYS STRUCTURAL ENGINEERS
2700 GATEWAY OAKS DRIVE
SUITE 100N
SACRAMENTO, CA 95833
916.920.2020 www.cyseng.com
CYS Job No. 24004

REGISTERED PROFESSIONAL ENGINEER — ANDREW ERNEST — No. 32030 — CIVIL — STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

UCDAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 2010
SACRAMENTO, CALIFORNIA 95817
(916)734-7024

TAYLOR design

REV	REVISION DESCRIPTION	DATE
1	PLAN CHECK 1	3/19/25
2	PLAN CHECK 2	5/23/25

CONST. DOCUMENTS

REVIEWED FOR GENERAL CONFORMANCE (DSHPD)

This document has been reviewed by other design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state. It has been examined by me for:

1) design intent and appears to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me, and

2) coordination with my plans and specifications and is acceptable for incorporation into the construction of this project.

SIGNATURE PROVIDED PER CAC 7-119

LICENSE NUMBER: C-32030
DATE: 06/26/2025

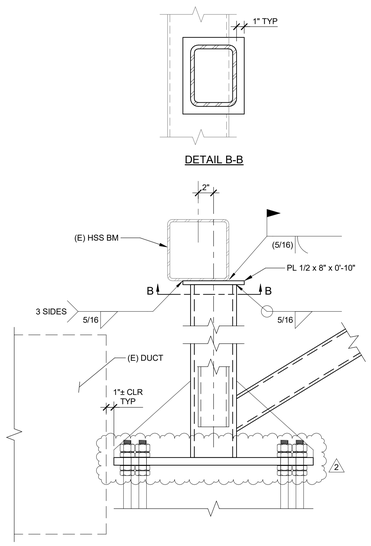
The DSHPD General Conformance shall not be construed as relieving me of my rights, duties, and responsibilities under Section 5538(b) of the Health and Safety Code and Sections 7-115.5a.3), 7-115, and 8-1.7.2(b) and 7-3.02 of Title 24, Part 1.

UCDH PROJECT NO: 9557750
HCAI - OSHPD NO: S250003-34-00
BUILDING: BLDG-01445
FLOOR / WING: 10TH FLOOR
PROJECT TITLE: DT10 PICU CEILING TILE & BOOM REPLACEMENT
SHEET TITLE: FRAMING DETAILS AT BOOM EQUIPMENT

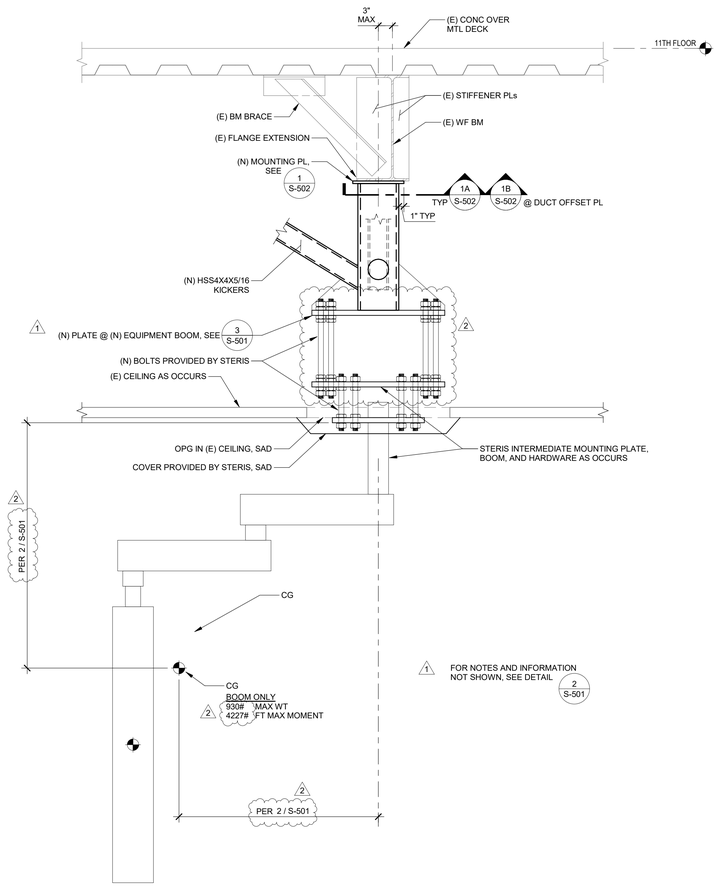
ARCH / ENGR.	FD&C JOB NO.	SHEET NO.
AER	9557750 - L010335	S-501
UCDMC PROJ. MANAGER	SCALE	
SEJAL SHARMA	As indicated	
DESIGNED BY	DATE	
CMD	12/16/24	
DRAWN BY	CAD FILE	SHEET / OF
RDF	-	

FILE NAME: C:\Users\FalkR\Desktop_Revit Projects\24004 PICU Boom\24004 UCDMC PICU Boom_CYS_2022_Central_mbeccaf.rvt

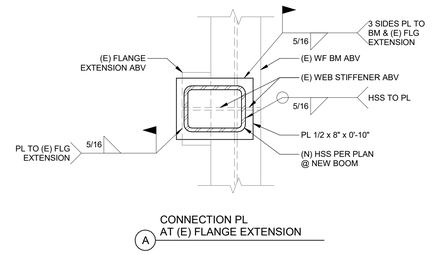
5/22/2025 5:05:16 PM TAYLOR & ASSOCIATES ARCHITECTS. IF THIS DRAWING IS NOT 30"x42" IT HAS BEEN MODIFIED



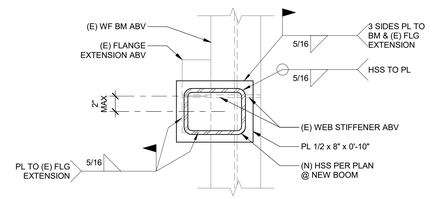
4 S-502 BOOM MOUNT AT (E) DUCT
1 1/2" = 1'-0"



3 S-502 NEW BOOM MOUNT
1" = 1'-0"

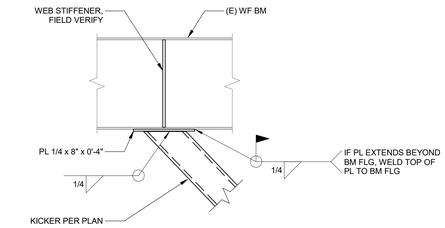


A CONNECTION PL AT (E) FLANGE EXTENSION



B DUCT OFFSET CONNECTION PL AT (E) FLANGE EXTENSION

1 S-502 CONNECTION PLATES
1 1/2" = 1'-0"



2 S-502 KICKER CONNECTION
1 1/2" = 1'-0"

FILE NAME: C:\Users\FalkR\Desktop_Revit Projects\24004 PICU Boom\24004 UCDMC PICU Boom_CYS_2022_Central_mbeccaf.rvt

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
6/26/2025, 2:54:24 PM
S250003-34-00
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

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2700 GATEWAY OAKS DRIVE
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916.920.2020 www.cyseng.com
CYS Job No. 24004

REGISTERED PROFESSIONAL ENGINEER ERNEST R. FALK No. S20230 STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

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4800 2ND AVENUE SUITE 3010
SACRAMENTO, CALIFORNIA 95817
(916)734-7024

TAYLOR design

REV	REVISION DESCRIPTION	DATE
1	PLAN CHECK 1	3/19/25
2	PLAN CHECK 2	5/23/25

CONST. DOCUMENTS

TAYLOR design
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This document has been prepared by other design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state. It has been examined by me for:

1) design intent and appears to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me, and

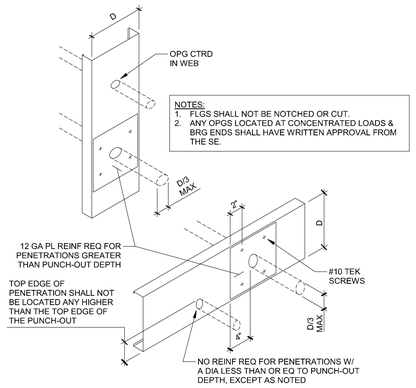
2) coordination with my plans and specifications and is acceptable for incorporation into the construction of this project.

SIGNATURE PROVIDED PER CAC 7-119
LICENSE NUMBER: C-3035
DATE: 06/26/2025
The review for General Conformance shall not be construed as relieving me of my rights, duties, and responsibilities under Section 129850 of the Health and Safety Code and Sections 7-115.5a.3), (b), and (c), 7-125 and 7-132 of Title 24, Part 1.

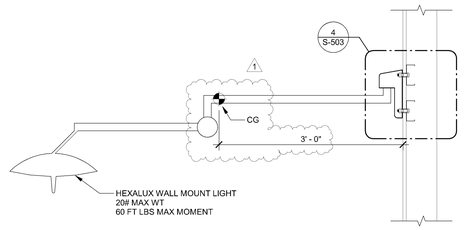
UCDH PROJECT NO.: 9557750
HCAI - OSHPD NO.: S250003-34-00
BUILDING: BLDG-01445
FLOOR / WING: 10TH FLOOR
PROJECT TITLE: **DT10 PICU CEILING TILE & BOOM REPLACEMENT**
SHEET TITLE: **FRAMING DETAILS AT BOOM EQUIPMENT**

ARCH / ENGR.	FD&C JOB NO.	SHEET NO.
AER	9557750 - L010335	S-502
UCDMC PROJ. MANAGER	SCALE	
SEJAL SHARMA	As indicated	
DESIGNED BY	DATE	
CMD	12/16/24	
DRAWN BY	CAD FILE	SHEET / OF
RDF	-	

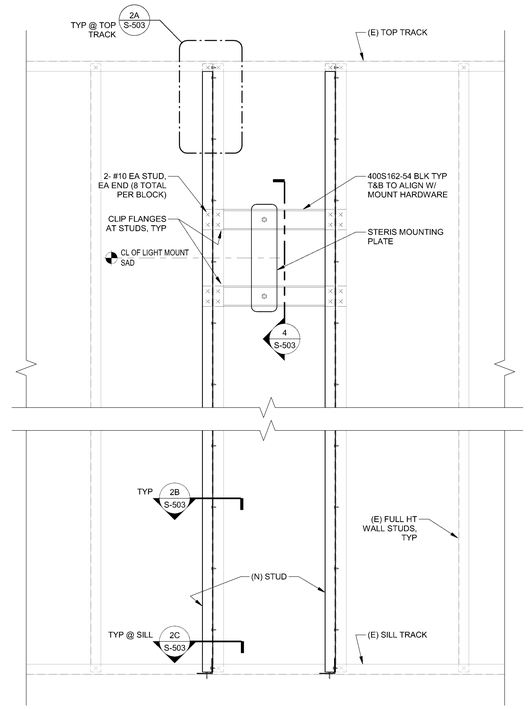
3/19/2025 8:26:56 AM TAYLOR & ASSOCIATES ARCHITECTS. IF THIS DRAWING IS NOT 30"x42" IT HAS BEEN MODIFIED

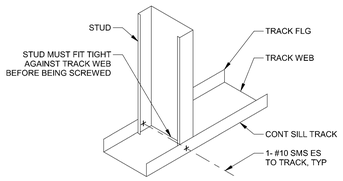


6 S-503 TYPICAL PENETRATION DETAIL
NTS

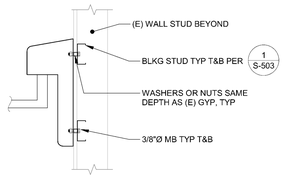


3 S-503 NEW WALL MOUNTED LIGHT
1" = 1'-0"

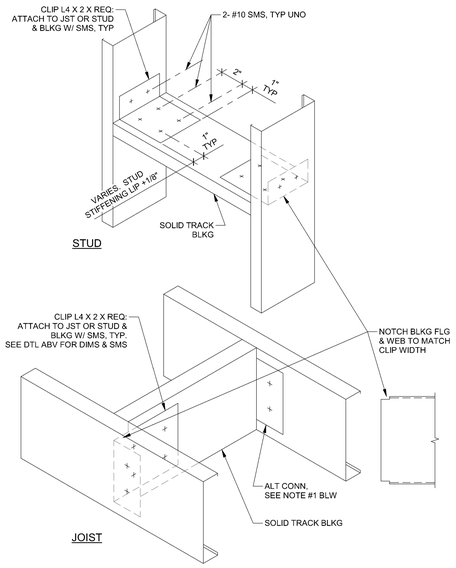




7 S-503 TYP STUD TRACK CONN
NTS

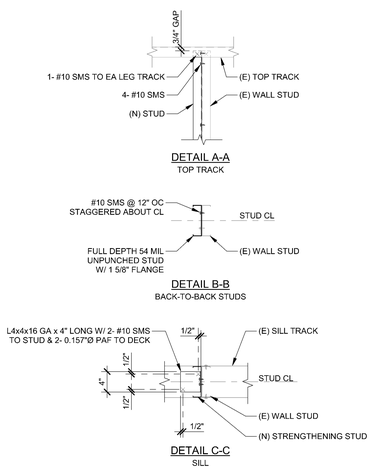


4 S-503 WALL-MOUNTING PLATE
NTS



NOTES:
1. WHERE BLKG MATERIAL THK ALLOWS, NOTCH & BEND TRACK 90 DEGS FOR CONN.
2. BLKG TO BE FULL DEPTH OF THE MEMBER.
3. BLKG & CLIP ANGLE MATERIAL THK TO MATCH STUDS OR JSTS.

5 S-503 TYPICAL BLKG DETAIL
NTS



2 S-503 STRENGTHENING STUD DETAILS
1" = 1'-0"

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APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
6/26/2025, 2:54:24 PM
S250003-34-00
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

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SACRAMENTO, CA 95833
916.920.2020 www.cyseng.com
CYS Job No. 24004

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FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 2010
SACRAMENTO, CALIFORNIA 95817
(916)734-7024

TAYLOR design

REV	REVISION DESCRIPTION	DATE
1	PLAN CHECK	3/19/25

CONST. DOCUMENTS

TAYLOR design
REVIEWED FOR GENERAL CONFORMANCE
STAMP AND SIGNATURE
This document has been prepared by other design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state. It has been examined by me for:
1) design intent and appears to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me, and
2) coordination with my plans and specifications and is acceptable for incorporation into construction of this project.
SIGNATURE PROVIDED PER CAC 7-115
LICENSE NUMBER: C-3006
DATE: 03/28/2025
This Statement of General Conformance shall not be construed as a certification of design, shop drawing review, as provided in Section 129020 of the Health and Safety Code and Sections 7-115 (a.3), (b), and (c), 7-126 and 7-132 of Title 24, Part 1.

UCDH PROJECT NO.: 9557750
HCAI - OSHPD NO.: S250003-34-00
BUILDING: BLDG-01445
FLOOR LIVING: 10TH FLOOR
PROJECT TITLE: DT10 PICU CEILING TILE & BOOM REPLACEMENT
SHEET TITLE: FRAMING DETAILS AT LIGHTING

ARCH \ ENGR.	FD&C JOB NO.	SHEET NO.
AER	9557750 - L010335	S-503
UCDMC PROJ. MANAGER	SCALE	
SEJAL SHARMA	AS SHOWN	
DESIGNED BY	DATE	
CMD	03/28/25	
DRAWN BY	CAD FILE	SHEET OF
RDF	-	

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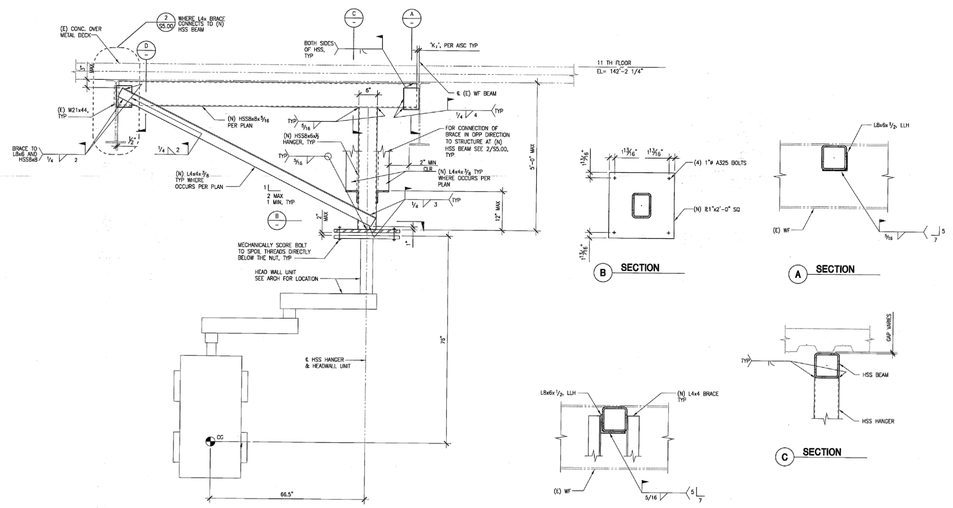
026816



NOTE:
1. REMOVE & REPLACE MONOKOTE FIREPROOFING 12" EACH SIDE OF NEW CONNECTION WORK AT (E) WF BEAMS.
2. SEE S2.03 FOR LOCATION & DIRECTION OF BRACING.

C-049071

CEILING MOUNTED HEADWALL - OPA-1571 — 1"=1'-0" — 1

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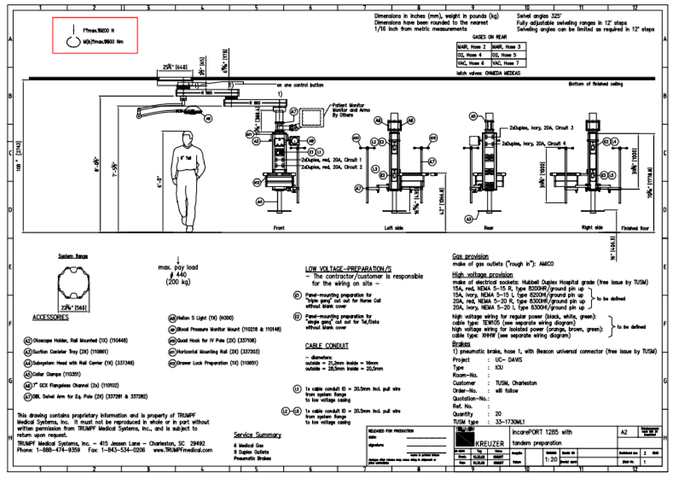
EXISTING TYPICAL MOUNT DETAIL
SCALE: NONE

REFERENCE SHEET MES1.01 DATED SEPT. 22, 2009
FROM EXISTING RECORD SET APPROVED SEPT. 29, 2011



EXISTING BOOM EQUIPMENT
SCALE: NONE

REFERENCE CUTSHEET DATED OCT. 30, 2008
SEE APPROVED REFERENCE DRAWING ABOVE

SHEET ADDED
1

Lee Burkhart Liu

Lee, Burkhart, Liu, Inc.
Architecture, Planning, Interiors

13335 Maxella Avenue
Marina Del Rey, California 90292
Phone 310 829 2249 • Fax 829 1736

REGISTERED PROFESSIONAL ENGINEER MICHAEL A. GRAU No. 4152 Exp. 9-30-10 STRUCTURAL STATE OF CALIFORNIA

LICENSED ARCHITECT KENNETH S. LIU No. C-11609 REN. DATE AUG. 31, 2011 STATE OF CALIFORNIA

Consultants

MECHANICAL / PLUMBING
R&A Engineering
1111 Howe Avenue, Suite 655
Sacramento, CA 95825
Phone 916 920 0888 Fax 916 930 9239

ELECTRICAL
EDCOR Engineering
17 99 Tribute Road, Suite 100
Sacramento, CA 95815
Phone 916 641 0920 Fax 916 641 1640

STRUCTURAL ENGINEER
KPFF Consulting Engineers
6080 Center Drive, Suite 300
Los Angeles, CA 90045
Phone 310 665 1536 Fax 310 665 9070

MEDICAL EQUIPMENT PLANNING
KTAE Associates, Inc.
Healthcare Technologies
2841 Bonnie Blvd., Suite 230
Rancho Cordova, CA 95742
Phone 916 638 3228 Fax 916 638 3284

INTERIOR DESIGN
Michelotti Design Group
6572 SANTA EUSANIA PASS HIGHO
Simi Valley, CA 93063
Phone 805 522 9692 Fax 805 522 5785

Client: UC DAVIS MED CENTER

Project: CHILDRENS HOSPITAL
24 BED PICU
2315 Stockton Blvd.
Sacramento California, 95817

Agency Approval Stamp: 09-22-09 OSHPD APPROVAL

RECORD DRAWINGS
DRAWINGS
09/29/2011

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Lee, Burkhart, Liu Job Number: 27502.000

OSHPD Number: HS071111-34

Revisions:

Key Plan/ North Arrow

Issue Date: 09-22-09

Scale: AS NOTED

Sheet Title: MEDICAL EQUIPMENT ANCHORAGE

Sheet Number: MES1.01

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

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APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
6/26/2025, 2:54:24 PM
S250003-34-00
Tony Tan

CYS STRUCTURAL ENGINEERS
2710 GATEWAY OAKS DRIVE SUITE 150CM
SACRAMENTO, CA 95833
916.920.2020 www.cyseng.com
CYS Job No. 24004

REGISTERED PROFESSIONAL ENGINEER ERNEST J. HARRIS No. S20330 CIVIL STATE OF CALIFORNIA

DESIGN PROFESSIONALS OF RECORD:

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FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 2010
SACRAMENTO, CALIFORNIA 95817
(916)734-7024

TAYLOR design

REV	REVISION DESCRIPTION	DATE
1	PLAN CHECK	3/19/25

CONST. DOCUMENTS

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SIGNATURE PROVIDED PER CAC 7-119
LICENSE NUMBER: C-32035
DATE: 03/28/2025
This Statement of General Conformance shall not be construed as relieving any party of responsibility pursuant to Section 129850 of the Health and Safety Code and Sections 7-115 (b.3), (b), and (c), 7-129 and 7-132 of Title 24, Part 1.

UCDH PROJECT NO.: 9557750
HCAI - OSHPD NO.: S250003-34-00
FILE ZONE: BLDG-01445
FLOOR / WING: 10TH FLOOR
PROJECT TITLE: DT10 PICU CEILING TILE & BOOM REPLACEMENT
SHEET TITLE: EXISTING DWGS - FOR REFERENCE ONLY

ARCH./ENGR.	FD&C JOB NO.	SHEET NO.
AER	9557750 - L010335	S-504
UCDMC PROJ. MANAGER	SCALE	
SEJAL SHARMA	SCALE: NONE	
DESIGNED BY	DATE	
CMD	03/28/25	
DRAWN BY	CAD FILE	SHEET / OF
RDF	-	

GENERAL NOTES

1. CONTRACTOR SHALL VISIT SITE TO REVIEW SCOPE OF WORK PRIOR TO SUBMISSION OF BID.
2. DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED TO DETERMINE EXACT PLACEMENT OF NEW WORK. VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD BEFORE PROCEEDING WITH WORK. EXACT PLACEMENT SHALL BE COORDINATED BASED ON ACTUAL FIELD MEASUREMENTS AND CONDITIONS.
3. COORDINATE REQUIREMENTS OF NEW WORK WITH OTHER TRADES AND PROVIDE ALL NECESSARY APPURTENANCES AND INCIDENTAL LABOR, INCLUDING PARTS AND ACCESSORIES, CONNECTIONS, SYSTEM START-UP AND TESTING AS REQUIRED TO ACHIEVE A COMPLETE FULLY FUNCTIONING INSTALLATION READY FOR OPERATION.
4. PRIOR TO FABRICATION, CONTRACTOR SHALL PREPARE FULLY COORDINATED DETAILED SHOP DRAWINGS (DRAWN TO SCALE) OF ALL PROJECT WORK AND SUBMIT TO THE OWNER'S REPRESENTATIVE FOR REVIEW AND APPROVAL. SHOP DRAWINGS SHALL INCLUDE DETAILED PLAN VIEW LAYOUTS (1¼" SCALE MINIMUM) SHOWING EQUIPMENT, DUCTWORK AND PIPING WITH DUCT AND PIPE SIZES AND ELEVATIONS ABOVE FINISHED FLOOR. COORDINATE WORK WITH OTHER TRADES AS REQUIRED TO ACHIEVE INTENDED ARCHITECTURAL ELEVATIONS.
5. AVOID ROUTING PIPING ABOVE ELECTRICAL EQUIPMENT AND CABLE TRAYS. WHERE INSTALLATION OF PIPING ABOVE ELECTRICAL EQUIPMENT OR CABLE TRAYS IS UNAVOIDABLE, INSTALL PIPING WITH A MINIMUM NUMBER OF JOINTS. JOINTS, FITTINGS, VALVES OR SIMILAR COMPONENTS SHALL BE LOCATED A MINIMUM OF 36 INCHES FROM EACH SIDE OF EQUIPMENT OR TRAY. PROVIDE DRIP PAN(S) WITH MOISTURE DETECTION ABOVE CRITICAL EQUIPMENT.
6. ALL WORK SHALL COMPLY WITH THE CALIFORNIA CODE OF REGULATIONS, TITLE 24 (2022 EDITION), INCLUDING THE CALIFORNIA BUILDING CODE (CBC), CALIFORNIA MECHANICAL CODE (CMC), CALIFORNIA PLUMBING CODE (CPC), CALIFORNIA FIRE CODE (CFC), CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA ENERGY CODE AND CALIFORNIA ELECTRICAL CODE.
7. ALL WORK MUST BE PERFORMED IN ACCORDANCE WITH THE GENERAL CONDITIONS OF THE PRIME CONTRACT.
8. CONSTRUCTION SHALL BE ORGANIZED IN SUCH A MANNER AS TO MINIMIZE DISRUPTION TO FACILITY OPERATIONS AND DISTURBANCE OF OCCUPANTS. NOTIFY THE UNIVERSITY REPRESENTATIVE A MINIMUM OF 48 HOURS IN ADVANCE OF ANY REQUIRED SYSTEM SHUTDOWNS, DISTURBANCE OF OR ENCROACHMENT INTO OCCUPIED AREAS. PERFORM ACTIVITIES SUCH AS MASONRY DRILLING AND SAW-CUTTING ONLY DURING DESIGNATED HOURS; DAMPEN NOISE AND VIBRATION TRANSMITTED TO OCCUPIED AREAS TO THE GREATEST EXTENT POSSIBLE. MAINTAIN EGRESS FROM OCCUPIED AREAS AT ALL TIMES. DO NOT OBSTRUCT OR OTHERWISE IMPEDE PEDESTRIAN OR VEHICULAR TRAFFIC-WAYS CRITICAL TO THE ONGOING OPERATION OF THE FACILITY.
9. CONTRACTOR SHALL COMPLY WITH THE FACILITY'S POLICIES AND PROCEDURES REGARDING CONTAINMENT /ISOLATION OF CONSTRUCTION AREAS AND ACTIVITIES THROUGHOUT CONSTRUCTION OF THE PROJECT. PROVIDE DUST PROTECTION, CONSTRUCTION BARRIERS, AND /OR FILTRATION ON HVAC SYSTEM INLETS AS REQUIRED TO PROTECT OCCUPIED AREAS AND AFFECTED HVAC SYSTEMS FROM CONTAMINATION BY AIRBORNE POLLUTANTS (INCLUDING DUST, SMOKE, FUMES AND ODORS) GENERATED BY CONSTRUCTION ACTIVITIES.
10. MEANS, METHODS AND TIMING OF WORK SHALL BE COORDINATED WITH AND APPROVED BY THE UNIVERISTY'S REPRESENTATIVE INSOFAR AS THEY AFFECT FACILITY OPERATIONS. MEANS AND METHODS ARE STILL SUBJECT TO ACCEPTANCE BY THE AUTHORITY HAVING JURISDICTION AND MUST COMPLY WITH DESIGN AND CODE INTENT.
11. PRE-APPROVED PIPES, DUCTS, AND CONDUITS SEISMIC BRACING
    A. THE CONTRACTOR SHALL PROVIDE LAYOUT DRAWINGS OF THE SUPPORTS, ATTACHMENTS, AND BRACING SYSTEMS IN ACCORDANCE WITH THE SELECTED HCAI PRE-APPROVED SYSTEM AND 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 SATISFY THE REQUIREMENTS OF ASCE 7 SECTION 13.6 AS MODIFIED BY THE CBC 2022 SECTION 1617A.
        a) THE STRUCTURAL ENGINEER OF RECORD (SEOR) SHALL VERIFY THAT THE SUPPORTING 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 OTHER LOADS.
        b) THE SEOR SHALL FORWARD THE SUPPORTS, ATTACHMENTS, AND BRACING DRAWINGS (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 PRE-APPROVAL AND THE DESIGN OF THE PROJECT.
        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 HCAI DISTRICT STRUCTURAL ENGINEER.
    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.
        a) THE SUPPLEMENTARY FRAMING SHALL BE SUBMITTED TO HCAI AS AN AMENDED CONSTRUCTION DOCUMENTS (ACD).
    C. THE LAYOUT DRAWINGS (WITH THE SHOP DRAWING STAMP) SHALL BE SUBMITTED TO HCAI TO REVIEW:
        a) STRUCTURE SUPPORTING THE DISTRIBUTION SYSTEM HAS ADEQUATE CAPACITY.
        b) SEISMIC DESIGN FORCES (FP) ARE IN ACCORDANCE WITH THE CBC 2022.
        c) VERIFY THAT SUBMITTAL IS WITHIN THE SCOPE OF HCAI PREAPPROVAL OF MANUFACTURER'S CERTIFICATION (OPM).
12. REFER TO STRUCTURAL DRAWINGS FOR SEISMIC CRITERIA.
13. THE EQUIPMENT MANUFACTURERS AND MODELS SPECIFIED ON THE DRAWINGS SERVE AS THE BASIS OF DESIGN. NO SUBSTITUTIONS OF ANY EQUIPMENT ARE ALLOWED WITHOUT FIRST OBTAINING APPROVAL FROM THE OWNER'S REPRESENTATIVE. ANY PROPOSED SUBSTITUTIONS MUST BE FROM ONE OF THE ALTERNATE MANUFACTURERS LISTED IN THE SPECIFICATIONS; MUST MATCH THE PHYSICAL CONFIGURATION AND REQUIREMENTS OF THE SPECIFIED MODEL INCLUDING OVERALL DIMENSIONS, INLET AND OUTLET CONFIGURATION, REQUIRED CLEARANCES, ACCESS AND POWER REQUIREMENTS; AND MUST MEET SEISMIC CERTIFICATION REQUIREMENTS WHERE MANDATED BY THE AUTHORITY HAVING JURISDICTION. PERFORMANCE FEATURES AND CONSTRUCTION OF ANY PROPOSED SUBSTITUTION SHALL MEET OR EXCEED THOSE SPECIFIED ON THE DRAWINGS AND IN THE SPECIFICATIONS. STRUCTURAL ENGINEERING CALCULATIONS FOR EQUIPMENT SUPPORT AND ANCHORAGE SHALL BE SUBMITTED BY THE CONTRACTOR AT THE TIME OF SUBMITTAL OF ANY SUBSTITUTION FOR REVIEW BY THE ARCHITECT, MECHANICAL AND STRUCTURAL ENGINEERS OF RECORD, AND HCAI FIELD PERSONNEL. SUBSTITUTIONS REQUIRING CHANGES TO THE CONTRACT DOCUMENTS BY MEANS OF A CHANGE ORDER ARE NOT ALLOWED.
14. WHERE EXISTING UTILITIES NOT SHOWN ON THE DRAWINGS ARE ENCOUNTERED, NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY. SUPPORT AND PROTECT UTILITIES UNTIL PROVISIONS CAN BE MADE FOR RELOCATION OR OTHER SOLUTION.
15. CUTTING AND DEMOLITION WORK SHALL NOT COMPROMISE STRUCTURAL INTEGRITY OF THE EXISTING CONSTRUCTION OR DAMAGE PORTIONS OF EXISTING WORK TO REMAIN.
16. OWNER RESERVES THE RIGHT TO RETAIN ALL MATERIALS AND EQUIPMENT REMOVED FROM THE PROJECT. ANY ITEMS OR MATERIALS NOT DESIRED BY THE OWNER SHALL BE REMOVED FROM THE OWNER'S PROPERTY BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
17. COORDINATE METHOD, ROUTE AND TIMING OF MATERIAL AND DEBRIS REMOVAL WITH THE UNIVERSITY REPRESENTATIVE PRIOR TO ANY REMOVAL.
18. PATCH AND REPAIR ANY DAMAGE TO WALLS, FLOORS, CEILINGS, CABINETS, HARDWARE, WINDOWS, FIXTURES, ETC. RESULTING FROM PROJECT WORK. REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR DRYWALL AND FINISH PATCHWORK AND REPAIR REQUIREMENTS. MATCH EXISTING FINISHES AS CLOSELY AS POSSIBLE UNLESS NOTED OTHERWISE. PATCHES AND REPAIRS SHALL RESTORE FINISH TO "LIKE NEW" CONDITION.
19. SEAL AND PROTECT ALL PIPE, DUCT AND CONDUIT PENETRATIONS OF FLOORS, WALLS, CEILINGS AND ROOF. METHODS AND MATERIALS USED FOR TREATMENT OF PENETRATIONS THROUGH RATED ASSEMBLIES SHALL BE U.L. AND FIRE MARSHAL APPROVED.
20. ALL LOCATIONS FOR SAW-CUTTING OF CONCRETE SLABS, CORING OF CONCRETE SURFACES, DRILLING FOR ANCHOR BOLTS, ETC. SHALL BE COORDINATED WITH AND APPROVED BY A CALIFORNIA LICENSED STRUCTURAL ENGINEER PRIOR TO COMMENCING WORK.
21. CONTRACTOR SHALL LABEL ALL NEW VALVES SEQUENTIALLY USING THE EXISTING FACILITY TAG INVENTORY LIST. USE METAL TAGS. TAGS SHALL BE 2" DIAMETER AND FABRICATED OF BRASS OR STAINLESS STEEL. TAGS SHALL BE ATTACHED WITH JACK CHAIN MADE FROM THE SAME MATERIAL.
22. ALL NEW WASTE PIPING SHALL BE SLOPED UNIFORMLY BETWEEN THE UPPER TERMINAL OF THE WASTE SYSTEM AND/OR SITE PIPING NOT LESS THAN ¼" PER FOOT, UNLESS OTHERWISE NOTED. WHERE SLOPES LESS THAN ¼" PER FOOT ARE INDICATED, THE NEW PIPING SHALL BE SLOPED TO ACHIEVE THE MAXIMUM SLOPE POSSIBLE, BUT NOT LESS THAN INDICATED OR ALLOWED BY CODE.

HCAI INTENT NOTE

THE INTENT OF THE CONSTRUCTION DOCUMENTS IS TO RECONSTRUCT THE HOSPITAL BUILDING IN ACCORDANCE WITH THE 2022 CBC. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE APPROVED CONSTRUCTION DOCUMENTS, WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH THE 2022 CBC, AMENDED CONSTRUCTION DOCUMENTS (ACDs) DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY HCAI BEFORE PROCEEDING WITH THE WORK.

MEDICAL GAS SYSTEM NOTES

THE MEDICAL GAS SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 99, 2021 EDITION. MEDICAL GAS OUTLETS SHALL CONFORM TO CBC TABLE 1224.4.6.1. THE INSTALLATION OR MODIFICATION SHALL BE PERFORMED BY PERSONS ASSE 6010 CERTIFIED. ANY MEDICAL GAS PIPING SYSTEM BREACHED BY PROJECT WORK MUST BE TESTED AND RE-CERTIFIED PER NFPA 99.

PLUMBING LEGEND

ABBREVIATIONS

AC	ABOVE CEILING
AD	AREA DRAIN
AFF	ABOVE FINISHED FLOOR
AP	ACCESS PANEL
ARCH	ARCHITECT
AV	ACID VENT
AVTR	ACID VENT THRU ROOF
AW	ACID WASTE
BG	BELOW GRADE
BFP	BACKFLOW PREVENTER
BOP	BOTTOM OF PIPE
BV	BALANCING VALVE
CA	COMPRESSED AIR
CAP	CAPACITY
CD	CONDENSATE DRAIN
CFH	CUBIC FEET PER HOUR
CKV	CHECK VALVE
CLG	CEILING
CO	CLEAN OUT
CSK	CLINIC SINK
CV	CONTROL VALVE
D	DRAIN
DCW	DOMESTIC COLD WATER
DET	DETAIL
DF	DRINKING FOUNTAIN
DHW	DOMESTIC HOT WATER
DHWR	DOMESTIC HOT WATER RETURN
DI	DEIONIZED WATER
DN	DOWN
DWG	DRAWING
(E)	EXISTING
(ER)	EXISTING RELOCATED
EWH	ELECTRIC WATER HEATER
EWT	ENTERING WATER TEMPERATURE
FA	FROM ABOVE
FB	FROM BELOW
FC	FLEXIBLE CONNECTION
FCO	FLOOR CLEAN OUT
FD	FLOOR DRAIN
FLR	FLOOR
FPM	FEET PER MINUTE
FSH	FIRE SPRINKLER HEAD
FSK	FLOOR SINK
FP	FIRE PROTECTION
FSP	FIRE SPRINKLER PIPE
FT	FEET
G	NATURAL GAS
GCO	GRADE CLEAN OUT
GLV	GLOBE VALVE
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GV	GATE VALVE
HB	HOSE BIBB
HPG	HIGH PRESSURE NATURAL GAS
ICW	INDUSTRIAL COLD WATER
ID	INSIDE DIAMETER
IW	INDIRECT WASTE
LA	LABORATORY AIR
LAV	LAVATORY
LBS	POUNDS
LG	LABORATORY GAS
LP	LOW PRESSURE
LV	LABORATORY VACUUM
MA	MEDICAL AIR
MAX	MAXIMUM
MFR	MANUFACTURER
MPG	MEDIUM PRESSURE NATURAL GAS
MIN	MINIMUM
MISC	MISCELLANEOUS
(N)	NEW
N2	NITROGEN
N2O	NITROUS OXIDE
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
O2	OXYGEN
OC	ON CENTER
OFD	OVERFLOW DRAIN
OFL	OVERFLOW LEADER
PG	PRESSURE GAUGE
PLBG	PLUMBING
POC	POINT OF CONNECTION
POD	POINT OF DISCONNECT
PRV	PRESSURE REDUCING VALVE
PS	PRESSURE SWITCH
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
RD	ROOF DRAIN
RM	ROOM
RO	REVERSE OSMOSIS WATER
RWL	RAINWATER LEADER
SCD	SECONDARY CONDENSATE DRAIN
SCH	SCHEDULE
SD	STORM DRAIN
SH	SHOWER
SHT	SHEET
SK	SINK
SM	SHEET METAL
SOV	SHUT OFF VALVE
SQ FT	SQUARE FOOT
SS	SANITARY SEWER
SST	STAINLESS STEEL
STD	STANDARD
TA	TO ABOVE
TB	TO BELOW
TH	THERMOMETER
TYP	TYPICAL
UF	UNDER FLOOR
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
UR	URINAL
US	UNDER SLAB
V	SANITARY VENT
VAC	MEDICAL VACUUM
VR	VENT RISER
VTR	VENT THRU ROOF
W/	WITH
W/O	WITHOUT
W	SANITARY WASTE
WC	WATER CLOSET
WCO	WALL CLEAN OUT
WD	WASTE DROP
WH	WATER HEATER
WHA	WATER HAMMER ARRESTER
WSP	WET STANDPIPE

PLUMBING

PLUMBING

- NEW PIPE
- EXISTING PIPE
- PIPE TO BE DEMOLISHED
- DOMESTIC COLD WATER - DCW
- DOMESTIC HOT WATER - DHW
- DOMESTIC HOT WATER RETURN - DHWR
- VENT - V
- SANITARY WASTE - W
- FLOW DIRECTION
- DI — DEIONIZED WATER
- G — NATURAL GAS, LOW PRESSURE
- ICW — INDUSTRIAL COLD WATER
- MPG — NATURAL GAS, MEDIUM PRESSURE
- OFL — OVERFLOW LEADER
- RO — REVERSE OSMOSIS WATER
- RWL — RAINWATER LEADER
- SW — SOFT WATER
- CO — CLEANOUT
- FC — FLEX CONNECTOR
- FCO — FLOOR CLEANOUT
- FD-1 — FLOOR DRAIN
- FSK-1 — FLOOR SINK
- HB — HOSE BIBB
- OD — OVERFLOW DRAIN
- RD — ROOF DRAIN
- STR — STRAINER
- WCO — WALL CLEANOUT
- WHA — WATER HAMMER ARRESTER

PIPE FITTINGS

- PIPE RISE/ELBOW UP
- PIPE DROP/ELBOW DOWN
- PIPE RISE/DROP TOP CONNECTION
- PIPE RISE/DROP BOTTOM CONNECTION
- FLANGE CONNECTION
- UNION CONNECTION
- CAPPED PIPE
- REDUCER

VALVES

- ANGLE VALVE
- BACK FLOW PREVENTER
- BALANCE VALVE
- BALL VALVE
- BUTTERFLY VALVE
- CHECK VALVE, DIRECTION
- CONTROL VALVE 2-WAY
- CONTROL VALVE 3-WAY
- GAS COCK
- GATE VALVE
- GLOBE VALVE
- PRESSURE REDUCING VALVE
- PRESSURE RELIEF VALVE
- SHUT-OFF VALVE
- SOLENOID VALVE
- STEAM TRAP

MEDICAL GAS

- LOX — LIQUID OXYGEN
- MA — MEDICAL AIR

MEDICAL GAS CONT.

- VAC — MEDICAL VACUUM
- N2 — NITROGEN
- N2O — NITROUS OXIDE
- O2 — OXYGEN
- PS — PRESSURE SWITCH
- AA-1 — AREA ALARM PANEL
- ZVB-1 — ZONE VALVE BOX

MEDICAL GAS OUTLETS

- VAC-1 — VACUUM OUTLET
- MA-1 — MEDICAL AIR OUTLET
- O2-1 — OXYGEN OUTLET

GENERAL

- 1 — NEW WORK SHEET NOTE
- 1 — DEMOLITION SHEET NOTE
- 1 — PHOTO SHEET NOTE
- 1 — REVISION DELTA
- EQ / 1 — EQUIPMENT TYPE / EQUIPMENT NUMBER
- 1 / P1 — DETAIL NUMBER SHEET NUMBER
- 1 / P1 — SECTION NUMBER SHEET NUMBER
- N — NORTH ARROW

SHEET INDEX

P-001	PLUMBING LEGEND, NOTES AND SHEET INDEX
P-021	LEVEL 10 PLUMBING OVERALL DEMOLITION PLAN
P-041-A	LEVEL 10 PLUMBING DEMOLITION SEGMENTED PLANS
P-041-B	LEVEL 10 PLUMBING DEMOLITION SEGMENTED PLANS
P-121	LEVEL 10 PLUMBING OVERALL NEW WORK PLAN
P-141-A	LEVEL 10 PLUMBING NEW WORK SEGMENTED PLANS
P-141-B	LEVEL 10 PLUMBING NEW WORK SEGMENTED PLANS
P-401	LEVEL 10 ENLARGED PLUMBING PLANS
P-501	PLUMBING DETAILS

SEQUENCE OF CONSTRUCTION NOTES

1. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT A DETAILED METHOD OF PROCEDURE (MOP) TO THE UNIVERSITY REPRESENTATIVE, THE UNIVERSITY'S MEDICAL GAS CERTIFIER, HCAI FIELD STAFF AND THE MECHANICAL ENGINEER (MEOR) FOR THEIR REVIEW AND APPROVAL.
2. THE CONTRACTOR'S METHOD OF PROCEDURE (MOP) SHALL INCORPORATE PHASING OF THE MEDICAL GAS SYSTEM SHUTDOWN TO MINIMIZE DISRUPTION AND ALLOW FOR SYSTEM USE OUTSIDE AFFECTED PROJECT AREA.
3. ALL WORK SHALL BE PERFORMED AS DETAILED WITHIN THE CONSTRUCTION DOCUMENTS. GENERALLY WORK SHALL BE PERFORMED DURING OFF-HOURS, BE COORDINATED WITH THE UNIVERSITY'S FACILITY PERSONNEL AND SHALL BE SEQUENCED AS NEEDED TO LIMIT OR MINIMIZE DISRUPTIONS TO FACILITY OPERATIONS. CONTRACTOR SHALL INCLUDE WITHIN THEIR BID ALL TEMPORARY SUPPORTS AND CONNECTIONS, AS WELL AS STAGING AND COORDINATION BETWEEN DISCIPLINES AND THE UNIVERSITY'S FACILITY PERSONNEL. COORDINATE ANY SHUTDOWNS FOR TIE-INS TO EXISTING UTILITIES AS REQUIRED WITH THE UNIVERSITY REPRESENTATIVE.

