NOTE: RENDERING NOT FOR CONSTRUCTION USE

NATIVIDAD MEDICAL CENTER

1441 CONSTITUTION BOULEVARD
SALINAS, CA 93906

Natividad MEDICAL CENTER

HGA
222 SUTTER STREET, SUITE 500
SAN FRANCISCO, CALIFORNIA 94108
TELEPHONE: 415.814.6910

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
4/9/2025, 1:09:36 PM
S240593-27-00
Russell Rocker

LICENSED ARCHITECT
ANNA R. KEMPF
C-39256
JUNE 30, 2025
RENEWAL DATE
STATE OF CALIFORNIA

HGA COMMISSION NUMBER: 3707-016-00

CONSTRUCTION DOCUMENT
APRIL, 16, 2024

PROJECT INFORMATION

PROJECT NAME: NATIVIDAD MEDICAL CENTER - MEDICAL SURGE DEPARTMENT

PROJECT DESCRIPTION: UPGRADING THE EXISTING MEDICAL-SURGICAL INPATIENT UNIT ON LEVEL 3 OF THE NATIVIDAD MEDICAL CENTER HOSPITAL, TO BRING THE UNIT UP TO OTHER RECENTLY UPGRADED UNITS. THE FOCUS OF THE UPGRADING ARE AS FOLLOWS: (1) ADDING CHARTING STATIONS TO EACH PATIENT ROOM AND HALLWAY STATIONS, (2) CONVERTING A SELECT GROUP OF PRIVATE ROOMS TO SEMI-PRIVATES, (3) UPGRADING LIGHTING AT THE PATIENT HEADWALLS (TO SUPPORT #2), (4) UPGRADING THE FINISHES AT THE TOILET ROOMS (INCLUDING MAKING THREE TOILET-SHOWER ROOMS ACCESSIBLE), AND (5) UPGRADING FINISHES TO THE PATIENT ROOMS AND SELECT PORTIONS OF THE PUBLIC CORRIDORS.

PROJECT OCCUPANCY:
I-2

TYPE OF CONSTRUCTION:
TYPE 1-A, FULLY SPRINKLERED

FACILITY NAME:
NATIVIDAD MEDICAL CENTER
1441 CONSTITUTION BOULEVARD
SALINAS, CA 93906

HCAI FACILITY ID#:
17353
HCAI ID#:
106274043

APPROXIMATE PROJECT FLOOR AREA:
10,770 SF

PROJECT BUILDING NUMBER/ BUILDING NAME:
BLD-02545/
ACUTE CARE (BLDG.500) - BLDG 04

FACILITY NAME:
NATIVIDAD MEDICAL CENTER
1441 CONSTITUTION BOULEVARD
SALINAS, CA 93906

HCAI FACILITY ID#:
17353
HCAI ID#:
106274043

APPROXIMATE PROJECT FLOOR AREA:
10,770 SF

NUMBER OF STORIES:
3

ROJECT BUILDING DATE OF ORIGINAL CONSTRUCTION:
2005

PROJECT BUILDING SEISMIC PERFORMANCE:
SPC: 5
NPC: 3

SEISMIC DESIGN:
D

CONTACT INFORMATION

OWNER: NATIVIDAD MEDICAL CENTER
CONTACT: ANDREA ROSENBERG
PHONE: (831) 755-6285
EMAIL: ROSENBERGAJ@NATIVIDAD.COM

ARCHITECT: HAMMEL, GREEN AND ABRAHAMSON
CONTACT: JOANN BROOKES
PHONE: (415) 814-6916
EMAIL: JBROOKES@HGA.COM

STRUCTURAL: BUEHLER ENGINEERING
CONTACT: WARREN POTTEBAUM EMAIL: WPOTTEBAUM@BUEHLERENGINEERING.COM
PHONE: (916) 443-0303

MECHANICAL: GLUMAC
CONTACT: BEAU BRUNEMAN
PHONE: (415) 398-7667
EMAIL: BBRUNEMAN@GLUMAC.COM

PLUMBING: GLUMAC
CONTACT: DANIEL HARPER
PHONE: (415) 398-7667
EMAIL: DHARPER@GLUMAC.COM

ELECTRICAL: INT-ELECT ENGINEERING
CONTACT: DOUGLAS BLESSING
PHONE: (408) 846-7171
EMAIL: DOUG@INT-ELECT.COM

INTERIORS: GALLUN SNOW
CONTACT: COURTNEY MCNAUL
PHONE: (720) 407-6016
EMAIL: CMCNAUL@GALLUNSNOW.COM

CODE INFORMATION

2022 CALIFORNIA ADMINISTRATIVE CODE (CAC)
PART 1, TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)
2022 CALIFORNIA BUILDING CODE (CBC):
PART 2, TITLE 24, CCR; BASED ON THE 2021 INTERNATIONAL BUILDING CODE (IBC)
2022 CALIFORNIA ELECTRICAL CODE (CEC):
PART 3, TITLE 24, CCR; BASED ON THE 2020 NATIONAL ELECTRICAL CODE (NEC)
2022 CALIFORNIA MECHANICAL CODE (CMC):
PART 4, TITLE 24, CCR BASED ON THE 2021 UNIFORM MECHANICAL CODE (UMC)
2022 CALIFORNIA PLUMBING CODE (CPC):
PART 5, TITLE 24, CCR; BASED ON THE 2021 UNIFORM PLUMBING CODE (UPC)
2022 CALIFORNIA FIRE CODE(CFC):
PART 9, TITLE 24, CCR, BASED ON THE 2021 INTERNATIONAL FIRE CODE (IFC)
ACCESSIBILITY CODE:
CHAPTER 11/11B, 2016 CBC AND 2010 ADA (28 CFR PART 36)
ENERGY CODE:
2019 CALIFORNIA ENERGY CODE - PART 6, TITLE 24, CCR
SIGN CODE:
AMERICANS WITH DISABILITIES ACT (ADA), CBC (TITLE 24), & UFC (TITLE 19)
ANSI:
CABO/ANSI A117-1 - 1992 (ACCESSIBILITY)
FM INSURED:
N/A
HEALTH DEPARTMENT REGULATIONS:
CALIFORNIA DEPARTMENT PUBLIC HEALTH (CDPH)
HEALTHCARE DESIGN GUIDELINES:
CHAPTER 4, CBC - PART 2, TITLE 24, CCR AND TITLE 22 - DIVISION 5, CCR
AUTHORITY HAVING JURISDICTION:
CALIFORNIA DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION (HCAI)
COUNTY OF:
MONTEREY COUNTY, CALIFORNIA (HCAI COUNTY CODE: 27)

DEFERRED SUBMITTALS

1. FIRE SPRINKLER DESIGN.
2. SEISMIC BRACING FOR MECHANICAL AND PLUMBING SYSTEMS, INCLUDING EQUIPMENT, PIPING, AND DUCTWORK.
3. PIPE SYSTEM CERTIFICATION AND ANALYSIS.
4. FIRE ALARM..

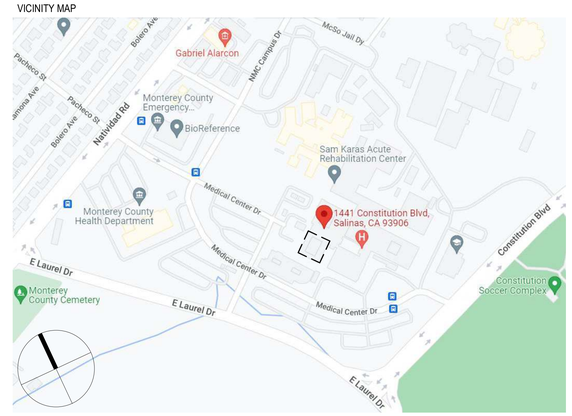
DRAWING INDEX

REV #	NUMBER	SHEET NAME
1-GENERAL		
BC2	G000	COVERSHEET
BC1	G031	LIFE SAFETY PLAN LEVEL 01
BC2	G033	LIFE SAFETY PLAN LEVEL 02 & 03
4-ARCHITECTURAL		
	A010	GENERAL NOTES AND SYMBOLS
	A011	MATERIAL IDENTIFICATION CODES
BC2	A103	DEMOLITION PLAN - LEVEL 03
	A123	DEMOLITION REFLECTED CEILING PLAN - LEVEL 03
BC2	A203	OVERALL FLOOR PLAN - LEVEL 03
BC2	A203.A1	ENLARGED FLOOR PLAN - LEVEL 03 AREA A1
BC2	A203.A2	ENLARGED FLOOR PLAN - LEVEL 03 AREA A2
BC2	A302	REFLECTED CEILING PLAN - LEVEL 02
BC1	A303	REFLECTED CEILING PLAN - LEVEL 03
BC2	A600	TYPICAL MOUNTING HEIGHTS AND CLEARANCES
	A601	SIGNAGE + DESIGN GUIDE - MOUNTING HEIGHTS
	A602	TYPICAL RESTROOM AND SHOWER PLANS
BC2	A620	ENLARGED TOILET PLANS & INTERIOR ELEVATIONS
BC1	A621	ENLARGED SEMI-PRIVATE PATIENT ROOM PLAN & ELEVATIONS
BC1	A622	ENLARGED SINGLE PATIENT ROOM PLAN & ELEVATIONS
BC1	A623	ENLARGED IMC PATIENT ROOM PLAN & ELEVATIONS
BC2	A624	INTERIOR ELEVATIONS
BC1	A625	INTERIOR ELEVATIONS
BC1	A626	INTERIOR ELEVATIONS
BC1	A640	TYPICAL CASEWORK DETAILS AND GENERAL NOTES
	A650	TOILET/SHOWER DETAILS
BC2	A660	TYPICAL INTERIOR PARTITION TYPES
	A663	OPD - STANDARD PARTITION WALL DETAILS
	A663.1	OPD - STANDARD PARTITION WALL DETAILS
	A663.2	OPD - STANDARD PARTITION WALL DETAILS
	A663.3	OPD - STANDARD PARTITION WALL DETAILS
	A663.4	OPD - STANDARD PARTITION WALL DETAILS
	A663.5	OPD - STANDARD PARTITION WALL DETAILS
BC1	A670	CEILING DETAILS
	A671	CEILING DETAILS - ACOUSTICAL TILE/LAY-IN PANEL OPDS
	A671.1	CEILING DETAILS - ACOUSTICAL TILE/LAY-IN PANEL OPDS
	A671.2	CEILING DETAILS - ACOUSTICAL TILE/LAY-IN PANEL OPDS
	A671.3	CEILING DETAILS - ACOUSTICAL TILE/LAY-IN PANEL OPDS
	A671.4	CEILING DETAILS - ACOUSTICAL TILE/LAY-IN PANEL OPDS
	A672	CEILING DETAILS - JOISTED GYP BOARD OPDS
BC1	A673	CEILING DETAILS - JOISTED GYP BOARD - 1HR RATED
	A680	OPENING DETAILS
BC1	A690	FINISH DETAILS
BC1	A700	DOOR SCHEDULE
BC1	A730	EQUIPMENT SCHEDULE
BC1	A740	UL LISTINGS
4I- INTERIOR		
	I-010	FINISH LEGEND, GENERAL NOTES, AND ABBREVIATIONS
	I-020	FINISH SCHEDULE
	I-100	INTERIOR FINISH PLAN - A1
	I-101	INTERIOR FINISH PLAN - A2
	I-102	INTERIOR FLOOR PATTERN PLAN - A1

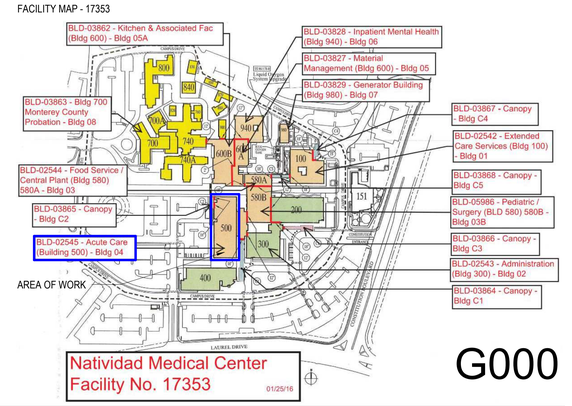
DRAWING INDEX

REV #	NUMBER	SHEET NAME
	I-103	INTERIOR FLOOR PATTERN PLAN - A2
	I-104	INTERIOR WALL PROTECTION PLAN - A1
	I-105	INTERIOR WALL PROTECTION PLAN - A2
	I-200	INTERIOR DETAILS
5-STRUCTURAL		
	S1.01	GENERAL NOTES
	S2.01	THIRD FLOOR PARTIAL PLAN
BC2	S2.02	DETAILS
	S2.03	DETAILS
7-MECHANICAL		
	M000	MECHANICAL LEGEND AND ABBREVIATIONS
	M001	MECHANICAL SHEET SPECIFICATIONS
	M002	BASIS OF DESIGN AND TABULATED DATA
	M101	LEVEL 3 - HVAC DEMOLITION PLAN
	M203	LEVEL 3 - HVAC PLAN
	M901	MECHANICAL DETAILS
8-ARCHITECTURAL		
	A011	MATERIAL IDENTIFICATION CODES
	A201	FLOOR PLAN - LEVEL 01
	A301	REFLECTED CEILING PLAN - LEVEL 01
8-PLUMBING		
	P000	PLUMBING LEGEND AND ABBREVIATIONS
	P001	PLUMBING SHEET SPECIFICATIONS
	P002	SCHEDULES & DETAILS
BC2	P100	LEVEL 2 - PLUMBING DEMOLITION PLAN
	P101	LEVEL 3 - PLUMBING DEMOLITION PLAN
BC2	P200	LEVEL 2 - PLUMBING PLAN
	P201	LEVEL 3 - PLUMBING PLAN
	P601	ENLARGED PLANS
	P602	ENLARGED PLANS
	P603	ENLARGED PLANS
9-ELECTRICAL		
	E001	ELECTRICAL SYMBOLS & GENERAL NOTES
	E101	PARTIAL SINGLE LINE DIAGRAMS & PANEL SCHEDULES
	E102	E102 PARTIAL SINGLE LINE DIAGRAMS & PANEL SCHEDULES
	E103	PARTIAL SINGLE LINE DIAGRAMS & PANEL SCHEDULES
	E104	RELOCATE-REMOVE LOAD MATRIX & LIGHTING FIXTURE SCHEDULES
	E200	OVERALL LIGHTING PLAN
	E201	LIGHTING DEMOLITION PLAN - PART A
	E202	LIGHTING DEMOLITION PLAN - PART B
	E203	LIGHTING DEMOLITION PLAN - PART C
	E204	LIGHTING PLAN - PART A
	E205	LIGHTING PLAN - PART B
	E206	LIGHTING PLAN - PART C
	E300	OVERALL POWER PLAN
	E301	POWER DEMOLITION PLAN - PART A
	E302	POWER DEMOLITION PLAN - PART B
	E303	POWER DEMOLITION PLAN - PART C
	E304	POWER PLAN - PART A
	E305	POWER PLAN - PART B
	E306	POWER PLAN - PART C
	E401	ELECTRICAL DETAILS
	E501	ELECTRIAL SPECIFICATIONS - PART 1
	E502	ELECTRIAL SPECIFICATIONS - PART 2
Grand total: 99		

VICINITY MAP



FACILITY MAP - 17353



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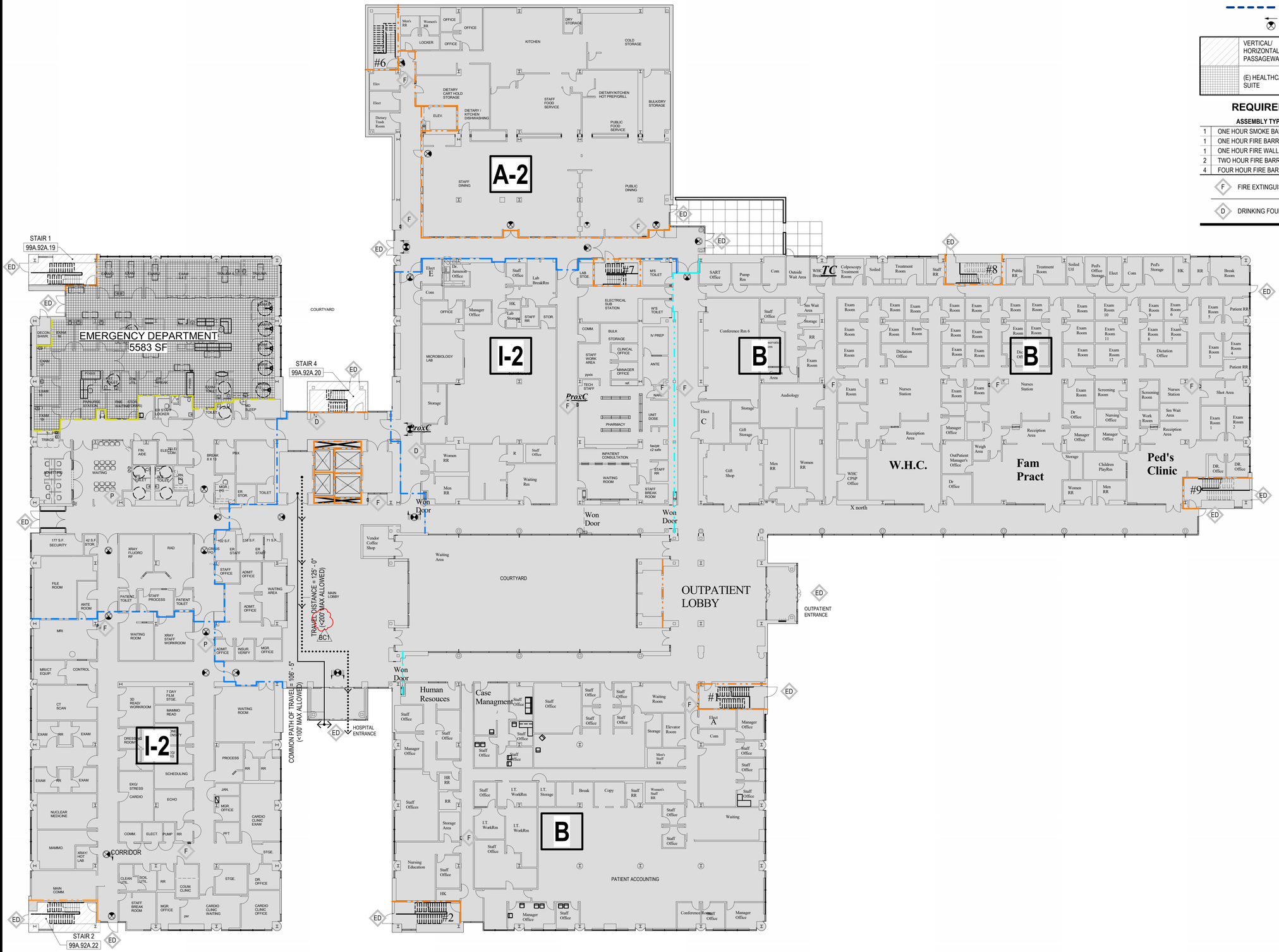

1 LIFE SAFETY PLAN - LEVEL 01
1/16" = 1'-0"

LIFE SAFETY PLAN SYMBOL DESIGNATIONS

(SYMBOLS ONLY- SEE LIFE SAFETY PLANS FOR ACTUAL INFORMATION)

I-2	OCCUPANCY CLASSIFICATION
XXX SF	HEALTHCARE SUITE SQUARE FOOTAGE (10,000 SF MAX AT NON-SLEEPING TREATMENT AREAS) (7,500 SF MAX AT SLEEPING AREAS)
	TRAVEL DISTANCE TO NEAREST EXIT
	ACCESSIBLE PATH OF TRAVEL
	EXIT SIGN
	VERTICAL/ HORIZONTAL EXIT PASSAGEWAY
	NEW EXIT PATHIEGRESS CORRIDOR
	(E) HEALTHCARE SUITE
	AREA NIC

REQUIRED ASSEMBLY RATING

	ASSEMBLY TYPE	EXISTING
1	ONE HOUR SMOKE BARRIER	ES
1	ONE HOUR FIRE BARRIER	EB
1	ONE HOUR FIRE WALL	EW
2	TWO HOUR FIRE BARRIER	EB
4	FOUR HOUR FIRE BARRIER	EB

F	FIRE EXTINGUISHER	ED	EXIT DISCHARGE
D	DRINKING FOUNTAIN	P	PUBLIC TELEPHONE

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STRUCTURAL ENGINEER
BUEHLER ENGINEERING
180 MONTGOMERY STREET, SUITE 1500,
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415.495.1635

MECHANICAL/PLUMBING ENGINEER
GLUMAC
100 MONTGOMERY STREET, SUITE 2050,
SAN FRANCISCO, CA 94104
415.398.7667

ELECTRICAL ENGINEER
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1487 FINCH LANE, GILROY, CA 95020
408.846.7171

INTERIOR DESIGNER
GALLUN SNOW
1900 GRANT STREET, SUITE 750,
DENVER, CO. 80203
303.433.9500

Natividad MEDICAL CENTER

NATIVIDAD MEDICAL CENTER

MEDICAL SURGERY DEPARTMENT LEVEL 3

1441 CONSTITUTION BOULEVARD
SALINAS, CA 93906

HCAI RECORD NUMBER:
S240593-27-00
HCAI FACILITY ID: 17353

KEYPLAN

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
4/9/2025, 1:09:36 PM
S240593-27-00
Russell Rocker

HCAI APPROVAL

LICENSED ARCHITECT
ANNA R. KEMPF
C-39256
JUNE 30, 2025
RENEWAL DATE
STATE OF CALIFORNIA

AGENCY APPROVAL

NO	DESCRIPTION	DATE
BC1	BACKCHECK#1	12/13/2024

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

LIFE SAFETY PLAN LEVEL 01

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

G031

CONSTRUCTION DOCUMENT

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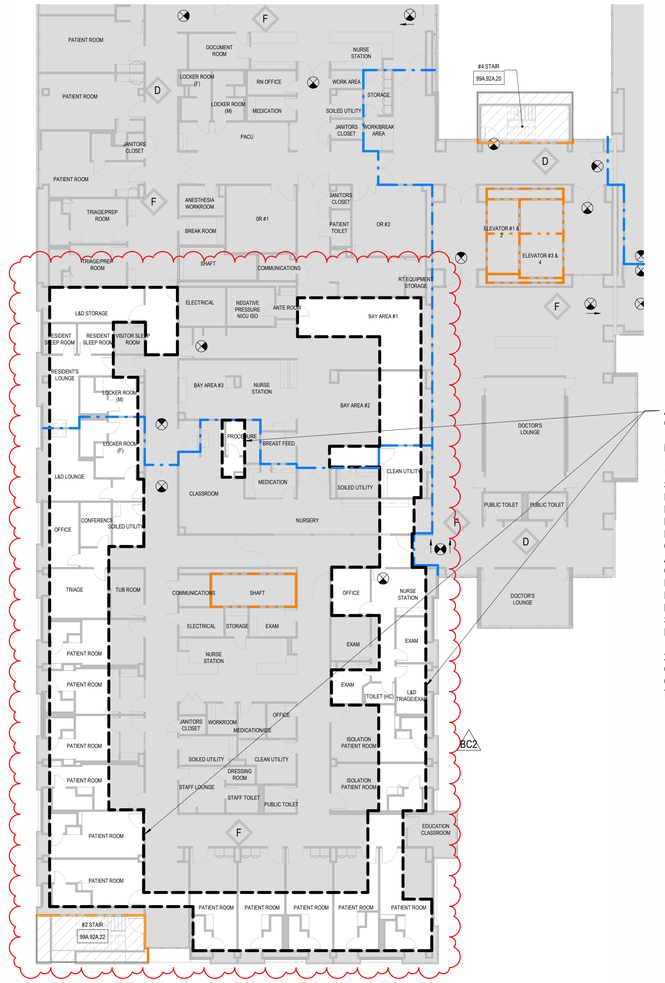


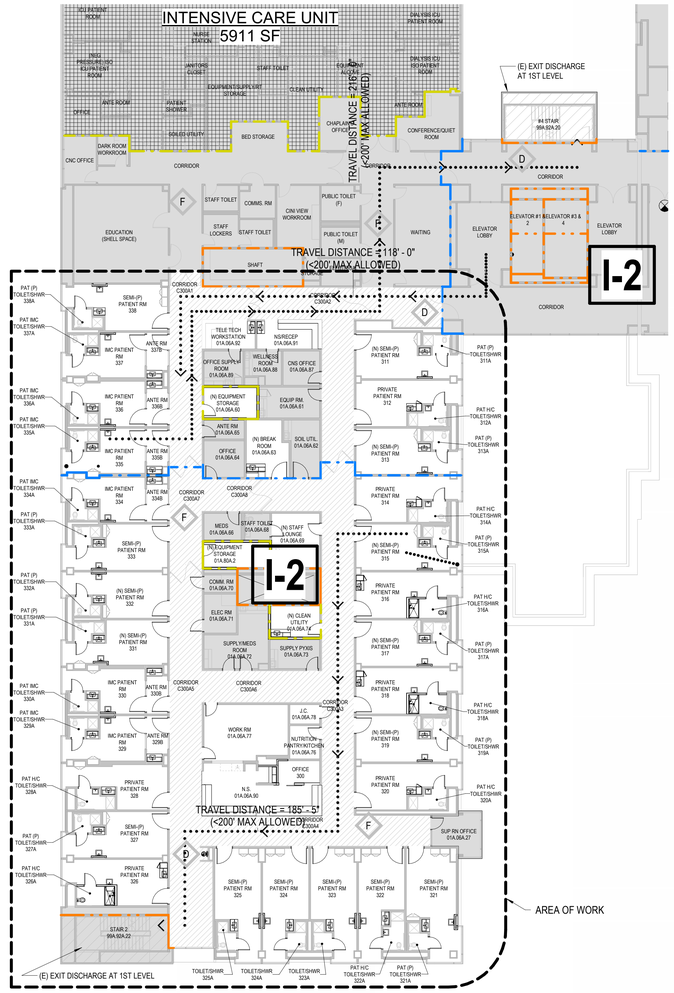
AREA OF WORK (ABOVE CEILING ONLY)

NOTE:

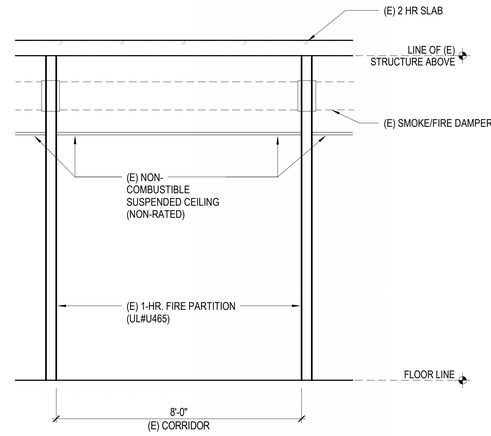
1.) EXISTING CEILING GRID SYSTEM TO REMAIN INCLUDING EXISTING MECHANICAL REGISTERS, LIFE SAFETY DEVICES, AND LIGHT FIXTURES. REMOVE AND SALVAGE EXISTING CEILING PANES AS REQUIRED TO ACCESS ABOVE CEILING DURING CONSTRUCTION. DAMAGE TO EXISTING CEILING GRID, CEILING PANEL, MECHANICAL REGISTERS, LIFE SAFETY DEVICES, ETC. SHALL BE REPAIRED OR REPLACED TO MATCH EXISTING.

2.) PROVIDE FIRE STOPPING AT CORE OPENINGS DURING CONSTRUCTION TO MAINTAIN THE EXISTING 2-HR.

1 LIFE SAFETY PLAN - LEVEL 02
1/16" = 1'-0"



2 LIFE SAFETY PLAN - LEVEL 03
1/16" = 1'-0"



3 1-HR RATED CORRIDOR -(E) CONDITION
1/2" = 1'-0"

LIFE SAFETY PLAN SYMBOL DESIGNATIONS

(SYMBOLS ONLY- SEE LIFE SAFETY PLANS FOR ACTUAL INFORMATION)

I-2	OCCUPANCY CLASSIFICATION
XXX SF	HEALTHCARE SUITE SQUARE FOOTAGE (10,000 SF MAX AT NON-SLEEPING TREATMENT AREAS) (7,500 SF MAX AT SLEEPING AREAS)
	TRAVEL DISTANCE TO NEAREST EXIT
	ACCESSIBLE PATH OF TRAVEL
	EXIT SIGN

	VERTICAL/ HORIZONTAL EXIT PASSAGEWAY		NEW EXIT PATHEGRESS CORRIDOR
	(E) HEALTHCARE SUITE		AREA NIC

REQUIRED ASSEMBLY RATING

	ASSEMBLY TYPE	EXISTING
1	ONE HOUR SMOKE BARRIER	ES
1	ONE HOUR FIRE BARRIER	EB
1	ONE HOUR FIRE WALL	EW
2	TWO HOUR FIRE BARRIER	EB
4	FOUR HOUR FIRE BARRIER	EB

F	FIRE EXTINGUISHER	ED	EXIT DISCHARGE
D	DRINKING FOUNTAIN	P	PUBLIC TELEPHONE

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222 Sutter Street, Suite 500
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STRUCTURAL ENGINEER
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ELECTRICAL ENGINEER
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1487 FINCH LANE, GILROY, CA 95020
408.846.7171

INTERIOR DESIGNER
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1900 GRANT STREET, SUITE 750,
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Natividad MEDICAL CENTER

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MEDICAL SURGERY DEPARTMENT LEVEL 3

1441 CONSTITUTION BOULEVARD
SALINAS, CA 93906

HCAI RECORD NUMBER:
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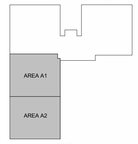

KEYPLAN

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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S2405193-27-00
Russell Rocker

HCAI APPROVAL

LICENSED ARCHITECT
ANNA R. KEMPF
C-29256
JUNE 30, 2025
RENEWAL DATE
STATE OF CALIFORNIA

AGENCY APPROVAL

NO	DESCRIPTION	DATE
BC1	BACKCHECK#1	12/13/2024
BC2	BACKCHECK#2	03/14/2025

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

LIFE SAFETY PLAN LEVEL 02 & 03

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

G033

CONSTRUCTION DOCUMENT

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A	
A/E	ARCHITECT/ENGINEER
ACOUS	ACOUSTICAL
AD	ACCESS DOOR
ADA	THE AMERICANS WITH DISABILITIES ACT
ADD	ADDENDUM
ADDL	ADDITIONAL
ADJ	ADJUSTABLE
ADJC	ADJACENT
AED	DEFIBRILATOR
AF	ACCESS FLOOR
AFF	ABOVE FINISH FLOOR
AL	ALUMINUM
ALT	ALTERNATE
AP	ACCESS PANEL
APPROX	APPROXIMATE(LY)
ARCH	ARCHITECT(URAL)
ASC	ABOVE SUSPENDED CEILING
ASPH	ASPHALT
B	
BD	BOARD
BLDG	BUILDING
BLKG	BLOCKING
BM	BEAM
BO	BOTTOM OF
BOT	BOTTOM
BRKT	BRACKET
BS	BACKSPLASH
BSMT	BASEMENT
BTW	BETWEEN
BYND	BEYOND
C	
CAB	CABINET
CEN	CENT(ER) (TRAL)
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CG	CORNER GUARD
CIP	CAST IN PLACE
CJ	CONTROL/CONSTRUCTION JOINT
CL	CENTER LINE
CLG	CEILING
CLR	CLEAR(ANCE)
CLR	CLEAR
CMPST	COMPOSITE
CMU	CONCRETE MASONRY UNIT
CNTFG	CENTRIFUGE
CNTR	COUNTER
CO	CASED OPENING; CLEAN OUT
COL	COLUMN
CONC	CONCRETE
CONN	CONNEC(TION)
CONST	CONSTRUCTION
CONT	CONTINU(E) (OUS) (ATION)
CONT	CONTINUOUS
CORR	CORRIDOR
CR	CARD READER
CYL	CYLINDER
D	
D	DEEP, DEPTH
DBL	DOUBLE
DED	DEDICATED
DEG	DEGREE
DEMO	DEMO(LISH) (LITION)
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION
DISP	DISPENSER
DN	DOWN
DO	DATA OUTLET
DR	DOOR
DWG(S)	DRAWING(S)
E	
(E), EXIST	EXISTING
E	ELEVATOR
EA	EACH
EIFS	EXTERIOR INSULATION FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRIC(AL)
ELEV	ELEVATOR
EMER	EMERGENCY
EMI	ELECTROMAGNETIC INTERFERENCE
ENCL	ENCLOSURE
EO	ELECTRICAL OUTLET
EOS	EDGE OF SLAB
EP	ELECTRICAL PANEL
EPDM	ETHYLENE PROPYLENE DIENE MONOMER
EPRF	EXPLOSION PROOF
EQ	EQUAL
EQUIP	EQUIPMENT
ETR	EXISTING TO REMAIN
EXCL	EXCLUD(E) (ED) (ING)
EXG	EXISTING
EXH	EXHAUST
EXP	EXPAN(D) (SION)
EXT	EXTERIOR
EXTR	EXTERIOR
F	
F/F	FACE TO FACE
FA	FIRE ALARM
FACP	FIRE ALARM PANEL
FAS	FASTEN(ED) (ER)
FB	FLAT BAR
FCO	FLOOR CLEAN OUT
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FLOOR FINISH
FHC	FIRE HOSE CABINET
FHP	FULL HEIGHT PARTITION
FIN	FINISH
FL	FLASHING
FLR	FLOOR(ING)
FO	FACE OF
FOC	FACE OF CONCRETE
FOW	FACE OF WALL
FP	FILLER PANEL
FSTR	FASTEN(ED) (ER)
FT	FOOT, FEET
FTG	FOOTING
G	
G	GAS
GA	GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GEN	GENERATOR
GL	GLASS
GR	GRADE
GWB	GYPSUM WALL BOARD
H	
H	HIGH, HEIGHT
HB	HOSE BIB
HD	HEAD
HDW	HARDWARE
HDWD	HARDWOOD
HGT	HEIGHT
HM	HOLLOW METAL
HMD	HOLLOW METAL DOOR
HO	HOLD OPEN
HORIZ	HORIZONTAL
HP	HIGH POINT
HR	HANDRAIL(S)
HT	HEIGHT
HVAC	HEATING, VENTILATION, AIR CONDITIONING
HYDR	HYDRAULIC
I	
ID	INSIDE DIAMETER/DIMENSION
IN	INCH(ES)
INCL	INCLU(DE) (DED) (DING) (SIVE)
INSUL	INSULAT(E) (ED)
INT	INTERIOR
INTR	INTERIOR
J	
JAN	JANITOR
JST	JOIST
JT	JOINT
K	
KOP	KNOCKOUT PANEL
KPL	KICK PLATE
KS	KNEE SPACE
L	
L	ANGLE (STRUC SHAPE)
LAB	LABORATORY
LAV	LAVATORY
LB	POUND
LENGTH	LONG, LENGTH
LF	LINEAR FOOT
LFFEET	LINEAL FOOT, FEET
LH	LEFT HAND
LHR	LEFT HAND REVERSE
LKR	LOCKER
LNTL	LINTEL
LT	LIGHT
LTG	LIGHTING
LTWT	LIGHTWEIGHT
LVL	LEVEL
LVR	LOUVER
M	
MACH	MACHINE
MAINT	MAINTENANCE
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MB	MARKERBOARD
MECH	MECHANICAL(LY)
MED	MEDIUM
MEMB	MEMBRANE
MET	METAL
MEZZ	MEZZANINE
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MT(D)	MOUNT(ED)
MTL	METAL
MUL	MULLION
MVBL	MOVABLE
N	
N	NORTH; NITROGEN
N/A	NOT APPLICABLE
NEC	NECESSARY
NIC	NOT IN CONTRACT
NO2	NITROUS OXIDE
NOM	NOMINAL
NTS	NOT TO SCALE
O	
O	OXYGEN
O2	OXYGEN
OC	ON CENTER
OD	OUTSIDE DIAMETER/DIMENSION
OF	OUTSIDE FACE
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFF	OFFICE
OFOI	OWNER FURNISHED, OWNER INSTALLED
OFVI	OWNER FURNISHED, VENDOR INSTALLED
OH	OVERHEAD
OH	OPPOSITE HAND
OHSC	OVERHEAD SERVICE CARRIER
OPG	OPENING
OPP	OPPOSITE
OPT	OPTION(AL)
P	
PA	POWER ASSIST
PAR	PARALLEL
PART	PARTICLE; PARTIAL
PB	PANIC BAR
PC	PRECAST
PERF	PERFORATED
PERIM	PERIMETER
PGBD	PEG BOARD
PL	PLATE
PLAM	PLASTIC LAMINATE
PLBG	PLUMBING
PLYWD	PLYWOOD
PNEU	PNEUMATIC
PNL	PANEL
PR	PAIR
PRCST	PRECAST
PREFAB	PREFABRICATED
PTD	PAINTED
PTN	PARTITION
PTS	PNEUMATIC TUBE STATION
Q	
QTY	QUANTITY
R	
R	RADIUS; RADII; RISER (STAIR)
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REC	RECESSED
RECP	RECEPTACLE
REF	REFER(ENCE)
REFR	REFRIGERATOR
REINF	REINFORC(E) (ED) (ING) (EMENT)
REQD	REQUIRED
RESIL	RESILIENT
REV	REVIS(E) (ED) (ION)
RH	RIGHT HAND
RHR	RIGHT HAND REVERSE
RM	ROOM
RO	ROUGH OPENING
S	
SCHED	SCHEDULE
SECT	SECTION
SF	SQUARE FOOT/FEET
SHT	SHEET(ING)
SHTG	SHEATHING
SIM	SIMILAR
SKLT	SKYLIGHT(S)
SPEC(S)	SPECIFICATION(S)
SPK	SPEAKER
SS	STAINLESS STEEL
ST	STREET
STAG	STAGGER
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUC	STRUCTUR(E) (AL)
SUSP	SUSPENDED
SYM	SYMMETR(Y) (ICAL)
T	
T	TREAD
T&G	TONGUE AND GROOVE
T/D	TELEPHONE DATA OUTLET
TEL	TELEPHONE
TEMP	TEMPORARY
TER	TERRAZZO
THK	THICKNESS
TME	TO MATCH EXISTING
TO	TOP OF
TOB	TOP OF BEAM
TOC	TOP OF CONCRETE
TOS	TOP OF STEEL
TV	TELEVISION
TYP	TYPICAL
U	
UC	UNDER CABINET
UCL	UNDER CABINET LIGHTING
UNEX	UNEXCAVATED
UNFIN	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTIBLE POWER SUPPLY
UR	URINAL
UV	ULTRAVIOLET
V	
VAC	VACUUM
VAR	VAR(Y) (IES) (IATION)
VCT	VINYL COMPOSITION TILE
VEN	VENEER
VERT	VERTICAL
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
W	
W	WIDE, WIDTH
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WD	WOOD
WP	WATERPROOFING
WSCT	WAINSCOT
WT	WEIGHT
X	
XP(D)	EXPOSE(D)

SPECIAL SYMBOLS			
&	AND	#	NUMBER
∠	ANGLE(STRUC SHAPE)	/	PER
@	AT	⊥	PERPENDICULAR
℄	CENTERLINE	±	PLUS/MINUS
ø	DIAMETER		

GENERAL NOTES - CALIFORNIA HOSPITAL

A. THESE GENERAL NOTES APPLY TO THE CONSTRUCTION DOCUMENTS AND SHALL GOVERN UNLESS NOTED OTHERWISE BY GENERAL NOTES OR KEYNOTES ON SPECIFIC SHEETS.

B. THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO ADD TO AND REMODEL PORTIONS OF THE HOSPITAL BUILDING IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH SAID TITLE 24. CALIFORNIA CODE OF REGULATIONS, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY HCAI BEFORE PROCEEDING WITH THE WORK.

C. ATTACHMENTS OF EQUIPMENT WEIGHING LESS THAN 400# AND SUPPORTED DIRECTLY ON THE FLOOR OR ROOF STRUCTURE, FURNITURE OR TEMPORARY OR MOVEABLE EQUIPMENT AND EQUIPMENT WEIGHING LESS THAN 20# THAT IS SUPPORTED BY VIBRATION ISOLATION DEVICES SUPPORTED FROM THE ROOF, WALL OR FLOOR NEED NOT BE DETAILED ON THE PLANS. (CBC TITLE 24 PART 2 SECTION 1617A.1.18 ASCE 7, SECTION 13.1.4). HOWEVER, SUCH EQUIPMENT MUST BE SUPPORTED AND ANCHORED TO RESIST THE FORCES PRESCRIBED BY CBC 1617A.1.18 AND ANCHORAGE SHALL BE APPROVED BY THE STRUCTURAL ENGINEER OF RECORD AND HCAI AS PART OF FIELD REVIEWS/INSPECTIONS. THE INSPECTOR OF RECORD SHALL ASSURE THAT THE ABOVE REQUIREMENTS ARE ENFORCED.

D. ALL PIPES, DUCTS AND CONDUITS SHALL BE SUPPORTED AND BRACED PER HCAI ANCHORAGE PRE-APPROVAL NO. OPM-0043-13, "MASON INDUSTRIES, INC. SEISMIC RESTRAINT COMPONENTS FOR SUSPENDED UTILITIES". FIRE PROTECTION SYSTEMS MAY ALTERNATIVELY BE SUPPORTED AND BRACED PER HCAI ANCHORAGE PRE-APPROVAL NO. OPM-0052-13, "B-LINE/TOLCO SEISMIC BRACING AND SUPPORT SYSTEMS".

E. SPACING AND DETAILS OF THE SUPPORT AND BRACING OF FIRE SPRINKLER PIPING SHALL COMPLY WITH HCAI'S CURRENTLY ADOPTED EDITION OF NFPA 13 AS MODIFIED BY THE 2022 CBC SECTION 1616A AND SFM AMENDMENTS, "INSTALLATION OF SPRINKLER SYSTEMS" WHERE APPLICABLE, DETAILS FOR SUPPORT AND BRACING OF SPRINKLER SYSTEMS MAY COMPLY WITH HCAI PRE-APPROVED ANCHORAGE SYSTEMS.

F. ENERGY COMPLIANCE: THE FOLLOWING SECTIONS OF THE CALIFORNIA ENERGY CODE CCR TITLE 24, PART 6 SHALL BE FOLLOWED FOR THIS CONSTRUCTION.
1. DEVICES (SECTION 100(G)): THE USE OF MANUFACTURED DEVICES IS LIMITED TO DEVICES CERTIFIED BY THE MANUFACTURER TO MEET OR EXCEED THE MINIMUM SPECIFICATIONS OR EFFICIENCIES ADOPTED BY THE CALIFORNIA ENERGY COMMISSION.
2. CONSTRUCTION (SECTION 101): COMPLY WITH THE DEFINITIONS AND RULES OF CONSTRUCTION.
3. INSULATION (SECTION 118): THE USE OF INSULATING MATERIALS IS LIMITED TO ONLY THOSE THAT HAVE BEEN CERTIFIED BY THE MANUFACTURER TO COMPLY WITH THE CALIFORNIA QUALITY STANDARDS OF INSULATING MATERIAL, TITLE 20, CHAPTER 4, ARTICLE 3. ALL INSULATING MATERIALS SHALL COMPLY WITH THE FLAME SPREAD RATING AND SMOKE DENSITY LIMITATIONS OF THE CBC. INSTALLATION AND R-VALUES FOR INSULATING MATERIALS SHALL BE IN COMPLIANCE WITH SECTION 118.

G. THE AUTOMATIC FIRE SPRINKLER SYSTEM SHALL CONFORM TO THE REQUIREMENTS OF HCAI'S CURRENTLY ADOPTED EDITION OF NFPA 13 AS MODIFIED BY THE 2022 CBC AND SFM AMENDMENTS. INSTALLATION OF THE FIRE SPRINKLER SYSTEM SHALL NOT BE STARTED UNTIL COMPLETE PLANS AND SPECIFICATIONS (INCLUDING WATER SUPPLY INFORMATION) HAVE BEEN APPROVED BY HCAI. AT VARIOUS STAGES AND UPON COMPLETION THE SYSTEM SHALL BE TESTED IN THE PRESENCE OF THE ENFORCING AGENCY.

H. ALL EQUIPMENT SHALL BE LISTED, LABELED OR CERTIFIED BY A NATIONALLY RECOGNIZED TESTING LABORATORY, INCLUDING X-RAY AND DIAGNOSTIC EQUIPMENT.

I. OUTLET BOXES IN FIRE RATED WALLS AND PARTITIONS SHALL BE SEPARATED HORIZONTALLY A MINIMUM OF 24 INCHES PER CBC 714.4.2.1.1.

J. THE FIRE ALARM SYSTEM SHALL CONFORM TO ARTICLE 760 OF THE CALIFORNIA ELECTRIC CODE AND SECTION 907 OF THE 2022 CALIFORNIA FIRE CODE.

K. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING AGENCY.

L. PENETRATIONS OF PIPES, CONDUITS, ETC. IN RATED ASSEMBLIES SHALL BE FIRE-STOPPED. FIRE-STOPPING SHALL BE AN APPROVED MATERIAL AS PRESCRIBED BY THE STATE FIRE MARSHALL STANDARDS PROTECTION DETAILS OF THRU-PENETRATIONS THROUGH FIRE RATED PARTITIONS SHALL BE UL/WH LISTED AND COMPLY WITH CBC, SECTION 714. PROTECTION DETAILS OF MEMBRANE PENETRATIONS THROUGH FIRE PARTITIONS SHALL COMPLY WITH CBC SECTION 714.4.2

M. COORDINATE ALL PROJECT PHASING WITH OWNER OR AS SPECIFIED AND/OR SHOWN ON THE DRAWINGS.

N. PROVIDE A SAFE MEANS OF EGRESS THROUGH AND/OR AROUND THE BUILDING AND SITE PER APPLICABLE CODES AT ALL TIMES DURING THE CONSTRUCTION PROCESS. MINIMIZE DISRUPTION TO ADJACENT AREAS/FLOORS AS MUCH AS POSSIBLE.

O. MINIMIZE NOISE TO A LEVEL ACCEPTABLE TO THE OWNER. SCHEDULE TASKS CREATING EXCESSIVE NOISE OR NEAR SENSITIVE AREAS WITH THE OWNER.

P. PROVIDE DUST CONTROL BETWEEN CONSTRUCTION AREAS AND OCCUPIED AREAS AT ALL TIMES AS SPECIFIED.

Q. NOTIFY ARCHITECT PROMPTLY IF INFORMATION SHOWN IN ONE CONSTRUCTION DOCUMENT CONFLICTS WITH INFORMATION SHOWN ON ANOTHER.

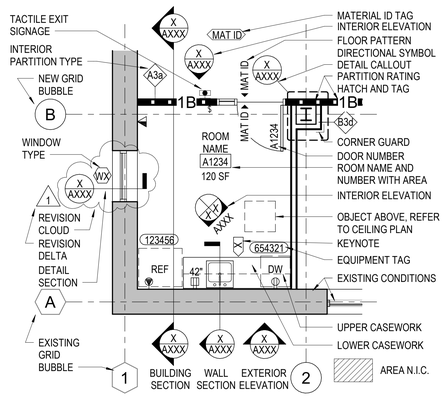
R. NOTIFY ARCHITECT PROMPTLY IF CONSTRUCTION DOCUMENTS ARE INCONSISTENT WITH THE CURRENT APPLICABLE CODES AND REGULATIONS.

S. NOTIFY ARCHITECT PROMPTLY IF ANY EXISTING CONDITIONS CONFLICT WITH THE CONSTRUCTION DOCUMENTS.

T. STRUCTURAL STEEL MEMBER PROFILES AS INDICATED ON ARCHITECTURAL DRAWINGS MAY VARY FROM ACTUAL PROFILES AND SIZES INDICATED ON THE STRUCTURAL DRAWINGS WHICH SHALL GOVERN.

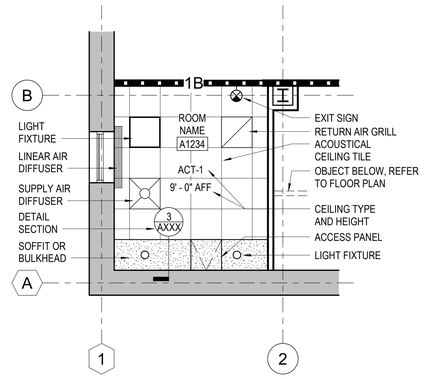
U. COORDINATE EXACT LOCATIONS OF LIGHT FIXTURES SPEAKERS, SMOKE DETECTORS, EXIT LIGHTS, ACCESS PANELS, SPRINKLER HEADS, HVAC DUCTS, DIFFUSERS, REGISTERS, AND OTHER SUCH CEILING ITEMS WITH MECHANICAL, ELECTRICAL AND OTHER TRADES. NOTIFY ARCHITECT PROMPTLY IF ANY LOCATIONS CONFLICT WITH ARCHITECTURAL REFLECTED CEILING PLANS.

V. REFER TO ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR FLOOR, WALL, AND CEILING OPENINGS. ALL OPENINGS SHALL BE CUT AND PATCHED AS REQUIRED BY EACH DISCIPLINE OR TRADE REQUIRING THE OPENING UNLESS NOTED OTHERWISE IN THE CONSTRUCTION DOCUMENTS. PATCHING IS TO BE IN CONFORMANCE WITH APPLICABLE CODES.



OTHER FLOOR PLAN SYMBOL DESIGNATIONS	
EXISTING DOOR TO REMAIN	EXISTING DOOR TO DEMO
EXISTING WALL TO REMAIN	EXISTING WALL TO DEMO
NEW WALL	TEMPORARY BARRIER
NEW RATED WALL	

1 SYMBOL DESIGNATIONS - FLOOR PLAN (REFERENCE)
1/4" = 1'-0"



OTHER CEILING PLAN SYMBOL DESIGNATIONS	
RECESSED DOWNLIGHT	TV CONNECTION (SEE ELECTRICAL DRAWINGS)
RECESSED WALL WASHER	HORN (SEE ELECTRICAL DRAWINGS)
PENDANT MOUNTED LIGHT FIXTURE	TRACK LIGHT FIXTURE (SEE ELECTRICAL DRAWINGS)
CEILING-MOUNTED EXIT LIGHT (SEE ELECTRICAL DRAWINGS)	EQUIPMENT MOUNTING TRACKS
WALL-MOUNTED EXIT LIGHT (SEE ELECTRICAL DRAWINGS)	SPRINKLER HEAD
SMOKE DETECTOR (SEE ELECTRICAL DRAWINGS)	SPEAKER (SEE ELECTRICAL DRAWINGS)

2 SYMBOL DESIGNATIONS - CEILING PLAN (REFERENCE)
1/4" = 1'-0"

SHEET NUMBER EXPLANATION

1. ARCHITECTURAL
THIS CHARACTER DENOTES THE SHEET IS AN ARCHITECTURAL DRAWING.

2. SHEET TYPE
THIS CHARACTER DENOTES THE TYPE OF INFORMATION ON THE SHEET

1. DEMOLITION PLANS
2. FLOOR PLANS
3. CEILING PLANS
4. EXTERIOR DETAILING
5. VERTICAL CIRCULATION
6. INTERIOR DETAILING
7. SCHEDULES
8. LAB (IF USED)
9. SHEET SPECIFICATIONS (IF USED)

3. PLAN TYPE
THESE CHARACTERS DENOTE THE SUB CATEGORY OF THE SHEET TYPE

4. FLOOR NUMBER
THESE CHARACTERS DENOTE THE FLOOR SHOWN ON THE SHEET

5. PLAN AREA
THESE CHARACTERS DENOTE THE AREA PLAN SHOWN ON THE SHEET (IF USED)

SHEET NUMBER EXAMPLE **A234B**
1. DISCIPLINE DESIGNATION
2. SHEET TYPE
3. PLAN TYPE
4. FLOOR NUMBER
5. PLAN AREA

3 ARCHITECTURAL SHEET NUMBER DESIGNATIONS

ACOUSTIC TILE	METAL
ASPHALT CONCRETE	PLASTER OR GYPSUM BOARD
BLANKET INSULATION	QUARRY TILE
CARPET (LARGE SCALE)	RIGID INSULATION
CERAMIC TILE	STONE
CONCRETE	SOLID WOOD FINISHED
CONCRETE MASONRY UNIT	TERRAZZO
EARTH	WOOD BLOCKING - CONTINUOUS
EXISTING CONSTRUCTION	WOOD BLOCKING - INTERRUPTED
FACEBRICK	WOOD SHEATHING
GRANULAR MATERIAL	
GASKET (LARGE SCALE)	

4 ARCHITECTURAL MATERIAL DESIGNATIONS

HGA
222 Sutter Street, Suite 500
San Francisco, California 94108
Telephone 415.814.6910

STRUCTURAL ENGINEER
BUEHLER ENGINEERING
180 MONTGOMERY STREET, SUITE 1500,
SAN FRANCISCO, CA 94104.
415.495.1635

MECHANICAL/PLUMBING ENGINEER
GLUMAC
100 MONTGOMERY STREET, SUITE 2050,
SAN FRANCISCO, CA 94104
415.398.7667

ELECTRICAL ENGINEER
INT-ELECT ENGINEERING
1487 FINCH LANE, GILROY, CA 95020
408.846.7171

INTERIOR DESIGNER
GALLUN SNOW
1900 GRANT STREET, SUITE 750,
DENVER, CO. 80203
303.433.9500

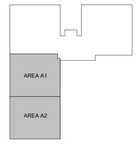
Natividad MEDICAL CENTER

NATIVIDAD MEDICAL CENTER

MEDICAL SURGERY DEPARTMENT LEVEL 3

1441 CONSTITUTION BOULEVARD
SALINAS, CA 93906

HCAI RECORD NUMBER: S240593-27-00
HCAI FACILITY ID: 17353



KEYPLAN

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
4/9/2025, 1:05:36 PM
S240593-27-00
Russell Rocker
HCAI APPROVAL

LICENSED ARCHITECT ANNA R. KEMPF C-39256 JUNE 30, 2025 RENEWAL DATE STATE OF CALIFORNIA

AGENCY APPROVAL

NO	DESCRIPTION	DATE
BC1	BACKCHECK#1	12/13/2024

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

GENERAL NOTES AND SYMBOLS

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

A010

CONSTRUCTION DOCUMENT

12/16/2024 7:50:12 PM Autodesk Docs://Natividad Med Surg 3 Unit - 3707-016/3707-016-03.rvt Natividad Med Surg 3 Unit - 3707-016-03.rvt Author

MATERIAL ID - OVERALL

SECTION	MATERIAL ID	DESCRIPTION
WOOD BLOCKING		
061000	WD BLKG-1	Wood Blocking
CABINETWORK HARDWARE		
064000	HDWR-1	See Specifications for Hardware Types & Finishes, [client to confirm specific pull, hinges, and/or lock types]
CASEWORK ACCESSORIES		
064000	CWKA-21	Cable grommet
064000	CWKA-24	Chair/walker hook, model number TBC
064000	CWKA-1	Exposed bracket
064000	CWKA-2	Concealed bracket
064000	CWKA-3	Heavy-duty bracket
064000	CWKA-11	Adjustable brackets & standards
PLASTIC LAMINATES		
064000	PL-1	See sheet I-010
064000	PL-2	See sheet I-010
SOLID SURFACING		
064000	SS-1	See sheet I-010
WOOD		
064000	WD-1	Flush Wood Doors, match PL-1
FIRESTOPPING		
078100	FP-1	SFRM, normal-density
FIRESTOPPING (Joint)		
078443	FRJS-1	Head of Wall
PREFORMED JOINT SEALS		
079100	PFJS-1	Precompressed foam gasket
079100	PFJS-2	Precompressed foam gasket
SEALANT		
079200	SLNT-1	See Specification for Sealant Schedule
082000	SDA-1	Automatic sliding barn door, single leaf
GLASS		
088100	GL-1T	1/4" clear fully-tempered annealed glass
GLASS SURFACE FILM		
088700	WF-1	Llumar Matte Frost Series. Glacier NRM55 PS4
CONCRETE SURFACE TREATMENTS		
091330	CST-1	30% Type (typical
METAL FURRING (Non-Structural)		
092200	MET FURG-1	Hat channels
092200	MET FURG-2	Z-furring
METAL STUD FRAMING (Non-Structural)		
092200	MET STUD-1	Steel stud; C-shaped, galvanized
092200	MET STUD-2	Steel shaft wall stud, C-T shaped, galvanized
GYPSUM BOARD		
092900	GYP BD-1	5/8" fire-rated type X
092900	GYP BD-21	1" Shaft Liner
092900	GYP BD-25	5/8" fire-rated type X tile backer
092900	GYP BD-38	5/8" abuse-resistant & mold-resistant
INSULATION		
092900	INSUL-40	Unfaced fiberglass batt
CERAMIC TILE - ACCESSORIES		
093000	CTA-1	Schluter DILEX-AHK; Finish: Stainless Steel. [Toilet Tile Floor to Wall Cove Transition]
093000	CTA-2	Schluter Systems, SCHIENE; Finish: Stainless Steel. [Edge Trim]
093000	CTA-3	Schluter Systems, QUADEC; Finish: Stainless Steel. To be used at all outside corners where CTW occurs. [CTW edge trim]
093000	CTA-4	Schluter RENO-U; Finish: Stainless Steel. [ADA Floor Transition]
093000	CTA-5	Schluter RENO-U (AU100AT) 3/8", Finish: Stainless Steel. [ADA Floor Transition]
CERAMIC TILE - BASE		
093000	CTB-1	See sheet I-010
CERAMIC TILE - WALL		
093000	CTW-1	See sheet I-010
LINER BAR		
093000	LB-1	See sheet I-010
THRESHOLD		
093000	TS-2	See sheet I-010
CERAMIC TILE - FLOOR		
093013	CTF-1	See sheet I-010
ACOUSTIC CEILING TRIM		
095100	ACTR-1	Perimeter trim
SUSPENDED ACOUSTICAL TILE		
095100	SAT-1	See sheet I-010
FLOOR TRANSITIONS		
096001	FTRS-1	Transition Strips
INTEGRAL BASE		
096500	IB-6	See sheet I-010
RESILIENT BASE		
096500	RB-1	See sheet I-010
RESILIENT FLOORING		
096500	RF-5	See sheet I-010
096500	RF-9	See sheet I-010
096500	RF-10	See sheet I-010
EPOXY - PAINT		
099000	EP-1	See sheet I-010
099000	EP-20	See sheet I-010
PAINT		
099000	P-1	See sheet I-010
099000	P-12	See sheet I-010
099000	P-13	See sheet I-010
099000	P-20	See sheet I-010
SEMI-GLOSS - PAINT		
099000	SP-1	See sheet I-010
CUBICLE CURTAIN		
102123	CC-1	See sheet I-010
CORNER GUARD		
102600	CG-1	See sheet I-010
102600	CG-2	See sheet I-010
HANDRAIL		
102600	HR-1	See sheet I-010
WALL GAUARD - SHEET		
102600	WGS-1	Acrovyn Sheet PVC Free, Suede Finish, 4'x8' sheet
WALL PROTECTION		
102600	WP-1	See sheet I-010
102600	WP-2	See sheet I-010
102600	WP-3	See sheet I-010
WALL PROTECTION GROUP		
102600	WPG-1	See sheet I-010
COAT HOOK		
102813	CH-2	Safco 4200 [2 Hook Coat Rack]
GLOVE DISPENSER		
102813	GLD-1	Surface-mounted

MATERIAL ID - OVERALL

SECTION	MATERIAL ID	DESCRIPTION
GRAB BARS		
102813	GB-1	Bobrick Series B-6806, 1-1/2 inch diameter with concealed mounting, with 1/8 inch thick stainless steel plate (CFCI). See drawings for configurations.
HAND SANITIZER DISPENSER		
102813	HSD-1	Hand Sanitizer Dispenser
HEALTHCARE WASTE RECEPTACLES		
102813	HCWR-2	Surface-mounted, plastic
MIRROR (Framed)		
102813	MIR-1	Bobrick B-290 2436 [No Shelf, Stainless Steel, 24"x36"]
102813	MIR-2	Bobrick B-290 2472 [No Shelf, Stainless Steel, 24"x72"]
PAPER TOWEL DISPENSER		
102813	PTD-1	GP Pro enMotion Wall Mounted Automated Touchless Towel Dispenser. Color: Splash Blue. Dim: 14.8" x 9.75" x 16.75" Alternative, GP Pro Compact Side by Side Double Roll Bathroom Tissue Dispenser. Color: Splash Blue. Dim: 10.12" x 6.75" x 7.12"
SHOWER CURTAIN		
102813	SC-1	On The Right Track Systems, Inc. Mystery White 71"x74" non PVC Shower Curtain
102813	SHCR-1	BoBrick 6047, extra heavy duty
SHOWER SEAT		
102813	SHFS-1	Bobrick B-5193 Solid Phenolic folding Shower folding seat (ADA Accessible)
102813	SHPN-1	Molded, one piece gelcoat/fiberglass construction 63"x31.5", white. Provide SHC-1, SHCR-1 at each instance
SOAP DISPENSER		
102813	SDISP-1	Nexa Compact Manual Dispenser 750 mL. Color: Black 9202-3020 or White 9202-300 or Ecolab Foam Dispenser 92723188. Dim: 7.38"D x 4.99"W x 11.125"G
TOILET PAPER HOLDER		
102813	TPH-5	Combo: Double roll, santitary napkin disposal, seat cover dispensor, BOD: Bobrick Model# B-35715
TOWEL BAR		
102813	TB-2	Towel Bar. Bobrick Model# B-6806 [surface-mounted, 18"]
UTILITY SHELF		
102813	US-1	Utility Shelf. Bobrick Model# B-295/6/8 stainless steel [surface-mounted, 18"]
WASTE RECEPTACLE		
102813	WAST-1	Waste Receptacle. Bobrick Model# B-3644
LOCKERS		
105113	LKR-1	ASI Traditional Collection Five Tiers Metal Locker, 4" Zee Base, Sloped Tops [Color TBD, see drawings for accessible locker locations]
AUDIO-VISUAL EQUIPMENT		
115200	AV EQ-1	Wall bracket for monitor

HGA

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MECHANICAL/PLUMBING ENGINEER
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1441 CONSTITUTION BOULEVARD
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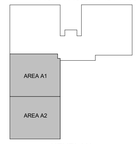
HCAI RECORD NUMBER:
S240593-27-00
HCAI FACILITY ID: 17353



KEYPLAN

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
4/9/2025, 1:09:36 PM
S240593-27-00
Russell Rocker

HCAI APPROVAL

LICENSED ARCHITECT
ANNA R. KEMPF
C-39266
JUNE 30, 2025
RENEWAL DATE
STATE OF CALIFORNIA

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

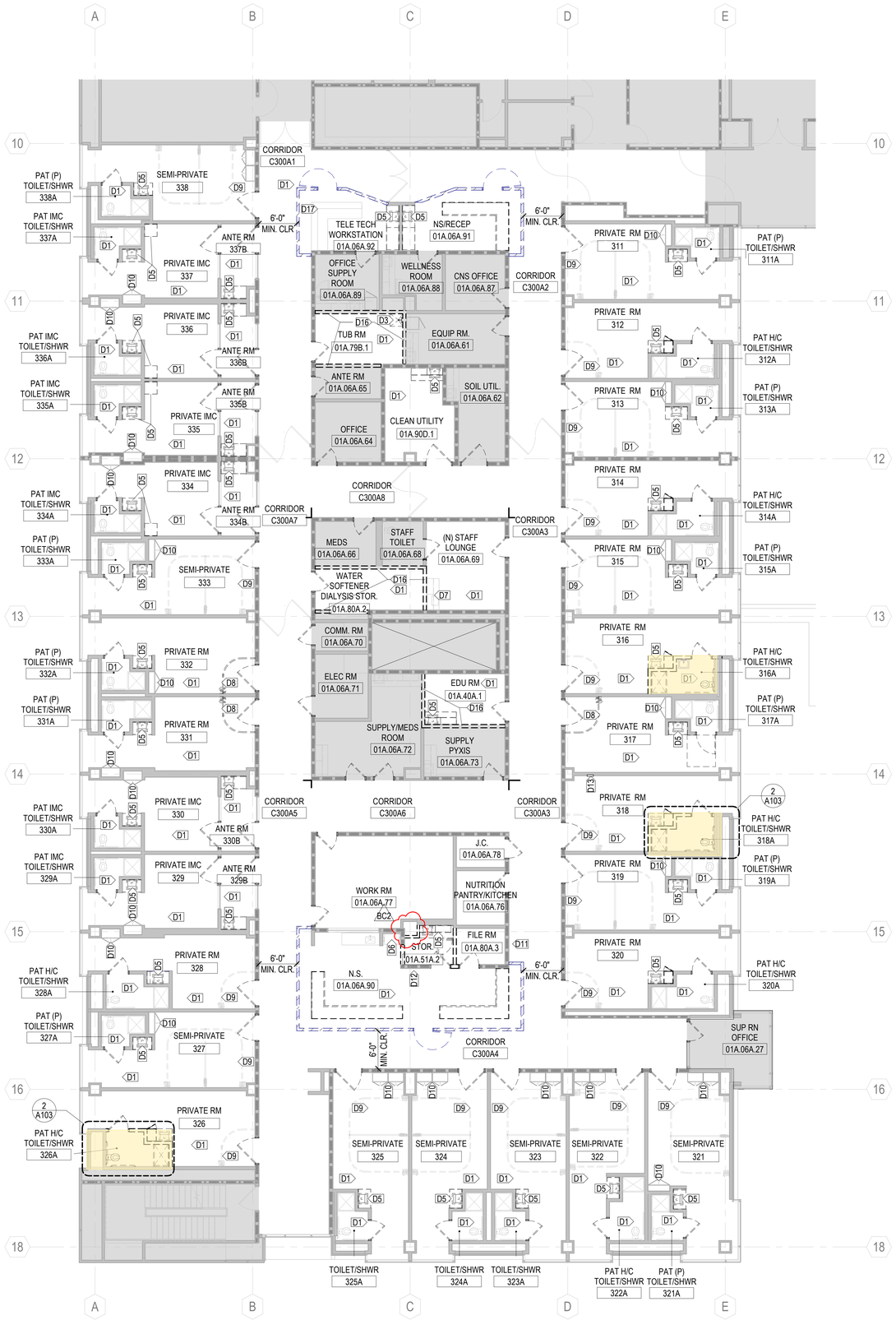
MATERIAL IDENTIFICATION CODES

DATE: APRIL 16, 2024

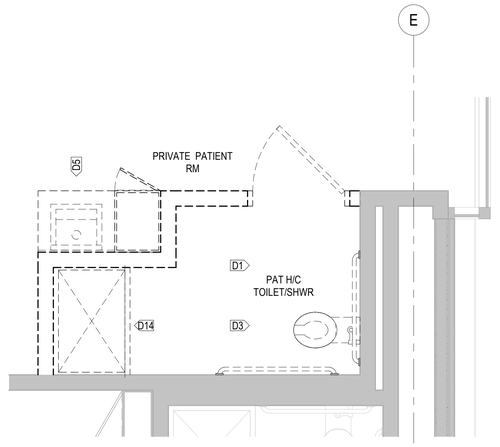
CONSTRUCTION DOCUMENTS

A011

CONSTRUCTION DOCUMENT



1 DEMOLITION PLAN - LEVEL 03
1/8" = 1'-0"



2 DEMOLITION PLAN - LEVEL 03 (ACCESSIBLE TOILET ROOM UPGRADE - TYP.)
1/2" = 1'-0"

GENERAL NOTES - DEMOLITION PLAN

A. COORDINATE EXTENT OF DEMOLITION WITH REQUIREMENTS FOR NEW WORK.
B. REMOVE EXISTING CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, FLOOR FINISHES, WALLS, CEILINGS, WALL BASE, AND OTHER EXISTING CONSTRUCTION AS INDICATED OR REQUIRED FOR NEW WORK, UNLESS NOTED OTHERWISE.
C. REMOVE WALLS INCLUDING WALL MATERIALS INCLUDING INTEGRAL BASES, DOORS, DOOR FRAMES AND ASSOCIATED HARDWARE AND THRESHOLDS, UNLESS OTHERWISE INDICATED.
D. REMOVE PARTITIONS COMPLETELY TO UNDERSIDE OF STRUCTURAL COMPONENTS ABOVE AND TO TOP OF FLOOR STRUCTURAL COMPONENTS AT BASE. DO NOT LEAVE SECTIONS OR MATERIALS OF WALL ASSEMBLIES IN PLACE.
E. AT SIDES OF WALLS, THAT ABUT WALLS TO REMAIN, CUT BACK AT LEAST 1 INCH (25 MM) BEYOND FACE OF FINISH OF WALL TO REMAIN TO FACILITATE SUBSEQUENT PATCHING AND NEW CONSTRUCTION.
F. COMPLETELY REMOVE FINISHES, SUBBASE MATERIALS AND STRUCTURAL FRAMING MATERIALS TO LINES INDICATED OR REQUIRED FOR NEW WORK.
G. EXISTING ITEMS TO BE SALVAGED FOR REUSE IN NEW WORK:
   A. ARTWORK, SIGNAGE, WALL-MOUNTED ACCESSORIESDV
H. EXISTING UTILITY SERVICES AND MECHANICAL/ELECTRICAL SYSTEMS ARE TO REMAIN, UNLESS INDICATED OTHERWISE.
I. RELOCATE EXISTING WORK SERVING OCCUPIED PORTIONS OF THE BUILDING AS REQUIRED TO MAINTAIN SERVICE TO OCCUPIED AREAS AND TO ACCOMMODATE NEW WORK.
J. REMOVE AND CAP PORTIONS OF EXISTING UTILITIES INDICATED TO BE DEMOLISHED AS REQUIRED TO ACCOMMODATE NEW WORK, INCLUDING SURFACE-MOUNTED ELECTRICAL CONDUIT, DEVICES AND LIGHT FIXTURES; RADIATORS, RADIATOR COVERS; PLUMBING FIXTURES AND ASSOCIATED PIPING.
K. REMOVE CEILINGS INDICATED TO BE DEMOLISHED INCLUDING INTEGRAL HANGERS, SUPPORTS, ANCHORS AND MATERIALS OR ASSEMBLIES ATTACHED TO CEILING CONSTRUCTION.
L. REMOVE SUSPENDED CEILINGS TO UNDERSIDE OF STRUCTURE OR ORIGINAL PLASTER OR GYPSUM BOARD CEILING SURFACES.
M. MAINTAIN EGRESS FROM EXISTING OCCUPIED SPACES AND SURROUNDING BUILDING AREAS AS INDICATED AND AS REQUIRED BY AUTHORITIES HAVING JURISDICTION.MAINTAIN EGRESS FROM EXISTING OCCUPIED SPACES AND SURROUNDING BUILDING AREAS AS INDICATED AND AS REQUIRED BY AUTHORITIES HAVING JURISDICTION.
N. PROVIDE AND MAINTAIN FIRE EXTINGUISHERS IN AREA OF WORK, IN ACCORDANCE WITH REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION.
O. COORDINATE UTILITY INTERRUPTIONS WITH OWNER. PROVIDE AT LEAST 48 HOURS WRITTEN NOTICE TO OWNER BEFORE UTILITY INTERRUPTIONS OBTAIN OWNER'S WRITTEN APPROVAL OF INTERRUPTIONS BEFORE PROCEEDING.
P. COORDINATE OPERATIONS THAT MAY RESULT IN HIGH LEVELS OF NOISE AND VIBRATION, ODORS, OR OTHER DISRUPTIONS TO OCCUPANCY WITH OWNER. OBTAIN OWNER'S WRITTEN PERMISSION BEFORE PROCEEDING.
Q. PROVIDE TEMPORARY BARRIERS AND ENCLOSURES AS REQUIRED TO PROTECT MATERIALS AND PEOPLE. PREVENT DUST, FUMES, AND ODORS FROM ENTERING OCCUPIED AREAS. MAINTAIN AND RELOCATE TEMPORARY BARRIERS AND ENLOSURES AS REQUIRED BY THE PROGRESS OF THE WORK. REMOVE TEMPORARY BARRIERS AND ENCLOSURES AT COMPLETION OF WORK.
R. PRIOR TO STARTING DEMOLITION, VERIFY EXISTING CONDITIONS AND DIMENSIONS. COORDINATE EXTENT OF DEMOLITION WORK AND EXISTING CONSTRUCTION TO REMAIN WITH NEW WORK. NOTIFY ARCHITECT OF CONFLICTS OR DISCREPANCIES.
S. REFER TO DISCPLINE-SPECIFIC DRAWINGS FOR RELATED FIRE SUPPRESSION, PLUMBING, HEATING VENTILATION AND AIR CONDITIONING, ELECTRICAL, COMMUNICATIONS, AND ELECTRONIC SAFETY AND SECURITY SYSTEM DEMOLITION WORK.

DEMOLITION PLAN LEGEND

SEE A010 FOR ALL GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS

	(E) CONSTRUCTION TO REMAIN	
1	(E) ONE HOUR RATED	
	(E) CONSTRUCTION TO BE REMOVED	
	1-HR. RATED CONSTRUCTION BARRIER	
	*AREA NOT IN SCOPE	

*NOTE: HATCH IS DIAGRAMMATIC IN NATURE & IS TO BE COMPARED TO THE SET IN ITS ENTIRETY FOR A COMPREHENSIVE UNDERSTANDING OF THE SCOPE

TYPE OF ASSEMBLY

W	FIRE WALL	S	SMOKE BARRIER
B	FIRE BARRIER	SP	SMOKE PARTITIONS
P	FIRE PARTITION	ST	RESIST PASSAGE OF SMOKE
E	EXISTING AND RATED		

DOOR TO BE DEMOLISHED

DOOR WORK PROCEDURE

A. REMOVE DOOR WHEN ALL OTHER WORK IS COMPLETED & SIGNED-OFF
B. THE REMOVAL & INSTALLATION OF 20-MIN. CORRIDOR DOORS SHALL OCCUR IN ONE-DAY SHIFT AT A TIME & CAN BE GROUPED UP TO (4) PATIENT ROOMS. PATIENT ROOMS SHALL BE VACANT FOR THE DOOR INSTALLATION TO OCCUR

KEYNOTES

#	DESCRIPTION
D1	REMOVE EXISTING FLOOR FINISH, WALL FINISH, WALL BASEBOARD AND PREPARE SUBSTRATE TO RECEIVE FINISH
D3	REMOVE EXISTING PLUMBING FIXTURES; CAP LINES IN WALL
D5	REMOVE EXISTING SINK AND BUILT-IN CASEWORK
D6	EXISTING PNEUMATIC TUBE STATION TO REMAIN
D7	EXISTING SINK AND BUILT-IN CASEWORK TO REMAIN
D8	REMOVE EXISTING CURTAIN TRACK
D9	EXISTING CURTAIN TRACK TO REMAIN
D10	EXISTING CASEWORK TO REMAIN
D11	EXISTING OXYGEN TO REMAIN
D12	EXISTING NURSE CALL TO REMAIN
D13	DEMO EXISTING DIALYSIS BOX, TYP. WHERE FOUNDED
D14	6" CORE OPENING AT (E) FLOOR FOR SHOWER PAN DRAIN. CONTRACTOR TO CONFIRM OPENING, SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION
D16	DO NOT DEMO WALLS. WALLS TO BE UPGRADED TO 1HR-FIRE BARRIER PER C/A600
D17	EXISTING FURNITURE SYSTEMS TO REMAIN

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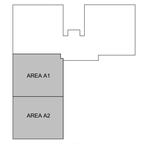

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AGENCY APPROVAL

△NO	DESCRIPTION	DATE
BC1	BACKCHECK#1	12/13/2024
BC2	BACKCHECK#2	03/14/2025

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

DEMOLITION PLAN - LEVEL 03

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

A103

CONSTRUCTION DOCUMENT

Author
3/6/2025 4:01:29 PM
Autodesk Docs://Natividad Med Surg 3 Unit...3707-016-00 Natividad Med Surg 3 Unit...3707-016-00.rvt

1 DEMOLITION REFLECTED CEILING PLAN - LEVEL 03
1/8" = 1'-0"

GENERAL NOTES - CEILING PLAN

A. CEILING HEIGHTS ARE DIMENSIONED FROM FLOOR DATUM ELEVATION TO FINISHED CEILING, UNLESS OTHERWISE NOTED.
B. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION RELATIVE TO DEVICE AND FIXTURE LOCATIONS.
C. COORDINATE INTEGRATION OF CEILING SYSTEMS WORK INCLUDING, BUT NOT LIMITED TO, MECHANICAL, ELECTRICAL, SPRINKLER AND FIRE PROTECTION, TELECOMMUNICATIONS, AND STRUCTURAL SYSTEMS, TO MAINTAIN CEILING HEIGHT INDICATED. NOTIFY ARCHITECT OF CONFLICTS PRIOR TO PROCEEDING WITH THE WORK.
D. LOCATE COMPONENTS WITHIN CEILING PLENUM TO MAXIMIZE CLEAR AREA FOR INSTALLATION OF LIGHT FIXTURES AND ACCOMMODATE FIXTURE LAYOUT AS INDICATED.
E. WHERE DOORS WITH HOLD-OPEN DEVICES ARE REQUIRED, PROVIDE SMOKE DETECTOR WITHIN 5 FEET OF OPENING ON BOTH SIDES OF DOORWAY. VERIFY LOCATION OF SMOKE DETECTORS WITH ARCHITECT PRIOR TO INSTALLATION.
F. PROVIDE ACCESS PANELS AT GYPSUM BOARD CEILINGS AND WHERE ACCESS IS REQUIRED FOR ITEMS OF MECHANICAL, PLUMBING AND ELECTRICAL WORK LOCATED BEHIND OR ABOVE FINISHED WALLS OR CEILINGS WHICH REQUIRE ACCESS, WHETHER OR NOT SUCH PANELS ARE INDICATED ON DRAWINGS. VERIFY LOCATION OF ACCESS PANELS WITH ARCHITECT PRIOR TO INSTALLATION.
G. REVIEW LOCATION OF LIFE-SAFETY DEVICES AND/OR EQUIPMENT NOT SHOWN ON THE DRAWINGS WITH ARCHITECT PRIOR TO INSTALLATION.
H. COORDINATE ABOVE CEILING DRAFTSTOP LOCATIONS IN ACCORDANCE WITH REQUIREMENTS OF APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION.
I. ACOUSTICAL CEILING GRID AND LIGHTING SHALL BE CENTERED IN ROOM(S) UNLESS NOTED OTHERWISE.
J. CENTER RECESSED LIGHTS, ELECTRICAL, MECHANICAL DEVICES AND SPRINKLER HEADS WHEN SHOWN IN CEILING TILES. WHERE RECESSED LIGHTS ARE SHOWN OFF-CENTER IN 2X4 SCORED CEILING TILE, CENTER THE FIXTURE WITHIN THE 2X2 PORTION OF THE TILE.
K. CEILING FINISHES ADJACENT TO OR WITHIN THE LIMITS OF CONSTRUCTION DISTURBED OR DAMAGED BY CONSTRUCTION SHALL BE PATCHED TO MATCH EXISTING ADJACENT CEILING FINISH.

DEMOLITION RCP LEGEND

SEE A010 FOR ALL GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS

- DEMOLISHED GYPSUM BOARD CEILING
- DEMOLISHED ACOUSTIC CEILING TILE
- 2X4 LIGHT FIXTURE
- 2X2 LIGHT FIXTURE
- RECESSED LIGHT
- CURTAIN TRACK

KEYNOTES

#	DESCRIPTION

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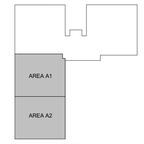

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STATE OF CALIFORNIA

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ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

DEMOLITION REFLECTED CEILING PLAN - LEVEL 03

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

A123

CONSTRUCTION DOCUMENT

Author 4/29/2024 9:03:59 AM Autodesk Docs://Natividad Med Surg 3 Unit - 3707-016-00/429- Natividad Med Surg 3 Unit - 3707-016-00.rvt

1 OVERALL FLOOR PLAN - LEVEL 03
3/32" = 1'-0"

GENERAL NOTES - FLOOR PLAN

A. ALL INTERIOR PARTITIONS SHALL BE **"A3_"** UNLESS NOTED OTHERWISE.
B. PLAN DIMENSIONS ARE FROM FACE OF PARTITION TYPE AND DO NOT INCLUDE APPLIED FINISHES, UNLESS NOTED OTHERWISE. PLAN DIMENSIONS INDICATED AS "HOLD" OR "CLEAR" DIMENSIONS ARE FROM FACE OF APPLIED FINISH.
C. INSTALL WORK STRAIGHT, PLUMB, LEVEL, SQUARE, AND TRUE, IN PROPER ALIGNMENT.
D. FLATNESS: LEVEL FLOORS TO TRUE PLANE WITHIN 1/4 INCH (6 MM) IN 10'-0" (3 M) WHEN TESTED BY TEN FOOT (3 M) STRAIGHTEDGE PLACED ANYWHERE ON FLOOR IN ANY DIRECTION.
E. BEFORE PROCEEDING WITH PARTITION FRAMING, PROVIDE LAYOUT MARKINGS OF PARTITIONS AND ASSOCIATED IN-WALL ELECTRICAL DEVICES ON SUBFLOOR FOR REVIEW BY ARCHITECT. BEFORE PROCEEDING WITH PARTITION FRAMING, PROVIDE LAYOUT MARKINGS OF PARTITIONS AND ASSOCIATED IN-WALL ELECTRICAL DEVICES ON SUBFLOOR FOR REVIEW BY ARCHITECT.
F. COORDINATE FURNITURE-RELATED ELECTRICAL LAYOUT WITH FURNITURE VENDOR.
G. WHERE HANDRAILS, GRAB BARS, CABINETS, WALL-MOUNTED DOOR STOPS, OR OTHER WALL-HUNG ITEMS ARE ATTACHED TO PARTITIONS, INSTALL BACKER PLATES [OR WOOD BLOCKING] ACCURATELY POSITIONED AND FIRMLY SECURED TO METAL STUDS, WHETHER OR NOT SUCH BACKER PLATES OR BLOCKING ARE INDICATED ON DRAWINGS.
H. WHERE NEW WORK ABUTS, ALIGNS OR ADJOINS EXISITING MATERIALS, MAKE SMOOTH AND EVEN TRANSITION AND ELIMINATE EVIDENCE OF PATCHING AND REFINISHING. FINISH NEW WORK TO MATCH ADJACENT UNDISTURBED SURFACES, UNLESS NOTED OTHERWISE.
I. CLOSE AND PATCH HOLES AND OPENINGS IN EXISTING FLOOR, WALL AND CEILING WHICH EXIST OR RESULT FROM DEMOLITION OR ALTERATION WORK TO MATCH ADJACENT UNDISTURBED SURFACES.
J. PRIOR TO CONCEALMENT OF FIRE RESISTIVE MATERIALS BY OTHER WORK, PATCH AND REPAIR AREAS OF REMOVED OR DAMAGED APPLIED FIREPROOFING. COMPLETE PATCHING AND REPAIR TO MAINTAIN EXISTING FIRE-RESISTANCE DESIGN IN ACCORDANCE WITH FIREPROOFING MANUFACTURER'S WRITTEN INSTRUCTIONS FOR CONDITIONS OF EXPOSURE AND INTENDED USE. COORDINATE TESTING AND INSPECTION OF ASSEMBLIES AS REQUIRED BY AUTHORITIES HAVING JURISDICTION.
K. PROVIDE FIRESTOPPING OF PENETRATIONS AND VOIDS THROUGH FIRE-RATED WALL, FLOOR AND PARTITION ASSEMBLIES [AND ROOF] INCLUDING EMPTY OPENINGS AND OPENINGS CONTAINING CABLES, PIPES, DUCTS, CONDUIT AND OTHER ELEMENTS.
L. AT SOUND-RATED PARTITION WALLS, PROVIDE CONTINUOUS BEAD OF ACOUSTICAL SEALANT AT AT JUNCTURE OF BOTH FACES OF RUNNERS OR PLATES WITH FLOOR AND CEILING CONSTRUCTION, AND WHEREVER GYPSUM BOARD ABUTS DISSIMILAR MATERIALS.
   - AT OPENINGS AND CUTOUTS, FILL OPEN SPACES BETWEEN GYPSUM BOARD AND FIXTURES, CABINETS, DUCTS AND OTHER FLUSH OR PENETRATING ITEMS, WITH CONTINUOUS BEAD OF SEALANT.
   - SEAL SIDES AND BACKS OF ELECTRICAL BOXES TO COMPLETELY CLOSE OFF OPENINGS AND JOINTS.

PATIENT ROOM & BED COUNT

BC2

EXISTING ROOM & BED COUNT

ROOM TYPE	# OF ROOMS	# OF BEDS
PRIVATE	20	20
SEMI-PRIVATE	8	16
TOTAL	**28**	**36**

(ACCESSIBLE ROOMS: 5)

PROPOSED ROOM & BED COUNT

ROOM TYPE	# OF ROOMS	# OF BEDS
PRIVATE	13	13
SEMI-PRIVATE	15	30
TOTAL	**28**	**43**

(ACCESSIBLE ROOMS: 8)

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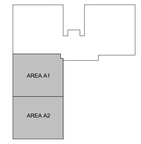

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ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

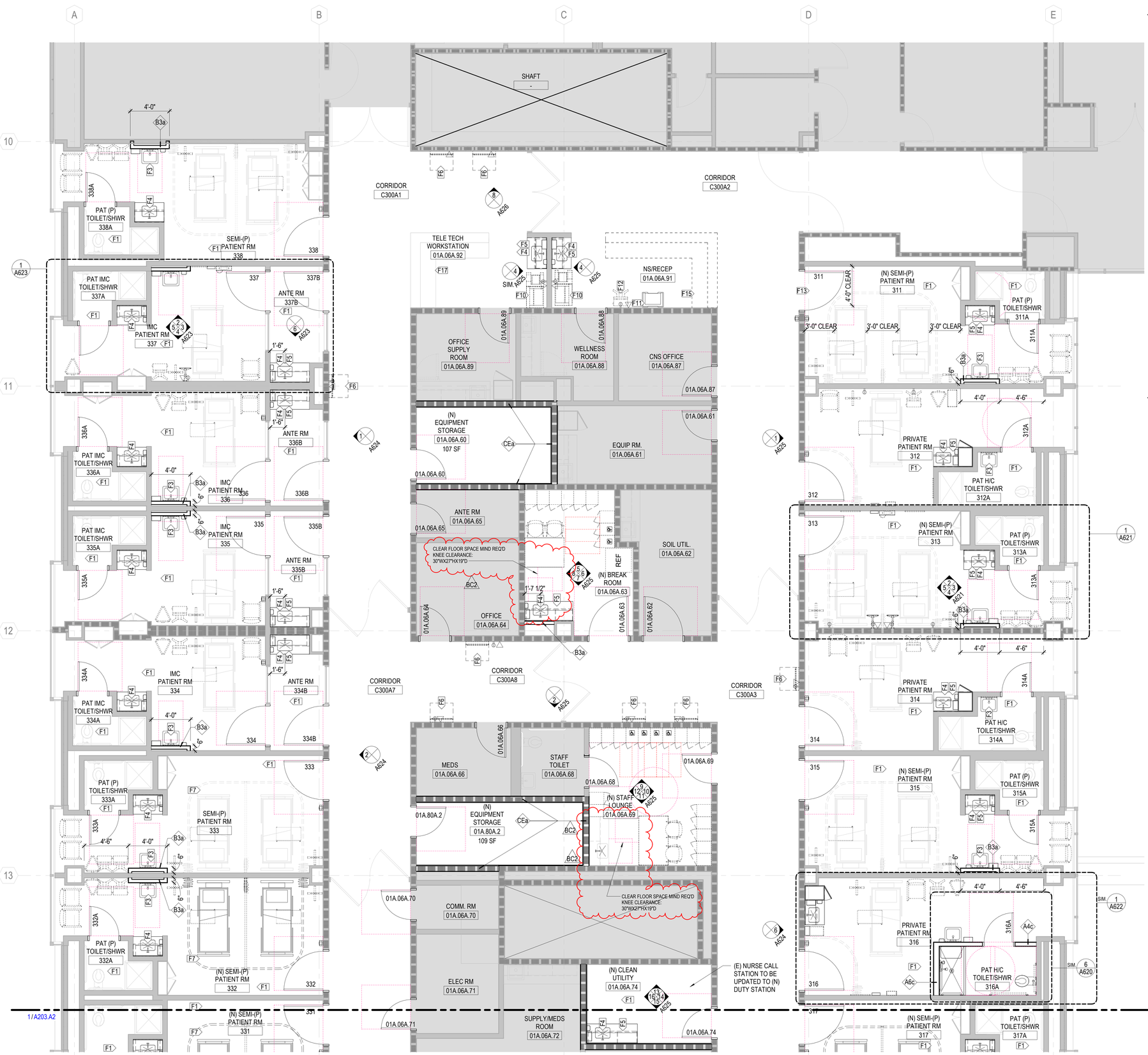
OVERALL FLOOR PLAN - LEVEL 03

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

A203

CONSTRUCTION DOCUMENT



1 ENLARGED FLOOR PLAN - LEVEL 03 AREA A1
1/4" = 1'-0"

GENERAL NOTES - FLOOR PLAN

A. ALL INTERIOR PARTITIONS SHALL BE "A3_" UNLESS NOTED OTHERWISE.
B. PLAN DIMENSIONS ARE FROM FACE OF PARTITION TYPE AND DO NOT INCLUDE APPLIED FINISHES, UNLESS NOTED OTHERWISE. PLAN DIMENSIONS INDICATED AS "HOLD" OR "CLEAR" DIMENSIONS ARE FROM FACE OF APPLIED FINISH.
C. INSTALL WORK STRAIGHT, PLUMB, LEVEL, SQUARE, AND TRUE, IN PROPER ALIGNMENT.
D. FLATNESS: LEVEL FLOORS TO TRUE PLANE WITHIN 1/4 INCH (6 MM) IN 10'-0" (3 M) WHEN TESTED BY TEN FOOT (3 M) STRAIGHTEDGE PLACED ANYWHERE ON FLOOR IN ANY DIRECTION.
E. BEFORE PROCEEDING WITH PARTITION FRAMING, PROVIDE LAYOUT MARKINGS OF PARTITIONS AND ASSOCIATED IN-WALL ELECTRICAL DEVICES ON SUBFLOOR FOR REVIEW BY ARCHITECT. BEFORE PROCEEDING WITH PARTITION FRAMING, PROVIDE LAYOUT MARKINGS OF PARTITIONS AND ASSOCIATED IN-WALL ELECTRICAL DEVICES ON SUBFLOOR FOR REVIEW BY ARCHITECT.
F. COORDINATE FURNITURE-RELATED ELECTRICAL LAYOUT WITH FURNITURE VENDOR.
G. WHERE HANDRAILS, GRAB BARS, CABINETS, WALL-MOUNTED DOOR STOPS, OR OTHER WALL-HUNG ITEMS ARE ATTACHED TO PARTITIONS, INSTALL BACKER PLATES [OR WOOD BLOCKING] ACCURATELY POSITIONED AND FIRMLY SECURED TO METAL STUDS, WHETHER OR NOT SUCH BACKER PLATES OR BLOCKING ARE INDICATED ON DRAWINGS.
H. WHERE NEW WORK ABUTS, ALIGNS OR ADJOINS EXISITING MATERIALS, MAKE SMOOTH AND EVEN TRANSITION AND ELIMINATE EVIDENCE OF PATCHING AND REFINISHING. FINISH NEW WORK TO MATCH ADJACENT UNDISTURBED SURFACES, UNLESS NOTED OTHERWISE.
I. CLOSE AND PATCH HOLES AND OPENINGS IN EXISTING FLOOR, WALL AND CEILING WHICH EXIST OR RESULT FROM DEMOLITION OR ALTERATION WORK TO MATCH ADJACENT UNDISTURBED SURFACES.
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   - SEAL SIDES AND BACKS OF ELECTRICAL BOXES TO COMPLETELY CLOSE OFF OPENINGS AND JOINTS.

CONSTRUCTION PLAN LEGEND

SEE A010 FOR ALL GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS

(E) CONSTRUCTION TO REMAIN	
(N) CONSTRUCTION	
TEMPORARY CONSTRUCTION	

ASSEMBLY RATING

1	ONE HOUR RATED

XXX — DOOR TAG
SEE DOOR SCHEDULE AND LEGEND FOR ADDITIONAL INFORMATION

XXX — INTERIOR PARTITION TAG
SEE PARTITION SHEET FOR ADDITIONAL INFORMATION

KEYNOTES

#	DESCRIPTION
F1	FLOOR FINISH, WALL FINISH, WALL BASEBOARD, SEE INTERIOR DRAWINGS
F3	WALL MOUNTED SINK, SEE PLUMBING DRAWINGS
F4	SINK IN MIDMARK CASEWORK, SEE PLUMBING DRAWINGS
F5	MIDMARK CASEWORK
F6	(WS-1) CHARTING STATION
F7	CURTAIN TRACK
F10	MULTI-PURPOSE PRINTER
F11	EXISTING CRASH CART WITH EXISTING POWER TO REMAIN
F12	EXISTING (5) WOWS W/ DOUBLE MOITORS, INCLUDING (1) AT NORTH RECEPTION AND (4) DOWN SOUTH INFRONT OF THE STAIR, ADD POWER TO CHARGE
F13	POWER-ASSISTED DOOR
F15	FURNITURE VENDOR (ONEWORK PLACE) TO PROVIDE FURNITURE SYSTEM FOR NURSE STATION, SEE STRUCTURE DRAWINGS (S2.01) FOR ANCHORAGE.
F17	EXISTING FURNITURE SYSTEMS TO REMAIN

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Natividad MEDICAL CENTER

NATIVIDAD MEDICAL CENTER

MEDICAL SURGERY DEPARTMENT LEVEL 3

1441 CONSTITUTION BOULEVARD
SALINAS, CA 93906

HCAI RECORD NUMBER:
S240593-27-00
HCAI FACILITY ID: 17353

KEYPLAN

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
4/9/2025, 1:09:36 PM
S240593-27-00
Russell Rocker

HCAI APPROVAL

LICENSED ARCHITECT
ANNA R. KEMPF
C-39255
JUNE 30, 2026
RENEWAL DATE
STATE OF CALIFORNIA

AGENCY APPROVAL

NO	DESCRIPTION	DATE
BC1	BACKCHECK#1	12/13/2024
BC2	BACKCHECK#2	03/14/2025

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

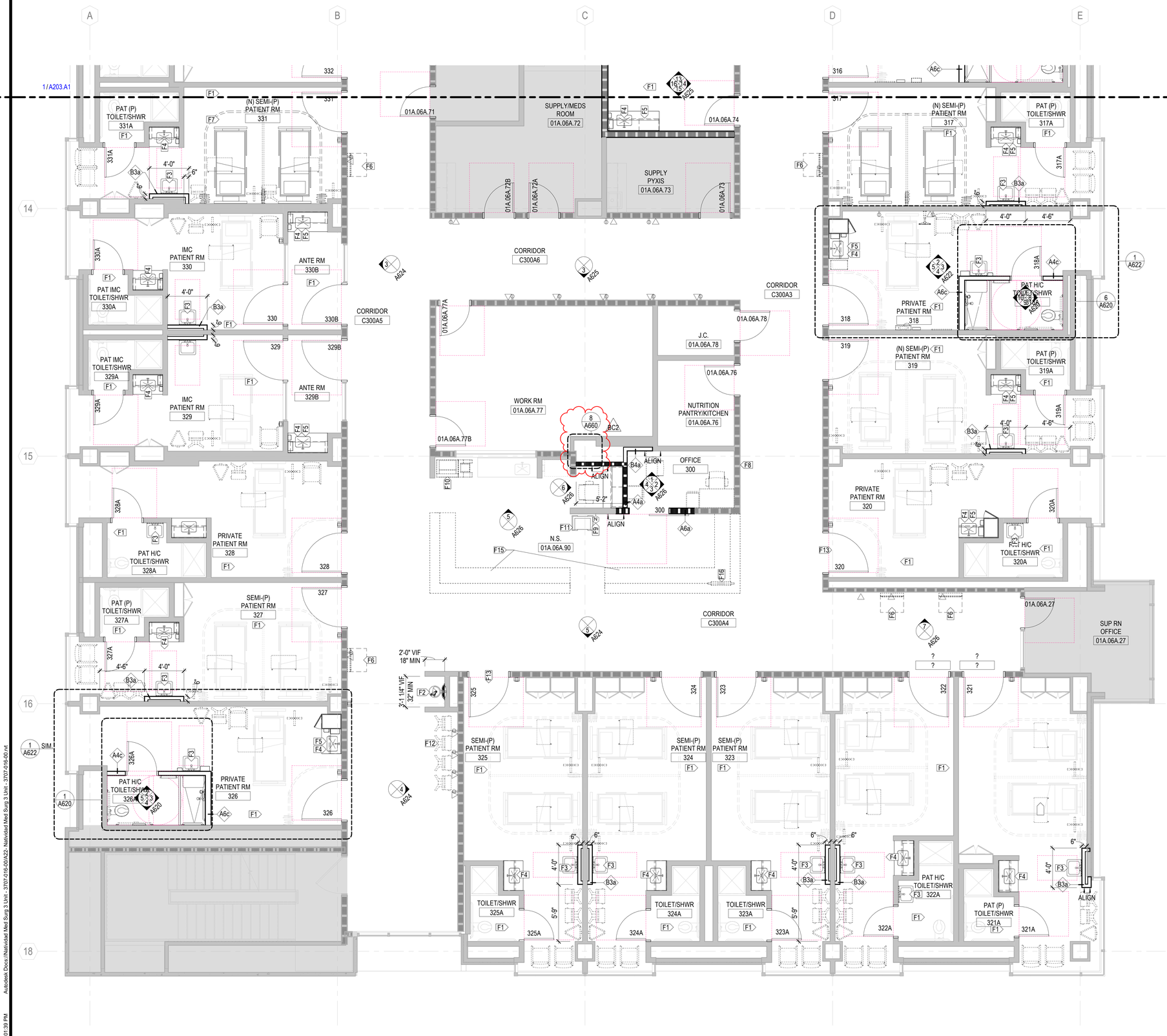
ENLARGED FLOOR PLAN - LEVEL 03 AREA A1

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

A203.A1

CONSTRUCTION DOCUMENT



1 ENLARGED FLOOR PLAN - LEVEL 03 AREA A2
1/4" = 1'-0"

GENERAL NOTES - FLOOR PLAN

A. ALL INTERIOR PARTITIONS SHALL BE **"A3_"** UNLESS NOTED OTHERWISE.
B. PLAN DIMENSIONS ARE FROM FACE OF PARTITION TYPE AND DO NOT INCLUDE APPLIED FINISHES, UNLESS NOTED OTHERWISE. PLAN DIMENSIONS INDICATED AS "HOLD" OR "CLEAR" DIMENSIONS ARE FROM FACE OF APPLIED FINISH.
C. INSTALL WORK STRAIGHT, PLUMB, LEVEL, SQUARE, AND TRUE, IN PROPER ALIGNMENT.
D. FLATNESS: LEVEL FLOORS TO TRUE PLANE WITHIN 1/4 INCH (6 MM) IN 10'-0" (3 M) WHEN TESTED BY TEN FOOT (3 M) STRAIGHTEDGE PLACED ANYWHERE ON FLOOR IN ANY DIRECTION.
E. BEFORE PROCEEDING WITH PARTITION FRAMING, PROVIDE LAYOUT MARKINGS OF PARTITIONS AND ASSOCIATED IN-WALL ELECTRICAL DEVICES ON SUBFLOOR FOR REVIEW BY ARCHITECT. BEFORE PROCEEDING WITH PARTITION FRAMING, PROVIDE LAYOUT MARKINGS OF PARTITIONS AND ASSOCIATED IN-WALL ELECTRICAL DEVICES ON SUBFLOOR FOR REVIEW BY ARCHITECT.
F. COORDINATE FURNITURE-RELATED ELECTRICAL LAYOUT WITH FURNITURE VENDOR.
G. WHERE HANDRAILS, GRAB BARS, CABINETS, WALL-MOUNTED DOOR STOPS, OR OTHER WALL-HUNG ITEMS ARE ATTACHED TO PARTITIONS, INSTALL BACKER PLATES [OR WOOD BLOCKING] ACCURATELY POSITIONED AND FIRMLY SECURED TO METAL STUDS, WHETHER OR NOT SUCH BACKER PLATES OR BLOCKING ARE INDICATED ON DRAWINGS.
H. WHERE NEW WORK ABUTS, ALIGNS OR ADJOINS EXISITING MATERIALS, MAKE SMOOTH AND EVEN TRANSITION AND ELIMINATE EVIDENCE OF PATCHING AND REFINISHING. FINISH NEW WORK TO MATCH ADJACENT UNDISTURBED SURFACES, UNLESS NOTED OTHERWISE.
I. CLOSE AND PATCH HOLES AND OPENINGS IN EXISTING FLOOR, WALL AND CEILING WHICH EXIST OR RESULT FROM DEMOLITION OR ALTERATION WORK TO MATCH ADJACENT UNDISTURBED SURFACES.
J. PRIOR TO CONCEALMENT OF FIRE RESISTIVE MATERIALS BY OTHER WORK, PATCH AND REPAIR AREAS OF REMOVED OR DAMAGED APPLIED FIREPROOFING. COMPLETE PATCHING AND REPAIR TO MAINTAIN EXISTING FIRE-RESISTANCE DESIGN IN ACCORDANCE WITH FIREPROOFING MANUFACTURER'S WRITTEN INSTRUCTIONS FOR CONDITIONS OF EXPOSURE AND INTENDED USE. COORDINATE TESTING AND INSPECTION OF ASSEMBLIES AS REQUIRED BY AUTHORITIES HAVING JURISDICTION.
K. PROVIDE FIRESTOPPING OF PENETRATIONS AND VOIDS THROUGH FIRE-RATED WALL, FLOOR AND PARTITION ASSEMBLIES [AND ROOF] INCLUDING EMPTY OPENINGS AND OPENINGS CONTAINING CABLES, PIPES, DUCTS, CONDUIT AND OTHER ELEMENTS.
L. AT SOUND-RATED PARTITION WALLS, PROVIDE CONTINUOUS BEAD OF ACOUSTICAL SEALANT AT AT JUNCTURE OF BOTH FACES OF RUNNERS OR PLATES WITH FLOOR AND CEILING CONSTRUCTION, AND WHEREVER GYPSUM BOARD ABUTS DISSIMILAR MATERIALS.
   - AT OPENINGS AND CUTOUTS, FILL OPEN SPACES BETWEEN GYPSUM BOARD AND FIXTURES, CABINETS, DUCTS AND OTHER FLUSH OR PENETRATING ITEMS, WITH CONTINUOUS BEAD OF SEALANT.
   - SEAL SIDES AND BACKS OF ELECTRICAL BOXES TO COMPLETELY CLOSE OFF OPENINGS AND JOINTS.

CONSTRUCTION PLAN LEGEND

SEE A010 FOR ALL GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS

(E) CONSTRUCTION TO REMAIN	
(N) CONSTRUCTION	
TEMPORARY CONSTRUCTION	

ASSEMBLY RATING

1	ONE HOUR RATED

DOOR TAG
SEE DOOR SCHEDULE AND LEGEND FOR ADDITIONAL INFORMATION

INTERIOR PARTITION TAG
SEE PARTITION SHEET FOR ADDITIONAL INFORMATION

KEYNOTES

#	DESCRIPTION
F1	FLOOR FINISH, WALL FINISH, WALL BASEBOARD, SEE INTERIOR DRAWINGS
F2	(DF-1) DRINKING FOUNTAIN WITH BOTTLE FILLING STATION
F3	WALL MOUNTED SINK, SEE PLUMBING DRAWINGS
F4	SINK IN MIDMARK CASEWORK, SEE PLUMBING DRAWINGS
F5	MIDMARK CASEWORK
F6	(WS-1) CHARTING STATION
F7	CURTAIN TRACK
F8	EXISTING OXYGEN TO REMAIN
F9	EXISTING NURSE CALL TO REMAIN
F10	MULTI-PURPOSE PRINTER
F11	EXISTING CRASH CART WITH EXISTING POWER TO REMAIN
F12	EXISTING (5) WOWS W/ DOUBLE MOITORS, INCLUDING (1) AT NORTH RECEPTION AND (4) DOWN SOUTH INFRONT OF THE STAIR, ADD POWER TO CHARGE
F13	POWER-ASSISTED DOOR
F15	FURNITURE VENDOR (ONEWORK PLACE) TO PROVIDE FURNITURE SYSTEM FOR NURSE STATION, SEE STRUCTURE DRAWINGS (S2.01) FOR ANCHORAGE.
F16	TV MONITOR

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ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

ENLARGED FLOOR PLAN - LEVEL 03 AREA A2

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

A203.A2

CONSTRUCTION DOCUMENT

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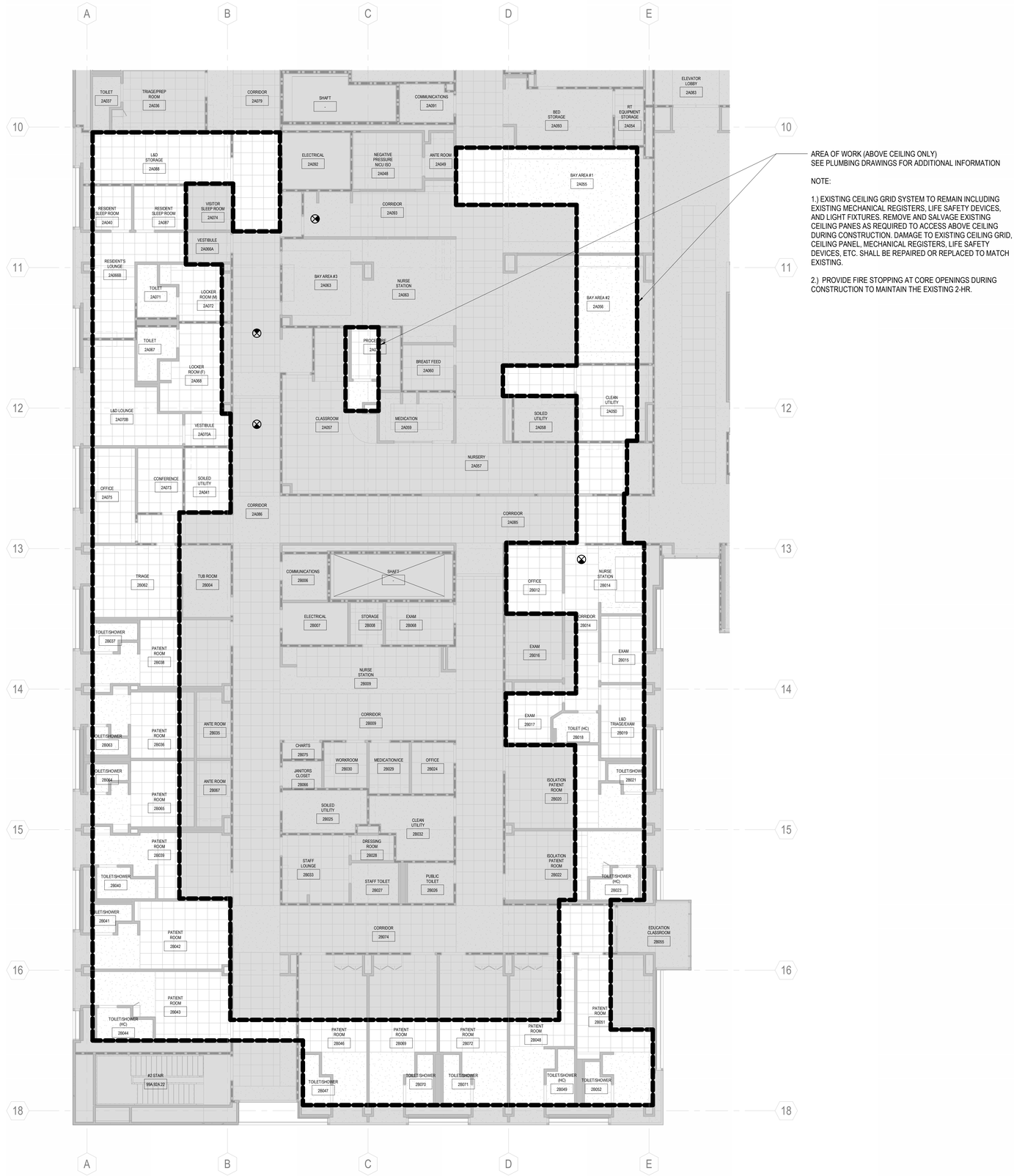

AREA OF WORK (ABOVE CEILING ONLY)
SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION

NOTE:

1.) EXISTING CEILING GRID SYSTEM TO REMAIN INCLUDING EXISTING MECHANICAL REGISTERS, LIFE SAFETY DEVICES, AND LIGHT FIXTURES. REMOVE AND SALVAGE EXISTING CEILING PANES AS REQUIRED TO ACCESS ABOVE CEILING DURING CONSTRUCTION. DAMAGE TO EXISTING CEILING GRID, CEILING PANEL, MECHANICAL REGISTERS, LIFE SAFETY DEVICES, ETC. SHALL BE REPAIRED OR REPLACED TO MATCH EXISTING.

2.) PROVIDE FIRE STOPPING AT CORE OPENINGS DURING CONSTRUCTION TO MAINTAIN THE EXISTING 2-HR.

1 REFLECTED CEILING PLAN - LEVEL 02
1/8" = 1'-0"

GENERAL NOTES - CEILING PLAN

A. CEILING HEIGHTS ARE DIMENSIONED FROM FLOOR DATUM ELEVATION TO FINISHED CEILING, UNLESS OTHERWISE NOTED.
B. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION RELATIVE TO DEVICE AND FIXTURE LOCATIONS.
C. COORDINATE INTEGRATION OF CEILING SYSTEMS WORK INCLUDING, BUT NOT LIMITED TO, MECHANICAL, ELECTRICAL, SPRINKLER AND FIRE PROTECTION, TELECOMMUNICATIONS, AND STRUCTURAL SYSTEMS, TO MAINTAIN CEILING HEIGHT INDICATED. NOTIFY ARCHITECT OF CONFLICTS PRIOR TO PROCEEDING WITH THE WORK.
D. LOCATE COMPONENTS WITHIN CEILING PLENUM TO MAXIMIZE CLEAR AREA FOR INSTALLATION OF LIGHT FIXTURES AND ACCOMMODATE FIXTURE LAYOUT AS INDICATED.
E. WHERE DOORS WITH HOLD-OPEN DEVICES ARE REQUIRED, PROVIDE SMOKE DETECTOR WITHIN 5 FEET OF OPENING ON BOTH SIDES OF DOORWAY. VERIFY LOCATION OF SMOKE DETECTORS WITH ARCHITECT PRIOR TO INSTALLATION.
F. PROVIDE ACCESS PANELS AT GYPSUM BOARD CEILINGS AND WHERE ACCESS IS REQUIRED FOR ITEMS OF MECHANICAL, PLUMBING AND ELECTRICAL WORK LOCATED BEHIND OR ABOVE FINISHED WALLS OR CEILINGS WHICH REQUIRE ACCESS, WHETHER OR NOT SUCH PANELS ARE INDICATED ON DRAWINGS. VERIFY LOCATION OF ACCESS PANELS WITH ARCHITECT PRIOR TO INSTALLATION.
G. REVIEW LOCATION OF LIFE-SAFETY DEVICES AND/OR EQUIPMENT NOT SHOWN ON THE DRAWINGS WITH ARCHITECT PRIOR TO INSTALLATION.
H. COORDINATE ABOVE CEILING DRAFTSTOP LOCATIONS IN ACCORDANCE WITH REQUIREMENTS OF APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION.
I. ACOUSTICAL CEILING GRID AND LIGHTING SHALL BE CENTERED IN ROOM(S) UNLESS NOTED OTHERWISE.
J. CENTER RECESSED LIGHTS, ELECTRICAL, MECHANICAL DEVICES AND SPRINKLER HEADS WHEN SHOWN IN CEILING TILES. WHERE RECESSED LIGHTS ARE SHOWN OFF-CENTER IN 2X4 SCORED CEILING TILE, CENTER THE FIXTURE WITHIN THE 2X2 PORTION OF THE TILE.
K. CEILING FINISHES ADJACENT TO OR WITHIN THE LIMITS OF CONSTRUCTION DISTURBED OR DAMAGED BY CONSTRUCTION SHALL BE PATCHED TO MATCH EXISTING ADJACENT CEILING FINISH.

RCP LEGEND

SEE A010 FOR ALL GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS

- 2x2 ACT; SEE PLAN FOR CEILING HEIGHTS
- 2x4 ACT; SEE PLAN FOR CEILING HEIGHTS
- HATCHED AREA INDICATES AREA OF EXISTING CEILING TO REMAIN. CLEAN EXISTING GRID, REGISTERS AND OTHER DEVIDES AND REPAIR OR REPLACE DAMAGED COMPONENTS TO MATCH EXISTING.
- GYPSUM BOARD CEILING; SEE PLAN FOR CEILING HEIGHTS
- 1HR RATED HORIZONTAL (GYP BD) ASSEMBLY PER A673; SEE PLAN FOR CEILING HEIGHTS
- 2X2 LIGHT FIXTURE
- 2X4 LIGHT FIXTURE
- RECESSED DOWN LIGHT FIXTURE
- WALL SCONCE LIGHT FIXTURE
- EXIT SIGN
- (N) NURSE CALL
- RETURN GRILLE
- SUPPLY DIFFUSER
- EXHAUST DIFFUSER
- CURTAIN TRACK
- ACCESS PANEL

KEYNOTES

#	DESCRIPTION

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Natividad MEDICAL CENTER

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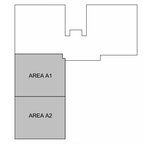
SALINAS, CA 93906

HCAI RECORD NUMBER: S240593-27-00
HCAI FACILITY ID: 17353



KEYPLAN

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APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
4/9/2025, 1:09:36 PM
S240593-27-00
Russell Rocker

HCAI APPROVAL

LICENSED ARCHITECT
ANNA R. KEMPF
C-39256
JUNE 30, 2025
RENEWAL DATE
STATE OF CALIFORNIA

AGENCY APPROVAL

NO	DESCRIPTION	DATE
BC2	BACKCHECK#2	03/14/2025

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

REFLECTED CEILING PLAN - LEVEL 02

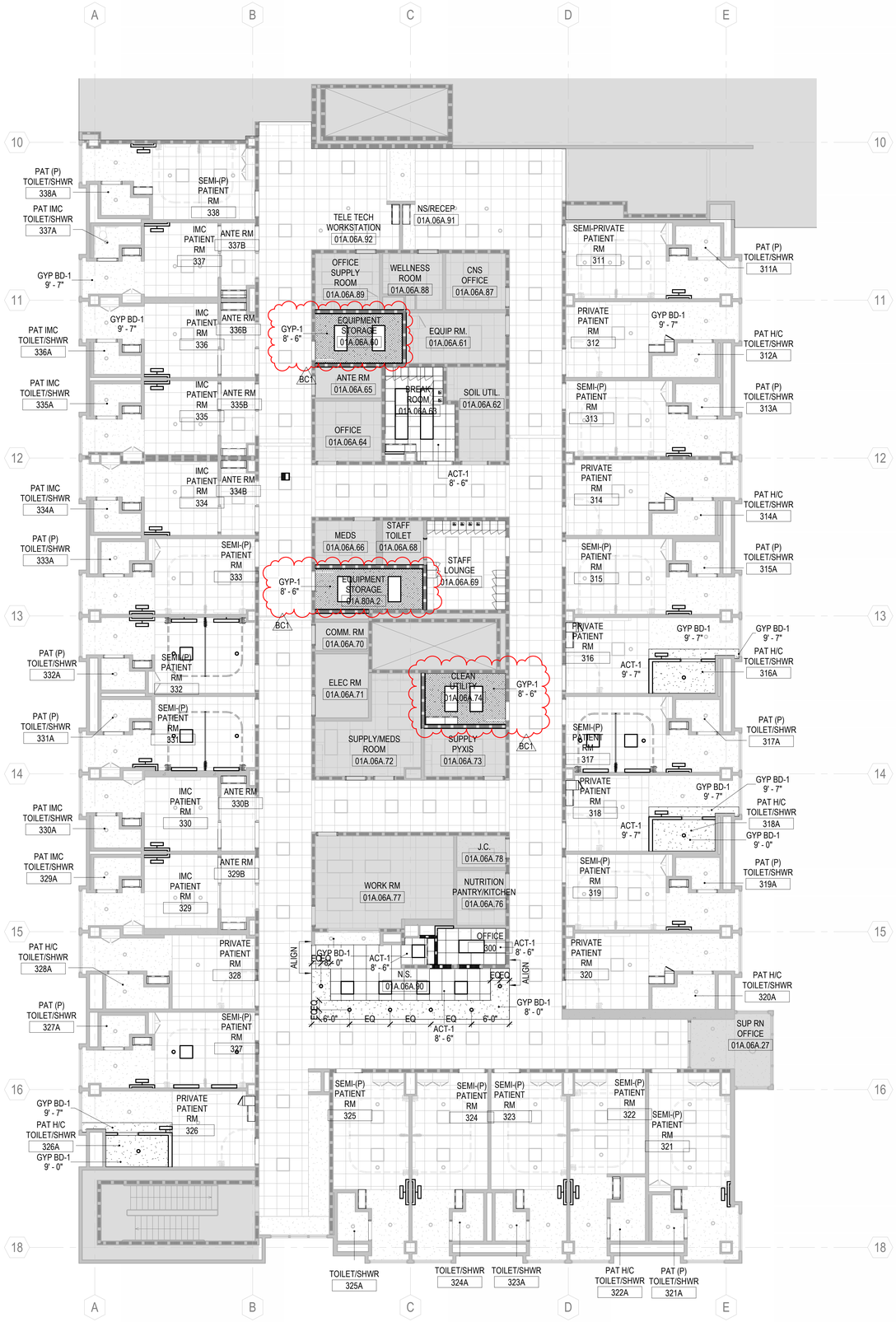
DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

A302

CONSTRUCTION DOCUMENT

Author 3/26/2025 4:01:41 PM Autodesk Docs://Natividad Med Surg 3 Unit - 3707.016.00/A22_Natividad Med Surg 3 Unit - 3707.016.00.rvt



1 REFLECTED CEILING PLAN - LEVEL 03
1/8" = 1'-0"

GENERAL NOTES - CEILING PLAN

A. CEILING HEIGHTS ARE DIMENSIONED FROM FLOOR DATUM ELEVATION TO FINISHED CEILING, UNLESS OTHERWISE NOTED.
B. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION RELATIVE TO DEVICE AND FIXTURE LOCATIONS.
C. COORDINATE INTEGRATION OF CEILING SYSTEMS WORK INCLUDING, BUT NOT LIMITED TO, MECHANICAL, ELECTRICAL, SPRINKLER AND FIRE PROTECTION, TELECOMMUNICATIONS, AND STRUCTURAL SYSTEMS, TO MAINTAIN CEILING HEIGHT INDICATED. NOTIFY ARCHITECT OF CONFLICTS PRIOR TO PROCEEDING WITH THE WORK.
D. LOCATE COMPONENTS WITHIN CEILING PLENUM TO MAXIMIZE CLEAR AREA FOR INSTALLATION OF LIGHT FIXTURES AND ACCOMMODATE FIXTURE LAYOUT AS INDICATED.
E. WHERE DOORS WITH HOLD-OPEN DEVICES ARE REQUIRED, PROVIDE SMOKE DETECTOR WITHIN 5 FEET OF OPENING ON BOTH SIDES OF DOORWAY. VERIFY LOCATION OF SMOKE DETECTORS WITH ARCHITECT PRIOR TO INSTALLATION.
F. PROVIDE ACCESS PANELS AT GYPSUM BOARD CEILINGS AND WHERE ACCESS IS REQUIRED FOR ITEMS OF MECHANICAL, PLUMBING AND ELECTRICAL WORK LOCATED BEHIND OR ABOVE FINISHED WALLS OR CEILINGS WHICH REQUIRE ACCESS, WHETHER OR NOT SUCH PANELS ARE INDICATED ON DRAWINGS. VERIFY LOCATION OF ACCESS PANELS WITH ARCHITECT PRIOR TO INSTALLATION.
G. REVIEW LOCATION OF LIFE-SAFETY DEVICES AND/OR EQUIPMENT NOT SHOWN ON THE DRAWINGS WITH ARCHITECT PRIOR TO INSTALLATION.
H. COORDINATE ABOVE CEILING DRAFTSTOP LOCATIONS IN ACCORDANCE WITH REQUIREMENTS OF APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION.
I. ACOUSTICAL CEILING GRID AND LIGHTING SHALL BE CENTERED IN ROOM(S) UNLESS NOTED OTHERWISE.
J. CENTER RECESSED LIGHTS, ELECTRICAL, MECHANICAL DEVICES AND SPRINKLER HEADS WHEN SHOWN IN CEILING TILES. WHERE RECESSED LIGHTS ARE SHOWN OFF-CENTER IN 2X4 SCORED CEILING TILE, CENTER THE FIXTURE WITHIN THE 2X2 PORTION OF THE TILE.
K. CEILING FINISHES ADJACENT TO OR WITHIN THE LIMITS OF CONSTRUCTION DISTURBED OR DAMAGED BY CONSTRUCTION SHALL BE PATCHED TO MATCH EXISTING ADJACENT CEILING FINISH.

RCP LEGEND

SEE A010 FOR ALL GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS

- 2x2 ACT; SEE PLAN FOR CEILING HEIGHTS
- 2x4 ACT; SEE PLAN FOR CEILING HEIGHTS
- HATCHED AREA INDICATES AREA OF EXISTING CEILING TO REMAIN. CLEAN EXISTING GRID, REGISTERS AND OTHER DEVIDES AND REPAIR OR REPLACE DAMAGED COMPONENTS TO MATCH EXISTING.
- GYPSUM BOARD CEILING; SEE PLAN FOR CEILING HEIGHTS
- 1HR RATED HORIZONTAL (GYP BD) ASSEMBLY PER A673; SEE PLAN FOR CEILING HEIGHTS
- 2X2 LIGHT FIXTURE
- 2X4 LIGHT FIXTURE
- RECESSED DOWN LIGHT FIXTURE
- WALL SCONCE LIGHT FIXTURE
- EXIT SIGN
- NURSE CALL
- RETURN GRILLE
- SUPPLY DIFFUSER
- EXHAUST DIFFUSER
- CURTAIN TRACK
- ACCESS PANEL

BC1

KEYNOTES

#	DESCRIPTION

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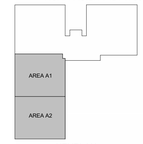

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ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

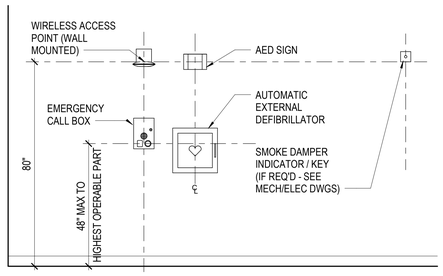
REFLECTED CEILING PLAN - LEVEL 03

DATE: APRIL 16, 2024

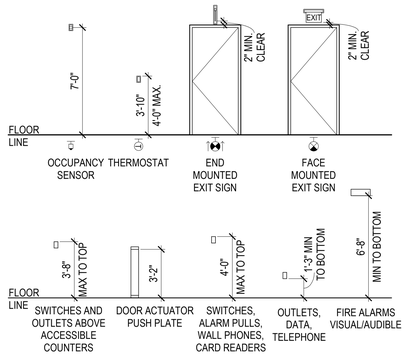
CONSTRUCTION DOCUMENTS

A303

CONSTRUCTION DOCUMENT

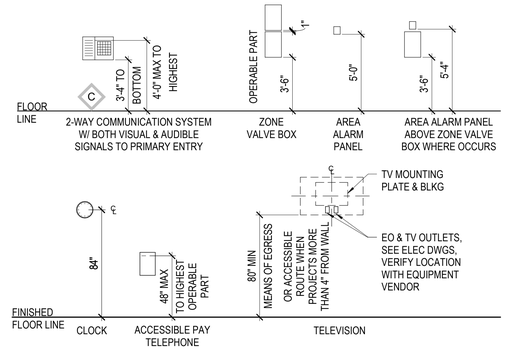


1 MOUNTING HEIGHTS - CORRIDORS
1/2" = 1'-0"

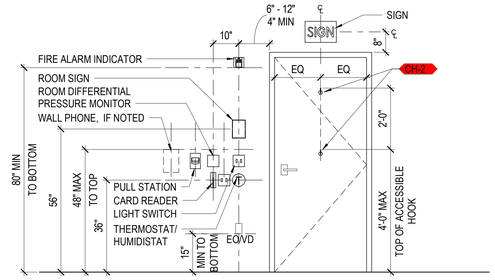


1. ELECTRICAL SWITCHES: CONTROLS AND SWITCHES INTENDED TO BE USED BY THE OCCUPANT OF A ROOM OR AREA TO CONTROL LIGHTING AND RECEPTACLE OUTLETS, APPLIANCES OR COOLING, HEATING AND VENTILATING EQUIPMENT, SHALL COMPLY w/ SECTION 11B-308 EXCEPT THE LOW REACH SHALL BE MEASURED TO THE BOTTOM OF THE OUTLET BOX AND THE HIGH REACH SHALL BE MEASURED TO THE TOP OF THE OUTLET BOX.
2. ELECTRICAL RECEPTACLE OUTLETS: RECEPTACLE OUTLETS ON BRANCH CIRCUITS OF 30AMP OR LESS AND COMMUNICATION SYSTEM RECEPTACLES SHALL COMPLY w/ SECTION 11B-308 EXCEPT THE LOW REACH SHALL BE MEASURED TO THE BOTTOM OF THE OUTLET BOX AND THE HIGH REACH SHALL BE MEASURED TO THE TOP OF THE OUTLET BOX.

4 ELECTRICAL DEVICES MOUNTING HEIGHTS
1/4" = 1'-0"



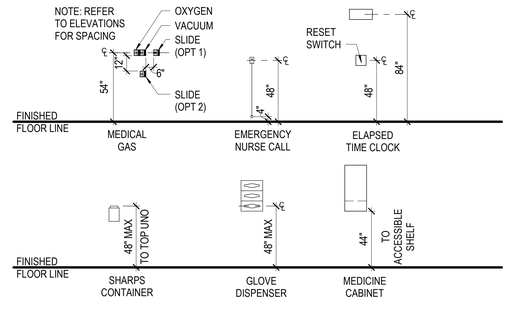
2 EQUIPMENT MOUNTING HEIGHTS
1/4" = 1'-0"



NOTE DOOR SHOWN FOR REFERENCE. DEVICES ARE SHOWN FOR ILLUSTRATIVE PURPOSES. TYPES AND QUANTITIES WILL VARY.

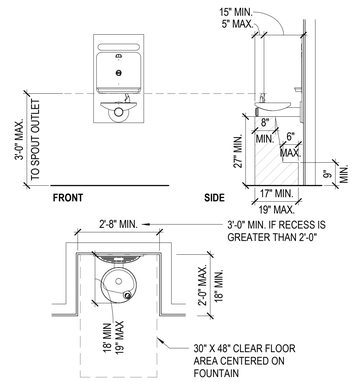
1. ELECTRICAL SWITCHES: CONTROLS AND SWITCHES INTENDED TO BE USED BY THE OCCUPANT OF A ROOM OR AREA TO CONTROL LIGHTING AND RECEPTACLE OUTLETS, APPLIANCES OR COOLING, HEATING AND VENTILATING EQUIPMENT, SHALL COMPLY w/ SECTION 11B-308 EXCEPT THE LOW REACH SHALL BE MEASURED TO THE BOTTOM OF THE OUTLET BOX AND THE HIGH REACH SHALL BE MEASURED TO THE TOP OF THE OUTLET BOX.
2. ELECTRICAL RECEPTACLE OUTLETS: RECEPTACLE OUTLETS ON BRANCH CIRCUITS OF 30AMP OR LESS AND COMMUNICATION SYSTEM RECEPTACLES SHALL COMPLY w/ SECTION 11B-308 EXCEPT THE LOW REACH SHALL BE MEASURED TO THE BOTTOM OF THE OUTLET BOX AND THE HIGH REACH SHALL BE MEASURED TO THE TOP OF THE OUTLET BOX.

5 MOUNTING HEIGHTS - DEVICES
1/2" = 1'-0"



3 MOUNTING HEIGHTS - MEDICAL DEVICES & EQUIPMENT
1/4" = 1'-0"

NOTE: SPOUT SHALL PROVIDE A FLOW OF WATER 4" HIGH MIN THE ANGLE OF THE WATER STREAM SHALL BE MEASURED FROM THE FRONT FACE OF THE UNIT. WHERE SPOUTS ARE LOCATED LESS THAN 3" FROM THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 30 DEGREES MAX WHERE SPOUTS ARE LOCATED BETWEEN 3" & 5" FROM THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 15 DEGREES MAX **PER CBC SECTION 11B-602.6**



6 TYPICAL RECESSED DRINKING FOUNTAIN
1/2" = 1'-0"

BC2

GENERAL NOTES - MOUNTING HEIGHTS

A. ALL FIXTURES AND ACCESSORIES AT ACCESSIBLE ROOMS TO MEET CBC AND ADA ACCESSIBILITY REQUIREMENTS.

B. ALL ITEMS SHOWN NOT NECESSARILY USED.

D. "#" SYMBOL SHOWN SERVES AS A PLACE HOLDER ONLY. REFER TO MATERIAL ID LIST, SPECIFICATIONS AND EQUIPMENT SCHEDULE FOR ACTUAL EQUIPMENT NUMBER.

E. [A] [B] AND [C] SYMBOL DESIGNATES BACKING TYPE. WHERE MORE THEN ONE IS LISTED, CONTRACTOR TO CHOOSE APPROPRIATE DETAIL FROM THOSE LISTED. WHERE NO OPTION IS LISTED CONTRACTOR TO CHOOSE APPROPRIATE METHOD. REFER TO SHEET SHEET A662 FOR MOUNTING SUPPORT DETAILS.

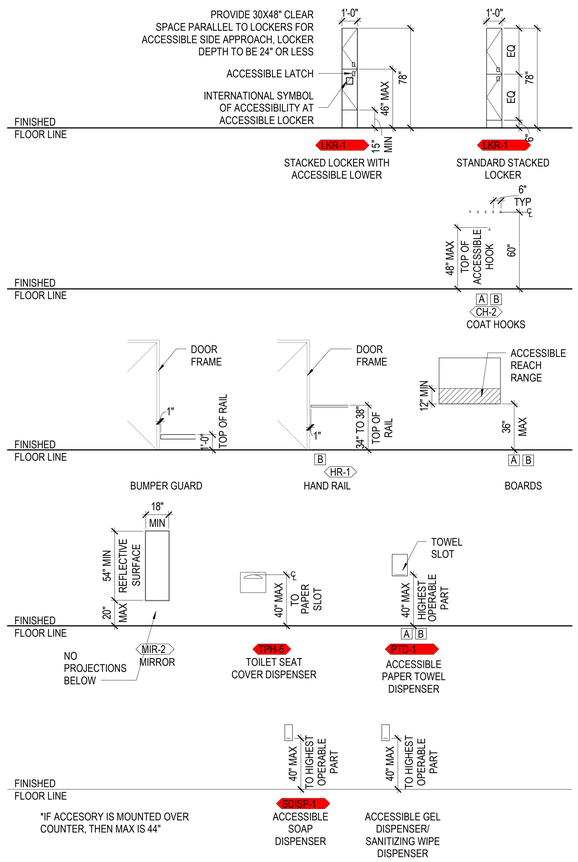
F. PROVIDE MOUNTING SUPPORTS AT ALL SHELVES, TOILET ACCESSORIES, MIRRORS, CLOCKS, CHALKBOARDS, MARKER BOARDS, WALL HOOKS, COAT RACKS/HOOKS, WOOD TRIM, DOOR BUMPERS, FIRE EXTINGUISHERS AND OTHER ITEMS TO BE SECURED TO WALL, UNLESS OTHER MEANS OF SUPPORT ARE INDICATED.

G. PROVIDE MOUNTING SUPPORTS AT LOCATIONS REQUIRED BY OWNER FOR OWNER INSTALLED ITEMS. CONTRACTOR TO COORDINATE WITH OWNER.

H. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR MARKING LOCATIONS OF ITEMS REQUIRING MOUNTING SUPPORTS.

J. ALL PLAN DIMENSIONS SHOWN HERE ARE TYPICAL UNLESS NOTED OTHERWISE. REFERENCE FLOOR PLANS FOR ADDITIONAL ROOM DIMENSIONS.

L. SEE ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.



7 TOILET ROOM ACCESSORY MOUNTING HEIGHTS
1/4" = 1'-0"

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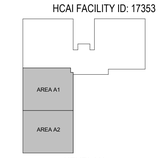
HCAI RECORD NUMBER:
S240593-27-00
HCAI FACILITY ID: 17353



KEYPLAN

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APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
4/9/2025, 1:09:36 PM
S240593-27-00
Russell Rocker

HCAI APPROVAL

LICENSED ARCHITECT
ANNA R. KEMPF
C-39256
JUNE 30, 2025
REGISTRATION DATE
STATE OF CALIFORNIA

AGENCY APPROVAL

NO	DESCRIPTION	DATE
BC2	BACKCHECK#2	03/14/2025

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

TYPICAL MOUNTING HEIGHTS AND CLEARANCES

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

A600

CONSTRUCTION DOCUMENT

Author
3/26/2025 4:01:42 PM
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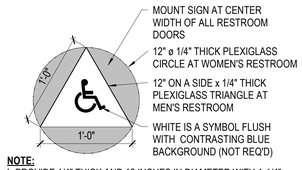
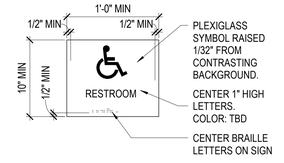


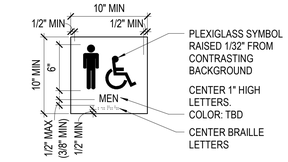
NOTE:
1. PROVIDE 1/4" THICK AND 12 INCHES IN DIAMETER WITH A 1/4" THICK CONTRASTING TRIANGLE SUPERIMPOSED ON THE CIRCLE AND WITHIN THE 12 INCH DIAMETER FOR UNISEX AND ALL GENDER RESTROOMS
2. PROVIDE 1/4" THICK TRIANGLE ONLY FOR MEN'S RESTROOM
3. PROVIDE 1/4" THICK CIRCLE ONLY FOR WOMEN'S RESTROOM
4. SIGN SHALL CONTRAST WITH DOOR ON WHICH IT RESIDES

F ISA RESTROOM DOOR SIGN 6

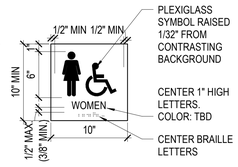
NOTE: DIRECTIONAL SIGNAGE POSTED AS NECESSARY TO INDICATE LOCATION OF ACCESSIBLE EXITS WHICH CONTAIN AN AREA OF EVACUATION ASSISTANCE.



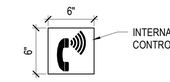
C ALL GENDER RESTROOM SIGN 3



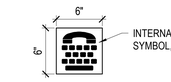
D MEN'S RESTROOM SIGN 4



E WOMEN'S RESTROOM SIGN 5



R PHONE VOLUME CONTROL SYMBOL 17

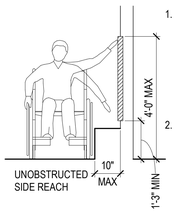


T TTY PHONE SYMBOL 16

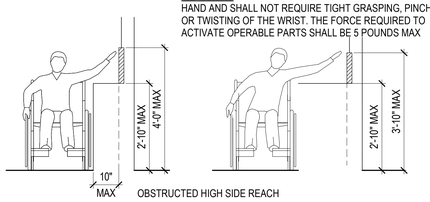
S ISA SYMBOL 16

NOTE: PROVIDE AT ALL ACCESSIBLE BUILDING ENTRIES. LOCATE ON STRIKE SIDE OF SINGLE DOORS OR ON RIGHT OF HINGE SIDE OF DOUBLE DOORS.

1 TYPICAL SIGNAGE
1 1/2" = 1'-0"

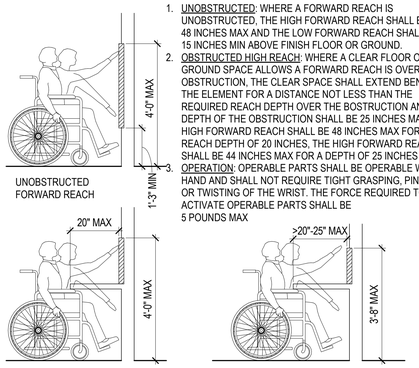


1. UNOBSTRUCTED: WHERE A CLEAR FLOOR OR GROUND SPACE ALLOWS A PARALLEL APPROACH TO AN ELEMENT AND THE SIDE REACH IS UNOBSTRUCTED, THE HIGH SIDE REACH SHALL BE 48 INCHES MAX AND THE LOW SIDE REACH SHALL BE 15 INCHES MIN ABOVE FINISH FLOOR OR GROUND.
   A. EXCEPTION: AN OBSTRUCTION SHALL BE PERMITTED BETWEEN THE CLEAR FLOOR OR GROUND SPACE AND THE ELEMENT WHERE THE DEPTH OF THE OBSTRUCTION IS 10 INCHES MAX
2. OBSTRUCTED HIGH REACH: WHERE A CLEAR FLOOR OR GROUND SPACE ALLOWS A PARALLEL APPROACH TO AN ELEMENT AND THE HIGH SIDE REACH IS OVER AN OBSTRUCTION, THE HEIGHT OF THE OBSTRUCTION SHALL BE 34 INCHES MAX AND THE DEPTH OF THE OBSTRUCTION SHALL BE 24 INCHES MAX THE HIGH SIDE REACH SHALL BE 48 INCHES MAX FOR A REACH DEPTH OF 10 INCHES MAX WHERE THE REACH DEPTH EXCEEDS 10 INCHES, THE HIGH SIDE REACH SHALL BE 46 INCHES MAX FOR A REACH DEPTH OF 24 INCHES MAX
3. OPERATION: OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS MAX



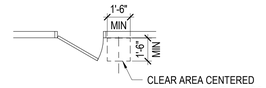
OBSTRUCTED HIGH SIDE REACH

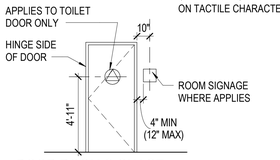
1. UNOBSTRUCTED: WHERE A FORWARD REACH IS UNOBSTRUCTED, THE HIGH FORWARD REACH SHALL BE 48 INCHES MAX AND THE LOW FORWARD REACH SHALL BE 15 INCHES MIN ABOVE FINISH FLOOR OR GROUND.
2. OBSTRUCTED HIGH REACH: WHERE A CLEAR FLOOR OR GROUND SPACE ALLOWS A FORWARD REACH IS OVER AN OBSTRUCTION, THE CLEAR SPACE SHALL EXTEND BENEATH THE ELEMENT FOR A DISTANCE NOT LESS THAN THE REQUIRED REACH DEPTH OVER THE BOSTRUCTION AND THE DEPTH OF THE OBSTRUCTION SHALL BE 25 INCHES MAX THE HIGH FORWARD REACH SHALL BE 48 INCHES MAX FOR A REACH DEPTH OF 20 INCHES, THE HIGH FORWARD REACH SHALL BE 44 INCHES MAX FOR A DEPTH OF 25 INCHES MAX
3. OPERATION: OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS MAX



OBSTRUCTED HIGH FORWARD REACH

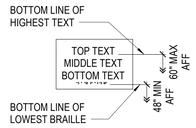
4 REACH RANGES - SIDE & FORWARD
1/2" = 1'-0"





2 DOOR/ROOM SIGNAGE
1/4" = 1'-0"

NOTE: VERIFY MIN/MAX TEXT LINE HEIGHTS AND ACTUAL SIGN SIZE PRIOR TO MOUNTING.



3 SIGN HEIGHT
1 1/2" = 1'-0"

GENERAL NOTES - SIGNAGE

A. CHARACTER TYPE: CHARACTERS ON SIGNS SHALL BE RAISED 1/32" MINIMUM AND SHALL BE SANS SERIF UPPER CASE CHARACTERS ACCOMPANIED BY GRADE 2 BRAILLE COMPLYING WITH CBC 11B-703.3.

B. CHARACTER SIZE: RAISED CHARACTERS SHALL BE A MINIMUM OF 5/8" AND A MAXIMUM OF 2" HIGH. TACTILE CHARACTERS ON SIGNS SHALL BE LOCATED 48 INCHES MIN AFF, MEASURED FROM THE BASELINE OF THE LOWEST TACTILE CHARACTER AND 60 INCHES MAX AFF, MEASURED FROM THE BASELINE OF THE HIGHEST TACTILE CHARACTER.

C. FINISH AND CONTRAST: CHARACTERS, SYMBOLS, AND THEIR BACKGROUNDS SHALL HAVE A NON-GLARE FINISH, CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND, EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND.

D. PROPORTIONS: VISUAL AND RAISED CHARACTERS ON SIGNS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60% MIN AND 110% MAX OF THE HEIGHT OF THE UPPERCASE LETTER "I". STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 10% MIN AND 20% MAX OF THE HEIGHT OF THE CHARACTER.

E. BRAILLE: BRAILLE SHALL BE CONTRACTED (GRADE 2) AND SHALL COMPLY WITH SECTIONS 11B-703.3 AND 11B-703.4 OF CBC. BRAILLE DOTS SHALL HAVE A DOMED OR ROUNDED SHAPE AND SHALL COMPLY WITH TABLE 11B-703.3.1 OF CBC. THE INDICATION OF AN UPPERCASE LETTER OR LETTERS SHALL ONLY BE USED BEFORE THE FIRST WORD OF SENTENCES, PROPER NOUNS AND NAMES, INDIVIDUAL LETTERS OF THE ALPHABET, INITIALS AND ACRONYMS.

F. LOCATION: LOCATE SIGN A MINIMUM OF 4" AND A MAXIMUM OF 12" AWAY FROM DOOR STRIKE SIDE, UNLESS OTHERWISE NOTED. SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT A CLEAR FLOOR SPACE OF 18"X18" MIN, CENTERED ON THE TACTILE CHARACTERS, IS PROVIDED BEYOND THE ARCH OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION. FOR ADDITIONAL INFORMATION, SEE DETAILS 2/A601 & 3/A601

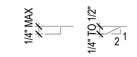
G. MATERIAL: SIGN MATERIAL TO BE 1/8" THICK ES PLASTIC WITH 1/32" RAISED BORDER AND LETTERS. MATCH EXISTING SIGNS. EDGES OF SIGNS SHALL BE ROUNDED, CHAMFERED OR EASED. CORNERS OF SIGNS SHALL HAVE A MINIMUM RADIUS OF 1/8 INCH

H. COMPLIANCE: ALL SIGNAGE MUST COMPLY WITH ARTICLE 11B-703 OF CBC AS WELL AS CURRENT ADA STANDARDS.

J. WHERE SIGNAGE MUST BE INSTALLED DIRECTLY TO GLAZING, PROVIDE BLANK SIGN ON OPPOSITE SIDE OF GLAZING WHERE NONE PRESENT.

GENERAL NOTES - FLOOR TRANISTIONS

A. FLR TRANSITION LEVEL CHANGES UP TO 1/4" MAY BE VERTICAL CHANGES IN LEVEL BTW 1/4" AND 1/2" SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 2:1 WITH NO FLR MATERIAL TRANSITION GREATER THAN 1/2" ALLOWED. TYP FOR ALL FLOOR TRANSITIONS.



B. DOOR CLEARANCES SHALL BE PER DOOR MFR'S STANDARDS OR AS REQUIRED BY CODE

C. FIELD VERIFY & COORDINATE HEIGHTS OF MATERIALS PRIOR TO FABRICATION AND/OR INSTALLATION OF TRANSITION STRIPS.

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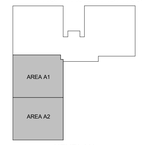
HCAI FACILITY ID: 17353



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Office of Statewide Hospital Planning and Development
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S2405l93-27-00
Russell Rocker

HCAI APPROVAL

LICENSED ARCHITECT
ANNA R. KEMPF
C-39256
JUNE 30, 2025
RENEWAL DATE
STATE OF CALIFORNIA

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

SIGNAGE + DESIGN GUIDE - MOUNTING HEIGHTS

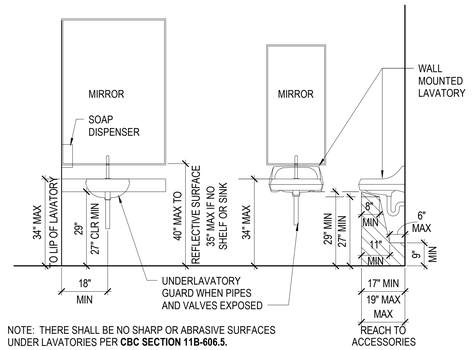
DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

A601

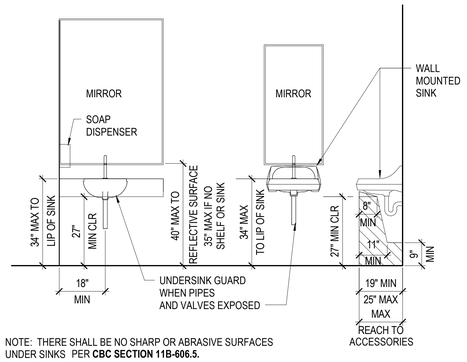
CONSTRUCTION DOCUMENT

Author 4/29/2024 9:04:27 AM Autodesk Docs://Natividad Med Surg 3 Unit - 3707-016-00/A29- Natividad Med Surg 3 Unit - 3707-016-00.rvt



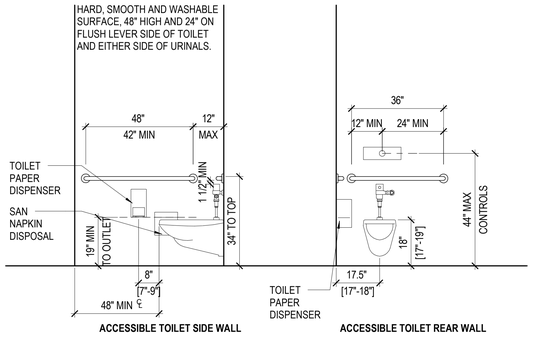
NOTE: THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES PER **CBC SECTION 11B-606.5.**

1 MOUNTING HEIGHTS - RESTROOM LAVATORIES
1/2" = 1'-0"

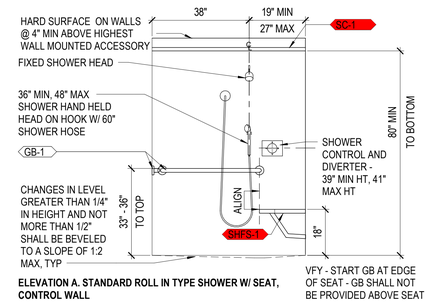


NOTE: THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER SINKS PER **CBC SECTION 11B-606.5.**

2 MOUNTING HEIGHTS - SINKS
1/2" = 1'-0"

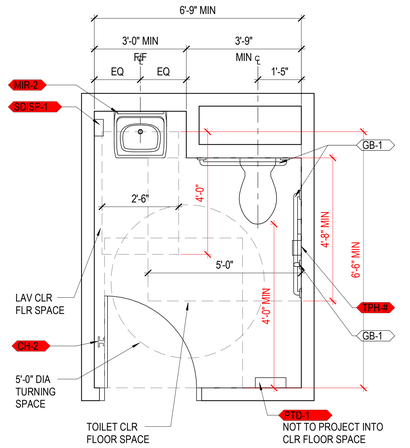


3 MOUNTING HEIGHTS - RESTROOMS
1/2" = 1'-0"

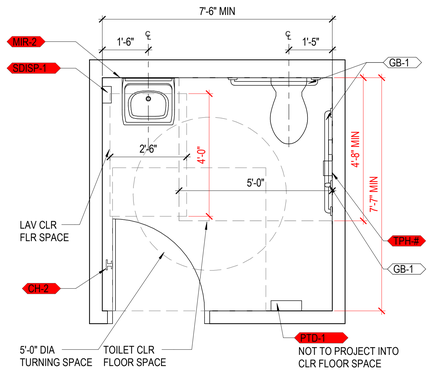


ELEVATION A. STANDARD ROLL IN TYPE SHOWER W/ SEAT, CONTROL WALL

4 MOUNTING HEIGHTS SHOWERS
1/2" = 1'-0"



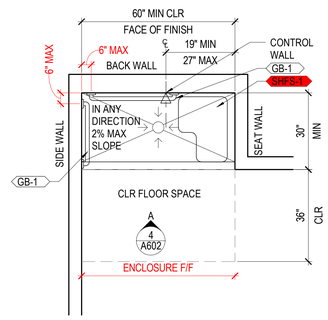
A ACCESSIBLE BATHROOM



B ACCESSIBLE BATHROOM

NOTE:
1. DIMENSIONS AND LAYOUTS SHOWN IN THIS DETAIL ARE INTENDED TO SHOW THE MINIMUM OR MAXIMUM DIMENSIONS AND MAY NOT MATCH FLOOR PLAN CONFIGURATIONS EXACTLY.
2. PROVIDE SND IN UNISEX AND WOMENS BATHROOM/TOILETS ONLY.
3. PROVIDE DOOR MOUNTED CH ON HINGED DOORS ONLY, WHERE SLIDING DOORS ARE INDICATED PROVIDE CH ON ADJACENT WALLS.

5 MINIMUM DIMENSIONS FOR ACCESSIBLE BATHROOMS
1/2" = 1'-0"



A ACCESSIBLE STANDARD TYPE ROLL-IN SHOWER W/ SEAT

NOTE:
1. DIMENSIONS AND LAYOUTS SHOWN IN THIS DETAIL ARE INTENDED TO SHOW THE MINIMUM OR MAXIMUM DIMENSIONS AND MAY NOT MATCH FLOOR PLAN CONFIGURATIONS EXACTLY.

6 MINIMUM DIMENSIONS FOR ACCESSIBLE SHOWERS
1/2" = 1'-0"

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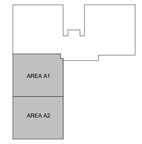

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RENEWAL DATE
STATE OF CALIFORNIA

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

TYPICAL RESTROOM AND SHOWER PLANS

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

A602

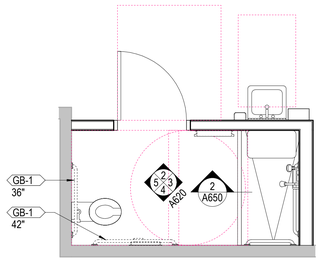
CONSTRUCTION DOCUMENT

GENERAL NOTES - INTERIOR ELEVATIONS

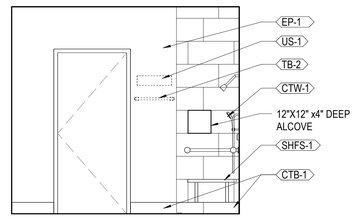
A. SEE SHEET A011 FOR MATERIAL IDENTIFICATION CODES.
B. SEE SHEETS A600-A601 FOR TYPICAL MOUNTING HEIGHTS, TYP UNO.
C. SEE SHEET A640 FOR TYP CASEWORK DETAILS AND FINISHES UNO IN ELEVATION.
D. SEE SHEETS I104-I105 FOR WALL PROTECTION TYPES.
E. REFER TO MEDICAL EQUIPMENT LISTS FOR DETAILED INFORMATION AND REQUIREMENTS RELATED TO EQUIPMENT.