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
6/26/2025, 2:54:24 PM
S250003-34-00
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

STATE OF CALIFORNIA — REGISTERED PROFESSIONAL ENGINEER — No. M33262 Exp.12/31/25 — MECHANICAL

R&A ENGINEERING SOLUTIONS, INC.
Mechanical Consultants
601 University Avenue, Suite 255, Sacramento, CA 95825
Tel. (916) 920-5965 Fax. (916) 920-9239
R&A Job Number: TAY14224
PM: SSC Designer/Drafter: NLC/AM

DESIGN PROFESSIONALS OF RECORD:

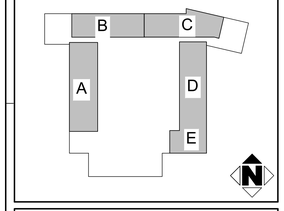
UCDAVIS HEALTH
Facilities Design & Construction
4800 2nd Avenue Suite 2010
Sacramento, California 95817
(916)734-7024

TAYLOR design

REV	REVISION DESCRIPTION	DATE

CONST. DOCUMENTS

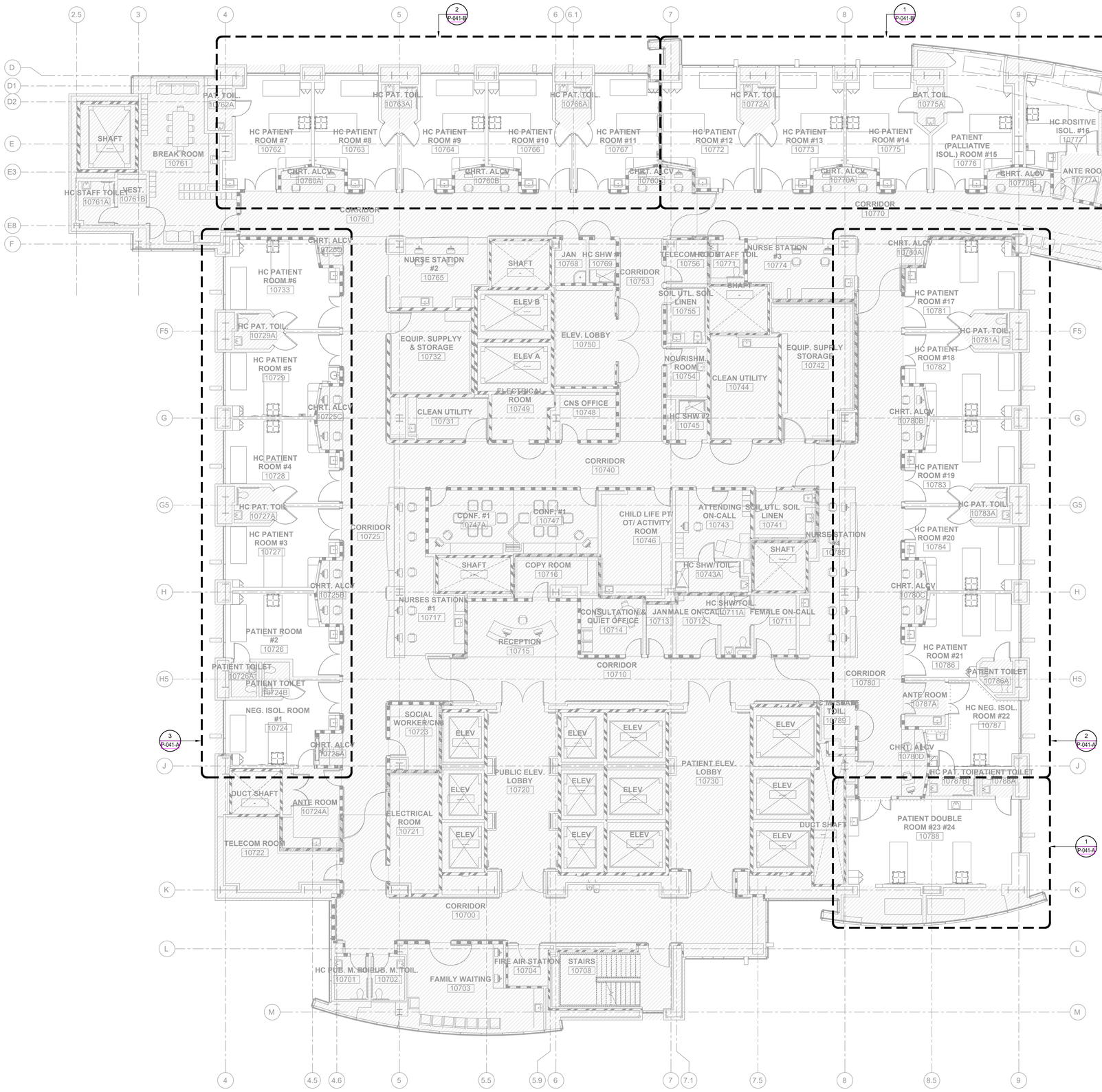
KEYPLAN



TAYLOR design
REVIEWED FOR GENERAL CONFORMANCE (DSA/PS)
This document has been prepared by the following other design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state. It has been examined by me for:
1) design intent and appears to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me, and
2) coordination with my plans and specifications and is acceptable for incorporation into the construction of this project.
SIGNATURE PROVIDED PER CAC 7-119
LICENSE EXPIRATION: C-3206
DATE: 12/16/2024
This Statement of General Conformance shall not be construed as a certification of design or a guarantee of performance under Section 129851 of the Health and Safety Code and Sections 7-115.5a.5), 7-115.5a.6), and 7-115.5a.7) of Title 24, Part 1.

UCDH PROJECT NO.: 9557750
HCAI - OSHPD NO.: S250003-34-00
BUILDING: BLDG-01445
FLOOR LIVING: 10TH FLOOR
PROJECT TITLE: DT10 PICU CEILING TILE & BOOM REPLACEMENT
SHEET TITLE: PLUMBING LEGEND, NOTES AND SHEET INDEX

ARCH / ENGR	FD&C JOB NO.	SHEET NO.
Scott Crosby	9557750 -L010335	P-001
UCDMC PROJ. MANAGER: Sejal (Sage) Sharma	SCALE: As Noted	
DESIGNED BY: Scott Crosby	DATE: 12/16/24	
DRAWN BY: NLC/AM	CAD FILE: -	SHEET / OF



1 LEVEL 10 PLUMBING OVERALL DEMOLITION PLAN

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

N

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
6/26/2025, 2:54:24 PM
S250003-34-00
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

No. M33262 Exp.12/31/25
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ENGINEERING SOLUTIONS INC
Mechanical Consultants
601 University Avenue, Suite 255, Sacramento, CA 95825
Tel. (916) 920-5965 Fax. (916) 920-9239
R&A Job Number: TAY14224
PM: SSC Designer/Drafter: NLC/AM

DESIGN PROFESSIONALS OF RECORD:

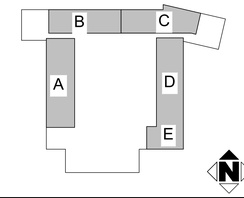
UCDAVIS HEALTH
Facilities Design & Construction
4800 2nd Avenue Suite 3010
Sacramento, California 95817
(916)734-7024

TAYLOR design

REV	REVISION DESCRIPTION	DATE

CONST. DOCUMENTS

KEYPLAN



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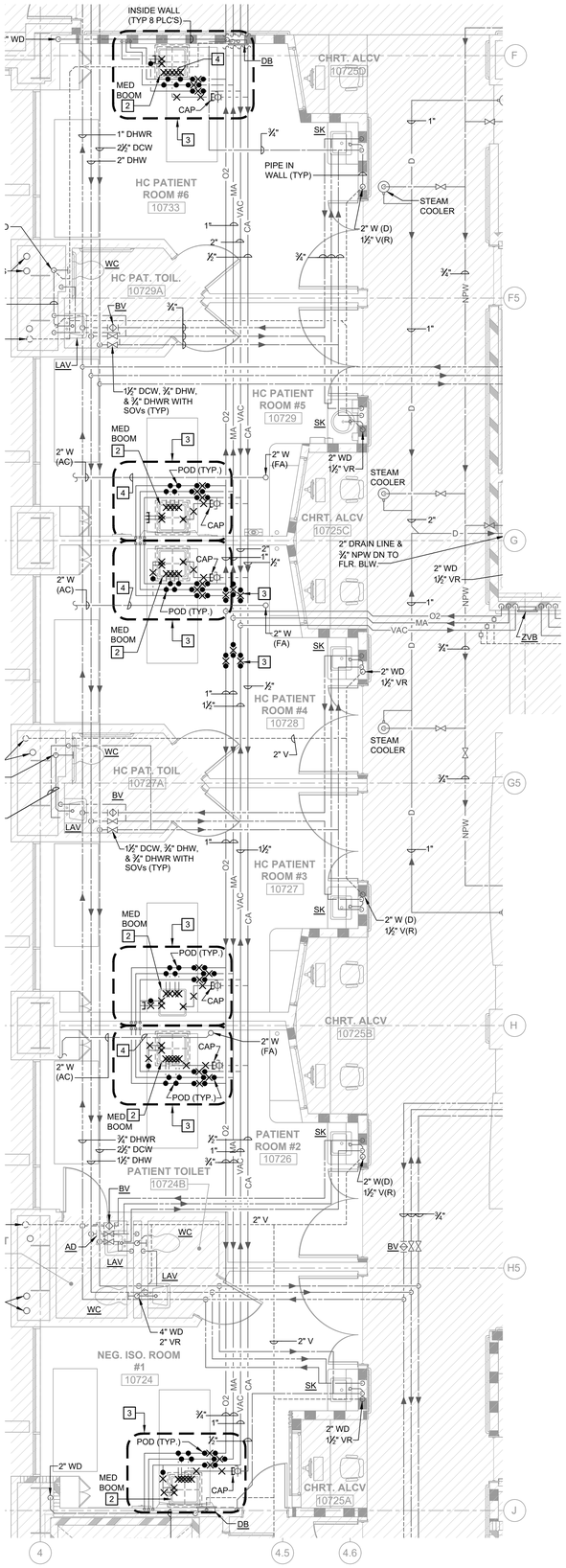
1) design intent and appears to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me, and

2) coordination with my plans and specifications and is acceptable for incorporation into the construction of this project.

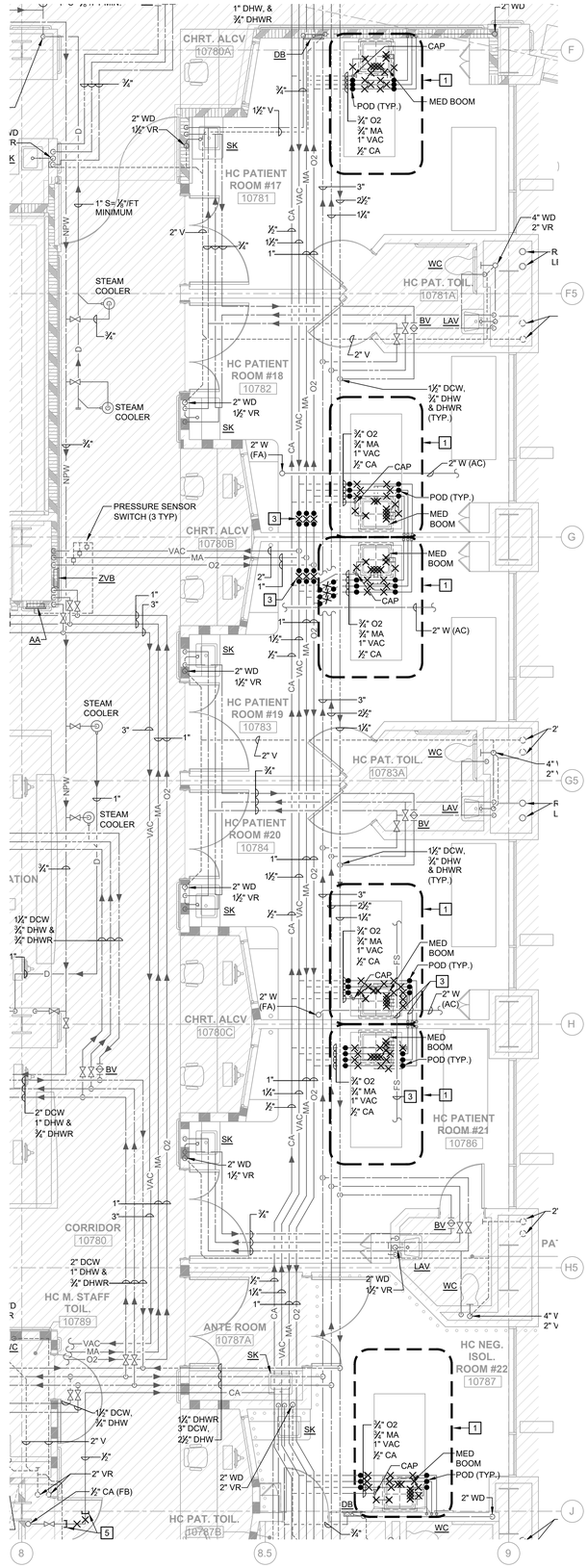
SIGNATURE PROVIDED PER CAC 7-119
LICENSE NUMBER: C-3205
DATE: 12/18/2024
This Statement of General Conformance shall not be construed as relieving any party of its duties and responsibilities under Section 129953 of the Health and Safety Code and Sections 7-115.5a.(5), (b), and (c), 7-126 and 7-132 of Title 24, Part 1.

UCDH PROJECT NO.: 9557750
HCAI - OSHPD NO.: S250003-34-00
BUILDING: BLDG-01445
FLOOR / WING: 10TH FLOOR
PROJECT TITLE: **DT10 PICU CEILING TILE & BOOM REPLACEMENT**
SHEET TITLE: **LEVEL 10 PLUMBING OVERALL DEMOLITION PLAN**

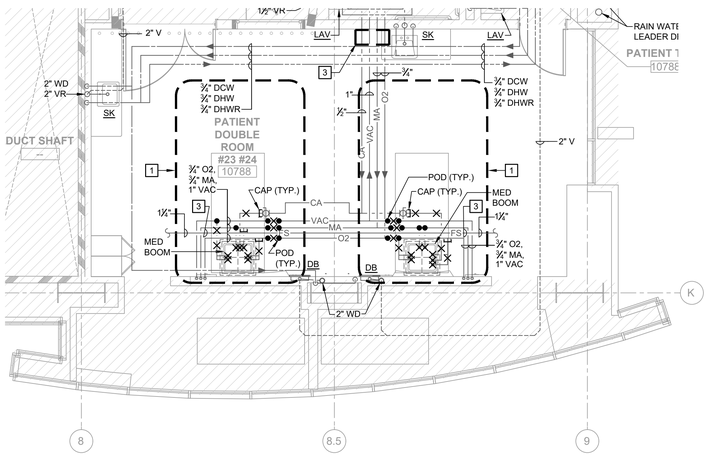
ARCH / ENGR. Scott Crosby	FD&C JOB NO. 9557750 -L010335	SHEET NO. P-021
UCDMC PROJ. MANAGER Sejal (Sage) Sharma	SCALE As Noted	
DESIGNED BY Scott Crosby	DATE 12/16/24	
DRAWN BY NLC/AM	CAD FILE -	SHEET / OF



3 PLUMBING DEMOLITION PLAN - SEGMENT A
SCALE: 1/4" = 1'-0"



2 PLUMBING DEMOLITION PLAN - SEGMENT D
SCALE: 1/4" = 1'-0"



1 PLUMBING DEMOLITION PLAN - SEGMENT E
SCALE: 1/4" = 1'-0"

WALL LEGEND

- NON-RATED PARTITION
- NON-RATED DOUBLE STUD SMOKE PARTITION
- 1 HOUR RATED METAL STUD SMOKE BARRIER
- 1 HOUR RATED METAL STUD FIRE BARRIER
- 1 HOUR RATED SMOKE PARTITION SHAFT WALL
- 1 HOUR RATED FIRE PARTITION METAL STUD WALL
- 2 HOUR RATED FIRE WALL
- 2 HOUR RATED SMOKE BARRIER
- 2 HOUR RATED FIRE BARRIER
- DEMOLISH WALL
- TEMPORARY CONSTRUCTION BARRIER

DEMOLITION SHEET NOTES

1. DEMOLISH MEDICAL GAS AND COMPRESSED AIR PIPING OVER THE PATIENT BED TO AVOID NEW MEDICAL GAS AND LIGHT BOOM EQUIPMENT AND OTHER CEILING MODIFICATIONS.

   PIPING SHALL BE CUT AND PREPARED FOR CONNECTION TO NEW. REFER TO NEW WORK FLOOR PLANS FOR CONTINUATION.

2. DEMOLISH MEDICAL GAS LINES AT BOOM LOCATIONS. CUT AND PREPARE PIPING FOR CONNECTION TO NEW MEDICAL GAS BOOM. REFER TO NEW WORK FLOOR PLANS FOR CONTINUATION.

3. CONTRACTOR SHALL FIELD VERIFY AND DEMOLISH THE MINIMAL AMOUNT OF MEDICAL GAS AND COMPRESSED AIR PIPING AS NEEDED TO ALLOW FOR A NEW SERVICE VALVE TO BE INSTALLED.

   A. IF THERE IS INSUFFICIENT SPACE TO ALLOW FOR PROPER VALVE INSTALLATION OF SERVICE VALVE, CONTRACTOR SHALL MODIFY AND EXTEND MEDICAL GAS LINES TO ALLOW FOR NEW SERVICE VALVE INSTALLATION.

   B. IF THE ROOM HEADWALL GAS LINES ARE FED DIRECTLY FROM THE MAIN MEDICAL GAS BRANCH LINES, RATHER THAN FROM THE BRANCH LINE THAT ALSO SERVES THE MEDICAL GAS BOOM, THE ROOM HEADWALL BRANCH LINES WILL ALSO REQUIRE SERVICE VALVE.

   C. CAP AT SHUT-OFF FOR THE COMPRESSED AIR PIPING.

   D. REFER TO DETAIL 1/P-501 FOR VALVE INSTALLATION DIAGRAM.

4. CONTRACTOR SHALL FIELD VERIFY PLUMBING IN THE VICINITY OF THE BOOM BRACING AND ADJUST PLUMBING AS NEEDED TO ACCOMMODATE BOOM BRACING TO STRUCTURE ABOVE. COORDINATE WITH FACILITY FOR ANY FIXTURES FROM THE FLOOR ABOVE THAT MAY BE AFFECTED (IF APPLICABLE).

5. AT COMPLETION OF NEW BOOM INSTALLATION, CONFIRM NO CONNECTED CA SERVICE. IF NO CONNECTED SERVICE, DEMOLISH A SHORT SECTION OF CA PIPING AT LOCATION INDICATED TO INSTALL LINE CAPS. COMPRESSED AIR LINE IS TO BE OUT OF SERVICE, BUT IS TO REMAIN IN PLACE FOR FUTURE CONNECTION. PROVIDE ADDITIONAL SUPPORT AT CUT ENDS PIPE.

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
6/26/2025, 2:54:24 PM
S250003-34-00
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

R&A ENGINEERING SOLUTIONS INC
Mechanical Consultants
601 University Avenue, Suite 255, Sacramento, CA 95825
Tel. (916) 920–5965 Fax. (916) 920–9239
R&A Job Number: TAY14224
PM: SSC Designer/Drafter: NLC/AM

DESIGN PROFESSIONALS OF RECORD:

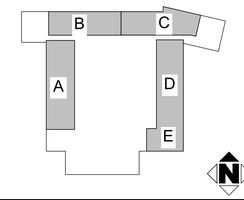
UC DAVIS HEALTH
Facilities Design & Construction
4800 2nd Avenue Suite 3010
Sacramento, California 95817
(916)734-7024

TAYLOR design

REV	REVISION DESCRIPTION	DATE

CONST. DOCUMENTS

KEYPLAN



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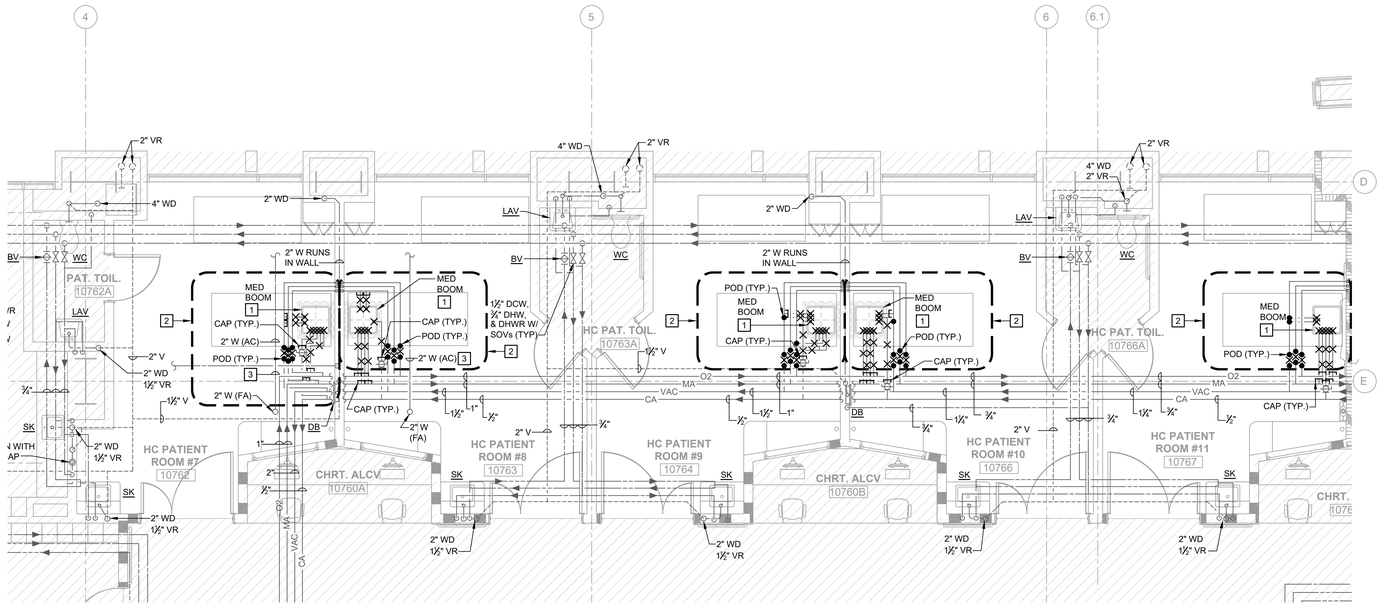
This document has been prepared by other design professionals. Review and approval by DSA/PS indicates only that it generally conforms to such drawings or this state. It has been examined by me for:
1) design intent and appears to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me, and
2) coordination with my plans and specifications and is acceptable for incorporation into the construction of this project.
SIGNATURE PROVIDED PER CAC 7-328
LICENSE NUMBER: C-3036
DATE: 12/18/2025
NOTE: DSA/PS General Conformance shall not be construed as relieving me of my rights, duties, and responsibilities under Section 129(b) of the Health and Safety Code and Sections 7-315.b.3), 8b, and 11, 7-329 and 7-332 of Title 24, Part 1.

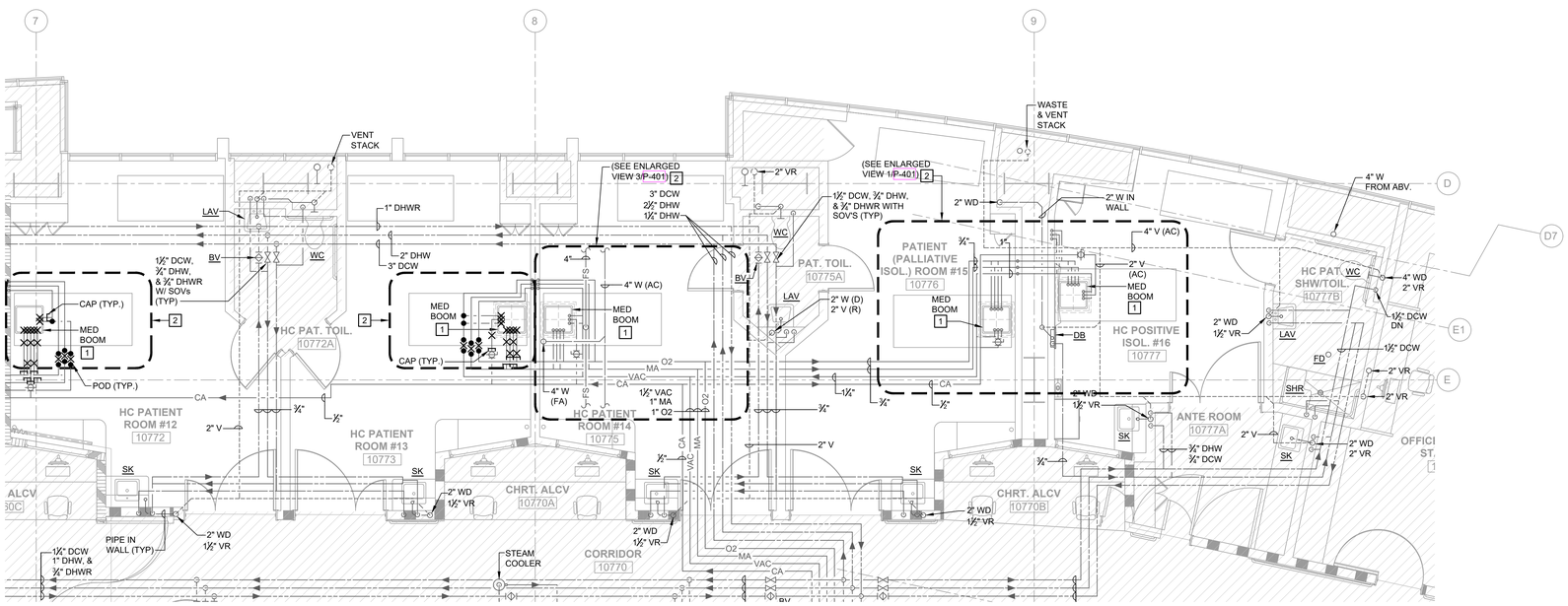
UCDH PROJECT NO.: 9557750
HCAI - OSHPD NO.: S250003-34-00
BUILDING: BLDG-01445
FLOOR: W/NG 10TH FLOOR
PROJECT TITLE: **DT10 PICU CEILING TILE & BOOM REPLACEMENT**
SHEET TITLE: **LEVEL 10 PLUMBING DEMOLITION SEGMENTED PLANS**

ARCH./ENGR. Scott Crosby	FD&C JOB NO. 9557750 -L010335	SHEET NO. P-041-A	
UCDMC PROJ. MANAGER Sejal (Sage) Sharma	SCALE As Noted		
DESIGNED BY Scott Crosby	DATE 12/16/24		
DRAWN BY NLC/AM	CAD FILE -	SHEET	OF



2 PLUMBING DEMOLITION PLAN - SEGMENT B

SCALE: 1/4" = 1'-0"



1 PLUMBING DEMOLITION PLAN - SEGMENT C

SCALE: 1/4" = 1'-0"

WALL LEGEND

- NON-RATED PARTITION
- NON-RATED DOUBLE STUD SMOKE PARTITION
- 1 HOUR RATED METAL STUD SMOKE BARRIER
- 1 HOUR RATED METAL STUD FIRE BARRIER
- 1 HOUR RATED SMOKE PARTITION SHAFT WALL
- 1 HOUR RATED FIRE PARTITION METAL STUD WALL
- 2 HOUR RATED FIRE WALL
- 2 HOUR RATED SMOKE BARRIER
- 2 HOUR RATED FIRE BARRIER
- DEMOLISH WALL
- TEMPORARY CONSTRUCTION BARRIER

DEMOLITION SHEET NOTES

1. DEMOLISH MEDICAL GAS LINES AT BOOM LOCATIONS. CUT AND PREPARE PIPING FOR CONNECTION TO NEW MEDICAL GAS BOOM. REFER TO NEW WORK FLOOR PLANS FOR CONTINUATION.

2. CONTRACTOR SHALL FIELD VERIFY AND DEMOLISH THE MINIMAL AMOUNT OF AND MEDICAL GAS AND COMPRESSED AIR PIPING AS NEEDED TO ALLOW FOR A NEW SERVICE VALVE TO BE INSTALLED.
   - A. IF THERE IS INSUFFICIENT SPACE TO ALLOW FOR PROPER VALVE INSTALLATION OF SERVICE VALVE, CONTRACTOR SHALL MODIFY AND EXTEND MEDICAL GAS LINES TO ALLOW FOR NEW SERVICE VALVE INSTALLATION.
   - B. IF THE ROOM HEADWALL GAS LINES ARE FED DIRECTLY FROM THE MAIN MEDICAL GAS BRANCH LINES, RATHER THAN FROM THE BRANCH LINE THAT ALSO SERVES THE MEDICAL GAS BOOM, THE ROOM HEADWALL BRANCH LINES WILL ALSO REQUIRE SERVICE VALVE.
   - C. CAP AT SHUT-OFF FOR THE COMPRESSED AIR PIPING.
   - D. REFER TO DETAIL 1/P-501 FOR VALVE INSTALLATION DIAGRAM.

3. CONTRACTOR SHALL FIELD VERIFY PLUMBING IN THE VICINITY OF THE BOOM BRACING AND ADJUST PLUMBING AS NEEDED TO ACCOMMODATE BOOM BRACING TO STRUCTURE ABOVE. COORDINATE WITH FACILITY FOR ANY FIXTURES FROM THE FLOOR ABOVE THAT MAY BE AFFECTED (IF APPLICABLE).

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
6/26/2025, 2:54:24 PM
S250003-34-00
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

DESIGN PROFESSIONALS OF RECORD:
R&A ENGINEERING SOLUTIONS INC
Mechanical Consultants
601 University Avenue, Suite 255, Sacramento, CA 95825
Tel. (916) 920-5965 Fax. (916) 920-9239
R&A Job Number: TAY14224
PM: SSC Designer/Drafter: NLC/AM

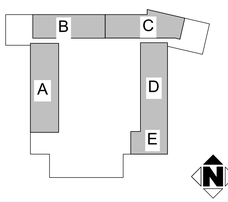
UCDAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
SACRAMENTO, CALIFORNIA 95817
(916)734-7934

TAYLOR design

REV	REVISION DESCRIPTION	DATE

CONST. DOCUMENTS

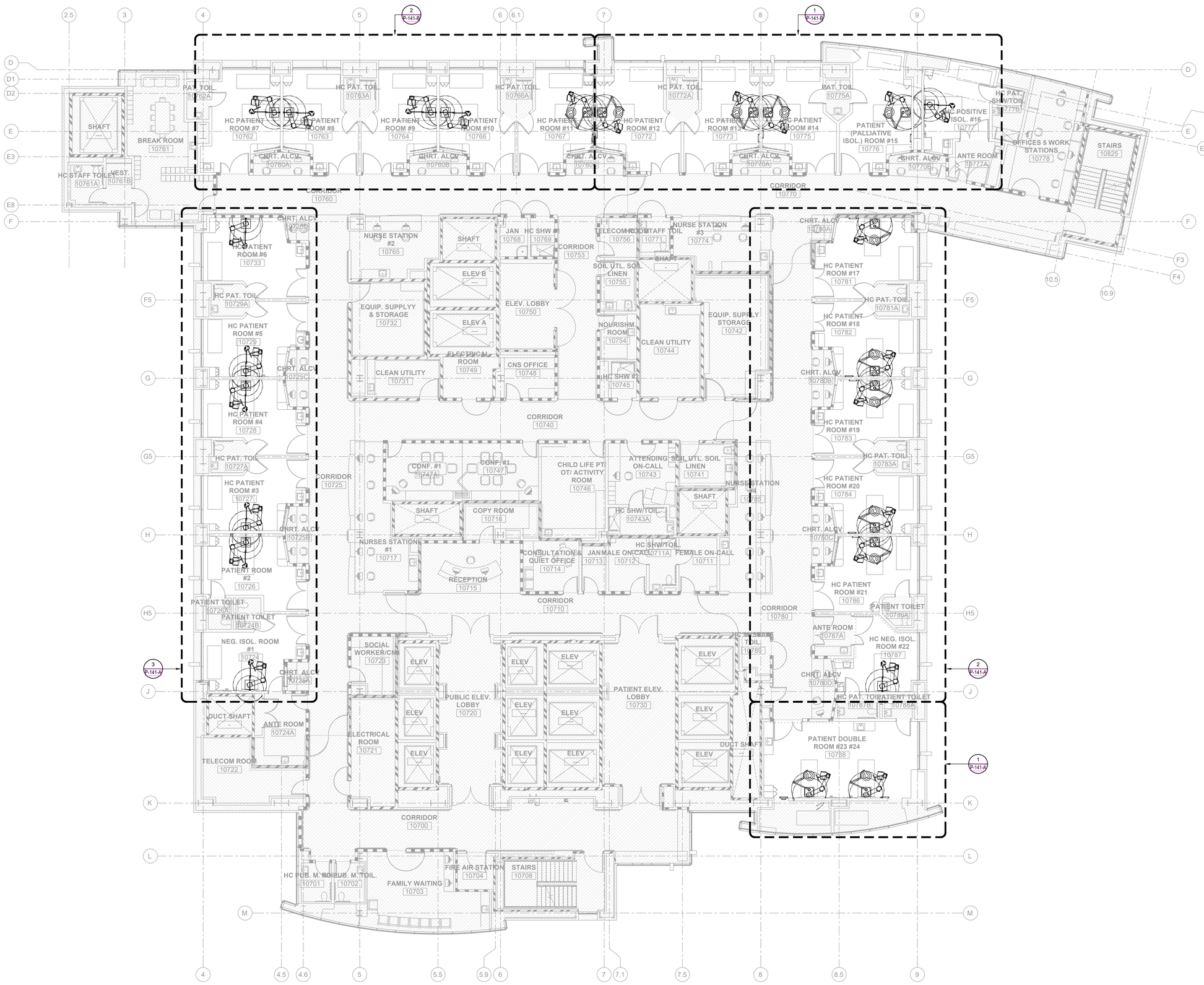
KEYPLAN



TAYLOR design
REVIEWED FOR GENERAL CONFORMANCE (DSA/PS)
This document has been reviewed by other design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state. It has been examined by me for:
1) design intent and appears to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me, and
2) coordination with my plans and specifications and is acceptable for incorporation into the construction of this project.
SIGNATURE PROVIDED PER CAC 7-119
LICENSE NUMBER: C-33036
DATE: 12/16/2024
The Review for General Conformance shall not be construed as relieving me of my rights, duties, and responsibilities under Section 5536.5 of the Health and Safety Code and Sections 7-115.a.(b.), and 8.), 7-124 and 7-125 of Title 24, Part 1.

UCDH PROJECT NO.: 9557750
HCAI - OSHPD NO.: S250003-34-00
BUILDING: BLDG-01445
FLOOR / WING: 10TH FLOOR
PROJECT TITLE: **DT10 PICU CEILING TILE & BOOM REPLACEMENT**
SHEET TITLE: **LEVEL 10 PLUMBING DEMOLITION SEGMENTED PLANS**

ARCH / ENGR.	FD&C JOB NO.	SHEET NO.
Scott Crosby	9557750 -L010335	P-041-B
UCDMC PROJ. MANAGER	SCALE	
Sejal (Sage) Sharma	As Noted	
DESIGNED BY	DATE	
Scott Crosby	12/16/24	
DRAWN BY	CAD FILE	SHEET / OF
NLC/AM	-	



1 LEVEL 10 PLUMBING OVERALL NEW WORK PLAN

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

N

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
6/26/2025, 2:54:24 PM
S250003-34-00
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

DESIGN PROFESSIONALS OF RECORD:

No. M33262 Exp.12/31/25 REGISTERED PROFESSIONAL ENGINEER MECHANICAL STATE OF CALIFORNIA

R&A ENGINEERING SOLUTIONS INC
Mechanical Consultants
601 University Avenue, Suite 255, Sacramento, CA 95825
Tel. (916) 920-5965 Fax. (916) 920-9239
R&A Job Number: TAY14224
PM: SSC Designer/Drafter: NLC/AM

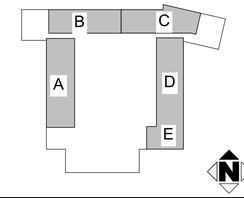
UCDAVIS HEALTH
Facilities Design & Construction
4800 2nd Avenue Suite 3010
Sacramento, California 95817
(916)734-7024

TAYLOR design

REV	REVISION DESCRIPTION	DATE

CONST. DOCUMENTS

KEYPLAN



TAYLOR design
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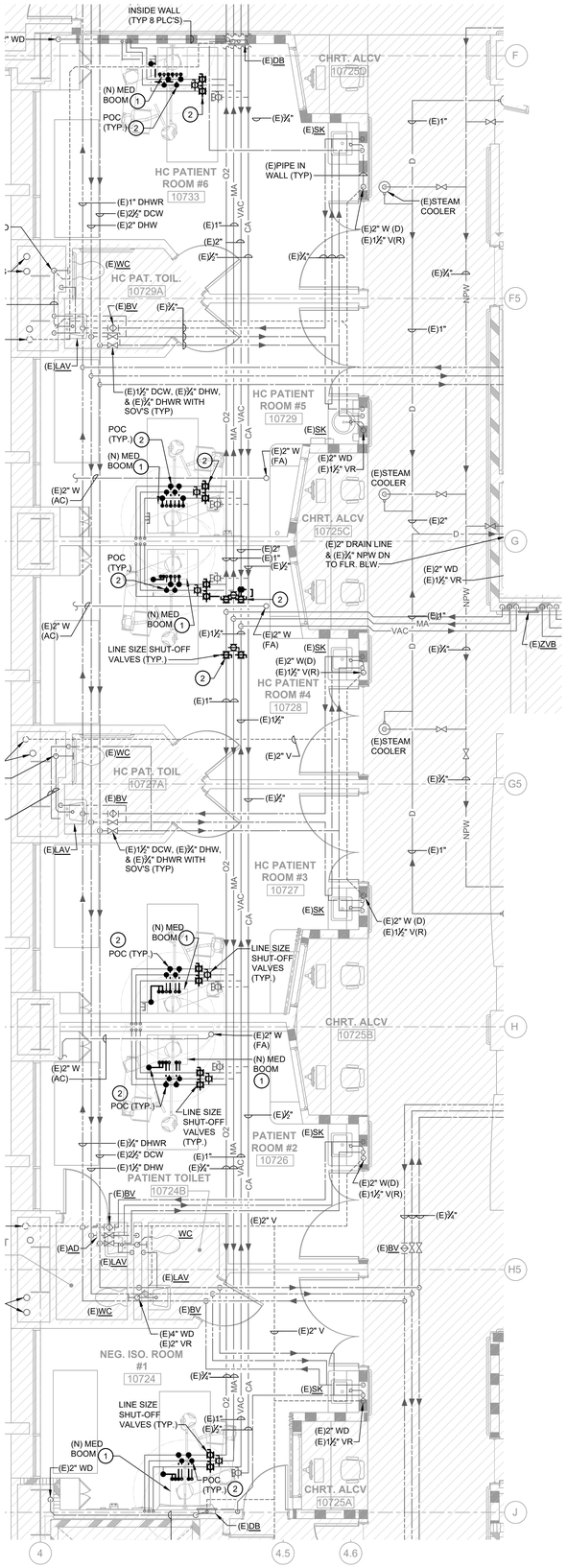
1) design intent and appears to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me, and

2) coordination with my plans and specifications and is acceptable for incorporation into the construction of this project.

SIGNATURE PROVIDED PER CAC 7-119
LICENSE NUMBER: C-33205
DATE: 12/18/2024
This Statement of General Conformance shall not be construed as relieving any party of its full responsibility for compliance with CCR, Section 129953 of the Health and Safety Code and Sections 7-115.2a.(5), (b), and (c), 7-126 and 7-132 of Title 24, Part 1.

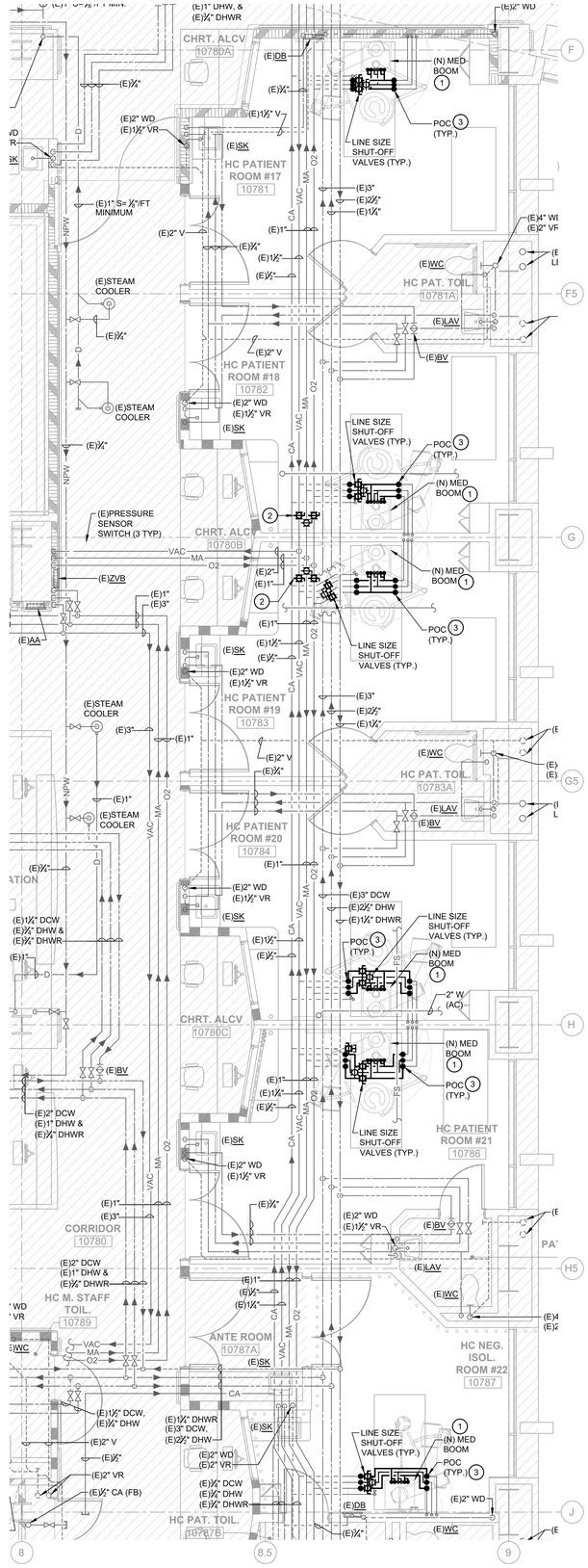
UCDH PROJECT NO.: 9557750
HCAI - OSHPD NO.: S250003-34-00
BUILDING: BLDG-01445
FLOOR / WING: 10TH FLOOR
PROJECT TITLE: DT10 PICU CEILING TILE & BOOM REPLACEMENT
SHEET TITLE: LEVEL 10 PLUMBING OVERALL NEW WORK PLAN

ARCH./ENGR. Scott Crosby	FD&C JOB NO. 9557750 -L010335	SHEET NO. P-121
UCDMC PROJ. MANAGER Sejal (Sage) Sharma	SCALE As Noted	
DESIGNED BY Scott Crosby	DATE 12/16/24	
DRAWN BY NLC/AM	CAD FILE -	SHEET / OF



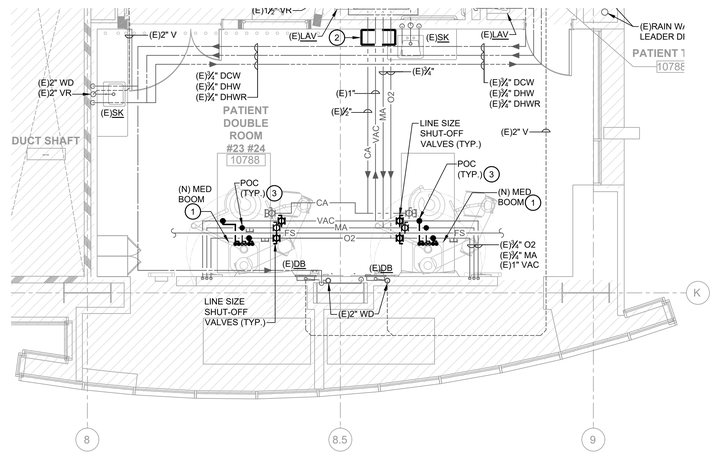
3 PLUMBING NEW WORK PLAN - SEGMENT A

SCALE: 1/4" = 1'-0"



2 PLUMBING NEW WORK PLAN - SEGMENT D

SCALE: 1/4" = 1'-0"



1 PLUMBING NEW WORK PLAN - SEGMENT E

SCALE: 1/4" = 1'-0"

WALL LEGEND

- NON-RATED PARTITION
- NON-RATED DOUBLE STUD SMOKE PARTITION
- 1 HOUR RATED METAL STUD SMOKE BARRIER
- 1 HOUR RATED METAL STUD FIRE BARRIER
- 1 HOUR RATED SMOKE PARTITION SHAFT WALL
- 1 HOUR RATED FIRE PARTITION METAL STUD WALL
- 2 HOUR RATED FIRE WALL
- 2 HOUR RATED SMOKE BARRIER
- 2 HOUR RATED FIRE BARRIER

GENERAL NOTE

1. THE CONTRACTOR SHALL MINIMIZE THE SOLDERING AT NEW PIPE CONNECTIONS WHEREVER POSSIBLE AND INSTEAD USE NFPA 99 AND HCAI APPROVED, LOKRING TECHNOLOGY CONNECTORS. LOKRING IS APPROVED FOR USE ON PIPING UP TO A MAXIMUM OF 2"Ø.
2. THE TOTAL NUMBER OF INDIVIDUAL MED GAS OUTLETS WITHIN EACH SPACE REMAIN UNCHANGED.