KEYNOTES

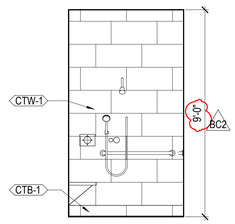
#	DESCRIPTION



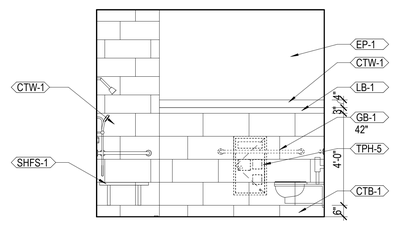
1 320A - PAT H/C TOILET/SHWR
3/8" = 1'-0"



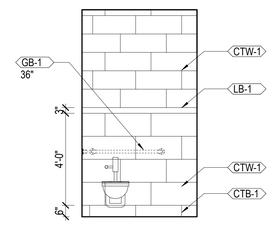
2 320A - PAT H/C TOILET/SHWR - NORTH
3/8" = 1'-0"



3 320A - PAT H/C TOILET/SHWR - EAST
3/8" = 1'-0"

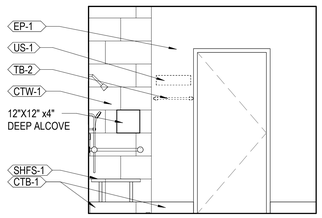


4 320A - PAT H/C TOILET/SHWR - SOUTH
3/8" = 1'-0"

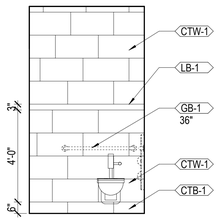


5 320A - PAT H/C TOILET/SHWR - WEST
3/8" = 1'-0"

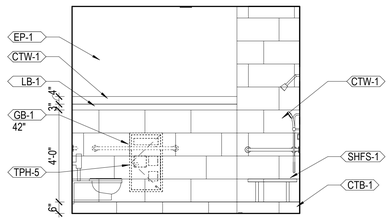
6 325A - TOILET/SHWR
3/8" = 1'-0"



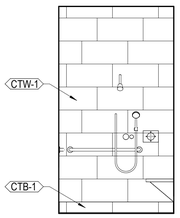
7 325A - TOILET/SHWR - NORTH
3/8" = 1'-0"



8 325A - TOILET/SHWR - EAST
3/8" = 1'-0"



9 325A - TOILET/SHWR - SOUTH
3/8" = 1'-0"



10 325A - TOILET/SHWR - WEST
3/8" = 1'-0"

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222 Sutter Street, Suite 500
San Francisco, California 94108
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ELECTRICAL ENGINEER
INT-ELECT ENGINEERING
1487 FINCH LANE, GILROY, CA
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1900 GRANT STREET, SUITE 750,
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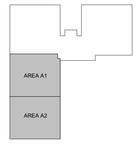
Natividad MEDICAL CENTER

NATIVIDAD MEDICAL CENTER

MEDICAL SURGERY DEPARTMENT LEVEL 3

1441 CONSTITUTION BOULEVARD
SALINAS, CA 93906

HCAI RECORD NUMBER:
S240593-27-00
HCAI FACILITY ID: 17353



KEYPLAN

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
4/9/2025, 1:09:36 PM
S240593-27-00
Russell Rocker

HCAI APPROVAL

LICENSED ARCHITECT
ANNA R. KEMPF
C-39256
JUNE 30, 2025
RENEWAL DATE
STATE OF CALIFORNIA

AGENCY APPROVAL

NO	DESCRIPTION	DATE
BC1	BACKCHECK#1	12/13/2024
BC2	BACKCHECK#2	03/14/2025

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

ENLARGED TOILET PLANS & INTERIOR ELEVATIONS

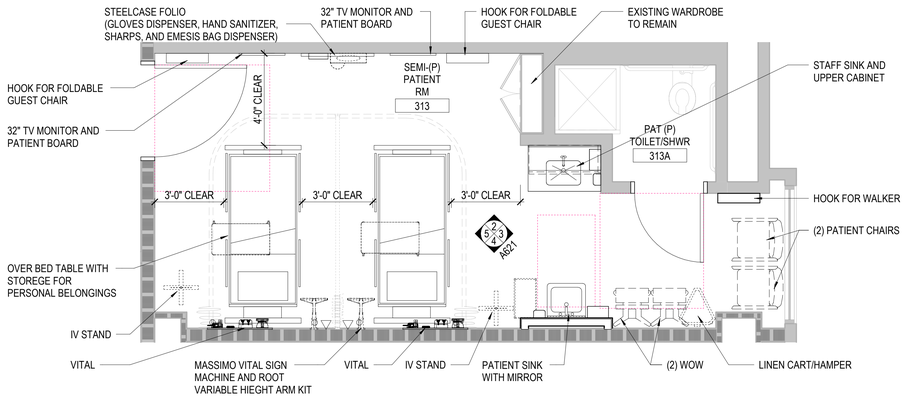
DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

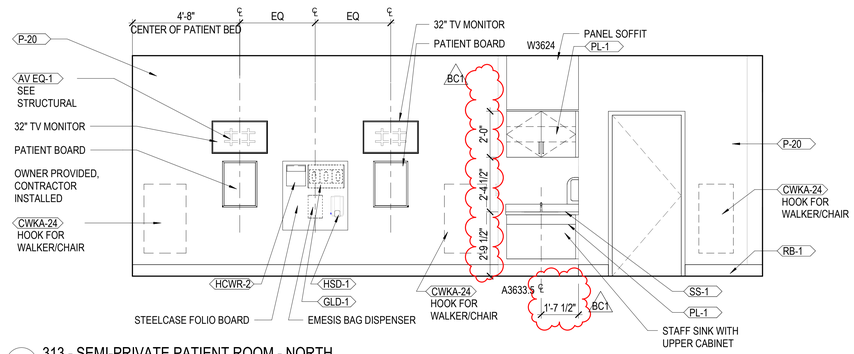
A620

CONSTRUCTION DOCUMENT

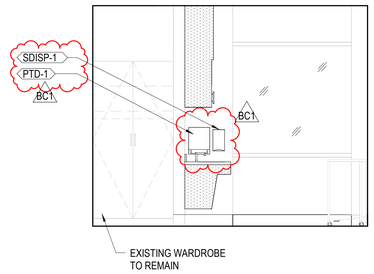
3/26/2025 4:01:44 PM Autodesk Docs://Natividad Med Surg 3 Unit - 3707-016-00/A22- Natividad Med Surg 3 Unit - 3707-016-00.rvt



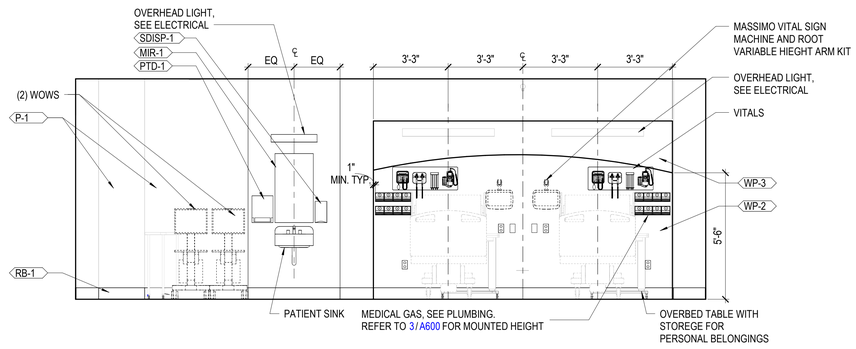
1 313 SEMI-PRIVATE PATIENT ROOM - ENLARGED FLOOR PLAN
3/8" = 1'-0"



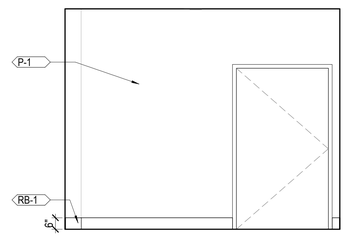
2 313 - SEMI-PRIVATE PATIENT ROOM - NORTH
3/8" = 1'-0"



3 313 - SEMI-PRIVATE PATIENT ROOM - EAST
3/8" = 1'-0"



4 313 - SEMI-PRIVATE PATIENT ROOM - SOUTH
3/8" = 1'-0"



5 313 - SEMI-PRIVATE PATIENT ROOM - WEST
3/8" = 1'-0"

GENERAL NOTES - INTERIOR ELEVATIONS

A. SEE SHEET A011 FOR MATERIAL IDENTIFICATION CODES.
B. SEE SHEETS A600-A601 FOR TYPICAL MOUNTING HEIGHTS, TYP UNO.
C. SEE SHEET A640 FOR TYP CASEWORK DETAILS AND FINISHES UNO IN ELEVATION.
D. SEE SHEETS I104-I105 FOR WALL PROTECTION TYPES.
E. REFER TO MEDICAL EQUIPMENT LISTS FOR DETAILED INFORMATION AND REQUIREMENTS RELATED TO EQUIPMENT.

KEYNOTES

#	DESCRIPTION

HGA
222 Sutter Street, Suite 500
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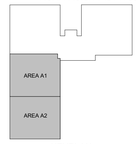
MEDICAL SURGERY DEPARTMENT LEVEL 3

1441 CONSTITUTION BOULEVARD
SALINAS, CA 93906

HCAI RECORD NUMBER:
S240593-27-00
HCAI FACILITY ID: 17353



KEYPLAN

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
4/9/2025, 1:09:36 PM
S240593-27-00
Russell Rocker

HCAI APPROVAL

LICENSED ARCHITECT
ANNA R. KEMPF
C-39255
JUNE 30, 2025
RENEWAL DATE
STATE OF CALIFORNIA

AGENCY APPROVAL

NO	DESCRIPTION	DATE
BC1	BACKCHECK#1	12/13/2024

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

ENLARGED SEMI-PRIVATE PATIENT ROOM PLAN & ELEVATIONS

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

A621

CONSTRUCTION DOCUMENT

GENERAL NOTES - INTERIOR ELEVATIONS

A. SEE SHEET A011 FOR MATERIAL IDENTIFICATION CODES.
B. SEE SHEETS A600-A601 FOR TYPICAL MOUNTING HEIGHTS, TYP UNO.
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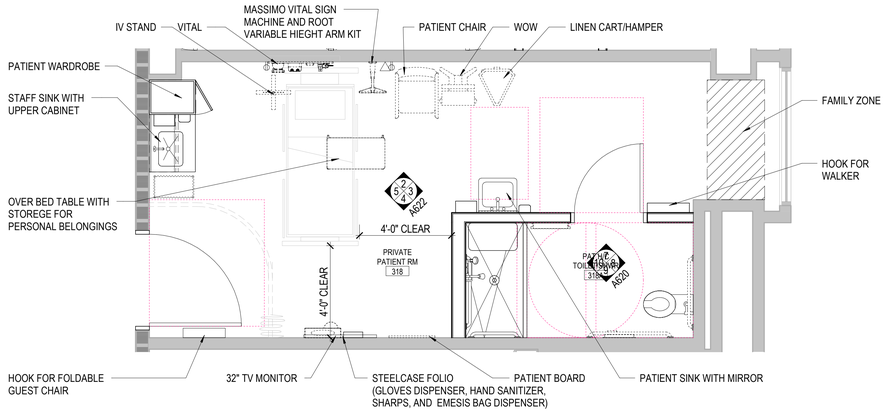
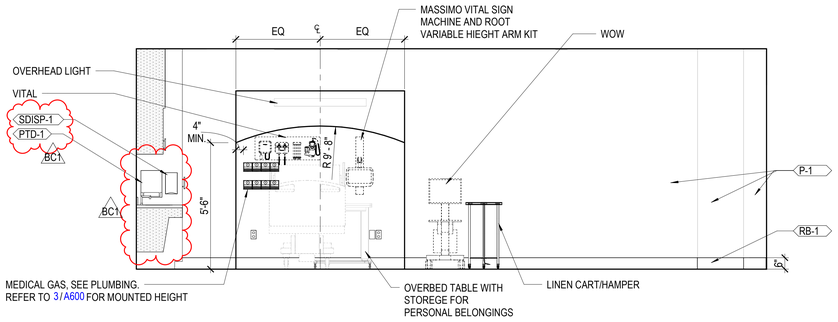
KEYNOTES

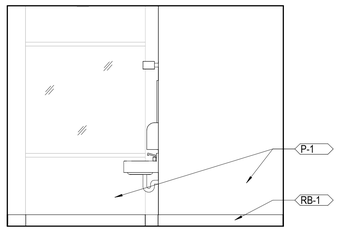
#	DESCRIPTION



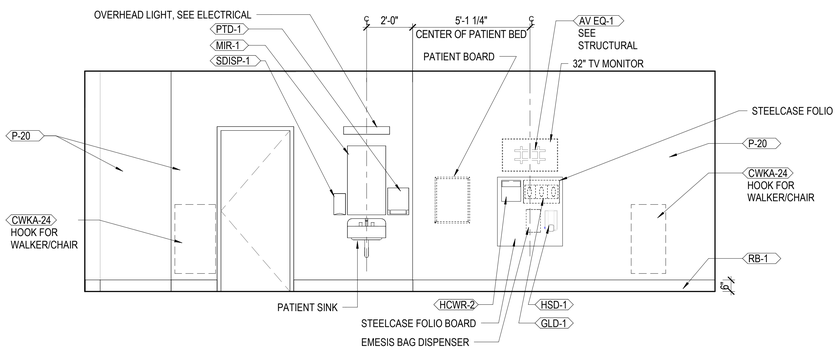
1 318 PRIVATE PATIENT ROOM - ENLARGED FLOOR PLAN
3/8" = 1'-0"



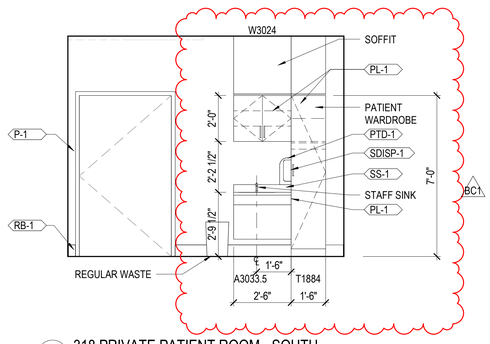
2 318 PRIVATE PATIENT ROOM - NORTH
3/8" = 1'-0"



3 318 PRIVATE PATIENT ROOM - EAST
3/8" = 1'-0"



4 318 PRIVATE PATIENT ROOM - WEST
3/8" = 1'-0"



5 318 PRIVATE PATIENT ROOM - SOUTH
3/8" = 1'-0"

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222 Sutter Street, Suite 500
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SAN FRANCISCO, CA 94104
415.398.7667

ELECTRICAL ENGINEER
INT-ELECT ENGINEERING
1487 FINCH LANE, GILROY, CA 95020
408.846.7171

INTERIOR DESIGNER
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303.433.9500

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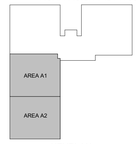
MEDICAL SURGERY DEPARTMENT LEVEL 3

1441 CONSTITUTION BOULEVARD
SALINAS, CA 93906

HCAI RECORD NUMBER: S240593-27-00
HCAI FACILITY ID: 17353



KEYPLAN

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
4/9/2025, 1:09:36 PM
S240593-27-00
Russell Rocker

HCAI APPROVAL

LICENSED ARCHITECT
ANNA R. KEMPF
C-39256
JUNE 30, 2025
RENEWAL DATE
STATE OF CALIFORNIA

AGENCY APPROVAL

NO	DESCRIPTION	DATE
BC1	BACKCHECK#1	12/13/2024

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

ENLARGED SINGLE PATIENT ROOM PLAN & ELEVATIONS

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

A622

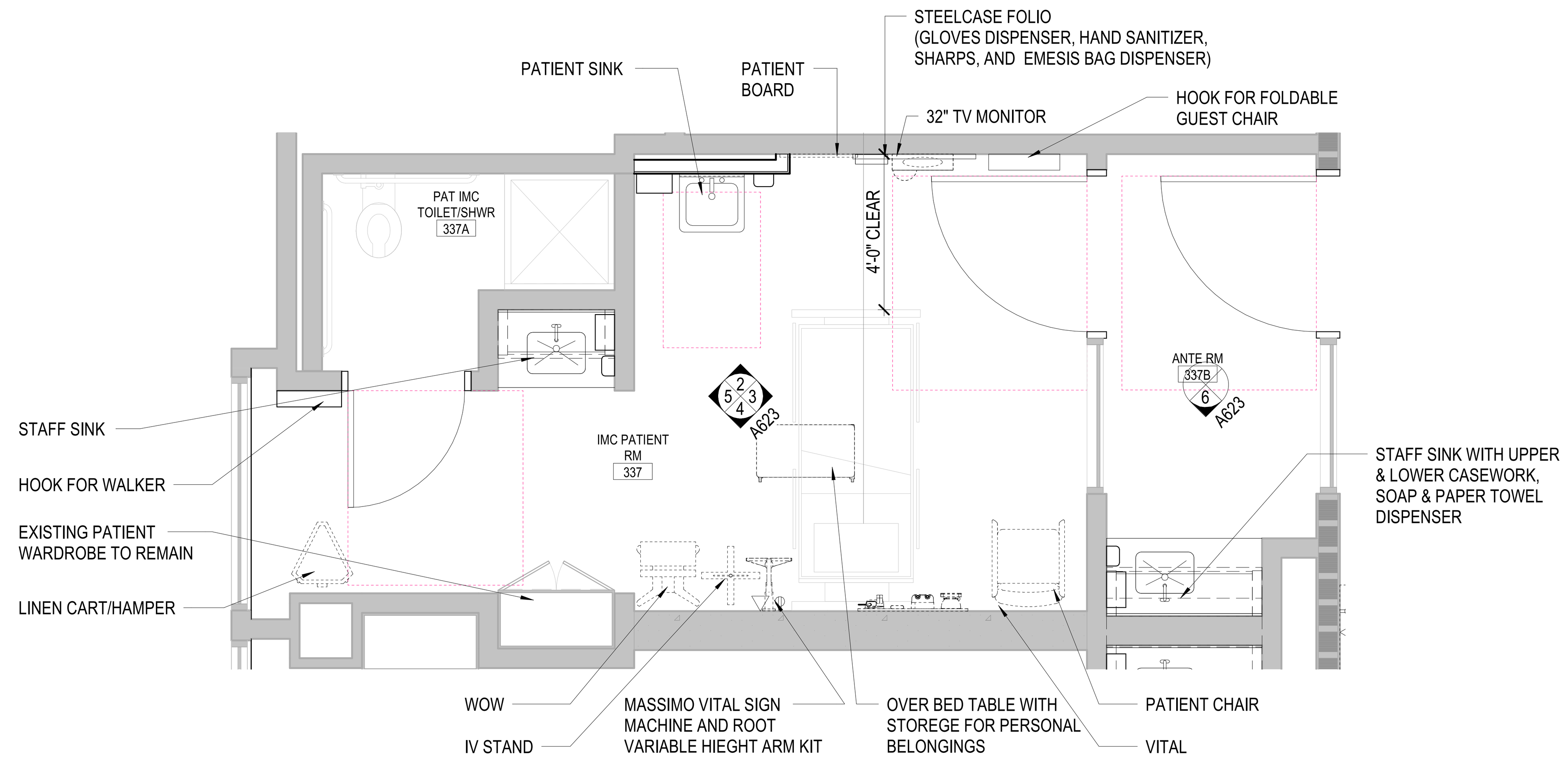
CONSTRUCTION DOCUMENT

GENERAL NOTES - INTERIOR ELEVATIONS

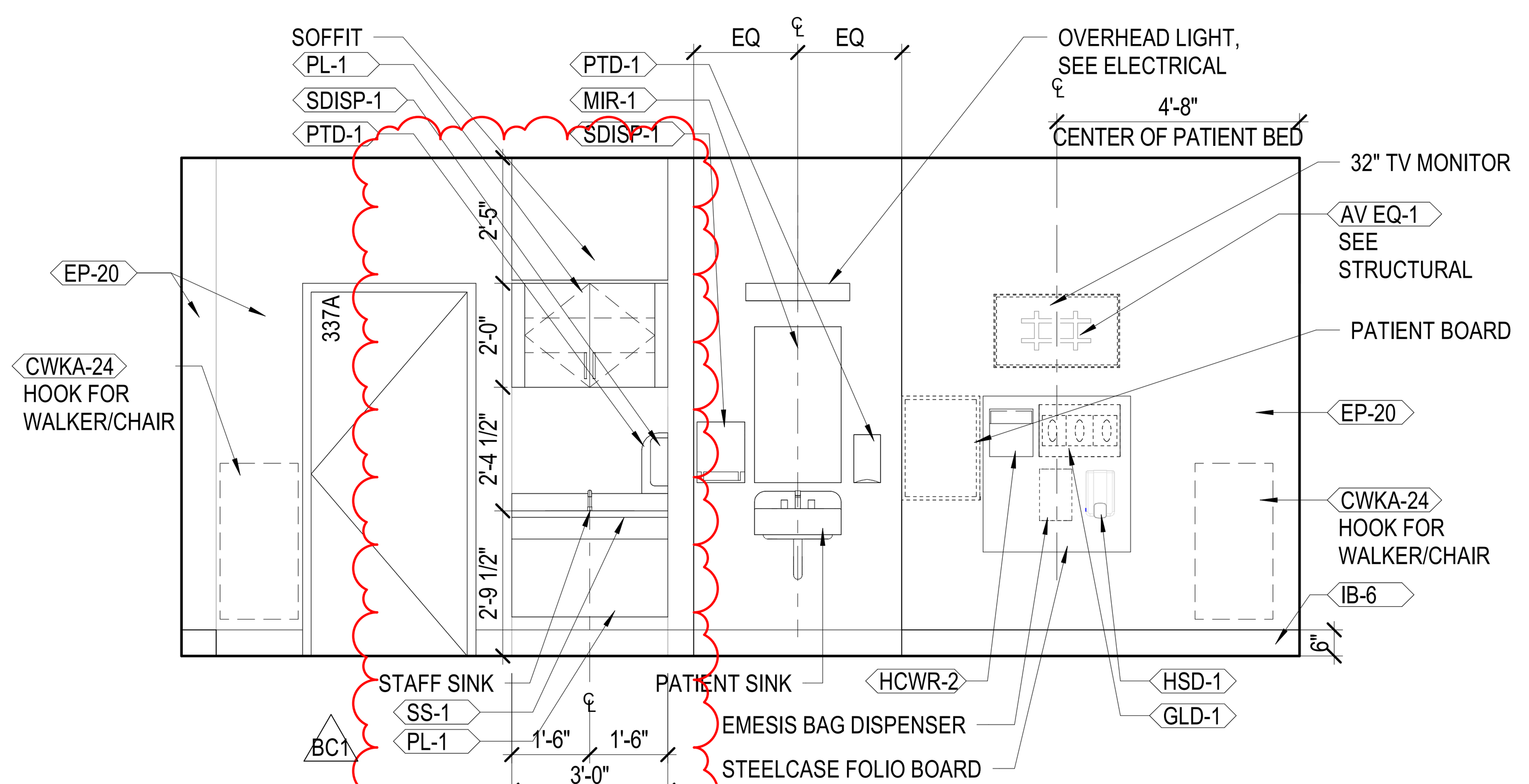
A. SEE SHEET A011 FOR MATERIAL IDENTIFICATION CODES.
B. SEE SHEETS A600-A601 FOR TYPICAL MOUNTING HEIGHTS, TYP UNO.
C. SEE SHEET A640 FOR TYP CASEWORK DETAILS AND FINISHES UNO IN ELEVATION.
D. SEE SHEETS I104-I105 FOR WALL PROTECTION TYPES.
E. REFER TO MEDICAL EQUIPMENT LISTS FOR DETAILED INFORMATION AND REQUIREMENTS RELATED TO EQUIPMENT.

KEYNOTES

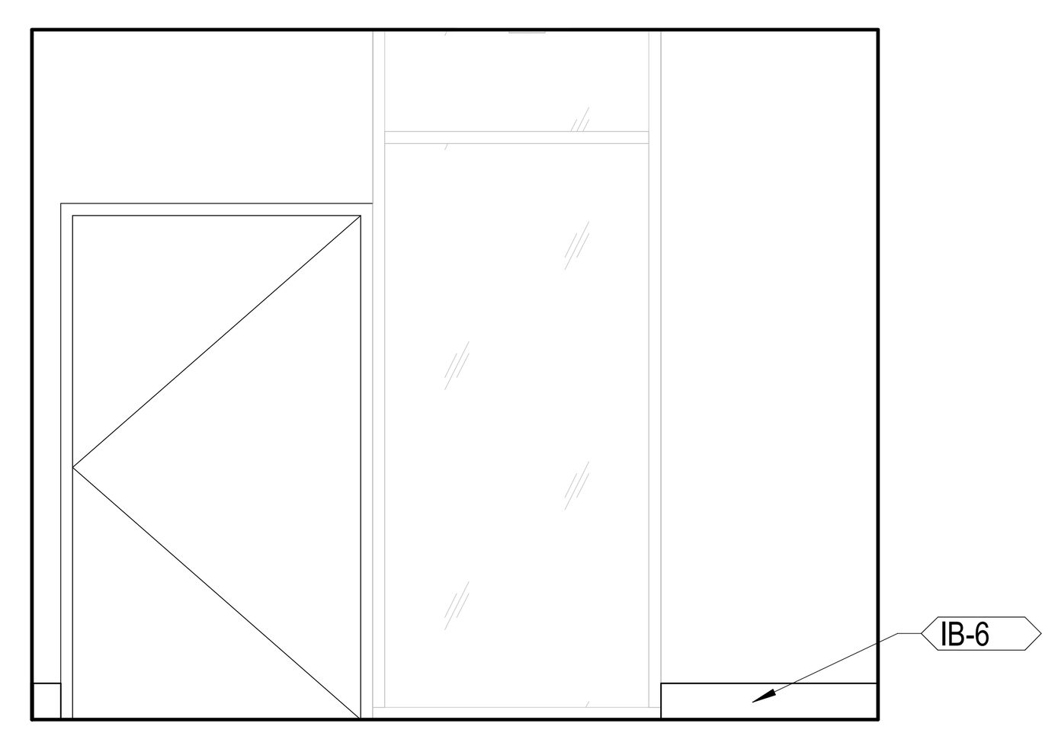
#	DESCRIPTION



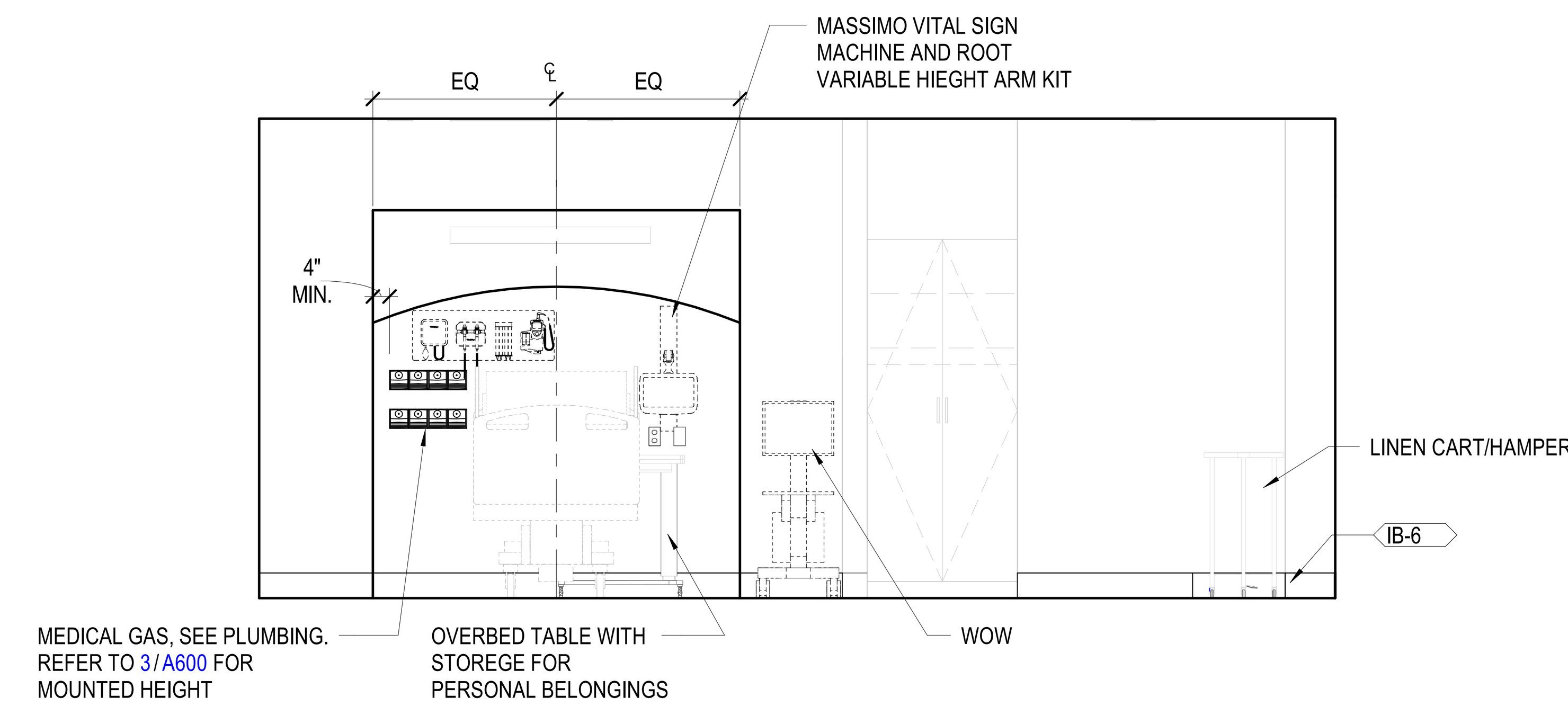
1 337 IMC PATIENT ROOM - ENLARGED FLOOR PLAN
3/8" = 1'-0"



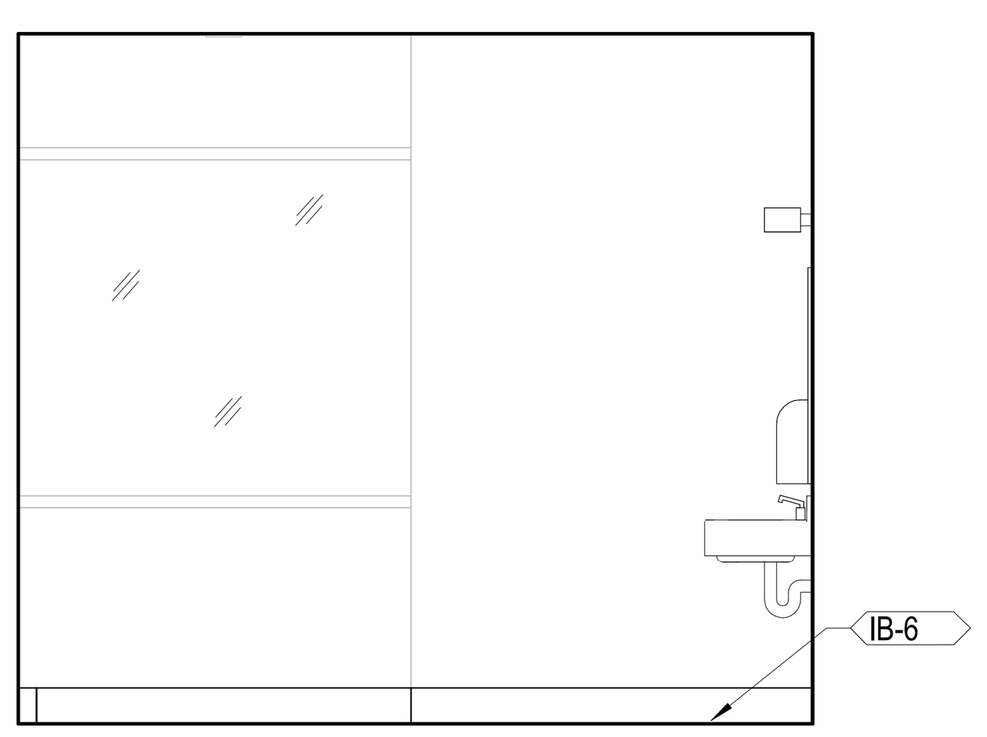
2 337 IMC PATIENT ROOM - NORTH
3/8" = 1'-0"



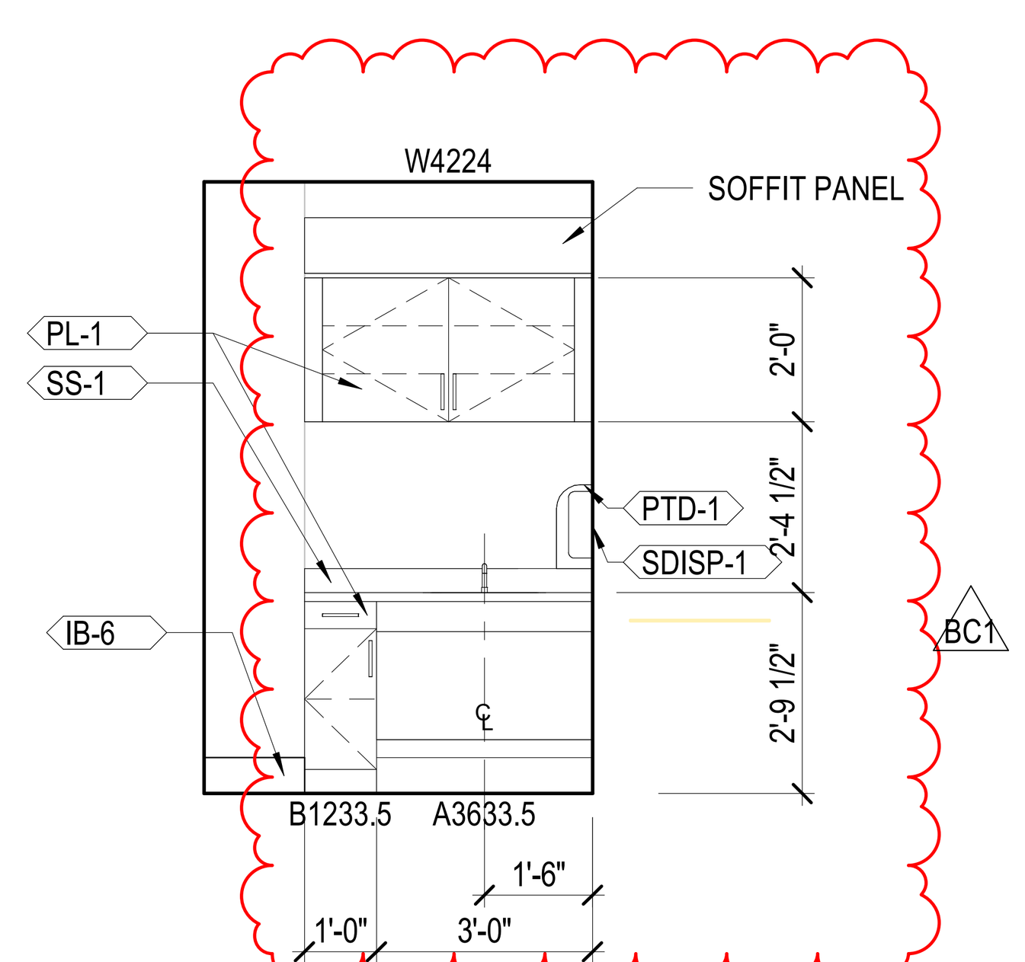
3 337 IMC PATIENT ROOM - EAST
3/8" = 1'-0"



4 337 IMC PATIENT ROOM - SOUTH
3/8" = 1'-0"



5 337 IMC PATIENT ROOM - WEST
3/8" = 1'-0"



6 337B - ANTE RM - SOUTH
3/8" = 1'-0"

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INTERIOR DESIGNER
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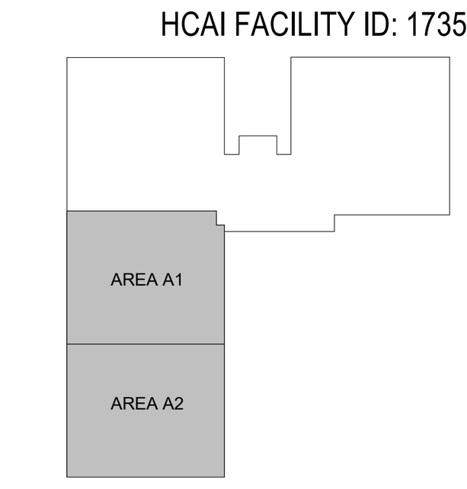
MEDICAL SURGERY DEPARTMENT LEVEL 3

1441 CONSTITUTION BOULEVARD
SALINAS, CA 93906

HCAI RECORD NUMBER: S240593-27-00
HCAI FACILITY ID: 17353



KEYPLAN

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
4/9/2025, 1:09:36 PM
S240593-27-00
Russell Rocker

HCAI APPROVAL

LICENSED ARCHITECT
ANNA R. KEMPF
C-29256
JUNE 30, 2025
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STATE OF CALIFORNIA

AGENCY APPROVAL

NO	DESCRIPTION	DATE
BC1	BACKCHECK#1	12/13/2024

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

ENLARGED IMC PATIENT ROOM PLAN & ELEVATIONS

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

A623

CONSTRUCTION DOCUMENT

Author 12/15/2024 7:50:30 PM Autodesk Docs://Natividad Med Surg 3 Unit - 3707-016-00/A22- Natividad Med Surg 3 Unit - 3707-016-00.rvt

GENERAL NOTES - INTERIOR ELEVATIONS

A. SEE SHEET A011 FOR MATERIAL IDENTIFICATION CODES.
B. SEE SHEETS A600-A601 FOR TYPICAL MOUNTING HEIGHTS, TYP UNO.
C. SEE SHEET A640 FOR TYP CASEWORK DETAILS AND FINISHES UNO IN ELEVATION.
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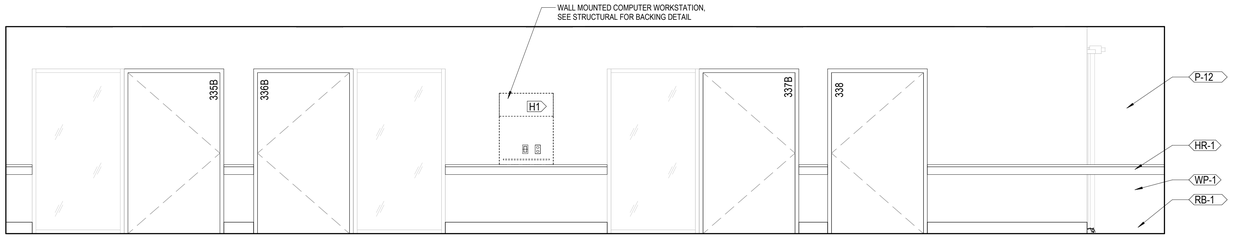
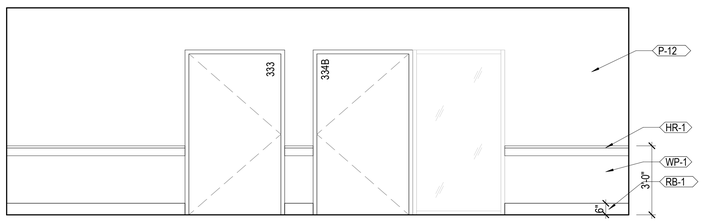
KEYNOTES

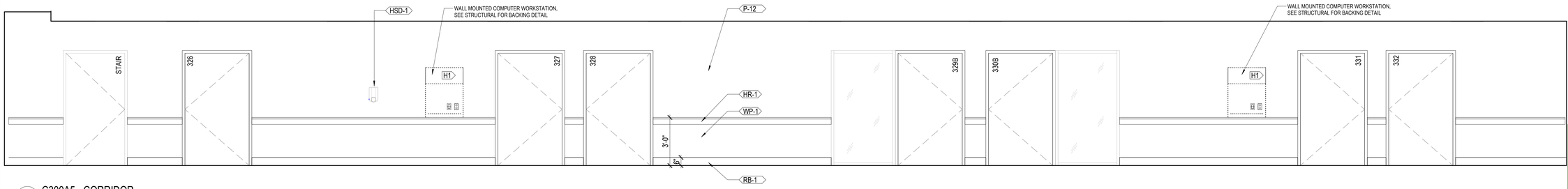
#	DESCRIPTION
H1	WALL MOUNTED COMPUTER WORKSTATION (PROXIMITY CABINETS): HEIGHT TO KEYBOARD TRAY IS 39" AFF.



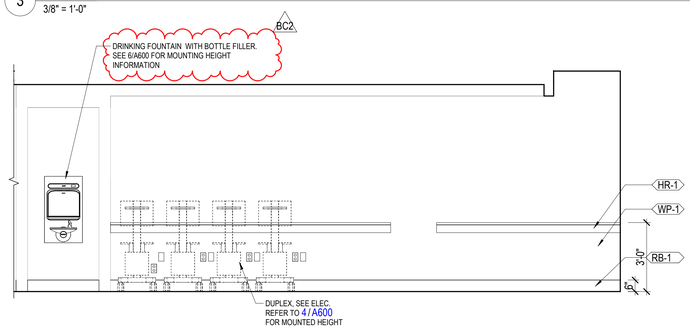
1 C300A1 - CORRIDOR
3/8" = 1'-0"



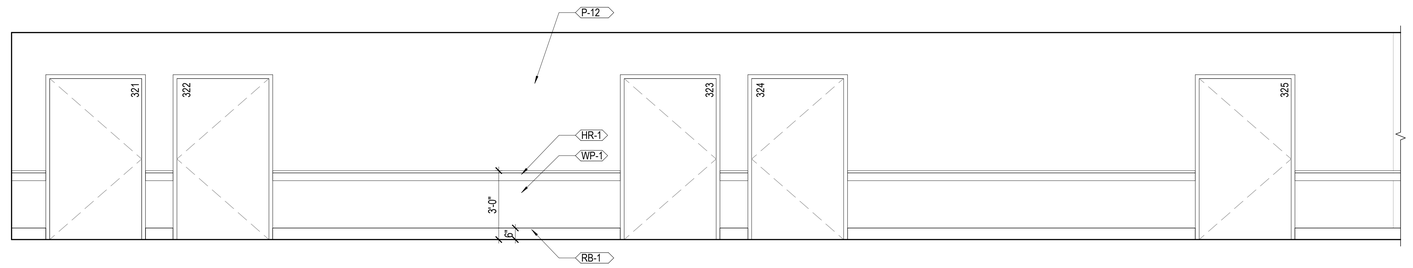
2 C300A7 - CORRIDOR
3/8" = 1'-0"



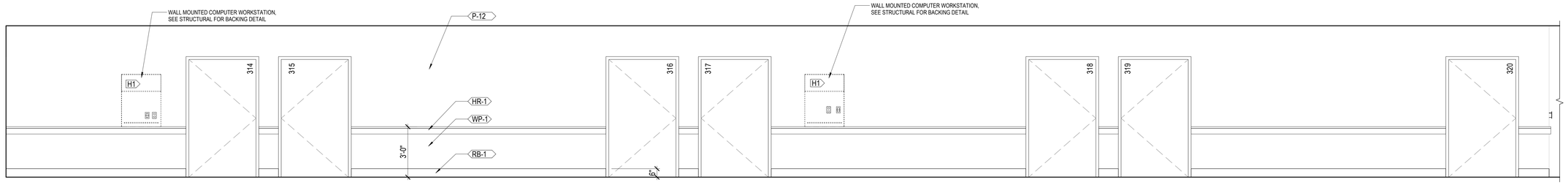
3 C300A5 - CORRIDOR
3/8" = 1'-0"



4 CORRIDOR #2 - EAST
3/8" = 1'-0"



5 C300A4 - CORRIDOR
3/8" = 1'-0"



6 C300A3 - CORRIDOR
3/8" = 1'-0"

HGA
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STRUCTURAL ENGINEER
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MECHANICAL/PLUMBING ENGINEER
GLUMAC
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SUITE 2050,
SAN FRANCISCO, CA 94104
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ELECTRICAL ENGINEER
INT-ELECT ENGINEERING
1487 FINCH LANE, GILROY, CA
95020
408.846.7171

INTERIOR DESIGNER
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DENVER, CO. 80203
303.433.9500

Natividad MEDICAL CENTER

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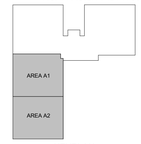
MEDICAL SURGERY DEPARTMENT LEVEL 3

1441 CONSTITUTION BOULEVARD
SALINAS, CA 93906

HCAI RECORD NUMBER:
S240593-27-00
HCAI FACILITY ID: 17353



KEYPLAN

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
4/9/2025, 1:09:36 PM
S2405(03-27-00
Russell Rocker

HCAI APPROVAL

LICENSED ARCHITECT
ANNA R. KEMPF
C-39256
JUNE 30, 2025
RENEWAL
STATE OF CALIFORNIA

AGENCY APPROVAL

△NO	DESCRIPTION	DATE
BC1	BACKCHECK#1	12/13/2024
BC2	BACKCHECK#2	03/14/2025

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

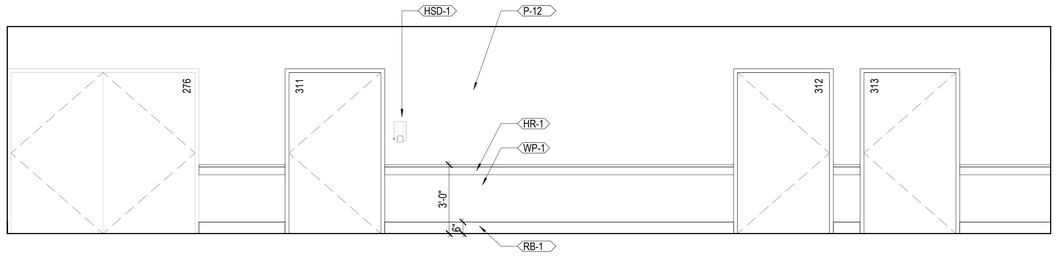
INTERIOR ELEVATIONS

DATE: APRIL 16, 2024

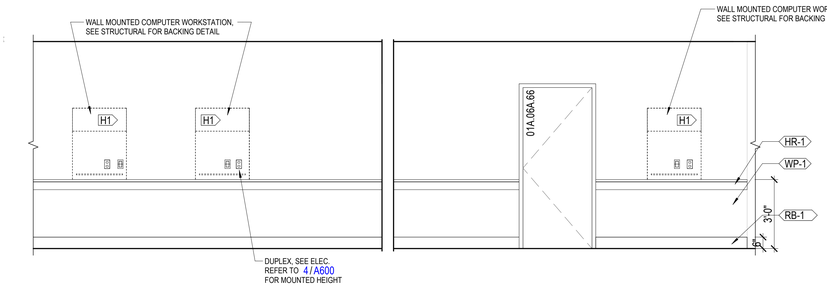
CONSTRUCTION DOCUMENTS

A624

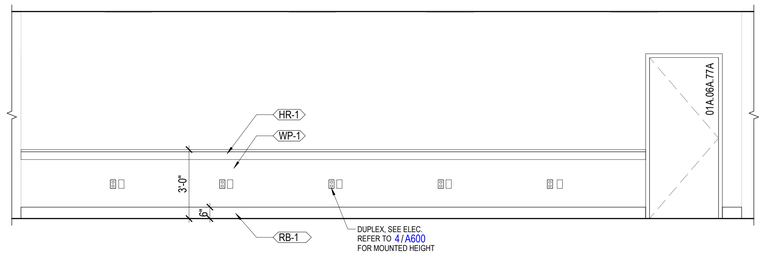
CONSTRUCTION DOCUMENT



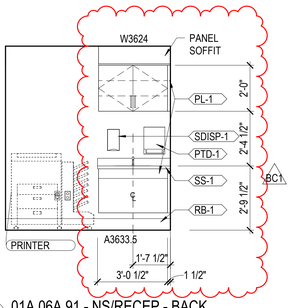
1 C300A2 - CORRIDOR
3/8" = 1'-0"



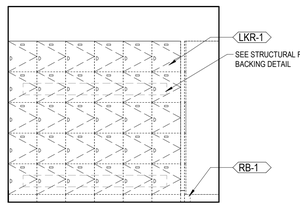
2 C300A8 - CORRIDOR
3/8" = 1'-0"



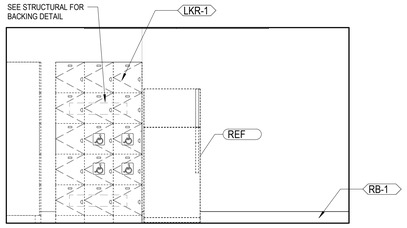
3 C300A6 - CORRIDOR
3/8" = 1'-0"



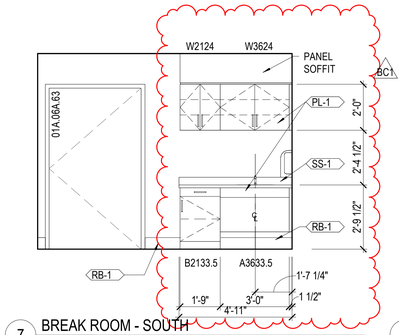
4 01A.06A.91 - NS/RECEP - BACK
3/8" = 1'-0"



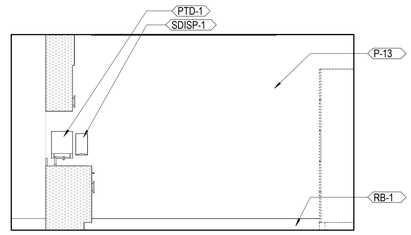
5 BREAK ROOM - NORTH
3/8" = 1'-0"



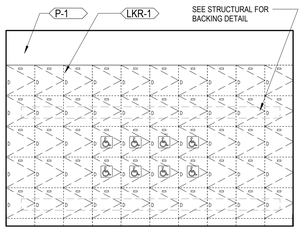
6 BREAK ROOM - EAST
3/8" = 1'-0"



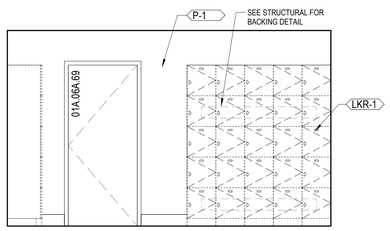
7 BREAK ROOM - SOUTH
3/8" = 1'-0"



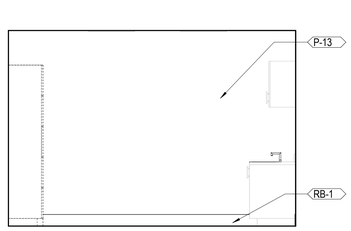
8 BREAK ROOM - WEST
3/8" = 1'-0"



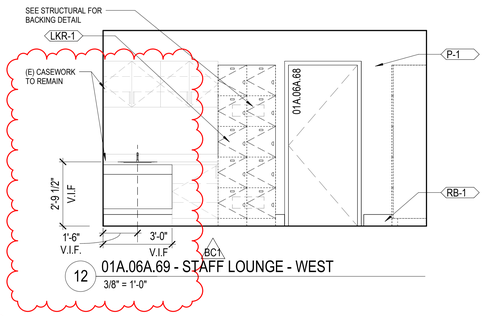
9 01A.06A.69 - STAFF LOUNGE - NORTH
3/8" = 1'-0"



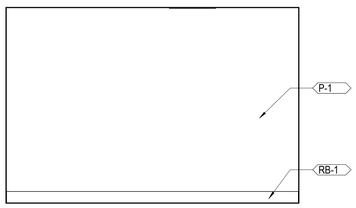
10 01A.06A.69 - STAFF LOUNGE - EAST
3/8" = 1'-0"



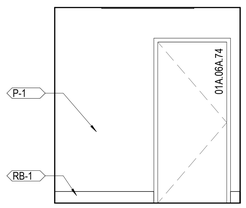
11 01A.06A.69 - STAFF LOUNGE - SOUTH
3/8" = 1'-0"



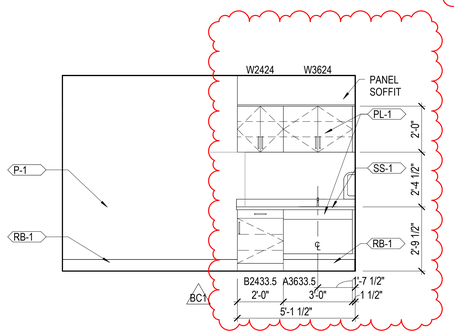
12 01A.06A.69 - STAFF LOUNGE - WEST
3/8" = 1'-0"



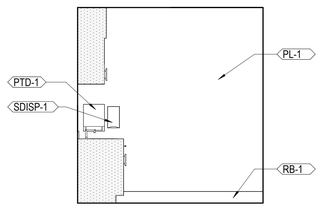
13 CLEAN UTILITY - NORTH
3/8" = 1'-0"



14 CLEAN UTILITY - EAST
3/8" = 1'-0"



15 CLEAN UTILITY - SOUTH
3/8" = 1'-0"



16 CLEAN UTILITY - WEST
3/8" = 1'-0"

GENERAL NOTES - INTERIOR ELEVATIONS

A. SEE SHEET A011 FOR MATERIAL IDENTIFICATION CODES.
B. SEE SHEETS A600-A601 FOR TYPICAL MOUNTING HEIGHTS, TYP UNO.
C. SEE SHEET A640 FOR TYP CASEWORK DETAILS AND FINISHES UNO IN ELEVATION.
D. SEE SHEETS I104-I105 FOR WALL PROTECTION TYPES.
E. REFER TO MEDICAL EQUIPMENT LISTS FOR DETAILED INFORMATION AND REQUIREMENTS RELATED TO EQUIPMENT.

KEYNOTES

#	DESCRIPTION
H1	WALL MOUNTED COMPUTER WORKSTATION (PROXIMITY CABINETS): HEIGHT TO KEYBOARD TRAY IS 39" AFF.

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222 Sutter Street, Suite 500
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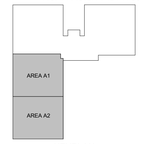
MEDICAL SURGERY DEPARTMENT LEVEL 3

1441 CONSTITUTION BOULEVARD
SALINAS, CA 93906

HCAI RECORD NUMBER: S240593-27-00
HCAI FACILITY ID: 17353



KEYPLAN

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APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
4/3/2025, 1:09:36 PM
S240593-27-00
Russell Rocker

HCAI APPROVAL

LICENSED ARCHITECT
ANNA R. KEMPF
C-39256
JUNE 30, 2026
RENEWAL DATE
STATE OF CALIFORNIA

AGENCY APPROVAL

NO	DESCRIPTION	DATE
BC1	BACKCHECK#1	12/13/2024

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

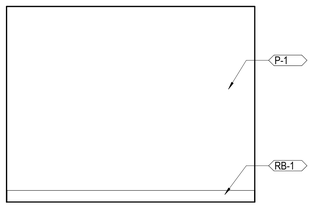
INTERIOR ELEVATIONS

DATE: APRIL 16, 2024

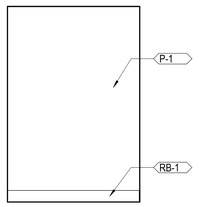
CONSTRUCTION DOCUMENTS

A625

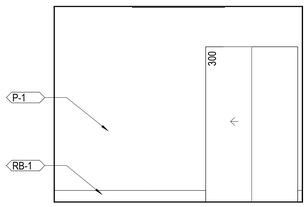
CONSTRUCTION DOCUMENT



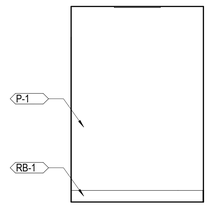
1 OFFICE - NORTH
3/8" = 1'-0"



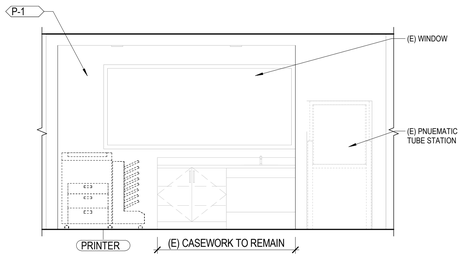
2 OFFICE - EAST
3/8" = 1'-0"



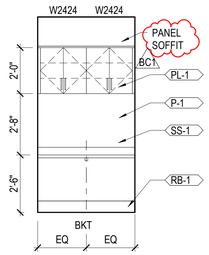
3 OFFICE - SOUTH
3/8" = 1'-0"



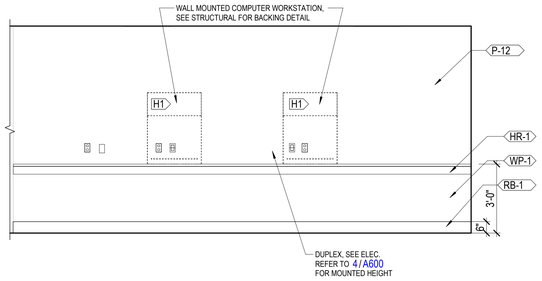
4 OFFICE - WEST
3/8" = 1'-0"



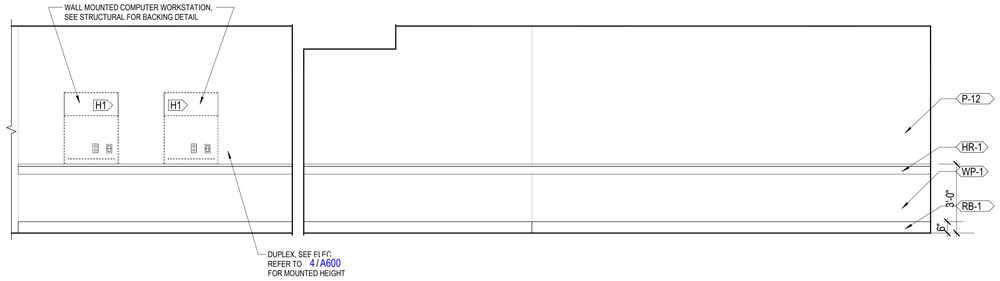
5 NURSE STATION - BACK
3/8" = 1'-0"



6 NURSE STATION - EAST
3/8" = 1'-0"



7 C300A4 CORRIDOR - NORTH
3/8" = 1'-0"



8 C300A1 CORRIDOR - NORTH
3/8" = 1'-0"

GENERAL NOTES - INTERIOR ELEVATIONS

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E. REFER TO MEDICAL EQUIPMENT LISTS FOR DETAILED INFORMATION AND REQUIREMENTS RELATED TO EQUIPMENT.

KEYNOTES

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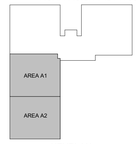

KEYPLAN

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Department of Health Care Access and Information
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JUNE 30, 2025
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NO	DESCRIPTION	DATE
BC1	BACKCHECK#1	12/13/2024

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

INTERIOR ELEVATIONS

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

A626

CONSTRUCTION DOCUMENT

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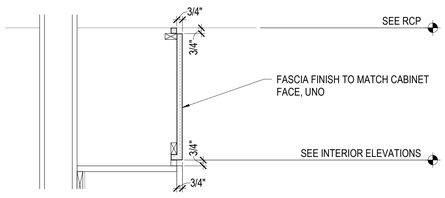
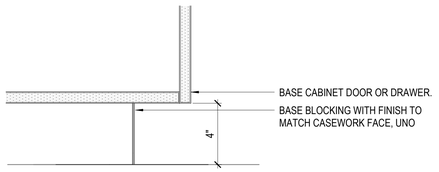
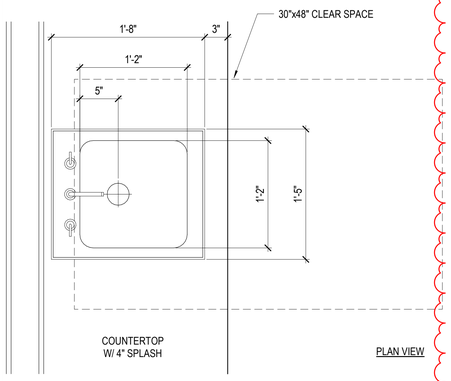


1 FASCIA - CLOSURE PANEL WITH OVERHANG
1 1/2" = 1'-0"

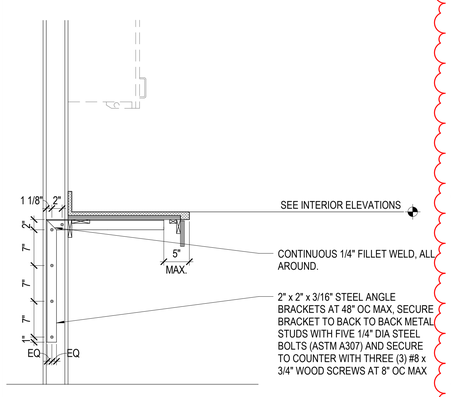


6 RECESSED TOE KICK - STANDARD (4")
3" = 1'-0"

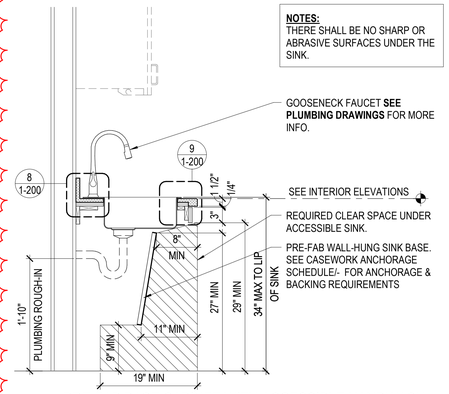
BC1



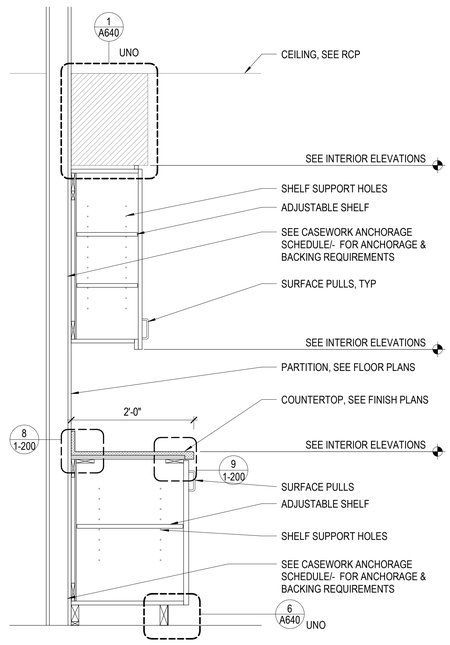
7 BASE SINK - ACCESSIBLE COUNTER PLAN
1 1/2" = 1'-0"



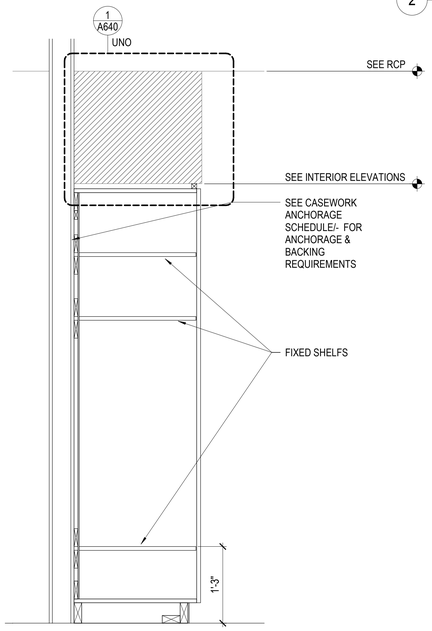
9 SUPPORT BRACKET - BASE CABINET (SQUARE)
1" = 1'-0"



8 PRE-FAB BASE CABINET WITH ACCESSIBLE HANDWASH SINK
1" = 1'-0"



11 TYPICAL PRE-FAB CASEWORK SECTION
1" = 1'-0"



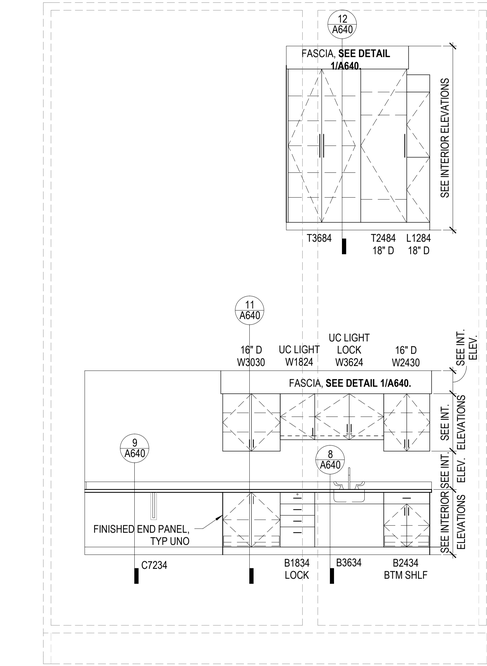
12 PRE-FAB TALL CABINET
1" = 1'-0"

CASEWORK ANCHORAGE SCHEDULE							
Type	Depth	Width	Midmark Tag	*OPM	OPM Part No.	Backing Detail	Comments
A3033.5	2' - 0"	2' - 6"	BL00	OPM-0202-13	027-1948-04	ST5.00/A663.3	
A3633.5	2' - 0"	3' - 0"	BL00	OPM-0202-13	027-1948-05	ST5.00/A663.3	
B1233.5	2' - 0"	1' - 0"	BQ05	OPM-0201-13	027-1946-36	ST5.00/A663.3	
B2133.5	2' - 0"	1' - 9"	BQ06	OPM-0201-13	027-1946-39	ST5.00/A663.3	
B2433.5	2' - 0"	2' - 0"	BQ07	OPM-0201-13	02-1946-40	ST5.00/A663.3	
T1884	2' - 0"	1' - 6"	TA99	OPM-0220-13	027-1947-20	ST5.00/A663.3	
W2124	1' - 1 205/256"	1' - 9"	OA22	OPM-0224-13	027-1941-12	ST5.00/A663.3	
W2424	1' - 1 205/256"	2' - 0"	OA23	OPM-0224-13	027-1941-13	ST5.00/A663.3	
W3024	1' - 1 205/256"	2' - 6"	OA23	OPM-0224-13	027-1941-14	ST5.00/A663.3	
W3624	1' - 1 205/256"	3' - 0"	OA23	OPM-0224-13	027-1941-15	ST5.00/A663.3	
W4224	1' - 1 205/256"	3' - 6"	OA23	OPM-0224-13	027-1941-16	ST5.00/A663.3	

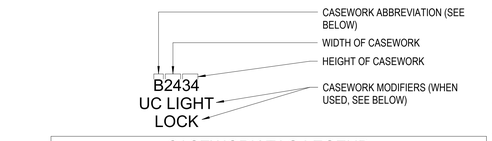
*NOTE: ALL OPMS ARE LOCATED IN APPENDIX B OF THE PROJECT MANUAL

GENERAL NOTES - CASEWORK

A. NOT ALL ITEMS SHOWN ARE NECESSARILY USED
B. BASE CABINET SHALL BE PL-1 UNLESS NOTED OTHERWISE IN SCHEDULE
C. COUNTERTOP SHALL BE SS-1 UNLESS NOTED OTHERWISE IN SCHEDULE
D. UPPER CABINETS SHALL BE PL-1 UNLESS NOTED OTHERWISE IN SCHEDULE
E. ALL CASEWORK TO BE ANCHORED TO BACKING PLATES. SEE CASEWORK ANCHORAGE SCHEDULE ON THIS SHEET FOR ANCHORAGE/BACKING INFORMATION.
F. ALL BASE CABINETS, WALL CABINETS AND TALL STORAGE CABINETS SHALL HAVE FINISH PANELS AT EXPOSED ENDS TO MATCH THE VERTICAL CABINET FINISH, UNLESS NOTED OTHERWISE.
G. CABINET BASE AT FLOOR TO HAVE FINISH AS INDICATED FOR ROOM OR AS DETAILED. REFER TO ROOM FINISH SCHEDULE.
H. CABINET FACE TYPES SHALL BE FLUSH OVERLAY, UNLESS NOTED OTHERWISE.
I. SIDE BY SIDE UPPER CABINETS WITH UNDER CABINET LIGHTING SHALL NOT HAVE INTERMEDIATE SUPPORT OR OTHER OBSTRUCTIONS THAT INTERFERE WITH LIGHTING
J. METAL BRACKETS, WHERE REQUIRED TO SUPPORT COUNTERTOPS, SHALL BE NOT LESS THAN 2'-8" OR GREATER THAN 4'-0" ON-CENTER AND 6" ON-CENTER MAXIMUM FROM OPEN END. ATTACH TO STUD OR BACKER AS INDICATED ON SHEET A640 UNLESS NOTED OTHERWISE.
K. MINIMIZE OPEN JOINTS IN COUNTERTOPS. SEAL ANY OPEN JOINTS WITH APPROVED SILICONE.
L. EXISTING AND/OR NEW APPLIANCES AND FIXTURE SHALL BE VERIFIED FOR DIMENSIONS AND CLEARANCES PRIOR TO CASEWORK FABRICATION. COORDINATE WITH ARCHITECT AS NECESSARY.
M. PROVIDE A GROMMET AT EACH LOCATION WHERE POWER OR SIGNAL DEVICES OCCUR BELOW A COUNTERTOP AND VERIFY LOCATIONS WITH OWNER AND CONFIRM WITH ARCHITECT, UNLESS NOTED OTHERWISE.



2 TYPICAL ARCHITECTURAL CASEWORK ELEVATIONS1
3/8" = 1'-0"



CASEWORK TAG LEGEND

ABBREVIATION	DEFINITION
A	SINK APRON (8/A640)
B	BASE CABINET (11/A640)
C	WORK COUNTER
L	NOT USED
S	NOT USED
T	TALL BASE CABINET (12/A640)
W	WALL CABINET (11/A640)
MODIFIER	**DEFINITION**
16" D, 30" D, ETC	DEPTH IF OTHER THAN TYPICAL (2'-0" FOR BASE, 1'-1" FOR WALL)
BKT	BRACKET AT 4'-0" OC MAX (SEE DETAIL9/A640)
BTM SHLF	NOT USED
FILE	DRAWERS TO BE FILE CABINETS
LOCK	PROVIDE LOCK
SLIDE	NOT USED
UC LIGHT	UNDERCABINET LIGHT FIXTURE

14 CASEWORK TAG AND MODIFIERS
1/2" = 1'-0"

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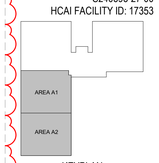
HCAI RECORD NUMBER:
S240593-27-00
HCAI FACILITY ID: 17353



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HCAI APPROVAL

LICENSED ARCHITECT
ANNA R. KEMPF
C-39255
JUNE 30, 2026
RENEWAL DATE
STATE OF CALIFORNIA

AGENCY APPROVAL

NO	DESCRIPTION	DATE
BC1	BACKCHECK#1	12/13/2024

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

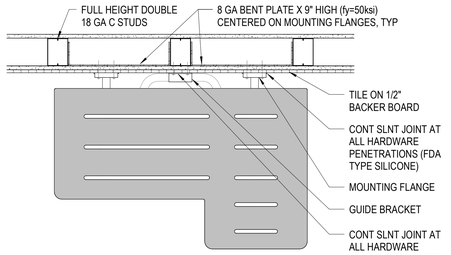
TYPICAL CASEWORK DETAILS AND GENERAL NOTES

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

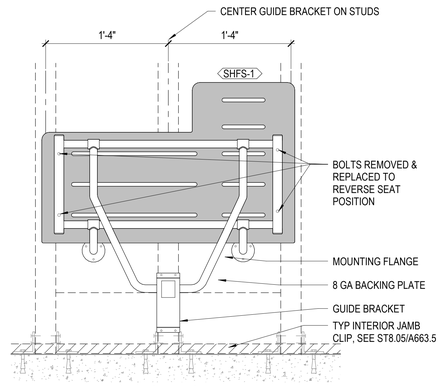
A640

CONSTRUCTION DOCUMENT

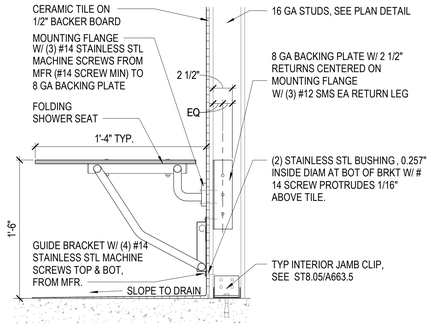


NOTE: SHOWER SEAT, MOUNTING PLATES AND FASTENERS SHALL BE ABLE TO WITHSTAND THE APPLICATION OF A 250 LB. POINT LOAD PER **CBC SECTION 11B-610.4.**

PLAN VIEW



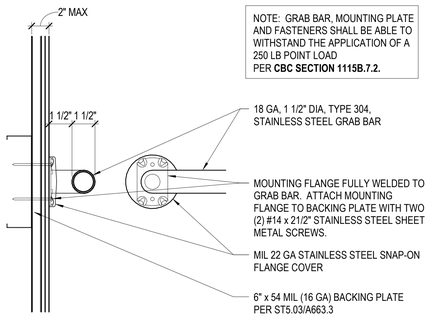
"FOLDED SEAT" FRONT VIEW



SECTION VIEW

1 SHOWER SEAT - COMPACT FOLDING

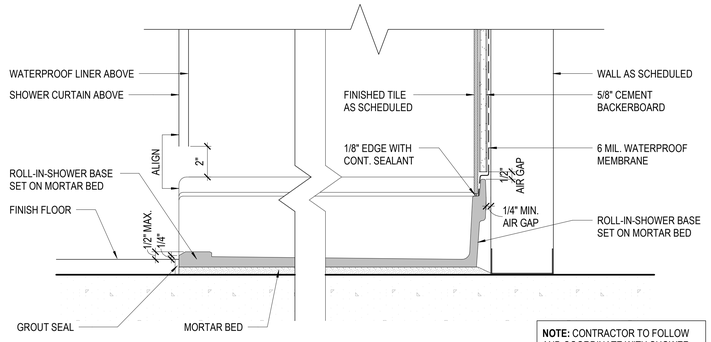
1 1/2" = 1'-0"



NOTE: GRAB BAR, MOUNTING PLATE AND FASTENERS SHALL BE ABLE TO WITHSTAND THE APPLICATION OF A 250 LB POINT LOAD PER **CBC SECTION 1115B.7.2.**

3 ACCESSIBLE GRAB BAR - ATTACHMENT AT WALL

3" = 1'-0"



NOTE: CONTRACTOR TO FOLLOW AND COORDINATE WITH SHOWER RECEPTOR/BASE MANUFACTORER FOR INSTALLATION REQUIREMENTS

2 ROLL-IN SHOWER PAN DETAIL

3" = 1'-0"

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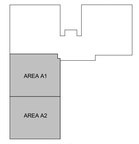

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ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

TOILET/SHOWER DETAILS

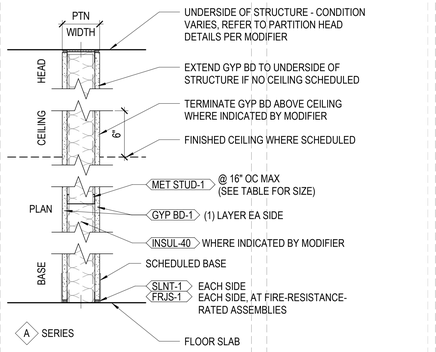
DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

A650

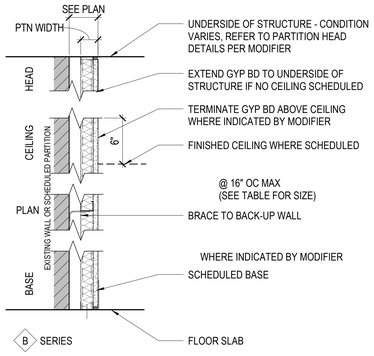
CONSTRUCTION DOCUMENT

Author 4/29/2024 9:05:03 AM Autodesk Docs://Natividad Med Surg 3 Units - 3707-016-00/A29 Natividad Med Surg 3 Units - 3707-016-00.rvt



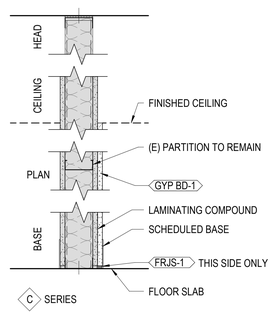
PTN TYPE	STUD WIDTH	PTN WIDTH	DESIGN STC	AVAILABLE FIRE RESISTANCE
A2	2 1/2"	3 3/4"		1 HOUR (UL U448)
A3	3 5/8"	4 7/8"	STC 37 (USGB10518)	1 HOUR (UL U465)
A4	4"	5 1/4"		
A6	6"	7 1/4"	STC 36 (USGB01036)	
A8	8"	9 1/4"		

A INTERIOR PARTITION TYPE - A SERIES
1 1/2" = 1'-0"



PTN TYPE	STUD WIDTH	PTN WIDTH	DESIGN STC	AVAILABLE FIRE RESISTANCE
	1 5/8"	2 1/4"		
	2 1/2"	3 1/8"		
	3 5/8"	4 1/4"		
	4"	4 5/8"		
	6"	6 5/8"		

B INTERIOR PARTITION TYPE - B SERIES
1 1/2" = 1'-0"



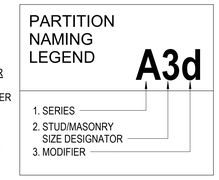
PTN TYPE	STUD WIDTH	PTN WIDTH	DESIGN STC	AVAILABLE FIRE RESISTANCE
CEa	(E)	(E)		1 HOUR (UL V497)

C INTERIOR PARTITION TYPE - C SERIES
1 1/2" = 1'-0"

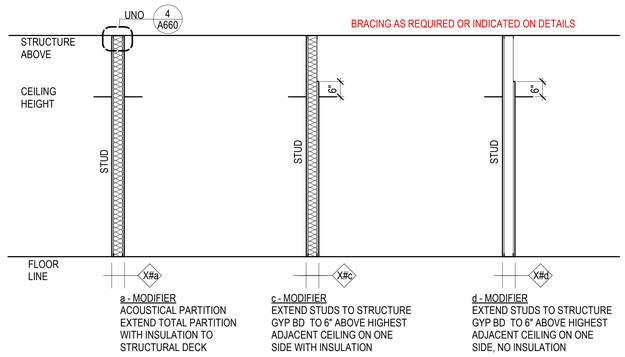
1. SERIES
THIS CHARACTER DENOTES THE ASSEMBLY SERIES TO WHICH THE WALL BELONGS.

2. METAL STUD/MASONRY UNIT SIZE DESIGNATOR
THIS CHARACTER DENOTES THE STUD OR FURRING WIDTH. FOR MASONRY, THIS CHARACTER INDICATES NOMINAL UNIT WIDTH.

3. MODIFIER
THIS CHARACTER DENOTES MODIFICATION(S) TO THE SERIES ASSEMBLY.



1 PARTITION NAMING LEGEND

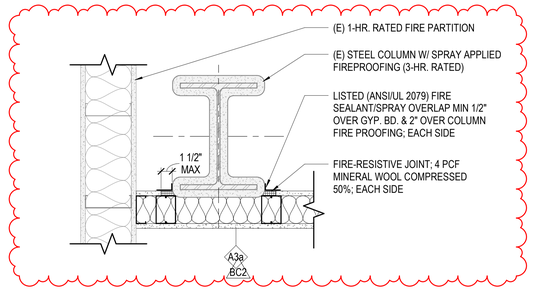


a - MODIFIER
ACOUSTICAL PARTITION EXTEND TOTAL PARTITION WITH INSULATION TO STRUCTURAL DECK

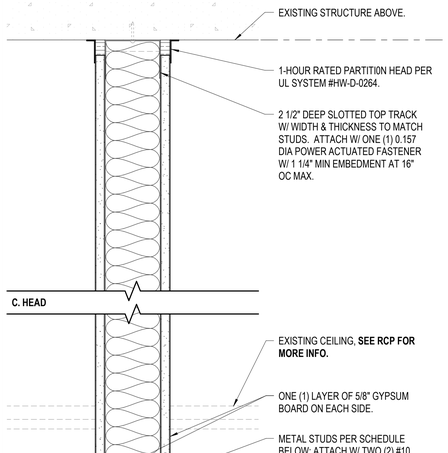
c - MODIFIER
EXTEND STUDS TO STRUCTURE GYP BD TO 6" ABOVE HIGHEST ADJACENT CEILING ON ONE SIDE WITH INSULATION

d - MODIFIER
EXTEND STUDS TO STRUCTURE GYP BD TO 6" ABOVE HIGHEST ADJACENT CEILING ON ONE SIDE, NO INSULATION

2 INTERIOR PARTITION MODIFIER KEY
1/2" = 1'-0"



8 PARTITION AT COLUMNS
1 1/2" = 1'-0"

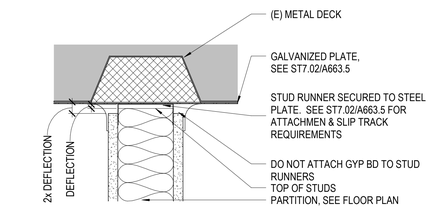


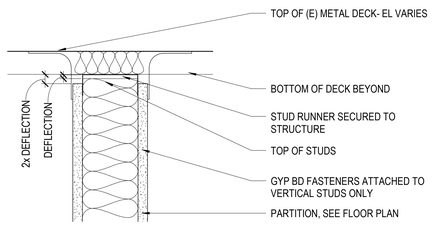
1-HOUR RATED, TEMPORARY CONSTRUCTION BARRIER (OSHPD)

WALL TYPE	STUD SIZE	TOTAL WIDTH	STC RATING	ACOUSTIC REQ'S	MAX SPAN @ L/240, 5 PSF
-	362S137-33	4 7/8"	37-43	YES	16'-0"

UL DESIGN #U419

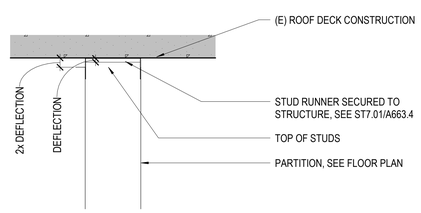
3 1-HR RATED, FULL HEIGHT, TEMP CONSTRUCTION BARRIER @ CONCRETE SLAB (OSHPD)
3" = 1'-0"

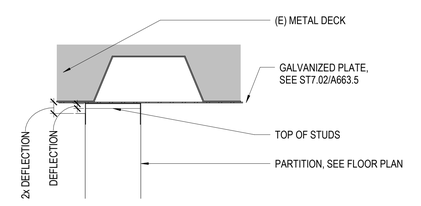


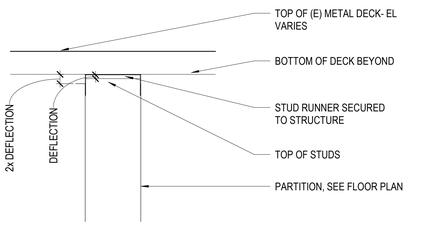


NOTE: REFER TO FLOOR PLANS FOR PARTITION TYPES

4 GYPSUM BOARD PARTITION HEAD DETAILS - RATED
3" = 1'-0" UL LISTING: HW-D-0045

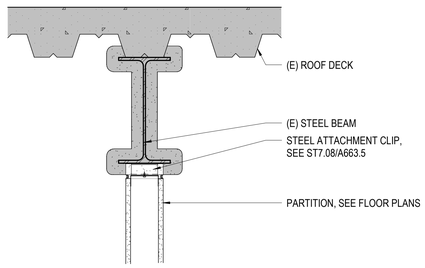




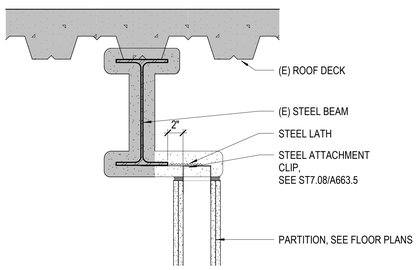


NOTE: REFER TO FLOOR PLANS FOR PARTITION TYPES

5 GYPSUM BOARD PARTITION HEAD DETAILS - NON RATED
3" = 1'-0"



6 HEAD CONNECTION AT STEEL BEAM
1 1/2" = 1'-0" UL LISTING: HW-D-0529



7 OFFSET HEAD CONNECTION AT STEEL BEAM
1 1/2" = 1'-0" UL LISTING: HW-D-0388

GENERAL NOTES - INTERIOR PARTIONS

1. MINIMUM SOUND TRANSMISSION CLASS (STC) VALUES INDICATED ARE BASED ON PARTITION TYPE WITH "A" MODIFIER; WHERE PARTITION ASSEMBLY EXTENDS TO DECK WITH ACOUSTIC INSULATION FILLING SPACE BETWEEN FRAMING FOR FULL HEIGHT OF PARTITION.
2. PROVIDE ACOUSTICAL SEALANT AND SOUND ATTENUATION BLANKETS AT STC-RATED PARTITIONS.
3. FLOOR PLAN DIMENSIONS ARE TO FACE OF SCHEDULED PARTITION ASSEMBLY EXCLUSIVE OF APPLIED FINISHES, UNLESS NOTED OTHERWISE.
4. "CLEAR", "HOLD" OR "FACE OF FINISH" DIMENSIONS INDICATE MINIMUM CLEARANCE REQUIRED BETWEEN SCHEDULED PARTITIONS WITH APPLIED FINISHES.
5. PARTITION TYPES INDICATE GENERAL INTERIOR PARTITION REQUIREMENTS. REFER TO OTHER CONTRACT DOCUMENTS FOR ADDITIONAL REQUIREMENTS RELATED TO INTERIOR PARTITION CONSTRUCTION AND PERFORMANCE REQUIREMENTS.
6. PARTITION TYPES INDICATED REFLECT TYPICAL CONDITIONS. REFER TO REFERENCED DETAILS FOR SPECIFIC PARTITION DETAILS.
7. PROVIDE PENETRATION FIRESTOPPING AND JOINT FIRESTOPPING AS SCHEDULED AND AS REQUIRED TO MAINTAIN CONTINUITY OF FIRE-RESISTANCE RATINGS OF ASSEMBLIES.
8. FIRE-RESISTANCE RATINGS AND ACOUSTICAL PERFORMANCE REQUIREMENTS INDICATED ARE BASED ON SPECIFIED PRODUCTS AND SYSTEMS. FIRE-RESISTANCE RATINGS AND ACOUSTICAL PERFORMANCE REQUIREMENTS FOR SYSTEMS USING MATERIALS AND PRODUCTS OTHER THAN THOSE SPECIFIED MAY VARY.
9. PROVIDE MOISTURE- AND MOLD-RESISTANT GYPSUM BOARD AT THE FOLLOWING LOCATIONS, UNLESS NOTED OTHERWISE: PARTITIONS IN TOILET ROOMS OTHER THAN SHOWER WALLS, JANITOR'S CLOSETS, OTHER PARTITIONS TO RECEIVE CERAMIC AND STONE TILE, AND AS INDICATED.
10. PROVIDE CEMENTITIOUS BACKER BOARD AT PARTITIONS AROUND SHOWERS AND OTHER LOCATIONS AS INDICATED.
11. WHERE WALLS OR PARTITIONS OF UNEQUAL THICKNESS ABUT, ALIGN COPLANAR EXPOSED FINISH SURFACES.
12. REFER TO CONTROL JOINT DETAILS FOR REQUIREMENTS OF CONTROL JOINTS IN CONJUNCTION WITH TYPICLA PARTITIONS.

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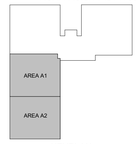

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BC2	BACKCHECK#2	03/14/2025

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

TYPICAL INTERIOR PARTITION TYPES

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

A660

CONSTRUCTION DOCUMENT

PLOT DATE: May 09, 2017

GENERAL NOTES

1. CONSTRUCTION, WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE 2013 CALIFORNIA BUILDING STANDARDS CODE (2013 CBSC).
2. THE CONTRACTOR SHALL NOTIFY OSHPD AND THE REGISTERED DESIGN PROFESSIONAL (RDP) IN RESPONSIBLE CHARGE WHERE A CONFLICT OR DISCREPANCY OCCURS BETWEEN THE OSHPD PRE-APPROVED DETAILS (OPD) 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 THE REQUIREMENTS OF THE 2013 CBSC.
3. THE INTENT OF THE OPD IS TO CONSTRUCT THE HOSPITAL BUILDING IN ACCORDANCE WITH THE 2013 CBSC. SHOULD ANY CONDITION DEVELOP NOT COVERED BY THE APPROVED PLANS AND SPECIFICATIONS WHEREIN THE WORK WILL NOT COMPLY WITH THE 2013 CBSC, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY OSHPD BEFORE PROCEEDING WITH THE WORK.
4. GALVANIZED METAL STUDS, TRACKS AND SHEET STEEL SHALL CONFORM TO ASTM A635-09a MATERIAL, OR OTHER EQUIVALENT ASTM LISTED MATERIALS IN SECTION A2.1 OF THE AISI S100-07/S2-10: NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, WITH SUPPLEMENT 2, DATED 2010, WITH A MINIMUM YIELD STRENGTH OF 33 KSI FOR 43 MIL (18 GAGE) AND LIGHTER AND MINIMUM YIELD STRENGTH OF 50 KSI FOR HEAVIER GAGES.
5. METAL STUDS AND TRACKS SHALL BE OF SIZE, THICKNESS AND SECTION PROPERTIES SHOWN ON TABLES I-1, I-2 AND I-3 OF THE AISI MANUAL, COLD FORMED STEEL DESIGN, 2008 EDITION. THE RDP IN RESPONSIBLE CHARGE SHALL OBTAIN OSHPD APPROVAL FOR ANY SUBSTITUTIONS.
6. THESE OPD REFER TO FASTENER TYPE AND SIZE BUT DO NOT SPECIFY OR ENDORSE A SPECIFIC MANUFACTURER. THE RDP IN RESPONSIBLE CHARGE SHALL SELECT A MANUFACTURER, AND SELECTED FASTENER CAPACITIES SHALL MATCH OR EXCEED THE ALLOWABLE STRENGTHS LISTED HEREIN. THE FOLLOWING REQUIREMENTS SHALL ALSO BE MET:
   A. SHEET METAL SCREWS SHALL COMPLY WITH ASTM C 1513-10, ASME B18.6.4-98 (R2005) AND ICC-ES AC 118 AND ALLOWABLE STRENGTH SHALL BE BASED ON INFORMATION PROVIDED IN ST1.07 AND ST1.08. PENETRATION OF SCREWS THROUGH JOINED MATERIAL SHALL NOT BE LESS THAN THREE EXPOSED THREADS.
   B. WELDING SHALL BE IN ACCORDANCE WITH AWS D1.3 USING E60XX SERIES ELECTRODES. ALL FIELD WELDING SHALL HAVE SPECIAL INSPECTION IN ACCORDANCE WITH 2013 CBC 1705A.2.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: GENERAL NOTES - PAGE 1 OF 3
OPD NO.: ST0.00

PLOT DATE: May 09, 2017

C. POST-INSTALLED ANCHORS (E.G. EXPANSION ANCHORS, SCREW ANCHORS, AND POWER-ACTUATED FASTENERS) SHALL HAVE SPECIAL INSPECTION AND TESTING IN ACCORDANCE WITH THE 2013 CBC SECTIONS 1705A.3 & 1913A.7. FOR QUALIFICATION, DESIGN AND USE OF POST-INSTALLED ANCHORS IN CONCRETE, SEE THE 2013 CBC SECTIONS 1616A.1.19 AND 1908A.1.1 LISTING OF CURRENT ICC-ES EVALUATION REPORTS (OR REPORTS FROM OTHER TESTING AGENCIES ACCEPTABLE TO OSHPD) SHALL BE REQUIRED FOR FASTENERS USED.

D. POWER-ACTUATED FASTENERS (PAF), POWDER DRIVEN FASTENERS (PDF), POWER DRIVEN PINS (PDP) AND SHOT PINS ALL REPRESENT THE SAME DEVICE AND WILL HEREAFTER BE REFERRED TO AS POWER ACTUATED FASTENERS (PAF). PAF SHALL SATISFY THE CURRENT AC70-ACCEPTANCE CRITERIA FOR FASTENERS POWER-DRIVEN INTO CONCRETE, STEEL AND MASONRY ELEMENTS AND THE 2013 CBC SECTION 1908A.1.1. LISTING OF CURRENT ICC-ES EVALUATION REPORTS (OR REPORTS FROM OTHER TESTING AGENCIES ACCEPTABLE TO OSHPD) SHALL BE REQUIRED FOR FASTENERS USED.

E. FOR PAF INSTALLED IN STEEL THE 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 ACCEPTABLE TO OSHPD.

7. DESIGN CRITERIA
   A. CODE: 2013 CALIFORNIA BUILDING STANDARDS CODE (2013 CBC), ASCE 7-10 WITH SUPPLEMENT #1, AISI S100-07/S2-10, AISI S211-07 WALL STUD DESIGN AND AISI S212-07 FOR HEADER DESIGN.
   B. LOAD COMBINATIONS: ALLOWABLE STRESS DESIGN IN ACCORDANCE WITH 2013 CBC SECTION 1605A.3.1.
   C. SYSTEM WEIGHTS:

   PARTITION WALLS = 7.5 PSF (INCLUDES METAL STUDS, TWO LAYERS OF GYP BOARD, TWO LAYERS ON ONE SIDE OR ONE LAYER ON BOTH SIDES, AND 1 PSF FOR INSULATION AND FINISHES)

   SOFFITS = 10 PSF (INCLUDES METAL STUDS, TWO LAYERS OF GYP BOARD, TWO LAYERS ON ONE SIDE OR ONE LAYER ON BOTH SIDES, AND 3.5 PSF FOR INSULATION, FINISHES AND MINOR FIXTURES)

   DOORS AND WINDOWS = 10 PSF

   CABINETS = 38 PCF (INCLUDES CONTENTS AT 33 PCF PER 2013 CBC TABLE 1607A.1 AND CABINET SELF WEIGHT OF 5 PCF)

   EQUIPMENT = 38 PCF (EQUIPMENT LOAD IS ASSUMED TO BE THE SAME AS CABINET LOAD)

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: GENERAL NOTES - PAGE 2 OF 3
OPD NO.: ST0.01

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D. SEISMIC COEFFICIENTS:

a_p = 1.0 (ASCE 7-10, TABLE 13.5-1, CEILINGS, PARTITIONS, CABINETS, ETC.)

R_p = 2.5 (ASCE 7-10, TABLE 13.5-1, CEILINGS, PARTITIONS, CABINETS, ETC.)

Ω_o = 2.5 (ASCE 7-10, TABLE 13.5-1, CEILINGS, PARTITIONS, CABINETS, ETC.)

Ip = 1.5 (ASCE 7-10, SECTION 13.1.3)

z/h = 1.0 (ALLOWS FOR INSTALLATION AT ANY FLOOR OR ROOF LEVEL OF THE BUILDING)

F_p = LARGER OF 5 PSF IN ACCORDANCE WITH 2013 CBC SECTION 1607A.14 OR SEISMIC DESIGN FORCE IN ACCORDANCE WITH ASCE 7-10 SECTION 13.3.1

$F_v = 0.2S_{DS}D$ (ASCE 7-10, SECTION 13.3.1), APPLIED CONCURRENTLY WITH F_p

ρ = 1.0 (ASCE 7-10, SECTION 13.3.1)

S_{DS} - WHERE LIMITING S_{DS} VALUES ARE NOT EXPLICITLY NOTED IN THE OPD, FRAMING SYSTEM OR COMPONENT SHOWN IN THE OPD HAS BEEN DESIGNED TO ACCOMMODATE ALL S_{DS} VALUES UP TO 1.95g. PROJECT SPECIFIC DESIGN IS REQUIRED FOR S_{DS} HIGHER THAN 1.95g.

E. DEFLECTION LIMIT = L/120 (2013 CBC TABLE 1604A.3, INTERIOR PARTITION WALLS WITH FLEXIBLE FINISHES). NOT PERMITTED FOR INTERIOR PARTITION WALLS WITH BRITTLE FINISHES.

F. FASTENER ALLOWABLE STRENGTH TABLES WERE DEVELOPED BASED ON ICC REPORTS BY MULTIPLE MANUFACTURERS.

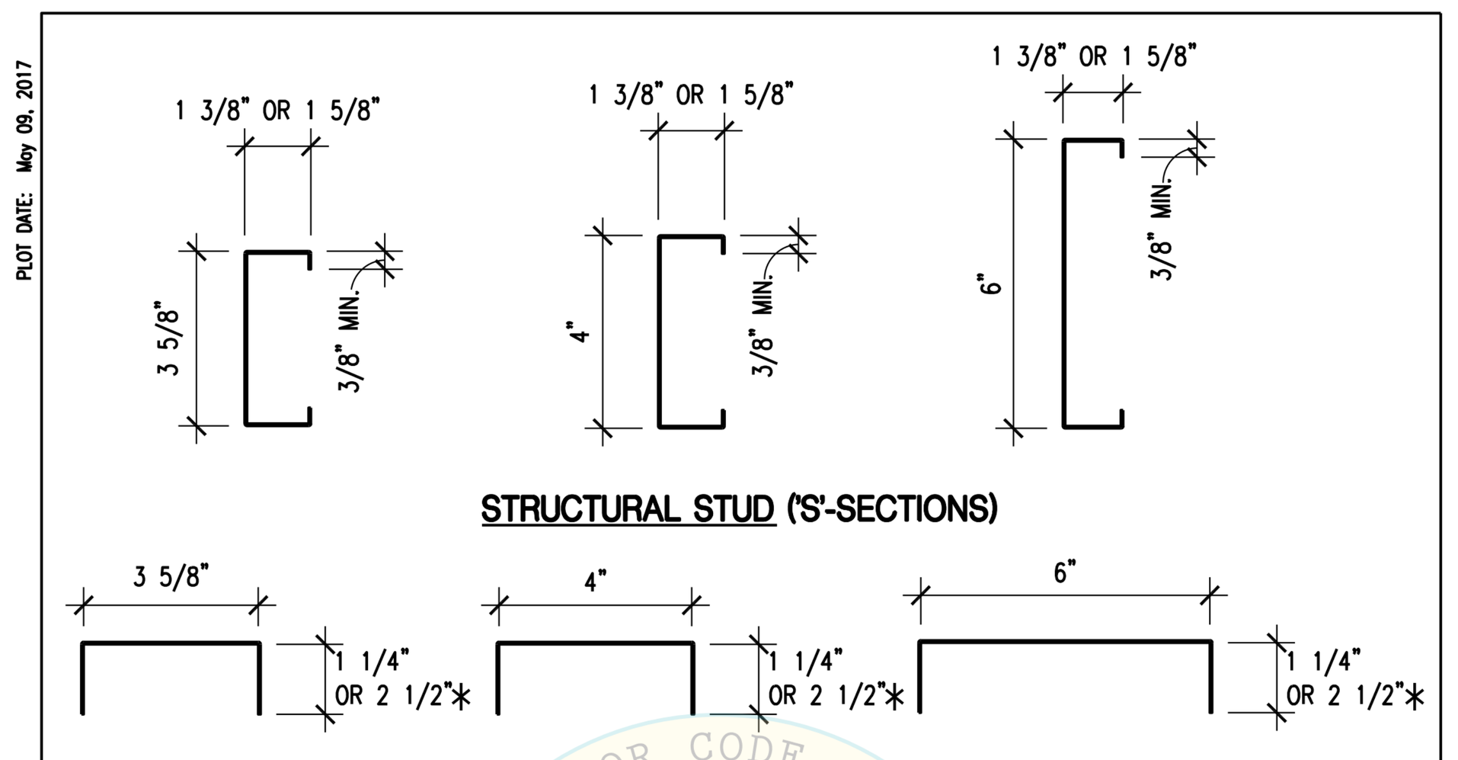
G. THE OPD DESIGN ASSUMES THAT STRUCTURAL ELEMENTS AND SUPPORTS TO WHICH THE COMPONENTS ARE ANCHORED HAVE SUFFICIENT CAPACITY TO CARRY THE LOADS IMPOSED BY THE COMPONENTS IN COMBINATION WITH ALL OTHER LOADS. EVALUATION OF THE CAPACITY OF THESE SUPPORTING STRUCTURAL ELEMENTS IS BEYOND THE SCOPE OF THE OPD.

H. LG BEAMER 8.10 SOFTWARE WAS USED FOR STUD CAPACITY CHECK. THIS SOFTWARE USES AISI S100-07/S2-10 AS THE BASIS FOR SECTION PROPERTY CALCULATIONS AND INTERACTION CHECKS.

8. THE RDP IN RESPONSIBLE CHARGE SHALL VERIFY FIRE RESISTIVE AND ACOUSTICAL RATINGS FOR ALL PARTITION WALL ASSEMBLIES.
9. INDIVIDUAL DETAILS WITHIN THIS OPD TYPICALLY RELY UPON OTHER DETAILS FOR INFORMATION ESSENTIAL TO THEIR APPLICATION. OPD ARE TO BE USED IN CONJUNCTION WITH ALL RELATED, APPLICABLE DETAILS WITHIN THIS OPD PACKAGE INCLUDING THE GENERAL NOTES.
10. OPD PROVIDE OPTIONS FOR COMPONENTS SUCH AS STUD SIZES, BRACES SIZES, FASTENERS, ETC. THE RDP IN RESPONSIBLE CHARGE SHALL CLEARLY IDENTIFY ALL COMPONENTS SELECTED FOR USE IN THE PROJECT-SPECIFIC CONDITIONS.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: GENERAL NOTES - PAGE 3 OF 3
OPD NO.: ST0.02

PLOT DATE: May 09, 2017



STRUCTURAL TRACK ('T'-SECTIONS)

* - DEEP LEG TRACK (WHERE OCCURS AS NOTED IN DETAILS)

DESIGNATION THICKNESS (MILS)	REFERENCE ONLY GAUGE NO.
18	25
27	22
33	20
43	18
54	16
68	14
97	12
118	10

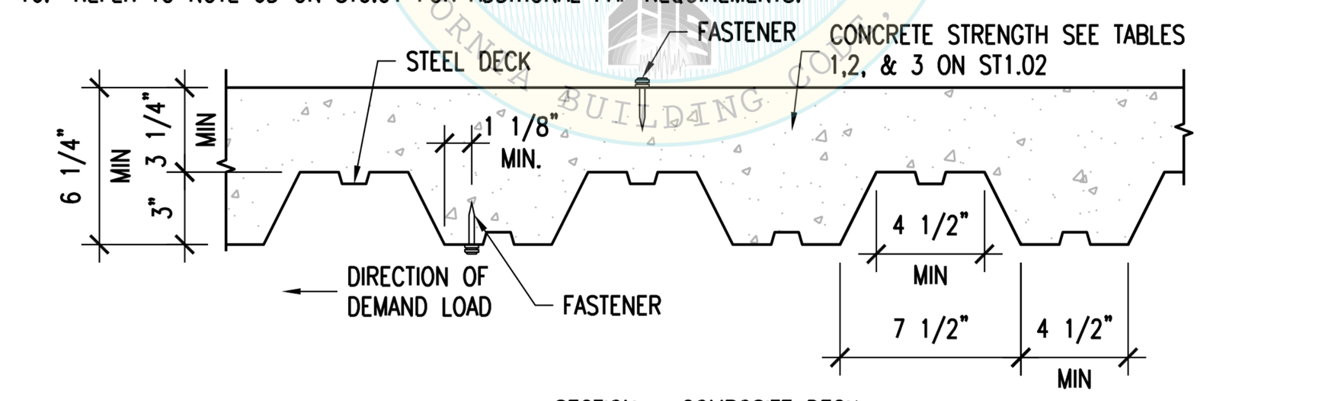
NOTES:
1. SEE WALL STUD FRAMING SECTIONS FOR THICKNESS OF STUDS & TRACKS.
2. Fy = 50KSI FOR 54 MIL (16GA) & THICKER SECTIONS, AND Fy = 33KSI FOR SECTIONS UP TO & INCLUDING 43 MIL (18GA).
3. SIZES AND THICKNESS ARE CONSIDERED MINIMUMS.
4. STRUCTURAL STUDS MAY BE PUNCHED UNLESS NOTED OTHERWISE. STRUCTURAL TRACK SHALL BE UNPUNCHED UNLESS NOTED OTHERWISE.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: METAL STUD PROFILES
OPD NO.: ST1.00

PLOT DATE: May 09, 2017

POWER ACTUATED FASTENER (PAF) GENERAL NOTES (INSTALLED IN CONCRETE FILLED METAL DECK OR CONC SLAB)

1. POWER ACTUATED FASTENER (PAF), POWDER DRIVEN FASTENERS (PDF), POWER DRIVEN PINS (PDP), SHOT PINS ALL REPRESENT THE SAME FASTENER AND WILL HEREAFTER BE REFERRED TO AS POWER ACTUATED FASTENERS (PAF).
2. ALLOWABLE STRENGTHS SHALL BE COMPARED TO ALLOWABLE STRESS DESIGN (ASD) LEVEL DEMAND IN ACCORDANCE WITH THE 2013 CBC SECTION 1605A.3.1.
3. ALLOWABLE STRENGTHS ARE FOR A SINGLE FASTENER WHICH MEET REQUIREMENTS PER SECTION BELOW AND TABLES ON ST1.02. THE ALLOWABLE STRENGTHS ARE BASED UPON THE LEAST OF THE ALLOWABLE STRENGTHS LISTED IN THE ICC ESRS 1799, 2024, 2138, & 2269.
4. MINIMUM CONCRETE STRENGTH f'c=2000 PSI FOR NORMAL WEIGHT CONCRETE AND f'c=3000 PSI FOR ALL LIGHT WEIGHT CONCRETE UNLESS NOTED OTHERWISE.
5. POWER ACTUATED FASTENER INSTALLED THROUGH LOW FLUTES OF THE METAL DECK SHALL MEET THE REQUIREMENTS OF THE INSTALLATION CRITERIA AND SECTION BELOW.
6. MINIMUM EDGE DISTANCE OF 1 1/8" FROM THE EDGE OF METAL DECK WEB AND 4" FROM THE EDGE OF THE DECK.
7. STEEL DECK TO BE A MINIMUM OF 20GA.
8. CONCRETE FILL DEPTH ABOVE THE TOP OF METAL DECK MUST BE A MINIMUM OF 3 1/4" AT LIGHT WEIGHT CONCRETE COMPOSITE METAL DECK.
9. PAF SHALL NOT BE USED TO RESIST SEISMIC SHEAR FORCES EXCEPT AT INTERIOR NON-LOAD BEARING, NON-SHEAR WALL PARTITION WALLS (AS PERMITTED BY 2013 CBC SECTION 1908A.1.1) AND COMPONENTS EXEMPT FROM CONSTRUCTION DOCUMENT REVIEW BY 2013 CBC SECTION 1616A.1.18 (NOT PERMITTED TO TAKE SEISMIC SHEAR BY ICC-ES AC70 FOR ANY OTHER CONDITIONS). PAF SHALL NOT BE USED TO CARRY SEISMIC TENSION LOADS (EXCEPT FOR VERTICAL SEISMIC LOAD PRODUCED BY SELF WEIGHT OF THE COMPONENTS) OR IN CRACKED CONCRETE UNLESS APPROVED FOR SUCH LOADING BY OSHPD.
10. PAF SHALL NOT BE USED IN PRE-STRESSED CONCRETE UNLESS NON-DESTRUCTIVE TESTING METHODS ARE USED TO LOCATE STRAND AND REINFORCEMENT PRIOR TO FASTENER INSTALLATION.
11. PAF INSTALLATION SHALL NOT NICK OR DAMAGE EXISTING CONCRETE REINFORCEMENT. SHOULD THIS OCCUR THE RDP IN RESPONSIBLE CHARGE SHALL BE NOTIFIED IMMEDIATELY. PAF SHALL BE INSTALLED 1" CLEAR OF EXISTING REINFORCEMENT. THIS MAY REQUIRE NON-DESTRUCTIVE TESTING.
12. PAF SHALL BE INSTALLED PER CURRENT ICC-ES EVALUATION REPORTS (OR REPORTS FROM OTHER TESTING AGENCIES ACCEPTABLE TO OSHPD).
13. TESTING OF PAF SHALL BE PER 2013 CBC SECTION 1913A.7. MINIMUM CONCRETE SUBSTRATE THICKNESS IS THREE TIMES THE PAF PENETRATION INTO THE CONCRETE SUBSTRATE.
14. TESTING IS NOT REQUIRED OF PAF USED TO ATTACHED TRACKS OF INTERIOR NON-SHEAR WALL PARTITIONS FOR SHEAR ONLY WHERE THERE ARE AT LEAST THREE FASTENERS.
15. TOTAL ALLOWABLE LOADS IN TENSION, SHEAR OR TENSION SHEAR COMBINATIONS SHALL NOT EXCEED 90 LB AS PERMITTED BY EXCEPTION TO THE ASCE 7-10 SECTION 13.4.5.
16. REFER TO NOTE 6D ON ST0.01 FOR ADDITIONAL PAF REQUIREMENTS.



SECTION - COMPOSITE DECK

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: POWER ACTUATED FASTENER (PAF) GENERAL NOTES (INSTALLED IN CONCRETE FILLED METAL DECK OR CONC SLAB)
OPD NO.: ST1.01

PLOT DATE: May 09, 2017

POWER ACTUATED FASTENER (PAF) ALLOWABLE STRENGTHS (INSTALLED IN CONCRETE FILLED METAL DECK OR CONC SLAB)

TABLE 1
POWER ACTUATED FASTENER INSTALLED IN SAND-LIGHTWEIGHT CONCRETE THROUGH METAL DECK (f'c MIN=3000 PSI)

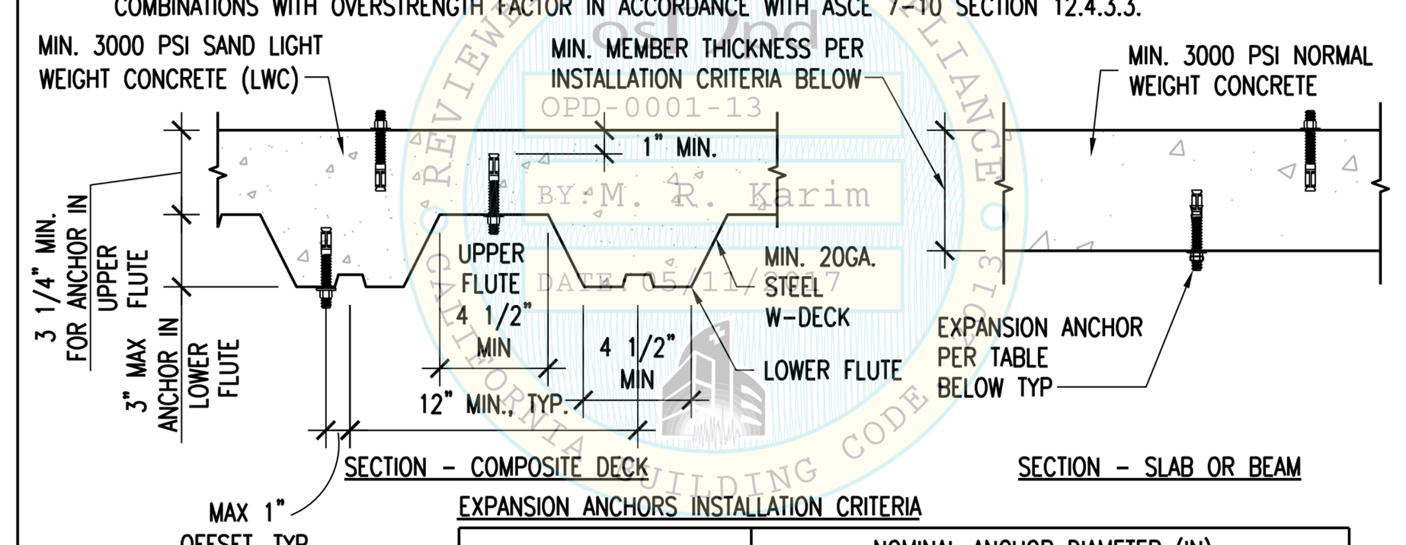
NOMINAL SHANK DIAMETER (IN)	MIN. EMBED (IN)	MIN. SPACING (IN)	MIN. EDGE DISTANCE (IN)	TENSION (LB) (SEE NOTE 15)	SHEAR (LB) (SEE NOTE 15)
0.145 MIN	1 1/4	5.1	4	90	90

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: POWER ACTUATED FASTENER (PAF) ALLOWABLE STRENGTHS (INSTALLED IN CONC FILLED METAL DECK OR CONC SLAB)
OPD NO.: ST1.02

PLOT DATE: May 09, 2017

EXPANSION ANCHOR GENERAL NOTES

1. ALLOWABLE STRENGTHS SHALL BE COMPARED TO ALLOWABLE STRESS DESIGN (ASD) LEVEL DEMAND IN ACCORDANCE WITH THE 2013 CBC SECTION 1605A.3.1.
2. ALLOWABLE STRENGTHS ARE FOR SINGLE ANCHORS WHICH MEET MIN. REQUIREMENTS PER TABLE & SECTION BELOW.
3. MINIMUM CONCRETE STRENGTH f'c=3000 PSI.
4. EXPANSION ANCHORS INSTALLED THROUGH UPPER OR LOWER FLUTES OF METAL DECK SHALL MEET THE REQUIREMENTS OF THE INSTALLATION CRITERIA AND SECTION BELOW.
5. STEEL DECK TO BE MIN. 20 GA. W-DECK.
6. MINIMUM CONCRETE FILL DEPTH ABOVE THE TOP OF METAL DECK PER SECTION AND INSTALLATION CRITERIA BELOW.
7. EXPANSION ANCHORS SHALL NOT BE USED IN PRE-STRESSED CONCRETE UNLESS NON-DESTRUCTIVE TESTING METHODS ARE USED TO LOCATE STRAND & REINFORCING PRIOR TO ANCHOR INSTALLATION.
8. EXPANSION ANCHOR INSTALLATION SHALL NOT NICK OR DAMAGE EXISTING REINFORCEMENT. SHOULD THIS OCCUR THE RDP IN RESPONSIBLE CHARGE SHALL BE NOTIFIED IMMEDIATELY. EXPANSION ANCHORS SHALL BE INSTALLED 1" CLEAR OF EXISTING REINFORCEMENT.
9. EXPANSION ANCHORS SHALL BE INSTALLED PER CURRENT ICC-ES EVALUATION REPORT OR REPORT FROM OTHER TESTING AGENCY ACCEPTABLE TO OSHPD.
10. TESTING OF EXPANSION ANCHORS SHALL BE PER 2013 CBC SECTION 1913A.7.
11. EXPANSION ANCHORS SHALL BE INSTALLED TO COMPLY W/ THE MINIMUM SLAB THICKNESS REQUIREMENTS ESTABLISHED BY THE ICC-ESR FOR THE SPECIFIED ANCHOR.
12. REFER TO NOTE 6C ON ST0.01 FOR ADDITIONAL EXPANSION ANCHOR REQUIREMENTS.
13. ALL VALUES IN TABLES ARE FOR CRACKED CONCRETE & INCLUDE REDUCTION BASED ON ACI 318-11 D3.3.4 REQUIREMENTS. THE ALLOWABLE STRENGTHS ARE BASED UPON THE LEAST OF THE ALLOWABLE STRENGTHS CALCULATED USING THE ICC ESRS 1917, 2427, 2502, & 3037 AND USING AN α FACTOR OF 1.4.
14. ALL VALUES IN TABLES REFLECT THE ALLOWABLE STRENGTHS WITH 20% ALLOWABLE STRESS INCREASE FOR LOAD COMBINATIONS WITH OVERSTRENGTH FACTOR IN ACCORDANCE WITH ASCE 7-10 SECTION 12.4.3.3.



SECTION - COMPOSITE DECK

SECTION - SLAB OR BEAM

EXPANSION ANCHORS INSTALLATION CRITERIA

	NOMINAL ANCHOR DIAMETER (IN)				
	3/8	1/2		5/8	
EFFECTIVE MIN. EMBEDMENT (IN)	2	2 1/4	3 1/4	3 1/8	4
MIN. MEMBER THICKNESS NWC SLAB OR BEAM ONLY (IN)	4.5	4.5	6	6	7 1/4
MIN. ANCHOR SPACING (3 x EMBED) (IN)	6 3/4	6 3/4	9 3/4	9 3/8	12
MIN. EDGE DISTANCE (IN)	6	7	7 1/2	6 1/2	8 3/4

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: EXPANSION ANCHOR GENERAL NOTES
OPD NO.: ST1.03

PLOT DATE: May 09, 2017

EXPANSION ANCHOR ALLOWABLE STRENGTHS

TABLE 1
EXPANSION ANCHORS INSTALLED IN TO THE UNDERSIDE OF STRUCTURAL SAND-LIGHTWEIGHT CONCRETE (f'c MIN=3000 PSI) OVER METAL DECK

ANCHOR DIA. (IN)	EMBED (IN)	SHEAR (LB)	TENSION (LB)
3/8	2	747	604
1/2	2 1/4	1029	610
1/2	3 1/4	1173	1086
5/8	3 1/4	1353	836
5/8	4 1/4	2477	1941

TABLE 2
EXPANSION ANCHORS INSTALLED IN TO THE TOP OF STRUCTURAL SAND-LIGHTWEIGHT CONCRETE (f'c MIN=3000 PSI) OVER METAL DECK

ANCHOR DIA. (IN)	EMBED (IN)	SHEAR (LB)	TENSION (LB)
3/8	2	806	624
1/2	2 1/4	948	660

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: EXPANSION ANCHOR ALLOWABLE STRENGTHS
OPD NO.: ST1.04

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Natividad MEDICAL CENTER

NATIVIDAD MEDICAL CENTER

MEDICAL SURGERY DEPARTMENT LEVEL 3

1441 CONSTITUTION BOULEVARD
SALINAS, CA 93906

HCAI RECORD NUMBER: S240593-27-00
HCAI FACILITY ID: 17353

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
4/9/2025, 1:09:36 PM
S240593-27-00
Russell Rocker

HCAI APPROVAL

LICENSED ARCHITECT
ANNA R. KEMPF
STATE OF CALIFORNIA

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

OPD - STANDARD PARTITION WALL DETAILS

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

A663

CONSTRUCTION DOCUMENT

PLOT DATE: May 09, 2017

POWER ACTUATED FASTENER (PAF) GENERAL NOTES (INSTALLED IN STEEL)

1. MINIMUM STEEL TENSILE STRENGTH Fu=58 KSI.
2. MINIMUM SPACING 1 INCH.
3. MINIMUM EDGE DISTANCE 1/2 INCH.
4. USE KNURLED SHANK.
5. POWER ACTUATED FASTENERS (PAF) SHALL BE INSTALLED PER CURRENT ICC-ES EVALUATION REPORTS OR REPORTS FROM OTHER TESTING AGENCIES ACCEPTABLE TO OSHPD.
6. SEE GENERAL NOTE 6D & E ON ST0.01 FOR PAF REQUIREMENTS & ATTACHMENT TO STEEL.
7. POWER POWER ACTUATED FASTENER (PAF), POWDER DRIVEN FASTENERS (PDF), POWER DRIVEN PINS (PDP), SHOT PINS, ARE COMMON NOMINCLATURES THAT ALL REPRESENT THE SAME FASTENER.
8. ALLOWABLE STRENGTHS SHALL BE COMPARED TO ALLOWABLE STRESS DESIGN (ASD) LEVEL DEMAND IN ACCORDANCE WITH THE 2013 CBC SECTION 1605A.3.1.
9. ALLOWABLE STRENGTHS ARE FOR SINGLE FASTENER, WHICH MEETS THE REQUIREMENTS PER NOTES ABOVE. THE ALLOWABLE STRENGTHS ARE BASED UPON THE LEAST OF THE ALLOWABLE STRENGTHS LISTED IN THE ICC ESRS 1799, 2024, 2138 & 2269.
10. TOTAL ALLOWABLE TENSION, SHEAR OR TENSION SHEAR COMBINATION SHALL NOT EXCEED 250 LB AS REQUIRED BY THE EXCEPTION TO ASCE 7-10 SECTION 13.4.5.
11. LIMIT USE TO INTERIOR NON-BEARING, NON-SHEAR WALL PARTITIONS AND COMPONENTS EXEMPT FROM CONSTRUCTION DOCUMENTS REVIEW BY THE 2013 CBC SECTION 1616A.1.18 (NOT PERMITTED TO TAKE SEISMIC SHEAR BY ICC-ES AC 70 FOR ANY OTHER CONDITIONS.)

POWER ACTUATED FASTENER (PAF) ALLOWABLE STRENGTHS (INSTALLED IN STEEL)

NOMINAL SHANK DIAMETER (IN)	STEEL THICKNESS (IN)									
	3/16		1/4		3/8		1/2			
	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)
0.145 MIN	155	250	230	250	250	250	190	220		

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: POWER ACTUATED FASTENER GENERAL NOTES AND ALLOWABLE STRENGTHS (INSTALLED IN STEEL)
OPD NO.: ST1.05

PLOT DATE: May 09, 2017

SHEET METAL SCREW (SMS) GENERAL NOTES

1. THE ALLOWABLE STRENGTHS ARE BASED UPON THE AISI S100-07/S2-10 AND ARE LIMITED BY ACTUAL TESTED STRENGTH OF THE SCREWS IN TENSION AND SHEAR.
2. THE ALLOWABLE STRENGTHS ARE BASED UPON THE LEAST OF THE AVERAGE TESTED TENSILE AND SHEAR STRENGTHS TABULATED FROM ICC ESR'S 1976, 2196, 1730, 1408, AND THE STEEL STUD MANUFACTURER'S ASSOCIATION (SSMA). FASTENER TYPES AND SIZES APPLY TO NON-PROPRIETARY FASTENER TYPES AND SIZES, AND DOES NOT ENDORSE A SPECIFIC MANUFACTURER. WHERE PROPRIETARY FASTENERS ARE SPECIFIED, NO EXCEPTIONS ARE TAKEN TO THE USE OF MANUFACTURER SPECIFIC VALUES THAT ARE BASED UPON THE AISI S100-07/S2-10, SECTION E4. ALL SCREW FASTENERS SHALL SATISFY ICC-ES AC118-ACCEPTANCE CRITERIA FOR SELF TAPPING SCREW FASTENERS.
3. TABLE 1 REPRESENTS ALLOWABLE TENSION AND SHEAR STRENGTHS FOR NON-PROPRIETARY SHEET METAL SCREWS FOR STEEL TO STEEL CONNECTIONS.
4. TABLE 2 AND 3 REPRESENT ALLOWABLE TENSION AND SHEAR STRENGTHS THAT INCORPORATE THE EFFECTS OF EITHER ONE OR TWO LAYERS OF 5/8" GYPSUM BOARD BETWEEN FASTENER HEAD AND CONNECTING STEEL MATERIAL.
5. IN ORDER TO USE THE VALUES IN TABLES 1, 2, AND 3, THE ATTACHMENTS SHALL BE DETAILED IN SUCH A WAY AS TO AVOID PRYING AND THE STUDS MUST BE STABILIZED WITH FULL-DEPTH BLOCKING WITH CONTINUOUS STRAPS ALONG THE FLANGES OR WITH BACKING BARS.
6. PENETRATION OF SCREWS THROUGH JOINED MATERIAL SHOULD NOT BE LESS THAN 3 EXPOSED THREADS.
7. STEEL THICKNESSES JOINED ARE ASSUMED TO BE THE SAME. IF DISSIMILAR THICKNESSES ARE BEING CONNECTED, THE VALUE FOR THE THINNER PART JOINED SHALL BE USED.
8. 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.
9. 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.
10. WHERE VALUES ARE NOT GIVEN, SUCH COMBINATIONS OF SCREW SIZES & MATERIAL THICKNESS ARE NOT RECOMMENDED.
11. IF THE ATTACHMENT DETAILS RESULT IN PRYING WITH A MOMENT ARM NOT TO EXCEED 1 5/8", THE VALUES IN TABLE 4 MAY BE USED. IF THE ATTACHMENT DETAILS RESULT IN PRYING WITH A MOMENT ARM THAT EXCEEDS 1 5/8", THE REREGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE OF THE PROJECT SHALL DETERMINE THE ALLOWABLE VALUES AND SUBMIT SUBSTANTIATION FOR THEM TO OSHPD FOR REVIEW.
12. INTERACTION OF SHEAR AND TENSION SHALL BE BASED ON $T/T_{ALL} + V/V_{ALL} \leq 1.0$.
13. REFER TO NOTE 6A ON ST0.00 FOR ADDITIONAL SHEET METAL SCREW REQUIREMENTS.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: SHEET METAL SCREW GENERAL NOTES
OPD NO.: ST1.06

PLOT DATE: May 09, 2017

SHEET METAL SCREW (SMS) ALLOWABLE STRENGTHS

TABLE 1
SHEET METAL SCREW ALLOWABLE STRENGTHS FOR STEEL TO STEEL CONNECTIONS.

F_u (KSI)	MIL (STEEL GA)	FASTENER SIZE									
		NO. 14 0.250 IN		NO. 12 0.216 IN		NO. 10 0.190 IN		NO. 8 0.164 IN		NO. 6 0.138 IN	
		SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)
50	97 (12)	704	275	525	205						
	68 (14)	704	275	525	205	405	159				
	54 (16)	613	261	525	205	405	159	303	118		
33	43 (18)	302	144	280	124	263	109	244	94	165	79
	33 (20)					177	84	164	72	151	61

NOTES:
1. SEE GENERAL NOTES ON ST1.06 FOR MORE INFORMATION.
2. WHERE ONE OR TWO LAYERS OF GYP BOARD OCCURS BETWEEN STEEL SURFACES, THE ALLOWABLE VALUES OF TABLE 2 & 3 SHALL BE USED.
3. ALLOWABLE STRENGTH VALUES DO NOT ACCOUNT FOR EFFECTS FROM PRYING. THE RDP IN RESPONSIBLE CHARGE OF THE PROJECT SHALL PROVIDE ADEQUATE BLOCKING/RESTRAINT TO PREVENT PRYING ACTION. WHERE PRYING OCCURS, THE VALUES AND CONSTRAINTS OF TABLE 4 SHALL BE USED.

TABLE 2 – NON-PRYING CONDITION
SHEET METAL SCREW ALLOWABLE STRENGTHS FOR STEEL TO STEEL CONNECTIONS WITH ONE LAYER OF 5/8" GYP BOARD BETWEEN STEEL SURFACES.

F_u (KSI)	MIL (STEEL GA)	FASTENER SIZE									
		NO. 14 0.250 IN		NO. 12 0.216 IN		NO. 10 0.190 IN		NO. 8 0.164 IN		NO. 6 0.138 IN	
		SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)
50	97 (12)	226	275	180	205						
	68 (14)	226	275	180	205	140	159				
	54 (16)	226	261	180	205	140	159	120	118		
33	43 (18)	226	144	180	124	140	109	120	94	60	79
	33 (20)					100	84	80	72	60	61

NOTES:
1. SEE GENERAL NOTES ON ST1.06 FOR MORE INFORMATION.
2. ALLOWABLE STRENGTH VALUES DO NOT ACCOUNT FOR EFFECTS FROM PRYING. RDP IN RESPONSIBLE CHARGE TO PROVIDE ADEQUATE BLOCKING/RESTRAINT TO PREVENT PRYING ACTION. WHERE PRYING OCCURS, THE VALUES AND CONSTRAINTS OF TABLE 4 SHALL BE USED.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: SHEET METAL SCREW ALLOWABLE STRENGTHS
OPD NO.: ST1.07

PLOT DATE: May 09, 2017

SHEET METAL SCREW (SMS) ALLOWABLE STRENGTHS (CONTINUED)

TABLE 3 – NON-PRYING CONDITION
SHEET METAL SCREW ALLOWABLE STRENGTHS FOR STEEL TO STEEL CONNECTIONS WITH TWO LAYERS OF 5/8" GYP BOARD BETWEEN STEEL SURFACES.

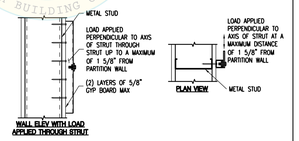
F_u (KSI)	MIL (STEEL GA)	FASTENER SIZE									
		NO. 14 0.250 IN		NO. 12 0.216 IN		NO. 10 0.190 IN		NO. 8 0.164 IN		NO. 6 0.138 IN	
		SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)
50	97 (12)	166	275	130	205						
	68 (14)	166	275	130	205	100	159				
	54 (16)	166	261	130	205	100	159	80	118		
33	43 (18)	166	144	130	124	100	109	80	94	50	79
	33 (20)					70	84	50	72	40	61

NOTES:
1. SEE GENERAL NOTES ON ST1.06 FOR MORE INFORMATION.
2. ALLOWABLE STRENGTH VALUES DO NOT ACCOUNT FOR EFFECTS FROM PRYING. RDP IN RESPONSIBLE CHARGE TO PROVIDE ADEQUATE BLOCKING/RESTRAINT TO PREVENT PRYING ACTION. WHERE PRYING OCCURS, THE VALUES AND CONSTRAINTS OF TABLE 4 SHALL BE USED.

TABLE 4 – PRYING CONDITION (SEE DETAILS BELOW – STRUT CAN BE HORIZONTAL OR VERTICAL)
SHEET METAL SCREW ALLOWABLE STRENGTHS FOR STEEL TO STEEL CONNECTIONS WITH ONE OR TWO LAYERS OF 5/8" GYP BOARD BETWEEN STEEL SURFACES AND MAXIMUM PRYING MOMENT ARM OF 1 5/8".

F_u (KSI)	MIL (STEEL GA)	FASTENER SIZE									
		NO. 14 0.250 IN		NO. 12 0.216 IN		NO. 10 0.190 IN		NO. 8 0.164 IN		NO. 6 0.138 IN	
		SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)
50	97 (12)	40	275	30	205						
	68 (14)	40	275	30	205	25	159				
	54 (16)	40	261	30	205	25	159	20	118		
33	43 (18)	40	144	30	124	25	109	20	94	10	79
	33 (20)					15	84	15	72	10	61

NOTES:
1. SEE GENERAL NOTES ON ST1.06 FOR MORE INFORMATION.
2. THE ALLOWABLE STRENGTH VALUES LISTED IN TABLE 4 ARE BASED UPON A LIMITED TEST ASSEMBLY WHERE THE ORIGIN AND DIRECTION OF THE LOAD RESULTS IN PRYING UPON THE FASTENER. THE MAGNITUDE OF THIS PRYING EFFECT SHALL BE LIMITED TO A MOMENT ARM OF 1 5/8" FROM THE FASTENER.



SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: SHEET METAL SCREW ALLOWABLE STRENGTHS (CONTINUED)
OPD NO.: ST1.08

PLOT DATE: May 09, 2017

TYPICAL PARTITION WALL CONDITIONS

CONDITION 'A' – PARTITION WALL WITHOUT ATTACHMENTS. SEE DETAIL ST2.02

CONDITION 'B' – PARTITION WALL SUPPORTING CABINETS OR EQUIPMENT ON ONE SIDE OR BOTH SIDES OF THE WALL DISTRIBUTING UP TO 50 LB TOTAL VERTICAL LOAD PER STUD (37 PLF). REFER TO GENERAL NOTE 7C ON ST0.01. CENTER OF GRAVITY LESS THAN 6" FROM THE FACE OF THE STUD. SEE DETAIL ST2.03.

CONDITION 'C' – PARTITION WALL SUPPORTING OVERHEAD AND/OR BASE CABINETS OR EQUIPMENT ON ONE SIDE OR BOTH SIDES OF THE WALL, DISTRIBUTING UP TO 152 LB TOTAL VERTICAL LOAD PER STUD (114 PLF). REFER TO GENERAL NOTE 7C ON ST0.01. CENTER OF GRAVITY WITHIN 6" OF FACE OF THE STUD. SEE DETAIL ST2.04.

CONDITION 'D' – PARTITION WALL SUPPORTING FULL HEIGHT CABINETS OR EQUIPMENT ON ONE SIDE OR BOTH SIDES OF THE WALL, DISTRIBUTING UP TO 380 LB TOTAL VERTICAL LOAD PER STUD (285 PLF). REFER TO GENERAL NOTE 7C ON ST0.01. CENTER OF GRAVITY WITHIN 6" OF FACE OF THE STUD. SEE DETAIL ST2.04.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: TYPICAL PARTITION WALL CONDITIONS
OPD NO.: ST2.00

PLOT DATE: May 09, 2017

PARTITION WALL SCHEDULES

SCHEDULE 1: MINIMUM PARTITION WALL STUD SIZE (PARTITION CONDITION 'A')

S_{DS}	WALL HEIGHT				
	9 FT	12 FT	16 FT		
1.46-1.95	362S137-33	362S137-33	362S137-33	400S137-54	600S137-43

SCHEDULE 2: MINIMUM PARTITION WALL STUD SIZE (PARTITION CONDITION 'B')

S_{DS}	WALL HEIGHT					
	9 FT	12 FT		16 FT		
1.46-1.95	362S137-33	362S137-54	400S137-43	NA	400S137-54	600S137-43

SCHEDULE 3: MINIMUM PARTITION WALL STUD SIZE (PARTITION CONDITION 'C')

S_{DS}	WALL HEIGHT					
	9 FT		12 FT		16 FT	
1.46-1.95	362S137-54	400S137-54	NA	NA	600S137-54	600S137-54

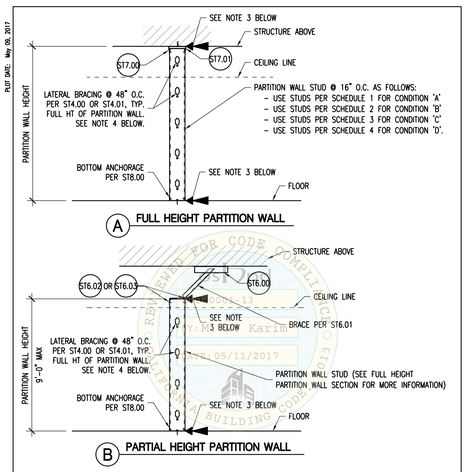
SCHEDULE 4: MINIMUM PARTITION WALL STUD SIZE (PARTITION CONDITION 'D')

S_{DS}	WALL HEIGHT					
	9 FT			12 FT		16 FT
1.46-1.95	NA	400S137-54	600S137-54	NA	NA	600S137-54	600S137-54

NOTES:
1. PARTITION WALL STUDS ARE SPACED @ 16" O.C. TYPICAL UNLESS NOTED OTHERWISE.
2. SEE ST2.06 FOR PARTITION WALL ELEVATION & ADDITIONAL INFORMATION.
3. SEE ST2.00 FOR DEFINITION OF PARTITION WALL CONDITIONS.
4. SEE ST1.00 FOR METAL STUD PROFILES.
5. 362S137-33 IS A 3 5/8" WIDE SSMA STUD WITH 1 3/8" WIDE FLANGE THAT IS 33 MIL THICK.
6. STUDS SHOWN IN THE TABLES ABOVE CAN BE REPLACED BY EQUIVALENT STUDS WITH EQUAL OR HIGHER AREA (A), SECTION MODULUS (S_x, S_y) AND MOMENT OF INERTIA (I_x, I_y) PROVIDED MATERIALS CONFORM TO THE SAME ASTM STANDARD WITH EQUAL OR HIGHER YIELD STRENGTH (f_y) AND ULTIMATE STRENGTH (f_u) WHEN APPROVED.
7. PARTITION WALLS TO HAVE LATERAL BRACING @ 48" O.C. PER ST4.00 OR ST4.01, FOR FULL HT OF PARTITION WALL. LATERAL BRACING IS NOT REQUIRED WHERE GYP BOARD IS INSTALLED ON BOTH SIDES OF PARTITION WALL.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: PARTITION WALL SCHEDULES
OPD NO.: ST2.01

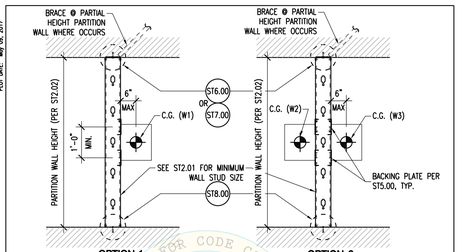
PLOT DATE: May 09, 2017



NOTES:
1. PARTITION WALL SCHEDULES PER ST2.01.
2. SEE ST2.00 FOR DEFINITION OF PARTITION WALL CONDITIONS.
3. SEE ST6.11 FOR TOP & BOTTOM CONNECTION DEMANDS.
4. LATERAL BRACING IS NOT REQUIRED WHERE GYP BOARD IS INSTALLED ON BOTH SIDES OF PARTITION WALL.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: TYPICAL PARTITION WALL SECTIONS
OPD NO.: ST2.02

PLOT DATE: May 09, 2017



A PARTITION WALL CONDITION 'B'

NOTES:
1. THIS DETAIL APPLIES TO PARTITION WALLS SUPPORTING CABINETS OR EQUIPMENT THAT CONFORM TO THE REQUIREMENTS OF CONDITION 'B' PER ST2.00.
2. WHERE CABINETS OR EQUIPMENT OCCUR ON BOTH SIDES OF THE PARTITION WALL, EITHER OF THE FOLLOWING OPTIONS MAY BE USED:
   A. DECREASE SPACING OF WALL STUDS, BOTTOM TRACK ANCHORAGE AND TOP TRACK ANCHORAGE BY 50% FROM THAT SHOWN ON ST2.02, ST6.00, ST7.00 & ST8.00 (I.E. PROVIDE TWICE THE QUANTITY OF WALL STUDS AND TOP AND BOTTOM TRACK ANCHORAGE).
   B. LIMIT THE COMBINED WEIGHT OF CABINETS OR EQUIPMENT ON OPPOSITE SIDES OF WALL AS SHOWN IN OPTION 2.
      FOR EXAMPLE:
      W1= 50 LB/ STUD MAX
      W2 + W3= 50 LB/ STUD MAX
3. SEE ST2.01 FOR MINIMUM PARTITION WALL STUD SIZE.
4. FOR TYPICAL PARTITION WALL SECTIONS SEE ST2.02.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: CABINET OR EQUIPMENT ANCHORAGE TO PARTITION WALL, CONDITION 'B'
OPD NO.: ST2.03

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NATIVIDAD MEDICAL CENTER

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SALINAS, CA 93906

HCAI RECORD NUMBER:
S240593-27-00
HCAI FACILITY ID: 17353

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
4/9/2025, 1:09:36 PM
S240593-27-00
Russell Rocker

HCAI APPROVAL

LICENSED ARCHITECT
ANNA R. KEMPF
C-29256
JUNE 30, 2025
RENEWAL DATE
STATE OF CALIFORNIA

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

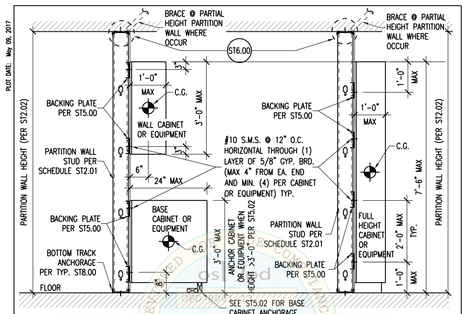
OPD - STANDARD PARTITION WALL DETAILS

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

A663.1

CONSTRUCTION DOCUMENT

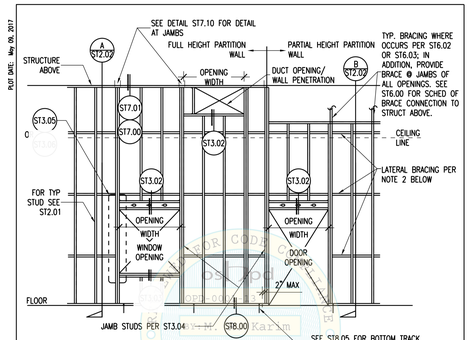


B CONDITION 'C' OVERHEAD AND / OR BASE CABINETS OR EQUIPMENT

C CONDITION 'D' FULL HEIGHT CABINETS OR EQUIPMENT

NOTES:
1. THIS DETAIL APPLIES TO PARTITION WALLS SUPPORTING CABINETS OR EQUIPMENT THAT CONFORM TO THE REQUIREMENTS OF CONDITION 'C' OR 'D' PER ST2.00.
2. THIS DETAIL APPLIES TO PARTITION WALLS SUPPORTING OVERHEAD AND/OR BASE CABINET OR EQUIPMENT ON ONE SIDE OF THE WALL. WHERE CABINETS OR EQUIPMENT OCCUR ON BOTH SIDES OF THE WALL, THE FOLLOWING OPTION MAY BE USED:
   A. DECREASE SPACING OF WALL STUDS, BOTTOM TRACK ANCHORAGE AND TOP TRACK ANCHORAGE BY 50% FROM THAT SHOWN ON ST2.02, ST6.00, ST7.00 & ST8.00. (I.E. PROVIDE TWICE THE QUANTITY OF WALL STUDS AND TOP AND BOTTOM TRACK ANCHORAGE).
3. SEE ST2.01 FOR MINIMUM WALL STUD SIZE.
4. FOR TYPICAL PARTITION SECTIONS SEE ST2.02.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: CABINET OR EQUIPMENT ANCHORAGE TO PARTITION WALL, CONDITIONS 'C' & 'D'
OPD NO.: ST2.04



PARTITION WALL ELEVATION

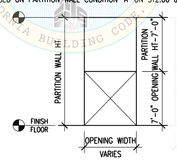
NOTES:
1. ATTACHMENT OF CEILING, EQUIPMENT, ETC. TO THE JAMB, HEADER OR STUD ABOVE THE HEADER IS NOT PERMITTED WITHOUT THE APPROVAL OF THE RDP IN RESPONSIBLE CHARGE & OSHPD.
2. LATERAL BRACING PER ST4.00 & ST4.01 @ 4'-0" O.C. MAX. LATERAL BRACING NOT REQUIRED WHERE GYP. BOARD OCCURS ON BOTH SIDES OF PARTITION WALL.
3. SEE ST2.07 FOR CONDITION AT OVERLAPPING OPENINGS.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: PARTITION WALL ELEVATION - FULL HEIGHT AND PARTIAL HEIGHT PARTITION WALLS
OPD NO.: ST2.06

PARTITION WALL OPENING FRAMING SCHEDULE

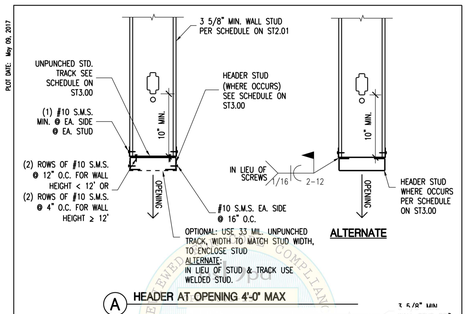
OPENING WIDTH	S_{DS}	PARTITION WALL HT UP TO:	CONN. DETAIL	JAMBS (# OF STUD)-MIL 3 5/8" WALL	JAMBS (# OF STUD)-MIL 4" WALL	JAMBS (# OF STUD)-MIL 6" WALL	HEADER FRAMING	HEADER FIGURE	HEADER MIL	SILL (SEE NOTE 3) FRAMING	SILL (SEE NOTE 3) FIGURE	SILL (SEE NOTE 3) MIL
≤ 4'-0"	1.45-1.95	9'-0"	ST3.05-A OR ST3.05-B	(1)-43 OR (2)-33	(1)-43 OR (2)-33	(1)-33	(1)TRACK & (1) STUD		SAME MIL AS WALL	(1)TRACK		33 MIN.
		12'-0"		(2)-33	(2)-33	(1)-54 OR (2)-33						
		16'-0"		(2)-54	(2)-54	(2)-43			54			
				SEE DETAIL: ST3.04			SEE DETAIL: ST3.02			SEE DETAIL: ST3.03		

NOTES:
1. SEE GENERAL NOTES ON ST0.00, ST0.01, & ST0.02 FOR LIGHT GAUGE STEEL REQUIREMENTS AND DETAIL ST1.00 FOR SECTION PROFILES.
2. STUDS SHALL MATCH WALL SIZES, I.E. 362S FOR 3 5/8" WALL, 400S FOR 4" WALL & 600S FOR 6" WALL.
3. SCHEDULE FOR SILL BASED ON 4'-0" MAX HT. FOR SILLS TALLER THAN 4'-0" USE HEADER FRAMING.
4. JAMB, HEADER & SILL DESIGN BASED ON PARTITION WALL CONDITION 'A' ON ST2.00 & THE FOLLOWING DESIGN ASSUMPTIONS:



DOOR

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: PARTITION WALL OPENING FRAMING SCHEDULE (4'-0" MAX OPENING WIDTH)
OPD NO.: ST3.00

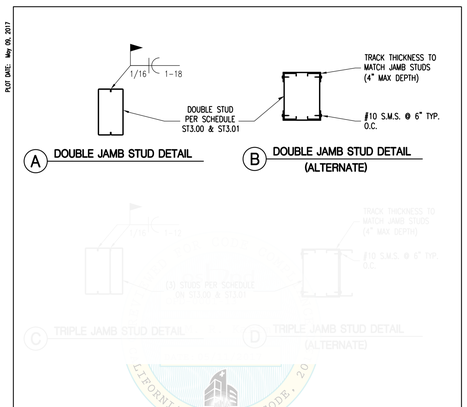


ALTERNATE

A HEADER AT OPENING 4'-0" MAX

NOTE:
1. ATTACHMENT OF CEILING, EQUIPMENT, ETC. TO THE HEADER OR STUDS ABOVE THE HEADER IS NOT PERMITTED WITHOUT THE APPROVAL OF THE RDP IN RESPONSIBLE CHARGE & OSHPD.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: HEADER SECTION
OPD NO.: ST3.02

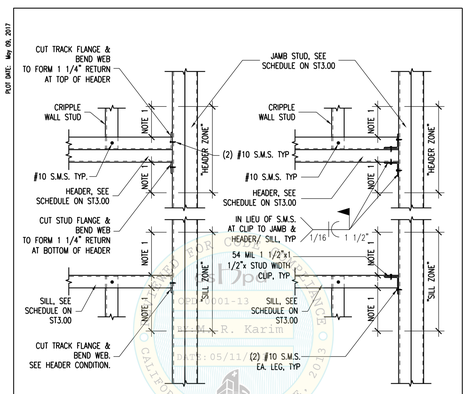


A DOUBLE JAMB STUD DETAIL **B DOUBLE JAMB STUD DETAIL (ALTERNATE)**

C TRIPLE JAMB STUD DETAIL **D TRIPLE JAMB STUD DETAIL (ALTERNATE)**

NOTES:
1. WHERE (2) STUDS ARE INDICATED ON PLANS OR ELEVATIONS, USE DOUBLE STUD DETAIL A OR B ABOVE. WHERE (3) STUDS ARE INDICATED ON PLANS OR ELEVATIONS, USE TRIPLE STUD DETAIL C OR D ABOVE.
2. FOR STUD THICKNESSES, SEE SCHEDULE ON ST3.00 & ST3.01.

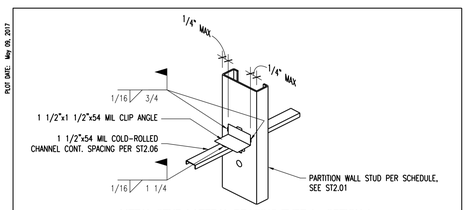
SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: JAMB STUD DETAILS
OPD NO.: ST3.04



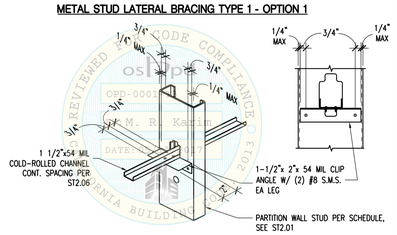
A 4'-0" MAX OPENING WIDTH **B 4'-0" MAX OPENING WIDTH** ALTERNATE CONNECTION

1. NO STUD PUNCHES OR HOLES SHALL OCCUR WITHIN 10" ABOVE OR BELOW THE HEADER OR SILL OR INSIDE THE HEADER OR SILL ZONE.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: HEADER & SILL CONNECTION TO JAMB STUDS (4'-0" MAX OPENING WIDTH)
OPD NO.: ST3.05



METAL STUD LATERAL BRACING TYPE 1 - OPTION 1



METAL STUD LATERAL BRACING TYPE 1 - OPTION 2

NOTES:
1. LATERAL BRACING IS NOT REQUIRED WHERE GYP. BOARD IS INSTALLED ON BOTH SIDES OF PARTITION WALL.
2. NOTCHING OR CUTTING OF COLD-ROLLED CHANNEL IS NOT PERMITTED FOR ANY CONDITION.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: METAL STUD LATERAL BRACING TYPE 1
OPD NO.: ST4.00

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Natividad MEDICAL CENTER

NATIVIDAD MEDICAL CENTER

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HCAI RECORD NUMBER:
S240593-27-00
HCAI FACILITY ID: 17353

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APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
4/9/2025, 1:09:36 PM
S240593-27-00
Russell Rocker

HCAI APPROVAL

LICENSED ARCHITECT
ANNA R. KEMPF
C-39266
RENEWAL DATE JUNE 30, 2025
STATE OF CALIFORNIA

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

OPD - STANDARD PARTITION WALL DETAILS

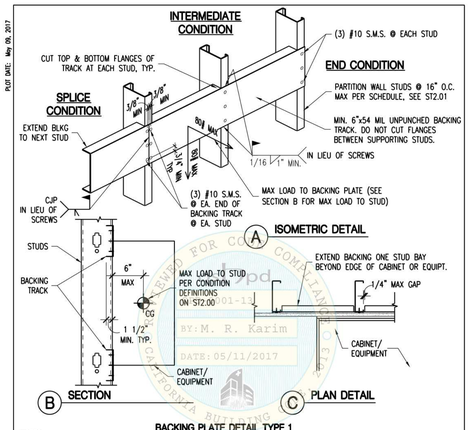
DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

A663.2

CONSTRUCTION DOCUMENT

PLOT DATE: May 09, 2017

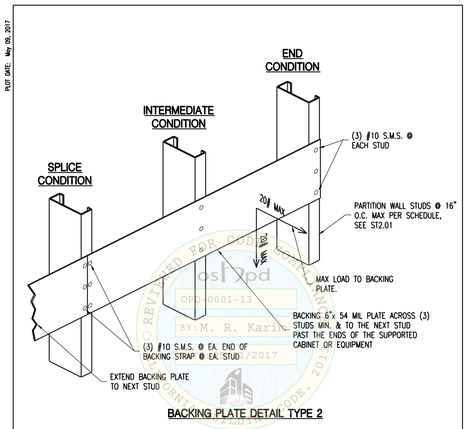


BACKING PLATE DETAIL TYPE 1

NOTES:
1. BACKING, CONNECTION TO STUD, AND STUDS FOR CABINETS OR EQUIPMENT EXCEEDING THIS LIMIT SHALL BE DESIGNED AND DETAILED BY RDP IN RESPONSIBLE CHARGE.
2. ST5.01 MAY BE USED FOR ATTACHMENT OF CABINETS OR EQUIPMENT DISTRIBUTING LESS THAN 20# PER STUD (CENTER OF GRAVITY LESS THAN 6" FROM FACE OF STUD).
3. NOTCHING OR CUTTING OF BACKING PLATE IS NOT PERMITTED EXCEPT AS SHOWN.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: BACKING PLATE DETAIL TYPE 1
OPD NO.: ST5.00

PLOT DATE: May 09, 2017

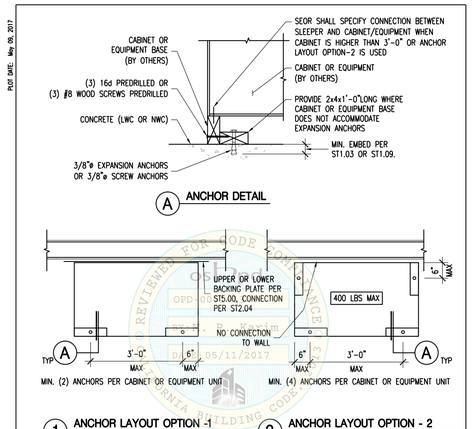


BACKING PLATE DETAIL TYPE 2

NOTES:
1. THIS DETAIL MAY BE USED FOR ATTACHMENT OF CABINETS OR EQUIPMENT DISTRIBUTING LESS THAN 20# PER STUD (CENTER OF GRAVITY LESS THAN 6" FROM FACE OF STUD).
2. SEE ST5.00 FOR ALTERNATE WELDING OPTION.
3. NOTCHING OR CUTTING OF BACKING PLATE IS NOT PERMITTED.