NEW WORK SHEET NOTES

(1) POC - NEW MEDICAL GAS PIPING TO EXISTING. EXTEND AND CONNECT AT NEW MEDICAL GAS BOOM. CONNECTION SHALL INCLUDE A LINE SIZE SERVICE VALVE AND DONE IN STRICT COMPLIANCE PER THE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS. REFER TO ARCHITECTURAL PLANS FOR FINAL LOCATION.

THE NEW MEDICAL GAS BOOMS INCLUDE THE FOLLOWING NUMBER OF MEDICAL GAS OUTLETS:

2 - MEDICAL AIR (MA)
2 - OXYGEN (O2)
2 - VACUUM (VAC)

(2) POC - NEW MEDICAL GAS PIPING TO EXISTING. CONTRACTOR SHALL FIELD VERIFY AND INSTALL NEW SERVICE VALVE.

A. IF THE EXISTING ROOM HEADWALL GAS LINES ARE FED DIRECTLY OFF THE MAIN MEDICAL GAS BRANCH LINES, RATHER THAN FROM THE BRANCH LINE THAT ALSO SERVES THE MEDICAL GAS BOOM, THE ROOM HEADWALL BRANCH LINES SHALL ALSO BE PROVIDED A NEW SERVICE VALVE.

B. REFER TO DETAIL 1/P-501 FOR VALVE INSTALLATION DIAGRAM.

(3) POC - NEW MEDICAL GAS PIPING TO EXISTING. NEW PIPING SHALL ROUTE AROUND THE EXISTING PATIENT BED TO AVOID THE NEW MEDICAL GAS & LIGHT BOOM EQUIPMENT AND OTHER CEILING MODIFICATIONS THAT ARE BEING MADE.

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
6/26/2025, 2:54:24 PM
S250003-34-00
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

R&A ENGINEERING SOLUTIONS, INC.
Mechanical Consultants
601 University Avenue, Suite 255, Sacramento, CA 95825
Tel. (916) 920-5965 Fax. (916) 920-9239
R&A Job Number: TAY14224
PM: SSC Designer/Drafter: NLC/AM
DESIGN PROFESSIONALS OF RECORD:

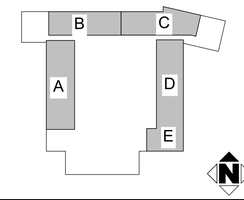
UCDAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
SACRAMENTO, CALIFORNIA 95817
(916)734-7024

TAYLOR design

REV	REVISION DESCRIPTION	DATE

CONST. DOCUMENTS

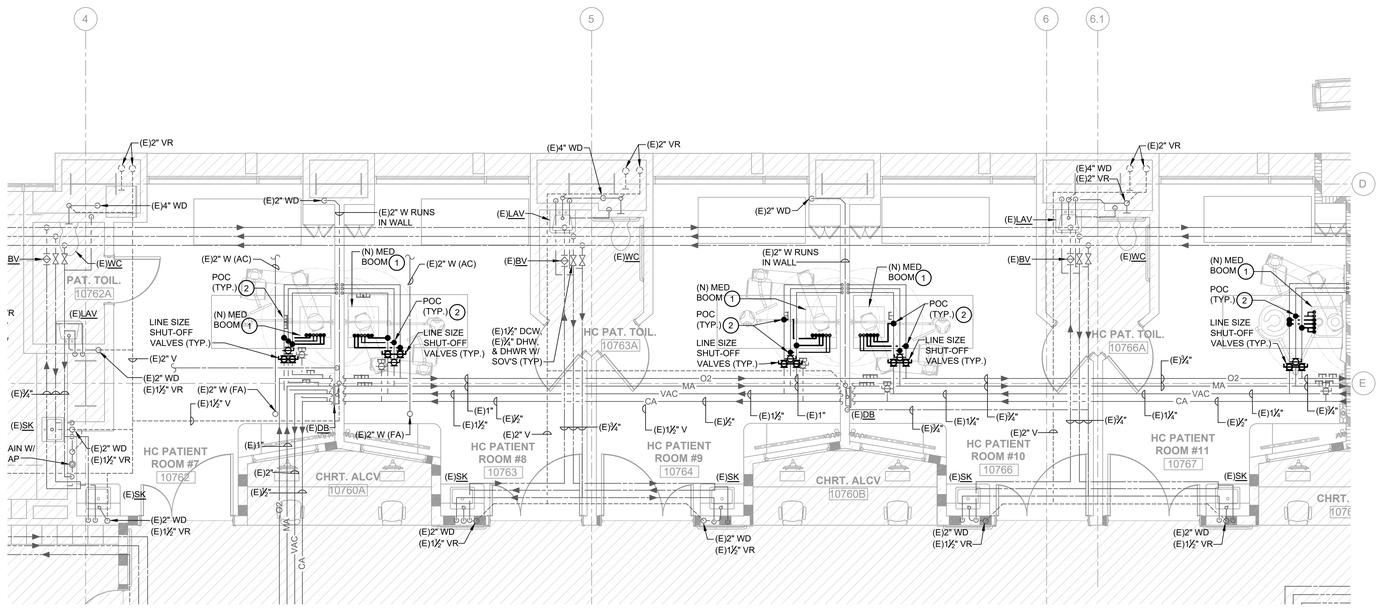
KEYPLAN



TAYLOR design
REVIEWED FOR GENERAL CONFORMANCE (DSA/PS)
This document has been prepared by other design professionals. Taylor design reviews these documents only for general conformance with such drawings in this state. It has been examined by me for:
1) design intent and appears to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me, and
2) coordination with my plans and specifications and is acceptable for incorporation into the construction of this project.
SIGNATURE PROVIDED PER CAC 7-128
LICENSE NUMBER: C-3036
DATE: 12/18/2025
NOTE: DSA/PS Reviewed General Conformance shall not be construed as relieving me of my rights, duties, and responsibilities under Section 129(b) of the Health and Safety Code and Sections 7-315.2a.3), 8b, and c), 7-129, and 7-132 of Title 24, Part 1.

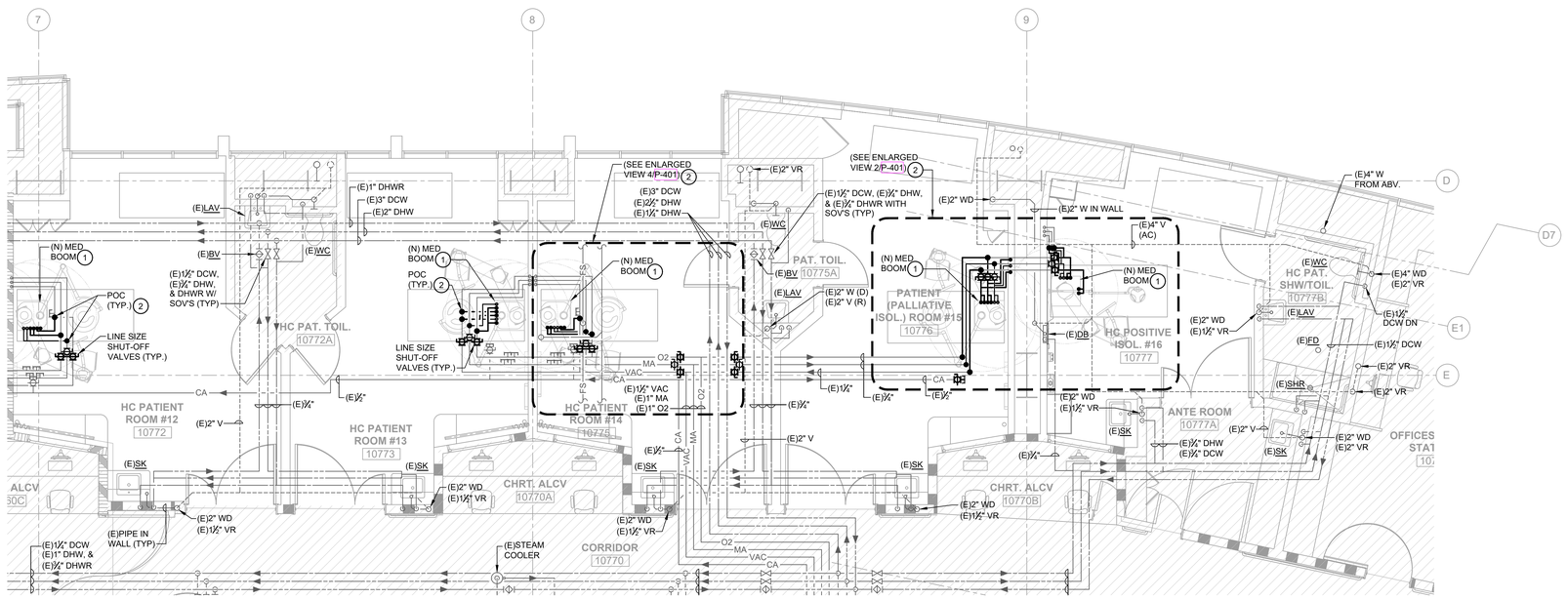
UCDH PROJECT NO.: 9557750
HCAI - OSHPD NO.: S250003-34-00
BUILDING: BLDG-01445
FLOOR: 10TH FLOOR
PROJECT TITLE: DT10 PICU CEILING TILE & BOOM REPLACEMENT
SHEET TITLE: LEVEL 10 PLUMBING NEW WORK SEGMENTED PLANS

ARCH./ENGR.	FD&C JOB NO.	SHEET NO.
Scott Crosby	9557750 -L010335	P-141-A
UCDMC PROJ. MANAGER: Sejal (Sage) Sharma	SCALE: As Noted	
DESIGNED BY: Scott Crosby	DATE: 12/16/24	
DRAWN BY: NLC/AM	CAD FILE: -	SHEET / OF



2 PLUMBING NEW WORK PLAN - SEGMENT B

SCALE: 1/4" = 1'-0"



1 PLUMBING NEW WORK PLAN - SEGMENT C

SCALE: 1/4" = 1'-0"

WALL LEGEND

- NON-RATED PARTITION
- NON-RATED DOUBLE STUD SMOKE PARTITION
- 1 HOUR RATED METAL STUD SMOKE BARRIER
- 1 HOUR RATED METAL STUD FIRE BARRIER
- 1 HOUR RATED SMOKE PARTITION SHAFT WALL
- 1 HOUR RATED FIRE PARTITION METAL STUD WALL
- 2 HOUR RATED FIRE WALL
- 2 HOUR RATED SMOKE BARRIER
- 2 HOUR RATED FIRE BARRIER

GENERAL NOTE

1. THE CONTRACTOR SHALL MINIMIZE THE SOLDERING AT NEW PIPE CONNECTIONS WHEREVER POSSIBLE AND INSTEAD USE NFPA 99 AND HCAI APPROVED, LOKRING TECHNOLOGY CONNECTORS. LOKRING IS APPROVED FOR USE ON PIPING UP TO A MAXIMUM OF 2"Ø.
2. THE TOTAL NUMBER OF INDIVIDUAL MED GAS OUTLETS WITHIN EACH SPACE REMAIN UNCHANGED.

NEW WORK SHEET NOTES

(1) POC - NEW MEDICAL GAS PIPING TO EXISTING. EXTEND AND CONNECT AT NEW MEDICAL GAS BOOM. CONNECTION SHALL INCLUDE A LINE SIZE SERVICE VALVE AND DONE IN STRICT COMPLIANCE PER THE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS. REFER TO ARCHITECTURAL PLANS FOR FINAL LOCATION.

THE NEW MEDICAL GAS BOOMS INCLUDE THE FOLLOWING NUMBER OF MEDICAL GAS OUTLETS:

2 - MEDICAL AIR (MA)
2 - OXYGEN (O2)
2 - VACUUM (VAC)

(2) POC - NEW MEDICAL GAS PIPING TO EXISTING. CONTRACTOR SHALL FIELD VERIFY AND INSTALL NEW SERVICE VALVE.

IF THE EXISTING ROOM HEADWALL GAS LINES ARE FED DIRECTLY OFF THE MAIN MEDICAL GAS BRANCH LINES, RATHER THAN FROM THE BRANCH LINE THAT ALSO SERVES THE MEDICAL GAS BOOM, THE ROOM HEADWALL BRANCH LINES SHALL ALSO BE PROVIDED A NEW SERVICE VALVE.

A. REFER TO DETAIL 1/P-501 FOR VALVE INSTALLATION DIAGRAM.

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
6/26/2025, 2:54:24 PM
S250003-34-00
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

No. M33262 Exp.12/31/25 MECHANICAL STATE OF CALIFORNIA
R&A ENGINEERING SOLUTIONS Mechanical Consultants
601 University Avenue, Suite 255, Sacramento, CA 95825
Tel. (916) 920-5965 Fax. (916) 920-9239
R&A Job Number: TAY14224
PM: SSC Designer/Drafter: NLC/AM
DESIGN PROFESSIONALS OF RECORD:

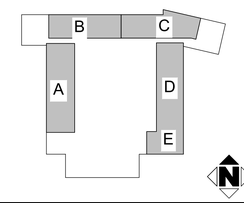
UCDAVIS HEALTH
Facilities Design & Construction
4800 2nd Avenue Suite 3010
Sacramento, California 95817
(916)734-7024

TAYLOR design

REV	REVISION DESCRIPTION	DATE

CONST. DOCUMENTS

KEYPLAN



TAYLOR design
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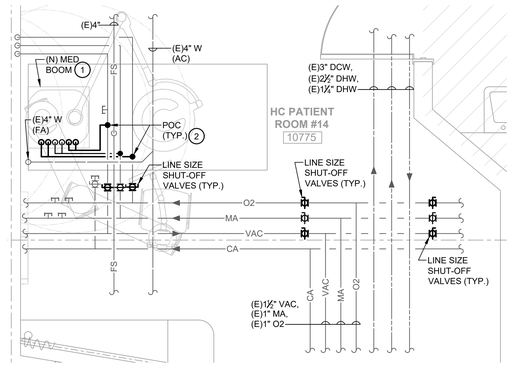
SIGNATURE PROVIDED PER CAC 7-119

LICENSE NUMBER: C-33036
DATE: 12/18/2024

The review for General Conformance shall not be construed as relieving me of my rights, duties, and responsibilities under Section 5536.5 of the Health and Safety Code and Sections 7-115.a.(b.), (c), and (c.) 7-204 and 7-210 of Title 24, Part 1.

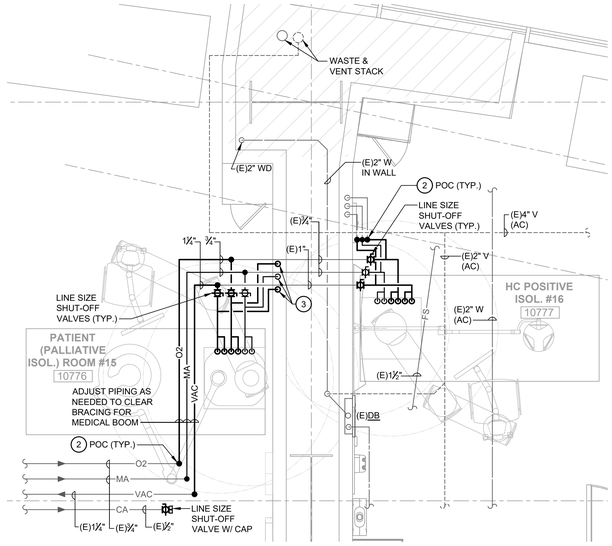
UCDH PROJECT NO.: 9557750
HCAI - OSHPD NO.: S250003-34-00
BUILDING: BLDG-01445
FLOOR LIVING: 10TH FLOOR
PROJECT TITLE: DT10 PICU CEILING TILE & BOOM REPLACEMENT
SHEET TITLE: LEVEL 10 PLUMBING NEW WORK SEGMENTED PLANS

ARCH | ENGR.	FD&C JOB NO.	SHEET NO.
Scott Crosby	9557750 -L010335	P-141-B
UCDMC PROJ. MANAGER: Sejal (Sage) Sharma	SCALE: As Noted	
DESIGNED BY: Scott Crosby	DATE: 12/16/24	
DRAWN BY: NLC/AM	CAD FILE: -	SHEET / OF



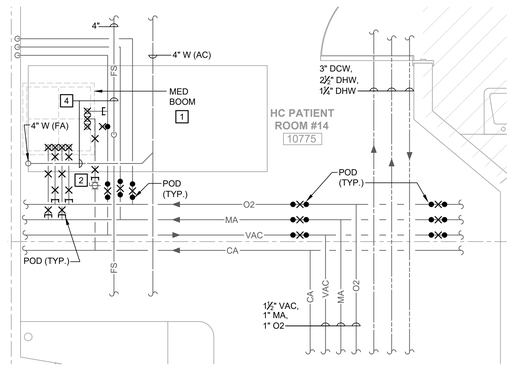
4 PLUMBING NEW WORK PLAN - ROOMS 10775

SCALE: 1/2" = 1'-0"



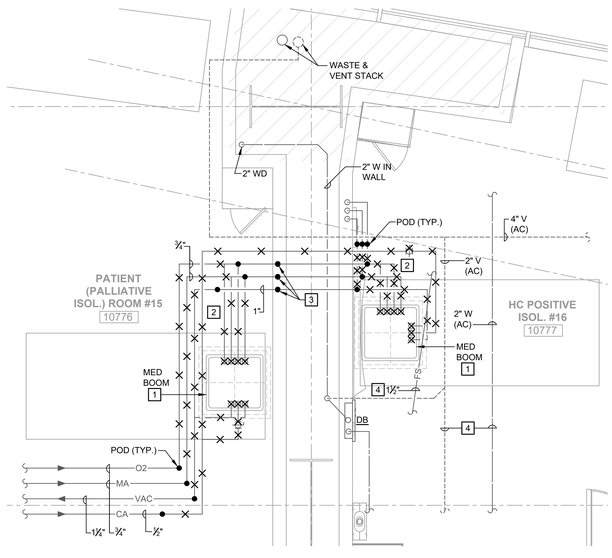
2 PLUMBING NEW WORK PLAN - ROOMS 10776 & 10777

SCALE: 1/2" = 1'-0"



3 PLUMBING DEMOLITION PLAN - ROOMS 10775

SCALE: 1/2" = 1'-0"



1 PLUMBING DEMOLITION PLAN - ROOMS 10776 & 10777

SCALE: 1/2" = 1'-0"

WALL LEGEND

- NON-RATED PARTITION
- NON-RATED DOUBLE STUD SMOKE PARTITION
- 1 HOUR RATED METAL STUD SMOKE BARRIER
- 1 HOUR RATED METAL STUD FIRE BARRIER
- 1 HOUR RATED SMOKE PARTITION SHAFT WALL
- 1 HOUR RATED FIRE PARTITION METAL STUD WALL
- 2 HOUR RATED FIRE WALL
- 2 HOUR RATED SMOKE BARRIER
- 2 HOUR RATED FIRE BARRIER
- DEMOLISH WALL
- TEMPORARY CONSTRUCTION BARRIER

DEMOLITION SHEET NOTES

1. DEMOLISH MEDICAL GAS LINES AT BOOM LOCATIONS. CUT AND PREPARE PIPING FOR CONNECTION TO NEW MEDICAL GAS BOOM. REFER TO NEW WORK FLOOR PLANS FOR CONTINUATION.
2. CONTRACTOR SHALL FIELD VERIFY AND DEMOLISH THE MINIMAL AMOUNT OF AND MEDICAL GAS AND COMPRESSED AIR PIPING AS NEEDED TO ALLOW FOR A NEW SERVICE VALVE TO BE INSTALLED.
   - A. IF THERE IS INSUFFICIENT SPACE TO ALLOW FOR PROPER VALVE INSTALLATION OF SERVICE VALVE, CONTRACTOR SHALL MODIFY AND EXTEND MEDICAL GAS LINES TO ALLOW FOR NEW SERVICE VALVE INSTALLATION.
   - B. IF THE ROOM HEADWALL GAS LINES ARE FED DIRECTLY FROM THE MAIN MEDICAL GAS BRANCH LINES, RATHER THAN FROM THE BRANCH LINE THAT ALSO SERVES THE MEDICAL GAS BOOM, THE ROOM HEADWALL BRANCH LINES WILL ALSO REQUIRE SERVICE VALVE.
   - C. CAP AT SHUT-OFF FOR THE COMPRESSED AIR PIPING.
   - D. REFER TO DETAIL 1/P-501 FOR VALVE INSTALLATION DIAGRAM.
3. CAP MEDICAL GAS TEE FEEDING HEADWALL FROM MEDICAL GAS MAINS GOING THRU WALL.
4. CONTRACTOR SHALL FIELD VERIFY PLUMBING IN THE VICINITY OF THE BOOM BRACING AND ADJUST PLUMBING AS NEEDED TO ACCOMMODATE BOOM BRACING TO STRUCTURE ABOVE. COORDINATE WITH FACILITY FOR ANY FIXTURES FROM THE FLOOR ABOVE THAT MAY BE AFFECTED (IF APPLICABLE).

GENERAL NOTE

1. THE CONTRACTOR SHALL MINIMIZE THE SOLDERING AT NEW PIPE CONNECTIONS WHEREVER POSSIBLE AND INSTEAD USE NFPA 99 AND HCAI APPROVED, LOKRING TECHNOLOGY CONNECTORS. LOKRING IS APPROVED FOR USE ON PIPING UP TO A MAXIMUM OF 2"Ø.
2. THE TOTAL NUMBER OF INDIVIDUAL MED GAS OUTLETS WITHIN EACH SPACE REMAIN UNCHANGED.

NEW WORK SHEET NOTES

1. POC - NEW MEDICAL GAS PIPING TO EXISTING. EXTEND AND CONNECT AT NEW MEDICAL GAS BOOM. CONNECTION SHALL INCLUDE A LINE SIZE SERVICE VALVE AND DONE IN STRICT COMPLIANCE PER THE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS. REFER TO ARCHITECTURAL PLANS FOR FINAL LOCATION.

   THE NEW MEDICAL GAS BOOMS INCLUDE THE FOLLOWING NUMBER OF MEDICAL GAS OUTLETS:

   2 - MEDICAL AIR (MA)
   2 - OXYGEN (O2)
   2 - VACUUM (VAC)

2. POC - NEW MEDICAL GAS PIPING TO EXISTING. CONTRACTOR SHALL FIELD VERIFY AND INSTALL NEW SERVICE VALVE.

   IF THE EXISTING ROOM HEADWALL GAS LINES ARE FED DIRECTLY OFF THE MAIN MEDICAL GAS BRANCH LINES, RATHER THAN FROM THE BRANCH LINE THAT ALSO SERVES THE MEDICAL GAS BOOM, THE ROOM HEADWALL BRANCH LINES SHALL ALSO BE PROVIDED A NEW SERVICE VALVE.

   A. REFER TO DETAIL 1/P-501 FOR VALVE INSTALLATION DIAGRAM.

3. POC - NEW MEDICAL GAS PIPING TO CONNECT TO EXISTING MEDICAL GAS PIPING IN THE WALL THAT FEEDS THE ROOMS HEADWALL GAS OUTLETS (DROPS SHOWN OFFSET FOR CLARITY.)

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
6/26/2025, 2:54:24 PM
S250003-34-00
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED PROFESSIONAL ENGINEER
No. M33262
Exp.12/31/25
MECHANICAL
STATE OF CALIFORNIA

R&A ENGINEERING SOLUTIONS INC
Mechanical Consultants
601 University Avenue, Suite 255, Sacramento, CA 95825
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R&A Job Number: TAY14224
PM: SSC Designer/Drafter: NLC/AM

DESIGN PROFESSIONALS OF RECORD:

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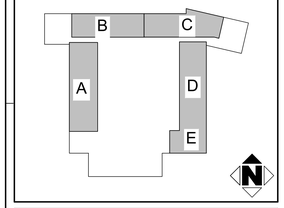
Sacramento, California 95817
(916)734-7024

TAYLOR design

REV	REVISION DESCRIPTION	DATE

CONST. DOCUMENTS

KEYPLAN



TAYLOR design
REVIEWED FOR GENERAL CONFORMANCE (DSA/PS)

This document has been prepared by other design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state. It has been examined by me for:

1) design intent and appears to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me, and

2) coordination with my plans and specifications and is acceptable for incorporation into the construction of this project.

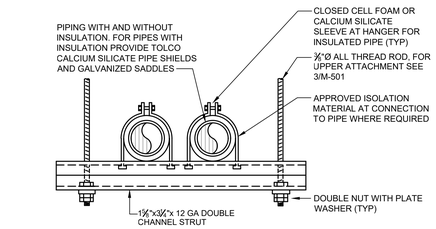
SIGNATURE PROVIDED PER CAC 7-119

LICENSE NUMBER: C-32035
DATE: 12/16/2024

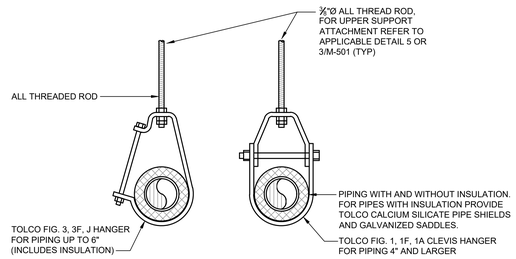
The TAYLOR design General Conformance shall not be construed as relieving me of my rights, duties, and responsibilities under Section 5538(b) of the Health and Safety Code and Sections 7-115.5(a.3), (b), and (c), 7-209 and 7-210 of Title 24, Part 1.

UCDH PROJECT NO: 9557750
HCAI - OSHPD NO.: S250003-34-00
BUILDING: BLDG-01445
FLOOR / WING: 10TH FLOOR
PROJECT TITLE: DT10 PICU CEILING TILE & BOOM REPLACEMENT
SHEET TITLE: LEVEL 10 ENLARGED PLUMBING PLANS

ARCH / ENGR.	FD&C JOB NO.	SHEET NO.
Scott Crosby	9557750 -L010335	P-401
UCDMC PROJ. MANAGER	SCALE	
Sejal (Sage) Sharma	As Noted	
DESIGNED BY	DATE	
Scott Crosby	12/16/24	
DRAWN BY	CAD FILE	SHEET / OF
NLC/AM	-	



OPTION 2



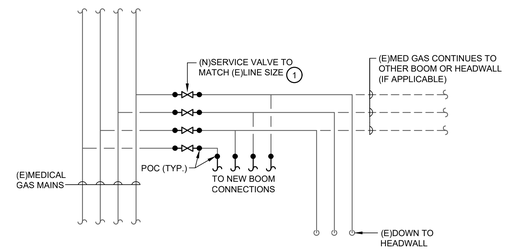
OPTION 1

NOTES:

1. NO BRACING REQUIRED, REFER TO CBC 1617A1.26 ;
   A. TRAPEZE ASSEMBLIES WITH ½" OR ⅝" DIA. ROD HANGERS NOT EXCEEDING 12" IN LENGTH FROM THE PIPE SUPPORT POINT TO THE CONNECTION AT THE SUPPORTING STRUCTURE, DO NOT SUPPORT PIPING WITH Ip GREATER THAN 1.0, AND NO SINGLE PIPE EXCEEDS 2" DIA. AND TOTAL WEIGHT SUPPORTED BY SINGLE TRAPEZE IS 100 LBS OR LESS.
   B. PROVISION MADE TO AVOID IMPACT WITH STRUCTURAL OR NON-STRUCTURAL COMPONENTS OR TO PROTECT THE PIPING IN THE EVENT OF SUCH IMPACT, THE PIPE IS SUPPORTED BY INDIVIDUAL ROD HANGER ⅜" OR ½" DIA. WHERE EACH HANGER IN THE PIPE RUN IS 12" OR LESS IN LENGTH FROM THE PIPE SUPPORT POINT TO THE CONNECTION AT THE SUPPORTING STRUCTURE, AND THE TOTAL WEIGHT SUPPORTED BY ANY SINGLE ROD IS 50 LBS OR LESS. IN ADDITION REFER TO OPM 0043 SHEET A10.5 FOR PIPE SIZE AND SERVICE PIPE LIMITATIONS.
2. WHERE BRACING IS REQUIRED: REFER TO OPM-0043 AND DEFERRED APPROVAL DOCUMENT: PROVIDE GRAVITY SUPPORTS BETWEEN BRACED SUPPORTS TO MEET SUPPORT SPACING REQUIREMENTS. ALL SUPPORT SPACING REQUIREMENTS SHALL COMPLY WITH CMC TABLE 313.3 AND CMC 1109.6 REQUIREMENTS. ALL HANGERS MAY BE INSTALLED UP TO 5 DEGREES OUT OF PLUMB.
3. COORDINATE WITH ELECTRICAL AND CONTROLS CONTRACTOR FOR SUPPORT OF CONDUITS WITHIN TRAPEZE HANGERS.
4. DOUBLE NUTS REQUIRED AT TOP & BOTTOM OF HANGER RODS (TYP).
5. ALL SUPPORT MATERIALS SHALL BE GALVANIZED. NO SLOTTED STRUT ALLOWED.
6. FOR INFORMATION NOT SHOWN REFER TO "OPM 0043-13" (TYP).

2 NON-SEISMIC PIPE HANGER SUPPORT DETAILS

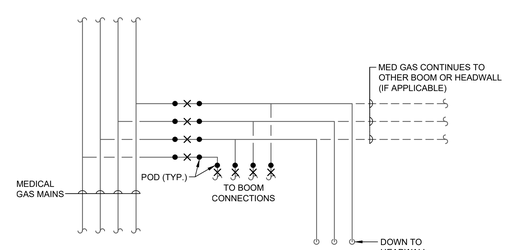
SCALE: NONE



NOTE:

1 INSTALL SERVICE VALVES IN BRANCH SECTION BETWEEN MAIN LINES PRIOR TO ANY BRANCHES AS FIELD CONDITION AND ACCESS PERMITS.

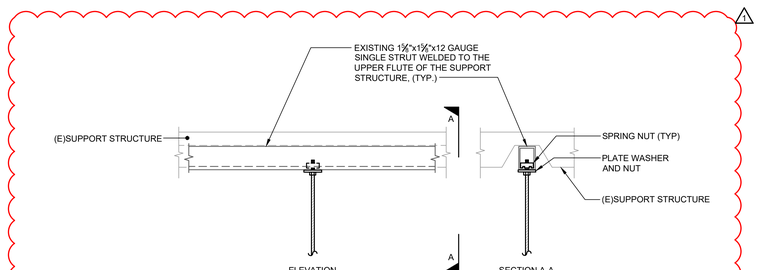
GENERAL CONDITION FOR NEW WORK



GENERAL CONDITION FOR DEMOLITION WORK

1 MEDICAL GAS VALVE INSTALLATION DIAGRAM

SCALE: NONE



NOTES:

1. REFER TO INDIVIDUAL SUPPORT HANGER DETAILS FOR LIMITATION AND MAXIMUM WEIGHT OF DISTRIBUTED SYSTEMS.
2. ALL HANGERS MAY BE INSTALLED UP TO 5 DEGREES OUT-OF-PLUMB. MINIMUM SPACING FROM ANY OTHER ADJACENT HANGER, SPLAY OR SUPPORT ROD SHALL BE 12".
3. ORIGINAL CONSTRUCTION HAS WELDED 1⅝" STRUT TO THE RECESSED PART OF THE CONCRETE FILLED METAL DECKING AT 24" OC. MINIMUM LOAD RATING FOR STRUT POINT LOAD = 200# PER (E) DWGS SEE REFERENCE DETAIL

3 UPPER ATTACHMENT DETAILS

SCALE: NONE

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
6/26/2025, 2:54:24 PM
S250003-34-00
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED PROFESSIONAL ENGINEER — ANTHONY P. CRESPO — No. M33262 Exp.12/31/25 — MECHANICAL — STATE OF CALIFORNIA

R&A ENGINEERING SOLUTIONS INC
Mechanical Consultants
601 University Avenue, Suite 255, Sacramento, CA 95825
Tel. (916) 920-5965 Fax. (916) 920-9239

R&A Job Number: TAY14224
PM: SSC Designer/Drafter: NLC/AM

DESIGN PROFESSIONALS OF RECORD:

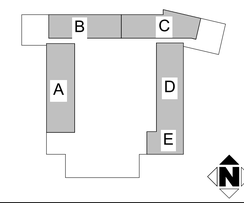
UCDAVIS HEALTH
Facilities Design & Construction
4800 2nd Avenue Suite 3010
Sacramento, California 95817
(916)734-7024

TAYLOR design

REV	REVISION DESCRIPTION	DATE
1	HCAI BACK CHECK 1	03/XX/25

CONST. DOCUMENTS

KEYPLAN



TAYLOR design
REVIEWED FOR GENERAL CONFORMANCE (DSA/PD)
This document has been prepared by other design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state. It has been examined by me for:
1) design intent and appears to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me, and
2) coordination with my plans and specifications and is acceptable for incorporation into the construction of this project.
SIGNATURE PROVIDED PER CAC 7-119
LICENSE NUMBER: C-33056
DATE: 03/26/2025
The review for General Conformance shall not be construed as relieving me of my rights, duties, and responsibilities under Section 5538(b) of the Health and Safety Code and Sections 7-115.(a.3), (b), and (c), 7-129 and 7-132 of Title 24, Part 1.

ARCHITECT PROJECT NO.: 6382.100
HCAI - OSHPD NO.: TBD
BUILDING: 01445
FLOOR / WING: FLOOR
PROJECT TITLE: UCDMC PICU BOOM REPLACEMENT
SHEET TITLE: PLUMBING DETAILS

ARCH / ENGR.	FD&C JOB NO.	SHEET NO.
Scott Crosby	9557750 -L010335	P-501
UCDMC PROJ. MANAGER	SCALE	
Sejal (Sage) Sharma	As Noted	
DESIGNED BY	DATE	
Scott Crosby	12/16/24	
DRAWN BY	CAD FILE	SHEET / OF
NLC/AM	-	

SHEET INDEX

M-001	MECHANICAL LEGEND, NOTES AND SHEET INDEX
M-021	LEVEL 10 MECHANICAL OVERALL PLAN
M-031	LEVEL 10 MECHANICAL AIR BALANCE PRECAUTIONS PLAN
M-041-A	LEVEL 10 MECHANICAL DEMOLITION SEGMENTED PLANS
M-041-B	LEVEL 10 MECHANICAL DEMOLITION SEGMENTED PLANS
M-141-A	LEVEL 10 MECHANICAL NEW WORK SEGMENTED PLANS

1 SHEET REMOVED

GENERAL NOTES

1. CONTRACTOR SHALL VISIT SITE TO REVIEW SCOPE OF WORK PRIOR TO SUBMISSION OF BID.
2. DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED TO DETERMINE EXACT PLACEMENT OF NEW WORK. VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD BEFORE PROCEEDING WITH WORK. EXACT PLACEMENT SHALL BE COORDINATED BASED ON ACTUAL FIELD MEASUREMENTS AND CONDITIONS.
3. COORDINATE REQUIREMENTS OF NEW WORK WITH OTHER TRADES AND PROVIDE ALL NECESSARY APPURTENANCES AND INCIDENTAL LABOR, INCLUDING PARTS AND ACCESSORIES, CONNECTIONS, SYSTEM START-UP AND TESTING AS REQUIRED TO ACHIEVE A COMPLETE FULLY FUNCTIONING INSTALLATION READY FOR OPERATION.
4. PRIOR TO FABRICATION, CONTRACTOR SHALL PREPARE FULLY COORDINATED DETAILED SHOP DRAWINGS (DRAWN TO SCALE) OF ALL PROJECT WORK AND SUBMIT TO THE OWNER'S REPRESENTATIVE FOR REVIEW AND APPROVAL. SHOP DRAWINGS SHALL INCLUDE DETAILED PLAN VIEW LAYOUTS (1/4" SCALE MINIMUM) SHOWING EQUIPMENT, DUCTWORK AND PIPING WITH DUCT AND PIPE SIZES AND ELEVATIONS ABOVE FINISHED FLOOR. COORDINATE WORK WITH OTHER TRADES AS REQUIRED TO ACHIEVE INTENDED ARCHITECTURAL ELEVATIONS.
5. AVOID ROUTING PIPING ABOVE ELECTRICAL EQUIPMENT AND CABLE TRAYS. WHERE INSTALLATION OF PIPING ABOVE ELECTRICAL EQUIPMENT OR CABLE TRAYS IS UNAVOIDABLE, INSTALL PIPING WITH A MINIMUM NUMBER OF JOINTS. JOINTS, FITTINGS, VALVES OR SIMILAR COMPONENTS SHALL BE LOCATED A MINIMUM OF 36 INCHES FROM EACH SIDE OF EQUIPMENT OR TRAY. PROVIDE DRIP PAN(S) WITH MOISTURE DETECTION ABOVE CRITICAL EQUIPMENT.
6. ALL WORK SHALL COMPLY WITH THE CALIFORNIA CODE OF REGULATIONS, TITLE 24 (2022 EDITION), INCLUDING THE CALIFORNIA BUILDING CODE (CBC), CALIFORNIA MECHANICAL CODE (CMC), CALIFORNIA PLUMBING CODE (CPC), CALIFORNIA FIRE CODE (CFC), CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA ENERGY CODE AND CALIFORNIA ELECTRICAL CODE.
7. ALL WORK MUST BE PERFORMED IN ACCORDANCE WITH THE GENERAL CONDITIONS OF THE PRIME CONTRACT.
8. CONSTRUCTION SHALL BE ORGANIZED IN SUCH A MANNER AS TO MINIMIZE DISRUPTION TO FACILITY OPERATIONS AND DISTURBANCE OF OCCUPANTS. NOTIFY OWNER'S REPRESENTATIVE A MINIMUM OF 48 HOURS IN ADVANCE OF ANY REQUIRED SYSTEM SHUTDOWNS, DISTURBANCE OF OR ENCROACHMENT INTO OCCUPIED AREAS. PERFORM ACTIVITIES SUCH AS MASONRY DRILLING AND SAWCUTTING ONLY DURING DESIGNATED HOURS; DAMPEN NOISE AND VIBRATION TRANSMITTED TO OCCUPIED AREAS TO THE GREATEST EXTENT POSSIBLE. MAINTAIN EGRESS FROM OCCUPIED AREAS AT ALL TIMES. DO NOT OBSTRUCT OR OTHERWISE IMPEDE PEDESTRIAN OR VEHICULAR TRAFFICWAYS CRITICAL TO THE ONGOING OPERATION OF THE FACILITY.
9. CONTRACTOR SHALL COMPLY WITH THE FACILITY'S POLICIES AND PROCEDURES REGARDING CONTAINMENT /ISOLATION OF CONSTRUCTION AREAS AND ACTIVITIES THROUGHOUT CONSTRUCTION OF THE PROJECT. PROVIDE DUST PROTECTION, CONSTRUCTION BARRIERS, AND /OR FILTRATION ON HVAC SYSTEM INLETS AS REQUIRED TO PROTECT OCCUPIED AREAS AND AFFECTED HVAC SYSTEMS FROM CONTAMINATION BY AIRBORNE POLLUTANTS (INCLUDING DUST, SMOKE, FUMES AND ODORS) GENERATED BY CONSTRUCTION ACTIVITIES.
10. MEANS, METHODS AND TIMING OF WORK SHALL BE COORDINATED WITH AND APPROVED BY THE OWNER'S REPRESENTATIVE INSOFAR AS THEY AFFECT FACILITY OPERATIONS. MEANS AND METHODS ARE STILL SUBJECT TO ACCEPTANCE BY THE AUTHORITY HAVING JURISDICTION AND MUST COMPLY WITH DESIGN AND CODE INTENT.
11. PRE-APPROVED PIPES, DUCTS, AND CONDUITS SEISMIC BRACING
    A. THE CONTRACTOR SHALL PROVIDE LAYOUT DRAWINGS OF THE SUPPORTS, ATTACHMENTS, AND BRACING SYSTEMS IN ACCORDANCE WITH THE SELECTED HCAI PRE-APPROVED SYSTEM AND 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 SATISFY THE REQUIREMENTS OF ASCE 7 SECTION 13.6 AS MODIFIED BY THE CBC 2022 SECTION 1617A.
        a) THE STRUCTURAL ENGINEER OF RECORD (SEOR) SHALL VERIFY THAT THE SUPPORTING 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 OTHER LOADS.
        b) THE SEOR SHALL FORWARD THE SUPPORTS, ATTACHMENTS, AND BRACING DRAWINGS (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 PRE-APPROVAL AND THE DESIGN OF THE PROJECT.
        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 HCAI DISTRICT STRUCTURAL ENGINEER.
    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.
        a) THE SUPPLEMENTARY FRAMING SHALL BE SUBMITTED TO HCAI AS AN AMENDED CONSTRUCTION DOCUMENTS (ACD).
    C. THE LAYOUT DRAWINGS (WITH THE SHOP DRAWING STAMP) SHALL BE SUBMITTED TO HCAI TO REVIEW:
        a) STRUCTURE SUPPORTING THE DISTRIBUTION SYSTEM HAS ADEQUATE CAPACITY.
        b) SEISMIC DESIGN FORCES (FP) ARE IN ACCORDANCE WITH THE CBC 2022.
        c) VERIFY THAT SUBMITTAL IS WITHIN THE SCOPE OF HCAI PREAPPROVAL OF MANUFACTURER'S CERTIFICATION (OPM).
12. REFER TO STRUCTURAL DRAWINGS FOR SEISMIC CRITERIA.
13. THE EQUIPMENT MANUFACTURERS AND MODELS SPECIFIED ON THE DRAWINGS SERVE AS THE BASIS OF DESIGN. NO SUBSTITUTIONS OF ANY EQUIPMENT ARE ALLOWED WITHOUT FIRST OBTAINING APPROVAL FROM THE OWNER'S REPRESENTATIVE. ANY PROPOSED SUBSTITUTIONS MUST BE FROM ONE OF THE ALTERNATE MANUFACTURERS LISTED IN THE SPECIFICATIONS; MUST MATCH THE PHYSICAL CONFIGURATION AND REQUIREMENTS OF THE SPECIFIED MODEL INCLUDING OVERALL DIMENSIONS, INLET AND OUTLET CONFIGURATION, REQUIRED CLEARANCES, ACCESS AND POWER REQUIREMENTS; AND MUST MEET SEISMIC CERTIFICATION REQUIREMENTS WHERE MANDATED BY THE AUTHORITY HAVING JURISDICTION. PERFORMANCE FEATURES AND CONSTRUCTION OF ANY PROPOSED SUBSTITUTION SHALL MEET OR EXCEED THOSE SPECIFIED ON THE DRAWINGS AND IN THE SPECIFICATIONS. STRUCTURAL ENGINEERING CALCULATIONS FOR EQUIPMENT SUPPORT AND ANCHORAGE SHALL BE SUBMITTED BY THE CONTRACTOR AT THE TIME OF SUBMITTAL OF ANY SUBSTITUTION FOR REVIEW BY THE ARCHITECT, MECHANICAL AND STRUCTURAL ENGINEERS OF RECORD, AND HCAI FIELD PERSONNEL. SUBSTITUTIONS REQUIRING CHANGES TO THE CONTRACT DOCUMENTS BY MEANS OF A CHANGE ORDER ARE NOT ALLOWED.
14. WHERE EXISTING UTILITIES NOT SHOWN ON THE DRAWINGS ARE ENCOUNTERED, NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY. SUPPORT AND PROTECT UTILITIES UNTIL PROVISIONS CAN BE MADE FOR RELOCATION OR OTHER SOLUTION.
15. CUTTING AND DEMOLITION WORK SHALL NOT COMPROMISE STRUCTURAL INTEGRITY OF THE EXISTING CONSTRUCTION OR DAMAGE PORTIONS OF EXISTING WORK TO REMAIN.
16. OWNER RESERVES THE RIGHT TO RETAIN ALL MATERIALS AND EQUIPMENT REMOVED FROM THE PROJECT. ANY ITEMS OR MATERIALS NOT DESIRED BY THE OWNER SHALL BE REMOVED FROM THE OWNER'S PROPERTY BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
17. COORDINATE METHOD, ROUTE AND TIMING OF MATERIAL AND DEBRIS REMOVAL WITH OWNER'S REPRESENTATIVE PRIOR TO ANY REMOVAL.
18. PATCH AND REPAIR ANY DAMAGE TO WALLS, FLOORS, CEILINGS, CABINETS, HARDWARE, WINDOWS, FIXTURES, ETC. RESULTING FROM PROJECT WORK. REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR DRYWALL AND FINISH PATCHWORK AND REPAIR REQUIREMENTS. MATCH EXISTING FINISHES AS CLOSELY AS POSSIBLE UNLESS NOTED OTHERWISE. PATCHES AND REPAIRS SHALL RESTORE FINISH TO "LIKE NEW" CONDITION.
19. SEAL AND PROTECT ALL PIPE, DUCT AND CONDUIT PENETRATIONS OF FLOORS, WALLS, CEILINGS AND ROOF. METHODS AND MATERIALS USED FOR TREATMENT OF PENETRATIONS THROUGH RATED ASSEMBLIES SHALL BE U.L. AND FIRE MARSHAL APPROVED.
20. ALL LOCATIONS FOR SAW-CUTTING OF CONCRETE SLABS, CORING OF CONCRETE SURFACES, DRILLING FOR ANCHOR BOLTS, ETC. SHALL BE COORDINATED WITH AND APPROVED BY A CALIFORNIA LICENSED STRUCTURAL ENGINEER PRIOR TO COMMENCING WORK.
21. ALL ROOFING AND FLASHING ELEMENTS SHOWN ON THESE DRAWINGS ARE FOR REFERENCE ONLY. CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS FOR ALL ROOFING AND FLASHING DETAILS.
22. CONTRACTOR MAY SUBSTITUTE NEW ROUND OR RECTANGULAR DUCT SHOWN ON PLANS WITH ROUND OR RECTANGULAR DUCT OF EQUIVALENT OR GREATER CROSS-SECTIONAL AREA. CONTRACTOR TO INDICATE ON SHOP DRAWING SUBMITTAL WHERE SUCH SUBSTITUTIONS OCCUR. CONTRACTOR TO BE RESPONSIBLE FOR RE-ENGINEERING ALL DUCTWORK SUPPORTS FOR SUBSTITUTED DUCTWORK.
23. CONTRACTOR SHALL COORDINATE FINAL THERMOSTAT LOCATIONS WITH OTHER TRADES, INCLUDING ARCHITECTURAL, ELECTRICAL AND FIRE ALARM.
24. CONTRACTOR SHALL LABEL ALL NEW VALVES SEQUENTIALLY USING THE EXISTING FACILITY TAG INVENTORY LIST. USE METAL TAGS. TAGS SHALL BE 2" DIAMETER AND FABRICATED OF BRASS OR STAINLESS STEEL. TAGS SHALL BE ATTACHED WITH JACK CHAIN MADE FROM THE SAME MATERIAL.
25. ALL NEW WASTE PIPING SHALL BE SLOPED UNIFORMLY BETWEEN THE UPPER TERMINAL OF THE WASTE SYSTEM AND/OR SITE PIPING NOT LESS THAN ¼" PER FOOT, UNLESS OTHERWISE NOTED. WHERE SLOPES LESS THAN ¼" PER FOOT ARE INDICATED, THE NEW PIPING SHALL BE SLOPED TO ACHIEVE THE MAXIMUM SLOPE POSSIBLE, BUT NOT LESS THAN INDICATED OR ALLOWED BY CODE.
1 26. NEW PROJECT WORK SHOULD NOT IMPACT THE EXISTING MECHANICAL DUCTING DISTRIBUTION. ANY REQUIRED MODIFICATIONS REQUIRED TO FACILITATE CONSTRUCTION MUST BE DOCUMENTED THROUGH AN ACD DETAILING THE SPECIFIC CONDITION.

HCAI INTENT NOTE

THE INTENT OF THE CONSTRUCTION DOCUMENTS IS TO RECONSTRUCT THE HOSPITAL BUILDING IN ACCORDANCE WITH THE 2022 CBC. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE APPROVED CONSTRUCTION DOCUMENTS, WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH THE 2022 CBC, AMENDED CONSTRUCTION DOCUMENTS (ACDs) DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY HCAI BEFORE PROCEEDING WITH THE WORK.

MECHANICAL LEGEND

ABBREVIATIONS

AC	ABOVE CEILING	FCU	FAN COIL UNIT	MBH	1,000 BRITISH THERMAL UNITS PER HOUR	RPM	REVOLUTIONS PER MINUTE
AD	ACCESS DOOR	FD	FIRE DAMPER	MCC	MOTOR CONTROL CENTER	RS	REFRIGERANT SUCTION
AFF	ABOVE FINISHED FLOOR	FLR	FLOOR	MD	MOTORIZED DAMPER	RTS	REFER TO SPECIFICATIONS
AHU	AIR HANDLING UNIT	FPM	FEET PER MINUTE	MFR	MANUFACTURER		
ARCH	ARCHITECT	FS	FLOW SWITCH	MIN	MINIMUM	SA	SUPPLY AIR
		FSD	FIRE SMOKE DAMPER	MISC	MISCELLANEOUS	SCD	SECONDARY CONDENSATE DRAIN
BHP	BRAKE HORSEPOWER	FT	FEET	MPR	MEDIUM PRESSURE CONDENSATE RETURN	SCH	SCHEDULE
BOD	BOTTOM OF DUCT					SD	SMOKE DETECTOR
BOP	BOTTOM OF PIPE	GPH	GALLONS PER HOUR	MPS	MEDIUM PRESSURE STEAM, 16-59 PSIG	SF	SUPPLY FAN
BTUH	BRITISH THERMAL UNIT PER HOUR	GPM	GALLONS PER MINUTE	MVD	MANUAL VOLUME DAMPER	SHT	SHEET
BV	BUTTERFLY VALVE					SHWP	SECONDARY HOT WATER PUMP
		HC	HEATING COIL			SM	SHEET METAL
CA	COMPRESSED AIR	HEX	HEAT EXCHANGER	(N)	NEW	SQ FT	SQUARE FOOT
CAV	CONSTANT AIR VOLUME	HP	HORSEPOWER	NC	NORMALLY CLOSED	SS, SST	STAINLESS STEEL
CD	CONDENSATE DRAIN	HPR	HIGH PRESSURE CONDENSATE RETURN	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION	TA	TO ABOVE
CFM	CUBIC FEET PER MINUTE					TB	TO BELOW
CHWP	CHILLED WATER PUMP	HPS	HIGH PRESSURE STEAM, ABOVE 60 PSIG	NIC	NOT IN CONTRACT	TE	TERMINAL EXHAUST
CHWR	CHILLED WATER RETURN			NO	NORMALLY OPEN	TR	TERMINAL RETURN
CHWS	CHILLED WATER SUPPLY	HRP	HEAT RECOVERY PUMP	NTS	NOT TO SCALE	TS	TERMINAL SUPPLY
CU	CONDENSING UNIT	HRR	HEAT RECOVERY RETURN			TSTAT	THERMOSTAT
CWP	CONDENSER WATER PUMP	HRS	HEAT RECOVERY SUPPLY	OA	OUTSIDE AIR	TH	THERMOMETER
CWR	CONDENSER WATER RETURN	HVAC	HEATING VENTILATION & AIR CONDITIONING	OC	ON CENTER	TP	TRAP PRIMER
CWS	CONDENSER WATER SUPPLY					TSP	TOTAL STATIC PRESSURE
		HWP	HEATING WATER PUMP	PF	PRE FILTER	TYP	TYPICAL
DET	DETAIL	HWR	HEATING WATER RETURN	PH	PHASE		
DIA	DIAMETER	HWS	HEATING WATER SUPPLY	PLBG	PLUMBING	UF	UNDER FLOOR
DN	DOWN			POC	POINT OF CONNECTION	US	UNDER SLAB
DSD	DUCT SMOKE DETECTOR	IWC	INCHES OF WATER COLUMN	POD	POINT OF DISCONNECT	UON	UNLESS OTHERWISE NOTED
DWG	DRAWING			PRV	PRESSURE REDUCING VALVE		
		KW	KILOWATTS	PSI	POUNDS PER SQUARE INCH	V	VOLTS
(E)	EXISTING			PSIG	POUNDS PER SQUARE INCH GAUGE	VAV	VARIABLE AIR VOLUME
(ER)	EXISTING RELOCATED	LAT	LEAVING AIR TEMPERATURE			VD	VOLUME DAMPER
EA	EXHAUST AIR	LBS	POUNDS	RA	RETURN AIR	VFD	VARIABLE FREQUENCY DRIVE
EAT	ENTERING AIR TEMPERATURE	LP	LOW PRESSURE	RF	RETURN FAN	VTR	VENT THROUGH ROOF
EF	EXHAUST FAN	LPR	LOW PRESSURE CONDENSATE RETURN	RH	RELATIVE HUMIDITY		
ESP	EXTERNAL STATIC PRESSURE			RHC	REHEAT COIL	WB	WET BULB TEMPERATURE
EWT	ENTERING WATER TEMPERATURE	LPS	LOW PRESSURE STEAM, 5-15 PSIG	RL	REFRIGERANT LIQUID	W/	WITH
		LWT	LEAVING WATER TEMPERATURE	RM	ROOM	W/O	WITHOUT
FA	FROM ABOVE					WT	WEIGHT
FB	FROM BELOW	MAX	MAXIMUM				

DUCTWORK

CEILING GRILLE, DIFFUSER AND REGISTER

- 10x10 S1 / 250f (TYP. 2) — NECK SIZE/ SUPPLY / CFM (NOTE)
- 10x10 R1 / 250f (TYP. 2) — NECK SIZE/ RETURN / CFM (NOTE)
- 10x10 E1 / 250f (TYP. 2) — NECK SIZE/EXHAUST / CFM (NOTE)

SIDEWALL GRILLE, DIFFUSER AND REGISTER

- 10x10 S1 / 250f (TYP. 2) — NECK SIZE/ SUPPLY / CFM (NOTE)
- 10x10 R1 / 250f (TYP. 2) — NECK SIZE/ RETURN / CFM (NOTE)
- 10x10 E1 / 250f (TYP. 2) — NECK SIZE/EXHAUST / CFM (NOTE)

DAMPERS

- BACKDRAFT DAMPER
- VOLUME DAMPER, MANUAL
- FD — FIRE DAMPER
- FSD — FIRE SMOKE DAMPER
- MD — MOTORIZED DAMPER

DUCT AND DUCT FITTINGS

- NEW DUCT
- EXISTING DUCT
- DUCT TO BE DEMOLISHED
- 10"Ø — ROUND DUCT
- 10x10 — RECTANGULAR DUCT
- CAPPED DUCT
- 10x10L — ACOUSTICALLY LINED, OUTSIDE DIMENSIONS
- ROUND AIR DUCT RISE/DROP
- SUPPLY AIR DUCT RISE/DROP
- RETURN AIR DUCT RISE/DROP
- EXHAUST AIR DUCT RISE/DROP
- ROUND AIR DUCT RISER
- SUPPLY AIR DUCT RISER
- RETURN AIR DUCT RISER
- EXHAUST AIR DUCT RISER

DUCT AND DUCT FITTINGS CONTINUED

- TRANSITION (REDUCER) - RECTANGLE TO RECTANGLE
- TRANSITION - RECTANGLE TO ROUND
- MITERED 90° ELBOW WITH TURNING VANES
- RADIUS 90° ELBOW (RECTANGLE OR ROUND)
- BRANCH TAKE-OFF - RECTANGLE MAIN WITH RECTANGULAR BRANCH
- BRANCH TAKE-OFF - ROUND MAIN WITH 45° ROUND BRANCH
- BRANCH TAKE-OFF - RECTANGLE MAIN WITH ROUND BRANCH
- BRANCH TAKE-OFF - ROUND MAIN WITH ROUND BRANCH
- DUCT SPLIT - RECTANGLE MAIN WITH RECTANGULAR BRANCHES
- DUCT SPLIT - ROUND MAIN WITH ROUND BRANCHES

PIPING

PIPES

- NEW PIPE
- EXISTING PIPE
- PIPE TO BE DEMOLISHED
- CD — CONDENSATE DRAIN
- CHWR — CHILLED WATER RETURN
- CHWS — CHILLED WATER SUPPLY
- CWR — CONDENSER WATER RETURN
- CWS — CONDENSER WATER SUPPLY
- FLOW DIRECTION
- HPR — HIGH PRESSURE CONDENSATE RETURN
- HPS — HIGH PRESSURE STEAM ABOVE 60 PSIG
- HRR — HEAT RECOVERY RETURN
- HRS — HEAT RECOVERY SUPPLY
- HWR — HEATING WATER RETURN
- HWS — HEATING WATER SUPPLY
- LPR — LOW PRESSURE CONDENSATE RETURN
- LPS — LOW PRESSURE STEAM 5-15 PSIG
- MPR — MEDIUM PRESSURE CONDENSATE RETURN
- MPS — MEDIUM PRESSURE STEAM 16-59 PSIG

VALVES

- AIR VENT (AUTOMATIC / MANUAL)
- ANGLE VALVE
- AUTOMATIC MOTORIZED VALVE
- BALANCING VALVE
- BALL VALVE

VALVES CONTINUED

- BELLOWS FLEX CONNECTOR
- BRAIDED FLEX CONNECTOR
- BUTTERFLY VALVE
- CONTROL VALVE 2-WAY
- CONTROL VALVE 3-WAY
- CHECK VALVE, DIRECTION
- CIRCUIT SETTER VALVE
- GATE VALVE
- GLOBE VALVE
- PETE'S PLUG
- PRESSURE REDUCING VALVE
- PRESSURE RELIEF VALVE
- SHUT-OFF VALVE
- SOLENOID VALVE
- STEAM TRAP
- STRAINER / WITH DRAIN VALVE AND HOSE END CONNECTION
- TRIPLE DUTY VALVE

PIPE FITTINGS

- PIPE RISE/ELBOW UP
- PIPE DROP/ELBOW DOWN
- PIPE RISE/DROP TOP CONNECTION
- PIPE RISE/DROP BOTTOM CONNECTION
- FLANGE CONNECTION
- UNION CONNECTION
- CAPPED PIPE
- REDUCER

CONTROLS

- AUTOMATIC CONTROL DAMPER (OPPOSED BLADE)
- AUTOMATIC CONTROL DAMPER (PARALLEL BLADE)
- DPS — DIFFERENTIAL PRESSURE SWITCH
- DSD — DUCT SMOKE DETECTOR
- FS — FLOW SWITCH
- H — HUMIDISTAT
- PRESSURE GAUGE
- PS — PRESSURE SWITCH
- SWITCH
- T1 — TEMPERATURE SENSOR
- THERMOMETER
- VFD — VARIABLE FREQUENCY DRIVE
- T — THERMOSTAT WITH 2-1 ZONE

GENERAL

- 1 — NEW WORK SHEET NOTE
- 1 — DEMOLITION SHEET NOTE
- 1 — PHOTO SHEET NOTE
- 1 — AIR BALANCE TAG
- 1 — REVISION DELTA
- EQ / 1 — EQUIPMENT TYPE EQUIPMENT NUMBER
- 1 / M1 — DETAIL NUMBER SHEET NUMBER
- 1 / M1 — SECTION NUMBER SHEET NUMBER
- N — NORTH ARROW
- TS-2101 — TERMINAL UNIT TAG (UNIT # / FLOOR / AHU / FUNCTION)

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
6/26/2025, 2:54:24 PM
S250003-34-00
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

STATE OF CALIFORNIA — REGISTERED PROFESSIONAL ENGINEER — No. M33262 — Exp.12/31/25 — MECHANICAL

R&A ENGINEERING SOLUTIONS INC
Mechanical Consultants
601 University Avenue, Suite 255, Sacramento, CA 95825
Tel. (916) 920-5965 Fax. (916) 920-9239
R&A Job Number: TAY14224
PM: SSC Designer/Drafter: NLC/AM

DESIGN PROFESSIONALS OF RECORD:

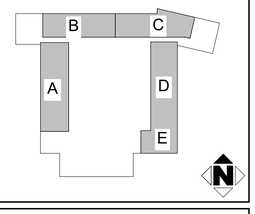
UCDAVIS HEALTH
Facilities Design & Construction
4800 2nd Avenue Suite 2010
Sacramento, California 95817
(916)734-7024

TAYLOR design

REV	REVISION DESCRIPTION	DATE
1	HCAI BACK CHECK 1	03/21/25

CONST. DOCUMENTS

KEYPLAN



TAYLOR design
REVIEWED FOR GENERAL CONFORMANCE
Taylor design

This document has been prepared by other design professionals, or consultants who are licensed and/or authorized to prepare such drawings in this state. It has been examined by me for:

1) design intent and appears to meet the appropriate requirements of the CCR, Title 24, applicable referenced standards and the project specifications prepared by me, and

2) coordination with my plans and specifications and is acceptable for incorporation into the construction of this project.

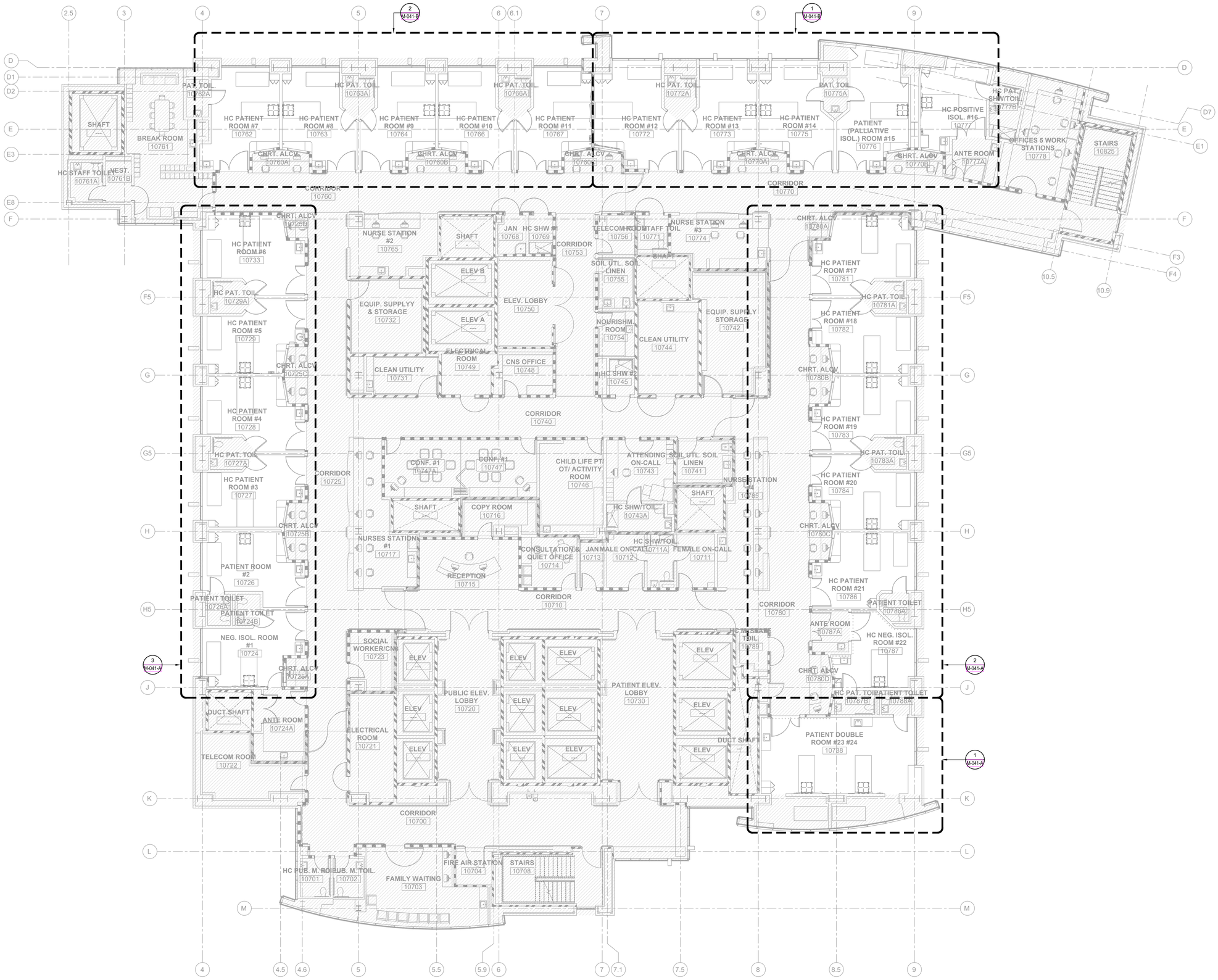
SIGNATURE PROVIDED PER CAC 7-115

LICENSE NUMBER: C-36336
DATE: 03/28/2025

Review for General Conformance shall not be construed as relieving me of my rights, duties, and responsibilities under Section 129805 of the Health and Safety Code and Sections 7-115 (a.3), (b), and (c), 7-129, and 7-132 of Title 24, Part 1.

ARCHITECT PROJECT NO: 6382.100
HCAI - OSHPD NO.: TBD
BUILDING: 01445
FLOOR LVING: FLOOR
PROJECT TITLE: UCDMC PICU BOOM REPLACEMENT
SHEET TITLE: MECHANICAL LEGEND, NOTES AND SHEET INDEX

ARCH \ ENGR. Scott Crosby	FD&C JOB NO. 9557750 -L010335	SHEET NO. M-001	
UCDMC PROJ. MANAGER Sejal (Sage) Sharma	SCALE As Noted		
DESIGNED BY Scott Crosby	DATE 12/16/24		
DRAWN BY NLC/AM	CAD FILE -	SHEET	OF



1 LEVEL 10 MECHANICAL OVERALL PLAN

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

N

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
6/26/2025, 2:54:24 PM
S250003-34-00
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

DESIGN PROFESSIONALS OF RECORD:

R&A ENGINEERING SOLUTIONS INC
Mechanical Consultants
601 University Avenue, Suite 255, Sacramento, CA 95825
Tel. (916) 920-5965 Fax. (916) 920-9239
R&A Job Number: TAY14224
PM: SSC Designer/Drafter: NLC/AM

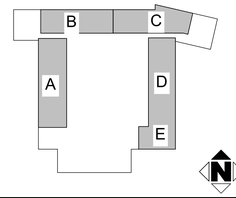
UCDAVIS HEALTH
Facilities Design & Construction
4800 2nd Avenue Suite 3010
Sacramento, California 95817
(916)734-7024

TAYLOR design

REV	REVISION DESCRIPTION	DATE

CONST. DOCUMENTS

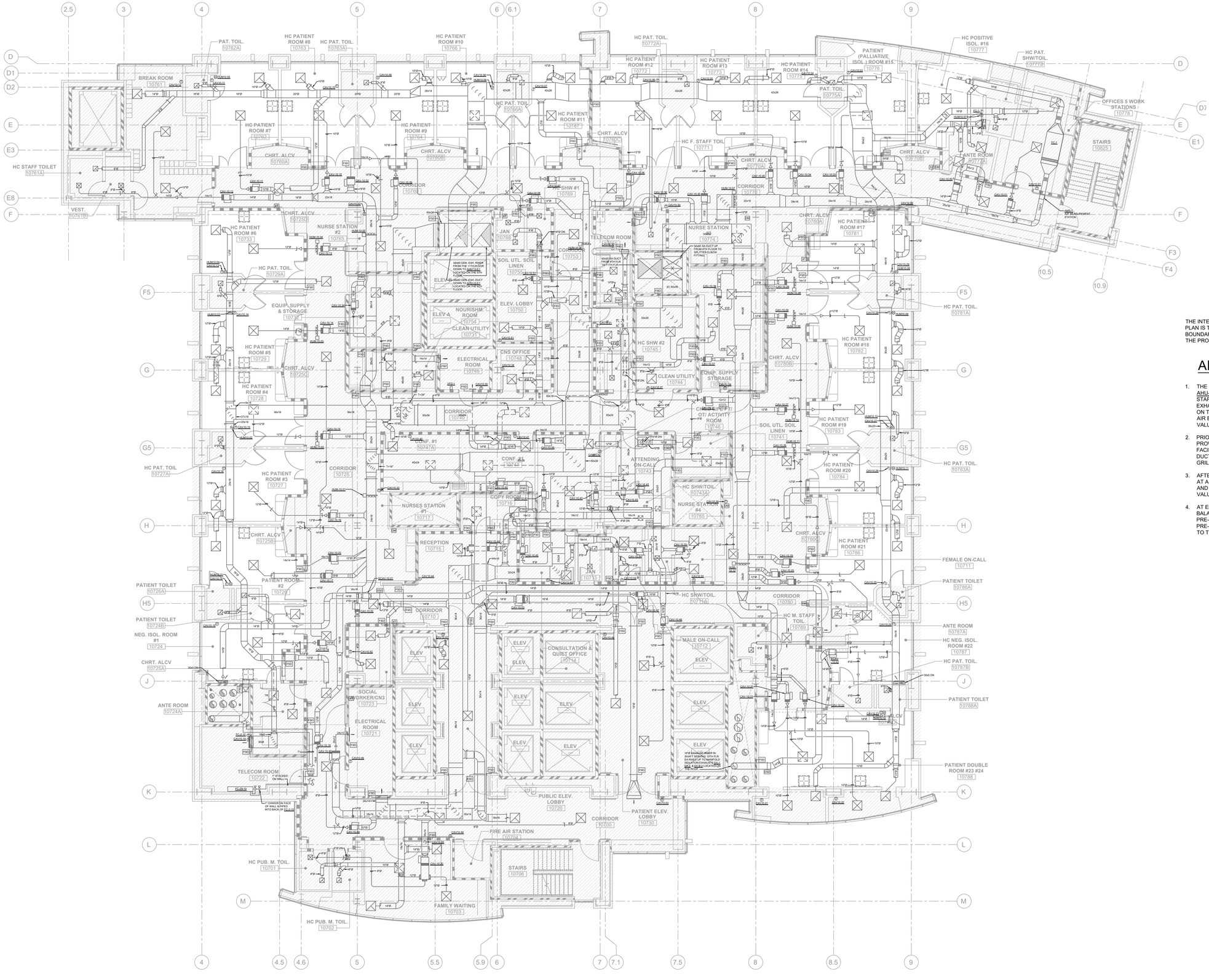
KEYPLAN



TAYLOR design
REVIEWED FOR GENERAL CONFORMANCE (DSA/PS)
This document has been prepared by other design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state. It has been examined by me for:
1) design intent and appears to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me, and
2) coordination with my plans and specifications and is acceptable for incorporation into the construction of this project.
SIGNATURE PROVIDED PER CAC 7-119
LICENSE NUMBER: C-33206
DATE: 12/18/2024
This Statement of General Conformance shall not be construed as relieving any party of its full responsibility for compliance with Section 129953 of the Health and Safety Code and Sections 7-115.5a.(5), (b), and (c), 7-126 and 7-132 of Title 24, Part 1.

UCDH PROJECT NO.: 9557750
HCAI - OSHPD NO.: S250003-34-00
BUILDING: BLDG-01445
FLOOR / WING: 10TH FLOOR
PROJECT TITLE: **DT10 PICU CEILING TILE & BOOM REPLACEMENT**
SHEET TITLE: **LEVEL 10 MECHANICAL OVERALL PLAN**

ARCH / ENGR. Scott Crosby	FD&C JOB NO. 9557750 -L010335	SHEET NO. M-021
UCDMC PROJ. MANAGER Sejal (Sage) Sharma	SCALE As Noted	
DESIGNED BY Scott Crosby	DATE 12/16/24	
DRAWN BY NLC/AM	CAD FILE -	SHEET / OF



1 LEVEL 10 MECHANICAL AIR BALANCE PRECAUTIONS PLAN

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

N

INTENT NOTE

THE INTENT OF MEASURES DESCRIBED IN THE AIR BALANCE PLAN IS THAT THE MODIFICATIONS WITHIN THE PROJECT BOUNDARIES DO NOT IMPACT AIRFLOW TO SPACES OUTSIDE THE PROJECT BOUNDARIES.

AIR BALANCE NOTES

1. THE PROJECT WORK WILL AFFECT AIR SYSTEMS AHU-10-SA, AHU-10-E1, EX-1, EX-2 & EX B-2. PRIOR TO STARTING ANY WORK, PRE-MEASURE AIR FLOW AT ALL EXHAUST INLETS AND PATIENT ROOM SUPPLY OUTLETS ON THE ENTIRE FLOOR. SUBMIT PRE-CONSTRUCTION AIR BALANCE REPORT WITH ALL PRE-MEASURED VALUES.
2. PRIOR TO STARTING WORK IN THE PROJECT AREA, PROVIDE HVAC PRECAUTIONS AS DIRECTED BY THE FACILITY; E.G. INSTALLING TEMPORARY BYPASS DUCTING BETWEEN THE SA AND EA DIFFUSERS / GRILLES.
3. AFTER ANY WORK THAT WOULD IMPACT THE AIR FLOW AT A PRE-MEASURED LOCATION, VERIFY THE AIR FLOW AND ADJUST AS REQUIRED TO THE PRE-MEASURED VALUE.
4. AT END OF NEW CONSTRUCTION, UNLESS A FINAL BALANCE AIR FLOW IS INDICATED FOR THE PRE-MEASURED LOCATION, VERIFY AIR FLOWS AT ALL PRE-MEASURED LOCATIONS AND ADJUST AS REQUIRED TO THE PRE-MEASURED VALUE.

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
6/26/2025, 2:54:24 PM
S250003-34-00
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED PROFESSIONAL ENGINEER
No. M33262
Exp.12/31/25
MECHANICAL
STATE OF CALIFORNIA

R&A ENGINEERING SOLUTIONS INC
Mechanical Consultants
601 University Avenue, Suite 255, Sacramento, CA 95825
Tel. (916) 920-5965 Fax. (916) 920-9239
R&A Job Number: TAY14224
PM: SSC Designer/Drafter: NLC/AM

DESIGN PROFESSIONALS OF RECORD:

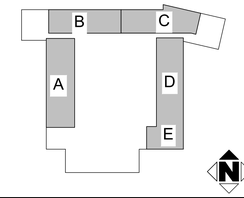
UCDAVIS HEALTH
Facilities Design & Construction
4800 2nd Avenue Suite 3010
Sacramento, California 95817
(916)734-7024

TAYLOR design

REV	REVISION DESCRIPTION	DATE

CONST. DOCUMENTS

KEYPLAN



TAYLOR design
REVIEWED FOR GENERAL CONFORMANCE (DSHPO)

This document has been prepared by other design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state. It has been examined by me for:

1) design intent and appears to meet the appropriate requirements of the CBC, applicable referenced standards and the project specifications prepared by me, and

2) coordination with my plans and specifications and is acceptable for incorporation into the construction of this project.

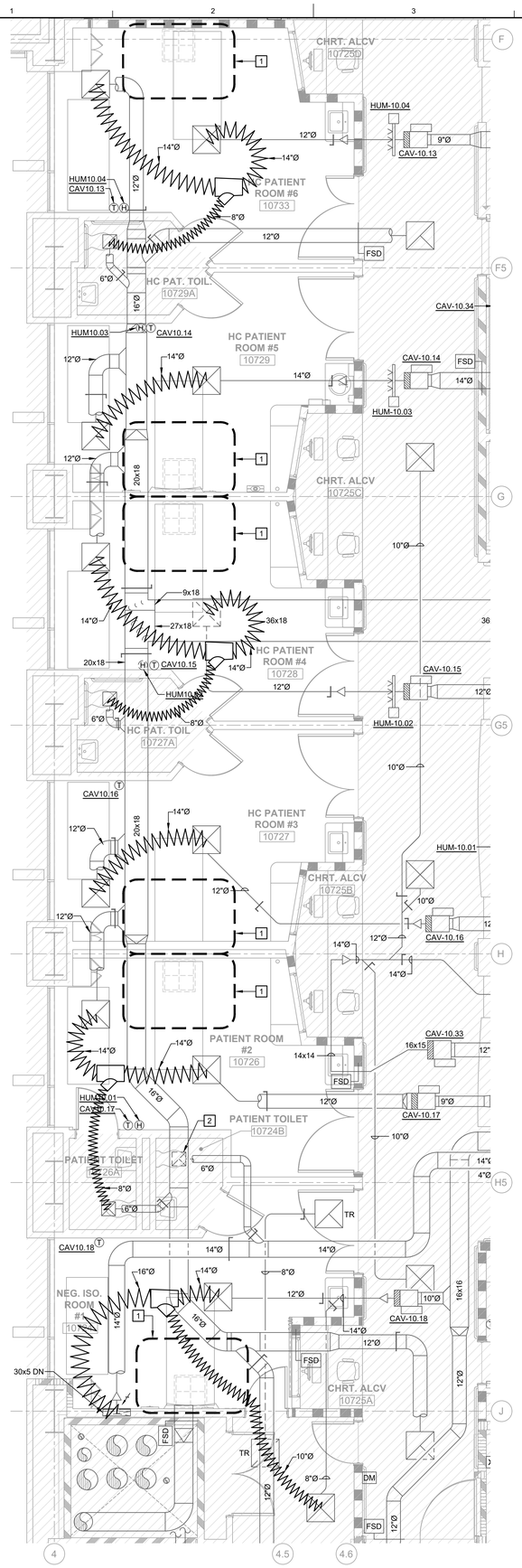
SIGNATURE PROVIDED PER CAC 7-119

LICENSE NUMBER: C-34356
DATE: 12/18/2024

Review for general conformance shall not be construed as relieving me of my rights, duties, and responsibilities under Section 129805 of the Health and Safety Code and Sections 7-115.(a.3), (b), and (c), 7-129, and 7-132 of Title 24, Part 1.

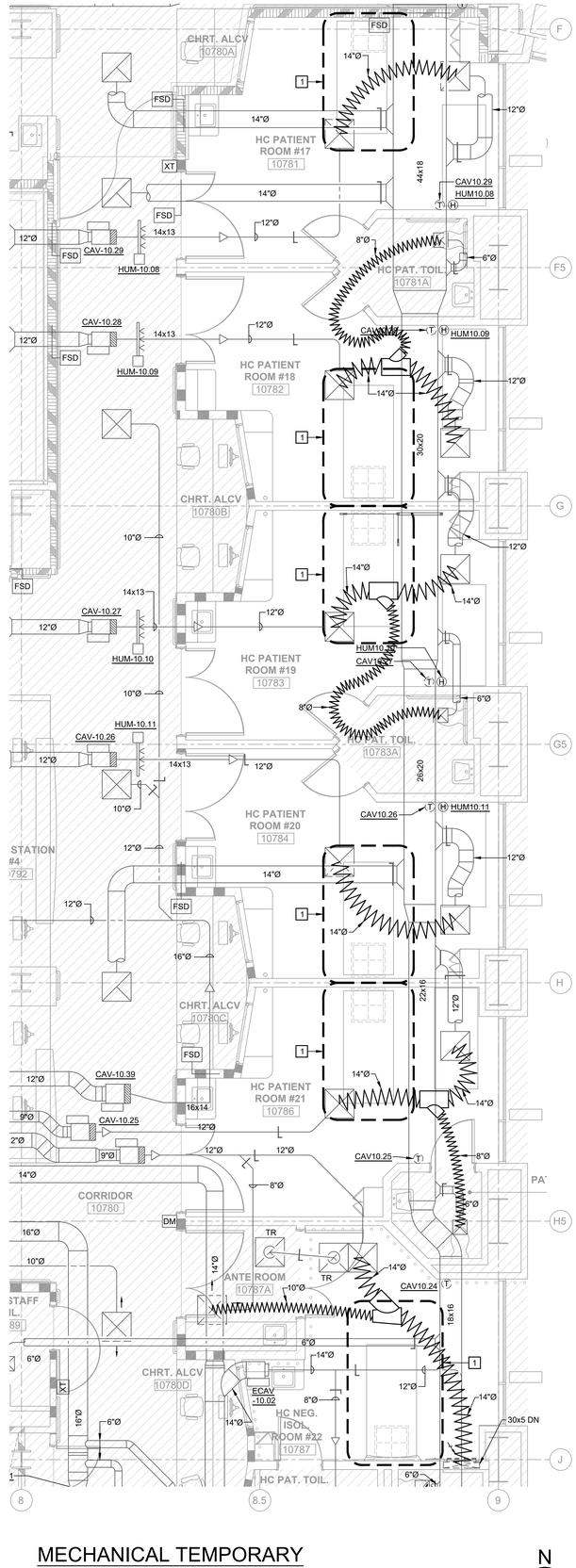
UCDH PROJECT NO.: 9557750
HCAI - OSHPD NO.: S250003-34-00
BUILDING: BLDG-01445
FLOOR / WING: 10TH FLOOR
PROJECT TITLE: DT10 PICU CEILING TILE & BOOM REPLACEMENT
SHEET TITLE: LEVEL 10 MECHANICAL AIR BALANCE PRECAUTIONS PLAN

ARCH \ ENGR	FD&C JOB NO.	SHEET NO.
Scott Crosby	9557750 -L010335	M-031
UCDMC PROJ. MANAGER	SCALE	
Sejal (Sage) Sharma	As Noted	
DESIGNED BY	DATE	
Scott Crosby	12/16/24	
DRAWN BY	CAD FILE	SHEET / OF
NLC/AM	-	



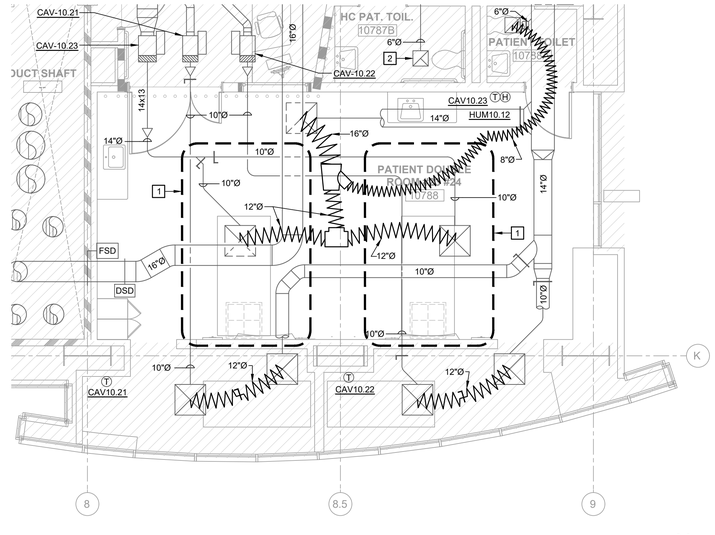
3 MECHANICAL MECHANICAL TEMPORARY PLAN - SEGMENT A

SCALE: 1/4" = 1'-0"



2 MECHANICAL TEMPORARY DUCTING PLAN - SEGMENT D

SCALE: 1/4" = 1'-0"



1 MECHANICAL TEMPORARY DUCTING PLAN - SEGMENT E

SCALE: 1/4" = 1'-0"

WALL LEGEND

- NON-RATED PARTITION
- NON-RATED DOUBLE STUD SMOKE PARTITION
- 1 HOUR RATED METAL STUD SMOKE BARRIER
- 1 HOUR RATED METAL STUD FIRE BARRIER
- 1 HOUR RATED SMOKE PARTITION SHAFT WALL
- 1 HOUR RATED FIRE PARTITION METAL STUD WALL
- 2 HOUR RATED FIRE WALL
- 2 HOUR RATED SMOKE BARRIER
- 2 HOUR RATED FIRE BARRIER
- DEMOLISH WALL
- TEMPORARY CONSTRUCTION BARRIER

DEMOLITION SHEET NOTES

1 THE DESIGN INTENT IS THAT DUCT SYSTEM AND AIR FLOW IS NOT TO BE MODIFIED AS A RESULT OF PROJECT WORK.

- TO FACILITATE THE PROJECT WORK IN EACH RESPECTIVE WORK AREA, THE CONTRACTOR IS TO PROVIDE TEMPORARY DUCTING TO BYPASS THE CONSTANT VOLUME SUPPLY AIR TO THE CONSTANT VOLUME EXHAUST AIR. TEMPORARY DUCTING SHALL BE SEALED AT THE REGISTER CONNECTIONS AND SUPPORTED.
- AT THE COMPLETION OF CONSTRUCTION IN EACH AREA OF WORK, CONTRACTOR SHALL REMOVE ALL TEMPORARY DUCTING AND AND PERFORM A FINAL AIR FLOW VERIFICATION WITHIN THE AFFECTED AREA TO ENSURE THE PRE-MEASURED AIR FLOW HAS BEEN REESTABLISHED.

2 AIR FLOW TO THIS TOILET ROOM CAN BE TEMPORARILY SEALED AT REGISTER FACE SINCE EXHAUST IS CONNECTED TO A CONSTANT VOLUME TERMINAL UNIT THAT WILL MAINTAIN THE TOTAL AIR FLOW.

- REFER TO AIR BALANCE PRECAUTIONS SHOWN ON 1/M-031.

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
6/26/2025, 2:54:24 PM
S250003-34-00
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

R&A ENGINEERING SOLUTIONS INC
Mechanical Consultants
601 University Avenue, Suite 255, Sacramento, CA 95825
Tel. (916) 920-5965 Fax. (916) 920-9239
R&A Job Number: TAY14224
PM: SSC Designer/Drafter: NLC/AM

DESIGN PROFESSIONALS OF RECORD:

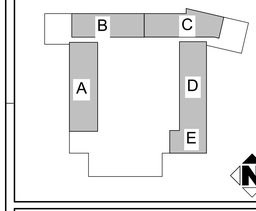
UCDAVIS HEALTH
Facilities Design & Construction
4800 2nd Avenue Suite 3010
Sacramento, California 95817
(916)734-7934

TAYLOR design

REV	REVISION DESCRIPTION	DATE

CONST. DOCUMENTS

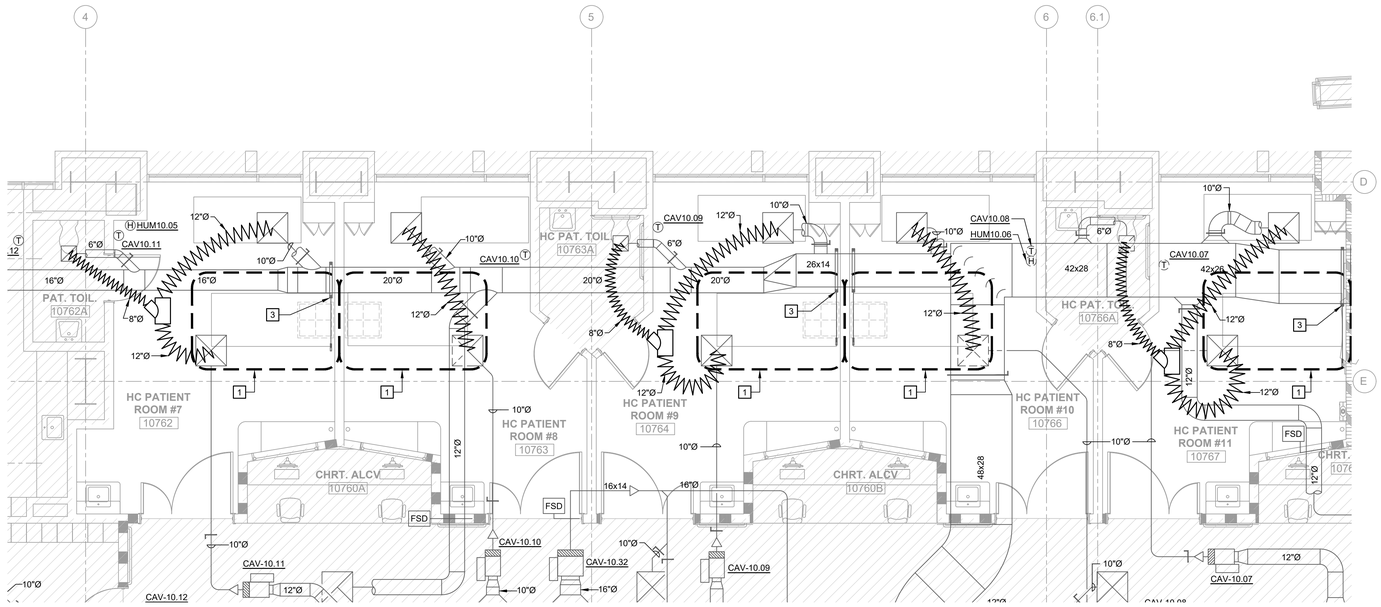
KEYPLAN



TAYLOR design
REVIEWED FOR GENERAL CONFORMANCE
ONLY
This document has been prepared by other design professionals, or consultants who are licensed and/or authorized to prepare such drawings in this state. It has been examined by me for:
1) design intent and appears to meet the appropriate requirements of the California Building Standards Code and the project specifications prepared by me; and,
2) coordination with my plans and specifications and is acceptable for incorporation into the construction of this project.
SIGNATURE PROVIDED PER CAC 7-115
LICENSE NUMBER: C-6006
DATE: 12/18/2024
Review for general conformance shall not be construed as relieving me of my rights, duties, and responsibilities under Section 129055 of the Health and Safety Code and Sections 7-115.1a.3), 8), and (c), 7-129 and 7-122 of Title 24, Part 1.