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

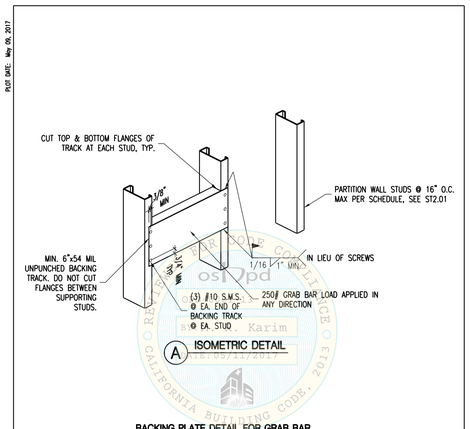
PLOT DATE: May 09, 2017



NOTE:
1. SEE ST1.03 & ST1.04 FOR EXPANSION ANCHOR REQUIREMENTS, AND SEE ST1.09 & ST1.10 FOR SCREW ANCHOR REQUIREMENTS.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: BASE CABINET OR EQUIPMENT ANCHORAGE
OPD NO.: ST5.02

PLOT DATE: May 09, 2017



BACKING PLATE DETAIL FOR GRAB BAR

NOTES:
1. NOTCHING OR CUTTING OF BACKING PLATE IS NOT PERMITTED EXCEPT AS SHOWN.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: BACKING PLATE DETAIL FOR GRAB BAR
OPD NO.: ST5.03

PLOT DATE: May 09, 2017

TOP CONNECTION CONDITIONS - PARTIAL HEIGHT PARTITION WALL

STRUCTURE ABOVE TOP TRACK	PARTIAL HEIGHT PARTITION WALL-BRACE TO STRUCTURE CONNECTION
LIGHT WEIGHT (MIN. 3000 PSI) CONCRETE FILLED METAL DECK	ST6.04
NORMAL WEIGHT (MIN. 3000 PSI) CONCRETE SLAB OR BEAM ABOVE	ST6.05
CONCRETE PAN JOIST OR WAFFLE SLAB SYSTEM	ST6.06
METAL ROOF DECK WITHOUT CONCRETE FILL	ST6.07
STEEL BEAM	ST6.08 & ST6.09
WOOD FRAMING	ST6.10

NOTES:
1. SEE ST6.02 & ST6.03 FOR TYPICAL DETAILS OF CEILING HEIGHT PARTITION WALLS WITH A TOP TRACK CONNECTION BRACED TO THE STRUCTURE ABOVE. SEE ST6.01 FOR BRACE SPACING, SIZE AND CONNECTION SCHEDULE.
2. SEE ST7.00 FOR FULL HEIGHT PARTITION WALLS.
3. FOR TOP & BOTTOM CONNECTION DEMAND SCHEDULE SEE ST6.11.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: TOP CONNECTION CONDITIONS - PARTIAL HEIGHT PARTITION WALL
OPD NO.: ST6.00

PLOT DATE: May 09, 2017

PARTIAL HEIGHT PARTITION WALL BRACE SPACING, SIZE AND CONNECTION SCHEDULES

PARTITION WALL CONDITION 'A'
DETAIL ST6.02

S_{DS}	MAX BRACE SPACING (FT)	BRACE SIZE AND MIL: SINGLE STUD BRACE 3 5/8"	4"	6"	BACK TO BACK BRACE 3 5/8"	4"	6"	S.M.S. CONNECTIONS AT BRACE ENDS: BOTTOM OF BRACE (TO TOP TRACK)	TOP OF BRACE (AT CONNECTION TO STRUCTURE)
1.46-1.95	7	3625162-43	4005162-43	6005162-43	(2)3625162-43	(2)4005162-43	(2)6005162-43	(5) #10 S.M.S.	(4) #10 S.M.S.

PARTITION WALL CONDITION 'B'
DETAIL ST6.02

S_{DS}	MAX BRACE SPACING (FT)	BRACE SIZE AND MIL: SINGLE STUD BRACE 3 5/8"	4"	6"	BACK TO BACK BRACE 3 5/8"	4"	6"	S.M.S. CONNECTIONS AT BRACE ENDS: BOTTOM OF BRACE (TO TOP TRACK)	TOP OF BRACE (AT CONNECTION TO STRUCTURE)
1.46-1.95	5.33	3625162-43	4005162-43	6005162-43	(2)3625162-43	(2)4005162-43	(2)6005162-43	(6) #10 S.M.S.	(4) #10 S.M.S.

PARTITION WALL CONDITION 'C' AND 'D'
DETAIL ST6.03

S_{DS}	MAX BRACE SPACING (FT)	BRACE SIZE AND MIL: BACK TO BACK BRACE 3 5/8"	4"	6"	NUMBER OF S.M.S. AT TOP AND BOTTOM OF BRACE
1.46-1.95	3.33	(2)3625162-43	(2)4005162-43	(2)6005162-43	(8) #10 S.M.S.

NOTES:
1. THESE TABLES ARE BASED ON THE FOLLOWING DESIGN CRITERIA:
   A. DEMAND LOADS PER ST6.11.
   B. 9 FT MAX PARTITION WALL HEIGHT.
   C. MAX BRACE LENGTH PER ST6.02 OR ST6.03.
   D. LIMIT OF KL/r TO 200 WHERE,
      K=1.0, EFFECTIVE LENGTH FACTOR
      L=LENGTH OF BRACE PER ST6.02 AND ST6.03 (INCHES)
      r=MINIMUM RADIUS OF GYRATION OF STUD (INCHES)
2. RDP IN RESPONSIBLE CHARGE SHALL DESIGN FOR OTHER CONDITIONS.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: PARTIAL HEIGHT PARTITION WALL BRACE SPACING, SIZE AND CONNECTION SCHEDULES
OPD NO.: ST6.01

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HCAI RECORD NUMBER:
S240593-27-00
HCAI FACILITY ID: 17353

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
4/9/2025, 1:09:36 PM
S2400193-27-00
Russell Rocker

HCAI APPROVAL

LICENSED ARCHITECT
ANNA R. KEMPF
C-39256
JUNE 30, 2025
RENEWAL DATE
STATE OF CALIFORNIA

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

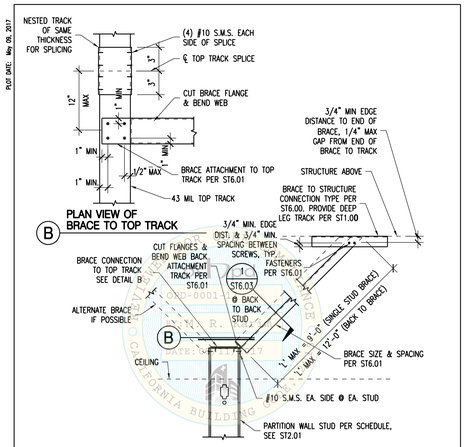
OPD - STANDARD PARTITION WALL DETAILS

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

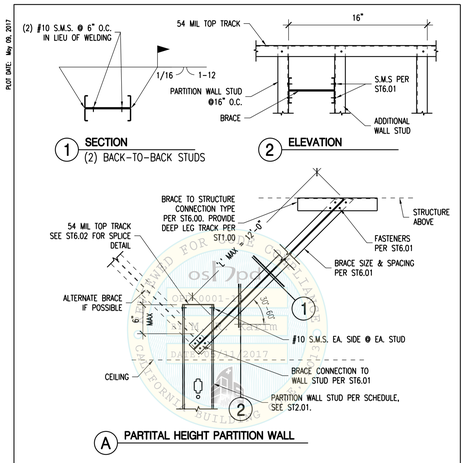
A663.3

CONSTRUCTION DOCUMENT



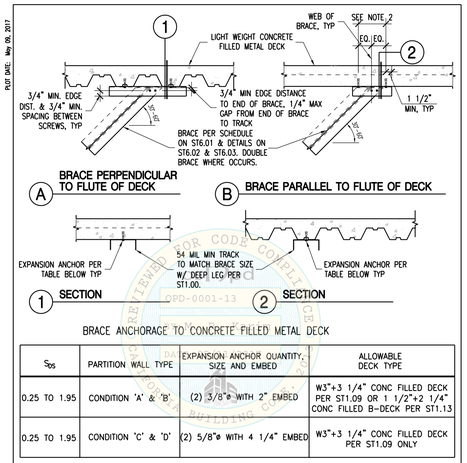
NOTES:
1. SEE TOP & BOTTOM CONNECTION DEMAND SCHEDULE ON ST6.11.
2. SEE ST2.00 FOR DEFINITION OF PARTITION WALL CONDITIONS.
3. DETAIL APPLIES TO PARTITION WALL CONDITIONS 'A' & 'B', ALL S_{DS} CATERGORIES.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: PARTIAL HEIGHT PARTITION WALL TOP BRACING - PARTITION WALL CONDITIONS 'A' & 'B'
OPD NO.: ST6.02



NOTES:
1. SEE TOP & BOTTOM CONNECTION SCHEDULE ON ST6.11.
2. SEE ST2.00 FOR DEFINITION OF PARTITION WALL CONDITIONS.
3. DETAIL APPLIES TO PARTITION WALL CONDITIONS 'C' & 'D', ALL S_{DS} CATEGORIES.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: PARTIAL HEIGHT PARTITION WALL TOP BRACING - PARTITION WALL CONDITIONS 'C' & 'D'
OPD NO.: ST6.03

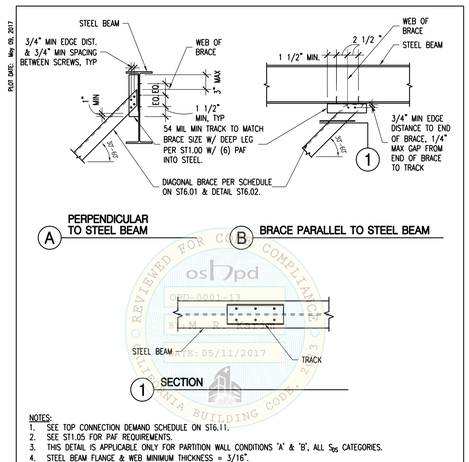


BRACE ANCHORAGE TO CONCRETE FILLED METAL DECK

S_{DS}	PARTITION WALL TYPE	EXPANSION ANCHOR QUANTITY, SIZE AND EMBED	ALLOWABLE DECK TYPE
0.25 TO 1.95	CONDITION 'A' & 'B',	(2) 3/8"ø WITH 2" EMBED	W3"+3 1/4" CONC FILLED DECK PER ST1.09 OR 1 1/2"+2 1/4" CONC FILLED B-DECK PER ST1.13
0.25 TO 1.95	CONDITION 'C' & 'D'	(2) 5/8"ø WITH 4 1/4" EMBED	W3"+3 1/4" CONC FILLED DECK PER ST1.09 ONLY

NOTES:
1. SEE TOP & BOTTOM CONNECTION DEMAND SCHEDULE ON ST6.11.
2. SEE ST1.03 & ST1.04 FOR EXPANSION ANCHOR REQUIREMENTS.
3. DETAIL APPLIES TO ALL PARTITION WALL CONDITIONS & ALL S_{DS} CATEGORIES.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: BRACE CONNECTION TO CONCRETE FILLED METAL DECK - ALL PARTITION WALL CONDITIONS
OPD NO.: ST6.04



NOTES:
1. SEE TOP CONNECTION DEMAND SCHEDULE ON ST6.11.
2. SEE ST1.05 FOR PAF REQUIREMENTS.
3. THIS DETAIL IS APPLICABLE ONLY FOR PARTITION WALL CONDITIONS 'A' & 'B', ALL S_{DS} CATEGORIES.
4. STEEL BEAM FLANGE & WEB MINIMUM THICKNESS = 3/16".
5. RDP IN RESPONSIBLE CHARGE, IOR AND CONTRACTOR TO VERIFY THAT NO PDF IS INSTALLED IN THE PROTECTED ZONE OF ANY STEEL MEMBER, SEE ANSI/AISC 341-10.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: BRACE CONNECTION TO STEEL BEAM - PARTITION WALL CONDITIONS 'A' & 'B'
OPD NO.: ST6.08

NOTES:
1. SEE TOP CONNECTION DEMAND SCHEDULE ON ST6.11.
2. THIS DETAIL IS APPLICABLE FOR PARTITION WALL CONDITIONS 'C' & 'D', ALL S_{DS} CATEGORIES. AS AN ALTERNATE TO ST6.08, THIS DETAIL CAN BE USED FOR ALL PARTITION WALL CONDITIONS.
3. STEEL BEAM FLANGE & WEB MINIMUM THICKNESS = 3/16".
4. RDP IN RESPONSIBLE CHARGE, IOR AND CONTRACTOR TO VERIFY THAT NO WELD IS INSTALLED IN THE PROTECTED ZONE OF ANY STEEL MEMBER, SEE ANSI/AISC 341-10.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: BRACE CONNECTION TO STEEL BEAM - PARTITION WALL CONDITIONS 'C' & 'D'
OPD NO.: ST6.09

TOP AND BOTTOM CONNECTION DEMAND SCHEDULES

TOP AND BOTTOM CONNECTION DEMANDS (PARTITION WALL CONDITION 'A')

S_{DS}	SEISMIC REACTION AT THE TOP & BOTTOM CONNECTION FOR DIFFERENT WALL HEIGHT (LBS/FT)		
	9 FT	12 FT	16 FT
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
1.46-1.95	34	45	60

TOP AND BOTTOM CONNECTION DEMANDS (PARTITION WALL CONDITION 'B')

S_{DS}	SEISMIC REACTION AT THE TOP & BOTTOM CONNECTION FOR DIFFERENT WALL HEIGHT (LBS/FT)					
	9 FT		12 FT		16 FT	
	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	TOP
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1.46-1.95	50	56	67	61	86	72

TOP AND BOTTOM CONNECTION DEMANDS (PARTITION WALL CONDITION 'C')

S_{DS}	SEISMIC REACTION AT THE TOP & BOTTOM CONNECTION FOR DIFFERENT WALL HEIGHT (LBS/FT)					
	9 FT		12 FT		16 FT	
	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	TOP
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1.46-1.95	254	156	296	137	334	129

TOP AND BOTTOM CONNECTION DEMANDS (PARTITION WALL CONDITION 'D')

S_{DS}	SEISMIC REACTION AT THE TOP & BOTTOM CONNECTION FOR DIFFERENT WALL HEIGHT (LBS/FT)					
	9 FT		12 FT		16 FT	
	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	TOP
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1.46-1.95	200	152	241	134	278	127

NOTES:
1. CONNECTION DEMANDS ARE PROVIDED TO ALLOW RDP IN RESPONSIBLE CHARGE TO VERIFY NON PRE-APPROVED COMPONENTS OF THE FRAMING SYSTEM AND THE SUPPORTING STRUCTURE.
2. SEE ST2.02 FOR TYPICAL PARTITION WALL SECTIONS.
3. LOADS GIVEN IN PLF MULTIPLY BY APPROPRIATE BRACE SPACING FOR REACTIONS.
4. LOADS GIVEN DO NOT INCLUDE Ω, FOR CONCRETE ATTACHMENTS ASCE 7-10 W/ SUPPLEMENT #1 TABLE 13.5-1.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: TOP & BOTTOM CONNECTION DEMAND SCHEDULES
OPD NO.: ST6.11

STRUCTURE ABOVE TOP TRACK	FULL HEIGHT PARTITION WALL-TOP TRACK TO STRUCTURE CONNECTION
LIGHT WEIGHT (MIN. 3000 PSI) CONCRETE FILLED METAL DECK	ST7.02 & ST7.03
[illegible]	[illegible]
[illegible]	[illegible]
STEEL BEAM	ST7.08
[illegible]	[illegible]

NOTES:
1. SEE ST7.01 THROUGH ST7.10 FOR TYPICAL DETAILS OF FULL HEIGHT PARTITION WALLS WITH A TOP TRACK CONNECTION DIRECTLY TO THE STRUCTURE ABOVE.
2. SEE ST6.00 FOR PARTIAL HEIGHT PARTITION WALLS.
3. FOR TOP & BOTTOM CONNECTION DEMAND SCHEDULE SEE ST6.11.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: TOP CONNECTION CONDITIONS - FULL HEIGHT PARTITION WALL
OPD NO.: ST7.00

NOTES:
1. DO NOT CONNECT OUTER TRACK TO INNER TRACK OR STUDS (DETAIL A ONLY).
2. DO NOT CONNECT WALL FINISH TO OUTER TRACK (DETAILS A & B).
3. GAP "X" - BY RDP IN RESPONSIBLE CHARGE, 1/2" MIN. TO 3/4" MAX.
4. RDP IN RESPONSIBLE CHARGE TO VERIFY "UL" RATING FOR HEAD OF WALL ASSEMBLY. APPROVED FIRE RESISTANT ASSEMBLY REQUIRED.
5. DETAIL B TO BE USED WHERE ONLY VERTICAL SLIP REQUIRED. WHERE HORIZONTAL, IN-PLANE SLIP IS REQUIRED, USE DETAIL A, DO NOT USE DETAIL B. DO NOT USE DETAIL B FOR ST7.08.
6. SEE TOP CONNECTION DEMAND SCHEDULE ON ST6.11.
7. LATERAL BRACING ONLY REQUIRED IF GYP BOARD IS NOT FULL HEIGHT ON BOTH SIDES OF PARTITION WALL SEE ST2.06, ST4.00 & ST4.01.
8. DETAIL APPLIES TO ALL PARTITION WALL CONDITIONS & ALL S_{DS} CATEGORIES.

SECTION TITLE: STANDARD PARTITION WALL DETAILS
SHEET TITLE: TYPICAL TOP TRACK ANCHORAGE - ALL PARTITION WALL CONDITIONS
OPD NO.: ST7.01

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HCAI RECORD NUMBER:
S240593-27-00
HCAI FACILITY ID: 17353

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
4/9/2025, 1:09:36 PM
S240593-27-00
Russell Rocker
HCAI APPROVAL

LICENSED ARCHITECT
ANNA R. KEMPF
C-39256
JUNE 30, 2025
RENEWAL DATE
STATE OF CALIFORNIA

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

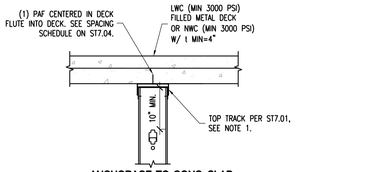
OPD - STANDARD PARTITION WALL DETAILS

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

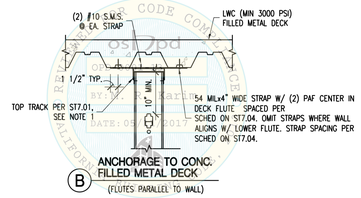
A663.4

CONSTRUCTION DOCUMENT



A ANCHORAGE TO CONC. SLAB & CONC. FILLED METAL DECK

(FLUTES PERPENDICULAR TO WALL)



B ANCHORAGE TO CONC. FILLED METAL DECK

(FLUTES PARALLEL TO WALL)

NOTES:
1. SEE TOP CONNECTION DEMAND SCHEDULE ON ST6.11.
2. SEE ST1.01 & ST1.02 FOR PAF REQUIREMENTS.
3. SEE ST7.10 FOR CONNECTION AT JAMB LOCATION.
4. SEE ST2.01 FOR PARTITION WALL STUD SCHEDULE.
5. DETAIL APPLIES TO ALL PARTITION WALL CONDITIONS & ALL S_{DS} CATEGORIES.

SECTION TITLE: STANDARD PARTITION WALL DETAILS

SHEET TITLE: TOP TRACK CONNECTION TO LWC FILLED METAL DECK & NWC SLAB - ALL PARTITION WALL CONDITIONS

OPD NO.: ST7.02

TOP TRACK CONNECTION TO LWC FILLED METAL DECK & NWC SLAB (MIN 3000 PSI) FASTENER SPACING SCHEDULES

PARTITION WALL CONDITION 'A'

S_{DS} / WALL HEIGHT	PAF SPACING (INCHES O.C.) PER ST7.02 DETAIL A		
	9 FT	12 FT	16 FT
0.25–0.99	30	24	18
1.00–1.25	24	18	12
1.26–1.45	24	18	12
1.46–1.95	18	12	6

FOR DETAIL B THROUGH D (STRAP OR Z-CLIP) DOUBLE THE SPACING INDICATED UP TO 48" OC.

PARTITION WALL CONDITION 'B'

S_{DS} / WALL HEIGHT	PAF SPACING (INCHES O.C.) PER ST7.02 DETAIL A		
	9 FT	12 FT	16 FT
1.46–1.95	6	6	6

FOR DETAIL B THROUGH D (STRAP OR Z-CLIP) DOUBLE THE SPACING INDICATED UP TO 48" OC.

PARTITION WALL CONDITION 'C'

S_{DS} / WALL HEIGHT	PAF SPACING (INCHES O.C.) PER ST7.02 DETAIL A		
	9 FT	12 FT	16 FT
1.46–1.95	6	6	6

FOR DETAIL B THROUGH D (STRAP OR Z-CLIP) DOUBLE THE SPACING INDICATED UP TO 48" OC.

PARTITION WALL CONDITION D'

S_{DS} / WALL HEIGHT	PAF SPACING (INCHES O.C.) PER ST7.02 DETAIL A		
	9 FT	12 FT	16 FT
1.46–1.95	6	6	6

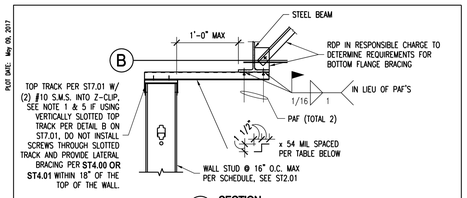
FOR DETAIL B THROUGH D (STRAP OR Z-CLIP) DOUBLE THE SPACING INDICATED UP TO 48" OC.

NOTES:
1. SEE ST7.02 & ST7.03 FOR DETAILS A, B, C, & D.
2. VALUES IN TABLES ABOVE REPRESENT MAXIMUM SPACING. DECREASE SPACING AS REQ'D TO COORDINATE W/ METAL DECK FLUTE SPACING. WHERE PAF SPACING IS LESS THAN 12" OC, OK TO PROVIDE MULITPLE PAF AT LOW FLUTE AS REQUIRED. MAINTAIN EDGE DISTANCE AND SPACING REQUIREMENTS PER ST1.01 & ST1.02.
3. SPACING LISTED INCLUDES Ω. PER ASCE 7-10 W/ SUPPLMENT #1 TABLE 13.5-1.

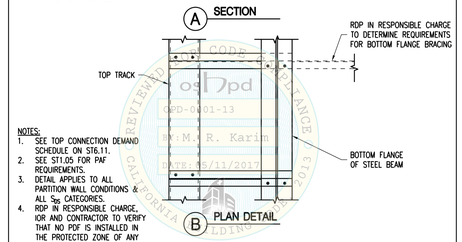
SECTION TITLE: STANDARD PARTITION WALL DETAILS

SHEET TITLE: TOP TRACK CONNECTION TO LWC FILLED METAL DECK & NWC SLAB FASTENER SPACING SCHEDULES

OPD NO.: ST7.04



A SECTION



B PLAN DETAIL

NOTES:
1. SEE TOP CONNECTION DEMAND SCHEDULE ON ST6.11.
2. SEE ST1.05 FOR PAF REQUIREMENTS.
3. DETAIL APPLIES TO ALL PARTITION WALL CONDITIONS & ALL S_{DS} CATEGORIES.
4. RDP IN RESPONSIBLE CHARGE, IOR AND CONTRACTOR TO VERIFY THAT NO PDF IS INSTALLED IN THE PROTECTED ZONE OF ANY STEEL MEMBER, SEE ANSI/AISC 341-10.
5. IN-PLANE SLIP REQUIRED.

PARTITION WALL CONDITION 'A' & 'B'

S_{DS} / WALL HEIGHT	Z-CLIP SPACING (INCHES O.C.)		
	9 FT	12 FT	16 FT
0.25–1.95	48	48	48

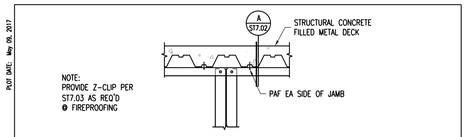
PARTITION WALL CONDITION 'C' & 'D'

S_{DS} / WALL HEIGHT	Z-CLIP SPACING (INCHES O.C.)		
	9 FT	12 FT	16 FT
0.25–1.25	48	48	48
1.26–1.95	32	32	32

SECTION TITLE: STANDARD PARTITION WALL DETAILS

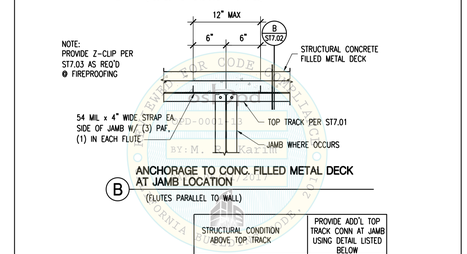
SHEET TITLE: TOP TRACK CONNECTION TO STEEL BEAM - ALL PARTITION WALL CONDITIONS

OPD NO.: ST7.08



A ANCHORAGE TO CONC. FILLED METAL DECK AT JAMB LOCATION

(FLUTES PERPENDICULAR TO WALL)



B ANCHORAGE TO CONC. FILLED METAL DECK AT JAMB LOCATION

(FLUTES PARALLEL TO WALL)

STRUCTURAL CONDITION ABOVE TOP TRACK	PROVIDE ADD'L TOP TRACK CONN AT JAMB USING DETAIL LISTED BELOW
CONCRETE PAN JOIST OR WAFFLE SLAB SYSTEM	ST7.05 OR ST7.06
METAL ROOF DECK WITHOUT STRUCTURAL CONCRETE FILL	ST7.07
STEEL BEAM	ST7.08
WOOD FRAMING	ST7.09

NOTE:
1. SEE ST1.01, ST1.02 & ST1.05 FOR PAF REQUIREMENTS.

SECTION TITLE: STANDARD PARTITION WALL DETAILS

SHEET TITLE: TOP TRACK CONNECTION AT JAMB LOCATIONS - PARTITION WALL CONDITION 'A'

OPD NO.: ST7.10

BOTTOM CONNECTION SCHEDULE

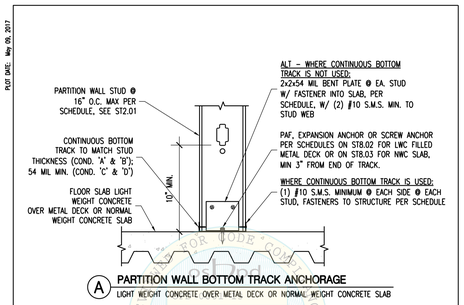
STRUCTURAL CONDITION BELOW BOTTOM TRACK	BOTTOM TRACK CONNECTION
	PARTITION WALL CONDITIONS 'A', 'B', 'C', & 'D'
LWC FILLED METAL DECK OR NWC SLAB	ST8.01

NOTES:
1. FOR PARTITION WALL CONDITION DESCRIPTION SEE ST2.00
2. FOR BOTTOM CONNECTION DEMAND SCHEDULE SEE ST6.11.

SECTION TITLE: STANDARD PARTITION WALL DETAILS

SHEET TITLE: BOTTOM CONNECTION SCHEDULE

OPD NO.: ST8.00



A PARTITION WALL BOTTOM TRACK ANCHORAGE

LIGHT WEIGHT CONCRETE OVER METAL DECK OR NORMAL WEIGHT CONCRETE SLAB

NOTES:
1. SEE ST1.01 & ST1.02 FOR PAF REQUIREMENT AND ST1.03 & ST1.04 FOR EXPANSION ANCHOR REQUIREMENTS AND ST1.09 & ST1.10 FOR SCREW ANCHOR REQUIREMENTS.
2. SEE ST8.05 FOR ANCHORAGE @ JAMBS.
3. FOR LIGHT WEIGHT CONCRETE OVER METAL DECK, SEE ST8.02 FOR FASTENER TO SLAB SCHEDULE.
4. FOR NORMAL WEIGHT CONCRETE SLAB, SEE ST8.03 FOR FASTENER TO SLAB SCHEDULE.
5. SEE ST2.01 FOR PARTITION WALL STUD SCHEDULE.

SECTION TITLE: STANDARD PARTITION WALL DETAILS

SHEET TITLE: BOTTOM TRACK CONNECTION TO LWC OR NWC SLAB - ALL PARTITION WALL CONDITIONS

OPD NO.: ST8.01

BOTTOM TRACK CONNECTION TO LWC ON METAL DECK FASTENER MAX SPACING SCHEDULE

BOTTOM CONNECTION DEMANDS (PARTITION WALL CONDITION 'A')

MAX PARTITION WALL HEIGHT	S_{DS}	MAXIMUM FASTENER SPACING IN INCHES AT BOTTOM CONNECTION				
		PAF	3/8"ø EXP ANCHOR W/ 2" EMBED	1/2"ø EXP ANCHOR W/ 2 1/4" EMBED	3/8"ø SCREW ANCHOR W/ 2 1/2" EMBED	1/2"ø SCREW ANCHOR W/ 2 1/2" EMBED
9 FT	1.46–1.95	16	32	32	32	32
12 FT	1.46–1.95	8	32	32	32	32
16 FT	1.46–1.95	8	32	32	32	32

BOTTOM CONNECTION DEMANDS (PARTITION WALL CONDITION 'B')

MAX PARTITION WALL HEIGHT	S_{DS}	MAXIMUM FASTENER SPACING IN INCHES AT BOTTOM CONNECTION				
		PAF	3/8"ø EXP ANCHOR W/ 2" EMBED	1/2"ø EXP ANCHOR W/ 2 1/4" EMBED	3/8"ø SCREW ANCHOR W/ 2 1/2" EMBED	1/2"ø SCREW ANCHOR W/ 2 1/2" EMBED
9 FT	1.46–1.95	8	32	32	32	32
12 FT	1.46–1.95	8	32	32	32	32
16 FT	1.46–1.95	–	32	32	32	32

BOTTOM CONNECTION DEMANDS (PARTITION WALL CONDITIONS 'C' & 'D')

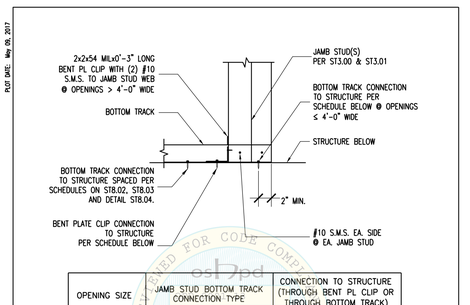
MAX PARTITION WALL HEIGHT	S_{DS}	MAXIMUM FASTENER SPACING IN INCHES AT BOTTOM CONNECTION				
		PAF	3/8"ø EXP ANCHOR W/ 2" EMBED	1/2"ø EXP ANCHOR W/ 2 1/4" EMBED	3/8"ø SCREW ANCHOR W/ 2 1/2" EMBED	1/2"ø SCREW ANCHOR W/ 2 1/2" EMBED
9 FT	1.46–1.95	–	24	32	16	16
12 FT	1.46–1.95	–	16	24	16	16
16 FT	1.46–1.95	–	16	24	8	16

NOTES:
1. SEE ST1.01 & ST1.02 FOR PAF REQUIREMENTS.
2. SEE ST1.03 & ST1.04 FOR EXPANSION ANCHOR REQUIREMENTS.
3. SEE ST1.09 & ST1.10 FOR SCREW ANCHOR REQUIREMENTS.

SECTION TITLE: STANDARD PARTITION WALL DETAILS

SHEET TITLE: BOTTOM TRACK CONNECTION TO LWC ON METAL DECK FASTENER MAX SPACING SCHEDULE

OPD NO.: ST8.02



OPENING SIZE	JAMB STUD BOTTOM TRACK CONNECTION TYPE	CONNECTION TO STRUCTURE (THROUGH BENT PL CLIP OR THROUGH BOTTOM TRACK)
≤ 4'-0"	BOTTOM TRACK CONNECTION TO STRUCTURE (NO CLIP REQUIRED)	(3) PAF (1) 3/8"ø x 2" EMBED EXPANSION ANCHOR (1) 3/8"ø x 2 1/2" EMBED SCREW ANCHOR
>4'-0" TO ≤ 10'-0"	BENT PL CLIP CONNECTION TO STRUCTURE	(1) 3/8"ø x 2" EMBED EXPANSION ANCHOR (1) 3/8"ø x 2 1/2" EMBED SCREW ANCHOR (3) #10 WOOD SCREWS

NOTE:
1. BOTTOM CONNECTION @ JAMBS AT PARTITION WALL CONDITION 'A', ALL S_{DS} CATEGORIES.

SECTION TITLE: STANDARD PARTITION WALL DETAILS

SHEET TITLE: BOTTOM TRACK CONNECTION @ JAMBS - PARTITION WALL CONDITION 'A'

OPD NO.: ST8.05

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SALINAS, CA 93906

HCAI RECORD NUMBER:
S240593-27-00
HCAI FACILITY ID: 17353

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APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
4/9/2025, 1:09:36 PM
S240593-27-00
Russell Rocker

HCAI APPROVAL

LICENSED ARCHITECT
ANNA R. KEMPF
C-29256
JUNE 30, 2025
RENEWAL DATE
STATE OF CALIFORNIA

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

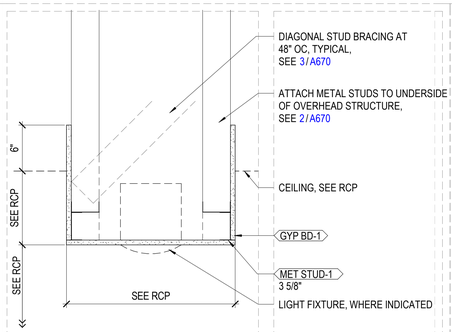
OPD - STANDARD PARTITION WALL DETAILS

DATE: APRIL 16, 2024

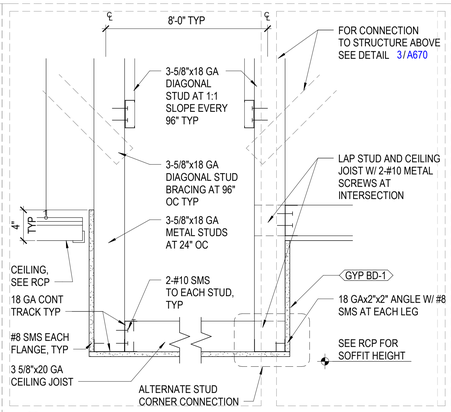
CONSTRUCTION DOCUMENTS

A663.5

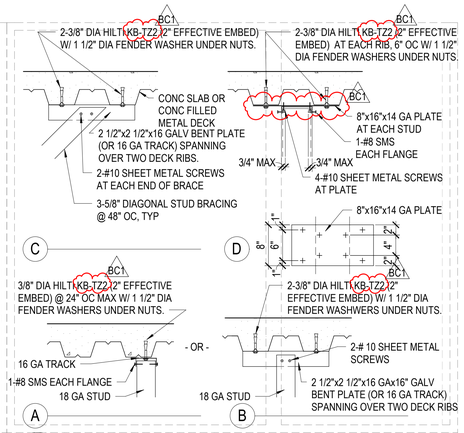
CONSTRUCTION DOCUMENT



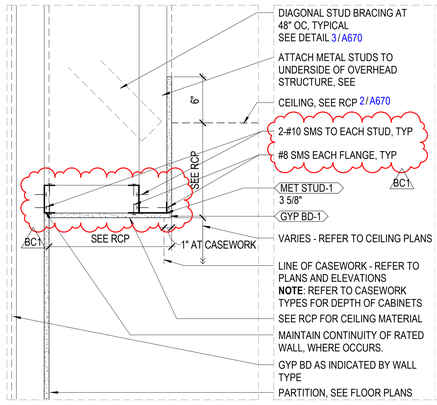
1 SECTION AT FRAMED SOFFIT
1 1/2" = 1'-0"



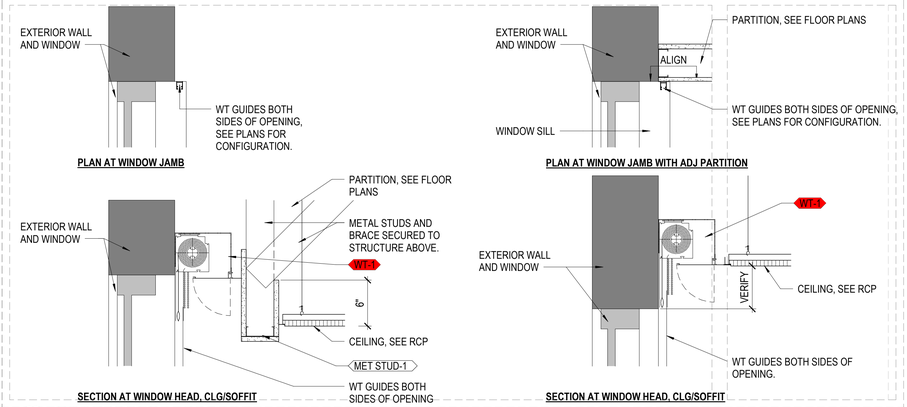
2 FRAMING REQUIREMENTS AT SOFFIT
1 1/2" = 1'-0"



3 STUD BRACING DETAILS
1" = 1'-0"



4 SECTION AT SOFFIT
1 1/2" = 1'-0"



5 CEILING WINDOW TREATMENT
1 1/2" = 1'-0"

CEILING FRAMING NOTES

COLD-FORMED STEEL CEILING FRAMING

ALL STRUCTURAL COLD-FORMED STEEL FRAMING MEMBERS, STUDS, TRACKS, BRIDGING, JOISTS AND BRACING OF THE TYPE SHOWN ON THE PLANS AND SPECIFICATIONS SHALL BE BASED ON THE STEEL STUD MANUFACTURES ASSOCIATIONS PRODUCT TECHNICAL INFORMATION PUBLICATION AND ICC REPORT 3064P.

ALL 18 GAUGE AND LIGHTER COMPONENTS SHALL BE MADE FROM STEEL HAVING A MINIMUM 33,000 PSI YIELD POINT CONFORMING TO ASTM A-446 GRADE A OR ASTM A-653 GRADE 33. ALL 16 THROUGH 12 GAUGES SHALL BE MADE FROM STEEL HAVING A MINIMUM 50,000 PSI YIELD POINT CONFORMING TO ASTM A-466 GRADE D OR ASTM A-653 GRADE 50 CLASS 1 OR 3.

COLD-FORMED SECTIONS SHALL BE GALVANIZED PER ASTM A-525.

STRUCTURAL COLD-FORMED FRAMING COMPONENTS SHALL BE SQUARELY CUT OR AS REQUIRED TO FIT NEATLY AGAINST BUTTING MEMBERS.

TRACKS SHALL BE OF THE SAME GAUGE AS THE STUDS, UNLESS NOTED OTHERWISE.

EACH STUD OR CEILING MEMBER, AS NOTED IN ICC REPORT ER-3064P, SHALL BE IDENTIFIED BY THE MFR. NAME, YIELD STRENGTH IF OVER 33 KSI, MINIMUM BASE METAL THICKNESS, AND THE REPORT UMBER EMBOSSED OR STAMPED ON THE WEB OF EACH SECTION AT A MAXIMUM OF 48 INCHES ON CENTER.

ALL SCREWS SHALL BE OF THE DIAMETER AS SHOWN ON THE DRAWINGS. PROVIDE A MINIMUM EDGE DISTANCE OF 1/2" AND A MINIMUM 3/4" SPACING OF SCREWS. SCREWS SHALL PENETRATE THROUGH JOINED MATERIALS A MINIMUM OF 3 EXPOSED THREADS. SCREWS SHALL HAVE AN ADEQUATE CUTTING TIP TO DRILL THROUGH TOTAL THICKNESS OF JOINED MATERIAL BEFORE THREADS ENGAGE MATERIAL. PRE-DRILL HOLES IN INSTANCES WHERE JOINED MATERIAL IS TOO THICK FOR SCREW TIP TO COMPLETE DRILLING BEFORE THREADS ENGAGE.

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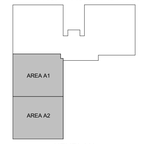

KEYPLAN

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
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NO	DESCRIPTION	DATE
BC1	BACKCHECK#1	12/13/2024

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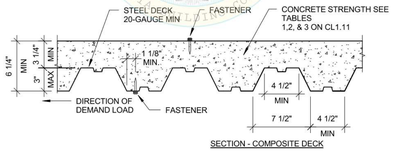
DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

A670

CONSTRUCTION DOCUMENT



GENERAL NOTES

1. CONSTRUCTION, WORKMANSHIP AND MATERIAL SHALL CONFORM TO THE 2013 CALIFORNIA BUILDING STANDARDS CODE (CBSC 2013).

2. THE CONTRACTOR SHALL NOTIFY OSHPD AND THE REGISTERED DESIGN PROFESSIONAL (RDP) 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.

3. THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO CONSTRUCT THE HOSPITAL BUILDING IN ACCORDANCE WITH THE CALIFORNIA BUILDING STANDARD CODE, 2013 (CBSC 2013). SHOULD ANY CONDITION DEVELOP NOT COVERED BY THE APPROVED CONSTRUCTION DOCUMENTS WHEREIN THE WORK WILL NOT COMPLY WITH CBSC 2013, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY OSHPD BEFORE PROCEEDING WITH THE WORK.

4. GALVANIZED METAL STUDS, TRACKS AND SHEET STEEL SHALL CONFORM TO ASTM A653-11 MATERIAL, OR OTHER EQUIVALENT ASTM LISTED MATERIALS IN SECTION A2.1 OF THE AISI SI00-07/S2-10; NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS WITH SUPPLEMENT 2, DATED 2010, WITH A MINIMUM YIELD STRENGTH OF 33 KSI FOR 43 MIL (18 GAGE) AND LIGHTER AND MINIMUM YIELD STRENGTH OF 50 KSI FOR HEAVIER GAGES.

   METAL STUDS AND TRACKS SHALL BE OF SIZE, THICKNESS AND SECTION PROPERTIES SHOWN ON TABLES 1-1, 1-2 AND 1-3 OF THE AISI MANUAL, COLD-FORMED STEEL DESIGN, 2008 EDITION. THE RDP IN RESPONSIBLE CHARGE SHALL OBTAIN OSHPD APPROVAL FOR ANY SUBSTITUTIONS.

5. ELECTRICAL METALLIC TUBE (EMT) SHALL BE ANSI C80.3/UL 797 CARBON STEEL WITH G90 GALVANIZING. EMT SHALL HAVE MINIMUM YIELD STRENGTH OF (Fy =) 30 KSI AND MINIMUM ULTIMATE STRENGTH OF (Fu =) 48 KSI.

6. THESE OPD REFER TO FASTENER TYPE AND SIZE BUT DO NOT SPECIFY OR ENDORSE A SPECIFIC MANUFACTURER. THE RDP IN RESPONSIBLE CHARGE SHALL SELECT A MANUFACTURER AND SELECTED FASTENER CAPACITIES SHALL MATCH OR EXCEED THE STRENGTHS LISTED HEREIN. THE FOLLOWING REQUIREMENTS SHALL ALSO BE MET:

   a. SHEET METAL SCREWS SHALL COMPLY WITH ASTM C 1513-10, ASME B18.6.4-98 (R2005) AND ICC-ES AC 118 AND ALLOWABLE STRENGTH SHALL BE BASED ON INFORMATION PROVIDED IN CL1.31 AND CL1.32. PENETRATION OF SCREWS THROUGH JOINED MATERIAL SHALL NOT BE LESS THAN THREE EXPOSED THREADS.

   b. WELDING SHALL BE IN ACCORDANCE WITH AWS D1.3 USING E60XX SERIES ELECTRODES. FIELD WELDING SHALL HAVE SPECIAL INSPECTION IN ACCORDANCE WITH 2013 CBC SECTION 1705A.2.

   c. POST- INSTALLED ANCHORS (E.G. EXPANSION ANCHORS, SCREW ANCHORS AND POWER ACTUATED FASTENERS) SHALL HAVE SPECIAL INSPECTION AND TESTING IN ACCORDANCE WITH THE 2013 CBC SECTIONS 1705A.3 & 1913A.7. FOR QUALIFICATION, DESIGN AND USE OF POST-INSTALLED ANCHORS IN CONCRETE SEE THE 2013 CBC SECTIONS 1616A.1.19 AND 1908A.1.1. LISTING OF CURRENT ICC-ES EVALUATION REPORTS (OR REPORTS FROM OTHER TESTING AGENCIES ACCEPTABLE TO OSHPD) SHALL BE REQUIRED FOR FASTENER USED.

   d. POWER-ACTUATED FASTENERS (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). PAF'S SHALL SATISFY THE CURRENT AC70-ACCEPTANCE CRITERIA FOR FASTENERS POWER-DRIVEN INTO CONCRETE, STEEL AND MASONRY ELEMENTS AND THE 2013 CBC SECTION 1908A.1.1. LISTING OF CURRENT ICC ES EVALUATION REPORTS (OR REPORTS FROM OTHER TESTING AGENCIES ACCEPTABLE TO OSHPD) SHALL BE REQUIRED FOR FASTENERS USED.

   e. FOR PAF INSTALLED IN STEEL THE 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 ACCEPTABLE TO OSHPD.

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7. DESIGN CRITERIA

   a. BUILDING CODE: 2013 CALIFORNIA BUILDING CODE (2013 CBC), ASCE 7-10, AISI S100-07/S2-10, ASTM E580-14, C635-13a, AND C636-13. FOR LOAD COMBINATIONS, ALLOWABLE STRESS DESIGN SHALL BE IN ACCORDANCE WITH 2013 CBC SECTION 1605A.3.1.

   b. FASTENER CAPACITIES TABLES WERE DEVELOPED BASED ON ICC REPORTS BY SEVERAL MANUFACTURERS.

   c. THE DESIGN ASSUMES THAT BUILDING ELEMENTS AND SUPPORTS, TO WHICH THE COMPONENTS ADDRESSED IN THIS DOCUMENT ARE ANCHORED, HAVE SUFFICIENT CAPACITY TO CARRY THE LOADS IMPOSED BY THE COMPONENTS IN COMBINATION WITH ALL OTHER LOADS. EVALUATION OF THE CAPACITY OF THESE SUPPORTING BUILDING ELEMENTS IS BEYOND THE SCOPE OF THE OPD.

   d. THIS OPD IS LIMITED TO CEILING ASSEMBLIES HAVING MAXIMUM DEAD WEIGHT OF 4 PSF, INCLUDING LIGHTING FIXTURES (LUMINERIES) AND MECHANICAL SERVICES, EACH WEIGHING LESS THAN 56 LBS AND ATTACHED TO CEILING FRAMING SYSTEM. HEAVIER SYSTEM AND THOSE SUPPORTING LATERAL FORCES FROM PARTITION WALLS ARE OUTSIDE THE SCOPE OF THIS OPD AND WILL REQUIRE PROJECT SPECIFIC DESIGN.

8. THE RDP IN RESPONSIBLE CHARGE SHALL VERIFY THE FIRE RESISTENCE AND ACOUSTICAL RATINGS FOR ALL CEILING ASSEMBLIES.

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. SUSPENSION SYSTEM COMPONENTS SHALL COMPLY WITH ASTM C635 AND E580 SECTION 5.1:

   a. THE CEILING GRID SYSTEM SHALL BE RATED HEAVY DUTY AS DEFINED BY ASTM C635.

   b. 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.

   c. 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.

11. SUSPENSION SYSTEM INSTALLATION, SHALL COMPLY WITH ASTM C636 AND E580 SECTION 5.2:

   a. 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.

   b. 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.

   c. THE WIDTH OF THE PERIMETER SUPPORTING CLOSURE ANGLE SHALL BE NOT LESS THAN TWO (2) INCHES. USE OF ANGLES WITH SMALLER WIDTHS IN CONJUNCTION WITH PERIMETER CLIPS SHALL REQUIRE AN ALTERNATE METHOD OF COMPLIANCE WITH ADEQUATE JUSTIFICATION AND ARE OUTSIDE THE SCOPE OF THIS OPD.

   d. 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.

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12. 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.

13. LATERAL FORCE BRACING:
   LATERAL FORCE BRACING IS REQUIRED IN ACCORDANCE WITH THIS SECTION FOR ALL CEILING AREAS, UON.

   EXCEPTION: LATERAL FORCE BRACING MAY BE OMITTED FOR SUSPENDED ACOUSTICAL CEILING SYSTEMS WITH A CEILING AREA OF 144 SQ. FT. OR LESS, WHEN PERIMETER SUPPORT IN ACCORDANCE WITH ASTM E580 ARE PROVIDED AND PERIMETER WALLS ARE DESIGNED TO CARRY THE CEILING LATERAL FORCES.

   a. PROVIDE LATERAL-FORCE BRACING ASSEMBLIES CONSISTING OF A STRUT AND FOUR (4) #12 GAGE BRACING WIRES ORIENTED 90 DEGREES FROM EACH OTHER.

   b. LATERAL-FORCE BRACING ASSEMBLIES SHALL BE SPACED IN ACCORDANCE WITH CL2.20 THROUGH CL2.22 AND CL2.30 FROM EACH WALL AND AT THE EDGES OF ANY CHANGE OF ELEVATION OF THE CEILING.

   c. THE SLOPE OF BRACING WIRES MAY BE FROM 10 TO 45 DEGREES BUT MAY NOT EXCEED 45 DEGREES FROM THE PLANE OF THE CEILING AND WIRES SHALL BE TAUT.

   d. STRUTS SHALL BE ADEQUATE TO RESIST THE VERTICAL COMPONENT INDUCED BY THE BRACING WIRES, AND SHALL NOT BE MORE THAN 1 (HORIZONTAL) IN 6 (VERTICAL) OUT OF PLUMB.

14. ATTACHMENT OF HANGER AND BRACING WIRES:

   a. FASTEN #12 HANGER WIRES WITH NOT LESS THAN THREE (3) TIGHT TURNS IN 3 INCHES. HANGER WIRE LOOPS SHALL BE TIGHTLY WRAPPED AND SHARPLY BENT TO PREVENT ANY VERTICAL MOVEMENT OR ROTATION OF THE MEMBER WITHIN THE LOOPS.

   b. FASTEN #12 BRACING WIRES WITH FOUR (4) TIGHT TURNS. MAKE ALL TIGHT TURNS WITHIN A DISTANCE OF 1 1/2" INCHES.

   c. HANGER OR BRACING WIRE ANCHORED TO THE STRUCTURE SHOULD BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE ANCHOR ALIGNS AS CLOSELY AS POSSIBLE WITH THE DIRECTION OF THE WIRE.

   d. SEPARATE ALL CEILING HANGER AND BRACING WIRES AT LEAST SIX (6) INCHES FROM ALL UNBRACED DUCTS, PIPES CONDUITS, ETC.

   e. HANGER WIRES SHALL NOT BE ATTACHED TO OR BEND AROUND INTERFERING MATERIAL OR EQUIPMENT. PROVIDE TRAPEZE OR OTHER SUPPLEMETARY SUPPORT MEMBERS AT OBSTRUCTIONS TO TYPICAL HANGER SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS, OR DISCONTINUOUS AREAS.

   f. HANGER WIRES THAT ARE MORE THAN 1 (HORIZONTAL) IN 6 (VERTICAL) OUT OF PLUMB SHALL REQUIRE PROJECT SPECIFIC DESIGN.

   g. TESTING REQUIREMENTS:
   HANGER WIRE ANCHORS: WHEN POST-INSTALLED ANCHORS OR PAF ARE USED AS HANGER WIRE ANCHORS IN REINFORCED CONCRETE, 10% OF ANCHORS SHALL BE TENSION TESTED FOR 200 LBS.
   BRACING WIRE ANCHORS: PAF USED AS BRACING WIRE ANCHORS TO CONCRETE ARE NOT PERMITTED.
   WHEN POST-INSTALLED ANCHORS ARE USED AS BRACING WIRE ANCHORS IN REINFORCED CONCRETE, 50% OF ANCHORS SHALL BE TENSION TESTED FOR 440 LBS. ALTERNATELY, WIRE/ANCHOR ASSEMBLIES MAY BE TENSION TESTED IN THE DIRECTION OF THE WIRE FOR 440 LBS.
   EXCEPTION: TORQUE CONTROLLED POST-INSTALLED ANCHORS MAY BE TORQUE TESTED TO MANUFACTURER'S SPECIFICATIONS OR AS SHOWN ON THE APPROVED CONSTRUCTION DOCUMENTS.

Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS
OPD No:
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CL0.02
Rev: 03/30/2022

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15. **CEILING FIXTURES, TERMINALS, AND DEVICES:**

   a. CEILING PANELS SHALL NOT SUPPORT ANY LIGHT FIXTURES, AIR TERMINALS/GRILLS, OR OTHER DEVICES (REFERRED TO ALL BY COMMON TERM FIXTURES HERE AFTER).

   b. ALL FIXTURES SHALL BE MOUNTED IN A MANNER THAT WILL NOT COMPROMISE CEILING PERFORMANCE.

   c. ALL FIXTURES SHALL BE ATTACHED TO THE SUSPENDED CEILING SYSTEM BY MECHANICAL MEANS, UNLESS INDEPENDENTLY SUPPORTED. THE ATTACHMENT DEVICE SHALL HAVE THE CAPACITY OF 100% OF FIXURE WEIGHT ACTING IN ANY DIRECTION. A MINIMUM OF TWO ATTACHMENT DEVICES ARE REQUIRED FOR EACH FIXTURE.

   d. SURFACE MOUNTED FIXTURES SHALL BE ATTACHED TO THE MAIN RUNNER WITH POSITIVE CLAMPING DEVICES MADE OF MATERIAL WITH A MINIMUM 14 GAGE. A NO.12 GAUGE SAFETY WIRES SHALL BE ATTACHED BETWEEN THE CLAMPING DEVICE AND TO THE STRUCTURE ABOVE. IN NO CASE SHALL THE FIXTURES EXCEED THE DESIGN CAPACITY OF THE SUPPORTING MEMBERS.

   e. ALL LIGHT FIXTURES WEIGHING LESS THAN OR EQUAL TO 10 LB. SHALL HAVE ONE NO. 12 GAUGE SAFETY WIRE CONNECTED FROM FIXURE HOUSING TO STRUCTURE ABOVE. IT IS NOT NECESSARY FOR THESE SAFETY WIRES TO BE TAUT.

   f. ALL FIXTURES WEIGHING GREATER THAN 10 LB BUT LESS THAN OR EQUAL TO 56 LB. SHALL HAVE TWO NO. 12 GAUGE SAFETY WIRE CONNECTED FROM FIXURE HOUSING TO STRUCTURE ABOVE. IT IS NOT NECESSARY FOR THESE SAFETY WIRES TO BE TAUT.

   g. ALL FIXTURES WEIGHING GREATER THAN 56 LB. SHALL BE SUPPORTED DIRECTLY FROM STRUCTURE ABOVE BY APPROVED HANGERS.

   h. PENDENT-HUNG FIXTURES SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE USING NO LESS THAN N0. 9-GAUGE WIRE OR AN APPROVED ALTERNATE SUPPORT. THE CEILING SUSPENSION SYSTEM SHALL NOT PROVIDE ANY DIRECT SUPPORT.

   i. ALL RECESSED OR DROP-IN FIXTURES SHALL BE SUPPORTED DIRECTLY FROM FIXTURE HOUSING TO THE STRUCTURE ABOVE WITH A MINIMUM OF TWO NO. 12 GAUGE WIRES LOCATED AT DIAGONALLY OPPOSITE CORNERS. LEVELLING OR POSITIONING OF FIXTURES MAY BE PROVIDED BY CEILING GRID. FIXTURE SUPPORT WIRES MAY BE SLIGHTLY LOOSE TO ALLOW THE FIXTURE TO SEAT IN THE GRID SYSTEM. FIXTURES SHALL NOT BE SUPPORTED FROM MAIN RUNNERS OR CROSS RUNNERS IF THE WEIGHT OF THE FIXTURES CAUSES TOTAL DEAD LOAD TO EXCEED THE DEFLECTION CAPABILITY OF THE CEILING SUSPENSION SYSTEM.

16. **ADDITIONAL REQUIREMENTS:**

   a. CEILINGS THAT ARE PART OF A FIRE RATED ASSEMBLY: PROVIDE A DETAIL AND DESIGN NUMBER FOR RATED CEILING ASSEMBLIES FROM AN APPROVED TESTING AGENCY. THE COMPONENTS AND INSTALLATION DETAILS CONFORM IN EVERY RESPECT WITH THE LISTED DETAIL AND NUMBER. DETAILS SHALL CLEARLY DEPICT ALL COMPONENTS, INCLUDING INSULATION MATERIALS, FRAMING AND ATTACHMENT OF THE DESIGN SO THAT THE ASSEMBLY CAN BE CONSTRUCTED AND INSPECTED ACCORDINGLY. POP RIVETS, SCREWS, OR OTHER ATTACHMENTS ARE NOT ACCEPTABLE UNLESS SPECIFICALLY DETAILED ON THE DRAWINGS AND APPROVED BY APPROVED TESTING AGENCY.

   b. METAL AND OTHER PANELS: METAL PANELS AND PANELS WEIGHING MORE THAN 1/2 PSF, OTHER THAN MINERAL FIBER ACOUSTICAL TILE, ARE TO BE POSITIVELY ATTACHED TO THE CEILING SUSPENSION RUNNERS.

   c. BUILDING EXIT WAYS: CEILINGS IN EXIT WAYS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 13.5.6.2.2(1) OF ASCE 7-10 AS AMENDED BY 2013 CBC SECTION 1616A.1.20. SPLICES OR INTERSECTION OF RUNNERS SHALL BE ATTACHED WITH THROUGH CONNECTORS SUCH AS POP RIVETS, SCREWS, PINS, PLATES WITH END TABS OR OTHER APPROVED CONNECTORS.

Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS
OPD No:
Sheet Title : GENERAL NOTES - PAGE 4 OF 4
CL0.03

POWER ACTUATED FASTENER (PAF) GENERAL NOTES (INSTALLED IN CONCRETE OVER METAL DECK OR CONC SLAB)

1. POWER ACTUATED FASTENER (PAF), POWDER DRIVEN FASTENERS (PDF), POWER DRIVEN PINS (PDP), SHOT PINS ALL REPRESENT THE SAME FASTENER AND WILL HEREAFTER BE REFERRED TO AS POWER ACTUATED FASTENERS (PAF).
2. ALLOWABLE STRENGTHS SHALL BE COMPARED TO ALLOWABLE STRESS DESIGN (ASD) LEVEL DEMAND IN ACCORDANCE WITH THE 2013 CBC SECTION 1605A.3.1.
3. ALLOWABLE STRENGTHS ARE FOR A SINGLE FASTENER WHICH MEET REQUIREMENTS IN SECTIONS BELOW AND TABLES ON CL1.11. THE ALLOWABLE STRENGTHS ARE BASED UPON THE LEAST OF THE ALLOWABLE STRENGTHS LISTED IN THE ICC ESRS 1799, 2024, 2138 & 2269.
4. MINIMUM CONCRETE STRENGTH f'_c=2000 PSI FOR NORMAL WEIGHT CONCRETE AND f'_c=3000 PSI FOR ALL LIGHT WEIGHT CONCRETE UNLESS OTHERWISE NOTED.
5. POWER ACTUATED FASTENER INSTALLED THROUGH LOW FLUTES OF THE METAL DECK SHALL MEET THE REQUIREMENTS OF THE INSTALLATION CRITERIA AND SECTIONS BELOW.
6. MINIMUM EDGE DISTANCE OF 1 1/8" FROM THE EDGE OF METAL DECK WEB AND 4" FROM THE EDGE OF THE DECK.
7. STEEL DECK TO BE A MINIMUM OF 20GA.
8. CONCRETE FILL DEPTH ABOVE THE TOP OF METAL DECK SHALL BE A MINIMUM OF 3 1/4" LIGHT WEIGHT CONCRETE.
9. PAF SHALL NOT BE USED TO RESIST SEISMIC SHEAR FORCES EXCEPT AT INTERIOR NON-LOAD BEARING, NON-SHEAR WALL PARTITION WALLS (AS PERMITTED BY 2013 CBC SECTION 1908A.1.1) AND COMPONENTS EXEMPT FROM CONSTRUCTION DOCUMENT REVIEW BY 2013 CBC SECTION 1616A.1.18 (NOT PERMITTED TO TAKE SEISMIC SHEAR BY ICC-ES AC70 FOR ANY OTHER CONDITIONS). PAF SHALL NOT BE USED TO CARRY SEISMIC TENSION LOADS (EXCEPT FOR VERTICAL SEISMIC LOAD PRODUCED BY SELF WEIGHT OF THE COMPONENTS) OR IN CRACKED CONCRETE UNLESS APPROVED FOR SUCH LOADING BY OSHPD.
10. PAF SHALL NOT BE USED IN PRE-STRESSED CONCRETE UNLESS NON-DESTRUCTIVE TESTING METHODS ARE USED TO LOCATE STRAND AND REINFORCEMENT PRIOR TO FASTENER INSTALLATION.
11. PAF INSTALLATION SHALL NOT NICK OR DAMAGE EXISTING CONCRETE REINFORCEMENT. SHOULD THIS OCCUR THE RDP IN RESPONSIBLE CHARGE SHALL BE NOTIFIED IMMEDIATELY. PAF SHALL BE INSTALLED 1" CLEAR OF EXISTING REINFORCEMENT. THIS MAY REQUIRE NON-DESTRUCTIVE TESTING.
12. PAF SHALL BE INSTALLED PER CURRENT ICC-ES EVALUATION REPORTS (OR REPORTS FROM OTHER TESTING AGENCIES ACCEPTABLE TO OSHPD).
13. TESTING OF PAF SHALL BE IN ACCORDANCE WITH 2013 CBC SECTION 1913A.7. MINIMUM CONCRETE SUBSTRATE THICKNESS SHALL BE THREE TIMES THE PAF PENETRATION INTO THE CONCRETE SUBSTRATE.
14. 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.
15. 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.
16. REFER TO NOTE 6d ON CL0.00 FOR ADDITIONAL PAF REQUIREMENTS.

SECTION - COMPOSITE DECK

Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS
OPD No:
Sheet Title : POWER ACTUATED FASTENER (PAF) IN CONCRETE OVER METAL DECK OR CONCRETE SLAB - PAGE 1 OF 2
CL1.10

POWER ACTUATED FASTENER (PAF) ALLOWABLE STRENGTHS (INSTALLED IN CONCRETE OVER METAL DECK OR CONC SLAB

TABLE 1
POWER ACTUATED FASTENER INSTALLED IN SAND-LIGHTWEIGHT CONCRETE THROUGH METAL DECK (f'_c MIN=3000 PSI)

NOMINAL SHANK DIAMETER (IN)	MIN EMBED (IN)	MIN SPACING (IN)	MIN EDGE DISTANCE (IN)	TENSION (LB) (SEE NOTE 15)	SHEAR (LB) (SEE NOTE 15)
0.145 MIN	1 1/4	4	4	90	90

TABLE 2
POWER ACTUATED FASTENERS INSTALLED INTO STRUCTURAL SAND-LIGHTWEIGHT CONCRETE (f'_c MIN=3000 PSI)

NOMINAL SHANK DIAMETER (IN)	MIN EMBED (IN)	MIN SPACING (IN)	MIN EDGE DISTANCE (IN)	TENSION (LB) (SEE NOTE 15)	SHEAR (LB) (SEE NOTE 15)
0.145 MIN	1 1/4	4	4	90	90

TABLE 3
POWER ACTUATED FASTENER INSTALLED INTO NORMAL-WEIGHT CONCRETE (f'_c MIN=2000 PSI)

NOMINAL SHANK DIAMETER (IN)	MIN EMBED (IN)	MIN SPACING (IN)	MIN EDGE DISTANCE (IN)	TENSION (LB) (SEE NOTE 15)	SHEAR (LB) (SEE NOTE 15)
0.145 MIN	1 1/4	5.1	4	90	90

Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS
OPD No:
Sheet Title : POWER ACTUATED FASTENER (PAF) IN CONCRETE OVER METAL DECK OR CONCRETE SLAB - PAGE 2 OF 2
CL1.11

POWER ACTUATED FASTENER (PAF) GENERAL NOTES (INSTALLED IN STEEL)

1. MINIMUM STEEL TENSILE STRENGTH F_u=58KSI
2. MINIMUM SPACING 1 INCH.
3. MINIMUM EDGE DISTANCE 1/2 INCH.
4. USE KNURLED SHANK.
5. POWER ACTUATED FASTENERS (PAF) SHALL BE INSTALLED PER CURRENT ICC-ES EVALUATION EVALUATION REPORTS OR REPORTS FROM OTHER TESTING AGENCIES ACCEPTABLE TO OSHPD.
6. SEE GENERAL NOTE 6d & 6e ON CL0.00 FOR PAF REQUIREMENTS & ATTACHMENT TO STEEL.
7. POWER ACTUATED FASTENER (PAF), POWEDER DRIVEN FASTENERS (PDF), POWER DRIVEN PINS (PDP), SHOT PINS, ARE COMMON NOMINCLATURES THAT ALL REPRESENT THE SAME FASTENER DESCRIBED HERE IN.
8. ALLOWABLE STRENGTHS SHALL BE COMPARED TO ALLOWABLE STRESS DESIGN (ASD) LEVEL DEMAND IN ACCORDANCE WITH THE 2013 CBC SECTION 1605A.3.1.
9. ALLOWABLE STRENGTHS ARE FOR SINGLE FASTENERS, WHICH MEET THE REQUIREMENTS PER NOTES ABOVE. THE ALLOWABLE STRENGTHS ARE BASED UPON THE LEAST OF THE ALLOWABLE STRENGTHS LISTED IN THE ESRS 1799, 2024, 2138 & 2269.
10. TOTAL ALLOWABLE TENSION, SHEAR OR TENSION SHEAR COMBINATION SHALL NOT EXCEED 250 LBS. AS PERMITTED BY THE EXCEPTION TO ASCE 7-10 SECTION 13.4.5.

NOMINAL SHANK DIAMETER (IN)	STEEL THICKNESS (IN)							
	3/16		1/4		3/8		1/2	
	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)	TENSION (LB)	SHEAR (LB)
0.145 MIN	155	250	230	250	250	250	190	220

Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS
OPD No:
Sheet Title : POWER ACTUATED FASTENER (PAF) IN STEEL
CL1.12

POWER ACTUATED FASTENER (PAF) GENERAL NOTES (INSTALLED IN CONCRETE FILLED METAL B-DECK)

1. POWER ACTUATED FASTENER (PAF), POWER DRIVEN FASTENERS (PDF), POWER DRIVEN PINS (PDP), SHOT PINS ALL REPRESENT THE SAME FASTENER AND WILL HEREAFTER BE REFERRED TO AS POWER ACTUATED FASTENERS (PAF).
2. ALLOWABLE STRENGTHS SHALL BE COMPARED TO ALLOWABLE STRESS DESIGN (ASD) LEVEL DEMAND IN ACCORDANCE WITH THE 2013 CBC SECTION 1605A.3.1.
3. ALLOWABLE STRENGTHS ARE FOR A SINGLE FASTENER WHICH MEET REQUIREMENTS PER SECTION BELOW AND TABLES ON CL1.14 THE ALLOWABLE STRENGTHS ARE BASED UPON THE LEAST OF THE ALLOWABLE STRENGTHS LISTED IN ICC ESRS 2024, 2138, & 2269.
4. MINIMUM CONCRETE STRENGTH f'c = 3000 PSI FOR NORMAL WEIGHT CONCRETE AND f'c = 3000 PSI FOR ALL LIGHT WEIGHT CONCRETE UNLESS NOTED OTHERWISE.
5. POWER ACTUATED FASTENER INSTALLED THROUGH LOW FLUTES OF THE METAL DECK SHALL MEET THE REQUIREMENTS OF THE INSTALLTION CRITERIA AND SECTION BELOW.
6. MINIMUM EDGE DISTANC7: OF 7/8" FROM THE EDGE OF METAL DECK WEB AND 4" FROM THE EDGE OF THE DECK.
7. STEEL DECK TO BE A MINIMUM OF 20 GA. B-DECK.
8. CONCRETE FILL DEPTH ABOVE THE TOP OF METAL DECK MUST BE A MINIMUM OF 2 1/2" AT NORMAL WEIGHT OR LIGHT WEIGHT CONCRETE COMPOSITE METAL DECK.
9. PAF SHALL NOT BE USED TO RESIST SEISMIC SHEAR FORCES EXCEPT AT INTERIOR NON-LOAD BEARING, NON-SHEAR WALL PARTITION WALLS (AS PERMITTED BY 2013 CBC 1908A.1.1) AND COMPONENTS EXEMPT FROM CONSTRUCTION DOCUMENT REVIEW BY 2013 CBC SECTION 1616A.1.18 (NOT PERMITTED TO TAKE SEISMIC SHEAR BY ICC-ES AC70 FOR ANY OTHER CONDITIONS). PAF SHALL NOT BE USED TO CARRY SEISMIC TENSION LOADS (EXCEPT FOR VERTICAL SEISMIC LOAD PRODUCED BY SELF WEIGHT OF THE COMPONENTS) OR IN CRACKED CONCRETE UNLESS APPROVED FOR SUCH LOADING BY OSHPD.
10. PAF SHALL NOT BE USED IN PRE-STRESSED CONCRETE UNLESS NON-DESTRUCTIVE TESTING METHODS ARE USED TO LOCATE STRAND & REINFORCING PRIOR TO FASTENER INSTALLATION.
11. PAF INSTALLATION SHALL NOT NICK OR DAMAGE EXISTING CONCRETE REINFORCEMENT. SHOULD THIS OCCUR THE RDP IN RESPONSIBLE CHARGE SHALL BE NOTIFIED IMMEDIATELY. PAF SHALL BE INSTAL". CLEAR OF EXISTING REINFORCEMENT. THIS MAY REQUIRE NON-DESTRUCTIVE TESTING.
12. PAF SHALL BE INSTALLED PER CURRENT ICC-ES EVALUATION REPORTS (OR REPORTS FROM OTHER TESTING AGENCIES ACCEPTABLE TO OSHPD).
13. TESTING OF PAF SHALL BE PER 2013 CBC SECTION 1913A.7. MINIMUM CONCRETE SUBSTRATE THICKNESS IS THREE TIMES THE PAF PENETRATION INTO THE CONCRETE SUBSTRATE.
14. 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.
15. TOTAL ALLOWABLE LOADS IN TENSION, SHEAR OR TENSION SHEAR COMBINATIONS SHALL NOT EXCEED 90 LBS AS PERMITTED BY EXCEPTION TO THE ASCE 7-10 SECTION 13.4.5.
16. REFER TO NOTE 6d ON CL0.00 FOR ADDITIONAL PAF REQUIREMENTS.

Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS
OPD No:
Sheet Title : POWER ACTUATED FASTENER (PAF) GENERAL NOTES (INSTALLED IN CONCRETE FILLED METAL B DECK)
CL1.13

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Natividad MEDICAL CENTER

NATIVIDAD MEDICAL CENTER

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1441 CONSTITUTION
BOULEVARD
SALINAS, CA 93906

HCAI RECORD NUMBER:
S240593-27-00
HCAI FACILITY ID: 17353

KEYPLAN

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
4/9/2025, 1:09:36 PM
S240593-27-00
Russell Rocker

HCAI APPROVAL

LICENSED ARCHITECT
ANNA R. KEMPF
C-39256
JUNE 30, 2025
RENEWAL DATE
STATE OF CALIFORNIA

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

CEILING DETAILS - ACOUSTICAL TILE/LAY-IN PANEL OPDS

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

A671

CONSTRUCTION DOCUMENT

5/9/2017 9:06:04 AM

POWER ACTUATED FASTENER (PAF) ALLOWABLE STRENGTHS
(INSTALLED IN CONCRETE FILLED B-DECK)

TABLE 1
POWER ACTUATED FASTENER INSTALLED TO THE UNDERSIDE OF NORMAL WEIGHT OR SAND-LIGHTWEIGHT CONCRETE THROUGH B-DECK (f'c MIN = 3000 PSI)

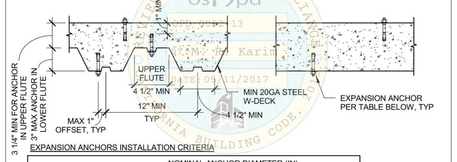
NOMINAL SHANK DIAMETER (IN)	MIN. EMBED (IN)	MIN. SPACING (IN)	MIN. EDGE DISTANCE (IN)	TENSION (LB) SEE NOTE 15	SHEAR (LB) (SEE NOTE 15)
0.157 MIN	1"	4"	4"	90	90

Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS — OPD No:
Sheet Title : POWER ACTUATED FASTENER (PAF) ALLOWABLE STRENGTHS (INSTALLED IN CONCRETE FILLED METAL B DECK) — CL1.14

5/9/2017 9:06:04 AM

EXPANSION ANCHOR GENERAL NOTES

1. ALLOWABLE STRENGTHS SHALL BE COMPARED TO ALLOWABLE STRESS DESIGN (ASD) LEVEL DEMAND IN ACCORDANCE WITH THE 2013 CBC SECTION 1605A.3.1.
2. ALLOWABLE STRENGTHS ARE FOR SINGLE ANCHORS WHICH MEET MIN. REQUIREMENTS IN ACCORDANCE WITH THE TABLE & SECTION BELOW.
3. MINIMUM CONCRETE STRENGTH f'c=3000 PSI.
4. EXPANSION ANCHORS INSTALLED THROUGH UPPER OR LOWER FLUTES OF METAL DECK SHALL MEET THE REQUIREMENTS OF THE INSTALLATION CRITERIA AND SECTION BELOW.
5. STEEL DECK TO BE MIN. 20 GA. W-DECK.
6. MINIMUM CONCRETE FILL DEPTH ABOVE THE TOP OF METAL DECK IN ACCORDANCE WITH THE SECTION AND INSTALLATION CRITERIA BELOW.
7. EXPANSION ANCHORS SHALL NOT BE USED IN PRE-STRESSED CONCRETE UNLESS NON-DESTRUCTIVE TESTING METHODS ARE USED TO LOCATE STRAND & REINFORCING PRIOR TO ANCHOR INSTALLATION.
8. EXPANSION ANCHOR INSTALLATION SHALL NOT NICK OR DAMAGE EXISTING REINFORCEMENT. SHOULD THIS OCCUR THE RDP IN RESPONSIBLE CHARGE SHALL BE NOTIFIED IMMEDIATELY. EXPANSION ANCHORS SHALL BE INSTALLED 1" CLEAR OF EXISTING REINFORCEMENT.
9. EXPANSION ANCHORS SHALL BE INSTALLED PER CURRENT ICC-ES EVALUATION REPORT OR REPORT FROM OTHER TESTING AGENCY ACCEPTABLE TO OSHPD.
10. TESTING OF EXPANSION ANCHORS SHALL BE IN ACCORDANCE WITH 2013 CBC SECTION 1913A.7.
11. EXPANSION ANCHORS SHALL BE INSTALLED TO COMPLY WITH THE MINIMUM SLAB THICKNESS REQUIREMENTS ESTABLISHED BY THE ICC-ESR FOR THE SPECIFIED ANCHOR.
12. REFER TO NOTE 6c ON CL0.00 FOR ADDITIONAL EXPANSION ANCHOR REQUIREMENTS.
13. ALL VALUES IN TABLES ARE FOR CRACKED CONCRETE & INCLUDE REDUCTION BASED ON ACI 318-11 SECTION D.3.3.4.4 REQUIREMENTS. THE ALLOWABLE STRENGTHS ARE BASED UPON THE LEAST OF THE ALLOWABLE STRENGTHS CALCULATED USING THE ICC ESRS 1917, 2427, 2502 & 3037 AND USING AN ALLOWABLE STRENGTH CONVERSION FACTOR OF 1.4.
14. ALL VALUES IN THE TABLE REFLECT ALLOWABLE STRENGTHS WITH 20% STRESS INCREASE FOR LOAD COMBINATIONS WITH OVERSTRENGTH FACTOR IN ACCORDANCE WITH ASCE 7-10 SECTION 12.4.3.3.



EXPANSION ANCHORS INSTALLATION CRITERIA

	NOMINAL ANCHOR DIAMETER (IN)				
	3/8	1/2		5/8	
EFFECTIVE MIN EMBEDMENT (IN)	2	2 1/4	3 1/4	3 1/8	4
MIN MEMBER THICKNESS N/W'C SLAB OR BEAM ONLY (IN)	4.5	4.5	6	6	7 1/4
MIN ANCHOR SPACING (3 x EMBED) (IN)	6 3/4	6 3/4	9 3/4	9 3/8	12
MIN EDGE DISTANCE (IN)	6	7	7 1/2	6 1/2	8 3/4

Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS — OPD No:
Sheet Title : EXPANSION ANCHOR GENERAL NOTES — CL1.20

5/9/2017 9:06:04 AM

EXPANSION ANCHOR ALLOWABLE STRENGTHS

TABLE 1
EXPANSION ANCHORS INSTALLED IN TO THE UNDERSIDE OF STRUCTURAL SAND-LIGHTWEIGHT CONCRETE (f'_c MIN=3000 PSI) OVER METAL DECK

ANCHOR DIA. (IN)	EMBED (IN)	SHEAR (LB)	TENSION (LB)
3/8	2	747	604
1/2	2 1/4	1029	610
1/2	3 1/4	1173	1086
5/8	3 1/4	1353	836
5/8	4 1/4	2477	1941

TABLE 2
EXPANSION ANCHORS INSTALLED IN TO THE TOP OF STRUCTURAL SAND-LIGHTWEIGHT CONCRETE (f'_c MIN=3000 PSI) OVER METAL DECK

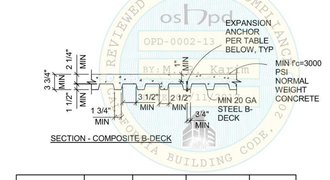
ANCHOR DIA. (IN)	EMBED (IN)	SHEAR (LB)	TENSION (LB)
3/8	2	806	624
1/2	2 1/4	948	660

Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS — OPD No:
Sheet Title : EXPANSION ANCHOR ALLOWABLE STRENGTHS — CL1.21

5/9/2017 9:06:05 AM

EXPANSION ANCHOR GENERAL NOTES

1. ALLOWABLE STRENGTHS SHALL BE COMPARED TO ALLOWABLE STRESS DESIGN (ASD) LEVEL DEMAND IN ACCORDANCE WITH THE 2013 CBC SECTION 1605A.3.1.
2. ALLOWABLE STRENGTHS SHOWN IN TABLES ON CL1.23 ARE FOR SINGLE ANCHORS WHICH MEET MIN. REQUIREMENTS PER TABLE AND SECTION BELOW.
3. MINIMUM CONCRETE STRENGTH f'c = 3000 PSI.
4. EXPANSION ANCHORS INSTALLED THROUGH LOWER FLUTES OF METAL DECK SHALL MEET THE REQUIREMENTS OF THE INSTALLATION CRITERIA AND SECTION BELOW.
5. STEEL DECK TO BE MIN 20 GA. B-DECK.
6. MINIMUM CONCRETE FILL DEPTH ABOVE THE TOP OF THE METAL DECK PER SECTION AND INSTALLATION CRITERIA BELOW.
7. EXPANSION ANCHORS SHALL NOT BE USED IN PRE-STRESSED CONCRETE UNLESS NON-DESTRUCTIVE TESTING METHODS ARE USED TO LOCATE STRAND & REINFORCING PRIOR TO ANCHOR INSTALLATION.
8. EXPANSION ANCHOR INSTALLATION SHALL NOT NICK OR DAMAGE EXISTING REINFORCEMENT. SHOULD THIS OCCUR, THE RDP IN RESPONSIBLE CHARGE SHALL BE NOTIFIED IMMEDIATELY. EXPANSION ANCHORS SHALL BE INSTA' CLEAR OF EXISTING REINFORCEMENT.
9. EXPANSION ANCHORS SHALL BE INSTALLED PER CURRENT ICC-ES EVALUATION REPORT OR REPORT FROM OTHER TESTING AGENCY ACCEPTABLE TO OSHPD.
10. TESTING OF EXPANSION ANCHORS SHALL BE PER 2013 CBC SECTION 1913A.7.
11. REFER TO NOTE 6c ON CL0.00 FOR ADDITIONAL EXPANSION ANCHOR REQUIREMENTS.
12. ALL VALUES IN TABLES ARE FOR CRACKED CONCRETE & INCLUDE REDUCTION BASED ON ACI 318-11 D.3.3.4.4 REQUIREMENTS. THE ALLOWABLE STRENGTHS ARE BASED UPON THE LEAST OF THE ALLOWABLE STRENGTHS CALCULATED USING THE ICC ESRS 1917 AND 2502 AND USING AN α FACTOR OF 1.4.
13. ALL VALUES IN TABLE REFLECT ALLOWABLE STRENGTHS WITH 20% ALLOWABLE STRESS INCREASE FOR LOAD COMBINATIONS WITH OVERSTRENGTH FACTOR IN ACCORDANCE WITH ASCE 7-10 SECTION 12.4.3.3.



SECTION - COMPOSITE B-DECK

	ANCHOR DIAMETER	EFFECTIVE EMBEDMENT	MIN EDGE DISTANCE	MIN SPACING
UNDERSIDE INSTALLATION **	3/8"	2"	6"	6 3/4"
	1/2"	2"	7"	6 3/4"

** UNDERSIDE APPLICATION ONLY.

Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS — OPD No:
Sheet Title : EXPANSION ANCHOR GENERAL NOTES (INSTALLED IN CONCRETE FILLED METAL B DECK) — CL1.22

5/9/2017 9:06:05 AM

SHEET METAL SCREW (SMS) GENERAL NOTES

1. THE ALLOWABLE STRENGTHS ARE BASED UPON THE AISI S100-07/S2-10 AND ARE LIMITED BY ACTUAL TESTED STRENGTH OF THE SCREWS IN TENSION AND SHEAR.
2. THE ALLOWABLE STRENGTHS ARE BASED UPON THE LEAST OF THE AVERAGE TESTED TENSILE AND SHEAR STRENGTHS TABULATED FROM ICC ESR'S 1976, 2196, 1730, 1408, AND THE STEEL STUD MANUFACTURER'S ASSOCIATION (SSMA). FASTENER TYPES AND SIZES APPLY TO NON-PROPRIETARY FASTENER TYPES AND SIZES, AND DOES NOT ENDORSE A SPECIFIC MANUFACTURER. WHERE PROPRIETARY FASTENERS ARE SPECIFIED, NO EXCEPTIONS ARE TAKEN TO THE USE OF MANUFACTURER SPECIFIC VALUES THAT ARE BASED UPON THE AISI S100-07/S2-10, SECTION E4. ALL SCREW FASTENERS SHALL SATISFY ICC-ES AC118-ACCEPTANCE CRITERIA FOR SELF TAPPING SCREW FASTENERS.
3. TABLE 1 REPRESENTS ALLOWABLE TENSION AND SHEAR STRENGTHS FOR NON-PROPRIETARY SHEET METAL SCREWS FOR STEEL TO STEEL CONNECTIONS.
4. TABLES 2 AND 3 REPRESENT ALLOWABLE TENSION AND SHEAR STRENGTHS THAT INCORPORATE THE EFFECTS OF EITHER ONE (1) OR TWO (2) LAYERS OF 5/8" GYPSUM BOARD BETWEEN FASTENER HEAD AND CONNECTING STEEL MATERIAL.
5. IN ORDER TO USE THE VALUES IN TABLES 1, 2, AND 3, THE ATTACHMENTS SHALL BE DETAILED IN SUCH A WAY AS TO AVOID PRYING AND THE STUDS MUST BE STABILIZED WITH FULL-DEPTH BLOCKING WITH CONTINUOUS STRAPS ALONG THE FLANGES OR WITH BACKING BARS.
6. PENETRATION OF SCREWS THROUGH JOINED MATERIAL SHOULD NOT BE LESS THAN THREE (3) EXPOSED THREADS.
7. STEEL THICKNESSES JOINED ARE ASSUMED TO BE THE SAME. IF DISSIMILAR THICKNESSES ARE BEING CONNECTED, THE VALUE FOR THE THINNER PART JOINED SHALL BE USED.
8. 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.
9. 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.
10. WHERE VALUES ARE NOT GIVEN, SUCH COMBINATIONS OF SCREW SIZES & MATERIAL THICKNESS ARE NOT RECOMMENDED.
11. IF THE ATTACHMENT DETAILS RESULT IN PRYING WITH A MOMENT ARM NOT TO EXCEED 1 5/8", THE VALUES IN TABLE 4 MAY BE USED. IF THE ATTACHMENT DETAILS RESULT IN PRYING WITH A MOMENT ARM THAT EXCEEDS 1 5/8", THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE OF THE PROJECT SHALL DETERMINE THE ALLOWABLE VALUES AND SUBMIT SUBSTANTIATION FOR THEM TO OSHPD FOR REVIEW.
12. INTERACTION OF SHEAR AND TENSION SHALL BE BASED ON $T/T_{ALL} + V/V_{ALL} \leq 1.0$.
13. REFER TO NOTE 6A ON CL0.00 FOR ADDITIONAL SHEET METAL SCREW REQUIREMENTS.

Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS — OPD No:
Sheet Title : SHEET METAL SCREW GENERAL NOTES — CL1.30

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SHEET METAL SCREW (SMS) ALLOWABLE STRENGTHS

TABLE 1
SHEET METAL SCREW ALLOWABLE STRENGTHS FOR STEEL TO STEEL CONNECTIONS.

Fy (KSI)	MIL (STEEL GA)	FASTENER SIZE NO. 14 0.250 IN SHEAR (LB)	NO. 14 0.250 IN TENSION (LB)	NO. 12 0.216 IN SHEAR (LB)	NO. 12 0.216 IN TENSION (LB)	NO. 10 0.190 IN SHEAR (LB)	NO. 10 0.190 IN TENSION (LB)	NO. 8 0.164 IN SHEAR (LB)	NO. 8 0.164 IN TENSION (LB)	NO. 6 0.138 IN SHEAR (LB)	NO. 6 0.138 IN TENSION (LB)
50	97 (12)	704	275	525	205	-	-	-	-	-	-
	68 (14)	704	275	525	205	405	159	-	-	-	-
	54 (16)	613	261	525	205	405	159	303	118	-	-
33	43 (18)	302	144	280	124	263	109	244	94	165	79
	33 (20)	-	-	-	-	177	84	164	72	151	61

NOTES:
1. SEE GENERAL NOTES ON CL1.30 FOR ADDITIONAL INFORMATION.
2. WHERE ONE OR TWO LAYERS OF GYP BOARD OCCURS BETWEEN STEEL SURFACES, THE ALLOWABLE VALUES OF TABLE 2 & 3 SHALL BE USED.
3. ALLOWABLE STRENGTH VALUES DO NOT ACCOUNT FOR EFFECTS FROM PRYING. THE RDP IN RESPONSIBLE CHARGE OF THE PROJECT SHALL PROVIDE ADEQUATE BLOCKING/RESTRAINT TO PREVENT PRYING ACTION. WHERE PRYING OCCURS, THE VALUES AND CONSTRAINTS OF TABLE 4 SHALL BE USED.

TABLE 2 - NON-PRYING CONDITION
SHEET METAL SCREW ALLOWABLE STRENGTHS FOR STEEL TO STEEL CONNECTIONS.
WITH ONE LAYER OF 5/8" GYP BOARD BETWEEN STEEL SURFACES.

Fy (KSI)	MIL (STEEL GA)	FASTENER SIZE NO. 14 0.250 IN SHEAR (LB)	NO. 14 0.250 IN TENSION (LB)	NO. 12 0.216 IN SHEAR (LB)	NO. 12 0.216 IN TENSION (LB)	NO. 10 0.190 IN SHEAR (LB)	NO. 10 0.190 IN TENSION (LB)	NO. 8 0.164 IN SHEAR (LB)	NO. 8 0.164 IN TENSION (LB)	NO. 6 0.138 IN SHEAR (LB)	NO. 6 0.138 IN TENSION (LB)
50	97 (12)	226	275	180	205	-	-	-	-	-	-
	68 (14)	226	275	180	205	140	159	-	-	-	-
	54 (16)	226	261	180	205	140	159	120	118	-	-
33	43 (18)	226	144	180	124	140	109	120	94	60	79
	33 (20)	-	-	-	-	100	84	80	72	60	61

NOTES:
1. SEE GENERAL NOTES ON CL1.30 FOR ADDITIONAL INFORMATION.
2. ALLOWABLE STRENGTH VALUES DO NOT ACCOUNT FOR EFFECTS FROM PRYING. THE RDP IN RESPONSIBLE CHARGE OF THE PROJECT SHALL PROVIDE ADEQUATE BLOCKING/RESTRAINT TO PREVENT PRYING ACTION. WHERE PRYING OCCURS, THE VALUES AND CONSTRAINTS OF TABLE 4 SHALL BE USED.

Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS — OPD No:
Sheet Title : SHEET METAL SCREW ALLOWABLE STRENGTHS - PAGES 1 OF 2 — CL1.31

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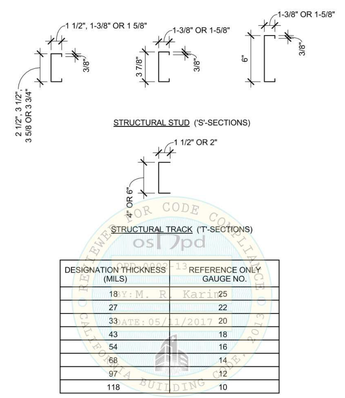

DESIGNATION THICKNESS (MILS)	REFERENCE ONLY GAUGE NO.
18	25
27	22
33	20
43	18
54	16
68	14
97	12
118	10

NOTE:

1. F_y = 50KSI FOR 54 MIL (16GA) & THICKER SECTIONS, AND F_y = 33KSI FOR SECTIONS UP TO & INCLUDING 43 MI (18GA).
2. SIZE AND THICKNESS ARE CONSIDERED MINIMUMS.
3. STRUCTURAL STUDS SHALL NOT BE PUNCHED UNLESS NOTED OTHERWISE.

Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS — OPD No:
Sheet Title : METAL STUD PROFILES — CL1.40

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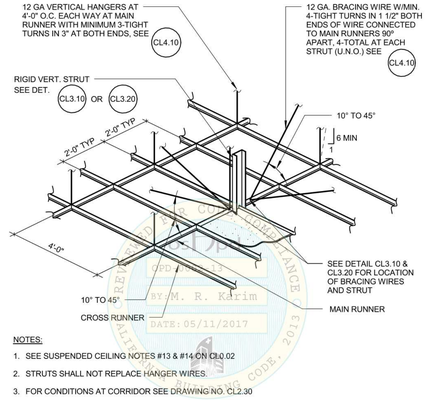

NOTES:

1. SEE SUSPENDED CEILING NOTES #13 & #14 ON CL0.02
2. STRUTS SHALL NOT REPLACE HANGER WIRES.
3. FOR CONDITIONS AT CORRIDOR SEE DRAWING NO. CL2.30

Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS — OPD No:
Sheet Title : SUSPENDED CEILING BRACING ASSEMBLY — CL2.10

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HCAI RECORD NUMBER:
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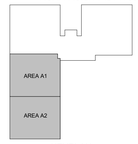

KEYPLAN

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Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
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Russell Rocker

HCAI APPROVAL

LICENSED ARCHITECT
ANNA R. KEMPF
C-38256
JUNE 30, 2025
RENEWAL DATE
STATE OF CALIFORNIA

NO	DESCRIPTION	DATE

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HGA NO: 3707-016-00

CEILING DETAILS - ACOUSTICAL TILE/LAY-IN PANEL OPDS

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

A671.1

CONSTRUCTION DOCUMENT

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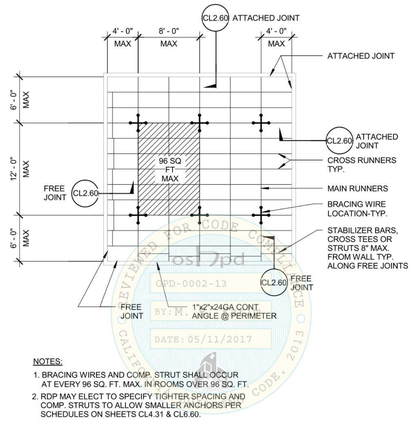
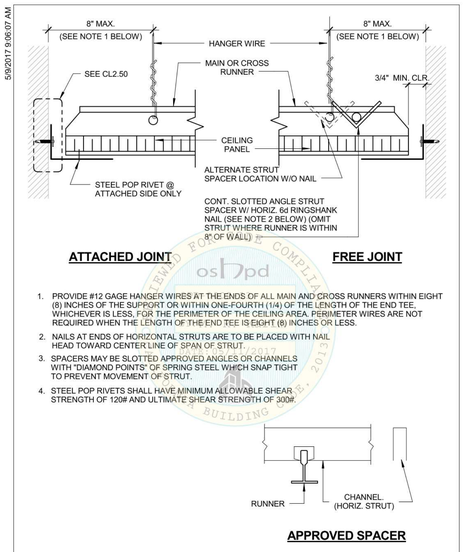


NOTES:

1. BRACING WIRES AND COMP. STRUT SHALL OCCUR AT EVERY 96 SQ. FT. MAX. IN ROOMS OVER 96 SQ. FT.
2. RDP MAY ELECT TO SPECIFY TIGHTER SPACING AND COMP. STRUTS TO ALLOW SMALLER ANCHORS PER SCHEDULES ON SHEETS CL4.31 & CL6.60.

Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS	OPD No:
Sheet Title : TYPICAL CEILING PLAN FOR 1.15 < S_{DS} ≤ 1.73 AND z/h <= 1.0	CL2.21

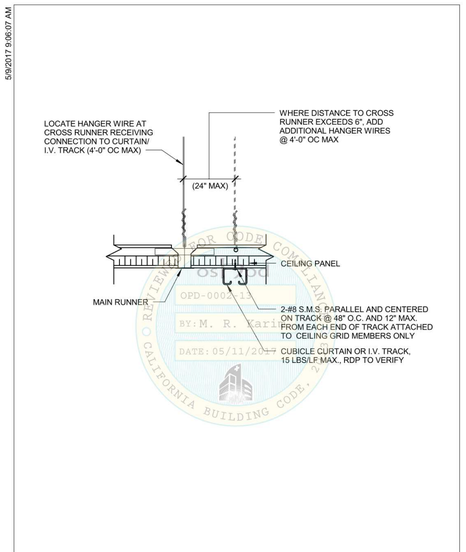


ATTACHED JOINT **FREE JOINT**

1. 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.
2. NAILS AT ENDS OF HORIZONTAL STRUTS ARE TO BE PLACED WITH NAIL HEAD TOWARD CENTER LINE OF SPAN OF STRUT.
3. SPACERS MAY BE SLOTTED APPROVED ANGLES OR CHANNELS WITH "DIAMOND POINTS" OF SPRING STEEL WHICH SNAP TIGHT TO PREVENT MOVEMENT OF STRUT.
4. STEEL POP RIVETS SHALL HAVE MINIMUM ALLOWABLE SHEAR STRENGTH OF 120# AND ULTIMATE SHEAR STRENGTH OF 300#.

APPROVED SPACER

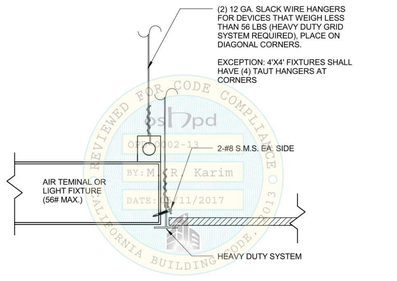
Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS	OPD No:
Sheet Title : CEILING PERIMETER INCLUDING NON-EXITWAY CORRIDORS	CL2.60



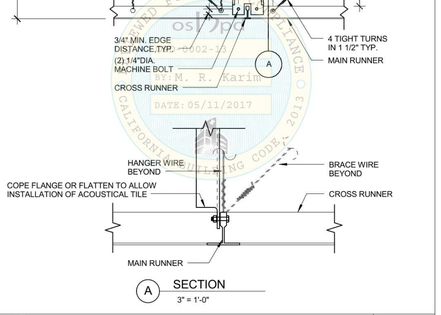
Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS	OPD No:
Sheet Title : SUSPENDED ACOUSTICAL CEILING - CUBICLE CURTAIN I.V. TRACK	CL2.70

NOTES:

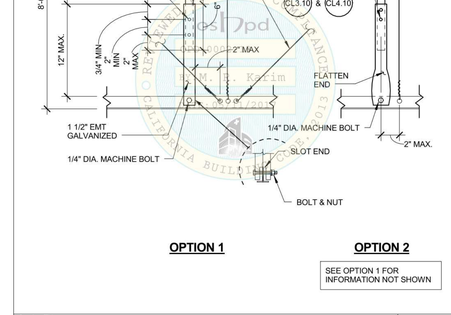
1. SEE GENERAL NOTE #15 ON CL0.03



Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS	OPD No:
Sheet Title : SUSPENDED ACOUSTICAL CEILING - LIGHT FIXTURES/ AIR TERMINAL SUPPORT DETAIL	CL2.80



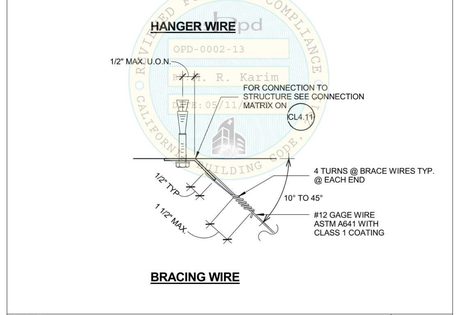
Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS	OPD No:
Sheet Title : SUSPENDED ACOUSTICAL CEILING - CHANNEL TYPE STRUT	CL3.10



OPTION 1 **OPTION 2**

SEE OPTION 1 FOR INFORMATION NOT SHOWN

Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS	OPD No:
Sheet Title : SUSPENDED ACOUSTICAL CEILING - TUBE TYPE STRUT	CL3.20



HANGER WIRE

BRACING WIRE

Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS	OPD No:
Sheet Title : HANGER AND BRACING WIRE CONNECTION - TYPICAL WIRE TURNS	CL4.10

STRUCTURAL CONDITION OF FLOOR/ ROOF ABOVE SUSPENDED CEILING	APPLICABLE HANGER WIRE DETAIL	APPLICABLE BRACING WIRE DETAIL
CONCRETE OVER METAL DECK	CL4.21	CL4.31
[illegible]	[illegible]	[illegible]
STRUCTURAL STEEL	CL4.23	CL4.33
[illegible]	[illegible]	[illegible]
METAL STUD WALL	CL4.25	CL4.35

Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS	OPD No:
Sheet Title : HANGER AND BRACING WIRE CONNECTION MATRIX	CL4.11

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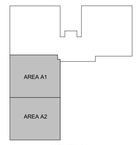

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STATE OF CALIFORNIA

NO	DESCRIPTION	DATE

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CEILING DETAILS - ACOUSTICAL TILE/LAY-IN PANEL OPDS

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

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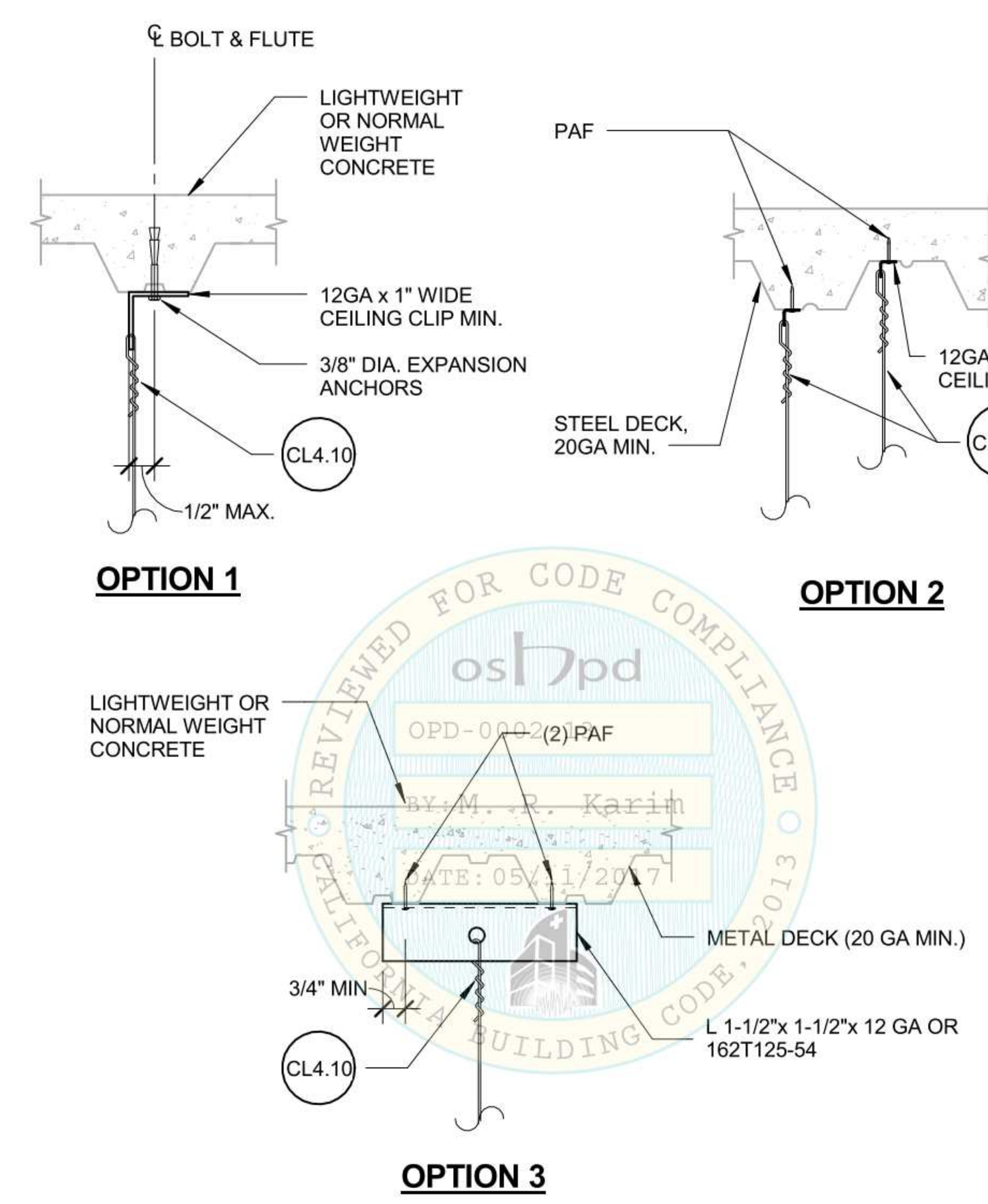

NOTES:

1. LOAD TEST IN ACCORDANCE WITH GENERAL NOTE 14(g), PAGE CL0.02 SHALL BE REQUIRED
2. REFER TO CL4.10 FOR ADDITIONAL DETAILS

Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS — OPD No:
Sheet Title : HANGER WIRE CONNECTION TO CONCRETE OVER METAL DECK — CL4.21

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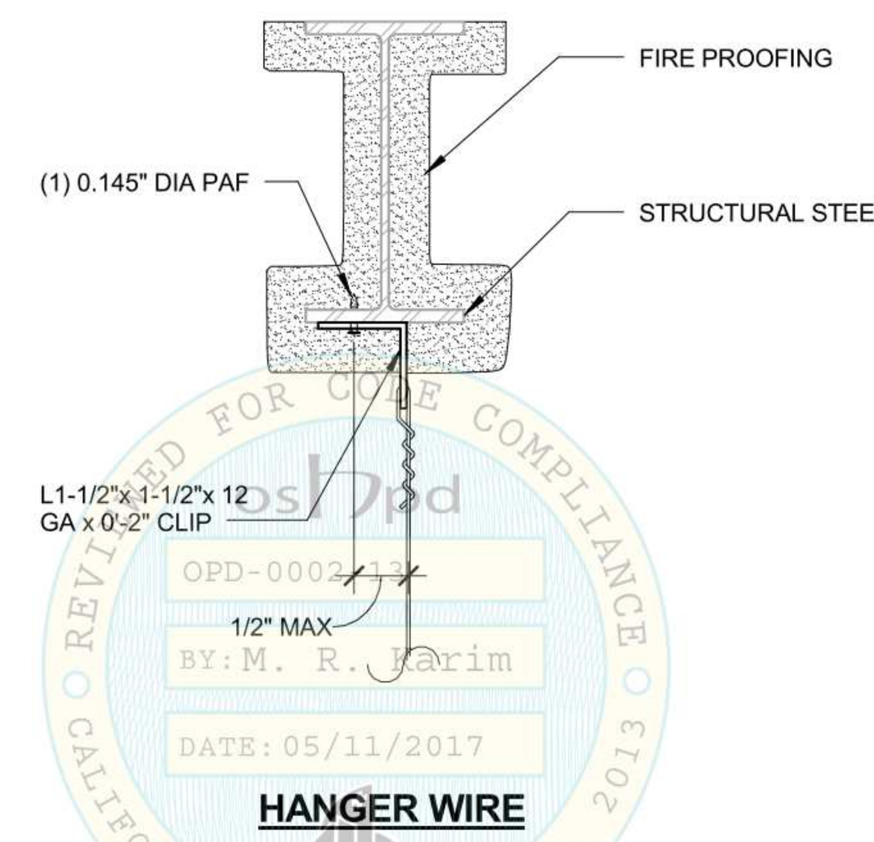

NOTES :

1. BEAM FLANGE THICKNESS SHALL NOT BE LESS THAN 3/16" OR MORE THAN 3/8"
2. FRAMING MEMBERS SHALL BE DESIGNED TO CARRY THE CEILING LOADS, RDP TO VERIFY
3. RDP IN RESPONSIBLE CHARGE, I.O.R. AND CONTRACTOR SHALL VERIFY THAT NO PAF IS INSTALLED IN THE PROTECTED ZONE OF ANY STEEL MEMBER, SEE ANSI/AISC 341-10.

Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS — OPD No:
Sheet Title : HANGER WIRE CONNECTION TO STRUCTURAL STEEL — CL4.23

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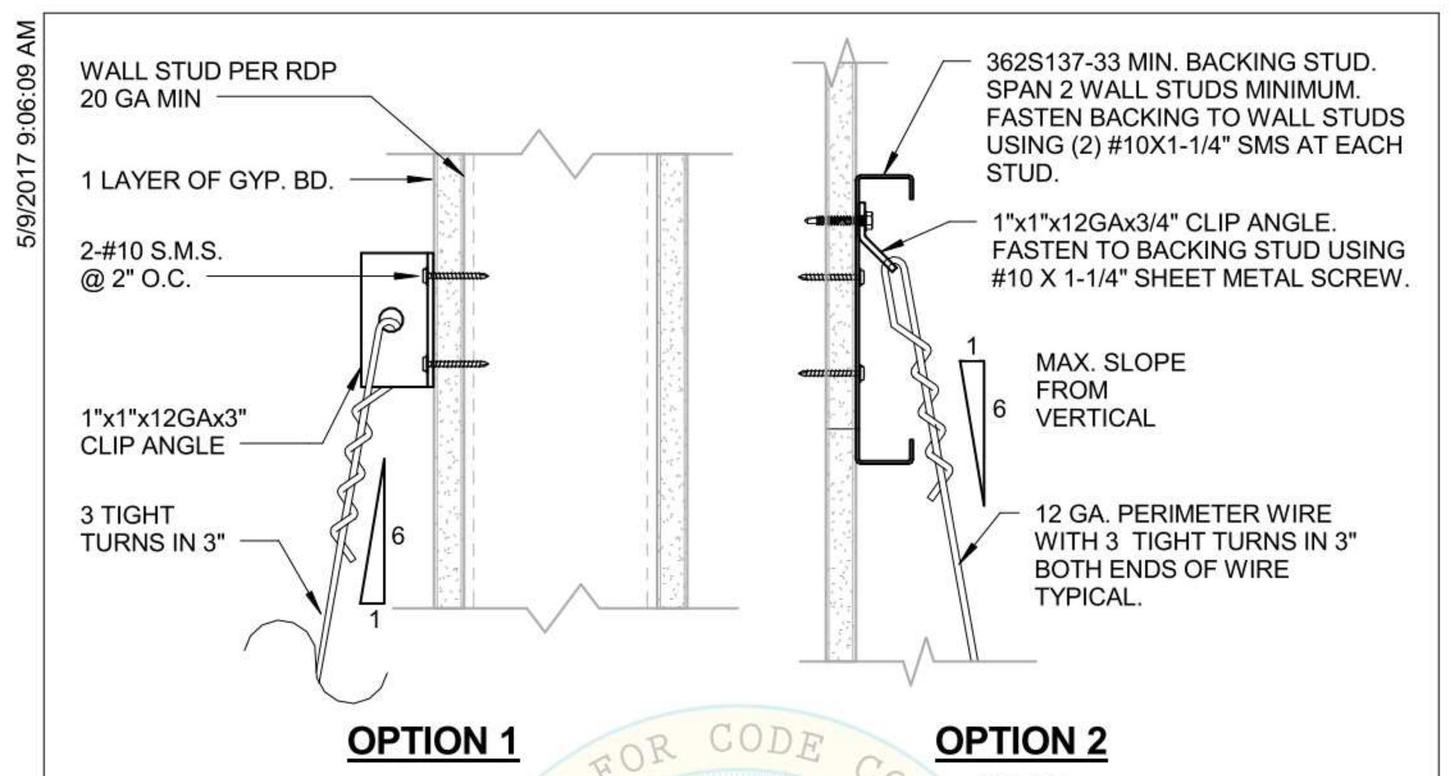

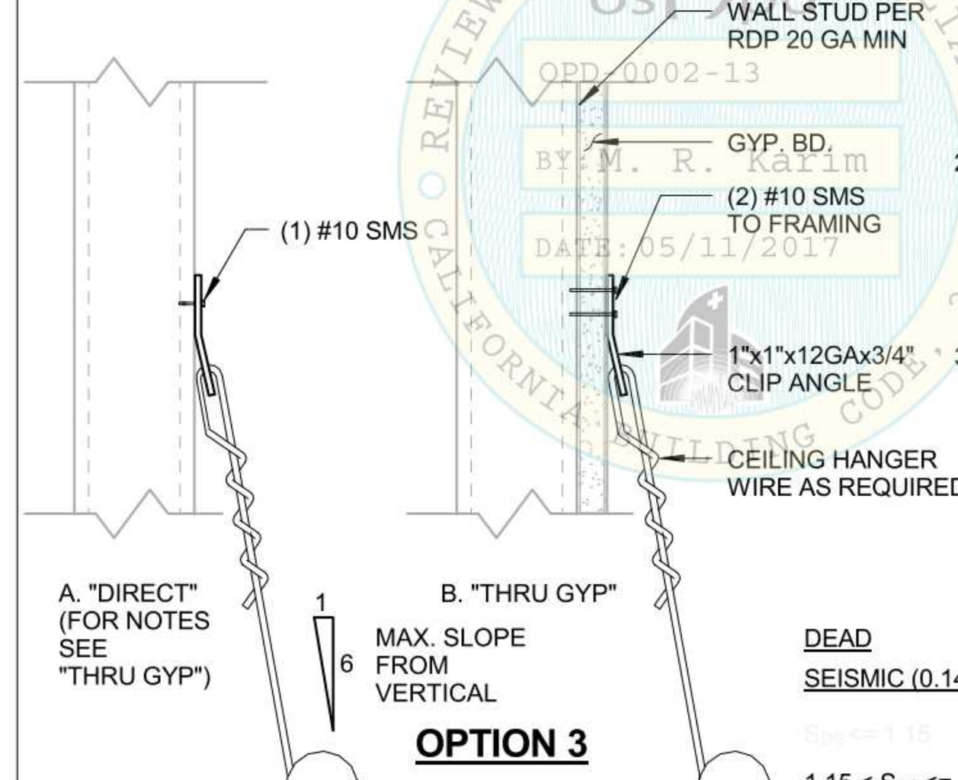

NOTES:

1. THIS IS APPLIED FOR PERIMETER WIRE ATTACHEMENT OR WHERE OBSTRUCTION PREVENTS ATTACHMENT TO STRUCTURE ABOVE
2. RDP SHALL DESIGN FRAMING WALL TO CARRY THE CEILING LOAD. SEE TABLE BELOW FOR LOADS. LOADS ASSUME A TRIBUTARY AREA OF 16 SQ FT AND ARE UNFACTORED.
3. WALLS SHALL BE DESIGNED FOR HANGER FORCES BELOW. AT FREE JOINT, HANGER WIRE SHALL HAVE A MINIMUM STRETCH LENGTH (CLR LENGTH BTWN TURNS) OF12"

HANGER FORCES

	VERTICAL	HORIZONTAL
DEAD	64 LBS	11 LBS
SEISMIC (0.14S_{DS} Wp)		
S_{DS} <= 1.15	11 LBS	2 LBS
1.15 < S_{DS} <= 1.73	16 LBS	3 LBS
1.73 < S_{DS} <= 2.50	23 LBS	4 LBS

Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS — OPD No:
Sheet Title : HANGER WIRE CONNECTION TO METAL STUD WALL — CL4.25

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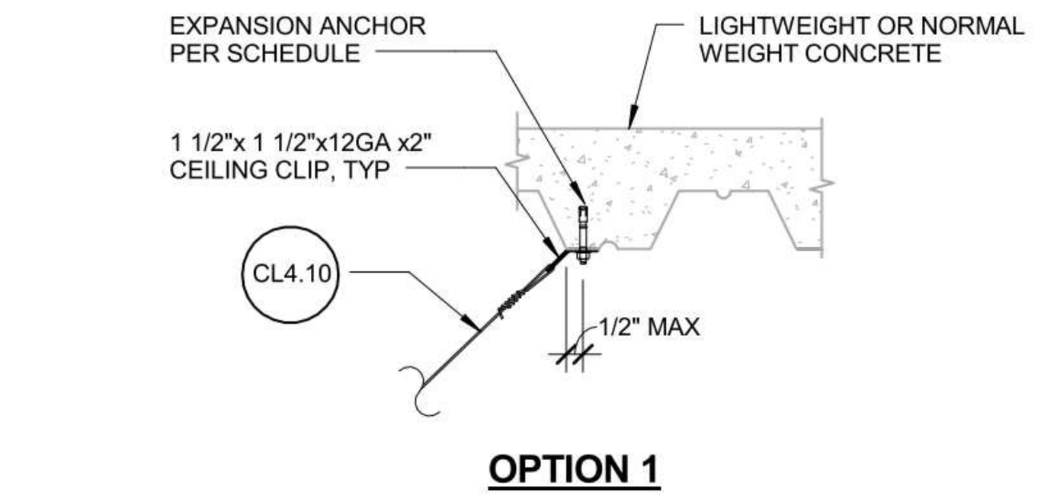
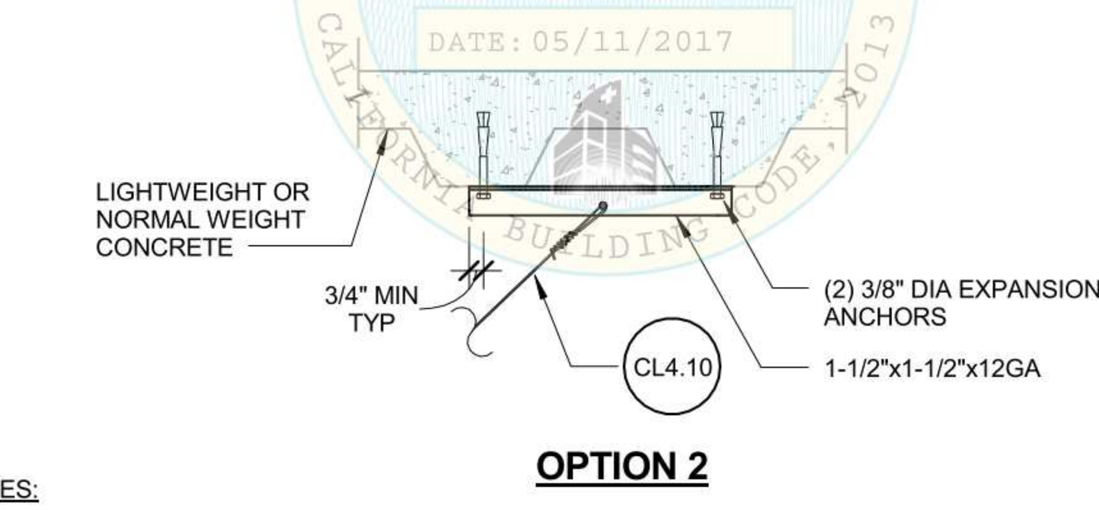


ANCHOR BOLT SIZE	SPLAY BRACE/COMP POST SPACING	S_{DS} (g) RANGE (z/h = 1.0)	DECK TYPE
5/8 x 4 1/4" EMBED	8' x 8' (PER CL2.20)	1.73<S_{DS}≤2.5 (PER CL2.20)	W3 + 3 1/4" MIN PER CL1.20
5/8 x 4 1/4" EMBED	8' x 12' (PER CL2.21)	1.15<S_{DS}≤1.73 (PER CL2.21)	W3 + 3 1/4" MIN PER CL1.20
5/8 x 4 1/4" EMBED	12' x 12' (PER CL2.22)	0<S_{DS}≤1.15 (PER CL2.22)	W3 + 3 1/4" MIN PER CL1.20
3/8 x 2" EMBED³	8' x 8' (PER CL2.20)³	0.76<S_{DS}≤1.14 (IN LIEU OF S_{DS} SHOWN ON CL2.20)³	W3 + 3 1/4" MIN PER CL1.20 OR B 1 1/2" + 2 1/4" MIN PER CL1.22
3/8 x 2" EMBED³	8' x 12' (PER CL2.21)³	0.51<S_{DS}≤0.76 (IN LIEU OF S_{DS} SHOWN ON CL2.21)³	W3 + 3 1/4" MIN PER CL1.20 OR B 1 1/2" + 2 1/4" MIN PER CL1.22
3/8 x 2" EMBED³	12' x 12' (PER CL2.22)³	0<S_{DS}≤0.51 (IN LIEU OF S_{DS} SHOWN ON CL2.22)³	W3 + 3 1/4" MIN PER CL1.20 OR B 1 1/2" + 2 1/4" MIN PER CL1.22



NOTES:

1. LOAD TEST IN ACCORDANCE WITH GENERAL NOTE 14(g), PAGE CL0.02 SHALL BE REQUIRED
2. REFER TO CL4.10 FOR ADDITIONAL DETAILS
3. RDP CAN USE SMALLER EXPANSION BOLT SIZE AND SHALLOWER EMBEDMENT DEPTH SHOWN, PROVIDED VERTICAL STRUT/BRACING WIRE SPACING IS REDUCED AS SHOWN, IN LIEU OF SPACINGS SHOWN ON CL2.20, CL2.21, AND CL2.22.

Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS — OPD No:
Sheet Title : BRACING WIRE CONNECTION TO CONCRETE OVER METAL DECK — CL4.31

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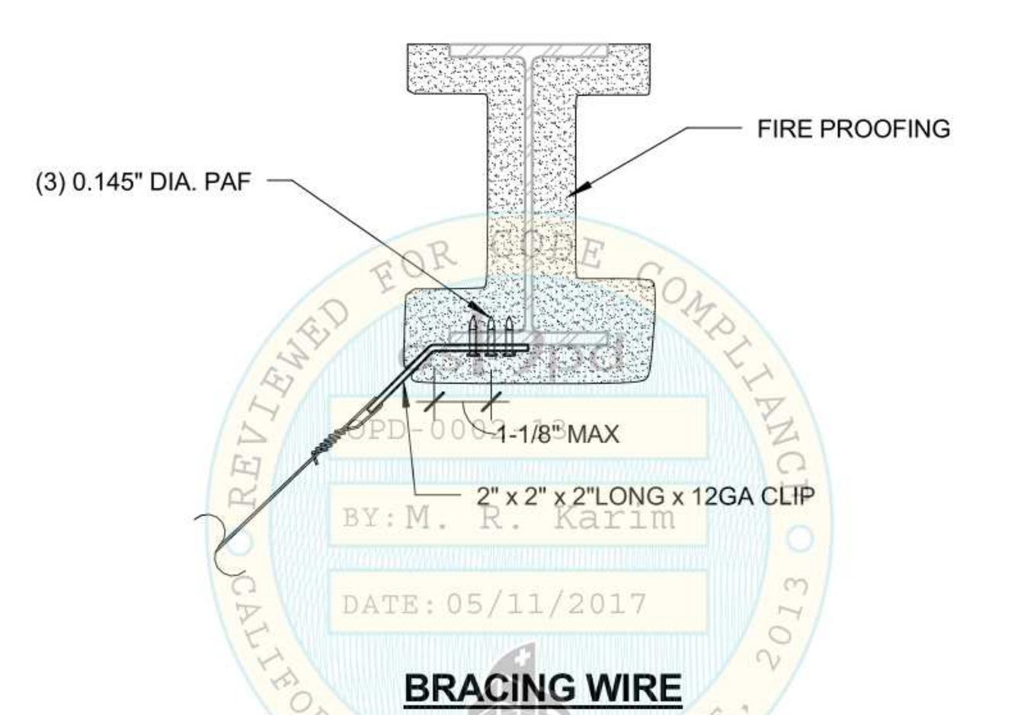
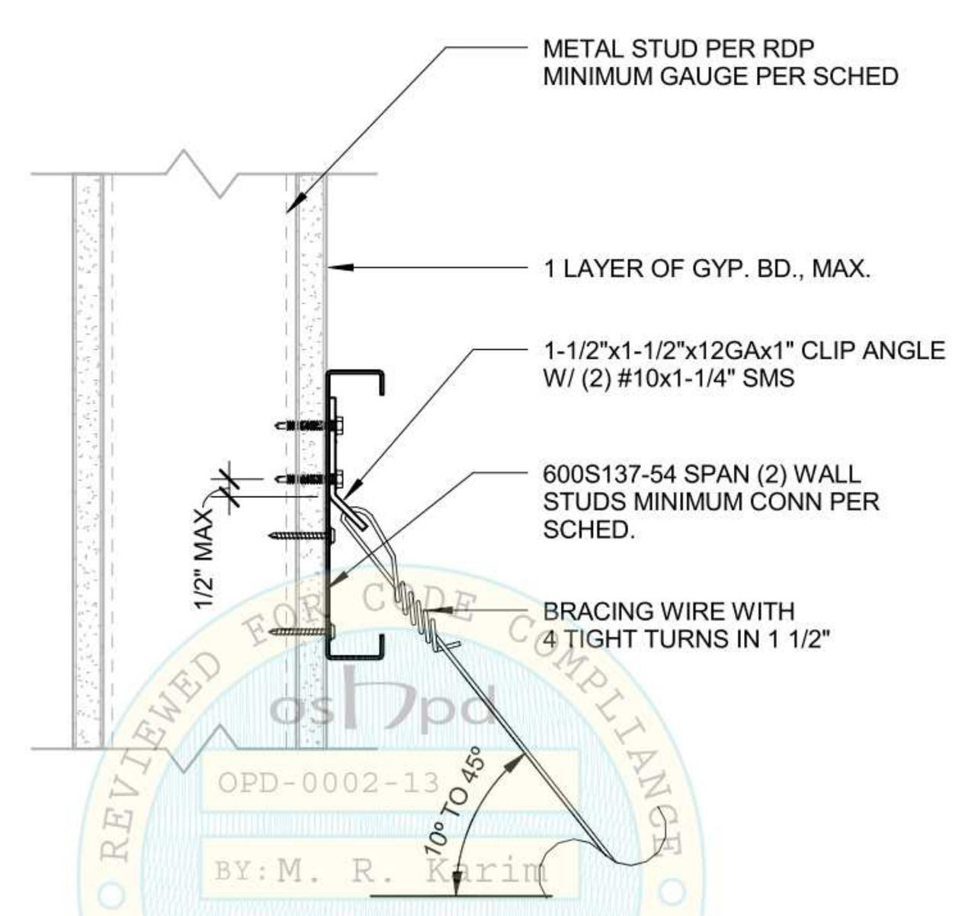


NOTES :

1. BEAM FLANGE THICKNESS SHALL NOT BE LESS THAN 3/16" OR MORE THAN 3/8"
2. FRAMING MEMBERS SHALL BE DESIGNED TO CARRY THE CEILING LOADS, RDP TO VERIFY
3. RDP IN RESPONSIBLE CHARGE, I.O.R. AND CONTRACTOR SHALL VERIFY THAT NO PAF IS INSTALLED IN THE PROTECTED ZONE OF ANY STEEL MEMBER, SEE ANSI/AISC 341-10.

Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS — OPD No:
Sheet Title : BRACING WIRE CONNECTION TO STRUCTURAL STEEL — CL4.33

5/9/2017 9:06:10 AM



WALL STUD GAUGE	CONN TO WALL STUD	CONN TO WALL STUD ALT ³
20 GA	(5) #10x1-1/4" SMS	(3) #10x1-1/4" SMS
18 GA	(4) #10x1-1/4" SMS	(2) #10x1-1/4" SMS

NOTES:

1. RDP SHALL DESIGN FRAMING WALL TO CARRY THE CEILING LOAD PER NOTE #2.
2. SEISMIC BRACE WIRE FORCE = 473 LBS (LRFD LOAD). BRACING WIRE SHALL HAVE A MINIMUM STRETCH LENGTH (CLR LENGTH BTWN TURNS) OF 12", WHEN USED AT FREE JOINT.
3. APPLIES WHERE CLIP ATTACHED DIRECTLY TO WALL STUD.

Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS — OPD No:
Sheet Title : BRACING WIRE CONNECTION TO METAL STUD WALL — CL4.35

5/9/2017 9:06:10 AM

STRUCTURAL CONDITION OF FLOOR / ROOF ABOVE STRUT	APPLICABLE DETAIL
CONCRETE OVER METAL DECK	CL5.20
CONCRETE SLAB, BEAM, OR JOIST	CL5.30
STRUCTURAL STEEL	CL5.40
SAWN TIMBER WITH GYPSUM BOARD	CL5.50
SAWN TIMBER WITHOUT GYPSUM BOARD	CL5.60

Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS — OPD No:
Sheet Title : STRUT CONNECTION - CONNECTION MATRIX — CL5.10

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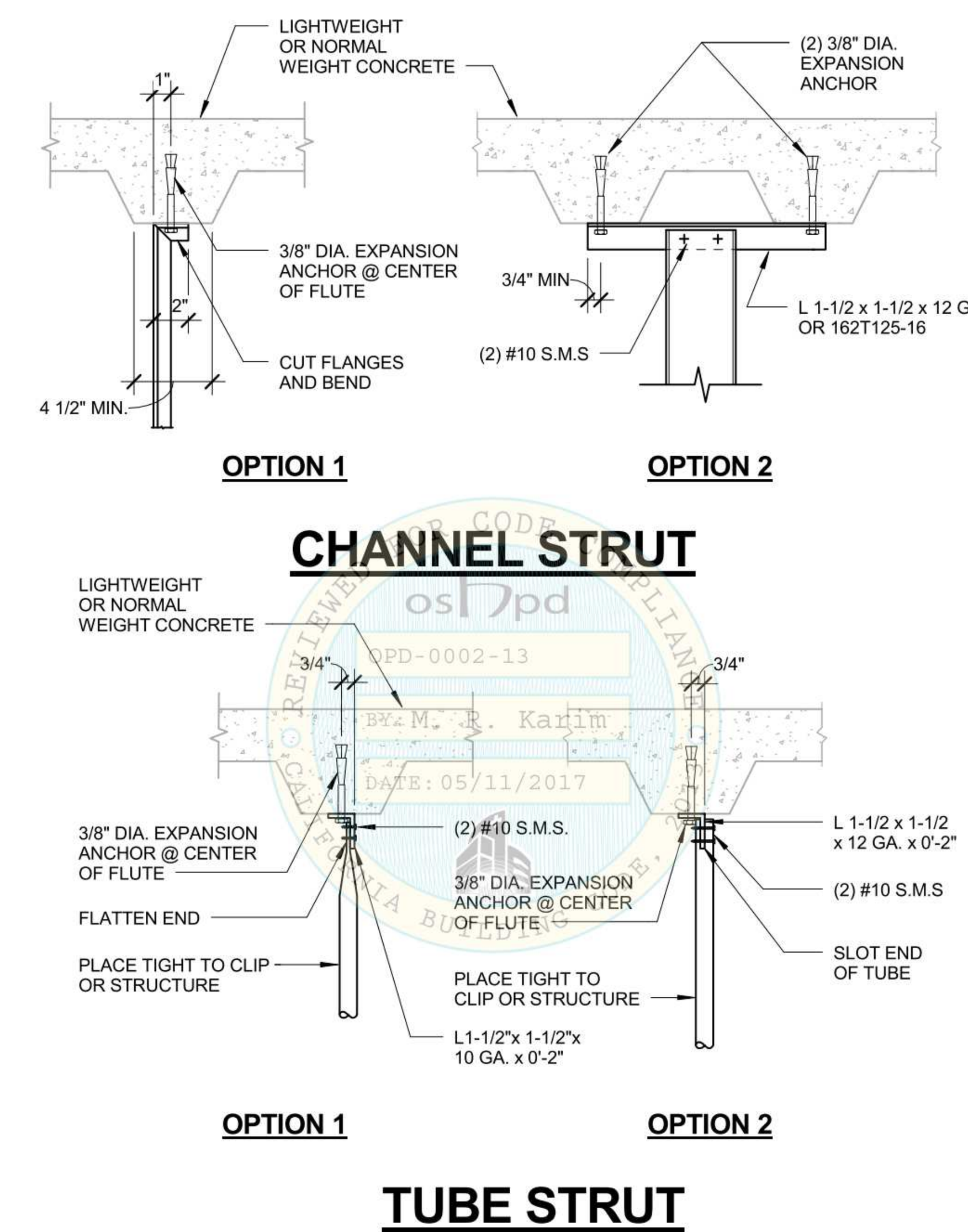

Section Title : OSHPD STANDARD SUSPENDED CEILING DETAILS — OPD No:
Sheet Title : STRUT CONNECTION TO CONCRETE OVER METAL DECK — CL5.20

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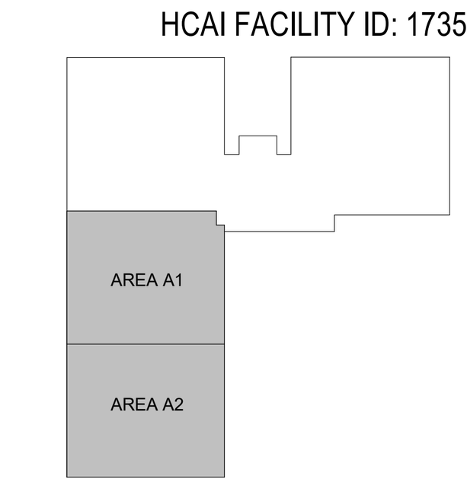
HCAI RECORD NUMBER: S240593-27-00
HCAI FACILITY ID: 17353



KEYPLAN

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S240593-27-00
Russell Rocker

HCAI APPROVAL

LICENSED ARCHITECT
ANNA R. KEMPF
C-39256
JUNE 30, 2025
RENEWAL DATE
STATE OF CALIFORNIA

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

CEILING DETAILS - ACOUSTICAL TILE/LAY-IN PANEL OPDS

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

A671.3

CONSTRUCTION DOCUMENT

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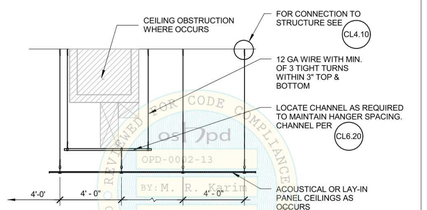
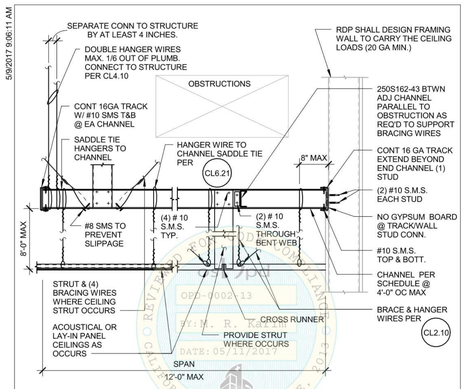


TRAPEZE SUPPORT

Section Title :	OSHPD STANDARD SUSPENDED CEILING DETAILS
Sheet Title :	OBSTRUCTION - TRAPEZE CONDITION
OPD No:	CL6.10

5/9/2017 9:06:11 AM



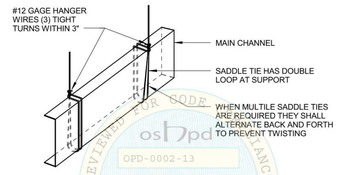
WALL WHERE OCCURS

DBL. SECTION

SPAN	SECTION
4'-0"	250S162-43
8'-0"	400S162-54
12'-0"	(2) 400S162-54

Section Title :	OSHPD STANDARD SUSPENDED CEILING DETAILS
Sheet Title :	OBSTRUCTION-BRIDGE AT LARGE OFFSET CONDITION
OPD No:	CL6.20

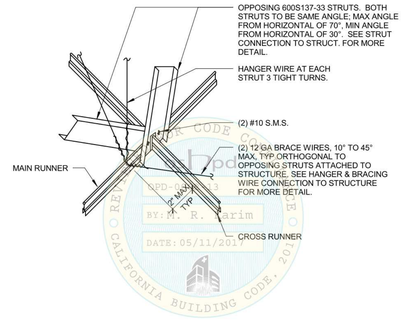
5/9/2017 9:06:11 AM



SADDLE TIE AT MAIN RUNNER TO HANGER WIRE

Section Title :	OSHPD STANDARD SUSPENDED CEILING DETAILS
Sheet Title :	SADDLE TIE DETAIL
OPD No:	CL6.21

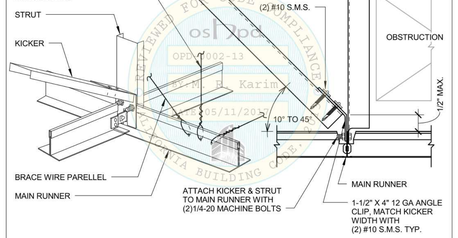
5/9/2017 9:06:11 AM



OPPOSING STRUT FOR CEILING

Section Title :	OSHPD STANDARD SUSPENDED CEILING DETAILS
Sheet Title :	OBSTRUCTION-COUNTER SLOPING STRUTS
OPD No:	CL6.30

5/9/2017 9:06:12 AM



ISOMETRIC VIEW **SIDE VIEW**

T-BAR CEILING - WIRE OBSTRUCTION DETAIL W/ STUD KICKER, LESS BRACING WIRES, TO DECK.

Section Title :	OSHPD STANDARD SUSPENDED CEILING DETAILS
Sheet Title :	OBSTRUCTION-STUD KICKER TO OVERHEAD
OPD No:	CL6.50

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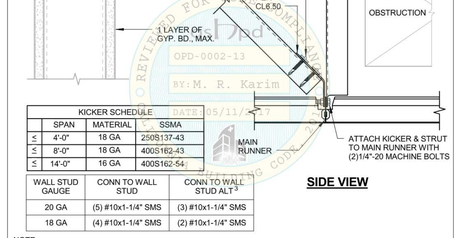

KICKER SCHEDULE			
	SPAN	MATERIAL	SSMA
VA	4'-0"	18 GA	250S137-43
VA	8'-0"	18 GA	400S162-43
VA	14'-0"	16 GA	400S162-54

WALL STUD GAUGE	CONN TO WALL STUD	CONN TO WALL STUD ALT [3]
20 GA	(5) #10x1-1/4" SMS	(3) #10x1-1/4" SMS
18 GA	(4) #10x1-1/4" SMS	(2) #10x1-1/4" SMS

SIDE VIEW

NOTE:
1. KICKER BRACING IS AN ALTERNATE TO BRACING WIRES. THIS METHOD MAY BE USED IN LIEU OF OPPOSING WIRES AT ATTACHED JOINT ONLY. NOT PERMITTED AT FREE JOINT

2. RDP SHALL DESIGN FRAMED WALLS TO CARRY THE CEILING LOADS
3. APPLIES WHERE CLIP ATTACHED DIRECTLY TO WALL STUD.

T-BAR CEILING - WIRE OBSTRUCTION DETAIL W/ STUD KICKER, LESS BRACING WIRES, TO WALL

Section Title :	OSHPD STANDARD SUSPENDED CEILING DETAILS
Sheet Title :	OBSTRUCTION-STUD KICKER TO WALL - PAGE 1 OF 2
OPD No:	CL6.60

5/9/2017 9:06:12 AM

ANCHOR BOLT SIZE	SPLAY BRACE/COMP POST SPACING	SDS (g) RANGE (z/h = 1.0)	DECK TYPE
5/8 x 4 1/4" EMBED	8' x 12' (PER CL2.21)	1.15<Sds≤1.73 (PER CL2.21)	W3 + 3 1/4" MIN PER CL1.20

NOTE:

1. RDP CAN USE SMALLER EXPANSION BOLT SIZE AND SHALLOWER EMBEDMENT DEPTH SHOWN, PROVIDED VERTICAL STRUT/BRACING WIRE SPACING IS REDUCED AS SHOWN, IN LIEU OF SPACINGS SHOWN ON CL2.20, CL2.21, AND CL2.22.

Section Title :	OSHPD STANDARD SUSPENDED CEILING DETAILS
Sheet Title :	OBSTRUCTION-STUD KICKER TO WALL - PAGE 2 OF 2
OPD No:	CL6.61

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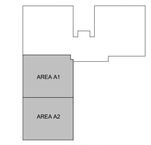

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Russell Rocker

HCAI APPROVAL

LICENSED ARCHITECT
ANNA R. KEMPF
C-39256
JUNE 30, 2025
RENEWAL DATE
STATE OF CALIFORNIA

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

CEILING DETAILS - ACOUSTICAL TILE/LAY-IN PANEL OPDS

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

A671.4

CONSTRUCTION DOCUMENT

5/9/2017 9:07:27 AM

SUSPENDED GYP BOARD CEILING GENERAL NOTES

1. CONSTRUCTION, WORKMANSHIP AND MATERIAL SHALL CONFORM TO THE 2013 CALIFORNIA BUILDING STANDARDS CODE (CBSC 2013).
2. THE CONTRACTOR SHALL NOTIFY OSHPD AND THE REGISTERED DESIGN PROFESSIONAL (RDP) 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.
3. THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO CONSTRUCT THE HOSPITAL BUILDING IN ACCORDANCE WITH THE CALIFORNIA BUILDING STANDARD CODE, 2013 (CBSC 2013). SHOULD ANY CONDITION DEVELOP NOT COVERED BY THE APPROVED CONSTRUCTION DOCUMENTS WHEREIN THE WORK WILL NOT COMPLY WITH CBSC 2013, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY OSHPD BEFORE PROCEEDING WITH THE WORK.
4. GALVANIZED METAL STUDS, TRACKS AND SHEET STEEL SHALL CONFORM TO ASTM A653-11 MATERIAL, OR OTHER EQUIVALENT ASTM LISTED MATERIALS IN SECTION A2.1 OF THE AISI SI00-07/S2-10, NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS WITH SUPPLEMENT 2, DATED 2010, WITH A MINIMUM YIELD STRENGTH OF 33 KSI FOR 43 MIL (18 GAGE) AND LIGHTER AND MINIMUM YIELD STRENGTH OF 50 KSI FOR HEAVIER GAGES.

   METAL STUDS AND TRACKS SHALL BE OF SIZE, THICKNESS AND SECTION PROPERTIES SHOWN ON TABLES 1-1, 1-2 AND 1-3 OF THE AISI MANUAL, COLD-FORMED STEEL DESIGN, 2008 EDITION. THE RDP IN RESPONSIBLE CHARGE SHALL OBTAIN OSHPD APPROVAL FOR ANY SUBSTITUTIONS.
5. THESE OPD REFER TO FASTENER TYPE AND SIZE BUT DO NOT SPECIFY OR ENDORSE A SPECIFIC MANUFACTURER. THE RDP IN RESPONSIBLE CHARGE SHALL SELECT A MANUFACTURER AND SELECTED FASTENER CAPACITIES SHALL MATCH OR EXCEED THE STRENGTHS LISTED HEREIN. THE FOLLOWING REQUIREMENTS SHALL ALSO BE MET:

   SHEET METAL SCREWS SHALL COMPLY WITH ASTM C 1513-10, ASME B18.6.4-98 (R2005) AND ICC-ES AC 118 AND ALLOWABLE STRENGTH SHALL BE BASED ON INFORMATION PROVIDED IN GX1.31 AND GX1.32. PENETRATION OF SCREWS THROUGH JOINED MATERIAL SHALL NOT BE LESS THAN THREE EXPOSED THREADS.

Section Title : OSHPD STANDARD GYPSUM BOARD CEILING DETAILS	OPD No:
Sheet Title : JOISTED GYP BOARD CEILING GENERAL NOTES	CJ0.00

5/9/2017 9:07:27 AM

6. DESIGN CRITERIA
   a. BUILDING CODE: 2013 CALIFORNIA BUILDING CODE (2013 CBC), ASCE 7-10, AND AISI S100-07/S2-10. FOR LOAD COMBINATIONS, ALLOWABLE STRESS DESIGN SHALL BE IN ACCORDANCE WITH 2013 CBC SECTION 1605A.3.1.
   b. FASTENER CAPACITIES TABLES WERE DEVELOPED BASED ON ICC REPORTS BY SEVERAL MANUFACTURERS.
   c. THE DESIGN ASSUMES THAT BUILDING ELEMENTS AND SUPPORTS, TO WHICH THE COMPONENTS ADDRESSED IN THIS DOCUMENT ARE ATTACHED, HAVE SUFFICIENT CAPACITY TO CARRY THE LOADS IMPOSED BY THE COMPONENTS IN COMBINATION WITH ALL OTHER LOADS. EVALUATION OF THE CAPACITY OF THESE SUPPORTING BUILDING ELEMENTS IS BEYOND THE SCOPE OF THE OPD. RDP SHALL DESIGN THE WALLS SUPPORTING JOISTED CEILING FOR GRAVITY AND SEISMIC FORCES FROM THE CEILING IN ADDITION TO OTHER WALL/SIGN LOADS.
   d. THIS OPD IS LIMITED TO CEILING ASSEMBLIES HAVING MAXIMUM DEAD WEIGHT OF 4 PSF, INCLUDING LIGHTING FIXTURES (LUMINERIES) AND MECHANICAL SERVICES. EACH WEIGHING LESS THAN 56 LBS AND ATTACHED TO CEILING FRAMING SYSTEM. HEAVIER SYSTEM AND THOSE SUPPORTING LATERAL FORCES FROM PARTITION WALLS ARE OUTSIDE THE SCOPE OF THIS OPD AND WILL REQUIRE PROJECT SPECIFIC DESIGN.
7. THE RDP IN RESPONSIBLE CHARGE SHALL VERIFY THE FIRE RESISTENCE AND ACOUSTICAL RATINGS FOR ALL CEILING ASSEMBLIES.
8. CEILING FIXTURES, TERMINALS, AND DEVICES:
   a. ALL LIGHT FIXTURES, AIR TERMINALS/GRILLS, OR OTHER DEVICES (REFERRED TO ALL BY COMMON TERM FIXTURES HEREAFTER) SHALL BE MOUNTED IN A MANNER THAT WILL NOT COMPROMISE CEILING PERFORMANCE.
   b. ALL LIGHT FIXTURES SHALL BE SUPPORTED DIRECTLY BY JOIST FRAMING OR BY SUPPLEMENTAL FRAMING WHICH IS SUPPORTED BY JOIST FRAMING AND POSITIVELY ATTACHED WITH SCREWS OR OTHER APPROVED CONNECTORS.
   c. SURFACE MOUNTED FIXTURES SHALL BE ATTACHED TO JOIST FRAMING WITH A POSITIVE CLAMPING DEVICE MADE OF MATERIAL WITH A MINIMUM OF 14 GAGE. ROTATIONAL SPRING CLAMPS DO NOT COMPLY.
   d. 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: 1. DO NOT CLIMB, WALK, OR CRAWL ON THE GYPSUM BOARD CEILING.
      2. DO NOT STORE OR STOW ANYTHING ON THE GYPSUM BOARD CEILING.
   e. ALL LIGHT FIXTURES WEIGHING LESS THAN OR EQUAL TO 10 LB. SHALL HAVE ONE NO. 12 GAUGE SAFETY WIRE CONNECTED FROM FIXTURE HOUSING TO STRUCTURE ABOVE. IT IS NOT NECESSARY FOR THESE SAFETY WIRES TO BE TAUT.
   f. ALL LIGHT FIXTURES WEIGHING GREATER THAN 10 LB BUT LESS THAN 56 LB. SHALL HAVE TWO NO. 12 GAUGE WIRE CONNECTED FROM FIXTURE HOUSING TO STRUCTURE ABOVE. IT IS NOT NECESSARY FOR THESE SAFETY WIRES TO BE TAUT.
   g. ALL LIGHT FIXTURES WEIGHING GREATER THAN 56 LB. SHALL BE SUPPORTED DIRECTLY FROM STRUCTURE ABOVE BY APPROVED HANGERS.
   h. PENDENT-HUNG FIXTURES SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE USING NO LESS THAN NO. 9-GAUGE WIRE OR AN APPROVED ALTERNATE SUPPORT. THE CEILING SUSPENSION SYSTEM SHALL NOT PROVIDE ANY DIRECT SUPPORT.
   i. ALL RECESSED OR DROP-IN FIXTURES SHALL BE SUPPORTED DIRECTLY FROM FIXTURE HOUSING TO THE STRUCTURE ABOVE WITH A MINIMUM OF TWO NO. 12 GAUGE WIRES LOCATED AT DIAGONALLY OPPOSITE CORNERS. LEVELLING OR POSITIONING OF FIXURES MAY BE PROVIDED BY JOIST FRAMING. FIXTURE SUPPORT WIRES MAY BE SLIGHTLY LOOSE TO ALLOW THE FIXTURE TO SEAT IN THE JOIST FRAMING. FIXTURES SHALL NOT BE SUPPORTED FROM JOIST FRAMING IF THE WEIGHT OF THE FIXTURES CAUSES TOTAL DEAD LOAD TO EXCEED THE DEFLECTION CAPABILITY OF THE CEILING SUSPENSION SYSTEM.

Section Title : OSHPD STANDARD GYPSUM BOARD CEILING DETAILS	OPD No:
Sheet Title : JOISTED GYP BOARD CEILING GENERAL NOTES	CJ0.01

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9. CEILINGS THAT ARE PART OF A FIRE RATED ASSEMBLY: PROVIDE A DETAIL AND DESIGN NUMBER FOR RATED CEILING ASSEMBLIES FROM AN APPROVED TESTING AGENCY. THE COMPONENTS AND INSTALLATION DETAILS CONFORM IN EVERY RESPECT WITH THE LISTED DETAIL AND NUMBER. DETAILS SHALL CLEARLY DEPICT ALL COMPONENTS, INCLUDING INSULATION MATERIALS, FRAMING AND ATTACHMENT OF THE DESIGN SO THAT THE ASSEMBLY CAN BE CONSTRUCTED AND INSPECTED ACCORDINGLY. POP RIVETS, SCREWS, OR OTHER ATTACHMENTS ARE NOT ACCEPTABLE UNLESS SPECIFICALLY DETAILED ON THE DRAWINGS AND APPROVED BY APPROVED TESTING AGENCY.

METAL STUDS

1. COLD-FORMED STEEL LIGHT-FRAME CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2013 CBC SECTIONS 2210A AND 2211A.
2. ALL LIGHTGAGE METAL FRAMING SHALL CONFORM WITH THE FOLLOWING: (SEE GENERAL NOTE #4 FOR ADDITIONAL REQUIREMENTS)

GALVANIZED STUDS & TRACKS: 12 (97), 14 (68) OR 16 (54) GAGE (MILS)	ASTM A653-11, GR50 (Fy = 50,000 psi)
GALVANIZED STUDS & TRACKS: 18 (43) GAGE (MILS) AND LIGHTER SECTIONS	ASTM A653-11, GR 33 (Fy = 33,000 psi)
GALVANIZED BACKING PLATES:	ASTM A653-11, GR50 (Fy = 50,000 psi)
GALVANIZED END CLOSURES, BRIDGING AND ACCESSORIES:	ASTM A653-11, GR 33 (Fy = 33,000 psi)

MINIMUM STUD PROPERTIES SHALL BE PER GX1.40, TYP.

GYPSUM BOARD INSTALLATION

GYPSUM BOARD INSTALLATION SHALL COMPLY WITH ASTM C840-11:

1. GYPSUM BOARD SHALL CONSIST OF SINGLE-PLY ½" OR 5/8" THICK IN ACCORDANCE WITH ASTM C11-10a.
2. GYPSUM BOARD SHALL BE INSTALLED PERPENDICULAR TO FURRING WITH SCREWS AT 12" ON CENTER MAXIMUM, IN ACCORDANCE WITH ASTM C840-11.
3. GYPSUM BOARD SHALL BE ATTACHED TO FURRING/FRAMING WITH ASTM C1002-07 TYPE S (ASTM A568-11b GRADES 1018 TO 1022) SCREWS (NOT LESS THAN NO. 6 WITH MAJOR DIAMETER NOT LESS THAN 0.136 IN).

Section Title : OSHPD STANDARD GYPSUM BOARD CEILING DETAILS	OPD No:
Sheet Title : JOISTED GYP BOARD CEILING GENERAL NOTES	CJ0.02

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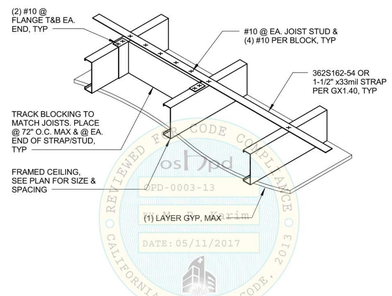

CEILING JOIST - FINISH ONE SIDE ONLY

Section Title : OSHPD STANDARD GYPSUM BOARD CEILING DETAILS	OPD No:
Sheet Title : JOISTED GYP BOARD CEILING BLOCKING DETAIL	CJ2.10

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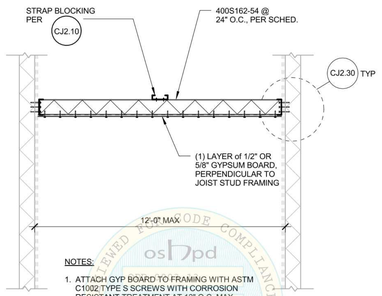


NOTES:

1. ATTACH GYP BOARD TO FRAMING WITH ASTM C1002 TYPE S SCREWS WITH CORROSION RESISTANT TREATMENT AT 12" O.C. MAX.
2. WHEN GYPSUM BOARD IS TO BE APPLIED TO BOTH CEILING AND WALLS, GYPSUM BOARD SHALL BE APPLIED FIRST TO THE CEILING AND THEN TO THE WALLS IN ACCORDANCE WITH ASTM C840.