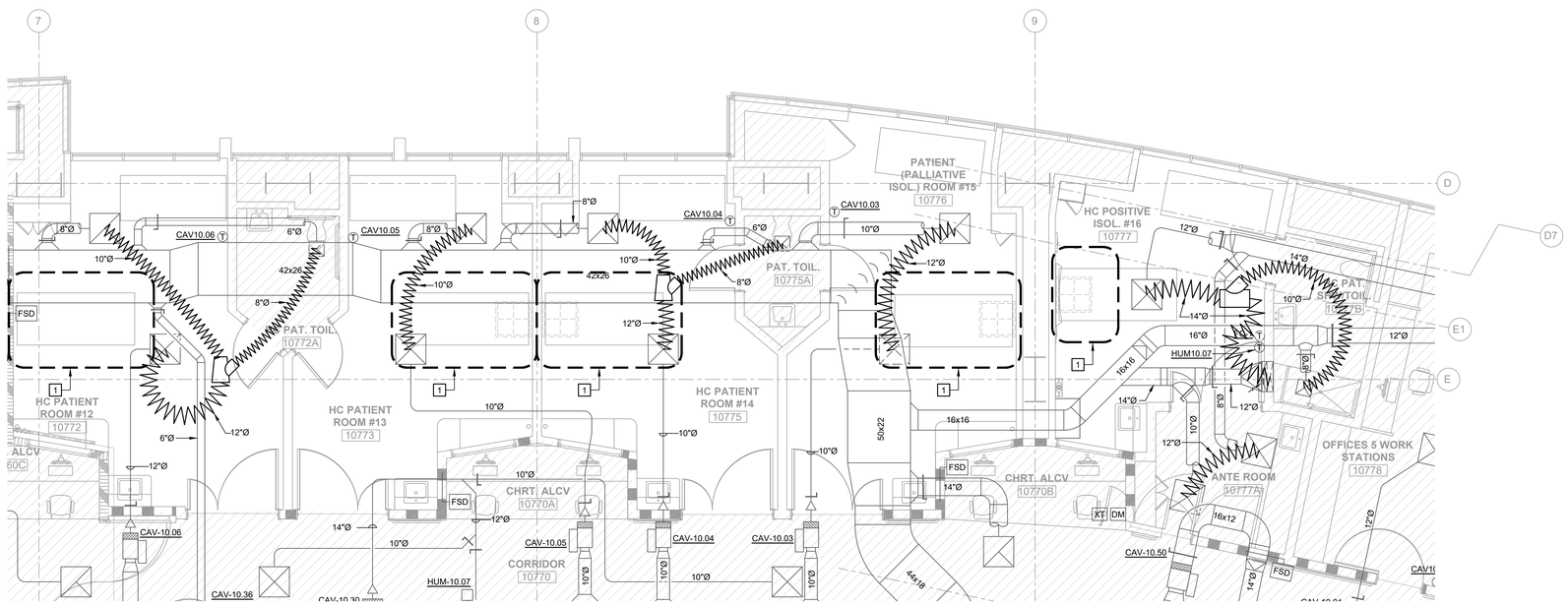
UCDH PROJECT NO.: 9557750
HCAI - OSHPD NO.: S250003-34-00
BUILDING: BLDG-01445
FLOOR \ WING: 10TH FLOOR
PROJECT TITLE: DT10 PICU CEILING TILE & BOOM REPLACEMENT
SHEET TITLE: LEVEL 10 MECHANICAL TEMPORARY DUCTING SEGMENTED PLANS

ARCH \ ENGR.	FD&C JOB NO.	SHEET NO.
Scott Crosby	9557750 -L010335	M-041-A
UCDMC PROJ. MANAGER	SCALE	
Sejal (Sage) Sharma	As Noted	
DESIGNED BY	DATE	
Scott Crosby	12/16/24	
DRAWN BY	CAD FILE	SHEET / OF
NLC/AM	-	



2 MECHANICAL TEMPORARY DUCTING PLAN - SEGMENT B

SCALE: 1/4" = 1'-0"



1 MECHANICAL TEMPORARY DUCTING PLAN - SEGMENT C

SCALE: 1/4" = 1'-0"

WALL LEGEND

- NON-RATED PARTITION
- NON-RATED DOUBLE STUD SMOKE PARTITION
- 1 HOUR RATED METAL STUD SMOKE BARRIER
- 1 HOUR RATED METAL STUD FIRE BARRIER
- 1 HOUR RATED SMOKE PARTITION SHAFT WALL
- 1 HOUR RATED FIRE PARTITION METAL STUD WALL
- 2 HOUR RATED FIRE WALL
- 2 HOUR RATED SMOKE BARRIER
- 2 HOUR RATED FIRE BARRIER
- DEMOLISH WALL
- TEMPORARY CONSTRUCTION BARRIER

DEMOLITION SHEET NOTES

1. THE DESIGN INTENT IS THAT DUCT SYSTEM AND AIR FLOW IS NOT TO BE MODIFIED AS A RESULT OF PROJECT WORK.
   - TO FACILITATE THE PROJECT WORK IN EACH RESPECTIVE WORK AREA, THE CONTRACTOR IS TO PROVIDE TEMPORARY DUCTING TO BYPASS THE CONSTANT VOLUME SUPPLY AIR TO THE CONSTANT VOLUME EXHAUST AIR. TEMPORARY DUCTING SHALL BE SEALED AT THE REGISTER CONNECTIONS AND SUPPORTED.
   - AT THE COMPLETION OF CONSTRUCTION IN EACH AREA OF WORK, CONTRACTOR SHALL REMOVE ALL TEMPORARY DUCTING AND AND PERFORM A FINAL AIR FLOW VERIFICATION WITHIN THE AFFECTED AREA TO ENSURE THE PRE-MEASURED AIR FLOW HAS BEEN REESTABLISHED.
2. AIR FLOW TO THIS TOILET ROOM CAN BE TEMPORARILY SEALED AT REGISTER FACE SINCE EXHAUST IS CONNECTED TO A CONSTANT VOLUME TERMINAL UNIT THAT WILL MAINTAIN THE TOTAL AIR FLOW.
   - REFER TO AIR BALANCE PRECAUTIONS SHOWN ON 1/M-031.
3. REMOVE MECHANICAL SEISMIC BRACING AS NEEDED TO ALLOW FOR COMPLETION OF BOOM STRUCTURE MODIFICATIONS. REFER TO SHEET M-141 FOR NEW WORK.

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
6/26/2025, 2:54:24 PM
S250003-34-00
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

DESIGN PROFESSIONALS OF RECORD:

R&A ENGINEERING SOLUTIONS INC
Mechanical Consultants
601 University Avenue, Suite 255, Sacramento, CA 95825
Tel. (916) 920-5965 Fax. (916) 920-9239
R&A Job Number: TAY14224
PM: SSC Designer/Drafter: NLC/AM

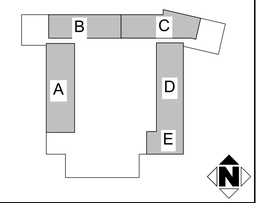
UCDAVIS HEALTH
Facilities Design & Construction
4800 2nd Avenue Suite 3010
Sacramento, California 95817
(916)734-7024

TAYLOR design

REV	REVISION DESCRIPTION	DATE

CONST. DOCUMENTS

KEYPLAN



TAYLOR design
REVIEWED FOR GENERAL CONFORMANCE (DSA/PS)
This document has been prepared by other design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state. It has been examined by me for:
1) design intent and appears to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me, and
2) coordination with my plans and specifications and is acceptable for incorporation into the construction of this project.
SIGNATURE PROVIDED PER CAC 7-119
LICENSE NUMBER: C-33036
DATE: 12/16/2024
The review for General Conformance shall not be construed as relieving me of my rights, duties, and responsibilities under Section 5538(b) of the Health and Safety Code and Sections 7-115.5a.3), iii), and 8), 7-204 and 7-212 of Title 24, Part 1.

UCDH PROJECT NO.: 9557750
HCAI - OSHPD NO.: S250003-34-00
BUILDING: BLDG-01445
FLOOR LVL/WING: 10TH FLOOR
PROJECT TITLE: DT10 PICU CEILING TILE & BOOM REPLACEMENT
SHEET TITLE: LEVEL 10 MECHANICAL TEMPORARY DUCTING SEGMENTED PLANS

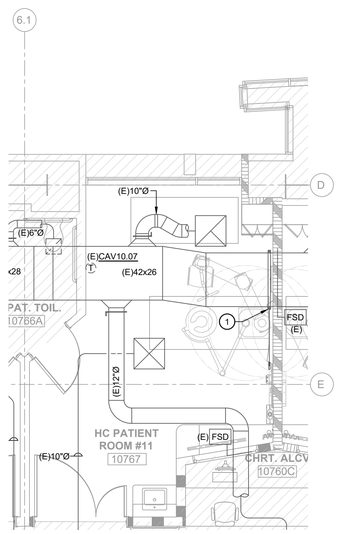
ARCH | ENGR.	FD&C JOB NO.	SHEET NO.
Scott Crosby	9557750 -L010335	M-041-B
UCDMC PROJ. MANAGER: Sejal (Sage) Sharma	SCALE: As Noted	
DESIGNED BY: Scott Crosby	DATE: 12/16/24	
DRAWN BY: NLC/AM	CAD FILE: -	SHEET / OF

WALL LEGEND

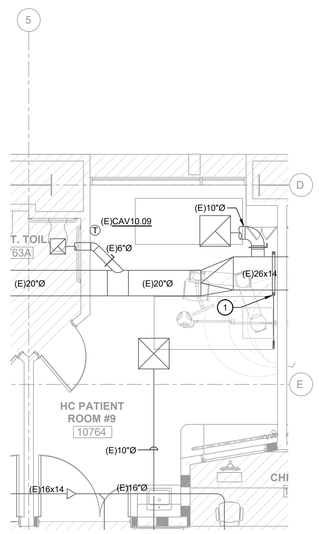
- NON-RATED PARTITION
- NON-RATED DOUBLE STUD SMOKE PARTITION
- 1 HOUR RATED METAL STUD SMOKE BARRIER
- 1 HOUR RATED METAL STUD FIRE BARRIER
- 1 HOUR RATED SMOKE PARTITION SHAFT WALL
- 1 HOUR RATED FIRE PARTITION METAL STUD WALL
- 2 HOUR RATED FIRE WALL
- 2 HOUR RATED SMOKE BARRIER
- 2 HOUR RATED FIRE BARRIER

NEW WORK SHEET NOTES

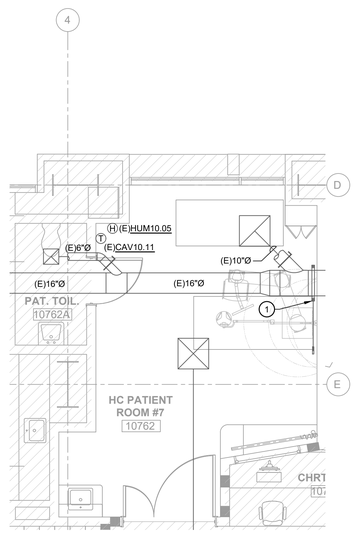
1. MODIFY MECHANICAL SEISMIC BRACING AS NEEDED TO FACILITATE THE BOOM INSTALLATION. FOR REFERENCE TO SEISMIC BRACING DETAILS, REFER TO SHEET M-501.



ENLARGED MECHANICAL
NEW WORK PLAN - PATIENT ROOM #11
3 SCALE: 1/4" = 1'-0"



ENLARGED MECHANICAL
NEW WORK PLAN - PATIENT ROOM #9
2 SCALE: 1/4" = 1'-0"



ENLARGED MECHANICAL
NEW WORK PLAN - PATIENT ROOM #7
1 SCALE: 1/4" = 1'-0"

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S250003-34-00
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED PROFESSIONAL ENGINEER
No. M33262
Exp.12/31/25
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STATE OF CALIFORNIA

R&A ENGINEERING SOLUTIONS INC
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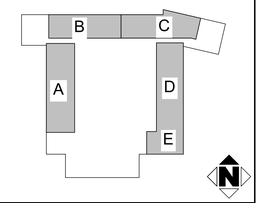
SACRAMENTO, CALIFORNIA 95817
(916)734-7024

TAYLOR design

REV	REVISION DESCRIPTION	DATE

CONST. DOCUMENTS

KEYPLAN



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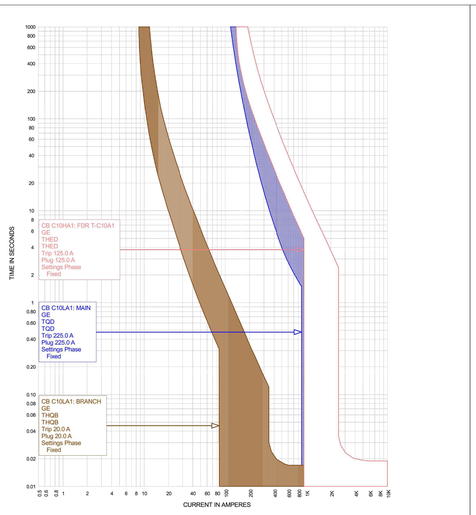
LICENSE NUMBER: C-3035
DATE: 12/16/2024
The Reviewed for General Conformance shall not be construed as relieving me of my rights, duties, and responsibilities under Section 5536.5 of the Health and Safety Code and Sections 7-115.5a.3), 7-115.5b., and 8-1.12c and f.3.b) of Title 24, Part 1.

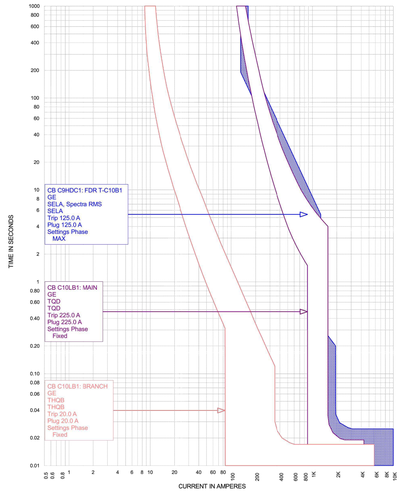
UCDH PROJECT NO.: 9557750
HCAI - OSHPD NO.: S250003-34-00
BUILDING: BLDG-01445
FLOOR LVWING: 10TH FLOOR
PROJECT TITLE: **DT10 PICU CEILING TILE & BOOM REPLACEMENT**
SHEET TITLE: **LEVEL 10 MECHANICAL NEW WORK SEGMENTED PLANS**

ARCH.\ENGR.	FD&C JOB NO.	SHEET NO.
Scott Crosby	9557750 -L010335	**M-141-A**
UCDMC PROJ. MANAGER: Sejal (Sage) Sharma	SCALE: As Noted	
DESIGNED BY: Scott Crosby	DATE: 12/16/24	
DRAWN BY: NLC/AM	CAD FILE: -	SHEET / OF



EDGE ELECTRICAL CONSULTING | SKM SYSTEMS ANALYSIS, INC. TIME-CURRENT CURVES | TCC-1

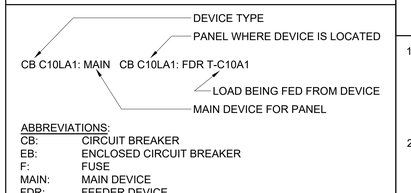
FAULT:
DATE: 6/3/2024
BY: Anh
REVISION: 0



EDGE ELECTRICAL CONSULTING | SKM SYSTEMS ANALYSIS, INC. TIME-CURRENT CURVES | TCC-2

FAULT:
DATE: 6/3/2024
BY: Anh
REVISION: 0

TIME CURRENT CURVE - CIRCUIT BREAKER NAMING CONVENTION:



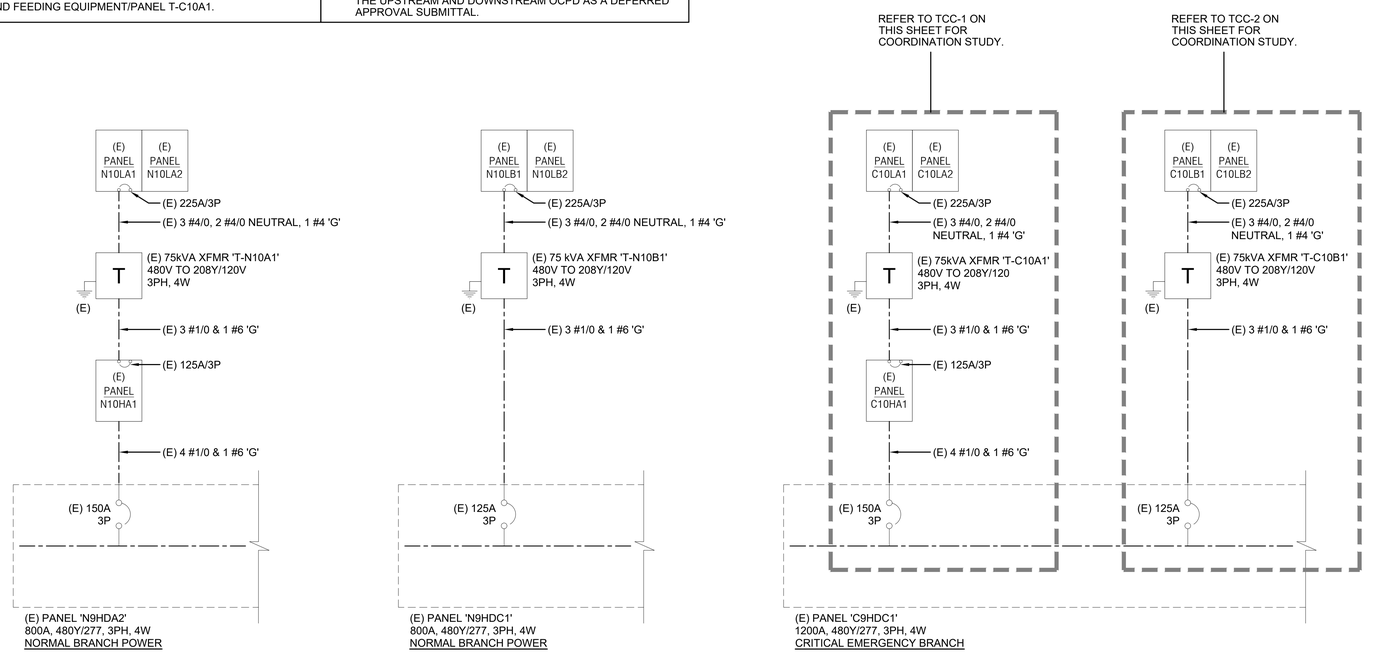
ABBREVIATIONS:

CB:	CIRCUIT BREAKER
EB:	ENCLOSED CIRCUIT BREAKER
F:	FUSE
MAIN:	MAIN DEVICE
FDR:	FEEDER DEVICE
BRANCH:	BRANCH DEVICE

SAMPLE:
'CB C10LA1: FDR T-C10A1' - CIRCUIT BREAKER LOCATED IN PANEL C10LA1 AND FEEDING EQUIPMENT/PANEL T-C10A1.

(FINAL) COORDINATION STUDY SHEET NOTES

1. THE COORDINATION STUDY WAS PERFORMED BASED ON THE EXISTING PROTECTIVE DEVICE INDICATED ON THE ONE-LINE DIAGRAM (IN THIS SHEET) AND/OR PANEL SCHEDULES (SHEET E-501). THE OVER-CURRENT PROTECTIVE DEVICE (OCPD) COMBINATIONS HAVE BEEN EVALUATED AND DETERMINED THAT IT MEETS THE COORDINATION LEVEL REQUIRED BY CEC 517.31(G).
2. WHERE AN EXISTING SPARE OVER-CURRENT PROTECTION DEVICE (OCPD) IS INDICATED TO BE REUSED (AND A COORDINATION STUDY WAS PROVIDED) IS NO LONGER AVAILABLE OR IS DETERMINED TO BE FAULTY, THE CONTRACTOR SHALL PROVIDE A NEW OCPD OF THE SAME TYPE AND PART NUMBER AS SHOWN ON THE TCC. IF THE REPLACEMENT DEVICE IS OF A DIFFERENT PART NUMBER, THE CONTRACTOR SHALL PROVIDE A FINAL COORDINATION STUDY SHOWING THAT THE DEVICE IS COORDINATED WITH THE UPSTREAM AND DOWNSTREAM OCPD AS A DEFERRED APPROVAL SUBMITTAL.



1 PARTIAL ONE-LINE DIAGRAM
NO SCALE

STANDARD ELECTRICAL SYMBOLS

SYMBOL	DESCRIPTION
XX	NUMBERED NOTE.
	ENLARGED PLAN OR DETAIL CALL-OUT.
T	(E) TRANSFORMER.
	(E) CIRCUIT BREAKER.
	JUNCTION BOX, SIZE AND TYPE AS INDICATED OR REQUIRED.
	(E) BRANCH CIRCUIT PANELBOARD, SURFACE MOUNTED.
	CONTROL AND/OR EQUIPMENT, PROVIDED UNDER ANOTHER DIVISION, PROVIDE POWER CONNECTION AS INDICATED.
	EXISTING CONDUIT RUN, VERIFY ROUTING ON THE JOB.
	ARROW AT END OF RACEWAY INDICATES HOME RUN TO RESPECTIVE PANELBOARD OR SWITCHBOARD.
	BRANCH CIRCUIT WITHOUT FURTHER DESIGNATION INDICATES A 2 #12 AWG CIRCUIT WITH 1 #12 AWG GROUND.
	STRAIGHT CROSS-LINES IN BRANCH CIRCUIT RACEWAY INDICATE NUMBER OF #12 AWG WIRES IN A CIRCUIT. SHORT LINES INDICATE UNGROUNDED CONDUCTORS. LONG LINES INDICATE NEUTRAL CONDUCTORS. WIRES SHOWN ARE IN ADDITION TO 1 #12 AWG GROUNDING CONDUCTOR.
#10	BRANCH CIRCUIT WITH GROUNDING WIRE LARGER THAN #12 AWG. NUMBER ADJACENT TO CURVED CROSS-LINE INDICATES WIRE SIZE.
#10	BRANCH CIRCUIT RACEWAY WITH WIRE OTHER THAN #12 AWG. NUMBER ADJACENT TO STRAIGHT OR CURVED CROSS-LINES INDICATES WIRE SIZE. UNGROUNDED AND NEUTRAL CONDUCTORS SHALL BE THE SAME SIZE UNLESS OTHERWISE NOTED.
	20 AMP 125V 3W DUPLEX CONVENIENCE RECEPTACLE. CONNECT TO EMERGENCY POWER SOURCE.
	20 AMP 125V 3W DUPLEX CONVENIENCE RECEPTACLE W/ GROUND FAULT INTERRUPTER. CONNECT TO EMERGENCY POWER SOURCE.
	(E) DATA OUTLET.
XX	EQUIPMENT, PROVIDED UNDER ANOTHER DIVISION, PROVIDE POWER CONNECTION AS INDICATED.
$	30A, 1-POLE 1-PHASE MOTOR RATED DISCONNECT SWITCH. SWITCH SHALL BE RATED 600V MAXIMUM FOR ALL SYSTEMS.

ABBREVIATIONS

1PH, 3PH	1 PHASE, 3 PHASE
1P, 2P, 3P	1 POLE, 2 POLE, 3 POLE
3W, 4W	3 WIRE, 4 WIRE
(D)	DEMO, DEMOLISH
(E)	EXISTING
(ER)	EXISTING RELOCATED
(N)	NEW
(R)	RELOCATE
-A-	
A, AMPS	AMPERES
AC	ALTERNATING CURRENT
AF	FRAME RATING IN AMPERES
AFF	ABOVE FINISHED FLOOR
AIC	AMPERES INTERRUPTING CAPACITY
AL, ALUM	ALUMINUM
ATS	AUTO TRANSFER SWITCH
AT	TRIP RATING IN AMPERES
AWG	AMERICAN WIRE GAUGE
-B-	
BTR	BUILDING TELECOM ROOM
-C-	
C	CONDUIT
CB,C/B	CIRCUIT BREAKER
CEC	CALIFORNIA ELECTRICAL CODE
CT	CURRENT TRANSFORMER
CU	COPPER
-D-	
DC	DIRECT CURRENT
-E-	
EA	EACH
ELEC	ELECTRICAL
EMT	ELECTRICAL METALLIC TUBING
-F-	
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FATC	FIRE ALARM TERMINAL CABINET
FLA	FULL LOAD AMPS
FT	FOOT OR FEET
-G-	
G, GND	GROUND
GA	GAUGE
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFI	GROUND FAULT INTERRUPTER
-H-	
HOA	HAND-OFF-AUTO
HP	HORSE POWER
-J-	
J-BOX	JUNCTION BOX
-K-	
KVA	ONE THOUSAND VOLT-AMPS
KW	ONE THOUSAND WATTS
-L-	
LCP	LIGHTING CONTROL PANEL
LTG	LIGHTING
-M-	
MCA	MINIMUM CIRCUIT AMPACITY
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MLO	MAIN LUGS ONLY
MOCP	MAXIMUM OVER-CURRENT PROTECTION
MT	EMPTY CONDUIT W/ PULL-LINE
-N-	
NC	NORMALLY CLOSED
NCTC	NURSE CALL TERMINAL CABINET
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER ASSOCIATION
NIES	NOT INCLUDED IN ELECTRICAL SCOPE
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
-O-	
OCP	OVER-CURRENT PROTECTION
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
-P-	
PT	POTENTIAL TRANSFORMER
PVC	POLYVINYL CHLORIDE CONDUIT
-R-	
RLA	RUNNING LOAD AMP
RSC	RIGID STEEL CONDUIT
-S-	
SPD	SURGE PROTECTION DEVICE
SPDT	SINGLE POLE DOUBLE THROW
SPST	SINGLE POLE SINGLE THROW
SST	SOLID STATE TRIP
-T-	
TER	TELECOM EQUIPMENT ROOM
TR	TELECOM ROOM
TM	THERMAL MAGNETIC
TTB	TERMINAL BACKBOARD
-U-	
UG	UNDERGROUND
UL	UNDERWRITERS LAB.
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
-V-	
V	VOLTS
VA	VOLT-AMPS
VAC	VOLTS ALTERNATE CURRENT
-W-	
W	WATTS
WCR	WITHSTAND & CLOSING RATING
WP	WEATHERPROOF
-X-	
XFMR	TRANSFORMER
XFER	TRANSFER SWITCH

GENERAL ELECTRICAL NOTES

1. WHERE PROVIDED, THROUGH-PENETRATION FIRESTOP SYSTEM AND MEMBRANE PENETRATION DETAILS SHOWN IN THE DETAILS ARE FOR REFERENCE ONLY. THROUGH- PENETRATIONS AND MEMBRANE PENETRATIONS SHALL BE PROTECTED BY AN APPROVED PENETRATION FIRESTOP SYSTEM OR MEMBRANE PENETRATION FIRESTOP SYSTEM INSTALLED AS TESTED IN ACCORDANCE WITH ASTM E 814 OR UL 1479, WITH A MINIMUM POSITIVE PRESSURE DIFFERENTIAL OF 0.01 INCH (2.49 PA) OF WATER OR AS OTHERWISE PERMITTED BY CBC, SECTION 714. LISTED THROUGH-PENETRATION FIRESTOP SYSTEMS AND MEMBRANE PENETRATIONS SHALL BE INSTALLED IN ACCORDANCE WITH THE INSTALLATION DETAILS FOR LISTED SYSTEMS. LISTED THROUGH-PENETRATION FIRESTOP SYSTEMS, MEMBRANE PENETRATION PROTECTION AND OTHER PERMITTED MEANS AND METHODS OF PENETRATION PROTECTION SHALL BE SUBMITTED FOR HCAI REVIEW AND APPROVAL PRIOR TO INSTALLATION.
2. ALL ELECTRICAL EQUIPMENT TO BE INSTALLED OR PERMANENTLY CONNECTED (HARDWIRED) SHALL BE LISTED, LABELED, OR CERTIFIED BY A NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL) PER CEC 110.2.
3. ALL EQUIPMENT SHALL BE USED IN ACCORDANCE WITH LISTING PER CEC 110.3B.

SHEET INDEX

SHEET	DESCRIPTION
E-001	ABBREVIATIONS, SYMBOLS, SHEET INDEX & PARTIAL ONE-LINE DIAGRAM
E-111	OVERALL 10TH FLOOR PLAN - ELECTRICAL
E-421	ENLARGED 10TH FLOOR PLAN - DEMO & NEW ELECTRICAL - SEGMENT A
E-422	ENLARGED 10TH FLOOR PLAN - DEMO & NEW ELECTRICAL - SEGMENT B
E-423	ENLARGED 10TH FLOOR PLAN - DEMO & NEW ELECTRICAL - SEGMENT C
E-424	ENLARGED 10TH FLOOR PLAN - DEMO & NEW ELECTRICAL - SEGMENT D
E-425	ENLARGED 10TH FLOOR PLAN - DEMO & NEW ELECTRICAL - SEGMENT E
E-501	PANEL SCHEDULES
E-601	DETAILS
E-602	DETAILS
E-603	DETAILS
E-604	DETAILS

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Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
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S250003-34-00
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

STATE OF CALIFORNIA — No. E 18416 — ELECTRICAL — 12/17/2024

DESIGN PROFESSIONALS OF RECORD:

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SACRAMENTO, CALIFORNIA 95817
(916)734-7024

TAYLOR design

REV	REVISION DESCRIPTION	DATE

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UCDH PROJECT NO.: 9557750
HCAI - OSHPD NO.: S250003-34-00
BUILDING: BLDG-01445
FLOOR \ WING: 10TH FLOOR
PROJECT TITLE: DT10 PICU CEILING TILE & BOOM REPLACEMENT
SHEET TITLE: ABBREVIATIONS, SYMBOLS, SHEET INDEX & PARTIAL ONE-LINE DIAGRAM

EDGE ELECTRICAL CONSULTING
Project Number J431
Contact LAI VO
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ARCH.\ENGR.	FD&C JOB NO.	SHEET NO.
ARCH	9557750 - L010335	E-001
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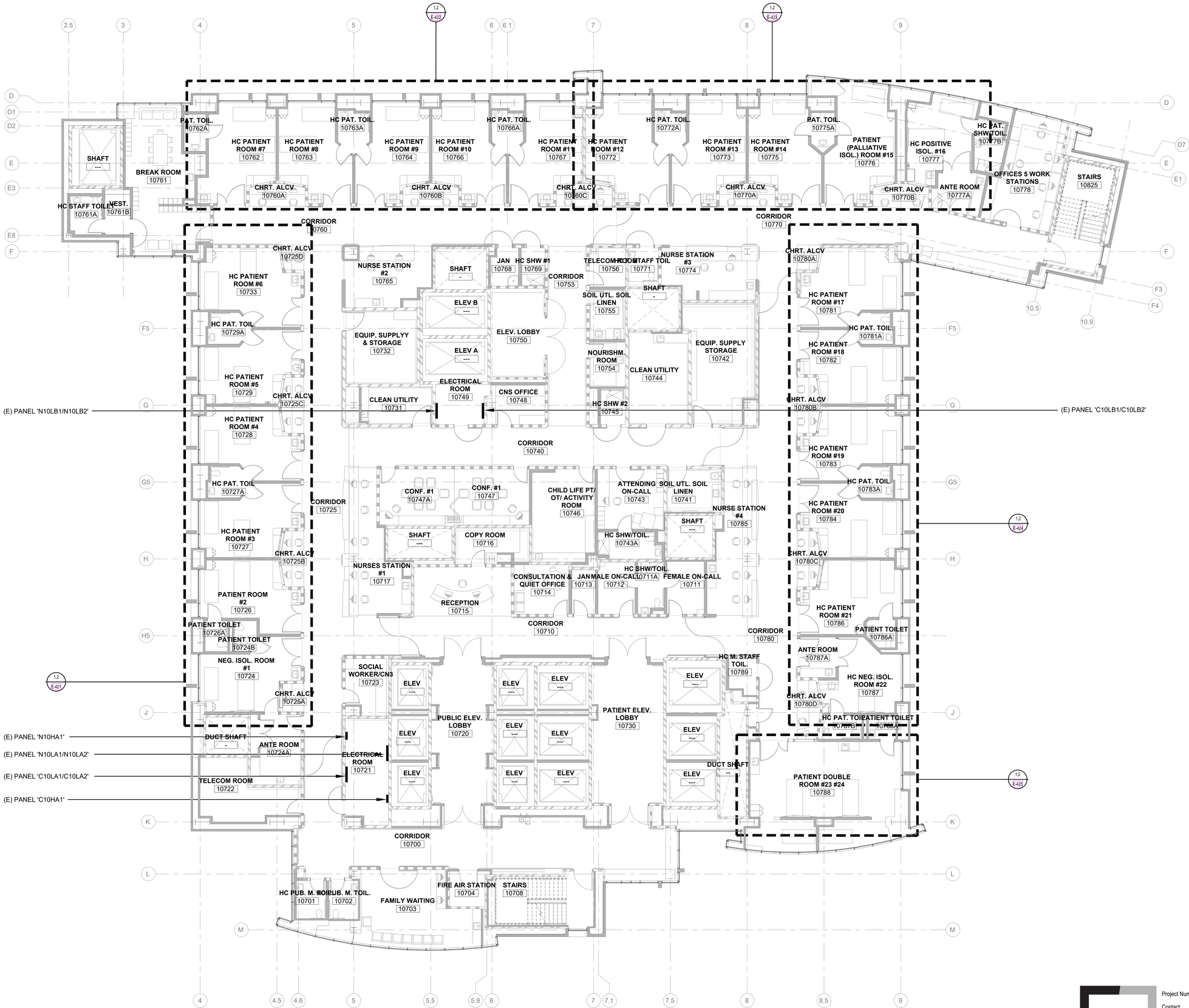

1 OVERALL 10TH FLOOR PLAN - ELECTRICAL
1/8" = 1'-0"

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12/17/2024

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(916)734-7024

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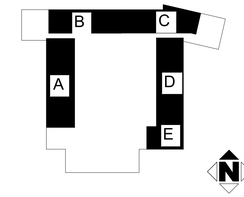

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LICENSE NUMBER: C-10205
DATE: 12/18/2024
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UCDH PROJECT NO.: 9557750
HCAI - OSHPD NO.: S250003-34-00
BUILDING: BLDG-01445
FLOOR \ WING: 10TH FLOOR
PROJECT TITLE: DT10 PICU CEILING TILE & BOOM REPLACEMENT
SHEET TITLE: OVERALL 10TH FLOOR PLAN - ELECTRICAL

EDGE ELECTRICAL CONSULTING
Project Number J431
Contact LAI VO
400 R Street, Ste 333
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Sacramento | Alameda | Irvine

ARCH \ENGR.	FD&C JOB NO.	SHEET NO.
ARCH	9557750 - L010335	E-111
UCDMC PROJ. MANAGER	SCALE	
SEJAL SHARMA	AS NOTED	
DESIGNED BY	DATE	
LAI VO	12/16/24	
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ANH LE	-	

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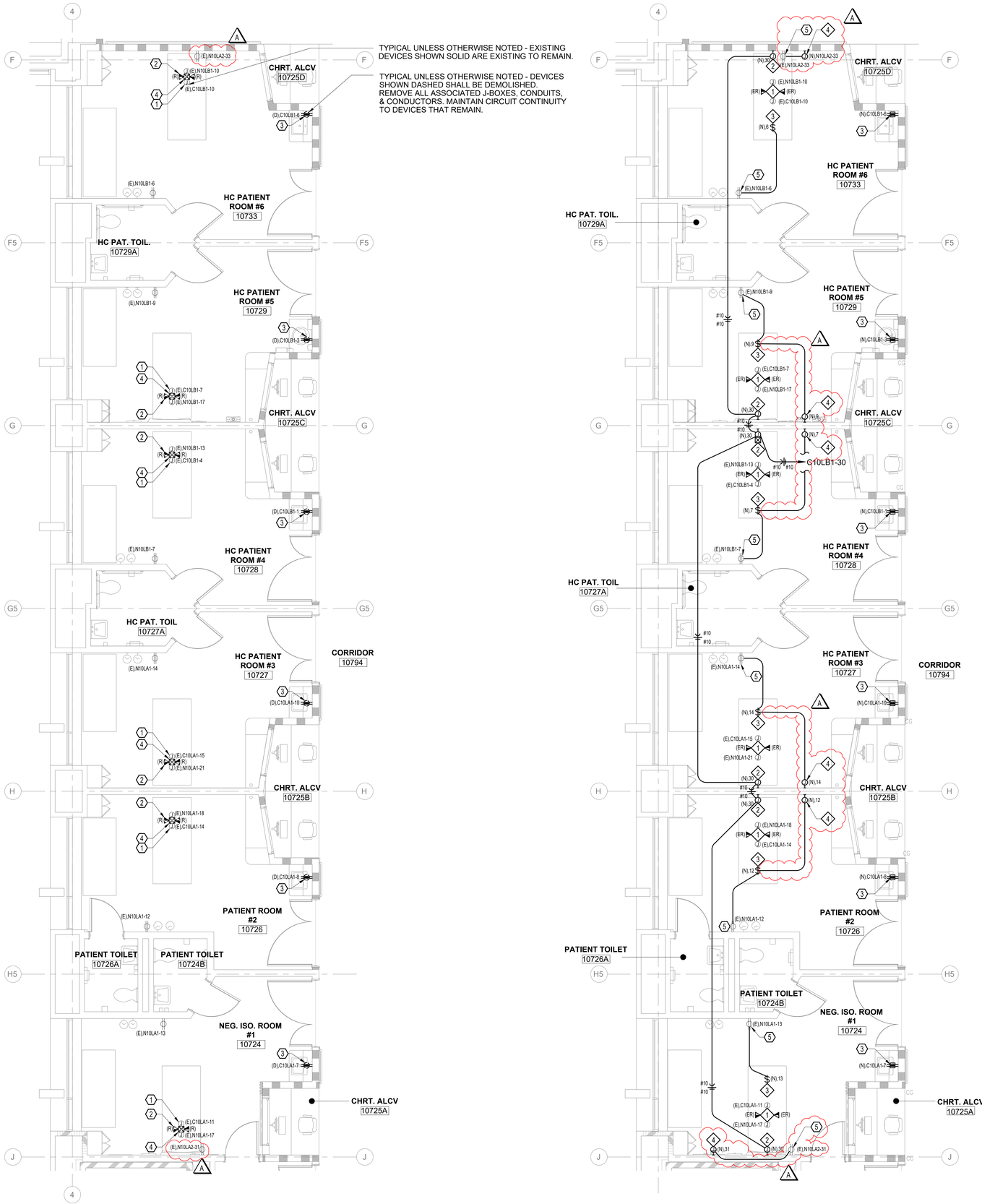

2 ENLARGED 10TH FLOOR PLAN - DEMO ELECTRICAL - SEGMENT A
1/4" = 1'-0"

1 ENLARGED 10TH FLOOR PLAN - NEW ELECTRICAL - SEGMENT A
1/4" = 1'-0"

SHEET NOTES

1. SEE OVERALL FLOOR PLAN FOR (E) PANEL LOCATIONS.
2. U.O.N, ALL DIMENSIONS ARE TO TOP OF BOX.

NUMBERED NOTES

1. (E) J-BOXES FOR CRITICAL AND NORMAL POWER CIRCUITS FROM REMOVED BOOM SHALL BE REUSED FOR (N) BOOM, RECONNECT TO (N) BOOM AS REQUIRED.
2. (E) DATA OUTLETS AT REMOVED BOOM SHALL BE RE-INSTALLED TO (N) BOOM, TYPICAL.
3. REPLACE (E) RECEPTACLE W/ (N) GFCI RECEPTACLE, RECONNECT TO SAME CIRCUIT AS REMOVED.
4. (E) BOOM SHALL BE DEMOLISHED.
5. EXTEND (E) CIRCUIT TO (N) DEVICE AS INDICATED.

EQUIPMENT LIST

1. (N) SINGLE EQUIPMENT BOOM MOUNTED TO CEILING. THERE SHALL BE (3) DUPLEX RECEPTACLES CONNECTED TO CRITICAL POWER AND (3) DUPLEX RECEPTACLES CONNECTED TO NORMAL POWER.
2. (N) WALL MOUNTED EXAM LIGHT (+92" AFF), 120V, 1.5A. CONNECT TO (E) CRITICAL BRANCH SPARE CIRCUIT BREAKER INDICATED.
3. (N) OVERHEAD EQUIPMENT BOOM ELECTRO/MECHANICAL BRAKES, 120V, 2A. CONNECT TO (E) NORMAL BRANCH RECEPTACLE CIRCUIT INDICATED.
4. (N) DIAGNOSTIC EQUIPMENT. PROVIDE RECESSED IN-WALL BACK-BOX FOR RECEPTACLE. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND MOUNTING HEIGHT, CHIEF #PAC525 WALL ENCLOSURE OR APPROVED EQUIVALENT.

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
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Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

STATE OF CALIFORNIA — VIPAK KAPUR — No. E 18476 — ELECTRICAL — 03/27/2025

DESIGN PROFESSIONALS OF RECORD:

UC DAVIS HEALTH
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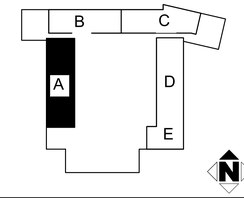
(916)734-7934

TAYLOR design

REV	REVISION DESCRIPTION	DATE
A	OSHPD BC1 SUBMITTAL	03/21/2025

CONST. DOCUMENTS

KEYPLAN



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LICENSE EXPIRATION: C-32035
DATE: 03/28/2025
This Statement of General Conformance shall not be construed as a certification of design, shop drawings or construction under Section 17960.6 of the Health and Safety Code and Sections 7-115.3a.(5), (b), and (c), 7-126 and 7-132 of Title 24, Part 1.

UCDH PROJECT NO.: 9557750
HCAI - OSHPD NO.: TBD
BUILDING: BLDG-01445
FLOOR \ WING: 10TH FLOOR
PROJECT TITLE: **DT10 PICU CEILING TILE & BOOM REPLACEMENT**
SHEET TITLE: **ENLARGED 10TH FLOOR PLAN - DEMO & NEW ELECTRICAL - SEGMENT A**

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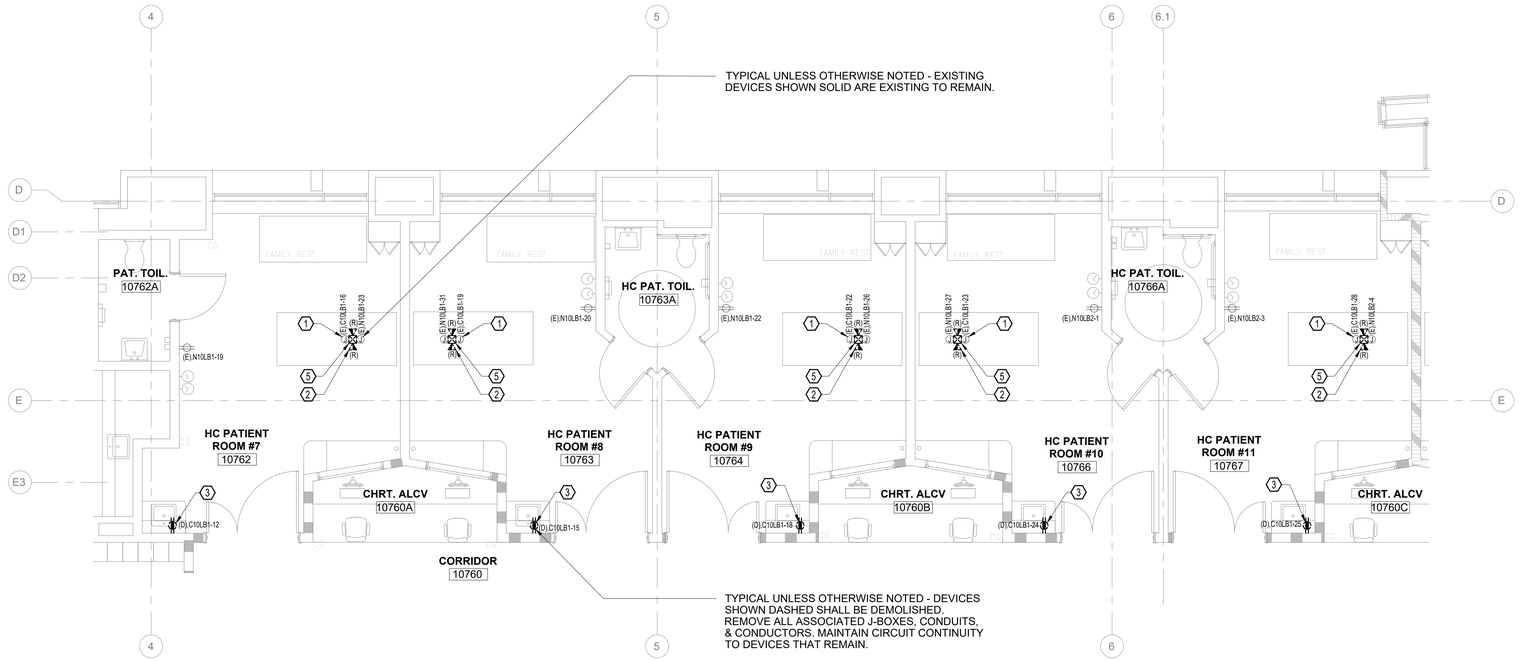
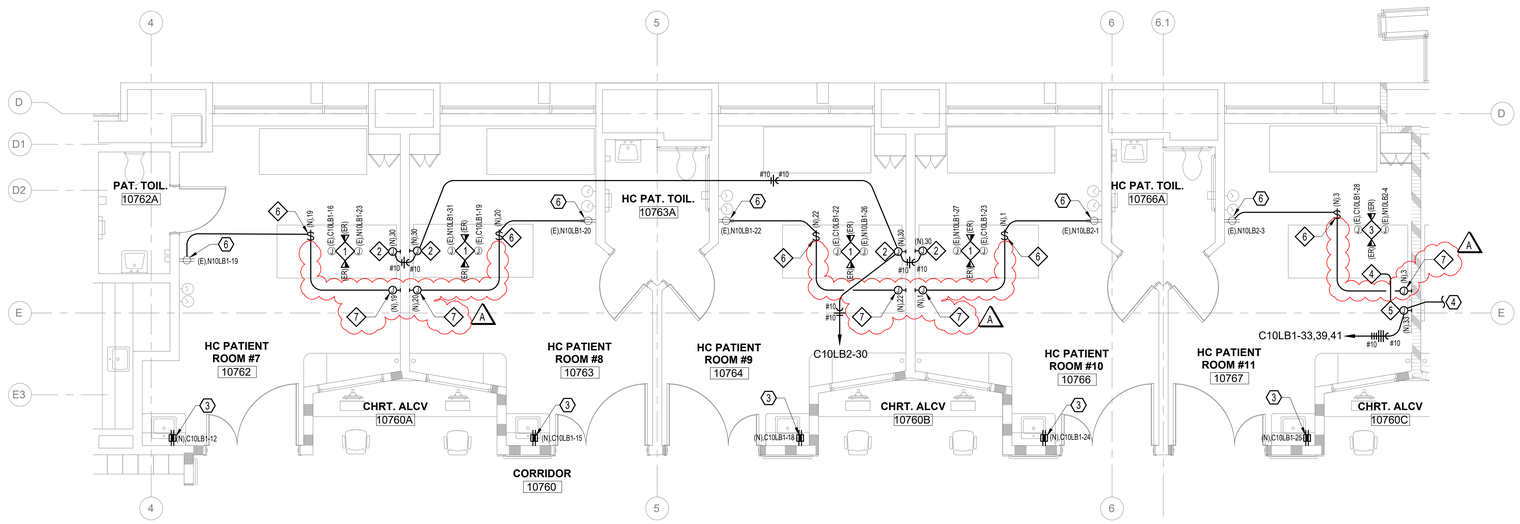
ARCH	9557750 - L010335	E-421
UCDMC PROJ. MANAGER	SCALE	
SEJAL SHARMA	AS NOTED	
DESIGNED BY	DATE	
LAI VO	03/28/25	
DRAWN BY	CAD FILE	SHEET / OF
ANH LE	-	

FILE NAME:



1 ENLARGED 10TH FLOOR PLAN - DEMO ELECTRICAL - SEGMENT B
1/4" = 1'-0"



2 ENLARGED 10TH FLOOR PLAN - NEW ELECTRICAL - SEGMENT B
1/4" = 1'-0"

SHEET NOTES

1. SEE OVERALL FLOOR PLAN FOR (E) PANEL LOCATIONS.
2. U.O.N, ALL DIMENSIONS ARE TO TOP OF BOX.

NUMBERED NOTES

1. (E) J-BOXES FOR CRITICAL AND NORMAL POWER CIRCUITS FROM REMOVED BOOM SHALL BE REUSED FOR (N) BOOM, RECONNECT TO (N) BOOM AS REQUIRED.
2. (E) DATA OUTLETS AT REMOVED BOOM SHALL BE REINSTALLED ON (N) BOOM, TYPICAL.
3. REPLACE (E) RECEPTACLE W/ (N) GFCI RECEPTACLE, RECONNECT TO SAME CIRCUIT AS REMOVED.
4. SEE SHEET E-423 FOR CONTINUATION OF CIRCUITS.
5. (E) BOOM SHALL BE DEMOLISHED.
6. EXTEND (E) CIRCUIT TO (N) DEVICE AS INDICATED.

EQUIPMENT LIST

1. (N) SINGLE EQUIPMENT BOOM MOUNTED TO CEILING. THERE SHALL BE (3) DUPLEX RECEPTACLES CONNECTED TO CRITICAL POWER AND (3) DUPLEX RECEPTACLES CONNECTED TO NORMAL POWER.
2. (N) WALL MOUNTED EXAM LIGHT (+92" AFF). 120V, 1.5A. CONNECT TO (E) CRITICAL BRANCH SPARE CIRCUIT BREAKER INDICATED.
3. (N) TANDEM-MOUNTED EQUIPMENT BOOM WITH INTEGRATED SURGICAL LIGHT MOUNTED TO CEILING. THERE SHALL BE (3) DUPLEX RECEPTACLES CONNECTED TO CRITICAL POWER, (3) DUPLEX RECEPTACLES CONNECTED TO NORMAL POWER.
4. (N) SURGICAL LIGHT MOUNTED ON (N) TANDEM EQUIPMENT BOOM. CONNECT TO (N) INTEGRATED WALL CONTROL NOTED BELOW FOR POWER AND CONTROLS.
5. (N) INTEGRATED WALL CONTROL (+43" AFF) FOR SURGICAL LIGHT, 120V, 7A. CONNECT TO (E) CRITICAL BRANCH SPARE CIRCUIT BREAKER INDICATED.
6. (N) OVERHEAD EQUIPMENT BOOM ELECTRO/MECHANICAL BRAKES, 120V, 2A. CONNECT TO (E) NORMAL BRANCH RECEPTACLE CIRCUIT INDICATED.
- A 7. (N) DIAGNOSTIC EQUIPMENT. PROVIDE RECESSED IN-WALL BACK-BOX FOR RECEPTACLE, SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND MOUNTING HEIGHT, CHIEF #PAC525 WALL ENCLOSURE OR APPROVED EQUIVALENT.

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
6/26/2025, 2:54:24 PM
S250003-34-00
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

DESIGN PROFESSIONALS OF RECORD:

Licensed Electrical Engineer — No. E 18476 — 03/27/2025

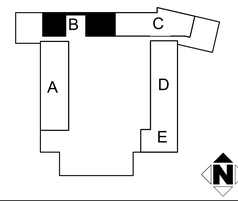
UC DAVIS HEALTH
Facilities Design & Construction
4800 2nd Avenue Suite 3010
Sacramento, California 95817
(916)734-7934

TAYLOR design

REV	REVISION DESCRIPTION	DATE
A	OSHPD BC1 SUBMITTAL	03/21/2025

CONST. DOCUMENTS

KEYPLAN



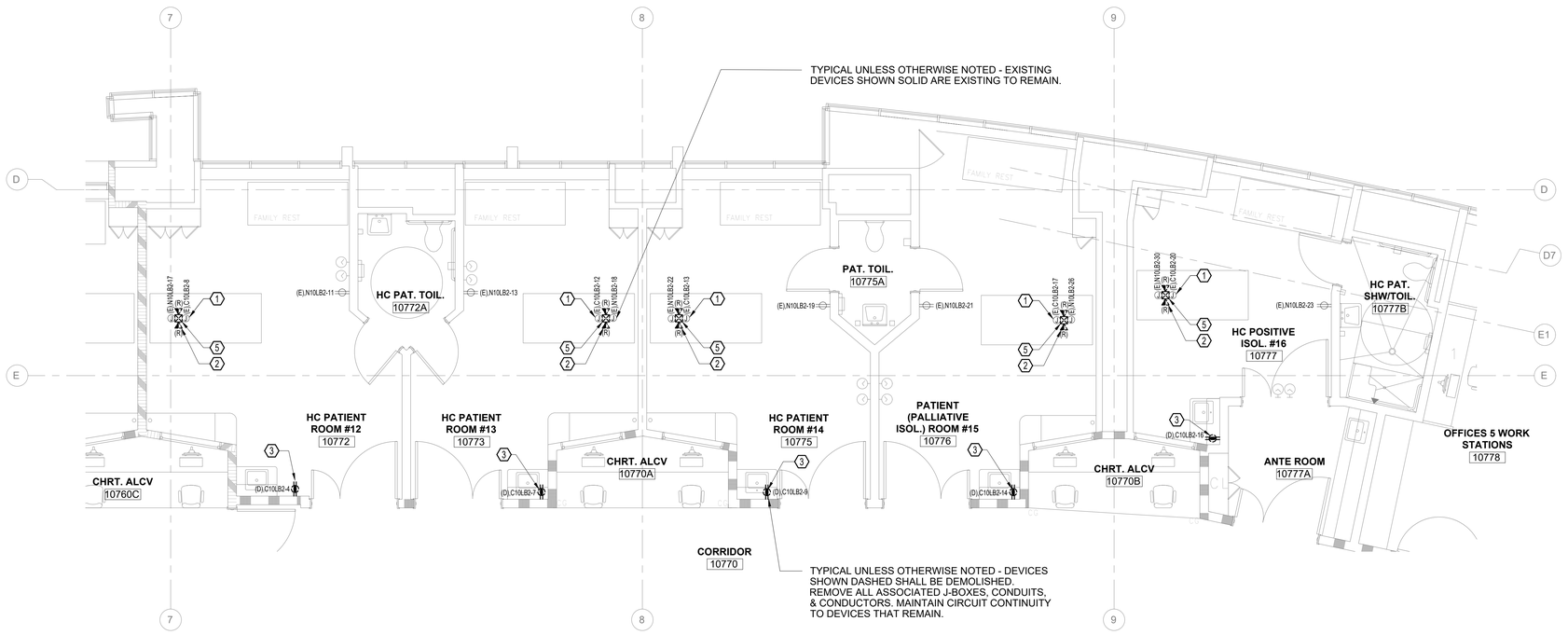
TAYLOR design
REVIEWED FOR GENERAL CONFORMANCE
Date: 03/21/2025
This document has been prepared by other design professionals, or consultants who are licensed and/or authorized to prepare such drawings in this state. It has been examined by me for:
1) design intent and appears to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me, and
2) coordination with my plans and specifications and is acceptable for the purpose of the construction of this project.
SIGNATURE PROVIDED PER CAC 7-115
LICENSE NUMBER: C-3936
DATE: 03/20/2025
This Statement of General Conformance shall not be construed as a certification of Design Per the requirements of Section 136605 of the Health and Safety Code and Sections 7-115 (a.3), (b), and (c), 7-126 and 7-132 of Title 24, Part 1.

UCDH PROJECT NO.: 9557750
HCAI - OSHPD NO.: TBD
BUILDING: BLDG-01445
FLOOR \ WING: 10TH FLOOR
PROJECT TITLE: DT10 PICU CEILING TILE & BOOM REPLACEMENT
SHEET TITLE: ENLARGED 10TH FLOOR PLAN - DEMO & NEW ELECTRICAL - SEGMENT B

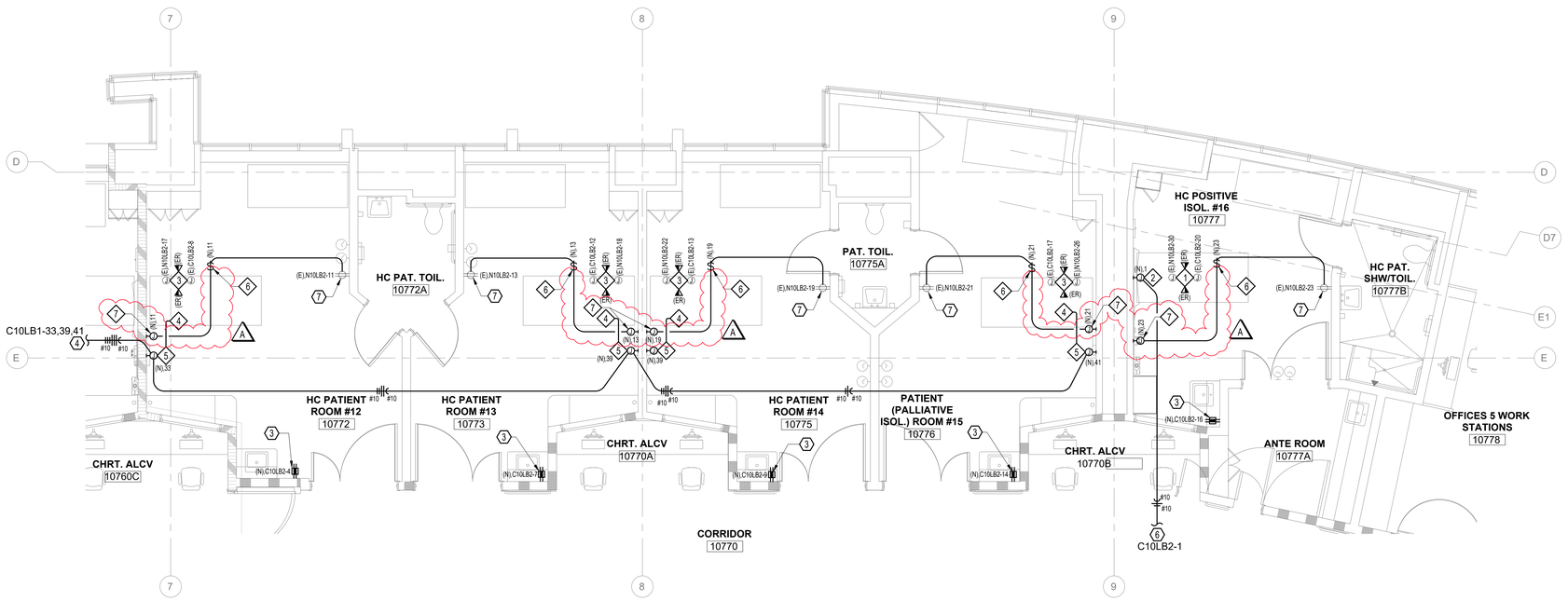
EDGE ELECTRICAL CONSULTING
Project Number J431
Contact LAI VO
400 R Street, Ste 333
Sacramento, CA 95811
916.256.2460
Sacramento | Alameda | Irvine

ARCH.\ENGR.	FD&C JOB NO.	SHEET NO.
ARCH	9557750 - L010335	E-422
UCDMC PROJ. MANAGER	SCALE	
SEJAL SHARMA	AS NOTED	
DESIGNED BY	DATE	
LAI VO	03/28/25	
DRAWN BY	CAD FILE	SHEET / OF
ANH LE	-	

FILE NAME:



1 ENLARGED 10TH FLOOR PLAN - DEMO ELECTRICAL - SEGMENT C
1/4" = 1'-0"



2 ENLARGED 10TH FLOOR PLAN - NEW ELECTRICAL - SEGMENT C
1/4" = 1'-0"

SHEET NOTES

1. SEE OVERALL FLOOR PLAN FOR (E) PANEL LOCATIONS.
2. U.O.N, ALL DIMENSIONS ARE TO TOP OF BOX.

NUMBERED NOTES

1. (E) J-BOXES FOR CRITICAL AND NORMAL POWER CIRCUITS FROM REMOVED BOOM SHALL BE REUSED FOR (N) BOOM, RECONNECT TO (N) BOOM AS REQUIRED.
2. (E) DATA OUTLETS AT REMOVED BOOM SHALL BE REINSTALLED ON (N) BOOM, TYPICAL.
3. REPLACE (E) RECEPTACLE W/ (N) GFCI RECEPTACLE, RECONNECT TO SAME CIRCUIT AS REMOVED.
4. SEE SHEET E-422 FOR CONTINUATION OF CIRCUITS.
5. (E) BOOM SHALL BE DEMOLISHED.
6. SEE SHEET E-424 FOR CONTINUATION OF CIRCUIT.
7. EXTEND (E) CIRCUIT TO (N) DEVICE AS INDICATED.

EQUIPMENT LIST

1. (N) SINGLE EQUIPMENT BOOM MOUNTED TO CEILING. THERE SHALL BE (3) DUPLEX RECEPTACLES CONNECTED TO CRITICAL POWER AND (3) DUPLEX RECEPTACLES CONNECTED TO NORMAL POWER.
2. (N) WALL MOUNTED EXAM LIGHT (+92" AFF). 120V, 1.5A. CONNECT TO (E) CRITICAL BRANCH SPARE CIRCUIT BREAKER INDICATED.
3. (N) TANDEM-MOUNTED EQUIPMENT BOOM WITH INTEGRATED SURGICAL LIGHT MOUNTED TO CEILING. THERE SHALL BE (3) DUPLEX RECEPTACLES CONNECTED TO CRITICAL POWER, (3) DUPLEX RECEPTACLES CONNECTED TO NORMAL POWER.
4. (N) SURGICAL LIGHT MOUNTED ON (N) TANDEM EQUIPMENT BOOM. CONNECT TO (N) INTEGRATED WALL CONTROL NOTED BELOW FOR POWER AND CONTROLS.
5. (N) INTEGRATED WALL CONTROL (+43" AFF) FOR SURGICAL LIGHT, 120V, 7A. CONNECT TO (E) CRITICAL BRANCH SPARE CIRCUIT BREAKER INDICATED.
6. (N) OVERHEAD EQUIPMENT BOOM ELECTRO/MECHANICAL BRAKES, 120V, 2A. CONNECT TO (E) NORMAL BRANCH RECEPTACLE CIRCUIT INDICATED.
7. (N) DIAGNOSTIC EQUIPMENT. PROVIDE RECESSED IN-WALL BACK-BOX FOR RECEPTACLE, SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND MOUNTING HEIGHT, CHIEF #PAC525 WALL ENCLOSURE OR APPROVED EQUIVALENT.

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
6/26/2025, 2:54:24 PM
S250003-34-00
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

DESIGN PROFESSIONALS OF RECORD:

03/27/2025

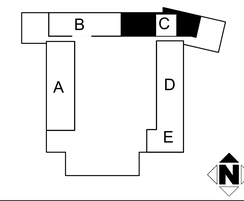
UCDAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
SACRAMENTO, CALIFORNIA 95817
(916)734-7934

TAYLOR design

REV	REVISION DESCRIPTION	DATE
A	OSHPD BC1 SUBMITTAL	03/21/2025

CONST. DOCUMENTS

KEYPLAN



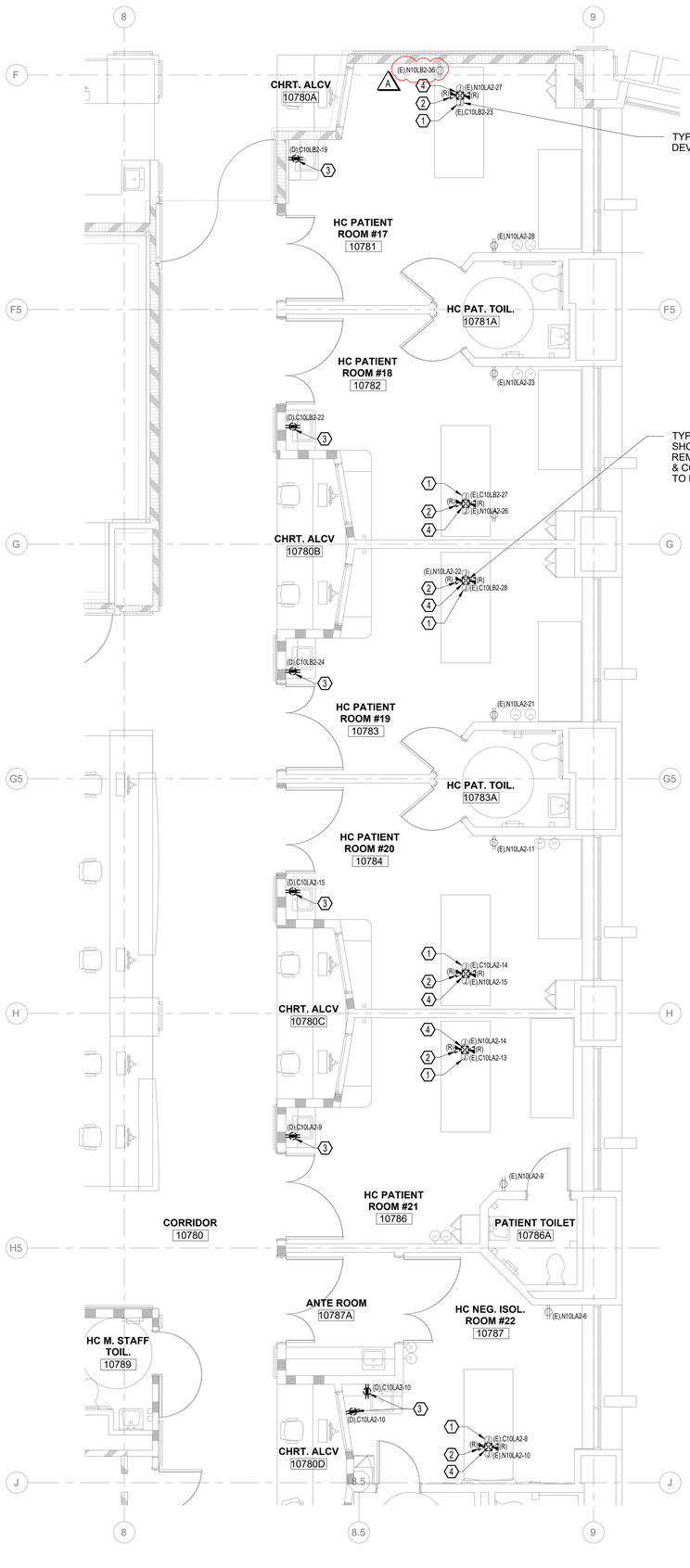
TAYLOR design
REVIEWED FOR GENERAL CONFORMANCE
OSHPD BC1
This document has been prepared by other design professionals, or consultants who are licensed and/or authorized to prepare such drawings in this state. It has been examined by me for:
1) design intent and appears to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me, and
2) coordination with my plans and specifications and is acceptable for incorporation into construction of this project.
SIGNATURE PROVIDED PER CAC 7-115
LICENSE NUMBER: C-3036
DATE: 03/28/2025
This Statement of General Conformance shall not be construed as relieving any party of its full responsibility for compliance with 19960 of the Health and Safety Code and Sections 7-115 (a.3), (b), and (c), 7-126 and 7-132 of Title 24, Part 1.

UCDH PROJECT NO.: 9557750
HCAI - OSHPD NO.: TBD
BUILDING: BLDG-01445
FLOOR | WING: 10TH FLOOR
PROJECT TITLE: DT10 PICU CEILING TILE & BOOM REPLACEMENT
SHEET TITLE: ENLARGED 10TH FLOOR PLAN - DEMO & NEW ELECTRICAL - SEGMENT C

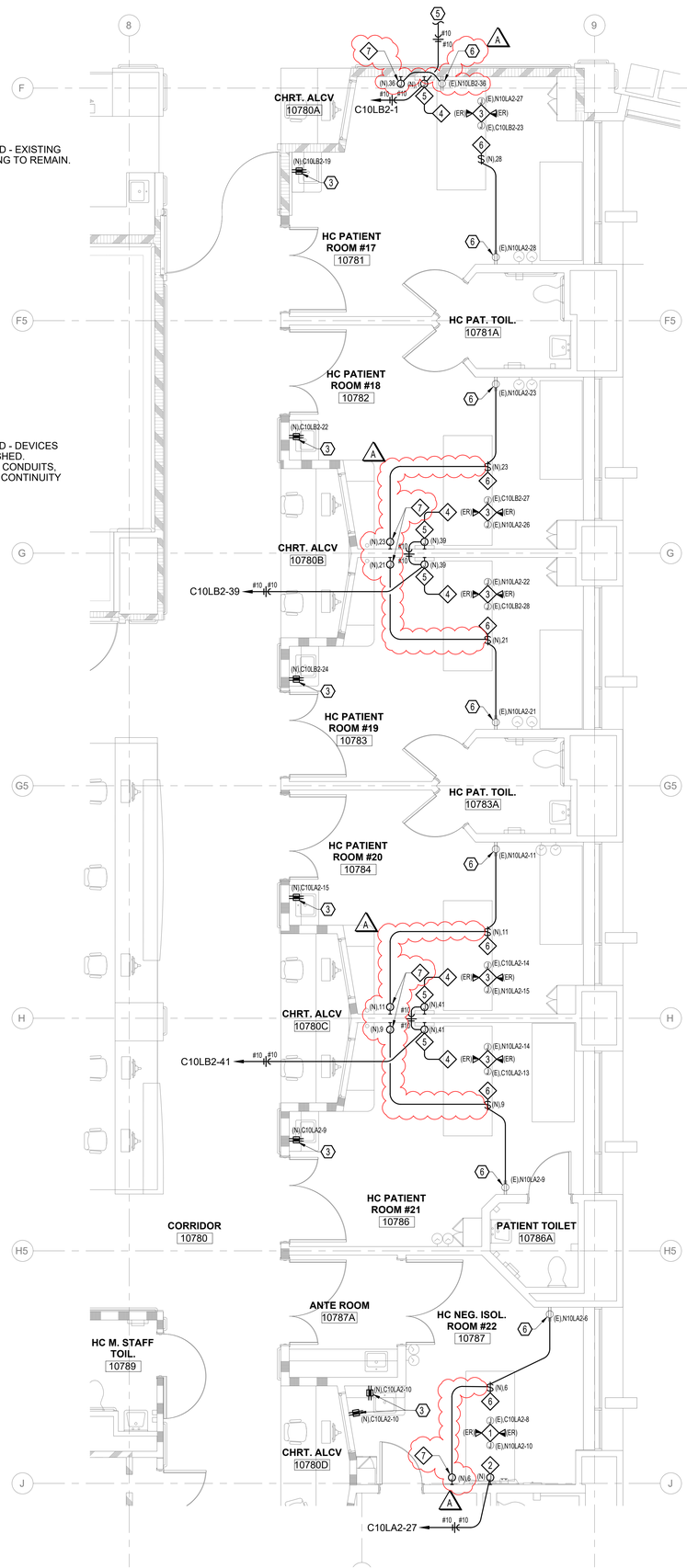
EDGE ELECTRICAL CONSULTING
Project Number J431
Contact LAI VO
400 R Street, Ste 333
Sacramento, CA 95811
916.256.2460
Sacramento | Alameda | Irvine

ARCH.\ENGR.	FD&C JOB NO.	SHEET NO.
ARCH	9557750 - L010335	E-423
UCDMC PROJ. MANAGER	SCALE	
SEJAL SHARMA	AS NOTED	
DESIGNED BY	DATE	
LAI VO	03/28/25	
DRAWN BY	CAD FILE	SHEET / OF
ANH LE	-	

FILE NAME:



2 ENLARGED 10TH FLOOR PLAN -DEMO ELECTRICAL - SEGMENT D
1/4" = 1'-0"



1 ENLARGED 10TH FLOOR PLAN - NEW ELECTRICAL - SEGMENT D
1/4" = 1'-0"

SHEET NOTES

1. SEE OVERALL FLOOR PLAN FOR (E) PANEL LOCATIONS.
2. U.O.N, ALL DIMENSIONS ARE TO TOP OF BOX.

NUMBERED NOTES

1. (E) J-BOXES FOR CRITICAL AND NORMAL POWER CIRCUITS FROM REMOVED BOOM SHALL BE REUSED FOR (N) BOOM.
2. (E) DATA OUTLETS AT REMOVED BOOM SHALL BE REINSTALLED ON (N) BOOM, TYPICAL.
3. REPLACE (E) RECEPTACLE W/ (N) GFCI RECEPTACLE, RECONNECT TO SAME CIRCUIT AS REMOVED.
4. (E) BOOM SHALL BE DEMOLISHED.
5. SEE SHEET E-423 FOR CONTINUATION OF CIRCUIT.
6. EXTEND (E) CIRCUIT TO (N) DEVICE AS INDICATED.

EQUIPMENT LIST

1. (N) SINGLE EQUIPMENT BOOM MOUNTED TO CEILING. THERE SHALL BE (3) DUPLEX RECEPTACLES CONNECTED TO CRITICAL POWER AND (3) DUPLEX RECEPTACLES CONNECTED TO NORMAL POWER.
2. (N) WALL MOUNTED EXAM LIGHT (+92" AFF). 120V, 1.5A. CONNECT TO (E) CRITICAL BRANCH SPARE CIRCUIT BREAKER INDICATED.
3. (N) TANDEM-MOUNTED EQUIPMENT BOOM WITH INTEGRATED SURGICAL LIGHT MOUNTED TO CEILING. THERE SHALL BE (3) DUPLEX RECEPTACLES CONNECTED TO CRITICAL POWER, (3) DUPLEX RECEPTACLES CONNECTED TO NORMAL POWER.
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5. (N) INTEGRATED WALL CONTROL (+43" AFF) FOR SURGICAL LIGHT, 120V, 7A. CONNECT TO (E) CRITICAL BRANCH SPARE CIRCUIT BREAKER INDICATED.
6. (N) OVERHEAD EQUIPMENT BOOM ELECTRO/MECHANICAL BRAKES, 120V, 2A. CONNECT TO (E) NORMAL BRANCH RECEPTACLE CIRCUIT INDICATED.
7. (N) DIAGNOSTIC EQUIPMENT. PROVIDE RECESSED IN-WALL BACK-BOX FOR RECEPTACLE, SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND MOUNTING HEIGHT, CHIEF #PAC525 WALL ENCLOSURE OR APPROVED EQUIVALENT.

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
6/26/2025, 2:54:24 PM
S250003-34-00
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

DESIGN PROFESSIONALS OF RECORD:

STATE OF CALIFORNIA — ANH KIEU LE — No. E 18416 — ELECTRICAL — 03/27/2025

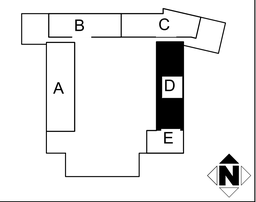
UCDAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
SACRAMENTO, CALIFORNIA 95817
(916)734-7934

TAYLOR design

REV	REVISION DESCRIPTION	DATE
A	OSHPD BC1 SUBMITTAL	03/21/2025

CONST. DOCUMENTS

KEYPLAN



TAYLOR design
REVIEWED FOR GENERAL CONFORMANCE
DATE: 03/21/2025
This document has been prepared by other design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state. It has been examined by me for:
1) design intent and appears to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me, and
2) coordination with my plans and specifications and is acceptable for incorporation into the construction of this project.
SIGNATURE PROVIDED PER CAC § 5.539
LICENSE NUMBER: C-3035
EXPIRATION DATE:
This Statement of General Conformance shall not be construed as relieving me of my rights, duties, and responsibilities under Section 5536 of the Business and Professions Code, Sections 7.51 to 8.31, and 11.126 and 1.132 of Title 24, Part 1.

UCDH PROJECT NO.: 9557750
HCAI - OSHPD NO.: TBD
BUILDING: BLDG-01445
FLOOR \ WING: 10TH FLOOR
PROJECT TITLE: DT10 PICU CEILING TILE & BOOM REPLACEMENT
SHEET TITLE: ENLARGED 10TH FLOOR PLAN - DEMO & NEW ELECTRICAL - SEGMENT D

ARCH.\ENGR.	FD&C JOB NO.	SHEET NO.
ARCH	9557750 - L010335	E-424
UCDMC PROJ. MANAGER	SCALE	
SEJAL SHARMA	AS NOTED	
DESIGNED BY	DATE	
LAI VO	03/28/25	
DRAWN BY	CAD FILE	SHEET OF
ANH LE	-	

EDGE ELECTRICAL CONSULTING
Project Number J431
Contact LAI VO
400 R Street, Ste 333
Sacramento, CA 95811
916.256.2460
Sacramento | Alameda | Irvine

FILE NAME:

SHEET NOTES

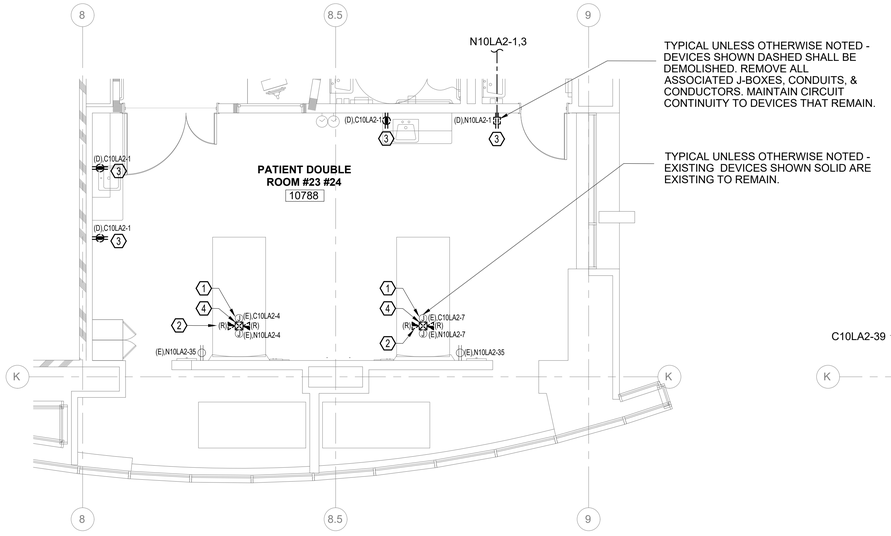
1. SEE OVERALL FLOOR PLAN FOR (E) PANEL LOCATIONS.
2. U.O.N, ALL DIMENSIONS ARE TO TOP OF BOX.

NUMBERED NOTES

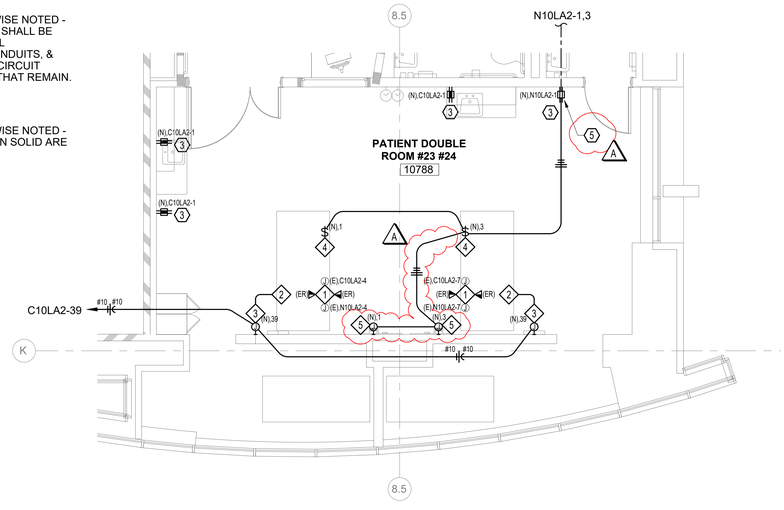
1. (E) J-BOXES FOR CRITICAL AND NORMAL POWER CIRCUITS FROM REMOVED BOOM SHALL BE REUSED FOR (N) BOOM.
2. (E) DATA OUTLETS AT REMOVED BOOM SHALL BE REINSTALLED ON (N) BOOM, TYPICAL.
3. REPLACE (E) RECEPTACLE W/ (N) GFCI RECEPTACLE, RECONNECT TO SAME CIRCUIT AS REMOVED.
4. (E) BOOM SHALL BE DEMOLISHED.
5. EXTEND (E) CIRCUIT TO (N) DEVICE AS INDICATED.

EQUIPMENT LIST

1. (N) TANDEM-MOUNTED EQUIPMENT BOOM WITH INTEGRATED SURGICAL LIGHT MOUNTED TO CEILING. THERE SHALL BE (3) DUPLEX RECEPTACLES CONNECTED TO CRITICAL POWER, (3) DUPLEX RECEPTACLES CONNECTED TO NORMAL POWER.
2. (N) SURGICAL LIGHT MOUNTED ON (N) TANDEM EQUIPMENT BOOM. CONNECT TO (N) INTEGRATED WALL CONTROL NOTED BELOW FOR POWER AND CONTROLS.
3. (N) INTEGRATED WALL CONTROL (+43" AFF) FOR SURGICAL LIGHT, 120V, 7A. CONNECT TO (E) CRITICAL BRANCH SPARE CIRCUIT BREAKER INDICATED.
4. (N) OVERHEAD EQUIPMENT BOOM ELECTRO/MECHANICAL BRAKES, 120V, 2A. CONNECT TO (E) NORMAL BRANCH RECEPTACLE CIRCUIT INDICATED.
5. (N) DIAGNOSTIC EQUIPMENT. PROVIDE RECESSED IN-WALL BACK-BOX FOR RECEPTACLE, SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND MOUNTING HEIGHT, CHIEF #PAC525 WALL ENCLOSURE OR APPROVED EQUIVALENT.



2 ENLARGED 10TH FLOOR PLAN - DEMO ELECTRICAL - SEGMENT E
1/4" = 1'-0"



1 ENLARGED 10TH FLOOR PLAN - NEW ELECTRICAL - SEGMENT E
1/4" = 1'-0"

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
6/26/2025, 2:54:24 PM
S250003-34-00
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

LICENSED ELECTRICAL ENGINEER — No. E 18476 — STATE OF CALIFORNIA
03/27/2025

DESIGN PROFESSIONALS OF RECORD:

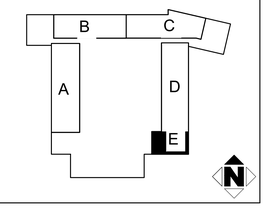
UCDAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
SACRAMENTO, CALIFORNIA 95817
(916)734-7024

TAYLOR design

REV	REVISION DESCRIPTION	DATE
A	OSHPD BC1 SUBMITTAL	03/21/2025

CONST. DOCUMENTS

KEYPLAN



TAYLOR design
REVIEWED FOR GENERAL CONFORMANCE (GRAPH)
This document has been prepared by other design professionals, or consultants who are licensed and/or authorized to prepare such drawings in this state. It has been examined by me for:
1) design intent and appears to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me, and
2) coordination with my plans and specifications and is acceptable for incorporation into the construction of this project.
SIGNATURE PROVIDED PER CAC 7-115
LICENSE NUMBER: C-3006
DATE: 03/28/2025
This Statement of General Conformance shall not be construed as a certification of detail design and shall not relieve users thereof of compliance with Section 129005 of the Health and Safety Code and Sections 7-115.1a.2c, 2cc, and (c), 7-120 and 7-122 of Title 24, Part 1.