JOIST GYP-BOARD CEILING SECTION

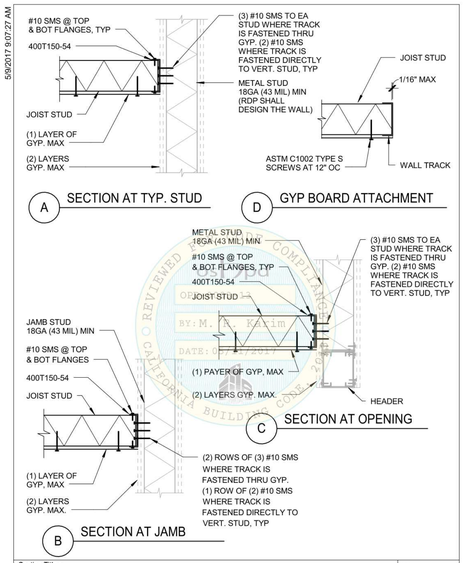
JOIST SPAN SCHEDULES

JOIST STUD SIZE	S_{DS} (g)	BRIDGING LOCATION	F_{in} ALLOWABLE FOR WALL DESIGN
SCHEDULE A - JOIST CONNECTION FASTENS THROUGH (2) LAYERS OF GYPSUM BOARD MAX			
400S162-54	1.15 < S_{DS} ≤ 1.73	MIDPOINT	9.9 plf

1. SEE CJ2.31 FOR TYPICAL 4'-1" x 2'-1" MAX OPENING IN JOISTED CEILING.

Section Title : OSHPD STANDARD GYPSUM BOARD CEILING DETAILS	OPD No:
Sheet Title : JOISTED GYP BOARD CEILING MAXIMUM SPANS	CJ2.20

5/9/2017 9:07:27 AM



Section Title : OSHPD STANDARD GYPSUM BOARD CEILING DETAILS	OPD No:
Sheet Title : JOISTED GYP BOARD CEILING CONNECTIONS	CJ2.30

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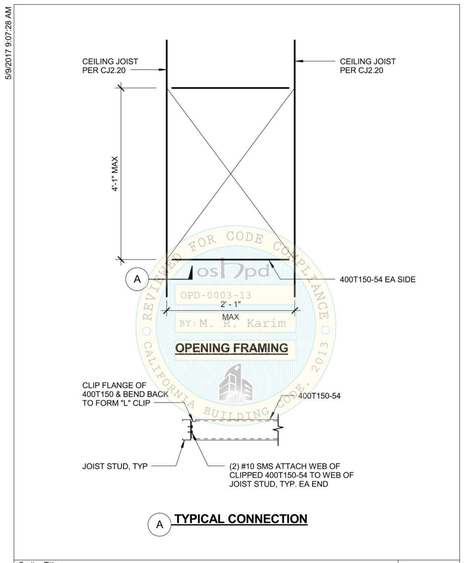

A TYPICAL CONNECTION

Section Title : OSHPD STANDARD GYPSUM BOARD CEILING DETAILS	OPD No:
Sheet Title : JOISTED GYP BOARD CEILING AT OPENINGS	CJ2.31

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INT-ELECT ENGINEERING
1487 FINCH LANE, GILROY, CA 95020
408.846.7171

INTERIOR DESIGNER
GALLUN SNOW
1900 GRANT STREET, SUITE 750,
DENVER, CO. 80203
303.433.9500

Natividad MEDICAL CENTER

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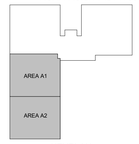
MEDICAL SURGERY DEPARTMENT LEVEL 3

1441 CONSTITUTION BOULEVARD
SALINAS, CA 93906

HCAI RECORD NUMBER:
S240593-27-00
HCAI FACILITY ID: 17353



KEYPLAN

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
4/9/2025, 1:09:36 PM
S240593-27-00
Russell Rocker

HCAI APPROVAL

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

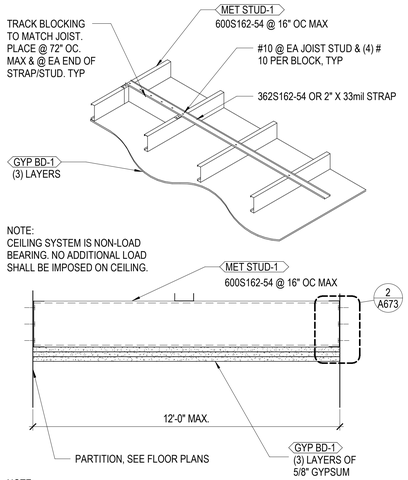
CEILING DETAILS - JOISTED GYP BOARD OPDS

DATE: APRIL 16, 2024

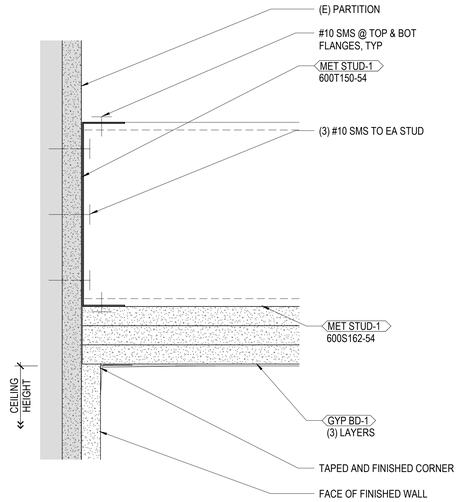
CONSTRUCTION DOCUMENTS

A672

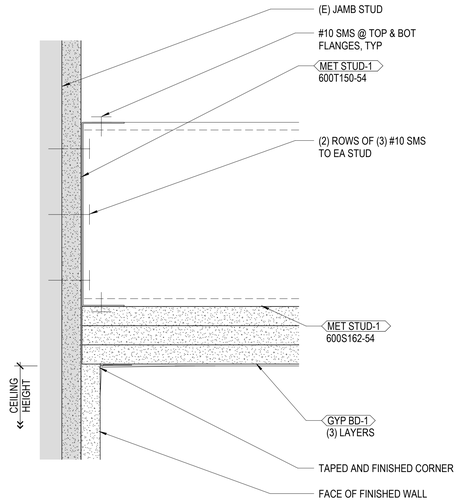
CONSTRUCTION DOCUMENT



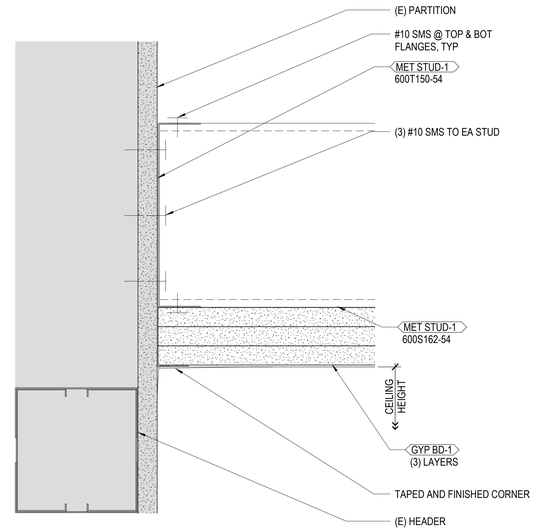
1 JOISTED GYPSUM BOARD CEILING (UL LISTING - I506)
1 1/2" = 1'-0"



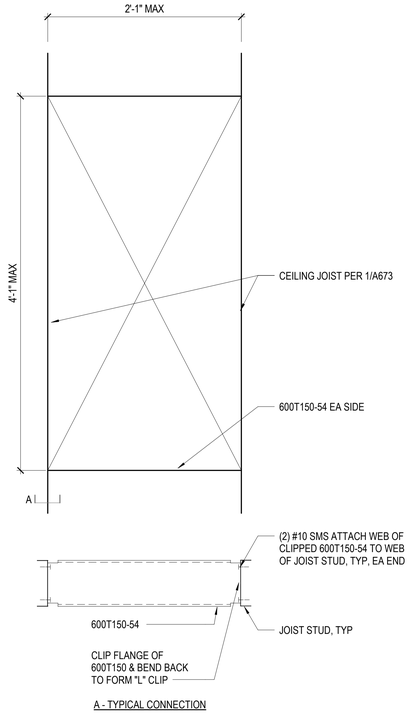
2 JOISTED GYPSUM BOARD CEILING AT WALL - SECTION @ TYP. STUD
6" = 1'-0"



3 JOISTED GYPSUM BOARD CEILING AT WALL - SECTION @ JAMB
6" = 1'-0"



4 JOISTED GYPSUM BOARD CEILING AT WALL - SECTION @ HEADER
6" = 1'-0"



5 JOISTED GYPSUM BOARD CEILING AT OPENINGS
1 1/2" = 1'-0"

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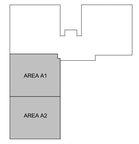

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HCAI APPROVAL

LICENSED ARCHITECT
ANNA R. KEMPF
C-39256
JUNE 30, 2025
RENEWAL DATE
STATE OF CALIFORNIA

AGENCY APPROVAL

NO	DESCRIPTION	DATE
BC1	BACKCHECK#1	12/13/2024

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

CEILING DETAILS - JOISTED GYP BOARD - 1HR RATED

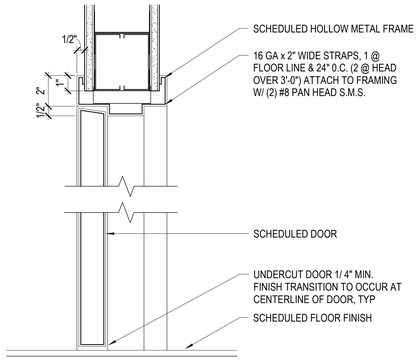
DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

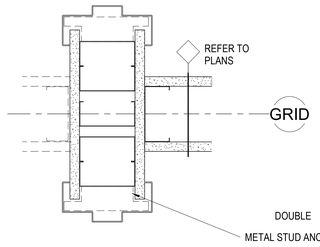
BC1

A673

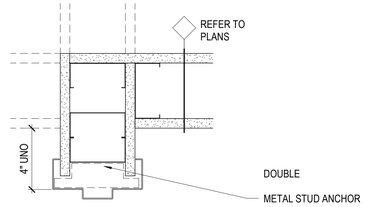
CONSTRUCTION DOCUMENT



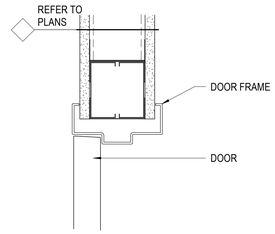
1 DOOR HEAD (JAMBS SIM) - HOLLOW METAL
3" = 1'-0"



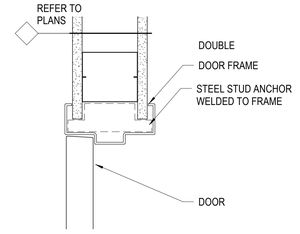
2 HM FRAME DETAILS - MET STUD PTN - JAMB
3" = 1'-0"



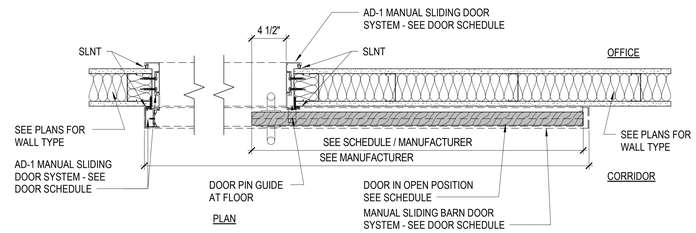
3 HM FRAME DETAILS - MET STUD PTN
3" = 1'-0"

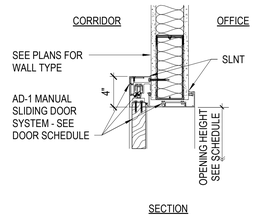


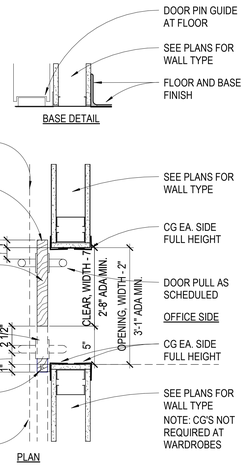
4 HM FRAME DETAILS - MET STUD PTN - HEAD
3" = 1'-0"

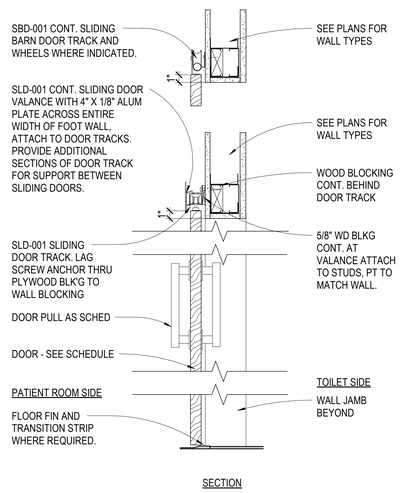


5 HM FRAME DETAILS - MET STUD PTN - JAMB
3" = 1'-0"









6 DOOR, SLIDING DETAILS
1 1/2" = 1'-0"

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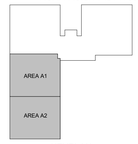

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LICENSED ARCHITECT
ANNA R. KEMPF
C-39256
JUNE 30, 2025
RENEWAL
STATE OF CALIFORNIA

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

OPENING DETAILS

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

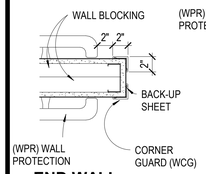
A680

CONSTRUCTION DOCUMENT

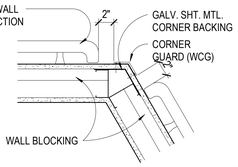
Author 4/29/2024 9:05:33 AM Autodesk Docs://Natividad Med Surg 3 Unit - 3707-016-00/A29- Natividad Med Surg 3 Unit - 3707-016-00.rvt

CORNER GUARD AND CRASH, HAND, CHAIR RAIL DETAIL NOTES :

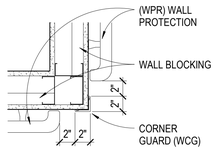
1. SEE PLANS FOR SPECIFIC CORNER GUARD AND WALL PROTECTION TYPES.
2. SHEET INTERIOR ELEVATIONS AND HANDRAIL/CRASHRAIL/BUMPER RAIL DETAIL FOR TYPICAL MOUNTING HEIGHTS.
3. SEE PLANS FOR PARTITION TYPES.
4. CORNER GUARD EXTEND FROM TOP OF WALL BASE TO 7' - 2" A.F.F., UNO
5. TYPES 1, 2 AND 3 ARE 90 DEGREE ANGLE TYPES. SEE ALSO PLANS AND MATERIAL ID CODES.
6. TYPES WITH A's ARE 45 DEGREE ANGLE TYPES.
7. TYPES WITH B's ARE 135 DEGREE ANGLE TYPES.
8. TYPES WITH C's ARE END WALL TYPES.



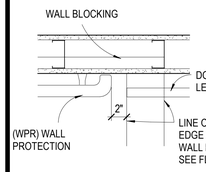
END WALL



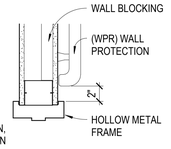
ANGLE WALL (135 DEG)



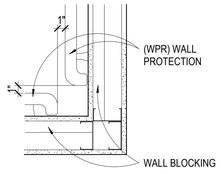
OUTSIDE CORNER (90 DEG)



DOOR END

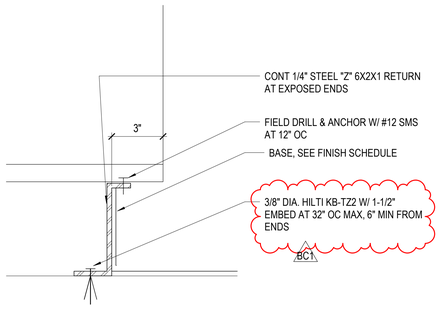


DOOR JAMB



INSIDE CORNER

1 WALL PROTECTION (WPR AND WCG) SETOUT DETAILS
1 1/2" = 1'-0"



2 LOCKER BASE
3" = 1'-0"

GENERAL NOTES - FINISH SCHEDULE

A. PTM DENOTES, PATCH AND REPAIR AS REQUIRED TO MATCH EXISTING FLOOR, WALL AND CEILING FINISHES/MATERIALS.
B. HOLLOW METAL DOORS AND FRAMES TO RECEIVE PT-1, UNO.
C. WOOD DOORS AND FRAMES TO BE WD-1, UNO.
D. CTW AND CTF GROUT LINES TO BE 1/8" WIDE, UNLESS NOTED OTHERWISE.
E. WALL PAINT PT-1, UNO.
F. GYPBOARD CEILINGS AND SOFFITS PT-1, UNO.
G. SEE CASEWORK GENERAL NOTES FOR TYPICAL CASEWORK CABINET AND COUNTERTOP TYPICAL FINISH, UNO.
H. WALL BRACKETS, COUNTERTOP BRACKETS, FIRE EXTINGUISHER CABINETS, FIN TUBE RADIATION UNITS, MECH. GRILLES AND ELECTRICAL PANELS NOT IN MECH. OR ELEC. ROOMS TO BE PT TO MATCH ADJACENT WALL SURFACE.
I. REFER TO WALL FINISH PLANS FOR WALL PROTECTION TYPES AND LOCATIONS.
J. PROVIDE WT-1 TO EXTERIOR WINDOWS UNO.
K. PROVIDE CORNER GUARDS WCG-1 FULL HEIGHT TO ALL OUTSIDE CORNERS IN HALLWAYS, EQUIPMENT, AND STORE ROOMS, UNO.
L. PROVIDE WALL PROTECTION TO ALL WALLS IN HALLWAYS, CRASH CART AND EQUIPMENT ALCOVES, UNO.
M. PROVIDE CTA-3 AT ALL EXTERIOR CTW CORNERS, PROVIDE SLNT AT ALL INTERIOR CTW CORNERS. SLNT TO MATCH GROUT COLOR.

SPECIFIC NOTES - FINISH SCHEDULE

1. ALCOVE OFF NURSE STATION - IF SO, FINISHES WILL MATCH.
2. CTW-1 ON PLUMBING WALLS AND ADJACENT WALLS WITHIN TOILET PARTITIONED AREAS, AS INDICATED ON DRAWINGS.
3. CTW-1, FULL HEIGHT ON WALLS SURROUNDING SHOWERS.
4. PROVIDE FRT WD-SHTG-1 BEHIND GYP BD TO DECK ABOVE.
5. FULL HEIGHT CTW-1.
6. RUBBER BASE AS REQUIRED ON GYP BD WALLS.
7. CTW-1 WAINSCOT TO 72" AFF WITH COORDINATING TRIM PEICES. PT ABOVE AS SCHEDULED.
8. REFER TO "I" SERIES DRAWINGS FOR FINISH INFORMATION.
9. 6" HIGH INTEGRAL COVE BASE.
10. COVE CEILING TO WALL.
11. PROVIDE RFT-1/RB-1 IN LOCKER ROOM AND CTF-1/CTB-1 IN TOILET ROOM.
12. WALLS TO RECEIVE CTW-1 WAINSCOT AS NOTED ON STANDARD DETAILS. CTW-2 AT TOP ROW OF WAINSCOT WALL FINISH EDGE. PT ABOVE AS SCHEDULED.
13. FRP WAINSCOT, 5'-0" HIGH AT GYP BD WALLS BEHIND AND ADJACENT TO CLINICAL SINK AND JANITOR RECEPTOR.

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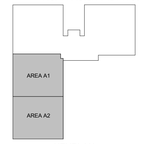

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ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

FINISH DETAILS

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

A690

CONSTRUCTION DOCUMENT

DOOR AND FRAME SCHEDULE

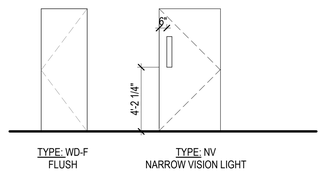
REV #	DOOR NUMBER	ROOM NAME	PANEL COUNT & WIDTH	PANEL HEIGHT	PANEL TYPE A	PANEL TYPE B	PANEL FINISH	PANEL GLAZING TYPE	FRAME TYPE	FRAME SIDELIGHT WIDTH	FRAME TRANSOM HEIGHT	FRAME FINISH	FRAME GLAZING TYPE	RATING	HDW GROUP	NOTES
LEVEL 03																
	01A.06A.27	SUP RN OFFICE	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--	BC1 △	32 GX	
BC1	01A.06A.60	EQUIPMENT STORAGE	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--	45	211.01 G	
	01A.06A.61	EQUIP RM.	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--	20	211.01 G	
	01A.06A.62	SOIL UTIL.	(1) 4' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--	20	211.01 G	
	01A.06A.63	BREAK ROOM	(1) 4' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--	20	211.01 GX	
	01A.06A.64	OFFICE	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		32 G	
	01A.06A.65	ANTE RM	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--	20	32 G	
	01A.06A.66	MEDS	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--	20	211.01 G	
	01A.06A.68	STAFF LOUNGE	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		11.02 G	
	01A.06A.69	STAFF LOUNGE	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--	20	211.01 G	
	01A.06A.70	COMM. RM	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--	20	211.01 G	
	01A.06A.71	ELEC RM	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--	20	34 G	
	01A.06A.72A	SUPPLY/MEDS ROOM	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--	20	211.01 G	
	01A.06A.72B	SUPPLY/MEDS ROOM	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--	20	211.01 G	
	01A.06A.73	SUPPLY PYXIS	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--	20	211.01 G	
BC1	01A.06A.74	CLEAN UTILITY	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--	45	211.01 GY	
	01A.06A.76	NUTRITION PANTRY/KITCHEN	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--	20	32 G	
	01A.06A.77A	WORK RM	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--	20	32 G	
	01A.06A.77B	WORK RM	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--	20	32 G	
	01A.06A.78	J.C.	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--	20	34 ADG	
	01A.06A.87	CNS OFFICE	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		32 G	
	01A.06A.88	WELLNESS ROOM	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--	20	31.02 G	
	01A.06A.89	OFFICE SUPPLY ROOM	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--	20	32 GY	
BC1	01A.80A.2	EQUIPMENT STORAGE	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--	45	211.01 G	
	311	SEMI-PRIVATE PATIENT RM	(1) 4' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--	BC1 △	10 GY	
	311A	SEMI-PRIVATE PATIENT RM	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		10 X	
	312	PRIVATE PATIENT RM	(1) 4' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		10 GY	
	312A	PRIVATE PATIENT RM	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		10 X	
	313	SEMI-(P) PATIENT RM	(1) 4' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		10 GY	
	313A	SEMI-(P) PATIENT RM	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		10 X	
	314	PRIVATE PATIENT RM	(1) 4' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		10 GY	
	314A	PAT H/C TOILET/SHWR	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		10 X	
	315	SEMI-(P) PATIENT RM	(1) 4' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		10 G	
	315A	SEMI-(P) PATIENT RM	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		10 X	
	316	PRIVATE PATIENT RM	(1) 4' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		10 GY	
	316A	PAT H/C TOILET/SHWR	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		10	
	317	SEMI-(P) PATIENT RM	(1) 4' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		10 GY	
	317A	SEMI-(P) PATIENT RM	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		10 X	
	318	PRIVATE PATIENT RM	(1) 4' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		10 GY	
	318A	PAT H/C TOILET/SHWR	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		10	
	319	SEMI-(P) PATIENT RM	(1) 4' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		10 GY	
	319A	SEMI-(P) PATIENT RM	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		10 X	
	320	PRIVATE PATIENT RM	(1) 4' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		10 GY	
	320A	PRIVATE PATIENT RM	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		10 X	
	321	SEMI-(P) PATIENT RM	(1) 4' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		10 GY	
	321A	SEMI-(P) PATIENT RM	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		10 X	
	322	SEMI-(P) PATIENT RM	(1) 4' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		10 GY	
	322A	SEMI-(P) PATIENT RM	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		10 X	
	323	SEMI-(P) PATIENT RM	(1) 4' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		10 GY	
	323A	SEMI-(P) PATIENT RM	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		10 X	
	324	SEMI-(P) PATIENT RM	(1) 4' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		10 GY	
	324A	SEMI-(P) PATIENT RM	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		10 X	
	325	SEMI-(P) PATIENT RM	(1) 4' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		10 GY	
	325A	SEMI-(P) PATIENT RM	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		10 X	
	326	PRIVATE PATIENT RM	(1) 4' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		10 GY	
	326A	PAT H/C TOILET/SHWR	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		10 G	
	327	SEMI-(P) PATIENT RM	(1) 4' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		10 GY	
	327A	SEMI-(P) PATIENT RM	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		10 X	
	328	PRIVATE PATIENT RM	(1) 4' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		10 GY	
	328A	PRIVATE PATIENT RM	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		10 X	
	329	IMC PATIENT RM	(1) 4' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		30 GY	
	329A	IMC PATIENT RM	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		10 X	
	329B	ANTE RM	(1) 4' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		30 GY	
	330	IMC PATIENT RM	(1) 4' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		30 GY	
	330A	IMC PATIENT RM	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		10 X	
	330B	ANTE RM	(1) 4' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		30 GY	
	331	SEMI-(P) PATIENT RM	(1) 4' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		10 GY	
	331A	SEMI-(P) PATIENT RM	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		10 X	
	332	SEMI-(P) PATIENT RM	(1) 4' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		10 GY	
	332A	SEMI-(P) PATIENT RM	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		10 X	
	333	SEMI-(P) PATIENT RM	(1) 4' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		10 GY	
	333A	SEMI-(P) PATIENT RM	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		10 X	
	334	IMC PATIENT RM	(1) 4' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		30 GY	
	334A	IMC PATIENT RM	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		10 X	
	334B	ANTE RM	(1) 4' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		30 GY	
	335	IMC PATIENT RM	(1) 4' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		30 GY	
	335A	IMC PATIENT RM	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		10 X	
	335B	ANTE RM	(1) 4' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		30 GY	
	336	IMC PATIENT RM	(1) 4' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		30 GY	
	336A	PAT IMC TOILET/SHWR	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		10 X	
	336B	ANTE RM	(1) 4' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		30 GY	
	337	IMC PATIENT RM	(1) 4' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		30 GY	
	337A	PAT IMC TOILET/SHWR	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		10 X	
	337B	ANTE RM	(1) 4' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		30 GY	
	338	SEMI-(P) PATIENT RM	(1) 4' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		10 GY	
	338A	SEMI-(P) PATIENT RM	(1) 3' - 0"	7' - 0"	F	--	HM	--	HM-002	0' - 0"	0' - 0"	SP-2	--		10 X	

DOOR ASSEMBLY SCHEDULE

REV #	DOOR NUMBER	ROOM NAME	WIDTH	HEIGHT	ASSEMBLY TYPE	DOOR PANEL FINISH	DOOR PANEL GLAZING TYPE	FRAME FINISH	FRAME GLAZING TYPE	RATING	HDW GROUP	NOTES
BC1	300	OFFICE	4' - 0"	7' - 0"	SD-4	WD-1	--	SP-2	--	-	7.02	

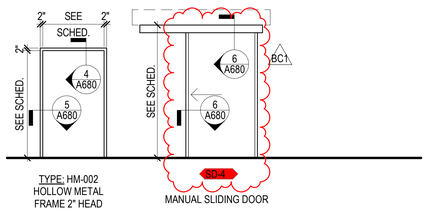
PANEL TYPES

REFER TO SCHEDULE FOR MATERIALS AND FINISHES



FRAME TYPES

REFER TO SCHEDULE FOR MATERIALS AND FINISHES



A. NOT ALL DOOR AND FRAME TYPES SHOWN HERE MAY BE USED IN THIS PROJECT.

B. REFER TO DOOR AND FRAME SCHEDULE, SEE DOOR ELEVATIONS AND DETAILS FOR FRAME TYPE, FRAME WIDTH AND RELATED DOOR GLAZING INFORMATION.

C. PROVIDE TEMPERED GLASS AT LOCATIONS INDICATED AND AS REQUIRED TO COMPLY WITH APPLICABLE CODES.

D. REFER TO PLANS FOR INTERIOR PARTITION TYPES AND EXTERIOR WALL TYPES.

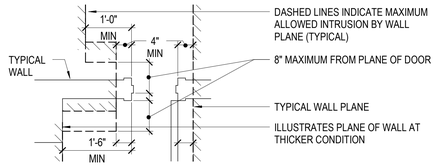
E. GROUT SOLID HOLLOW METAL FRAMES AT MASONRY PARTITIONS.

F. REFER TO DOOR AND FRAME SCHEDULE FOR FRAME WIDTHS AND FOR DOOR INFORMATION.

G. . WHERE FIRE-RATED PARTITIONS INTERSECT ANOTHER FIRE-RATED OR NON-RATED PARTITION, MAINTAIN HIGHER-RATED ASSEMBLY CONTINUITY ACROSS INTERSECTION.

1 DOOR AND FRAME GENERAL NOTES

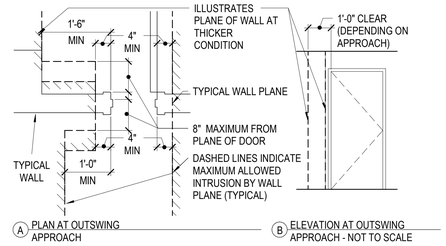
1'-0"=1'=0"



NOTE: AT NARROW CONDITIONS THE SETBACKS INCREASE DUE TO LACK OF WHEELCHAIR MOBILITY AREA - REFER TO ADA.

2 DOOR MANEUVERING CLEARANCES INSWING APPROACH

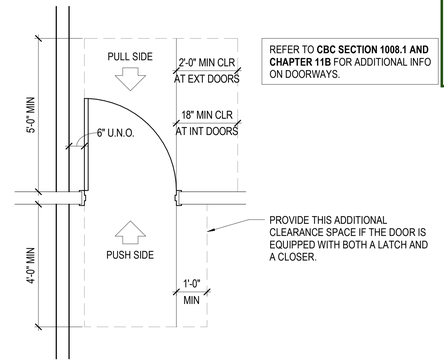
3/4" = 1'-0"



NOTE: AT NARROW CONDITIONS THE SETBACKS INCREASE DUE TO LACK OF WHEELCHAIR MOBILITY AREA - REFER TO ADA.

3 DOOR MANEUVERING CLEARANCES OUTSWING APPROACH

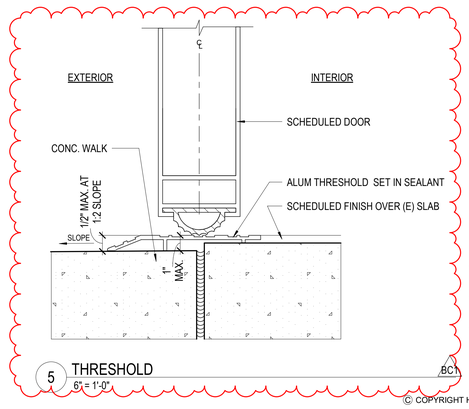
3/4" = 1'-0"



REFER TO **CBC SECTION 1008.1 AND CHAPTER 11B** FOR ADDITIONAL INFO ON DOORWAYS.

4 DOOR LOCATION & CLEARANCES

1/2" = 1'-0"



HGA

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408.846.7171

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1900 GRANT STREET, SUITE 750,
DENVER, CO. 80203
303.433.9500

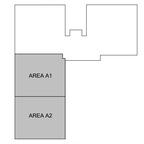
Natividad MEDICAL CENTER

NATIVIDAD MEDICAL CENTER

MEDICAL SURGERY DEPARTMENT LEVEL 3

1441 CONSTITUTION BOULEVARD
SALINAS, CA 93906

HCAI RECORD NUMBER:
S240593-27-00
HCAI FACILITY ID: 17353



KEYPLAN

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
4/9/2025, 1:09:36 PM
S240593-27-00
Russell Rocker

HCAI APPROVAL

AGENCY APPROVAL

△NO	DESCRIPTION	DATE
BC1	BACKCHECK#1	12/13/2024

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

DOOR SCHEDULE

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

A700

CONSTRUCTION DOCUMENT

00 - UL LISTING TABLE OF CONTENTS - (INDIVIDUAL ULs CAN BE FOUND IN THE PROJECT MANUAL - APPENDIX B)

02 - WALL...

			RATINGS			
REV.	LISTING	F	-	-	DESCRIPTION	PROPRIETARY MFR
	V497	1,2			WALL - NONBEARING	
	U419	1, 2, 3, 4			WALL - NONBEARING	
	U465	1			WALL - NONBEARING	

03 - HEAD OF WALL ASSEMBLIES

			RATINGS			
REV.	LISTING	F	-	L*	DESCRIPTION	PROPRIETARY MFR
	HW-D-0045	1,2	-	-	WALL PERP TO DECK	HILTI
	HW-D-0084	1,2	-	-	WALL TO DECK	HILTI
	HW-D-0259	1,2		>1 CFM/LIN FT	WALL II TO BEAM, ALIGNED	HILTI
	HW-D-0299	1,2		>1 CFM/LIN FT	WALL PERP. TO BEAM	RECTORSEAL
	HW-D-0388	1,2		>1 CFM/LIN FT	WALL II TO BEAM, 0" TO 4" GAP	HILTI
	HW-D-0634	1,2		>1 CFM/LIN FT	WALL II TO BEAM, 0" TO 12" GAP	HILTI

04 - BOTTOM OF WALL ASSEMBLIES

			RATINGS			
REV.	LISTING	F	-	L*	DESCRIPTION	PROPRIETARY MFR
	BW-S-0002	1,2		>1 CFM/LIN FT	WALLS	HILTI

05 - CEILING MEMBRANES

			RATINGS			
REV.	LISTING	F	-	-	DESCRIPTION	PROPRIETARY MFR
	I506	1,2		-	CEILING - NONBEARING	

06 - PENETRATION FIRE STOPPING

			RATINGS				
REV.	LISTING	F	T	L*	DESCRIPTION	PROPRIETARY MFR	MAX OPENING
	C-AJ-1291	2	0	-	METALLIC PIPE OR TUBING	HILTI	30-7/8" DIA.
	C-AJ-1406	2	0	>1 CFM/SQ FT	MULTIPLE CONDUIT, TUBING, & PIPING	RECTORSEAL	15 1/4" DIA.
	C-AJ-1575	2,3	0	-	METAIL PIPE, TUBING, & CONDUIT	HILTI	30 7/8" DIA.
	CP617	1,2	-	-	FIRESTOP BOX INSERT & PUTTY PADS	HILTI	
	F-A-1119	2	0	>1 CFM/SQ FT	METAIL PIPE, TUBING, & CONDUIT	HILTI	10 5/8" DIA.
	F-B-1032	3	0	-	WASTE/OVERFLOW/DRAIN FITTING	HILTI	
	W-L-003	1,2	1,2	-	EMPTY HOLE	HILTI	240 SQ IN/20" MAX WIDE DIM
	W-L-0040	1,2	0,1.75	-	EMPTY HOLE	HILTI	2-1/2" DIA/4" MAX AREA WITH 2" MAX...
	W-L-1054	1,2	0	>1 CFM/SQ FT	METAL PIPE & CONDUIT	HILTI	32 1/4" DIA.
	W-L-1228	1,2	0, .5, 1	>1 CFM/SQ FT;...	METAL CONDUIT & EMT	HILTI	67 1/2 SQ IN / 22.5"
	W-L-1243	1,2	0.5	-	MULTIPLE RIGID CONDUIT OR EMT	HILTI	360 SQ IN/ 30"
	W-L-1290	1,2	0	>1 CFM/SQ FT	METAL PIPE/CONDUIT (4" MAX DIA)	HILTI	5" DIA
	W-L-1297	1,2	0	>1 CFM/SQ FT	METAL PIPE, TUBING, & CINDUIT	HILTI	32" DIA.
	W-L-1359	1,2	0.25	-	IRON PIPE W/ COMPRESSION FITTING	HILTI	8" DIA.
	W-L-1380	1,2	0	-	METAL PIPE, TUBE, CONDUIT @ SHAFTWALL	HILTI	9.5" DIA.
	W-L-1410	1,2	0	-	METAL PIPE/CONDUIT PENETRATIONS ONE SIDE	HILTI	5" DIA.
	W-L-1464	1,2	0,1.5	-	FLEXIBLE METAL CONDUIT (1-6)	HILTI	5.5" DIA.
	W-L-1506	1,2	1,2	>1 CFM/OPENING	METAL PIPE, TUBE, CONDUIT (3/4" MAX DIA.)	HILTI	1" DIA./1"
	W-L-2078	1,2	0,1,2	3 CFM/SQ FT; >1...	NONMETALLIC PIPE	HILTI	11.5" DIA.
	W-L-2568	1,2	0,1	-	OPTICAL FIBER RACEWAY ASSEMBLY (3" MAX DIA.)	HILTI	5-1/2" DIA.
	W-L-3065	1, 2	0, .75	15 CFM/SQ FT;...	CABLE BUNDLE, STRAIGHT OR ANGLED	HILTI	W/SLEEVE - 5-1/2" DIA.; W/O SLEEVE 4"...
	W-L-3310	1,2	0	-	3/C (W/ GROUND) NO. 8 AWG BARE COPPER GROUND METAL CLADCABLES W/ PVC JACKET (3 MAX)	HILTI	3" DIA.
	W-L-3385	1,2,3	0	-	CABLE BUNDLE (45% MAX AGGREGATE OF...	HILTI	4" DIA.
	W-L-4019	1, 2	0	-	CABLE TRAY	HILTI	216 SQ. IN. / 24"
	W-L-5029	1, 2	0, .5, 1, 1.25	4 CFM/SQ FT; >1...	METAL PIPE W/ INSULATION	HILTI	18-5/8" DIA.
	W-L-5046	1,2	0,1	-	METALLIC PIPE/TUBE W/ COVER	HILTI	22" DIA.
	W-L-5047	1,2	0,1.5	-	METALLIC PIPE/TUBE W/ INSULATION	HILTI	30" DIA.
	W-L-5257	1,2	0,1	4 CFM/SQ FT; >1...	METAL PIPE W/ INSULATION	HILTI	8" DIA.
	W-L-7040	1, 2	0	>1 CFM/SQ FT	RECTANGULAR DUCT	HILTI	1300 SQ. IN. / 50"
	W-L-7042	1, 2	0	-	ROUND DUCT	HILTI	21-3/4" DIA.
	W-L-7130	1, 2	0	-	STEEL STRUT, CABLE, THREADED ROD OR ANGLE	HILTI	15 SQ. IN. / 5" OR 3" DIA.
	W-L-7153	1,2	0.75	> 1CFM/SQ FT	CIRCULAR DUCT W/ INSULATION	HILTI	SPIRAL WOUND HVAC DUCT - 20" DIA.,...
	W-L-7154	1,2	0	-	METALLIC STRUT, STEEL ANGLE, OR CHANNEL	HILTI	8.6 S. IN./6-7/8"
	W-L-7155	1, 2	0	>1 CFM/SQ FT	RECTANGULAR DUCT	HILTI	73 SF / 104"
	W-L-7156	1, 2	0	-	RECTANGULAR DUCT W/ INSULATION	HILTI	76.2 SQ FT / 105.5"
	W-L-7214	1,2	-	-	CIRCULAR DUCT	HILTI	SPIRAL WOUND HVAC DUCT - 20" DIA.,...
	W-L-8079	1, 2	0, .5, .75, 1.5...	-	MULTIPLE CONDUIT, BARE & INSULATED PIPE/TUBING, ...	HILTI	240 SQ. IN. / 20"

***L-RATING LISTED AMBIENT/400 f; LESS RATING IS SAME FOR BOTH**

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Natividad MEDICAL CENTER

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MEDICAL SURGERY DEPARTMENT LEVEL 3

1441 CONSTITUTION BOULEVARD
SALINAS, CA 93906

HCAI RECORD NUMBER: S240593-27-00
HCAI FACILITY ID: 17353

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APPROVED
Department of Health Care Access and Information
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4/9/2025, 1:09:36 PM
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HCAI APPROVAL

LICENSED ARCHITECT
ANNA R. KEMPF
C-39256
JUNE 30, 2025
RENEWAL DATE
STATE OF CALIFORNIA

AGENCY APPROVAL

NO	DESCRIPTION	DATE
BC1	BACKCHECK#1	12/13/2024

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

UL LISTINGS

CONSTRUCTION DOCUMENT

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

BC1

A740

Author 12/15/2024 7:50:37 PM Autodesk Docs://Natividad Med Surg 3 Unit - 3707-016-00/A22- Natividad Med Surg 3 Unit - 3707-016-00.rvt

REVISION	ROOM#	ROOM NAME	QTY	TAG	DESCRIPTION	MANUFACTURER	MODEL NO	RESP	MOUNTING	MECHREQ	WIDTH (IN.)	HEIGHT (IN.)	DEPTH (IN.)	DIA (IN.)	WEIGHT (LBS)	VOLTS	AMPS	WATTS	PHASE	BTUHR	DED CKT	NEMA	DATA LINE	SEISMIC	FACILITY SVCS	BIOMED	TECH REVIEW	MINOR ASSEMBLY	MINOR INSTALL	EXIST	DETAILED DESCRIPTION
BC1				BD-1	BED, ELECTRIC, CRITICAL CARE	HILL-ROM	CENTRELLA	OFOI	MOBILE		40	32.5 (MAX)	98.7 (MAX)		150																
BC1				MW-1	WOW CART COMPUTER WORKSTATION			OFOI	MOBILE																						
BC1				HS-1	HAMPER STAND			OFOI	MOBILE																						
BC1				IV-1	IV STAND			OFOI	MOBILE																						
BC1				VS-1	VITAL SIGN			OFOI	WALL/ (ST5.00/A663.3)																						
BC1				VM-1	VITALS SIGN MACHINE	MASIMO	ROOT	OFOI	MOUNTED TO VM-2		11	10.5	5.5		<8																
BC1				VM-2	VARIABLE HEIGHT WALL MOUNT	GCX	VHM-25	OFCI	WALL/ (ST5.00/A663.3)		4	19	2		3 (MAX)																
BC1				TV-1	TV MONITOR, 32"	SAMSUNG	HG32NB673BF	OFOI	MOUNTED TO AV EQ-1		29	17.1	1.9		<10																
BC1				AV EQ-1	WALL BRACKET FOR 32" MONITOR			OFCI	WALL, SEE 4/S2.02		-	-	-		20 (MAX)																
BC1				WS-1	COMPUTER WORKSTATION UNIT; WALL-MOUNTED	PROXIMITY SYSTEM	Embrace EXT-28-INT Wall Mounted Computer Workstation Unit	VFCI	WALL, SEE 2/S2.02		28.125	37.25	4		100 (MAX)																
BC1				DF-1	DRINKING FOUNTAIN/BOTTLE FILLING STATION	ELKAY	ELKAY EZH2O (EZWS-EDFPBM114K)	VFCI	WALL, SEE 1/S2.02		19.75	35	19		118																
BC1				RF-1	REFRIGERATOR	KENMORE	253.6041241	OFCI	WALL, SEE 5/S2.02		29.5	67	33.5		800 (MAX)																
BC1				LKR-1	LOCKER, 5 TIERS	ASI	TRADITIONAL COLLECTION	OFCI	WALL, SEE 6/S2.02		12	72	18		300 (MAX)																

BC1

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CONSTRUCTION DOCUMENTS

A730

CONSTRUCTION DOCUMENT

GENERAL NOTES

GENERAL
A. REFER TO ARCHITECTURAL SPECIFICATIONS FOR ALL SUBMITTAL AND/OR MOCKUP GUIDELINES AND REQUIREMENTS.
B. CONTACT GALLUN SNOW FOR CLARIFICATION IN THE EVENT OF CONTRADICTORY INFORMATION BETWEEN DRAWINGS, LEGEND, AND/OR SPECIFICATIONS.
C. REFER TO FINISH (SCHEDULE, PLAN) FOR GENERAL FINISHES. REFER TO ALL SPECIFICATIONS AND INTERIOR DRAWINGS (INCLUDING PLANS, ELEVATIONS, AND DETAILS) FOR COMPLETE INTERIORS INFORMATION.
D. ALL SURFACES REQUIRE NEW FINISHES UNO. IF COLOR OR FINISH IS NOT SPECIFIED, CONTACT GALLUN SNOW FOR CLARIFICATION.
E. DO NOT SCALE DRAWINGS.

DEMOLITION
A. REMOVE EXISTING ARTWORK, SIGNAGE, AND WALL MOUNTED ACCESSORIES WITHIN THE PROJECT SCOPE AND RETURN TO OWNER FOR STORAGE PRIOR TO DEMOLITION.
B. REMOVE COMPLETELY FROM THE JOB SITE ALL MATERIALS SPECIFIED FOR DEMOLITION AND NOT NOTED TO BE RETURNED TO OWNER.
C. REPLACE ANY ITEM DEMOLISHED OR DAMAGED BY DEMOLITION AND NOT SPECIFIED FOR DEMOLITION WITH A LIKE ITEM AS APPROVED BY OWNER AT NO ADDITIONAL COST.
D. PROTECT ALL EXISTING FLOOR, WALL, DOOR, AND CEILING FINISHES TO REMAIN. REPAIR ANY DAMAGE AS A RESULT OF DEMOLITION OR CONSTRUCTION.
E. REMOVE EXISTING FLOORING, ADHESIVE, AND MASTIC AT ALL EXISTING FLOOR SCHEDULED FOR DEMOLITION. PATCH AND PREP SUBFLOOR TO MEET MANUFACTURER'S REQUIREMENTS FOR NEW FLOORING MATERIALS. FLOAT SUBFLOOR AS NECESSARY TO ALIGN FINISHED SURFACE BETWEEN NEW FLOORING AND EXISTING TO REMAIN.

FLOORING
A. ALIGN TRANSITION OF FLOOR MATERIAL WITH CENTER OF HINGE IN DOORWAY. IN A WRAPPED OPENING WITHOUT HINGES RE: FINISH PLANS FOR TRANSITION LOCATION.
B. HEAT WELD ALL RESILIENT SHEET FLOORING SEAMS AND SEAL.
C. PROVIDE COLOR MATCH HEAT WELD RODS FOR EACH SHEET RESILIENT FLOOR AS SPECIFIED IN FINISH LEGEND.
D. INSTALL DIRECTIONAL FLOORING ORIENTED AS SPECIFIED IN THE FINISH PLAN.
E. CENTER TILE LAYOUT IN EACH ROOM. DO NOT INSTALL LESS THAN A 1/2 TILE.

WALL BASE
A. PROVIDE 6" HIGH RUBBER COVE BASE UNO.
B. PROVIDE 6" HIGH INTEGRAL COVE BASE TO MATCH ADJACENT SHEET FLOORING WITH STAINLESS STEEL TOP CAP AND MECHANICALLY FASTENED CORNERS, BNT METALS #6450-IC (INSIDE CORNER) AND #6450-OC (OUTSIDE CORNER).
C. PROVIDE CONTINUOUS LENGTH OF RUBBER BASE WITH FIELD FORMED OUTSIDE CORNERS.
D. PROVIDE ALL AVAILABLE CERAMIC TILE TRIM PIECES - COVE, BULLNOSE, INSIDE/OUTSIDE CORNERS, ETC.
E. PROVIDE SOLID MAPLE HARDWOOD FOR ALL SPECIFIED MILLWORK TRIM.

WALLS AND DOORS
A. PROVIDE WALL FINISHES FROM LOWER TO HIGHER IN THE ORDER LISTED.
B. PROVIDE MITERED END CAPS AT ALL MILLWORK TRIM. CONTINUE ANY ROUTED DETAIL ON ALL PERIMETER EDGES.
C. PROVIDE FULL HEIGHT WALL TILE IN ALL SHOWER SURROUNDS. RE: ELEVATIONS FOR WALL TILE PATTERN.
D. CENTER TILE LAYOUT ON EACH WALL. DO NOT INSTALL LESS THAN A 1/2 TILE.
E. REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL WALL FINISH INFORMATION.
F. PAINT ALL METAL DOORS, VISION PANEL, SIDELIGHT, AND WINDOW AND DOOR FRAMES SP2 UNO.
G. REFER TO ARCHITECTURAL SPECIFICATIONS FOR DEFINITION OF GLOSS RANGE ON THE FOLLOWING PAINT SHEENS:
   a. PROVIDE EGGSHELL FINISH UNO. (P-X)
   b. PROVIDE EPOXY SEMI GLOSS FINISH IN ISOLATION ROOMS, ANTE ROOMS, EVS AND RESTROOMS. (EP-X)
   c. PROVIDE ACRYLIC SEMI GLOSS FINISH FOR ALL PAINTED METAL. (SP-X)
H. PROVIDE WALL BLOCKING FOR ALL CABINETRY AND SYSTEMS FURNITURE. RE: ELEVATION AND FURNITURE PLANS FOR LOCATIONS AND EXTENT.
I. PATCH AND PREP ALL EXISTING WALLS TO REMAIN FOLLOWING DEMOLITION. CONFIRM EQUIPMENT MOUNTING HEIGHTS WITH DESIGNER/OWNER PRIOR TO RE-INSTALL.
J. PAINT METAL GRILLES, WALL DIFFUSERS, ELECTRICAL PANELS, ACCESS PANELS, ETC WHICH ARE EXPOSED IN FINISHED SPACES TO MATCH THE SURFACE ON WHICH THEY OCCUR.
K. PAINT ALL WALLS P-1 UNO.

CEILINGS
A. EXISTING CEILING TILES AND GRID TO REMAIN. AT DAMAGED OR STAINED CEILING TILES REPLACE WITH TILES TO MATCH SAT-1.
B. PAINT SOFFITS P-1 UNO. PAINT UNDERSIDE AND FACE OF SOFFIT AS SCHEDULED.
C. REFER TO REFLECTED CEILING PLANS FOR ADDITIONAL SOFFIT AND CEILING FINISH INFORMATION.
D. PAINT ALL GYP. CEILINGS PT-1 UNO.
E. PAINT ALL OPEN STRUCTURE CEILINGS INCLUDING ALL EXPOSED COMPONENTS P-1 UNO.

CASEWORK
A. PROVIDE SOLID SURFACE COUNTER TOPS WITH INTEGRAL BACKSPLASH AT ALL SINK COUNTERS.
B. CAULK COUNTERS WHERE THEY ABUT WALLS WITH CLEAR CAULK.
C. PROVIDE LAMINATE PL-1 AT VERTICAL BASE, EXPOSED SHELVES, AND WALL CABINETS UNO.
D. PROVIDE 3MM MATCHING EDGE BANDING ON ALL DOOR AND DRAWER FRONT EDGES IN THE COLORS SPECIFIED UNO.
E. PROVIDE 3MM MATCHING EDGE BANDING ON ALL COUNTERTOP EDGES IN THE COLORS SPECIFIED UNO.
F. PROVIDE WHITE MELAMINE AT SEMI-EXPOSED CASEWORK INTERIORS, AS DEFINED BY AWI STANDARDS, UNO.
G. PROVIDE LAMINATE PL-1 AT ALL EXPOSED CASEWORK INTERIORS UNO.
H. PROVIDE SOLID SURFACE COUNTER TOPS WITH INTEGRAL BACKSPLASH AT ALL PATIENT ROOM COUNTERS.

SPECIALTIES
A. PROVIDE BLOCKING AT ALL WALLS SCHEDULED FOR WALL HUNG EQUIPMENT, SYSTEMS FURNITURE, FLIP DOWN CHARTING, LARGE MARKER OR TACK BOARDS, ETC. RE: ARCH. ELEVATIONS, EQUIPMENT AND FURNITURE PLANS.
B. ALL FURNITURE (EQUIPMENT) IS OF/OI UNO.
C. ALL EXISTING HANDRAIL AND CORNER GUARDS TO REMAIN IN CORRIDORS. REMOVE, CLEAN, AND REINSTALL AFTER PAINTING AND WALL PROTECTION INSTALLATION. PROVIDE NEW TO MATCH EXISTING WHERE DAMAGED OR MISSING.
D. PROVIDE FULL HEIGHT CORNER GUARDS UNO. INSTALL ABOVE WALL BASE. RE: FINISH PLANS FOR LOCATIONS.
E. INSTALL WALL PROTECTION PANELS ABOVE WALL BASE. RE: FINISH PLANS FOR EXTENT AND LEGEND FOR COLORS AND HEIGHT.
F. WHERE WALL PROTECTION PANELS OCCUR ON A WALL THAT HAS CONTROL JOINTS, ALIGN WALL PROTECTION JOINTS WITH CONTROL JOINTS.
G. WHERE A WALL SCHEDULED FOR WALL PROTECTION PANELS IS TOO SHORT TO ACCOMMODATE A CORNER GUARD, PROVIDE INSIDE AND OUTSIDE CORNER TRIM PIECES PER DETAIL 7/I-200.
H. PROVIDE WALL PROTECTION OF ANY ONE COLOR FROM A SINGLE MANUFACTURER.
I. CONFIRM ANY WALL SCHEDULED FOR HANDRAIL AND LESS THAN 2'-0" WIDE WITH ARCHITECT/DESIGNER PRIOR TO ORDER.
J. PROVIDE TRIM (J, T, TOP CAP, INSIDE /OUTSIDE CORNER, ETC.) AT WALL PROTECTION PANELS UNO.

ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
CC	CUBICLE CURTAIN
CG	CORNER GUARD
CL	CENTER LINE
CLG	CEILING
CLG HT	CEILING HEIGHT
CLR	CLEAR
CT	CERAMIC TILE
CTB	CERAMIC TILE BASE
CTF	CERAMIC TILE (FLOOR)
CTW	CERAMIC TILE (WALL)
DEMO	DEMOLITION
DIA	DIAMETER
DIM	DIMENSION
EP	EPOXY PAINT
EQ	EQUAL
EXIST	EXISTING
FEC	FIRE EXTINGUISHER CABINET
FF&E	FURNITURE, FIXTURE AND EQUIPMENT
FR	FIRE RESISTANT
FURN	FURNITURE
GC	GENERAL CONTRACTOR
GT	GROUT
GYP	GYPSUM BOARD
HDWL	HEADWALL
HR	HANDRAIL
IB	INTEGRAL BASE
LB	LINER BAR
LF	LINEAR FEET (FOOT)
ME	MATCH EXISTING
MFR	MANUFACTURER
MLWK	MILLWORK
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
OTS	OPEN TO STRUCTURE
P	PAINT
PL	PLASTIC LAMINATE
RB	RUBBER BASE / RESILIENT BASE
RCP	REFLECTED CEILING PLAN
RE	REFERENCE
RF	RESILIENT FLOORING
SAT	SUSPENDED ACOUSTICAL TILE
SC	SEALED CONCRETE
SF	SQUARE FEET (FOOT)
SIM	SIMILAR
SP	SEMI GLOSS PAINT
SS	SOLID SURFACE
SST	STAINLESS STEEL
TBD	TO BE DETERMINED
TS	THRESHOLD
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
WP	WALL PROTECTION

FINISH LEGEND

FLOORING AND WALL BASE

CERAMIC TILE BASE
CTB-1 CROSSVILLE, COLOR BLOX 2.0, 12" X 24" CUT TO 6" X 24" X 9.5MM THICK, SANDBOX, 1/8" GROUT JOINT, EPOXY GROUT: MAPEI HARVEST #06 (PATIENT RESTROOM), RE: 12/I-200

CERAMIC TILE (FLOOR)
CTF-1 CROSSVILLE, COLOR BLOX 2.0, 12" X 24" X 9.5MM THICK, MUD PIE, 1/8" GROUT JOINT, EPOXY GROUT: MAPEI MOCHA #42, INSTALLATION 33% OFFSET, REFER TO FLOOR PATTERN PLANS FOR DIRECTION, RE: 3/I-200 (PATIENT RESTROOM)

INTEGRAL BASE
IB-6 6" HIGH INTEGRAL BASE TO MATCH ADJACENT FLOORING, RE: 4/I-200

RUBBER BASE/ RESILIENT BASE
RB-1 MANNINGTON, BURKE, 6" HIGH COVED BASE, COLOR: 508 TWEED

RESILIENT FLOORING
RF-1-4 NOT USED

RF-5 MANNINGTON, BIOSPEC ARMOR, ROLL GOODS, 0.100" THICK, HAYSTACK OR119, HEAT WELD COLOR 842485 BONE BEIGE (ACCENT)

RF-6-8 NOT USED

RF-9 MANNINGTON, BIOSPEC ARMOR, ROLL GOODS, 0.100" THICK, BREEZY OR122, HEAT WELD COLOR 842339 SPRUCE (FIELD)

RF-10 MANNINGTON, BIOSPEC ARMOR, ROLL GOODS, 0.100" THICK, PISTACHIO OR110, HEAT WELD COLOR 842333 SAGE (PATIENT ROOMS)

THRESHOLD
TS-1 NOT USED

TS-2 GRIF-FORM INNOVATIONS SOLID SURFACE THRESHOLD, TCT6, COLOR: SAHARA

WALLS

CERAMIC TILE (WALL)
CTW-1 CROSSVILLE, COLOR BLOX 2.0, 12" X 24" X 9.5MM THICK, SANDBOX, 1/8" GROUT JOINT, EPOXY GROUT: MAPEI HARVEST #06, RE: 13/I-200 & 14/I-200 (PATIENT RESTROOM)

LINER BAR
LB-1 CROSSVILLE, EBB AND FLOW LINEAR MOSAIC, 12" x 13" SHEET, 0.25" THICK, TO BE CUT TO SIZE, STICKS AND STONES EF07, 1/8" GROUT JOINT, GROUT: MAPEI HARVEST #06, RE: 14/I-200 (PATIENT RESTROOM)

PAINT / EPOXY PAINT / SEMI-GLOSS PAINT
P-1/EP-1 SHERWIN WILLIAMS, SW6126 NAVAJO WHITE

SP-2 SHERWIN WILLIAMS, SW6141 SOFTER TAN

P-3-11 NOT USED

P-12 SHERWIN WILLIAMS, SW7616 BREEZY

P-13 BENJAMIN MOORE, HC-161 TEMPLETON GRAY

P-14-19 NOT USED

P-20/EP-20 SHERWIN WILLIAMS, SW6471 HAZEL

CEILINGS

SUSPENDED ACOUSTICAL TILE
SAT-1 ARMSTRONG, OPTIMA OPEN PLAN, 3250, TEGULAR FINE TEXTURE, 2'-0" X 2'-0" X 1" THICK; PRELUDE 15/16" SQUARE TEGULAR, BLIZZARD WHITE

CASEWORK

PLASTIC LAMINATE
PL-1 WILSONART, KENSINGTON MAPLE 10776-60; 3MM EDGE BANDING: DOELLKEN 4469

PL-2 NEVAMAR, SOVEREIGN CHERRY #W8325T; 3MM EDGE BANDING: DOELLKEN 3994

SOLID SURFACE
SS-1 CORIAN, LINEN, 1/2" THICK, RE: 8/I-200, 9/I-200

SPECIALTIES

CORNER GUARD
CG-1 CS ACROVYN, MODEL: 4000, SM-20N, 3" WING, COLOR: 920 ALMOND, 90 DEGREE, 96" HEIGHT, RE: 10/I-200

CG-2 CS ACROVYN, MODEL: 4000, SSM-25MN, ONE PIECE COVER, COLOR: 920 ALMOND, 96" HEIGHT, RE: 11/I-200

HANDRAIL
HR-1 CS ACROVYN, MODEL: HRB-10C, 4"H CRASH RAIL IN 920 ALMOND, 1601 NATURAL RIBBONWOOD HANDRAIL

WALL PROTECTION
WP-1 CS ACROVYN, MODEL 4000, COLOR: 920 ALMOND, 0.040" THICK, TO BE INSTALLED TO CENTER OF HANDRAIL, RE: 5/I-200, 6/I-200, 7/I-200

WP-2 KOROSEAL, REATEC, MAPLE FLAT GRAIN 2, COLOR: TC-4215 (HEADWALL)

WP-3 KOROSEAL, REATEC, MAHOGANY STRAIGHT GRAIN 1, COLOR: TC-4277 (HEADWALL)

WALL PROTECTION GROUP
WPG-1 WP1 + HR1, RE: 6/I-200

MISCELLANEOUS

CUBICLE CURTAIN
CC-1 STANDARD TEXTILE, UNDER THE SEA, TREASURE. TRACK SYSTEM: ON THE RIGHT TRACK, SEE ARCHITECTURAL ENLARGED PLAN FOR LOCATIONS

WINDOW TREATMENTS
WT1 MECHOSHADE, MANUAL MECHO/S SINGLE ROLLER SOLAR SCREEN, STYLE: THERMOVEIL 1000 SERIES, 3% OPEN; COLOR: BEIGE 1002. INCLUDE FASCIA END CAPS AND COVERPLATE, CLEAR ANODIZED

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FINISH LEGEND, GENERAL NOTES, AND ABBREVIATIONS

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CONSTRUCTION DOCUMENTS

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ROOM FINISH SCHEDULE

ROOM				WALL FINISH					CASEWORK FINISH			
NUMBER	NAME	FLOOR FINISH	BASE FINISH	NORTH	EAST	SOUTH	WEST	CEILING FINISH	VERTICAL	HORIZONTAL	TRANSACTION	NOTES
01A.6A.60	EQUIPMENT STORAGE	RF9	RB1	P1	P1	P1	P1	GYP. P1				
01A.06A.63	BREAK ROOM	RF9	RB1	P1	P1	P1	P13	EXIST				
01A.06A.69	STAFF LOUNGE	RF9	RB1	P1	P1	P13	P1	EXIST				
01A.06A.74	CLEAN UTILITY	RF9	RB1	P1	P1	P1	P1	GYP. P1				
01A.06A.90	N.S.	RF9	RB1	P1	P1	P1	P1	EXIST				SEE FINISH PLAN FOR SOFFIT PAINT
01A.06A.91	NS/RECEP	RF9	RB1	P1	P1	P1	P1	EXIST				SEE FINISH PLAN FOR SOFFIT PAINT
01A.06A.92	TELE TECH WORKSTATION	RF9	RB1	P1	P1	P1	P1	EXIST				SEE FINISH PLAN FOR SOFFIT PAINT
01A.80A.2	EQUIPMENT STORAGE	RF9	RB1	P1	P1	P1	P1	GYP. P1				
300	OFFICE	RF9	RB1	P1	P1	P1	P1	EXIST				
311	SEMI-PRIVATE PATIENT RM	RF10	RB1	P20	P1	P1	P1	EXIST				PROVIDE CC1 AND WT1
311A	PAT (P) TOILET/SHWR	CTF1	CTB1	CTW1, LB1	CTW1, LB1	EP1, CTW1, LB1	EP1, CTW1, LB1	GYP: EP1				
312	PRIVATE PATIENT RM	RF10	RB1	P1	P1	P20	P1	EXIST				PROVIDE CC1 AND WT1
312A	PAT H/C TOILET/SHWR	CTF1	CTB1	EP1, CTW1, LB1	CTW1, LB1	CTW1, LB1	EP1, CTW1, LB1	GYP: EP1				
313	SEMI-(P) PATIENT RM	RF10	RB1	P20	P1	P1	P1	EXIST				PROVIDE CC1 AND WT1
313A	PAT (P) TOILET/SHWR	CTF1	CTB1	CTW1, LB1	CTW1, LB1	EP1, CTW1, LB1	EP1, CTW1, LB1	GYP: EP1				
314	PRIVATE PATIENT RM	RF10	RB1	P1	P1	P20	P1	EXIST				PROVIDE CC1 AND WT1
314A	PAT H/C TOILET/SHWR	CTF1	CTB1	EP1, CTW1, LB1	CTW1, LB1	CTW1, LB1	EP1, CTW1, LB1	GYP: EP1				
315	SEMI-(P) PATIENT RM	RF10	RB1	P20	P1	P1	P1	EXIST				PROVIDE CC1 AND WT1
315A	PAT (P) TOILET/SHWR	CTF1	CTB1	CTW1, LB1	CTW1, LB1	EP1, CTW1, LB1	EP1, CTW1, LB1	GYP: EP1				
316	PRIVATE PATIENT RM	RF10	RB1	P1	P1	P20	P1	EXIST				PROVIDE CC1 AND WT1
316A	PAT H/C TOILET/SHWR	CTF1	CTB1	EP1, CTW1, LB1	CTW1, LB1	CTW1, LB1	EP1, CTW1, LB1	GYP: EP1				
317	PRIVATE PATIENT RM	RF10	RB1	P20	P1	P1	P1	EXIST				PROVIDE CC1 AND WT1
317A	PAT (P) TOILET/SHWR	CTF1	CTB1	CTW1, LB1	CTW1, LB1	EP1, CTW1, LB1	EP1, CTW1, LB1	GYP: EP1				
318	PRIVATE PATIENT RM	RF10	RB1	P1	P1	P20	P1	EXIST				PROVIDE CC1 AND WT1
318A	PAT H/C TOILET/SHWR	CTF1	CTB1	EP1, CTW1, LB1	CTW1, LB1	CTW1, LB1	CTW1, LB1	GYP: EP1				
319	SEMI (P) PATIENT RM	RF10	RB1	P20	P1	P1	P1	EXIST				PROVIDE CC1 AND WT1
319A	PAT (P) TOILET/SHWR	CTF1	CTB1	CTW1, LB1	CTW1, LB1	EP1, CTW1, LB1	EP1, CTW1, LB1	GYP: EP1				
320	PRIVATE PATIENT RM	RF10	RB1	P1	P1	P20	P1	EXIST				PROVIDE CC1 AND WT1
320A	PAT H/C TOILET/SHWR	CTF1	CTB1	EP1, CTW1, LB1	CTW1, LB1	CTW1, LB1	EP1, CTW1, LB1	GYP: EP1				
321	PRIVATE PATIENT RM	RF10	RB1	P1	P1	P1	P20	EXIST				PROVIDE CC1 AND WT1
321A	PAT (P) TOILET/SHWR	CTF1	CTB1	EP1, CTW1, LB1	EP1, CTW1, LB1	CTW1, LB1	CTW1, LB1	GYP: EP1				
322	SEMI-(P) PATIENT RM	RF10	RB1	P1	P20	P1	P1	EXIST				PROVIDE CC1 AND WT1
322A	PAT H/C TOILET/SHWR	CTF1	CTB1	EP1, CTW1, LB1	CTW1, LB1	CTW1, LB1	EP1, CTW1, LB1	GYP: EP1				
323	SEMI-(P) PATIENT RM	RF10	RB1	P1	P1	P1	P20	EXIST				PROVIDE CC1 AND WT1
323A	TOILET/SHWR	CTF1	CTB1	EP1, CTW1, LB1	EP1, CTW1, LB1	CTW1, LB1	CTW1, LB1	GYP: EP1				
324	SEMI-(P) PATIENT RM	RF10	RB1	P1	P20	P1	P1	EXIST				PROVIDE CC1 AND WT1
324A	TOILET/SHWR	CTF1	CTB1	EP1, CTW1, LB1	CTW1, LB1	CTW1, LB1	EP1, CTW1, LB1	GYP: EP1				
325	SEMI-(P) PATIENT RM	RF10	RB1	P1	P1	P1	P20	EXIST				PROVIDE CC1 AND WT1
325A	TOILET/SHWR	CTF1	CTB1	EP1, CTW1, LB1	EP1, CTW1, LB1	CTW1, LB1	CTW1, LB1	GYP: EP1				
326	PRIVATE PATIENT RM	RF10	RB1	P1	P1	P20	P1	EXIST				PROVIDE CC1 AND WT1
326A	PAT H/C TOILET/SHWR	CTF1	CTB1	EP1, CTW1, LB1	CTW1, LB1	CTW1, LB1	CTW1, LB1	GYP: EP1				
327	SEMI-(P) PATIENT RM	RF10	RB1	P20	P1	P1	P1	EXIST				PROVIDE CC1 AND WT1
327A	PAT (P) TOILET/SHWR	CTF1	CTB1	CTW1, LB1	EP1, CTW1, LB1	EP1, CTW1, LB1	CTW1, LB1	GYP: EP1				
328	PRIVATE PATIENT RM	RF10	RB1	P1	P1	P20	P1	EXIST				PROVIDE CC1 AND WT1
328A	PAT H/C TOILET/SHWR	CTF1	CTB1	EP1, CTW1, LB1	EP1, CTW1, LB1	CTW1, LB1	CTW1, LB1	GYP: EP1				
329	IMC PATIENT RM	RF10	IB6	EP20	EP1	EP1	EP1	EXIST				PROVIDE CC1 AND WT1
329A	PAT ISO TOILET/SHWR	CTF1	CTB1	CTW1, LB1	EP1, CTW1, LB1	EP1, CTW1, LB1	CTW1, LB1	GYP: EP1				
329B	ANTE RM	RF10	IB6	EP1	EP1	EP1	EP1	EXIST				
330	IMC PATIENT RM	RF10	IB6	EP1	EP1	EP20	EP1	EXIST				PROVIDE CC1 AND WT1
330A	PAT ISO TOILET/SHWR	CTF1	CTB1	EP1, CTW1, LB1	EP1, CTW1, LB1	CTW1, LB1	CTW1, LB1	GYP: EP1				
330B	ANTE RM	RF10	IB6	EP1	EP1	EP1	EP1	EXIST				
331	SEMI-(P) PATIENT RM	RF10	RB1	P20	P1	P1	P1	EXIST				PROVIDE CC1 AND WT1
331A	PAT (P) TOILET/SHWR	CTF1	CTB1	CTW1, LB1	EP1, CTW1, LB1	EP1, CTW1, LB1	CTW1, LB1	GYP: EP1				
332	SEMI-(P) PATIENT RM	RF10	RB1	P1	P1	P20	P1	EXIST				PROVIDE CC1 AND WT1
332A	PAT (P) TOILET/SHWR	CTF1	CTB1	EP1, CTW1, LB1	EP1, CTW1, LB1	CTW1, LB1	CTW1, LB1	GYP: EP1				
333	SEMI-(P) PATIENT RM	RF10	RB1	P20	P1	P1	P1	EXIST				PROVIDE CC1 AND WT1
333A	PAT (P) TOILET/SHWR	CTF1	CTB1	CTW1, LB1	EP1, CTW1, LB1	EP1, CTW1, LB1	CTW1, LB1	GYP: EP1				
334	IMC PATIENT RM	RF10	IB6	EP1	EP1	EP20	EP1	EXIST				PROVIDE CC1 AND WT1
334A	PAT ISO TOILET/SHWR	CTF1	CTB1	EP1, CTW1, LB1	EP1, CTW1, LB1	CTW1, LB1	CTW1, LB1	GYP: EP1				
334B	ANTE RM	RF10	IB6	EP1	EP1	EP1	EP1	EXIST				
335	IMC PATIENT RM	RF10	IB6	EP20	EP1	EP1	EP1	EXIST				PROVIDE CC1 AND WT1
335A	PAT ISO TOILET/SHWR	CTF1	CTB1	CTW1, LB1	EP1, CTW1, LB1	EP1, CTW1, LB1	CTW1, LB1	GYP: EP1				
335B	ANTE RM	RF10	IB6	EP1	EP1	EP1	EP1	EXIST				
336	IMC PATIENT RM	RF10	IB6	EP1	EP1	EP20	EP1	EXIST				PROVIDE CC1 AND WT1
336A	PAT ISO TOILET/SHWR	CTF1	CTB1	EP1, CTW1, LB1	EP1, CTW1, LB1	CTW1, LB1	CTW1, LB1	GYP: EP1				
336B	ANTE RM	RF10	IB6	EP1	EP1	EP1	EP1	EXIST				
337	IMC PATIENT RM	RF10	IB6	EP20	EP1	EP1	EP1	EXIST				PROVIDE CC1 AND WT1
337A	PAT ISO TOILET/SHWR	CTF1	CTB1	CTW1, LB1	EP1, CTW1, LB1	EP1, CTW1, LB1	CTW1, LB1	GYP: EP1				
337B	ANTE RM	RF10	IB6	EP1	EP1	EP1	EP1	EXIST				
338	SEMI-(P) PATIENT RM	RF10	RB1	P1	P1	P20	P1	EXIST				PROVIDE CC1 AND WT1
338A	PAT (P) TOILET/SHWR	CTF1	CTB1	EP1, CTW1, LB1	EP1, CTW1, LB1	CTW1, LB1	CTW1, LB1	GYP: EP1				
C300A1	CORRIDOR	RF9, RF5	RB1	P1	P1	P1	P12	EXIST				
C300A2	CORRIDOR	RF9, RF5	RB1	P1	P12	P1	P1	EXIST				
C300A3	CORRIDOR	RF9, RF5	RB1	-	P12	-	P1	EXIST				
C300A4	CORRIDOR	RF9, RF5	RB1	P1	P1	P1	-	EXIST				
C300A5	CORRIDOR	RF9, RF5	RB1	-	P1	P1	P12	EXIST				
C300A6	CORRIDOR	RF9	RB1	P1	-	P1	-	EXIST				
C300A7	CORRIDOR	RF9, RF5	RB1	-	-	P1	-	P12	EXIST			
C300A8	CORRIDOR	RF9	RB1	P1	-	P1	-	EXIST				

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INTERIOR DESIGNER
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303.433.9500

NATIVIDAD MEDICAL CENTER

MEDICAL SURGERY DEPARTMENT LEVEL 3

1441 CONSTITUTION BOULEVARD
SALINAS, CA 93906

HCAI RECORD NUMBER:
S240593-27-00
HCAI FACILITY ID: 17353

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
4/9/2025, 1:09:36 PM
S240593-27-00
Russell Rocker

HCAI APPROVAL

LICENSED ARCHITECT
ANNA R. KEMPF
C-39256
JUNE 30, 2025
RENEWAL DATE
STATE OF CALIFORNIA

AGENCY APPROVAL

NO	DESCRIPTION	DATE
BC1	BACKCHECK #1	12/13/2024

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

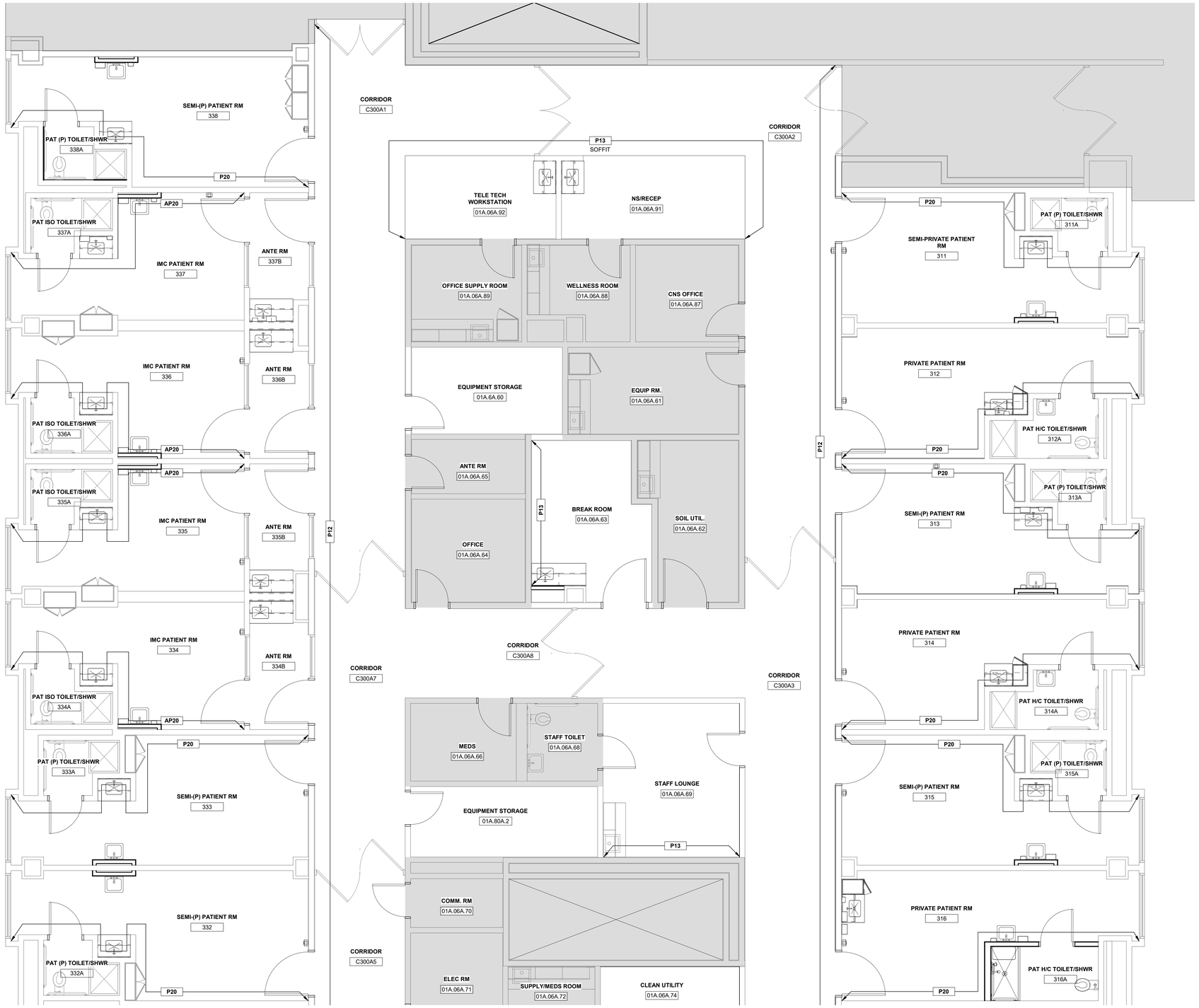
FINISH SCHEDULE

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

I020

CONSTRUCTION DOCUMENT



1 ENLARGED FINISH PLAN LEVEL 03 AREA A1
1/4" = 1'-0"

FINISH PLAN LEGEND

WALL FINISH: XX/XX

WALL FINISH SYMBOLS REPRESENT LOCATION OF ACCENT FINISHES STARTING AT THE FLOOR AND MOVING TO THE CEILING. REFER TO ELEVATIONS FOR CLARIFICATION.

GRAIN DIRECTION:

ARROWS INDICATE DIRECTION OF WOOD GRAIN OR LINEAR PATTERN.

FLOOR FINISH: XXX

FLOOR FINISH TRANSITION: XXX | XXX

INDICATES LINE OF TRANSITION BETWEEN FLOOR FINISHES. REFER TO DETAILS FOR TRANSITION TYPE.

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HCAI RECORD NUMBER:
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HCAI FACILITY ID: 17353

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ANNA R. KEMPF
C-39256
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STATE OF CALIFORNIA

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

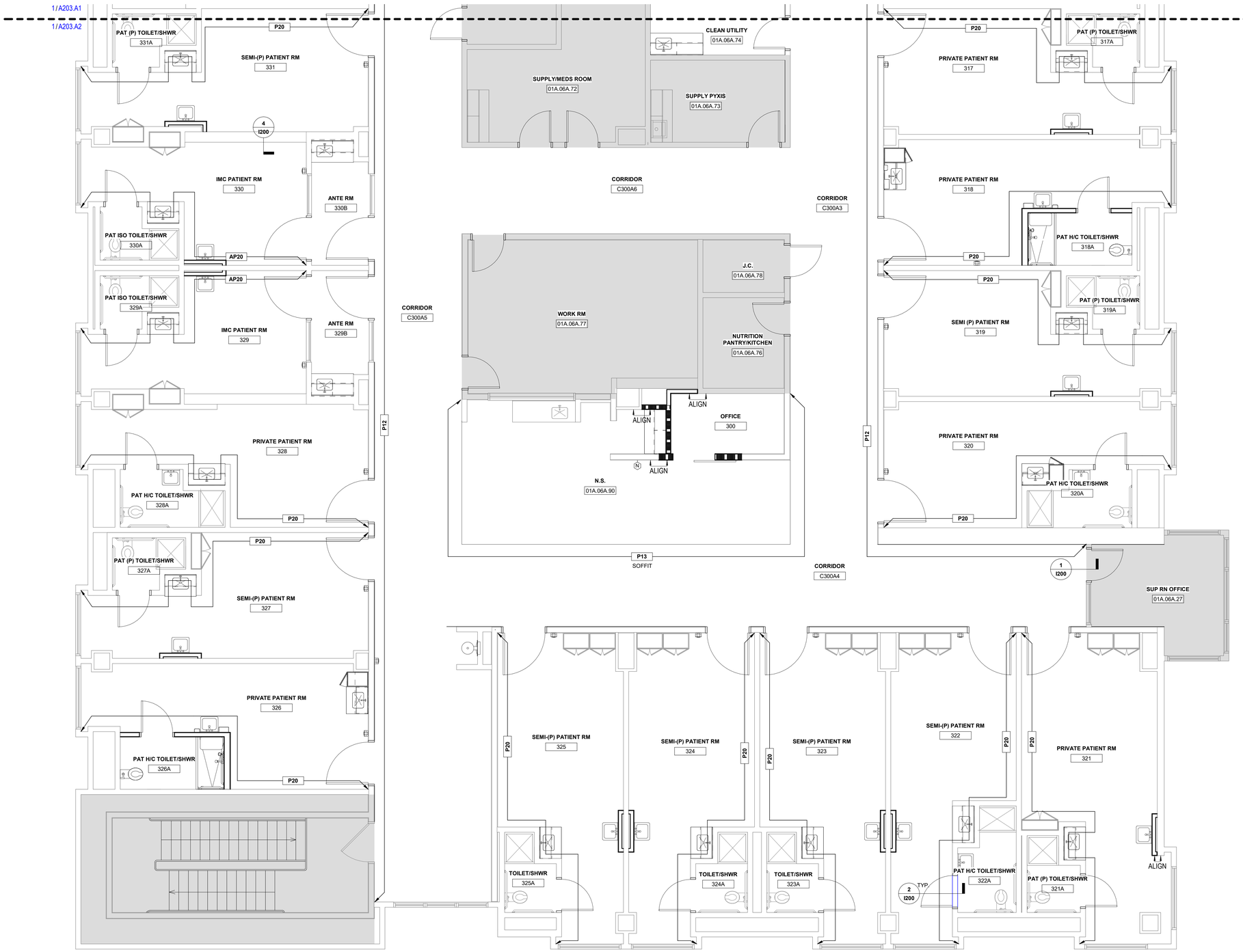
INTERIOR FINISH PLAN - A1

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

I100

CONSTRUCTION DOCUMENTS



1 ENLARGED FINISH PLAN LEVEL 03 AREA A2
1/4" = 1'-0"

FINISH PLAN LEGEND

WALL FINISH: XX/XX

WALL FINISH SYMBOLS REPRESENT LOCATION OF ACCENT FINISHES STARTING AT THE FLOOR AND MOVING TO THE CEILING. REFER TO ELEVATIONS FOR CLARIFICATION.

GRAIN DIRECTION:

ARROWS INDICATE DIRECTION OF WOOD GRAIN OR LINEAR PATTERN.

FLOOR FINISH: XXX

FLOOR FINISH TRANSITION: XXX | XXX

INDICATES LINE OF TRANSITION BETWEEN FLOOR FINISHES. REFER TO DETAILS FOR TRANSITION TYPE.

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HCAI RECORD NUMBER:
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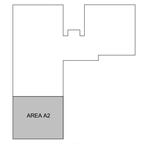
HCAI FACILITY ID: 17353



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Office of Statewide Hospital Planning and Development
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HCAI APPROVAL

LICENSED ARCHITECT
ANNA R. KEMPF
C-39256
JUNE 30, 2025
RENEWAL DATE
STATE OF CALIFORNIA

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

INTERIOR FINISH PLAN - A2

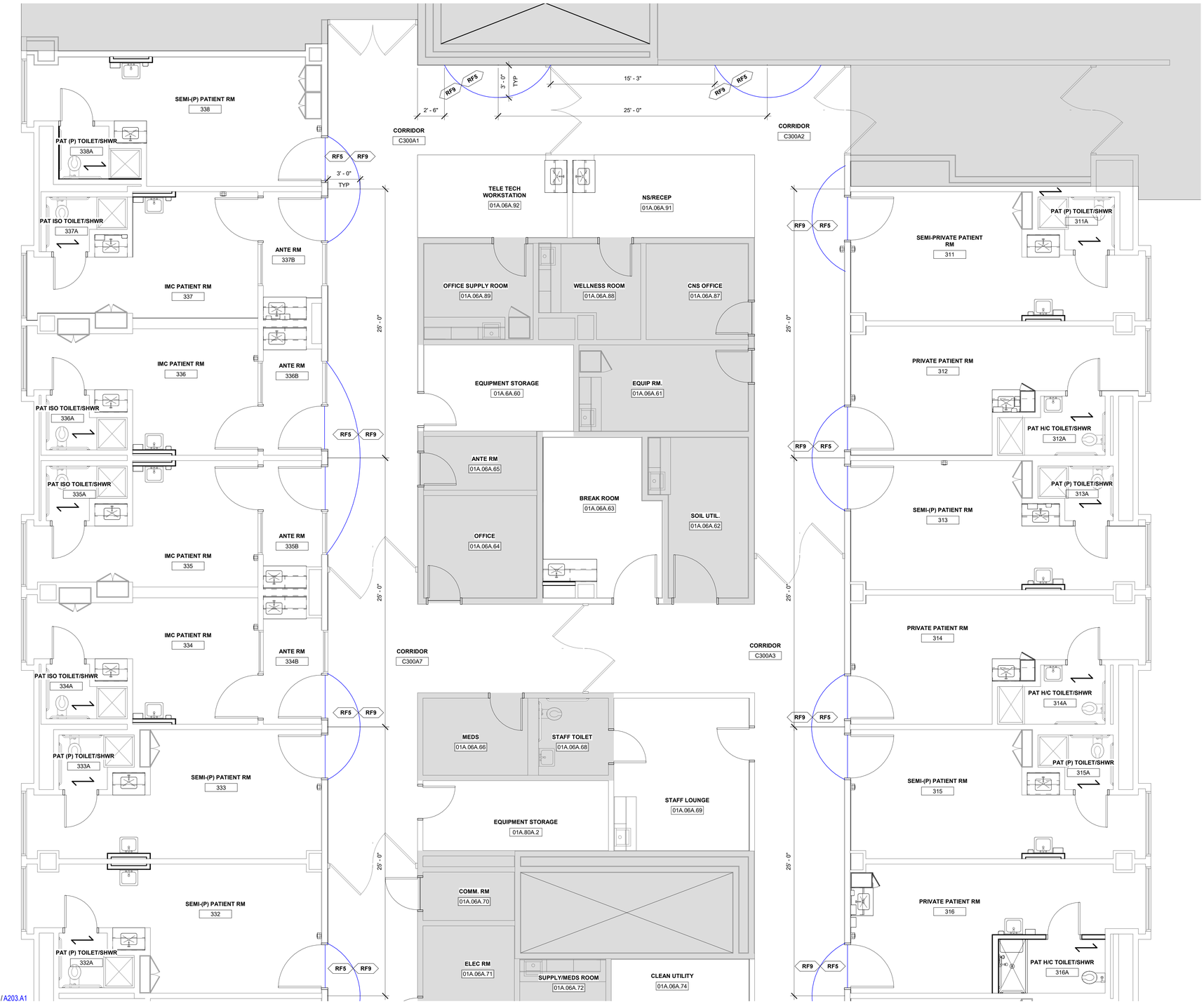
DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

I101

CONSTRUCTION DOCUMENT

Author 4/23/2024 4:50:33 PM Autodesk Docs://Natividad Med Surg 3 Unit - 3707-016-00/Natividad Med-Surg 3 Unit - 3707-016-00 Interiors.rvt



1 ENLARGED FLOOR PATTERN PLAN LEVEL 03 AREA A1
1/4" = 1'-0"

FINISH PLAN LEGEND

WALL FINISH: XX/XX

WALL FINISH SYMBOLS REPRESENT LOCATION OF ACCENT FINISHES STARTING AT THE FLOOR AND MOVING TO THE CEILING. REFER TO ELEVATIONS FOR CLARIFICATION.

GRAIN DIRECTION:

ARROWS INDICATE DIRECTION OF WOOD GRAIN OR LINEAR PATTERN.

FLOOR FINISH: XXX

FLOOR FINISH TRANSITION: XXX XXX

INDICATES LINE OF TRANSITION BETWEEN FLOOR FINISHES. REFER TO DETAILS FOR TRANSITION TYPE.

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HCAI FACILITY ID: 17353

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Office of Statewide Hospital Planning and Development
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ANNA R. KEMPF
C-29256
JUNE 30, 2025
RENEWAL DATE
STATE OF CALIFORNIA

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

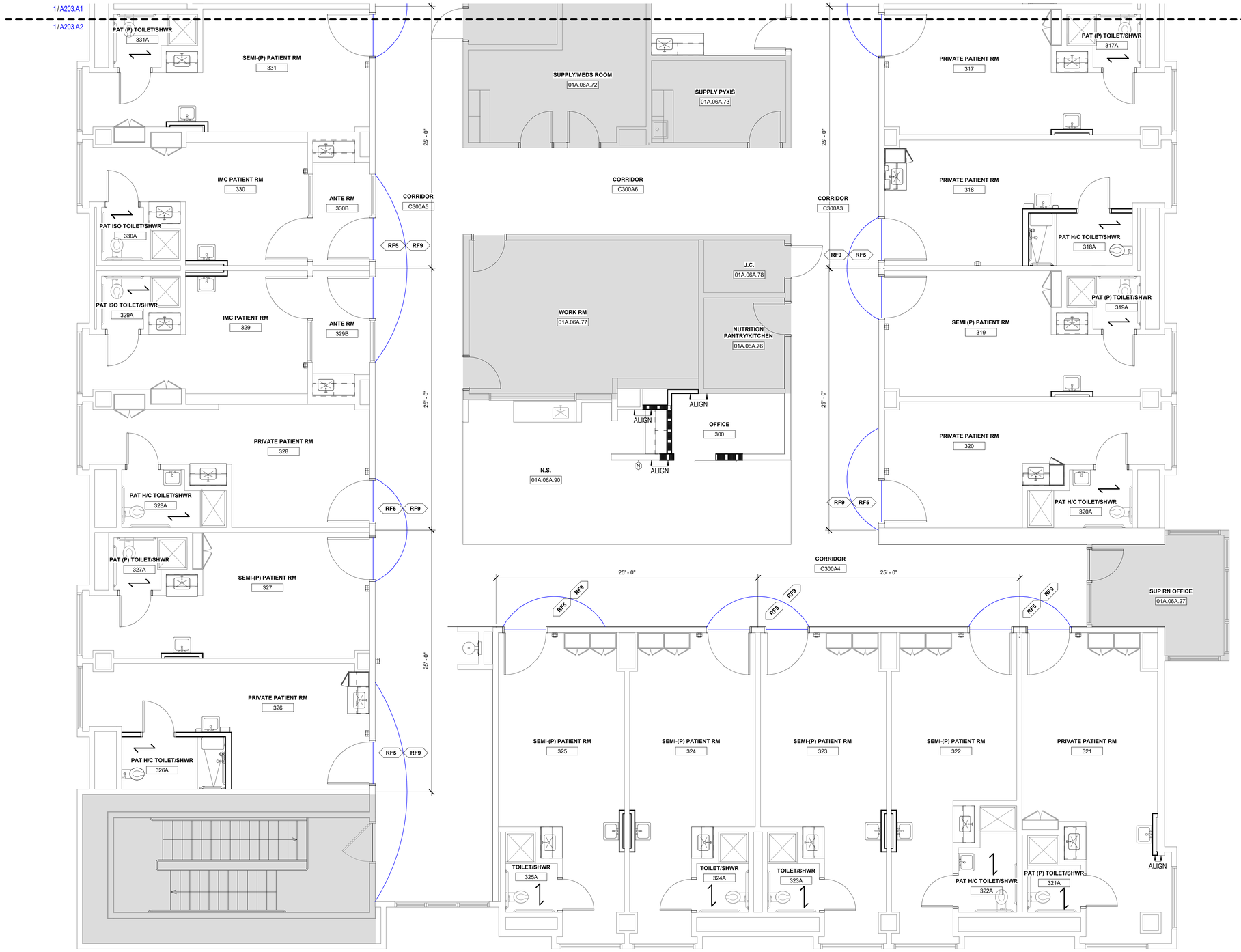
INTERIOR FLOOR PATTERN PLAN - A1

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

I102

CONSTRUCTION DOCUMENT



1 ENLARGED FLOOR PATTERN PLAN LEVEL 03 AREA A2
1/4" = 1'-0"

FINISH PLAN LEGEND

WALL FINISH: XX/XX

WALL FINISH SYMBOLS REPRESENT LOCATION OF ACCENT FINISHES STARTING AT THE FLOOR AND MOVING TO THE CEILING. REFER TO ELEVATIONS FOR CLARIFICATION.

GRAIN DIRECTION:

ARROWS INDICATE DIRECTION OF WOOD GRAIN OR LINEAR PATTERN.

FLOOR FINISH: XXX

FLOOR FINISH TRANSITION: XXX | XXX

INDICATES LINE OF TRANSITION BETWEEN FLOOR FINISHES. REFER TO DETAILS FOR TRANSITION TYPE.

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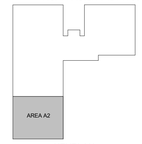

KEYPLAN

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Office of Statewide Hospital Planning and Development
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C-39256
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STATE OF CALIFORNIA

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ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

INTERIOR FLOOR PATTERN PLAN - A2

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

I103

CONSTRUCTION DOCUMENT

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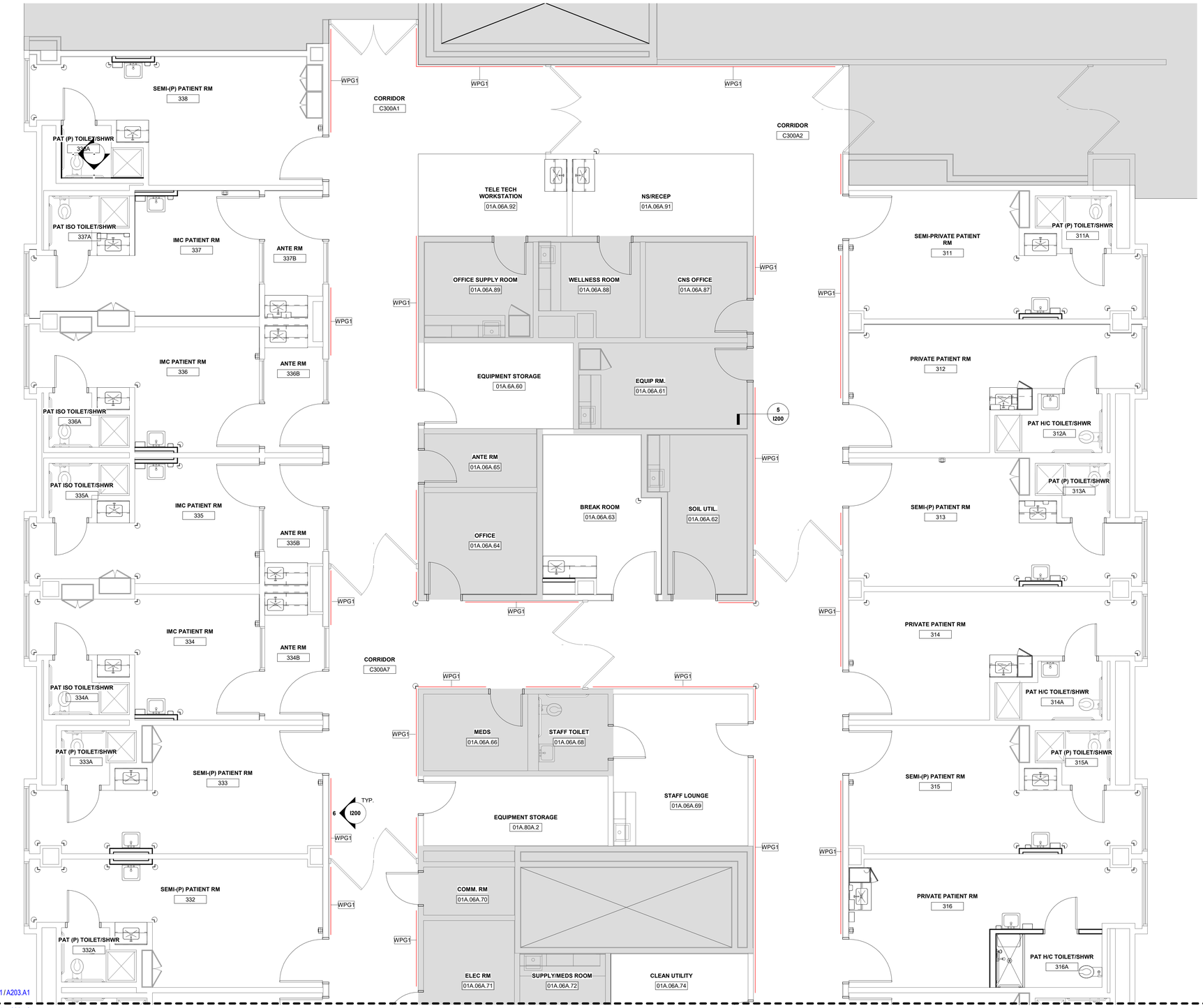

1 ENLARGED WALL PROTECTION PLAN LEVEL 03 AREA A1
1/4" = 1'-0"

WALL PROTECTION PLAN LEGEND

PLEASE NOTE:
WALL PROTECTION IS BEST VIEWED AND PRINTED IN COLOR

WALL PROTECTION:

RE: FINISH LEGEND FOR PRODUCT INFORMATION AND INSTALL HEIGHT.
RE: WALL PROTECTION PLAN PLAN FOR TYPE AND LOCATION

WALL PROTECTION GROUP

WPG1

CORNER GUARD
ALL CORNER GUARDS ARE CG1, UNO

HGA

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HCAI FACILITY ID: 17353

KEYPLAN

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
4/9/2025, 1:09:36 PM
S240593-27-00
Russell Rocker

HCAI APPROVAL

LICENSED ARCHITECT
ANNA R. KEMPF
C-39256
JUNE 30, 2025
RENEWAL DATE
STATE OF CALIFORNIA

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

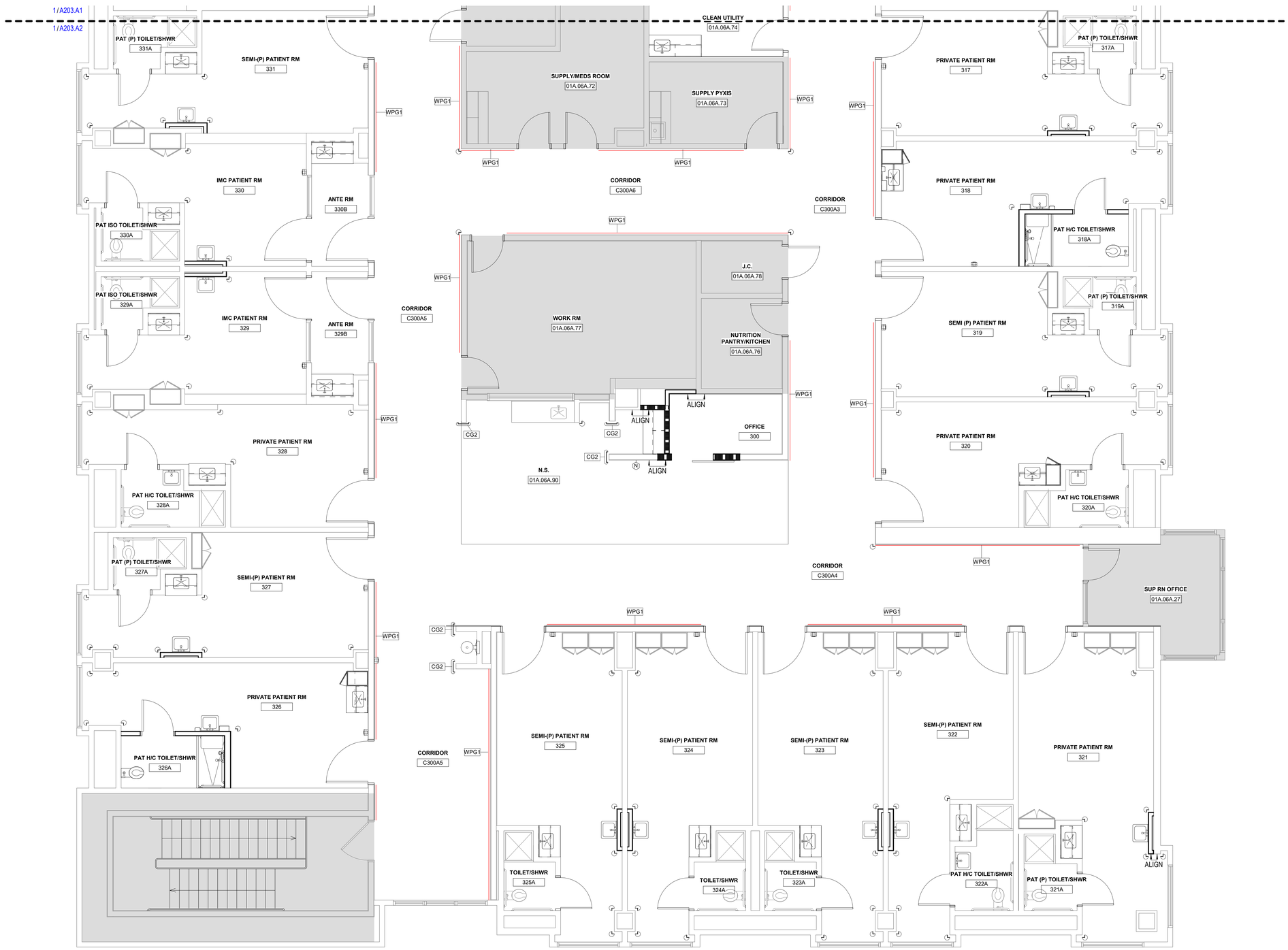
INTERIOR WALL PROTECTION PLAN - A1

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

I104

CONSTRUCTION DOCUMENT



1 ENLARGED WALL PROTECTION PLAN LEVEL 03 AREA A2
1/4" = 1'-0"

WALL PROTECTION PLAN LEGEND

PLEASE NOTE:
WALL PROTECTION IS BEST VIEWED AND PRINTED IN COLOR

WALL PROTECTION:

RE: FINISH LEGEND FOR PRODUCT INFORMATION AND INSTALL HEIGHT.
RE: WALL PROTECTION PLAN PLAN FOR TYPE AND LOCATION

WALL PROTECTION GROUP

WPG1

CORNER GUARD
ALL CORNER GUARDS ARE CG1, UNO

HGA

222 Sutter Street, Suite 500
San Francisco, California 94108
Telephone 415.814.6910

STRUCTURAL ENGINEER
BUEHLER ENGINEERING
180 MONTGOMERY STREET,
SUITE 1500,
SAN FRANCISCO, CA 94104.
415.495.1635

MECHANICAL/PLUMBING ENGINEER
GLUMAC
100 MONTGOMERY STREET,
SUITE 2050,
SAN FRANCISCO, CA 94104
415.398.7667

ELECTRICAL ENGINEER
INT-ELECT ENGINEERING
1487 FINCH LANE, GILROY, CA
95020
408.846.7171

INTERIOR DESIGNER
GALLUN SNOW
1900 GRANT STREET, SUITE 750,
DENVER, CO. 80203
303.433.9500

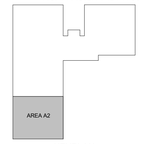
Natividad MEDICAL CENTER

NATIVIDAD MEDICAL CENTER

MEDICAL SURGERY DEPARTMENT LEVEL 3

1441 CONSTITUTION BOULEVARD
SALINAS, CA 93906

HCAI RECORD NUMBER:
S240593-27-00
HCAI FACILITY ID: 17353



KEYPLAN

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S2-05593-27-00
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C-39255
JUNE 30, 2025
RENEWAL DATE
STATE OF CALIFORNIA

NO	DESCRIPTION	DATE

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HGA NO: 3707-016-00

INTERIOR WALL PROTECTION PLAN - A2

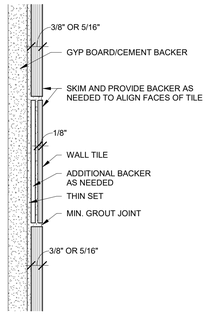
DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

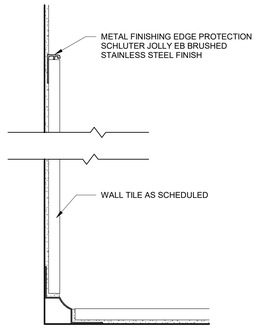
I105

CONSTRUCTION DOCUMENT

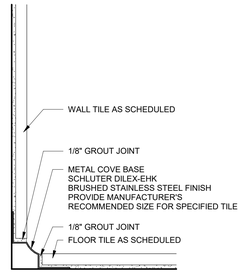
Author 4/23/2024 4:50:38 PM Autodesk Docs://Natividad Med Bldng 3 Unit - 3707-016-00/Natividad Med Bldng 3 Unit - 3707-016-00 Interiors.rvt



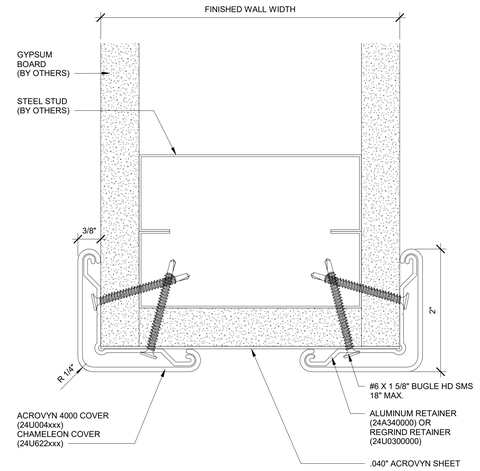
14 CERAMIC TILE ALIGNMENT
6" = 1'-0"



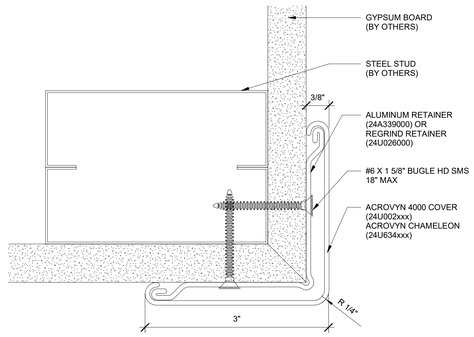
13 METAL TRIM AT WALL TILE
6" = 1'-0"



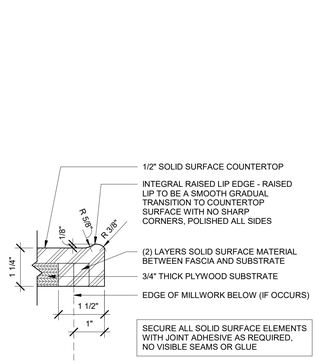
12 METAL COVE BASE AT WALL TILE
6" = 1'-0"



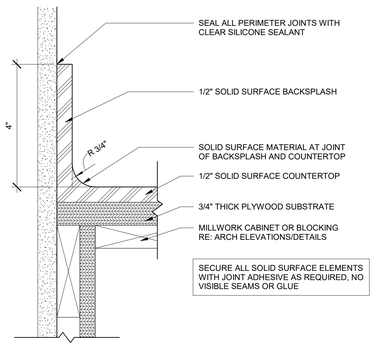
11 CORNER GUARD - ACROVYN SSM-25
12" = 1'-0"



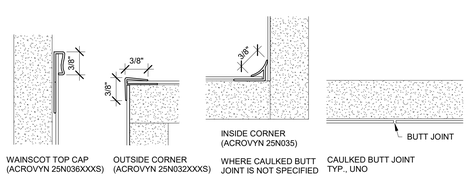
10 CORNER GUARD - ACROVYN SM-20
12" = 1'-0"



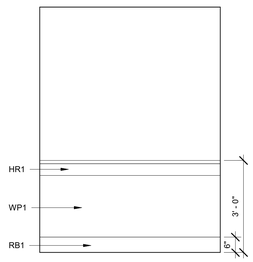
9 SOLID SURFACE LIP EDGE
6" = 1'-0"



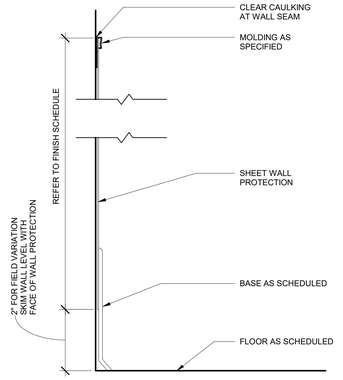
8 SOLID SURFACE BACKSPLASH
6" = 1'-0"



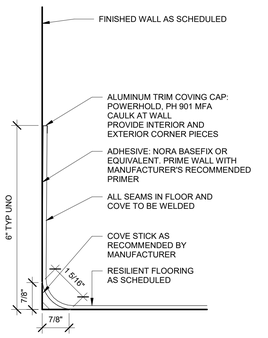
7 SHEET WALL PROTECTION TRIM PIECES
1'-0" = 1'-0"



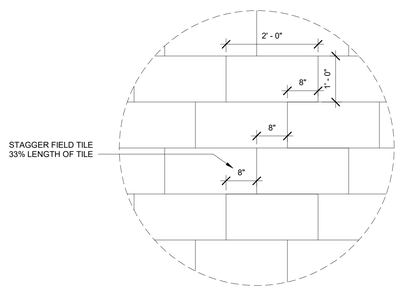
6 WPG1
1/2" = 1'-0"



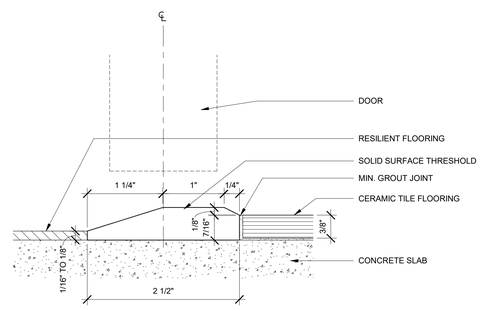
5 SHEET WALL PROTECTION
6" = 1'-0"



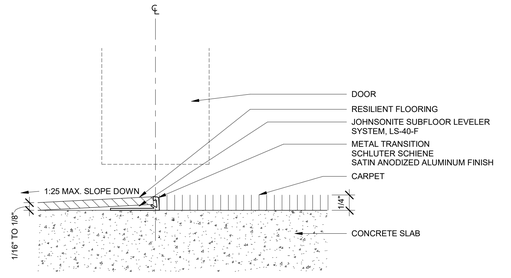
4 INTEGRAL COVE BASE DETAIL
6" = 1'-0"



3 33% OFFSET TILE INSTALLATION
3/4" = 1'-0"



2 RESILIENT TO CERAMIC TILE FLOORING TRANSITION
1'-0" = 1'-0"



1 RESILIENT TO EXISTING CARPET FLOORING TRANSITION
1'-0" = 1'-0"

HGA
222 Sutter Street, Suite 500
San Francisco, California 94108
Telephone 415.814.6910

STRUCTURAL ENGINEER
BUEHLER ENGINEERING
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HGA NO: 3707-016-00

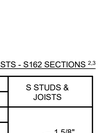
INTERIOR DETAILS

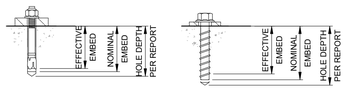
DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

I200

CONSTRUCTION DOCUMENT





GENERAL NOTES

APPLICABLE TO ALL DRAWINGS UNLESS NOTED OR SHOWN OTHERWISE

GENERAL NOTES

100TN001

1. INTERPRETATION OF DRAWINGS & SPECIFICATIONS
    a. WHERE SPECIFICATIONS HAVE BEEN PREPARED FOR THIS PROJECT, THEY ARE ARRANGED IN SEVERAL SECTIONS, BUT SUCH SEPARATION SHALL NOT BE CONSIDERED AS THE LIMITS OF THE WORK REQUIRED OF ANY SEPARATE TRADE. THE TERMS AND CONDITIONS OF SUCH LIMITATIONS ARE WHOLLY BETWEEN THE CONTRACTOR AND THEIR SUBCONTRACTORS.
    b. IN GENERAL, THE WORKING DETAILS WILL INDICATE DIMENSIONS, POSITION AND KIND OF CONSTRUCTION, AND THE SPECIFICATIONS, QUALITIES AND METHODS. ANY WORK INDICATED ON THE WORKING DETAILS AND NOT MENTIONED IN THE SPECIFICATIONS, OR VICE VERSA, SHALL BE FURNISHED AS THOUGH FULLY SET FORTH IN BOTH. WORK NOT PARTICULARLY DETAILED, MARKED OR SPECIFIED, SHALL IDENTICAL OR SIMILAR TO LIKE CASES OF CONSTRUCTION THAT ARE DETAILED, MARKED OR SPECIFIED. IF CONFLICTS OCCUR ON DRAWINGS AND/OR SPECIFICATIONS, THE MOST EXPENSIVE MATERIALS OR METHODS WILL PREVAIL.
    c. SHOULD AN ERROR APPEAR IN THE WORKING DETAILS OR SPECIFICATIONS OR IN WORK DONE BY OTHERS AFFECTING THIS WORK, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AT ONCE AND IN WRITING. IF THE CONTRACTOR PROCEEDS WITH THE WORK SO AFFECTED WITHOUT HAVING GIVEN SUCH WRITTEN NOTICE AND WITHOUT RECEIVING THE NECESSARY APPROVAL, DECISION OR INSTRUCTIONS IN WRITING FROM THE OWNER, THEN THE CONTRACTOR SHALL HAVE NO VALID CLAIM AGAINST THE OWNER, FOR THE COST OF SO PROCEEDING AND SHALL MAKE GOOD ANY RESULTING DAMAGE OR DEFECT. NO VERBAL APPROVAL, DECISION, OR INSTRUCTION SHALL BE VALID OR BE THE BASIS FOR ANY CLAIM AGAINST THE OWNER, ITS OFFICERS, EMPLOYEES OR AGENTS. THE FOREGOING INCLUDES TYPICAL ERRORS IN THE SPECIFICATIONS OR NOTATIONAL ERRORS IN THE WORKING DETAILS WHERE THE INTERPRETATION IS DOUBTFUL OR WHERE THE ERROR IS SUFFICIENTLY APPARENT AS TO PLACE A REASONABLY PRUDENT CONTRACTOR ON NOTICE THAT, SHOULD THE CONTRACTOR ELECT TO PROCEED, THEY ARE DOING SO AT THEIR OWN RISK.
2. CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE CODES AND REGULATIONS.
3. SHOP DRAWING NOTE:
    a. WHEN NOT ADDRESSED BY DIVISION 1 OF THE SPECIFICATIONS, SUBMITTALS SHALL BE ELECTRONIC PDF FORMAT.
    b. THE PURPOSE OF SHOP DRAWING SUBMITTALS BY THE CONTRACTOR IS TO DEMONSTRATE TO THE STRUCTURAL ENGINEER THAT THE CONTRACTOR UNDERSTANDS THE DESIGN CONCEPT BY INDICATING WHICH MATERIAL THE CONTRACTOR INTENDS TO FURNISH AND INSTALL, AND BY DETAILING THE FABRICATION AND INSTALLATION METHODS THE CONTRACTOR INTENDS TO USE ON A STAND ALONE SET OF DOCUMENTS. DUPLICATION OF DESIGN DOCUMENTS FOR THE PURPOSE OF SHOP DRAWINGS IS NOT ACCEPTABLE.
    c. PRIOR TO FABRICATION, SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW BY THE STRUCTURAL ENGINEER. SHOP DRAWING SUBMITTALS SHALL INCLUDE, BUT ARE NOT NECESSARILY LIMITED TO, STRUCTURAL STEEL, REINFORCING STEEL, & GLUE-LAMINATED BEAMS.
    d. PRIOR TO SUBMISSION THE CONTRACTOR SHALL REVIEW ALL SUBMITTALS FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS AND SHALL STAMP SUBMITTALS AS BEING "REVIEWED FOR CONFORMANCE".
    e. SHOP DRAWING SUBMITTALS PROCESSED BY THE STRUCTURAL ENGINEER ARE NOT CHANGE ORDERS.
    f. ANY DETAIL ON THE SHOP DRAWINGS THAT DEVIATES FROM THE CONTRACT DOCUMENTS SHALL CLEARLY BE MARKED WITH THE NOTE "THIS IS A CHANGE".
    g. SHOP DRAWINGS OR CALCULATIONS SUBMITTED FOR REVIEW THAT REQUIRE RESUBMITTAL FOR RE-REVIEW SHALL BE BILLED HOURLY FOR SUCH TIME TO THE GENERAL CONTRACTOR. RE-REVIEW WILL NOT PROCEED WITHOUT WRITTEN APPROVAL FROM THE GENERAL CONTRACTOR FOR ADDITIONAL ENGINEERING REVIEW SERVICES.
4. SAFETY NOTE:
    a. IT IS THE CONTRACTORS RESPONSIBILITY TO COMPLY WITH THE PERTINENT SECTIONS, AS THEY APPLY TO THIS PROJECT, OF THE "CONSTRUCTION SAFETY ORDERS" ISSUED BY THE STATE OF CALIFORNIA LATEST EDITION, AND ALL OSHA REQUIREMENTS.
    b. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATE DESIGN AND CONSTRUCTION OF ALL FORMS AND SHORING REQUIRED. SHORING INDICATIONS (LOCATION, DIRECTION, DURATION, ETC.) ARE ONLY SHOWN ON THE STRUCTURAL DRWGS WHEN REQUIRED TO IMPLEMENT THE DESIGN INTENT OF THE FINAL WORK PRODUCT. DETERMINATION WHETHER SHORING IS REQUIRED FOR TEMPORARY OR INTERMEDIATE CONDITIONS DURING CONSTRUCTION IS WHOLLY THE RESPONSIBILITY OF THE CONTRACTOR.
    c. THE OWNER AND THE STRUCTURAL ENGINEER DO NOT ACCEPT ANY RESPONSIBILITY FOR THE CONTRACTOR'S FAILURE TO COMPLY WITH THESE REQUIREMENTS.
5. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AND STRUCTURAL ENGINEER WHERE A CONFLICT OR DISCREPANCY OCCURS BETWEEN THE STRUCTURAL DRAWINGS AND ANY OTHER PORTION OF THE CONTRACT DOCUMENTS OR EXISTING FIELD CONDITIONS. SUCH NOTIFICATION SHALL BE GIVEN IN DUE TIME SO AS NOT TO AFFECT THE CONSTRUCTION SCHEDULE. IN CASE OF A CONFLICT BETWEEN STRUCTURAL DRAWINGS AND SPECIFICATIONS THE MORE RESTRICTIVE CONDITION SHALL TAKE PRECEDENCE UNLESS WRITTEN APPROVAL HAS BEEN GIVEN FOR THE LEAST RESTRICTIVE. CONTRACTOR SHALL VERIFY ALL DIMENSIONS WITH ARCHITECTURAL PRIOR TO COMMENCING ANY WORK.
6. WHERE NO SPECIFIC DETAIL IS SHOWN, THE CONSTRUCTION SHALL BE IDENTICAL OR SIMILAR TO THAT INDICATED FOR LIKE CASES OF CONSTRUCTION ON THIS PROJECT. SHOULD THERE BE ANY QUESTION, CONTACT THE ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO PROCEEDING.
7. WHEN CONSTRUCTION ATTACHES TO OR IS WITHIN AN EXISTING BUILDING, A COMPLETE SET OF DRAWINGS OF THE EXISTING BUILDING SHALL BE KEPT ON THE JOB SITE. CONTRACTOR TO OBTAIN THESE DRAWINGS FROM THE OWNER (IF THEY ARE AVAILABLE).
8. ANY SUBSTITUTIONS FOR STRUCTURAL MEMBERS, HARDWARE OR DETAILS SHALL BE REVIEWED BY THE ARCHITECT AND STRUCTURAL ENGINEER. SUCH REVIEW WILL BE BILLED ON A TIME AND MATERIALS BASIS TO THE GENERAL CONTRACTOR WITH NO GUARANTEE THAT THE SUBSTITUTION WILL BE ALLOWED.
9. DO NOT SCALE DRAWINGS. CONTACT THE ARCHITECT OR STRUCTURAL ENGINEER FOR ANY DIMENSIONS NOT SHOWN.
10. THESE DRAWINGS ARE NOT COMPLETE UNTIL REVIEWED AND ACCEPTED BY THE ENFORCEMENT AGENCY AND SIGNED BY THE STRUCTURAL ENGINEER.

DESIGN CRITERIA

100TN002-19

1. CODES AND STANDARDS
    2022 CALIFORNIA BUILDING CODE (CBC w/ STATE OF CA AMENDMENTS)
    ASCE 7-16
    ACI 318-14
    AISC 360-16, 341-16, 358-16
    AISI S100-16, S240-15, S400-15
    TMS 402/602-16
    2018 NDS, 2015 SDPWS
2. LATERAL LOADS
    SEISMIC:
    SITE CLASS D - DEFAULT
    S_S = 1.912 ; S_{DS} = 1.53
    S_1 = 0.665 ; S_{D1} = N/A
    I_P = 1.0 TYPICAL
    I_P = 1.5 PER ASCE 7-16 SECT 13.1.3
    RISK CATEGORY: IV

COLD-FORMED METAL FRAMING

540SN001

1. GALVANIZED SHEET STEEL SHALL CONFORM TO ASTM A653, STRUCTURAL QUALITY, WITH A MINIMUM YIELD STRENGTH OF 33 KSI FOR 43 MILS (18 GA) AND THINNER AND ASTM A653, STRUCTURAL QUALITY, WITH A MINIMUM YIELD STRENGTH OF 50 KSI FOR 54 MILS (16 GA) AND THICKER. HOT-ROLLED CARBON SHEET AND STRIP STEEL USED IN THE FABRICATION OF COLD-FORMED MEMBERS SHALL CONFORM TO ASTM A1011 WITH A RUST INHIBITIVE COATING. ALL CFS MEMBERS ARE TO BE COATED IN ACCORDANCE WITH THE OPTIONS SHOWN IN PARAGRAPH 4.3 AND TABLE 1 OF ASTM C955 AND SHALL HAVE A MINIMUM COATING PROTECTION LEVEL OF CP 60.
2. METAL STUDS AND JOISTS SHALL BE OF SIZE AND THICKNESS SHOWN ON DRAWINGS WITH THE MINIMUM EFFECTIVE SECTION PROPERTIES SHOWN IN THE TABLE(S).
3. MINIMUM THICKNESS SHOWN IN TABLE FOR THE THICKNESS SPECIFIED REPRESENTS 95% OF DESIGN THICKNESS PER AISI S240-15
4. METAL FRAMING SHALL BE PER ICC-ES NO. 3064P OR ICC-ES 4205. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AGENCY APPROVAL FOR ANY SUBSTITUTIONS.
5. WELDING SHALL BE IN ACCORDANCE WITH AWS D1.3 "STRUCTURAL WELDING CODE-SHEET STEEL". WELDERS SHALL BE AWS CERTIFIED. WELDING RODS: E60XX MIN (43 MIL AND THINNER), E70XX MIN (54 MIL AND THICKER).
6. SMS SHALL BE PER ONE OF THE FOLLOWING:
    A. GRABBER CONSTRUCTION PRODUCTS INC PER ESR-1271
    B. PRIMESOUCE BUILDING PRODUCTS PER ESR-1408
    C. ITW BUILDEX PER ESR-1976
    D. ITW BUILDEX PER ESR-3223
    E. HILTI PER ESR-2196
    F. PORTEOUS FASTENER PER ESR-3231
    G. ELCO CONSTRUCTION PRODUCTS PER ESR-3294
    H. SIMPSON STRONG-TIE COMPANY PER ESR-3006
7. SMS MUST BE INSTALLED WITH THE FOLLOWING MINIMUM DIMENSIONAL LIMITATIONS: WHERE MULTIPLE FASTENERS ARE USED, SCREWS ARE TO HAVE A CENTER-TO-CENTER SPACING OF AT LEAST 3 TIMES THE NOMINAL DIAMETER (D). SCREWS ARE TO HAVE A CENTER-OF-SCREW TO EDGE-OF-STEEL DIMENSION OF AT LEAST 1.5 TIMES THE NOMINAL DIAMETER (D) OF THE SCREW.
8. ALL SCREWS ARE TO PROTRUDE A MINIMUM OF THREE FULL THREADS BEYOND THE CONNECTED PARTS, UNLESS OTHERWISE NOTED. WHERE THE CONNECTED PARTS ARE DIFFERENT THICKNESS, THE SCREW IS TO FIRST PENETRATE THE THINNER MEMBER, THEN PENETRATE THICKER PART, MEANING, THE SCREW HEAD IS IN CONTACT WITH THE THINNER MEMBER, UNLESS OTHERWISE NOTED.
9. TYPICAL METAL TRACK SHALL BE SAME GAUGE AS STUDS WHICH IT SUPPORTS, UNPUNCHED, WITH A FLANGE WIDTH OF 1 1/4 INCHES AND A DEPTH EQUAL TO THE NOMINAL STUD PLUS 2 TIMES THE TRACK THICKNESS PLUS THE RADIUS. NESTED TRACKS SHALL BE FABRICATED TO FILL THE OUTSIDE OF A TYPICAL METAL TRACK. DEEP LEG TRACKS SHALL HAVE A MINIMUM FLANGE WIDTH OF 2 INCHES. USE SLOTTED SLIP TRACKS WHERE SPECIFIED. SEE SECTIONS AND TYPICAL METAL STUD DETAILS.
10. METAL STUDS AND JOISTS SHALL NOT HAVE PUNCH-OUTS CLOSER THAN 10" CLEAR FROM THE END OF THE MEMBER OR AT INTERMEDIATE LATERAL BEARING POINTS OF THE MEMBER. METAL STUDS WHICH ARE PART OF BUILT-UP HEADER SECTIONS SHALL BE UNPUNCHED FULL LENGTH.
11. AT CONTRACTORS OPTION, ALTERNATIVE PRODUCTS (SUCH AS PROPRIETARY OR PRE-MANUFACTURED ATTACHMENTS) MAY BE USED TO CONNECT FRAMING ELEMENTS OR OTHER CFS MEMBERS TOGETHER. THE CONTRACTOR SHALL PROVIDE A SUBMITTAL FOR BUEHLER'S REVIEW THAT INCORPORATES ALL OF THE PROPOSED CFS CONNECTION SUBSTITUTIONS. ACCEPTABLE MANUFACTURERS INCLUDE:
    A. SIMPSON STRONG TIE
    B. THE STEEL NETWORK
    C. CLARKDIETRICH

COLD-FORMED METAL FRAMING SECTION PROPERTIES - SSMA C STUDS & JOISTS - S162 SECTIONS [2,3]

540SN002

GAUGE/MIL	20/33		18/43		16/54		14/68		S STUDS & JOISTS
DESIGNATION	S162-33		S162-43		S162-54		S162-68		
MIN THICKNESS	0.0329		0.0428		0.0538		0.0677		
DEPTH "D"	Ix	Sx	Ix	Sx	Ix	Sx	Ix	Sx	
2 1/2"	0.235	0.180	0.302	0.240	0.370	0.284	0.450	0.357	
3 5/8"	0.551	0.268	0.710	0.372	0.873	0.444	1.069	0.574	
4"	0.692	0.299	0.892	0.417	1.098	0.498	1.346	0.648	
6"	1.793	0.577	2.316	0.767	2.860	0.916	3.525	1.164	
8"	3.384	0.710	4.500	1.019	5.600	1.229	7.070	1.663	
10"	-	-	7.523	1.302	9.391	1.572	11.978	2.154	
12"	-	-	-	-	14.298	1.914	18.390	2.645	

NOTES:

1. FOR COMPLETE SECTION DESIGNATIONS IN ACCORDANCE WITH SSMAOR SFIA STANDARDS, ADD MEMBER DEPTH TO FRONT OF INDICATED DESIGNATION. EXAMPLE: FOR 3 5/8" MEMBER WITH GAUGE/MIL OF 18/43, THE FULL DESIGNATION IS 362S162-43.
2. SECTION PROPERTIES SHOWN ARE EFFECTIVE PROPERTIES CONFORMING TO AISI A7.2 PER SSMA OR SFIA STANDARDS FOR MATERIAL STRENGTH NOTED IN COLD-FORMED METAL FRAMING NOTES.

POST-INSTALLED ANCHORS

305TN001

1. FOR CONCRETE CONSTRUCTION, POST-INSTALLED ANCHORS SHALL BE ONE OF THE FOLLOWING:
    A. ADHESIVE ANCHORS FOR THRD ROD & REBAR:
        a. HILTI HIT-HY 200 PER ESR-3187
        b. HILTI HIT-RE500 V3 PER ESR-3814
        c. SIMPSON SET-XP PER ESR-2508
        d. SIMPSON SET-3G PER ESR-4057
        e. DEWALT/PURE ESR-3298
    B. EXPANSION ANCHORS:
        a. HILTI KB-TZ2 PER ESR-4266
        b. SIMPSON STRONG BOLT 2 PER ESR-3037
        c. DEWALT/POWER-STUD+ SD2 ESR-2502
    C. SCREW ANCHORS:
        a. HILTI KWIK HUS-EZ (KH-EZ) PER ESR-3027
        b. SIMPSON TITEN HD PER ESR-2713
        c. DEWALT/SCREWBOLT+ PER ESR-3889
2. ANCHOR TYPE, SIZE & EMBEDMENT SHALL BE AS INDICATED IN DRAWINGS. POST-INSTALLED ANCHORS FOR REPAIR SHALL BE EVALUATED ON A CASE BY CASE BASIS. NOTIFY STRUCTURAL ENGINEER FOR REPAIRS.
3. ALL EMBEDMENT DEPTHS CALLED OUT IN DRAWINGS REFER TO EFFECTIVE EMBEDMENT UNLESS OTHERWISE NOTED. SEE DIAGRAM BELOW AND ICC REPORTS.
4. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS GIVEN IN THE EVALUATION REPORT. PROVIDE MINIMUM EMBEDMENT PROVIDED IN ICC ESR REPORT UNLESS NOTED OTHERWISE.
5. PROVIDE SPECIAL INSPECTION AS INDICATED IN THE STATEMENT OF STRUCTURAL SPECIAL INSPECTIONS AND TESTING.
6. WHEN INSTALLING POST-INSTALLED ANCHORS IN EXISTING CONCRETE OR MASONRY, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING EXISTING REINFORCING BARS. MAINTAIN A MINIMUM CLEARANCE OF ONE INCH BETWEEN THE REINFORCEMENT AND THE DRILLED-IN ANCHOR AND/OR PIN. DO NOT INSTALL ANCHORS WITHIN 1 1/2" OF CMU HEAD JOINTS. DO NOT INSTALL ANCHORS IN PRESTRESSED CONCRETE ELEMENTS.
7. ANCHORS INSTALLED FROM THE BOTTOM INTO METAL DECK WITH CONCRETE SHALL BE INSTALLED IN THE CENTER OF THE LOW FLUTE OF THE DECKING UNLESS NOTED OTHERWISE IN EVALUATION REPORT. THE DECKING SHALL HAVE A MINIMUM THICKNESS OF 20 GAUGE. THE MINIMUM THICKNESS OF THE CONCRETE ABOVE THE HIGH FLUTE OF THE METAL DECK SHALL BE AS INDICATED IN THE EVALUATION REPORT. SEE EVALUATION REPORT FOR ADDITIONAL REQUIREMENTS, INCLUDING MINIMUM DIMENSIONS FOR FLUTE WIDTH AND DEPTH.
8. ADHESIVE ANCHORS SHALL BE INSTALLED IN CONCRETE HAVING A MINIMUM AGE OF 21 DAYS AT THE TIME OF ANCHOR INSTALLATION PER ACI 318, CHAPTER 17.
9. INSTALLER CERTIFICATION AND INSPECTION IS REQUIRED FOR HORIZONTAL AND UPWARDLY INCLINED ADHESIVE ANCHORS SUBJECTED TO SUSTAINED TENSION LOADING IN ACCORDANCE WITH ACI 318, CHAPTER 17.
10. IF TEMPERATURE OF BASE MATERIAL AT TIME OF ADHESIVE ANCHOR INSTALLATION IS 45 DEGREES FARENHEIT OR LOWER, AN "ACRYLIC" OR COLD WEATHER ADHESIVE IS REQUIRED. USE DEWALT AC200+, SIMPSON AT-XP, OR HILTI HIT-HY200 WHEN THIS OCCURS.
11. THE TESTING OF THE ANCHORS SHALL BE DONE BY A QUALIFIED TESTING AGENCY AND A REPORT OF THE TEST RESULTS SHALL BE SUBMITTED TO THE GOVERNING AGENCY AND ARCHITECT/STRUCTURAL ENGINEER. SEE NOTES ON THIS SHEET FOR TESTING CRITERIA.

INSTALLED ANCHOR DIAGRAMS

EXPANSION ANCHOR

SCREW ANCHOR

STRUCTURAL SPECIAL INSPECTIONS AND TESTING

APPLICABLE TO ALL DRAWINGS UNLESS NOTED OR SHOWN OTHERWISE

POST-INSTALLED ANCHOR TESTING CRITERIA

305TN002

1. EXPANSION ANCHOR TESTING SHALL COMPLY WITH INSTALLATION TORQUE VALUES PROVIDED IN MANUFACTURER'S EVALUATION REPORT. EPOXY AND SCREW ANCHOR TESTING SHALL COMPLY WITH TENSION TEST VALUES SPECIFIED IN DRAWINGS. TESTING FREQUENCY SHALL COMPLY WITH CBC SECTION 1910A.5.3.
2. APPLY PROOF TEST LOADS TO EXPANSION ANCHORS WITHOUT REMOVING THE NUT IF POSSIBLE. IF NOT, REMOVE NUT AND INSTALL A THREADED COUPLER TO THE SAME TIGHTNESS AS THE ORIGINAL NUT USING A TORQUE WRENCH TO APPLY THE TEST LOAD.
3. REACTION LOADS FROM TEST FIXTURES MAY BE APPLIED CLOSE TO THE ANCHOR BEING TESTED, PROVIDED THE ANCHOR IS NOT RESTRAINED FROM WITHDRAWING BY THE FIXTURE(S).
4. TEST EQUIPMENT (INCLUDING TORQUE WRENCHES) IS TO BE CALIBRATED BY AN APPROVED TESTING LABORATORY IN ACCORDANCE WITH STANDARD RECOGNIZED PROCEDURES.
5. THE FOLLOWING CRITERIA APPLY FOR THE ACCEPTANCE OF INSTALLED ANCHORS:
    a. HYDRAULIC RAM METHOD: THE ANCHOR SHALL HAVE NO OBSERVABLE MOVEMENT FOR A MINIMUM OF 15 SECONDS AT THE APPLICABLE TEST LOAD. FOR EXPANSION AND SLEEVE TYPE ANCHORS, A PRACTICAL WAY TO DETERMINE OBSERVABLE MOVEMENT IS THAT THE WASHER UNDER THE NUT BECOMES LOOSE.
    b. TORQUE WRENCH METHOD: THE APPLICABLE TEST TORQUE MUST BE REACHED WITHIN THE FOLLOWING LIMITS:
        EXPANSION TYPE:
        - ONE-QUARTER (1/4) TURN OF THE NUT FOR 3/8"Ø SLEEVE ANCHORS.
        - ONE-HALF (1/2) TURN OF THE NUT FOR 1/4"Ø AND LARGER ANCHORS.
6. PROVIDE SPECIAL INSPECTION AS NOTED IN THE ICC REPORT.
7. IF ANY ANCHOR FAILS TESTING, ALL ANCHORS OF THE SAME TYPE AND INSTALLED BY THE SAME TRADE SHALL BE TESTED, UNTIL TWENTY (20) CONSECUTIVE ANCHORS PASS, THEN RESUME THE INITIAL TEST FREQUENCY. ANCHORS PREVIOUSLY TESTED PRIOR TO FAILED TEST SHALL NOT BE RETESTED.
8. TORQUE EXPANSION ANCHORS TO THE VALUES SHOWN BELOW:

EXPANSION ANCHOR TORQUE TEST VALUE (FT-LB)

DIAMETER	HILTI KB-TZ2		SIMPSON STRONG BOLT 2		DEWALT POWER-STUD+ SD2	DEWALT POWER-STUD+ SD4 & SD6
	CARBON STEEL	STAINLESS STEEL	CARBON STEEL	STAINLESS STEEL	CARBON STEEL	STAINLESS STEEL
1/4"	4	6	4	4		6
3/8"	30	30	30	30	20	25
1/2"	50	40	60	65	40	40
5/8"	40	60	90	80	60	60
3/4"	110	125	150	150	110	110

HOSPITAL EQUIPMENT ANCHORAGE

100TN015

SUPPORTS AND ATTACHMENTS OF ALL EQUIPMENT TO BE INSTALLED AS A PART OF THIS PROJECT SHALL BE DETAILED ON CONSTRUCTION DOCUMENTS, EXCEPT THOSE EXEMPT BY THE 2019 CBC SECTION 1617A.1.18. EQUIPMENT SUPPORTS AND ATTACHMENTS SHALL BE APPROVED BY THE APPROPRIATE DESIGN PROFESSIONAL OF RECORD (RDP) AND OSHPD AS A PART OF FIELD REVIEWS/OBSERVATIONS. THE INSPECTOR OF RECORD (IOR) SHALL ASSURE THAT THE ABOVE REQUIREMENTS ARE ENFORCED.

EXEMPTION INCLUDE BUT ARE NOT LIMITED TO:

1. FURNITURE (EXCEPT STORAGE CABINETS).
2. TEMPORARY OR MOVABLE EQUIPMENT.
3. EQUIPMENT WEIGHING LESS THAN 400 POUNDS WITH A CENTER OF MASS 4 FEET OR LESS ABOVE THE ADJACENT FLOOR LEVEL.
4. EQUIPMENT WEIGHING 20 POUNDS OR LESS, OR A DISTRIBUTION SYSTEM WEIGHING 5 POUNDS PER FOOT OR LESS.

POWER-ACTUATED FASTENERS (SHOT PINS)

100SN016

1. THESE NOTES GOVERN ALL CONDITIONS CALLED OUT ON THE PLANS AS 'SHOT PINS' UNLESS SPECIFICALLY NOTED OTHERWISE.
2. ALL SHOT PINS SHALL BE X-U UNIVERSAL KNURLED SHANK FASTENERS WITH SHANK DIAMETER OF 0.157" AS MANUFACTURED BY HILTI INCORPORATED IN ACCORDANCE WITH ICC ESR-2269 AND THE CURRENT EDITION OF THE HILTI 'PRODUCT TECHNICAL GUIDE' OR CSI KNURLED SHANK FASTENERS w/ SHANK DIAMETER OF 0.157" AS MANUFACTURED BY DEWALT IN ACCORDANCE w/ ICC ESR-2024.
3. ALL SHOT PINS SHALL INCLUDE STANDARD HILTI STEEL WASHERS OR STANDARD DEWALT STEEL WASHERS.
4. SHOT PINS DRIVEN INTO STEEL BASE MATERIAL SHALL MAINTAIN A MINIMUM EDGE DISTANCE AT ALL STEEL ELEMENTS OF 1/2" AND MINIMUM FASTENER SPACING SHALL BE 1". LENGTH OF PIN SHALL BE AS REQUIRED TO PENETRATE THRU STEEL MEMBER UNO. AT 3/4" THICK STEEL, PENETRATION NEED NOT EXCEED 1/2".
5. SHOT PINS DRIVEN INTO CONCRETE BASE MATERIAL SHALL MAINTAIN A MINIMUM EDGE DISTANCE AT ALL CONCRETE ELEMENTS OF 3" AND MINIMUM FASTENER SPACING SHALL BE 4". PINS SHALL HAVE 1 1/4" PENETRATION UNO. MINIMUM CONCRETE THICKNESS SHALL BE 3 TIMES THE PENETRATION DEPTH. CONCRETE SHALL ATTAIN FULL DESIGN STRENGTH PRIOR TO INSTALLING SHOT PINS.
6. SHOT PINS DRIVEN INTO 3 1/4" MINIMUM LIGHT WEIGHT CONCRETE FILL OVER 3"x 20GA MINIMUM METAL DECK MAY BE INSTALLED FROM THE TOP OR FROM THE BOTTOM IN EITHER THE HIGH OR LOW FLUTE. PINS INSTALLED FROM THE TOP SHALL BE SPACED AS NOTED ABOVE FOR TYPICAL CONCRETE ELEMENTS. PINS INSTALLED FROM THE BOTTOM IN THE HIGH FLUTES SHALL BE INSTALLED WITHIN 1" OF FLUTE CENTER. PINS INSTALLED FROM THE BOTTOM IN THE LOW FLUTES SHALL BE INSTALLED WITHIN 1" OF THE FLUTE CENTER AND SHALL BE NO CLOSER THAN 1 1/8" TO THE EDGE OF THE LOW FLUTE. PINS INSTALLED FROM THE BOTTOM SHALL BE SPACED NO CLOSER THAN 5 1/2" PARALLEL TO THE FLUTES. PINS SHALL HAVE 1" PENETRATION INTO CONCRETE UNO. CONCRETE SHALL ATTAIN FULL DESIGN STRENGTH PRIOR TO INSTALLING SHOT PINS.
7. SHOT PIN INSTALLERS SHALL BE CERTIFIED BY HILTI AND HAVE A CURRENT HILTI ISSUED OPERATORS LICENSE OR CERTIFIED BY DEWALT AND HAVE A CURRENT DEWALT ISSUED OPERATORS LICENSE. SHOT PIN INSTALLATION SHALL MEET ALL OSHA REQUIREMENTS.

ABBREVIATIONS

100SN003

(A)	OCCURS ABOVE	JH	JOIST HANGER
AB	ANCHOR BOLT	LL	LIVE LOAD
ABV	ABOVE	LLH	LONG LEG HORIZONTAL
ADDL	ADDITIONAL	LLV	LONG LEG VERTICAL
AHU	AIR HANDLING UNIT	LONGIT	LONGITUDINAL
ALT	ALTERNATE	LS	LAG SCREW
APPROX	APPROXIMATE	LW	LIGHTWEIGHT
ARCH	ARCHITECTURAL	MECH	MECHANICAL
(B)	OCCURS BELOW	MFR	MANUFACTURER
BLDG	BUILDING	MI	MALLEABLE IRON
BLKG	BLOCKING	×	MARK
BLW	BELOW	MTL	METAL
BM	BEAM	(N)	NEW
B.O.	BOTTOM OF	NIC	NOT IN CONTRACT
BOF	BOTTOM OF FOOTING	NS	NEAR SIDE
BOTT	BOTTOM	NTS	NOT TO SCALE
BRCG	BRACING	NW	NORMAL WEIGHT
BRG	BEARING	O/	OVER
BTWN	BETWEEN	OH	OPPOSITE HAND
BYND	BEYOND	OPNG	OPENING
CC	CENTER TO CENTER	OSB	ORIENTED STRAND BOARD
CG	CENTER OF GRAVITY	PC	PIECE
CJ	CONSTRUCTION JOINT	PERP	PERPENDICULAR
CJP	COMPLETE JOINT PENETRATION	PJP	PARTIAL JOINT PENETRATION
CL	CENTERLINE	PL	PLATE
CLG	CEILING	PT	PRESSURE TREATED
CLR	CLEAR	PW	PUDDLE WELD
CMU	CONCRETE MASONRY UNIT	REINF	REINFORCING OR REINFORCEMENT
COL	COLUMN	REQD	REQUIRED
CONC	CONCRETE	RWD	REDWOOD
CONN	CONNECTION	SC	SLIP CRITICAL
CONT	CONTINUOUS	SCH	SCHEDULE
CONTR	CONTRACTOR	SEOR	STRUCTURAL ENGINEER OF RECORD
COORD	COORDINATE	SHTG	SHEATHING
CSK	COUNTERSINK	SIM	SIMILAR
DBL	DOUBLE	SJ	SLAB CONTROL JOINT
DF	DOUGLAS FIR	SMS	SHEET METAL SCREW
DIAG	DIAGONAL	SOG	SLAB-ON-GRADE
DL	DEAD LOAD	SP	STRUCTURAL PANEL
DWG	DRAWING	SPCG	SPACING
(E)	EXISTING	SQ	SQUARE
EA	EACH	STD	STANDARD
EF	EACH FACE OR EDGE FASTENER	STFNR	STIFFENER
EJ	EXPANSION JOINT	STGRD	STAGGERED
ELEV	ELEVATION	STL	STEEL
EN	EDGE NAILING	STRUCT	STRUCTURAL
EOS	EDGE OF SLAB	SW	SHEAR WALL
EQ	EQUAL	T&B	TOP & BOTTOM
EW	EACH WAY	T&G	TONGUE & GROOVE
FB	FACE OF BLOCK/BRICK OR FLAT BAR	THRD	THREADED
FC	FACE OF CONCRETE	TN	TOE NAIL
FDN	FOUNDATION	T.O.	TOP OF
FF	FINISH FLOOR	TOC	TOP OF CONCRETE (SLAB UNO)
FRMG	FRAMING	TOF	TOP OF FOOTING OR TOP OF FRAMING
FRT	FIRE RETARDANT TREATED	TOS	TOP OF STEEL
FS	FACE OF STUD OR FAR SIDE	TOW	TOP OF WALL
FTG	FOOTING	TRANS	TRANSVERSE
GA	GAUGE OR GAGE	TYP	TYPICAL
GALV	GALVANIZED	UNO	UNLESS NOTED OTHERWISE
GLB	GLUED LAMINATED BEAM	VERT	VERTICAL
GR	GRADE	VIF	VERIFY IN FIELD
GYP	GYPSUM	WF	WIDE FLANGE
HD	HOLDOWN	WHS	WELDED HEADED STUD
HDR	HEADER	WP	WORK POINT
HGR	HANGER	WS	WOOD SCREW
HK	HOOK	WWF	WELDED WIRE FABRIC
HORIZ	HORIZONTAL	XS	EXTRA STRONG
HSB	HIGH STRENGTH BOLT	XXS	DOUBLE EXTRA STRONG
HSS	HOLLOW STRUCTURAL SECTION	Ø	ROUND OR DIAMETER
HT	HEIGHT		

STATEMENT OF STRUCTURAL SPECIAL INSPECTIONS AND TESTING

110TN001

1. SPECIAL INSPECTIONS AND TESTING SHALL BE PROVIDED BY A TESTING AND INSPECTION AGENCY, EMPLOYED BY THE OWNER (OR OWNER'S AUTHORIZED AGENT), AND APPROVED BY THE BUILDING OFFICIAL TO PROVIDE SPECIAL INSPECTIONS AND TESTING FOR THE PARTICULAR TYPE OF CONSTRUCTION.
2. TABLES OF SPECIAL INSPECTIONS AND TESTING ARE DERIVED FROM THE STRUCTURAL PROVISIONS OF THE CBC AND REFERENCED STANDARDS AND ARE FOR REFERENCE ONLY. THE INCLUDED TABLES ARE PROVIDED FOR THE CONVENIENCE OF THE OWNER, TESTING AGENCY AND CONTRACTOR IN DEVELOPING THE SCOPE OF WORK FOR REQUIRED TESTING AND INSPECTION OF STRUCTURAL MATERIALS AND COMPONENTS. FINAL DEFINITION OF THIS SCOPE OF WORK IS TO BE DETERMINED BY THE TESTING AGENCY AND THE OWNER (OR OWNER'S AUTHORIZED AGENT).
3. FREQUENCY OF SPECIAL INSPECTIONS AND TESTING SHALL BE, AT A MINIMUM, AS NOTED FOR THE INDIVIDUAL ELEMENTS WITHIN THE TABLES BELOW. THE CONTRACTOR SHALL COORDINATE TIMING OF SPECIAL INSPECTIONS AND TESTING WITH THE SPECIAL INSPECTION AND TESTING AGENCY,
4. PRIOR TO THE START OF CONSTRUCTION, THE TESTING AND INSPECTION AGENCY SHALL PROVIDE DOCUMENTATION TO THE BUILDING OFFICIAL DEMONSTRATING COMPETENCE AND RELEVANT EXPERIENCE OR TRAINING OF THE SPECIAL INSPECTORS WHO WILL PERFORM THE SPECIAL INSPECTIONS AND TESTS DURING CONSTRUCTION, IN ACCORDANCE WITH CBC SECTION 1704A.2.1.
5. THE TESTING AND INSPECTION AGENCY SHALL SUBMIT REPORTS OF SPECIAL INSPECTIONS AND TESTS TO THE BUILDING OFFICIAL, STRUCTURAL ENGINEER OF RECORD AND THE CONTRACTOR, PER CBC SECTION 1704A.2.4. THE REPORTS SHALL INDICATE WHETHER WORK INSPECTED OR TESTED CONFORMED TO THE APPROVED CONSTRUCTION DOCUMENTS. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF DISCREPANCIES ARE NOT CORRECTED, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND THE STRUCTURAL ENGINEER OF RECORD.
6. SPECIAL INSPECTION AND TESTING RECORDS SHALL BE RETAINED BY THE CONTRACTOR ON SITE UNTIL COMPLETION OF CONSTRUCTION.
7. THE CONTRACTOR SHALL SUBMIT A WRITTEN STATEMENT TO THE BUILDING OFFICIAL ACKNOWLEDGING RESPONSIBILITY FOR CONSTRUCTION OF THE MAIN LATERAL-FORCE RESISTING SYSTEM PRIOR TO COMMENCEMENT OF THAT WORK AS REQUIRED BY CBC SECTION 1704A.4.
8. THE OWNER OR THE OWNER'S AUTHORIZED AGENT SHALL SUBMIT TO THE BUILDING OFFICIAL, A FINAL REPORT DOCUMENTING SPECIAL INSPECTIONS AND TESTS PER CBC SECTION 1704A.2.4, AND REPORTS AND CERTIFICATES PER CBC SECTION 1704A.5.
9. ALL SOILS AND FOUNDATION EXCAVATION INSPECTIONS SHALL BE BY THE GEOTECHNICAL ENGINEER OF RECORD, OR A GEOTECHNICAL FIRM HIRED BY THE OWNER PER CBC SECTION 1705A.6.
10. SPECIAL INSPECTION IS REQUIRED FOR ALL SHOP FABRICATED MEMBERS OR ASSEMBLIES UNLESS WAIVED PER THE EXCEPTIONS IN CBC SECTION 1704A.2.5.
11. DEFINITIONS:
    a. CONTINUOUS - SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS CONTINUOUSLY PRESENT WHEN AND WHERE THE WORK TO BE INSPECTED IS BEING PERFORMED.
    b. PERIODIC - SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS INTERMITTENTLY PRESENT WHERE THE WORK TO BE INSPECTED HAS BEEN OR IS BEING PERFORMED.
    c. QUALITY ASSURANCE (QA) - MONITORING AND INSPECTION TASKS PERFORMED BY AN AGENCY OR FIRM OTHER THAN THE FABRICATOR OR ERECTOR TO ENSURE THAT THE MATERIAL PROVIDED AND WORK PERFORMED BY THE FABRICATOR AND ERECTOR MEET THE REQUIREMENTS OF THE APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS. QUALITY ASSURANCE INCLUDES THOSE TASKS DESIGNATED 'SPECIAL INSPECTION' BY THE APPLICABLE CODE.
    d. QUALITY CONTROL (QC) - CONTROLS AND INSPECTIONS IMPLEMENTED BY THE FABRICATOR OR ERECTOR, AS APPLICABLE, TO ENSURE THAT THE MATERIAL PROVIDED AND WORK PERFORMED MEET THE REQUIREMENTS OF THE APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS.
    e. OBSERVE (O) - OBSERVE THESE ITEMS ON A RANDOM BASIS (DAILY FOR LFRS). OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.
    f. PERFORM (P) - PERFORM THOSE TASKS PRIOR TO FINAL ACCEPTANCE FOR EACH ITEM OR ELEMENT.
    g. DOCUMENT (D) - THE INSPECTOR SHALL PREPARE REPORTS INDICATING THAT THE WORK HAS BEEN PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE REPORT NEED NOT PROVIDE DETAILED MEASUREMENTS FOR JOINT FIT-UP, WPS SETTINGS, COMPLETED WELDS, OR OTHER INDIVIDUAL ITEMS LISTED IN THE TABLES. FOR SHOP FABRICATION, THE REPORT SHALL INDICATE THE PIECE MARK OF THE PIECE INSPECTED. FOR FIELD WORK, THE REPORT SHALL INDICATE THE REFERENCE GRID LINES AND FLOOR OR ELEVATION INSPECTED. WORK NOT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS AND WHETHER THE NONCOMPLIANCE HAS BEEN SATISFACTORILY REPAIRED SHALL BE NOTED IN THE INSPECTION REPORT.
12. SPECIAL INSPECTIONS AND TESTING SHALL BE PERFORMED DURING CONSTRUCTION ON THE WORK SHOWN IN THE CONSTRUCTION DOCUMENTS AS REQUIRED BY CBC CHAPTER 17A, THE TABLES LISTED BELOW, AND THE JURISDICTION'S SPECIAL INSPECTION AND TESTING FORM. IF DISCREPANCIES ARE NOTED, CONTACT THE SEOR. ALL EXCEPTIONS INCLUDED IN CBC CHAPTER 17A ARE PERMITTED TO BE USED.
    - CONCRETE CONSTRUCTION (POST-INSTALLED ANCHORS)

CONCRETE CONSTRUCTION - POST-INSTALLED ANCHORS
REQUIRED SPECIAL INSPECTIONS AND TESTS
CBC TABLE 1705A.3
110TN302

TYPE	CONTINUOUS	PERIODIC	REFERENCED STANDARD
1. INSPECT AND TEST ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS. [a,b,c]			ACI 318: 17.8.2.4, 17.8.2
a. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.	x	-	
b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 1.A.	-	X	

a. SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE INCLUDED IN THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPROVED SOURCE IN ACCORDANCE WITH 17.8.2 IN ACI 318, OR OTHER QUALIFICATION PROCEDURES. WHERE SPECIFIC REQUIREMENTS ARE NOT PROVIDED, SPECIAL INSPECTION REQUIREMENTS SHALL BE SPECIFIED BY THE REGISTERED DESIGN PROFESSIONAL AND SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO COMMENCEMENT OF THE WORK.

b. INSTALLATION OF ALL ADHESIVE ANCHORS IN HORIZONTAL AND UPWARDLY INCLINED POSITIONS SHALL BE PERFORMED BY AN ACI/CRSI CERTIFIED ADHESIVE ANCHOR INSTALLER, EXCEPT WHERE THE FACTORED DESIGN TENSION ON THE ANCHORS IS LESS THAN 100 LBS AND THOSE ANCHORS ARE CLEARLY NOTED ON THE APPROVED CONSTRUCTION DOCUMENTS OR WHERE THE ANCHORS ARE SHEAR DOWELS ACROSS COLD JOINTS IN SLABS ON GRADE WHERE THE SLAB IS NOT PART OF THE LATERAL FORCE-RESISTING SYSTEM.

c. SEE THE POST-INSTALLED ANCHOR NOTES FOR ADDITIONAL INFO.

STRUCTURAL SHEET INDEX

S1.01	GENERAL NOTES
S2.01	THIRD FLOOR PARTIAL PLAN
S2.02	DETAILS

HGA

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Telephone 415.814.6910

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SAN FRANCISCO, CA 94104.
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MECHANICAL/PLUMBING ENGINEER
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100 MONTGOMERY STREET,
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Natividad MEDICAL CENTER

NATIVIDAD MEDICAL CENTER

MEDICAL SURGERY DEPARTMENT LEVEL 3

1441 CONSTITUTION
BOULEVARD
SALINAS, CA 93906

HCAI RECORD NUMBER:
S240593-27-00
HCAI FACILITY ID: 17353

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
4/9/2025, 1:09:36 PM
S240593-27-00
Russell Rocker

HCAI APPROVAL

WARREN R. POTTEBAUM
No. 4791
STRUCTURAL

△NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

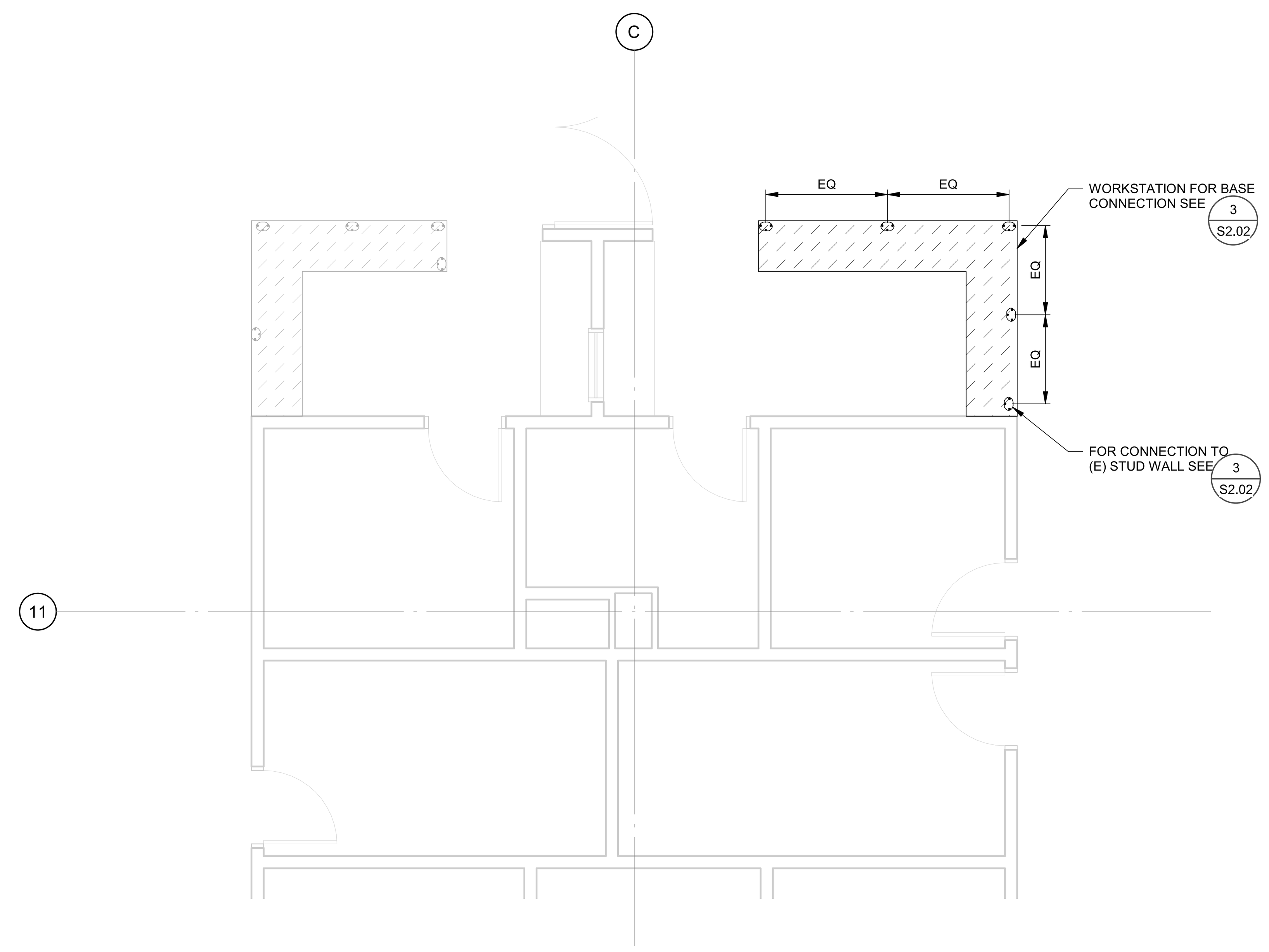
GENERAL NOTES

DATE: APRIL 16, 2024

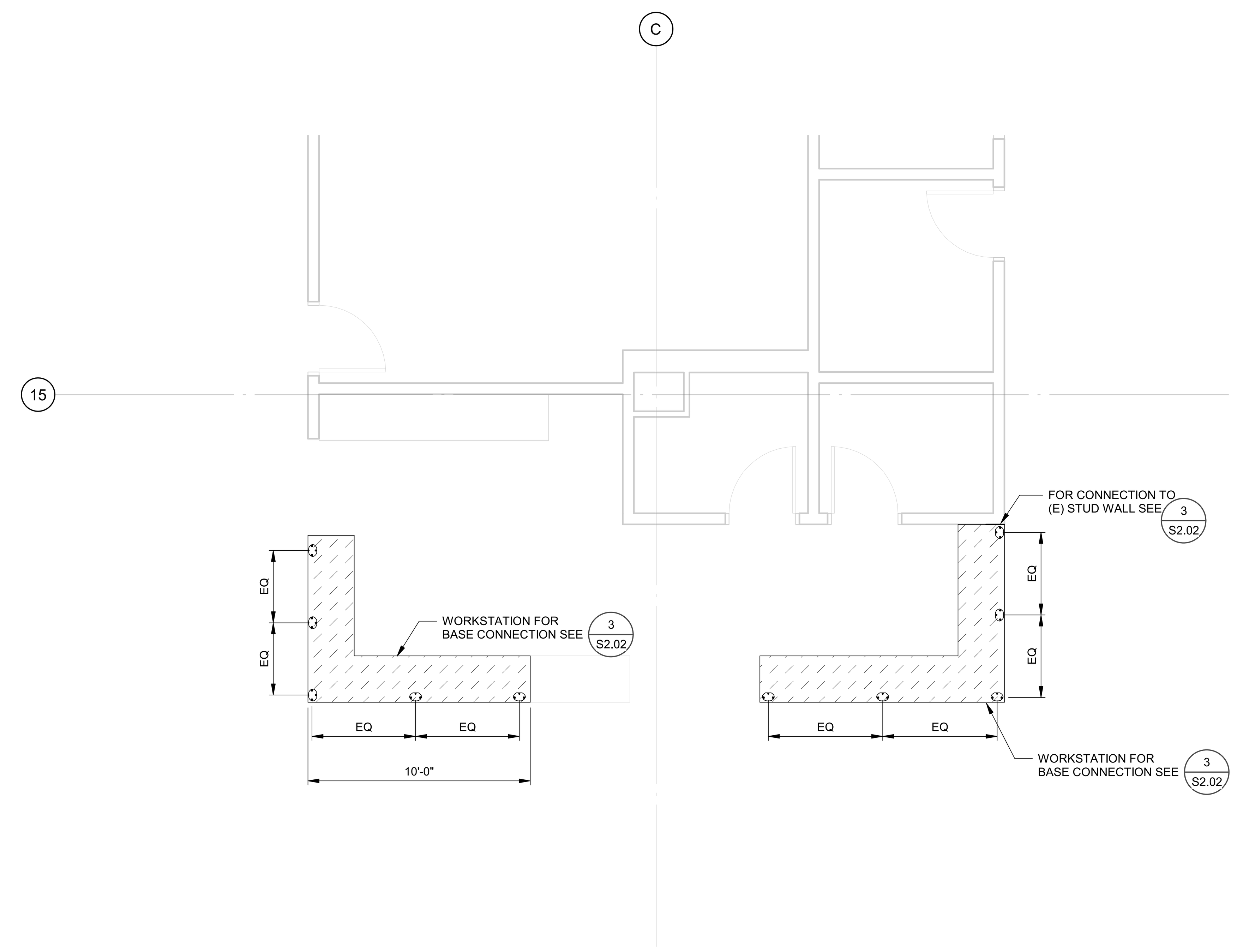
CONSTRUCTION DOCUMENTS

S1.01

CONSTRUCTION DOCUMENT



PARTIAL PLAN 1 S2.01 1/4" = 1'-0"



PARTIAL PLAN 2 S2.01 1/4" = 1'-0"

HGA

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Natividad MEDICAL CENTER

NATIVIDAD MEDICAL CENTER

MEDICAL SURGERY DEPARTMENT LEVEL 3

1441 CONSTITUTION BOULEVARD
SALINAS, CA 93906

HCAI RECORD NUMBER: S240593-27-00
HCAI FACILITY ID: 17353

AREA A1
AREA A2

KEYPLAN

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
4/9/2025, 1:09:36 PM
S240593-27-00
Russell Rocker

HCAI APPROVAL

REGISTERED PROFESSIONAL ENGINEER
WARREN R. POTTEBAUM
No. 4791
STRUCTURAL
STATE OF CALIFORNIA

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

THIRD FLOOR PARTIAL PLAN

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

CONSTRUCTION DOCUMENT

S2.01

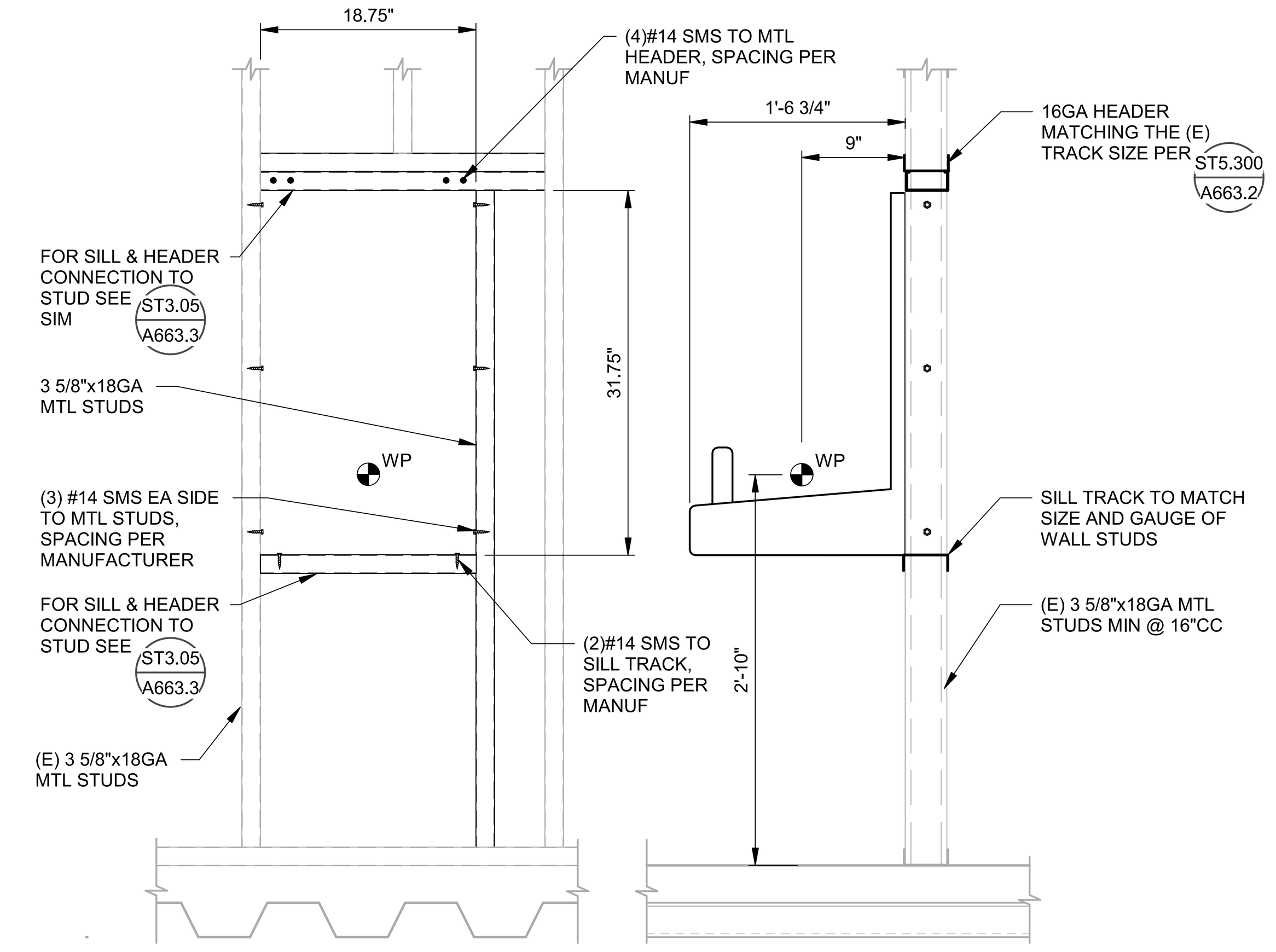
Author 4/23/2024 1:52:45 PM c:\revit\2022-0122_Natividad Med Surg_R22_Central_JRTangonan.rvt

EQUIPMENT SCHEDULE

A / S2.02

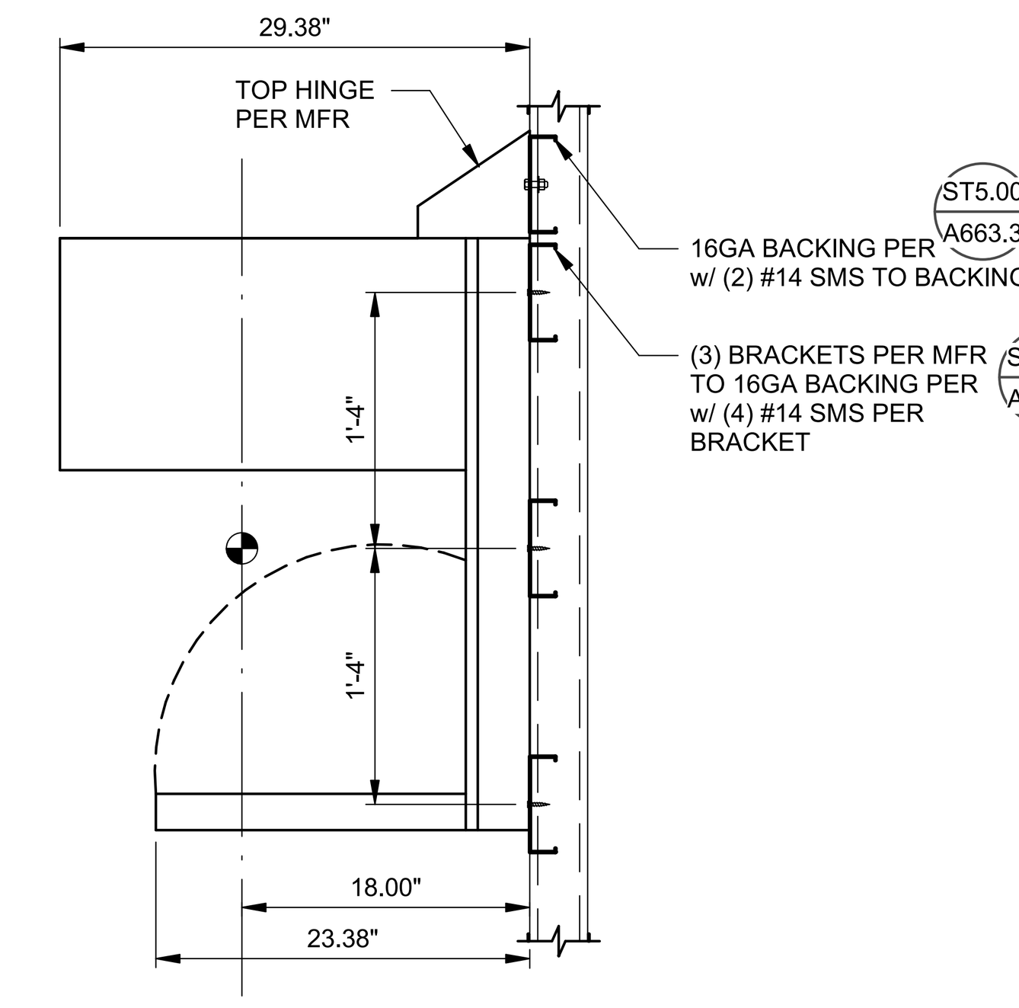
ID	DESCRIPTION	WT (LBS)	MOUNTING				ANCHORAGE DETAIL	COMMENTS
			WALL	FLOOR	COUNTERTOP	SUSPENDED		
	WATER FILLER	120	X				1/S2.02	
	PROXIMITY WALL MOUNTED COMPUTER WORKSTATION UNIT	60	X				2/S2.02	
	SAMSUNG 32" TV MONITOR	200	X				4/S2.02	
	REFRIGERATOR	800	X				5/S2.02	w/ CONTENT
	LOCKERS	300	X	X			7/S2.02	w/ CONTENT

BC1



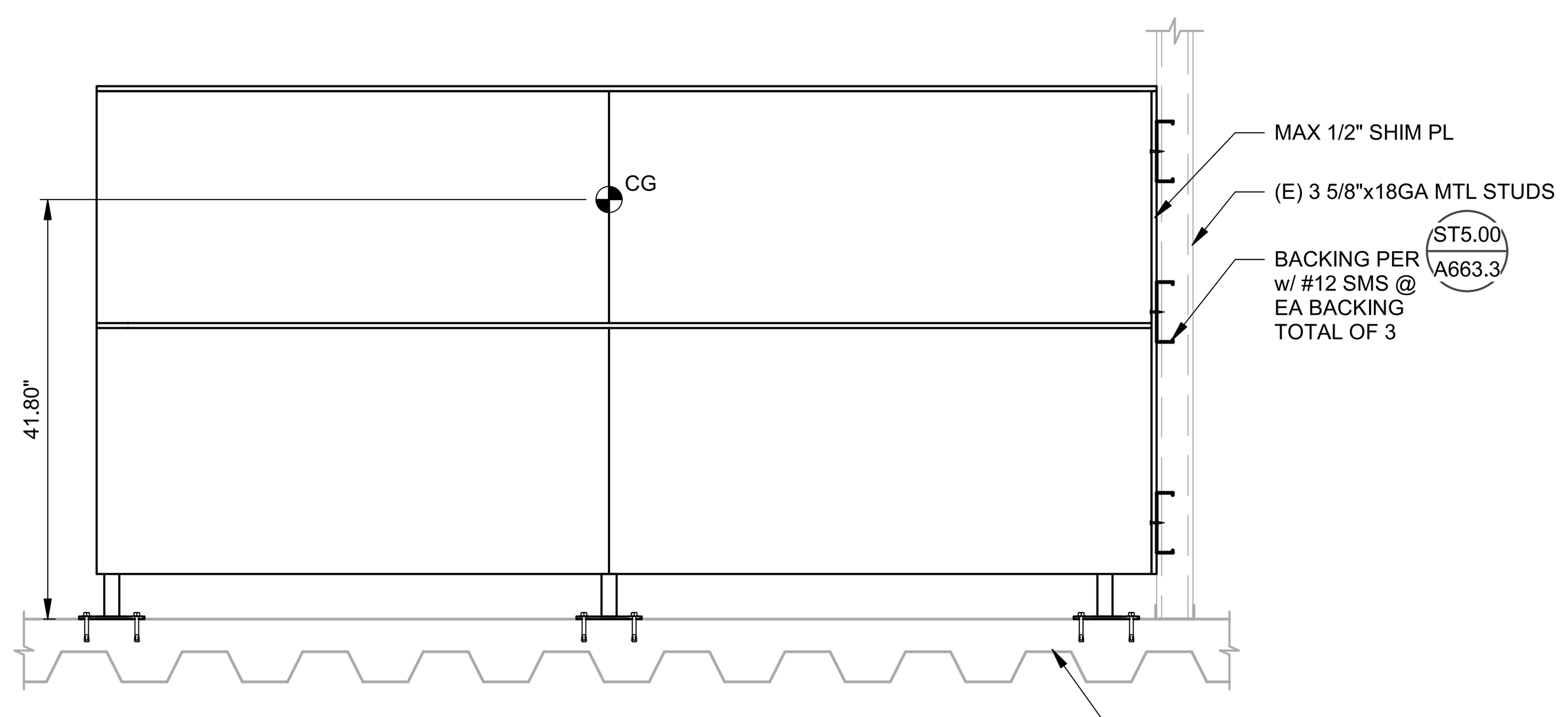
ELKAY WATER FILLER
MAX WT = 120#

DETAIL 1 / S2.02 1" = 1'-0"



PROXIMITY EMBRACE EXT28 COMPUTER WORKSTATION
MAX WT = 100# (INCLUDING MONITOR AND MOUSE)

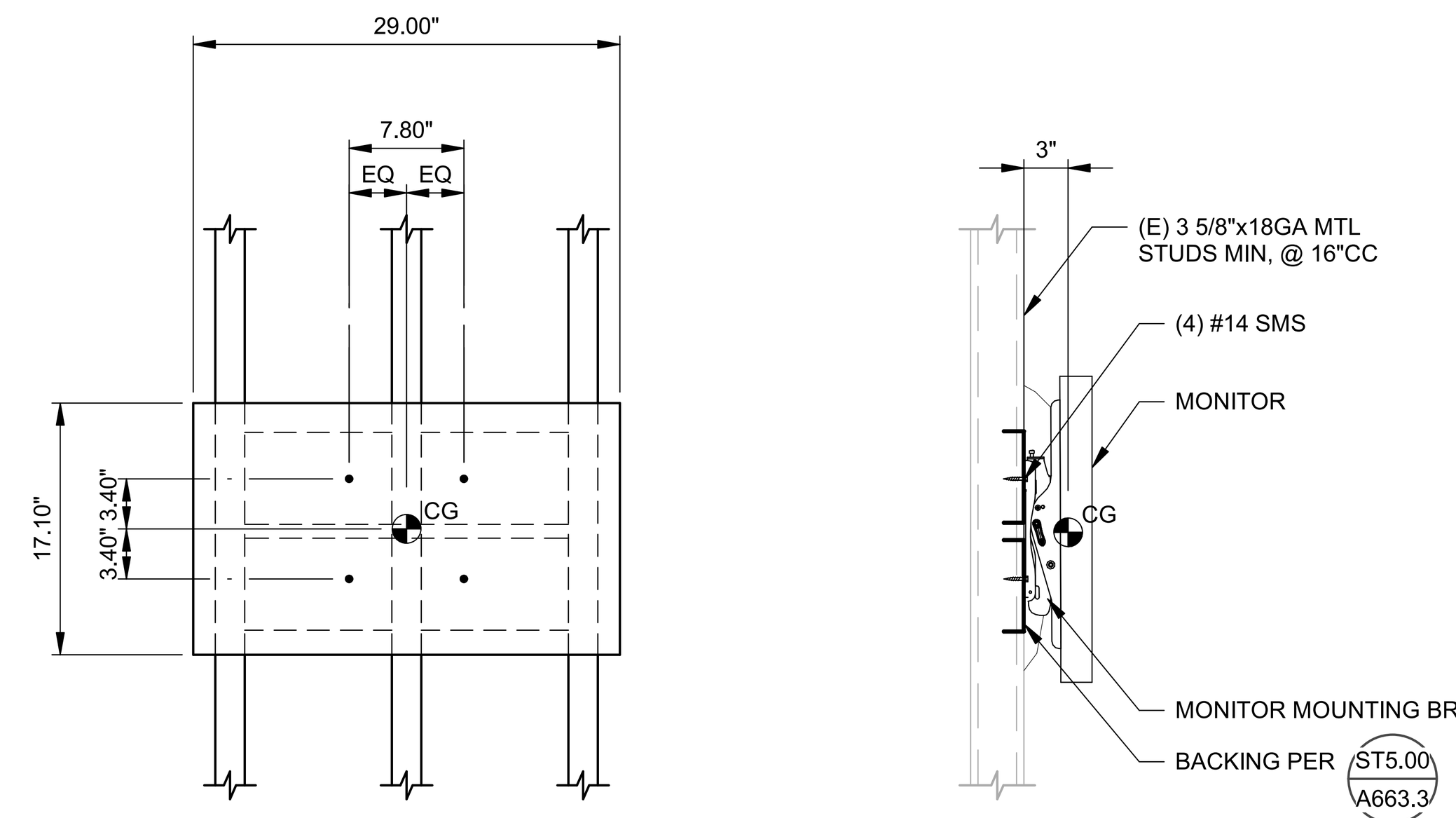
DETAIL 2 / S2.02 1" = 1'-0"



NOTE:
THIS DETAIL IS DIAGRAMTIC. SEE ARCH PLANS FOR SPECIFIC CONFIGURATIONS.

FRONT ELEVATION

(E) CONC o/ MTL DECK PER PLAN

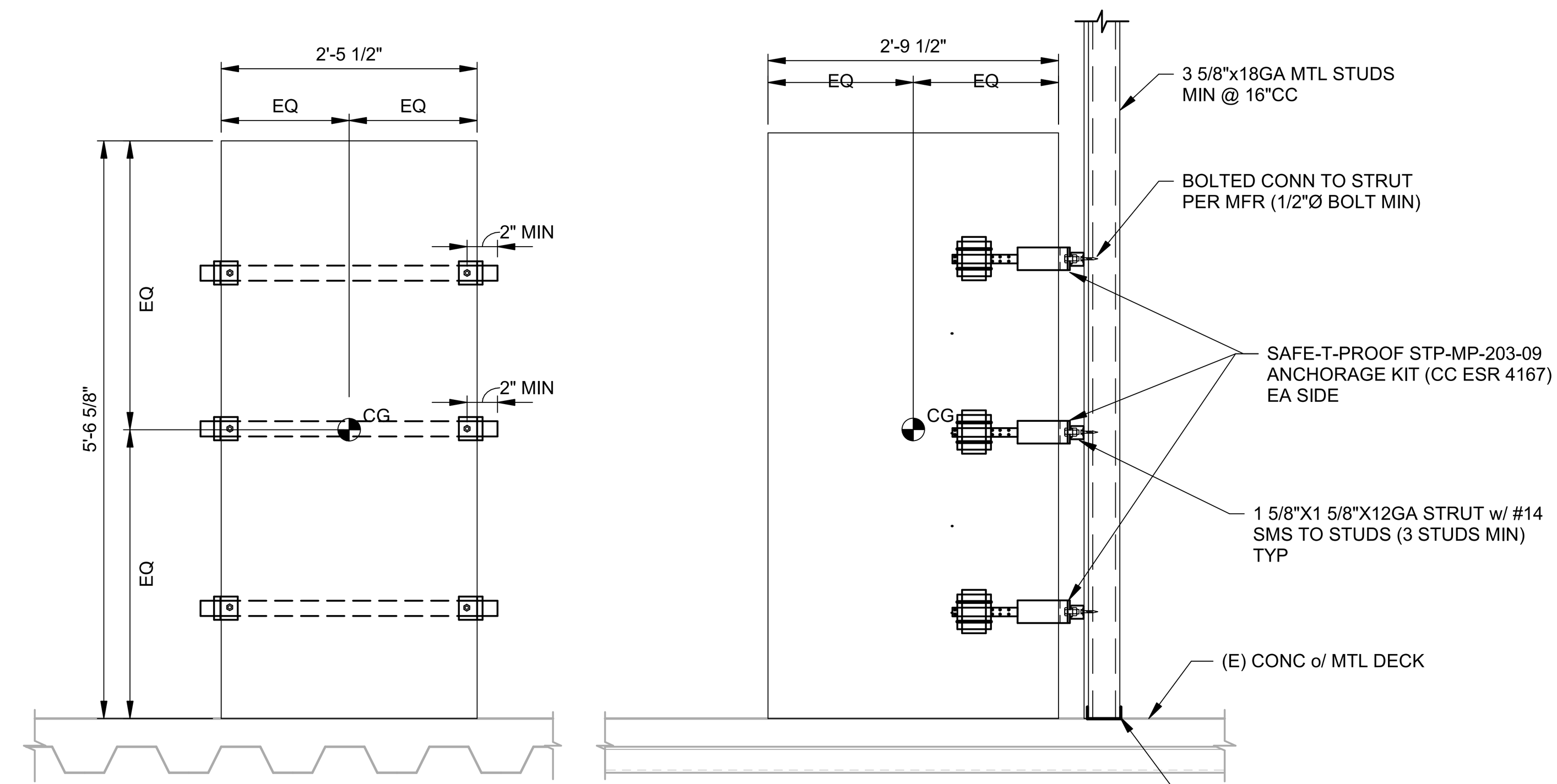


FRONT ELEVATION

SIDE ELEVATION

TV MONITOR
MAX WT = 20#

DETAIL 4 / S2.02 1" = 1'-0"



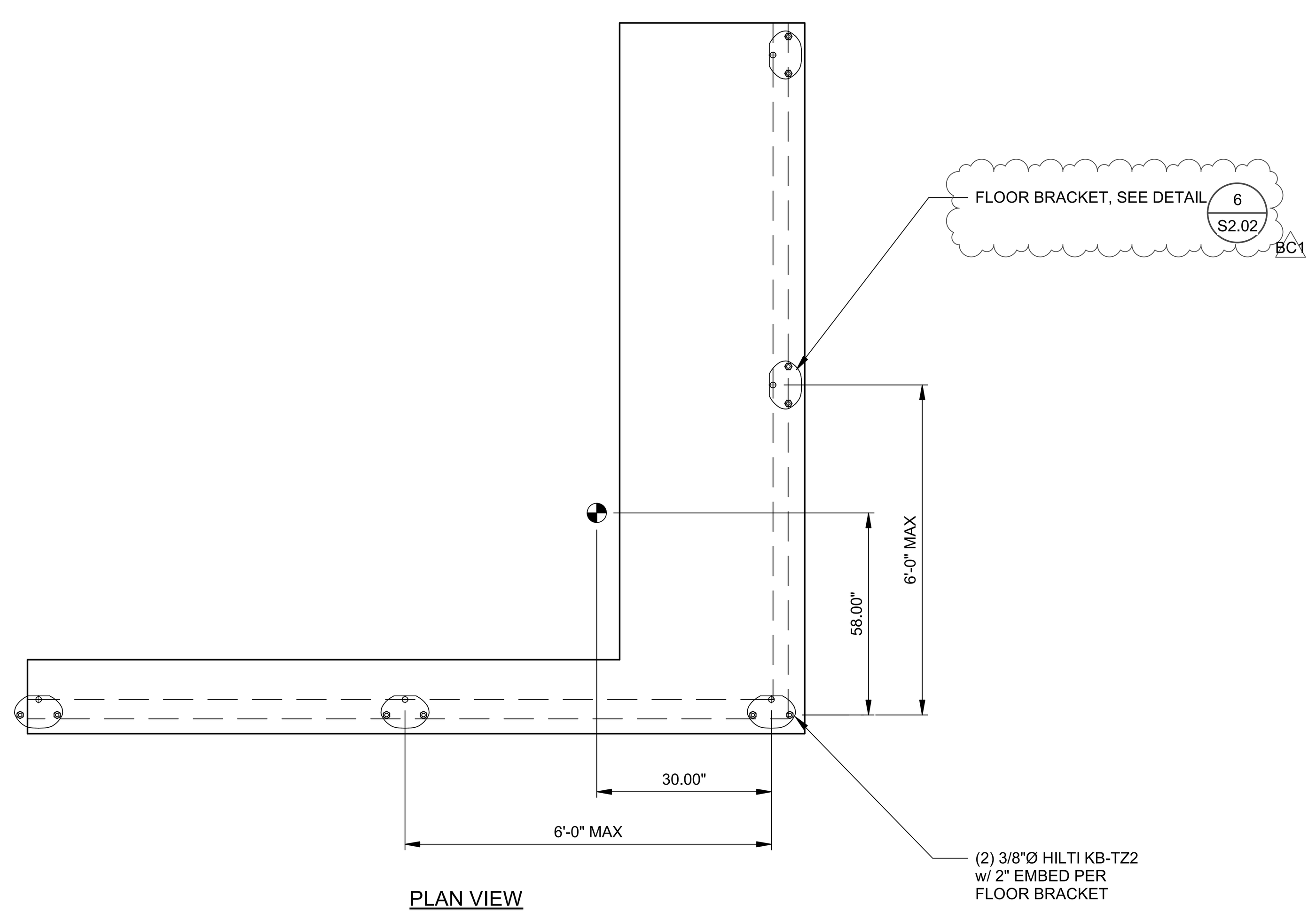
FRONT ELEVATION

SIDE ELEVATION

ONE 3/8"Ø HILTI KB-TZ2 w/ 1 1/2" EMBED @ 24"CC ALONG THE WIDTH OF THE REFRIGERATOR

REFRIGERATOR
MAX WT = 800# (INCLUDING CONTENTS)

DETAIL 5 / S2.02 NO SCALE

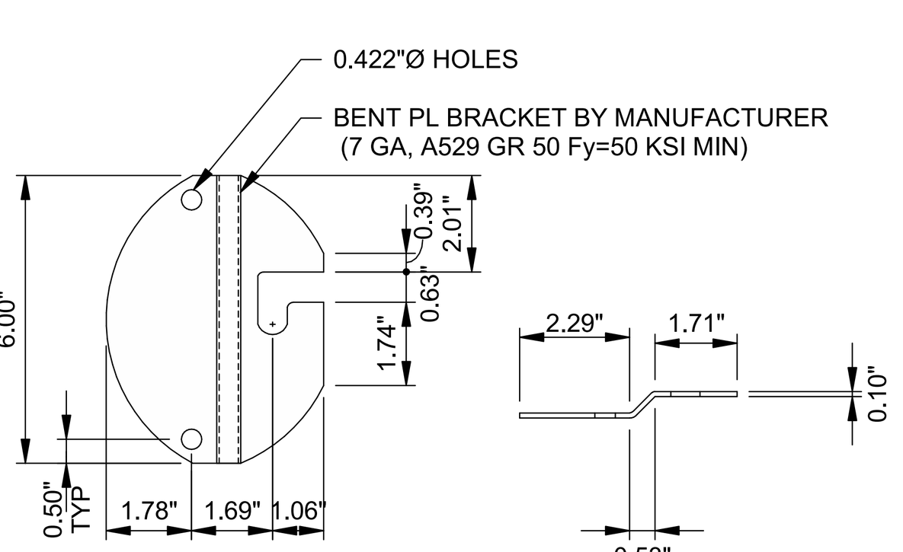


PLAN VIEW

WORKSTATION B
MAX WT = 936#

BC1

DETAIL 3 / S2.02 3/4" = 1'-0"

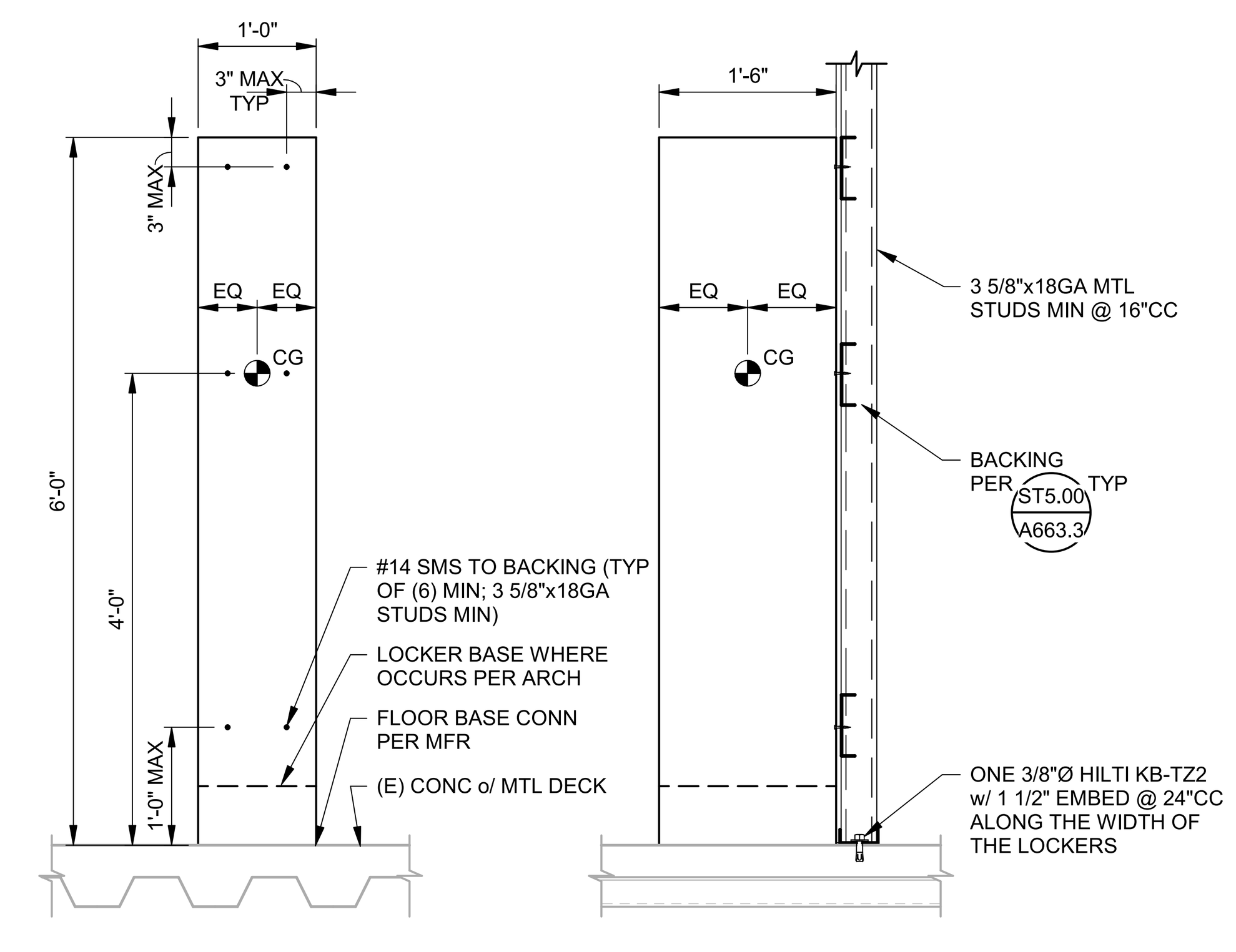


PLAN

SIDE

DETAIL 6 / S2.02 NO SCALE

BC1

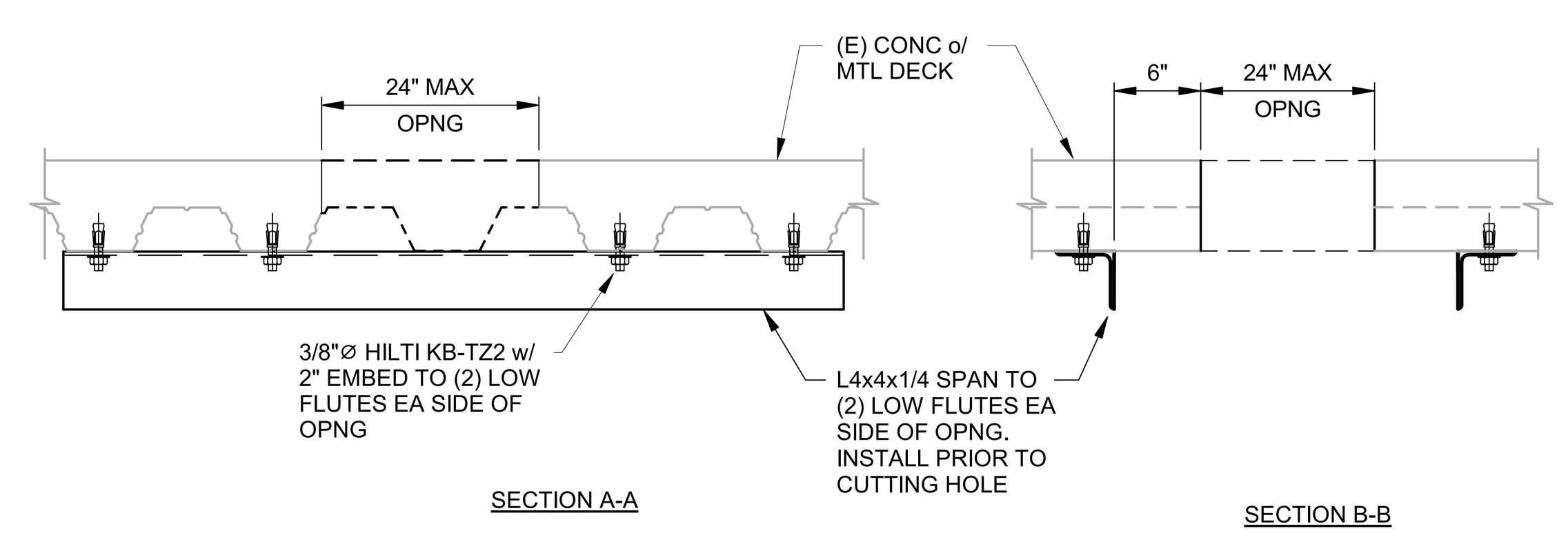


FRONT ELEVATION

SIDE ELEVATION

LOCKERS
MAX WT = 300# (INCLUDING CONTENTS)

DETAIL 7 / S2.02 NO SCALE



SECTION A-A

SECTION B-B

NOTES:
1. APPLIES AT OPENINGS FROM 6" TO 24" WIDE IN CONCRETE OVER METAL DECK.
2. THE MIN CLR SPACING BETWEEN OPENINGS SHALL BE '2 x OPENING WIDTH' UNLESS OPENINGS ARE GROUPED AND TREATED AS A SINGLE COMBINED OPENING OF 2'-0" MAX WIDTH.

DETAIL 8 / S2.02 OPENINGS 6" TO 24" IN METAL DECK w/ FILL 1" = 1'-0"

BC1

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Natividad MEDICAL CENTER

NATIVIDAD MEDICAL CENTER

MEDICAL SURGERY DEPARTMENT LEVEL 3

1441 CONSTITUTION BOULEVARD
SALINAS, CA 93906

HCAI RECORD NUMBER: S240593-27-00
HCAI FACILITY ID: 17353

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
4/9/2025, 1:09:36 PM
S240593-27-00
Russell Rocker

HCAI APPROVAL

REGISTERED PROFESSIONAL ENGINEER
WARREN R. POTTEBAUM
No. 4791
STRUCTURAL
STATE OF CALIFORNIA

AGENCY APPROVAL

NO	DESCRIPTION	DATE
BC1	BACKCHECK 1	12/13/2024

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

DETAILS

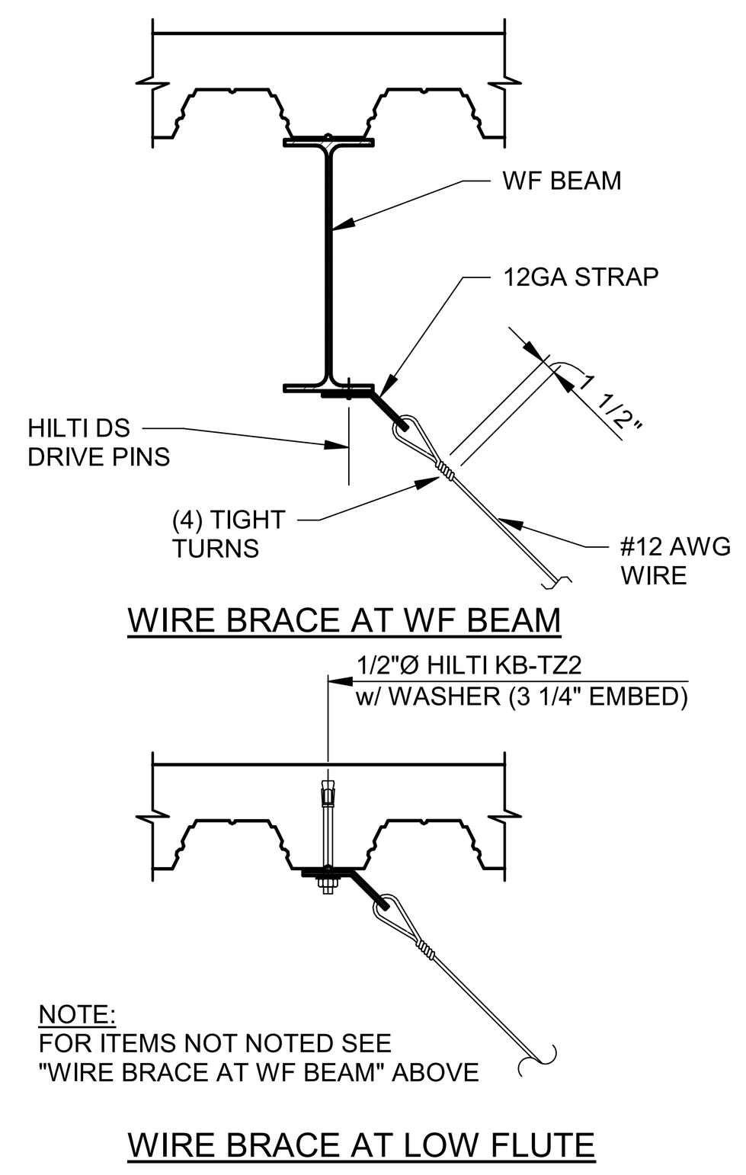
CONSTRUCTION DOCUMENT

DATE: APRIL 16, 2024

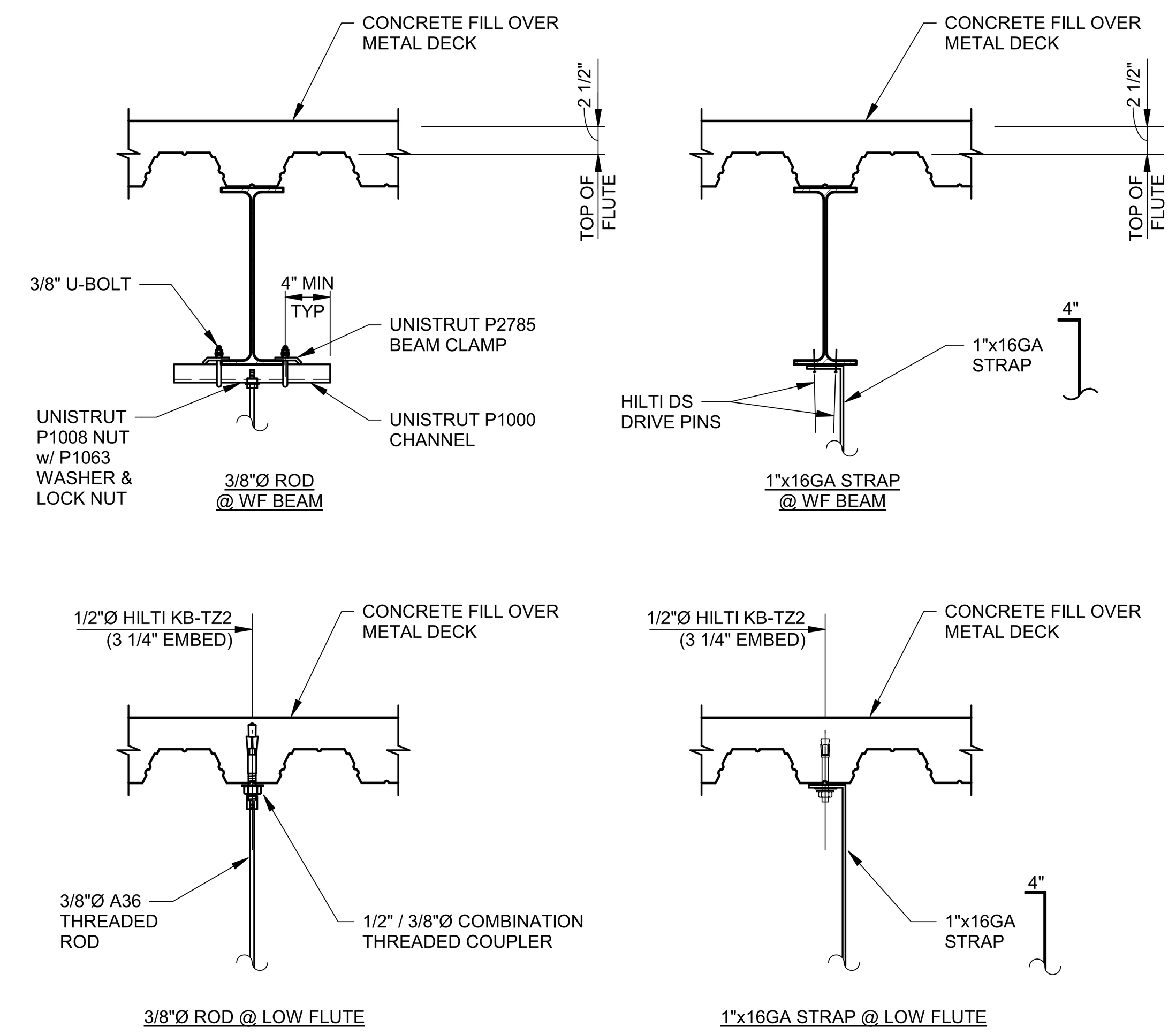
CONSTRUCTION DOCUMENTS

S2.02

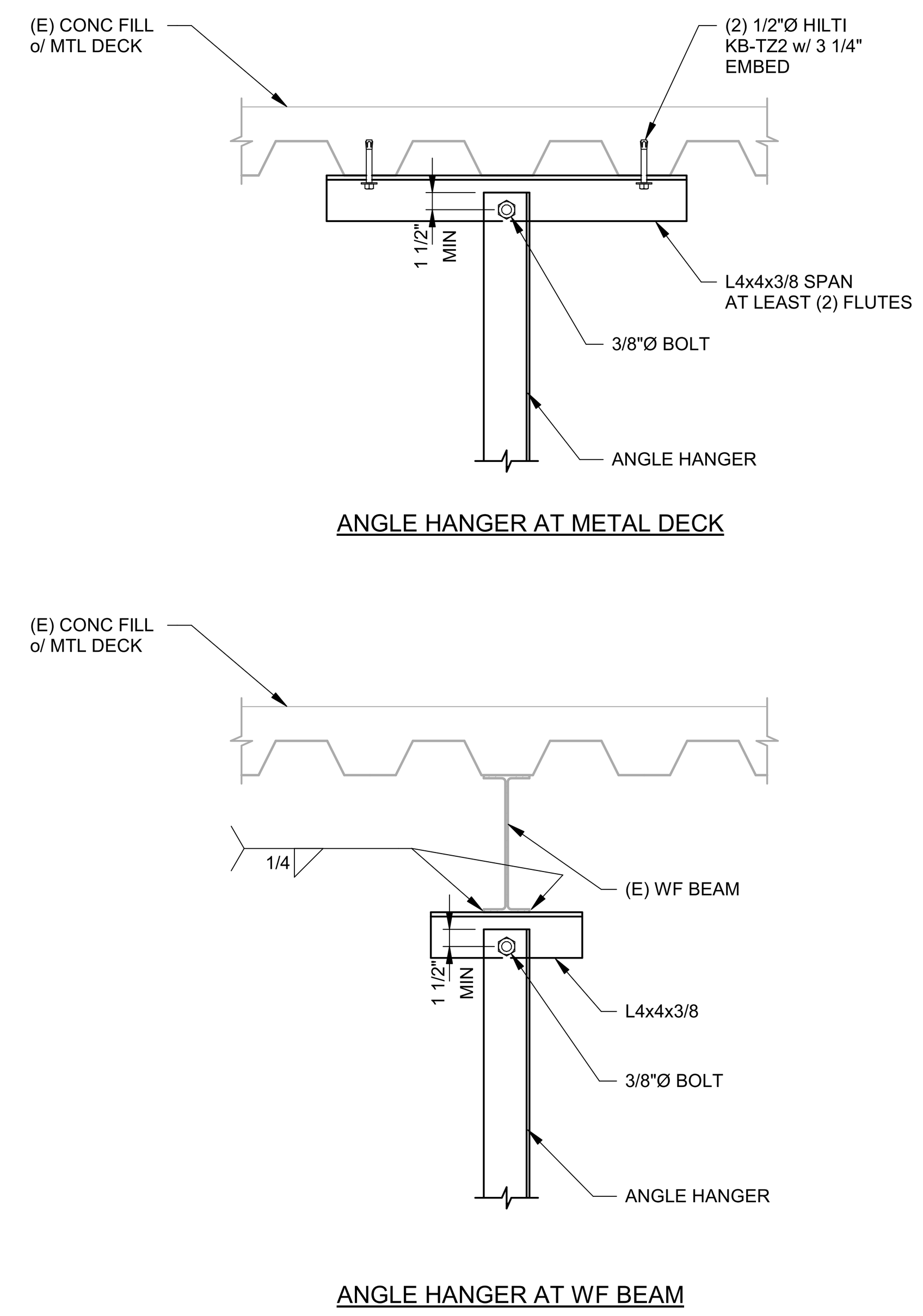
Author 9/4/2024 1:17:33 PM c:\revit\2022-0122_Natividad Med Surg_R22_Central_rkashani8LYNC.rvt



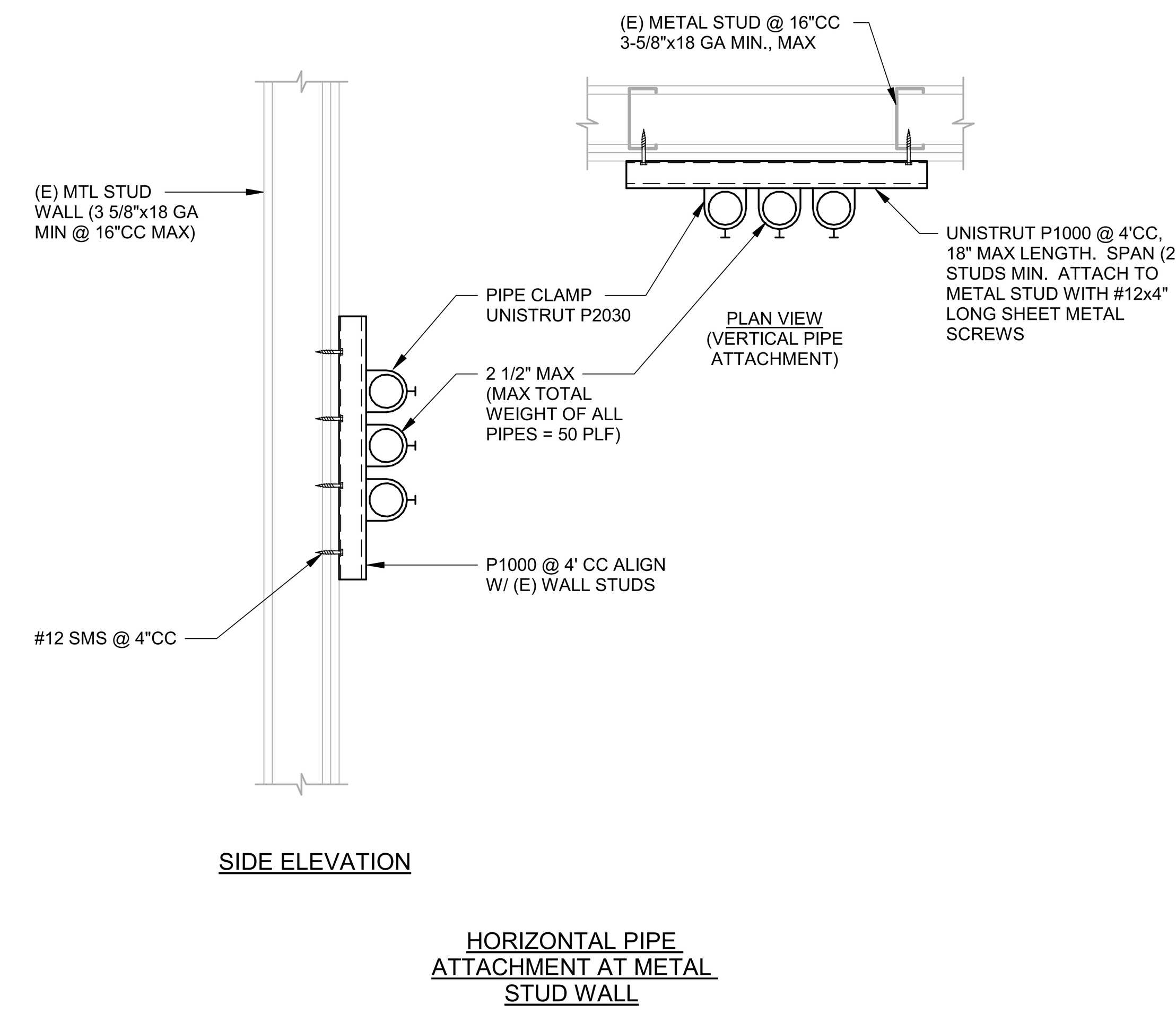
DETAIL 1 / S2.03 — **WIRE BRACE ATTACHMENT** — 1" = 1'-0"



DETAIL 2 / S2.03 — **HANGER AT DUCT** — 1" = 1'-0"



DETAIL 3 / S2.03 — 1" = 1'-0"



DETAIL 4 / S2.03 — 1 1/2" = 1'-0"

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BC1	BACKCHECK 1	12/13/2024

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

DETAILS

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

BC1 S2.03

CONSTRUCTION DOCUMENT

Author 9/4/2024 1:17:34 PM c:\revit\2022-0122_Natividad Med Surg_R22_Central_rkashani@LYNC.rvt

ABBREVIATIONS

AAV	AUTOMATIC AIR VENT	ID	INSIDE DIAMETER
AC	AIR CONDITIONING	IN	INCH(ES)
ACCEPT	ACCEPTANCE	INPLV	INTEGRATED PART LOAD VALUE
ACU	AIR CONDITIONING UNIT	KW	KILOWATT
AD	ACCESS DOOR	KWH	KILOWATT HOUR
AFF	ABOVE FINISHED FLOOR	L	LENGTH
AFMS	AIR FLOW MEASURING STATION	LAT	LEAVING AIR TEMPERATURE
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY	LBS	POUNDS
AG	AIR GAP	LDB	LEAVING DRY BULB
AHJ	AUTHORITY HAVING JURISDICTION	LF	LINEAR FEET
AHU	AIR HANDLING UNIT	LP	LOW PRESSURE
AMB	AMBIENT	LPC	LOW PRESSURE CONDENSATE
A	AMPERE	LPS	LOW PRESSURE STEAM
AP	ACCESS PANEL	LWB	LEAVING WET BULB
APPROX	APPROXIMATELY	LWT	LEAVING WATER TEMPERATURE
ARCH	ARCHITECT	M	MOTOR
ARI	AMERICAN REFIRGERATION INSTITUTE	MA	MIXED AIR
AS	AIR SEPARATOR	MAD	MIXED AIR DAMPER
AUTO	AUTOMATIC	MAX	MAXIMUM
AUX	AUXILIARY	MBH	THOUSAND BTU PER HOUR
B	BOILER	MC	MECHANICAL CONTRACTOR
BAS	BUILDING MANAGEMENT SYSTEM	MCA	MINIMUM CIRCUIT AMPACITY
BDD	BACKDRAFT DAMPER	MCC	MOTORIZED CONTROL CENTER
BHP	BRAKE HORSEPOWER	MD	MOTORIZED DAMPER
BOD	BOTTOM OF DUCT	MECH	MECHANICAL
BOP	BOTTOM OF PIPE	MERV	MINIMUM EFFICIENCY RATING VALUE
BFP	BACKFLOW PREVENTER	MFR	MANUFACTURER
BSMT	BASEMENT	MIN	MINIMUM
BTU	BRITISH THERMAL UNIT	MOCP	MINIMUM OVER CURRENT PROTECTION
BTUH	BTU PER HOUR	MV	MANUAL AIR VENT
BV	BALL VALVE OR BALANCING VALVE	(N)	NEW
BYV	BUTTERFLY VALVE	N/A	NOT APPLICABLE
C	COMMON, CONDENSATE OR CONDUIT	NC	NORMALLY CLOSED
CA	CONTROL AIR	NIC	NOT IN CONTRACT
CAP	CAPACITY	NO	NORMALLY OPEN OR NUMBER
CAV	CONSTANT AIR VOLUME	NOM	NOMINAL
CB	CHILLED BEAM	NPSH	NET POSITIVE SUCTION HEAD
CC	COOLING COIL OR CONTROLS CONTRACTOR	NTS	NOT TO SCALE
CEG	CEILING EXHAUST GRILLE	OA	OUTSIDE AIR
CER	CEILING EXHAUST REGISTER	OAD	OUTSIDE AIR DAMPER
CFF	CAP FOR FUTURE	OAT	OUTSIDE AIR TEMPERATURE
CFM	CUBIC FEET PER MINUTE	OBD	OPPOSED BLADE DAMPER
CFS	CUBIC FEET PER SECOND	OC	ON CENTER
CHWP	CHILLED WATER PUMP	OD	OUTSIDE DAMPER
CHWR	CHILLED WATER RETURN	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
CHWS	CHILLED WATER SUPPLY	OFOI	OWNER FURNISHED OWNER INSTALLED
CH	CHILLER	OPER	OPERATING
CHV	CHECK VALVE	OV	OUTLET VELOCITY
CL	CENTERLINE	P	PUMP OR PRESSURE OR POLE
CLG	CEILING	PC	PUMPED CONDENSATE
CO	CLEANOUT	PD	PRESSURE DROP
CONN	CONNECTION	PF	PREFILTER
CONT	CONTINUATION	PG	PIPE GUIDE OR PRESSURE GAUGE
CONTR	CONTRACTOR	PH	PHASE (ELECTRICAL)
COP	COEFFICIENT OF PERFORMANCE	PHC	PREHEAT COIL
CP	CONTROL PANEL OR CONDENSATE PUMP	POC	POINT OF CONNECTION
CR	CONDENSATE RETURN	POD	POINT OF DISCONNECTION
CRG	CEILING RETURN GRILLE	PRESS	PRESSURE
CRR	CEILING RETURN REGISTER	PRV	PRESSURE REDUCING VALVE
CSD	CEILING SUPPLY DIFFUSER	PS	PRESSURE SENSOR
CTE	CONNECT TO EXISTING	PSI	POUNDS PER SQUARE INCH
CUFT	CUBIC FEET	PSIA	PSI ABSOLUTE
CUIN	CUBIC INCHES	PSIG	PSI GAUGE
CV	CONSTANT VOLUME OR CONTROL VALVE	QTY	QUANTITY
CW	COLD WATER	R	RELOCATE, RISE, RISER
CWP	CONDENSER WATER PUMP	RA	RETURN AIR
CWR	CONDENSER WATER RETURN	RAD	RETURN AIR DAMPER
CWS	CONDENSER WATER SUPPLY	RD	REFRIGERANT DISCHARGE
DBT	DRY BULB TEMPERATURE	REF	ROOFTOP EXHAUST FAN
DDC	DIRECT DIGITAL CONTROL	REFRIG	REFRIGERATION
DIA	DIAMETER	REV	REVISE, REVISION OR REVOLUTIONS
DIFF	DIFFERENCE	RF	RETURN FAN
DN	DOWN	RH	RELATIVE HUMIDITY
DP	DIFFERENTIAL PRESSURE	RHC	REHEAT COIL
DPT	DEW POINT TEMPERATURE	RHT	RADIANT HEATER
DSD	DUCT SMOKE DETECTOR	RPM	REVOLUTIONS PER MINUTE
DWG(S)	DRAWINGS(S)	RS	REFRIGERANT SUCTION
DX	DIRECT EXPANSION	RTU	ROOFTOP UNIT
(E)	EXISTING	S	SUPPLY OR SLOPE
EA	EXHAUST AIR OR EACH	SA	SUPPLY AIR
EAD	EXHAUST AIR DAMPER	SCFM	CFM, STANDARD CONDITIONS
EAT	ENTERING AIR TEMPERATURE	SD	SMOKE DAMPER
EC	ELECTRICAL CONTRACTOR	SEER	SEASONAL ENERGY EFFICIENCY RATING
ECON	ECONOMIZER	SEN	SENSIBLE
EDB	ENTERING DRY BULB TEMPERATURE	SF	SUPPLY FAN OR SQUARE FEET
EWT	ENTERING WATER TEMPERATURE	SIU	SPLIT INDOOR UNIT
EER	ENERGY EFFICIENCY RATING	SOU	SPLIT OUTDOOR UNIT
EF	EXHAUST FAN	SP	STATIC PRESSURE
EFF	EFFICIENCY	SPD	SPLITTER DAMPER
ELEC	ELECTRICAL	SPEC	SPECIFICATIONS
EQUIP	EQUIPMENT	SQ IN	SQUARE INCH
(ER)	EXISTING RELOCATED	ST	STRAINER OR SOUND TRAP
ESP	EXTERNAL STATIC PRESSURE	STD	STANDARD
ET	EXPANSION TANK		
EWB	ENTERING WET BULB TEMPERATURE	T	THERMOSTAT (NOT TEMPERATURE SENSOR)
EXH	EXHAUST	T	THERMOMETER
EXT	EXTERNAL	TCP	TEMPERATURE CONTROL PANEL
F	FAHRENHEIT	TDH	TOTAL DYNAMIC HEAD
FPB	FAN POWERED BOX	TEMP	TEMPERATURE
FC	FLEXIBLE CONNECTION OR FAIL CLOSED	TFA/TFB	TO FLOOR ABOVE/BELOW
FCU	FAN COIL UNIT	TI	TENANT IMPROVEMENT
FD	FIRE DAMPER	TRG	TRANSFER GRILLE
FF	FINAL FILTER OR FINISHED FLOOR	TS	TEMPERATURE SENSOR
FFA/FFB	FROM FLOOR ABOVE/BELOW	TSP	TOTAL STATIC PRESSURE
FO	FAIL OPEN	TT	TEST TAP OR TEST TEE
FPI	FINS PER INCH	TXV	THERMAL EXPANSION VALVE
FPM	FEET PER MINUTE	(TYP)	TYPICAL
FPS	FEET PER SECOND	U	HEAT TRANSFER COEFFICIENT
FSD	FIRE/SMOKE DAMPER	UG	UNDERGROUND
FT	FOOT OR FEET	UH	UNIT HEATER
GA	GAUGE	UON	UNLESS OTHERWISE NOTED
GAL	GALLONS	V	VENT OR VOLUME OR VELOCITY
GALV	GLAVANIZED	VAV	VARIABLE AIR VOLUME
GC	GENERAL CONTRACTOR	VB	VACUUM BREAKER
GLV	GLOBE VALVE	VD	VOLUME DAMPER
GPM	GALLONS PER MINUTE	VEL	VELOCITY
GND	GROUND	VERT	VERTICAL
GV	GATE VALVE	VFD	VARIABLE FREQUENCY DRIVE
H	HEIGHT	VOL	VOLUME
HB	HOSE BIBB	W	WASTE OR WIDTH OR WATTS
HC	HEATING COIL	W/	WITH
HD	HEAD	W/O	WITHOUT
HOR	HORIZONTAL	WB	WET BULB TEMPERATURE
HP	HIGH PRESSURE	WC	WATER COLUMN
HP	HORSEPOWER	WEG	WALL EXHAUST GRILLE
HP	HEAT PUMP	WG	WATER GAUGE
HPC	HIGH PRESSURE CONDENSATE	WP	WORKING PRESSURE
HPS	HIGH PRESSURE STEAM	WPD	WATER PRESSURE DROP
HR	HOUR(S)	WRR	WALL RETURN REGISTER
HRU	HEAT RECOVERY UNIT	WSHP	WATER-SOURCE HEAT PUMP
HS	HUMIDITY SENSOR	WSR	WALL SUPPLY REGISTER
HV	HOSE VALVE	WT	WEIGHT
HVAC	HEATING, VENTILATING AND AIR CONDITIONING	Z	ZONE
HW	HEATING WATER	ZD	ZONE DAMPER
HWP	HEATING WATER PUMP		
HWR	HEATING WATER RETURN		
HWS	HEATING WATER SUPPLY		
HX	HEAT EXCHANGER		
HZ	FREQUENCY (HERTZ)		

HVAC LEGEND

NOTE: NOT ALL SYMBOLS OR ABBREVIATIONS ARE APPLICABLE TO THIS PROJECT. REFER TO DETAILS AND NOTES FOR MOUNTING HEIGHTS.

GENERAL

SYMBOL	DESCRIPTION
	NEW WORK
(E)	EXISTING WORK TO REMAIN
(D)	EXISTING WORK TO BE REMOVED
(F)	FUTURE WORK
(ER)	EXISTING RELOCATED
℄	CENTER LINE
	POINT OF CONNECTION OR POINT OF DISCONNECTION
1 M-1	DETAIL 1, DRAWING M-1
A M-1	SECTION A, DRAWING M-1
1 M-1	ELEVATION 1, DRAWING M-1
EXH 1	RISER IDENTIFICATION EXHAUST #1
HP 1	EQUIPMENT IDENTIFICATION HEAT PUMP UNIT #1
1	KITCHEN EQUIPMENT TAG
#	KEYED NOTE
150	DIRECTION OF TRANSFER AIRFLOW (150 CFM)
78°F	78 DEGREES FAHRENHEIT

PIPING

SYMBOL	DESCRIPTION
	DIRECTION OF SLOPE
	DIRECTION OF FLOW
	PIPE UP (OR UP & DOWN WITH NOTATION)
	PIPE DOWN
	PIPE DROP/PIPE RISE
	TOP CONNECTION - BRANCH LINE
	BOTTOM CONNECTION - BRANCH LINE
	PIPE ANCHOR
	TEE UP
	TEE DOWN
	STRAINER
	STRAINER WITH BLOW OFF
	INLINE PUMP
	BASE MOUNTED PUMP
	TEST TAP (PETE'S PLUG)
	MANUAL AIR VENT
	AUTOMATIC AIR VENT
	VACUUM BREAKER
	VENT THRU ROOF
	PIPE GUIDE
	EXPANSION JOINT
	FLEXIBLE CONNECTOR
	UNION
	CAPPED OR PLUGGED TEE
	BLIND FLANGE, CAP
	CONCENTRIC REDUCER
	EXPANSION LOOP
	VALVE ON RISE
6"	PIPE SIZE (DIAMETER IN INCHES)

STEAM

SYMBOL	DESCRIPTION
HPS	HIGH PRESSURE STEAM
LPS	LOW PRESSURE STEAM
HPC	HIGH PRESSURE CONDENSATE
LPC	LOW PRESSURE CONDENSATE
C PC	GRAVITY OR PUMPED CONDENSATE
CR	CONDENSATE RETURN
SV	STEAM VENT PIPE
	STEAM TRAP
BBD	BOILER BLOW DOWN
FOB	ECCENTRIC REDUCER (STEAM PIPE FLAT ON BOTTOM (FOB))

VALVES & GAUGES

SYMBOL	DESCRIPTION
	BALL VALVE
	SOLENOID CONTROL VALVE
	PRESSURE AND TEMP. RELIEF VALVE
	BUTTERFLY VALVE
TS	MOTORIZED BUTTERFLY VALVE
	GATE VALVE
	BALANCING VALVE
	ANGLE GATE VALVE
	GLOBE VALVE
	ANGLE GLOBE VALVE
	CHECK VALVE
	2-WAY CONTROL VALVE
	3-WAY CONTROL VALVE
	NON-SLAM WAFER CHECK VALVE
	PRESSURE REDUCING VALVE (PRV)
	DIAPHRAGM VALVE
	LOCK SHIELD VALVE
	NEEDLE VALVE
	QUICK OPENING VALVE
	VENTURI FLOW METER
	PRESSURE GAUGE
	PRESS. GAUGE WITH COCK AND SNUBBER
	THERMOMETER

HYDRONIC

SYMBOL	DESCRIPTION
CHWS	CHILLED WATER SUPPLY
CHWR	CHILLED WATER RETURN
HWS	HEATING WATER SUPPLY
HWR	HEATING WATER RETURN
CWS	CONDENSER WATER SUPPLY
CWR	CONDENSER WATER RETURN

CONTROLS

SYMBOL	DESCRIPTION
TS	TEMPERATURE SENSOR
T	THERMOSTAT OR THERMOMETER
CO2	CARBON DIOXIDE SENSOR
OS	OCCUPANCY SENSOR
H	HUMIDITY SENSOR OR HUMIDISTAT
SP	STATIC PRESSURE SENSOR
RS	REFRIGERANT SENSOR
CO	CARBON MONOXIDE SENSOR
H	HYDROGEN SENSOR
DSD	DUCT SMOKE DETECTOR
TS	TEMPERATURE SENSOR
SP	STATIC PRESSURE SENSOR
PS	PRESSURE SENSOR OR SWITCH
DPS	DIFFERENTIAL PRESSURE SENSOR
AFMS	AIR FLOW MEASURING STATION
HS	HUMIDITY SENSOR
FS	FLOW SENSOR OR SWITCH
FM	FLOW METER
CS	CURRENT SENSOR
M	MOTOR
A	ACTUATOR
HM	HYDROGEN MONITOR
RM	REFRIGERANT MONITOR
AI	ANALOG INPUT
AO	ANALOG OUTPUT
DI	DIGITAL INPUT
DO	DIGITAL OUTPUT
BAS	BUILDING AUTOMATION SYSTEM
PI	PULSING INPUT

WALL / CEILING MOUNTED DEVICE

EQUIPMENT / SYSTEM MOUNTED DEVICE

MISCELLANEOUS

SYMBOL	DESCRIPTION
RD	REFRIGERANT DISCHARGE
RS	REFRIGERANT SUCTION
	PNEUMATIC CONTROL VALVE
A	AIR LINE
ST	SOUND TRAP
CC	COOLING COIL
HC	HEATING COIL
RHT	RADIANT HEATER
BHT	BASEBOARD HEATER
CB	CHILLED BEAM
	THRUST BLOCK

DUCTWORK

SYMBOL	DESCRIPTION
AD/AP	ACCESS DOOR / ACCESS PANEL
	FLEXIBLE CONNECTION
	FLEXIBLE DUCT RUNOUT TO DIFFUSER
12x6	RECTANGULAR DUCT SIZE (WIDTH x DEPTH IN INCHES)
18ø	ROUND DUCT SIZE (DIAMETER IN INCHES)
24x12ø	OVAL DUCT SIZE (WIDTH x DEPTH IN INCHES)
	DUCT THROUGH BEAM PENETRATION
R D	DUCT OFFSET (RISE OR DROP)
VD RVD	VOLUME DAMPER OR REMOTE VOLUME DAMPER
FD SD FSD	FIRE, SMOKE OR FIRE/SMOKE DAMPER
	SUPPLY DUCT UP
	SUPPLY DUCT DOWN
	EXHAUST DUCT UP
	EXHAUST DUCT DOWN
	RETURN DUCT UP
	RETURN DUCT DOWN
	CROSS SECTION OF SUPPLY DUCT
	CROSS SECTION OF EXHAUST AIR DUCT
	CROSS SECTION OF RETURN AIR DUCT
	CROSS SECTION OF ROUND DUCT
	DUCT ELBOW WITH TURNING VANES
	SMOOTH RADIUS DUCT ELBOW WITHOUT TURNING VANES
	CONICAL BRANCH FITTING
	45 DEGREE BOOT LO-LOSS BRANCH FITTING
	WYE BRANCH FITTING
12x6 M	ACOUSTICAL LINING DUCT (DIMENSION IS INSIDE DIMENSION)
	MOTORIZED DAMPER INSIDE DUCT
TAG NECK SIZE-CFM	TRANSFER DUCT (WITH LINER)
8' - 11" BOD	INDICATES 8'11" TO BOTTOM OF DUCT
TAG NECK SIZE-CFM	RECTANGULAR OR ROUND SUPPLY DIFFUSER OR REGISTER (SEE SCHEDULE). 4-WAY THROW UNLESS INDICATED OTHERWISE. EXAMPLE: SB12X12-400 REFERS TO TAG SB WITH 12"X12" NECK AND 400 CFM
TAG NECK SIZE-CFM	RECTANGULAR OR ROUND EXHAUST GRILLE OR REGISTER (SEE SCHEDULE)
TAG NECK SIZE-CFM	RECTANGULAR OR ROUND RETURN GRILLE OR REGISTER (SEE SCHEDULE)
TAG NECK SIZE-CFM	WALL SUPPLY GRILLE OR REGISTER (SEE SCHEDULE)
TAG NECK SIZE-CFM	WALL RETURN OR EXHAUST GRILLE OR REGISTER (SEE SCHEDULE)
TAG NECK SIZE-LENGTH-CFM	LINEAR SLOT DIFFUSER (SEE SCHEDULE FOR NUMBER OF SLOTS). 2-WAY THROW UNLESS NOTED OTHERWISE. EXAMPLES: SN10-48-250 REFERS TO TAG SN WITH 10" ROUND NECK, 48" SLOT LENGTH AND 250 CFM.
	VARIABLE AIR VOLUME TERMINAL UNIT
	VARIABLE AIR VOLUME TERMINAL UNIT W/ REHEAT
	FAN POWERED TERMINAL UNIT
	FAN POWERED TERMINAL UNIT W/ REHEAT

HVAC DRAWING LIST

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Natividad MEDICAL CENTER

NATIVIDAD MEDICAL CENTER

MEDICAL SURGERY DEPARTMENT LEVEL 3

1441 CONSTITUTION BOULEVARD
SALINAS, CA 93906

HCAI RECORD NUMBER:
S240593-27-00
HCAI FACILITY ID: 17353

KEYPLAN

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
4/9/2025, 1:09:36 PM
S240593-27-00
Russell Rocker

HCAI APPROVAL

LICENSED PROFESSIONAL ENGINEER
M 41585
EXP. 9/30/2025
MECHANICAL
STATE OF CALIFORNIA
5/22/2024

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

MECHANICAL LEGEND AND ABBREVIATIONS

DATE: APRIL, 16, 2024

CONSTRUCTION DOCUMENTS

M000

CONSTRUCTION DOCUMENTS

Author 4/17/2024 10:41:48 AM Autodesk Docs://Individual Mod Surg 3 Unit - 3707-016-00/MOD Mod Surg MEP_V22.rvt

MECHANICAL -SPECIFICATIONS

230000 - HVAC SHEET SPECIFICATIONS
PART 1 - GENERAL

1.1 GENERAL REQUIREMENTS

A. DEFINITIONS- "CONTRACTOR" MEANS "MECHANICAL CONTRACTOR" WHEN REFERENCED ANYWHERE IN THE MECHANICAL CONSTRUCTION DOCUMENTS UNLESS WORK AND EQUIPMENT HAS BEEN COORDINATED BETWEEN MECHANICAL AND GENERAL CONTRACTORS TO BE PROVIDED BY OTHERS. "NEEDED," "PROVIDE," AND "INSTALL" MEANS ALL ITEMS CALLED OUT IN THE CONTRACT DOCUMENTS AND ANY ADDITIONAL ITEMS NOT CALLED OUT BUT REQUIRED TO MAKE A COMPLETE AND OPERATIONAL SYSTEM.

B. PLANS ARE DIAGRAMMATIC. DO NOT SCALE FOR MATERIAL QUANTITIES. ALL SCALING SHOULD BE REFERENCED TO ARCHITECTURAL PLANS ONLY. FURNISH AND INSTALL ALL COMPONENTS NEEDED WHETHER INDICATED OR NOT TO PROVIDE A COMPLETE AND OPERATING SYSTEM.

C. CONTRACTOR SHALL VISIT SITE AND VERIFY ALL CONNECTIONS TO EXISTING WORK PRIOR TO BIDDING.

D. SCOPE - THE INTENT OF THE SPECIFICATIONS AND THE DRAWINGS IS TO PROVIDE A COMPLETE AND FULLY OPERATIONAL MECHANICAL SYSTEM. THE MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL LABOR, MATERIAL AND EQUIPMENT NECESSARY TO COMPLETE THE MECHANICAL WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER FITTING OF MATERIAL INTO THE BUILDING AS INDICATED ON DRAWINGS, WITHOUT INTERFERENCE WITH OTHER WORK, AND SHALL MAKE REASONABLE MODIFICATIONS IN THE LAYOUTS NEEDED TO PREVENT CONFLICT WITH OTHER TRADES, TO PROVIDE ACCESS AND FOR THE PROPER EXECUTION OF THE WORK.

E. MANUFACTURER'S INSTRUCTIONS - COMPLY WITH MANUFACTURER'S INSTRUCTIONS FOR INSTALLING AND PROGRAMMING COMPONENTS, DEVICES, ACCESSORIES, AND EQUIPMENT. IF THE CONTRACTOR MUST DEVIATE FROM THE MANUFACTURER'S CLEARANCE RECOMMENDATIONS, PROVIDE A LETTER FROM THE MANUFACTURER INDICATING THE CLEARANCE TO BE PROVIDED IS ACCEPTABLE FOR SCHEDULED PERFORMANCE AND MAINTENANCE.

F. PERMITS AND FEES - THE MECHANICAL CONTRACTOR SHALL PROCURE AND PAY FOR ALL PERMITS, FEES AND INSPECTIONS NECESSARY TO COMPLETE THE MECHANICAL SCOPE OF WORK.

G. WARRANTY - THE MECHANICAL CONTRACTOR SHALL UNCONDITIONALLY WARRANT ALL WORK TO BE FREE OF DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE BY OWNER'S REPRESENTATIVE AND WILL REPAIR OR REPLACE ANY DEFECTIVE WORK PROMPTLY AND WITHOUT CHARGE AND RESTORE ANY OTHER EXISTING WORK DAMAGED IN THE COURSE OF REPAIRING DEFECTIVE MATERIALS AND WORKMANSHIP.

H. CODES - ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL APPLICABLE LOCAL CODES AND ORDINANCES, IN CASE OF CONFLICT BETWEEN THE DRAWINGS AND THE SPECIFICATIONS AND THE CODES AND ORDINANCES, THE HIGHEST STANDARD SHALL APPLY. THE MECHANICAL CONTRACTOR SHALL SATISFY CODE REQUIREMENTS AS A MINIMUM STANDARD WITHOUT EXTRA COST.

I. STANDARDS - EQUIPMENT AND MATERIALS SHALL CONFORM WITH APPROPRIATE PROVISIONS OF CSA, ULC, ARL, ASME, ASTM, UL, NEMA, ANSI SMACNA, ASHRAE, AND NFPA, AS APPLICABLE TO EACH INDIVIDUAL UNIT OR ASSEMBLY.

J. SUBSTITUTIONS - ALL PROPOSED SUBSTITUTIONS SHALL BE SUBMITTED PRIOR TO BIDDING AND PREAPPROVED IN WRITING. ALL COORDINATION ASSOCIATED WITH SUBSTITUTED MATERIALS OR EQUIPMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

K. SUBMITTALS -THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND TECHNICAL DATA FOR ALL EQUIPMENT AND MATERIALS SCHEDULED AND SPECIFIED INCLUDING AIR DISTRIBUTION AND PIPING SYSTEMS.

L. OPERATING AND MAINTENANCE INSTRUCTIONS - AT THE CONCLUSION OF THE PROJECT, THE CONTRACTOR SHALL PROVIDE OPERATING AND MAINTENANCE INSTRUCTIONS FOR EACH PIECE OF EQUIPMENT REQUIRING PERIODIC SERVICE.

1.2 COORDINATION WITH EXISTING CONDITIONS AND OTHER TRADES

A. THIS PROJECT INVOLVES CONSTRUCTION INSIDE AN EXISTING STRUCTURE. CONTRACTORS, BY SUBMITTING A BID ARE DEEMED TO BE COMPLETELY FAMILIAR WITH THE EXISTING CONDITIONS OF THE BUILDING AS IT INFLUENCES THE WORK DESCRIBED. NO CLAIMS FOR EXTRA COMPENSATION WILL BE CONSIDERED FOR EXISTING CONDITIONS VISIBLE OR REASONABLY INFERABLE FROM A CAREFUL EXAMINATION OF THE EXISTING BUILDING CONDITIONS.

B. CONTRACTOR SHALL INSPECT THE EXISTING FIELD CONDITIONS AT THE SITE AND THE "AS BUILT" CONTRACT DOCUMENTS PRIOR TO THE START OF ANY WORK TO DETERMINE WHAT AFFECT THE EXISTING CONDITIONS WILL HAVE ON THE WORK POTENTIAL. PROBLEM AREAS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE IMMEDIATELY.

C. CONTRACTOR SHALL CONNECT THEIR WORK TO THE EXISTING PIPING, DUCTWORK, AND CONTROL SYSTEMS. NEW WORK SHALL BE COMPATIBLE WITH THE EXISTING SYSTEM MATERIALS, AND CONSTRUCTION METHODS. COORDINATE ALL WORK WITH OTHER TRADES AND INSTALL ALL WORK IN COORDINATION WITH ARCHITECTURAL AND STRUCTURAL MEMBERS. EXCEPT FOR NECESSARY CONNECTIONS TO ASSOCIATED EQUIPMENT, NO PIPING OR DUCTWORK IS TO BE IN CONTACT WITH EQUIPMENT.

D. COORDINATE ALL CUTTING AND PATCHING WITH GENERAL CONTRACTOR AND OTHER DISCIPLINES. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING RELATED TO HIS WORK.

E. OBTAIN WRITTEN PERMISSION OF STRUCTURAL ENGINEER BEFORE PROCEEDING WITH ANY CUTTING OR PATCHING OF STRUCTURAL SYSTEMS. DO NOT CUT ROOF FRAMING.

F. CARE SHALL BE TAKEN DURING INSTALLATION OF THE WORK TO NOT DAMAGE OR INTERRUPT THE EXISTING BUILDING SYSTEMS AND SERVICES INSTALLED. DAMAGE TO EXISTING SYSTEMS AND EQUIPMENT CAUSED BY CONTRACTOR DURING THE INSTALLATION OF THEIR WORK SHALL BE REPAIRED AND/OR REPLACED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE BUILDING OWNER.

G. NOTIFICATIONS AND COMPLIANCE WITH BUILDING STANDARDS AND RULES:
  1. OBTAIN A COPY OF BUILDING CONSTRUCTION STANDARDS AND COMPLY WITH THESE STANDARDS.
  2. SHUTDOWN OF EXISTING SYSTEMS FOR CONNECTION TO EXISTING SERVICES SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE. CONTRACTOR SHALL SUBMIT REQUESTS WHERE THEY AFFECT THE OPERATION OF THE BUILDING SYSTEMS AT LEAST ONE (1) WEEK IN ADVANCE OF ANY REQUIRED SHUTDOWN. THE ACTUAL SHUTDOWN PERIOD SHALL BE AS SHORT AS POSSIBLE AND AT A TIME AGREED TO BY THE OWNER'S REPRESENTATIVE.

H. DEMOLITION SHALL BE COORDINATED WITH OWNER'S REPRESENTATIVE, ARCHITECT AND GENERAL CONTRACTOR.

I. CONTRACTOR SHALL PROVIDE THE FOLLOWING SERVICES AS APPLICABLE, ON ALL EXISTING HVAC EQUIPMENT INDICATED TO REMAIN: FILTER CHANGES; BALANCING; LUBRICATION OF APPLICABLE MOVING COMPONENTS; CLEAN ALL COILS; CALIBRATE UNIT CONTROL COMPONENTS; VERIFY FAN ROTATION AND OPERATION; VERIFY CONTROLS OPERATION; CLEAN CONDENSATE PAN AND TRAP; AND VERIFY PITCH OF CONDENSATE DRAIN.

J. CONTRACTOR SHALL REPORT ANY EQUIPMENT DEFICIENCIES FOUND TO THE OWNER'S REPRESENTATIVE WITHIN FIVE (5) DAYS OF DISCOVERY.

1.3 MECHANICAL - GENERAL

A. ALL MATERIALS AND EQUIPMENT ARE TO BE NEW UNLESS OTHERWISE DESIGNATED IN THESE DOCUMENTS.

B. THE MECHANICAL CONTRACTOR SHALL COORDINATE HVAC WORK WITH OTHER TRADES. THE ARCHITECTURAL DRAWINGS SHALL TAKE PRECEDENCE OVER ALL OTHER DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONED DIFFUSER LOCATIONS AND MOUNTING HEIGHTS WHERE EXPOSED.

C. ALL HVAC DUCTWORK AND EQUIPMENT SHALL BE SUPPORTED FROM STRUCTURE (CONFIRM) AND NOT FROM OTHER DUCTS, PIPING, CONDUITS OR CEILING SUPPORTS.

1.4 TESTING, ADJUSTING, BALANCING

A. INDEPENDENT AIR BALANCE CONTRACTOR OR QUALIFIED MECHANICAL CONTRACTOR SHALL ACCURATELY BALANCE THE AIR (SUPPLY, RETURN, VENTILATION AIR, AND EXHAUST AIR) AND HYDRONIC SYSTEMS (HEATING WATER, CHILLED WATER, CONDENSER WATER), WHERE APPLICABLE, TO PROVIDE AIR AND WATER QUANTITIES INDICATED ON THE DRAWINGS AND IN THIS SPECIFICATION. BALANCER SHALL BE QUALIFIED FOR TAB WORK PER NEBB OR AABC STANDARDS. OPERATE AUTOMATIC CONTROLS SYSTEM AND VERIFY SET POINTS. SUBMIT BALANCE REPORT TO THE OWNER'S REPRESENTATIVE FOR REVIEW AND APPROVAL.

PART 2 - PRODUCTS AND EXECUTION

2.1 DUCTWORK AND ACCESSORIES

A. SHEETMETAL DUCTWORK - ALL DUCTWORK SHALL BE RIGID SHEETMETAL CONSTRUCTED FROM GALVANIZED SHEET STEEL IN ACCORDANCE WITH SMACNA LOW VELOCITY DUCT CONSTRUCTION STANDARDS. FIBERGLASS DUCTBOARD IS NOT ALLOWED. ALL EXPOSED DUCTWORK SHALL BE ROUND, FLAT, OVAL, SPIRAL, OR RECTANGULAR LOCK-SEAM TYPE, AS SHOWN ON HVAC PLAN. ASSEMBLE AND INSTALL DUCTWORK IN ACCORDANCE WITH RECOGNIZED INDUSTRY PRACTICE FOR ACHIEVING AIR TIGHT (5% LEAKAGE) AND NOISELESS (NO OBJECTIONABLE NOISE) SYSTEMS, CAPABLE OF PERFORMING EACH INDICATED SERVICE. FURNISH ALL REQUIRED DAMPERS, TRANSITIONS, CONNECTIONS TO AIR TERMINALS, AND OTHER ACCESSORIES NECESSARY FOR A COMPLETE OPERATING SYSTEM. NO VARIATION OF DUCT CONFIGURATION OR SIZES WILL BE PERMITTED EXCEPT BY PERMISSION FROM THE ENGINEER.
  1. ALL MEDIUM PRESSURE SUPPLY DUCTWORK UPSTREAM OF AIR TERMINAL DEVICES SHALL BE 4-INCH W.G. PRESSURE CLASS.
  2. ALL LOW PRESSURE SUPPLY DUCTWORK DISTRIBUTION SHALL BE 2-INCH W.G. PRESSURE CLASS.
  3. ALL RETURN AND EXHAUST DUCTWORK SHALL BE 2-INCH PRESSURE CLASS.
  4. DUCTWORK CROSSING OVER CORRIDORS SHALL BE NOT LESS THAN 26-GAUGE.

B. FLEXIBLE DUCTWORK - FLEXIBLE DUCTWORK SHALL ONLY BE INSTALLED AS SHOWN IN PLAN AND NOT ABOVE HARD LID CEILINGS. FLEXIBLE DUCTWORK SHALL NOT EXCEED 5' IN LENGTH WITH ONE ELBOW. FLEXIBLE DUCTWORK SHALL BE PULLED TAUT AND APPROPRIATELY FASTENED TO RIGID BRANCH DUCT AND DIFFUSER. BENDS SHALL BE MINIMIZED AND WHERE NEEDED BE A FULL, RADIUS BEND. SUPPORT BANDS SHALL BE INSTALLED SO AS TO NOT CRIMP FLEX DUCT. FLEXIBLE DUCTWORK SHALL BE UL 181 LISTED AS A CLASS 1 AIR DUCT.

C. DUCT SEALANT - SEAL LONGITUDINAL AND TRANSVERSE JOINTS WITH NON-HARDENING, NON-MITIGATING MASTIC OR LIQUID ELASTIC SEALANT, WITH VOC CONTENT NO GREATER THAN 250G/L AND OF A TYPE RECOMMENDED BY THE MANUFACTURER FOR SEALING JOINTS AND SEAMS IN SHEET METAL DUCTWORK. COVER ALL FIELD JOINTS, JOINTS AROUND SPIN-IN FITTINGS AND FASTENING SCREWS WITH MASTIC.

D. SUPPORTS - PROVIDE HOT-DIPPED GALVANIZED STEEL, FASTENERS, ANCHORS, RODS, STRAPS, TRIM AND ANGLES FOR SUPPORT OF DUCTWORK.

E. DAMPERS - FURNISH AND INSTALL OPPOSED-BLADE, MULTI-LEAF VOLUME CONTROL DAMPERS WHERE INDICATED ON DRAWINGS. PROVIDE MANUAL VOLUME DAMPERS WHERE BRANCHES ARE TAKEN FROM LARGER DUCTS AND IN ALL BRANCH DUCTS TO INDIVIDUAL DIFFUSERS, GRILLES, AND REGISTERS. PROVIDE UL LISTED FIRE DAMPERS AND/OR COMBINATION FIRE SMOKE DAMPERS WHERE NEEDED AND IN ACCORDANCE WITH NFPA AND LOCAL CODES. COORDINATE WITH GENERAL CONTRACTOR AND ELECTRICAL FOR FIRE ALARM INTERFACE AND POWER. PROVIDE CONVENIENTLY LOCATED ACCESS DOORS OF AMPLE SIZE AND QUANTITY FOR SERVICING THE DAMPERS. WHERE REQUIRED BY CODE OR AHJ, F&I MOTORIZED CAMPERS FOR OSA (NOT NECESSARILY SHOWN).

F. GRILLES, REGISTERS AND DIFFUSERS - GRILLES, REGISTERS AND DIFFUSERS SHALL BE INDICATED ON THE DRAWINGS AND SCHEDULES. PROVIDE ALL MISCELLANEOUS ITEMS NECESSARY FOR A COMPLETE AND PROPER INSTALLATION IN THE TYPE OF WALLS AND CEILINGS USED IN THIS PROJECT.

G. THERMAL INSULATION - PROVIDE EXTERNAL THERMAL INSULATION WITH AN INTEGRAL VAPOR BARRIER FACING OF SUFFICIENT THICKNESS TO MEET LOCAL ENERGY CODE REQUIREMENTS AND ASHRAE 90.1, WHICHEVER IS MORE STRINGENT. PROVIDE INSULATION ON EXHAUST AND OUTSIDE AIR DUCTS, AND ON CONCEALED PORTIONS OF SUPPLY AND RETURN AIR DUCTS. DO NOT EXTERNALLY INSULATE EXPOSED DUCTWORK AND PORTIONS OF DUCTWORK THAT ARE INTERNALLY LINED WITH CODE REQUIRED THICKNESS. THERMAL INSULATION TO COMPLY WITH AN NFPA FLAME SPREAD OF 25 OR LESS, AND SMOKE DEVELOPED TO GREATER THAN 50. INTERNALLY INSULATE EXTERIOR DUCTWORK PER CODE.

H. ACCESS PROVISIONS - PROVIDE ACCESS DOORS IN HARD WALLS AND CEILINGS FOR ALL EQUIPMENT AND DUCTWORK REQUIRING SERVICE. PROVIDE ACCESS DOORS IN DUCTWORK AS REQUIRED ACCESS.

2.2 PIPING

A. DIELECTRIC FITTINGS: PROVIDE AT CONNECTIONS BETWEEN DISSIMILAR METALS.

B. PIPING MATERIAL:
  1. HYDRONIC WATER PIPING SHALL BE SCHEDULE 40 BLACK STEEL (ASTM 53) WITH CLASS 150 MALLEABLE IRON SCREWED FITTINGS, FORGED STEEL WELDING OR MECHANICAL FITTINGS, OR TYPE L HARD DRAWN COPPER TUBING WITH WROUGHT COPPER FITTINGS. SYSTEM PIPING PRESSURE RATING SHALL BE SUITABLE FOR THE APPLICATION.
  2. EQUIPMENT AND CONDENSATE DRAINS SHALL BE TYPE M HARD DRAWN COPPER TUBING WITH WROUGHT COPPER FITTINGS.
  3. REFRIGERANT PIPING SHALL BE ACR COPPER TUBING.

C. VALVES
  1. SHALL HAVE THE NAME OF THE MANUFACTURER AND PRESSURE CAST OR STAMPED ON THE VALVE BODY. ALL VALVES SHALL BE OF A SINGLE MANUFACTURER BY APOLLO, CRANE, NIBCO, STOCKHAM, OR MILWAUKEE.
  2. SHUT-OFF VALVES 2" AND SMALLER SHALL BE FULL PORT BALL TYPE
  3. STRAINERS SHALL BE FULL SIZE OF EXTERNAL PIPE SIZE WITH STRAINERS LOCATED TO ALLOW REMOVAL OF SCREENS FOR CLEANING.
  4. PROVIDE PRESSURE-INDEPENDENT CONTROL VALVES.
  5. WHERE PRESSURE INDEPENDENT CONTROL VALVES ARE NOT REQUIRED PROVIDE BALANCING VALVES AT EACH TERMINAL DEVICE.

D. PIPE HANGERS - PROVIDE HANGERS FOR INSULATED PIPE SIZES 1/2" TO 1-1/2" OF THE ADJUSTABLE STEEL BAND TYPE. HANGERS FOR INSULATED PIPE SIZES 2" AND OVER SHALL BE ADJUSTABLE STEEL CLEVIS TYPE. SHIELDS SHALL BE USED WHERE HANGER SUPPORTS INSULATED PIPE. HANGERS SHALL BE LOCATED 12" MAXIMUM FROM ANY CHANGE IN DIRECTION. PROVIDE ADDITIONAL SUPPORTS AS REQUIRED BY LOCAL CODE REQUIREMENTS. PROVIDE HANGER SPACING AS FOLLOWS FOR STRAIGHT RUNS:

2.3 INSULATION

A. INSULATE DUCTWORK AND PIPING SYSTEMS TO MEET LOCAL ENERGY CODE REQUIREMENTS. INSULATION MATERIALS TO MEET FLAME SPREAD AND SMOKE DEVELOPMENT RATING OF 25/50 OR LESS. WHERE SYSTEMS ARE EXPOSED TO DAMAGE THE INSULATION SHALL BE PROTECTED WITH A SHEET METAL OR PLASTIC COVER. WHERE DUCTWORK IS INSTALLED EXPOSED TO THE OUTSIDE, INSULATION IS TO BE EXECUTED USING LINED DUCTWORK.

2.4 CONTROLS

A. CONTROL WIRING
  1. THE MECHANICAL CONTRACTOR SHALL PROVIDE ALL CONTROL WIRING NECESSARY FOR THE COMPLETE AND PROPER OPERATING TEMPERATURE CONTROL SYSTEM INCLUDING ALL MODES OF OPERATION AND INTERLOCKS. WHERE LOW VOLTAGE WIRING IS SUBJECT TO MECHANICAL DAMAGE (MECHANICAL ROOMS, EXTERIOR EXPOSURE) IT IS TO BE RUN IN CONDUIT.

B. CONTROL OPTIONS:
  1. WHERE WORK IS BEING EXECUTED IN AN EXISTING LARGE BUILDING WITH HVAC PROVIDED AS TERMINAL ZONES SERVED FROM THE LARGER BUILDING SYSTEMS, MAKE THE FOLLOWING PROVISIONS:
     A) PROVIDE ZONE CONTROLS COORDINATED TO MATCH EXISTING BUILDING TERMINAL UNIT CONTROLLERS AND ZONE SENSORS.
  2. WHERE WORK IS SELF-CONTAINED HVAC (PACKAGE ROOFTOP EQUIPMENT, WATER SOURCE HEAT PUMP, OR FAN COIL) PROVIDE SELF-CONTAINED CONTROLS. THERMOSTAT(S) SHALL BE MANUFACTURER PROVIDED, HONEYWELL, OR NEST PROGRAMMABLE THERMOSTAT WITH SETBACK, SETUP, AND TIMECLOCK FUNCTIONS.
  3. BUILDING AUTOMATION SYSTEM (BAS) INTERFACE: WHERE A BAS EXISTS, INTEGRATE ALL NEW ZONE AND HVAC UNIT CONTROLS FOR REMOTE MONITORING AND SETPOINT CONTROL BY THE SYSTEM INCLUDING:
     A) INSTALL AND CONNECT COMMUNICATION CABLING CONNECTING ALL OF THE NEW HVAC UNIT CONTROLLERS TO THE BAS SYSTEM, ESTABLISH ADDRESSES, AND CONFIRM COMMUNICATION.
     B) ADD NEW CONTROL EQUIPMENT AND POINTS TO THE EXISTING BAS GRAPHICS PACKAGE AND CONFIRM WORKSTATION AND WEB BROWSER ACCESS.

HGA

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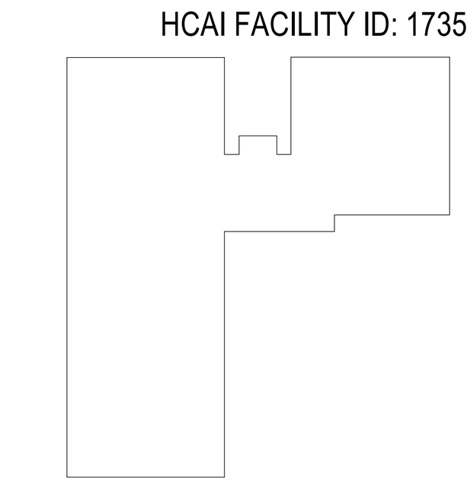

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APPROVED
Department of Health Care Access and Information
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4/9/2025, 1:09:36 PM
S240593-27-00
Russell Rocker

HCAI APPROVAL

LICENSED PROFESSIONAL ENGINEER
CHRISTOPHER LORENZ
M 41684
EXP. 9/30/2025
MECHANICAL
STATE OF CALIFORNIA
5/22/2024

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

MECHANICAL SHEET SPECIFICATIONS

DATE: APRIL, 16, 2024

CONSTRUCTION DOCUMENTS

M001

CONSTRUCTION DOCUMENTS

Author 4/17/2024 10:41:49 AM Autodesk Docs://Natividad Med Surg 3 Unit - 3707-016-00/NMC Med Surg-MEP_V22.rvt

MECHANICAL - BASIS OF DESIGN

A. THIS BUILDING IS A RENOVATION OF THE THIRD FLOOR OF NATIVIDAD MEDICAL CENTER, MED-SURG WING. THE PRIMARY SCOPE OF THE PROJECT IS RELATED TO ARCHITECTURAL FINISHES, AND THE CONVERSION OF (3) OF THE PATIENT ROOMS INTO ACCESSIBLE ROOMS BY WAY OF INCREASING THE AREAS OF THE TOILET ROOMS.

B. PRIMARY HVAC SYSTEM IS EXISTING TO REMAIN. THE EXISTING SYSTEM HAS THE FOLLOWING:
   1. AIR DISTRIBUTION: SUPPLY AIR IS CONSTANT VOLUME AND DISTRIBUTED TO EACH UNIQUE THERMAL ZONE VIA MEDIUM PRESSURE DUCTWORK. THE RETURN AIR DUCTWORK IS FULLY DUCTED.
   2. AIR HANDLING: EXISTING CENTRAL STATION CHILLED WATER AND HEATING WATER HANDLERS PROVIDE THE COOLING AND VENTILATION TO THE SPACES. SINGLE-DUCT TERMINAL UNITS WITH REHEAT CONTROL ZONE TEMPERATURE AND AIRFLOW TO EACH ZONE.

C. CODES AND STANDARDS (LATEST EDITIONS UNLESS OTHERWISE REQUIRED BY AHJ)
   1. AMERICANS WITH DISABILITIES ACT (ADA).
   2. NFPA 90A: STANDARD FOR THE INSTALLATION OF AIR-CONDITIONING AND VENTILATING SYSTEMS.
   3. NFPA 90B: STANDARD FOR THE INSTALLATION OF WARM AIR HEATING AND AIR-CONDITIONING SYSTEMS.
   4. NFPA 99: HEALTH CARE FACILITIES CODE.
   5. NFPA 101: LIFE SAFETY CODE.
   6. ASHRAE 2020 HANDBOOK, HVAC SYSTEMS AND EQUIPMENT.
   7. ASHRAE 2023 HANDBOOK, HVAC APPLICATIONS.
   8. ASHRAE 2022 HANDBOOK, REFRIGERATION.
   9. ASHRAE 2021 HANDBOOK, FUNDAMENTALS.
   10. ASHRAE 55-2017 THERMAL ENVIRONMENTAL CONDITIONS FOR HUMAN OCCUPANCY.
   11. ASHRAE 62.1-2016 VENTILATION FOR ACCEPTABLE INDOOR AIR QUALITY.
   12. ASHRAE 90.1-2016 ENERGY STANDARD FOR BUILDINGS EXCEPT LOW-RISE RESIDENTIAL BUILDINGS.
   13. **CALIFORNIA** BUILDING CODES ENFORCED BY THE AUTHORITY HAVING JURISDICTION (AHJ):
      a. 2022 CALIFORNIA BUILDING CODE (CBC), CALIFORNIA CODE OF REGULATIONS, TITLE-24, PART 2 (2021 INTERNATIONAL BUILDING CODE WITH STATE AND LOCAL AMENDMENTS).
      b. 2022 CALIFORNIA MECHANICAL CODE (CMC), CALIFORNIA CODE OF REGULATIONS, TITLE-24, PART 4 (2021 UNIFORM MECHANICAL CODE (UMC) WITH STATE AND LOCAL AMENDMENTS).
      c. 2022 CALIFORNIA PLUMBING CODE (CPC), CALIFORNIA CODE OF REGULATIONS, TITLE-24, PART 5 (2021 UNIFORM PLUMBING CODE (UPC) WITH STATE AND LOCAL AMENDMENTS).
      d. 2022 CALIFORNIA FIRE CODE (CFC), CALIFORNIA CODE OF REGULATIONS, TITLE-24, PART 9 (2021 INTERNATIONAL FIRE CODE WITH STATE AND LOCAL AMENDMENTS).
      e. 2022 CALIFORNIA ELECTRIC CODE (CEC) (2020 NATIONAL ELECTRICAL CODE WITH STATE AND LOCAL AMENDMENTS).
      f. 2022 CALIFORNIA BUILDING ENERGY EFFICIENCY STANDARD FOR RESIDENTIAL AND NONRESIDENTIAL BUILDINGS, CALIFORNIA CODE OF REGULATIONS, TITLE-24, PART 6.
      g. 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE-24, PART 11.

D. OUTDOOR DESIGN CONDITIONS:
   1. LOCATION: SALINAS, CA
   2. SUMMER: 83°F DB/65°F WB (0.5%)
   3. WINTER: 26°F (MEDIAN OF EXTREMES)
   4. ELEVATION: 85 FEET ABOVE SEA LEVEL.
   5. CLIMATE ZONE: 3

E. INDOOR DESIGN CONDITIONS: BASED ON +/-2°F CONTROL ACCURACY FROM SETPOINTS.
   1. TEMPERATURE CONTROL
      A. PER CMC TABLE 4A - REFER TO AIR BALANCE TABLE FOR TEMPERATURE REQUIREMENTS.
   2. HUMIDITY CONTROL
      a. PER CMC TABLE 4A - REFER TO AIR BALANCE TABLE FOR HUMIDITY REQUIREMENTS.

F. **CALIFORNIA** VENTILATION / EXHAUST CRITERIA:
   1. PER CMC TABLE 4A - REFER TO AIR BALANCE TABLE FOR EXHAUST AND VENTILATION REQUIREMENTS.

G. SEISMIC:
   1. ANCHORAGE AND RESTRAINTS MUST BE COORDINATED WITH STRUCTURAL ENGINEER AND AUTHORITY HAVING JURISDICTION.

AIR BALANCE SCHEDULE - THIRD FLOOR

ROOM #	ZONE	FACILITY ROOM CODE	ROOM NAME	AREA DESIGNATION PER CMC TABLE 4-A	AREA (SQ.FT.)	CLG. HT. (FT.)	DESIGN AIRFLOW VOLUME (CU.FT.)	SUPPLY (CFM)	OSA (CFM)	RETURN (CFM)	EXHAUST (CFM)	INFIL. (CFM)	EXFIL. (CFM)	PROPOSED DESIGN TOTAL ACH	PROPOSED DESIGN OSA ACH	PROPOSED DESIGN ROOM PRESS.**	PROJECT REQUIREMENTS TOTAL ACH	PROJECT REQUIREMENTS OSA ACH	PROJECT REQUIREMENTS ROOM PRESS.**	SPECIAL REQUIREMENTS EXHAUST ROOM	SPECIAL REQUIREMENTS RECIRC. UNITS ALLOWED	SPECIAL REQUIREMENTS RELATIVE HUMIDITY	SPECIAL REQUIREMENTS TEMP RANGE
300			OFFICE	OFFICE	63	9	567	75	19	75	0	0	0	7.9	2.0	-	4	2	NR	NR	NR	NR	NR
316			PRIVATE PATIENT RM	PATIENT ROOM	247	9.6	2371.2	430	79	355	0	0	75	10.9	2.0	P	4	2	NR	NR	NR	MAX 60	70-75
318			PRIVATE PATIENT RM	PATIENT ROOM	247	9.6	2371.2	430	79	355	0	0	75	10.9	2.0	P	4	2	NR	NR	NR	MAX 60	70-75
326			PRIVATE PATIENT RM	PATIENT ROOM	247	9.6	2371.2	595	79	520	0	0	75	15.1	2.0	P	4	2	NR	NR	NR	MAX 60	70-75
01A.06A.60			EQUIPMENT STORAGE	OTHER	112	9	1008	165	0	165		0	0	9.8	0.0	-	0	0	NR	NR	NR	NR	NR
01A.06A.63			BREAK ROOM	OTHER	147	9	1323	165	0	165	0	0	0	7.5	0.0	-	0	0	NR	NR	NR	NR	NR
01A.06A.69			STAFF LOUNGE	OTHER	179	9	1611	250	0	0	240	0	10	9.3	0.0	P	0	0	NR	NR	NR	NR	NR
01A.06A.74			CLEAN UTILITY	CLEAN WORKROOM OR CLEAN HOLDING (SUPPORT)	104	9	936	100	31	0	25	0	75	6.4	2.0	P	4	2	P	NR	NR	NR	NR
01A.06A.90			NURSE STATION	NURSE STATION	357	8.5	3034.5	700	51	0	0	0	700	13.8	1.0	P	2	1	NR	(aa)	(aa)	(aa)	(aa)
316A			PAT H/C TOILET/SHWR	TOILET ROOM	50	9	450	0	0	0	75	75	0	10.0	0.0	N	10	0	N	Yes	No	NR	NR
318A			PAT H/C TOILET/SHWR	TOILET ROOM	50	9	450	0	0	0	75	75	0	10.0	0.0	N	10	0	N	Yes	No	NR	NR
326A			PAT H/C TOILET/SHWR	TOILET ROOM	50	9	450	0	0	0	75	75	0	10.0	0.0	N	10	0	N	Yes	No	NR	NR
TOTALS					1853			2910	340	1635	490	225	1010										

DIFFUSER AND GRILLE SCHEDULE

TAG	MANUFACTURER	MODEL	DESCRIPTION	FACE TYPE	FACE SIZE	COLOR	MATERIAL	NOTES
EA	PRICE	PDR	SQUARE CEILING EXHAUST	PERFORATED	12X12	WHITE	ALUMINUM	ALL
RA	PRICE	PDR	SQUARE CEILING RETURN	PERFORATED	<varies>	WHITE	ALUMINUM	<varies>
SA	PRICE	PDF	SQUARE CEILING SUPPLY	PERFORATED MODULAR CORE	<varies>	WHITE	ALUMINUM	<varies>

NOTES:

1. MAXIMUM NC LEVEL SHALL BE 20.
2. ALL VISIBLE SURFACES AND DUCTWORK BEHIND FACE SHALL BE PAINTED FLAT BLACK.
3. COORDINATE WITH ARCHITECTURAL REFLECTED CEILING PLANS FOR BORDER TYPES.
4. NECK SIZE AND CFM SHOWN ARE ON PLANS (EXAMPLE: SA12x12-400 REFERS TO TAG "SA" WITH 12x12 NECK AND 400 CFM).
5. PROVIDE RECTANGULAR/SQUARE TO ROUND TRANSITION AS REQUIRED AND SIZED FOR MAXIMUM 0.01" WG TOTAL PRESSURE DROP.
6. ADJUSTABLE HORIZONTAL / VERTICAL DISCHARGE

HGA

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Natividad MEDICAL CENTER

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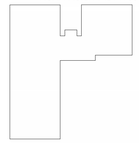
MEDICAL SURGERY DEPARTMENT LEVEL 3

1441 CONSTITUTION BOULEVARD
SALINAS, CA 93906

HCAI RECORD NUMBER:
S240593-27-00
HCAI FACILITY ID: 17353



KEYPLAN

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
4/3/2025, 1:09:36 PM
S240593-27-00
Russell Rocker

HCAI APPROVAL

12/11/2024

NO	DESCRIPTION	DATE
BC1	BACKCHECK#1	12/13/2024

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

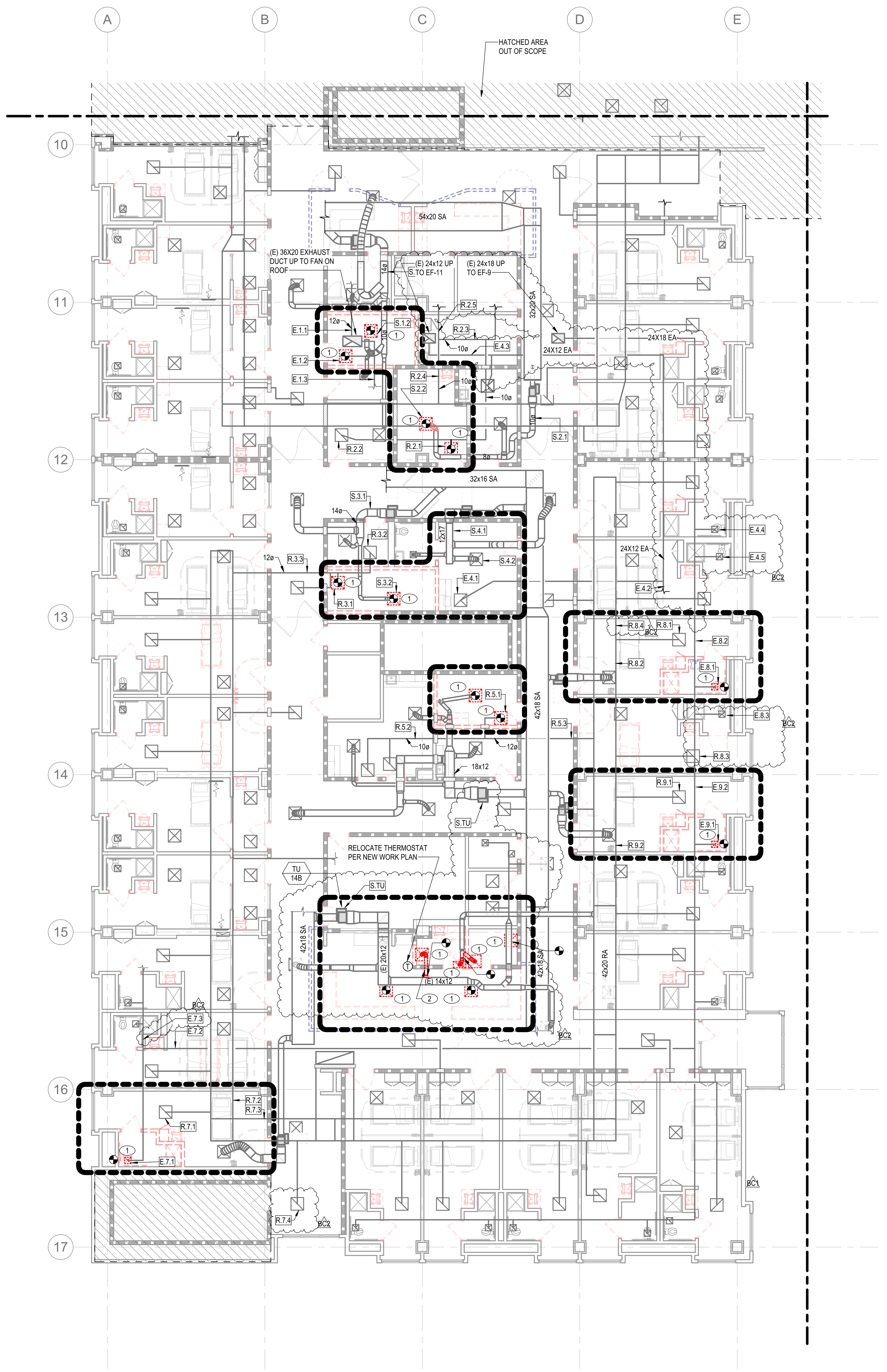
BASIS OF DESIGN AND TABULATED DATA

DATE: APRIL, 16, 2024

CONSTRUCTION DOCUMENTS

M002

CONSTRUCTION DOCUMENTS



1 LEVEL 03 - MECHANICAL DEMOLITION HVAC PLAN

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

0 8' - 0" 16' - 0" 24' - 0" 32' - 0"

SHEET NOTES

1. COMPLETE LAYOUT AND COORDINATION SHOP DRAWINGS AS REQUIRED BY SPECIFICATION SECTION 230500 PART 1 SHALL BE SUBMITTED FOR APPROVAL PRIOR TO THE START OF INSTALLATION OR DEMOLITION. DEMOLITION NOR CONSTRUCTION SHALL NOT START UNTIL COORDINATED LAYOUT SHOP DRAWINGS HAVE BEEN APPROVED.
2. COORDINATE AND SUBMIT A METHOD OF PROCEDURE PRIOR TO ANY REQUIRED SHUTDOWN OF AIRFLOW, COOLING OR HEATING TO ANY SPACE. THIS METHOD OF PROCEDURE SHALL MAINTAIN PRESSURE RELATIONSHIPS FOR ALL ROOM AS REQUIRED BY TABLE 4 A TO HAVE A POSITIVE OR NEGATIVE PRESSURE RELATIONSHIP TO MAINTAIN THAT RELATIONSHIP WHILE OCCUPIED. ROOMS NOT REQUIRING A PRESSURE RELATIONSHIP SHALL BE LIMITED TO A 4 HOUR SHUTDOWN SUBJECT TO OWNER AND ENGINEER APPROVAL.
3. ALL WORK TO BE PERFORMED SHALL BE COORDINATED WITH OWNER AND IN COMPLIANCE WITH CLINICAL STANDARDS AND PROCEDURES RELATED TO INFECTION CONTROL.
4. PRIOR TO STARTING THIS WORK PERFORM ALL REPAIRS AND RESEAL EXISTING TO REMAIN DUCTWORK (EXHAUST, RETURN AND SUPPLY) AS REQUIRED. CONFIRM THROUGH A CERTIFIED TAB CONTRACTOR THAT THE ENTIRE SYSTEM HAS LESS THAN 5% DUCT LEAKAGE.
5. ALL EXISTING PIPING, DUCTWORK, SPRINKLERS, CONDUIT, LIGHTING AND OTHER CONSTRUCTION MATERIALS SHALL BE RELOCATED AS REQUIRED FOR DEMOLITION AND INSTALLATION WORK.
6. TERMINAL UNIT INLET AND DISCHARGE DUCTS SHALL MATCH TERMINAL UNIT UNLESS OTHERWISE INDICATED.
7. BRANCH DUCTS SHALL MATCH AIR DEVICE NECK SIZE UNLESS OTHERWISE INDICATED.
8. BRANCH PIPES TO COILS SHALL MATCH CONNECTION SIZE UNLESS OTHERWISE INDICATED.
9. RETURN AIR DUCTS SHALL NOT REQUIRE INSULATION EXCEPT THOSE INSTALLED IMMEDIATELY BELOW A ROOF OR INSTALLED IN ANOTHER UNCONDITIONED SPACE UNLESS OTHERWISE INDICATED.
10. ALL NEW DUCTS AND PIPES SHALL BE SEISMICALLY BRACED PER SPECIFICATIONS.
11. NEW TERMINAL UNITS SHALL BE PROVIDED WITH NEW THERMOSTATS WITH +/-3°F USER ADJUSTABILITY UNLESS OTHERWISE INDICATED.
12. DEMOLISHED CONTROL DEVICES SHALL BE REMOVED FROM BUILDING AUTOMATION SYSTEM GRAPHICS.
13. WHERE TERMINAL UNIT SELECTIONS DO NOT MEET THE NOISE CRITERIA SPECIFIED IN THE CONSTRUCTION DOCUMENTS PROVIDE AN HCAI APPROPRIATE ACOUSTICALLY LINED DISCHARGE.
14. ANY ABANDONED ITEM SHALL BE MARKED AS ABANDONED AT LEAST ONCE PER LEG AND ON EACH SIDE OF A WALL. ALL MATERIALS SHALL BE REMOVED COMPLETELY UNLESS OTHERWISE INDICATED.
15. COORDINATE ANY REQUIRED SHUTDOWNS AND PREPARE A METHOD OF PROCEDURE FOR REVIEW AND APPROVAL AT LEAST 14 DAYS IN ADVANCE.
16. PATIENT CARE SPACES REQUIRING PRESSURE RELATIONSHIPS TO BE MAINTAINED PER CMC TABLE 4A SHALL BE UNOCCUPIED PRIOR TO ANY AIRFLOW SHUTDOWN.
17. PATIENT CARE SPACES NOT REQUIRING PRESSURE RELATIONSHIPS TO BE MAINTAINED CMC PER TABLE 4A SHALL BE LIMITED TO A MAXIMUM OF A 4 HOUR SHUTDOWN WITH OWNER APPROVAL.
18. CONTRACTOR SHALL PROVIDE BALANCE DAMPERS WHERE EXISTING TO REMAIN DAMPERS ARE NOT FUNCTIONAL OR WHERE AN EXISITNG BRANCH DUCT IS NOT PROVIDED WITH A BALANCE DAMPER.
19. WHEN DEMOLISHING ANY COMPONENT, REMOVE BACK TO MAINS AND CAP OR PREPARE FOR NEW CONNECTIONS. PROVISION FOR TEMPORARY CONNECTIONS WHERE REQUIRED BY OPERATIONS. REMOVE ALL SUPPORTS, CONDUITS AND CONTROL GRAPHICS WHERE REQUIRED FOR A COMPLETE REMOVAL ITEMS MAYBE ABANDONED IN CONCEALED SPACES ONLY WITH OWNER'S APPROVAL AND SUCH ITEMS MUST BE MARKED ABANDONED IN EACH ROOM OR SPACE THEY ARE ROUTED THROUGH OR EVERY 5 FEET.
20. ANY CORRECTIONS OF DEFICIENCIES OF EXISTING CONDITIONS SHALL NOT BECOME PART OF THE SCOPE OF THIS PROJECT WITHOUT OWNER APPROVAL, INCLUDING BUT NOT LIMITED TO:
    A. EXISTING TO REMAIN DUCTS WITHOUT FIRE OR SMOKE DAMPERS CROSSING EXISTING TO REMAIN RATED PARTITIONS.
    B. EXISTING TO REMAIN PIPING AND DUCTS SHALL NOT REQUIRE ANY NEW SEISMIC BRACING UNLESS OTHERWISE INDICATED.

KEYED NOTES (#)

1. REMOVE EXISTING DIFFUSERS AND REPLACE IN NEW CEILING GRID. REFER TO NEW WORK PLAN
2. REMOVE FIRE SMOKE DAMPER - RESERVE EXISTING CIRCUIT FOR REPLACEMENT DAMPER. REFER TO NEW WORK PLAN.

PRE-TAB NOTES

S.1.1 — PERFORM PRE-DEMOLITION AIRFLOW MEASUREMENT AT THE LOCATION INDICATED BY THE SYMBOL TO THE LEFT. PERFORM TRAVERSE WHERE DUCTS ARE INDICATED, FLOW-HOOD READING WHERE GRILLES/DIFFUSERS ARE INDICATED.

X.1.1 = IDENTIFYING NUMBER

'S' = SUPPLY
'R' = RETURN
'E' = EXHAUST

S.TU — PERFORM PRE-DEMOLITION AIRFLOW MEASUREMENT AT ALL DIFFUSERS ASSOCIATED WITH THIS TERMINAL UNIT. BC1 BC2

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4/9/2025, 1:09:36 PM
S240593-27-00
Russell Rocker

NATIVIDAD MEDICAL CENTER

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PROJECT SPECIFIC INFORMATION

Natividad MEDICAL CENTER

AREA A	AREA B
AREA C	AREA D

KEYPLAN

3/21/2025

NO	DESCRIPTION	DATE
BC1	BACKCHECK#1	12/13/2024
BC2	BACKCHECK#2	03/14/2025

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

LEVEL 3 - HVAC DEMOLITION PLAN

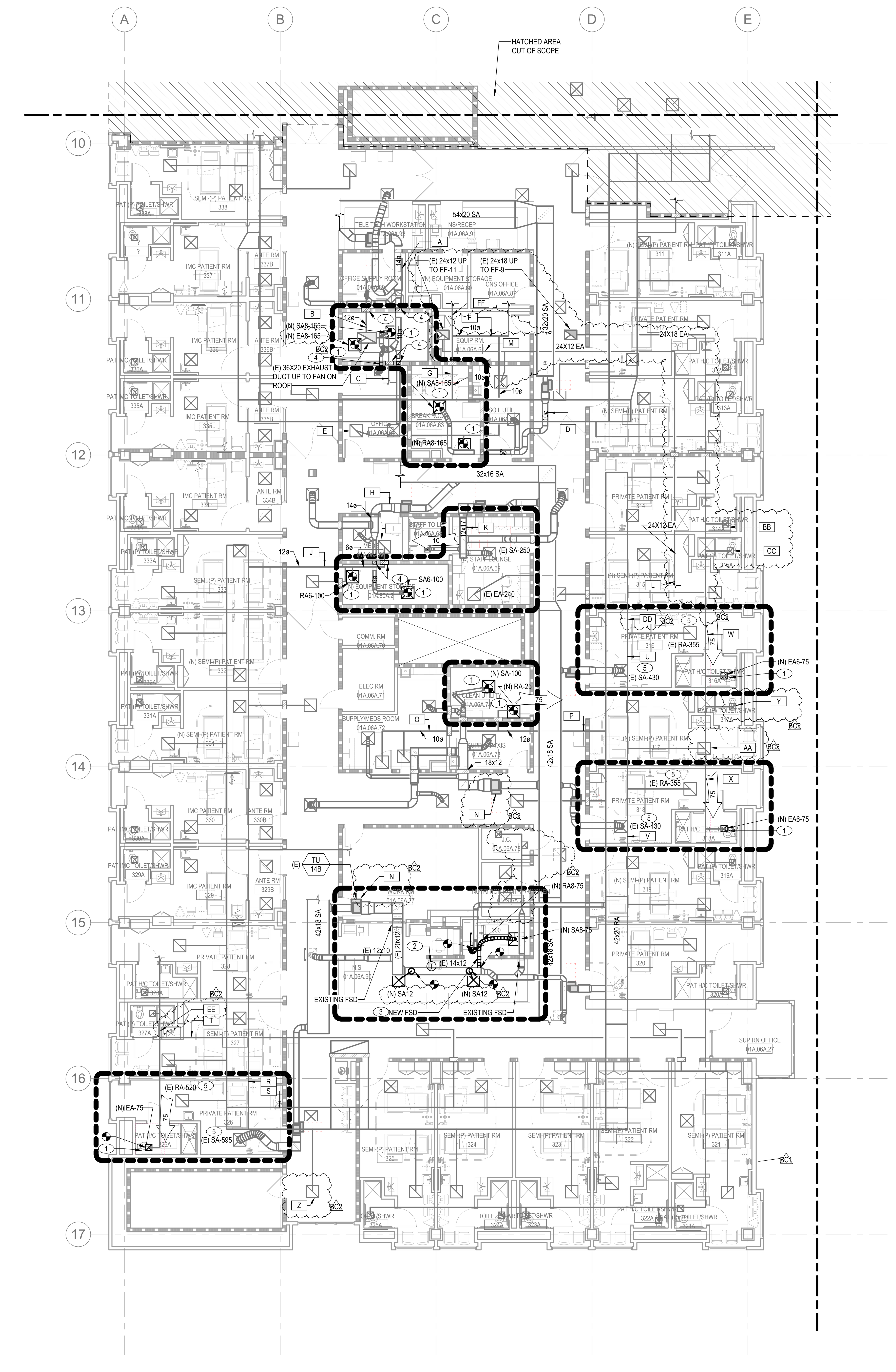
DATE: APRIL, 16, 2024

CONSTRUCTION DOCUMENTS

M101

CONSTRUCTION DOCUMENTS

Author 3/20/2025 2:15:00 PM Autodesk Docs://Natividad Med Surg 3 Unit - 3707-016-00/NMC Med Surg-MEP_V24.rvt



1 LEVEL 03 - MECHANICAL HVAC PLAN

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

0 8' - 0" 16' - 0" 24' - 0" 32' - 0"

OSHPD SEISMIC BRACING NOTE

1. ALL SUPPORTS AND SEISMIC RESTRAINTS SHALL BE THE PRODUCT OF A SINGLE MANUFACTURER. PRODUCTS OF OTHER MANUFACTURERS ARE ACCEPTABLE PROVIDED THEIR SYSTEMS COMPLY WITH THE SPECIFICATION AND HAVE THE APPROVAL OF THE ENGINEER.
2. SEISMIC RESTRAINT OF SUSPENDED PIPING AND DUCTWORK
   - A. MASON INDUSTRIES, INC OPM-0043-13 OR B-LINE/TOLCO OPM-0052-13 OR OTHER MANUFACTURERS OSHPD PREAPPROVAL OF MANUFACTURER'S CERTIFICATION, CAN BE USED FOR ANCHORAGE AND BRACING OF DUCTS, PIPES, CONDUITS, AND OTHER SUB-SYSTEMS. IF INSTALLATION VARIES IN ANY WAY FROM THAT SHOWN IN THE ANCHORAGE PRE-APPROVAL DOCUMENT, PROVIDE COMPLETE CALCULATIONS FOR THE ANCHORAGE AND BRACING OF THE COMPONENT AND SYSTEM PER NOTE 1 ABOVE. BC1
   - B. ALTERNATELY, BRACING OF ALL DUCTS, PIPES, CONDUITS, AND OTHER SUB-SYSTEMS SHALL MEET THE DESIGN CRITERIA AS DEFINED IN THE 2022 CBC, SECTION 16A (CALIFORNIA CODE AND REGULATIONS, PART 2, TITLE 24).
3. WHERE POSSIBLE, PIPES, CONDUIT, AND THEIR CONNECTIONS SHALL BE CONSTRUCTED OF DUCTILE MATERIALS (COPPER, DUCTILE IRON, STEEL OR ALUMINUM AND BRAZED OR WELDED CONNECTIONS). PIPES, CONDUITS, AND THEIR CONNECTIONS, CONSTRUCTED OF NONDUCTILE MATERIALS (E.G., CAST IRON, NO-HUB PIPE AND PLASTIC), SHALL HAVE THE BRACE SPACING REDUCED TO ONE-HALF OF THE SPACING ALLOWED FOR DUCTILE PIPE.
4. SEISMIC RESTRAINTS MAY BE OMITTED FROM THE FOLLOWING INSTALLATIONS:
   - A. THE COMPONENT IS POSITIVELY ATTACHED TO STRUCTURAL; FLEXIBLE CONNECTIONS ARE PROVIDED BETWEEN THE PIPE OR DUCT OR CONDUIT AND COMPONENT/EQUIPMENT; AND PIPE OR DUCT OR CONDUIT WEIGHS 5 LBS/FT OR LESS.
   - B. ALL PIPING SUSPENDED BY INDIVIDUAL HANGERS TWELVE (12) INCHES OR LESS IN LENGTH FROM THE TOP OF PIPE TO THE SUPPORTING STRUCTURAL. WHERE PIPES ARE SUPPORTED ON A TRAPEZE, THE TRAPEZE SHALL BE SUPPORTED BY HANGERS HAVING A LENGTH OF 12" OR LESS FROM THE TOP OF THE TRAPEZE MEMBER TO SUPPORTING STRUCTURE. WHERE READ HANGERS ARE USED WITH A DIAMETER GREATER THAN 3/8", THEY SHALL BE EQUIPPED WITH SWIVELS EYE BOLTS OR OTHER DEVICES TO PREVENT INELASTIC BENDING OF THE ROD, OR
   - C. PIPING WITH AN Rp OF 4.5 OR GREATER IS USED AND PROVISION ARE MADE TO AVOID IMPACT WITH OTHER STRUCTURAL OR NONSTRUCTURAL COMPONENTS OR TO PROTECT THE PIPING IN THE EVENT OF SUCH IMPACT.
   - D. ALL ELECTRICAL CONDUIT LESS THAN 2.5 INCHES TRADE SIZE.
   - E. ALL RECTANGULAR AIR HANDLING DUCTS LESS THAN SIX (6) SQUARE FEET IN CROSS-SECTIONAL AREA, OR
   - F. ALL DUCTS SUSPENDED BY HANGERS 12 INCHES OR LESS IN LENGTH FROM THE TOP OF THE DUCT TO THE BOTTOM OF THE STRUCTURAL SUPPORT FOR THE HANGER, WHERE THE HANGERS ARE DETAILED TO AVOID BENDING OF THE HANGERS AND THEIR CONNECTION.
   - G. WHERE LATERAL RESTRAINTS ARE OMITTED, THE PIPING, DUCTS OR CONDUIT SHALL BE INSTALLED SUCH THAT LATERAL MOTION OF THE PIPING OR DUCT WILL NOT CAUSE IMPACT WITH OTHER SYSTEMS OF STRUCTURAL MEMBERS, OR LOSS OF VERTICAL SUPPORT. PROVIDE FLEXIBLE CONNECTION BETWEEN COMPONENT AND ASSOCIATED PIPING, DUCTWORK AND/OR CONDUIT.
   - H. PIPES, DUCTS AND CONDUIT SUPPORTED BY A TRAPEZE WHERE NONE OF THOSE ELEMENTS WOULD INDIVIDUALLY BE BRACED NEED NOT BE BRACED IF CONNECTIONS TO THE PIPE/CONDUIT/DUCTWORK OR DIRECTIONAL CHANGES DO NOT RESTRICT THE MOVEMENT OF THE TRAPEZE. IF THIS FLEXIBILITY IS NOT PROVIDED, BRACING WILL BE REQUIRED WHEN THE AGGREGATE WEIGHT OF THE PIPES AND CONDUIT EXCEED 10 POUNDS PER FOOT. THE WEIGHT SHALL BE DETERMINED ASSUMING ALL PIPES AND CONDUIT ARE FILLED WITH WATER.
5. EACH TRADE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS (THAT ARE IN COMPLIANCE WITH THE APPROVED PLANS AND PRE APPROVED SYSTEMS NOTED) FOR THE BRACING AND ANCHORAGE OF THE UTILITY ROUTING WITHIN THEIR WORK SCOPE TO THE PROFESSIONAL OF RECORD FOR REVIEW. SHOP DRAWINGS SHALL BE APPROVED BY THE PROFESSIONAL OF RECORD PRIOR TO INSTALLATION OF THE BRACING SYSTEMS.
6. ONCE THE EXACT LOCATIONS OF ALL PIPES, DUCTS AND CONDUITS HAVE BEEN ESTABLISHED, THE STRUCTURAL ENGINEER OF RECORD MUST VERIFY THE ADEQUACY OF THE SUPPORTING STRUCTURE FOR LOADS IMPOSED BY THE ANCHORAGE AND BRACING SYSTEM, TO ENSURE THAT THE ORIGINAL DESIGN IS STILL ADEQUATE. THE STRUCTURAL ENGINEER OF RECORD MUST REVIEW AND FORWARD THE ANCHORAGE AND BRACING PLANS TO OSHPD WITH A NOTATION INDICATING THAT THE PLANS HAVE BEEN REVIEWED AND ARE IN GENERAL CONFORMANCE WITH THE DESIGN OF THE PROJECT. A "SHOP DRAWING STAMP" MAY BE USED TO INDICATE COMPLIANCE WITH THIS REQUIREMENT.
   - A. SHOP DRAWINGS SHALL REFLECT THE FOLLOWING INFORMATION:
     1. LAYOUT PLAN SHOWING VERTICAL SUPPORT AND LATERAL BRACE LOCATIONS (TRANSVERSE AND LONGITUDINAL).
     2. BRACE AND STRUCTURE CONNECTION DETAILS.
     3. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL ENGINEERING AND REQUIRED DOCUMENTATION FOR ANY DEVIATIONS TO THE OSHPD APPROVED PLANS.
     4. ANY DEVIATIONS FROM THE UTILITY LINE ANCHORAGE AND/OR BRACING DETAILS INDICATED WITHIN THE APPROVED DRAWINGS & SPECIFICATIONS SHALL BE ANALYZED, DESIGNED, SIGNED AND SEALED BY A CALIFORNIA LICENSED STRUCTURAL ENGINEER AND SUBMITTED TO THE PROFESSIONAL OF RECORD AND OSHPD FOR REVIEW AND APPROVAL.
     5. ANY DEVIATIONS FROM THE UTILITY LINE ANCHORAGE AND/OR BRACING DETAILS INDICATED WITHIN THE APPROVED DRAWINGS & SPECIFICATIONS SHALL BE APPROVED BY THE PROFESSIONAL OF RECORD AND OSHPD PRIOR TO THE INSTALLATION OF ANCHORAGE AND BRACING ELEMENTS.
     6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF UTILITY LINE ANCHORAGE AND BRACING FOR ALL TRADES.
     7. LAYOUT DRAWINGS, SHOWING THE BRACING/SUPPORT LOCATIONS AND REFERENCES TO DETAILS FROM RELEVANT OSHPD PRE-APPROVALS FOR PIPING/DUCTS/CONDUITS EXCEPT FOR FIRE SPRINKLERS, NEED TO BE SUBMITTED FOR USE BY THE IOR AND OSHPD FIELD STAFF. THE LAYOUT DRAWINGS, PREPARED PER SECTION 1616A.1.18, 1616A.1.24 & ASCE 7 SECTION 13.1.4 AND 13.6.7 NEED TO BE REVIEWED AND ACCEPTED BY THE EOR (SE AND/OR ME/EE) PRIOR TO STARTING INSTALLATION OF THE BRACING/SUPPORT. THE IOR SHALL ENSURE THE ABOVE REQUIREMENTS ARE SATISFIED.

SHEET NOTES

1. COORDINATE AND SUBMIT A METHOD OF PROCEDURE PRIOR TO ANY REQUIRED SHUTDOWN OF AIRFLOW, COOLING OR HEATING TO ANY SPACE. THIS METHOD OF PROCEDURE SHALL MAINTAIN PRESSURE RELATIONSHIPS FOR ALL ROOM AS REQUIRED BY TABLE 4A TO HAVE A POSITIVE OR NEGATIVE PRESSURE RELATIONSHIP TO MAINTAIN THAT RELATIONSHIP WHILE OCCUPIED. ROOMS NOT REQUIRING A PRESSURE RELATIONSHIP SHALL BE LIMITED TO A 4 HOUR SHUTDOWN SUBJECT TO OWNER AND ENGINEER APPROVAL.
2. ALL WORK TO BE PERFORMED SHALL BE COORDINATED WITH OWNER AND IN COMPLIANCE WITH CLINICAL STANDARDS AND PROCEDURES RELATED TO INFECTION CONTROL.
3. PRIOR TO STARTING THIS WORK PERFORM ALL REPAIRS AND RESEAL EXISTING TO REMAIN DUCTWORK (EXHAUST, RETURN AND SUPPLY) AS REQUIRED. CONFIRM THROUGH A CERTIFIED TAB CONTRACTOR THAT THE ENTIRE SYSTEM HAS LESS THAN 5% DUCT LEAKAGE.
4. ALL EXISTING PIPING, DUCTWORK, SPRINKLERS, CONDUIT, LIGHTING AND OTHER CONSTRUCTION MATERIALS SHALL BE RELOCATED AS REQUIRED FOR DEMOLITION AND INSTALLATION WORK.
5. BRANCH DUCTS SHALL MATCH AIR DEVICE NECK SIZE UNLESS OTHERWISE INDICATED.
6. RETURN AIR DUCTS SHALL NOT REQUIRE INSULATION EXCEPT THOSE INSTALLED IMMEDIATELY BELOW A ROOF OR INSTALLED IN ANOTHER UNCONDITIONED SPACE UNLESS OTHERWISE INDICATED.
7. ALL NEW DUCTS AND PIPES SHALL BE SEISMICALLY BRACED PER SPECIFICATIONS.
8. ANY ABANDONED ITEM SHALL BE MARKED AS ABANDONED AT LEAST ONCE PER LEG AND ON EACH SIDE OF A WALL. ALL MATERIALS SHALL BE REMOVED COMPLETELY UNLESS OTHERWISE INDICATED.
9. COORDINATE ANY REQUIRED SHUTDOWNS AND PREPARE A METHOD OF PROCEDURE FOR REVIEW AND APPROVAL AT LEAST 14 DAYS IN ADVANCE.
10. PATIENT CARE SPACES REQUIRING PRESSURE RELATIONSHIPS TO BE MAINTAINED PER CMC TABLE 4A SHALL BE UNOCCUPIED PRIOR TO ANY AIRFLOW SHUTDOWN.
11. PATIENT CARE SPACES NOT REQUIRING PRESSURE RELATIONSHIPS TO BE MAINTAINED CMC PER TABLE 4A SHALL BE LIMITED TO A MAXIMUM OF A 4 HOUR SHUTDOWN WITH OWNER APPROVAL.
12. CONTRACTOR SHALL PROVIDE BALANCE DAMPERS WHERE EXISTING TO REMAIN DAMPERS ARE NOT FUNCTIONAL OR WHERE AN EXISITNG BRANCH DUCT IS NOT PROVIDED WITH A BALANCE DAMPER.
13. WHEN DEMOLISHING ANY COMPONENT, REMOVE BACK TO MAINS AND CAP OR PREPARE FOR NEW CONNECTIONS. PROVISION FOR TEMPORARY CONNECTIONS WHERE REQUIRED BY OPERATIONS. REMOVE ALL SUPPORTS, CONDUITS AND CONTROL GRAPHICS WHERE REQUIRED FOR A COMPLETE REMOVAL ITEMS MAYBE ABANDONED IN CONCEALED SPACES ONLY WITH OWNER'S APPROVAL AND SUCH ITEMS MUST BE MARKED ABANDONED IN EACH ROOM OR SPACE THEY ARE ROUTED THROUGH OR EVERY 5 FEET.
14. ANY CORRECTIONS OF DEFICIENCIES OF EXISTING CONDITIONS SHALL NOT BECOME PART OF THE SCOPE OF THIS PROJECT WITHOUT OWNER APPROVAL, INCLUDING BUT NOT LIMITED TO:
    - A. EXISTING TO REMAIN DUCTS WITHOUT FIRE OR SMOKE DAMPERS CROSSING EXISTING TO REMAIN RATED PARTITIONS.
    - B. EXISTING TO REMAIN PIPING AND DUCTS SHALL NOT REQUIRE ANY NEW SEISMIC BRACING UNLESS OTHERWISE INDICATED.

KEYED NOTES

1. RECONNECT NEW AIR DEVICE TO EXISTING DUCT RUNNOUT. MODIFY AS NECESSARY TO ACCOMODATE NEW CEILING GRID.
2. REPLACE EXISTING THERMOSTAT IN NEW WALL.
3. NEW COMBINATION FIRE SMOKE DAMPER AT CORRIDOR WALL PENETRATION. DERIVE POWER FROM EXISTING CIRCUIT FROM DEMOLISHED DAMPER.
4. STORAGE ROOM WALLS TO BE UPGRADED TO 1HR FIRE BARRIERS. INSTALL NEW FIRE/SMOKE DAMPERS AT EXISTING DUCT PENETRATIONS.
5. REBALANCE EXISTING DIFFUSER TO INDICATED AIRFLOW

TAB NOTES X

PERFORM CONFIRMATION AIRFLOW MEASUREMENTS AT THE AREAS INDICATED. CONTRACTOR SHALL RE-BALANCE AS REQUIRED TO ACHIEVE THE FINAL AIRFLOWS INDICATED BELOW, IN REFERENCE TO MEASUREMENTS IDENTIFIED ON DEMOLITION PLAN, PRE-TAB VALUES.

A. = S.1.1 - S.1.2 + 165CFM
B. = E.1.1
C. = E.1.3
D. = S.2.1 - S.2.2 + 165CFM
E. = R.2.2
F. = R.2.3 - R.2.1 + 165CFM
G. = R.2.4 - R.2.3 + F.
H. = S.3.1 - S.3.2 + 100CFM
I. = R.3.2
J. = R.3.3 - R.3.1 + 100CFM
K. = S.4.1 - S.4.2 + 250CFM
L. = E.4.2
M. = E.4.3 - E.4.1 + L + 240CFM
N. = VERIFY AIRFLOWS OF ALL DIFFUSERS AT THIS TERMINAL UNIT SUCH THAT EXISTING AIRFLOWS ARE MAINTAINED EXCEPT WHERE NOTED OTHERWISE. BC2
O. = R.5.2
P. = R.5.3 - R.5.1 + O.
Q. = NOT USED BC2
R. = R.7.2
S. = R.7.2 - R.7.1 + 520
T. = E.7.2 - E.7.1 + 75
U. = R.8.2 - R.8.1 + 355CFM
V. = R.9.2 - R.9.1 + 355CFM
W. = E.8.2 - E.8.1 + 75CFM
X. = E.9.2 - E.9.1 + 75CFM
BC1 Y. = E.8.3
Z. = R.7.4
AA. = R.8.3 BC2
AB. = E.4.4
AC. = E.4.5
AD. = R.8.4
AE. = E.7.4
AF. = R.2.5

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4/9/2025, 1:09:36 PM
S240593-27-00
Russell Rocker

Natividad MEDICAL CENTER

AREA A	AREA B
AREA C	AREA D

KEYPLAN

LICENSED PROFESSIONAL ENGINEER CHRISTOPHER LORENZ M 41684 EXP. 9/30/2025 MECHANICAL STATE OF CALIFORNIA

3/21/2025

NO	DESCRIPTION	DATE
BC1	BACKCHECK#1	12/13/2024
BC2	BACKCHECK#2	03/14/2025

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

LEVEL 3 - HVAC PLAN

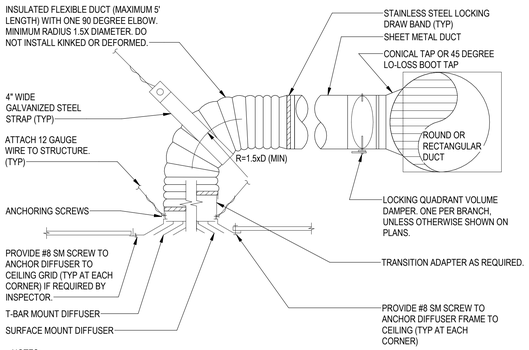
DATE: APRIL, 16, 2024

CONSTRUCTION DOCUMENTS

M203

CONSTRUCTION DOCUMENTS

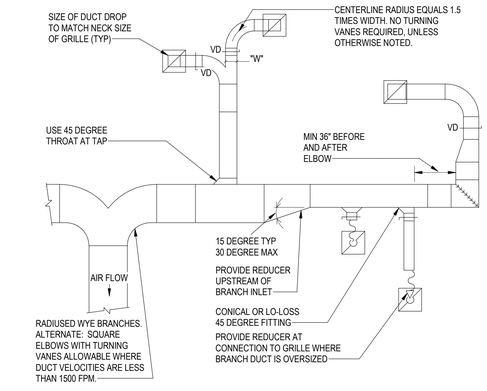
Author 3/20/2025 2:15:08 PM Autodesk Docs://Natividad Med Surg 3 Unit - 3707-016-00/NMC Med Surg-MEP_V24.rvt



NOTES:
1. ACCESS TO BALANCING DAMPER MAY BE PROVIDED THRU REMOVABLE RETURN AIR REGISTER OR HINGED LIGHT FIXTURE.
2. FOR INACCESSIBLE CEILING USE REMOTE FLEXIBLE STEEL SHAFT DAMPER OPERATOR OR PROVIDE 18"x18" (MIN) ACCESS DOOR.
3. DIFFUSER FRAME SHALL MATCH ARCHITECTURAL CEILING TYPE.
4. IF FLEXIBLE DUCT SIZE INDICATED ON PLAN IS LARGER OR SMALLER THAN DIFFUSER NECK OR IF DIFFUSER NECK IS SQUARE OR RECTANGULAR PROVIDE TRANSITION FITTING AT DIFFUSER NECK.
5. REFER TO STRUCTURAL DESIGN FOR ATTACHMENT REQUIREMENTS AND ADDITIONAL SUPPORT OPTIONS.

3 CEILING DIFFUSER MOUNTING-FLEXIBLE

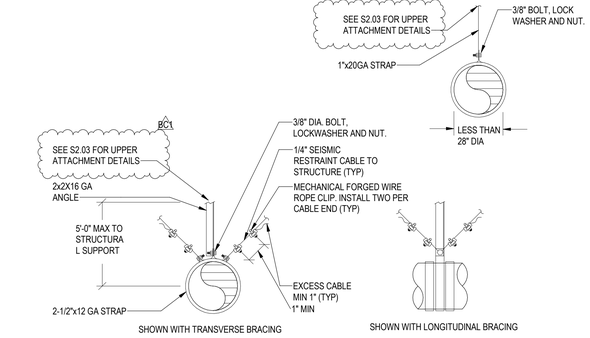
SCALE: NONE



NOTES:
1. PROVIDE DUCT LINER AND/OR EXTERNAL DUCT INSULATION AS NOTED ON PLANS OR IN SPECIFICATIONS.
2. PROVIDE HANGERS AND SEISMIC BRACING PER SMACNA AND BUILDING CODE.
3. LOCATE MANUAL BALANCING DAMPERS IMMEDIATELY DOWNSTREAM OF EACH DUCT TAP.
4. MAINTAIN MINIMUM 36" CLEARANCE BETWEEN LEADING OR TRAILING ELBOW JOINT AND DUCT TAP FITTINGS.
5. TURNING VANES REQUIRED ON RECTANGULAR DUCT SYSTEM ELBOWS. SINGLE THICKNESS VANES UP TO 25" HEIGHT AND DOUBLE THICKNESS VANES IN DUCTS GREATER THAN 25" HEIGHT. RADIUSED ELBOWS MAY BE USED AS AN ALTERNATE.
6. NO TURNING VANES REQUIRED ON DUCT SIZES LESS THAN 180 SQ. IN. IF DUCT VELOCITY IS LESS THAN 1500 FPM.

2 RETURN EXHAUST DUCT FITTINGS

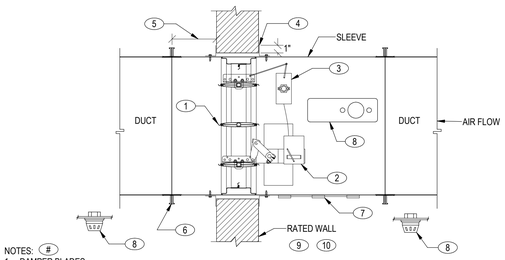
SCALE: NONE



NOTES:
1. HANGERS SHALL BE INSTALLED AT EVERY CHANGE OF DIRECTION AND NO MORE THAN 10'-0" APART.
2. PROVIDE A FLEXIBLE CONNECTION BETWEEN MECHANICAL EQUIPMENT AND DUCT.
3. STRAP MAY BE REDUCED TO 1"x22 GA FOR DUCT 24" DIA. AND LESS IN DIAMETER.
4. SEISMIC RESTRAINT CABLES MAY BE OMITTED WHERE DUCT IS SUPPORTED WITHIN 12" OF STRUCTURE AS MEASURED FROM THE TOP OF DUCT TO THE BOTTOM OF STRUCTURE.
5. VERTICAL HANGERS, DIAGONAL AND HORIZONTAL BRACES TO BE SIZED IN ACCORDANCE WITH SMACNA SEISMIC RESTRAINT MANUAL.
6. COORDINATE WITH STRUCTURAL ENGINEER FOR UPPER ATTACHMENTS.
7. WHERE SEISMIC CABLE RESTRAINTS ARE REQUIRED.
   A. PROVIDE SEISMIC CABLE TRANSVERSE BRACING AT 30 FT AND
   B. SEISMIC CABLE LONGITUDINAL BRACING AT 60 FT.
   C. SEISMIC CABLE RESTRAINTS ARE NOT REQUIRED AT EVERY HANGER LOCATION.

5 ROUND DUCT SUPPORT

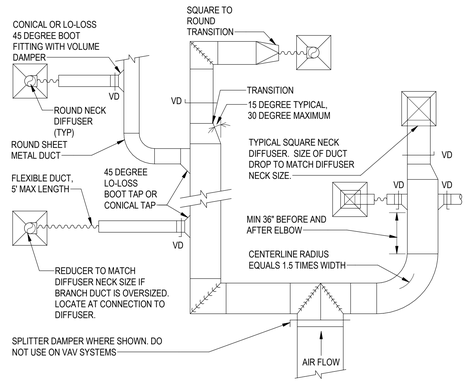
SCALE: NONE



NOTES: (#)
1. DAMPER BLADES
2. ELECTRIC ACTUATOR MOTOR INTERLOCKED WITH SMOKE DETECTOR OR FIRE ALARM SYSTEM. COORDINATE WITH ELECTRICAL DESIGN FOR POWER, CONTROL WIRING AND SEQUENCE OF OPERATION.
3. ELECTRIC RESETTABLE FUSIBLE LINK CLOSES AND LOCKS THE DAMPER WHEN TEMPERATURE EXCEEDS PRESET TEMPERATURE. DAMPER MAY BE RESET BY PRESSING RESET BUTTON. INTEGRAL DAMPER BLADE INDICATOR SWITCH FOR REMOTE MONITORING OF OPEN AND CLOSED POSITIONS.
4. STEEL RETAINING ANGLES, MINIMUM 1-1/2"x1-1/2"x0.060", FASTENED TO FIRE DAMPER SLEEVE. ANGLES SHALL BE INSTALLED ON ALL FOUR SIDES OF DAMPER AND ON EACH SIDE OF THE WALL. FASTEN ANGLE TO SLEEVE WITH #10 SHEET METAL SCREWS (MINIMUM). ANGLE GAUGE AND FASTENING METHOD AS PERMITTED AS A CONDITION OF DAMPER LISTING. REFER TO MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS. MINIMUM 1" ANGLE OVERLAP ON ALL SIDES OF PARTITION WALL.
5. DAMPER SLEEVE ON OPPOSITE SIDE OF WALL FROM ACTUATOR MUST BE MINIMUM 3" AND MAXIMUM OF 6" LONG.
6. DUCT CONNECTION AS PERMITTED PER DAMPER LISTING. FLANGED BREAK-AWAY STYLE DUCT/SLEEVE CONNECTIONS ARE SHOWN.
7. ACCESS DOOR SHOWN ON BOTTOM OF SLEEVE FOR ACCESS TO FIRE DAMPER BLADES. PANEL TO BE HINGED WITH AIRTIGHT SEAL. ACCESS SIZE MUST BE MINIMUM OF 12" BY 12" OR THE WIDTH OF DUCT IF SMALLER THAN 12" WIDE. ACCESS PANEL MUST BE LABELED WITH THE WORDS, "FIRE DOOR - DO NOT OBSTRUCT" IN LETTERS NO LESS THAN 1" IN HEIGHT. EXTERNAL INSULATION SHALL NOT CONCEAL ACCESS UNLESS A LABEL IS ATTACHED TO THE INSULATION WHICH INDICATES THE EXACT LOCATION OF THE OPENING.
8. DUCT SMOKE DETECTOR MOUNTED IN SLEEVE ON OPPOSITE SIDE FROM ACTUATOR WITHIN FIVE FEET OF DAMPER. OR, AREA SMOKE DETECTORS CONNECTED TO CENTRAL FIRE ALARM SYSTEM. SMOKE DETECTORS SHALL BE ADDRESSABLE AND UNIQUELY TAGGED.
9. LOCATE 3/4" HIGH WHITE PLASTIC LAMINATE SIGNS WITH 3/8" HIGH BLACK LETTERING WITH THE INITIALS "FSD" AND UNIQUE NUMBER ON THE CEILING ACCESS DOOR OR T-BAR CEILING GRID IN THE AREA OF THE DAMPER ACCESS PANEL. ATTACH TO CEILING WITH EPOXY ADHESIVE.
10. FIRE/SMOKE DAMPER DETAIL FOR REFERENCE ONLY. FIRE DAMPER SHALL BE STATE FIRE MARSHAL APPROVED. INSTALL PER MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS WHICH SHALL BE MADE AVAILABLE TO INSPECTION AUTHORITIES.
11. UL 555 & 555S COMPLIANT. LISTINGS: RUSKIN#R5531, GREENHECK#R13317, POTTORFF#R11767, NAILOR#R9492, CESCO#R6462 .
12. REFER TO SPECIFICATION SECTION 233113 FOR ADDITIONAL REQUIREMENTS.

4 FSD WALL AIRFOIL BLADE

SCALE: NONE



NOTES:
1. PROVIDE DUCT LINER AND/OR EXTERNAL DUCT INSULATION AS NOTED ON PLANS OR IN SPECIFICATIONS.
2. PROVIDE HANGERS AND SEISMIC BRACING PER SMACNA AND BUILDING CODE REQUIREMENTS.
3. LOCATE MANUAL BALANCING DAMPERS IMMEDIATELY DOWNSTREAM OF EACH DUCT TAP.
4. CUSHION HEADS OR BULLHEAD TEES ARE NOT ALLOWED.
5. MAINTAIN MINIMUM 36" CLEARANCE BETWEEN LEADING OR TRAILING ELBOW JOINT AND DUCT TAP FITTINGS.
6. RADIUSED ELBOWS OR TURNING VANES REQUIRED ON RECTANGULAR DUCT SYSTEM ELBOWS. SINGLE THICKNESS VANES UP TO 25" HEIGHT AND DOUBLE THICKNESS VANES IN DUCTS GREATER THAN 25" HEIGHT.

1 SUPPLY DUCT FITTINGS

SCALE: NONE

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INTERIOR DESIGNER
GALLUN SNOW
1900 GRANT STREET, SUITE 750,
DENVER, CO. 80203
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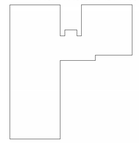
Natividad MEDICAL CENTER

NATIVIDAD MEDICAL CENTER

MEDICAL SURGERY DEPARTMENT LEVEL 3

1441 CONSTITUTION BOULEVARD
SALINAS, CA 93906

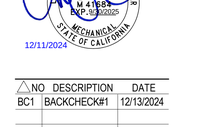
HCAI RECORD NUMBER: S240593-27-00
HCAI FACILITY ID: 17353



KEYPLAN

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
4/9/2025, 1:09:36 PM
S240593-27-00
Russell Rocker

HCAI APPROVAL



12/11/2024

NO	DESCRIPTION	DATE
BC1	BACKCHECK#1	12/13/2024

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

MECHANICAL DETAILS

DATE: APRIL, 16, 2024

CONSTRUCTION DOCUMENTS

M901

CONSTRUCTION DOCUMENTS

GENERAL NOTES

1. THESE GENERAL NOTES APPLY TO ALL SHEETS.
2. CONTRACT DOCUMENT DRAWINGS ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY. DO NOT SCALE FOR MATERIAL QUANTITIES. ALL SCALING SHOULD BE REFERENCED TO ARCHITECTURAL PLANS ONLY.
3. COORDINATE CONSTRUCTION OF ALL PLUMBING WORK WITH ALL OTHER DISCIPLINES AND AS SHOWN ON OTHER CONTRACT DOCUMENT DRAWINGS.
4. CONTRACTOR SHALL VISIT SITE AND VERIFY ALL EXISTING CONDITIONS AND CONNECTIONS TO EXISTING WORK PRIOR TO BIDDING AND CONSTRUCTION. COORDINATE WITH OWNER'S REPRESENTATIVE WHEN FIELD CONDITIONS PREVENT CORRECT INSTALLATION.
5. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED FEES, PERMITS AND INSPECTIONS. OBTAIN ALL FIELD APPROVALS ON WORK FROM REGULATING AGENCIES WHERE REQUIRED.
6. DURING ENTIRE CONSTRUCTION PERIOD MAINTAIN ADEQUATE TYPE 2A:40BC FIRE EXTINGUISHERS READY FOR USE IN CASE OF FIRE.
7. PROTECTION OF PUBLIC: THE CONTRACTOR SHALL PROTECT THE PUBLIC FROM INJURY DURING THE WORK BY POSTING WARNING SIGNS, GUARD LIGHTS AND BARRICADES.
8. COORDINATE ALL WORK WITH OTHER TRADES AND AVOID IMPACTING ARCHITECTURAL AND STRUCTURAL MEMBERS. NO WORK SUCH AS PIPE, DUCTWORK, ETC., SHALL BE IN CONTACT WITH ANY EQUIPMENT OR BUILDING MEMBERS.
9. COORDINATE ALL CUTTING AND PATCHING WITH GENERAL CONTRACTOR AND OTHER DISCIPLINES. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING RELATED TO THEIR WORK.
10. ALL ATTACHMENTS TO THE BUILDING STRUCTURE SHALL BE COORDINATED WITH THE STRUCTURAL DESIGN.
11. OBTAIN WRITTEN PERMISSION OF STRUCTURAL ENGINEER BEFORE PROCEEDING WITH ANY CUTTING OR PATCHING OF STRUCTURAL SYSTEMS. DO NOT CUT ROOF FRAMING.
12. REFER TO STRUCTURAL PLANS FOR SEISMIC ATTACHMENT REQUIREMENTS PER SECTION 1613 OF THE BUILDING CODE.
13. THE LOCATIONS OF ALL ITEMS SHOWN ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS THAT ARE NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE ONLY. THE EXACT LOCATIONS NECESSARY TO SECURE THE BEST CONDITIONS AND RESULTS MUST BE DETERMINED BY THE PROJECT SITE CONDITIONS AND SHALL HAVE THE APPROVAL OF THE OWNER'S REPRESENTATIVE BEFORE BEING INSTALLED. DO NOT SCALE DRAWINGS.
14. ALL MISCELLANEOUS STEEL REQUIRED TO ENSURE PROPER INSTALLATION AND AS SHOWN ON DRAWINGS FOR PIPING AND EQUIPMENT (UNLESS OTHERWISE NOTED) SHALL BE FURNISHED AND INSTALLED BY THE PLUMBING CONTRACTOR.
15. ALL PIPING AND EQUIPMENT SUPPORTED FROM STRUCTURAL STEEL SHALL BE COORDINATED WITH GENERAL CONTRACTOR. ALL ATTACHMENTS TO STEEL BAR JOISTS, TRUSSES, OR JOIST GIRDERS SHALL BE AT PANEL POINTS. PROVIDE BEAM CLAMPS MEETING MSS STANDARDS. WELDING TO STRUCTURAL MEMBERS IS NOT PERMITTED. THE USE OF C-CLAMPS IS NOT PERMITTED.
16. PIPING SHALL NOT BE SUPPORTED FROM METAL DECK.
17. THESE PLANS AND ACCOMPANYING SPECIFICATIONS HAVE BEEN DESIGNED TO SHOW SUBSTANTIAL COMPLIANCE WITH THE APPLICABLE PLUMBING CODE AND BUILDING ENERGY EFFICIENCY CODE. ALL EQUIPMENT SHALL MEET THE REQUIREMENTS OF THE BUILDING ENERGY EFFICIENCY CODE.
18. WHERE TWO OR MORE ITEMS OF THE SAME TYPE OF EQUIPMENT ARE REQUIRED, THE PRODUCT OF ONE MANUFACTURER SHALL BE USED.
19. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS, ROUGH IN DIMENSIONS, AND MOUNTING HEIGHTS OF ALL FIXTURES, EQUIPMENT, ACCESS PANELS, CLEANOUTS, AND OTHER EXPOSED PLUMBING ELEMENTS. WHERE DIMENSIONS ARE NOT INDICATED, COORDINATE WITH OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING CURRENT REQUIREMENTS WITH THE MANUFACTURER OF THE PRODUCTS USED ON THE PROJECT AND NOTIFY THE OWNER'S REPRESENTATIVE IF ANY DISCREPANCIES ARE FOUND BEFORE THE PURCHASE OF THE PRODUCT AND PRIOR TO INSTALLATION WORK OF ANY OWNER-FURNISHED PRODUCTS.
21. CONTRACTOR SHALL PROVIDE DUST COVERS AT ALL EXPOSED PIPING OPENINGS DURING CONSTRUCTION. BROOM CLEAN WORK AREA ON A DAILY BASIS TO MINIMIZE DUST AND DEBRIS WITHIN THE CONSTRUCTION AREA.
22. LOCATIONS AND SIZES OF ALL FLOOR, WALL, AND ROOF OPENINGS SHALL BE COORDINATED WITH ALL OTHER TRADES INVOLVED.
23. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ALL FIRE AND SMOKE RATED ASSEMBLIES. PROVIDE UL LISTED SEALANT SYSTEM AT ALL LOCATIONS WHERE PIPING PENETRATES FIRE OR SMOKE RATED ASSEMBLIES (WALLS AND FLOORS).
24. DO NOT INSTALL ANY PIPING INSIDE ANY RATED WALL ASSEMBLIES OR IN STAIRWELLS.
25. PROVIDE WATER PROOF SEALANT AT FLOOR PENETRATIONS.
26. THESE DRAWINGS DO NOT INCLUDE ALL NECESSARY SAFETY REQUIREMENTS. CONTRACTOR TO COMPLY WITH SAFETY REQUIREMENTS SET FORTH BY THE LOCAL AUTHORITIES HAVING JURISDICTION.
27. ALL PLUMBING WORK SHALL BE INSTALLED AS TO AVOID INTERFERENCE WITH OTHER TRADES.
28. ALL CLEANOUTS SHALL BE INSTALLED WHERE READILY ACCESSIBLE AND LOCATED AS PER CODE REQUIREMENTS. DO NOT INSTALL ANY FLOOR CLEANOUTS IN PATHS OF TRAVEL. THE CONTRACTOR SHALL COORDINATE ALL CLEANOUT LOCATIONS WITH EQUIPMENT, FURNITURE, CASEWORK, ETC. AND THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
29. SHUT OFF VALVES, WATER CONTROL DEVICES, CLEANOUTS, ETC. SHALL BE THE SAME SIZE AS PIPING SERVED, UNLESS NOTED OTHERWISE.
30. BEFORE FABRICATION OR INSTALLATION, THE CONTRACTOR SHALL VERIFY EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT AND EQUIPMENT PROVIDED UNDER ANOTHER SECTION OF SPECIFICATIONS. EXACT ROUGH IN LOCATIONS AND REQUIREMENTS SHALL BE COORDINATED IN THE FIELD.
31. ALL HORIZONTAL PIPING LINES EXTENDED AND CONNECTED TO EQUIPMENT SHALL BE RUN AT THE HIGHEST POSSIBLE ELEVATIONS.
32. ALL PIPING SHALL BE SUPPORTED SO AS NOT TO CONTACT ANY PORTION OF THE SUSPENDED CEILING SYSTEMS, STUDS/GYPSUM BOARD/NOISE CONTROL ELEMENTS OF THE OVERALL STRUCTURE. TRAPEZES OR OTHER DEVICES SHALL BE USED WHERE PIPING INTERFACES WITH THE NORMAL SPACING OF HANGER WIRES FOR CEILING SYSTEMS.
33. HORIZONTAL SOIL, WASTE, AND TRAP PRIMER PIPING WITHIN THE BUILDING SHALL BE INSTALLED CONCEALED WITHIN WALLS, BELOW FINISH FLOOR, OR BELOW FINISH SLAB AS APPLICABLE UNLESS NOTED OTHERWISE. ALL OTHER HORIZONTAL PIPING WITHIN THE BUILDING SHALL BE INSTALLED CONCEALED ABOVE CEILING OR WITHIN WALLS AS APPLICABLE UNLESS NOTED OTHERWISE. ALL VERTICAL PIPING SHALL BE INSTALLED CONCEALED WITHIN WALLS UNLESS NOTED OTHERWISE. NO PIPING SHALL BE INSTALLED IN EXPOSED LOCATIONS UNLESS SPECIFICALLY NOTED AS SUCH ON PLANS.
34. PIPING BETWEEN EACH PLUMBING FIXTURE AND THE NEAREST BRANCH OR MAIN PIPING RUN SHALL BE SIZED TO MATCH THE CORRESPONDING FIXTURE SCHEDULE CONNECTION SIZE AT A MINIMUM UNLESS NOTED AS A LARGER SIZE ON PLANS. PIPE HEADERS IN WALLS SERVING BANKS OF FIXTURES SHALL BE FULL LINE SIZE FROM THE UPSTREAM END OF THE BRANCH LINE TO THE END TERMINAL UNLESS NOTED OTHERWISE.
35. VERIFY EXACT LOCATIONS OF ALL MECHANICAL, FIRE PROTECTION, ELECTRICAL AND/OR OTHER EQUIPMENT INSTALLED BY OTHERS REQUIRING PLUMBING CONNECTIONS PRIOR TO ORDERING OF MATERIALS OR INSTALLATION. COORDINATE EXACT ROUGH IN LOCATIONS AND REQUIREMENTS WITH OTHER INSTALLING CONTRACTORS AS APPLICABLE PRIOR TO INSTALLATION
36. DOMESTIC WATER PIPING, FITTINGS, VALVES, AND APPURTENANCES SHALL BE LEAD-FREE IN COMPLIANCE WITH STATE REQUIREMENTS.
37. REFER TO TYPICAL DETAILS FOR PIPING AND EQUIPMENT INSTALLATION.
38. PROVIDE FLASHING AND COUNTERFLASHING FOR ALL PENETRATIONS THROUGH WALLS OR ROOF TO MAKE WATERPROOF INSTALLATION.
39. SUPPORT ALL PIPING SO THAT IT IS FIRMLY HELD IN PLACE BY APPROVED IRON HANGERS AND SUPPORTS, IN ACCORDANCE WITH RECOMMENDATIONS OF AMERICAN PIPE FITTERS ASSOCIATION AND PIPE HANGER INSTITUTE.
40. INSTALL ALL PLUMBING EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS, CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS.
41. COORDINATE ALL EQUIPMENT CONNECTIONS WITH MANUFACTURERS' CERTIFIED DRAWINGS. COORDINATE AND PROVIDE ALL DUCT AND PIPING TRANSITIONS REQUIRED FOR FINAL EQUIPMENT CONNECTIONS TO FURNISHED EQUIPMENT. FIELD VERIFY AND COORDINATE ALL PIPING DIMENSIONS BEFORE FABRICATION.
42. WHEREVER POSSIBLE, USE SAME ACCESS PANEL FOR SHUT OFF VALVES, TRAP PRIMERS, CLEANOUTS, AND/OR OTHER INTERIOR WALL COMPONENTS WHEN LOCATED DIRECTLY ADJACENT IN SAME VICINITY. SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS. WHERE DIMENSIONS ARE NOT INDICATED, COORDINATE WITH ARCHITECT AND/OR OWNER'S REPRESENTATIVE FOR LOCATIONS PRIOR TO INSTALLATION. MINIMUM SIZE REQUIRED: 12"x12".
43. ALL TESTS SHALL BE COMPLETED BEFORE ANY PIPING INSULATION IS APPLIED.
44. TEST SYSTEMS IN ACCORDANCE WITH REQUIREMENTS OF THE GOVERNING AUTHORITIES.
45. DISINFECTION AND FLUSHING OF POTABLE WATER PIPING SHALL BE DONE IN ACCORDANCE WITH THE PLUMBING CODE.
46. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING AND REPAIRING ALL AREAS WHICH ARE EXCAVATED AND/OR DAMAGED BY THEIR OPERATIONS. THE CONTRACTOR SHALL RESTORE ALL AREAS DAMAGED BY THEIR OPERATIONS TO THEIR ORIGINAL CONDITION.
47. AT COMPLETION OF CONSTRUCTION PROVIDE AS-BUILT DRAWINGS AND COPIES OF BOUND OPERATIONS AND MAINTENANCE MANUALS.
48. GUARANTEE ALL WORK AND MATERIALS FOR ONE YEAR (MINIMUM) FROM DATE OF CERTIFICATE OF OCCUPANCY.
49. A COPY OF THE MANUFACTURER'S INSTALLATION INSTRUCTIONS SHALL BE PROVIDED AT THE LOCATION OF EACH PIECE OF EQUIPMENT.

ABBREVIATIONS

ABV	ABOVE
AD	ACCESS DOOR
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AP	ACCESS PANEL
ARCH	ARCHITECT
ASR	AUTO FIRE SPRINKLER RISER
BAS	BUILDING AUTOMATION SYSTEM
BFV	BUTTERFLY VALVE
BHP	BRAKE HORSEPOWER
BTU	BRITISH THERMAL UNIT
BV	BALL VALVE
BWV	BACKWATER VALVE
CA	COMPRESSED AIR
CD	CONDENSATE DRAIN
CR	STEAM CONDENSATE RETURN
CFF	CAP FOR FUTURE
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CFS	CUBIC FEET PER SECOND
CI	CAST IRON
CLG	CEILING
CO	CLEANOUT
CONC	CONCRETE
CV	CHECK VALVE
CW	DOMESTIC COLD WATER
CWFU	COLD WATER FIXTURE UNIT
DN	DOWN
DCVA	DOUBLE CHECK VALVE ASSEMBLY
DDCVA	DOUBLE DETECTOR CHECK VALVE ASSEMBLY
DFU	DRAINAGE FIXTURE UNIT
DIA	DIAMETER
DSN	DOWNSPOUT NOZZLE
DWG	DRAWING
DWV	DRAINAGE WASTE AND VENT
E	EXISTING
ELEC	ELECTRICAL
FA	FLOW ALARM
FC	FLEXIBLE CONNECTION
FCO	FLOOR CLEANOUT
FDV	FIRE DEPARTMENT VALVE
FDVC	FIRE DEPARTMENT VALVE CABINET
FFA/FFB	FROM FLOOR ABOVE/BELOW
FFE	FINISHED FLOOR ELEVATION
FH	FIRE HYDRANT
FHV	FIRE HOSE VALVE
FIN	FINISHED
FO	FUEL OIL
FPS	FEET PER SECOND
FT	FEET
FT	FLUSH TANK
FU	FIXTURE UNIT
FV	FLUSH VALVE
G	GAS
GAL	GALLONS
GC	GAS COCK
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GV	GATE VALVE
HD	HUB DRAIN
HP	HORSEPOWER
HW	DOMESTIC HOT WATER
HWR	DOMESTIC HOT WATER RECIRCULATION
HWFU	HOT WATER FIXTURE UNIT
IAPMO	INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS
ICBO	INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS
IE	INVERT ELEVATION
IRR	IRRIGATION
LAV	LAVATORY
LBS	POUNDS (UNIT OF FORCE)
MAX	MAXIMUM
MBH	THOUSANDS BTU/HR
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MH	MANHOLE
NC	NORMALLY CLOSED
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NO	NORMALLY OPEN OR NUMBER
NIC	NOT IN CONTRACT
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OW	OIL WASTE
POC	POINT OF CONNECTION
POD	POINT OF DISCONNECTION
PRV	PRESSURE REDUCING VALVE
PS	PRESSURE SWITCH
PSI	POUNDS PER SQUARE INCH
RI&C	ROUGH IN AND CONNECT
R	RELOCATE, RISE, RISER
RP	REDUCED-PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY
RPM	REVOLUTIONS PER MINUTE
SD	STORM DRAIN
SF	SQUARE FEET
SHWR	SOLAR HOT WATER RETURN
SHWS	SOLAR HOT WATER SUPPLY
SOV	SHUT-OFF VALVE
SPK	SPRINKLER
SS	SANITARY SEWER
TFA/TFB	TO FLOOR ABOVE/BELOW
TP	TRAP PRIMER
TS	TAMPER SWITCH
TT	TEST TEE
TYP	TYPICAL
U/UR	URINAL
VB	VACUUM BREAKER
V	VENT
VTR	VENT THROUGH ROOF
W	WASTE
WC	WATER CLOSET
WHA	WATER HAMMER ARRESTOR
WCO	WALL CLEANOUT
W/	WITH
YB	YARD BOX

PLUMBING LEGEND

NOTE: NOT ALL SYMBOLS OR ABBREVIATIONS ARE APPLICABLE TO THIS PROJECT. REFER TO DETAILS AND NOTES FOR MOUNTING HEIGHTS.

SYMBOL	DESCRIPTION
	TRAP PRIMER
	BALL VALVE
	BUTTERFLY VALVE
TS	GATE VALVE
	BALANCING VALVE
	SHUT OFF VALVE IN CONCRETE YARD BOX
	ANGLE GATE VALVE
	SOLENOID VALVE
	CHECK VALVE
	PRESSURE REDUCING VALVE
	MIXING VALVE
	PLUG VALVE / GAS COCK
	RELIEF VALVE
	VACUUM RELIEF VALVE
	PRESSURE & TEMPERATURE RELIEF VALVE
	AUTOMATIC AIR VENT
	BACKWATER VALVE
	REDUCED - PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY (RP)
	UNION
	STRAINER
	STRAINER WITH BLOW OFF HOSE BIBB
	PIPE ANCHOR
	PIPE ALIGNMENT GUIDE
	EXPANSION JOINT
	FLEXIBLE CONNECTOR
	CAP OR PLUG
	BLIND FLANGE
	CONCENTRIC REDUCER
	AQUASTAT
WHA	WATER HAMMER ARRESTOR
PG	PRESSURE GAUGE WITH COCK
T	THERMOMETER
CO/WCO	CLEANOUT / WALL CLEANOUT
FCO/COTG	FLOOR CLEANOUT / CLEANOUT TO GRADE
YCO/COTG	YARD CLEANOUT / CLEANOUT TO GRADE
TT	TEST TEE
WH	WALL HYDRANT
HB	HOSE BIBB
	ROOF HYDRANT
YH	YARD HYDRANT
	THRUST BLOCK
FD	FLOOR DRAIN
FS	FLOOR SINK W/ GRATE AS SHOWN
	HUB DRAIN
	ROOF RECEPTOR
	STORM DRAIN
	OVERFLOW DRAIN
	DECK DRAIN, PLANTER DRAIN
	DOWN SPOUT NOZZLE
M	SUB-METER

SYMBOL	DESCRIPTION
1% SLOPE	DIRECTION OF SLOPE
	DIRECTION OF FLOW
	PIPE UP OR UP & DN
	PIPE DOWN
	PIPE DROP
	TOP CONNECTION - BRANCH LINE
	BOTTOM CONNECTION - BRANCH LINE
	COLD WATER
	HOT WATER
	HOT WATER RECIRCULATION
140	HOT WATER (140°F)
	VENT
	PIPING BELOW GRADE OR FLOOR
	PIPING ABOVE GRADE OR FLOOR
SS	SANITARY SEWER, WASTE OR SOIL
SD	STORM DRAIN, RAINWATER DRAIN PIPING
OD	OVERFLOW STORM DRAIN PIPING
PD	PUMPED DISCHARGE
D	DRAIN LINE
IW	INDIRECT WASTE
GW	GREASE WASTE
G	NATURAL GAS (7"W.C.)
MG	MEDIUM PRESSURE GAS (2 PSIG TO 5 PSIG)
LG	LOW PRESSURE GAS
CA	COMPRESSED AIR
(E)	EXISTING PIPE
TW	TEMPERED WATER
TWR	TEMPERED WATER RETURN
6"	PIPE SIZE (DIAMETER IN INCHES)
(E)	EXISTING WORK TO REMAIN
(D)	EXISTING WORK TO BE REMOVED
(F)	FUTURE WORK
(ER)	EXISTING RELOCATED
℄	CENTER LINE
	POINT OF CONNECTION OR POINT OF DISCONNECTION
SS	SANITARY SEWER STACK
V	VENT STACKS
CW	COLD WATER RISER
HW	HOT WATER RISER
HWC	HOT WATER RECIRC. RISER
G	GAS RISER
SD	STORM DRAIN RISER
OD	OVERFLOW DRAIN RISER
CA	COMPRESSED AIR RISER
XX X	PLUMBING EQUIPMENT
XXX	MISCELLANEOUS EQUIPMENT
#	KEYED NOTE
1 P2	DETAIL NO. SHEET NO.
#	POUNDS OR NUMBER

MEDICAL PIPING

SYMBOL	DESCRIPTION
DI	DEIONIZED WATER
O2	MEDICAL OXYGEN
O2	MEDICAL OXYGEN OUTLET
N2	NITROGEN
MV	MEDICAL VACCUUM
MV	MEDICAL VACCUUM INLET
MA	MEDICAL AIR
MA	MEDICAL AIR OUTLET
MVAC	MEDICAL VACUUM
AW	ACID WASTE
AV	ACID VENT

PLUMBING DRAWING LIST

P000	PLUMBING LEGEND AND ABBREVIATIONS
P001	PLUMBING SHEET SPECIFICATIONS
P002	SCHEDULES, SPECIFICATIONS & DETAILS
P100	LEVEL 2 - PLUMBING DEMOLITION PLAN
P101	LEVEL 3 - PLUMBING DEMOLITION PLAN
P200	LEVEL 2 - PLUMBING PLAN
P201	LEVEL 3 - PLUMBING PLAN
P601	ENLARGED PLANS
P602	ENLARGED PLANS
P603	ENLARGED PLANS

BC2

DEFERRED SUBMITTALS

1. FIRE SPRINKLER DESIGN
2. SEISMIC BRACING FOR MECHANICAL AND PLUMBING SYSTEMS, INCLUDING EQUIPMENT, PIPING, AND DUCTWORK.
3. PIPE SYSTEM CERTIFICATION AND ANALYSIS:
   A. DESIGN: DESIGN AND CALCULATE REQUIREMENTS FOR THERMAL EXPANSION OF PIPING SYSTEMS AND FOR SELECTING AND DESIGNING EXPANSION JOINTS AND LOOPS.
   B. ANCHOR DETAILS: DETAIL FABRICATION OF EACH ANCHOR. SHOW DIMENSIONS AND METHODS OF ASSEMBLY AND ATTACHMENT TO BUILDING STRUCTURE. SUPPORTS, ANCHORS, AND GUIDES SHALL BE DESIGNED FOR COMBINED GRAVITY, SEISMIC, PRESSURE, AND THERMAL LOADS.
   C. ALIGNMENTS GUIDE DETAILS: DETAIL FIELD ASSEMBLY AND ATTACHMENT TO BUILDING STRUCTURE.
   D. SCHEDULE: EACH EXPANSION JOINT SHALL BE SCHEDULE WITH MANUFACTURER, TYPE, MATERIAL, SIZE, PRESSURE RATING, END CONNECTIONS, AND LOCATION.
   E. FULLY COORDINATE WITH DESIGN OF SEISMIC RESTRAINT AND ANCHORAGE.

*FOR ALL ITEMS LISTED ABOVE, THE PLUMBING AND/OR MECHANICAL CONTRACTOR SHALL PROVIDE A DELEGATED DESIGN SUBMITTAL WITH DOCUMENTATION AND ENGINEERING REQUIRED TO SATISFY REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION (AHJ). THE DELEGATED DESIGN SUBMITTAL SHALL INCLUDE BUT NOT BE LIMITED TO ANALYSIS DATA SIGNED AND SEALED BY A QUALIFIED PROFESSIONAL ENGINEER RESPONSIBLE FOR THEIR PREPARATION.

PLUMBING BASIS OF DESIGN

1. THE EXISTING LEVEL THREE OF THE BUILDING IS TO BE UPDATE WITH NEW FIXTURES AND LAYOUTS .
2. CODES AND STANDARDS (LATEST EDITIONS UNLESS OTHERWISE REQUIRED BY AHJ)
   1. AMERICANS WITH DISABILITIES ACT (ADA) BC1
   2. NFPA 99: HEALTH CARE FACILITIES CODE
   3. CALIFORNIA BUILDING CODES ENFORCED BY THE AUTHORITY HAVING JURISDICTION (AHJ):
      a. 2022 CALIFORNIA BUILDING CODE (CBC), CALIFORNIA CODE OF REGULATIONS, TITLE-24, PART 2 (2021 INTERNATIONAL BUILDING CODE WITH STATE AND LOCAL AMENDMENTS)
      b. 2022 CALIFORNIA PLUMBING CODE (CPC), CALIFORNIA CODE OF REGULATIONS, TITLE-24, PART 5 (2021 UNIFORM PLUMBING CODE WITH STATE AND LOCAL AMENDMENTS)
      c. 2022 CALIFORNIA BUILDING ENERGY EFFICIENCY STANDARD FOR NONRESIDENTIAL COMPLIANCE, CALIFORNIA CODE OF REGULATIONS, TITLE-24, PART 6
      d. 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE-24, PART 11
1. WATER SUPPLY:
   1. THE EXISTING COLD WATER DISTRIBUTION SYSTEM SHALL BE USED TO SUPPLY COLD WATER TO ALL NEW FIXTURES.
   2. IT IS ASSUMED THERE ARE NO DIFICIENCIES WITHIN THE SYSTEM AND IT IS APPROPRIATELY SIZED TO SERVICE NEW FIXTURES.
2. DOMESTIC HOT WATER:
   1. THE EXISTING HOT WATER DISTRIBUTION SYSTEM SHALL BE USED TO SUPPLY COLD WATER TO ALL NEW FIXTURES.
   2. IT IS ASSUMED THERE ARE NO DEFICIENCIES WITHIN THE SYSTEM AND IT IS APPROPRIATELY SIZED TO SERVICE NEW FIXTURES.
   3. THE MAXIMUM ALLOWABLE PIPING LENGTH FOR DOMESTIC HOT WATER FROM THE NEAREST SOURCE OF HEATED WATER TO THE TERMINATION OF THE FIXTURE SUPPLY PIPE SHALL NOT EXCEED 25 FEET FOR LAVATORIES AND HAND WASHING SINKS.
3. SANITARY SEWER:
   A. ALL NEW SANITARY WASTE AND VENT PIPING SHALL BE CONNECTED INTO EXISTING BRANCHES OR MAINS. SEE ENLARGED PLANS FOR FURTHER DETAILS.

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EQUIPMENT

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NATIVIDAD MEDICAL CENTER

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PROJECT SPECIFIC INFORMATION

Natividad MEDICAL CENTER

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
4/9/2025, 1:09:36 PM
S240593-27-00
Russell Rocker

LICENSED PROFESSIONAL ENGINEER CHRISTOPHER LORENZ M 41684 EXP. 9/30/2025 MECHANICAL STATE OF CALIFORNIA
3/21/2025

NO	DESCRIPTION	DATE
BC1	BACKCHECK#1	12/13/2024
BC2	BACKCHECK#2	03/14/2025

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

PLUMBING LEGEND AND ABBREVIATIONS

DATE: APRIL, 16, 2024

CONSTRUCTION DOCUMENTS

P000

CONSTRUCTION DOCUMENTS

PLUMBING SHEET SPECIFICATIONS

PART 1 - GENERAL

1.1 GENERAL REQUIREMENTS
A. DEFINITIONS – "CONTRACTOR" MEANS "PLUMBING CONTRACTOR" WHEN REFERENCED ANYWHERE IN THE PLUMBING CONSTRUCTION DOCUMENTS UNLESS WORK AND EQUIPMENT HAS BEEN COORDINATED BETWEEN PLUMBING AND GENERAL CONTRACTORS TO BE PROVIDED BY OTHERS. "NEEDED," "PROVIDE," AND "INSTALL" MEANS ALL ITEMS CALLED OUT IN THE CONTRACT DOCUMENTS AND ANY ADDITIONAL ITEMS NOT CALLED OUT BUT REQUIRED TO MAKE A COMPLETE AND OPERATIONAL SYSTEM.

B. PLANS ARE DIAGRAMMATIC. DO NOT SCALE FOR MATERIAL QUANTITIES. ALL SCALING SHOULD BE REFERENCED TO ARCHITECTURAL PLANS ONLY. FURNISH AND INSTALL ALL COMPONENTS NEEDED WHETHER INDICATED OR NOT TO PROVIDE A COMPLETE AND OPERATING SYSTEM.

C. CONTRACTOR SHALL VISIT SITE AND VERIFY ALL CONNECTIONS TO EXISTING WORK PRIOR TO BIDDING.

D. SCOPE – THE INTENT OF THE SPECIFICATIONS AND THE DRAWINGS IS TO PROVIDE A COMPLETE AND FULLY OPERATIONAL PLUMBING SYSTEM. THE PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL ALL LABOR, MATERIAL AND EQUIPMENT NECESSARY TO COMPLETE THE PLUMBING WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER FITTING OF MATERIAL INTO THE BUILDING AS INDICATED ON DRAWINGS, WITHOUT INTERFERENCE WITH OTHER WORK, AND SHALL MAKE REASONABLE MODIFICATIONS IN THE LAYOUTS NEEDED TO PREVENT CONFLICT WITH OTHER TRADES, TO PROVIDE ACCESS AND FOR THE PROPER EXECUTION OF THE WORK.

E. PERMITS AND FEES – THE PLUMBING CONTRACTOR SHALL PROCURE AND PAY FOR ALL PERMITS, FEES AND INSPECTIONS NECESSARY TO COMPLETE THE PLUMBING SCOPE OF WORK.

F. WARRANTY – THE PLUMBING CONTRACTOR SHALL UNCONDITIONALLY WARRANT ALL WORK TO BE FREE OF DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE BY OWNER'S REPRESENTATIVE AND WILL REPAIR OR REPLACE ANY DEFECTIVE WORK PROMPTLY AND WITHOUT CHARGE AND RESTORE ANY OTHER EXISTING WORK DAMAGED IN THE COURSE OF REPAIRING DEFECTIVE MATERIALS AND WORKMANSHIP.

G. CODES: ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL APPLICABLE LOCAL CODES AND ORDINANCES, IN CASE OF CONFLICT BETWEEN THE DRAWINGS AND THE SPECIFICATIONS AND THE CODES AND ORDINANCES, THE HIGHEST STANDARD SHALL APPLY. THE PLUMBING CONTRACTOR SHALL SATISFY CODE REQUIREMENTS AS A MINIMUM STANDARD WITHOUT EXTRA COST.

H. STANDARDS: EQUIPMENT AND MATERIALS SHALL CONFORM WITH APPROPRIATE PROVISIONS OF UPC, CPC, CSA, ULC, ARL, ASME, ASTM, UL, NEMA, ANSI SMACNA, ASHRAE, AND NFPA, AS APPLICABLE TO EACH INDIVIDUAL UNIT OR ASSEMBLY.

I. ALL PROPOSED SUBSTITUTIONS SHALL BE SUBMITTED PRIOR TO BIDDING AND PREAPPROVED IN WRITING. ALL COORDINATION ASSOCIATED WITH SUBSTITUTED MATERIALS OR EQUIPMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

J. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND TECHNICAL DATA FOR ALL EQUIPMENT AND MATERIALS SCHEDULED AND SPECIFIED INCLUDING AIR DISTRIBUTION AND PIPING SYSTEMS.

K. OPERATING AND MAINTENANCE INSTRUCTIONS – AT THE CONCLUSION OF THE PROJECT, THE CONTRACTOR SHALL PROVIDE THREE (3) COPIES OF OPERATING AND MAINTENANCE INSTRUCTIONS FOR EACH PIECE OF EQUIPMENT REQUIRING PERIODIC SERVICE.

L. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS AND INSTRUCTIONS.

1.2 COORDINATION WITH EXISTING CONDITIONS AND OTHER TRADES
A. THIS PROJECT INVOLVES CONSTRUCTION INSIDE AN EXISTING STRUCTURE. CONTRACTORS, BY SUBMITTING A BID ARE DEEMED TO BE COMPLETELY FAMILIAR WITH THE EXISTING CONDITIONS OF THE BUILDING AS IT INFLUENCES THE WORK DESCRIBED. NO CLAIMS FOR EXTRA COMPENSATION WILL BE CONSIDERED FOR EXISTING CONDITIONS VISIBLE OR REASONABLY INFERABLE FROM A CAREFUL EXAMINATION OF THE EXISTING BUILDING CONDITIONS.

B. CONTRACTOR SHALL INSPECT THE EXISTING FIELD CONDITIONS AT THE SITE AND THE "AS BUILT" CONTRACT DOCUMENTS PRIOR TO THE START OF ANY WORK TO DETERMINE WHAT AFFECT THE EXISTING CONDITIONS WILL HAVE ON THE WORK POTENTIAL. PROBLEM AREAS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY.

C. CONTRACTOR SHALL CONNECT THEIR WORK TO THE EXISTING PIPING SYSTEMS. NEW WORK SHALL BE COMPATIBLE WITH THE EXISTING SYSTEM MATERIALS, AND CONSTRUCTION METHODS. COORDINATE ALL WORK WITH OTHER TRADES AND INSTALL ALL WORK IN COORDINATION WITH ARCHITECTURAL AND STRUCTURAL MEMBERS. EXCEPT FOR NECESSARY CONNECTIONS TO ASSOCIATED EQUIPMENT, NO PIPING OR DUCTWORK IS TO BE IN CONTACT WITH EQUIPMENT.

D. COORDINATE ALL CUTTING AND PATCHING WITH GENERAL CONTRACTOR AND OTHER DISCIPLINES. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING RELATED TO HIS WORK.

E. OBTAIN WRITTEN PERMISSION OF STRUCTURAL ENGINEER BEFORE PROCEEDING WITH ANY CUTTING OR PATCHING OF STRUCTURAL SYSTEMS. DO NOT CUT ROOF FRAMING.

F. CARE SHALL BE TAKEN DURING INSTALLATION OF THE WORK TO NOT DAMAGE OR INTERRUPT THE EXISTING BUILDING SYSTEMS AND SERVICES INSTALLED. DAMAGE TO EXISTING SYSTEMS AND EQUIPMENT CAUSED BY CONTRACTOR DURING THE INSTALLATION OF THEIR WORK SHALL BE REPAIRED AND/OR REPLACED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE BUILDING OWNER.

G. NOTIFICATIONS AND COMPLIANCE WITH BUILDING STANDARDS AND RULES:
1. OBTAIN A COPY OF ANY APPLICABLE BUILDING TENANT DEVELOPMENT AND BUILDING CONSTRUCTION STANDARDS AND COMPLY WITH THESE STANDARDS.
2. SHUTDOWN OF EXISTING SYSTEMS FOR CONNECTION TO EXISTING SERVICES SHALL BE COORDINATED WITH THE OWNER. CONTRACTOR SHALL SUBMIT REQUESTS WHERE THEY AFFECT THE OPERATION OF THE BUILDING SYSTEMS AT LEAST ONE (1) WEEK IN ADVANCE OF ANY REQUIRED SHUTDOWN. THE ACTUAL SHUTDOWN PERIOD SHALL BE AS SHORT AS POSSIBLE AND AT A TIME AGREED TO BY THE OWNER.

H. DEMOLITION SHALL BE COORDINATED WITH OWNER'S REPRESENTATIVE, ARCHITECT AND GENERAL CONTRACTOR.

I. CONTRACTOR SHALL REPORT ANY EQUIPMENT DEFICIENCIES FOUND TO THE ARCHITECT WITHIN FIVE (5) DAYS OF DISCOVERY.

PART 2 - PRODUCTS AND EXECUTION

2.1 BASIC MATERIALS AND METHODS
A. ALL MATERIALS AND EQUIPMENT ARE TO BE NEW UNLESS OTHERWISE DESIGNATED IN THESE DOCUMENTS.

B. CUTTING, CORING AND FITTING – PERFORM REPAIRING AND FINISHING OF THE WORK NECESSARY FOR THE INSTALLATION OF THE FIXTURE. HOWEVER, NO CUTTING OF THE WORK OF OTHER TRADES OR ANY STRUCTURAL MEMBER SHALL BE DONE WITHOUT THE CONSENT OF THE ARCHITECT, CONSTRUCTION MANAGER, GENERAL CONTRACTOR, AND/OR OWNER. PROPERLY FILL, SEAL, FIREPROOF, AND WATERPRROOF ALL OPENINGS, SLEEVES AND HOLES IN SLABS, WALLS, AND CASEWORK.

C. HANGERS AND SUPPORTS – THE PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL ALL SUPPORTS NEEDED FOR EQUIPMENT AND MATERIAL. PROVIDE HANGERS FOR INSULATED PIPE SIZES 1/2" TO 1-1/2" OF THE ADJUSTABLE STEEL BAND TYPE. HANGERS FOR INSULATED PIPE SIZES 2" AND OVER SHALL BE ADJUSTABLE STEEL CLEVIS TYPE. SHIELDS SHALL BE USED WHERE HANGER SUPPORTS INSULATED PIPE. HANGERS AND PIPE ATTACHMENTS TO BE FACTORY FABRICATED WITH GALVANIZED COATINGS; NONMETALLIC COATED FOR HANGERS IN DIRECT CONTACT WITH COPPER TUBING. HANGERS SHALL BE LOCATED 12" MAXIMUM FROM ANY CHANGE IN DIRECTION AND SPACES AS FOLLOWS FOR STRAIGHT RUNS. MAXIMUM SPACING BETWEEN HANGERS SHALL COMPLY WITH LOCAL CODE REQUIREMENTS WITH ADDITIONAL SUPPORTS WHERE REQUIRED TO PROPERLY SUPPORT EACH PIPE.

D. CONNECTIONS – INSTALL UNIONS ADJACENT TO EACH VALVE AND AT FINAL CONNECTION TO EACH PIECE OF EQUIPMENT. INSTALL DIELECTRIC COUPLINGS TO CONNECT PIPING MATERIALS OF DISSIMILAR METALS. SCREW JOINT STEEL PIPING UP TO AND INCLUDING 1-1/2". WELD PIPING USE NON-LEAD, NON-ANTIMONY SOLDER FOR SOLDERING DOMESTIC WATER COPPER PIPE.

E. INSTALLATION – INSTALL PIPING FREE OF SAGS AND BENDS, PROVIDE BRACKET STANDOFFS FROM MOUNTING SURFACES SUFFICIENT TO ALLOW 1" CLEANING SPACE AROUND ALL PIPING, INCLUDING ANY ADDED PIPING INSULATION. INSTALL FITTINGS FOR CHANGES IN DIRECTION AND BRANCH CONNECTIONS. INSTALL SLEEVES FOR PIPES PASSING THROUGH CONCRETE AND MASONRY WALLS, GYPSUM-BOARD PARTITIONS, CONCRETE FLOOR, AND ROOF SLABS/STRUCTURE. SEAL PIPE PENETRATIONS THROUGH RATED CONSTRUCTION WITH FIRE-STOPPING SEALANT MATERIAL MEETING CODE, AHJ, AND ARCHITECT'S REQUIREMENTS. UNDERGROUND WATER AND SEWER LINES SHALL BE LAID IN SEPARATE TRENCHES WITH A MINIMUM HORIZONTAL SPACING AS REQUIRED BY CODE, EXCAVATED TO THE PROPER DEPTH AND GRADED TO PRODUCE THE REQUIRED FALL.

F. ALL PLUMBING AND PLUMBING EQUIPMENT SHALL BE SUPPORTED FROM STRUCTURE (CONFIRM) AND NOT FROM OTHER EQUIPMENT, PIPING, CONDUITS OR CEILING SUPPORTS.

2.2 PLUMBING EQUIPMENT
A. EQUIPMENT – THE PLUMBING CONTRACTOR SHALL VERIFY ANY EQUIPMENT LOCATION AND SIZES REQUIRING PLUMBING CONNECTION(S) WITH THE TRADE AND VENDOR SUPPLYING THE EQUIPMENT PRIOR TO ROUGH-IN.

B. CLEANOUTS – WALL
1. CLEANOUT TEE: CAST IRON CLEANOUT TEE WITH COUNTERSUNK BRONZE PLUG, NEOPRENE PLUG GASKET SEAL AND SMOOTH STAINLESS STEEL COVER.
2. MANUFACTURER: ZURN #Z1446, OR J.R. SMITH #4530 SERIES.

C. TESTING – ALL PIPES SHALL BE TESTED BY AN APPROVED METHOD BEFORE THEY ARE BACKFILLED OR CONCEALED. AFTER TESTING IS COMPLETE, THE PLUMBING CONTRACTOR SHALL DISINFECT THE POTABLE WATER SYSTEM AS REQUIRED BY AHJ. TEST WATER PURITY ACCORDING TO AHJ AND SUBMIT CERTIFIED TEST RESULTS TO AHJ FOR REVIEW AND APPROVAL.

2.3 INSULATION
A. DOMESTIC HOT WATER
1. PREFORMED MINERAL WOOL OR FIBERGLASS:
a. MOLDED FIBROUS GLASS PIPE INSULATION SHALL COMPLY WITH THE REQUIREMENTS OF ASTM C 547 AND MEET ASTM C 585 FOR SIZES REQUIRED IN THE PARTICULAR SYSTEM. UL 723 OR ASTM E84 COMPLIANT FOR FLAME SPREAD INDEX OF 25 OR LESS AND SMOKE DEVELOPED INDEX OF 50 OR LESS. FOR ALL FLUID DISTRIBUTION TEMPERATURES BELOW 45;F THE SYSTEM SHALL BE OF A WICKING TYPE.
b. NON-WICKING.
c. APPLICATIONS: INSULATION OF PIPING UP TO 18" IN DIAMETER AND 3" THICK INSULATION.
d. 'K' VALUE: 0.23 AT 75°F.
e. MAXIMUM SERVICE TEMPERATURE: 850°F.
f. FLAME SPREAD INDEX: ASTM E84 AND UL 723, LESS THAN 25.
g. SMOKE DEVELOPED INDEX: ASTM E84 AND UL 723, LESS THAN 50.
h. VAPOR RETARDER JACKET: AP-T PLUS WHITE KRAFT PAPER REINFORCED WITH GLASS FIBER YARN AND BONDED TO ALUMINUM FOIL, SECURE WITH SELF-SEALING LONGITUDINAL LAPS AND BUTT STRIPS OR AP JACKET WITH OUTWARD CLINCH EXPANDING STAPLES OR VAPOR BARRIER MASTIC AS NEEDED.
i. MANUFACTURERS: JOHNS MANVILLE #MICRO-LOK HP, OWENS CORNING #SSL II, KNAUF, OR EINSULATION.

B. INSTALL NO-SCALD SAFETY COVERS WIT INSULATED FOAM LINER AND TAMPER PROOF STRAP AT EXPOSED PIPING UNDER ADA SINKS.

2.4 PIPING
A. SANITARY WASTE AND VENT PIPING, CAST IRON PIPING. UP TO 15":
1. PIPE AND FITTINGS:
a. CAST IRON, BITUMINOUS COATED "NO-HUB" FITTINGS COMPLYING WITH ASTM A74, ASTM A888, CISPI 301.
b. MANUFACTURED BY AB&I, CHARLOTTE, TYLER, OR NEW AGE.
2. COUPLINGS:
a. TYPE 301 OR 304 STAINLESS STEEL COUPLINGS CONFORMING TO ASTM C1540 WITH HEAVY-DUTY SHIELD AND NEOPRENE SEALING SLEEVE CONFORMING TO ASTM C-564, CISPI 310 AND FM-16I80.
b. MANUFACTURERS: ANACO HUSKY #HD-2000, CLAMP-ALL (NORMA GROUP) #HI-TORQ 80, MISSION #HEAVYWEIGHT, OR IDEAL TRIDON #MD.

B. DOMESTIC WATER PIPING, COPPER PIPING. PIPE SIZES 1/2" TO 8":
1. PIPING:
a. ASTM B88 OR B75, TYPE K OR L, ANNEALED (SOFT) TEMPER.
b. ASTM B88 OR B75, TYPE K OR L, HARD TEMPER.
c. MANUFACTURERS: MUELLER STREAMLINE, OR CERRO FLOW PRODUCTS.
2. FITTINGS-SOLDERED:
a. ASME B16.22 WROUGHT COPPER ALLOY.
b. ASME B16.18 CAST COPPER ALLOY.
c. MANUFACTURERS: NIBCO, OR MUELLER.
3. FITTINGS-BRAZED:
a. ASME B16.50 WROUGHT OR COPPER ALLOY.
b. MANUFACTURERS: NIBCO, OR MUELLER.
4. JOINTS-SOLDERED:
a. ASTM B32 FILLER METALS. MANUFACTURERS: CANFIELD #SILVERFLO OR #WATERSAFE, OR LUCAS MILHAUPT #SILVABRITE 100.
b. WATER SOLUBLE, LEAD FREE FLUX. MANUFACTURERS: OATEY #H-20-95, JW HARRIS #BRIDGIT, LA-CO #FLUX-RITE 90, RECTORSEAL #NOKORODE, OR LUCASMILHAUPT #SILVABRITE 100 OR #95/5.
5. JOINTS-BRAZED:
a. ANSI/AWS A5.8 FILLER METALS. MANUFACTURERS: CANFIELD #SIL-CAN 5 OR #SIL-CAN 15, OR LUCASMILHAUPT #SIL-FOS.
b. WATER SOLUBLE, LEAD FREE FLUX. MANUFACTURERS: JW HARRIS #SAFETY-SILV, OR LUCASMILHAUPT #HANDY FLUX.

C. MEDICAL GRADE GASES & VACUUM
1. TYPE "L" OR TYPE "K" HARD DRAWN COPPER (OXYMED), ASTM B819.
2. FITTINGS: WROUGHT COPPER, ASME/ANSI B16.50, FOR BRAZE-JOINT PRESSURE FITTINGS. BCUP SERIES SILVER-COPPER-PHOSPHORUS ALLOY BRAZED JOINT, AWS A5.8, ONLY. NO FLUX SHALL BE USED. ADHERE TO THE FOLLOWING REQUIREMENTS AND PER NFPA-99 CHAPTER 5.

2.5 VALVES
A. GENERAL – PLUMBING CONTRACTOR TO PROVIDE VALVES WHERE INDICATED ON PLANS AND AS NECESSARY FOR PROPER SYSTEM OPERATION AND COMPONENT ISOLATION. INSTALL VALVES FOR EACH FIXTURE AND ITEM OF EQUIPMENT. PROVIDE BRAIDED STAINLESS STEEL HOSE (UNLESS OTHERWISE NOTED) BETWEEN VALVE AND EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. LOCATE SHUT-OFF VALVES WITHOUT MOVING EQUIPMENT. PROVIDE STOP VALVES FOR ALL EQUIPMENT WHETHER SHOWN ON THE DRAWINGS OR NOT. VALVES SHALL BE LISTED/APPROVED FOR USE BY AHJ AND CODE REQUIREMENTS.

B. VALVES – UNLESS NOTED OTHERWISE, VALVES SHALL MEET THE FOLLOWING MINIMUM REQUIREMENTS:
1. VALVE TYPE:
a. BALL VALVE (UP TO 2"): 600 PSI, 2-PIECE, BRONZE BODY, SOLDERED ENDS FOR COPPER PIPE AND THREADED ENDS FOR IRON PIPE, CHROME PLATED BRASS BALL, TEFLON SEAT, BRASS STEM. STEEL HANDLE. FULL PORT, LOW LEAD COMPLIANT. MANUFACTURERS: MILWAUKEE #UPBA-400 SERIES (THREADED), MILWAUKEE #UPBA-450 SERIES (SWEAT), APOLLO #APXV1212 (PEX CONNECTOR), OR APOLLO LEAD FREE #77CLF SERIES.
b. ANGLE STOP VALVE: HEAVY DUTY 1/4 TURN COMMERCIAL STOP, BRASS BODY, CHROME PLATED, 125 PSI WORKING PRESSURE, COMPLIANT WITH ASME A112.18.1, LOW LEAD COMPLIANT. PROVIDE WITH LOOSE KEY HANDLE IN PUBLIC ACCESS SPACES FOR VANDAL RESISTANCE. SELECT OUTLET DIAMETER SIZE TO MATCH FIXTURE CONNECTION SIZE. MANUFACTURERS: CHICAGO FAUCETS #ST SERIES, BRASSCRAFT #KT SERIES, OR MCGUIRE.
c. MEDICAL GAS BALL VALVE: QUARTER TURN LEVER OPERATED, 3-PIECE FULL PORT VALVE WITH CAST BRONZE BODY, STAINLESS STEEL BALL AND STEM, TEFLON SEALS, RATED FOR PRESSURES OF 400 PSI OR 29" HG VACUUM. MANUFACTURER: ALLIED-CHEMETRON #77 SERIES, OR BEACON-MEDAES.
2. THERMOSTATIC MIXING VALVE:
a. MIXING VALVE SHALL BE ASSE 1070 (PERFORMANCE REQUIREMENTS FOR WATER TEMPERATURE LIMITING DEVICES) COMPLIANT WITH ADJUSTABLE AND LOCKABLE MEANS TO LIMIT THE HOT WATER TEMPERATURE SETTING FOR INDIVIDUAL FIXTURES SUCH AS LAVATORIES AND BATHTUBS. WHERE FIXTURES HAVE INTEGRAL ASSE 1070 COMPLIANT VALVES THERE IS NO ADDITIONAL REQUIREMENT FOR UPSTREAM TEMPERATURE LIMITATION CONTROL. PROVIDE VALVE FOR INDIVIDUAL FIXTURES OR COMBINED FLOWS UP TO 6 GPM.
b. THERMOSTATIC VALVE CONSTRUCTED OF BRASS, BRONZE OR STAINLESS STEEL BODY, WITH SCREWDRIVER LOCKING TEMPERATURE REGULATORS, CHECK STOPS, REMOVABLE/REPLACEABLE CARTRIDGE, STAINLESS STEEL PISTON, BRASS PIPE FITTINGS, AND UNIONS. INTERIOR PARTS IN STANDARD ROUGH BRONZE, NICKEL OR CHROME FINISH. VALVE SHALL BE LEAD-FREE. INCLUDE COLD WATER BYPASS FITTING WHERE REQUIRED BY FAUCET.
c. PROVIDE CHROME OR NICKEL PLATED BODY WHERE INSTALLED EXPOSED UNDER A LAVATORY. PROVIDE STAINLESS STEEL CABINET WITH WALL MOUNTING BRACKET FOR VALVE WHEN INSTALLED INSIDE T HE CONCEALED CABINET.

2.6 TESTING
A. WATER DISTRIBUTION PIPING TEST: BEFORE FIXTURES ARE SET, SUBJECT THE HOT AND COLD WATER PIPING SYSTEMS TO A HYDROSTATIC PRESSURE TEST OF 150 POUNDS PER SQUARE INCH WITH WATER FOR NOT LESS THAN 8 HOURS IN ORDER TO PERMIT INSPECTION OF ALL JOINTS WITH NO EVIDENCE OF LEAKAGE. WHERE A PORTION OF THE WATER DISTRIBUTION PIPING IS TO BE CONCEALED BEFORE COMPLETION, TEST THIS PORTION SEPARATELY AS SPECIFIED FOR THE ENTIRE SYSTEM.
B. SANITARY WASTE AND VENT PIPING TEST: BEFORE THE INSTALLATION OF ANY FIXTURES OR DRAINS, CAP THE ENDS OF THE SYSTEM AND FILL ALL LINES WITH WATER AND ALLOW TO STAND FOR AT LEAST 30 MINUTES WITHOUT LEAKAGE. MAKE TESTS WITHIN BUILDING WITH PIPING EXPOSED. IF THE SYSTEM IS TESTED IN SECTIONS, TIGHTLY LUG EACH OPENING, EXCEPT THE HIGHEST OPENING OF THE SECTION UNDER TEST, AND FILL EACH SECTION WITH WATER AND TEST WITH AT LEAST A 10 FEET HEAD OF WATER FOR WASTE PIPING AND UP TO THE TOP OF VENT TERMINAL FOR VENT PIPING. PERFORM FINAL TEST FOR SANITARY DRAINAGE, VENT AND FIXTURE SYSTEM

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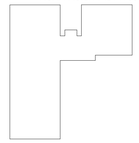

KEYPLAN

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APPROVED
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Office of Statewide Hospital Planning and Development
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S240593-27-00
Russell Rocker

HCAI APPROVAL

5/22/2024

NO	DESCRIPTION	DATE

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HGA NO: 3707-016-00

PLUMBING SHEET SPECIFICATIONS

DATE: APRIL, 16, 2024

CONSTRUCTION DOCUMENTS

P001

CONSTRUCTION DOCUMENTS

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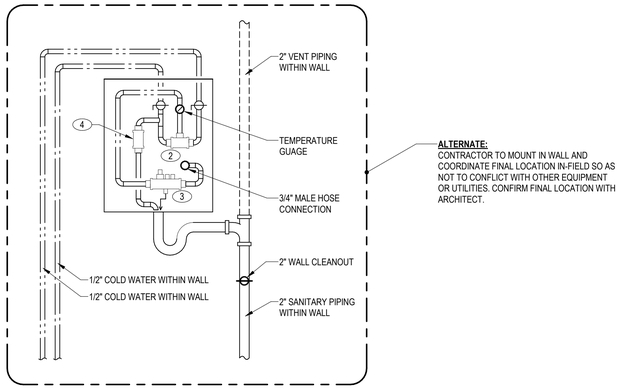
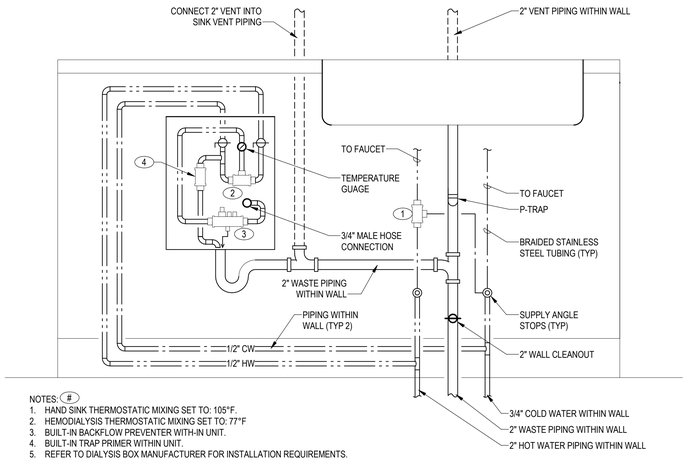


ALTERNATE:
CONTRACTOR TO MOUNT IN WALL AND COORDINATE FINAL LOCATION IN-FIELD SO AS NOT TO CONFLICT WITH OTHER EQUIPMENT OR UTILITIES. CONFIRM FINAL LOCATION WITH ARCHITECT.

BC1



NOTES: (#)
1. HAND SINK THERMOSTATIC MIXING SET TO: 105°F.
2. HEMODIALYSIS THERMOSTATIC MIXING SET TO: 77°F
3. BUILT-IN BACKFLOW PREVENTER WITH-IN UNIT.
4. BUILT-IN TRAP PRIMER WITHIN UNIT.
5. REFER TO DIALYSIS BOX MANUFACTURER FOR INSTALLATION REQUIREMENTS.

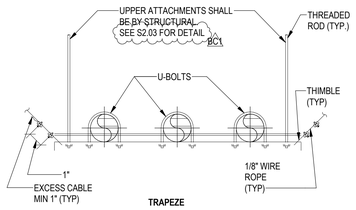
4 HEMODIALYSIS DIALYSIS CONNECTION
SCALE: NONE

PLUMBING FIXTURE SCHEDULE

TAG	FIXTURE	MANUFACTURER	MODEL	ADA (Y/N)	FLOW (GPF/GPM)	CONNECTION SIZE W	V	HW	CW	ELECTRICAL V	PH	A	REMARKS
DF-1	DRINKING FOUNTAIN	ELKAY	EZWS-EDFPBM114K	YES	0.133	1 1/2"	2"		1/2"	115	1	1.1	ROUND BOWL, WALL MOUNTED STAINLESS STEEL DRINKING FOUNTAIN WITH BOTTLE FILLER. PROVIDE ELKAY SUPPORT CARRIER, MOUNTING PLATE, AND RECOMMENDED WATER FILTER.
HDB-1	HEMO-DIALYSIS OUTLETBOX	WHITEALL MANUFACTURING	8194			2"	2"	1/2"	1/2"				UNIT IS AN ALL-IN-ONE SELF-CONTAINED FIXTURE WITH TRAP PRIMER, BACKFLOW PREVENTER, AND MIXING VALVE. INSTALL PER MAUFACTURER'S REQUIREMENTS AND COORDINATE FINAL LOCATION IN-FIELD WITH OTHER FIXTURES AND ARCHITECT. DIMENSIONS (IN): 16-1/2x4x21-1/2.
LV-1	~~HANDWASH SINK~~	~~BY ARCHITECT~~	~~BY ARCHITECT~~	~~YES~~	~~0.35~~	~~2"~~	~~2"~~	~~1/2"~~	~~1/2"~~				~~FAUCET: CHICAGO FAUCET 786-E35ABCP 4" WRISTBLADE GOOSENECK FAUCET, WITH~~ 0.35 GPM NON-AERATEING SPRAY ADAPTER ACCESSORIES: PROVIDE OFFSET DRAIN WITH FIXED GRID STRAINER. PROVIDE PLUMBEREX "PRO-EXTREME" P-TRAP AND SUPPLY PROTECTION MIXING VALVE: SLOAN MIX-60-A SET TO 105°F
LV-2	LAVATORY	KOHLER	K-2007	YES	0.35	2"	2"	1/2"	1/2"				FIXTURE: VITREOUS CHINA, WALL MOUNTED, 21-1/4"X18-1/8" FAUCET: CHICAGO FAUCET 116.203.AB.4T GOOSENECK, BATTERY POWERED SENSOR WITH 0.35 GPM NON-AERATEING SPRAY ADAPTER ACCESSORIES: PROVIDE OFFSET DRAIN WITH FIXED GRID STRAINER. PROVIDE PLUMBEREX "PRO-EXTREME" P-TRAP AND SUPPLY PROTECTION MIXING VALVE: SLOAN MIX-60-A SET TO 105°F.
SH-1	SHOWER	SYMMON	1-117/VT-FS-1.5-X BC1	YES	1.5	2"	2"	1/2"	1/2"				FIXTURE: INCLUDES VISU-TEMP PRESSURE BALANCING MIXING VALVE WITH INTEGRAL THERMOMETER AND ADJUSTABLE STOP SCREW TO LIMIT HANDLE TURN. LEVEL DIVERTER WITH VOLUME CONTROL FOR SHOWER HEAD AND WAND. WAND HOOK TO BE MOUNTED NO HIGHER THAN 48" AFF TO COMPLY WITH ADA AND 60" FLEXIBLE METAL HOSE, AND INTEGRAL STOPS FOR SERVICE AT VALVE. MAXIMUM ALLOWABLE TEMPERATURE: 110°F. DRAIN: DRAIN AND ENCLOSURE BY ARCHITECT. SEE ARCHITECTURAL DRAWING FOR FURTHER INFORMATION. CONTRACTOR TO PROVIDE 2"SS PIPING TO ALLOW FOR DRAIN TO CONNECT INTO
SK-1	BREAKROOM SINK	KOHLER	K-3363-1	YES	1.5	2"	2"	1/2"	1/2"				~~FIXTURE: 18-GUAGE STAINLESS STEEL, COUNTERMOUNTED, 22"X22"X8" DEEP~~ FAUCET: CHICAGO FAUCET 436-ABBN GOOSENECK, SINGLE LEVEL FAUCET WITH LAMINAR FLOW OUTLET ACCESSORIES: PROVIDE OFFSET DRAIN WITH FIXED GRID STRAINER. PROVIDE PLUMBEREX "PRO-EXTREME" P-TRAP AND SUPPLY PROTECTION MIXING VALVE: SLOAN MIX-60-A SET TO 110°F
WC-1	WATER CLOSET, WALL HUNG	KOHLER	K-4325-L	YES	1.28	4"	2"		1 1/4"				FIXTURE: CHINA, WALL MOUNT, ELONGATED BOWL FLUSH VALVE: SLOAN ROYAL 111-1.28 TRIP HANDLE SEAT: OLSONITE #955SCT OPEN FRONT SEAT MOUNT HEIGHT: MOUNT RIM AT 17" AFF. COORDINATE FLUSH VALVE MOUNTING HEIGHT WITH GRAB BAR MOUNTING BREAK AND ADJUST FLUSH VALVE AS REQUIRED, PROVIDE OFFSET OUTLET TUBE ON FLUSH VALVE. COORDINATE WITH ARCHITECTURAL DETAILS

BC1

NOTES:
A. COMPLY WITH ALL MANUFACTURER INSTALLATION REQUIRMENTS TO PROVIDE COMPLETE AND OPERATIONAL FIXTURES.
B. PROVIDE TRANSITION FITTING AS REQUIRED TO CONNECT TO BRANCH PIPING, WHICH MAY BE A DIFFERENT SIZE, AND AS SHOWN ON DRAWINGS.
C. PROVIDE STOP VALVES, BACKFLOW PREVENTERS AND SUPPORTS AS REQUIRED BY THE MANUFACTURER AND PLUMBING CODE.
D. COORDINATE WITH ELECTRICAL DESIGN FOR POWER SUPPLY AND LOCATIONS.
E. HOT WATER SHALL BE LIMITED TO ALL FIXTURES IN ACCORDANCE WITH ASSE STANDARDS.



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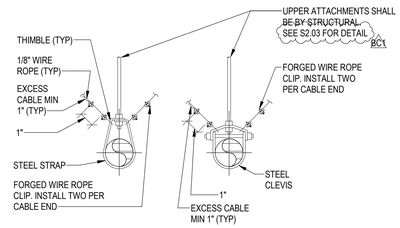
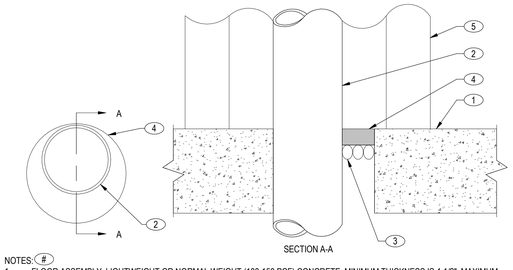


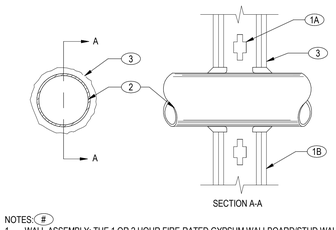
NOTES:
1. PIPING SUPPORTS SHALL MEET ALL STATE AND LOCAL SEISMIC RESTRAINT REQUIREMENTS.
2. COORDINATE ANCHORAGE REQUIREMENTS WITH STRUCTURAL DESIGN.
3. PROVIDE SEISMIC CABLE TRANSVERSE BRACING AT 40 FEET. AND EACH CHANGE OF DIRECTION.
4. SEISMIC CABLE LONGITUDINAL BRACING AT 80 FEET. AND EACH CHANGE OF DIRECTION.
5. MAXIMUM ROD SPAN BETWEEN SUPPORTS IS 10'. CLOSER SPAN AS REQUIRED BY SPECIFICATIONS AND SMACNA.
6. PROVIDE TRANSVERSE AND LONGITUDINAL BRACES AT 40 FEET MAXIMUM FOR PIPES SMALLER THAN 4 IN. AND AT 20 FEET MAXIMUM FOR PIPES 4 TO 8 INCHES.
7. SEISMIC CABLE RESTRAINTS ARE NOT REQUIRED AT EVERY HANGER LOCATION. VERTICAL HANGERS, DIAGONAL AND HORIZONTAL BRACES TO BE SIZED IN ACCORDANCE WITH SMACNA SEISMIC RESTRAINT MANUAL.
8. SEISMIC BRACING REQUIRED FOR PIPE SIZE 2-1/2" AND LARGER.

3 PIPE SUPPORTS
SCALE: NONE



NOTES: (#)
1. FLOOR ASSEMBLY: LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF) CONCRETE, MINIMUM THICKNESS IS 4-1/2". MAXIMUM 12-3/4" DIAMETER OPENING IN SOLID LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE.
1A. STEEL SLEEVE (OPTIONAL, NOT SHOWN): MAXIMUM 12" ID (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL SLEEVE CAST OR GROUTED INTO FLOOR ASSEMBLY FLUSH WITH FLOOR SURFACES.
2. THROUGH PENETRANT: ONE METALLIC PIPE OR TUBE TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. MAXIMUM ANNULAR SPACE BETWEEN PIPE OR TUBING AND EDGE OF THROUGH OPENING OR SLEEVE IS DEPENDENT ON THE INSTALLATION INSTRUCTIONS. MINIMUM ANNULAR SPACE BETWEEN PIPE OR TUBING AND EDGE OF THROUGH OPENING IS 0" OR POINT CONTACT. PIPE OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPE OR TUBING MAY BE USED:
   A. STEEL PIPE: NOMINAL 10" (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
   B. IRON PIPE: NOMINAL 10" (OR SMALLER) CAST OR DUCTILE IRON PIPE.
   C. COPPER TUBING: NOMINAL 4" (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBE.
   D. COPPER PIPE: NOMINAL 4" (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
3. PACKING MATERIAL: MINIMUM 1" THICKNESS OF 4 PCF MINERAL WOOL BATT INSULATION FIRMLY PACKED INTO OPENING AS A PERMANENT FORM. PACKING MATERIAL TO BE RECESSED FROM TOP SURFACE OF FLOOR TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL.
4. FILL, VOID OR CAVITY MATERIAL-CAULK OR SEALANT: MINIMUM 1" THICKNESS OF CAULK APPLIED WITHIN THE ANNULUS, FLUSH WITH TOP SURFACE OF FLOOR.
5. DUCT WRAP MATERIAL: NOMINAL 2" THICK DUCT WRAP TIGHTLY WRAPPED AROUND THE PENETRANT TO EXTEND 36" ABOVE FLOOR. AN ADDITIONAL LAYER OF NOMINAL 2" THICK DUCT WRAP TIGHTLY WRAPPED AROUND THE FIRST LAYER OF DUCT WRAP TO EXTEND 12" MINIMUM ABOVE FLOOR. ALL LONGITUDINAL SEAMS OF BOTH LAYERS OF DUCT WRAP ARE SEALED WITH FOIL TAPE.
6. 3M SYSTEM #F-A-1057. F=2 HOUR. T=2 HOUR, L AT AMBIENT=2-CFM/SQ-FT. L AT 400°F=LESS THAN 1-CFM/SQ-FT BC1

2 PIPE PENETRATION CONCRETE FLOOR 2 HR
SCALE: NONE



NOTES: (#)
1. WALL ASSEMBLY: THE 1 OR 2 HOUR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES WALL OR 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 (MAX 2 HR FIRE RATED ASSEMBLIES) OR STEEL CHANNEL STUDS.
   B. GYPSUM BOARD-NOMINAL 5/8" THICK. THE GYPSUM WALLBOARD 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.
2. THROUGH PENETRANT: ONE METALLIC PIPE OR TUBE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPE, CONDUIT OR TUBING AND PERIPHERY OF OPENING SHALL BE MIR OF 0" TO 2". PIPE OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES OR TUBING MAY BE USED:
   A. STEEL PIPE: MAXIMUM 12" DIAMETER STEEL PIPE.
   B. IRON PIPE: MAXIMUM 12" CAST IRON OR DUCTILE IRON PIPE.
   C. COPPER TUBING: MAXIMUM 6" TYPE L OR HEAVIER COPPER TUBING OR COPPER PIPE.
   D. FLEXIBLE METAL PIPING: MAXIMUM 2" DIAMETER AS ALLOWED BY UL LISTING.
3. FILL, VOID OR CAVITY MATERIAL-CAULK OR SEALANT: MINIMUM 5/8" OR 5/8" THICKNESS OF CAULK FOR 1 AND 2 HOUR RATED ASSEMBLIES, RESPECTIVELY, APPLIED WITHIN ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. DIAMETER BEAD OF CAULK APPLIED TO GYPSUM BOARD/PENETRANT INTERFACE AT POINT MINIMUM 1/4 CONTACT LOCATION ON BOTH SIDES OF WALL. THE HOURLY F RATING AND T RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED AS TESTED AND LISTED BY PRODUCT MANUFACTURER. T=0 HOUR FOR PIPE DIAMETER GREATER THAN 1".
4. 3M SYSTEM #W-L-1001.

1 PIPE PENETRATION FRAMED WALL 2 HR
SCALE: NONE

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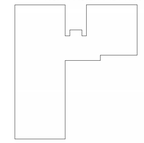

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Russell Rocker

HCAI APPROVAL

12/11/2024

NO	DESCRIPTION	DATE
BC1	BACKCHECK#1	12/13/2024

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HGA NO: 3707-016-00

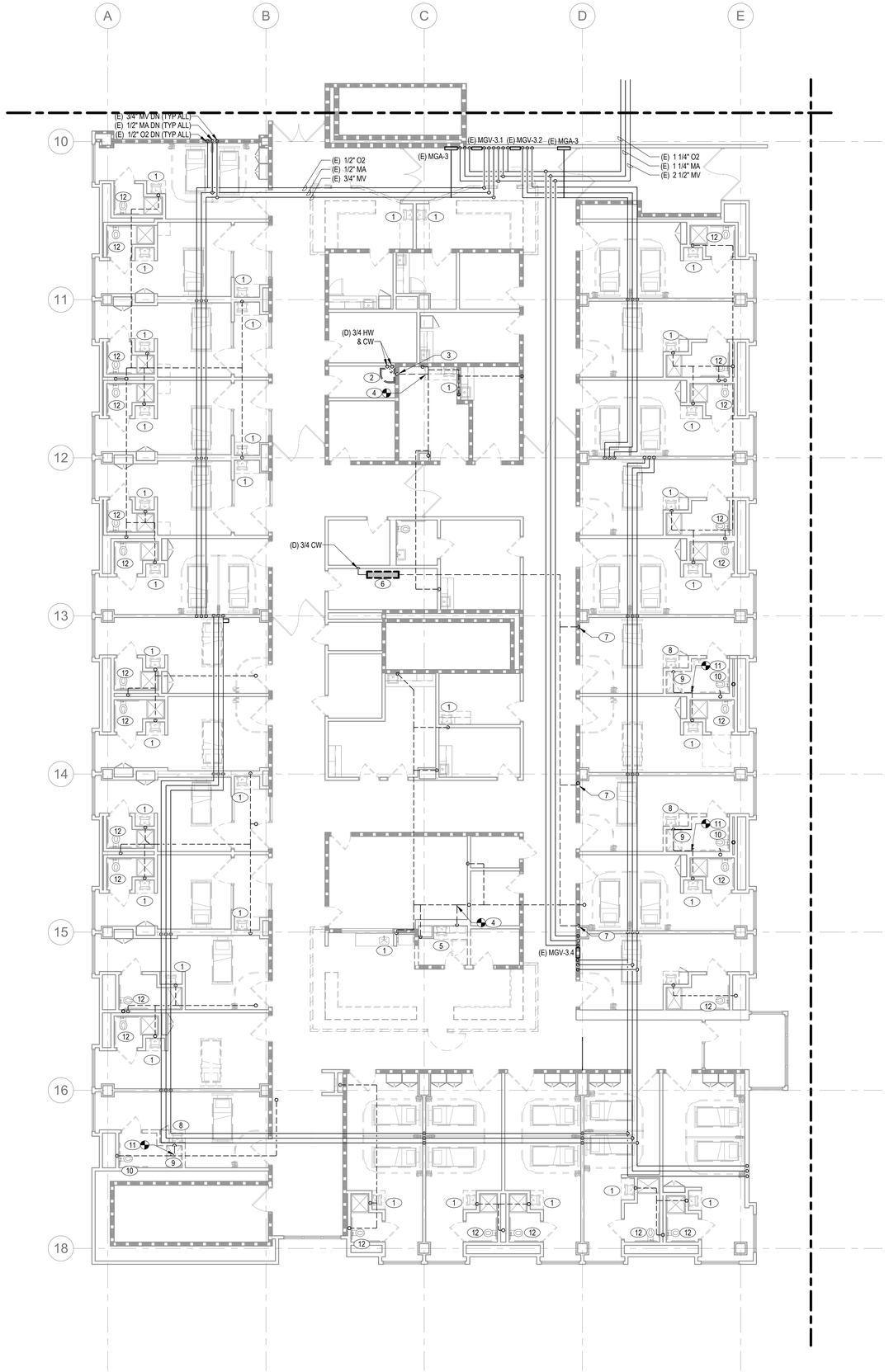
SCHEDULES & DETAILS

DATE: APRIL, 16, 2024

CONSTRUCTION DOCUMENTS

P002

CONSTRUCTION DOCUMENTS



1 LEVEL 03 - PLUMBING DEMOLITION PLAN

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

0 8' - 0" 16' - 0" 24' - 0" 32' - 0"

SHEET NOTES

A. EXISTING ROUTING SHOWN IS BASED ON AS-BUILTS PROVIDED DURING DESIGN. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCING WORK; THIS INCLUDES VERIFYING THE EXISTING SIZES AND ROUTING OF DOMESTIC WATER AND SANITARY WASTE SYSTEMS. ADDITONAL FITTINGS, OFFSETS, AND MATERIALS MAY BE REQUIRED TO CONNECT TO EXISTING SYSTEMS. NOTIFY ARCHITECT AND ENGINEER IF CONNECTION CANNOT BE ACHIEVED.
B. DURING DEMOLITION, INSPECT EXISTING SYSTEM(S), AND REPORT ANY DEFECTS OR DEFICIENCIES TO THE OWNER.
C. COORDINATE ANY ROOM, UTILITY, OR SANITARY SHUTDOWNS WITH OWNER. CONTRUCTION NOT TO INTERRUPT OWNER NORMAL OPERATIONAL HOURS. PROVIDE MINIMUM 48-HOUR NOTICE.
D. EXISTING RISERS TO EACH FLOOR TO REMAIN, AND BE MODIFIED AS NECESSARY TO ALLOW FOR NEW CONSTRUCTION IN EACH AREA. REPORT ANY SIZING DISCREPANCIES TO ARCHITECH AND ENGINEER OF RECORD IMMEDIATELY.
E. EXISTING STORM PIPING TO REMAIN. INSPECT AND REPAIR ANY DEFICIENCIES OR DAMAGE DISCOVERED.
F. CONTACTOR TO REPAIR DAMAGE TO ALL WALL AND FLOOR SURFACES IN PREPARATION FOR NEW WORK WITHIN SPACE.

KEYED NOTES (#)

1. DEMOLISH AND REMOVE EXISTING SINK AND ALL ASSOCIATED APPURTENANCES. CONTRACTOR IS TO DEMOLISH AND REMOVE OBSOLETE UTILITY PIPING BACK TO WALL AND MAKE READ FOR REUSE BY NEW SINK.
2. DEMOLISH AND REMOVE EXISTING MOP SINK AND ALL ASSOCIATED APPURTENANCES. CONTRACTOR IS TO DEMOLISH AND REMOVE ALL EXISTING DOMESTIC HOT AND COLD WATER PIPING BACK TO MAIN. NO DEADLEGS SHALL BE PERMITED. DEMOLISH AND REMOVE SANITARY WASTE PIPING BACK TO RISER, AND PREPARE RISER FOR REUSE BY FUTURE FIXTURE.
3. CONFIRM IF MOP SINK RISER IS LOCATED HERE. IF NOT, REPORT BACK TO ENGINEER OF RECORD.
4. DEMOLISH AND REMOVE EXISTING VENT PIPING BACK TO MAIN. CONTRACTOR TO CAP AT MAIN.
5. DEMOLISH AND REMOVE EXISTING SINK AND ALL ASSOCIATED APPURTENANCES. CONTRACTOR IS TO DEMOLISH AND REMOVE ALL EXISTING DOMESTIC HOT AND COLD WATER PIPING BACK TO MAIN. NO DEADLEGS SHALL BE PERMITED. DEMOLISH AND REMOVE SANITARY WASTE PIPING BACK TO MAIN AND CAP.
6. DEMOLISH AND REMOVE EXISTING DIALYSIS MACHINE AND ALL ASSOCIATED APPURTENANCES. CONTRACTOR IS TO DEMOLISH AND REMOVE ALL EXISTING DOMESTIC COLD WATER PIPING BACK TO MAIN. NO DEADLEGS SHALL BE PERMITED. DEMOLISH AND REMOVE ANY ASSOCIATED INDIRECT WASTE RECEPTORS AND THEIR SANITARY WASTE AND VENT PIPING BACK TO MAIN. CAP AT MAIN.
7. EXISTING 1/2" DIALYSIS WATER DROP IN WALL TO REMAIN. CONTRACTOR TO ENSURE THAT PIPING IS PROPERLY DRAINED BEFORE CAPPING PIPING IN CEILING AND REMOVING EQUIPMENT POINT OF CONNECTION IN PATIENT ROOM.
8. DEMOLISH AND REMOVE EXISTING SINK AND ALL ASSOCIATED APPURTENANCES. CONTRACTOR IS TO DEMOLISH AND REMOVE OBSOLETE UTILITY PIPING SO AS NOT TO INTERFER WITH NEW SINK LOCATION. CONTRACTOR TO PREPARE DOMESTIC HOT AND COLD WATER TO SERVICE NEW SINK AND NEW SHOWER.
9. DEMOLISH AND REMOVE EXISTING SHOWER AND ALL ASSOCIATED APPURTENANCES. DEMOLISH AND REMOVE SANITARY WASTE PIPING BACK TO MAIN AND CAP.
10. DEMOLISH AND REMOVE EXISTING WATER CLOSET AND ALL ASSOCIATED APPURTENANCES. CONTRACTOR IS TO DEMOLISH AND REMOVE OBSOLETE UTILITY PIPING BACK TO WALL AND MAKE READ FOR REUSE BY NEW WATER.
11. DEMOLISH AND REMOVE EXISTING VENT PIPING BACK TO MAIN AND BE PREPARED FOR REUSE BY NEW FIXTURES.
12. CONTRACTOR TO TEMPORARILY REMOVE AND STORE SAFELY WATER CLOSET. FIXTURE TO BE REINSTALLED ONCE RENOVATION WORK IS COMPLETED IN PATIENT ROOM RESTROOM. ANY DAMAGE OR DESTRUCTION SUSTAINED BY WATER CLOSET WILL BE AT THE CONTRACTOR'S EXPENSE AND WILL NEED TO BE REPLACED AT NO ADDITIONAL COST TO THE OWNER.

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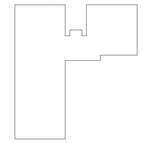
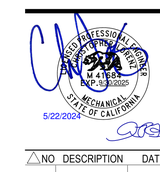
HCAI FACILITY ID: 17353



KEYPLAN

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
4/9/2025, 1:09:36 PM
S240593-27-00
Russell Rocker

HCAI APPROVAL



5/22/2024

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

LEVEL 3 - PLUMBING DEMOLITION PLAN

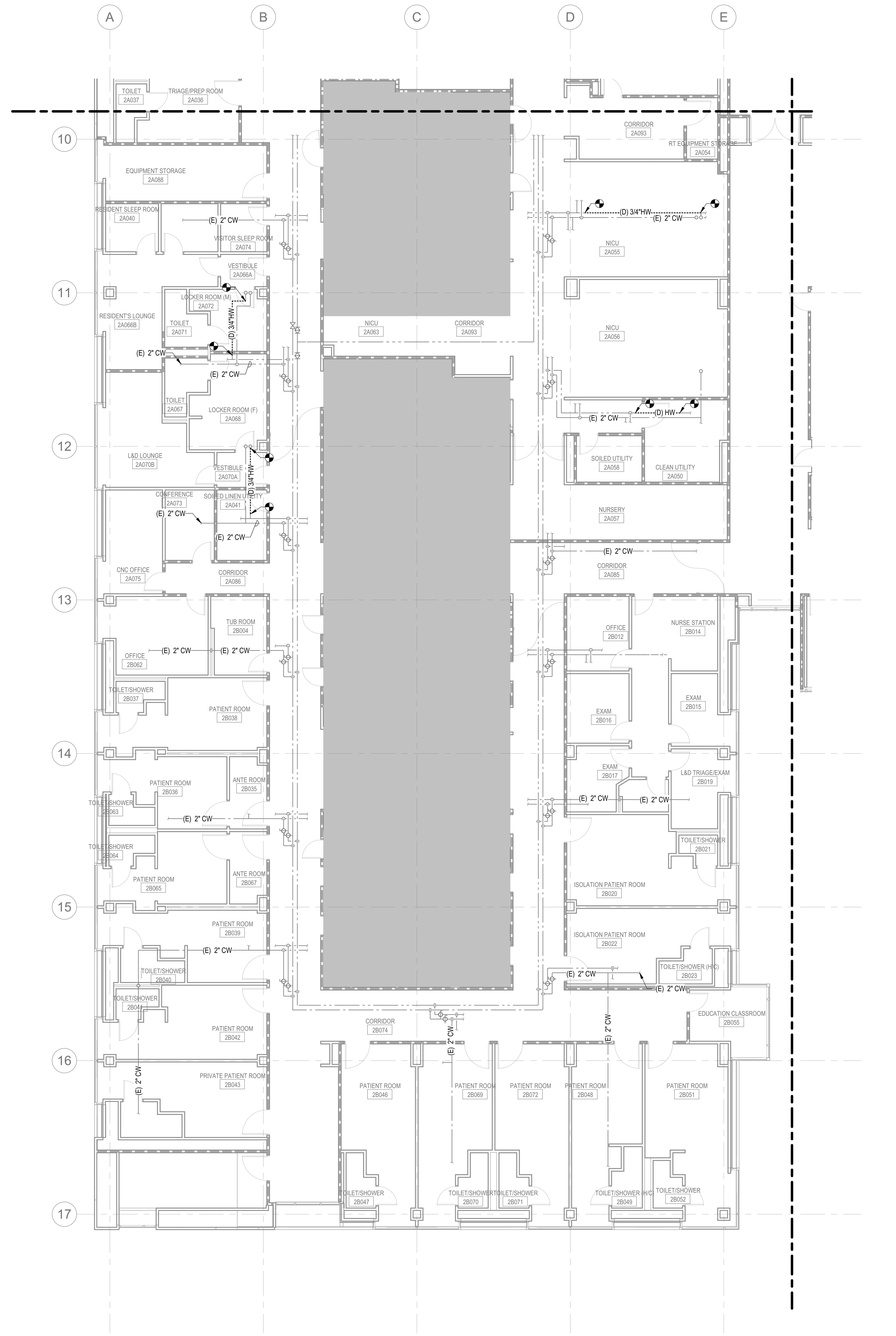
DATE: APRIL, 16, 2024

CONSTRUCTION DOCUMENTS

P101

CONSTRUCTION DOCUMENTS

Author 4/17/2024 10:43:54 AM Autodesk Docs://Natividad Med Bldng 3 Unit 3707-016-00NMC Med Surg 1MEP_V22.rvt



1 **LEVEL 02 - PLUMBING DEMOLITION PLAN**

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

0 8' - 0" 16' - 0" 24' - 0" 32' - 0"

SHEET NOTES

A. EXISTING ROUTING SHOWN IS BASED ON AS-BUILTS PROVIDED DURING DESIGN. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCING WORK; THIS INCLUDES VERIFYING THE EXISTING SIZES AND ROUTING OF DOMESTIC WATER AND SANITARY WASTE SYSTEMS. ADDITONAL FITTINGS, OFFSETS, AND MATERIALS MAY BE REQUIRED TO CONNECT TO EXISTING SYSTEMS. NOTIFY ARCHITECT AND ENGINEER IF CONNECTION CANNOT BE ACHIEVED.
B. DURING DEMOLITION, INSPECT EXISTING SYSTEM(S), AND REPORT ANY DEFECTS OR DAMAGE TO THE OWNER.
C. COORDINATE ANY ROOM AND UTILITY SHUTDOWNS WITH OWNER. CONTRUCTION NOT TO INTERRUPT OWNER NORMAL OPERATIONAL HOURS. PROVIDE MINIMUM 48-HOUR NOTICE.
D. EXISTING RISERS TO EACH FLOOR TO REMAIN, AND BE MODIFIED AS NECESSARY TO ALLOW FOR NEW CONSTRUCTION IN EACH AREA. REPORT ANY SIZING DISCREPANCIES TO ARCHITECH AND ENGINEER OF RECORD IMMEDIATELY.
E. EXISTING STORM PIPING TO REMAIN. INSPECT AND REPAIR ANY DEFICIENCIES OR DAMAGE DISCOVERED.
F. CONTACTOR TO REPAIR DAMAGE TO ALL WALL AND FLOOR SURFACES IN PREPARATION FOR NEW WORK WITHIN SPACE.

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
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Office of Statewide Hospital Planning and Development
4/9/2025, 1:09:36 PM
S240593-27-00
Russell Rocker

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ELECTRICAL ENGINEER
INT-ELECT ENGINEERING

EQUIPMENT

INTERIOR ARCHITECT
GALLUN SNOW
1900 GRANT STREET, SUITE 750,
DENVER, CO. 80203
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NATIVIDAD MEDICAL CENTER

1441 CONSTITUTION BOULEVARD SALINAS, CA 93906

PROJECT SPECIFIC INFORMATION

Natividad MEDICAL CENTER

AREA A

KEYPLAN

3/21/2025

NO	DESCRIPTION	DATE
BC2	BACKCHECK#2	03/14/2025

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

LEVEL 2 - PLUMBING DEMOLITION PLAN

DATE: APRIL, 16, 2024

CONSTRUCTION DOCUMENTS

BC2 **P100**

CONSTRUCTION DOCUMENTS

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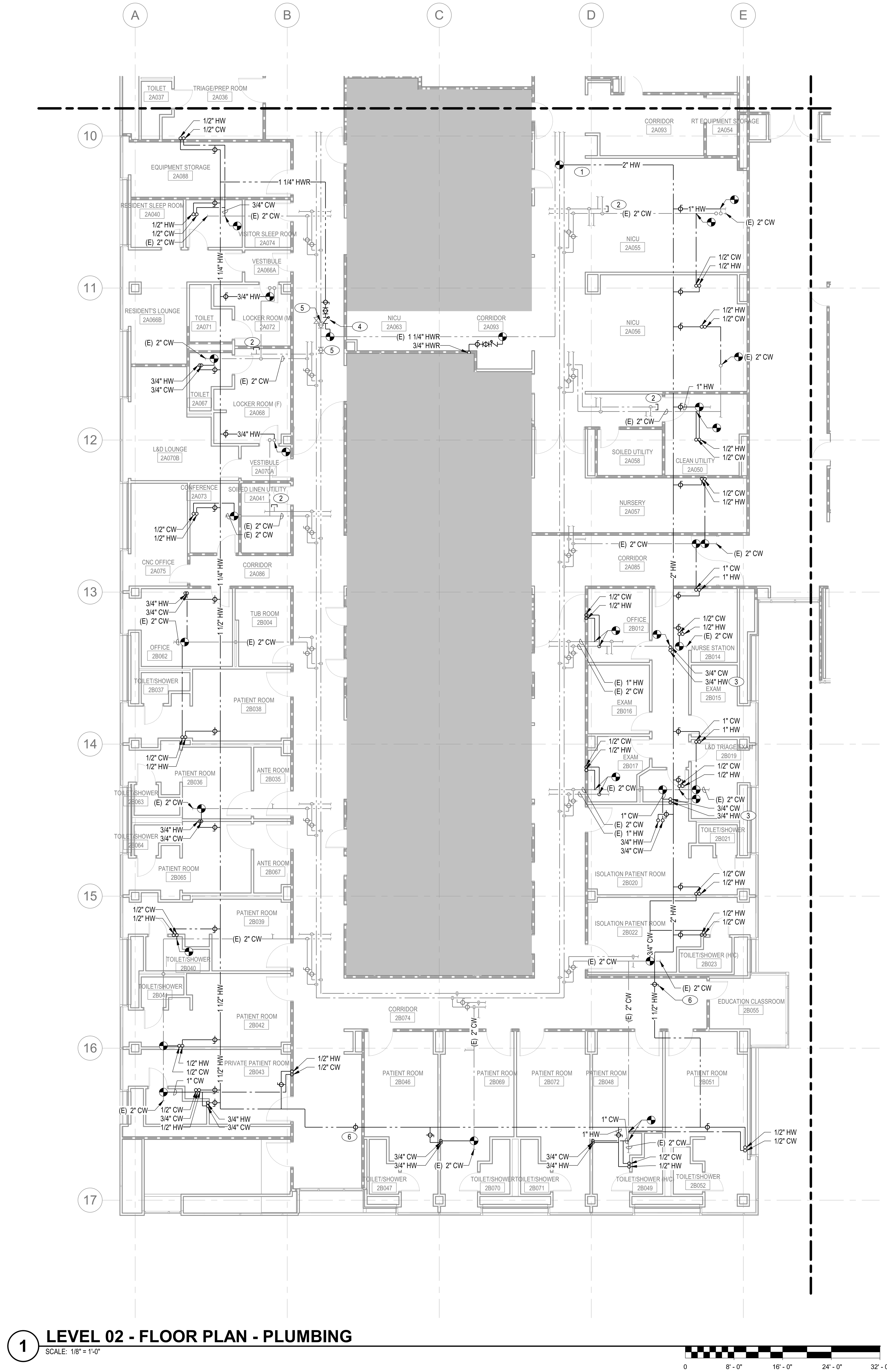

1 **LEVEL 02 - FLOOR PLAN - PLUMBING**

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

SHEET NOTES

A. EXISTING ROUTING SHOWN IS BASED ON AS-BUILTS PROVIDED DURING DESIGN. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCING WORK; THIS INCLUDES VERIFYING THE EXISTING SIZES AND ROUTING OF DOMESTIC WATER. ADDITONAL FITTINGS, OFFSETS, AND MATERIALS MAY BE REQUIRED TO CONNECT TO EXISTING SYSTEMS. NOTIFY ARCHITECT AND ENGINEER IF CONNECTIONS CANNOT BE ACHIEVED.
B. BASED OFF AS-BUILTS THAT WERE PROVIDED, ALL THIRD FLOOR DOMESTIC WATER IS SUPPLIED FROM THE SECOND FLOOR. COORDINATE AND VERIFY ALL DOMESTIC WATER PIPING CONNECTIONS BEFORE BEGINNING WORK. NOTIFY ARCHITECT AND ENGINEER IF THERE ARE ANY DISCREPANCIES OR CONNECTIONS CANNOT BE ACHIEVED.
C. SEE 600 SERIES SHEETS FOR SANITARY WASTE AND VENT ROUTING IN SECOND FLOOR CEILING.
D. COORDINATE ALL ROOM AND UTILITY SHUT-OFFS. CONTRUCTION NOT TO INTERRUPT OWNER NORMAL OPERATIONAL HOURS. PROVIDE MINIMUM 48-HOUR NOTICE.
E. EXISTING RISERS TO EACH FLOOR TO REMAIN, AND BE MODIFIED AS NECESSARY TO ALLOW FOR NEW CONSTRUCTION IN EACH AREA. REPORT ANY SIZING DISCREPANCIES TO ARCHITECH AND ENGINEER OF RECORD IMMEDIATELY.
F. EXISTING STORM PIPING TO REMAIN.
G. CONTACTOR TO REPAIR DAMAGE TO ALL WALL AND FLOOR SURFACES IN PREPARATION FOR NEW WORK WITHIN SPACE.

KEYED NOTES (#)

1. TIE-IN NEW HOT WATER MAIN. COORDINATE SHUTDOWNS, PRESSURE TEST, AND SANITIZATION AS REQUIRED BY PLUMBING CODE.
2. PROVIDE CAP TO DOMESTIC WATER SUPPLY LINE AT TEE. IF DIRECT CAPPING AT TEE IS NOT POSSIBLE, CAPPED PIPING AT TEE TO BE 6" MAXIMUM. ALL DEAD-LEGS TO BE MINIMIZED.
3. PROVIDE SHUT-OFF VALVE TO ALLOW FOR ISOLATION.
4. NEW HOT WATER RECIRCULATION LINE TO BE INSTALLED IN AREA THAT IS ACCESSIBLE BY OWNER MAINTENANCE TEAM. PROVIDE ACCESS PANEL IF INSTALLED IN HARD-LID CEILING.
5. CONTRACTOR TO REBALANCE CIRCUIT SETTERS (BALANCING VALVES) LOCATED NEAR NEW THERMOSTATIC BALANCING VALVE.
6. PROVIDE ACCESS PANEL IF HARDLID CEILING.

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
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Office of Statewide Hospital Planning and Development
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S240593-27-00
Russell Rocker

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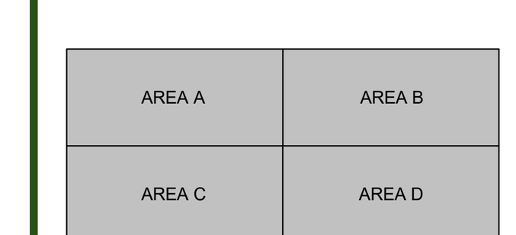
303.433.9500

NATIVIDAD MEDICAL CENTER

1441 CONSTITUTION BOULEVARD SALINAS, CA 93906

PROJECT SPECIFIC INFORMATION

Natividad MEDICAL CENTER



KEYPLAN

LICENSED PROFESSIONAL ENGINEER CHRISTOPHER LORENZ M 41684 EXP. 9/30/2025 MECHANICAL STATE OF CALIFORNIA
3/21/2025

NO	DESCRIPTION	DATE
BC2	BACKCHECK#2	03/14/2025

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

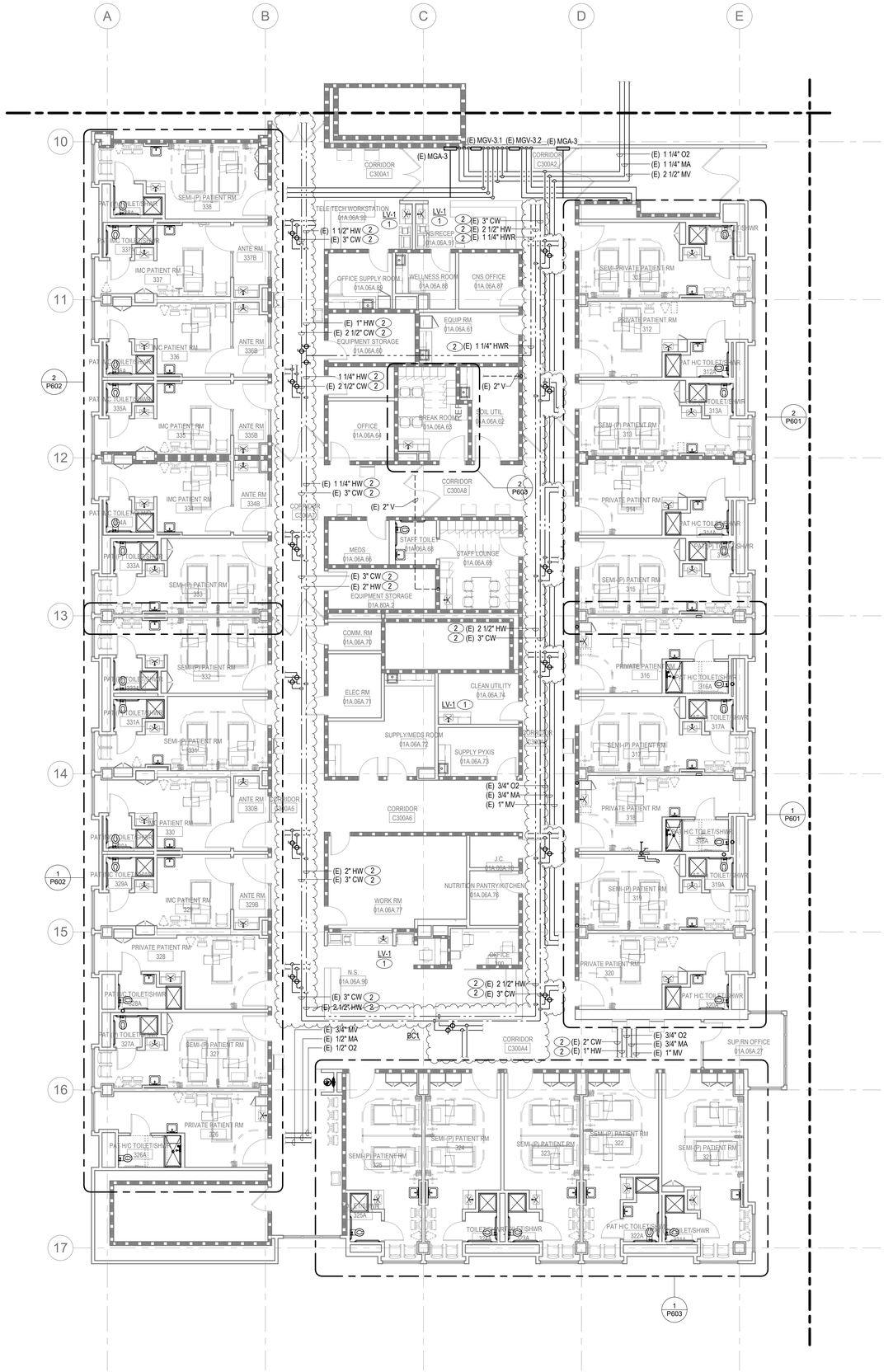
LEVEL 2 - PLUMBING PLAN

DATE: APRIL, 16, 2024

CONSTRUCTION DOCUMENTS

BC2 **P200**

CONSTRUCTION DOCUMENTS



1 **LEVEL 03 - PLUMBING PLAN**
SCALE: 1/8" = 1'-0"

0 8' - 0" 16' - 0" 24' - 0" 32' - 0"

SHEET NOTES

A. EXISTING ROUTING SHOWN IS BASED ON AS-BUILTS PROVIDED DURING DESIGN. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCING WORK; THIS INCLUDES VERIFYING THE EXISTING SIZES AND ROUTING OF DOMESTIC WATER AND SANITARY WASTE SYSTEMS. ADDITONAL FITTINGS, OFFSETS, AND MATERIALS MAY BE REQUIRED TO CONNECT TO EXISTING SYSTEMS. NOTIFY ARCHITECT AND ENGINEER IF CONNECTION CANNOT BE ACHIEVED.
B. BASED OFF AS-BUILTS THAT WERE PROVIDED, ALL THIRD FLOOR DOMESTIC UTILITY WATER IS SUPPLIED FROM THE SECOND FLOOR. COORDINATE AND VERIFY ALL DOMESTIC WATER PIPING CONNECTIONS BEFORE BEGINNING WORK. NOTIFY ARCHITECT AND ENGINEER IF THERE ARE ANY DISCREPANCIES OR CONNECTION CANNOT BE ACHIEVED.
C. ALL SANITARY WASTE PIPING IS TO BE ROUTED AT 1/4" PER LINEAR FOOT SLOPE, UNLESS OTHERWISE NOTED.
D. COORDINATE ANY ROOM, UTILITY, OR SANITARY SHUTDOWNS WITH OWNER. CONTRUCTION NOT TO INTERRUPT OWNER NORMAL OPERATIONAL HOURS. PROVIDE MINIMUM 48-HOUR NOTICE.
E. EXISTING RISERS TO EACH FLOOR TO REMAIN, AND BE MODIFIED AS NECESSARY TO ALLOW FOR NEW CONSTRUCTION IN EACH AREA. REPORT ANY SIZING DISCREPANCIES TO ARCHITECH AND ENGINEER OF RECORD IMMEDIATELY.
F. EXISTING STORM PIPING TO REMAIN.
G. CONTACTOR TO REPAIR DAMAGE TO ALL WALL AND FLOOR SURFACES IN PREPARATION FOR NEW WORK WITHIN SPACE.
H. MEDICAL GAS SCOPE IS LIMITED CONNECTION OF NEW HEADWALLS TO EXISTING OVERHEAD UTILITIEIS. ALL MEDICAL GAS EQUIPMENT, PIPING MAINS, AND BRANCHES ARE ASSUMED TO SUFFICIENTLY SIZED TO ACCOMMDATE NEW MEDICAL GAS OUTLETS WITHIN THE PATIENT ROOMS.

KEYED NOTES (#)

1. CONNECT NEW FIXTURE AND ALL APPURTENANCES INTO EXISTING UTILITIES. MODIFY AS REQUIRED TO ENSURE FIXTURE IS COMPLETE AND FULLY OPERATIONAL
2. PIPING IN SECOND FLOOR CEILING. BC1

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Natividad MEDICAL CENTER

NATIVIDAD MEDICAL CENTER

MEDICAL SURGERY DEPARTMENT LEVEL 3

1441 CONSTITUTION BOULEVARD
SALINAS, CA 93906

HCAI RECORD NUMBER:
S240593-27-00
HCAI FACILITY ID: 17353

KEYPLAN

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
4/9/2025, 1:09:36 PM
S240593-27-00
Russell Rocker

HCAI APPROVAL

M 41585
EXP. 03/31/2025
MECHANICAL
STATE OF CALIFORNIA
12/11/2024

NO	DESCRIPTION	DATE
BC1	BACKCHECK#1	12/13/2024

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

LEVEL 3 - PLUMBING PLAN

DATE: APRIL, 16, 2024

CONSTRUCTION DOCUMENTS

P201

CONSTRUCTION DOCUMENTS

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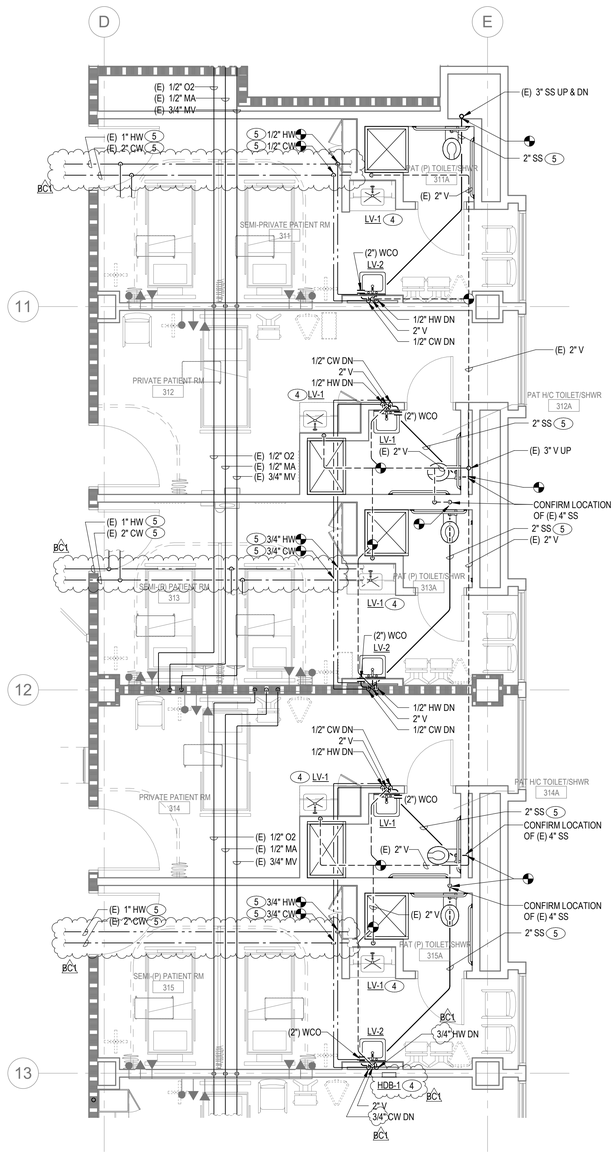
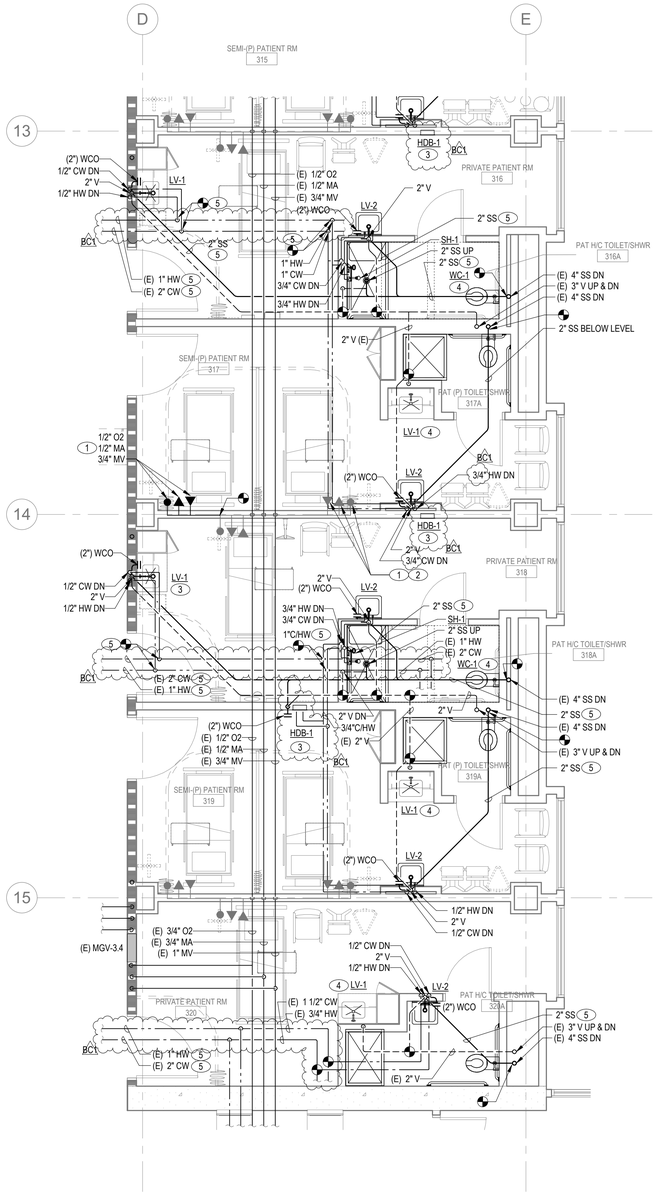


2 LEVEL 03 - PLUMBING ENLARGED PLAN

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

0 4' - 0" 8' - 0" 12' - 0" 16' - 0"



1 LEVEL 03 - PLUMBING ENLARGED PLAN

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

0 4' - 0" 8' - 0" 12' - 0" 16' - 0"

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B. BASED OFF AS-BUILTS THAT WERE PROVIDED, ALL THIRD FLOOR DOMESTIC UTILITY WATER IS SUPPLIED FROM THE SECOND FLOOR. COORDINATE AND VERIFY ALL DOMESTIC WATER PIPING CONNECTIONS BEFORE BEGINNING WORK. NOTIFY ARCHITECT AND ENGINEER IF THERE ARE ANY DISCREPANCIES OR CONNECTION CANNOT BE ACHIEVED.
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F. EXISTING STORM PIPING TO REMAIN.
G. CONTACTOR TO REPAIR DAMAGE TO ALL WALL AND FLOOR SURFACES IN PREPARATION FOR NEW WORK WITHIN SPACE.
H. MEDICAL GAS SCOPE IS LIMITED TO CONNECTION OF NEW HEADWALLS TO EXISTING OVERHEAD UTILITIEIS. ALL MEDICAL GAS EQUIPMENT, PIPING MAINS, AND BRANCHES ARE ASSUMED TO SUFFICIENTLY SIZED TO ACCOMMDATE NEW MEDICAL GAS OUTLETS WITHIN THE PATIENT ROOMS.
I. DOMESTIC WATER SCOPE IS LIMITED TO CONNECTION OF NEW PLUMBING FIXTURES INTO EXISTING MAINS, OR BRANCHES. ALL DOMESTIC WATER EQUIPMENT, PIPING MAINS, AND BRANCHES ARE ASSUMED TO SUFFICIENTLY SIZED TO ACCOMMDATE NEW PLUMBING FIXTURES WITHIN THE PATIENT ROOMS.
J. CONTRACTOR IS RESPONSIBLE FOR COORDINATING FINAL LOCATION OF HEMO-DIALYSIS (HDB-1) WITH ARCHITECT AND OWNER.

KEYED NOTES (#)

1. EXISTING MED GAS OUT/INLETS TO BE REUSED. MODIFY ROUTING TO ALLOW FOR CONNECTION INTO NEW HEAD WALL.
2. CONNECTION TO HEAD-WALLS BY VENDOR (IN CONTRACT). VENDOR (IN CONTRACT) TO PROVIDE SHOP DRAWINGS FOR REVIEW. OUTLETS IN ETS TO MATCH EXISTING.
3. HEMODIALYSIS UTILITY BOX WITH POINT-OF-CONNECTION. SEE DETAIL 4/P002 FOR FURTHER INFORMATION AND TIE-INS TO HANDWASH SINK.
4. CONNECT NEW FIXTURE AND ALL APPURTENANCES INTO EXISTING UTILITIES. MODIFY AS REQUIRED TO ENSURE FIXTURE IS COMPLETE AND FULLY OPERATIONAL.
5. PIPING IN SECOND FLOOR CEILING.

BC1

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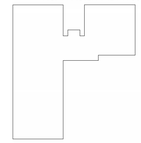
MEDICAL SURGERY DEPARTMENT LEVEL 3

1441 CONSTITUTION BOULEVARD
SALINAS, CA 93906

HCAI RECORD NUMBER:
S240593-27-00
HCAI FACILITY ID: 17353



KEYPLAN

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Office of Statewide Hospital Planning and Development
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S240593-27-00
Russell Rocker

HCAI APPROVAL

12/11/2024

△NO	DESCRIPTION	DATE
BC1	BACKCHECK#1	12/13/2024

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

ENLARGED PLANS

DATE: APRIL, 16, 2024

CONSTRUCTION DOCUMENTS

P601

CONSTRUCTION DOCUMENTS

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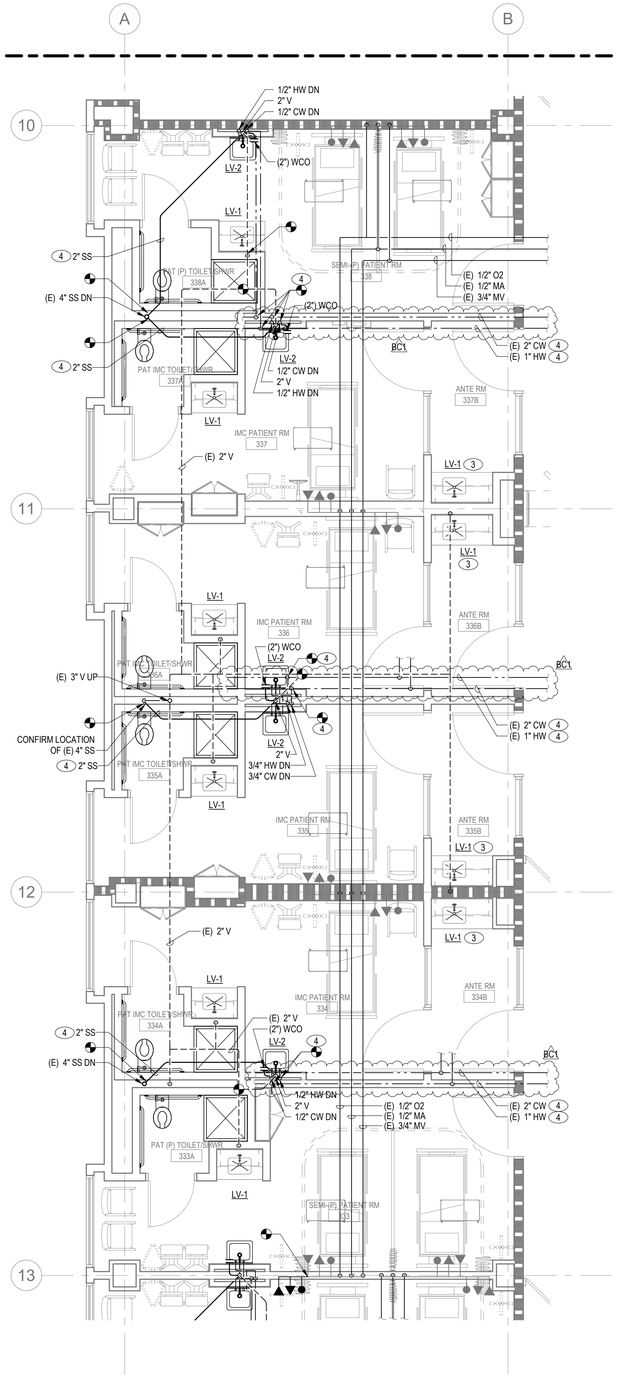
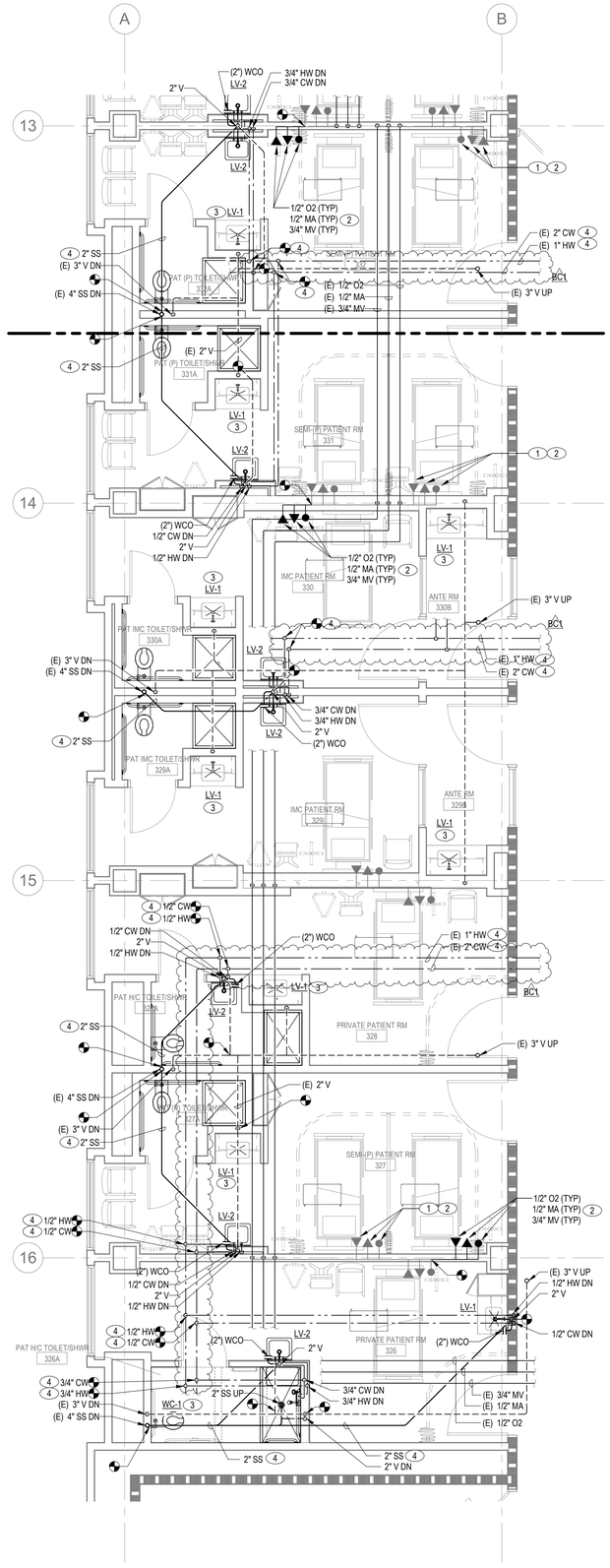


2 LEVEL 03 - PLUMBING ENLARGED PLAN

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

0 4' - 0" 8' - 0" 12' - 0" 16' - 0"



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KEYED NOTES (#)

1. EXISTING MED GAS OUT/INLETS TO BE REUSED. MODIFY ROUTING TO ALLOW FOR CONNECTION INTO NEW HEAD WALL.
2. CONNECTION TO HEAD-WALLS BY VENDOR (IN CONTRACT). VENDOR (IN CONTRACT) TO PROVIDE SHOP DRAWINGS FOR REVIEW. OUTLETS/INLETS TO MATCH EXISTING.
3. CONNECT NEW FIXTURE AND ALL APPURTENANCES INTO EXISTING UTILITIES. MODIFY AS REQUIRED TO ENSURE FIXTURE IS COMPLETE AND FULLY OPERATIONAL.
4. PIPING IN SECOND FLOOR CEILING. BC1

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MEDICAL SURGERY DEPARTMENT LEVEL 3

1441 CONSTITUTION BOULEVARD
SALINAS, CA 93906

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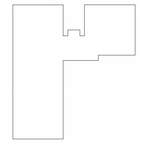

KEYPLAN

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Russell Rocker

HCAI APPROVAL

12/11/2024

NO	DESCRIPTION	DATE
BC1	BACKCHECK#1	12/13/2024

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

ENLARGED PLANS

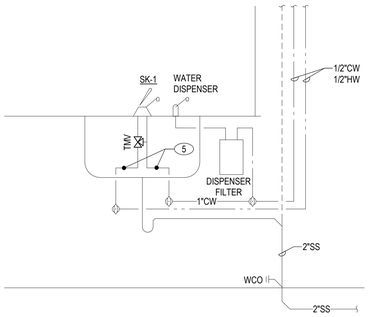
DATE: APRIL, 16, 2024

CONSTRUCTION DOCUMENTS

P602

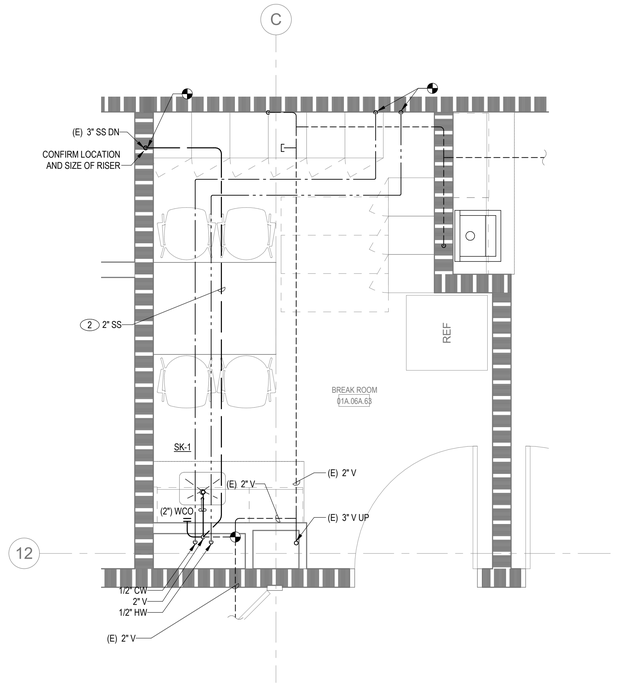
CONSTRUCTION DOCUMENTS

Author 12/11/2024 3:27:56 PM Autodesk Docs://Natividad Med Surg 3 Unit - 3707.016.00/MEP Mod Surg MEP_V22.rvt



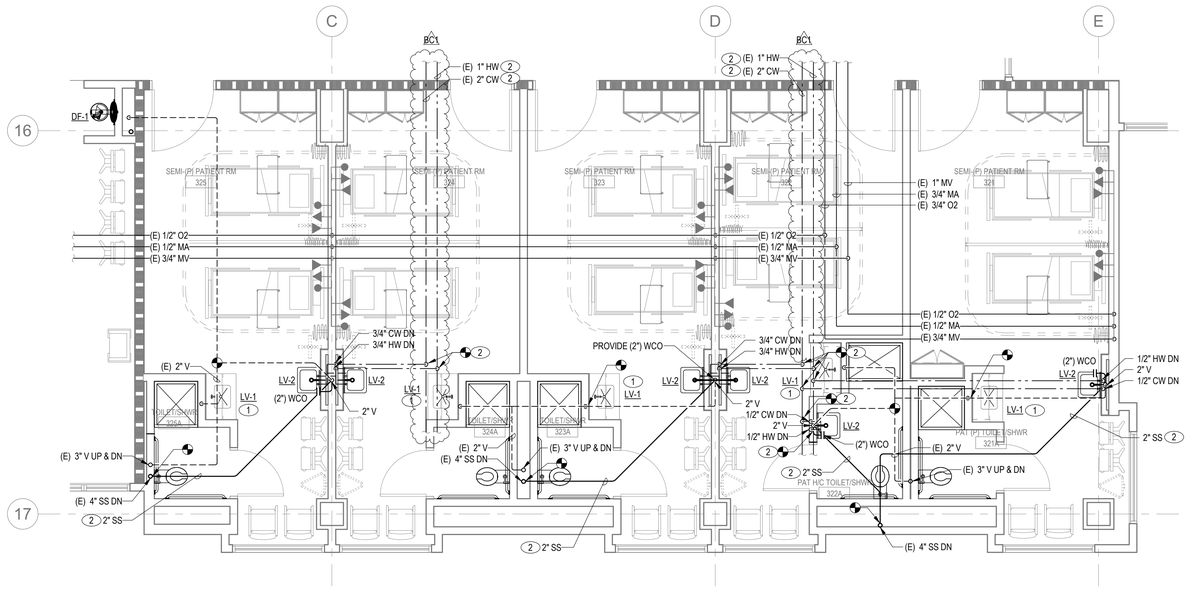
NOTES:
1. DETAIL IS DIAGARMATIC. CONTRACTOR TO COORDINATE FINAL EQUIPMENT LOCATION BASED OFF ARCHITECTURAL FLOOR PLANS. EQUIPMENT TO BE PROVIDED BY CONTRACTOR.
2. CONNECTION TO FIXTURE TO BE COPPER TUBING OR STAINLESS STEEL FLEX HOSE. PLASTIC TUBING NOT ALLOWED.

3 BREAKROOM DETAIL
SCALE: NONE



2 LEVEL 03 - PLUMBING ENLARGED PLAN
SCALE: 1/2" = 1'-0"

0 2' - 0" 4' - 0" 6' - 0" 8' - 0"



1 LEVEL 03 - PLUMBING ENLARGED PLAN
SCALE: 1/4" = 1'-0"

0 4' - 0" 8' - 0" 12' - 0" 16' - 0"

SHEET NOTES
A. EXISTING ROUTING SHOWN IS BASED ON AS-BUILTS PROVIDED DURING DESIGN. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCING WORK; THIS INCLUDES VERIFYING THE EXISTING SIZES AND ROUTING OF DOMESTIC WATER AND SANITARY WASTE SYSTEMS. ADDITONAL FITTINGS, OFFSETS, AND MATERIALS MAY BE REQUIRED TO CONNECT TO EXISTING SYSTEMS. NOTIFY ARCHITECT AND ENGINEER IF CONNECTION CANNOT BE ACHIEVED.
B. BASED OFF AS-BUILTS THAT WERE PROVIDED, ALL THIRD FLOOR DOMESTIC UTILITY WATER IS SUPPLIED FROM THE SECOND FLOOR. COORDINATE AND VERIFY ALL DOMESTIC WATER PIPING CONNECTIONS BEFORE BEGINNING WORK. NOTIFY ARCHITECT AND ENGINEER IF THERE ARE ANY DISCREPANCIES OR CONNECTION CANNOT BE ACHIEVED.
C. ALL SANITARY WASTE PIPING IS TO BE ROUTED AT 1/4" PER LINEAR FOOT SLOPE, UNLESS OTHERWISE NOTED.
D. COORDINATE ANY ROOM, UTILITY, OR SANITARY SHUTDOWNS WITH OWNER. CONTRUCTION NOT TO INTERRUPT OWNER NORMAL OPERATIONAL HOURS. PROVIDE MINIMUM 48-HOUR NOTICE.
E. EXISTING RISERS TO EACH FLOOR TO REMAIN, AND BE MODIFIED AS NECESSARY TO ALLOW FOR NEW CONSTRUCTION IN EACH AREA. REPORT ANY SIZING DISCREPANCIES TO ARCHITECH AND ENGINEER OF RECORD IMMEDIATELY.
F. EXISTING STORM PIPING TO REMAIN.
G. CONTACTOR TO REPAIR DAMAGE TO ALL WALL AND FLOOR SURFACES IN PREPARATION FOR NEW WORK WITHIN SPACE.
H. MEDICAL GAS SCOPE IS LIMITED TO CONNECTION OF NEW HEADWALLS TO EXISTING OVERHEAD UTILITEIS. ALL MEDICAL GAS EQUIPMENT, PIPING MAINS, AND BRANCHES ARE ASSUMED TO SUFFICIENTLY SIZED TO ACCOMMDATE NEW MEDICAL GAS OUTLETS WITHIN THE PATIENT ROOMS.
I. DOMESTIC WATER SCOPE IS LIMITED TO CONNECTION OF NEW PLUMBING FIXTURES INTO EXISTING MAINS, OR BRANCHES. ALL DOMESTIC WATER EQUIPMENT, PIPING MAINS, AND BRANCHES ARE ASSUMED TO SUFFICIENTLY SIZED TO ACCOMMDATE NEW PLUMBING FIXTURES WITHIN THE PATIENT ROOMS.

KEYED NOTES (#)
1. CONNECT NEW FIXTURE AND ALL APPURTENANCES INTO EXISTING UTILITIES. MODIFY AS REQUIRED TO ENSURE FIXTURE IS COMPLETE AND FULLY OPERATIONAL.
2. PIPING IN SECOND FLOOR CEILING.

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Natividad MEDICAL CENTER

NATIVIDAD MEDICAL CENTER

MEDICAL SURGERY DEPARTMENT LEVEL 3

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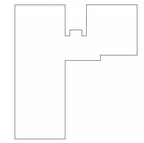
HCAI RECORD NUMBER:
S240593-27-00
HCAI FACILITY ID: 17353



KEYPLAN

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
4/9/2025, 1:09:36 PM
S240593-27-00
Russell Rocker

HCAI APPROVAL

12/11/2024

NO	DESCRIPTION	DATE
BC1	BACKCHECK#1	12/13/2024

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

ENLARGED PLANS

DATE: APRIL, 16, 2024

CONSTRUCTION DOCUMENTS

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SYMBOLS AND ABBREVIATIONS

SYMBOLS AND ABBREVIATIONS LISTED FOR GENERAL USE.
DISREGARD SYMBOLS THAT DO NOT APPEAR ON THE DRAWINGS.

LIGHT FIXTURES:

NUMERALS ADJACENT TO SYMBOL INDICATES CIRCUIT.
LOWER CASE LETTERS ADJACENT TO SYMBOL INDICATES CONTROL FROM CORRESPONDING SWITCH.

○	CEILING SURFACE OR PENDANT LIGHT FIXTURE AND OUTLET BOX.
○⊣	WALL MOUNT LIGHT FIXTURE AND OUTLET BOX.
□	CEILING RECESSED MOUNT LIGHT FIXTURE AND OUTLET BOX.
▭	LIGHT FIXTURE AND OUTLET BOX.
▭	LIGHT FIXTURE WIRED THROUGH FROM ADJACENT FIXTURE OR FLEX CONNECTION.
▨ ○ ◐	SHADING INDICATES FIXTURE CONNECTED TO EMERGENCY POWER.
↓⊗ ↓⊗⊣	EXIT FIXTURE. CEILING OR WALL MOUNTED. PROVIDE DIRECTIONAL ARROWS AS INDICATED.
⊗ ⊗⊣	SAME AS ABOVE AND CONNECTED TO EMERGENCY POWER SOURCE.

RECEPTACLES AND OUTLETS:

> ⚠ ALL ALTERED OR NEWLY INSTALLED ELECTRICAL OUTLETS SHALL BE ACCESSIBLE.
>
> SHALL BE NO MORE THAN 48 INCHES A.F.F. TO THE TOP OF DEVICE PLATE, AND NO LESS THAN 15 INCHES A.F.F. TO THE BOTTOM OF THE DEVICE PLATE.

WALL MOUNT AT +18" A.F.F. U.O.N.
NUMERALS ADJACENT TO SYMBOL INDICATES CIRCUIT.

	20 AMP, 125 VAC HOSPITAL GRADE RECEPTACLE; ARROW-HART #AH8300 (COLOR TO BE SELECTED), HUBBELL OR APPROVED EQUAL. COLOR OF DEVICE AND DEVICE PLATE SHALL MATCH THE EXISTING IN THE FACILITY.
	20 AMP, 125 VAC FOURPLEX HOSPITAL GRADE RECEPTACLE; (2) ARROW-HART #AH8300 (COLOR TO BE SELECTED) IN COMMON BOX, HUBBELL OR APPROVED EQUAL. COLOR OF DEVICE AND DEVICE PLATE SHALL MATCH THE EXISTING IN THE FACILITY.
GF	20 AMP, 125 VAC HOSPITAL GRADE DUPLEX RECEPTACLE AND GROUND FAULT INTERRUPTER. ARROW-HART #VGFH20, HUBBELL OR APPROVED EQUAL. COLOR OF DEVICE AND DEVICE PLATE SHALL MATCH THE EXISTING IN THE FACILITY.
GF	SAME AS ABOVE, EXCEPT MOUNT HORIZONTALLY ABOVE COUNTER BACKSPLASH.
	20 AMP, 125 VAC FLOOR MOUNTED DUPLEX RECEPTACLE AS DESCRIBED ON THE DRAWINGS.
	SPECIAL POWER RECEPTACLE AS DESCRIBED ON THE PLANS.
	ESSENTIAL SYSTEM 20 AMP, 125 VAC DUPLEX HOSPITAL GRADE RECEPTACLE; ARROW-HART #AH8300 (COLOR TO BE SELECTED), HUBBELL OR APPROVED EQUAL. COLOR OF DEVICE AND DEVICE PLATE SHALL MATCH THE EXISTING IN THE FACILITY. ENGRAVE THE DEVICE PLATE TO READ "EMERGENCY" AND FILL WITH RED PAINT.
	ESSENTIAL SYSTEM 20 AMP, 125 VAC FOURPLEX HOSPITAL GRADE RECEPTACLE; (2) ARROW-HART #AH8300 (COLOR TO BE SELECTED) IN COMMON BOX, HUBBELL OR APPROVED EQUAL. COLOR OF DEVICE AND DEVICE PLATE SHALL MATCH THE EXISTING IN THE FACILITY. ENGRAVE THE DEVICE PLATE TO READ "EMERGENCY" AND FILL WITH RED PAINT.
GF	ESSENTIAL SYSTEM 20 AMP, 125 VAC COMBINATION DUPLEX RECEPTACLE AND GROUND FAULT INTERRUPTER. ARROW-HART #VGFH20, HUBBELL OR APPROVED EQUAL. COLOR OF DEVICE AND DEVICE PLATE SHALL MATCH THE EXISTING IN THE FACILITY. ENGRAVE THE DEVICE PLATE TO READ "EMERGENCY" AND FILL WITH RED PAINT.
◀	WALL TELEPHONE OUTLET, 4" X 4" X 1-1/2" DEEP BOX WITH SINGLE GANG RING AND COVER PLATE.
◀	FLOOR TELEPHONE OUTLET AS DESCRIBED ON THE DRAWINGS.
◀	TELEPHONE OUTLET AS HEREINBEFORE DESCRIBED, WITH 3/4" C.O., CONCEALED UP IN WALL AND STUBBED ABOVE ACCESSIBLE CEILING.

MISCELLANEOUS:

⊖	NUMBER IN TOP HEMISPHERE IDENTIFIES DETAIL / DIAGRAM NUMBER. REFER TO DETAIL / DIAGRAM NUMBER SHOWN ON THE SHEET REFERENCED IN THE BOTTOM HEMISPHERE FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
	NUMBER IN BOTTOM HEMISPHERE IDENTIFIES DRAWING SHEET WHERE THE DETAIL DIAGRAM, ETC. IS SHOWN. REFER TO DETAIL / DIAGRAM NUMBER SHOWN ON THE SHEET REFERENCED IN THE BOTTOM HEMISPHERE FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
⬡	LIGHT FIXTURE IDENTIFICATION TAG, SEE "LIGHT FIXTURE SCHEDULE".
◇	SHEET NOTE IDENTIFICATION TAG, SEE "SHEET NOTES" ON THE RESPECTIVE DRAWINGS WHERE THE SYMBOL OCCURS, U.O.N.
⬭	POWER EQUIPMENT IDENTIFICATION TAG, SEE "EQUIPMENT SCHEDULE".
Ⓙ	JUNCTION BOX (NOT ALL SHOWN), SIZE AS REQUIRED BY CODE, WITH B.M.C.; BLANK STAINLESS STEEL COVER WHERE FLUSH IN FINISHED AREAS.
Ⓙ	SAME AS ABOVE. INTENDED FOR CONNECTION OF INDIVIDUAL PATIENT ROOM BRANCH CIRCUITS IN HALLWAY ACCESSIBLE CEILING.
Ⓓ	DATA OUTLET; 4" X 4" X 1-1/2" DEEP BOX WITH SINGLE GANG RING AND COVER PLATE WITH 3/4" C.O. UP IN WALL.
⬡	CIRCUIT BREAKER IDENTIFICATION TAG. INDENTIFIES OVERCURRENT PROTECTIVE. DEVICE INVOLVED IN SELECTIVE COORDINATION. REFER TO THE SINGLE LINE DIAGRAM AND THE SELECTIVE COORDINATION INFORMATION ON THESE DRAWINGS.

SWITCHES;

- SHALL BE 20 AMP, 120/277 VOLT, MOUNTED AT +48" A.F.F., U.O.N.
- LOWER CASE LETTERS INDICATE CONTROL CORRESPONDING WITH LETTERS AT LIGHT FIXTURES.
- "DECORATOR" STYLE, U.O.N.
- DEVICE & PLATE COLOR AS SELECTED BY THE ARCHITECT OR OWNER.

$a	S.P.S.T.; ARROW-HART #AH1221, HUBBELL OR APPROVED EQUAL.
$2	S.P.S.T.; ARROW-HART #AH1222, HUBBELL OR APPROVED EQUAL.
$3	3-WAY; ARROW-HART #AH1223, HUBBELL OR APPROVED EQUAL.
$4	4-WAY; ARROW-HART #AH1224, HUBBELL OR APPROVED EQUAL.
$K	AS INDICATED ABOVE, KEY OPERATED; ARROW-HART #2000 KEY, HUBBELL OR SLATER APPROVED EQUAL.
$P	AS INDICATED ABOVE, WITH "PILOT" LIGHTED RED HANDLE; ARROW-HART #PL SERIES, HUBBELL OR APPROVED EQUAL.
$T	MANUAL MOTOR STARTER, ENCLOSURE AND RATING TO SUIT LOCATION. MOUNT AT MAXIMUM 6'-6". IN FINISHED AREAS, SHALL BE FLUSH MOUNTED.
$TP	SAME AS ABOVE AND WITH PILOT LIGHT.
D	DIMMER SWITCH. RATINGS AS NOTES ON THE DRAWING.

DEVICES AND EQUIPMENT:

Ⓜ	MOTOR CONNECTION.
Ⓗ	HEATER CONNECTION.
	HEAVY DUTY FUSED SAFETY DISCONNECT SWITCH; ENCLOSURE, RATING TO SUIT LOCATION. FUSES TO SUIT EQUIPMENT NAMEPLATE DATA. "N.F." (WHEN SHOWN) DENOTES "NON-FUSED".
◪	CIRCUIT BREAKER IN SEPARATE ENCLOSURE TO SUIT LOCATION. RATING AS INDICATED ON THE DRAWINGS.
⊠	MAGNETIC MOTOR STARTER PER SPECIFICATIONS OR AS NOTED ON THE PLANS.
⊠◪	COMBINATION MAGNETIC MOTOR STARTER AND CIRCUIT BREAKER PER SPECIFICATIONS OR AS NOTED ON THE PLANS.
⊠	COMBINATION MAGNETIC MOTOR STARTER AND FUSED DISCONNECT SWITCH PER SPECIFICATIONS OR AS NOTED ON THE PLANS.
	"PACKAGED" MECHANICAL EQUIPMENT WITH INTEGRAL STARTER(S) AND CONTROL PANEL.
▬ ▬	BRANCH CIRCUIT PANELBOARD, FLUSH OR SURFACE MOUNT. SEE "PANEL SCHEDULES" FOR ADDITIONAL INFORMATION. COPPER BUSS AND "BOLT-ON" CIRCUIT BREAKERS, U.O.N.
▭ ▭	TERMINAL CABINET, FLUSH OR SURFACE MOUNT.
▨	MAIN SWITCHBOARD, MOTOR CONTROL CENTER, DISTRIBUTION PANEL OR OTHER MAJOR ITEM OF ELECTRICAL EQUIPMENT. COPPER BUSSES U.O.N.
T	VENTILATED DRY TYPE TRANSFORMER. COPPER WINDINGS AND AS OTHERWISE SPECIFIED.
	PUSHBUTTON STATION AS DESCRIBED ON THE DRAWINGS.

CONDUIT AND WIRING:

CROSSLINES INDICATES QUANTITY OF CONDUCTORS WHEN MORE THAN 2.
NO CROSSLINES INDICATES 2 #12 CONDUCTORS, OTHER SIZES OF CONDUCTORS INDICATED BY NOTATION. UNLESS OTHERWISE SPECIFIED, ALL CONDUITS SHALL BE GRS AND ALL CONDUCTORS SHALL BE 90 DEGREE C THHN / THWN COPPER, U.O.N. MINIMUM 0.75" CONDUIT.

#10	CONCEALED IN WALLS AND/OR CEILING.
	CONCEALED IN OR BELOW FLOORS AND IN WALLS.
— · — · —	EXPOSED WHERE ALLOWED. IN FINISHED AREAS, PAINT TO MATCH ADJACENT SURFACES.
	HOMERUN TO PANEL OR EQUIPMENT AS NOTED.
—<E>—	EXISTING.
	STUB AND CAP.
	TURNING UP OR DOWN (BETWEEN FLOORS).
—X—	CONDUIT (WITH OR WITHOUT CONDUCTORS) - REMOVE.

ABBREVIATIONS:

A.F.F.	ABOVE FINISHED FLOOR	G, GND	GROUND
B.C.	BARE COPPER	GRS	GALVANIZED RIGID STEEL
B.M.C.	BLANK METAL COVER	M.S.	MECHANICAL SECTION
CKT.	CIRCUIT	<N>	NEW
C	CONDUIT	N.I.C.	NOT IN CONTRACT
C.O.	"CONDUIT ONLY", WITH 3/16" DIAMETER NYLON PULL LINE.	N.T.S.	NOT TO SCALE
		P	POLE
<E>	EXISTING	<R>	REMOVE
EM	EMERGENCY	W.P.	WEATHERPROOF
F.A.	FIRE ALARM	U.L.	UNDERWRITERS LABORATORY
C.W.	COLD WATER	U.O.N.	UNLESS OTHERWISE NOTED
C.T.	CURRENT TRANSFORMER	D.CKT.	"DEDICATED CIRCUIT" ONLY THE DEVICE WITH THIS TAG SHALL BE ON A CIRCUIT BY ITSELF.
CONC.	CONCRETE		
GF	GROUND FAULT		

⚠ HCAI ALERT "TAG". INTENDED TO ASSIST HCAI (AND THE CONTRACTOR) IN LOCATING CERTAIN SPECIFIC INFORMATION ON THE DRAWINGS.

NOTE:
GENERALLY, SYMBOLS SHOWN DASHED ON DRAWINGS INDICATES THE SYMBOL (DEVICE, OUTLET, ETC.) TO BE REMOVED AS PART OF THE PROJECT SCOPE.

⚠ VOLTAGE DROP – BRANCH CIRCUITS

CONTRACTOR SHALL SIZE BRANCH CIRCUIT CONDUCTORS TO LIMIT VOLTAGE DROP TO 3% OR LESS.
CALCULATE LENGTHS AND LOADS NOT INCLUDED ON THIS TABLE.

BREAKER AMP RATING	120 VAC, 1 PHASE MAXIMUM LENGTH OF RUN (CU)			
	#12 AWG	#10 AWG	#8 AWG	#6 AWG
15	80 FEET	140 FEET	200 FEET	—
20	60 FEET	100 FEET	160 FEET	250 FEET
30	—	70 FEET	100 FEET	160 FEET
40	—	—	80 FEET	190 FEET
	277 VAC, 1 PHASE MAXIMUM LENGTH OF RUN (CU)			
	#12 AWG	#10 AWG	#8 AWG	#6 AWG
15	180 FEET	310 FEET	490 FEET	—
20	140 FEET	210 FEET	360 FEET	570 FEET
30	—	150 FEET	240 FEET	380 FEET
40	—	—	180 FEET	280 FEET

GENERAL NOTES

GENERAL;

THESE GENERAL NOTES ARE NOT INTENDED TO REPLACE THE TYPED ELECTRICAL SPECIFICATIONS AND ARE COMPLIMENTARY. THE TYPED SPECIFICATIONS ARE SPECIFICALLY AN INTEGRAL PART OF THESE PROJECT REQUIREMENTS AND SHALL BE STRICTLY ADHERED TO.

THE WORK, INFORMATION, DESIGNS, CONCEPTS AND IDEAS SHOWN ON THESE DRAWINGS IS SITE AND PROJECT SPECIFIC, AND IS INTENDED TO BE USED FOR THIS ONE PROJECT ONLY. NO WARRANTY IS EXPRESSED OR IMPLIED FOR ANY USE OR PURPOSE BEYOND THAT FOR WHICH THESE DRAWINGS WERE CREATED AND INTENDED.

READ THE SPECIFICATIONS AND COMPLY WITH ALL REQUIREMENTS CONTAINED THEREIN. CONSULT WITH THE GENERAL CONTRACTOR AND ALL OTHER CONTRACTORS ON THE PROJECT TO OBTAIN INFORMATION PERTINENT TO THE ELECTRICAL SYSTEM AND ALL EQUIPMENT WHICH REQUIRES ELECTRICAL POWER TO OPERATE. PROVIDE IN BID ALL MATERIALS AND WORKMANSHIP REQUIRED TO MAKE A COMPLETE AND OPERATIONAL FACILITY.

REVIEW ALL OTHER DRAWINGS AND SPECIFICATIONS. INCLUDE ALL MATERIALS AND WORKMANSHIP FOR ALL EQUIPMENT REQUIRING ELECTRICAL POWER.

THESE ELECTRICAL DRAWINGS, ALTHOUGH VARIOUS "SCALES" MAY BE LISTED, ARE NOT INTENDED TO BE, NOR ARE THEY "TO SCALE", AND THESE DRAWINGS SHALL NOT BE SCALED. "SCALES" SHOWN ARE APPROXIMATE ONLY. OBTAIN ALL DISTANCES FROM ACTUAL FIELD MEASUREMENTS AND FROM ARCHITECTURAL, CIVIL, STRUCTURAL AND SIMILAR DRAWINGS THAT ARE DIMENSIONED AND ARE INTENDED TO BE SCALED.

PERMITS AND CHARGES;

OBTAIN AND PAY FOR ALL NECESSARY CONSTRUCTION PERMITS, INSPECTION FEES, AND OTHER CHARGES BY AGENCIES HAVING JURISDICTION.

REGULATIONS AND CODES;

PROVIDE AND INSTALL ALL MATERIALS IN CONFORMANCE WITH THE CALIFORNIA ELECTRICAL CODE, AND ALL OTHER CODES AND REGULATIONS HAVING JURISDICTION. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE REQUIREMENTS OF THE INSPECTING AUTHORITY AND THE MANUFACTURERS RECOMMENDATIONS.

VERIFYING EXISTING CONDITIONS;

BEFORE SUBMITTING BID, BECOME THOROUGHLY FAMILIAR WITH ACTUAL EXISTING CONDITIONS AT THE PROJECT SITE. THE INTENT OF THE WORK IS SHOWN ON THE DRAWINGS AND DESCRIBED HEREINAFTER. BY THE ACT OF SUBMITTING A BID PROPOSAL FOR THE WORK, THE CONTRACTOR SHALL BE DEEMED TO HAVE MADE SUCH STUDY AND EXAMINATION AND TO ACCEPT ALL CONDITIONS PRESENT AT THE SITE. NO REQUEST FOR ADDITIONAL PAYMENT WILL BE CONSIDERED AS VALID, DUE TO FAILURE TO ALLOW FOR CONDITIONS WHICH MAY EXIST.

COORDINATION;

COORDINATE ALL WORK WITH OTHER TRADES. OBTAIN ALL DRAWINGS THAT WILL REQUIRE COORDINATION AND PROVIDE ALL ELECTRICAL CONNECTIONS REQUIRED WHETHER SHOWN ON ELECTRICAL DRAWINGS OR NOT.

ELECTRICAL EQUIPMENT LOCATIONS ARE SHOWN IN A DIAGRAMMATIC MANNER, EXACT LOCATION SHALL BE VERIFIED.

AS BUILT DRAWINGS;

PROVIDE REPRODUCIBLE RECORD DRAWINGS TO THE OWNER WITH ALL CHANGES NOTED THEREON AT THE COMPLETION OF THE PROJECT. THE PROJECT ACAD FILES SHALL ALSO BE UPDATED BY THE CONTRACTOR TO REFLECT "AS-BUILT" CONDITIONS. RECORD DRAWINGS AND AS-BUILTS ACAD FILES SHALL BE SIGNED AND DATED BY CONTRACTOR AND FURNISHED TO THE OWNER PRIOR TO RELEASE OF FINAL RETENTION OF ALL MONEYS.

GUARANTEE;

CONTRACTOR SHALL UNCONDITIONALLY GUARANTEE ALL LABOR AND MATERIALS ON ALL WORK AGAINST DEFECTS IN WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE YEAR.

SHOP DRAWINGS;

SUBMIT SHOP DRAWINGS AND MATERIAL LIST FOR REVIEW PRIOR TO COMMENCING ANY WORK. SHOP DRAWINGS MUST BE STAMPED BY THE CONTRACTOR CERTIFYING COMPLETE CONFORMANCE WITH ALL PROJECT REQUIREMENTS PRIOR TO SUBMITTAL.

U.L. LISTING;

ALL EQUIPMENT TO BEAR U.L. LABEL OR THAT OF ANOTHER ACCEPTABLE TESTING LABORATORY.

CONTRACTOR'S BID;

CONTRACTOR'S BID SHALL BE BASED ON ALL WORK SHOWN ON THE PLANS AND AS SPECIFIED. IF CONTRACTOR PROPOSES TO SUBSTITUE FOR EQUIPMENT SPECIFIED, HE SHALL SUBMIT HIS REQUEST IN WRITING FOR CONSIDERATION OF THE OWNER AND ENGINEER PRIOR TO BIDDING. SUBSTITUTIONS MUST BE REVIEWED BY THE ENGINEER.

MATERIAL AND INSTALLATION;

ALL WORK AND MATERIAL SHALL CONFORM TO THE LATEST RULES OF THE GOVERNING ELECTRICAL CODE AND INSTALLATION SHALL BE OF THE LATEST INDUSTRY STANDARDS OF WORKMANSHIP.

ALL MATERIALS SHALL BE NEW AND LISTED BY UNDERWRITERS LABORATORY (U.L.).

ALL ELECTRICAL EQUIPMENT OVER 48 VOLTS SHALL BE LABELED AND INSTALLED PER THE LISTING.

TELEPHONE / DATA / SIGNAL SYSTEMS;

PROVIDE OUTLET BOXES, RACEWAYS, AND ALL MATERIAL INCLUDING PULL LINE IN EACH RACEWAY.

POWER;

MC, BX OR AC90 SHALL NOT BE PERMITTED.

ALL EXPOSED BOXES, CONDUITS, FITTINGS, BOXES, HARDWARE, ETC. SHALL BE PAINTED OR OTHERWISE FINISHED AS DIRECTED BY THE ARCHITECT.

DEDICATED ELECTRICAL SPACE; ⚠

THE SPACE EQUAL TO THE WIDTH AND DEPTH OF THE EQUIPMENT AND EXTENDING FROM THE FLOOR TO A HEIGHT OF 1.8 M (6 FT) ABOVE THE EQUIPMENT OR TO THE STRUCTURAL CEILING, WHICHEVER IS LOWER, SHALL BE DEDICATED TO THE ELECTRICAL INSTALLATION. NO PIPING, DUCTS, LEAK PROTECTION APPARATUS, OR OTHER EQUIPMENT FOREIGN TO THE ELECTRICAL INSTALLATION SHALL BE LOCATED IN THIS ZONE.

METHOD OF PROCEDURE (AKA "M.O.P.");

THE CONTRACTOR SHALL DEVELOP AND SUBMIT TO THE OWNER FOR APPROVAL, A DETAILED METHOD OF PROCEDURE (AKA M.O.P.) WORKSHEET LISTING EACH STEP INVOLVED WITH EACH AND EVERY POWER OUTAGE / SHUT-DOWN.

THE M.O.P. SHALL LIST AND DESCRIBE EACH CIRCUIT AND PANEL INVOLVED TO BE SHUT-DOWN.

THE M.O.P. SHALL LIST START AND END TIME FOR EACH STEP AND THE PARTY RESPONSIBLE FOR EACH STEP. THE VARIOUS RESPONSIBLE PARTIES SHALL BE THE OWNER'S FACILITY ELECTRICIANS, THE I.O.R., THE ELECTRICAL CONTRACTOR AND THE INDIVIDUALS THAT MAY BE INVOLVED.

THE M.O.P. SHALL BE SUBMITTED AT LEAST THREE (3) WEEKS PRIOR TO THE REQUESTED SHUT-DOWN DATE. NO WORK INVOLVED FOR A POWER OUTAGE / SHUT DOWN SHALL BE INITIATED WITHOUT THE OWNER'S SPECIFIC WRITTEN APPROVAL.

PRIOR TO SUBMITTING THE M.O.P. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER TO DETERMINE THE EXTENT OF CIRCUITS, SYSTEMS AND PANELS THAT WILL BE INVOLVED IN EACH AND EVERY POWER OUTAGE / SHUT-DOWN.

CONDUITS;

CONDUIT SHALL BE GALVANIZED RIGID STEEL OR EMT TYPE AS SPECIFIED IN THE TYPED SPECIFICATIONS. CONDUIT SHALL BE MANUFACTURED IN ACCORDANCE WITH UL-1. A CODE SIZED GROUND WIRE IS REQUIRED IN ALL CONDUITS. BUSHINGS SHALL BE INSTALLED ON ALL COMMUNICATION, TELEPHONE, SPEAKER AND SIMILAR CONDUITS. PROVIDE A NYLON PULL STRING IN ALL EMPTY CONDUITS. FORGED STEEL SET SCREW FITTINGS. MINIMUM 0.75" CONDUIT.

SWITCHES AND RECEPTACLES;

SWITCHES AND RECEPTACLES SHALL BE SPECIFICATION GRADE 20 AMP NEMA RATED. ALL SWITCHES SHALL BE RATED FOR 120 AND/OR 277 VOLT. RECEPTACLES SHALL BE NEMA 5-20R U.O.N. ALL RECEPTACLES ON EXTERIOR OF BUILDINGS DESIGNATED WEATHER PROOF (WP) SHALL HAVE 'TYMAC' COVERS.

ALL WALL SWITCHES AND RECEPTACLES SHALL BE MOUNTED BETWEEN 18" AND 46" PER ADA REQUIREMENTS UNLESS SPECIFICALLY NOTED OTHERWISE.

DEVICE COLOR SHALL BE AS SELECTED BY THE ARCHITECT.

DEVICE PLATES SHALL BE AS SELECTED BY THE ARCHITECT.

BRANCH CIRCUITS IDENTIFICATION; ⚠

IDENTIFY BRANCH CIRCUITS WITH I.D. MAKERS, THE CORRESPONDING CIRCUIT DESIGNATION AT THE OVER-CURRENT DEVICE, AT ALL SPLICES, IN JUNCTION BOXES, AND IN OUTLETS. USE PLASTIC COATED SELF-STICKING MARKERS SUCH AS THOMAS AND BETTS E-Z CODE FOR INDENTIFICATION OF CONDUCTORS. IDENTIFY SIGNAL AND COMMUNICATION CABLES AT TERMINAL AND OUTLET.

CONDUCTORS;

PROVIDE INDIVIDUAL INSULATED COPPER CONDUCTORS #12 AWG MINIMUM UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS. PROVIDE STRANDED COPPER CONDUCTORS FOR ALL WIRING. CONDUCTORS SHALL HAVE 90 DEGREE C THHN/THWN 600 VOLTS INSULATION, UNLESS OTHERWISE NOTED.

GROUNDING & BONDING; ⚠

FURNISH AND INSTALL COMPLETE BONDING AND GROUNDING SYSTEM AS REQUIRED BY CODES. CONTINUITY OF GROUNDING SHALL BE MAINTAINED MECHANICALLY AND ELECTRICALLY THROUGHOUT THE SYSTEM. A GREEN GROUNDING CODE SIZED CONDUCTOR SHALL BE CARRIED IN ALL CONDUITS.

EXECUTION;

CAREFULLY PROTECT ALL WALLS, TRIM, FLOORS, EQUIPMENT UTILITY LINES AND MATERIALS. WHEN WORKING ON FINISHES SURFACES, LIMIT DAMAGE TO THE CONFINES AS MUCH AS POSSIBLE AND RESTORE TO THE ORIGINAL CONDITION ALL SURFACES WHICH ARE DAMAGED DUE TO THE INSTALLATION OF THIS WORK.

EQUIPMENT, MATERIALS AND SUPPLIES REMOVED FOR PROTECTION SHALL BE REPLACED IN ORIGINAL LOCATIONS. ANY MATERIALS DAMAGED SHALL BE REPLACED WITH NEW MATERIALS OF LIKE KIND AND QUALITY.

DO ALL DRILLING, CUTTING, CHANNELING AND PATCHING REQUIRED TO INSTALL ELECTRICAL WORK AS INDICATED OR HEREIN SPECIFIED. ALL HOLES, CURBS, ETC., IN FLOOR, CEILINGS AND WALLS SHALL BE PATCHED, UNLESS INDICATED OTHERWISE. PAINT ALL NEW ELECTRICAL RACEWAYS, CABINETS, ENCLOSURES AND FITTINGS PENETRATING INTO FIRE RATED ENVELOPES, SPACES, ETC.

ALL CONDUIT RUNS SHALL BE CONCEALED, UNLESS SHOWN OTHERWISE. PROVIDE A PULL WIRE IN ALL EMPTY CONDUITS.

ALL WORK SHOWN IS NEW UNLESS SPECIALLY INDICATED AS EXISTING. ALL ELECTRICAL EQUIPMENT MOUNTING AND ANCHORAGE MUST CONFORM WITH LOCAL AND STATE SEISMIC CODES.

INSTALLATION;

IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS THAT A COMPLETE AND WORKABLE ELECTRICAL INSTALLATION BE PROVIDED FOR ALL THE EQUIPMENT DESCRIBED OR SHOWN AS BEING IN THIS CONTRACT. TO THIS END, CONTRACTOR SHALL FURNISH ALL LABOR AND TOOLS NECESSARY AND FURNISH AND INSTALL ALL APPARATUS, MATERIALS AND EQUIPMENT IN A MANNER COMPLYING WITH ALL APPLICABLE CODES, INCLUDING ITEMS REQUIRED BUT NOT NORMALLY SHOWN, SUCH AS LAMPS, COUPLINGS, HANGERS, BRACKETS, CLAMPS, BOXES, CONNECTORS AND HARDWARE. REFER ALSO TO WRITTEN SPECIFICATIONS FOR GENERAL, MECHANICAL AND ELECTRICAL SECTIONS.

DETERMINE EXACT ROUTING OF FEEDERS AND BRANCH HOMERUNS IN COOPERATION WITH OTHER TRADES TO SIMPLIFY INSTALLATION WHEREVER POSSIBLE BUT SUBJECT TO APPROVAL OF ARCHITECT FOR VISUAL AND STRUCTURAL REASONS.

SIZE OUTLET BOXES IN CONFORMITY WITH CODE FOR NUMBER AND GAUGE OF CONDUCTORS THEREIN, EXCEPT WHERE NOTED TO BE LARGER. MINIMUM BOX SIZE SHALL BE 4" SQUARE BY 1-1/2" DEEP.

ALL ELECTRICAL WORK SHALL BE INSTALLED SO AS TO BE READILY ACCESSIBLE FOR OPERATING, SERVICING, MAINTAINING AND REPAIRING. ALL CONDUIT SHALL BE CONCEALED WHERE POSSIBLE. EXPOSED CONDUIT SHALL BE IN STRAIGHT LINES PARALLEL WITH, OR AT RIGHT ANGLES TO, COLUMN LINES OR BEAMS AND SEPARATED BY AT LEAST THREE(3) INCHES FROM WATER LINES WHENEVER THEY RUN ALONGSIDE OR ACROSS SUCH LINES. HANGERS SHALL BE FASTENED TO STEEL, CONCRETE OR MASONRY, BUT NOT TO PIPING. ALL HANGERS MUST BE UNIFORMLY SPACED AND NEATLY INSTALLED WITH NO EXCESS MATERIAL BEYOND WHAT IS REQUIRED FOR THE SUPPORT FUNCTION. CONTRACTOR SHALL SELECT ACCESSORIES AND HARDWARE WITH A SMOOTH, NEAT FINISHED APPEARANCE AND PAINT ALL EXPOSED CONDUIT HANGERS TO MATCH THE ADJACENT FINISHES.

DEMOLITION;

THE CONTRACTOR SHALL VISIT THE SITE AND REVIEW THE EXISTING CONDITIONS, REVIEW THE EXISTING DRAWINGS AND ALLOW FOR ALL DEMOLITION, ALTERATION AND NEW CONSTRUCTION THAT IS NECESSARY FOR COMPLETE INSTALLATION OF NEW CONSTRUCTION, INCLUDING BUT NOT LIMITED TO THE ELECTRICAL WORK.

REMOVE ALL ABANDONED WIRING, ELECTRICAL EQUIPMENT AND FIXTURES. SUCH ITEMS SHALL BE REMOVED FROM THE PREMISES.

EXISTING CONDUIT, FITTINGS, WIRE, ETC. REMOVED FROM THE EXISTING FACILITY SHALL NOT BE RE-USED UNLESS SPECIFICALLY APPROVED BY THE ARCHITECT. EXISTING CONDUIT, FITTINGS, WIRE, ETC., MAY BE RE-USED IN PLACE.

WHEREVER EXISTING WIRING, OUTLETS, OR EQUIPMENT IS ABANDONED AS RESULT OF THIS CONTRACT, IT SHALL BE REMOVED INSOFAR AS POSSIBLE. THIS INCLUDES BUT IS NOT LIMITED TO:

- REMOVE ALL WIRE AND CABLE. REMOVE ALL DEVICES AND EQUIPMENT. REMOVE ALL EXPOSED CONDUITS AS FAR AS POSSIBLE. CUT OFF AND CAP ALL ABANDONED CONDUITS. STUBS SHALL NOT BE EXTENDED ABOVE FLOOR. PROVIDE CLOSURE PLATES FOR ALL ABANDONED FLUSH OUTLETS.
- WHERE REMOVAL OF AN EXISTING OUTLET WILL RESULT IN LOSS OF CIRCUIT CONTINUITY, THE ISOLATED PORTIONS OF THE CIRCUIT SHALL BE RE-CONNECTED TO PROVIDE SERVICE TO ALL OUTLETS. IF SITE CONDITIONS MAKE RE-CONNECTION IMPOSSIBLE, CONNECTION SHALL BE MAKE FROM AN ADJACENT AVAILABLE OUTLET AS NOTED AND/OR AS DIRECTED.

REMOVE ELECTRICAL FIXTURES, OUTLETS, DEVICES, BOXES, EQUIPMENT, CONDUIT, CONDUCTORS, ETC. FROM EXISTING CONSTRUCTION BEING DEMOLISHED.

ALL MATERIAL AND LABOR SHALL BE INCLUDED WHETHER SUCH WORK IS SPECIFICALLY SHOWN ON THE PLANS OR NOT.

THE INFORMATION SHOWN ON THESE DRAWINGS AS "EXISTING" HAS BEEN OBTAINED FROM THE EXISTING AVAILABLE "AS-BUILT" AND OTHER DRAWINGS FROM OBSERVATIONS OF THE EXISTING SURFACE CONDITIONS. THE CONTRACTOR SHALL USE SUCH INFORMATION ACCORDINGLY AND WITH CAUTION.

SHOULD THE CONTRACTOR DISCOVER DISCREPANCIES IN THE "EXISTING" CONDITIONS SHOWN ON THESE DRAWINGS AND THE ACTUAL FIELD CONDITIONS, HE SHALL:

- IN THE EVENT OF MINOR DISCREPANCIES WHICH DO NOT EFFECT THE INTENT OF THE DESIGN OR CIRCUIT/PANEL LOADING, SHOWN AND DOCUMENT ACTUAL CONDITIONS ON "AS-BUILT" DRAWING WHICH THE CONTRACTOR SHALL PREPARE.
- IN THE EVENT OF MAJOR DISCREPANCIES WHICH EFFECT THE INTENT OR CIRCUIT/PANEL LOADING. DOCUMENT THE ACTUAL CONDITIONS ENCOUNTERED AND IMMEDIATELY CALL SUCH DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT AND INT-ELECT ENGINEERING, INCORPORATED. THE ARCHITECT AND ENGINEER SHALL ISSUE FURTHER DIRECTION AND/OR CLARIFICATIONS.

⚠ INTENT NOTE

THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS TO PERFORM CONSTRUCTION IN THE HOSPITAL BUILDING IN ACCORDANCE WITH CALIFORNIA BUILDING STANDARDS CODE, TITLES 19 AND 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 19 AND 24, CALIFORNIA CODE OF REGULATIONS, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY OSHP&D BEFORE PROCEEDING WITH THE WORK.

⚠ SPECIAL SEISMIC CERTIFICATION

THE SCOPE OF THE ELECTRICAL WORK ON THIS PROJECT:

☑ DOES NOT INCLUDE THE INSTALLATION OF EQUIPMENT THAT REQUIRES SPECIAL SEISMIC CERTIFICATION.

⚠ HOSPITAL WORK NOTES

1. FIRE STOPPING REQUIREMENTS:
   THROUGH-PENETRATIONS SHALL BE PROTECTED BY AN APPROVED 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 OF WATER AND SHALL HAVE AN F RATING OF NOT LESS THAN THE REQUIRED FIRE-RESISTANCE RATING OF THE WALL PENETRATED. (CBC 2022 SECTION 714.4.1.2)
   - SEE W-L-1001 FIRESTOP SYSTEM DETAIL 341/E401.

   FOR FLOOR PENETRATIONS – THE SYSTEM SHALL HAVE AN F RATING/T RATING OF NOT LESS THAN THE REQUIRED RATING OF THE FLOOR PENETRATED. FLOOR PENETRATIONS CONTAINED AND LOCATED WITHIN THE CAVITY OF WALL ABOVE OF BELOW THE FLOOR DO NOT REQUIRE A T RATING. (CBC 2022 SECTION 714.4.1.2)

   PENETRATIONS IN A SMOKE BARRIER (WALL AND FLOORS) SHALL BE TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF UL 1479 FOR AIR LEAKAGE AND SHALL HAVE AN L RATING. (CBC 2022 SECTION 714.5)

   THE CONTRACTOR SHALL MAINTAIN COPIES OF THE APPROVED LISTINGS ON THE JOB SITE FOR USE BY THE HCAI FIELD PERSONNEL.

   SPECIAL INSPECTIONS ARE REQUIRED PER PIN 67.
2. ALL EQUIPMENT AND MATERIALS REQUIRED OR PERMITTED BY THE ELECTRICAL CODE SHALL BE LISTED, LABELED OR CERTIFIED BY A NATIONALLY RECOGNIZED TESTING LABORATORY. THIS REQUIREMENT SPECIFICALLY APPLIES TO ALL EQUIPMENT MODIFIED AS A PART OF THIS PROJECT AS WELL AS ALL NEW EQUIPMENT.
3. ALL ELECTRICAL EQUIPMENT IN PATIENT AREAS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH REQUIREMENTS OF THE CALIFORNIA ELECTRICAL CODE.
4. PROVIDE A GREEN INSULATED COPPER GROUNDING CONDUCTOR IN ALL WIREWAYS AND CONDUITS, INCLUDING BUT NOT LIMITED TO THOSE SERVING ALL RECEPTACLES, LIGHTS SWITCHES, AND FIXED ELECTRICAL EQUIPMENT INCLUDING THOSE IN PATIENT CARE AREAS.
5. ALTERNATE SOURCE IDENTIFICATION:
   IDENTIFY ALL BOXES AND ENCLOSURES FOR ESSENTIAL SYSTEMS (BRANCHES). RECEPTACLES, SWITCHES, AND BOXES ON THE ESSENTIAL ELECTRICAL SYSTEM SHALL BE IDENTIFIED. ALL RECEPTACLES CONNECTED TO THE EMERGENCY SYSTEM AND ALL LIGHT SWITCHES CONTROLLING EMERGENCY LIGHTING SHALL BE IDENTIFIED IN A CONSPICUOUS AND PERMANENT MANNER BY USING RED COLORED DEVICES TO MATCH THE EXISTING IN THE BUILDING. PAINT OUTLET AND DEVICE BOXES RED INSIDE AND OUT.
6. APPLICABLE CODES:
   - **2022 CALIFORNIA ADMINISTRATIVE CODE (CAC)**
     – PART 1, TITLE 24, CCR CODE OF REGULATIONS
   - **2022 CALIFORNIA BUILDING CODE (CBC)**
     – PART 2, TITLE 24, CCR BASED ON THE 2021 INTERNATIONAL BUILDING CODE (IBC)
   - **2022 CALIFORNIA ELECTRICAL CODE (CEC)**
     – PART 3, TITLE 24, CCR BASED ON THE 2020 NATIONAL ELECTRICAL CODE (NEC)
   - **2022 CALIFORNIA MECHANICAL CODE (CMC)**
     – PART 4, TITLE 24, CCR BASED ON THE 2021 UNIFORM MECHANICAL CODE (UMC)
   - **2022 CALIFORNIA PLUMBING CODE (CPC)**
     – PART 5, TITLE 24, CCR BASED ON THE 2021 UNIFORM PLUMBING CODE (UPC)
   - **2022 CALIFORNIA FIRE CODE (CFC)**
     – PART 9, TITLE 24, CCR BASED ON THE 2021 INTERNATIONAL FIRE CODE (IFC)
7. ALL RECEPTACLES AND SWITCHES, INCLUDING THOSE IN CRITICAL CARE PATIENT AREAS SHALL BE MARKED WITH PANEL AND CIRCUIT NUMBER SUPPLYING THEM.
8. ALL EMERGENCY WIRING SYSTEMS IN PATIENT AREAS SHALL BE INSTALLED IN NON-FLEXIBLE METALLIC RACEWAY.
9. SEISMIC BRACING:
   THE PROJECT INCLUDES THE INSTALLATION OF 0.75 INCH. REFER TO ARCHITECTURAL DRAWING FOR GRAVITY DETAILS.

   THE WORK IN THIS PROJECT FALLS UNDER EXCEPTIONS 1 AND 2 OF 2019 CBC 1617A.1.24 THEREFORE, SEISMIC RESTRAINTS ARE NOT REQUIRED, UNLESS FIELD CONDITIONS REVEAL EXISTING SYSTEMS OR STRUCTURAL MEMBERS IN CLOSE PROXIMITY THAT ARE IN RISK OF BEING DAMAGED BY THE MOTION OF NEW PIPES, CONDUIT OR DUCTWORK. THE ARCHITECT OF RECORD SHALL REVIEW EXISTING CONDITIONS IN THE FIELD WITH THE ENGINEER OF RECORD TO DETERMINE WHETHER FIELD CONDITIONS REQUIRE LATERAL RESTRAINTS.

   ALL CUSTOM SUPPORT AND BRACING DETAILS NOT OPM APPROVED SHALL BE DESIGNED BY THE CONTRACTOR'S ENGINEER AND SUBMITTED AS A DEFERRED APPROVAL PRIOR TO CONSTRUCTION.

⚠ PROJECT SCOPE

THE DRAWINGS OUTLINE THE SCOPE OF WORK AND SYSTEMS. THE MATERIAL REQUIRED FOR THE WORK SHALL BE CONTRACTOR FURNISHED AND CONTRACTOR INSTALLED, UNLESS SPECIFICALLY NOTED OTHERWISE. THE WORK INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING PRINCIPAL SYSTEMS AND EQUIPMENT.

- REMODEL OF SELECTED PATIENT ROOMS FROM PRIVATE TO SEMI-PRIVATE INCLUDING LIGHTS, RECEPTACLES AND BRANCH CIRCUIT WIRING SYSTEMS.
- REMODEL OF SELECTED TOILET ROOMS INCLUDING LIGHTS, RECEPTACLES AND BRANCH CIRCUIT WIRING SYSTEMS.
- REMODEL OF NURSE STATION CASEWORK INCLUDING NEW RECEPTACLES, TEL/DATA OUTLETS AND BRANCH CIRCUIT WIRING SYSTEMS.
- ALTERATIONS IN VARIOUS ROOMS (MAY INCLUDE LIGHTS, RECEPTACLES AND BRANCH CIRCUIT WIRING SYSTEMS).
- REMODEL OF OFFICE NEAR ONE NURSE STATION INCLUDING NEW RECEPTACLES, TEL/DATA OUTLETS AND BRANCH CIRCUIT WIRING SYSTEMS.
- NEW RECEPTACLES & CIRCUITS FOR NEW WOWS AND CHARTING STATIONS.
- REPURPOSE OF CERTAIN EXISTING CIRCUIT BREAKERS AND INSTALLATION OF CERTAIN NEW CIRCUIT BREAKERS.
- REPLACEMENT OF HEADWALL FLUORESCENT FIXTURES WITH NEW LED FIXTURES.
- MISCELLANEOUS CHANGES TO VARIOUS RECEPTACLES AND OUTLETS.
- CHANGES TO SELECTED BRANCH CIRCUIT WIRING SYSTEMS.
- RETROFIT SELECTED EXISTING FLUORESCENT LIGHT FIXTURES W/ NEW LED.
- ADDITION OF THREE ELECTRICALLY POWERED "AUTO-DOOR" OPERATORS. THESE DOORS ARE NOT USED FOR BUILDING EGRESS.
- NEW BRANCH CIRCUIT WIRING SYSTEMS.

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Project No. 22110

✱ READ THE SPECIFICATIONS !

READ THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. IN CASE OR CONFLICT BETWEEN SPECIFICATIONS AND DRAWINGS THE MORE RESTRICTIVE REQUIREMENTS SHALL TAKE PRECEDENCE.

THIS DRAWING AND THE DESIGN HEREON ARE INTENDED FOR THIS ONE SPECIFIC PROJECT ONLY. ANY USE OR RE-USE BEYOND THIS ONE PROJECT IS THE SOLE RESPONSIBILITY OF THE USER.

ALTHOUGH A "SCALE" MAY BE INDICATED, THE INFORMATION ON THIS DRAWING IS APPROXIMATE AND DIAGRAMMATIC ONLY, AND SHALL NOT BE SCALED TO OBTAIN DISTANCES. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING THE INTENT AND USE OF THESE DRAWINGS.

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Natividad
MEDICAL CENTER

NATIVIDAD MEDICAL CENTER

MEDICAL SURGERY DEPARTMENT
LEVEL 3

1441 CONSTITUTION
BOULEVARD
SALINAS, CA 93906

HCAI RECORD NUMBER:
S240593-27-00
HCAI FACILITY ID: 17353

KEYPLAN

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
4/9/2025, 1:09:36 PM
S240593-27-00
Russell Rocker

HCAI APPROVAL

Exp. 6-30-25
04/23/24

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

ELECTRICAL SYMBOLS & GENERAL NOTES

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

E001

CONSTRUCTION DOCUMENT

⚠ LEVEL 2 VERIFICATION

ENGINEER'S STATEMENT:
THE EXISTING 800 AMP DISTRIBUTION PANEL, ASSOCIATED 800 AMP FEEDER AND 700 AMP MAIN C.B. OVER-CURRENT PROTECTIVE DEVICE HAVE BEEN CHECKED AND HAVE ADEQUATE CAPACITY TO ACCOMMODATE THE EXISTING LOADS AND THE NEW LOADS BEING ADDED AS PART OF THIS PROJECT.

<E> PANEL "HB2-DL4"
(NON-ESSENTIAL)

<E> 800 AMP, 120/208V, 3 PHASE, 4W CU. BUS

<E> 225A 3P

ALL LOADS NOT SHOWN.

<E> 2.5"C-4 #4/0 & 1 #4 GRD.

<E> PANEL "HB3-L3" SCHEDULE (SECTION 1) "NON-ESSENTIAL"

MAIN BUS AMPS: ☐ 100 AMP ■ 225 AMP ☐ 400 AMP MAINS: ■ MAIN LUG ONLY ☐ _____A/3P C.B.
VOLTS: ■ 120/208, 3ø, 4W ☐ 277/480, 3ø, 4W TYPE: <E> PRL1 MOUNT: ■ SURFACE ☐ FLUSH

LOADS	<N> VOLTS-AMPS ø A	ø B	ø C	CIRCUIT BKR.	#	CIRCUIT #	BKR.	<N> VOLTS-AMPS ø A	ø B	ø C	LOADS
<E> OFFICE/CLEAN SOIL UTILITY	<E>			20/1	1	2	20/1	<E>			<E> PRIVATE PATIENT ROOM
<E> OFFICE/CLEAN SOIL UTILITY		<E>			3	4			<E>		<E> PRIVATE PATIENT ROOM
<E> EXAM TABLE LIGHT			<E>		5	6				<E>	<E> PRIVATE PATIENT ROOM
<E> WORK ROOM	<E>				7	8		<E>			<E> PRIVATE PATIENT ROOM
<E> WORK ROOM WORKSTATIONS		<E>			9	10			<E>		<E> PRIVATE PATIENT ROOM
<E> WORK ROOM WORKSTATIONS			<E>		11	12				<E>	<E> PRIVATE PATIENT ROOM
<E> PRIVATE PATIENT ROOM	<E>				13	14		<E>			<E> PRIVATE PATIENT ROOM
<E> PRIVATE PATIENT ROOM		<E>			15	16			<E>		<E> PRIVATE PATIENT ROOM
<E> PRIVATE PATIENT ROOM			<E>		17	18				<E>	<E> PRIVATE PATIENT ROOM
<E> PRIVATE PATIENT ROOM	<E>				19	20		<E>			<E> PRIVATE PATIENT ROOM
<E> PRIVATE PATIENT ROOM		<E>			21	22			<E>		<E> PRIVATE PATIENT ROOM
<E> PRIVATE PATIENT ROOM			<E>		23	24				<E>	<E> PRIVATE PATIENT ROOM
<E> PRIVATE PATIENT ROOM	<E>				25	26		<E>			<E> SEMI-PRIVATE PATIENT ROOM
<E> CORRIDOR CONFERENCE		<E>			27	28			<E>		<E> SEMI-PRIVATE PATIENT ROOM
<E> CORRIDOR CONFERENCE			<E>		29	30				<E>	<E> SEMI-PRIVATE PATIENT ROOM
<E> DRINKING FOUNTAIN	<E>				31	32		<E>			<E> PENTHOUSE
<E> NURSE STATION		<E>			33	34			<E>		<E> ROOM 321 & 322 OUTLETS
<E> COMMUNICATION CLOSET			<E>		35	36				<E>	<E> ROOM 319 & 313 OUTLETS
<E> DOOR VIDEO PHONE	<E>				37	38		<E>			<E> ROOM 311 & 313 OUTLETS
<E> ROOM 331 & 327 OUTLETS		<E>			39	40			—		<E> SPARE
<E> ROOM 331 & 327 OUTLETS			<E>		41	42				<E>	<E> PNEUMATIC TUBE
CONNECTED <N> LOAD/PHASE	SEE BELOW							SEE BELOW			CONNECTED <N> LOAD/PHASE

<E> PANEL "HB3-L3" SCHEDULE (SECTION 2) "NON-ESSENTIAL"

MAIN BUS AMPS: ☐ 100 AMP ■ 225 AMP ☐ 400 AMP MAINS: ■ MAIN LUG ONLY ☐ _____A/3P C.B.
VOLTS: ■ 120/208, 3ø, 4W ☐ 277/480, 3ø, 4W TYPE: <E> PRL1 MOUNT: ■ SURFACE ☐ FLUSH

LOADS	<N> VOLTS-AMPS ø A	ø B	ø C	CIRCUIT BKR.	#	CIRCUIT #	BKR.	<N> VOLTS-AMPS ø A	ø B	ø C	LOADS
<E> PRIVATE PATIENT ROOM	<E>			20/1	43	44	20/1	<E>			<E> PRIVATE PATIENT ROOM
<E> PRIVATE PATIENT ROOM		<E>			45	46			<E>		<E> PRIVATE PATIENT ROOM
<E> PRIVATE PATIENT ROOM			<E>		47	48				<E>	<E> SEMI-PRIVATE PATIENT ROOM
<E> SPARE	—				49	50	20	<E>			<E> 3B021 DOCTORS WORKROOM
		—			51	52			<E>		
			—		53	54	3			<E>	
	—				55	56	20/1	360			<N> RECEPTS (RM 333) (2)
		—			57	58			—		<E> SPARE
			—		59	60				—	<E> SPARE
	—				61	62		360			<N> RECEPTS (RM 315) (2)
		—			63	64			360		<N> RECEPTS (RM 327) (2)
			—		65	66	30/1			—	<E> SPARE
	—				67	68	20/1	—			<E> SPARE
		—			69	70			—		<E> SPARE
			—		71	72				1200	<N> PRINTER (1)
<E> SPACE	—			1P	73	74	1P	—			<E> SPACE
		—			75	76			—		
			—		77	78				—	
	—				79	80		—			
		—			81	82			—		
			—		83	84				—	
CONNECTED LOAD/PHASE	<E>	<E>	<E>					720	360	1200	CONNECTED LOAD/PHASE

TOTAL CONNECTED LOAD IN KVA: **2.28** HIGH PHASE LOAD IN AMPS: **10**

⚠ LEVEL 1 VERIFICATION (72 HR)

72 HOUR (+) RECORDING AMMETER READINGS STARTED ON: 01/23/24

	PHASE A:	PHASE B:	PHASE C:
<E> PEAK DEMAND =	28.40 AMPS	45.70 AMPS	23.80 AMPS
X 125% =	35.50 AMPS	57.13 AMPS	29.75 AMPS
<N> LOAD =	6.00 AMPS	3.00 AMPS	10.00 AMPS
TOTAL =	41.50 AMPS	60.13 AMPS	39.75 AMPS

HIGH PHASE IS <E> PHASE "B" AT 60.13 AMPS.

ENGINEER'S STATEMENT:
THE EXISTING 225 AMP PANEL, ASSOCIATED 225 AMP FEEDER AND 225 AMP UPSTREAM OVER-CURRENT PROTECTIVE DEVICE (C.B.) HAVE ADEQUATE CAPACITY TO ACCOMMODATE THE EXISTING LOADS AND THE NEW LOADS BEING ADDED BY THIS PROJECT.

A PARTIAL SINGLE LINE DIAGRAM (NON-ESSENTIAL)
SCALE: N.T.S.

⚠ LEVEL 2 VERIFICATION

ENGINEER'S STATEMENT:
THE EXISTING 800 AMP DISTRIBUTION PANEL, ASSOCIATED 800 AMP FEEDER AND 700 AMP MAIN C.B. OVER-CURRENT PROTECTIVE DEVICE HAVE BEEN CHECKED AND HAVE ADEQUATE CAPACITY TO ACCOMMODATE THE EXISTING LOADS AND THE NEW LOADS BEING ADDED AS PART OF THIS PROJECT.

<E> PANEL "HA1-ECDL1"
(CRITICAL BRANCH)

<E> 800 AMP, 120/208V, 3 PHASE, 4W CU. BUS

E1 <E> 225A 3P

ALL LOADS NOT SHOWN.

<E> 2.5"C-4 #4/0 & 1 #4 GRD.

<E> PANEL "HB3-ECL3" SCHEDULE (SECTION 1) "CRITICAL BRANCH"

MAIN BUS AMPS: ☐ 100 AMP ■ 225 AMP ☐ 400 AMP MAINS: ■ MAIN LUG ONLY ☐ _____A/3P C.B.
VOLTS: ■ 120/208, 3ø, 4W ☐ 277/480, 3ø, 4W TYPE: <E> PRL1 MOUNT: ■ SURFACE ☐ FLUSH

LOADS	<N> VOLTS-AMPS ø A	ø B	ø C	CIRCUIT BKR.	#	CIRCUIT #	BKR.	<N> VOLTS-AMPS ø A	ø B	ø C	LOADS
<E> ELECTRICAL CLOSET PENTHOUSE	<E>			20/1	1	2	20/1	<E>			<E> REFRIGERATOR
<E> COMMUNICATION CLOSET		<E>			3	4			<E>		<E> MICROWAVE RECEPTACLE
<E> CLEAN / SOIL / UTILITY			<E>		5	6				<E>	<E> ICE MAKER
<E> ROOM 333 OUTLETS	<E>				7	8		<E>			<E> NURSE STATION MEDICINE
<E> ROOM 332 OUTLETS		<E>			9	10			<E>		<E> REFRIGERATOR
<E> ROOM 331 OUTLETS			<E>		11	12				<E>	<E> NURSE STATION
<E> PRIVATE PATIENT ROOM	<E>				13	14		<E>			<E> PRIVATE PATIENT ROOM
<E> PRIVATE PATIENT ROOM		<E>			15	16			<E>		<E> PRIVATE PATIENT ROOM
<E> PRIVATE PATIENT ROOM			<E>		17	18				<E>	<E> PRIVATE PATIENT ROOM
<E> PRIVATE PATIENT ROOM	<E>				19	20		<E>			<E> PRIVATE PATIENT ROOM
<E> PRIVATE PATIENT ROOM		<E>			21	22			<E>		<E> PRIVATE PATIENT ROOM
<E> PRIVATE PATIENT ROOM			<E>		23	24				<E>	<E> PRIVATE PATIENT ROOM
<E> PRIVATE PATIENT ROOM	<E>				25	26		<E>			<E> PRIVATE PATIENT ROOM
<E> PRIVATE PATIENT ROOM		<E>			27	28			<E>		<E> PRIVATE PATIENT ROOM
<E> PRIVATE PATIENT ROOM			<E>		29	30				<E>	<E> PRIVATE PATIENT ROOM
<E> SEMI-PRIVATE PATIENT ROOM	<E>				31	32		<E>			<E> SEMI-PRIVATE PATIENT ROOM
<E> SEMI-PRIVATE PATIENT ROOM		<E>			33	34			<E>		<E> SEMI-PRIVATE PATIENT ROOM
<E> SEMI-PRIVATE PATIENT ROOM			<E>		35	36				<E>	<E> SEMI-PRIVATE PATIENT ROOM
<E> PRIVATE PATIENT ROOM	<E>				37	38		<E>			<E> PRIVATE PATIENT ROOM
<E> WATER TREATMENT		<E>			39	40			<E>		<E> ROOM 321 OUTLETS
<E> ROOM 327 OUTLETS			<E>		41	42				<E>	<E> ROOM 319 OUTLETS
CONNECTED <N> LOAD/PHASE	SEE BELOW							SEE BELOW			CONNECTED <N> LOAD/PHASE

<E> PANEL "HB3-ECL3" SCHEDULE (SECTION 2) "CRITICAL BRANCH"

MAIN BUS AMPS: ☐ 100 AMP ■ 225 AMP ☐ 400 AMP MAINS: ■ MAIN LUG ONLY ☐ _____A/3P C.B.
VOLTS: ■ 120/208, 3ø, 4W ☐ 277/480, 3ø, 4W TYPE: <E> PRL1 MOUNT: ■ SURFACE ☐ FLUSH

LOADS	<N> VOLTS-AMPS ø A	ø B	ø C	CIRCUIT BKR.	#	CIRCUIT #	BKR.	<N> VOLTS-AMPS ø A	ø B	ø C	LOADS
<E> COMMUNICATION CLOSET	<E>				43	44	20/1	<E>			<E> COMMUNICATION CLOSET
<E> W/ CKT #43		<E>			45	46			<E>		<E> COMMUNICATION CLOSET
<E> PRIVATE PATIENT ROOM			<E>	20/1	47	48				<E>	<E> PRIVATE PATIENT ROOM
<E> PRIVATE PATIENT ROOM	<E>				49	50		<E>			<E> PRIVATE PATIENT ROOM
<E> PRIVATE PATIENT ROOM		<E>			51	52			<E>		<E> PRIVATE PATIENT ROOM
<E> ROOM 315 OUTLETS			<E>		53	54				<E>	<E> SASCO
<E> ROOM 313 OUTLETS	<E>				55	56		1872			<N> RECEPTS (WOW) (6)
<E> ROOM 311 OUTLETS		<E>			57	58			<E>		<E> PRIVATE PATIENT ROOM
<E> RECEPT DIALYSIS ROOM			<E>		59	60				<E>	<E> TS1
<N> RECEPTS (WOW) (6)	1872				61	62		<E>			<E> JOHNSON CONTROL PANEL
<N> RECEPTS (CHART) (4)		1728			63	64			<E>		<E> MEDURNA DEVELOPE
<E> SPARE			—	1P	65	66				1872	<N> RECEPTS (WOW) (6)
<E> CARDIOPULMONARY EQUIP STORAGE	<E>			20/1	67	68		1872			<N> RECEPTS (WOW) (6)
<N> RECEPTS (WOW) (6)		1872			69	70	20/1		1872		<N> RECEPTS (WOW) (6)
<E> MONITOR-331-332			<E>		71	72				1872	<N> RECEPTS (WOW) (6)
<N> RECEPTS (CHART) (4)	1728			20/1	73	74	1728				<N> RECEPTS (CHART) (4)
<N> NURSE RECEPTS (4)		800		20/1	75	76		1560			<N> RECEPTS (WOW) (5)
<E> SPACE			—	1P	77	78	20/1			<E>	<E> NURSE CALL CIRCUITS
<N> RECEPTS (RM 333)	720			20/1	79	80		<E>			
<N> RECEPTS (RM 315)		720			81	82			<E>		<E> PROXIMITY CAB MED CLOSET
<N> RECEPTS (WOW) (6)			1872		83	84	20/1			1872	<N> RECEPTS (WOW) (6)
CONNECTED LOAD/PHASE	4320	5120	1872					5472	3432	5616	CONNECTED LOAD/PHASE

TOTAL CONNECTED LOAD IN KVA: **25.83** HIGH PHASE LOAD IN AMPS: **81.6**

⚠ LEVEL 1 VERIFICATION (72 HR)

72 HOUR (+) RECORDING AMMETER READINGS STARTED ON: 01/26/24

	PHASE A:	PHASE B:	PHASE C:
<E> PEAK DEMAND =	52.60 AMPS	40.40 AMPS	59.10 AMPS
X 125% =	65.75 AMPS	50.50 AMPS	73.88 AMPS
<N> LOAD =	81.60 AMPS	71.27 AMPS	62.40 AMPS
TOTAL =	147.35 AMPS	121.77 AMPS	136.28 AMPS

HIGH PHASE IS <E> PHASE "A" AT 147.35 AMPS.

ENGINEER'S STATEMENT:
THE EXISTING 225 AMP PANEL, ASSOCIATED 225 AMP FEEDER AND 225 AMP UPSTREAM OVER-CURRENT PROTECTIVE DEVICE (C.B.) HAVE ADEQUATE CAPACITY TO ACCOMMODATE THE EXISTING LOADS AND THE NEW LOADS BEING ADDED BY THIS PROJECT.

B PARTIAL SINGLE LINE DIAGRAM (CRITICAL BRANCH)
SCALE: N.T.S.

◇ SHEET NOTES

1. FURNISH, INSTALL AND CONNECT NEW CUTLER HAMMER "BAB" FRAME CIRCUIT BREAKER IN EXISTING SPACE. MAKE ALL CONNECTIONS TO PLACE INTO SERVICE. UPDATE THE PANEL DIRECTORY WITH OWNER APPROVED WORDING DESCRIBING THE LOAD BEING SERVED.
2. REMOVE EXISTING 20 AMP / 2 POLE BREAKER. FURNISH, INSTALL AND CONNECT TWO NEW CUTLER HAMMER "BAB" FRAME CIRCUIT BREAKERS. MAKE ALL CONNECTIONS TO PLACE INTO SERVICE. UPDATE THE PANEL DIRECTORY WITH OWNER APPROVED WORDING DESCRIBING THE LOAD BEING SERVED.
3. UTILIZE EXISTING CUTLER HAMMER "BAB" SPARE CIRCUIT BREAKER FOR NEW LOAD. MAKE ALL CONNECTIONS TO PLACE INTO SERVICE. UPDATE THE PANEL DIRECTORY WITH OWNER APPROVED WORDING DESCRIBING THE LOAD BEING SERVED.
4. CIRCUIT INVOLVED. LOAD DECREASED BY THE VALUE SHOWN. REFER TO THE RESPECTIVE LOAD MATRIX ON E104.

⚠ <E> PANEL "HB3-ECL3" OCPD FINAL COORDINATION CRITICAL BRANCH

THE REPURPOSED EXISTING CRITICAL BRANCH OCPDs, AND THE NEW CRITICAL BRANCH OCPDs SELECTIVELY COORDINATE WITH THE EXISTING UPSTREAM OCPD FOR THE PERIOD OF TIME THAT A FAULT'S DURATION EXTENDS BEYOND 0.1 SECONDS AS FOLLOWS:

E1 <E> 225 AMP / 3 POLE BREAKER IN 'HA1-ECDL1': C-H #ED3225.

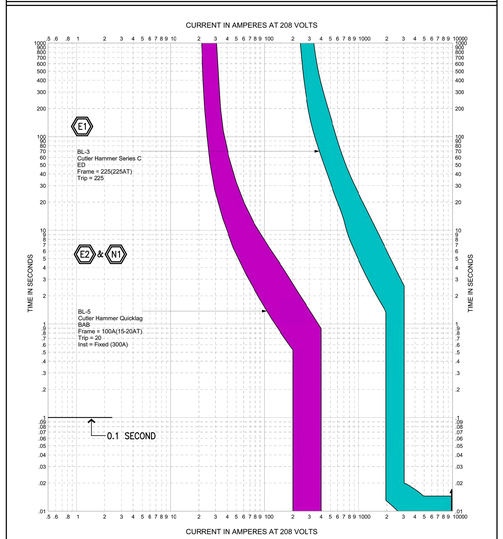
E2 <E> 20 AMP / 1 POLE BREAKER IN 'HB3-L3': C-H #BAB

N1 <N> 20 AMP / 1 POLE BREAKERS IN 'HB3-L3': C-H #BAB

REGISTERED PROFESSIONAL ENGINEER ROMAN PERALTA No. E 19560 Exp. 6-30-25 ELECTRICAL STATE OF CALIFORNIA

04/15/24

ENGINEERS STATEMENT:
THE RELEVANT PORTION OF THE ESSENTIAL ELECTRICAL SYSTEM AND THE NEW OCPDs DOCUMENTED HEREIN HAVE BEEN EVALUATED FOR COORDINATION AND MEET THE PROJECT REQUIREMENTS.



Int-Elect Engineering	EasyPower® TIME-CURRENT CURVES	TCC-1
ie #22110 "HB3-ECDL1' TO "HB3-ECL3"		FAULT: DATE: 1/27/2023 BY: REVISION: 1

422110 - ECDL1 FEEDS ECL3

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* READ THE SPECIFICATIONS !

READ THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. IN CASE OF CONFLICT BETWEEN SPECIFICATIONS AND DRAWINGS THE MORE RESTRICTIVE REQUIREMENTS SHALL TAKE PRECEDENCE.

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Natividad MEDICAL CENTER

NATIVIDAD MEDICAL CENTER

MEDICAL SURGERY DEPARTMENT LEVEL 3

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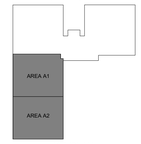
SALINAS, CA 93906

HCAI RECORD NUMBER:
S240593-27-00
HCAI FACILITY ID: 17353



KEYPLAN

HCAI APPROVAL

REGISTERED PROFESSIONAL ENGINEER ROMAN PERALTA No. E 19560 Exp. 6-30-25 ELECTRICAL STATE OF CALIFORNIA

04/23/24

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

PARTIAL SINGLE LINE DIAGRAMS & PANEL SCHEDULES

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

E101

CONSTRUCTION DOCUMENT

⚠ LEVEL 2 VERIFICATION

ENGINEER'S STATEMENT:
THE EXISTING 800 AMP DISTRIBUTION PANEL, ASSOCIATED 800 AMP FEEDER AND 700 AMP MAIN C.B. OVER-CURRENT PROTECTIVE DEVICE HAVE BEEN CHECKED AND HAVE ADEQUATE CAPACITY TO ACCOMMODATE THE EXISTING LOADS AND THE NEW LOADS BEING ADDED AS PART OF THIS PROJECT.

<E> PANEL "HA2-DL3"
(NON-ESSENTIAL)

<E> 800 AMP, 120/208V, 3 PHASE, 4W CU. BUS

<E> 225A 3P

ALL LOADS NOT SHOWN.

<E> 2"C-4 #4/0 & 1 #4 GRD.

<E> PANEL "HA3-L2" SCHEDULE (SECTION 1) "NON-ESSENTIAL"

MAIN BUS AMPS: ☐ 100 AMP ■ 225 AMP ☐ 400 AMP MAINS: ■ MAIN LUG ONLY ☐ _____A/3P C.B.
VOLTS: ■ 120/208, 3ø, 4W ☐ 277/480, 3ø, 4W TYPE: <E> PRL1 MOUNT: ■ SURFACE ☐ FLUSH

LOADS	<N> VOLTS-AMPS ø A	ø B	ø C	CIRCUIT BKR.	#	CIRCUIT #	BKR.	<N> VOLTS-AMPS ø A	ø B	ø C	LOADS
<E> LOAD	<E>			20/1	1	2	20/1	<E>			<E> LOAD
		<E>			3	4			<E>		
			<E>		5	6				<E>	
	<E>				7	8		<E>			
		<E>			9	10			<E>		
			<E>		11	12				<E>	
	<E>				13	14		<E>			
		<E>			15	16			<E>		
			<E>		17	18				<E>	
	<E>				19	20		<E>			
		<E>			21	22			<E>		
			<E>		23	24				<E>	
	<E>				25	26		<E>			
		<E>			27	28			<E>		
			<E>		29	30				<E>	
	<E>				31	32		<E>			
		<E>			33	34			<E>		
			<E>		35	36				<E>	
	<E>				37	38		<E>			
		<E>			39	40			<E>		
			<E>		41	42				<E>	
CONNECTED <N> LOAD/PHASE	SEE BELOW							SEE BELOW			CONNECTED <N> LOAD/PHASE

<E> PANEL "HA3-L2" SCHEDULE (SECTION 2) "NON-ESSENTIAL"

MAIN BUS AMPS: ☐ 100 AMP ■ 225 AMP ☐ 400 AMP MAINS: ■ MAIN LUG ONLY ☐ _____A/3P C.B.
VOLTS: ■ 120/208, 3ø, 4W ☐ 277/480, 3ø, 4W TYPE: <E> PRL1 MOUNT: ■ SURFACE ☐ FLUSH

LOADS	<N> VOLTS-AMPS ø A	ø B	ø C	CIRCUIT BKR.	#	CIRCUIT #	BKR.	<N> VOLTS-AMPS ø A	ø B	ø C	LOADS
<E> LOAD	<E>			20/1	43	44	20/1	<E>			<E> LOAD
		<E>			45	46			<E>		
			<E>		47	48				<E>	
<E> LOAD	<E>			30 / 2	49	50	30 / 2	<E>			<E> LOAD
		<E>			51	52			<E>		
<E> LOAD			<E>	30 / 2	53	54	30 / 2			<E>	<E> LOAD
	<E>				55	56		<E>			
<E> LOAD		<E>		30 / 2	57	58	30 / 2		<E>		<E> LOAD
			<E>		59	60				<E>	
<E> LOAD	<E>			30 / 2	61	62	30 / 2	<E>			<E> LOAD
		<E>			63	64			<E>		
<E> LOAD			<E>	30 / 2	65	66	30 / 2			<E>	<E> LOAD
	<E>				67	68		<E>			
<E> LOAD		<E>		20/1	69	70	20/1	<E>			<E> LOAD
			<E>		71	72				1440	<N> COPIER (3) (E2)
	<E>				73	74		<E>			<E> LOAD
		<E>			75	76			<E>		<E> LOAD
(E2) (3) <N> COPIER			1440		77	78				—	<E> SPARE
<E> LOAD	<E>				79	80		<E>			<E> LOAD
		<E>			81	82				1200	<N> REFRIG RECEPTS (1) (3) (E2)
			<E>		83	84				—	<E> SPARE
CONNECTED LOAD/PHASE	<E>	<E>	1440					<E>	1200	1440	CONNECTED LOAD/PHASE

TOTAL CONNECTED LOAD IN KVA: **4.08** HIGH PHASE LOAD IN AMPS: **24**

⚠ LEVEL 1 VERIFICATION (72 HR)

72 HOUR (+) RECORDING AMMETER READINGS STARTED ON: 01/23/24

	PHASE A:	PHASE B:	PHASE C:
<E> PEAK DEMAND =	60.70 AMPS	71.50 AMPS	66.50 AMPS
X 125% =	75.88 AMPS	89.38 AMPS	83.13 AMPS
<N> LOAD =	Ø AMPS	10.00 AMPS	24.00 AMPS
TOTAL =	75.88 AMPS	99.38 AMPS	107.13 AMPS

HIGH PHASE IS <E> PHASE "C" AT 107.13 AMPS.

ENGINEER'S STATEMENT:
THE EXISTING 225 AMP PANEL, ASSOCIATED 225 AMP FEEDER AND 225 AMP UPSTREAM OVER-CURRENT PROTECTIVE DEVICE (C.B.) HAVE ADEQUATE CAPACITY TO ACCOMMODATE THE EXISTING LOADS AND THE NEW LOADS BEING ADDED BY THIS PROJECT.

A PARTIAL SINGLE LINE DIAGRAM (NON-ESSENTIAL)
SCALE: N.T.S.

⚠ LEVEL 2 VERIFICATION

ENGINEER'S STATEMENT:
THE EXISTING 800 AMP DISTRIBUTION PANEL, ASSOCIATED 800 AMP FEEDER AND 700 AMP MAIN C.B. OVER-CURRENT PROTECTIVE DEVICE HAVE BEEN CHECKED AND HAVE ADEQUATE CAPACITY TO ACCOMMODATE THE EXISTING LOADS AND THE NEW LOADS BEING ADDED AS PART OF THIS PROJECT.

<E> PANEL "HA1-ECDL1"
(CRITICAL BRANCH)

<E> 800 AMP, 120/208V, 3 PHASE, 4W CU. BUS

(E3) <E> 150A 3P

ALL LOADS NOT SHOWN.

<E> 2"C-4 #1/0 & 1 #6 GRD.

<E> PANEL "HA3-ECL2" SCHEDULE (SECTION 1) "CRITICAL BRANCH"

MAIN BUS AMPS: ☐ 100 AMP ■ 225 AMP ☐ 400 AMP MAINS: ■ MAIN LUG ONLY ☐ _____A/3P C.B.
VOLTS: ■ 120/208, 3ø, 4W ☐ 277/480, 3ø, 4W TYPE: <E> PRL1 MOUNT: ■ SURFACE ☐ FLUSH

LOADS	<N> VOLTS-AMPS ø A	ø B	ø C	CIRCUIT BKR.	#	CIRCUIT #	BKR.	<N> VOLTS-AMPS ø A	ø B	ø C	LOADS
<E> LOAD	<E>			20/1	1	2	20/1	<E>			<E> LOAD
		<E>			3	4			<E>		
			<E>		5	6				<E>	
	<E>				7	8		<E>			
		<E>			9	10			<E>		
			<E>		11	12				<E>	
	<E>				13	14		<E>			
		<E>			15	16			<E>		
			<E>		17	18				<E>	
	<E>				19	20		<E>			
		<E>			21	22			<E>		
			<E>		23	24				<E>	
	<E>				25	26		<E>			
		<E>			27	28			<E>		
			<E>		29	30				<E>	
	<E>				31	32		<E>			
		<E>			33	34			<E>		
			<E>		35	36				<E>	
	<E>				37	38		<E>			
(E2) (3) <N> RECEPT (1)			400		41	42				<E>	
CONNECTED <N> LOAD/PHASE	SEE BELOW							SEE BELOW			CONNECTED <N> LOAD/PHASE

<E> PANEL "HA3-ECL2" SCHEDULE (SECTION 2) "CRITICAL BRANCH"

MAIN BUS AMPS: ☐ 100 AMP ■ 225 AMP ☐ 400 AMP MAINS: ■ MAIN LUG ONLY ☐ _____A/3P C.B.
VOLTS: ■ 120/208, 3ø, 4W ☐ 277/480, 3ø, 4W TYPE: <E> PRL1 MOUNT: ■ SURFACE ☐ FLUSH

LOADS	<N> VOLTS-AMPS ø A	ø B	ø C	CIRCUIT BKR.	#	CIRCUIT #	BKR.	<N> VOLTS-AMPS ø A	ø B	ø C	LOADS
<E> LOAD	<E>			20/1	43	44	20/1	<E>			<E> LOAD
		<E>			45	46			<E>		
			<E>		47	48				<E>	
	<E>				49	50		<E>			
		<E>			51	52			<E>		
			<E>		53	54				<E>	
	<E>				55	56		<E>			
<E> SPARE		—			57	58			<E>		
<E> LOAD			<E>		59	60				<E>	
<E> SPARE	—				61	62		<E>			<E> LOAD
<E> LOAD		<E>		20 / 2	63	64	20 / 2		<E>		<E> LOAD
			<E>		65	66				<E>	
<E> LOAD	<E>			20 / 2	67	68	20/1	<E>			<E> LOAD
		<E>			69	70			<E>		
<E> LOAD			<E>	20/1	71	72				<E>	
	<E>				73	74	30/1	<E>			
		<E>			75	76	20 / 2		<E>		<E> LOAD
			<E>		77	78				<E>	
	<E>				79	80	20/1	1728			<N> RECEPTS (RM 327) (4) (3) (E2)
(E2) (3) <N> AUTODOORS (3)		900			81	82			1728		<N> RECEPTS (RM 319) (4)
<N> RECEPTS (RM 319) (4)			1728		83	84				<E>	<E> LOAD
CONNECTED LOAD/PHASE	<E>	900	2128					1728	1728	<E>	CONNECTED LOAD/PHASE

TOTAL CONNECTED LOAD IN KVA: **6.48** HIGH PHASE LOAD IN AMPS: **21.90**

⚠ LEVEL 1 VERIFICATION (72 HR)

72 HOUR (+) RECORDING AMMETER READINGS STARTED ON: 01/23/24

	PHASE A:	PHASE B:	PHASE C:
<E> PEAK DEMAND =	45.20 AMPS	78.30 AMPS	39.30 AMPS
X 125% =	56.50 AMPS	97.88 AMPS	49.13 AMPS
<N> LOAD =	14.40 AMPS	21.90 AMPS	17.73 AMPS
TOTAL =	70.90 AMPS	119.78 AMPS	66.86 AMPS

HIGH PHASE IS <E> PHASE "B" AT 119.78 AMPS.

ENGINEER'S STATEMENT:
THE EXISTING 225 AMP PANEL, ASSOCIATED 150 AMP FEEDER AND 150 AMP UPSTREAM OVER-CURRENT PROTECTIVE DEVICE (C.B.) HAVE ADEQUATE CAPACITY TO ACCOMMODATE THE EXISTING LOADS AND THE NEW LOADS BEING ADDED BY THIS PROJECT.

B PARTIAL SINGLE LINE DIAGRAM (CRITICAL BRANCH)
SCALE: N.T.S.

◇ SHEET NOTES

1. CIRCUIT INVOLVED. LOAD DECREASED BY THE VALUE SHOWN. REFER TO THE RESPECTIVE LOAD MATRIX ON E104.
2. (NOT USED).
3. UTILIZE EXISTING CUTLER HAMMER "BAB" SPARE CIRCUIT BREAKER FOR NEW LOAD. MAKE ALL CONNECTIONS TO PLACE INTO SERVICE. UPDATE THE PANEL DIRECTORY WITH OWNER APPROVED WORDING DESCRIBING THE LOAD BEING SERVED.

⚠ <E> PANEL "HA3-ECL2" OCPD FINAL COORDINATION CRITICAL BRANCH

THE REPURPOSED EXISTING CRITICAL BRANCH OCPDs, AND THE NEW CRITICAL BRANCH OCPDs SELECTIVELY COORDINATE WITH THE EXISTING UPSTREAM OCPD FOR THE PERIOD OF TIME THAT A FAULT'S DURATION EXTENDS BEYOND 0.1 SECONDS AS FOLLOWS:

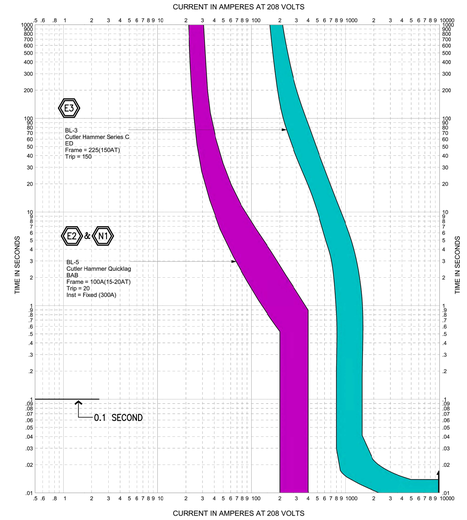
(E3) <E> 150 AMP / 3 POLE BREAKER IN 'HA1-ECDL1': C-H #ED3150.

(E2) <E> 20 AMP / 1 POLE BREAKER IN 'HA3-ECL2': C-H #BAB

(N1) <N> 20 AMP / 1 POLE BREAKERS IN 'HA3-ECL2': C-H #BAB

PROFESSIONAL ENGINEER — ELECTRICAL — STATE OF CALIFORNIA — No. E 19560 — Exp. 6-30-25
04/15/24

ENGINEERS STATEMENT:
THE RELEVANT PORTION OF THE ESSENTIAL ELECTRICAL SYSTEM AND THE NEW OCPDs DOCUMENTED HEREIN HAVE BEEN EVALUATED FOR COORDINATION AND MEET THE PROJECT REQUIREMENTS.



Int-Elect Engineering	*EasyPower®* TIME-CURRENT CURVES	TCC-1
#22110 DPNL HA1-ECDL1 FEEDS PANEL HA2-ECL2		FAULT: DATE: 1/30/2023 BY: REVISION: 1

#22110 - HA1-ECDL1 FEEDS HA3-ECL2

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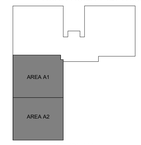
NATIVIDAD MEDICAL CENTER

MEDICAL SURGERY DEPARTMENT LEVEL 3

1441 CONSTITUTION BOULEVARD
SALINAS, CA 93906

HCAI RECORD NUMBER:
S240593-27-00
HCAI FACILITY ID: 17353



KEYPLAN

HCAI APPROVAL

PROFESSIONAL ENGINEER — ELECTRICAL — STATE OF CALIFORNIA — No. E 19560 — Exp. 6-30-25
04/23/24

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

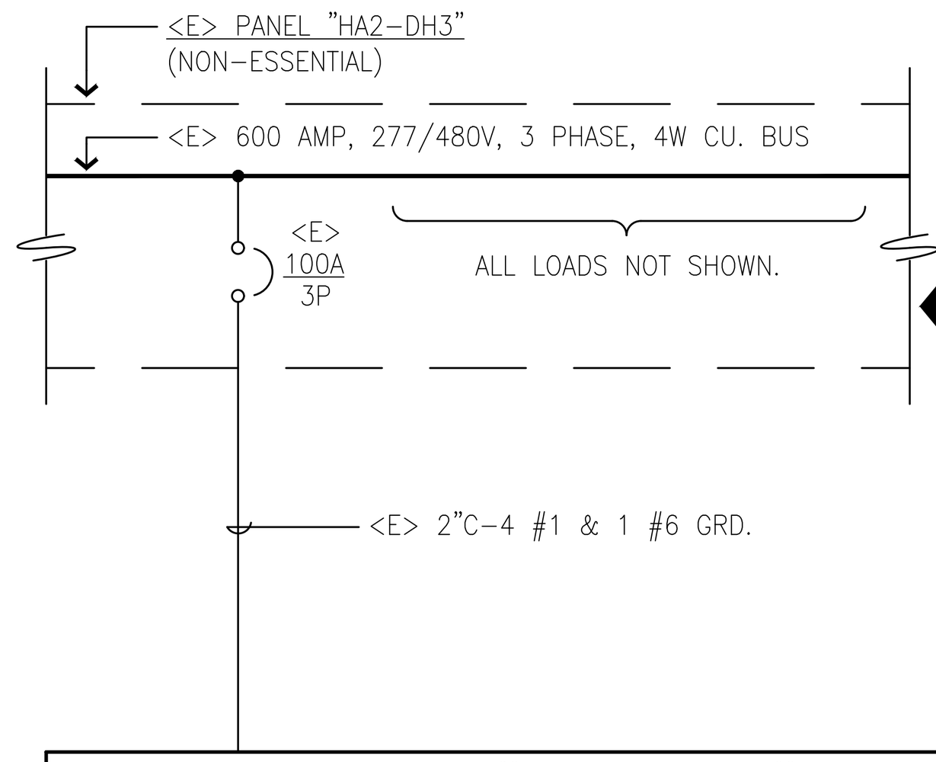
PARTIAL SINGLE LINE DIAGRAMS & PANEL SCHEDULES

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

E102

CONSTRUCTION DOCUMENT



LEVEL 2 VERIFICATION

ENGINEER'S STATEMENT:
THE EXISTING 600 AMP DISTRIBUTION PANEL, ASSOCIATED 600 AMP FEEDER AND 500 AMP MAIN C.B. OVER-CURRENT PROTECTIVE DEVICE HAVE BEEN CHECKED AND HAVE ADEQUATE CAPACITY TO ACCOMMODATE THE EXISTING LOADS AND THE NEW LOADS BEING ADDED AS PART OF THIS PROJECT.

<E> PANEL "HA3-H2" SCHEDULE — "NON-ESSENTIAL"

MAIN BUS AMPS: ■ 100 AMP ☐ 225 AMP ☐ 400 AMP — MAINS: ■ MAIN LUG ONLY ☐ ____A/3P C.B.
VOLTS: ☐ 120/208, 3ø, 4W ■ 277/480, 3ø, 4W — TYPE: <E> — MOUNT: ■ SURFACE ☐ FLUSH

LOADS	<N> VOLTS-AMPS ø A	ø B	ø C	CIRCUIT BKR.	#	CIRCUIT #	BKR.	<N> VOLTS-AMPS ø A	ø B	ø C	LOADS
<E> LOUNGE/SOIL/CLEAN/UTILITY	-358			20/1	1	2	20/1	<E>			<E> ELEVATOR LOBBY
<E> OFFICES/EQUIPMT/STORG/TOIL		<E>			3	4			<E>		<E> ELEVATOR LOBBY
<E> NURSE STATIONS			<E>		5	6				-374	<E> CORRIDOR/ICU/CCU
<E> PATIENT ROOMS	-204				7	8		<E>			<E> CORRIDOR/ICU/CCU
<E> PATIENT ROOMS		-103			9	10			<E>		<E> WAITING ROOM
<E> PATIENT ROOMS			-107		11	12				<E>	<E> ROOF LIGHTING
<E> PATIENT ROOMS	+14				13	14		—			<E> SPARE
<E> SPARE		—			15	16			—		
			—		17	18				—	
	—				19	20		—			
		—			21	22			—		
			—		23	24				—	
<E> SPACE	—			1P	25	26	1P	—			<E> SPACE
		—			27	28			—		
			—		29	30				—	
CONNECTED <N> LOAD/PHASE	-548	-103	-107					<E>	<E>	-374	CONNECTED <N> LOAD/PHASE

TOTAL CONNECTED <N> LOAD IN KVA: -1.13 — HIGH PHASE <N> LOAD IN AMPS: -1.98

CALCULATED CONNECTED LOAD VERIFICATION

<E> CIRCUIT #13 =	WATTS PHASE A:	PHASE B:	PHASE C:
<E> LOAD =	970		
<R> LOAD =	-236		
<N> LOAD =	+250		
NEW TOTAL =	984 W = 3.6 AMPS		

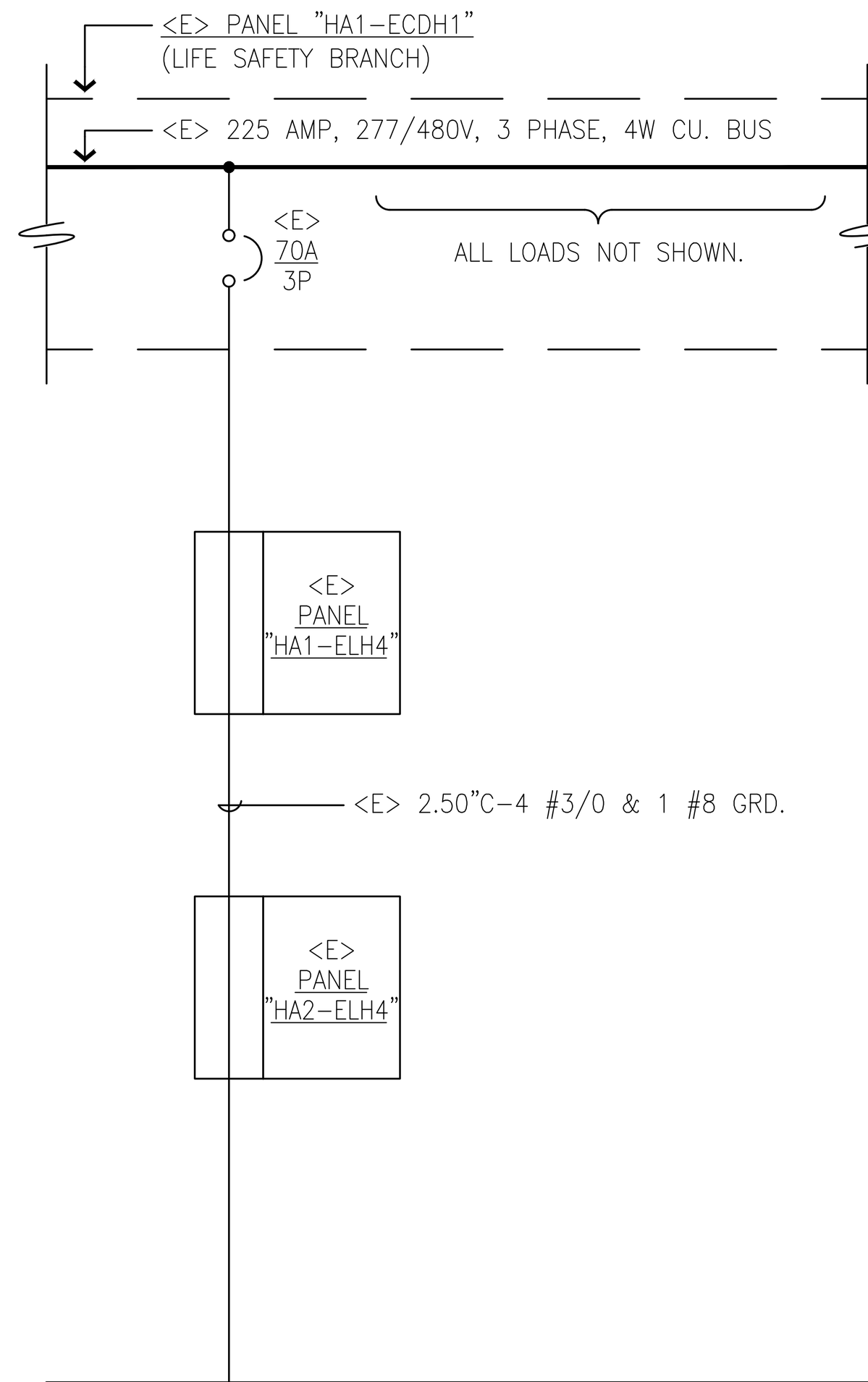
OVERALL PANEL;
THE TOTAL LOAD ON EACH PHASE OF THE PANEL IS BEING REDUCED. NO FURTHER VERIFICATION REQUIRED.

ENGINEER'S STATEMENT:
INDIVIDUAL CIRCUIT #13; THE EXISTING 20 AMP CIRCUIT BREAKER HAS ADEQUATE CAPACITY TO ACCOMMODATE THE EXISTING LOAD AND THE NEW LOAD BEING ADDED.

ENGINEER'S STATEMENT:
THE TOTAL LOAD ON EACH PHASE OF THE PANEL IS BEING REDUCED. NO FURTHER VERIFICATION REQUIRED.

A PARTIAL SINGLE LINE DIAGRAMS (NON-ESSENTIAL)

SCALE: N.T.S.



LEVEL 2 VERIFICATION

ENGINEER'S STATEMENT:
THE EXISTING 225 AMP DISTRIBUTION PANEL, ASSOCIATED 225 AMP FEEDER AND 125 AMP MAIN C.B. OVER-CURRENT PROTECTIVE DEVICE HAVE BEEN CHECKED AND HAVE ADEQUATE CAPACITY TO ACCOMMODATE THE EXISTING LOADS AND THE NEW LOADS BEING ADDED AS PART OF THIS PROJECT.

<E> PANEL "HA3-ELH2" SCHEDULE — "LIFE SAFETY BRANCH"

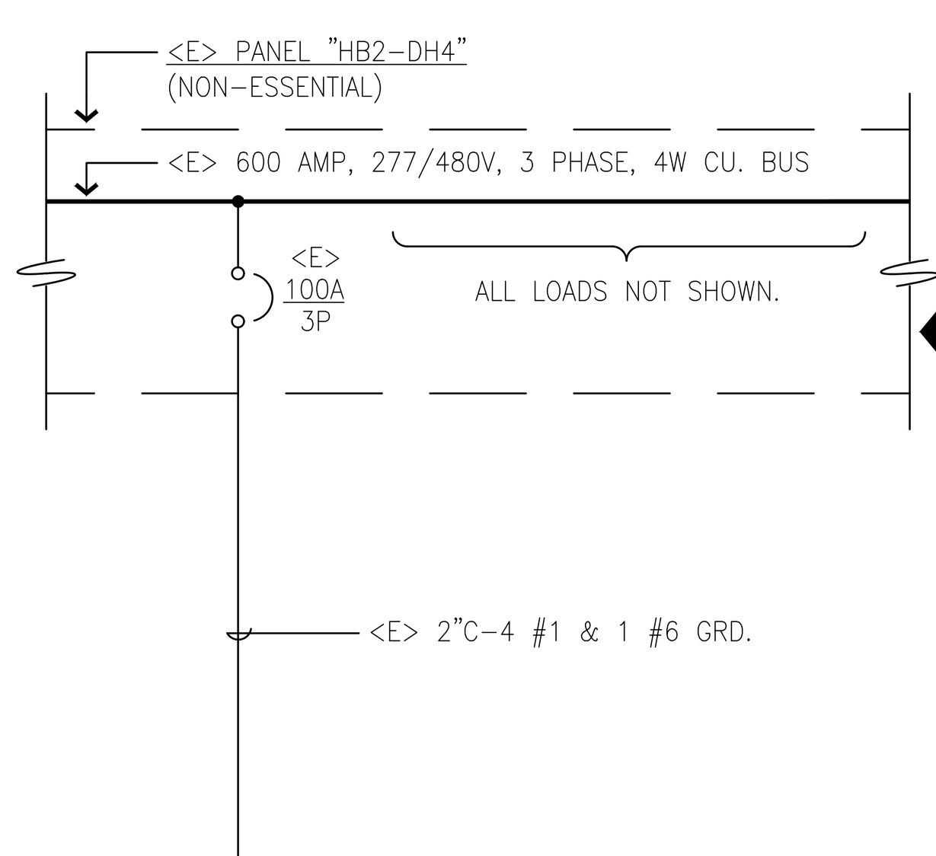
MAIN BUS AMPS: ■ 100 AMP ☐ 225 AMP ☐ 400 AMP — MAINS: ■ MAIN LUG ONLY ☐ ____A/3P C.B.
VOLTS: ☐ 120/208, 3ø, 4W ■ 277/480, 3ø, 4W — TYPE: <E> — MOUNT: ■ SURFACE ☐ FLUSH

LOADS	<N> VOLTS-AMPS ø A	ø B	ø C	CIRCUIT BKR.	#	CIRCUIT #	BKR.	<N> VOLTS-AMPS ø A	ø B	ø C	LOADS
<E> EXIT SIGN & EGRESS	<E>			20/1	1	2	20/1	<E>			<E> NURSE STATION 3A11
<E> NURSE STATION/SOIL/CLEAN		<E>			3	4			<E>		<E> EXIT SIGN & EGRESS
<E> SPARE			—		5	6				<E>	<E> ELEVATOR LOBBY
	—				7	8					<E> SPARE
		—			9	10			—		
			—		11	12	1P			—	
<E> SPARE	—			1P	13	14		—			<E> SPACE
		—			15	16			—		
			—		17	18				—	
CONNECTED <N> LOAD/PHASE	<E>	<E>	<E>					<E>	<E>	<E>	CONNECTED <N> LOAD/PHASE

TOTAL CONNECTED <N> LOAD IN KVA: <E> — HIGH PHASE <N> LOAD IN AMPS: <E>

C PARTIAL SINGLE LINE DIAGRAM (LIFE SAFETY BRANCH)

SCALE: N.T.S.



LEVEL 2 VERIFICATION

ENGINEER'S STATEMENT:
THE EXISTING 600 AMP DISTRIBUTION PANEL, ASSOCIATED 600 AMP FEEDER AND 500 AMP MAIN C.B. OVER-CURRENT PROTECTIVE DEVICE HAVE BEEN CHECKED AND HAVE ADEQUATE CAPACITY TO ACCOMMODATE THE EXISTING LOADS AND THE NEW LOADS BEING ADDED AS PART OF THIS PROJECT.

<E> PANEL "HB3-H3" SCHEDULE — "NON-ESSENTIAL"

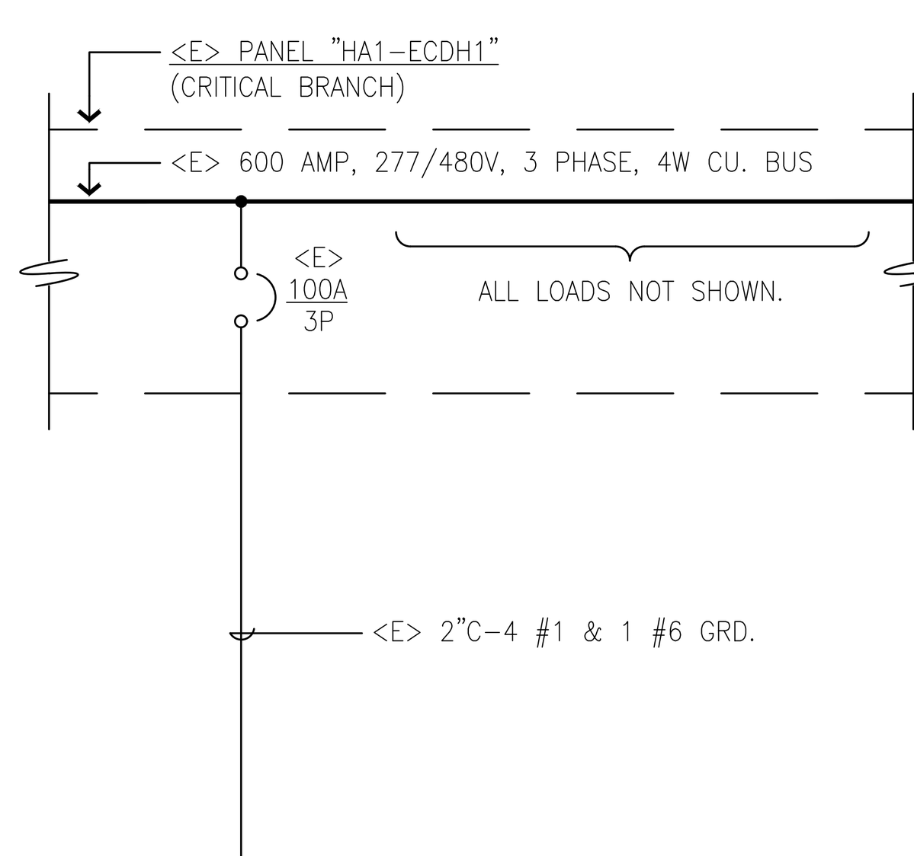
MAIN BUS AMPS: ■ 100 AMP ☐ 225 AMP ☐ 400 AMP — MAINS: ■ MAIN LUG ONLY ☐ ____A/3P C.B.
VOLTS: ☐ 120/208, 3ø, 4W ■ 277/480, 3ø, 4W — TYPE: <E> — MOUNT: ■ SURFACE ☐ FLUSH

LOADS	<N> VOLTS-AMPS ø A	ø B	ø C	CIRCUIT BKR.	#	CIRCUIT #	BKR.	<N> VOLTS-AMPS ø A	ø B	ø C	LOADS
<E> WORK RM./ CLEAN/SOIL	<E>			20/1	1	2	20/1	<E>			<E> PATIENTS ROOMS
<E> CORRIDOR/PATIENT ROOM		<E>			3	4			<E>		<E> PATIENTS ROOMS
<E> PATIENTS ROOMS			<E>		5	6				<E>	<E> PATIENTS ROOMS
<E> ROOF LIGHTING	<E>				7	8		—			<E> SPARE
<E> SPARE		—			9	10			—		
			—		11	12				—	
	—				13	14		—			
		—			15	16			—		
			—		17	18				—	
<E> SPACE	—			1P	19	20	1P	—			<E> SPACE
		—			21	22			—		
			—		23	24				—	
CONNECTED <N> LOAD/PHASE	<E>	<E>	<E>					<E>	<E>	<E>	CONNECTED <N> LOAD/PHASE

TOTAL CONNECTED <N> LOAD IN KVA: <E> — HIGH PHASE <N> LOAD IN AMPS: <E>

B PARTIAL SINGLE LINE DIAGRAMS (NON-ESSENTIAL)

SCALE: N.T.S.



LEVEL 2 VERIFICATION

ENGINEER'S STATEMENT:
THE EXISTING 600 AMP DISTRIBUTION PANEL, ASSOCIATED 600 AMP FEEDER AND 500 AMP MAIN C.B. OVER-CURRENT PROTECTIVE DEVICE HAVE BEEN CHECKED AND HAVE ADEQUATE CAPACITY TO ACCOMMODATE THE EXISTING LOADS AND THE NEW LOADS BEING ADDED AS PART OF THIS PROJECT.

<E> PANEL "HA3-ECH2" SCHEDULE — "CRITICAL BRANCH"

MAIN BUS AMPS: ■ 100 AMP ☐ 225 AMP ☐ 400 AMP — MAINS: ■ MAIN LUG ONLY ☐ ____A/3P C.B.
VOLTS: ☐ 120/208, 3ø, 4W ■ 277/480, 3ø, 4W — TYPE: <E> — MOUNT: ■ SURFACE ☐ FLUSH

LOADS	<N> VOLTS-AMPS ø A	ø B	ø C	CIRCUIT BKR.	#	CIRCUIT #	BKR.	<N> VOLTS-AMPS ø A	ø B	ø C	LOADS
<E> NURSE STATIONS/SOIL/CLEAN	<E>			20/1	1	2	20/1	<E>			<E> PATIENTS ROOMS
<E> PATIENTS ROOMS		<E>			3	4			<E>		<E> PATIENTS ROOMS
<E> PATIENTS ROOMS			<E>		5	6				<E>	<E> PATIENTS ROOMS
<E> PATIENTS ROOMS	<E>				7	8		<E>			<E> ROOF LIGHTING
<E> PATIENTS ROOMS		<E>			9	10			—		<E> SPARE
<E> PATIENTS ROOMS & CLEAN UTIL LTS			<E>		11	12				—	
<E> SPARE	—				13	14		—			
		—			15	16			—		
			—		17	18				—	
<E> SPACE	—			1P	19	20	1P	—			<E> SPACE
		—			21	22			—		
			—		23	24				—	
CONNECTED <N> LOAD/PHASE	<E>	<E>	<E>					<E>	<E>	<E>	CONNECTED <N> LOAD/PHASE

TOTAL CONNECTED <N> LOAD IN KVA: <E> — HIGH PHASE <N> LOAD IN AMPS: <E>

BC2

D PARTIAL SINGLE LINE DIAGRAM (CRITICAL BRANCH)

SCALE: N.T.S.

SHEET NOTES

1. CIRCUIT INVOLVED. LOAD DECREASED BY THE VALUE SHOWN. REFER TO THE RESPECTIVE LOAD MATRIX ON E104.
2. CIRCUIT INVOLVED. LOAD INCREASED BY THE VALUE SHOWN (FROM THE RESPECTIVE LOAD MATRIX ON E104). INDIVIDUAL CIRCUIT LOAD CAPACITY VERIFICATION SHOWN BELOW THE PANEL SCHEDULE.

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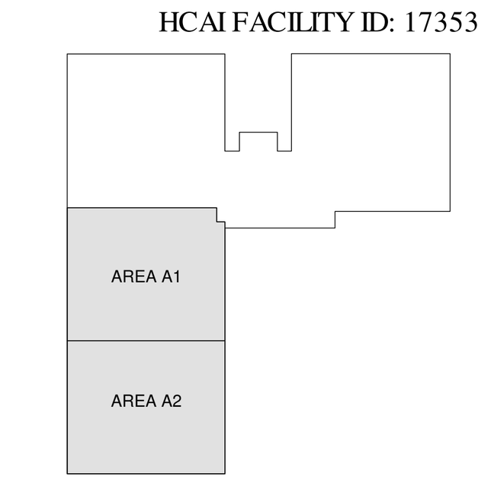
Natividad MEDICAL CENTER

NATIVIDAD MEDICAL CENTER

MEDICAL SURGERY DEPARTMENT LEVEL 3

1441 CONSTITUTION BOULEVARD
SALINAS, CA 93906

HCAI RECORD NUMBER: S240593-27-00
HCAI FACILITY ID: 17353



KEYPLAN

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
4/9/2025, 1:09:36 PM
S240593-27-00
Russell Rocker

HCAI APPROVAL

REGISTERED PROFESSIONAL ENGINEER ROMAN PERKIS No. E 19560 Exp. 6-30-25 ELECTRICAL STATE OF CALIFORNIA
03/11/25

AGENCY APPROVAL

NO	DESCRIPTION	DATE
	BACKCHECK#1	12/13/2024
BC2	BACKCHECK#2	03/14/2025

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

Int • Elect Engineering Incorporated
1487 Finch Lane
Gilroy, California 95020
(408) 846-7171
Project No. 22110

* READ THE SPECIFICATIONS !

READ THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. IN CASE OR CONFLICT BETWEEN SPECIFICATIONS AND DRAWINGS THE MORE RESTRICTIVE REQUIREMENTS SHALL TAKE PRECEDENCE.

PARTIAL SINGLE LINE DIAGRAMS & PANEL SCHEDULES

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

E103

CONSTRUCTION DOCUMENT

⚠ PHASE 1 • RELOCATE / REMOVE LIGHTING LOAD MATRIX

PANEL / CIRCUIT	REMOVE LOAD: REMOVE	WATTS PER FIXTURE REMOVED	TOTAL WATTS REMOVED	INSTALL / ADD LOAD: INSTALL	WATTS PER FIXTURE INSTALLED	TOTAL WATTS ADDED	NET RESULT WATTS	NOTES
HA3-H2 / 1	(2) EG3 (7) EAR (2) EB2R	26 64 64	52 448 128 628	(4) NJ (7) EAR (2) EB2R	34.1 30 30	136.4 210 60 406.4	-221.6	BC1
HA3-H2 / 6	(11) EB2R	64	704	(11) EB2R	30	330	-374	
HA3-H2 / 7	(6) EB2R	64	384	(6) EB2R	30	180	-204	
HA3-ECH2 / 3	(6) EF (1) EF8 (1) EF3	85 170 5	510 170 5 685	(8) NF (2) NF3	67 3.3	536 6.6 542.6	-142.4	
HA3-ECH2 / 5	(2) EF (3) EF3 (3) EF8	85 5 170	170 15 510 695	(8) NF (6) NF3	67 3.3	536 19.8 555.8	-139.2	
HA3-H2 / 9	(1) EB2 (2) EG1 (5) EB2R	64 54 64	64 108 320 492	(2) NB2 (4) NG1 (3) NF6 (5) EB2R (2) EAR	36 34.8 9.2 30 30	72 139.2 27.6 150 60 448.8	-43.2	BC1
HA3-H2 / 11	(2) EB2 (4) EG1 (1) EF8 (1) EB2R	64 54 170 64	128 216 170 64 578	(4) NB2 (8) NG1 (2) NF6 (1) EB2R	36 34.8 9.2 30	144 278.4 18.4 30 470.8	-107.2	
HA3-H2 / 13	(1) EB2 (2) EG1 (1) EB2R	64 54 64	64 108 64 236	(2) NB2 (1) NF6 (4) NG1 (1) EB2R	36 9.2 34.8 30	72 9.2 139.2 30 250.4	+14.4	#1
HB3-H3 / 5	(2) EF6 (2) EG3 (1) EC5 (1) EB2 (2) EG1 (3) EB2R	32 26 32 64 54 64	32 26 32 64 108 192 454	(4) NF6 (2) NG3 (2) NG4 (2) NB2 (4) NG1 (3) EB2R	9.2 16 24 36 34.8 30	36.8 32 48 72 139.2 90 418	-36	
HB3-H3 / 1	(2) EA (2) EB2R	64 64	128 128 256 BC1	(2) NJ (2) EB2R	34.1 30	68.2 60 128.2	-127.8	BC1
HB3-H3 / 2	(2) EB2 (4) EG1 (4) EB2R	64 54 64	128 216 256 600	(4) NB2 (8) NG1 (6) NF6 (4) EB2R	36 34.8 9.2 30	144 278.4 55.2 120 597.6	-2.4	
HA3-ECH2 / 9	(7) EF (1) EF3	85 5	595 15 610	(9) NF (4) NF3	67 3.3	603 13.2 616.2	-6.2	
HA3-ECH2 / 11	(4) EF (1) EF3 (1) EF8	85 5 170	340 5 170 515	(6) NF (4) NF3 (2) NJ	67 3.3 34.1	402 13.2 68.2 483.4	-31.6	BC2
HA3-ECH2 / 1	(1) EA (3) EG1	64 54	64 162 226	(1) NA (3) NG1 (1) ND	18 34.8 17.5	18 107.4 17.5 142.9	-83.1	
HA3-ECH2 / 7	(10) EF	85	850	(11) NF	67	737	-113	
HB3-H3-1	(3) EG1	54	162	(3) NG1	34.8	104.7	-57.3	
HB3-H3 / 3	(13) EB2R	64	832	(13) EB2R	30	390	-442	
HB3-H3 / 4	(1) EF6 (1) EG3 (1) EC5 (4) EB2R	32 26 32 64	32 26 32 256 346	(3) NF6 (1) NG3 (1) NG4 (4) EB2R	9.2 16 24 30	27.6 16 24 120 187.6	-158.4	
HB3-H3 / 6	(7) EB2R	64	448	(7) EB2R (4) NF6	30 9.2	210 36.8 246.8	-201.2	
HA3-ELH2 / 1	(1) EAR	64	64	(1) EAR	30	30	-34	
HA3-ELH2 / 3	(21) EB2R (4) EB3R	64 90	1344 360 1704	(21) EB2R (4) EB3R	30 30	630 120 750	-954	

NOTE #1: REFER TO THE RESPECTIVE PANEL SCHEDULE FOR CIRCUIT LOAD CAPACITY VERIFICATION.

⚠ PHASE 1 • RELOCATE / REMOVE POWER LOAD MATRIX

PANEL / CIRCUIT	REMOVE LOAD: REMOVE	INSTALL / ADD LOAD: INSTALL	NET RESULT	NOTES
HA3-ECL2-7	4 DUPLEX	4 DUPLEX	EVEN	
HA3-ECL2-9	4 DUPLEX	4 DUPLEX	EVEN	
HB3-ECL3-8	4 DUPLEX	4 DUPLEX	EVEN	
HB3-ECL3-10	1 DUPLEX	1 DUPLEX	EVEN	
HA3-ECL3-12	3 DUPLEX	3 DUPLEX	EVEN	
HB3-ECL3-20	4 DUPLEX	4 DUPLEX	EVEN	
HA3-L2-2	2 DUPLEX	2 DUPLEX	EVEN	
HA3-L2-7	2 DUPLEX	2 DUPLEX	EVEN	
HA3-L2-9	1 DUPLEX + 1 JBOX	1 DUPLEX	- 1 JBOX	
HA3-L2-11	2 DUPLEX	2 DUPLEX	EVEN	
HB3-L3-2	1 DUPLEX	1 DUPLEX	EVEN	
HB3-L3-4	1 DUPLEX	1 DUPLEX	EVEN	
HB3-L3-6	1 DUPLEX	1 DUPLEX	EVEN	
HB3-L3-7	1 DUPLEX	1 DUPLEX	EVEN	
HB3-L3-8	1 DUPLEX	1 DUPLEX	EVEN	
HB3-L3-10	1 DUPLEX	1 DUPLEX	EVEN	
HB3-L3-11	1 DUPLEX	1 DUPLEX	EVEN	
HB3-L3-12	1 DUPLEX	1 DUPLEX	EVEN	
HB3-L3-13	1 DUPLEX	1 DUPLEX	EVEN	
HB3-L3-14	3 DUPLEX	3 DUPLEX	EVEN	
HB3-L3-15	1 DUPLEX	1 DUPLEX	EVEN	
HB3-L3-16	1 DUPLEX	1 DUPLEX	EVEN	
HB3-L3-17	1 DUPLEX	1 DUPLEX	EVEN	
HB3-L3-19	1 DUPLEX	1 DUPLEX	EVEN	
HB3-L3-18	1 DUPLEX	1 DUPLEX	EVEN	
HB3-L3-21	1 DUPLEX	1 DUPLEX	EVEN	
HB3-L3-20	1 DUPLEX	1 DUPLEX	EVEN	
HB3-L3-22	1 DUPLEX	1 DUPLEX	EVEN	
HB3-L3-23	1 DUPLEX	1 DUPLEX	EVEN	
HB3-L3-24	1 DUPLEX	1 DUPLEX	EVEN	
HB3-L3-25	1 DUPLEX	1 DUPLEX	EVEN	
HB3-L3-26	1 DUPLEX	1 DUPLEX	EVEN	
HB3-L3-28	1 DUPLEX	1 DUPLEX	EVEN	
HB3-L3-30	1 DUPLEX	1 DUPLEX	EVEN	
HB3-L3-33	4 DUPLEX	4 DUPLEX	EVEN	
HB3-L3-43	1 DUPLEX	1 DUPLEX	EVEN	
HB3-L3-44	1 DUPLEX	1 DUPLEX	EVEN	
HB3-L3-45	1 DUPLEX	1 DUPLEX	EVEN	
HB3-L3-46	1 DUPLEX	1 DUPLEX	EVEN	
HB3-L3-47	1 DUPLEX	1 DUPLEX	EVEN	
HB3-L3-48	1 DUPLEX	1 DUPLEX	EVEN	

⬭ <E> LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION
EA	EXISTING 2 X 4 RECESSED FLUORESCENT TWO LAMP FIXTURE WITH REGRESSED DOOR AND ACRYLIC LENS. 64 INPUT WATTS
EB2	EXISTING 2 X 2 RECESSED FLUORESCENT TWO LAMP FIXTURE WITH REGRESSED DOOR AND ACRYLIC LENS. 64 INPUT WATTS
EC5	EXISTING SURFACE MOUNTED FLUORESCENT FIXTURE WITH LUMINOUS BOWL. 32 INPUT WATTS
EF	EXISTING 4 FOOT LONG, 7 INCH DIAMETER ROTATABLE WALL MOUNTED DIRECT / INDIRECT FLUORESCENT FIXTURE AT PATIENT HEADWALL LOCATION. CAREFULLY REMOVE AND DELIVER TO THE OWNER FOR THEIR USE. EXISTING = 85 INPUT WATTS
EF3	EXISTING FLUSH IN-WALL COMPACT FLUORESCENT NIGHTLIGHT. EXISTING = 5 INPUT WATTS
EF6	EXISTING WALL MOUNT FLUORESCENT SCONCE. EXISTING = 32 INPUT WATTS
EF8	EXISTING 8 FOOT LONG,7 INCH DIAMETER ROTATABLE WALL MOUNTED DIRECT / INDIRECT FLUORESCENT FIXTURE AT PATIENT HEADWALL LOCATION. CAREFULLY REMOVE AND DELIVER TO THE OWNER FOR THEIR USE. EXISTING = 170 INPUT WATTS
EG1	EXISTING RECESSED COMPACT FLUORESCENT DOWNLIGHT EXISTING = 54 INPUT WATTS
EG3	EXISTING COMPACT FLUORESCENT FLUSH IN SHOWER CEILING DOWNLIGHT. EXISTING = 26 INPUT WATTS

⬭ RETROFIT <E> LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION
EAR	EXISTING 2 X 4 RECESSED FLUORESCENT TWO LAMP FIXTURE WITH REGRESSED DOOR AND ACRYLIC LENS. CLEAN FIXTURE INTERIOR AND ALL SURFACES OF THE DOOR AND BOTH SIDES OF THE LENS. REMOVE EXISTING BALLAST(S) WIRING, SOCKETS, ETC. RETROFIT THE EXISTING FIXTURE BODY. 4000K, 120-277VAC, 82 CRI, SET AT 4700 LUMENS. NO CHANGE IN <E> ON-OFF FUNCTION CONTROLLED BY <E> SWITCH. FIXTURES ON LIFE SAFETY BRANCH REMAIN UNSWITCHED. LITETRONICS ##RFM2T440A EXISTING = 64 INPUT WATTS RETROFITTED = 30 INPUT WATTS
EBR	EXISTING 2 X 2 RECESSED FLUORESCENT TWO LAMP FIXTURE WITH DEEP CELL PARABOLIC LOUVERS. CLEAN FIXTURE INTERIOR AND ALL PARABOLIC LOUVER SURFACES. REMOVE EXISTING BALLAST(S) WIRING, SOCKETS, ETC. RETROFIT THE EXISTING FIXTURE BODY. 4000K, 120-277VAC, 82 CRI, SET AT 4700 LUMENS. NO CHANGE IN <E> ON-OFF FUNCTION CONTROLLED BY <E> SWITCH. FIXTURES ON LIFE SAFETY BRANCH REMAIN UNSWITCHED. LITETRONICS ##RFMT3240A EXISTING = 64 INPUT WATTS RETROFITTED = 30 INPUT WATTS
EB2R	EXISTING 2 X 2 RECESSED FLUORESCENT TWO LAMP FIXTURE WITH REGRESSED DOOR AND ACRYLIC LENS. CLEAN FIXTURE INTERIOR AND ALL SURFACES OF THE DOOR AND BOTH SIDES OF THE LENS. REMOVE EXISTING BALLAST(S) WIRING, SOCKETS, ETC. RETROFIT THE EXISTING FIXTURE BODY. 4000K, 120-277VAC, 82 CRI, SET AT 4700 LUMENS. NO CHANGE IN <E> ON-OFF FUNCTION CONTROLLED BY <E> SWITCH. FIXTURES ON LIFE SAFETY BRANCH REMAIN UNSWITCHED. LITETRONICS ##RFMT3240A EXISTING = 64 INPUT WATTS RETROFITTED = 30 INPUT WATTS
EB3R	EXISTING 2 X 2 RECESSED FLUORESCENT THREE LAMP FIXTURE WITH DEEP CELL PARABOLIC LOUVERS. CLEAN FIXTURE INTERIOR AND ALL PARABOLIC LOUVER SURFACES. REMOVE EXISTING BALLAST(S) WIRING, SOCKETS, ETC. RETROFIT THE EXISTING FIXTURE BODY WITH LITETRONICS RETROFIT KIT. 4000K, 120-277VAC, 82 CRI, SET AT 4700 LUMENS. NO CHANGE IN <E> ON-OFF FUNCTION CONTROLLED BY <E> SWITCH. FIXTURES ON LIFE SAFETY BRANCH REMAIN UNSWITCHED. LITETRONICS ##RFMT3240A EXISTING = 90 INPUT WATTS RETROFITTED = 30 INPUT WATTS

⬭ <N> LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION
NA	NEW NOMINAL 3 FOOT LONG INDIVIDUAL MOUNT UNDERCABINET LED FIXTURE, 4,000K COLOR TEMP. MATTE WHITE ANTIMICROBIAL FINISH. KENALL #MAUCLED-I-MW-16L40K-36-VOLTAGE TO SUIT- 18.0 INPUT WATTS WEIGHT = LESS THAN 15 LBS
NB2	NEW 2X2 CEILING RECESSED LED FIXTURE WITH SMOOTH ACRYLIC CURVED CONCAVE LENS. 4000K COLOR TEMP, NOMINAL 4,000 LUMENS. NO PHOTOCELL, NO SENSOR. WIRED N-LITE CONTROL. GENERIC 0-10V DIMMING DRIVER. LITHONIA # ENVX-2X2-HRG-4000LM-80CRI-40K-ZT-VOLTS TO SUIT-NO EM-NIO. SEE CL2.80 A671.2 36 INPUT WATTS WEIGHT = LESS THAN 30 LBS
ND	NEW 6 INCH DIA. LED DOWNLIGHT WITH CLEAR ALZAK CONE. 4000K COLOR TEMP. 0-10V DIMMING DRIVER TO 10%. LITHONIA #LDN6-40/-15-L06-AR-LSS-TRW-VOLTS TO SUIT-GZ10-(NO EM)- 17.5 INPUT WATTS WEIGHT = LESS THAN 20 LBS
NF	NEW 49 INCH LONG DIRECT INDIRECT LED PATIENT BED HEADWALL LIGHT FIXTURE. UPLIGHT (AMBIENT) AND DOWNLIGHT (READING) COMPONENTS SEPARATELY SWITCHED. TOP AND BOTTOM LENSES. ANTIMICROBIAL FOR ALL PAINTED SURFACES. EASY-CLEAN "OLIN LUMICOR" OYSTER COLOR ACRYLIC DIFFUSER FACE AND BLADE SILVER END CAPS. WITH LOW VOLTAGE PATIENT INTERFACE CONTROLLABLE BY PILLOW SPEAKER / NURSE CALL REMOTE. 4000K, 120 VAC. MOUNT AT 6 FEET AFF. VISA LIGHTING #CB1904-L40K-MVOLT-(STANDARD 80CRI)-BSIL-AMC-LVPC-DIM 67 INPUT WATTS
NF3	NEW SURFACE LOW PROFILE VERTICAL ORIENTED RECTANGULAR LED NIGHTLIGHT. NOMINAL 5.6" TALL X 3.7" WIDE X 1.25" DEEP ON FLUSH MOUNT BOX. ANTIMICROBIAL MATTE WHITE FINISH. MOUNT IN LINE WITH RECEPTACLES. 4000K, 277 VAC. KENALL #MCSL-VR-MW-2L40K-MULTI-VOLT- 3.3 INPUT WATTS. WEIGHT = LESS THAN 1 LBS
NF6	NEW WALL MOUNT, NOMINAL 2 FOOT LONG WALL MOUNT LED SCONCE ON WALL ABOVE NEW SINK. SINGLE CIRCUIT. SOLID FACE. 4000K, 120 VAC. NOMINAL 1,035 LUMENS. FINELITE #17-LED-VCF-SF-2 FOOT-BOOSTED-840-VOLTS TO SUIT-SC 9.2 INPUT WATTS. WEIGHT = LESS THAN 20 LBS
NG1	NEW 6 INCH DIA. LED DOWNLIGHT WITH CLEAR ALZAK CONE. 4000K COLOR TEMP. 0-10V DIMMING DRIVER TO 10%. NOMINAL 3000 LUMEN. LITHONIA #LDN6-40/-30-L06-AR-LSS-TRW-VOLTS TO SUIT-GZ10-(NO EM)- 34.8 INPUT WATTS WEIGHT = LESS THAN 20 LBS
NG3	NEW CEILING SURFACE MOUNT DAMP LOCATION FIXTURE WITH NOMINAL 11 INCH DIA X 3 INCH TALL MILK WHITE ACRYLIC DIFFUSER. 1100 LUMENS. 4000K, 120 VAC. LITHONIA #FMLRL-11-148-40 16 INPUT WATTS WEIGHT = LESS THAN 20 LBS
NG4	NEW CEILING SURFACE MOUNT DAMP LOCATION FIXTURE WITH NOMINAL 14 INCH DIA X 3.25 INCH TALL MILK WHITE ACRYLIC DIFFUSER. 1600 LUMENS. 4000K, 120 VAC. LITHONIA #FMLRL-14-208-40 24 INPUT WATTS WEIGHT = LESS THAN 20 LBS
NH	NEW 2X4 LED LAY-IN FIXTURE. 4000K COLOR TEMP. ACRYLIC PRISMATIC LENS. NOMINAL 4500 LUMENS. LITHONIA #2GTL4-4400LM-LP840-VOLTAGE TO SUIT (CI-237C2A) SEE CL2.80 A671.2 34.1 INPUT WATTS. WEIGHT = LESS THAN 30 LBS
NJ	NEW 2X4 LED SURFACE MOUNT FIXTURE. 4000K COLOR TEMP. ACRYLIC PRISMATIC LENS. NOMINAL 4500 LUMENS. LITHONIA #2GTL4-4400LM-LP840-VOLTAGE TO SUIT (CI-237C2A) WITH SURFACE MOUNT KIT. 34.1 INPUT WATTS. BC1

Int • Elect Engineering Incorporated
1487 Finch Lane
Gilroy, California 95020
(408) 846-7171

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*** READ THE SPECIFICATIONS !**

READ THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. IN CASE OR CONFLICT BETWEEN SPECIFICATIONS AND DRAWINGS THE MORE RESTRICTIVE REQUIREMENTS SHALL TAKE PRECEDENCE.

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INTERIOR DESIGNER
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DENVER, CO. 80203
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Natividad MEDICAL CENTER

NATIVIDAD MEDICAL CENTER

MEDICAL SURGERY DEPARTMENT LEVEL 3

1441 CONSTITUTION BOULEVARD
SALINAS, CA 93906

HCAI RECORD NUMBER: S240593-27-00
HCAI FACILITY ID: 17353

KEYPLAN

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
4/9/2025, 1:09:36 PM
S2400593-27-00
Russell Rocker

HCAI APPROVAL

REGISTERED PROFESSIONAL ENGINEER JOHAN PERSSON No. E 19560 Exp. 6-30-25 ELECTRICAL STATE OF CALIFORNIA
03/11/25

AGENCY APPROVAL

NO	DESCRIPTION	DATE
BC1	BACKCHECK#1	12/13/2024
BC2	BACKCHECK#2	03/14/2025

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

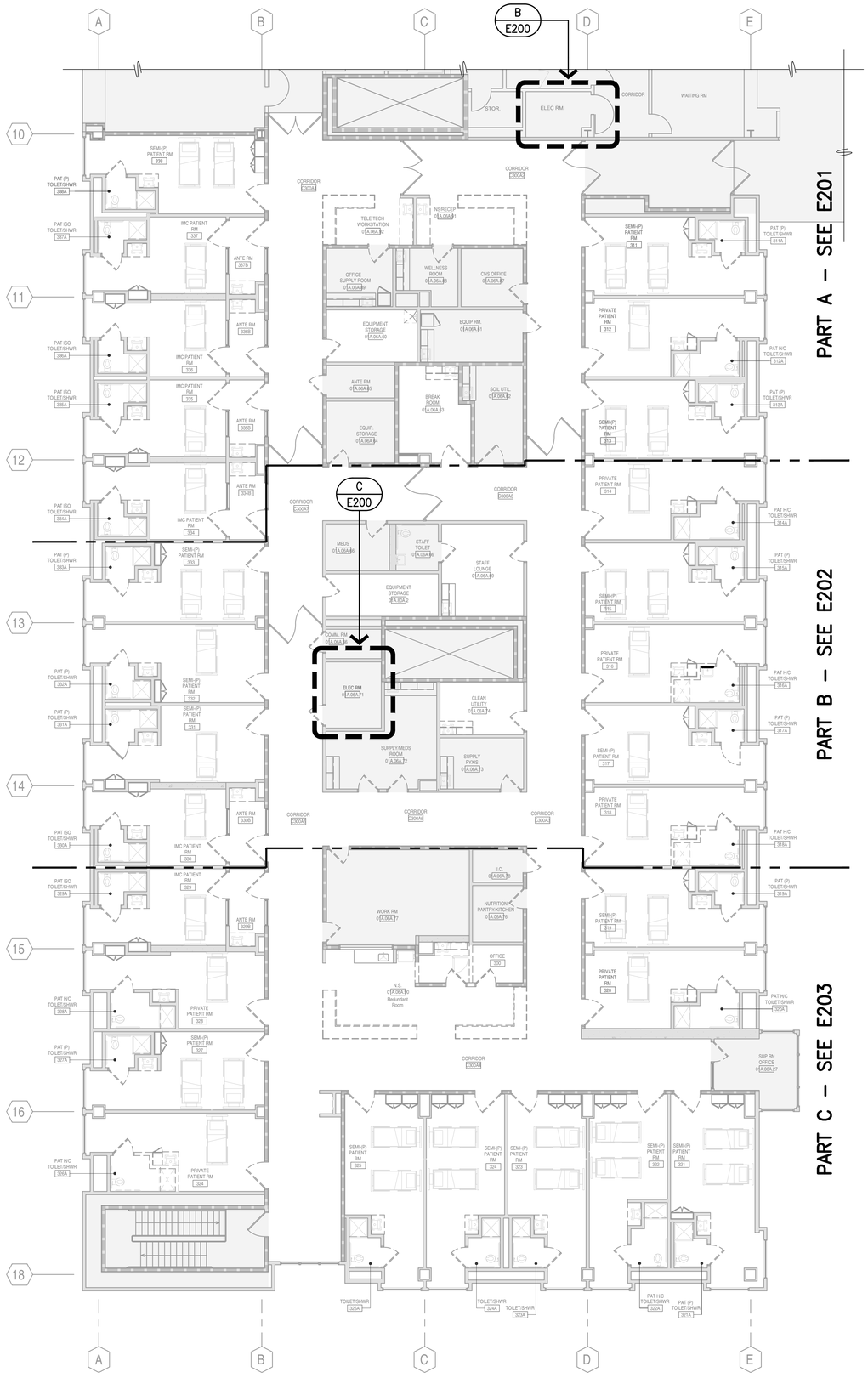
REMOVE LOAD MATRIX & LTG FIXTURE SCHEDULES

DATE: APRIL 16, 2024

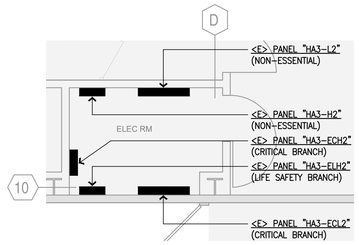
CONSTRUCTION DOCUMENTS

E104

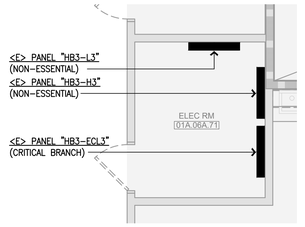
CONSTRUCTION DOCUMENT



A THIRD FLOOR OVERALL LIGHTING PLAN (<E> CONDITION SHOWN)
SCALE: 1/8" = 1'-0"



B ELECTRICAL ROOM
SCALE: 1/4" = 1'-0"



C ELECTRICAL ROOM
SCALE: 1/4" = 1'-0"

SHEET NOTES

(NONE).

CONSTRUCTION PLAN LEGEND

SEE A010 FOR ALL GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS

	(E) CONSTRUCTION TO REMAIN
	(N) CONSTRUCTION
	TEMPORARY CONSTRUCTION

ASSEMBLY RATING

0	ZERO HOUR
1	ONE HOUR RATED
2	TWO HOUR RATED
3	THREE HOUR RATED
4	FOUR HOUR RATED

TYPE OF ASSEMBLY

W	FIRE WALL	S	SMOKE BARRIER
B	FIRE BARRIER	SP	SMOKE PARTITIONS
P	FIRE PARTITION	ST	RESIST PASSAGE OF SMOKE
E	EXISTING AND RATED		

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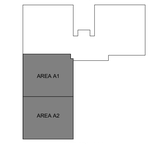

KEYPLAN

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APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
4/9/2025, 1:09:36 PM
S240593-27-00
Russell Rocker

HCAI APPROVAL

REGISTERED PROFESSIONAL ENGINEER
No. E 19560
Exp. 6-30-25
ELECTRICAL
STATE OF CALIFORNIA
04/23/24

NO	DESCRIPTION	DATE

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HGA NO: 3707-016-00

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(408) 846-7171

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*** READ THE SPECIFICATIONS !**

READ THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. IN CASE OF CONFLICT BETWEEN SPECIFICATIONS AND DRAWINGS THE MORE RESTRICTIVE REQUIREMENTS SHALL TAKE PRECEDENCE.

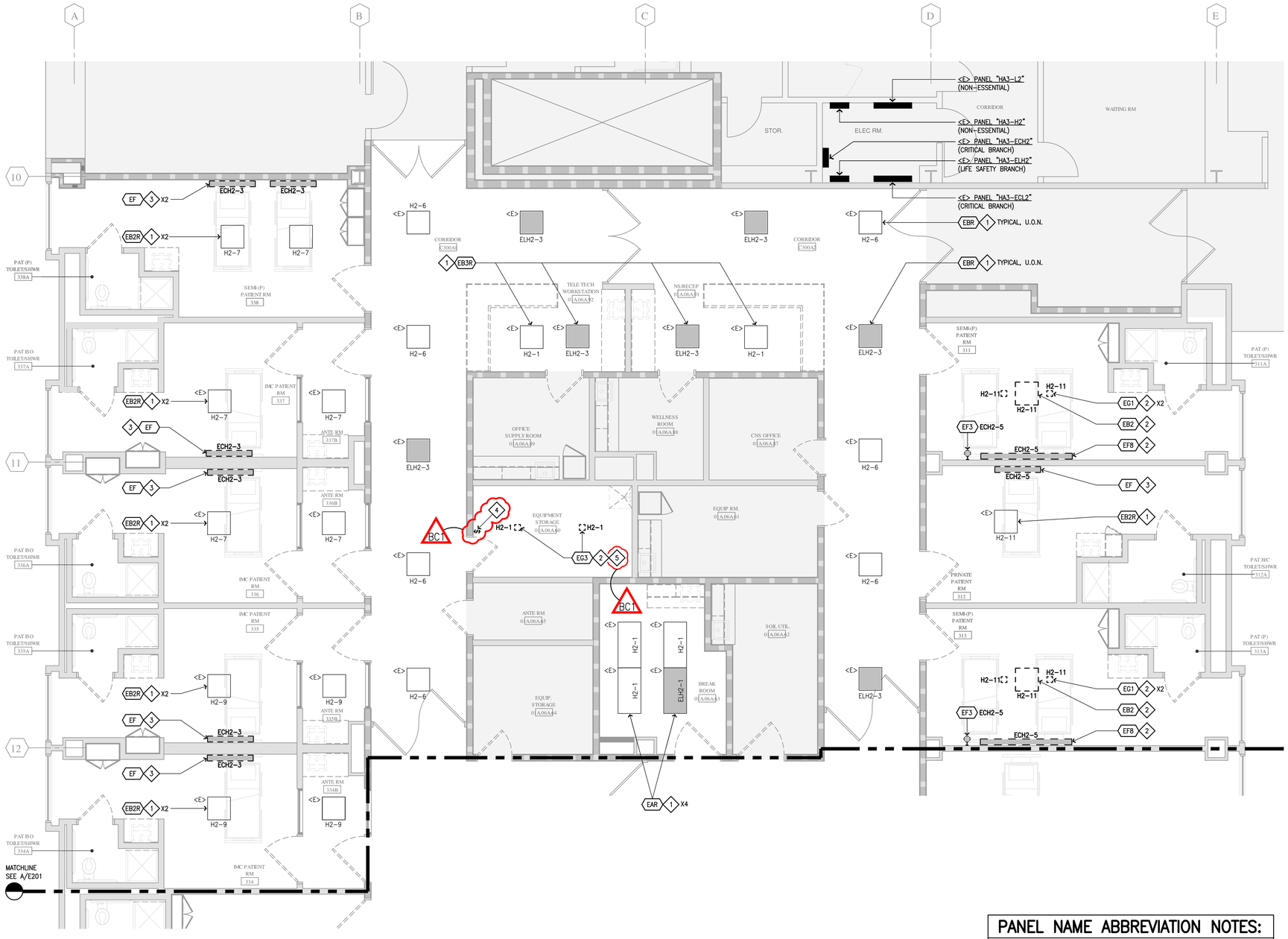
OVERALL LIGHTING PLAN

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

E200

CONSTRUCTION DOCUMENT



SHEET NOTES

1. RETROFIT EXISTING FLUORESCENT FIXTURE WITH NEW LED LAMPS. EXISTING LIGHTING CONTROLS SHALL REMAIN AS-IS. REFER TO THE 'RETROFIT <E> LIGHT FIXTURE SCHEDULE' FOR ADDITIONAL INFORMATION.
2. REMOVE EXISTING LIGHT FIXTURE AND ASSOCIATED OUTLET BOX. REMOVE EXISTING ASSOCIATED CONDUIT AND CONDUCTORS BACK TO LAST REMAINING ACTIVE OUTLET DEVICE AND OR SOURCE PANEL. REFER TO THE NEW WORK LIGHTING PLAN FOR NEW WORK (ADDING FIXTURES).
3. REMOVE EXISTING LIGHT FIXTURE AND ASSOCIATED OUTLET BOX. REMOVE EXISTING ASSOCIATED CONDUIT AND CONDUCTORS BACK AS REQUIRED TO ALLOW FOR NEW LIGHT FIXTURE OUTLET BOX. REFER TO THE NEW WORK LIGHTING PLAN FOR NEW WORK (REPLACEMENT LIGHT FIXTURE).
4. FURNISH AND INSTALL EXTENSION RING TO FACILITATE ADDED LAYER OF GYP. BOARD.
5. CEILING IS BEING CONVERTED TO GYP-BOARD. RECONFIGURE ABOVE CEILING CONDUIT AND BOXES AS MAY BE REQUIRED TO FACILITATE THE CEILING WORK.

BC1

NOTES:

1. COORDINATE AND PROVIDE ALL ELECTRICAL DEMOLITION REQUIRED TO ALLOW FOR THE REMOVAL OF WALLS, ETC. WITH ALL OTHER TRADES.
2. REFER TO DEMOLITION NOTES PORTION OF THE GENERAL NOTES. REFER TO NEW WORK PLANS FOR ADDITIONAL INFORMATION.

CONSTRUCTION PLAN LEGEND

SEE A010 FOR ALL GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS

	(E) CONSTRUCTION TO REMAIN
	(N) CONSTRUCTION
	TEMPORARY CONSTRUCTION

ASSEMBLY RATING

0	ZERO HOUR
1	ONE HOUR RATED
2	TWO HOUR RATED
3	THREE HOUR RATED
4	FOUR HOUR RATED

TYPE OF ASSEMBLY

W	FIRE WALL	S	SMOKE BARRIER
B	FIRE BARRIER	SP	SMOKE PARTITIONS
P	FIRE PARTITION	ST	RESIST PASSAGE OF SMOKE
E	EXISTING AND RATED		

PANEL NAME ABBREVIATION NOTES:

ABBREVIATION:	UNLESS OTHERWISE NOTED, THE FULL NAME IS:
"H2"	"HA3-H2"
"L2"	"HA3-L2"
"ECH2"	"HA3-ECH2"
"ECL2"	"HA3-ECL2"
"ELH2"	"HA3-ELH2"
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"ECL3"	"HB3-ECL3"

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Project No. 22110

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A LIGHTING DEMOLITION PLAN – PART A

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

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MEDICAL SURGERY DEPARTMENT LEVEL 3

1441 CONSTITUTION BOULEVARD
SALINAS, CA 93906

HCAI RECORD NUMBER: S240593-27-00
HCAI FACILITY ID: 17353

KEYPLAN

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
4/9/2025, 1:09:36 PM
S240593-27-00
Russell Rocker

HCAI APPROVAL

12/04/24

AGENCY APPROVAL

NO	DESCRIPTION	DATE
BC1	BACKCHECK#1	12/13/2024

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

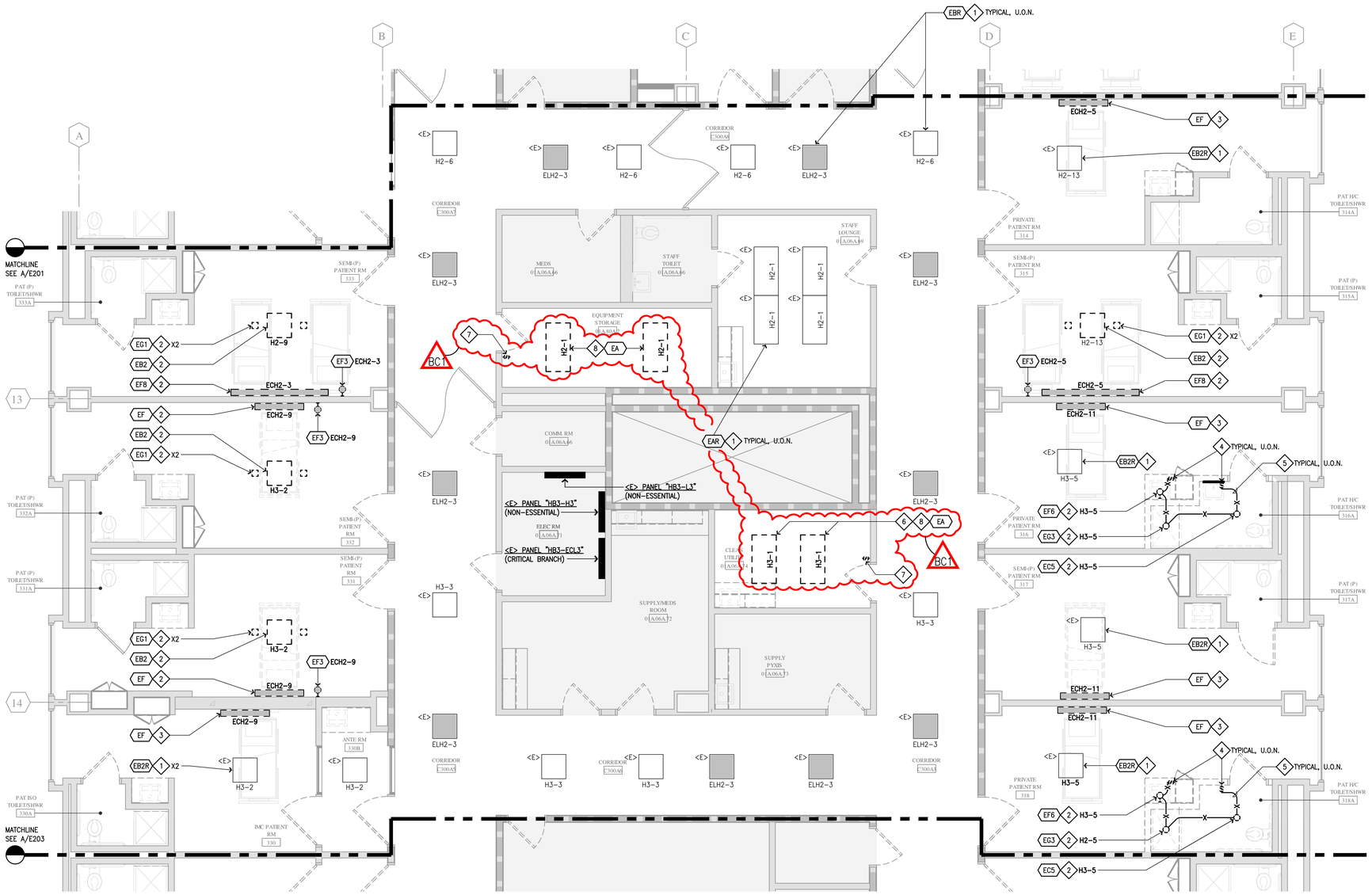
LIGHTING DEMOLITION PLAN - PART A

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

E201

CONSTRUCTION DOCUMENT



SHEET NOTES

1. RETROFIT EXISTING FLUORESCENT FIXTURE WITH NEW LED LAMPS. EXISTING LIGHTING CONTROLS SHALL REMAIN AS-IS. REFER TO THE "RETROFIT <E> LIGHT FIXTURE SCHEDULE" FOR ADDITIONAL INFORMATION.
2. REMOVE EXISTING LIGHT FIXTURE AND ASSOCIATED OUTLET BOX. REMOVE EXISTING ASSOCIATED CONDUIT AND CONDUCTORS BACK TO LAST REMAINING ACTIVE OUTLET DEVICE AND OR SOURCE PANEL. REFER TO THE NEW WORK LIGHTING PLAN FOR NEW WORK (ADDING FIXTURES).
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4. REMOVE EXISTING DEVICE AND ASSOCIATED OUTLET BOX. REMOVE EXISTING ASSOCIATED CONDUIT AND CONDUCTORS BACK TO LAST REMAINING ACTIVE OUTLET DEVICE AND OR SOURCE PANEL.
5. REMOVE EXISTING CONDUIT AND CONDUCTORS. NOT ALL SHOWN AND NOT ALL SHOWN WITH THIS SHEET NOTE TAG.
6. DISCONNECT FROM EXISTING CIRCUIT. REFER TO E205 FOR NEW CIRCUIT AND ADDITIONAL INFORMATION.
7. FURNISH AND INSTALL EXTENSION RING TO FACILITATE ADDED LAYER OF GYP. BOARD.
8. CEILING IS BEING CONVERTED TO GYP-BOARD. RECONFIGURE ABOVE CEILING CONDUIT AND BOXES AS MAY BE REQUIRED TO FACILITATE THE CEILING WORK.

BC1

NOTES:

1. COORDINATE AND PROVIDE ALL ELECTRICAL DEMOLITION REQUIRED TO ALLOW FOR THE REMOVAL OF WALLS, ETC. WITH ALL OTHER TRADES.
2. REFER TO DEMOLITION NOTES PORTION OF THE GENERAL NOTES. REFER TO NEW WORK PLANS FOR ADDITIONAL INFORMATION.

CONSTRUCTION PLAN LEGEND

SEE A010 FOR ALL GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS

	(E) CONSTRUCTION TO REMAIN
	(N) CONSTRUCTION
	TEMPORARY CONSTRUCTION

ASSEMBLY RATING

0	ZERO HOUR
1	ONE HOUR RATED
2	TWO HOUR RATED
3	THREE HOUR RATED
4	FOUR HOUR RATED

TYPE OF ASSEMBLY

W	FIRE WALL	S	SMOKE BARRIER
B	FIRE BARRIER	SP	SMOKE PARTITIONS
P	FIRE PARTITION	ST	RESIST PASSAGE OF SMOKE
E	EXISTING AND RATED		

PANEL NAME ABBREVIATION NOTES:

ABBREVIATION:	UNLESS OTHERWISE NOTED, THE FULL NAME IS:
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"L3"	"HB3-L3"
"ECL3"	"HB3-ECL3"

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Project No. 22110

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A LIGHTING DEMOLITION PLAN – PART B

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

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MEDICAL SURGERY DEPARTMENT LEVEL 3

1441 CONSTITUTION BOULEVARD
SALINAS, CA 93906

HCAI RECORD NUMBER: S240593-27-00
HCAI FACILITY ID: 17353

KEYPLAN

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
4/9/2025, 1:09:36 P.M.
S240593-27-00
Russell Rocker

HCAI APPROVAL

12/04/24

AGENCY APPROVAL

NO	DESCRIPTION	DATE
BC1	BACKCHECK#1	12/13/2024

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

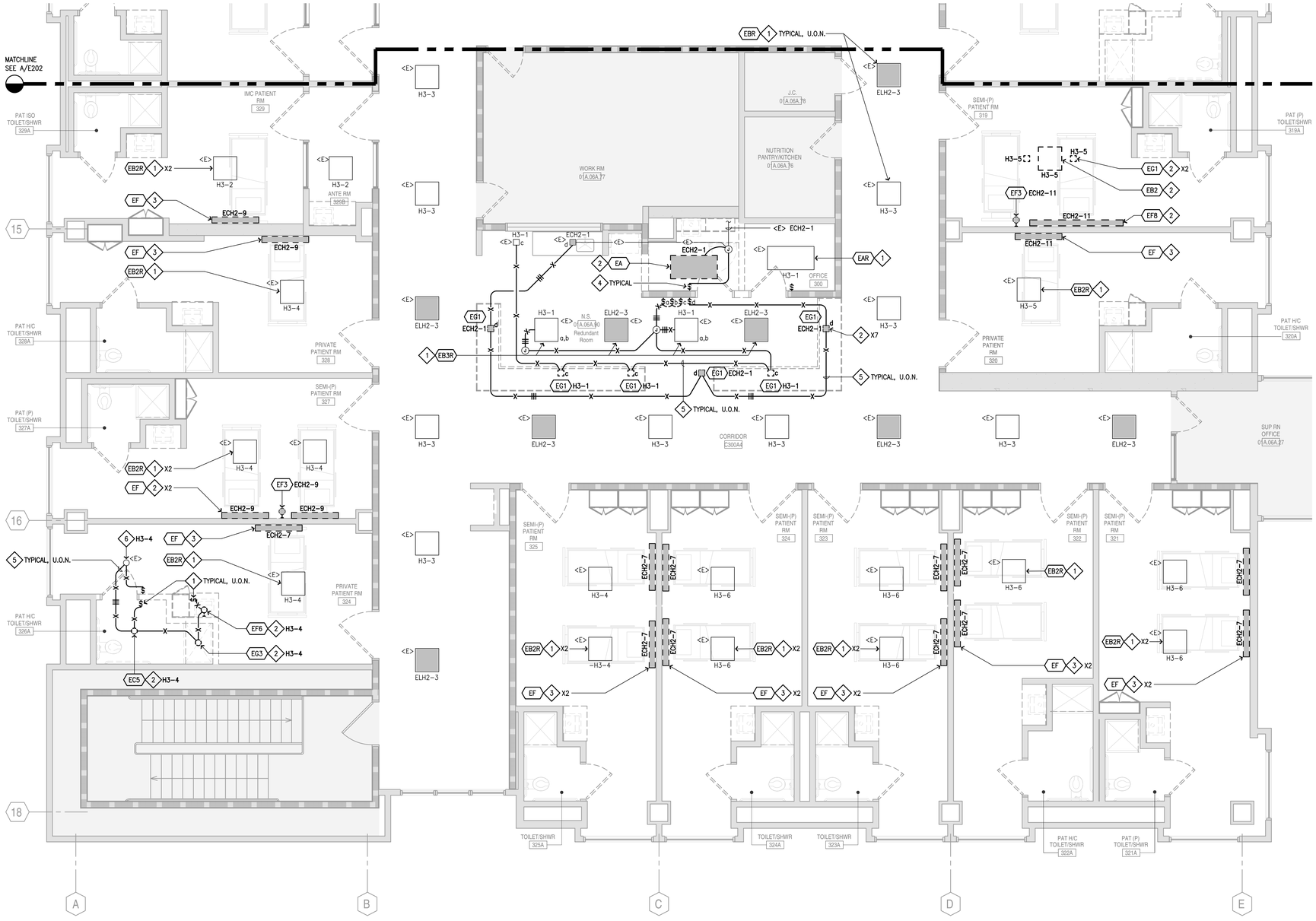
LIGHTING DEMOLITION PLAN - PART B

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

E202

CONSTRUCTION DOCUMENT



SHEET NOTES

1. RETROFIT EXISTING FLUORESCENT FIXTURE WITH NEW LED LAMPS. EXISTING LIGHTING CONTROLS SHALL REMAIN AS-IS. REFER TO THE "RETROFIT <E> LIGHT FIXTURE SCHEDULE" FOR ADDITIONAL INFORMATION.
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4. REMOVE EXISTING DEVICE AND ASSOCIATED OUTLET BOX. REMOVE EXISTING ASSOCIATED CONDUIT AND CONDUCTORS BACK TO LAST REMAINING ACTIVE OUTLET DEVICE AND OR SOURCE PANEL.
5. REMOVE EXISTING CONDUIT AND CONDUCTORS. NOT ALL SHOWN AND NOT ALL SHOWN WITH THIS SHEET NOTE TAG.
6. DISCONNECT WIRING SYSTEM FROM EXISTING FIXTURE. SEE THE RESPECTIVE "LIGHTING PLAN" FOR NEW WORK AT THIS LOCATION.
7. EXISTING WIRING SYSTEM REMAINING. NOT ALL SHOWN AND NOT LIMITED TO THOSE SHOWN WITH THIS SHEET NOTE.

NOTES:

1. COORDINATE AND PROVIDE ALL ELECTRICAL DEMOLITION REQUIRED TO ALLOW FOR THE REMOVAL OF WALLS, ETC. WITH ALL OTHER TRADES.
2. REFER TO DEMOLITION NOTES PORTION OF THE GENERAL NOTES. REFER TO NEW WORK PLANS FOR ADDITIONAL INFORMATION.

CONSTRUCTION PLAN LEGEND

SEE A010 FOR ALL GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS

(E) CONSTRUCTION TO REMAIN	
(N) CONSTRUCTION	
TEMPORARY CONSTRUCTION	

ASSEMBLY RATING

0	ZERO HOUR
1	ONE HOUR RATED
2	TWO HOUR RATED
3	THREE HOUR RATED
4	FOUR HOUR RATED

TYPE OF ASSEMBLY

W	FIRE WALL	S	SMOKE BARRIER
B	FIRE BARRIER	SP	SMOKE PARTITIONS
P	FIRE PARTITION	ST	RESIST PASSAGE OF SMOKE
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"L3"	"HB3-L3"
"ECL3"	"HB3-ECL3"

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Project No. 22110

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A LIGHTING DEMOLITION PLAN – PART C
SCALE: 1/4" = 1'-0"

N

HGA
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Natividad MEDICAL CENTER

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MEDICAL SURGERY DEPARTMENT LEVEL 3

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SALINAS, CA 93906

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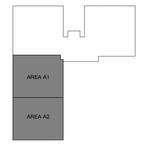

KEYPLAN

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APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
4/9/2025, 1:09:36 PM
S240593-27-00
Russell Rocker

HCAI APPROVAL

REGISTERED PROFESSIONAL ENGINEER
RYAN PERRY
No. E 19566
Exp. 6-30-25
ELECTRICAL
STATE OF CALIFORNIA
04/23/24

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

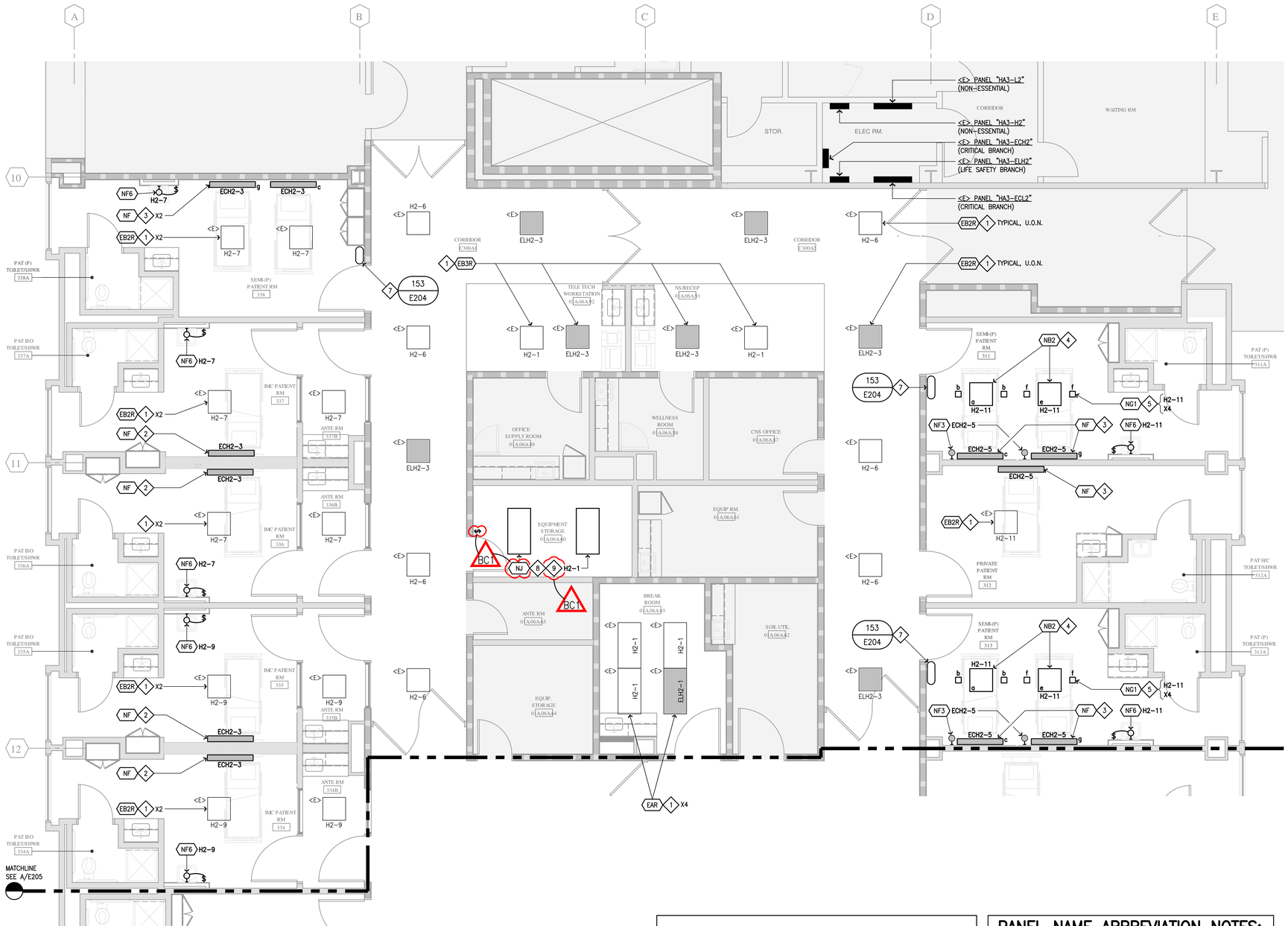
LIGHTING DEMOLITION PLAN - PART C

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

E203

CONSTRUCTION DOCUMENT



SHEET NOTES

1. EXISTING FIXTURE RETROFITTED WITH LED LAMPS REMAINING AS-IS ON THE EXISTING SWITCH(ES). EXISTING LIGHTING CONTROLS SHALL REMAIN AS-IS. REFER TO THE "RELOCATED / REMOVED LIGHTING LOAD MATRIX" ON E104.
2. NEW LED HEADWALL FIXTURE REPLACES EXISTING HEADWALL FIXTURE ON THE SAME CIRCUIT. REFER TO THE RESPECTIVE "RELOCATED / REMOVED LIGHTING LOAD MATRIX" ON E104.
3. NEW LED HEADWALL FIXTURE FOR PRIVATE ROOM TO SEMI-PRIVATE ROOM CONVERSION ON THE SAME CIRCUIT AS THE EXISTING (REMOVED) HEADWALL FIXTURE. REFER TO THE RESPECTIVE "RELOCATED / REMOVED LIGHTING LOAD MATRIX" ON E104.
4. NEW 2X2 LED CEILING FIXTURE FOR PRIVATE ROOM TO SEMI-PRIVATE ROOM CONVERSION ON THE SAME CIRCUIT AS THE EXISTING (REMOVED) CEILING 2X2 HEADWALL FIXTURE. REFER TO THE RESPECTIVE "RELOCATED / REMOVED LIGHTING LOAD MATRIX" ON E104.
5. NEW CEILING LED DOWNLIGHT FIXTURE FOR PRIVATE ROOM TO SEMI-PRIVATE ROOM CONVERSION ON THE SAME CIRCUIT AS THE EXISTING (REMOVED) CEILING 2X2 HEADWALL FIXTURE. REFER TO THE RESPECTIVE "RELOCATED / REMOVED LIGHTING LOAD MATRIX" ON E104.
6. (NOT USED).
7. GROUP OF NEW FLUSH IN WALL SWITCHES.
8. CONNECT TO BE CONTROLLED BY THE EXISTING WALL SWITCH ON THE EXISTING CIRCUIT.
9. CEILING IS BEING CONVERTED TO GYP-BOARD. RECONFIGURE ABOVE CEILING CONDUIT AND BOXES AS MAY BE REQUIRED TO FACILITATE THE CEILING WORK. BC1

LIGHTING CIRCUITING NOTES:

1. ALL NEW LIGHT FIXTURES ON THIS PLAN SHALL BE CONNECTED TO EXISTING BRANCH CIRCUITS IN THE SAME ROOM. LIGHTS ARE NOTED / IDENTIFIED WITH PANEL AND CIRCUIT NUMBER.

   NOTE: INDIVIDUAL CIRCUIT LOAD VERIFICATION IS ON THE "RELOCATED / REMOVED LIGHTING LOAD MATRIX" ON SHEET #E103. PANEL LOAD VERIFICATION IS SHOWN UNDER THE RESPECTIVE PANEL SCHEDULE.
2. EVERY SECTION OF THE CONDUIT / WIRING SYSTEM HAS NOT BEEN SHOWN. THE CONTRACTOR SHALL FURNISH, INSTALL AND CONNECT CONDUITS WITH CONDUCTORS (+ GROUND WIRES) IN ACCORDANCE WITH CODE AND THESE NOTES TO "CONNECT THE DOTS" AND COMPLETE THE ROUTING OF BRANCH CIRCUITS TO PLACE ALL LOADS INTO AND/OR BACK INTO SERVICE.
3. LINE VOLTAGE (120 VAC) WIRING SHALL BE MINIMUM #12 AWG INDIVIDUAL INSULATED CU CONDUCTORS, PLUS A MINIMUM #12 AWG GROUND WIRE, WITH THHN / THWN, 600 VAC INSULATION INSTALLED IN MINIMUM 0.75 INCH CONDUIT U.O.N.
4. UNLESS SPECIFICALLY DIRECTED BY THESE DRAWINGS – DO NOT RUN MORE THAN 3 PHASE CONDUCTORS (A, B, C) + 1 NEUTRAL AND 1 GROUND IN A CONDUIT.
5. MARK THE CIRCUITING / CONDUITS / CONDUCTORS "CONNECTING THE DOTS" ON THE RECORD DRAWINGS.

NOTES:

1. ALL CONDUITS SHALL BE 0.75 INCH, U.O.N.
2. ALL MATERIALS AND WORK SHOWN ON THIS SHEET SHALL BE NEW UNLESS OTHERWISE NOTED OR INDICATED.
3. VERIFY EXACT DEVICE, OUTLET, FIXTURE, SURFACE AND EXPOSED RACEWAY LOCATIONS WITH THE ARCHITECT PRIOR TO COMMENCEMENT OF THE WORK.

CONSTRUCTION PLAN LEGEND

SEE A010 FOR ALL GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS

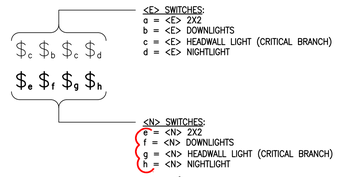
	(E) CONSTRUCTION TO REMAIN
	(N) CONSTRUCTION
	TEMPORARY CONSTRUCTION

ASSEMBLY RATING

0	ZERO HOUR
1	ONE HOUR RATED
2	TWO HOUR RATED
3	THREE HOUR RATED
4	FOUR HOUR RATED

TYPE OF ASSEMBLY

W	FIRE WALL	S	SMOKE BARRIER
B	FIRE BARRIER	SP	SMOKE PARTITIONS
P	FIRE PARTITION	ST	RESIST PASSAGE OF SMOKE
E	EXISTING AND RATED		



153 PATIENT ROOM / BED SWITCHES
SCALE: N.T.S.

PANEL NAME ABBREVIATION NOTES:

ABBREVIATION:	UNLESS OTHERWISE NOTED, THE FULL NAME IS:
"H2"	"HA3-H2"
"L2"	"HA3-L2"
"ECH2"	"HA3-ECH2"
"ECL2"	"HA3-ECL2"
"ELH2"	"HA3-ELH2"
"H3"	"HB3-H3"
"L3"	"HB3-L3"
"ECL3"	"HB3-ECL3"

Int • Elect Engineering Incorporated
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(408) 846-7171
Project No. 22110

*** READ THE SPECIFICATIONS !**

READ THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. IN CASE OF CONFLICT BETWEEN SPECIFICATIONS AND DRAWINGS THE MORE RESTRICTIVE REQUIREMENTS SHALL TAKE PRECEDENCE.

A LIGHTING PLAN – PART A
SCALE: 1/4" = 1'-0"

HGA
222 Sutter Street, Suite 500
San Francisco, California 94108
Telephone 415.814.6910

STRUCTURAL ENGINEER
BUEHLER ENGINEERING
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415.495.1635

MECHANICAL/PLUMBING ENGINEER
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408.846.7171

INTERIOR DESIGNER
GALLUN SNOW
1900 GRANT STREET, SUITE 750,
DENVER, CO. 80203
303.433.9500

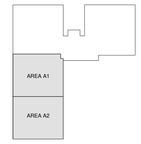
Natividad MEDICAL CENTER

NATIVIDAD MEDICAL CENTER

MEDICAL SURGERY DEPARTMENT LEVEL 3

1441 CONSTITUTION BOULEVARD
SALINAS, CA 93906

HCAI RECORD NUMBER: S240593-27-00
HCAI FACILITY ID: 17353



KEYPLAN

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
4/9/2025, 1:09:36 PM
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Russell Rocker

HCAI APPROVAL

REGISTERED PROFESSIONAL ENGINEER REMAN PEREZ No. E 19566 Exp. 6-30-25 ELECTRICAL STATE OF CALIFORNIA
12/04/24

AGENCY APPROVAL

NO	DESCRIPTION	DATE
BC1	BACKCHECK#1	12/13/2024

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

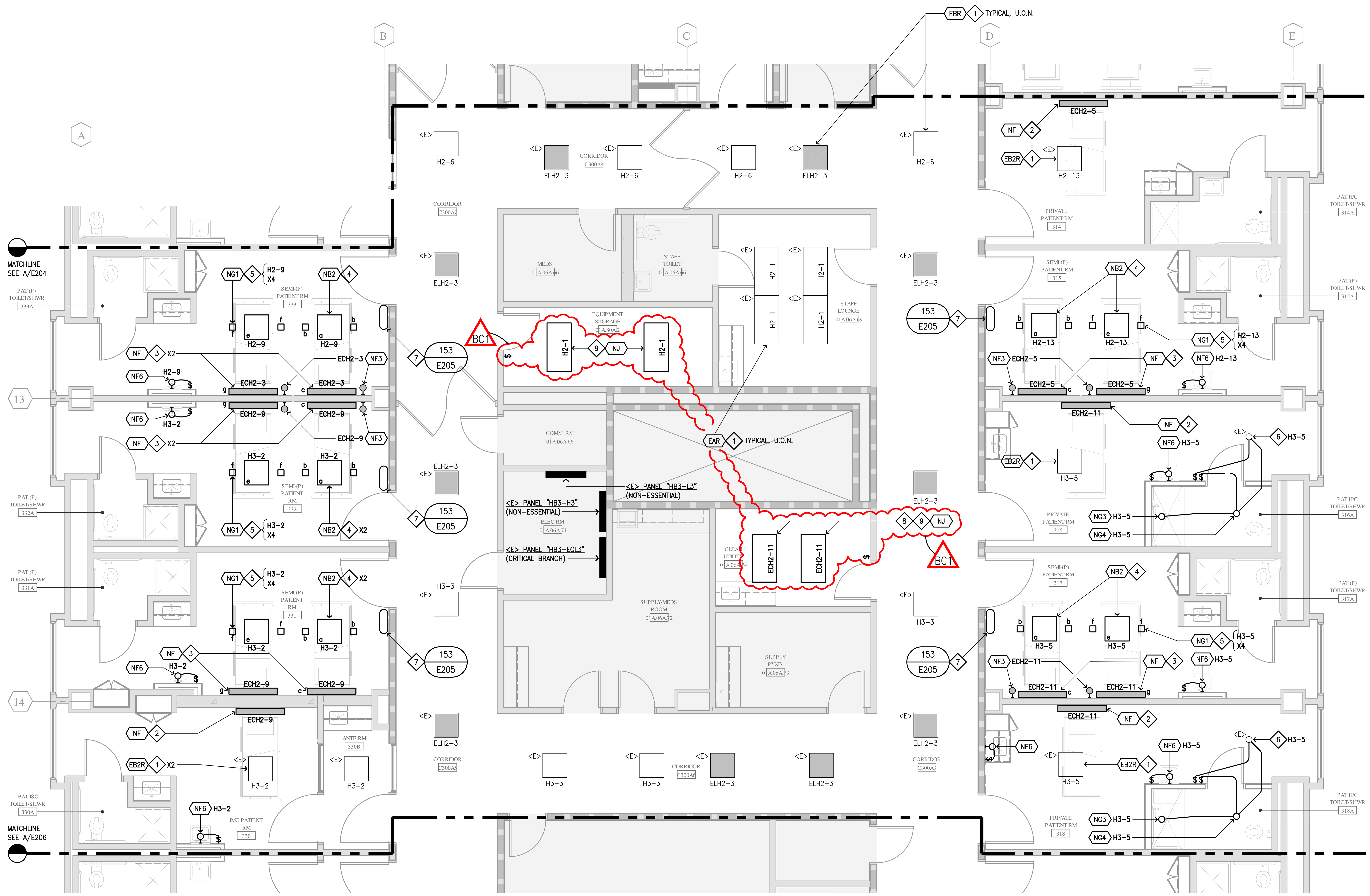
LIGHTING PLAN - PART A

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

E204

CONSTRUCTION DOCUMENT



A LIGHTING PLAN – PART B

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

PANEL NAME ABBREVIATION NOTES:

ABBREVIATION:	UNLESS OTHERWISE NOTED, THE FULL NAME IS:
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"L2"	"HA3-L2"
"ECH2"	"HA3-ECH2"
"ECL2"	"HA3-ECL2"
"ELH2"	"HA3-ELH2"
"H3"	"HB3-H3"
"L3"	"HB3-L3"
"ECL3"	"HB3-ECL3"

$\$_c$ $\$_b$ $\$_c$ $\$_d$

$\$_e$ $\$_f$ $\$_g$ $\$_h$

<E> SWITCHES:
a = <E> 2X2
b = <E> DOWNLIGHTS
c = <E> HEADWALL LIGHT (CRITICAL BRANCH)
d = <E> NIGHTLIGHT

<N> SWITCHES:
e = <N> 2X2
f = <N> DOWNLIGHTS
g = <N> HEADWALL LIGHT (CRITICAL BRANCH)
h = <N> NIGHTLIGHT

153 PATIENT ROOM / BED SWITCHES

SCALE: N.T.S.

SHEET NOTES

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4. NEW 2X2 LED CEILING FIXTURE FOR PRIVATE ROOM TO SEMI-PRIVATE ROOM CONVERSION ON THE SAME CIRCUIT AS THE EXISTING (REMOVED) CEILING 2X2 HEADWALL FIXTURE. REFER TO THE RESPECTIVE "RELOCATED / REMOVED LIGHTING LOAD MATRIX" ON E104.
5. NEW CEILING LED DOWNLIGHT FIXTURE FOR PRIVATE ROOM TO SEMI-PRIVATE ROOM CONVERSION ON THE SAME CIRCUIT AS THE EXISTING (REMOVED) CEILING 2X2 HEADWALL FIXTURE. REFER TO THE RESPECTIVE "RELOCATED / REMOVED LIGHTING LOAD MATRIX" ON E104.
6. CONNECT NEW CONDUIT AND CONDUCTORS.
7. GROUP OF NEW FLUSH IN WALL SWITCHES.
8. CONNECT FIXTURE TO PANEL HA3-H2 (CRITICAL BRANCH) CIRCUIT #1 VIA NEW WIRING SYSTEM (FROM NEARBY STAFF LOUNGE TO THE NORTH). NEW CIRCUIT SHALL NOT SHARE BOX OR CONDUIT WITH OTHER CIRCUITS. THE EXISTING WALL CONTROL SHALL CONTROL THE LIGHTS ON THE NEW CIRCUIT NOTED.
9. CEILING IS BEING CONVERTED TO GYP-BOARD. RECONFIGURE ABOVE CEILING CONDUIT AND BOXES AS MAY BE REQUIRED TO FACILITATE THE CEILING WORK.

BC1

LIGHTING CIRCUITING NOTES:

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3. LINE VOLTAGE (120 VAC) WIRING SHALL BE MINIMUM #12 AWG INDIVIDUAL INSULATED CU CONDUCTORS, PLUS A MINIMUM #12 AWG GROUND WIRE, WITH THHN / THWN, 600 VAC INSULATION INSTALLED IN MINIMUM 0.75 INCH CONDUIT U.O.N.
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NOTES:

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CONSTRUCTION PLAN LEGEND

SEE A010 FOR ALL GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS

	(E) CONSTRUCTION TO REMAIN	
	(N) CONSTRUCTION	
	TEMPORARY CONSTRUCTION	
ASSEMBLY RATING		
0	ZERO HOUR	
1	ONE HOUR RATED	
2	TWO HOUR RATED	
3	THREE HOUR RATED	
4	FOUR HOUR RATED	

TYPE OF ASSEMBLY

W	FIRE WALL	S	SMOKE BARRIER
B	FIRE BARRIER	SP	SMOKE PARTITIONS
P	FIRE PARTITION	ST	RESIST PASSAGE OF SMOKE
E	EXISTING AND RATED		

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Natividad MEDICAL CENTER

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MEDICAL SURGERY DEPARTMENT LEVEL 3

1441 CONSTITUTION BOULEVARD
SALINAS, CA 93906

HCAI RECORD NUMBER: S240593-27-00
HCAI FACILITY ID: 17353

AREA A1
AREA A2
KEYPLAN

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4/9/2025, 1:09:36 PM
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Russell Rocker

HCAI APPROVAL

REGISTERED PROFESSIONAL ENGINEER
ROMAN PERKIS
No. E 19560
Exp. 6-30-25
ELECTRICAL
STATE OF CALIFORNIA
12/04/24

AGENCY APPROVAL

NO	DESCRIPTION	DATE
BC1	BACKCHECK#1	12/13/2024

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

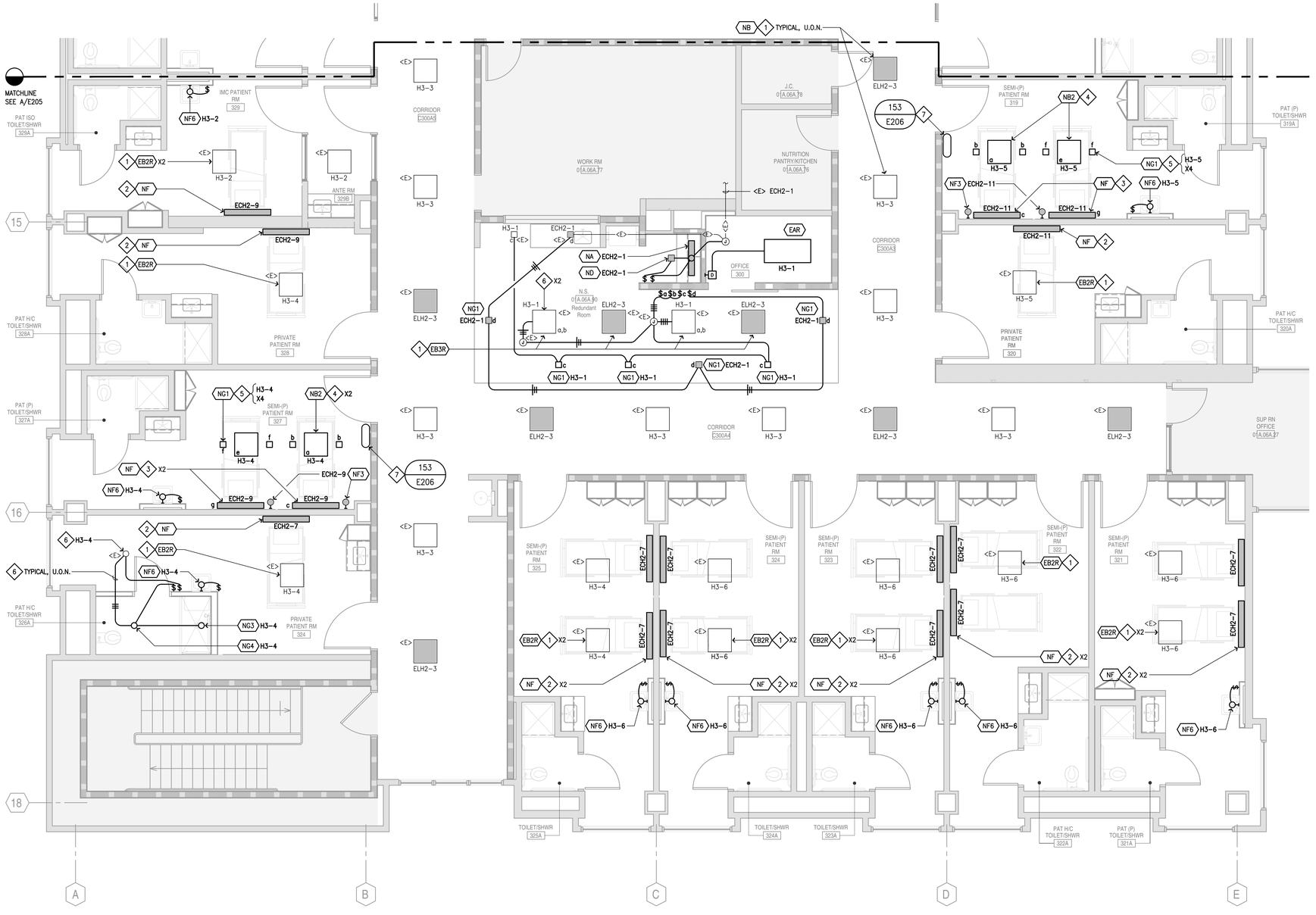
LIGHTING PLAN - PART B

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

E205

CONSTRUCTION DOCUMENT



SHEET NOTES

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6. CONNECT NEW CONDUIT AND CONDUCTORS.
7. GROUP OF NEW FLUSH IN WALL SWITCHES.

LIGHTING CIRCUITING NOTES:

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CONSTRUCTION PLAN LEGEND

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	(E) CONSTRUCTION TO REMAIN	
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ASSEMBLY RATING

0	ZERO HOUR	
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TYPE OF ASSEMBLY

W	FIRE WALL	S	SMOKE BARRIER
B	FIRE BARRIER	SP	SMOKE PARTITIONS
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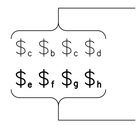

<E> SWITCHES:
a = <E> 2X2
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<N> SWITCHES:
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f = <N> DOWNLIGHTS
g = <N> HEADWALL LIGHT (CRITICAL BRANCH)
h = <N> NIGHTLIGHT

153 PATIENT ROOM / BED SWITCHES
SCALE: N.T.S.

A LIGHTING PLAN – PART C
SCALE: 1/4" = 1'–0"

N

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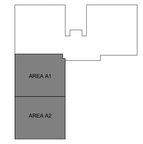

KEYPLAN

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04/23/24

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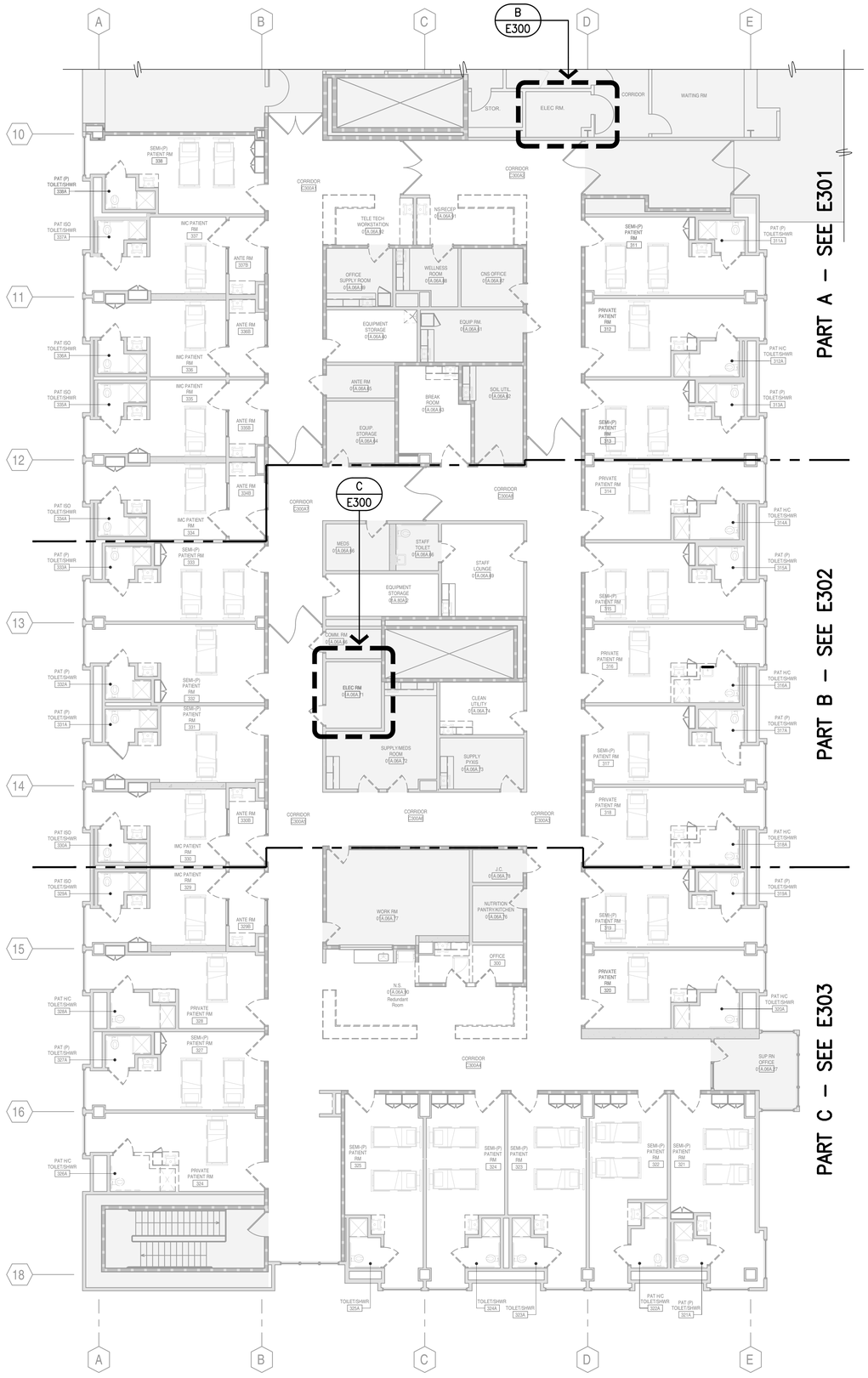
LIGHTING PLAN - PART C

DATE: APRIL 16, 2024

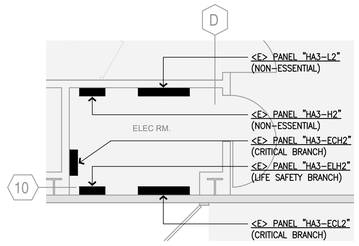
CONSTRUCTION DOCUMENTS

E206

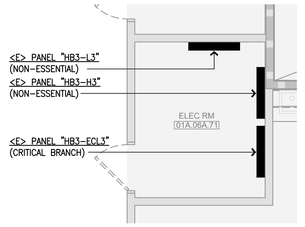
CONSTRUCTION DOCUMENT



A THIRD FLOOR OVERALL POWER PLAN (<E> CONDITION SHOWN)
SCALE: 1/8" = 1'-0"



B ELECTRICAL ROOM
SCALE: 1/4" = 1'-0"



C ELECTRICAL ROOM
SCALE: 1/4" = 1'-0"

SHEET NOTES

(NONE).

CONSTRUCTION PLAN LEGEND

SEE A010 FOR ALL GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS

	(E) CONSTRUCTION TO REMAIN
	(N) CONSTRUCTION
	TEMPORARY CONSTRUCTION

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MECHANICAL/PLUMBING ENGINEER
GLUMAC
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ELECTRICAL ENGINEER
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NATIVIDAD MEDICAL CENTER

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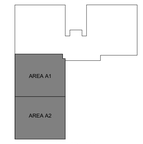
1441 CONSTITUTION BOULEVARD
SALINAS, CA 93906

HCAI RECORD NUMBER:
S240593-27-00
HCAI FACILITY ID: 17353



KEYPLAN

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
4/9/2025, 1:09:36 PM
S240593-27-00
Russell Rocker

HCAI APPROVAL

04/23/24

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

Int e Elect Engineering Incorporated
1487 Finch Lane
Gilroy, California 95020
(408) 846-7171

Project No. 22110

*** READ THE SPECIFICATIONS !**

READ THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. IN CASE OF CONFLICT BETWEEN SPECIFICATIONS AND DRAWINGS THE MORE RESTRICTIVE REQUIREMENTS SHALL TAKE PRECEDENCE.

THIS DRAWING AND THE DESIGN HEREON ARE INTENDED FOR THIS ONE SPECIFIC PROJECT ONLY. ANY USE OR RE-USE BEYOND THIS ONE PROJECT IS THE SOLE RESPONSIBILITY OF THE USER.

ALTHOUGH A "SCALE" MAY BE INDICATED, THE INFORMATION ON THIS DRAWING IS APPROXIMATE AND DIAGRAMMATIC ONLY, AND SHALL NOT BE SCALED TO OBTAIN DISTANCES. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING THE INTENT AND USE OF THESE DRAWINGS.

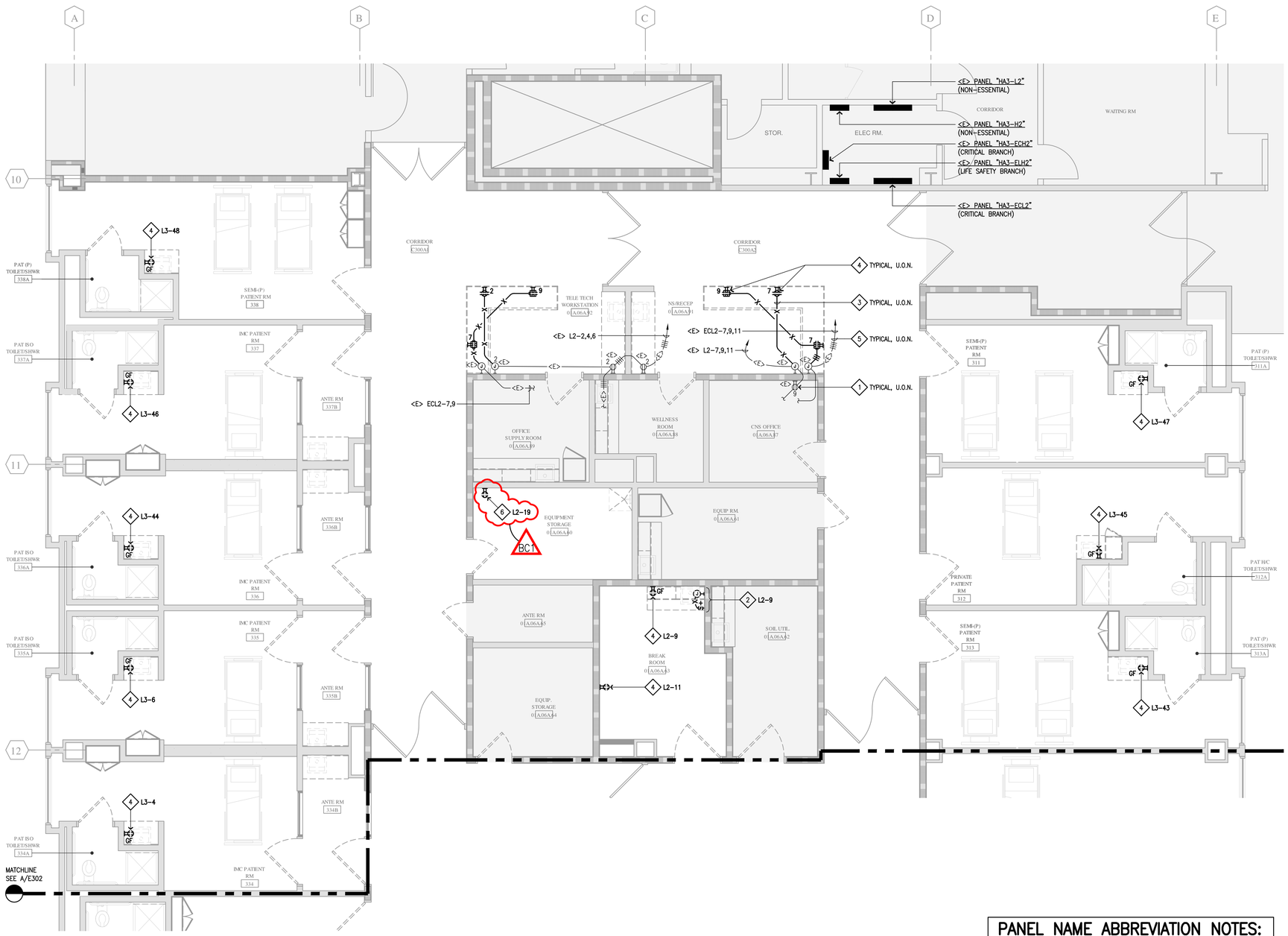
OVERALL POWER PLAN

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

E300

CONSTRUCTION DOCUMENT



A POWER DEMOLITION PLAN – PART A

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

SHEET NOTES

1. EXISTING OUTLET, DEVICE, ETC. SHALL REMAIN ACTIVE AND IN SERVICE. SHOWN PRIMARILY FOR REFERENCE. NOT ALL SHOWN AND NOT LIMITED TO THOSE SHOWN WITH THIS SHEET NOTE TAG.
2. REMOVE THE EXISTING DEVICE AND ASSOCIATED OUTLET BOX. REMOVE EXISTING ASSOCIATED CONDUIT AND CONDUCTORS TO LAST REMAINING ACTIVE OUTLET AND / OR DEVICE.
3. REMOVE THE EXISTING CONDUIT AND CONDUCTORS.
4. RELOCATED "LOAD". REFER TO THE RESPECTIVE "RELOCATED / REMOVED RECEPTACLE LOAD MATRIX" ON E104. REMOVE THE EXISTING DEVICE AND ASSOCIATED OUTLET BOX. REMOVE EXISTING ASSOCIATED CONDUIT AND CONDUCTORS TO LAST REMAINING ACTIVE OUTLET AND / OR DEVICE.
5. EXISTING CONDUIT W/ CONDUCTORS / WIRING SYSTEM SHALL REMAIN ACTIVE AND IN SERVICE. SHOWN PRIMARILY FOR REFERENCE. NOT ALL SHOWN AND NOT LIMITED TO THOSE SHOWN WITH THIS SHEET NOTE TAG.
6. FURNISH AND INSTALL EXTENSION RING TO FACILITATE ADDED LAYER OF GYP. BOARD. BC1

POWER CIRCUITING NOTES:

1. ALL NEW RECEPTACLES ON THIS PLAN SHALL BE CONNECTED TO THE BRANCH CIRCUIT PANELBOARD AND CIRCUIT NOTED.
2. EVERY SECTION OF THE CONDUIT / WIRING SYSTEM HAS NOT BEEN SHOWN. THE CONTRACTOR SHALL FURNISH, INSTALL AND CONNECT CONDUITS WITH CONDUCTORS (+ GROUND WIRES) IN ACCORDANCE WITH CODE AND THESE NOTES TO 'CONNECT THE DOTS' AND COMPLETE THE ROUTING OF BRANCH CIRCUITS TO PLACE ALL LOADS INTO AND/OR BACK INTO SERVICE.
3. LINE VOLTAGE (120 VAC) WIRING SHALL BE MINIMUM #12 AWG INDIVIDUAL INSULATED CU CONDUCTORS, PLUS A MINIMUM #12 AWG GROUND WIRE, WITH THHN / THWN, 600 VAC INSULATION INSTALLED IN MINIMUM 0.75 INCH CONDUIT U.O.N.
4. MULTIWIRE CONFIGURATION (PHASES SHARING A COMMON NEUTRAL) ARE NOT ALLOWED IN PATIENT ROOMS. EACH CIRCUIT SHALL BE COMPRISED OF A PHASE LEG AND NEUTRAL DEDICATED TO THE RESPECTIVE CIRCUIT. DO NOT RUN MORE THAN 3 PHASE CONDUCTORS (A, B, C) + 3 NEUTRALS AND 1 GROUND IN A CONDUIT UNLESS SPECIFICALLY NOTED AS SUCH ON THE DRAWINGS.
5. MARK THE CIRCUITING / CONDUITS / CONDUCTORS "CONNECTING THE DOTS" ON THE RECORD DRAWINGS.

NOTES:

1. COORDINATE AND PROVIDE ALL ELECTRICAL DEMOLITION REQUIRED TO ALLOW FOR THE REMOVAL OF WALLS, ETC. WITH ALL OTHER TRADES.
2. REFER TO DEMOLITION NOTES PORTION OF THE GENERAL NOTES. REFER TO NEW WORK PLANS FOR ADDITIONAL INFORMATION.

CONSTRUCTION PLAN LEGEND

SEE A010 FOR ALL GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS

	(E) CONSTRUCTION TO REMAIN
	(N) CONSTRUCTION
	TEMPORARY CONSTRUCTION

ASSEMBLY RATING

0	ZERO HOUR
1	ONE HOUR RATED
2	TWO HOUR RATED
3	THREE HOUR RATED
4	FOUR HOUR RATED

TYPE OF ASSEMBLY

W	FIRE WALL	S	SMOKE BARRIER
B	FIRE BARRIER	SP	SMOKE PARTITIONS
P	FIRE PARTITION	ST	RESIST PASSAGE OF SMOKE
E	EXISTING AND RATED		

PANEL NAME ABBREVIATION NOTES:

ABBREVIATION:	UNLESS OTHERWISE NOTED, THE FULL NAME IS:
"H2"	"HA3-H2"
"L2"	"HA3-L2"
"ECH2"	"HA3-ECH2"
"ECL2"	"HA3-ECL2"
"ELH2"	"HA3-ELH2"
"H3"	"HB3-H3"
"L3"	"HB3-L3"
"ECL3"	"HB3-ECL3"

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MEDICAL SURGERY DEPARTMENT LEVEL 3

1441 CONSTITUTION BOULEVARD
SALINAS, CA 93906

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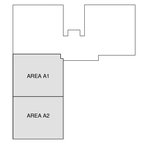

KEYPLAN

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APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
4/9/2025, 1:09:36 PM
S240593-27-00
Russell Rocker

HCAI APPROVAL

ROMAN PERALTA No. E 19560 Exp. 6-30-25 ELECTRICAL STATE OF CALIFORNIA
12/04/24

AGENCY APPROVAL

NO	DESCRIPTION	DATE
BC1	BACKCHECK#1	12/13/2024

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

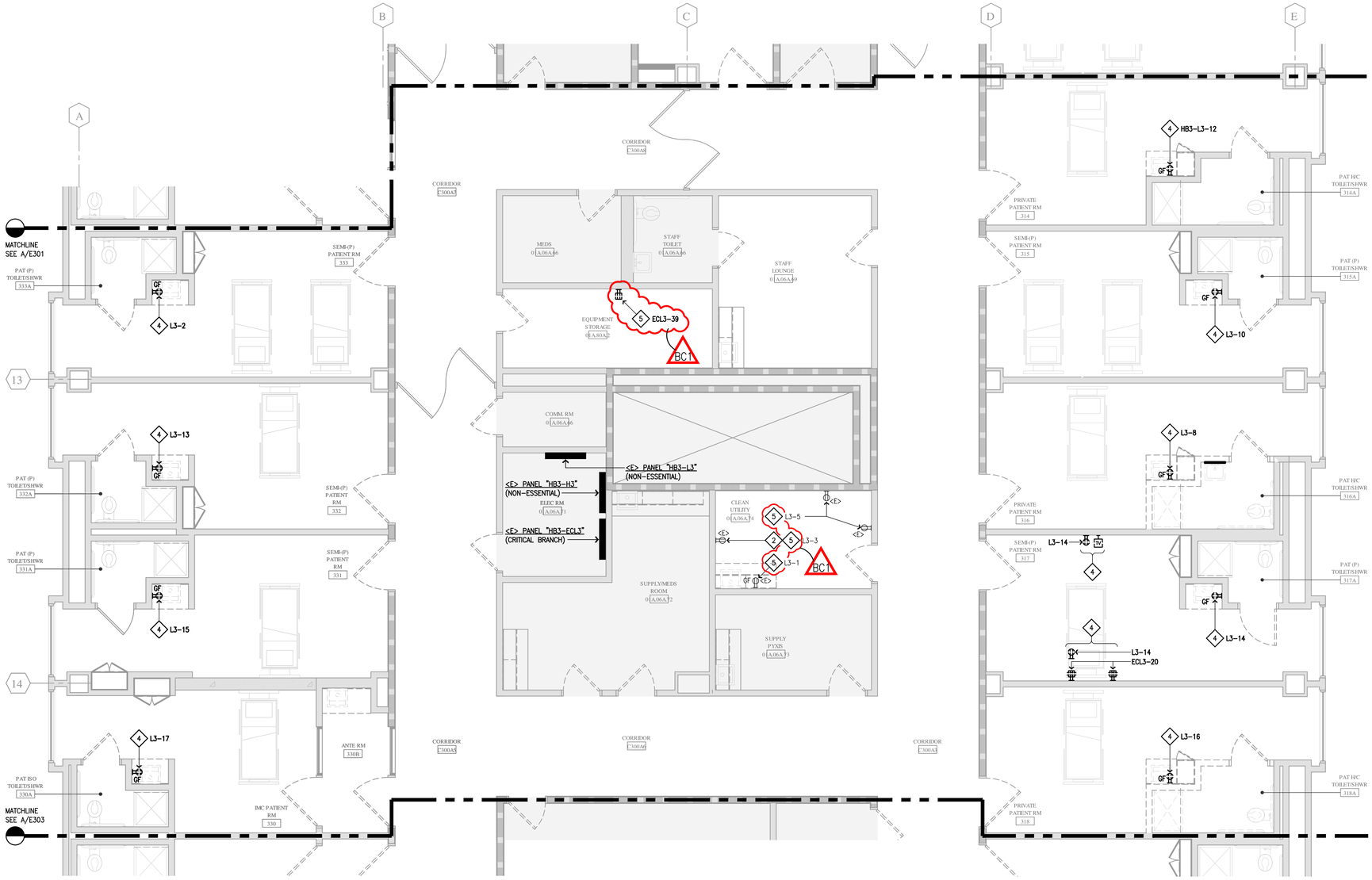
POWER DEMOLITION PLAN - PART A

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

E301

CONSTRUCTION DOCUMENT



SHEET NOTES

1. EXISTING OUTLET, DEVICE, ETC. SHALL REMAIN ACTIVE AND IN SERVICE. SHOWN PRIMARILY FOR REFERENCE. NOT ALL SHOWN AND NOT LIMITED TO THOSE SHOWN WITH THIS SHEET NOTE TAG.
2. REPLACE NON GFCI DEVICE WITH GFCI DEVICE. NO LOAD CHANGE.
3. (NOT USED).
4. RELOCATED "LOAD". REFER TO THE RESPECTIVE "RELOCATED / REMOVED RECEPTACLE LOAD MATRIX" ON E104. REMOVE THE EXISTING DEVICE AND ASSOCIATED OUTLET BOX. REMOVE EXISTING ASSOCIATED CONDUIT AND CONDUCTORS TO LAST REMAINING ACTIVE OUTLET AND / OR DEVICE.
5. FURNISH AND INSTALL EXTENSION RING TO FACILITATE ADDED LAYER OF GYP. BOARD. BC1

POWER CIRCUITING NOTES:

1. ALL NEW RECEPTACLES ON THIS PLAN SHALL BE CONNECTED TO THE BRANCH CIRCUIT PANELBOARD AND CIRCUIT NOTED.
2. EVERY SECTION OF THE CONDUIT / WIRING SYSTEM HAS NOT BEEN SHOWN. THE CONTRACTOR SHALL FURNISH, INSTALL AND CONNECT CONDUITS WITH CONDUCTORS (+ GROUND WIRES) IN ACCORDANCE WITH CODE AND THESE NOTES TO 'CONNECT THE DOTS' AND COMPLETE THE ROUTING OF BRANCH CIRCUITS TO PLACE ALL LOADS INTO AND/OR BACK INTO SERVICE.
3. LINE VOLTAGE (120 VAC) WIRING SHALL BE MINIMUM #12 AWG INDIVIDUAL INSULATED CU CONDUCTORS, PLUS A MINIMUM #12 AWG GROUND WIRE, WITH THHN / THWN, 600 VAC INSULATION INSTALLED IN MINIMUM 0.75 INCH CONDUIT U.O.N.
4. MULTIWIRE CONFIGURATION (PHASES SHARING A COMMON NEUTRAL) ARE NOT ALLOWED IN PATIENT ROOMS. EACH CIRCUIT SHALL BE COMPRISED OF A PHASE LEG AND NEUTRAL DEDICATED TO THE RESPECTIVE CIRCUIT. DO NOT RUN MORE THAN 3 PHASE CONDUCTORS (A, B, C) + 3 NEUTRALS AND 1 GROUND IN A CONDUIT UNLESS SPECIFICALLY NOTED AS SUCH ON THE DRAWINGS.
5. MARK THE CIRCUITING / CONDUITS / CONDUCTORS "CONNECTING THE DOTS" ON THE RECORD DRAWINGS.

NOTES:

1. COORDINATE AND PROVIDE ALL ELECTRICAL DEMOLITION REQUIRED TO ALLOW FOR THE REMOVAL OF WALLS, ETC. WITH ALL OTHER TRADES.
2. REFER TO DEMOLITION NOTES PORTION OF THE GENERAL NOTES. REFER TO NEW WORK PLANS FOR ADDITIONAL INFORMATION.

CONSTRUCTION PLAN LEGEND

SEE A010 FOR ALL GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS

	(E) CONSTRUCTION TO REMAIN
	(N) CONSTRUCTION
	TEMPORARY CONSTRUCTION

ASSEMBLY RATING

0	ZERO HOUR
1	ONE HOUR RATED
2	TWO HOUR RATED
3	THREE HOUR RATED
4	FOUR HOUR RATED

TYPE OF ASSEMBLY

W	FIRE WALL	S	SMOKE BARRIER
B	FIRE BARRIER	SP	SMOKE PARTITIONS
P	FIRE PARTITION	ST	RESIST PASSAGE OF SMOKE
E	EXISTING AND RATED		

PANEL NAME ABBREVIATION NOTES:

ABBREVIATION:	UNLESS OTHERWISE NOTED, THE FULL NAME IS:
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Project No. 22110

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A POWER DEMOLITION PLAN – PART B
SCALE: 1/4" = 1'-0"

N

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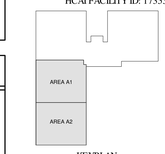
Natividad MEDICAL CENTER

NATIVIDAD MEDICAL CENTER

MEDICAL SURGERY DEPARTMENT LEVEL 3

1441 CONSTITUTION BOULEVARD
SALINAS, CA 93906

HCAI RECORD NUMBER:
S240593-27-00
HCAI FACILITY ID: 17353



KEYPLAN

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APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
4/9/2025, 1:09:36 PM
S2405193-27-00
Russell Rocker

HCAI APPROVAL

12/04/24

AGENCY APPROVAL

NO	DESCRIPTION	DATE
BC1	BACKCHECK#1	12/13/2024

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

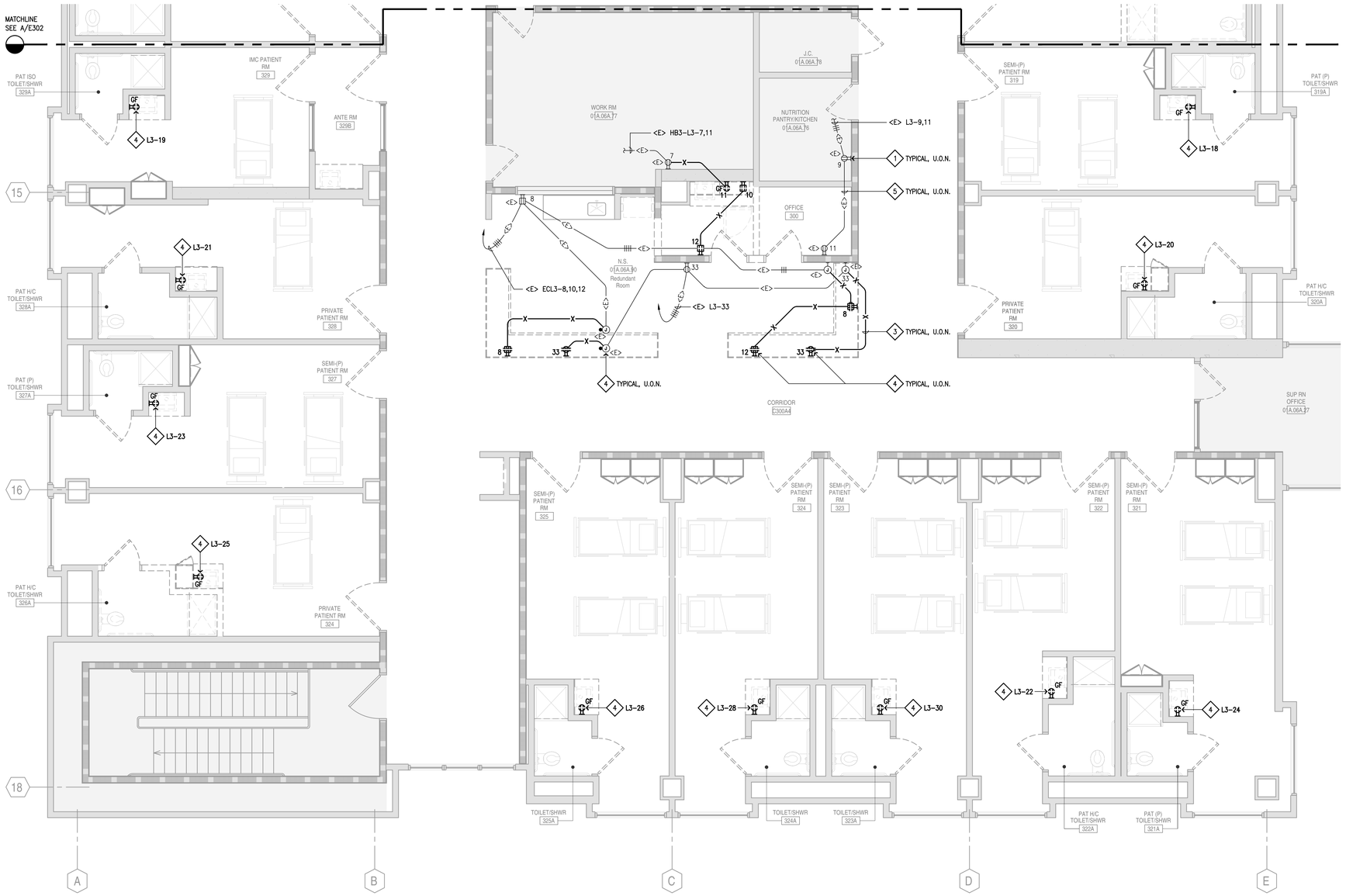
POWER DEMOLITION PLAN - PART B

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

E302

CONSTRUCTION DOCUMENT



SHEET NOTES

1. EXISTING OUTLET, DEVICE, ETC. SHALL REMAIN ACTIVE AND IN SERVICE. SHOWN PRIMARILY FOR REFERENCE. NOT ALL SHOWN AND NOT LIMITED TO THOSE SHOWN WITH THIS SHEET NOTE TAG.
2. (NOT USED).
3. REMOVE THE EXISTING CONDUIT AND CONDUCTORS.
4. RELOCATED "LOAD". REFER TO THE RESPECTIVE "RELOCATED / REMOVED RECEPTACLE LOAD MATRIX" ON E104. REMOVE THE EXISTING DEVICE AND ASSOCIATED OUTLET BOX. REMOVE EXISTING ASSOCIATED CONDUIT AND CONDUCTORS TO LAST REMAINING ACTIVE OUTLET AND / OR DEVICE.
5. EXISTING CONDUIT W/ CONDUCTORS / WIRING SYSTEM SHALL REMAIN ACTIVE AND IN SERVICE. SHOWN PRIMARILY FOR REFERENCE. NOT ALL SHOWN AND NOT LIMITED TO THOSE SHOWN WITH THIS SHEET NOTE TAG.

POWER CIRCUITING NOTES:

1. ALL NEW RECEPTACLES ON THIS PLAN SHALL BE CONNECTED TO THE BRANCH CIRCUIT PANELBOARD AND CIRCUIT NOTED.
2. EVERY SECTION OF THE CONDUIT / WIRING SYSTEM HAS NOT BEEN SHOWN. THE CONTRACTOR SHALL FURNISH, INSTALL AND CONNECT CONDUITS WITH CONDUCTORS (+ GROUND WIRES) IN ACCORDANCE WITH CODE AND THESE NOTES TO "CONNECT THE DOTS" AND COMPLETE THE ROUTING OF BRANCH CIRCUITS TO PLACE ALL LOADS INTO AND/OR BACK INTO SERVICE.
3. LINE VOLTAGE (120 VAC) WIRING SHALL BE MINIMUM #12 AWG INDIVIDUAL INSULATED CU CONDUCTORS, PLUS A MINIMUM #12 AWG GROUND WIRE, WITH THHN / THWN, 600 VAC INSULATION INSTALLED IN MINIMUM 0.75 INCH CONDUIT U.O.N.
4. MULTIWIRE CONFIGURATION (PHASES SHARING A COMMON NEUTRAL) ARE NOT ALLOWED IN PATIENT ROOMS. EACH CIRCUIT SHALL BE COMPRISED OF A PHASE LEG AND NEUTRAL DEDICATED TO THE RESPECTIVE CIRCUIT. DO NOT RUN MORE THAN 3 PHASE CONDUCTORS (A, B, C) + 3 NEUTRALS AND 1 GROUND IN A CONDUIT UNLESS SPECIFICALLY NOTED AS SUCH ON THE DRAWINGS.
5. MARK THE CIRCUITING / CONDUITS / CONDUCTORS "CONNECTING THE DOTS" ON THE RECORD DRAWINGS.

NOTES:

1. COORDINATE AND PROVIDE ALL ELECTRICAL DEMOLITION REQUIRED TO ALLOW FOR THE REMOVAL OF WALLS, ETC. WITH ALL OTHER TRADES.
2. REFER TO DEMOLITION NOTES PORTION OF THE GENERAL NOTES. REFER TO NEW WORK PLANS FOR ADDITIONAL INFORMATION.

CONSTRUCTION PLAN LEGEND

SEE A010 FOR ALL GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS

	(E) CONSTRUCTION TO REMAIN
	(N) CONSTRUCTION
	TEMPORARY CONSTRUCTION

ASSEMBLY RATING

0	ZERO HOUR
1	ONE HOUR RATED
2	TWO HOUR RATED
3	THREE HOUR RATED
4	FOUR HOUR RATED

TYPE OF ASSEMBLY

W	FIRE WALL	S	SMOKE BARRIER
B	FIRE BARRIER	SP	SMOKE PARTITIONS
P	FIRE PARTITION	ST	RESIST PASSAGE OF SMOKE
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"ELH2"	"HA3-ELH2"
"H3"	"HB3-H3"
"L3"	"HB3-L3"
"ECL3"	"HB3-ECL3"

A POWER DEMOLITION PLAN – PART C
SCALE: 1/4" = 1'-0"

N

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303.433.9500

NATIVIDAD MEDICAL CENTER

MEDICAL SURGERY DEPARTMENT LEVEL 3

1441 CONSTITUTION BOULEVARD
SALINAS, CA 93906

HCAI RECORD NUMBER:
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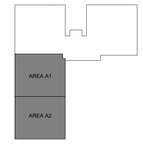

KEYPLAN

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Office of Statewide Hospital Planning and Development
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S240593-27-00
Russell Rocker

HCAI APPROVAL

REGISTERED PROFESSIONAL ENGINEER
RYAN PERRY
No. E 19566
Exp. 6-30-25
ELECTRICAL
STATE OF CALIFORNIA
04/23/24

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

Int • Elect Engineering Incorporated
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Project No. 22110

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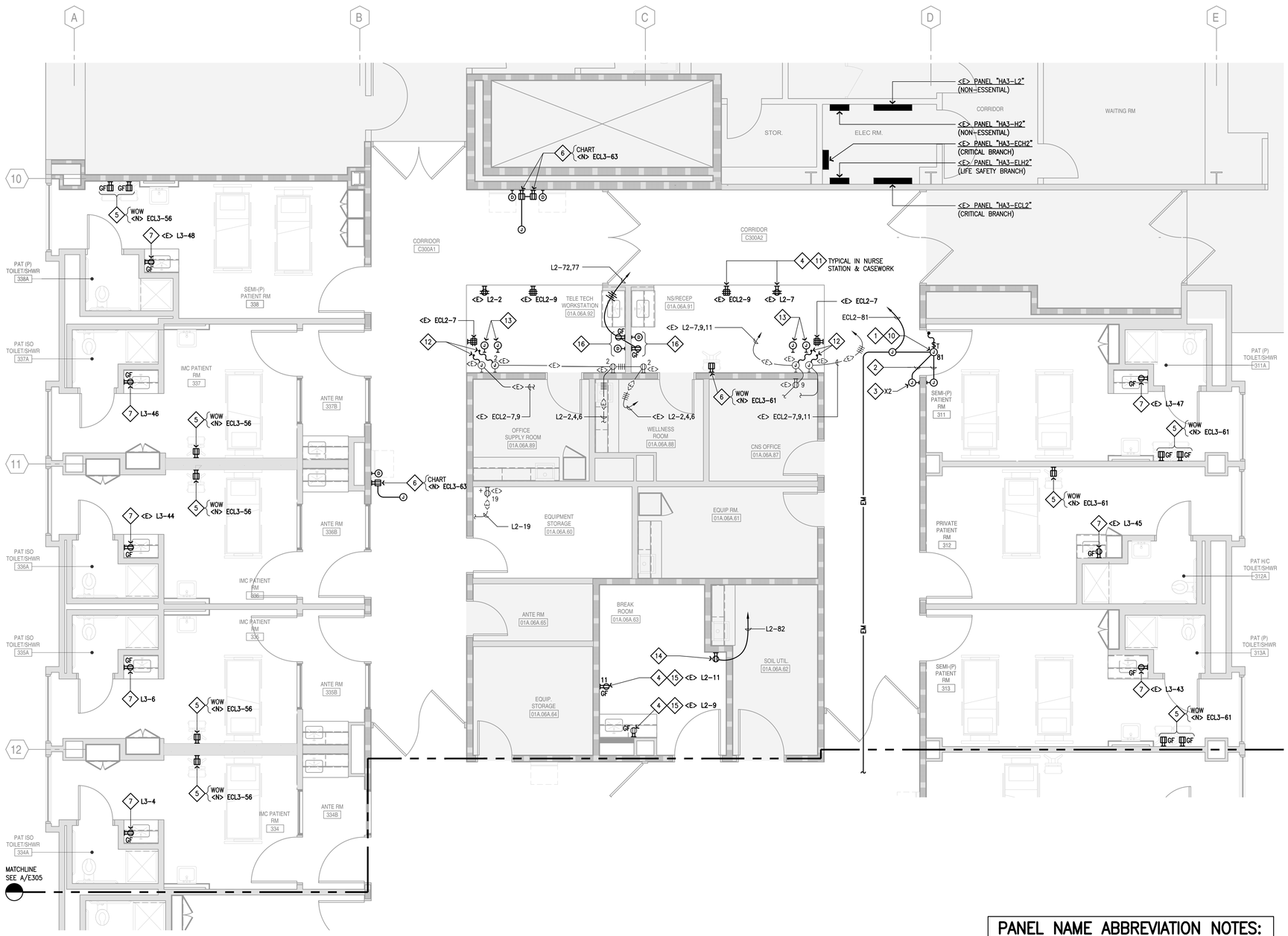
POWER DEMOLITION PLAN - PART C

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

E303

CONSTRUCTION DOCUMENT



A POWER PLAN – PART A

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

SHEET NOTES

1. CONNECT AUTOMATIC DOOR OPENER POWER SUPPLY. 2.5 AMPS AT 120 VAC.
   ⚠ HCAI NOTE: DOOR IS NOT IN THE BUILDING EGRESS PATH AND OPERATES AS A NORMAL MANUALLY OPERATED DOOR WITHOUT POWER.
2. 0.5 INCH C.O. FOR AUTO-DOOR LOW VOLTAGE CONTROL CABLE. CABLE BY DOOR VENDOR.
3. LOCATE FOR THE AUTOMATIC DOOR OPENER LOW VOLTAGE HAND WAVE (OR OTHER ACTIVATION DEVICE). VERIFY EXACT LOCATION WITH THE ARCHITECT PRIOR TO ROUGH-IN AND VERIFY THE EXACT OUTLET BOX REQUIREMENTS WITH THE DOOR OPERATOR SYSTEM PRIOR TO COMMENCEMENT OF THE WORK.
4. RELOCATED "LOAD". REFER TO THE RESPECTIVE "RELOCATED / REMOVED RECEPTACLE LOAD MATRIX" ON E104.
5. LOCATE FOR WOW(S). 2.6 AMPS, 120 VAC RECHARGE LOAD.
6. LOCATE FOR CHARTING STATION. 3.6 AMPS, 120 VAC.
7. NEW ADJUSTED OUTLET BOX AND DEVICE LOCATION TO COORDINATE WITH THE NEW BACKSPLASH. RELOCATED LOAD. RELOCATED "LOAD". REFER TO THE RESPECTIVE "RELOCATED / REMOVED RECEPTACLE LOAD MATRIX" ON E104.
8. (NOTE USED).
9. (NOTE USED).
10. AUTO DOOR OPERATOR TO BE INTERFACED WITH THE FA SYSTEM AS PART OF THE DEFERRED APPROVAL FA SYSTEM DRAWINGS.
11. RECEPTACLE IN MODULAR WORKSTATION. CRITICAL BRANCH AND NON-ESSENTIAL DEVICES WIRING SYSTEMS SHALL BE IN SEPARATE UL RACEWAY SYSTEMS.
12. FLEX CONNECTION TO MODULAR WORKSTATION.
13. FLUSH IN WALL FOR MODULAR WORKSTATION. ONE FOR TEL/DATA WITH 1.5 INCH C.O. UP IN WALL AND STUBBED INTO ACCESSIBLE CEILING. ONE FOR NURSE CALL / CODE BLUE WITH 1.5 INCH C.O. UP IN WALL AND STUBBED INTO ACCESSIBLE CEILING.
14. LOCATE FOR STAFF REFRIGERATOR. 10 AMPS, 120 VAC, 1 PHASE.
15. NEW GFCI DEVICE IN EXISTING BOX (ON EXISTING CIRCUIT) AND NEW DEVICE PLATE.
16. LOCATE FOR COPIER. 12 AMPS, 120 VAC.

POWER CIRCUITING NOTES

1. ALL NEW RECEPTACLES ON THIS PLAN SHALL BE CONNECTED TO THE BRANCH CIRCUIT PANELBOARD AND CIRCUIT NOTED.
2. EVERY SECTION OF THE CONDUIT / WIRING SYSTEM HAS NOT BEEN SHOWN. THE CONTRACTOR SHALL FURNISH, INSTALL AND CONNECT CONDUITS WITH CONDUCTORS (+ GROUND WIRES) IN ACCORDANCE WITH CODE AND THESE NOTES TO 'CONNECT THE DOTS' AND COMPLETE THE ROUTING OF BRANCH CIRCUITS TO PLACE ALL LOADS INTO AND/OR BACK INTO SERVICE.
3. LINE VOLTAGE (120 VAC) WIRING SHALL BE MINIMUM #12 AWG INDIVIDUAL INSULATED CU CONDUCTORS, PLUS A MINIMUM #12 AWG GROUND WIRE, WITH THHN / THWN, 600 VAC INSULATION INSTALLED IN MINIMUM 0.75 INCH CONDUIT U.O.N.
4. MULTIWIRE CONFIGURATION (PHASES SHARING A COMMON NEUTRAL) ARE NOT ALLOWED IN PATIENT ROOMS. EACH CIRCUIT SHALL BE COMPRISED OF A PHASE LEG AND NEUTRAL DEDICATED TO THE RESPECTIVE CIRCUIT. DO NOT RUN MORE THAN 3 PHASE CONDUCTORS (A, B, C) + 3 NEUTRALS AND 1 GROUND IN A CONDUIT UNLESS SPECIFICALLY NOTED AS SUCH ON THE DRAWINGS.
5. MARK THE CIRCUITING / CONDUITS / CONDUCTORS "CONNECTING THE DOTS" ON THE RECORD DRAWINGS.

NOTES:

1. ALL CONDUITS SHALL BE 0.75 INCH, U.O.N.
2. ALL MATERIALS AND WORK SHOWN ON THIS SHEET SHALL BE NEW UNLESS OTHERWISE NOTED OR INDICATED.
3. VERIFY EXACT DEVICE, OUTLET, FIXTURE, SURFACE AND EXPOSED RACEWAY LOCATIONS WITH THE ARCHITECT PRIOR TO COMMENCEMENT OF THE WORK.

CONSTRUCTION PLAN LEGEND

SEE A010 FOR ALL GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS

	(E) CONSTRUCTION TO REMAIN
	(N) CONSTRUCTION
	TEMPORARY CONSTRUCTION

ASSEMBLY RATING

0	ZERO HOUR
1	ONE HOUR RATED
2	TWO HOUR RATED
3	THREE HOUR RATED
4	FOUR HOUR RATED

TYPE OF ASSEMBLY

W	FIRE WALL	S	SMOKE BARRIER
B	FIRE BARRIER	SP	SMOKE PARTITIONS
P	FIRE PARTITION	ST	RESIST PASSAGE OF SMOKE
E	EXISTING AND RATED		

PANEL NAME ABBREVIATION NOTES:

ABBREVIATION:	UNLESS OTHERWISE NOTED, THE FULL NAME IS:
"H2"	"HA3-H2"
"L2"	"HA3-L2"
"ECH2"	"HA3-ECH2"
"ECL2"	"HA3-ECL2"
"ELH2"	"HA3-ELH2"
"H3"	"HB3-H3"
"L3"	"HB3-L3"
"ECL3"	"HB3-ECL3"

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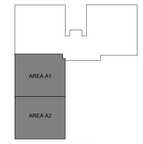
Natividad MEDICAL CENTER

NATIVIDAD MEDICAL CENTER

MEDICAL SURGERY DEPARTMENT LEVEL 3

1441 CONSTITUTION BOULEVARD
SALINAS, CA 93906

HCAI RECORD NUMBER:
S240593-27-00
HCAI FACILITY ID: 17353



KEYPLAN

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
4/9/2025, 1:05:56 P.M.
S240593-27-00
Russell Rocker

HCAI APPROVAL

04/23/24

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

Int • Elect Engineering Incorporated
1487 Finch Lane
Gilroy, California 95020
(408) 846-7171
Project No. 22110

✱ READ THE SPECIFICATIONS !

READ THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. IN CASE OR CONFLICT BETWEEN SPECIFICATIONS AND DRAWINGS THE MORE RESTRICTIVE REQUIREMENTS SHALL TAKE PRECEDENCE.

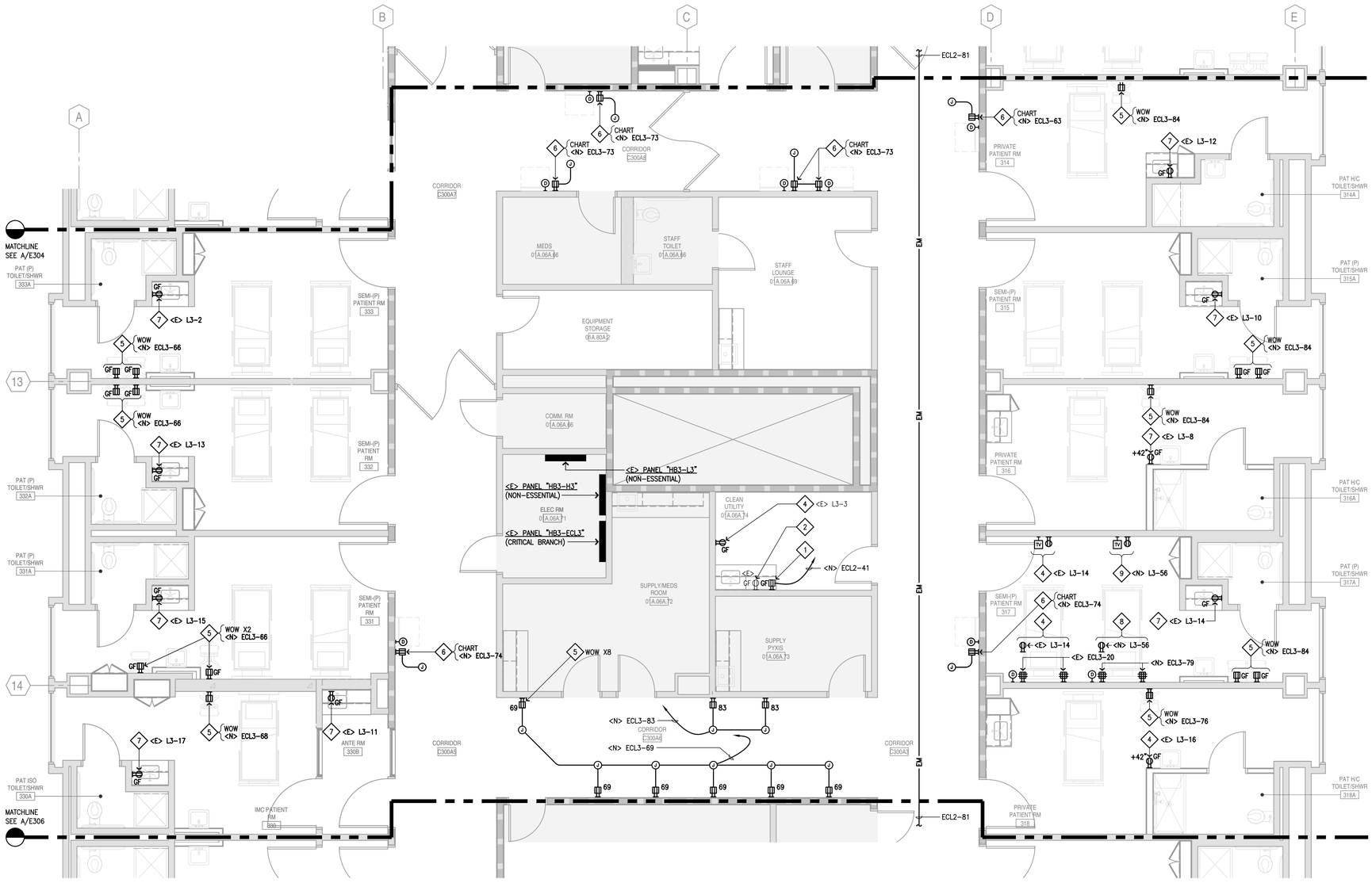
POWER PLAN - PART A

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

E304

CONSTRUCTION DOCUMENT



SHEET NOTES

1. NEW GFCI DEVICE REPLACING EXISTING DUPLEX. NO CHANGE IN CIRCUIT. NO LOAD CHANGE.
2. EXISTING DEVICE REMAINING ACTIVE AND IN SERVICE. NO LOAD CHANGE. SHOWN FOR INFORMATION.
3. NOT USED.
4. RELOCATED "LOAD". REFER TO THE RESPECTIVE "RELOCATED / REMOVED RECEPTACLE LOAD MATRIX" ON E104.
5. LOCATE FOR WOW(S). 2.6 AMPS, 120 VAC RECHARGE LOAD.
6. LOCATE FOR CHARTING STATION. 3.6 AMPS, 120 VAC.
7. NEW ADJUSTED OUTLET BOX AND DEVICE LOCATION TO COORDINATE WITH THE NEW BACKSPLASH. RELOCATED LOAD. REFER TO THE RESPECTIVE "RELOCATED / REMOVED RECEPTACLE LOAD MATRIX" ON E104.
8. LOCATE FOR NEW PATIENT BED.
9. LOCATE FOR NEW TELEVISION.

POWER CIRCUITING NOTES

1. ALL NEW RECEPTACLES ON THIS PLAN SHALL BE CONNECTED TO THE BRANCH CIRCUIT PANELBOARD AND CIRCUIT NOTED.
2. EVERY SECTION OF THE CONDUIT / WIRING SYSTEM HAS NOT BEEN SHOWN. THE CONTRACTOR SHALL FURNISH, INSTALL AND CONNECT CONDUITS WITH CONDUCTORS (+ GROUND WIRES) IN ACCORDANCE WITH CODE AND THESE NOTES TO 'CONNECT THE DOTS' AND COMPLETE THE ROUTING OF BRANCH CIRCUITS TO PLACE ALL LOADS INTO AND/OR BACK INTO SERVICE.
3. LINE VOLTAGE (120 VAC) WIRING SHALL BE MINIMUM #12 AWG INDIVIDUAL INSULATED CU CONDUCTORS, PLUS A MINIMUM #12 AWG GROUND WIRE, WITH THHN / THWN, 600 VAC INSULATION INSTALLED IN MINIMUM 0.75 INCH CONDUIT U.O.N.
4. MULTIWIRE CONFIGURATION (PHASES SHARING A COMMON NEUTRAL) ARE NOT ALLOWED IN PATIENT ROOMS. EACH CIRCUIT SHALL BE COMPRISED OF A PHASE LEG AND NEUTRAL DEDICATED TO THE RESPECTIVE CIRCUIT. DO NOT RUN MORE THAN 3 PHASE CONDUCTORS (A, B, C) + 3 NEUTRALS AND 1 GROUND IN A CONDUIT UNLESS SPECIFICALLY NOTED AS SUCH ON THE DRAWINGS.
5. MARK THE CIRCUITING / CONDUITS / CONDUCTORS "CONNECTING THE DOTS" ON THE RECORD DRAWINGS.

NOTES:

1. ALL CONDUITS SHALL BE 0.75 INCH, U.O.N.
2. ALL MATERIALS AND WORK SHOWN ON THIS SHEET SHALL BE NEW UNLESS OTHERWISE NOTED OR INDICATED.
3. VERIFY EXACT DEVICE, OUTLET, FIXTURE, SURFACE AND EXPOSED RACEWAY LOCATIONS WITH THE ARCHITECT PRIOR TO COMMENCEMENT OF THE WORK.

CONSTRUCTION PLAN LEGEND

SEE A010 FOR ALL GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS

	(E) CONSTRUCTION TO REMAIN
	(N) CONSTRUCTION
	TEMPORARY CONSTRUCTION

ASSEMBLY RATING

0	ZERO HOUR
1	ONE HOUR RATED
2	TWO HOUR RATED
3	THREE HOUR RATED
4	FOUR HOUR RATED

TYPE OF ASSEMBLY

W	FIRE WALL	S	SMOKE BARRIER
B	FIRE BARRIER	SP	SMOKE PARTITIONS
P	FIRE PARTITION	ST	RESIST PASSAGE OF SMOKE
E	EXISTING AND RATED		

PANEL NAME ABBREVIATION NOTES:

ABBREVIATION:	UNLESS OTHERWISE NOTED, THE FULL NAME IS:
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"H3"	"HB3-H3"
"L3"	"HB3-L3"
"ECL3"	"HB3-ECL3"

A POWER PLAN – PART B
SCALE: 1/4" = 1'-0"

N

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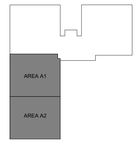

KEYPLAN

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APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
4/9/2025, 1:09:36 PM
S240593-27-00
Russell Rocker

HCAI APPROVAL

04/23/24

NO	DESCRIPTION	DATE

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HGA NO: 3707-016-00

Int • Elect Engineering Incorporated
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Gilroy, California 95020
(408) 846-7171

Project No. 22110

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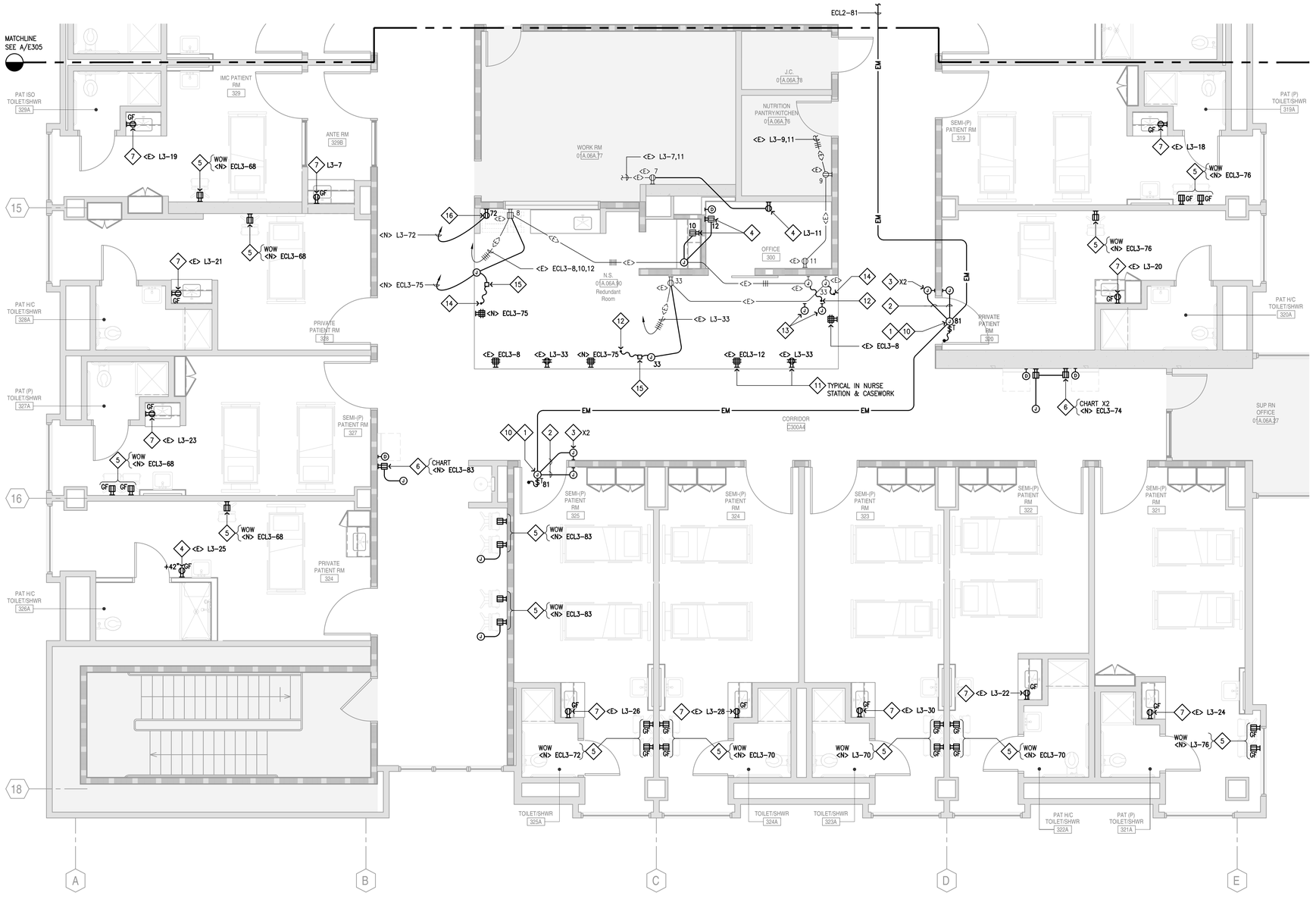
POWER PLAN - PART B

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

E305

CONSTRUCTION DOCUMENT



SHEET NOTES

1. CONNECT AUTOMATIC DOOR OPENER POWER SUPPLY. 2.5 AMPS AT 120 VAC.

   ⚠ HCAI NOTE: DOOR IS NOT IN THE BUILDING EGRESS PATH AND OPERATES AS A MANUALLY OPERATED DOOR IF POWER WAS TO FAIL.

2. 0.5 INCH C.O. FOR AUTO-DOOR LOW VOLTAGE CONTROL CABLE. CABLE BY DOOR VENDOR.
3. LOCATE FOR THE AUTOMATIC DOOR OPENER LOW VOLTAGE HAND WAVE (OR OTHER ACTIVATION DEVICE). VERIFY EXACT LOCATION WITH THE ARCHITECT PRIOR TO ROUGH-IN AND VERIFY THE EXACT OUTLET BOX REQUIREMENTS WITH THE DOOR OPERATOR SYSTEM PRIOR TO COMMENCEMENT OF THE WORK.
4. RELOCATED "LOAD". REFER TO THE RESPECTIVE "RELOCATED / REMOVED RECEPTACLE LOAD MATRIX" ON E104.
5. LOCATE FOR WOW(S). 2.6 AMPS, 120 VAC RECHARGE LOAD.
6. LOCATE FOR CHARTING STATION. 3.6 AMPS, 120 VAC.
7. NEW ADJUSTED OUTLET BOX AND DEVICE LOCATION TO COORDINATE WITH THE NEW BACKSPLASH. RELOCATED LOAD. RELOCATED "LOAD". REFER TO THE RESPECTIVE "RELOCATED / REMOVED RECEPTACLE LOAD MATRIX" ON E104.
8. (NOT USED).
9. (NOT USED).
10. AUTO DOOR OPERATOR TO BE INTERFACED WITH THE FA SYSTEM AS PART OF THE DEFERRED APPROVAL FA SYSTEM DRAWINGS.
11. RECEPTACLE IN MODULAR WORKSTATION. CRITICAL BRANCH AND NON-ESSENTIAL DEVICES WIRING SYSTEMS SHALL BE IN SEPARATE UL RACEWAY SYSTEMS.
12. FLEX CONNECTION TO MODULAR WORKSTATION NON-ESSENTIAL RECEPTACLE CIRCUITS.
13. FLUSH IN WALL FOR MODULAR WORKSTATION. ONE FOR TEL/DATA WITH 1.5 INCH C.O. UP IN WALL AND STUBBED INTO ACCESSIBLE CEILING. ONE FOR NURSE CALL / CODE BLUE WITH 1.5 INCH C.O. UP IN WALL AND STUBBED INTO ACCESSIBLE CEILING.
14. FLEX CONNECTION TO MODULAR WORKSTATION CRITICAL BRANCH RECEPTACLE CIRCUITS.
15. "VISTA ARCHITECTURAL COLUMN" FOR FURNITURE FEEDS. NOMINAL 8.75 INCH X 3.75 INCH FLOOR THRU CEILING WITH INTERNAL BARRIER FOR LV / COMMUNICATIONS AND ELECTRICAL LINE VOLTAGE COMPARTMENTS. WIREMOLD #VF-S-66-COLOR AS SELECTED BY THE ARCHITECT-FF-WH-P FRAME AND #VP-S-A3-COLOR AS SELECTED BY THE ARCHITECT-PANEL LENGTH TO SUIT CEILING HEIGHT, AND COMPONENTS FOR FLEX WHIP FOR POWER AND TEL/DATA CABLE OUTLET AT BOTTOM.
16. LOCATE FOR PRINTER 10 AMPS, 120V, 1 PHASE.

POWER CIRCUITING NOTES

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5. MARK THE CIRCUITING / CONDUITS / CONDUCTORS "CONNECTING THE DOTS" ON THE RECORD DRAWINGS.

NOTES:

1. ALL CONDUITS SHALL BE 0.75 INCH, U.O.N.
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CONSTRUCTION PLAN LEGEND

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ASSEMBLY RATING

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1	ONE HOUR RATED	
2	TWO HOUR RATED	
3	THREE HOUR RATED	
4	FOUR HOUR RATED	

TYPE OF ASSEMBLY

W	FIRE WALL	S	SMOKE BARRIER
B	FIRE BARRIER	SP	SMOKE PARTITIONS
P	FIRE PARTITION	ST	RESIST PASSAGE OF SMOKE
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A POWER PLAN – PART C
SCALE: 1/4" = 1'-0"

N

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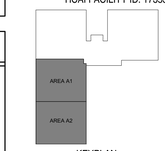
1441 CONSTITUTION BOULEVARD
SALINAS, CA 93906

HCAI RECORD NUMBER: S240593-27-00
HCAI FACILITY ID: 17353



KEYPLAN

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APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
4/9/2025, 1:09:36 PM
S240593-27-00
Russell Rocker

HCAI APPROVAL

04/23/24

NO	DESCRIPTION	DATE

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Project No. 22110

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POWER PLAN - PART C

DATE: APRIL 16, 2024

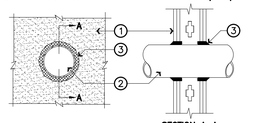
CONSTRUCTION DOCUMENTS

E306

CONSTRUCTION DOCUMENT

U.L. SYSTEM NO. W-L-1001
(Formerly System No. 147)

F RATINGS – 1,2,3, & 4 HOUR (SEE ITEMS 2 & 3)
T RATINGS – 0,1,2,3, & 4 HOUR (SEE ITEMS 3)
L RATING AT AMBIENT – <1 CFM/sq ft
L RATING AT 400° F – <1 CFM/sq ft



SECTION A-A

NOTES:

1. WALL ASSEMBLY – THE 1,2,3 OR 4 HR FIRE-RATED GYPSUM WALLBOARD / STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES WALL OR PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY.

2. PIPE OR CONDUIT – NOM 12 IN. DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE, NOM 12 IN. DIAM (OR SMALLER) SERVICE WEIGHT (OR HEAVIER) CAST IRON SOIL PIPE, NOM 12 IN. DIAM (OR SMALLER) CLASS 50 (OR HEAVIER) DUCTILE IRON PRESSURE PIPE, NOM 6 IN. DIAM (OR SMALLER) STEEL CONDUIT, NOM 4 IN. DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING, NOM 6 IN. DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING OR NOM 1 IN. DIAM (OR SMALLER) FLEXIBLE STEEL CONDUIT. WHEN COPPER PIPE IS USED, MAX F RATING OF FIRESTOP SYSTEM (ITEM 3) IS 2 HR. STEEL PIPES OR CONDUITS LARGER THAN NOM 4 IN. DIAM MAY ONLY BE USED IN WALLS CONSTRUCTED USING STEEL CHANNEL STUDES. A MAX OF ONE PIPE OR CONDUIT IS PERMITTED IN THE FIRESTOP SYSTEM. PIPE OR CONDUIT TO BE INSTALLED NEAR CENTER OF STUD CAVITY WIDTH AND TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY.

3. FILL, VOID OR CAVITY MATERIAL* – CAULK – CAULK FILL MATERIAL INSTALLED TO COMPLETELY FILL ANNULAR SPACE BETWEEN PIPE OR CONDUIT AND GYPSUM WALLBOARD AND WITH A MIN 1/4 IN. DIAM BEAD OF CAULK APPLIED TO PERIMETER OF PIPE OR CONDUIT AT ITS EGRESS FROM THE WALL. CAULK INSTALLED SYMMETRICALLY ON BOTH SIDES OF WALL ASSEMBLY. THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS SHOWN IN THE FOLLOWING TABLE. THE HOURLY T RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE TYPE OR SIZE OF THE PIPE OR CONDUIT AND THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS TABULATED BELOW:

MAX. PIPE OR CONDUIT DIA, INCHES	ANNULAR SPACE INCHES	F RATING HOUR	T RATING HOUR
1	0 TO 3/16	1 OR 2	0+, 1 OR 2
1	1/4 TO 1/2	3 OR 4	3 OR 4
4	0 TO 1-1/2	1 OR 2	0
6	1/4 TO 1/2	3 OR 4	0
12	3/16 TO 3/8	1 OR 2	0

+WHEN COPPER PIPE IS USED, T RATING IS 0 HR.
MINNESOTA MINING & MFG CO – CP25WB+.
*BEARING THE UL CLASSIFICATION MARKING

341 FIRESTOP SYSTEM DETAIL – WALL

SCALE: N.T.S.

WALL OPENING PROTECTIVE MATERIALS
(CLIV)

THIS CATEGORY COVERS PROPRIETARY COMPOSITIONS WHICH ARE USED TO MAINTAIN THE HOURLY RATINGS OF FIRE RESISTIVE WALLS AND PARTITIONS CONTAINING FLUSH MOUNTED DEVICES SUCH AS OUTLET BOXES, ELECTRICAL CABINETS AND MECHANICAL CABINETS. THE INDIVIDUAL CLASSIFICATINS INDICATE THE SPECIFIC APPLICATIONS AND THE METHOD OF INSTALLATION FOR WHICH THE MATERIALS HAVE BEEN EVALUATED.

THE BASIC STANDARD USED TO INVISTIGATE PRODUCTS IN THIS CATEGORY IS ANSI/UL 263, "FIRE TESTS OF BUILDING CONSTRUCTION AND MATERIALS".

LOOK FOR CLASSIFICATION MARKING ON PRODUCT

THE CLASSIFICATION MARKING OF UNDERWRITERS LABORATORIES INC. (SHOWN BELOW) ON THE PRODUCT OR CONTAINER IS THE ONLY METHOD PROVIDED BY UNDERWRITERS LABORATORIES INC. TO IDENTIFY WALL OPENING PROTECTIVE MATERIALS PRODUCED UNDER ITS CLASSIFICATION AND FOLLOW-UP SERVICE.

UNDERWRITERS LABORATORIES INC.®
CLASSIFIED
WALL OPENING PROTECTIVE MATERIAL
FIRE RESISTANCE CLASSIFICATION
SEE PRODUCT CATEGORY IN UL FIRE RESISTANCE DIRECTORY

3M COMPANY 3M FIRE PROTECTION PRODUCTS R9700
3M CENTER, ST PAUL MN 55144 USA

TYPE MPP+ MOLDABLE PUTTY PADS FOR USE WITH MAX 4-11/16 BY 4-11/16 BY 2-1/8 IN. DEEP FLUSH DEVICE UL LISTED METALLIC OUTLET BOXES INSTALLED WITH STEEL COVER PLATES FOR USE IN 1 OR 2 HR FIRE RATED GYPSUM BOARD WALL ASSEMBLIES FRAMED WITH MIN 3-1/2 IN. WIDE 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.

TYPE MPP+ MOLDABLE PUTTY PADS FOR USE WITH MAX 4-11/16 BY 4-11/16 BY 2-1/8 IN. DEEP FLUSH DEVICE UL LISTED METALLIC OUTLET BOXES INSTALLED WITH STEEL OR PLASTIC COVER PLATES FOR USE IN 1 HR OR 2 HR FIRE RATED GYPSUM BOARD WALL ASSEMBLIES FRAMED WITH MIN 5-1/2 IN. WIDE WOOD OR STEEL STUDS AND CONSTRUCTED AS SPECIFIED IN THE INDIVIDUAL U300, U400 SERIES WALL AND PARTITION DESIGNS IN THE FIRE RESISTANCE DIRECTORY. METALLIC OUTLET BOXES TO BE PROVIDED WITH STEEL ATTACHMENT BRACKETS WHICH OFFSET BOX MIN 1/4 IN. FROM STUD. PUTTY PAD TO BE AFFIXED TO THE BACK AND ALL FOUR SIDES OF THE BOX. BOXES MAY BE INSTALLED BACK-TO-BACK WITHIN THE STUD CAVITY. WHEN BACK-TO-BACK BOXES ARE INTERCONNECTED, A BALL OF PUTTY IS TO BE INSTALLED TO PLUG THE OPEN END OF EACH ELECTRICAL METALLIC TUBE OR CONDUIT WITHIN THE OUTLET BOXES.

TYPE MPP+ MOLDABLE PUTTY PADS FOR USE WITH MAX 4 BY 4 BY 2-1/8 IN. DEEP FLUSH DEVICE UL LISTED METALLIC OUTLET BOXES INSTALLED WITH PLASTIC COVER PLATES FOR USE IN 1 OR 2 HR FIRE RATED GYPSUM BOARD WALL ASSEMBLIES FRAMED WITH MIN 3-1/2 IN. WIDE 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.

TYPE MPP+ MOLDABLE PUTTY PADS FOR USE WITH MAX 14 BY 4 BY 2-1/2 IN. DEEP FLUSH DEVICE UL LISTED METALLIC OUTLET BOXES INSTALLED WITH STEEL COVER PLATES FOR USE IN 1 OR 2 HR FIRE RATED GYPSUM BOARD WALL ASSEMBLIES FRAMED WITH MIN 3-1/2 IN. WIDE STEEL STUDS AND CONSTRUCTED AS SPECIFIED IN THE INDIVIDUAL U400 OR V400 SERIES WALL AND PARTITION DESIGNS IN THE FIRE RESISTANCE DIRECTORY.

TYPE MPP+ MOLDABLE PUTTY PADS FOR USE WITH MAX 14 BY 4-1/2 BY 2-1/2 IN. DEEP UL LISTED NONMETALLIC OUTLET BOXES MANUFACTURED BY THOMAS & BETTS CORP., MADE OF POLYCARBONETE, TYPE 234 OR MADE OF PHENOLIC, TYPE 1052 AND BEARING A 2 HR RATING UNDER THE "OUTLET BOXES AND FITTINGS CLASSIFIED FOR FIRE RESISTANCE" CATEGORY IN THE FIRE RESISTANCE DIRECTORY. BOXES INSTALLED WITH STEEL COVER PLATES. FOR USE IN 1 HR FIRE RATED GYPSUM BOARD WALL ASSEMBLIES FRAMED WITH MIN 3-1/2 IN. WIDE WOOD STUDS AND CONSTRUCTED AS SPECIFIED IN THE INDIVIDUAL U300 SERIES WALL AND PARTITION DESIGNS IN THE FIRE RESISTANCE DIRECTORY.

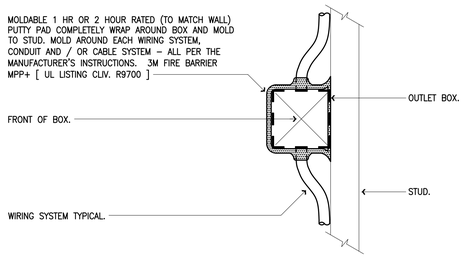
TYPE MPP+ MOLDABLE PUTTY PADS FOR USE WITH MAX 4 BY 3-3/4 BY 3 IN. DEEP UL LISTED NONMETALLIC OUTLET BOXES MANUFACTURED BY CARLON ELECTRICAL PRODECTS, MADE OF PVC AND BEARING A 2 HOUR RATING UNDER THE "OUTLET BOXES AND FITTINGS CLASSIFIED FOR FIRE RESISTANCE CATEGORY IN THE FIRE RESISTANCE DIRECTORY. BOXES INSTALLED WITH PLASTIC COVER PLATES, FOR USE IN 1 HR RATED GYPSUM BOARD WALL ASSEMBLIES FRAMED WITH MIN 3-1/2 IN. WIDE WOOD STUDS AND CONSTRUCTED AS SPECIFIED IN THE INDIVIDUAL U300 SERIES WALL AND PARTITION DESIGNS IN THE FIRE RESISTANCE DIRECTORY.

TYPE MPP+ MOLDABLE PUTTY PADS FOR USE WITH MAX 4 YY 3-1/4 BY 3-3/4 IN. DEEP UL LISTED NONMETALLIC OUTLET BOXES MANUFACTURED BY THOMAS & BETTS CORP., MADE OF PHENOLIC, TYPE 2002-738-C AND BEARING A 2 HR RATING UNDER THE "OUTLET BOXES AND FITTINGS CLASSIFIED FOR FIRE RESISTANCE" CATEGORY IN THE FIRE RESISTANCE DIRECTORY. BOXES INSTALLED WITH STEEL COVER PLATES. FOR USE IN 2 HR FIRE RATED GYPSUM BOARD WALL ASSEMBLIES FRAMED WITH MIN 3-1/2 IN. WIDE STEEL STUDS AND CONSTRUCTED AS SPECIFIED IN THE INDIVIDUAL U400 OR V400 SERIES WALL AND PARTITION DESIGNS IN THE FIRE RESISTANCE DIRECTORY.

TYPE MPP+ MOLDABLE PUTTY PADS FOR USE WITH MAX 4 BY 4 BY 1-1/2 IN. DEEP FLUSH DEVICE UL LISTED METALLIC OUTLET BOXES INSTALLED WITH PLASTIC COVER PLATES FOR USE IN 1 HR FIRE RATED GYPSUM BOARD WALL ASSEMBLIES FRAMED WITH MIN 3-5/8 IN. WIDE STEEL STUDS AND CONSTRUCTED AS SPECIFIED IN THE INDIVIDUAL U400 OR V400 SERIES WALL AND PARTITION DESIGNS IN THE FIRE RESISTANCE DIRECTORY. BOXES MY BE INSTALLED BACK-TO-BACK WITHIN THE STUD CAVITY.

TYPE MPP+ MOLDABLE PUTTY PADS FOR USE WITH MAX 5 BY 5 BY 2 7/8 IN. DEEP FLUSH DEVICE UL LISTED METALLIC OUTLET BOXES OR UL LISTED COMMUNICATIONS-CIRCUIT ACCESSORIES MANUFACTURED BY RANDL INDUSTRIES INC FOR USE IN 1 HR OR 2 HR FIRE RATED GYPSUM BOARD WALL ASSEMBLIES FRAMED WITH MIN 3-5/8 IN. WIDE WOOD OR STEEL STUDS AND CONSTRCTED AS SPECIFIED IN THE INDIVIDUAL U300, U400 OR V400 SERIES WALL AND PARTITION DESIGNS IN THE FIRE RESISTANCE DIRECTORY. METALLIC OUTLET BOXES TO BE PROVIDED WITH UL LISTED SIGNAL APPLIANCE WITH STEEL COVER PLATE MANUFACTURED BY COOPER WHEELOCK INC.

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 UNLESS OTHERWISE NOTED) INCLUDING NAILING TABS AND TO COMPLETELY SEAL AGAINST THE STUD WITHIN THE STUD CAVITY. MULTIPLE MOLDABLE PUTTY PADS MAY BE INSTALLED ON AN OUTLET BOX TO ATTAIN THE REQUIRED MINIMUM THICKNESS OF PUTTY MATERIAL. ADDITIONAL PUTTY MATERIAL USED TO SEAL AROUND EACH CONDUIT AND/OR CABLE FITTING ON THE EXTERIOR OF EACH BOX. A MIN 1/10 IN. THICKNESS OF PUTTY MATERIAL IS REQUIRED ON THE EXTERIOR SURFACES OF FLUSH DEVICE BOXES IN 1 AND 2 HR FIRE RATED WALL AND PARTITION DESIGNS. WHEN THE MOLDABLE PUTTY PAD OUTLET BOX PROTECTIVE MATERIAL IS USED ON BOXES ON BOTH SIDES OF WALL AS DIRECTED, THE HORIZONTAL SEPARATION BETWEEN OUTLET BOXES ON OPPOSITE SIDES OF THE WALL MY BE LESS THAN 24 IN. PROVIDED THAT THE OUTLET BOXES ARE NOT INSTALLED BACK TO BACK, EXCEPT AS NOTED.



344 OUTLET BOX IN RATED WALL

SCALE: N.T.S.

Int • Elect Engineering Incorporated
1487 Finch Lane
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Project No. 22110

*** READ THE SPECIFICATIONS !**

READ THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. IN CASE OR CONFLICT BETWEEN SPECIFICATIONS AND DRAWINGS THE MORE RESTRICTIVE REQUIREMENTS SHALL TAKE PRECEDENCE.

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Natividad MEDICAL CENTER

NATIVIDAD MEDICAL CENTER

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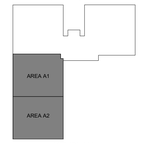
1441 CONSTITUTION BOULEVARD
SALINAS, CA 93906

HCAI RECORD NUMBER:
S240593-27-00
HCAI FACILITY ID: 17353



KEYPLAN

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
4/9/2025, 1:09:36 PM
S240593-27-00
Russell Rocker

HCAI APPROVAL

04/23/24

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

ELECTRICAL DETAILS

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

E401

CONSTRUCTION DOCUMENT

ELECTRICAL SPECIFICATIONS

PART 1

SECTION 260519 – LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES

PART 1 – GENERAL

1.1 SUMMARY
A. SECTION INCLUDES:
1. BUILDING WIRES AND CABLES RATED 600 V AND LESS.
2. CONNECTORS, SPLICES, AND TERMINATIONS RATED 600 V AND LESS.

1.2 ACTION SUBMITTALS
A. PRODUCT DATA: FOR EACH TYPE OF PRODUCT.

1.3 INFORMATIONAL SUBMITTALS
A. FIELD QUALITY-CONTROL REPORTS.

PART 2 – PRODUCTS

2.1 CONDUCTORS AND CABLES
A. COPPER CONDUCTORS: COMPLY WITH NEMA WC 70/ICEA S-95-658.
B. CONDUCTOR INSULATION: COMPLY WITH NEMA WC 70/ICEA S-95-658 FOR TYPE THHN-2-THWN-2.

2.2 CONNECTORS AND SPLICES
A. DESCRIPTION: FACTORY-FABRICATED CONNECTORS AND SPLICES OF SIZE, AMPACITY RATING, MATERIAL, TYPE, AND CLASS FOR APPLICATION AND SERVICE INDICATED.

2.3 SYSTEM DESCRIPTION
A. ELECTRICAL COMPONENTS, DEVICES, AND ACCESSORIES: LISTED AND LABELED AS DEFINED IN NFPA 70, BY A QUALIFIED TESTING AGENCY, AND MARKED FOR INTENDED LOCATION AND APPLICATION.
B. COMPLY WITH NFPA 70.

PART 3 – EXECUTION

3.1 CONDUCTOR MATERIAL APPLICATIONS
A. FEEDERS: COPPER. SOLID FOR NO. 10 AWG AND SMALLER; STRANDED FOR NO. 8 AWG AND LARGER.
B. BRANCH CIRCUITS: COPPER. SOLID FOR NO. 12 AWG AND SMALLER; STRANDED FOR NO. 10 AWG AND LARGER.

3.2 CONDUCTOR INSULATION AND AND WIRING METHODS
A. FEEDERS: TYPE THHN-2-THWN-2, SINGLE CONDUCTORS IN RACEWAY.
B. BRANCH CIRCUITS: TYPE THHN-2-THWN-2, SINGLE CONDUCTORS IN RACEWAY, REDUNDANT GROUND METAL-CLAD CABLE, TYPE MC.

3.3 INSTALLATION OF CONDUCTORS AND CABLES
A. CONCEAL CABLES IN FINISHED WALLS, CEILINGS, AND FLOORS UNLESS OTHERWISE INDICATED.
B. COMPLETE RACEWAY INSTALLATION BETWEEN CONDUCTOR AND CABLE TERMINATION POINTS ACCORDING TO SECTION 260533 "RACEWAYS AND BOXES FOR ELECTRICAL SYSTEMS" PRIOR TO PULLING CONDUCTORS AND CABLES.
C. USE MANUFACTURER-APPROVED PULLING COMPOUND OR LUBRICANT WHERE NECESSARY; COMPOUND USED MUST NOT DETERIORATE CONDUCTOR OR INSULATION. DO NOT EXCEED MANUFACTURER'S RECOMMENDED MAXIMUM PULLING TENSIONS AND SIDEWALL PRESSURE VALUES.
D. USE PULLING MEANS, INCLUDING FISH TAPE, CABLE, ROPE, AND BASKET-WEAVE WIRE/CABLE GRIPS, THAT WILL NOT DAMAGE CABLES OR RACEWAY.
E. INSTALL EXPOSED CABLES PARALLEL AND PERPENDICULAR TO SURFACES OF EXPOSED STRUCTURAL MEMBERS, AND FOLLOW SURFACE CONTOURS WHERE POSSIBLE.

3.4 CONNECTIONS
A. TIGHTEN ELECTRICAL CONNECTORS AND TERMINALS ACCORDING TO MANUFACTURER'S PUBLISHED TORQUE-TIGHTENING VALUES. IF MANUFACTURER'S TORQUE VALUES ARE NOT INDICATED, USE THOSE SPECIFIED IN UL 486A-486B.
B. MAKE SPLICES, TERMINATIONS, AND TAPS THAT ARE COMPATIBLE WITH CONDUCTOR MATERIAL AND THAT POSSESS EQUIVALENT OR BETTER MECHANICAL STRENGTH AND INSULATION RATINGS THAN UNSPLICED CONDUCTORS.
C. WIRING AT OUTLETS: INSTALL CONDUCTOR AT EACH OUTLET, WITH AT LEAST 12 INCHES OF SLACK.

3.5 IDENTIFICATION
A. IDENTIFY AND COLOR-CODE CONDUCTORS AND CABLES ACCORDING TO SECTION 260553 "IDENTIFICATION FOR ELECTRICAL SYSTEMS."
B. IDENTIFY EACH SPARE CONDUCTOR AT EACH END WITH IDENTITY NUMBER AND LOCATION OF OTHER END OF CONDUCTOR, AND IDENTIFY AS SPARE CONDUCTOR.

3.6 FIRESTOPPING
A. APPLY FIRESTOPPING TO ELECTRICAL PENETRATIONS OF FIRE-RATED FLOOR AND WALL ASSEMBLIES TO RESTORE ORIGINAL FIRE-RESISTANCE RATING OF ASSEMBLY.

3.7 FIELD QUALITY CONTROL
A. PERFORM THE FOLLOWING TESTS AND INSPECTIONS:
1. PERFORM EACH VISUAL AND MECHANICAL INSPECTION AND ELECTRICAL TEST STATED IN NETA ACCEPTANCE TESTING SPECIFICATION. CERTIFY COMPLIANCE WITH TEST PARAMETERS.
B. TEST AND INSPECTION REPORTS: PREPARE A WRITTEN REPORT TO RECORD THE FOLLOWING:
1. PROCEDURES USED.
2. RESULTS THAT COMPLY WITH REQUIREMENTS.
3. RESULTS THAT DO NOT COMPLY WITH REQUIREMENTS AND CORRECTIVE ACTION TAKEN TO ACHIEVE COMPLIANCE WITH REQUIREMENTS.
C. CABLES WILL BE CONSIDERED DEFECTIVE IF THEY DO NOT PASS TESTS AND INSPECTIONS.

SECTION 260526 – GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS

PART 1 – GENERAL

1.1 SUMMARY
A. SECTION INCLUDES: GROUNDING SYSTEMS AND EQUIPMENT.

1.2 ACTION SUBMITTALS
A. PRODUCT DATA: FOR EACH TYPE OF PRODUCT INDICATED.

1.3 INFORMATIONAL SUBMITTALS
A. FIELD QUALITY-CONTROL REPORTS.

1.4 QUALITY ASSURANCE
A. ELECTRICAL COMPONENTS, DEVICES, AND ACCESSORIES: LISTED AND LABELED AS DEFINED IN NFPA 70, BY A QUALIFIED TESTING AGENCY, AND MARKED FOR INTENDED LOCATION AND APPLICATION.
B. COMPLY WITH UL 467 FOR GROUNDING AND BONDING MATERIALS AND EQUIPMENT.

PART 2 – PRODUCTS

2.1 CONDUCTORS
A. INSULATED CONDUCTORS: COPPER WIRE OR CABLE INSULATED FOR 600 V UNLESS OTHERWISE REQUIRED BY APPLICABLE CODE OR AUTHORITIES HAVING JURISDICTION.
B. BARE COPPER CONDUCTORS:
1. SOLID CONDUCTORS: ASTM B 3.
2. STRANDED CONDUCTORS: ASTM B 8.
3. TINNED CONDUCTORS: ASTM B 33.
4. BONDING CABLE: 28 KCMIL, 14 STRANDS OF NO. 17 AWG CONDUCTOR, 1/4 INCH IN DIAMETER.
5. BONDING CONDUCTOR: NO. 4 OR NO. 6 AWG, STRANDED CONDUCTOR.

2.2 CONNECTORS
A. LISTED AND LABELED BY AN NRTL ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION FOR APPLICATIONS IN WHICH USED AND FOR SPECIFIC TYPES, SIZES, AND COMBINATIONS OF CONDUCTORS AND OTHER ITEMS CONNECTED.

PART 3 – EXECUTION

3.1 APPLICATIONS
A. CONDUCTORS: INSTALL SOLID CONDUCTOR FOR NO. 8 AWG AND SMALLER, AND STRANDED CONDUCTORS FOR NO. 6 AWG AND LARGER UNLESS OTHERWISE INDICATED.
B. CONDUCTOR TERMINATIONS AND CONNECTIONS:
1. CONNECTIONS TO GROUND BUSS: BOLTED CONNECTORS.
2. CONNECTIONS TO STRUCTURAL STEEL: WELDED CONNECTORS.

3.2 EQUIPMENT GROUNDING
A. INSTALL INSULATED EQUIPMENT GROUNDING CONDUCTORS IN ALL RACEWAYS CONTAINING CURRENT CARRYING CONDUCTORS.

3.3 INSTALLATION
A. GROUNDING CONDUCTORS: ROUTE ALONG SHORTEST AND STRAIGHTEST PATHS POSSIBLE UNLESS OTHERWISE INDICATED OR REQUIRED BY CODE. AVOID OBSTRUCTING ACCESS OR PLACING CONDUCTORS WHERE THEY MAY BE SUBJECTED TO STRAIN, IMPACT, OR DAMAGE.

3.4 LABELING
A. COMPLY WITH REQUIREMENTS IN SECTION 260553 "IDENTIFICATION FOR ELECTRICAL SYSTEMS" FOR INSTRUCTION SIGNS. THE LABEL OR ITS TEXT SHALL BE GREEN.

3.5 FIELD QUALITY CONTROL
A. PERFORM THE FOLLOWING TESTS AND INSPECTIONS AND PREPARE TEST REPORTS:
1. AFTER INSTALLING GROUNDING SYSTEM BUT BEFORE PERMANENT ELECTRICAL CIRCUITS HAVE BEEN ENERGIZED, TEST FOR COMPLIANCE WITH REQUIREMENTS.
2. INSPECT PHYSICAL AND MECHANICAL CONDITION. VERIFY TIGHTNESS OF ACCESSIBLE, BOLTED, ELECTRICAL CONNECTIONS WITH A CALIBRATED TORQUE WRENCH ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS.
3. TEST COMPLETED GROUNDING SYSTEM AT EACH LOCATION WHERE A MAXIMUM GROUND-RESISTANCE LEVEL IS SPECIFIED.
B. REPORT MEASURED GROUND RESISTANCES THAT EXCEED THE FOLLOWING VALUES:
1. POWER AND LIGHTING EQUIPMENT OR SYSTEM WITH CAPACITY OF 500 KVA AND LESS: 10 OHMS.
2. POWER AND LIGHTING EQUIPMENT OR SYSTEM WITH CAPACITY OF 500 TO 1000 KVA: 5 OHMS.
C. EXCESSIVE GROUND RESISTANCE: IF RESISTANCE TO GROUND EXCEEDS SPECIFIED VALUES, NOTIFY ARCHITECT PROMPTLY AND INCLUDE RECOMMENDATIONS TO REDUCE GROUND RESISTANCE.

SECTION 260533 – RACEWAYS AND BOXES FOR ELECTRICAL SYSTEMS

PART 1 – GENERAL

1.1 SUMMARY
A. SECTION INCLUDES:
1. METAL CONDUITS, TUBING, AND FITTINGS.
2. METAL WIREWAYS AND AUXILIARY GUTTERS.
3. SURFACE RACEWAYS.
4. BOXES, ENCLOSURES, AND CABINETS.

1.2 ACTION SUBMITTALS
A. PRODUCT DATA: FOR SURFACE RACEWAYS, WIREWAYS AND FITTINGS.

PART 2 – PRODUCTS

2.1 METAL CONDUITS, TUBING, AND FITTINGS
A. LISTING AND LABELING: METAL CONDUITS, TUBING, AND FITTINGS SHALL BE LISTED AND LABELED AS DEFINED IN NFPA 70, BY A QUALIFIED TESTING AGENCY, AND MARKED FOR INTENDED LOCATION AND APPLICATION.
B. EMT: COMPLY WITH ANSI C80.3 AND UL 797.
C. FITTINGS FOR METAL CONDUIT: COMPLY WITH NEMA FB 1 AND UL 514B.
1. FITTINGS FOR EMT:
a. MATERIAL: STEEL DIE CAST.
b. TYPE: SETSCREW.

2.2 METAL WIREWAYS AND AUXILIARY GUTTERS
A. DESCRIPTION: SHEET METAL, COMPLYING WITH UL 870 AND NEMA 250, TYPE 1 UNLESS OTHERWISE INDICATED, AND SIZED ACCORDING TO NFPA 70.
B. FITTINGS AND ACCESSORIES: INCLUDE COVERS, COUPLINGS, OFFSETS, ELBOWS, EXPANSION JOINTS, ADAPTERS, HOLD-DOWN STRAPS, END CAPS, AND OTHER FITTINGS TO MATCH AND MATE WITH WIREWAYS AS REQUIRED FOR COMPLETE SYSTEM.

2.3 BOXES, ENCLOSURES, AND CABINETS
A. GENERAL REQUIREMENTS FOR BOXES, ENCLOSURES, AND CABINETS: BOXES, ENCLOSURES, AND CABINETS INSTALLED IN WET LOCATIONS SHALL BE LISTED FOR USE IN WET LOCATIONS.
B. SHEET METAL OUTLET AND DEVICE BOXES: COMPLY WITH NEMA OS 1 AND UL 514A.
C. SMALL SHEET METAL PULL AND JUNCTION BOXES: NEMA OS 1.
D. BOX EXTENSIONS USED TO ACCOMMODATE NEW BUILDING FINISHES SHALL BE OF SAME MATERIAL AS RECESSED BOX.
E. DEVICE BOX DIMENSIONS: MINIMUM 4 INCHES SQUARE BY 2-1/8 INCHES DEEP.

PART 3 – EXECUTION

3.1 RACEWAY APPLICATION
A. INDOORS: APPLY RACEWAY PRODUCTS AS SPECIFIED BELOW UNLESS OTHERWISE INDICATED.
1. EXPOSED, NOT SUBJECT TO PHYSICAL DAMAGE: EMT.
2. CONCEALED IN CEILINGS AND INTERIOR WALLS AND PARTITIONS: EMT.
3. CONNECTION TO VIBRATING EQUIPMENT (INCLUDING TRANSFORMERS AND HYDRAULIC, PNEUMATIC, ELECTRIC SOLENOID, OR MOTOR-DRIVEN EQUIPMENT): FMC, EXCEPT USE LFMC IN DAMP OR WET LOCATIONS.
4. BOXES AND ENCLOSURES: NEMA 250, TYPE 1.
B. MINIMUM RACEWAY SIZE: 3/4-INCH TRADE SIZE.
C. RACEWAY FITTINGS: COMPATIBLE WITH RACEWAYS AND SUITABLE FOR USE AND LOCATION.
1. EMT: USE SETSCREW, STEEL FITTINGS. COMPLY WITH NEMA FB 2.10.
2. FLEXIBLE CONDUIT: USE ONLY FITTINGS LISTED FOR USE WITH FLEXIBLE CONDUIT. COMPLY WITH NEMA FB 2.20.
D. INSTALL SURFACE RACEWAYS ONLY WHERE INDICATED ON DRAWINGS.

3.2 INSTALLATION
A. COMPLY WITH NECA 1 AND NECA 101 FOR INSTALLATION REQUIREMENTS EXCEPT WHERE REQUIREMENTS ON DRAWINGS OR IN THIS ARTICLE ARE STRICTER. COMPLY WITH NFPA 70 LIMITATIONS FOR TYPES OF RACEWAYS ALLOWED IN SPECIFIC OCCUPANCIES AND NUMBER OF FLOORS.
B. KEEP RACEWAYS AT LEAST 6 INCHES AWAY FROM PARALLEL RUNS OF FLUES AND STEAM OR HOT-WATER PIPES. INSTALL HORIZONTAL RACEWAY RUNS ABOVE WATER AND STEAM PIPING.
C. INSTALL NO MORE THAN THE EQUIVALENT OF THREE 90-DEGREE BENDS IN ANY CONDUIT RUN EXCEPT FOR CONTROL WIRING CONDUITS, FOR WHICH FEWER BENDS ARE ALLOWED. SUPPORT WITHIN 12 INCHES OF CHANGES IN DIRECTION.
D. CONCEAL CONDUIT AND EMT WITHIN FINISHED WALLS, CEILINGS, AND FLOORS UNLESS OTHERWISE INDICATED. INSTALL CONDUITS PARALLEL OR PERPENDICULAR TO BUILDING LINES.
E. SUPPORT CONDUIT WITHIN 12 INCHES OF ENCLOSURES TO WHICH ATTACHED.
F. STUB-UPS TO ABOVE RECESSED CEILINGS:
1. USE EMT FOR RACEWAYS.
2. USE A CONDUIT BUSHING OR INSULATED FITTING TO TERMINATE STUB-UPS NOT TERMINATED IN HUBS OR IN AN ENCLOSURE.
G. INSTALL PULL WIRES IN EMPTY RACEWAYS. USE POLYPROPYLENE OR MONOFILAMENT PLASTIC LINE WITH NOT LESS THAN 200-LB TENSILE STRENGTH. LEAVE AT LEAST 12 INCHES OF SLACK AT EACH END OF PULL WIRE.
H. MOUNT BOXES AT HEIGHTS INDICATED ON DRAWINGS. IF MOUNTING HEIGHTS OF BOXES ARE NOT INDIVIDUALLY INDICATED, GIVE PRIORITY TO ADA REQUIREMENTS.
I. HORIZONTALLY SEPARATE BOXES MOUNTED ON OPPOSITE SIDES OF WALLS SO THEY ARE NOT IN THE SAME VERTICAL CHANNEL.
J. SUPPORT BOXES OF THREE GANGS OR MORE FROM MORE THAN ONE SIDE BY SPANNING TWO FRAMING MEMBERS OR MOUNTING ON BRACKETS SPECIFICALLY DESIGNED FOR THE PURPOSE.
K. FASTEN JUNCTION AND PULL BOXES TO OR SUPPORT FROM BUILDING STRUCTURE. DO NOT SUPPORT BOXES BY CONDUIT.

3.3 FIRESTOPPING
A. INSTALL FIRESTOPPING AT PENETRATIONS OF FIRE-RATED FLOOR AND WALL ASSEMBLIES. COMPLY WITH REQUIREMENTS IN "HOSPITAL WORK NOTES" ON THE DRAWINGS.

3.4 PROTECTION
A. PROTECT COATINGS, FINISHES, AND CABINETS FROM DAMAGE AND DETERIORATION.
1. REPAIR DAMAGE TO GALVANIZED FINISHES WITH ZINC-RICH PAINT RECOMMENDED BY MANUFACTURER.
2. REPAIR DAMAGE TO PVC COATINGS OR PAINT FINISHES WITH MATCHING TOUCHUP COATING RECOMMENDED BY MANUFACTURER.

SECTION 260553 – IDENTIFICATION FOR ELECTRICAL SYSTEMS

PART 1 – GENERAL

1.1 SUMMARY
A. SECTION INCLUDES:
1. IDENTIFICATION FOR RACEWAYS.
2. IDENTIFICATION OF POWER AND CONTROL CABLES.
3. IDENTIFICATION FOR CONDUCTORS.
4. WARNING LABELS AND SIGNS.
5. MISCELLANEOUS IDENTIFICATION PRODUCTS.

1.2 ACTION SUBMITTALS
A. PRODUCT DATA: FOR EACH ELECTRICAL IDENTIFICATION PRODUCT INDICATED.
1.3 QUALITY ASSURANCE
A. COMPLY WITH ANSI A13.1.
B. COMPLY WITH NFPA 70.
C. COMPLY WITH 29 CFR 1910.144 AND 29 CFR 1910.145.
D. COMPLY WITH ANSI Z535.4 FOR SAFETY SIGNS AND LABELS.
E. ADHESIVE-ATTACHED LABELING MATERIALS, INCLUDING LABEL STOCKS, LAMINATING ADHESIVES, AND INKS USED BY LABEL PRINTERS, SHALL COMPLY WITH UL 969.

PART 2 – PRODUCTS

2.1 CONDUCTOR IDENTIFICATION MATERIALS
A. COLOR-CODING CONDUCTOR TAPE: COLORED, SELF-ADHESIVE VINYL TAPE NOT LESS THAN 3 MILS THICK BY 1 TO 2 INCHES WIDE.
B. SELF-ADHESIVE VINYL LABELS: PREPRINTED, FLEXIBLE LABEL LAMINATED WITH A CLEAR, WEATHER- AND CHEMICAL-RESISTANT COATING AND MATCHING WRAPAROUND ADHESIVE TAPE FOR SECURING ENDS OF LEGEND LABEL.
C. MARKER TAPES: VINYL OR VINYL-CLOTH, SELF-ADHESIVE WRAPAROUND TYPE, WITH CIRCUIT IDENTIFICATION LEGEND MACHINE PRINTED BY THERMAL TRANSFER OR EQUIVALENT PROCESS.

2.2 WARNING LABELS AND SIGNS
A. COMPLY WITH NFPA 70 AND 29 CFR 1910.145.
B. SELF-ADHESIVE WARNING LABELS: FACTORY-PRINTED, MULTICOLOR, PRESSURE-SENSITIVE ADHESIVE LABELS, CONFIGURED FOR DISPLAY ON FRONT COVER, DOOR, OR OTHER ACCESS TO EQUIPMENT UNLESS OTHERWISE INDICATED.
C. BAKED-ENAMEL WARNING SIGNS:
1. PREPRINTED ALUMINUM SIGNS, PUNCHED OR DRILLED FOR FASTENERS, WITH COLORS, LEGEND, AND SIZE REQUIRED FOR APPLICATION.
2. 1/4-INCH GROMMETS IN CORNERS FOR MOUNTING.
3. NOMINAL SIZE, 7 BY 10 INCHES.
D. WARNING LABEL AND SIGN SHALL INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING LEGENDS:
1. MULTIPLE POWER SOURCE WARNING: "DANGER – ELECTRICAL SHOCK HAZARD – EQUIPMENT HAS MULTIPLE POWER SOURCES."
FIRST SUBPARAGRAPH BELOW APPLIES TO OSHA REQUIREMENTS FOR BUILDING OPERATIONS AND DOES NOT REFLECT THE CLEAR WORKING SPACE REQUIRED BY NFPA 70.
2. WORKSPACE CLEARANCE WARNING: "WARNING – OSHA REGULATION – AREA IN FRONT OF ELECTRICAL EQUIPMENT MUST BE KEPT CLEAR FOR 36 INCHES."

2.3 EQUIPMENT IDENTIFICATION LABELS
A. ADHESIVE FILM LABEL WITH CLEAR PROTECTIVE OVERLAY: MACHINE PRINTED, IN BLACK, BY THERMAL TRANSFER OR EQUIVALENT PROCESS. MINIMUM LETTER HEIGHT SHALL BE 3/8 INCH. OVERLAY SHALL PROVIDE A WEATHERPROOF AND UV-RESISTANT SEAL FOR LABEL.
B. SELF-ADHESIVE, ENGRAVED, LAMINATED ACRYLIC OR MELAMINE LABEL: ADHESIVE BACKED, WITH WHITE LETTERS ON A DARK-GRAY BACKGROUND. MINIMUM LETTER HEIGHT SHALL BE 3/8 INCH (10 MM).
RETAIN PARAGRAPH BELOW TO SPECIFY TYPE OF LABEL FOR IDENTIFYING OUTDOOR EQUIPMENT IF SPECIFIED IN "IDENTIFICATION SCHEDULE" ARTICLE.

PART 3 – EXECUTION

3.1 INSTALLATION
A. LOCATION: INSTALL IDENTIFICATION MATERIALS AND DEVICES AT LOCATIONS FOR MOST CONVENIENT VIEWING WITHOUT INTERFERENCE WITH OPERATION AND MAINTENANCE OF EQUIPMENT.
B. APPLY IDENTIFICATION DEVICES TO SURFACES THAT REQUIRE FINISH AFTER COMPLETING FINISH WORK.
C. SELF-ADHESIVE IDENTIFICATION PRODUCTS: CLEAN SURFACES BEFORE APPLICATION, USING MATERIALS AND METHODS RECOMMENDED BY MANUFACTURER OF IDENTIFICATION DEVICE.
D. ATTACH SIGNS AND PLASTIC LABELS THAT ARE NOT SELF-ADHESIVE TYPE WITH MECHANICAL FASTENERS APPROPRIATE TO THE LOCATION AND SUBSTRATE.

3.2 IDENTIFICATION SCHEDULE
SPECIFY THAT COLORS FOR FACTORY-ASSEMBLED CABLE, SUCH AS MC AND AC, MUST MATCH COLORS LISTED IN FIRST PARAGRAPH BELOW.
A. POWER-CIRCUIT CONDUCTOR IDENTIFICATION, 600 V OR LESS: FOR CONDUCTORS IN VAULTS, PULL AND JUNCTION BOXES, MANHOLES, AND HANDHOLES, USE COLOR-CODING CONDUCTOR TAPE TO IDENTIFY THE PHASE.
1. COLOR-CODING FOR PHASE AND VOLTAGE LEVEL IDENTIFICATION, 600 V OR LESS: USE COLORS LISTED BELOW FOR UNGROUNDED FEEDER AND BRANCH-CIRCUIT CONDUCTORS.
a. COLOR SHALL BE FACTORY APPLIED OR FIELD APPLIED FOR SIZES LARGER THAN NO. 8 AWG, IF AUTHORITIES HAVING JURISDICTION PERMIT.
b. COLORS FOR 208/120-V CIRCUITS:
1) PHASE A: BLACK.
2) PHASE B: RED.
3) PHASE C: BLUE.
c. COLORS FOR 480/277-V CIRCUITS:
1) PHASE A: BROWN.
2) PHASE B: ORANGE.
3) PHASE C: YELLOW.
d. FIELD-APPLIED, COLOR-CODING CONDUCTOR TAPE: APPLY IN HALF-LAPPED TURNS FOR A MINIMUM DISTANCE OF 6 INCHES FROM TERMINAL POINTS AND IN BOXES WHERE SPLICES OR TAPS ARE MADE. APPLY LAST TWO TURNS OF TAPE WITH NO TENSION TO PREVENT POSSIBLE COORDINATE PARAGRAPH BELOW WITH ELECTRICAL SECTIONS. DELETE ITEMS NOT IN PROJECT.
B. EQUIPMENT IDENTIFICATION LABELS: ON EACH UNIT OF EQUIPMENT, INSTALL UNIQUE DESIGNATION LABEL THAT IS CONSISTENT WITH WIRING DIAGRAMS, SCHEDULES, AND THE OPERATION AND MAINTENANCE MANUAL. APPLY LABELS TO DISCONNECT SWITCHES AND PROTECTION EQUIPMENT, CENTRAL OR MASTER UNITS, CONTROL PANELS, CONTROL STATIONS, TERMINAL CABINETS, AND RACKS OF EACH SYSTEM. SYSTEMS INCLUDE POWER, LIGHTING, CONTROL, COMMUNICATION, SIGNAL, MONITORING, AND ALARM SYSTEMS UNLESS EQUIPMENT IS PROVIDED WITH ITS OWN IDENTIFICATION.
1. LABELING INSTRUCTIONS:
a. INDOOR EQUIPMENT: SELF-ADHESIVE, ENGRAVED, LAMINATED ACRYLIC OR MELAMINE LABEL. UNLESS OTHERWISE INDICATED, PROVIDE A SINGLE LINE OF TEXT WITH 1/2-INCH- HIGH LETTERS ON 1-1/2-INCH- HIGH LABEL; WHERE TWO LINES OF TEXT ARE REQUIRED, USE LABELS 2 INCHES HIGH.
b. UNLESS PROVIDED WITH SELF-ADHESIVE MEANS OF ATTACHMENT, FASTEN LABELS WITH APPROPRIATE MECHANICAL FASTENERS THAT DO NOT CHANGE THE NEMA OR NRTL RATING OF THE ENCLOSURE.

SECTION 260923 – LIGHTING CONTROL DEVICES

PART 1 – GENERAL

1.1 SUMMARY
A. SECTION INCLUDES:
1. INDOOR OCCUPANCY AND VACANCY SENSORS.
2. DIGITAL WALL CONTROL STATIONS.
3. CONDUCTORS AND CABLES.

1.2 ACTION SUBMITTALS
A. PRODUCT DATA:
1. INDOOR OCCUPANCY AND VACANCY SENSORS.
2. SWITCHBOX-MOUNTED OCCUPANCY SENSORS.
3. DIGITAL WALL CONTROL STATIONS.
4. CONDUCTORS AND CABLES.

1.3 SHOP DRAWINGS:
A. PROVIDE INSTALLATION DETAILS FOR THE FOLLOWING:
1. OCCUPANCY SENSORS.
2. INTERCONNECTION DIAGRAMS INDICATING FIELD-INSTALLED WIRING.
3. INCLUDE DIAGRAMS FOR POWER, SIGNAL, AND CONTROL WIRING.
4. FIELD QUALITY-CONTROL REPORTS.

1.4 INFORMATIONAL SUBMITTALS
A. SAMPLE WARRANTY: FOR MANUFACTURER'S WARRANTIES.
B. WARRANTY
1. SPECIAL EXTENDED WARRANTY: MANUFACTURER AND INSTALLER WARRANT THAT INSTALLED LIGHTING CONTROL DEVICES PERFORM IN ACCORDANCE WITH SPECIFIED REQUIREMENTS AND AGREE TO REPAIR OR REPLACE, INCLUDING LABOR, MATERIALS, AND EQUIPMENT, DEVICES THAT FAIL TO PERFORM AS SPECIFIED WITHIN EXTENDED WARRANTY PERIOD.
A. FAILURES INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
1. FAULTY OPERATION OF LIGHTING CONTROL SOFTWARE.
2. FAULTY OPERATION OF LIGHTING CONTROL DEVICES.
3. EXTENDED WARRANTY PERIOD: FIVE YEAR(S) FROM DATE OF SHIPMENT.

PART 2 – PRODUCTS

2.1 INDOOR OCCUPANCY AND VACANCY SENSORS
A. GENERAL REQUIREMENTS FOR SENSORS:
1. BUILT INTO THE LIGHT FIXTURES (N-LIGHT TECHNOLOGY) AS SPECIFIED IN THE "NEW LIGHT FIXTURE SCHEDULE".
2. HARDWIRED CONNECTIONS TO CONTROL DEVICES.
3. LISTED AND LABELED IN ACCORDANCE WITH NFPA 70, BY A QUALIFIED ELECTRICAL TESTING LABORATORY RECOGNIZED BY AUTHORITIES HAVING JURISDICTION AND MARKED FOR INTENDED LOCATION AND APPLICATION.
B. OPERATION:
1. OCCUPANCY SENSOR: UNLESS OTHERWISE INDICATED, TURN LIGHTS ON WHEN COVERAGE AREA IS OCCUPIED, AND TURN THEM OFF WHEN UNOCCUPIED; WITH A TIME DELAY FOR TURNING LIGHTS OFF, ADJUSTABLE OVER A MINIMUM RANGE OF 1 TO 15 MINUTES.

2.2 DIGITAL WALL CONTROL STATIONS
A. DESCRIPTION: MANUAL CONTROLS FOR ON/OFF, DIMMING AND LIGHTING SCENE SELECTION COMPATIBLE WITH OCCUPANCY AND PHOTOSENSOR CONTROL POWER PACKS ALLOWING USER OVERRIDE OF INDOOR ELECTRICAL LIGHTING LEVELS.
B. WIRED, DIGITAL WALL CONTROLS:
1. BASIS-OF-DESIGN PRODUCT: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE NLIGHT; ACUITY BRANDS LIGHTING, INC.; MODEL NPODMA OR COMPARABLE PRODUCT BY ONE OF THE FOLLOWING:
    COOPER INDUSTRIES, INC.
    LEVITON MANUFACTURING CO., INC.
MAXIMUM HUMIDITY: 90 PERCENT, NON-CONDENSING.
SWITCH OUTPUT: DIGITAL SIGNAL COMPATIBLE WITH POWER PACK.
WIRING: TWO RJ-45 PORTS FOR CATEGORY 5E, UTP WIRING TO POWER PACK.
COLOR: WHITE AND RED.

2.3 CONDUCTORS AND CABLES
A. POWER WIRING TO SUPPLY SIDE OF REMOTE-CONTROL POWER SOURCES: NOT SMALLER THAN NO. 12 AWG. COMPLY WITH REQUIREMENTS IN SECTION 260519 "LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES."
B. CLASSES 2 AND 3 CONTROL CABLE: MULTICONDUCTOR CABLE WITH STRANDED-COPPER CONDUCTORS NOT SMALLER THAN [NO. 18] [NO. 22] [NO. 24] AWG. COMPLY WITH REQUIREMENTS IN SECTION 260519 "LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES."
C. CLASS 1 CONTROL CABLE: MULTICONDUCTOR CABLE WITH STRANDED-COPPER CONDUCTORS.

PART 3 – EXECUTION

3.1 EXAMINATION
A. EXAMINE LIGHTING CONTROL DEVICES BEFORE INSTALLATION. REJECT LIGHTING CONTROL DEVICES THAT ARE WET, MOISTURE DAMAGED, OR MOLD DAMAGED.
B. EXAMINE WALLS AND CEILINGS FOR SUITABLE CONDITIONS WHERE LIGHTING CONTROL DEVICES WILL BE INSTALLED.
C. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.

3.2 INSTALLATION OF WIRING
A. WIRING METHOD: COMPLY WITH SECTION 260519 "LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES." MINIMUM CONDUIT SIZE IS 0.75 INCH.
B. WIRING WITHIN ENCLOSURES: SEPARATE POWER-LIMITED AND NONPOWER-LIMITED CONDUCTORS IN ACCORDANCE WITH CONDUCTOR MANUFACTURER'S INSTRUCTIONS.
C. SIZE CONDUCTORS IN ACCORDANCE WITH LIGHTING CONTROL DEVICE MANUFACTURER'S INSTRUCTIONS UNLESS OTHERWISE INDICATED.

3.3 SPLICES, TAPS, AND TERMINATIONS: MAKE CONNECTIONS ONLY ON NUMBERED TERMINAL STRIPS IN JUNCTION, PULL, DEVICE, AND OUTLET BOXES; TERMINAL CABINETS; AND EQUIPMENT ENCLOSURES.

3.4 IDENTIFICATION
A. IDENTIFY COMPONENTS AND POWER AND CONTROL WIRING IN ACCORDANCE WITH SECTION 260553 "IDENTIFICATION FOR ELECTRICAL SYSTEMS.
LABEL TIME SWITCHES AND CONTACTORS WITH A UNIQUE DESIGNATION.

3.5 FIELD QUALITY CONTROL
A. FIELD TESTS MUST BE WITNESSED BY THE IOR.
B. TESTS AND INSPECTIONS:
1. OPERATIONAL TEST: AFTER INSTALLING TIME SWITCHES AND SENSORS, AND AFTER ELECTRICAL CIRCUITRY HAS BEEN ENERGIZED, START UNITS TO CONFIRM PROPER UNIT OPERATION.
TEST AND ADJUST CONTROLS AND SAFETIES. REPLACE DAMAGED AND MALFUNCTIONING CONTROLS AND EQUIPMENT.

3.6 NONCONFORMING WORK:
A. LIGHTING CONTROL DEVICES WILL BE CONSIDERED DEFECTIVE IF THEY DO NOT PASS TESTS AND INSPECTIONS.
B. REMOVE AND REPLACE DEFECTIVE UNITS AND RETEST.
C. PREPARE TEST AND INSPECTION REPORTS.

3.7 ADJUSTING
A. OCCUPANCY ADJUSTMENTS: WHEN REQUESTED WITHIN 6 MONTHS FROM DATE OF SUBSTANTIAL COMPLETION, PROVIDE ON-SITE ASSISTANCE IN ADJUSTING LIGHTING CONTROL DEVICES TO SUIT ACTUAL OCCUPIED CONDITIONS. PROVIDE UP TO TWO VISITS TO PROJECT DURING OTHER-THAN-NORMAL OCCUPANCY HOURS FOR THIS PURPOSE.
B. FOR OCCUPANCY AND MOTION SENSORS, VERIFY OPERATION AT OUTER LIMITS OF DETECTOR RANGE. SET TIME DELAY TO SUIT OWNER'S OPERATIONS.

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✱ READ THE SPECIFICATIONS !

READ THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. IN CASE OR CONFLICT BETWEEN SPECIFICATIONS AND DRAWINGS THE MORE RESTRICTIVE REQUIREMENTS SHALL TAKE PRECEDENCE.

THIS DRAWING AND THE DESIGN HEREON ARE INTENDED FOR THIS ONE SPECIFIC PROJECT ONLY. ANY USE OR RE-USE BEYOND THIS ONE PROJECT IS THE SOLE RESPONSIBILITY OF THE USER.

ALTHOUGH A "SCALE" MAY BE INDICATED, THE INFORMATION ON THIS DRAWING IS APPROXIMATE AND DIAGRAMMATIC ONLY, AND SHALL NOT BE SCALED TO OBTAIN DISTANCES. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING THE INTENT AND USE OF THESE DRAWINGS.

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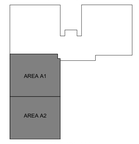

KEYPLAN

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Office of Statewide Hospital Planning and Development
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Russell Rocker

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HGA NO: 3707-016-00

ELECTRICAL SPECIFICATIONS - PART 1

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

E501

CONSTRUCTION DOCUMENT

ELECTRICAL SPECIFICATIONS

PART 2

SECTION 262726 – WIRING DEVICES

PART 1 – GENERAL

1.1 SUMMARY
A. SECTION INCLUDES:
1. GENERAL–USE SWITCHES, DIMMER SWITCHES, AND FAN–SPEED CONTROLLER SWITCHES.
2. GENERAL–GRADE SINGLE STRAIGHT–BLADE RECEPTACLES.
3. GENERAL–GRADE DUPLEX STRAIGHT–BLADE RECEPTACLES.
4. HOSPITAL–GRADE STRAIGHT–BLADE RECEPTACLES.
5. SPECIAL–PURPOSE POWER OUTLET ASSEMBLIES.
B. PRODUCT DATA:
1. SWITCHES.
2. DIMMER SWITCHES.
3. SINGLE STRAIGHT–BLADE RECEPTACLES
4. DUPLEX STRAIGHT–BLADE RECEPTACLES.
5. HOSPITAL–GRADE STRAIGHT–BLADE RECEPTACLES.
6. RECEPTACLES WITH GFCI DEVICE.
7. LOCKING RECEPTACLES.

1.2 INFORMATIONAL SUBMITTALS
A. MANUFACTURERS' INSTRUCTIONS: RECORD COPY OF OFFICIAL INSTALLATION AND TESTING INSTRUCTIONS ISSUED TO INSTALLER BY MANUFACTURER FOR THE FOLLOWING:
1. DIMMERS.
2. SINGLE STRAIGHT–BLADE RECEPTACLES.
3. DUPLEX STRAIGHT–BLADE RECEPTACLES.
4. HOSPITAL–GRADE STRAIGHT–BLADE RECEPTACLES.
5. RECEPTACLES WITH GFCI DEVICE.
6. LOCKING RECEPTACLES.

1.3 WARRANTY FOR DEVICES
A. SPECIAL MANUFACTURER EXTENDED WARRANTY: MANUFACTURER WARRANTS THAT DEVICES PERFORM IN ACCORDANCE WITH SPECIFIED REQUIREMENTS AND AGREES TO PROVIDE REPAIR OR REPLACEMENT OF DEVICES THAT FAIL TO PERFORM AS SPECIFIED WITHIN EXTENDED WARRANTY PERIOD.
1. WARRANTY PERIOD: [MINIMUM OF TWO YEARS FROM DATE OF SUBSTANTIAL COMPLETION; PRORATED COVERAGE FOR LABOR, MATERIALS, AND EQUIPMENT.

PART 2 – PRODUCTS

2.1 GENERAL–USE SWITCHES, AND DIMMER SWITCHES
A. TOGGLE SWITCH:
1. REFER TO THE SYMBOL LIST ON THE DRAWINGS.
2. REGULATORY REQUIREMENTS:
A. LISTED AND LABELED IN ACCORDANCE WITH NFPA 70, BY QUALIFIED ELECTRICAL TESTING LABORATORY RECOGNIZED BY AUTHORITIES HAVING JURISDICTION, AND MARKED FOR INTENDED LOCATION AND APPLICATION.
3. GENERAL CHARACTERISTICS:
A. REFERENCE STANDARDS: UL CCN WMUZ AND UL 20.
4. OPTIONS:
A. DEVICE COLOR: MATCH THE EXISTING IN THE FACILITY.
5. ACCESSORIES:
A. COVER PLATE: 0.060 INCH (1.5 MM) THICK, HIGH–IMPACT THERMOPLASTIC (NYLON) WITH SMOOTH FINISH AND COLOR MATCHING WIRING DEVICE; FROM SAME MANUFACTURER AS WIRING DEVICE.
B. TYPE I DIMMER SWITCH:
1. REFER TO THE SYMBOL LIST ON THE DRAWINGS.
2. REGULATORY REQUIREMENTS:
A. LISTED AND LABELED IN ACCORDANCE WITH NFPA 70, BY QUALIFIED ELECTRICAL TESTING LABORATORY RECOGNIZED BY AUTHORITIES HAVING JURISDICTION, AND MARKED FOR INTENDED LOCATION AND APPLICATION.
3. GENERAL CHARACTERISTICS:
A. REFERENCE STANDARDS: UL CCN EOYX AND UL 1472 TYPE I DIMMER.
4. OPTIONS:
A. DEVICE COLOR: MATCH FACILITY EXISTING COLORS..
5. ACCESSORIES:
A. COVER PLATE: 0.060 INCH (1.5 MM) THICK, HIGH–IMPACT THERMOPLASTIC (NYLON) WITH SMOOTH FINISH AND COLOR MATCHING WIRING DEVICE; FROM SAME MANUFACTURER AS WIRING DEVICE.
B. SECURING SCREWS FOR COVER PLATE: METAL WITH HEAD COLOR MATCHING WALLPLATE FINISH.

2.2 GENERAL–GRADE SINGLE STRAIGHT–BLADE RECEPTACLES
A. SINGLE STRAIGHT–BLADE RECEPTACLE:
1. REFER TO THE SYMBOL LIST ON THE DRAWINGS
2. REGULATORY REQUIREMENTS:
A. LISTED AND LABELED IN ACCORDANCE WITH NFPA 70, BY QUALIFIED ELECTRICAL TESTING LABORATORY RECOGNIZED BY AUTHORITIES HAVING JURISDICTION, AND MARKED FOR INTENDED LOCATION AND APPLICATION.
3. GENERAL CHARACTERISTICS:
A. REFERENCE STANDARDS: UL CCN RTRT AND UL 498.
4. OPTIONS:
A. DEVICE COLOR: MATCH THE FACILITY EXISTING.
5. ACCESSORIES:
A. COVER PLATE: 0.060 INCH (1.5 MM) THICK, HIGH–IMPACT THERMOPLASTIC (NYLON) WITH SMOOTH FINISH AND COLOR MATCHING WIRING DEVICE; FROM SAME MANUFACTURER AS WIRING DEVICE.
B. SECURING SCREWS FOR COVER PLATE: METAL WITH HEAD COLOR MATCHING WALLPLATE FINISH.
B. TAMPER–RESISTANT, CLOCK HANGER STRAIGHT–BLADE RECEPTACLE:
1. REFER TO THE SYMBOL LIST ON THE DRAWINGS
2. REGULATORY REQUIREMENTS:
A. LISTED AND LABELED IN ACCORDANCE WITH NFPA 70, BY QUALIFIED ELECTRICAL TESTING LABORATORY RECOGNIZED BY AUTHORITIES HAVING JURISDICTION, AND MARKED FOR INTENDED LOCATION AND APPLICATION.
3. GENERAL CHARACTERISTICS:
A. REFERENCE STANDARDS: UL CCN RTRT AND UL 498.
4. OPTIONS:
A. FINISH: MATCH EXISTING IN THE FACILITY.

2.3 GENERAL–GRADE DUPLEX STRAIGHT–BLADE RECEPTACLES
A. DUPLEX STRAIGHT–BLADE RECEPTACLE:
1. REFER TO THE SYMBOL LIST ON THE DRAWINGS
2. REGULATORY REQUIREMENTS:
A. LISTED AND LABELED IN ACCORDANCE WITH NFPA 70, BY QUALIFIED ELECTRICAL TESTING LABORATORY RECOGNIZED BY AUTHORITIES HAVING JURISDICTION, AND MARKED FOR INTENDED LOCATION AND APPLICATION.
3. GENERAL CHARACTERISTICS:
A. REFERENCE STANDARDS: UL CCN RTRT AND UL 498.
4. OPTIONS:
A. DEVICE COLOR: MATCH THE FACILITY EXISTING..
5. ACCESSORIES:
A. COVER PLATE: 0.060 INCH (1.5 MM) THICK, HIGH–IMPACT THERMOPLASTIC (NYLON) WITH SMOOTH FINISH AND COLOR MATCHING WIRING DEVICE; FROM SAME MANUFACTURER AS WIRING DEVICE.
B. SECURING SCREWS FOR COVER PLATE: METAL WITH HEAD COLOR MATCHING WALLPLATE FINISH.
B. TAMPER–RESISTANT DUPLEX STRAIGHT–BLADE RECEPTACLE:
1. REFER TO THE SYMBOL LIST ON THE DRAWINGS
2. REGULATORY REQUIREMENTS:
A. LISTED AND LABELED IN ACCORDANCE WITH NFPA 70, BY QUALIFIED ELECTRICAL TESTING LABORATORY RECOGNIZED BY AUTHORITIES HAVING JURISDICTION, AND MARKED FOR INTENDED LOCATION AND APPLICATION.
3. GENERAL CHARACTERISTICS:
A. REFERENCE STANDARDS: UL CCN RTRT AND UL 498.
4. OPTIONS:
A. DEVICE COLOR: MATCH FACILITY EXISTING.
B. CONFIGURATION:
C. COVER PLATE: 0.060 INCH (1.5 MM) THICK, HIGH–IMPACT THERMOPLASTIC (NYLON) WITH SMOOTH FINISH AND COLOR MATCHING WIRING DEVICE; FROM SAME MANUFACTURER AS WIRING DEVICE.
D. SECURING SCREWS FOR COVER PLATE: METAL WITH HEAD COLOR MATCHING WALLPLATE FINISH.
C. TAMPER–RESISTANT DUPLEX STRAIGHT–BLADE RECEPTACLE WITH USB OUTLET TO POWER CLASS 2 EQUIPMENT:
1. REFER TO THE SYMBOL LIST ON THE DRAWINGS
2. REGULATORY REQUIREMENTS:
A. LISTED AND LABELED IN ACCORDANCE WITH NFPA 70, BY QUALIFIED ELECTRICAL TESTING LABORATORY RECOGNIZED BY AUTHORITIES HAVING JURISDICTION, AND MARKED FOR INTENDED LOCATION AND APPLICATION.
3. GENERAL CHARACTERISTICS:
A. REFERENCE STANDARDS: UL CCN RTRT AND UL 498.
4. OPTIONS:
A. DEVICE COLOR: MATCH THE FACILITY EXISTING.
B. CONFIGURATION:
5. ACCESSORIES:
A. COVER PLATE: 0.060 INCH (1.5 MM) THICK, HIGH–IMPACT THERMOPLASTIC (NYLON) WITH SMOOTH FINISH AND COLOR MATCHING WIRING DEVICE; FROM SAME MANUFACTURER AS WIRING DEVICE.
B. SECURING SCREWS FOR COVER PLATE: METAL WITH HEAD COLOR MATCHING WALLPLATE FINISH.

2.4 HOSPITAL–GRADE STRAIGHT–BLADE RECEPTACLES
A. HOSPITAL–GRADE, NON–FERROUS DUPLEX STRAIGHT–BLADE RECEPTACLE:
1. REFER TO THE SYMBOL LIST ON THE DRAWINGS
2. REGULATORY REQUIREMENTS:
A. LISTED AND LABELED IN ACCORDANCE WITH NFPA 70, BY QUALIFIED ELECTRICAL TESTING LABORATORY RECOGNIZED BY AUTHORITIES HAVING JURISDICTION, AND MARKED FOR INTENDED LOCATION AND APPLICATION.
3. GENERAL CHARACTERISTICS:
A. REFERENCE STANDARDS: UL CCN RTRT AND UL 498.
4. OPTIONS:
A. DEVICE COLOR: MATCH THE FACILITY EXISTING.
B. CONFIGURATION: EXTRA–HEAVY–DUTY, NEMA 5–20R.
5. ACCESSORIES:
A. COVER PLATE: 0.060 INCH (1.5 MM) THICK, HIGH–IMPACT THERMOPLASTIC (NYLON) WITH SMOOTH FINISH AND COLOR MATCHING WIRING DEVICE; FROM SAME MANUFACTURER AS WIRING DEVICE.
B. SECURING SCREWS FOR COVER PLATE: METAL WITH HEAD COLOR MATCHING WALLPLATE FINISH.
B. HOSPITAL–GRADE, TAMPER–RESISTANT DUPLEX STRAIGHT–BLADE RECEPTACLE:
1. REFER TO THE SYMBOL LIST ON THE DRAWINGS.
2. REGULATORY REQUIREMENTS:
A. LISTED AND LABELED IN ACCORDANCE WITH NFPA 70, BY QUALIFIED ELECTRICAL TESTING LABORATORY RECOGNIZED BY AUTHORITIES HAVING JURISDICTION, AND MARKED FOR INTENDED LOCATION AND APPLICATION.
3. GENERAL CHARACTERISTICS:
A. REFERENCE STANDARDS: UL CCN RTRT AND UL 498.
4. OPTIONS:
A. DEVICE COLOR: MATCH EXISTING AT FACILITY.
B. CONFIGURATION:
1) HEAVY–DUTY, NEMA 5–20R.
5. ACCESSORIES:
A. COVER PLATE: 0.060 INCH (1.5 MM) THICK, HIGH–IMPACT THERMOPLASTIC (NYLON) WITH SMOOTH FINISH AND COLOR MATCHING WIRING DEVICE; FROM SAME MANUFACTURER AS WIRING DEVICE.
B. SECURING SCREWS FOR COVER PLATE: METAL WITH HEAD COLOR MATCHING WALLPLATE FINISH.
C. HOSPITAL–GRADE, TAMPER–RESISTANT DUPLEX STRAIGHT–BLADE RECEPTACLE WITH USB OUTLET TO POWER CLASS 2 EQUIPMENT:
1. REFER TO THE SYMBOL LIST ON THE DRAWINGS
2. REGULATORY REQUIREMENTS:
A. LISTED AND LABELED IN ACCORDANCE WITH NFPA 70, BY QUALIFIED ELECTRICAL TESTING LABORATORY RECOGNIZED BY AUTHORITIES HAVING JURISDICTION, AND MARKED FOR INTENDED LOCATION AND APPLICATION.
3. GENERAL CHARACTERISTICS:
A. REFERENCE STANDARDS: UL CCN RTRT AND UL 498.
4. OPTIONS:
A. DEVICE COLOR: MATCH FACILITY EXISTING.
B. CONFIGURATION:
1) HEAVY–DUTY, NEMA 5–20R; TWO USB PORTS.
5. ACCESSORIES:
A. COVER PLATE: 0.060 INCH (1.5 MM) THICK, HIGH–IMPACT THERMOPLASTIC (NYLON) WITH SMOOTH FINISH AND COLOR MATCHING WIRING DEVICE; FROM SAME MANUFACTURER AS WIRING DEVICE.
B. SECURING SCREWS FOR COVER PLATE: METAL WITH HEAD COLOR MATCHING WALLPLATE FINISH.

2.5 LOCKING RECEPTACLES
A. NEMA, 125 V, LOCKING RECEPTACLE:
1. REFER TO THE SYMBOL LIST ON THE DRAWINGS
2. REGULATORY REQUIREMENTS:
A. LISTED AND LABELED IN ACCORDANCE WITH NFPA 70, BY QUALIFIED ELECTRICAL TESTING LABORATORY RECOGNIZED BY AUTHORITIES HAVING JURISDICTION, AND MARKED FOR INTENDED LOCATION AND APPLICATION.
3. GENERAL CHARACTERISTICS:
A. REFERENCE STANDARDS: UL CCN RTRT AND UL 498.

PART 3 – EXECUTION

3.1 EXAMINATION
A. RECEPTACLES:
1. VERIFY THAT RECEPTACLES TO BE PROCURED AND INSTALLED FOR OWNER–FURNISHED EQUIPMENT ARE COMPATIBLE WITH MATING ATTACHMENT PLUGS ON EQUIPMENT.

3.2 SELECTION OF GFCI RECEPTACLES
A. HEALTHCARE FACILITIES: PROVIDE NON–FEED–THROUGH GFCI RECEPTACLES.

3.3 INSTALLATION OF SWITCHES
A. COMPLY WITH MANUFACTURER'S INSTRUCTIONS.
B. REFERENCE STANDARDS:
1. UNLESS MORE STRINGENT REQUIREMENTS ARE SPECIFIED IN CONTRACT DOCUMENTS OR MANUFACTURERS' INSTRUCTIONS, COMPLY WITH INSTALLATION INSTRUCTIONS IN NECA NEIS 130.
2. MOUNTING HEIGHTS: UNLESS OTHERWISE INDICATED IN CONTRACT DOCUMENTS, COMPLY WITH MOUNTING HEIGHTS RECOMMENDED IN NECA NEIS 1.
3. CONSULT ARCHITECT FOR RESOLUTION OF CONFLICTING REQUIREMENTS.
C. IDENTIFICATION:
1. IDENTIFY COVER OR COVER PLATE FOR DEVICE WITH PANELBOARD IDENTIFICATION AND CIRCUIT NUMBER IN ACCORDANCE WITH SECTION 260553 "IDENTIFICATION FOR ELECTRICAL SYSTEMS."
A. HEALTHCARE FACILITIES: DISTINCTIVELY IDENTIFY COVERS OR COVER PLATES OF DEVICE BOXES AND OUTLET BOXES THAT ARE SUPPLIED FROM LIFE SAFETY AND CRITICAL BRANCH POWER SUPPLIES FOLLOWING FACILITY'S STANDARD PRACTICE.
D. INTERFACES WITH OTHER WORK:
1. COORDINATE INSTALLATION OF NEW PRODUCTS WITH EXISTING CONDITIONS.

SECTION 262816 – ENCLOSED SWITCHES AND CIRCUIT BREAKERS

PART 1 – GENERAL

1.1 SUMMARY
A. SECTION INCLUDES:
1. MOLDED–CASE CIRCUIT BREAKERS (MCCBS).
2. ENCLOSURES.

1.2 DEFINITIONS
A. NC: NORMALLY CLOSED.
B. NO: NORMALLY OPEN.
C. SPDT: SINGLE POLE, DOUBLE THROW.

1.3 PERFORMANCE REQUIREMENTS
A. SEISMIC PERFORMANCE: ENCLOSED SWITCHES AND CIRCUIT BREAKERS SHALL WITHSTAND THE EFFECTS OF EARTHQUAKE MOTIONS DETERMINED ACCORDING TO OSHP&D.

1.4 ACTION SUBMITTALS
A. PRODUCT DATA: FOR EACH TYPE OF ENCLOSED CIRCUIT BREAKER, ACCESSORY, AND COMPONENT INDICATED.

1.5 INFORMATIONAL SUBMITTALS
A. SEISMIC QUALIFICATION CERTIFICATES: FOR ENCLOSED SWITCHES AND CIRCUIT BREAKERS, ACCESSORIES, AND COMPONENTS, FROM MANUFACTURER.

1.6 CLOSEOUT SUBMITTALS
A. OPERATION AND MAINTENANCE DATA.

1.7 QUALITY ASSURANCE
A. ELECTRICAL COMPONENTS, DEVICES, AND ACCESSORIES: LISTED AND LABELED AS DEFINED IN NFPA 70, BY A QUALIFIED TESTING AGENCY, AND MARKED FOR INTENDED LOCATION AND APPLICATION.
B. COMPLY WITH NFPA 70.

PART 2 – PRODUCTS

2.1 MOLDED–CASE CIRCUIT BREAKERS
A. MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS SPECIFIED ON THE DRAWINGS.
B. GENERAL REQUIREMENTS: COMPLY WITH UL 489, NEMA AB 1, AND NEMA AB 3, WITH INTERRUPTING CAPACITY TO COMPLY WITH AVAILABLE FAULT CURRENTS.
C. THERMAL–MAGNETIC CIRCUIT BREAKERS: INVERSE TIME–CURRENT ELEMENT FOR LOW–LEVEL OVERLOADS AND INSTANTANEOUS MAGNETIC TRIP ELEMENT FOR SHORT CIRCUITS.
D. FEATURES AND ACCESSORIES:
1. STANDARD FRAME SIZES, TRIP RATINGS, AND NUMBER OF POLES.
2. LUGS: SUITABLE FOR NUMBER, SIZE, TRIP RATINGS, AND CONDUCTOR MATERIAL.
3. SHUNT TRIP: TRIP COIL ENERGIZED FROM SEPARATE CIRCUIT, WITH COIL–CLEARING CONTACT.
2.2 ENCLOSURES
A. ENCLOSED SWITCHES AND CIRCUIT BREAKERS: NEMA AB 1, NEMA KS 1, NEMA 250, AND UL 50, TO COMPLY WITH ENVIRONMENTAL CONDITIONS AT INSTALLED LOCATION.
1. INDOOR, DRY AND CLEAN LOCATIONS: NEMA 250, TYPE 1.

PART 3 – EXECUTION

3.1 INSTALLATION
A. INSTALL INDIVIDUAL WALL–MOUNTED CIRCUIT BREAKERS WITH TOPS AT UNIFORM HEIGHT UNLESS OTHERWISE INDICATED.

3.2 IDENTIFICATION
A. COMPLY WITH REQUIREMENTS IN SECTION 260553 "IDENTIFICATION FOR ELECTRICAL SYSTEMS."
1. IDENTIFY FIELD–INSTALLED CONDUCTORS, INTERCONNECTING WIRING, AND COMPONENTS; PROVIDE WARNING SIGNS.
2. LABEL EACH ENCLOSURE WITH ENGRAVED METAL OR LAMINATED–PLASTIC NAMEPLATE.

3.3 FIELD QUALITY CONTROL
A. PERFORM TESTS AND INSPECTIONS.
B. ACCEPTANCE TESTING PREPARATION:
1. TEST INSULATION RESISTANCE FOR EACH ENCLOSED CIRCUIT BREAKER, COMPONENT, CONNECTING SUPPLY, FEEDER, AND CONTROL CIRCUIT.
2. TEST CONTINUITY OF EACH CIRCUIT.
C. TESTS AND INSPECTIONS:
1. PERFORM EACH VISUAL AND MECHANICAL INSPECTION AND ELECTRICAL TEST STATED IN NETA ACCEPTANCE TESTING SPECIFICATION. CERTIFY COMPLIANCE WITH TEST PARAMETERS.
2. CORRECT MALFUNCTIONING UNITS ON–SITE, WHERE POSSIBLE, AND RETEST TO DEMONSTRATE COMPLIANCE; OTHERWISE, REPLACE WITH NEW UNITS AND RETEST.
D. ENCLOSED SWITCHES AND CIRCUIT BREAKERS WILL BE CONSIDERED DEFECTIVE IF THEY DO NOT PASS TESTS AND INSPECTIONS.
E. PREPARE TEST AND INSPECTION REPORTS, INCLUDING A CERTIFIED REPORT THAT IDENTIFIES ENCLOSED SWITCHES AND CIRCUIT BREAKERS AND THAT DESCRIBES SCANNING RESULTS. INCLUDE NOTATION OF DEFICIENCIES DETECTED, REMEDIAL ACTION TAKEN, AND OBSERVATIONS AFTER REMEDIAL ACTION.

SECTION 265100 – INTERIOR LIGHTING

PART 1 – GENERAL

1.1 SUMMARY
A. SECTION INCLUDES:
1. INTERIOR LIGHTING FIXTURES, LAMPS, AND BALLASTS.
2. EMERGENCY LIGHTING UNITS.
3. LIGHTING FIXTURE SUPPORTS.

1.2 ACTION SUBMITTALS
A. PRODUCT DATA: FOR EACH TYPE OF LIGHTING FIXTURE, ARRANGED IN ORDER OF FIXTURE DESIGNATION. INCLUDE DATA ON FEATURES, ACCESSORIES, AND FINISHES.
1.3 INFORMATIONAL SUBMITTALS
A. FIELD QUALITY–CONTROL REPORTS.

1.4 QUALITY ASSURANCE
A. ELECTRICAL COMPONENTS, DEVICES, AND ACCESSORIES: LISTED AND LABELED AS DEFINED IN NFPA 70, BY A QUALIFIED TESTING AGENCY, AND MARKED FOR INTENDED LOCATION AND APPLICATION.
B. COMPLY WITH NFPA 70.

PART 2 – PRODUCTS

2.1 MANUFACTURERS
A. PRODUCTS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCT INDICATED ON DRAWINGS OR APPROVED EQUAL.
2.2 GENERAL REQUIREMENTS FOR LIGHTING FIXTURES AND COMPONENTS
A. RECESSED FIXTURES: COMPLY WITH NEMA LE 4 FOR CEILING COMPATIBILITY FOR RECESSED FIXTURES.
B. METAL PARTS: FREE OF BURRS AND SHARP CORNERS AND EDGES.
C. SHEET METAL COMPONENTS: STEEL UNLESS OTHERWISE INDICATED. FORM AND SUPPORT TO PREVENT WARPING AND SAGGING.
D. DOORS, FRAMES, AND OTHER INTERNAL ACCESS: SMOOTH OPERATING, FREE OF LIGHT LEAKAGE UNDER OPERATING CONDITIONS, AND DESIGNED TO PERMIT RELAMPING WITHOUT USE OF TOOLS. DESIGNED TO PREVENT DOORS, FRAMES, LENSES, DIFFUSERS, AND OTHER COMPONENTS FROM FALLING ACCIDENTALLY DURING RELAMPING AND WHEN SECURED IN OPERATING POSITION.
E. DIFFUSERS AND GLOBES:
1. ACRYLIC LIGHTING DIFFUSERS: 100 PERCENT VIRGIN ACRYLIC PLASTIC. HIGH RESISTANCE TO YELLOWING AND OTHER CHANGES DUE TO AGING, EXPOSURE TO HEAT, AND UV RADIATION.
a. UV STABILIZED.

PART 3 – EXECUTION

3.1 INSTALLATION
A. LIGHTING FIXTURES: SET LEVEL, PLUMB, AND SQUARE WITH CEILINGS AND WALLS. INSTALL LAMPS IN EACH FIXTURE.
B. COMPLY WITH NFPA 70 FOR MINIMUM FIXTURE SUPPORTS.
C. ADJUST AIMABLE LIGHTING FIXTURES TO PROVIDE REQUIRED LIGHT INTENSITIES.
D. CONNECT WIRING ACCORDING TO SECTION 260519 "LOW–VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES."
3.2 FIELD QUALITY CONTROL
A. TEST FOR EMERGENCY LIGHTING: INTERRUPT POWER SUPPLY TO DEMONSTRATE PROPER OPERATION. VERIFY TRANSFER FROM NORMAL POWER TO BATTERY AND RETRANSFER TO NORMAL.
B. PREPARE A WRITTEN REPORT OF TESTS, INSPECTIONS, OBSERVATIONS, AND VERIFICATIONS INDICATING AND INTERPRETING RESULTS. IF ADJUSTMENTS ARE MADE TO LIGHTING SYSTEM, RETEST TO DEMONSTRATE COMPLIANCE WITH STANDARDS.

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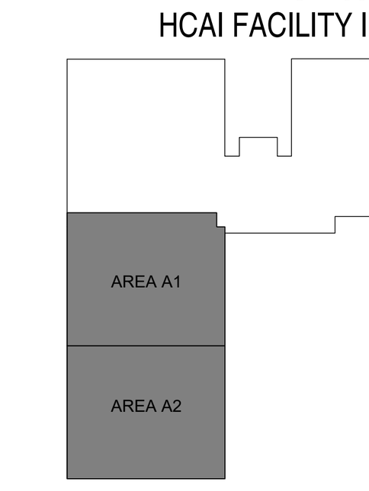

KEYPLAN

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
APPROVED
Department of Health Care Access and Information
Office of Statewide Hospital Planning and Development
4/9/2025, 1:09:36 PM
S240593-27-00
Russell Rocker

HCAI APPROVAL

REGISTERED PROFESSIONAL ENGINEER
ROMAN PERKIS
No. E 19560
Exp. 6-30-25
ELECTRICAL
STATE OF CALIFORNIA
04/23/24

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 3707-016-00

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✱ READ THE SPECIFICATIONS !

READ THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. IN CASE OR CONFLICT BETWEEN SPECIFICATIONS AND DRAWINGS THE MORE RESTRICTIVE REQUIREMENTS SHALL TAKE PRECEDENCE.

ELECTRICAL SPECIFICATIONS - PART 2

DATE: APRIL 16, 2024

CONSTRUCTION DOCUMENTS

E502

CONSTRUCTION DOCUMENT