UCDH PROJECT NO.: 9557750
HCAI - OSHPD NO.: TBD
BUILDING: BLDG-01445
FLOOR \ WING: 10TH FLOOR
PROJECT TITLE: DT10 PICU CEILING TILE & BOOM REPLACEMENT
SHEET TITLE: ENLARGED 10TH FLOOR PLAN - DEMO & NEW ELECTRICAL - SEGMENT E

EDGE ELECTRICAL CONSULTING

Project Number J431
Contact LAI VO

400 R Street, Ste 333
Sacramento, CA 95811
916.256.2460

Sacramento | Alameda | Irvine

ARCH.\ENGR.	FD&C JOB NO.	SHEET NO.
ARCH	9557750 - L010335	E-425
UCDMC PROJ. MANAGER	SCALE	
SEJAL SHARMA	AS NOTED	
DESIGNED BY	DATE	
LAI VO	03/28/25	
DRAWN BY	CAD FILE	SHEET OF
ANH LE	-	

FILE NAME:

(E) PANEL 'N10LA1'

LOCATION:	ELEC RM 10721	MOUNTING:	SECTION 1 OF 2	BUS RATING: 225 AMP	THREE PHASE	VOLTAGE
PANEL A.I.C.	10,000		SERVING NORMAL	MAIN BREAKER: 225 AMP	4-WIRE	208Y/120
		X SURFACE	FLUSH	MAIN LUGS ONLY		
				FED-THRU LUGS		

LOAD DESCRIPTION	KVA LOAD CONT.	RECP.	MOTOR	NON	C. B. AMP	POLE	CKT #	PH	CKT #	C. B. POLE	AMP	KVA LOAD CONT.	RECP.	MOTOR	NON	LOAD DESCRIPTION
(E) DEECO LTG - 10717	0.20				20	1	1	A	2	1	20	0.20				(E) DECO LTG - 10785
(E) DECO LTG - 10715	0.90				20	1	3	B	4	1	20		0.72			(E) CORRIDOR RECEPTS
(E) RECEPT VENDING - 10703		1.44			20	1	5	C	6	1	20		0.72			(E) PROJECTOR/COMP/RECEPT
(E) RECEPT VENDING - 10703		1.44			20	1	7	A	8	1	20		0.90		0.30	(E) RECEPT/TV MICRO - 10703
(E) RECEPT VENDING - 10703		1.44			20	1	9	B	10	1	20				1.64	(E) MICROWAVE RM 10703
(E) RECEPTS - 10723		0.54			20	1	11	C	**12**	1	20	**1.26**	**0.24**			**(E) RECEPTS 10726 (N) BM BRAKE**
(E) RECEPTS 10724 (N) BM BRAKE		1.08	**0.24**		20	1	**13**	A	**14**	1	20	**1.26**	**0.24**			**(E) RECEPTS 10727 (N) BM BRAKE**
(E) HEADWALL RECEPT - 10724		1.44			20	1	15	B	16	1	20	1.44				(E) HEADWALL RECEPT - 10726
(N) BOOM RECEPTS - 10724		**0.54**			20	1	**17**	C	**18**	1	20	**0.54**				**(N) BOOM RECEPTS - 10726**
(E) HEADWALL RECEPT - 10727		1.44			20	1	19	A	20	1	20		1.26			(E) RECEPT - 10717
(N) BOOM RECEPTS - 10727		**0.54**			20	1	**21**	B	**22**	1	20		0.18		0.50	(E) PROJECTOR/COMP/RECEPT
(E) RECEPT, LABEL PRNTR		1.08			20	1	23	C	24	1	20		0.72			(E) RECEPT - 10747A
(E) RECEPT/FAX/PRNTR		0.18		1.07	20	1	25	A	26	1	20		0.18		0.76	(E) PROJ.V. BOX/COMP/RECEPT
(E) RECEPTACLE		1.44			20	1	27	B	28	1	20		0.18			(E) RECEPT - 10717
(E) PLUGSTRIP TELECOM - 10722			1.25	60	2	29	C	30	1	20						(E) SPARE
			1.25			31	A	32	1	20						(E) SPARE
SPARE			1.80	20	1	33	B	34	1	20						(E) SPACE
(E) RECEPT - 10722			1.80	20	1	35	C	36	1	20						(E) SPACE
(E) UPS PWR - 10722			0.75			37	A	38	1							SPACE
			0.75	30	3	39	B	40	1							SPACE
			0.75			41	C	42	1							SPACE
TOTALS ——>	1.10	12.60	0.24	9.42								0.20	9.36	0.48	3.20	<—— TOTALS

TOTAL CONTINUOUS LOAD @ 125%:			1.63	KVA
TOTAL RECEPTACLE LOAD, 100% FOR FIRST 10KVA, & 50% FOR REMAINDER:			30.02	KVA
TOTAL NONCONTINUOUS LOAD:			20.85	KVA
TOTAL MOTOR LOAD:			2.64	KVA
LARGEST MOTOR @ 25%:	0.24	KVA	0.06	KVA

TOTAL DEMAND LOAD:	55.20 KVA	CONNECTED KVA TOTAL/PHASE	A	B	C	MINIMUM FEEDER CAPACITY	55.20 KVA	153.21 AMP
			26.06	24.45	24.32			

(E) PANEL 'N10LA2'

LOCATION:	ELEC RM 10721	MOUNTING:	SECTION 2 OF 2	BUS RATING: 225 AMP	THREE PHASE	VOLTAGE
PANEL A.I.C.	10,000		SERVING NORMAL	MAIN BREAKER:	4-WIRE	208Y/120
		X SURFACE	FLUSH	MAIN LUGS ONLY		
				FED-THRU LUGS		

LOAD DESCRIPTION	KVA LOAD CONT.	RECP.	MOTOR	NON	C. B. AMP	POLE	CKT #	PH	CKT #	C. B. POLE	AMP	KVA LOAD CONT.	RECP.	MOTOR	NON	LOAD DESCRIPTION
(E) RECEPTS 10788 (N) BM BRAKE		**1.08**	**0.24**		20	1	**1**	A	2	1	20		1.44			(E) HEWADWALL RECEPT - 10788
(E) RECEPTS 10788 (N) BM BRAKE		**1.08**	**0.24**		20	1	**3**	B	**4**	1	20		**0.54**			**(N) BOOM RECEPTS - 10788**
(E) HEADWALL RECEPT - 10788		1.44			15	1	5	C	**6**	1	20		**1.08**	**0.24**		**(E) RECEPTS 10787 (N) BM BRAKE**
(N) BOOM RECEPTS - 10788		**0.54**			20	1	**7**	A	8	1	20		1.44			(E) HEADWALL RECEPT - 10787
(E) RECEPTS 10786 (N) BM BRAKE		**1.26**	**0.24**		20	1	**9**	B	**10**	1	20		**0.54**			**(N) BOOM RECEPTS - 10787**
(E) RECEPTS 10784 (N) BM BRAKE		**1.26**	**0.24**		20	1	**11**	C	12	1	20		1.44			(E) HEADWALL RECEPT - 10786
(E) HEADWALL RECEPT - 10784		1.44			20	1	13	A	**14**	1	20		**0.54**			**(N) BOOM RECEPTS - 10786**
(N) BOOM RECEPTS - 10784		**0.54**			20	1	**15**	B	16	1	20		0.54		0.12	(E) RECEPT/MONITOR - 10785
(E) RECEPTACLE		0.72			17	C	18	1	20				0.36		0.97	(E) RECEPT/PRINTER/R/TV
(E) RECEPTACLE		0.72			19	A	20	1	20				1.44			(E) HEADWALL RECEPT - 10783
(E) RECEPTS 10783 (N) BM BRAKE		**1.08**	**0.24**		20	1	**21**	B	**22**	1	20		**0.54**			**(N) BOOM RECEPTS - 10783**
(E) RECEPTS 10782 (N) BM BRAKE		**1.26**	**0.24**		20	1	**23**	C	24	1	20		1.44			(E) HEADWALL RECEPT - 10782
(E) HEADWALL RECEPT - 10781		1.44			20	1	25	A	**26**	1	20		**0.54**			**(N) BOOM RECEPTS - 10782**
(N) BOOM RECEPTS - 10781		**0.54**			20	1	**27**	B	**28**	1	20		0.72	**0.24**		**(E) RECEPTS 10781 (N) BM BRAKE**
(E) EWC-1				0.53	20	1	29	C	30	1	20		0.72		0.30	(E) RECEPT/TV/DVD
(E) ELEC. BEDS, RECEPT, MIDMARK		**0.18**		1.20	20	1	**31**	A	32	1	20				1.07	(E) PRNTER/FAX
(E) ELEC. BEDS, MIDMARK BRD		**0.18**		1.20	20	1	**33**	B	34	1	20				1.64	(E) MICROWAVE
(E) ELECTRIC BEDS				1.20	20	1	35	C	36	1						SPACE
(E) SPARE					20	1	37	A	38	1						SPACE
(E) SPARE					20	1	39	B	40	1						SPACE
(E) SPARE					20	1	41	C	42	1						SPACE
TOTALS ——>	0.00	14.76	1.44	4.13								0.00	13.32	0.48	4.10	<—— TOTALS

SEE PANEL 'N10LA1' FOR PANEL LOAD SUMMARY

(E) PANEL 'N10LB1'

LOCATION:	ELEC RM 10749	MOUNTING:	SECTION 1 OF 2	BUS RATING: 225 AMP	THREE PHASE	VOLTAGE
PANEL A.I.C.	10,000		SERVING NORMAL	MAIN BREAKER: 225 AMP	4-WIRE	208Y/120
		X SURFACE	FLUSH	MAIN LUGS ONLY		
				FED-THRU LUGS		

LOAD DESCRIPTION	KVA LOAD CONT.	RECP.	MOTOR	NON	C. B. AMP	POLE	CKT #	PH	CKT #	C. B. POLE	AMP	KVA LOAD CONT.	RECP.	MOTOR	NON	LOAD DESCRIPTION
(E) DECORATIVE LTG - 10765	0.06				20	1	1	A	2	1	20	0.06				(E) DECO LTG - 10774
(E) CORRIDOR RECEPTACLE		0.72			20	1	3	B	4	1	20		0.72			(E) CORRIDOR RECEPT
(E) CORRIDOR RECEPTACLE		0.72			20	1	5	C	**6**	1	20		0.72	**0.24**		**(E) RECEPTS 10733 (N) BM BRAKE**
(E) RECEPTS 10728 (N) BM BRAKE		**1.26**	**0.24**		20	1	**7**	A	8	1	20		1.44			(E) HEADWALL RECEPT - 10733
(E) RECEPTS 10729 (N) BM BRAKE		**1.08**	**0.24**		20	1	**9**	B	**10**	1	20		**0.54**			**(N) BOOM RECEPTS - 10733**
(E) HEADWALL RECEPT - 10729		1.44			20	1	11	C	12	1	20		0.72			(E) RECEPTACLE - 10761
(N) BOOM RECEPTS - 10728		**0.54**			20	1	**13**	A	14	1	20				1.64	(E) MICROWAVE
(E) HEADWALL RECEPT - 10729		1.44			20	1	15	B	16	1	20				1.64	(E) MICROWAVE
(N) BOOM RECEPTS - 10729		**0.54**			20	1	**17**	C	18	1	20				1.64	(E) MICROWAVE
(E) RECEPTS 10762 (N) BM BRAKE		**0.54**	**0.24**		20	1	**19**	A	**20**	1	20	**1.26**	**0.24**			**(E) RECEPTS 10763 (N) BM BRAKE**
(E) HEADWALL RECEPT - 10762		1.44			20	1	21	B	**22**	1	20	**1.08**	**0.24**			**(E) RECEPTS 10764 (N) BM BRAKE**
(N) BOOM RECEPTS - 10762		**0.54**			20	1	**23**	C	24	1	20	1.44				(E) HEADWALL RECEPT - 10764
(E) HEADWALL RECEPT - 10766		1.44			20	1	25	A	**26**	1	20	**0.54**				**(N) BOOM RECEPTS - 10764**
(N) BOOM RECEPTS - 10766		**0.54**			20	1	**27**	B	28	1	20	0.90				(E) RECEPTACLE - 10742
(E) HEADWALL RECEPT - 10763		1.44			20	1	29	C	30	1	20					(E) SPARE
(N) BOOM RECEPTS - 10763		**0.54**			20	1	**31**	A	32	1	20					(E) SPARE
(E) RECEPTACLE		1.44			20	1	33	B	34	1	20					(E) SPARE
(E) COM-B-LIL-30				1.80	20	1	35	C	36	1	20					(E) SPARE
(E) SPARE					20	1	37	A	38	1						SPACE
(E) SPARE					20	1	39	B	40	1						SPACE
(E) SPARE					20	1	41	C	42	1						SPACE
TOTALS ——>	0.06	15.66	0.72	1.80								0.06	9.36	0.72	4.92	<—— TOTALS

TOTAL CONTINUOUS LOAD @ 125%:			0.15	KVA
TOTAL RECEPTACLE LOAD, 100% FOR FIRST 10KVA, & 50% FOR REMAINDER:			30.20	KVA
TOTAL NONCONTINUOUS LOAD:			28.54	KVA
TOTAL MOTOR LOAD:			3.36	KVA
LARGEST MOTOR @ 25%:	0.24	KVA	0.06	KVA

TOTAL DEMAND LOAD:	62.31 KVA	CONNECTED KVA TOTAL/PHASE	A	B	C	MINIMUM FEEDER CAPACITY	62.31 KVA	172.96 AMP
			26.87	29.02	26.53			

(E) PANEL 'N10LB2'

LOCATION:	ELEC RM 10749	MOUNTING:	SECTION 2 OF 2	BUS RATING: 225 AMP	THREE PHASE	VOLTAGE
PANEL A.I.C.	10,000		SERVING NORMAL	MAIN BREAKER:	4-WIRE	208Y/120
		X SURFACE	FLUSH	MAIN LUGS ONLY		
				FED-THRU LUGS		

LOAD DESCRIPTION	KVA LOAD CONT.	RECP.	MOTOR	NON	C. B. AMP	POLE	CKT #	PH	CKT #	C. B. POLE	AMP	KVA LOAD CONT.	RECP.	MOTOR	NON	LOAD DESCRIPTION
(E) RECEPTS 10766 (N) BM BRAKE		**1.08**	**0.24**		20	1	**1**	A	2	1	20		1.44			(E) HEADWALL RECEPT - 10767
(E) RECEPTS 10767 (N) BM BRAKE		**1.26**	**0.24**		20	1	**3**	B	**4**	1	20		**0.54**			**(N) BOOM RECEPTS - 10767**
(E) PRINTER/FAX/RECEPT - 10765		0.18		1.07	20	1	5	C	**6**	1	20		1.08	**0.24**		**(E) RECEPTS 10732 (N) BM BRAKE**
(E) PRINTER/FAX/RECEPT - 10748		0.18		1.07	20	1	7	A	8	1	20		0.90			(E) RECEPT/WIREMOLD - 10731
(E) RECEPTACLES/COMP		0.36		0.60	20	1	9	B	10	1	20		1.08			(E) RECEPT/WIREMOLD - 10731
(E) RECEPTS 10772 (N) BM BRAKE		**1.08**	**0.24**		20	1	**11**	C	12	1	20		0.36			(E) RECEPT/LABEL PRINTER - 10774
(E) RECEPTS 10773 (N) BM BRAKE		**1.26**	**0.24**		20	1	**13**	A	14	1	20		1.08			(E) RECEPT/WIREMOLD - 10742
(E) HEADWALL RECEPT - 10772		1.44			20	1	15	B	16	1	20		1.44			(E) HEADWALL RECEPT - 10773
(N) BOOM RECEPTS - 10772		**0.54**			20	1	**17**	C	**18**	1	20		**0.54**			**(N) BOOM RECEPTS - 10773**
(E) RECEPTS 10775 (N) BM BRAKE		**1.08**	**0.24**		20	1	**19**	A	20	1	20		1.44			(E) HEADWALL RECEPT - 10775
(E) RECEPTS 10776 (N) BM BRAKE		**1.08**	**0.24**		20	1	**21**	B	**22**	1	20		**0.54**			**(N) BOOM RECEPTS - 10775**
(E) RECEPTS 10777 (N) BM BRAKE		**1.26**	**0.24**		20	1	**23**	C	24	1	20		1.44			(E) HEADWALL RECEPT - 10776
(E) PRINTER/FAX/COMP				1.37	20	1	25	A	**26**	1	20		**0.54**			**(N) BOOM RECEPTS - 10776**
(E) MICROWAVE				1.64	20	1	27	B	28	1	20		1.44			(E) HEADWALL RECEPT - 10777
(E) COMPUTER				1.20	20	1	29	C	**30**	1	20		**0.54**			**(N) BOOM RECEPTS - 10777**
(E) LAPTOP COMP				0.60	20	1	31	A	32	1	20				1.20	(E) ELECTRIC BEDS - 10777
(E) SPARE					20	1	33	B	34	1	20				1.20	(E) ELECTRIC BEDS
(E) SPARE					20	1	35	C	**36**	1	20		**0.18**		1.20	(E) ELECTRIC BEDS, **MIDMARK**
(E) FAX/PRINTER				1.07	20	1	37	A	38	1	20				1.65	(E) ELECTRIC BEDS
(E) SPARE					20	1	39	B	40	**2**	**50**				**3.90**	**TEMP POWER**
(E) SPARE					20	1	41	C	42						**3.90**	
TOTALS ——>	0.00	10.80	1.68	8.62								0.00	14.58	0.24	13.20	<—— TOTALS

SEE (E) PANEL 'N10LB1' FOR PANEL LOAD SUMMARY

(E) PANEL 'C10LA1'

LOCATION:	RM 10721	MOUNTING:	SECTION 1 OF 2	BUS RATING: 225 AMP	THREE PHASE	VOLTAGE
PANEL A.I.C.	10,000		SERVING CRITICAL	X 225-AMP MAIN BREAKER	4-WIRE	208Y/120
		X SURFACE	FLUSH	MAIN LUGS ONLY		
				FED-THRU LUGS		

LOAD DESCRIPTION	KVA LOAD CONT.	RECP.	MOTOR	NON	C. B. AMP	POLE	CKT #	PH	CKT #	C. B. POLE	AMP	KVA LOAD CONT.	RECP.	MOTOR	NON	LOAD DESCRIPTION
(E) SPARE					20	1	1	A	2	1	20		1.44			(E) SPARE
(E) SPARE					20	1	3	B	4	1	20				1.26	(E) COMPUTER/FAX
(E) COMPUTERS - 10703				0.60	20	1	5	C	6	1	20		0.36		0.54	(E) RECEPT/COMP/SENS/MON.
(E) COMP/SENS/RECEPT/MON.		0.36		0.64	20	1	7	A	8	1	20		0.18		0.64	(E) COMP/SENS/MON.
(E) HEADWALL RECEPT - 10724		1.44			20	1	9	B	10	1	20		0.18		0.64	(E) COMP/SENS/MON.
(N) BOOM RECEPTS - 10724		**0.54**			20	1	**11**	C	12	1	20		1.44			(E) HEADWALL RECEPT - 10726
(E) HEADWALL RECEPT - 10727		1.44			20	1	13	A	**14**	1	20		**0.54**			**(N) BOOM RECEPTS - 10726**
(N) BOOM RECEPTS - 10727		**0.54**			20	1	**15**	B	16	1	20		0.18		0.84	(E) COMP/PAT MON/DEFIB.
(E) REFRIG - 10717				0.96	20	1	17	C	18	1	20				0.96	(E) COMP/MON/SENS/DISP.
(E) FAX/PRINTER - 10716				1.07	20	1	19	A	20	1	20				0.90	(E) COMPUTERS - 10714,10715
(E) COPY MACH - 10716				1.20	20	1	21	B	22	1	20				1.08	(E) SPARE
(E) SPARE					20	1	23	C	24	1	20		0.18		0.60	(E) RECEPT/COMP - 10746
(E) SPARE					20	1	25	A	26	1	20					(E) SPARE
(E) SECURITY ACESS PANEL				0.20	20	1	27	B	28	1	20					(E) SPARE
(E) CLOCK RELAY A				0.20	20	1	29	C	30	1	20				0.20	(E) CARD ACCESS CONTROLLER
(E) NURSE CALL CABINET				0.20	20	1	31	A	32	1	20				0.20	(E) SPARE
(E) JCI CONTROL PANEL				0.20	20	1	33	B	34	1						(E) SPACE
(E) ICE MACHINE				1.02	20	1	35	C	36	1						(E) SPACE
(E) ELAPSED TIMER				0.20	20	1	37	A	38	1						(E) SPACE
(E) SPARE					20	1	39	B	40	1						(E) SPACE
(E) SPARE					20	1	41	C	42	1						(E) SPACE
TOTALS ——>	0.00	4.32	0.00	6.49								0.00	3.06	0.00	7.86	<—— TOTALS

TOTAL CONTINUOUS LOAD @ 125%:			2.33	KVA
TOTAL RECEPTACLE LOAD, 100% FOR FIRST 10KVA, & 50% FOR REMAINDER:			15.98	KVA
TOTAL NONCONTINUOUS LOAD:			29.73	KVA
TOTAL MOTOR LOAD:			0.00	KVA
LARGEST MOTOR @ 25%:	0	KVA	0.00	KVA

TOTAL DEMAND LOAD:	48.04 KVA	CONNECTED KVA TOTAL/PHASE	A	B	C	MINIMUM FEEDER CAPACITY	48.04 KVA	133.34 AMP
			16.17	16.62	20.76			

(E) PANEL 'C10LA2'

LOCATION:	RM 10721	MOUNTING:	SECTION 2 OF 2	BUS RATING: 225 AMP	THREE PHASE	VOLTAGE
PANEL A.I.C.	10,000		SERVING CRITICAL	MAIN BREAKER:	4-WIRE	208Y/120
		X SURFACE	FLUSH	MAIN LUGS ONLY		
				FED-THRU LUGS		

LOAD DESCRIPTION	KVA LOAD CONT.	RECP.	MOTOR	NON	C. B. AMP	POLE	CKT #	PH	CKT #	C. B. POLE	AMP	KVA LOAD CONT.	RECP.	MOTOR	NON	LOAD DESCRIPTION
(E) G MON/COMP/RECEPT/SENSOR		0.36		0.64	20	1	1	A	2	1	20		1.44			(E) HEADWALL RECEPT - 10788
(E) G MON/COMP - 10788		0.18		0.60	20	1	3	B	**4**	1	20		**0.54**			**(N) BOOM RECEPTS - 10788**
(E) HEADWALL RECEPT - 10788		1.44			20	1	5	C	6	1	20		1.44			(E) HEADWALL RECEPT - 10788
(N) BOOM RECEPTS - 10788		**0.54**			20	1	**7**	A	8	1	20		**0.54**			**(N) BOOM RECEPTS - 10787**
(E) G MON/COMP/SENSOR		0.18		0.64	20	1	9	B	10	1	20		0.36		0.68	(E) COMP/RECEPT/SENSOR/MMON
(E) HEADWALL RECEPT - 10786		1.44			20	1	11	C	12	1	20		1.44			(E) HEADWALL RECEPT - 10784
(N) BOOM RECEPTS - 10786		**0.54**			20	1	**13**	A	**14**	1	20		**0.54**			**(N) BOOM RECEPTS - 10784**
(E) G MON/COMP/SENSOR		0.18		0.64	20	1	15	B	16	1	20		0.18		0.90	(E) COMP/DEFIR - 10785
(E) REFRIGERATOR				1.06	20	1	17	C	18	1	20		0.00		0.62	(E) COMP/MON/DISPLAY/SENS
(E) X-RAY		1.44			20	1	19	A	20	1	20				0.60	(E) COMPUTER - 10743
(E) X-RAY		1.44			20	1	21	B	22	1	20				0.12	(E) CHEXIT DOOR PWR SUPPLY
(E) REFRIGERATOR				0.96	20	1	23	C	24	1	20				0.96	(E) REFRIGERATOR
(E) REFRIGERATOR				1.06	20	1	25	A	26	1	20				0.10	(E) UCP 10
(T1) **(N) EXAM LIGHT - 10787**	**0.18**				20	1	**27**	B	28	1	20					SPARE
(E) UPS				1.25	60	2	29	C	30	1	20				1.80	(E) COM - A L5-30
				1.25			31	A	32	1						SPARE
(E) COM RM A 4PLEXES		0.36			20	1	33	B	34	1						SPACE
(E) COM RM A UPS				0.75	30	2	35	C	36	1						SPACE
				0.75			37	A	38	1						SPACE
(T1) **(N) SURGICAL LIGHTS - 10788**	**1.68**				20	1	**39**	B	40	1						SPACE
SPARE					20	1	41	C	42	1						SPACE
TOTALS ——>	1.86	8.10	0.00	9.60								0.00	6.48	0.00	5.78	<—— TOTALS

SEE PANEL 'C10LA1' FOR PANEL LOAD SUMMARY

(E) PANEL 'C10LB1'

LOCATION:	ELEC RM 10749	MOUNTING:	SECTION 1 OF 1	BUS RATING: 225 AMP	THREE PHASE	VOLTAGE
PANEL A.I.C.	10,000		SERVING CRITICAL	X 225-AMP MAIN BREAKER	4-WIRE	208Y/120
		X SURFACE	FLUSH	MAIN LUGS ONLY		
				FED-THRU LUGS		

LOAD DESCRIPTION	KVA LOAD CONT.	RECP.	MOTOR	NON	C. B. AMP	POLE	CKT #	PH	CKT #	C. B. POLE	AMP	KVA LOAD CONT.	RECP.	MOTOR	NON	LOAD DESCRIPTION
(E) COMP,SENS,MON - 10728		0.18		0.64	20	1	1	A	2	1	20		1.44			(E) HEADWALL RECEPT - 10728
(E) COMP,SENS,MON - 10729		0.18		0.64	20	1	3	B	**4**	1	20		**0.54**			**(N) BOOM RECEPTS - 10728**
(E) HEADWALL RECEPT - 10729		1.44			20	1	5	C	6	1	20		0.36		0.64	(E) RECEPT/COMP,SENS,MON
(N) BOOM RECEPTS - 10729		**0.54**			20	1	**7**	A	8	1	20		0.18		0.64	(E) COMP/SENS/MON.
(E) REFRIG - 10761				1.80	20	1	9	B	**10**	1	20		**0.54**			**(N) BOOM RECEPTS - 10733**
(E) ICE MACHINE - 10761				1.02	20	1	11	C	12	1	20		0.18		0.64	(E) COMP,SENS,MON - 10762
(E) COMP,SENS,MON - 10763		0.18		0.64	20	1	13	A	14	1	20		1.44			(E) HEADWALL RECEPT - 10762
(E) HEADWALL RECEPT - 10723		1.44			20	1	15	B	**16**	1	20		**0.54**			**(N) BOOM RECEPTS - 10762**
(N) BOOM RECEPTS - 10763		**0.54**			20	1	**17**	C	18	1	20		0.18		0.64	(E) COMP,SENS,MON - 10764
(E) HEADWALL RECEPT - 10766		1.44			20	1	**19**	A	20	1	20		1.44			(E) HEADWALL RECEPT - 10764
(N) BOOM RECEPTS - 10766		**0.54**			20	1	**21**	B	**22**	1	20		**0.54**			**(N) BOOM RECEPTS - 10764**
(E) COMP,SENS,MON - 10767		0.18		0.64	20	1	**23**	C	24	1	20		0.18		0.64	(E) COMP,SENS,MON - 10766
(E) RECEPT,SENSOR		0.54		0.04	20	1	25	A	26	1	20		1.44			(E) HEADWALL RECEPT - 10767
(E) COMP,SISP,SENSOR,DEFIB		0.18		0.76	20	1	27	B	**28**	1	20		**0.54**			**(N) BOOM RECEPTS - 10767**
(E) REFRIGERATOR				0.96	20	1	29	C	**30**	1	20	**1.08**				**(E) EX LTS 10724,26,27,28,29,33** (T1)
(T1) **(N) SURGICAL LTS 10767, 10772**	**1.68**				20	1	31	A	32	1						(E) SPACE
(E) UPS - COM RM B				0.75	30	2	**33**	B	34	1						(E) SPACE
(T1) **(N) SURGICAL LTS 10773, 10775**	**1.68**						35	C	36	1						(E) SPACE
(T1) **(N) SURGICAL LTS 10776**	**0.84**						**39**	B	40	1						(E) SPACE
							41	C	42	1						(E) SPACE
TOTALS ——>	4.20	7.38	0.00	10.44										1.08	10.80	0.00	2.56	<—— TOTALS

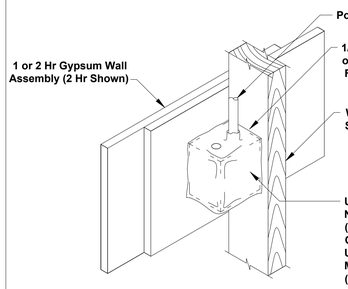
TOTAL CONTINUOUS LOAD @ 125%:			12.99	KVA
TOTAL RECEPTACLE LOAD, 100% FOR FIRST 10KVA, & 50% FOR REMAINDER:			22.55	KVA
TOTAL NONCONTINUOUS LOAD:			27.83	KVA
TOTAL MOTOR LOAD:			0.00	KVA
LARGEST MOTOR @ 25%:	0	KVA	0.00	KVA

| TOTAL DEMAND LOAD: | 63.37 KVA | CONNECTED KVA TOTAL/PHASE | A | B | C | MINIMUM FEEDER CA

Wall Opening Protective Materials (CLIV, CLIV7)

CP617 / CFS-P PA / FIRESTOP BOX INSERT

Classified by Underwriters Laboratories, Inc. to UL 263 and CAN/ULC-S115



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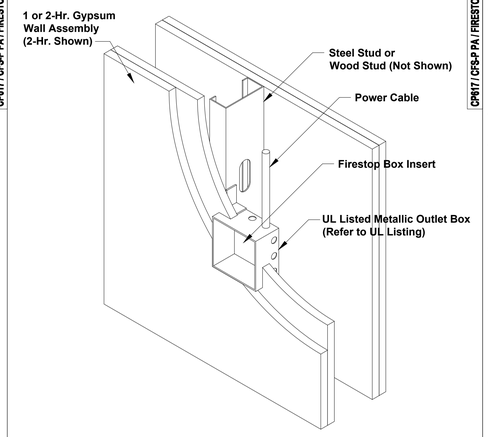
Hilti Firestop Systems

Wall Opening Protective Materials (CLIV, CLIV7)

CP617 / CFS-P PA / FIRESTOP BOX INSERT



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Hilti Firestop Systems

Wall Opening Protective Materials (CLIV, CLIV7)

CP617 / CFS-P PA / FIRESTOP BOX INSERT

CP 617(-L, -XL) or CFS-P PA Firestop Putty Pads, for use with flush device UL Listed Metallic Outlet Boxes installed with steel mud rings or UL Listed Nonmetallic Outlet Boxes in framed wall assemblies as specified below. When protective material is used on outlet boxes on both sides of the wall as directed, the horizontal separation between outlet boxes on opposite sides of the wall may be less than 24 in. provided that the boxes are not installed back-to-back (unless otherwise indicated). Installation shall comply with the National Electrical Code (NFPA 70). Min 1/8 in. thick (CP 617) or min 0.2 in. (CFS-P PA) thick moldable putty pads are to be installed to completely cover the exterior surfaces of the outlet box (except for the side of the outlet box against the stud) and conduit fittings/connectors and to completely seal against the stud and gypsum board in the wall cavity unless otherwise noted below. When CFS-P PA is used, the putty pads may be installed with the release liner intact on the outside of the pad with the exception of any overlaps, in which case the liner is to be removed from the bottom layer at the overlap location. The box composition, max device dimensions, hourly rating, type of stud and type of faceplate are specified below.

CP 617(-L, -XL) or CFS-P PA Firestop Putty Pads, for use with max 4 by 4 by max 2-1/8 in. flush device UL Listed Metallic Outlet Boxes installed with steel cover plates in 1 and 2 hr. fire rated gypsum wallboard wall assemblies framed with min 3-1/2 in. deep wood or steel studs and constructed as specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the Fire Resistance Directory.

CP 617(-L, -XL) or CFS-P PA Firestop Putty Pads, for use with max 4-11/16 by 4-11/16 by max 2-1/8 in., or max 4-3/8 by 4-7/8 by max 2-1/8 in., flush device UL Listed Metallic Outlet Boxes installed with steel cover plates for use in 1 hr fire rated V446 gypsum board/steel stud or U341 gypsum board/wood stud Wall and Partition Design No. in the Fire Resistance Directory. When U341 wall design is used, wall shall be sheathed with 5/8 in. gypsum board, and glass or mineral fiber batt insulation shall be installed in stud cavities in accordance with U341 design. Boxes may be installed back-to-back.

CP 617(-L, -XL) or CFS-P PA Firestop Putty Pads, for use with max 4-11/16 by 4-11/16 by max 2-1/8 in. flush device UL Listed Metallic Outlet Boxes installed with steel cover plates for use in 1 and 2 hr fire rated gypsum board wall assemblies framed with min 3-1/2 in. deep wood or steel studs and constructed of the materials and in the manner specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the Fire Resistance Directory. Min 0.8 pcf density fiberglass batt insulation is to be installed within the wall cavity required for 1 hr fire rated gypsum board wall assemblies and optional in 2 hr fire rated gypsum wallboard assemblies.

CP 617(-L, -XL) or CFS-P PA Firestop Putty Pads, for use with max 4 by 3-3/4 by 3 in. deep UL Listed Nonmetallic Outlet Boxes manufactured by Carlon Electrical Products, made from polyvinyl chloride, and bearing a 2 hr rating under the "Outlet Boxes and Fittings Classification for Fire Resistance" category in the Fire Resistance Directory. Putty pads and boxes for use in 1 and 2 hr fire rated gypsum wallboard assemblies, framed with min 3-1/2 in. deep wood studs and constructed as specified in the individual U300 Series Wall and Partition Designs in the Fire Resistance Directory. Outlet box secured to wood stud by means of two nailing tabs supplied with the outlet box. Putty pads shall lap min 1/2 in. onto the stud and gypsum board within the stud cavity. Outlet boxes installed with steel or plastic cover plates.

CP 617(-L, -XL) or CFS-P PA Firestop Putty Pads, for use with max 4 by 4 by 2-7/8 in. deep UL Listed Nonmetallic Outlet Boxes manufactured by Carlon Electrical Products, made from polyvinyl chloride, and bearing a 2 hr rating under the "Outlet Boxes and Fittings Classification for Fire Resistance" category in the Fire Resistance Directory. Putty pads and boxes for use in the 1 hr fire rated V446 gypsum board/steel stud or U341 gypsum board/wood stud Wall and Partition Design in the Fire Resistance Directory. When U341 wall design is used, wall shall be sheathed with 5/8 in. gypsum board, and glass or mineral fiber batt insulation shall be installed in stud cavities in accordance with U341 design. Outlet box secured to steel stud by means of fastening tab supplied with the outlet box. Putty pads shall lap min 1/2 in. onto the stud and gypsum board within the stud cavity. Outlet boxes installed with steel or plastic cover plates. Boxes may be installed back to back.

CP 617(-L, -XL) Firestop Putty Pads, for use with max 2-1/4 by 3-3/4 by 2-3/4 in. deep UL Listed Nonmetallic Outlet Boxes manufactured by Pass and Seymore, Inc., and bearing a 2 hr rating under the "Outlet Boxes and Fittings Classification for Fire Resistance" category in the Fire Resistance Directory. Putty pads and boxes for use in 1 and 2 hr fire rated gypsum wallboard assemblies, framed with min 3-1/2 in. deep wood studs and constructed as specified in the individual U300 Series Wall and Partition Designs in the Fire Resistance Directory. Outlet box secured to wood stud by means of two nailing tabs supplied with the outlet box. Putty pads shall lap min 1/2 in. onto the stud and gypsum board within the stud cavity. Outlet boxes installed with steel or plastic cover plates.

CP 617(-L, -XL) or CFS-P PA Firestop Putty Pads, for use with max 4 by 3-3/4 by 3 in. deep UL Listed Nonmetallic Outlet Boxes manufactured by Allied Molded Products, Inc., made from fiber reinforced thermoplastic and bearing a 2 hr rating under the "Outlet Boxes and Fittings Classification for Fire Resistance" category in the Fire Resistance Directory. Putty pads and boxes for use in 1 hr fire rated gypsum wallboard assemblies, framed with min 3-1/2 in. deep wood studs and constructed as specified in the individual U300 Series Wall and Partition Designs in the Fire Resistance Directory. Outlet box secured to wood stud by means of two nailing tabs supplied with the outlet box. Outlet boxes installed with plastic cover plates. Putty pads shall lap min 1/2 in. onto the stud and gypsum board within the stud cavity.

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Hilti Firestop Systems

Wall Opening Protective Materials (CLIV, CLIV7)

CP617 / CFS-P PA / FIRESTOP BOX INSERT

CP 617(-L, -XL) or CFS-P PA Firestop Putty Pads, for use with max 4 by 4 in. by 1-1/2 in. deep flush device UL Listed Metallic Outlet Boxes installed with steel cover plates in 1 hr. fire rated gypsum wallboard wall assemblies framed with min 3-1/2 in. deep wood or steel studs and constructed as specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the Fire Resistance Directory. The boxes are installed back to back with 5 in. by 4 in. UL Classified fire block, CP 657 or CFS-BL Firestop Block installed in the cavity between the two boxes.

CP 617(-L, -XL) or CFS-P PA Firestop Putty Pads, for use with max 14 by 4 by max 2-1/2 in. flush device UL Listed Metallic Outlet Boxes installed with steel cover plates in 1 and 2 hr. fire rated gypsum board wall assemblies framed with min 5-1/2 in. deep wood or steel studs for 2 hr fire rated walls and min 3-1/2 in. deep wood or steel studs for 1 hr fire rated walls. Walls constructed as specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the Fire Resistance Directory. Stud cavity insulation is required and shall consist of min 5-1/2 in. (2 hr rated walls) or min 3-1/2 in. (1 hr rated walls) thick fiberglass (min 0.8 pcf) or mineral fiber (min 4 pcf). Putty pads shall lap min 1/2 in. onto the stud and gypsum board within the stud cavity. When boxes are interconnected by means of electrical metallic tube (EMT) or conduit, a ball of putty pad material shall be used to completely plug the open end of each EMT or conduit within the box.

CP 617(-L, -XL) or CFS-P PA Firestop Putty Pads, for use with max 4-11/16 by 4-11/16 by max 2-1/8 in. flush device UL Listed Metallic Outlet Boxes installed with steel or plastic cover plates for use in 1 and 2 hr fire rated gypsum board wall assemblies framed with min 5-1/2 in. deep steel studs and constructed of the materials and in the manner specified in the individual U400 or V400 Series Wall and Partition Designs in the Fire Resistance Directory. Putty pads shall lap min 1/2 in. onto the stud and gypsum board within the stud cavity. When boxes are interconnected by means of electrical metallic tube (EMT) or conduit, a ball of putty pad material shall be used to completely plug the open end of each EMT or conduit within the outlet boxes. Metallic outlet boxes may be provided with steel attachment brackets which offset box min 1/4 in. from stud. When steel attachment brackets are used, putty pad to be affixed to the back and all four sides of the box.

CP 617(-L, -XL) or CFS-P PA Moldable Putty Pads, for use with max 4-11/16 by 4-11/16 in. by max 2-1/8 in. flush device UL Listed Metallic Outlet Boxes installed with steel cover plates in 2 hr fire rated gypsum board wall assemblies framed with min 3-1/2 in. deep steel studs and constructed of the materials and in the manner specified in the individual U400 and V400 Series Wall and Partition Designs in the Fire Resistance Directory. An additional 3/4 in. ball of putty pad material shall be used to plug the end of each electrical metallic tube or conduit at its connection to the box.

CP 617(-L, -XL) or CFS-P PA Moldable Putty Pads, for use with max 4 by 4 by 2-1/8 in. flush device UL Listed Metallic Outlet Boxes installed with steel or plastic cover plates in 2 hr fire rated gypsum board wall assemblies framed with min 3-1/2 in. deep steel studs and constructed of the materials and in the manner specified in the individual U400 and V400 Series Wall and Partition Designs in the Fire Resistance Directory. An additional 3/4 in. ball of putty pad material shall be used to plug the end of each electrical metallic tube or conduit at its connection to the box.

CP 617(-L, -XL) or CFS-P PA Moldable Putty Pads, for use with max 14-1/4 by 4-1/2 by 2-1/2 in. flush device UL Listed Metallic Outlet Boxes installed with steel cover plates in 2 hr fire rated gypsum board wall assemblies framed with min 3-1/2 in. deep steel studs and constructed of the materials and in the manner specified in the individual U400 and V400 Series Wall and Partition Designs in the Fire Resistance Directory. An additional 3/4 in. ball of putty pad material shall be used to plug the end of each electrical metallic tube or conduit at its connection to the box.

HILTI Firestop Box Insert, for use with flush device UL Listed Metallic Outlet Boxes installed with steel mud rings or UL Listed Nonmetallic Outlet Boxes in framed wall assemblies as specified below. When protective material is used on outlet boxes on both sides of the wall as directed, the horizontal separation between outlet boxes on opposite sides of the wall may be less than 24 in. provided that the boxes are not installed back-to-back (unless otherwise indicated). Installation shall comply with the National Electrical Code (NFPA 70). The box composition, max device dimensions, hourly rating, type of stud and type of faceplate are specified below.

HILTI Firestop Box Insert, for use with max 4-11/16 by 4-11/16 by 2-1/8 in. deep UL Listed Metallic Outlet Boxes without internal clamps in 2 hr fire rated gypsum wallboard wall assemblies framed with min 3-1/2 in. deep wood or steel studs and constructed as specified in the individual U400 Series Wall and Partition Designs in the Fire Resistance Directory. One 111 mm wide by 111 mm high insert adhered to the interior back wall of the outlet box in accordance with the installation instructions supplied with the product. Smaller sized inserts may be cut and combined to achieve the 111 mm by 111 mm coverage and adhered to the interior back wall of the outlet box. A max 3/8 in. diam opening at one edge may be provided to permit access to the electrical box ground screw. Installation to comply with the National Electrical Code, (NFPA 70). Outlet boxes installed with steel cover plates. When protective material is used within outlet boxes on both sides of wall as directed, the horizontal separation between outlet boxes on opposite sides of the wall may be less than 24 in. provided that the boxes are not installed back-to-back.

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Hilti Firestop Systems

Wall Opening Protective Materials (CLIV, CLIV7)

CP617 / CFS-P PA / FIRESTOP BOX INSERT

HILTI Firestop Box Insert, for use with max 4 by 4 by 1-1/2 in. deep and 2-1/8 in. deep UL Listed Metallic Outlet Boxes without internal clamps in 1 or 2 hr fire rated gypsum wallboard wall assemblies framed with min 3 1/2 in. deep steel or wood studs and constructed of materials and in the manner specified in the individual U400, V400 or U300 Series Wall and Partition Designs in the Fire Resistance Directory, as summarized in the Table below. One 3-11/16 by 3-3/4 in. insert adhered to the interior back wall of the outlet box in accordance with the instructions supplied with the product. Smaller sized inserts may be cut and combined to achieve the 3-11/16 x 3-3/4 in coverage.

Box Size	Type of Box and Cover Plate	Hourly Rating	Wall Type
4 x 4 x 2-1/8 in deep	Metallic w/ steel cover plates	2-hour	U300, U400 or V400 - wood or steel studs
4 x 4 x 2-1/8 in deep	Metallic w/ plastic cover plates	1-hour	U300, U400 or V400 - wood or steel studs
4 x 4 x 1-1/2 in deep	Metallic w/ plastic cover plates	1-hour	U300 - wood studs

HILTI Firestop Box Insert, for use with max 2-1/8 x 4 x 2-1/8 in. deep UL Listed Metallic Outlet Boxes without internal clamps in 2 hr fire rated gypsum wallboard wall assemblies framed with min 3-1/2 in. deep wood or steel studs and constructed of materials and in the manner specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the Fire Resistance Directory. Outlet boxes may be installed with steel cover plates. One 1-7/8 x 2-13/16 insert adhered to the interior back wall of the outlet box in accordance with the instructions supplied with the product.

HILTI Firestop Box Insert, for use with max 4-1/2 x 8-1/2 in. by 1-5/8 in. deep or max 3-3/4 x 5-1/2 in. by 2-1/2 in. deep UL Listed Metallic Outlet Boxes without internal clamps in 1 hr or 2 hr fire rated gypsum wallboard wall assemblies framed with min 3 1/2 in. deep steel or wood studs and constructed of materials and in the manner specified in the individual U400, V400 or U300 Series Wall and Partition Designs in the Fire Resistance Directory, as summarized in the Table below. Outlet boxes installed with steel cover plates. Box inserts evenly spaced and adhered to the interior back wall of the outlet box in accordance with the instructions supplied with the product.

Box Size	Inserts Used	Fire Rating	Wall Type
4-1/2 x 8-1/2 x 1-5/8 in deep	Two 3-11/16 x 3-3/4 in. inserts **	2-hour	U300, U400 or V400 - wood or steel studs
3-3/4 x 5-1/2 x 2-1/2 in deep	One 3-11/16 x 3-3/4 in. insert and one 1-7/8 x 2-13/16 in. insert	1-hour	U300, U400, or V400 - wood or steel studs
** - Min 3/4 in. deep plaster rings installed over outlet box. After installation of gypsum board, nom 1/4 in. thickness of Hilti FS-ONE Sealant or FS-ONE MAX Intumescent Sealant, bearing the UL Classification Marking for Fill, Void or Cavity Materials, applied between the base layer of wallboard and the plaster ring.			

HILTI Firestop Box Insert , for use with 4-3/8 by 4-7/8 by 2-1/4 in. deep flush device UL Listed Metallic Outlet Boxes without internal clamps in 1 hr fire rated gypsum board wall assemblies framed with min 3-1/2 in. deep wood or steel studs and constructed of the materials and in the manner specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the Fire Resistance Directory. One 4-3/8 in. wide by 4-3/8 in. high insert adhered to the interior back wall of the outlet box in accordance with the installation instructions supplied with the product. Smaller sized inserts may be cut and combined to achieve the 4-3/8 in. by 4-3/8 in. coverage and adhered to the interior back wall of the outlet box. Outlet boxes installed with plastic or steel cover plates.

HILTI Firestop Box Insert, for use with 4-3/8 by 4-7/8 by 2-1/4 in. deep flush device UL Listed Metallic Outlet Boxes without internal clamps in 2 hr fire rated gypsum board wall assemblies framed with min 3-1/2 in. deep wood or steel studs and constructed of the materials and in the manner specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the Fire Resistance Directory. One 4-3/8 in. wide by 4-3/8 in. high insert adhered to the interior back wall of the outlet box in accordance with the installation instructions supplied with the product. Smaller sized inserts may be cut and combined to achieve the 4-3/8 in. by 4-3/8 in. coverage and adhered to the interior back wall of the outlet box. Outlet boxes installed with steel cover plates.

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Hilti Firestop Systems

Wall Opening Protective Materials (CLIV, CLIV7)

CP617 / CFS-P PA / FIRESTOP BOX INSERT

CP 617(-L, -XL) or CFS-P PA Firestop Putty Pads and HILTI Firestop Box Inserts, for use with maximum 4 by 4 by 1-1/2 in. (102 by 102 by 38 mm) deep flush device UL Listed Metallic Outlet Boxes installed with steel mud rings and with steel or plastic faceplates in 1 or 2 hr fire rated gypsum board wall assemblies constructed with min 3-1/2 in. (89 mm) wide wood or steel studs. When both protective materials are used with outlet boxes on both sides of the wall as directed, the boxes may be installed back-to-back provided that the backs of the boxes are minimum 1/2 in. (13 mm) apart and provided that the boxes are not interconnected. Adjoining pieces of moldable putty pads to be overlapped approx 1/2 in. (13 mm) at the seam. An insert pad shall be installed to completely cover the back inside surface of each outlet box.

Firestop Box Inserts, for use with max 2-1/8 by 4 by 2-1/8 in. deep, flush device UL Listed Metallic Outlet Boxes without internal clamps in 2 hr fire rated gypsum board wall assemblies framed with min 3-1/2 in. deep steel studs and constructed of the materials and in the manner specified in the individual U400 Series Wall and Partition Designs in the Fire Resistance Directory. One 47 mm wide by 71 mm high insert adhered to the interior back wall of the outlet box in accordance with the installation instructions supplied with the product. Installation to comply with the National Electrical code, (NFPA 70). Outlet boxes installed with steel cover plates. A max 3/8 in. diam opening at one edge may be provided to permit access to the electrical box ground screw. When protective material is used within outlet boxes on both sides of wall as directed, the horizontal separation between outlet boxes on opposite sides of the wall may be less than 24 in. provided that the boxes are not installed back-to-back.

Firestop Box Inserts, for use with max 4 by 4 by 2-1/8 in. deep flush device UL Listed Metallic Outlet Boxes without internal clamps in 2 hr fire rated gypsum board wall assemblies framed with min 3-1/2 in. deep steel studs and constructed of the materials and in the manner specified in the individual U400 Series Wall and Partition Designs in the Fire Resistance Directory. One 94 mm wide by 95 mm high insert adhered to the interior back wall of the outlet box in accordance with the installation instructions supplied with the product. Installation to comply with the National Electrical Code, (NFPA 70). Outlet boxes installed with steel cover plates. A max 3/8 in. diam opening at one edge may be provided to permit access to the electrical box ground screw. When protective material is used within outlet boxes on both sides of wall as directed, the horizontal separation between outlet boxes on opposite sides of the wall may be less than 24 in. provided that the boxes are not installed back-to-back.

Firestop Box Inserts, for use with max 4 by 4 by 1-1/2 in. deep flush device UL Listed Metallic Outlet Boxes without internal clamps in 1 hr fire rated gypsum board wall assemblies framed with min 3-1/2 in. deep wood stud and with max 4 by 4 by 2-1/8 in. deep flush device UL Listed Metallic Outlet Boxes without internal clamps in 1 hr fire rated gypsum board wall assemblies framed with min 3-1/2 in. deep steel studs and constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the Fire Resistance Directory. One 94 mm wide by 95 mm high insert adhered to the interior back wall of the outlet box in accordance with the installation instructions supplied with the product. Installation to comply with the National Electrical Code, (NFPA 70). Outlet boxes installed with plastic or steel cover plates. A max 3/8 in. diam opening at one edge may be provided to permit access to the electrical box ground screw. When protective material is used within outlet boxes on both sides of wall as directed, the horizontal separation between outlet boxes on opposite sides of the wall may be less than 24 in. provided that the boxes are not installed back-to-back.

Firestop Box Inserts, for use with 4-11/16 by 4-11/16 by 2-1/8 in. deep, UL Listed Metallic Outlet Boxes without internal clamps in 1 hr fire rated gypsum board wall assemblies framed with min 3-1/2 in. deep steel studs and constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the Fire Resistance Directory. One 111 mm wide by 111 mm high insert adhered to the interior back wall of the outlet box in accordance with the installation instructions supplied with the product. Smaller sized inserts may be cut and combined to achieve the 111 mm by 111 mm coverage and adhered to the interior back wall of the outlet box. Installation to comply with the National Electrical Code, (NFPA 70). Outlet boxes installed with plastic or steel cover plates. A max 3/8 in. diam opening at one edge may be provided to permit access to the electrical box ground screw. When protective material is used within outlet boxes on both sides of wall as directed, the horizontal separation between outlet boxes on opposite sides of the wall may be less than 24 in. provided that the boxes are not installed back-to-back.

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Hilti Firestop Systems

Wall Opening Protective Materials (CLIV, CLIV7)

CP617 / CFS-P PA / FIRESTOP BOX INSERT

Firestop Box Inserts, for use with 4-11/16 by 4-11/16 by 2-1/8 in. deep flush device UL Listed Metallic Outlet Boxes without internal clamps in 2 hr fire rated gypsum board wall assemblies framed with min 3-1/2 in. deep steel studs and constructed of the materials and in the manner specified in the individual U400 Series Wall and Partition Designs in the Fire Resistance Directory. One 111 mm wide by 111 mm high insert adhered to the interior back wall of the outlet box in accordance with the installation instructions supplied with the product. Smaller sized inserts may be cut and combined to achieve the 111 mm by 111 mm coverage and adhered to the interior back wall of the outlet box. A max 3/8 in. diam opening at one edge may be provided to permit access to the electrical box ground screw. When protective material is used within outlet boxes on both sides of wall as directed, the horizontal separation between outlet boxes on opposite sides of the wall may be less than 24 in. provided that the boxes are not installed back-to-back.

Firestop Box Inserts, for use with 4 by 3-3/4 by 5-1/2 by 2-1/2 in. deep flush device UL Listed Metallic Outlet Boxes without internal clamps in 1 hr fire rated gypsum board wall assemblies framed with min 3-1/2 in. deep steel or wood studs and constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the Fire Resistance Directory. One 94 mm wide by 95 mm high and one 47 mm wide by 71 mm high inserts adhered to the interior back wall of the outlet box in accordance with the installation instructions supplied with the product. Installation to comply with the National Electrical Code, (NFPA 70). Outlet boxes installed with steel cover plates. A max 3/8 in. diam opening at one edge may be provided to permit access to the electrical box ground screw. When protective material is used within outlet boxes on both sides of wall as directed, the horizontal separation between outlet boxes on opposite sides of the wall may be less than 24 in. provided that the boxes are not installed back-to-back.

Firestop Box Inserts, for use with 4-3/8 by 4-7/8 by 2-1/4 in. deep flush device UL Listed Metallic Outlet Boxes without internal clamps in 1 hr fire rated gypsum board wall assemblies framed with min 3-1/2 in. deep steel studs and constructed of the materials and in the manner specified in the individual U400 Series Wall and Partition Designs in the Fire Resistance Directory. One 111 mm wide by 111 mm high insert adhered to the interior back wall of the outlet box in accordance with the installation instructions supplied with the product. Smaller sized inserts may be cut and combined to achieve the 111 mm by 111 mm coverage and adhered to the interior back wall of the outlet box. Installation to comply with the National Electrical Code, (NFPA 70). Outlet boxes installed with steel cover plates. A max 3/8 in. diam opening at one edge may be provided to permit access to the electrical box ground screw. When protective material is used within outlet boxes on both sides of wall as directed, the horizontal separation between outlet boxes on opposite sides of the wall may be less than 24 in. provided that the boxes are not installed back-to-back.

Firestop Box Inserts, for use with 4-3/8 by 4-7/8 by 2-1/4 in. deep flush device UL Listed Metallic Outlet Boxes without internal clamps in 2 hr fire rated gypsum board wall assemblies framed with min 3-1/2 in. deep steel studs and constructed of the materials and in the manner specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the Fire Resistance Directory. One 111 mm wide by 111 mm high insert adhered to the interior back wall of the outlet box in accordance with the installation instructions supplied with the product. Smaller sized inserts may be cut and combined to achieve the 111 mm by 111 mm coverage and adhered to the interior back wall of the outlet box. Installation to comply with the National Electrical Code, (NFPA 70). Outlet boxes installed with steel cover plates. A max 3/8 in. diam opening at one edge may be provided to permit access to the electrical box ground screw. When protective material is used within outlet boxes on both sides of the wall as directed, the horizontal separation between outlet boxes on opposite sides of the wall may be less than 24 in. provided that the boxes are not installed back-to-back.

Firestop Box Inserts, for use with 4-11/16 by 4-11/16 by 2-1/8 in. flush device UL Listed Metallic Outlet Boxes installed with steel mud rings and plastic or steel cover plates in 1 h or 2 h fire rated gypsum board wall assemblies framed with min 3-1/2 in. deep wood or steel studs and constructed of the materials and in the manner specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the Fire Resistance Directory. Min 3-1/2 in. thick fiberglass (min 0.5 pcf) or mineral wool (min 4.0 pcf) batt insulation is to be installed within the wall cavity. One 4-3/8 by 4-3/8 in. insert adhered to the interior back wall of the outlet box in accordance with the instructions supplied with the product. Installation to comply with the National Electrical Code (NFPA 70). A max 3/8 in. diam opening at one edge may be provided to permit access to the electrical box ground screw. When protective material is used within outlet boxes on both sides of the wall as directed, the horizontal separation between outlet boxes on opposite sides of the wall may be less than 24 in. provided that the boxes are not installed back-to-back.

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Hilti Firestop Systems

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
6/26/2025, 2:54:24 PM
S250003-34-00
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

STATE OF CALIFORNIA — No. E 18416 — REGISTERED ELECTRICAL ENGINEER
12/17/2024

DESIGN PROFESSIONALS OF RECORD:

UCDAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
SACRAMENTO, CALIFORNIA 95817
(916)734-7024

TAYLOR design

REV	REVISION DESCRIPTION	DATE

CONST. DOCUMENTS

KEYPLAN

TAYLOR design
REVIEWED FOR GENERAL CONFORMANCE (DSA/PS)
This document has been prepared by other design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state. It has been examined by me for:
1) design intent and appears in meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared for me, and
2) coordination with my plans and specifications and is acceptable for incorporation into the construction of this project.
SIGNATURE PROVIDED PER CAC 7-115
LICENSE NUMBER: C-33036
DATE: 12/16/2024
The review for General Conformance shall not be construed as relieving me of my rights, duties, and responsibilities under Section 3.08(f) of the Health and Safety Code and Sections 7-115.5(c), (d), and (c), 7-129 and 7-132 of Title 24, Part 1.

UCDH PROJECT NO.: 9557750
HCAI - OSHPD NO.: S250003-34-00
BUILDING: BLDG-01445
FLOOR \ WING: 10TH FLOOR
PROJECT TITLE: DT10 PICU CEILING TILE & BOOM REPLACEMENT
SHEET TITLE: DETAILS

ARCH \ ENGR.	FD&C JOB NO.	SHEET NO.
ARCH	9557750 - L010335	E-601
UCDMC PROJ. MANAGER	SCALE	
SEJAL SHARMA	AS NOTED	
DESIGNED BY	DATE	
LAI VO	12/16/24	
DRAWN BY	CAD FILE	SHEET / OF
ANH LE	-	

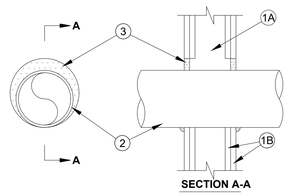
EDGE ELECTRICAL CONSULTING
Project Number J431
Contact LAI VO
400 R Street, Ste 333
Sacramento, CA 95811
916.256.2460
Sacramento | Alameda | Irvine

FILE NAME:

System No. W-L-1054

Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings —1 and 2 Hr (See Items 1 and 3)	F Ratings — 1 and 2 Hr (See Items 1 and 3)
T Rating — 0 Hr	FT Rating — 0 Hr
L Rating (Without Movement) at Ambient — Less Than 1 CFM/sq ft	FH Ratings —1 and 2 Hr (See Items 1 and 3)
L Rating (Without Movement) at 400°F — Less Than 1 CFM/sq ft	FTH Rating — 0 Hr
M Rating (Movement) — See Table 1	FTH Rating — 0 Hr
	L Rating at Ambient — Less Than 5.1 L/s/m2
	L Rating at 204°C — Less Than 5.1 L/s/m2



SECTION A-A

1. Wall Assembly — The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC. For M Rating, steel studs to be min 3-5/8 in. (92 mm) wide. When steel studs are used and the diam of opening exceeds the width of stud cavity, the opening shall be framed on all sides using lengths of steel stud installed between the vertical studs and screw-attached to the steel studs at each end. The framed opening in the wall shall be 4 to 6 in. (102 to 152 mm) wider and 4 to 6 in. (102 to 152 mm) higher than the diam of the penetrating item such that, when the penetrating item is installed in the opening, a 2 to 3 in. (51 to 76 mm) clearance is present between the penetrating item and the framing on all four sides.
   B. Gypsum Board* — 5/8 in. (16 mm) thick, 4 ft (122 cm) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 32-1/4 in. (819 mm) for steel stud walls. Max diam of opening is 14-1/2 in. (368 mm) for wood stud walls. The F and FH Ratings of the firestop system are equal to the fire rating of the wall assembly. The M Rating is applicable only to 1 hr rated walls.

System No. W-L-1054

2. Through-Penetrants — One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. The annular space shall be min 0 in. to max 2-1/4 in. (57 mm). Pipe may be installed with continuous point contact. Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:
   A. Steel Pipe — Nom 30 in. (762 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
   B. Iron Pipe — Nom 30 in. (762 mm) diam (or smaller) cast or ductile iron pipe.
   C. Conduit — Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing or 6 in. (152 mm) . diam steel conduit.
   D. Copper Tubing — Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing.
   E. Copper Pipe — Nom 6 in. (152 mm) diam (or smaller) regular (or heavier) copper pipe.
3. Fill, Void or Cavity Material* — Sealant — Min 5/8 in. (16 mm) thickness of fill material applied within the annulus, flush with both surfaces of wall. At the point or continuous contact locations between pipe and wall, a min 1/2 in. (13 mm) diam bead of fill material shall be applied at the pipe wall interface on both surfaces of wall.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE MAX Intumescent Sealant

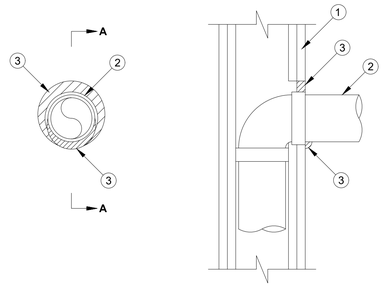
Movement Direction	Penetrant Item	Nominal Penetrant Diameter	Annular Space	Movement	Sealant Depth	F-Rating	L Rating with Movement
Y	2A, 2C*	2 in.	Max 2-1/4 in.	5%	5/8 in.	1 hr	N/A
Z	2A, 2C*	2 in.	2-1/4 in.	0.25 in.	5/8 in.	1 hr	N/A

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

System No. W-L-1410

Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings — 1 and 2 Hr (See Item 1)	F Ratings — 1 and 2 Hr (See Item 1)
T Rating — 0 Hr	FT Rating — 0 Hr
L Rating at Ambient — Less Than 1 CFM/sq ft	FH Ratings — 1 and 2 Hr (See Item 1)
L Rating at 400°F — Less Than 1 CFM/sq ft	FTH Rating — 0 Hr
	L Rating at Ambient — Less Than 5.1 L/s/m²
	L Rating at 204°C — Less Than 5.1 L/s/m²



SECTION A-A

System No. W-L-1410

1. Wall Assembly — The 1 or 2 hr fire rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400, V400 or W400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 3-1/2 in. (89 mm) wide and spaced max 24 in. (610 mm) OC.
   B. Gypsum Board* — One or two layers of nom 5/8 in. (16 mm) thick gypsum board as specified in the individual Wall and Partition Design. The max diam of opening is dependent upon the type of fill material as shown in Item 3.
   The hourly F and FH Ratings of the firestop system are equal to the hourly fire rating of the wall assembly.
2. Through Penetrants — One metallic pipe or conduit to be installed either concentrically or eccentrically within the firestop system. The annular space is dependent upon the type of fill material as shown in Item 3. Pipe or conduit to be rigidly supported on the penetrated side of the wall assembly. The following types and sizes of metallic pipes or conduits may be used:
   A. Steel pipe — Nom 3 in. (76 mm) diam (or smaller) Schedule 5 (or heavier) steel pipe.
   B. Conduit — Nom 3 in. (76 mm) diam (or smaller) steel electrical metallic tubing (EMT), nom 3 in. (76 mm) diam steel conduit or nom 1 in. (25 mm) diam (or smaller) flexible steel conduit.
   C. Copper Tubing — Nom 1 in. (25 mm) diam (or smaller) Type L (or heavier) copper tubing.
   D. Copper Pipe — Nom 1 in. (25 mm) diam (or smaller) Regular (or heavier) copper pipe.
   E. Iron Pipe — Nom 3 in. (76 mm) diam (or smaller) cast or ductile iron pipe.
3. Fill, Void or Cavity Material* — Sealant — Min 5/8 in. (16 mm) thickness of fill material applied within the annulus, flush with surface of wall. Min 1/2 in. (13 mm) diam bead of sealant applied at point contact location.

Type of Fill Material	Max Diameter of Opening, in. (mm)	Min Annular Space, in. (mm)	Max Annular Space, in. (mm)
FS-ONE MAX Intumescent Sealant	6 (152)	0 (0), point contact	2 (51)
CFS-S-SIL GG Sealant	5 (127)	0 (0), point contact	1 (25)
CP601S Elastomeric Sealant	5 (127)	0 (0), point contact	1 (25)
CP 606 Sealant	5 (127)	0 (0), point contact	1 (25)
CP618 Putty	5 (127)	0 (0), point contact	1 (25)

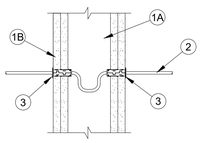
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE MAX Intumescent Sealant, CFS-S-SIL GG Sealant, CP601S Elastomeric Sealant, CP 606 Sealant,or CP618 Putty.

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Classified by Underwriters Laboratories, Inc. to ANSI/UL 1479 (ASTM E814) and CAN/ULC S115

System No. W-L-3370

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings - 1 and 2 Hr (See Item 1)	F Ratings - 1 and 2 Hr (See Item 1)
T Ratings - 1 and 2 Hr (See Item 1)	FT Ratings - 1 and 2 Hr (See Item 1)
L Rating At Ambient - Less Than 1 CFM/device	FT Ratings - 1 and 2 Hr (See Item 1)
L Rating At 400 F - Less Than 1 CFM/device	FTH Ratings - 1 and 2 Hr (See Item 1)
	L Rating At Ambient - Less Than 1 Ls/device
	L Rating At 204 C - Less Than 1 Ls/device



1. **Wall Assembly -** The 1 or 2 hr fire rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400, V400 or W400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. **Studs -** Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 3-1/2 in. (89 mm) wide and spaced max 24 in. (610 mm) OC.
   B. **Gypsum Board* -** 5/8 in. (16 mm) thick, 4 ft (1.2 m) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual Designs in the UL Fire Resistance Directory.
   The hourly F and T Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.
2. **Cable -** One max 4 pair No. 22 AWG (or smaller) copper conductor data cable with plenum-rated or PVC insulation and jacket or two max 2/C No. 18 AWG (or smaller) stranded copper conductor cables with plenum-rated or PVC insulation and jacket. Cable(s) to be installed through 9/16 in. (14 mm) diam holes drilled through the gypsum board on both sides of wall.
3. **Firestop Device* -** Device consisting of plastic grommet halves with foam inserts. Plastic grommet device shall be installed around cable at it's egress from the gypsum board on each side of wall and inserted in wall opening in accordance with the accompanying installation instructions.

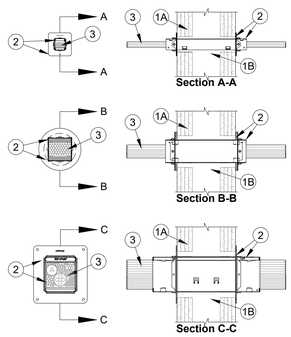
SPECIFIED TECHNOLOGIES INC - EZ Firestop Grommet RFG1

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

Classified by Underwriters Laboratories, Inc. to ANSI/UL 1479 (ASTM E814) and CAN/ULC S115

System No. W-L-3377

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings - 1, 2, 3 and 4 Hr (See Items 1 and 3)	F Ratings - 1, 2, 3 and 4 Hr (See Items 1 and 3)
T Rating - 3/4, 1, 1-1/2 and 2 Hr (See Item 3)	FT Rating - 3/4, 1, 1-1/2 and 2 Hr (See Item 3)
L Rating At Ambient - Less than 1 to 7 CFM/Device Module (See Item 2)	FH Ratings - 1, 2, 3 and 4 Hr (See Items 1 and 3)
L Rating At Ambient - Less than 1 to 7 CFM/Device Module (See Item 2)	FTH Rating - 3/4, 1, 1-1/2 and 2 Hr (See Item 3)
	L Rating At Ambient - Less than 1 to 7 CFM/Device Module (See Item 2)
	L Rating at 400 F - Less than 1 to 3 CFM/Device Module (See Item 2)



Section A-A
Section B-B
Section C-C

1. **Wall Assembly -** The 1, 2, 3 or 4 hr fire rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described within the individual U300, U400, V400 or W400 Series Wall or Partition Designs in the UL Fire Resistance Directory and shall incorporate the following construction features:
   A. **Studs -** Wall framing shall consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced max 16 in. (406 mm) OC. Steel studs to be min 3-1/2 in. (89 mm) wide and spaced max 24 in. (610 mm) OC.
   B. **Gypsum Board* -** Thickness, type, number of layers and fasteners as specified in the individual Wall and Partition Design. See Table for opening sizes.
   The hourly F and FH Ratings are dependent upon the hourly rating of the wall in which it is installed.
2. **Firestop Device* -** Series 22 EZ Path device modules consist of a 1.4 by 1.4 by 10-1/2 in. (36 by 36 by 267 mm) long galv steel tube with an intumescent material lining. Series 33 EZ Path device modules consist of a 3 by 3 by 10-1/2 in. (76 by 76 by 267 mm) long galv steel tube with an intumescent material lining. Series 44+ EZ Path device modules consist of a 4 by 4-5/8 by 14 in. (102 by 118 by 356 mm) long galv steel tube with an intumescent material lining. Firestop device modules to be installed in accordance with the accompanying installation instructions. Firestop device modules secured in place by means of steel wall plates installed with gasketing material supplied with product. Steel wall plates installed on both sides of wall and secured to each device by means of steel screws provided with device. Firestop device module is to be installed with ends projecting an equal distance beyond each surface of the wall assembly. The annular space between the device and opening shall be min 0 in. (point contact) to max 1/8 in. (3 mm) for Series 22 device, max 1/2 in. (13 mm) for Series 33 device and max 1/4 in. (6 mm) for Series 44 device. The opening size and L Ratings for each device vary according to whether device module is blank (no cables) or loaded (with cables) and which cable type and size is used, as tabulated below:

SPECIFIED TECHNOLOGIES INC - EZ PATH Series 22, 33 or 44+ Fire Rated Pathway

Device	Max Cable Fill	Cable Type	L-Rating (CFM) Ambient	L-Rating (CFM) 400° F	Opening Size Diam or Dimensions, in. (mm)
Series 22	0%	-	1.4	1.4	2 (51) or 1-3/4 x 1-3/4 (44 x 44)
Series 22	1-25%	3A	Less Than 1	Less Than 1	2 (51) or 1-3/4 x 1-3/4 (44 x 44)
Series 22	26-50%	3A	Less Than 1	Less Than 1	2 (51) or 1-3/4 x 1-3/4 (44 x 44)
Series 22	51-75%	3A	Less Than 1	Less Than 1	2 (51) or 1-3/4 x 1-3/4 (44 x 44)
Series 22	76-100%	3A	Less Than 1	Less Than 1	2 (51) or 1-3/4 x 1-3/4 (44 x 44)
Series 22	100%	3F	Less Than 1	Less Than 1	2 (51) or 1-3/4 x 1-3/4 (44 x 44)
Series 33	0%	-	Less Than 1	Less Than 1	4 (102) or 3-1/4 x 3-1/4 (82 x 82)
Series 33	100%	3A	4	3	4 (102) or 3-1/4 x 3-1/4 (82 x 82)
Series 33	100%	3F	1.3	Less Than 1	4 (102) or 3-1/4 x 3-1/4 (82 x 82)
Series 33	100%	3G, 3H	7	2	4 (102) or 3-1/4 x 3-1/4 (82 x 82)
Series 33	100%	3I	1.8	1.8	4 (102) or 3-1/4 x 3-1/4 (82 x 82)
Series 44+	0%	-	Less Than 1	Less Than 1	6 (152) or 4-1/8 x 4-3/4 (120 x 120)
Series 44+	1-25%	3A-3I	1.5	1.5	6 (152) or 4-1/8 x 4-3/4 (120 x 120)
Series 44+	26-50%	3A-3I	2.3	2.3	6 (152) or 4-1/8 x 4-3/4 (120 x 120)
Series 44+	51-75%	3A-3I	2.3	2.3	6 (152) or 4-1/8 x 4-3/4 (120 x 120)
Series 44+	76%-100%	3A-3I	2.3	2.3	6 (152) or 4-1/8 x 4-3/4 (120 x 120)

2A. **Firestop Device* - Extension Module -** (Optional, Not Shown) - Module attached to ends of Series 33, Series 44+ firestop device (Item 2) to increase its length to facilitate installation in thicker walls. Each module consists of a galv steel tube with an intumescent material lining. Extension module to be installed in accordance with the accompanying installation instructions. When module is used, firestop device (Item 2) and extension module(s) secured in place by means of steel wall plates installed with gasketing material supplied with product. Steel wall plates installed on both sides of wall and secured to each device or extension module(s) by means of steel set screws provided with wall plates. Firestop device and extension module(s) assembly to be installed with ends projecting an equal distance beyond each surface of the wall assembly.

SPECIFIED TECHNOLOGIES INC - EZ PATH Series 33 or Series 44+ Extension

3. **Cables -** Cables may represent a 0 to max 100 percent visual fill within the loading area for the firestop device module. Cables to be rigidly supported on both sides of the wall assembly. Any combination of the following types of cables may be used:
   A. Max 400 pair No. 24 AWG (or smaller) copper conductor telecommunication cable with polyvinyl chloride (PVC) or plenum-rated jacketing and insulation.
   B. Max 750 kcmil single copper conductor power cable with XLPE jacket and insulation
   C. Max 7/C No. 12 AWG copper conductor control cable with PVC or XLPE jacket and insulation.
   D. Max 3/C No. 2/0 AWG metal clad or armored cable with steel or aluminum jacket.
   E. Max 3/C No. 8 AWG NM cable (Romex) with PVC insulation and jacket.
   F. Max four pair No. 22 AWG (or smaller) copper conductor data cable with PVC or plenum rated jacketing and insulation.
   G. Coaxial cable with fluorinated ethylene or PVC insulation and jacketing having a max diam of 5/8 in. (16 mm).
   H. Optical fiber cable with PVC or polyethylene (PE) jacket and insulation and having a max diam of 5/8 in. (16 mm).
   I. Max RG6/U coaxial cable with fluorinated ethylene, polyethylene (PE), PVC or plenum rated jacketing and insulation.

When Series 22 EZ Path device modules are used and when the hourly rating of the wall assembly is 1 hr, the T, FT and FTH Ratings are 3/4 hr except that for Items 3F, 3G and 3H, the T, FT and FTH Ratings are 1 hr. When the hourly fire rating of the wall assembly is 2 hr or greater, the T, FT and FTH Ratings are 3/4 hr when cables are installed. When no cables are installed within the device module, the T, FT and FTH Ratings are 1 hr in 1 hr walls and 1-1/2 hr for 2, 3 and 4 hr walls. When Item 3A, 3B, 3C, 3D or 3E is used, the maximum F and FH Ratings are 2 hr. When max 200 pair No. 24 AWG telecommunication cable and/or 350 kcmil power cable is used or when Item 3F, 3G, 3H or 3I is used, the maximum F and FH Ratings are 4 hr.

When Series 33 EZ Path device modules are used and when the hourly rating of the wall assembly is 1 hr, the T, FT and FTH Ratings are 3/4 hr. When the hourly fire rating of the wall assembly is greater than 1 hr, the T, FT and FTH Ratings are 3/4 hr when Item 3A, 3B, 3C, 3D or 3E is used. Otherwise the T, FT and FTH Ratings are 1 hr. When Item 3A, 3B, 3C, 3D or 3E is used, the maximum F and FH Ratings are 2 hr. When max 200 pair No. 24 AWG telecommunication cable is used or when Item 3F, 3G, 3H or 3I is used, the maximum F and FH Ratings are 4 hr.

When Series 44 + EZ Path device modules are used and when Item 3A, 3B, 3C, 3D or 3E is used, the max F and FH Ratings are 3 hr and the T, FT and FTH Ratings are 1 hr. When Item 3F or 3G is used, the max F and FH Ratings are 4 hr and the T, FT and FTH Ratings are 1-1/2 hr. When Item 3H or 3I is used, the max F and FH Ratings are 4 hr and the T, FT and FTH Ratings are 2 hr. When device empty, the T, FT and FTH Ratings are 1-1/2 hr.

•Bearing the UL Listing Mark

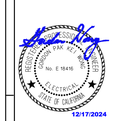
*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
6/26/2025, 2:54:24 PM
S250003-34-00
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:



12/17/2024

DESIGN PROFESSIONALS OF RECORD:

UCDAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
SACRAMENTO, CALIFORNIA 95817
(916)734-7024

TAYLOR design

REV	REVISION DESCRIPTION	DATE

CONST. DOCUMENTS

KEYPLAN

TAYLOR design
REVIEWED FOR GENERAL CONFORMANCE WITH OSHPD
This document has been prepared by other design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state. It has been examined by me for:
1) design intent and appears to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me, and
2) coordination with my plans and specifications and is acceptable for incorporation into the construction of this project.
SIGNATURE PROVIDED PER CAC 7-115
LICENSE NUMBER: C-36306
DATE: 12/18/2024
This Statement of General Conformance shall not be construed as relieving any party of its responsibility as required by Section 129820 of the Health and Safety Code and Sections 7-115.2(c)(2), (b), and (c), 7-126 and 7-132 of Title 24, Part 1.

UCDH PROJECT NO.: 9557750
HCAI - OSHPD NO.: S250003-34-00
BUILDING: BLDG-01445
FLOOR \ WING: 10TH FLOOR
PROJECT TITLE: **DT10 PICU CEILING TILE & BOOM REPLACEMENT**
SHEET TITLE: **DETAILS**

ARCH.\ENGR.	FD&C JOB NO.	SHEET NO.
ARCH	9557750 - L010335	**E-602**
UCDMC PROJ. MANAGER	SCALE	
SEJAL SHARMA	AS NOTED	
DESIGNED BY	DATE	
LAI VO	12/16/24	
DRAWN BY	CAD FILE	SHEET OF
ANH LE	-	

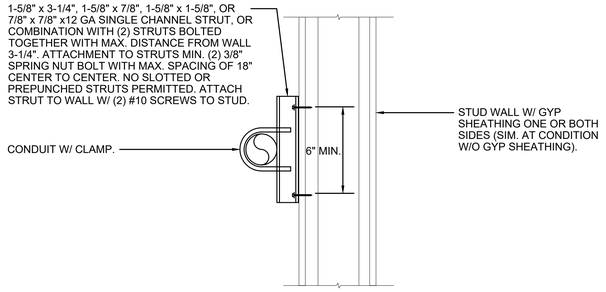
EDGE ELECTRICAL CONSULTING

Project Number J431
Contact LAI VO

400 R Street, Ste 333
Sacramento, CA 95811
916.256.2460

Sacramento | Alameda | Irvine

FILE NAME:

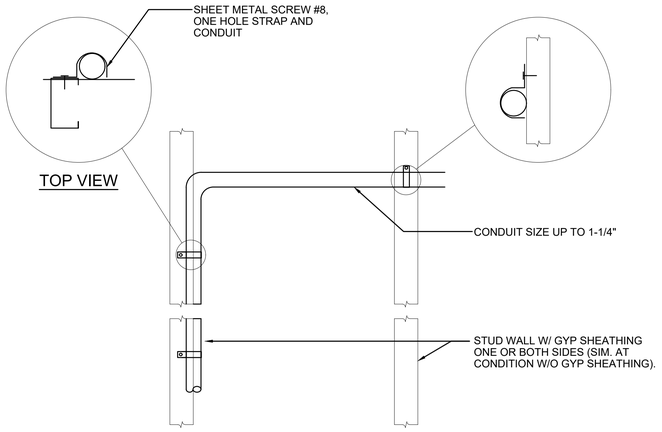


NOTES:

1. FOR 3/4" TO 2" CONDUIT, SUPPORTS @ 10'-0" OC MAX., MAX. WEIGHT PER CONNECTION IS 20 LBS.
2. FOR 3" CONDUIT, SUPPORTS @ 6'-0" OC MAX., MAX. WEIGHT PER CONNECTION IS 50 LBS.
3. FOR 4" CONDUIT, SUPPORTS @ 4'-0" OC MAX., MAX. WEIGHT PER CONNECTION IS 55 LBS.

6 HORIZONTAL CONDUIT TO WALL DETAIL

SCALE: NONE



ELEVATION

NOTES:

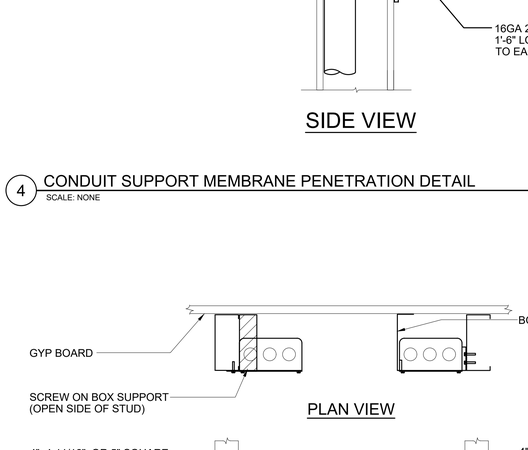
1. SUPPORTS AT 8'-0" O.C., MAX.

7 ONE HOLE STRAP CONDUIT DETAIL

SCALE: NONE

8 SURFACE MOUNTED BOX DETAIL

SCALE: NONE



3 VERTICAL CONDUIT SUPPORT BETWEEN STUD

SCALE: NONE

SIDE VIEW

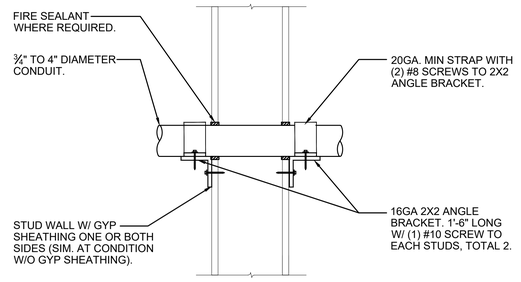
4 CONDUIT SUPPORT MEMBRANE PENETRATION DETAIL

SCALE: NONE

5 BOX SUPPORT (ON STUDS)

SCALE: NONE

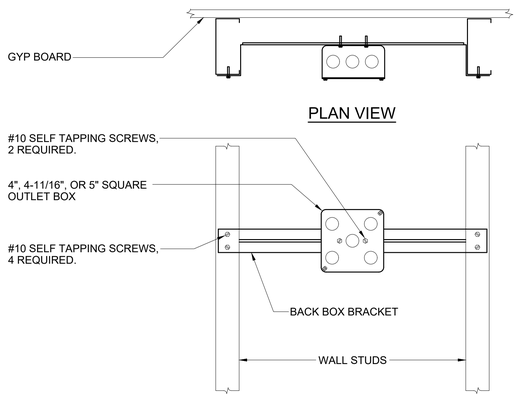
ELEVATION



SIDE VIEW

1 CONDUIT THRU WALL DETAIL

SCALE: NONE



PLAN VIEW

ELEVATION

2 BOX SUPPORT (BETWEEN STUDS)

SCALE: NONE

FILE NAME:

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
6/26/2025, 2:54:24 PM
S250003-34-00
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

STATE OF CALIFORNIA — No. E 18416 — ELECTRICAL
12/17/2024

DESIGN PROFESSIONALS OF RECORD:

UCDAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
SACRAMENTO, CALIFORNIA 95817
(916)734-7024

TAYLOR design

REV	REVISION DESCRIPTION	DATE

CONST. DOCUMENTS

KEYPLAN

TAYLOR design
REVIEWED FOR GENERAL CONFORMANCE
ONLY
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1) design intent and appears to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me, and

2) coordination with my plans and specifications and is acceptable for incorporation into construction of this project.

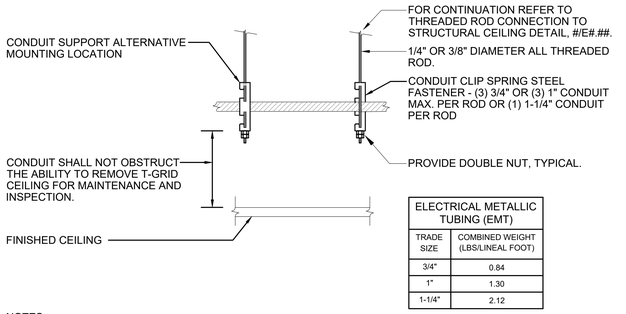
SIGNATURE PROVIDED PER CAC 7-115

LICENSE NUMBER: C-3036
DATE: 12/18/2024
This Statement of General Conformance shall not be construed as relieving any party of its duties and responsibilities under Section 129020 of the Health and Safety Code and Sections 7-115 (b.3), (c), and (c), 7-126 and 7-132 of Title 24, Part 1.

UCDH PROJECT NO.: 9557750
HCAI - OSHPD NO.: S250003-34-00
BUILDING: BLDG-01445
FLOOR \ WING: 10TH FLOOR
PROJECT TITLE: DT10 PICU CEILING TILE & BOOM REPLACEMENT
SHEET TITLE: DETAILS

ARCH.\ENGR.	FD&C JOB NO.	SHEET NO.
ARCH	9557750 - L010335	E-603
UCDMC PROJ. MANAGER	SCALE	
SEJAL SHARMA	AS NOTED	
DESIGNED BY	DATE	
LAI VO	12/16/24	
DRAWN BY	CAD FILE	SHEET / OF
ANH LE	-	

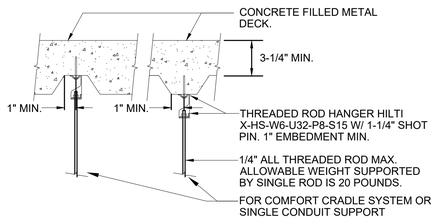
EDGE ELECTRICAL CONSULTING
Project Number J431
Contact LAI VO
400 R Street, Ste 333
Sacramento, CA 95811
916.256.2460
Sacramento | Alameda | Irvine



ELECTRICAL METALLIC TUBING (EMT)	
TRADE SIZE	COMBINED WEIGHT (LBS/LINEAL FOOT)
3/4"	0.84
1"	1.30
1-1/4"	2.12

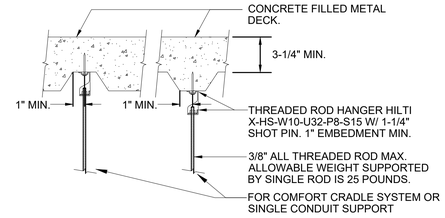
NOTES:
1. WEIGHT: LESS THAN 5LB/FT.
2. SPACING BETWEEN HANGERS SHALL BE PER CEC REQUIREMENTS. DO NOT EXCEED 3 FEET BETWEEN EACH RACEWAY TERMINATION AND MAXIMUM OF 10 FEET BETWEEN SUPPORTS.
3. PLACEMENT OF HANGER SHALL NOT OBSTRUCT THE REMOVAL AND/OR INSTALLATION OF CEILING MATERIALS WHETHER FOR CONSTRUCTION OR MAINTENANCE.

6 THREADED ROD CONDUIT SUPPORT DETAIL
SCALE: NONE



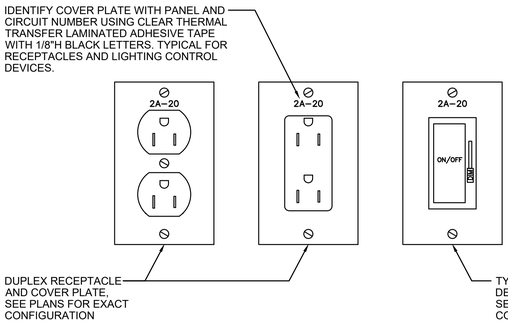
NOTES:
1. UPON INSTALLATION OF FASTENER INTO CONCRETE FILLED METAL DECK, CONTRACTOR TO PATCH/REPAIR DAMAGE TO EXISTING. SPRAY APPLIED FIREPROOFING, AS REQUIRED, TO RESTORE ORIGINAL FIREPROOFING THICKNESS AND FIRE RATING.
2. ANCHOR MAY BE PLACED AT HIGH OR LOW FLUTE, CENTER ANCHOR IN FLUTE.
3. TENSION TEST 50% OF CEILING CLIP ASSEMBLIES TO 180LBS. SEE "POST INSTALLED" NOTES AND "POST INSTALLED ANCHOR TESTING CRITERIA" NOTES ON STRUCTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
4. MAX. LENGTH OF ROD IS 60 INCHES.

3 1/4" THREADED ROD TO CONCRETE FILLED METAL DECK DETAIL
SCALE: NONE

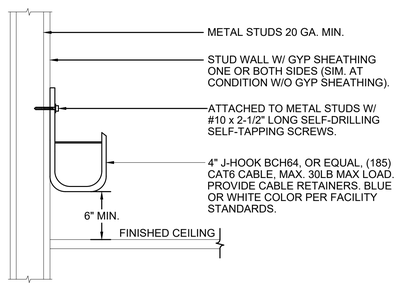


NOTES:
1. UPON INSTALLATION OF FASTENER INTO CONCRETE FILLED METAL DECK, CONTRACTOR TO PATCH/REPAIR DAMAGE TO EXISTING. SPRAY APPLIED FIREPROOFING, AS REQUIRED, TO RESTORE ORIGINAL FIREPROOFING THICKNESS AND FIRE RATING.
2. ANCHOR MAY BE PLACED AT HIGH OR LOW FLUTE, CENTER ANCHOR IN FLUTE.
3. TENSION TEST 50% OF CEILING CLIP ASSEMBLIES TO 180LBS. SEE "POST INSTALLED" NOTES AND "POST INSTALLED ANCHOR TESTING CRITERIA" NOTES ON STRUCTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
4. MAX. LENGTH OF ROD IS 60 INCHES.

1 3/8" THREADED ROD TO CONCRETE FILLED METAL DECK DETAIL
SCALE: NONE

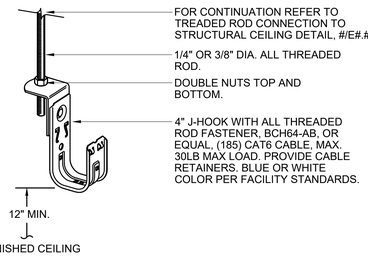


7 RECEPTACLE AND LIGHT SWITCH DESIGNATION DETAIL
SCALE: NONE



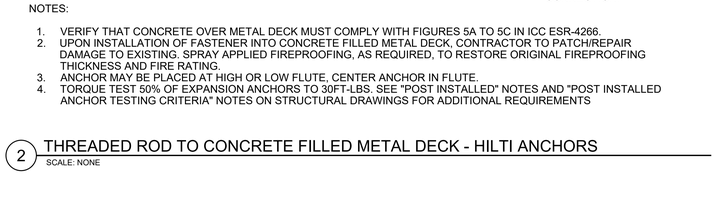
NOTES:
1. MAXIMUM TOTAL LOAD PER J-HOOK IS 20LBS, MAXIMUM TOTAL UNIFORM LOAD IS 5LBS PER LINEAL FOOT.
2. LEAVE MINIMUM 25% SPACE CAPACITY FOR FUTURE CABLE INSTALLATION.
3. J-HOOK SUPPORTS SHALL BE SPACED AT 48", ON CENTER, MAX.
4. CONTRACTOR TO DETERMINE EXACT QUANTITY OF LOOPS REQUIRED.
5. PLACEMENT OF J-HOOK SHALL NOT OBSTRUCT THE REMOVAL AND/OR INSTALLATION OF CEILING MATERIALS WHETHER FOR CONSTRUCTION OR MAINTENANCE.

8 LOW VOLTAGE CABLE SUPPORT DETAIL - SURFACE MOUNTED J-HOOK
SCALE: NONE



NOTES:
1. MAXIMUM TOTAL LOAD PER J-HOOK IS 20LBS, MAXIMUM TOTAL UNIFORM LOAD IS 5LBS PER LINEAL FOOT.
2. LEAVE MINIMUM 25% SPACE CAPACITY FOR FUTURE CABLE INSTALLATION.
3. J-HOOK SUPPORTS SHALL BE SPACED AT 48", ON CENTER, MAX.
4. PLACEMENT OF J-HOOK SHALL NOT OBSTRUCT THE REMOVAL AND/OR INSTALLATION OF CEILING MATERIALS WHETHER FOR CONSTRUCTION OR MAINTENANCE.

5 LOW VOLTAGE CABLE SUPPORT DETAIL - J-HOOK
SCALE: NONE



NOTES:
1. VERIFY THAT CONCRETE OVER METAL DECK MUST COMPLY WITH FIGURES 5A TO 5C IN ICC ESR-4266.
2. UPON INSTALLATION OF FASTENER INTO CONCRETE FILLED METAL DECK, CONTRACTOR TO PATCH/REPAIR DAMAGE TO EXISTING. SPRAY APPLIED FIREPROOFING, AS REQUIRED, TO RESTORE ORIGINAL FIREPROOFING THICKNESS AND FIRE RATING.
3. ANCHOR MAY BE PLACED AT HIGH OR LOW FLUTE, CENTER ANCHOR IN FLUTE.
4. TORQUE TEST 50% OF EXPANSION ANCHORS TO 30FT-LBS. SEE "POST INSTALLED" NOTES AND "POST INSTALLED ANCHOR TESTING CRITERIA" NOTES ON STRUCTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS

2 THREADED ROD TO CONCRETE FILLED METAL DECK - HILTI ANCHORS
SCALE: NONE

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
6/26/2025, 2:54:24 PM
S250003-34-00
Tony Tan

DEPARTMENT OF HEALTHCARE ACCESS AND INFORMATION:

STATE OF CALIFORNIA — No. E 18416 — ELECTRICAL — REGISTERED PROFESSIONAL ENGINEER
12/17/2024

DESIGN PROFESSIONALS OF RECORD:

UCDAVIS HEALTH
FACILITIES DESIGN & CONSTRUCTION
4800 2ND AVENUE SUITE 3010
SACRAMENTO, CALIFORNIA 95817
(916)734-7934

TAYLOR design

REV	REVISION DESCRIPTION	DATE

CONST. DOCUMENTS

KEYPLAN

TAYLOR design
REVIEWED FOR GENERAL CONFORMANCE (DSA/PS)
This document has been prepared by Taylor design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state. It has been examined by me for:
1) design intent and appears to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me, and
2) coordination with my plans and specifications and is acceptable for incorporation into the construction of this project.
SIGNATURE PROVIDED PER CAC 7-119
LICENSE NUMBER: C-33036
DATE: 12/18/2024
The Review for General Conformance shall not be construed as relieving me of my rights, duties, and responsibilities under Section 5536.25 of the Health and Safety Code and Sections 7-115 (a.3), (b), and (c), 7-129 and 7-132 of Title 24, Part 1.

UCDH PROJECT NO.: 9557750
HCAI - OSHPD NO.: S250003-34-00
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FLOOR \ WING: 10TH FLOOR
PROJECT TITLE: DT10 PICU CEILING TILE & BOOM REPLACEMENT
SHEET TITLE: DETAILS

ARCH \ENGR.	FD&C JOB NO.	SHEET NO.
ARCH	9557750 - L010335	E-604
UCDMC PROJ. MANAGER	SCALE	
SEJAL SHARMA	AS NOTED	
DESIGNED BY	DATE	
LAI VO	12/16/24	
DRAWN BY	CAD FILE	SHEET OF
ANH LE	-	

EDGE ELECTRICAL CONSULTING
Project Number J431
Contact LAI VO
400 R Street, Ste 333
Sacramento, CA 95811
916.256.2460
Sacramento | Alameda | Irvine

FILE NAME: