

NURSES STATION

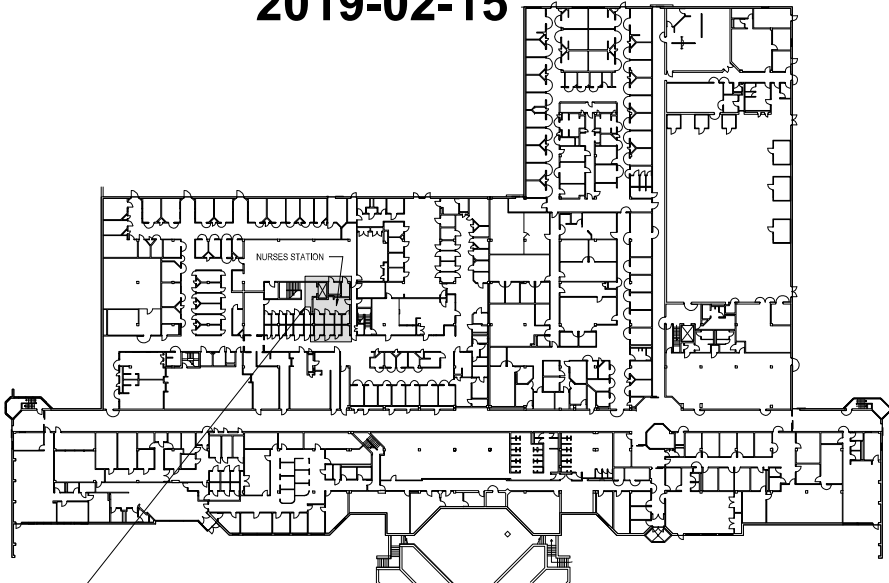
RENOVATION @ NURSES STATION - SANTA RITA JAIL

5325 BRODER BLVD

DUBLIN, CA 94568

100% CONSTRUCTION DOCUMENTS

2019-02-15



PROJECT LOCATION



AREA OF WORK

PROJECT ADDRESS:
5325 BRODER BLVD
DUBLIN, CA 94568

PROJECT TEAM

CLIENT	ALAMEDA COUNTY GSA 1401 LAKESIDE DRIVE, SUITE 800 OAKLAND, CA 94612	DANA TRAN 510.208.9582 DANA.TRAN@ACGOV.ORG
ARCHITECT	DLR GROUP 1020 20TH STREET SUITE 250 SACRAMENTO, CA 95814	IVY GLASGOW, DARRELL STELLING & PAUL KONA LEWIS 916.446.0266 IGLASGOW@DLRGROUP.COM PLEWIS@DLRGROUP.COM
MECHANICAL/PLUMBING/ELECTRICAL	YEI ENGINEERS 17677 OAKPORT STREET, SUITE 200 SUITE 200, OAKLAND, CA 94621	GEORGE CHEUNG, BRYAN HAYES & ANTONIOS KHALIL 510.383.1050 GCHEUNG@YEIENGINEERS.COM BHAYES@YEIENGINEERS.COM AKHALIL@YEIENGINEERS.COM
LOW VOLTAGE	GUIDEPOST SOLUTIONS 9521 FOLSOM BLVD R-1, SUITE G SACRAMENTO, CA 95827	RAY KOLODZIECZAK 510.301.5837 RKOLODZIECZAK@GUIDEPOSTSOLUTIONS.COM

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PROJECT INFORMATION

OVERALL PROJECT SCOPE OF WORK:	NEW NURSE'S STATION FOR SHERIFFS USE. DEDICATED AREA FOR NURSES TO PERFORM PROTECTED SERVICES TO INMATES.
ADDITIONAL WORK INCLUDED:	LOW VOLTAGE ELECTRICAL WORK FOR NURSE CALL STATIONS, INTERCOMS AND RELATED DESIGN
SITE/ UTILITIES SCOPE:	NONE
PROJECT SIZE:	APPROXIMATELY 553 SF BUILDING AREA
CONSTRUCTION TYPE:	I-A
OCCUPANCY TYPE:	B-OFFICE, I-3 DETENTION
FULLY SPRINKLERED	YES
NUMBER OF STORIES:	1 OF 2
GOVERNING BUILDING CODES:	2016 CALIFORNIA BUILDING CODE (TITLE 24) 2016 CALIFORNIA ENERGY CODE 2016 CALIFORNIA FIRE CODE 2016 CALIFORNIA GREEN BUILDING STANDARDS CODE 2016 CALIFORNIA ELECTRICAL CODE 2016 CALIFORNIA MECHANICAL CODE 2016 CALIFORNIA PLUMBING CODE APPLICABLE ORDINANCES AND AMENDMENTS CALIFORNIA TITLE 25

SCOPE

WORK NOT IN CONTRACT - EXCLUDED, PROVIDED BY COUNTY OR OTHERS

- WORK OUTSIDE PERIMETER OF THE NURSE STATION AND ADJACENT ROOMS
- SUITABLE AND ACCEPTABLE ACCESS TO THE SITE TO BE PROVIDED BY THE COUNTY
- SURVEY OF SITE INCLUDING UNDERGROUND UTILITIES
- COUNTY WILL SELF CERTIFY FOR CODES AND REGULATIONS
- COUNTY IS OBTAINING AND PAYING FOR ALL NECESSARY PERMITS, FEES, LICENSES AND CERTIFICATE OF OCCUPANCY WITH THE EXCEPTION OF TRANSPORTATION

DESIGN PERFORMANCE CRITERIA

- CONFIGURATION AND LAYOUT SHOWN ARE BASIS OF DESIGN. DRAWINGS FOR NURSE AREA, PRIVATE HOLDING AND NURSE DRAW ROOMS SHOWN ARE INTENDED QUANTITIES, USE AND LAYOUT.
- COORDINATE LOCATIONS AND SHUT-OFFS FOR UTILITY CONNECTIONS WITH COUNTY IF REQUIRED.

BASIS OF DESIGN CRITERIA

REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION:

STRUCTURAL FRAME CONSTRUCTION:

CMU BLOCK WALL (EXISTING & NEW)

FLOOR CONSTRUCTION:

(EXISTING)

EXTERIOR WALL CONSTRUCTION:

NA

INTERIOR WALL CONSTRUCTION:

CMU BLOCK WALL (EXISTING & NEW)

CEILING CONSTRUCTION:

(EXISTING) 1"X1" ACUSTICAL CEILING TILES ADHERED TO SUSPENDED GYPSUM CEILING

NURSE/INMATE DRAW WINDOWS:

DETENTION WINDOWS AND FRAME W/ SPEAK-THRU AND LATCHING PORT

PLUMBING:

COPPER SUPPLY, ABS DRAIN, WASTE AND VENT COUNTER-HUNG LAVATORY

HVAC:

SEE FAN COIL UNIT SCHEDULE

FIRE SPRINKLER SYSTEM:

MODIFY (E) FIRE SPRINKLER SYSTEM TO MEET I-3 OCCUPANCY AND HCD REQUIREMENTS AND DESIGN. DEFERRED DESIGN

FIRE ALARM SYSTEM:

MODIFY (E) FIRE ALARM SYSTEM WHICH MEETS I-3 OCCUPANCY AND HCD REQUIREMENTS

Revisions	Date	By
100% CDS	02/25/2019	PKL



General Services Agency
of
Alameda County
Technical Services Department
1401 Lakeside Drive
Oakland, CA 94612
(510) 208-9551
(510) 208-3995 Fax

CONSULTANTS:



DATE: 02-15-2019

ALAMEDA COUNTY SANTA RITA JAIL

NURSE'S STATION UPGRADE

5325 BRODER BLVD.
DUBLIN, CALIFORNIA

PROJECT TITLE

COVER SHEET

Floor Number:	1
Date:	FEBRUARY 15, 2019
Scale:	
Drawn:	PKL
Checked:	IG
Building:	SANTA RITA JAIL
Job:	75-17108-45
Sheet:	

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Revisions	Date	By
100% CD'S	02/25/2019	PKL



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CONSULANTS


$$A \models M \vee A \models \neg(A)$$
ALAMEDA COUNTY
SANTA RITA JAIL

NURSE'S STATION UPGRADE

5325 BRODER BLVD.
DUBLIN, CALIFORNIA

$$\text{CONV}(\text{IN}(x)) = \text{III} =$$

SYMBOLS AND ABBREVIATIONS

Floor Number: **1**

Date: FEBRUARY 15, 2019

Scale:

Drawn: PKL

Среднее:

Building: SANTA RITA JAIL

Job: 75-17108-45

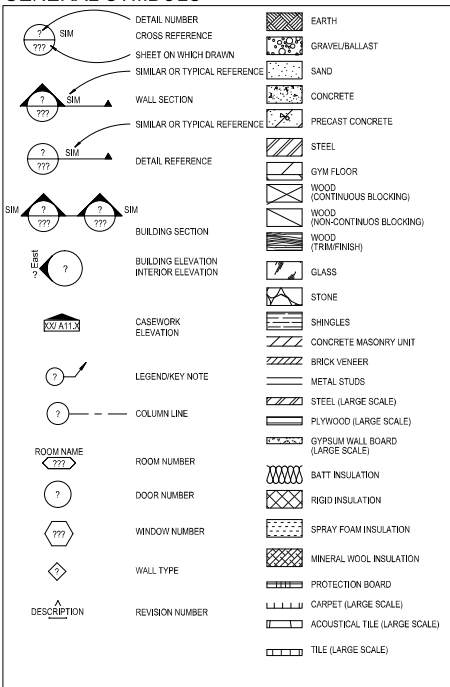
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ABBREVIATIONS

[illegible]

GENERAL SYMBOLS



GENERAL NOTES

- GENERAL NOTES APPLY TO ALL DRAWINGS
1. ALL DIMENSIONS ARE ACTUAL AND ARE TO FACE OF METAL STUDS, FACE OF MASONRY OR CENTERLINE OF COLUMN, UNLESS NOTED OTHERWISE.
2. GENERAL CONTRACTOR SHALL FURNISH AND INSTALL 2" X 10" CONTINUOUS JOIST BLOCKING IN STUD PARTITIONS FOR ANCHORAGE OF WALL ATTACHED ITEMS, INCLUDING BUT NOT LIMITED TO: THE FOLLOWING: GRAB BARS, VANITY UNITS, ACCESSORIES, STRUCTURAL PARTS, WALL MOUNTED FIXTURES, MARKER BORDERS, TACK BORDERS.
3. GENERAL CONTRACTOR SHALL COORDINATE ALL MECHANICAL CHASE SIZES WITH MECHANICAL SUBCONTRACTOR.
4. WALL OPENINGS FOR FIRE DAMPERS SHALL BE FRAMED PER THE FIRE DAMPERS HIGH CONCRETE/ROCK CONCRETE JOISTS.
5. GENERAL CONTRACTOR SHALL COORDINATE SIZES AND LOCATIONS OF ALL MECHANICAL CHASES/OPENINGS WITH THE MECHANICAL AND ELECTRICAL EQUIPMENT SUPPLIERS.
6. LOCATE CONTROL JOINTS (CJ) AND CONTROL JOINTS ABOVE CEILING UNLESS SHOWN ON THE DRAWINGS. SEE DETAILS 30.01.2 AND STRUCTURAL DRAWINGS. ISOLATE GYP BOARD SURFACE SIZES WITH CONTROL JOINTS WHERE:
A. ISOLATE A STRUCTURAL JOINT.
B. DISMISSAL WALL OR PARTITION OR OTHER VERTICAL PENETRATION.
C. CEILING JOINTS CHANGES WITHIN PLANES OF THE CEILING.
D. CEILING JOINTS EXCEEDS 30 LINEAL FEET.
E. CONTROL JOINTS OCCUR IN BUILDING ELEMENTS OF THE STRUCTURE.
7. PARTITION OR ELEMENTS OF THE STRUCTURE EXCEEDING 30 L.F.
8. ELECTRICAL PLANS INDICATE THE GENERAL DESIGN AND ARRANGEMENT OF PIPES, CONDUIT, WIRING, EQUIPMENT SYSTEMS, ETC. INFORMATION SHOWN IS DIAGRAMMATIC IN NATURE. CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN EVERY REQUIRED OFFSET, FITTING AND EXISTING CONDITION. LOCATION OF THESE ITEMS MAY BE ADJUSTED TO ACCOMMODATE THE SATISFACTORY COMBINE WITH ALL OTHER REQUIREMENTS (SEE NOTES 14 AND 18).
9. SEE PLAN FOR FIRE EXTINGUISHER (FE) AND FIRE EXTINGUISHER CABINET (FEC) LOCATIONS.
10. SEE SHEET C-01 FOR LOCATIONS OF FIRE RATED WALLS WHERE APPLICABLE.
11. ALL WALL PENETRATIONS AT RATED WALL LOCATIONS REQUIRED FOR PIPES, CONDUIT, DUCTING ETC. SHALL BE SEALS TO STOP PASSAGE OF AIR AND FIRE. SEE SHEET C-01 FOR FIRE RATED AND APPROVED FIRESTOPPING SEALANT PER SPECIFICATIONS.
12. THE GENERAL CONTRACTOR SHALL COORDINATE OUT-LOTS FOR ALL MILLWORK, OR OTHER EQUIPMENT AS REQUIRED.
13. ALL ASPECTS OF THE WORK AND ITEMS NOT SPECIFICALLY MENTIONED, BUT WHICH ARE NECESSARY TO MAKE A COMPLETE WORKING DRAWING, SHALL BE INCLUDED AND INDICATED IN THE CONTRACTORS BID.
14. NO ASBESTOS OR PCB CONTAINING MATERIALS BE USED ON THIS PROJECT.
15. THE GENERAL CONTRACTOR AND SUBCONTRACTORS ARE RESPONSIBLE FOR PROPER REMOVAL AND DISPOSAL OF ALL DEBRIS GENERATED BY CONSTRUCTION OF THIS PROJECT. THE REMOVAL AND DISPOSAL OF ALL CONSTRUCTION DEBRIS SHALL BE IN FULL COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. THE PREMISES SHALL BE KEPT CLEAN AND FREE FROM ALL WASTE MATERIALS.
16. GENERAL CONTRACTOR SHALL PROTECT NEW CONSTRUCTION FROM DAMAGE BY ALL TRUCKS, ALL SUCH DAMAGE CAUSED BY THE CONTRACTOR DURING THE COURSE OF THIS WORK SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.
17. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL DIMENSIONS AND FIELD CONDITIONS PRIOR TO ORDERING OR INSTALLING MATERIALS OR EQUIPMENT.
18. ALL PIPING AND CONDUITS SHALL BE CONCEALED WITH WALLS, UNDER FLOOR, ABOVE CEILING OR IN ARCHITECT APPROVED UTILITY SPACES IN ALL CASES UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS. EXPOSED ITEMS MUST BE LOCATED IN AREAS APPROVED BY THE ARCHITECT. EXPOSED ITEMS SHALL BE INSTALLED TO PROVIDE MINIMAL VISUAL IMPACT. ALL EXPOSED ITEMS ARE TO BE PAINTED TO MATCH THE ADJACENT SURFACES UNLESS SCHEDULED FOR AN ADJACENT COLOR.
19. FLOOR STOP ELEVATIONS ARE SHOWN UNTIL 0'-0"
20. ARCHITECTURAL FINISH FLOOR ELEVATIONS 0'-0" EQUALS ACTUAL SITE REFERENCE OF FINISH FLOOR.
21. SCRIE GYP/STUCCO BOARD OF WALLS AND PARTITIONS TO IRREGULARITIES OF STRUCTURE AND ROOF DECK ABOVE.
22. PROVISIONS SHALL BE MADE AT FULL HEIGHT NOW-BETWEEN TOP OF WALL AND BOTTOM OF CEILING OF THE BUILDING STRUCTURE WITHOUT TRANSFER OF COMPRESSIVE LOADS TO WALL. FILL IRREGULARITIES BETWEEN TOP OF WALL AND ROOF DECK ABOVE WITH FIRE RATING INSULATION OR WALL STOPPING MATERIALS AS REQUIRED TO MEET RATED WALL REQUIREMENTS. WALLS, FILL AT SMOKE PARTITIONS WITH MATERIALS CAPABLE OF RESISTING THE PASSAGE OF SMOKE. SEE DETAILS ON CODE RATING RATED SHEETS.
23. AREAS ACCESSIBLE TO INMATES ARE THE INMATE SIDE OF THE DRAB, PATIO AND COMMON CORRIDOR.

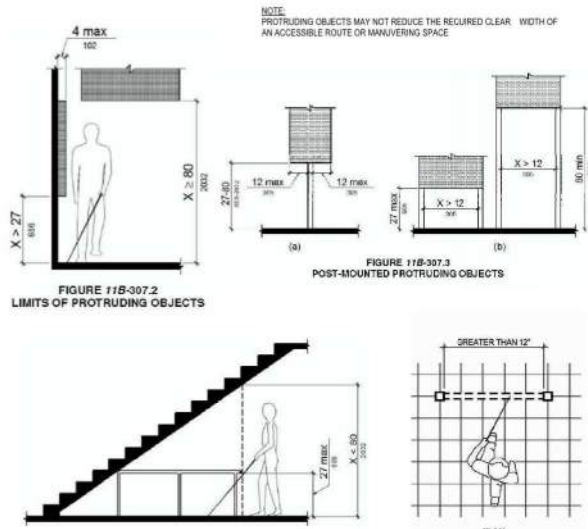


FIGURE 11B-307.2
LIMITS OF PROTRUDING OBJECTS

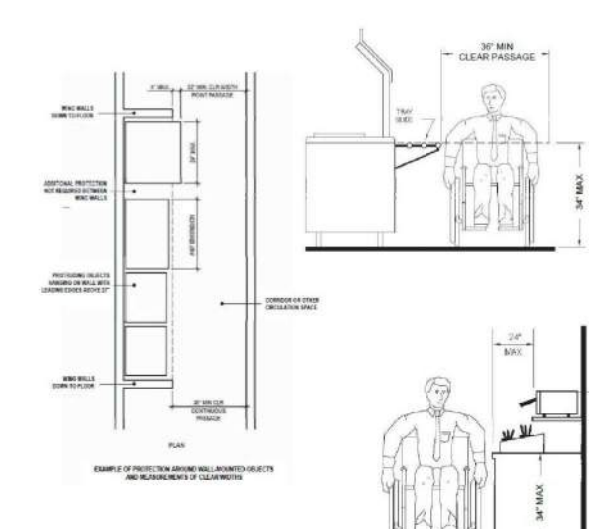


FIGURE 11B-404.2.1
DETAILS FOR OBSTRUCTIONS

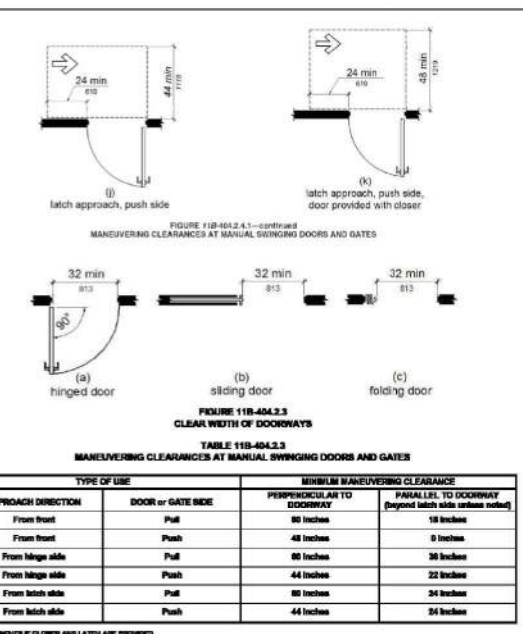


FIGURE 11B-404.2.3
CLEAR WIDTH OF DOORWAYS

TABLE 11B-404.2.3
MINIMUM MANEUVERING CLEARANCE

TYPE OF USE	DOOR OR GATE SIDE	PERPENDICULAR TO DOORWAY	PARALLEL TO DOORWAY (beyond latch side unless noted)
From front	Push	60 inches	18 inches
From front	Push	48 inches	9 inches
From hinge side	Push	60 inches	36 inches
From hinge side	Push	44 inches	22 inches
From latch side	Push	60 inches	34 inches
From latch side	Push	44 inches	24 inches

1. ADD 6 INCHES IF GLASS AND LATCH ARE PROVIDED.
2. ADD 6 INCHES IF GLASS AND LATCH ARE PROVIDED.
3. WITHOUT LATCH SIDE.
4. ADD 6 INCHES IF GLASS IS PROVIDED.
5. ADD 6 INCHES IF GLASS IS PROVIDED.

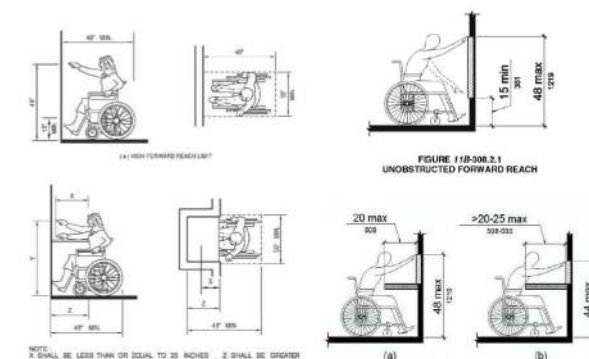


FIGURE 11B-308.2.1
UNOBSTRUCTED FORWARD REACH

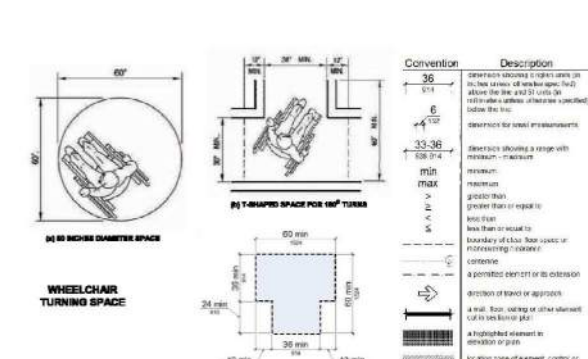


FIGURE 11B-308.2.2
OBSTRUCTED HIGH FORWARD REACH

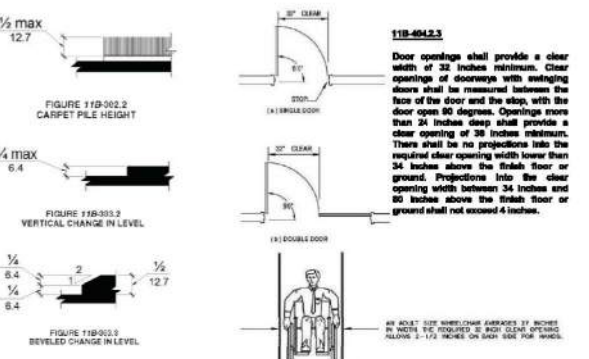


FIGURE 11B-308.3.1
UNOBSTRUCTED SIDE REACH

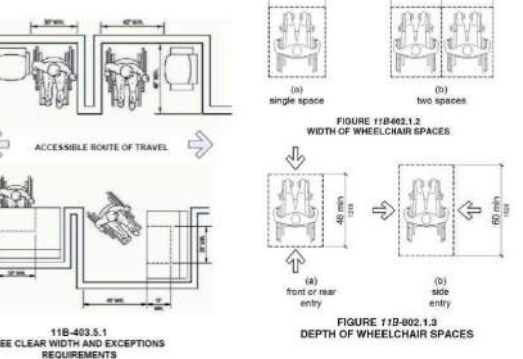


FIGURE 11B-402.1.2
WIDTH OF WHEELCHAIR SPACES

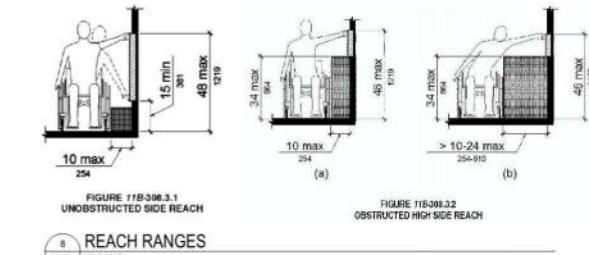


FIGURE 11B-308.3.2
OBSTRUCTED HIGH SIDE REACH

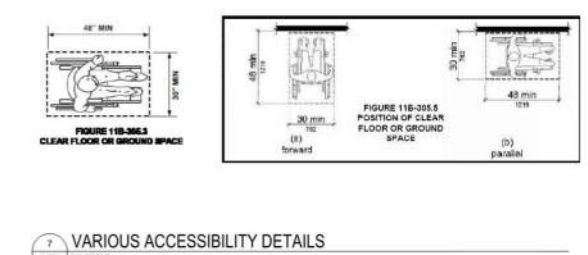


FIGURE 11B-308.3.3
UNOBSTRUCTED SIDE REACH

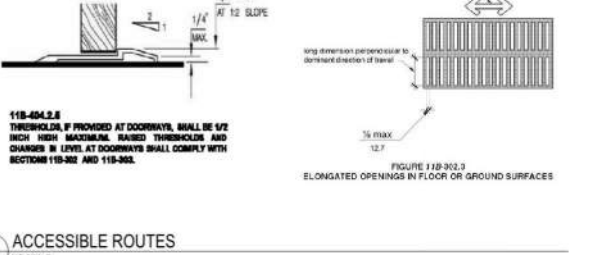


FIGURE 11B-308.3.4
OBSTRUCTED HIGH SIDE REACH

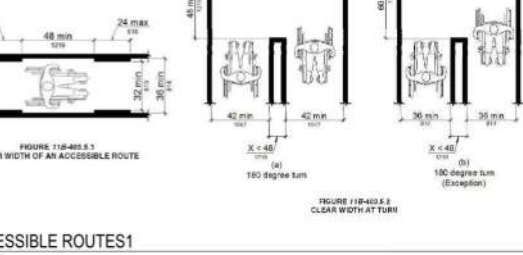


FIGURE 11B-402.1.3
DEPTH OF WHEELCHAIR SPACES

TABLE 11B-703.3.1
BRAILLE DIMENSIONS

MEASUREMENT RANGE	MINIMUM IN INCHES	MAXIMUM IN INCHES
Dot base diameter	0.059	0.063
Distance between two dots in the same cell	0.100	
Distance between corresponding dots in adjacent cells	0.300	
Dot height	0.025	0.037
Distance between corresponding dots from one cell directly below	0.395	0.400

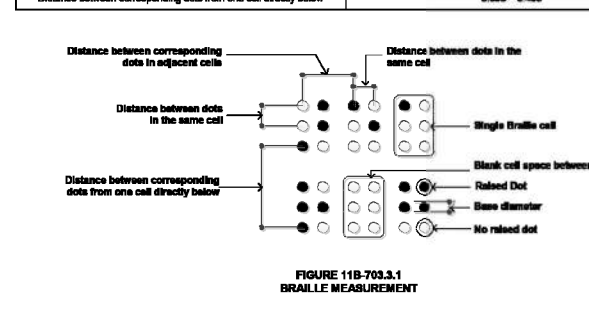


FIGURE 11B-703.3.1
BRAILLE MEASUREMENT

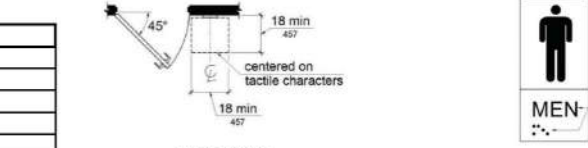


FIGURE 11B-703.4.2
LOCATION OF TACTILE SIGNS AT DOORS

TABLE 11B-703.5
VISUAL CHARACTER HEIGHT

HEIGHT TO FINISH FLOOR OR GROUND FROM BASELINE OF CHARACTER	HORIZONTAL VIEWING DISTANCE	MINIMUM CHARACTER HEIGHT
40 inches (1016 mm) to less than or equal to 70 inches (1778 mm)	less than 72 inches (1829 mm)	$\frac{1}{4}$ inch (3.2 mm)
Greater than 70 inches (1778 mm) to less than or equal to 120 inches (3048 mm)	less than 180 inches (4572 mm)	2 inches (51 mm)
180 inches (4572 mm) and greater	less than 21 feet (6401 mm)	2 inches (51 mm), plus $\frac{1}{4}$ inch (3.2 mm) per foot (305 mm) of viewing distance above 180 inches (4572 mm)
greater than 120 inches (3048 mm)	21 feet (6401 mm) and greater	3 inches (76 mm), plus $\frac{1}{4}$ inch (3.2 mm) per foot (305 mm) of viewing distance above 21 feet (6401 mm)

FIGURE 11B-703.5
VISUAL CHARACTER HT



FIGURE 11B-703.6.1
PICTOGRAM FIELD



FIGURE 11B-703.2.5
HEIGHT OF RAISED CHARACTERS



FIGURE 11B-404.2.3
CLEAR WIDTH OF AN ACCESSIBLE ROUTE

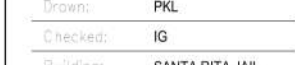
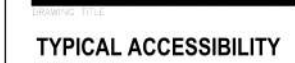
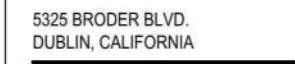
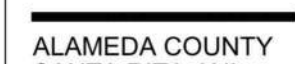


FIGURE 11B-404.2.3
CLEAR WIDTH AT TURN

Revisions	Date	By



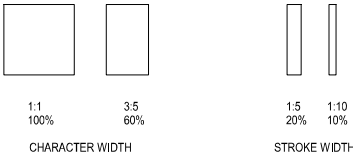
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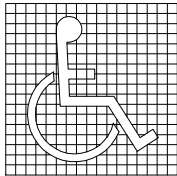
ALL LETTERS MEASURED MUST BE UPPERCASE. AFTER CHOOSING A TYPESTYLE TO TEST, BEGIN BY PRINTING THE LETTER "I," "X," AND "O" AT 1 INCH HIGH. PLACE THE TEMPLATES 1:1 SQUARE OVER THE "X" OR "O," WHICHEVER IS NARROWER. IF THE CHARACTER IS NOT WIDER THAN 1 INCH, NOT NARROWER THAN 3:5 RECTANGLE, THE PROPORTIONS ARE CORRECT. USE THE 1:5 RECTANGLE TO DETERMINE IF THE STROKE OF THE "I" IS TOO BROAD, AND THE 1:10 RECTANGLE TO SEE IF IT IS TOO NARROW. IF ALL THE TESTS ARE PASSED, THE TYPE STYLE IS COMPLIANT WITH PROPORTION CODE.

CHARACTERS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "I".

TEMPLATE FOR CHECKING CHARACTER AND STROKE WIDTH TO HIGH PROPORTIONS:



14 CHARACTER PROPORTIONS
SCALE: 3" = 1'-0"

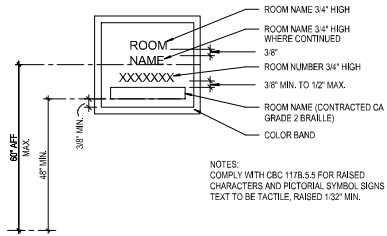


(a) SYMBOL PROPORTIONS



(b) DISPLAY CONDITIONS

THESE DIAGRAMS ILLUSTRATE THE SPECIFIC REQUIREMENTS OF THESE REGULATIONS & ARE INTENDED ONLY AS AN AID FOR BUILDING DESIGN & CONSTRUCTION
CBC FIGURE 11B-6 - INTERNATIONAL SYMBOL OF ACCESSIBILITY



16 ROOM SIGNAGE
SCALE: 3" = 1'-0"

15 INTERNATIONAL SYMBOL OF ACCESSIBILITY 'ISA'
SCALE: 3" = 1'-0"



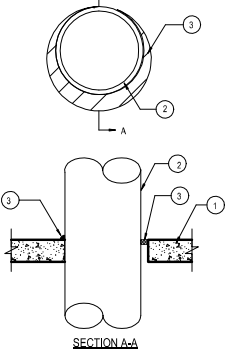
CHARACTER PROPORTIONS. STROKE PROPORTIONS.
WIDTH-TO-HEIGHT CHARACTER PROPORTIONS TEMPLATE.

BRAILLE: CALIFORNIA GRADE 2 BRAILLE SHALL BE USED WHEREVER BRAILLE IS REQUIRED IN OTHER PORTIONS OF THESE STANDARDS. DOTS SHALL BE 1/16 INCH (2.54mm) SPACE BETWEEN CELLS, MEASURED IN THE SECOND COLUMN OF DOTS IN THE FIRST CELL TO THE FIRST COLUMN OF DOTS IN SECOND CELL. DOTS SHALL BE RAISED MINIMUM OF 1/40 INCH (635mm) ABOVE BACKGROUND. 1117B.5.6

ROUNDED OR DOMED CALIFORNIA BRAILLE DOTS, EACH DISTINCT AND SEPARATE, DOTS WITH STRAIGHT SIDES AND FLAT TOPS ARE NOT ACCEPTABLE.

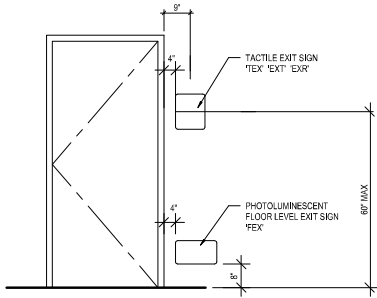
26 SIGNAGE TEMPLATES
SCALE: 3" = 1'-0"

- FLOOR OR WALL ASSEMBLY - MIN. 2 1/2" THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF) CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS*. MAX. DIA. OF OPENING IS 30 7/8". SEE CONCRETE BLOCKS (CB) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.
1A. STEEL FLOOR/WALL ASSEMBLY (NOT SHOWN) - AS AN ALTERNATE TO ITEM 1, THE FLOOR ASSEMBLY MAY CONSIST OF A FLUTED STEEL FLOOR UNIT (CONCRETE FLOOR ASSEMBLY). THE FLOOR ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL FLOOR/CEILING DESIGN IN THE FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
A. CONCRETE - MIN. 2 1/2" THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF) CONCRETE, AS MEASURED FROM THE TOP PLANE OF THE FLOOR UNITS.
B. STEEL FLOOR/WALL UNITS - COMPOSITE OR NON-COMPOSITE 1 1/2" TO 3" DEEP FLUTED GALV. STEEL UNITS AS SPECIFIED IN THE INDIVIDUAL FLOOR/CEILING DESIGN. MAX. DIA. OF OPENING IS 30 7/8".
2. LIGHT PIPE SYSTEM - ONE METALLIC PIPE OR CONDUIT TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPE OR CONDUIT AND THE PERIMETRY OF THE OPENING SHALL BE MIN. 8" POINT CONTACT TO MAX. 7/8". PIPE OR CONDUIT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES OR CONDUITS MAY BE USED:
A. STEEL PIPE - NOM. 3/4" DIA. (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
B. DUCTILE IRON PIPE - NOM. 3/4" DIA. (OR SMALLER) CAST OR DUCTILE IRON PIPE.
C. COPPER PIPE - NOM. 1/2" DIA. (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
D. COPPER TUBING - NOM. 1/2" DIA. (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.
E. CONDUIT - NOM. 1/2" DIA. (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING (EMT).
F. CONDUIT - NOM. 1/2" DIA. (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING (EMT).
3. FILL JOINTS CAVITY MATERIAL - SEALANT - MIN. 1/2" THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH TOP SURFACE OF FLOOR OR WITH BOTH SURFACES OF WALL AT THE POINT OF CONTACT BETWEEN PIPE AND CONCRETE. A MIN. 1/4" DIA. BEAD OF FILL MATERIAL SHALL BE APPLIED AT THE CONCRETE/PIPE INTERFACE ON THE TOP SURFACE OF FLOOR AND ON BOTH SURFACES OF WALL.
HILTI CONSTRUCTION CHEMICALS, DIV. OF HILTI INC., FS-ONE SEALANT
*BEARING THE UL CLASSIFICATION MARKING.



45 METAL PIPE THROUGH CONCRETE
SCALE: 1 1/2" = 1'-0"

36 TACTILE & FLOOR LEVEL EXIT SIGNS
SCALE: 1/2" = 1'-0"



- CHARACTER TYPE: CHARACTERS ON SIGNS SHALL BE RAISED 1/32 INCH (0.794 mm) MINIMUM AND SHALL BE SANS SERIF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE 2 BRAILLE. (SEE NOTE 5 BELOW)
- CHARACTER SIZE: RAISED CHARACTERS SHALL BE MINIMUM OF 5/8 INCH (15.9 mm) AND MAXIMUM OF 2 INCH (51mm) HEIGHT. 1117B.5.5.2
- FINISH AND CONTRAST: CONTRAST BETWEEN CHARACTERS, SYMBOLS AND THEIR BACKGROUND MUST BE 70% MINIMUM AND HAVE A NON-GLARE FINISH. 1117B.5.2
- PROPORTIONS: CHARACTERS ON SIGNS SHALL HAVE A WIDTH-TO-HEIGHT RATIO OF BETWEEN 3:5 AND 1:1 AND A STROKE WIDTH-TO-HEIGHT RATIO OF BETWEEN 1:5 AND 1:10
- BRAILLE: CALIFORNIA GRADE 2 BRAILLE SHALL BE USED WHERE EVER BRAILLE IS REQUIRED IN OTHER PORTIONS OF THESE STANDARDS. DOTS SHALL BE 1/16 INCH (2.54mm) ON CENTER ON EACH CELL WITH 2/10 INCH SPACE BETWEEN CELLS, MEASURED IN THE SECOND COLUMN OF DOTS IN THE FIRST CELL TO THE FIRST COLUMN OF DOTS IN SECOND CELL. DOTS SHALL BE RAISED MINIMUM OF 1/40 INCH (635 mm) ABOVE BACKGROUND.
- NOTE: SEE SHEET G-304 FOR TYPICAL MOUNTING HEIGHTS.
- ATTACH SIGN USING FLATHEAD COUNTERSUNK SCREW TO SOLID BACKING & ADHESIVE TO BACK.
- PLATE OF 1/8 INCH THICK PHOTO SENSITIZED ACRYLIC ETCHED TO FORM A SINGLE PLAQUE. SIGNS WILL BE (2) COLOR SIGN WITH LIGHT BACKGROUND & DARK CHARACTERS. COLORS TO BE DETERMINED BY ARCHITECT PRIOR TO INSTALLATION.
- ALL LOCATIONS OF SIGNAGE SHALL BE REVIEWED BY OWNER BEFORE INSTALLATION.

38 SIGNAGE KEYNOTES
SCALE: 3" = 1'-0"

Revisions	Date	By
100% CDS	02/25/2019	PKL



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CONTRACT NO.



ARCHITECT: GSA-PM-101

ALAMEDA COUNTY
SANTA RITA JAIL

NURSE'S STATION
UPGRADE

5325 BRODER BLVD.
DUBLIN, CALIFORNIA

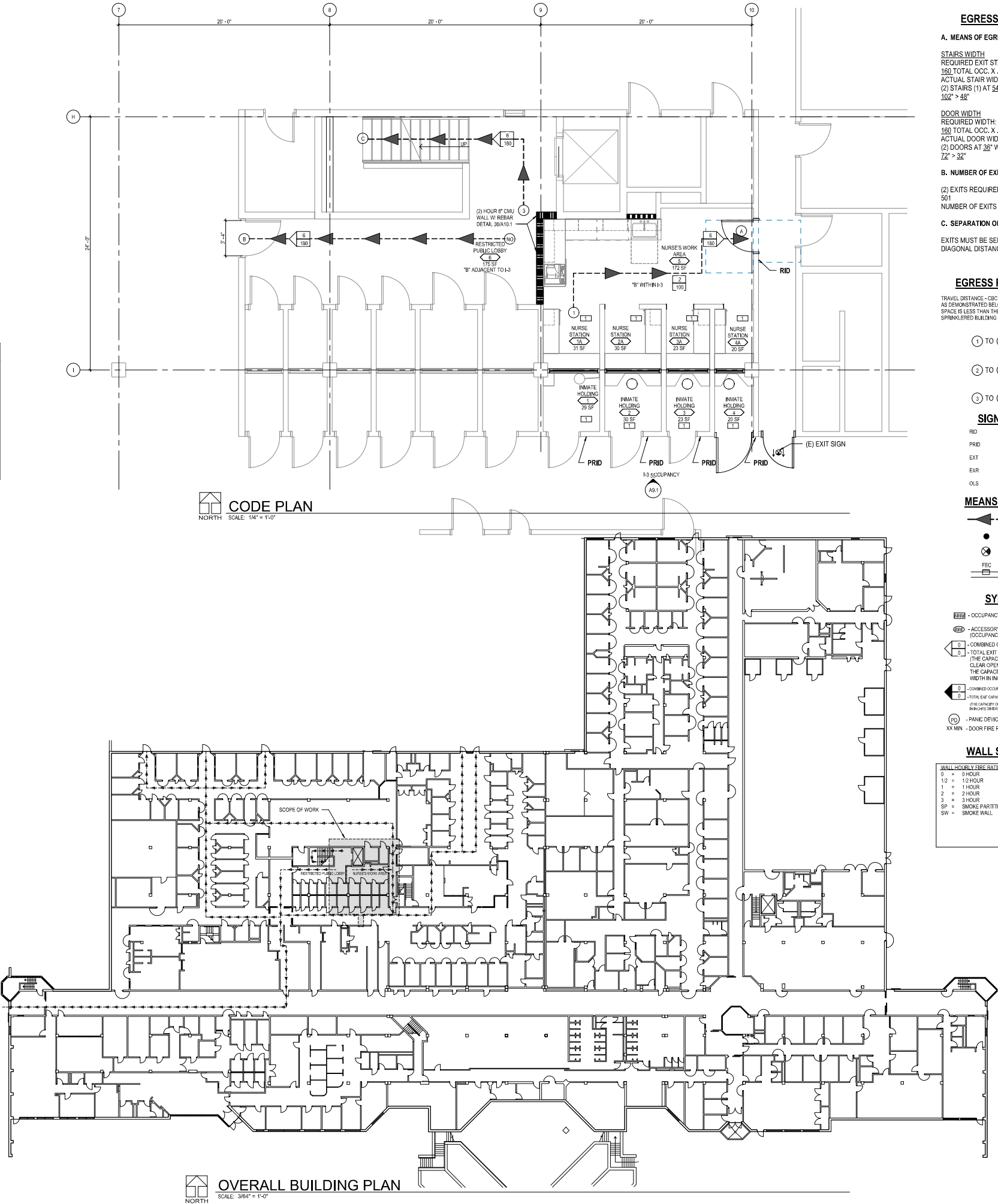
DRAWING: T-1

TYPICAL ACCESSIBILITY
SIGNAGE DETAILS

Floor Number:	1
Date:	FEBRUARY 15, 2019
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OCCUPANCY CALCULATIONS - FLOOR 1					
ROOM NAME	ROOM NUMBER	OCCUPANCY TYPE	AREA	OCC. LOAD FACTOR	CALCULATED OCC LOAD
OVERALL BUILDING PLAN					
INMATE HOLDING	1	SSOC APPROVED	29 SF	50	1
NURSE STATION	1A	OFFICE	31 SF	50	1
INMATE HOLDING	2	SSOC APPROVED	30 SF	50	1
NURSE STATION	2A	OFFICE	30 SF	50	1
INMATE HOLDING	3	SSOC APPROVED	23 SF	25	1
NURSE STATION	3A	OFFICE	23 SF	25	1
INMATE HOLDING	4	SSOC APPROVED	20 SF	25	1
NURSE STATION	4A	OFFICE	20 SF	25	1
NURSE'S WORK AREA	5	OFFICE	172 SF	100	2
RESTRICTED PUBLIC LOBBY	6	ASSEMBLY	175 SF	15	12
			553 SF		22



EGRESS PLAN CODE ANALYSIS

A. MEANS OF EGRESS SIZING - CBC 2016 SECTION 1005

STAIRS WIDTH
REQUIRED EXIT STAIR WIDTH:
160 TOTAL OCC. X .3 OCC. = 48" REQUIRED WIDTH
ACTUAL STAIR WIDTH:
(2) STAIRS (1) AT 54" and (1) AT 48" WIDE = 102" ACTUAL WIDTH
102" > 48"

DOOR WIDTH
REQUIRED WIDTH:
160 TOTAL OCC. X .2 OCC. = 32" REQUIRED WIDTH
ACTUAL DOOR WIDTH:
(2) DOORS AT 36" WIDE EACH = 72" ACTUAL WIDTH
72" > 32"

B. NUMBER OF EXITS - CBC 2016 SECTION 1015

(2) EXITS REQUIRED FOR SPACES WITH OCCUPANT LOAD BELOW 501
NUMBER OF EXITS PROVIDED = 1

C. SEPARATION OF EXITS - CBC 2013 SECTION 1015.2.1

EXITS MUST BE SEPARATED BY AT LEAST 1/3 OVERALL DIAGONAL DISTANCE IN THE SPACE

EGRESS PLAN TRAVEL DISTANCES

TRAVEL DISTANCE - CBC 2013 SECTION 1016
AS DEMONSTRATED BELOW, THE MOST REMOTE POINT IN THE SPACE IS LESS THAN THE MAXIMUM 300'-0" PERMITTED IN A FULLY SPRINKLERED BUILDING

① TO (A) = 22'-8"

② TO (B) = 24'-3"

③ TO (C) = 21'-9"

SIGNAGE LEGEND

RID ROOM IDENTIFICATION SIGN
PRID PAINTED ROOM IDENTIFICATION SIGN
EXT EXIT SIGN W/ BRAILLE
EXR EXIT SIGN W/ BRAILLE "EXIT ROUTE"
OLS OCCUPANT LOAD SIGN

MEANS OF EGRESS LEGEND

EXITING PATH OF TRAVEL
EXITING PATH OF TRAVEL DIRECTIONAL SPLIT POINT
EXIT SIGN
FEC FIRE EXTINGUISHER CABINET (FEC)

SYMBOL LEGEND

OC - OCCUPANCY LOAD
AU - ACCESSORY USE AREA
(OCCUPANCY LOAD IS NOT INCLUDED IN LOADS BEYOND THIS ROOM)
1 - COMBINED OCCUPANT LOAD AT A GIVEN DOOR OR STAIR
2 - TOTAL EXIT CAPACITY OF DOOR OR STAIR
(THE CAPACITY OF DOORS ARE DETERMINED AS FOLLOWS:
CLEAR OPENING WIDTH IN INCHES DIVIDED BY 0.2
THE CAPACITY OF STAIRS ARE DETERMINED AS FOLLOWS:
WIDTH IN INCHES DIVIDED BY 0.3)
3 - COMBINED OCCUPANT LOAD AT A GIVEN EXIT DOOR, STAIR OR THESE EQUALS TOTAL OCCUPANT LOAD
(THE CAPACITY OF DOORS ARE DETERMINED AS FOLLOWS: CLEAR OPENING WIDTH
IN INCHES DIVIDED BY 0.2)
4 - PANIC DEVICE
XX MIN - DOOR FIRE RATING

WALL SEPARATION LEGEND

WALL HOURLY FIRE RATING
0 = 0 HOUR
1/2 = 1/2 HOUR
1 = 1 HOUR
2 = 2 HOUR
3 = 3 HOUR
SP = SMOKE PARTITION
SW = SMOKE WALL
WALL FIRE RATING TYPE
C = CORRIDOR
EW = EXTERIOR WALL
FB = FIRE BARRIER
FP = FIRE PARTITION
FSB = FIRE SMOKE BARRIER
FW = FIRE WALL
HX = HORIZONTAL EXIT
SB = SMOKE BARRIER
VS = VERTICAL SHAFT
VX = VERTICAL EXIT
XP = EXIT PASSAGEWAY

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CONSULTANTS



DATE: 2-15-2019

ALAMEDA COUNTY SANTA RITA JAIL

NURSE'S STATION UPGRADE

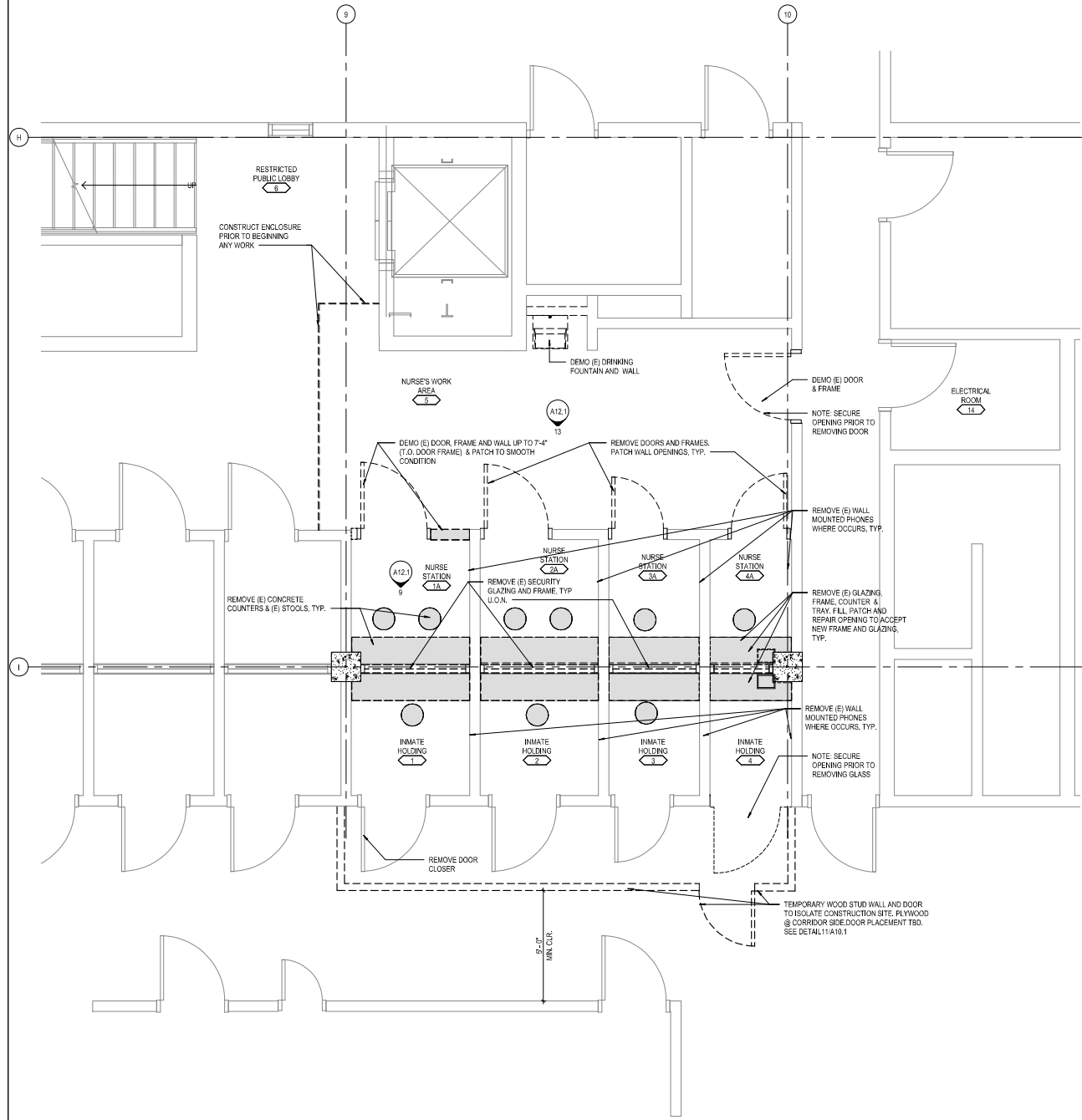
5325 BRODER BLVD.
DUBLIN, CALIFORNIA

PROJECT TITLE

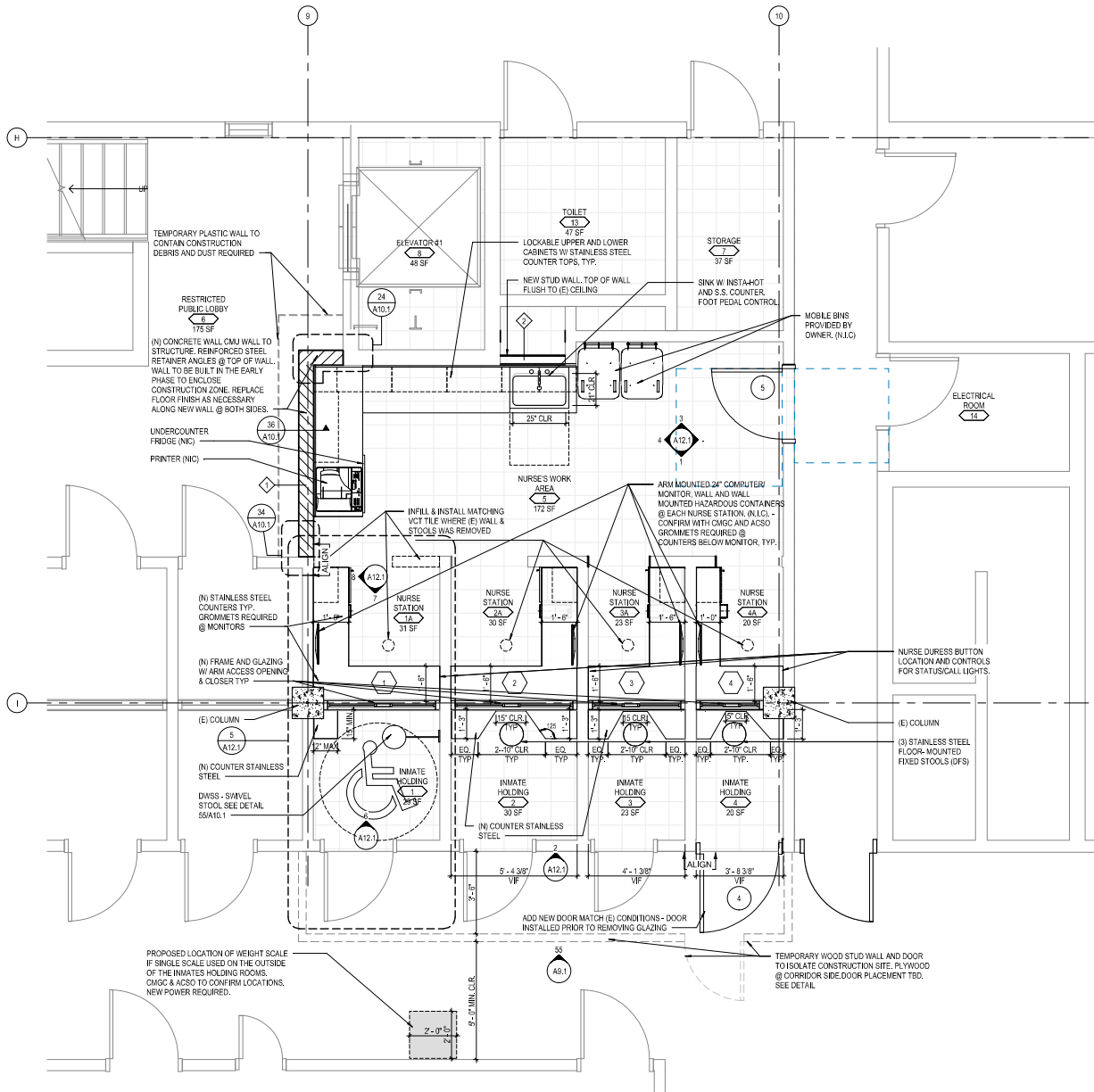
CODE PLAN

Floor Number:	1
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CP1.1



2
A1.1
DEMOLITION PLAN
SCALE: 3/8" = 1'-0"



1
A1.1
FLOOR PLAN, FIRST LEVEL - AREA A
SCALE: 3/8" = 1'-0"

DEMOLITION GENERAL NOTES

- DEMOLITION GENERAL NOTES APPLY TO ALL DEMOLITION SHEETS. ITEMS INDICATED ON DEMOLITION PLANS ARE BASED ON AS-BUILT DRAWINGS AND FIELD OBSERVATIONS. ITEMS ARE INTENDED TO GIVE THE BUILDER A GENERAL REPRESENTATION OF EXISTING CONDITIONS.
- REMOVE ALL ITEMS SHOWN FULL-TONE AND DASHED, OR NOTED ELSEWHERE IN THE DOCUMENTS TO BE REMOVED OR DEMOLISHED. DEMOLISH ADDITIONAL ITEMS NOT SHOWN ON DRAWINGS, BUT WHICH MUST BE REMOVED TO COMPLETE THE PROJECT.
- ITEMS SHOWN HALF-TONE ARE EXISTING TO REMAIN.
- RELOCATE ITEMS DENOTED "ER," SEE A3 SERIES SHEETS FOR NEW LOCATIONS. "ER" IS DEFINED AS EXISTING (TO BE) RELOCATED.
- COORDINATE DEMOLITION AND PHASING EFFORTS WITH ARCHITECT AND OWNER'S REPRESENTATIVES.
- COORDINATE DISRUPTION OF UTILITY SERVICES WITH OWNER AND AS SPECIFIED.
- NOT USED.
- MAINTAIN A SECURE AND WEATHER-TIGHT ENCLOSURE.
- VERIFY EXISTING CONDITIONS, DIMENSIONS, AND ELEVATIONS AND NOTIFY ARCHITECT OF DISCREPANCIES.
- REMOVE EXISTING WALLS, DOORS, MILLWORK, PLUMBING FIXTURES, CEILINGS, SOFFITS, MARKERBOARDS, ETC. IN THEIR ENTIRETY AND AS REQUIRED TO EXECUTE DEMOLITION AND CONSTRUCTION WORK DESCRIBED ON THE DRAWINGS.
- THE OWNER SHALL RESERVE THE RIGHT TO SALVAGE ANY MATERIALS.
- PROVIDE PROTECTION FOR EXISTING BUILDING MATERIALS AND EQUIPMENT FROM DAMAGE DUE TO DEMOLITION OR CONSTRUCTION-RELATED INCIDENT PERFORMED UNDER THIS CONTRACT.
- REPAIR OR REPLACE ITEMS DAMAGED AS A RESULT OF DEMOLITION OR CONSTRUCTION TO MATCH EXISTING FINISH AND/OR CONDITION.
- EXISTING MATERIALS SHALL NOT BE REUSED UNLESS NOTED OTHERWISE OR AS AUTHORIZED BY ARCHITECT.
- VERIFY AND MAINTAIN LOCATION OF EXISTING POWER, COMMUNICATION AND DATA CABLES TO PREVENT INTERRUPTION OF SERVICE.
- PATCH FLOOR, WALL AND CEILING PENETRATIONS RESULTING FROM REMOVAL OR REROUTING OF NEW OR EXISTING PIPING, DUCTWORK, CONDUIT, ETC. AS REQUIRED TO MAINTAIN FIRE SEPARATIONS. MATCH FINISH OF NEW OR EXISTING ADJACENT SURFACES.
- PATCH FLOOR, WALL AND CEILING PENETRATIONS RESULTING FROM REMOVAL OR REROUTING OF NEW OR EXISTING PIPING, DUCTWORK, CONDUIT, ETC. AS REQUIRED TO MAINTAIN FIRE SEPARATIONS. MATCH FINISH OF NEW OR EXISTING ADJACENT SURFACES.
- CAP DISCONNECTED MECHANICAL PIPING LINES WITHIN WALL OR FLOOR. PATCH AND FINISH AS REQUIRED TO MATCH NEW OR EXISTING ADJACENT SURFACES.
- SEE MECHANICAL AND ELECTRICAL DRAWINGS AND NOTES FOR FURTHER SEQUENCING AND SCOPE OF WORK.
- AVOID DISTURBING OF SOILS WITHIN ZONE OF INFLUENCE AROUND EXISTING FOOTINGS AND FLOOR SLABS AS DIRECTED BY GEOTECHNICAL ENGINEER.
- WHERE PLASTER/STUD WALLS ARE INDICATED TO BE REMOVED, PREPARE ADJACENT WALLS TO RECEIVE NEW PATCH/FINISH BY SAWCUTTING ADJACENT PLASTER FINISH A MINIMUM OF 12 INCHES BEYOND DEMOLITION.
- ALL CONTRACTORS PERFORMING WORK ON THIS PROJECT SHALL COMPLY WITH THE REQUIREMENTS OF 2013 CFC CHAPTER 11 & 31, AND MFC 241 FIRE PREVENTION PROGRAM THROUGHOUT ALL PHASES OF DEMOLITION AND CONSTRUCTION.
- ALL FIRE ACCESS AND FIRE SERVICE MUST BE MAINTAINED THROUGHOUT THE COURSE OF DEMOLITION AND CONSTRUCTION.

----- DEMO LINE TYPICAL

GENERAL NOTES

- GENERAL NOTES APPLY TO ALL SHEETS.
- DIMENSIONS ARE ACTUAL AND ARE TO FACE OF STUDS, FACE OF CONCRETE WALLS, FACE OF CMU WALLS, FACE OF FRAMES OR CENTERLINE OF COLUMNS, UNLESS NOTED OTHERWISE.
- FLOOR SPOT ELEVATIONS ARE SHOWN THUS 100'-0".
- INTERIOR CMU WALLS SHALL BE 8 INCH NOMINAL THICKNESS, UNLESS NOTED OTHERWISE.
- THE OWNER SHALL FURNISH AND INSTALL THE FOLLOWING: 1. ALL SECURITY RELATED CABLING. 2. FURNITURE.
- NOT USED.
- MASONRY WALLS AND INTERIOR STUD WALLS SHALL EXTEND TO UNDERSIDE OF FLOOR OR ROOF DECK ABOVE UNLESS NOTED OTHERWISE.
- PROVISIONS SHALL BE MADE AT FULL HEIGHT NONBEARING WALLS FOR 1-INCH VERTICAL MOVEMENT OF BUILDING STRUCTURE WITHOUT TRANSFER OF COMPRESSIVE LOADS TO WALL. FILL IRREGULARITIES BETWEEN TOP OF WALL AND DECK ABOVE WITH FIRE RATING INSULATION OR FIRE STOPPING MATERIALS AS REQUIRED TO MEET FIRE RATING OF RESPECTIVE WALLS.
- SEE CODE SHEET FOR LOCATION OF FIRE-RESISTANCE-RATED WALLS. WALLS OF FIRE-RESISTANCE-RATED CONSTRUCTION SHALL EXTEND TO UNDERSIDE OF FLOOR OR ROOF DECK ABOVE.
- SEAL PENETRATIONS THROUGH FIRE-RESISTANCE-RATED CONSTRUCTIONS WITH THROUGH- PENETRATION FIRESTOP MATERIAL AS REQUIRED TO ACHIEVE RESPECTIVE FIRE-RESISTIVE RATING AND SMOKE STOPPAGE.
- NONLOAD BEARING MASONRY WALLS SHALL BE BRACED WITH STEEL ANGLES.
- FURNISH AND INSTALL FIRE-RETARDANT-TREATED WOOD BLOCKING OR METAL BACKING PLATE IN STEEL STUD PARTITIONS FOR PROPER ANCHORAGE OF WALL ATTACHED ITEMS, I.E. TOILET ACCESSORIES, TOILET PARTITIONS, CASEWORK, MILLWORK, WALL-MOUNTED FIXTURES, MARKERBOARDS, TACKBOARDS, DOOR STOPS, AUDIO VISUAL BRACKETS, ETC.
- GYPSUM BOARD AND PLASTER SURFACES SHALL BE ISOLATED WITH CONTROL JOINTS WHERE INDICATED ON DRAWINGS AND/OR AS DESCRIBED IN THE SPECIFICATIONS.
- MASONRY CONTROL JOINTS (CJ) AND CONTROL JOINTS ABOVE (CA) SHALL BE LOCATED AS INDICATED ON FLOOR PLANS AND BUILDING ELEVATIONS, AND WHERE LARGE PLUMBING VENTS OR RISERS OCCUR IN SINGLE WYTHE MASONRY WALLS, AND WHERE MASONRY WALLS BEARING ON CONCRETE FLOOR SLABS ABUT MASONRY WALLS BEARING ON CONCRETE FOOTINGS OR AS INDICATED ON DRAWINGS.
- (E) PHONES WITHIN INMATE ROOMS AND NURSES STATIONS TO BE DETERMINED AS TO REMOVAL OR REPLACEMENT. MULTIPLE OPTIONS BEING PRESENTED AND ACTUAL DECISION HAS NOT YET BEEN DETERMINED.

Revisions	Date	By
100% CDS	02/25/2019	PKL



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CONSULTANTS:



DATE: 02-25-2019

ALAMEDA COUNTY
SANTA RITA JAIL

NURSE'S STATION
UPGRADE

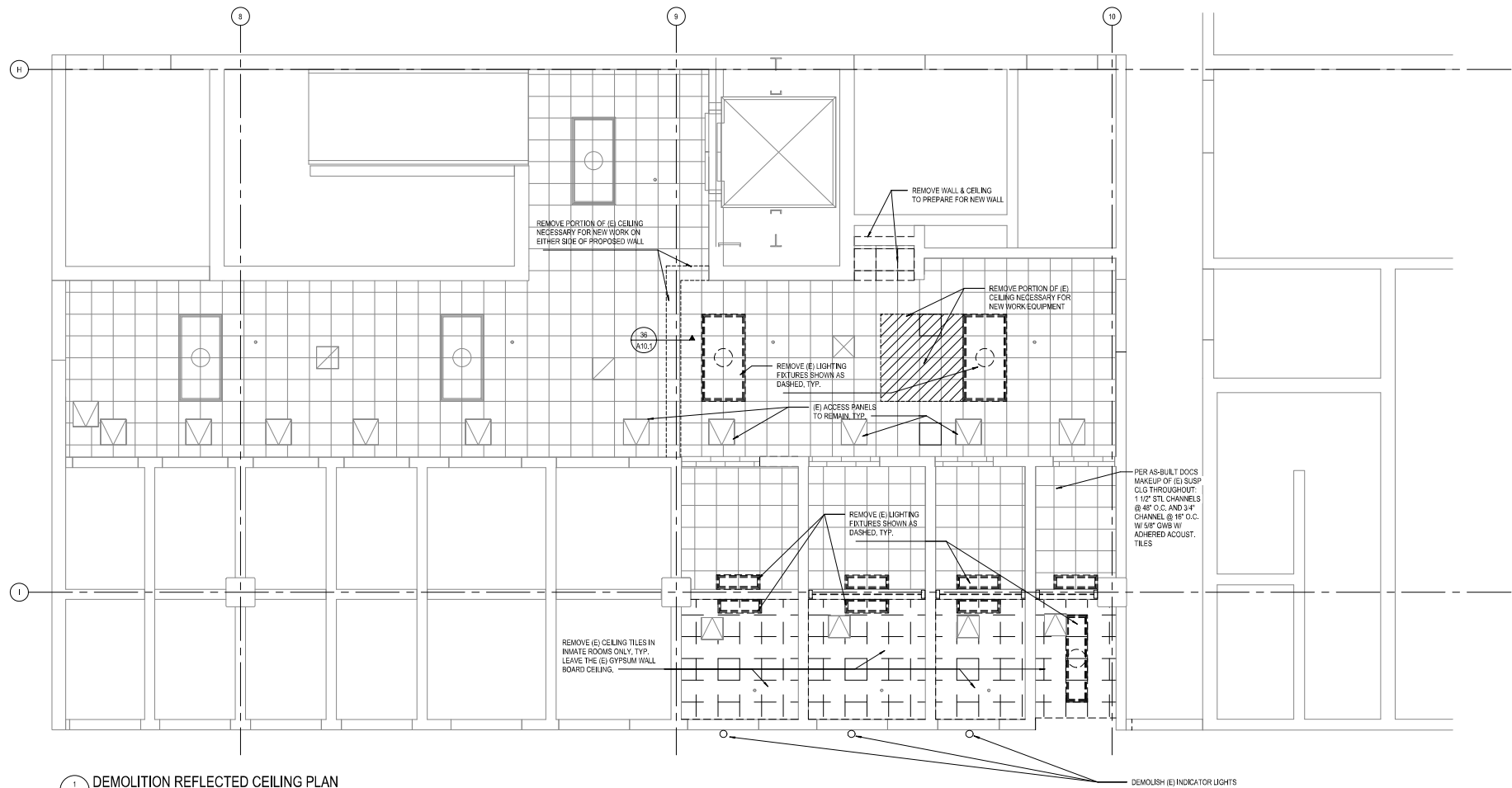
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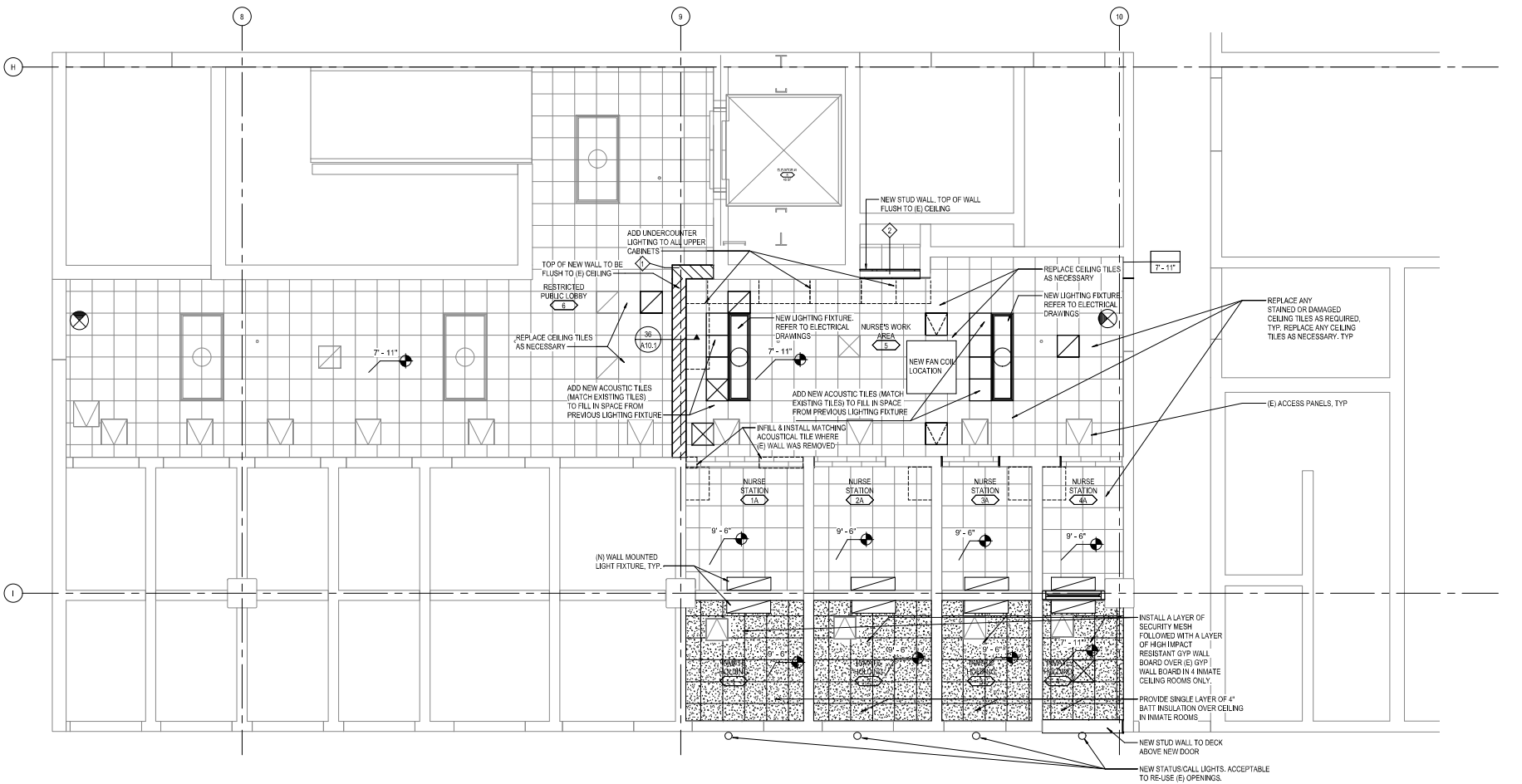
FLOOR PLAN &
DEMOLITION PLAN

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A1.1



1 DEMOLITION REFLECTED CEILING PLAN
A3.1 SCALE: 3/8" = 1'-0"



2 REFLECTED CEILING PLAN
A3.1 SCALE: 3/8" = 1'-0"

REFLECTED CEILING PLAN LEGEND

CEILING TYPES



ACP-1: 1' X 1' LAY-IN ACOUSTICAL CEILING TILE - EXISTING ATTACHED TO EXISTING GYP BOARD CEILING. REPLACE ANY STAINED OR DAMAGED CEILING TILES. MATCH (E).



GWB: GYPSUM BOARD CEILING



OPEN CEILING TO DECK

LIGHT FIXTURE TYPES

FOR ADDITIONAL INFORMATION REFER TO ELECTRICAL DRAWINGS



A - CEILING MOUNTED LIGHT FIXTURE 1' X 2'



B - WALL MOUNTED LIGHT FIXTURE 1' X 2'



EXIT SIGN

REFLECTED CEILING PLAN GENERAL NOTES:

- REFLECTED CEILING PLAN GENERAL NOTES APPLY TO ALL REFLECTED CEILING PLAN SHEETS.
- ALL CEILING GRIDS/PANELS SHALL BE CENTERED IN EACH ROOM UNLESS NOTED OTHERWISE.
- CEILING HEIGHTS ARE AS NOTED ON THE REFLECTED CEILING PLAN UNLESS NOTED OTHERWISE.
- ALL ELECTRICAL FIXTURES, SPEAKERS, SMOKE AND THERMAL DETECTORS, MECHANICAL GRILLES, SPRINKLER HEADS, ETC., SHALL BE CENTERED BETWEEN CEILING GRIDS UNLESS NOTED OTHERWISE. SPRINKLER HEADS SHALL BE WITHIN A 2' RADIUS CENTERED BETWEEN CEILING GRIDS.
- IN ACOUSTICAL CEILING PANELS WITH SCORE IN THE CENTER, CENTER DEVICES REFERENCED IN NOTED, IN ONE HALF OF THE TILE. DO NOT LOCATE ON THE SCORE. FOR APC WITH MULTIPLE SCORED PATTERNS, COORDINATE LOCATION WITH ARCHITECT.
- PROVIDE SUSPENSION SYSTEM AROUND ELECTRICAL FIXTURES, MECHANICAL GRILLES, DIFFUSERS, ETC. AT ACOUSTICAL PANEL CRINKLES.
- ALL DIMENSIONS ON REFLECTED CEILING PLANS ARE ACTUAL AND ARE TO THE FOLLOWING UNLESS NOTED OTHERWISE: 1. FACE OF FINISHED WALL 2. FACE OF FINISHED BULKHEADS 3. CENTERLINE OF COLUMNS 4. CENTERLINE OF TEES
- IN AREAS WITH EXPOSED STRUCTURE CEILINGS, COORDINATE EXACT LOCATIONS OF MECHANICAL GRILLES, DIFFUSERS, DUCTWORK, AND ELECTRICAL FIXTURES WITH EACH RESPECTIVE SUBCONTRACTOR.
- ALL WALLS EXTEND TO UNDERSIDE OF DECK EXCEPT THOSE SHOWN SHADDED IN WHICH GYPSUM BOARD OR MASONRY EXTENDS MIN. 4" ABOVE FINISHED CEILING. ALL METAL STUDS EXTEND TO UNDERSIDE OF STRUCTURE.
- (E) CAMERAS TO REMAIN. SEPARATE CAMERA PROJECT WILL MODIFY CAMERA PLACEMENT AND CONFIGURATION.

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DESIGNED BY:

ALAMEDA COUNTY SANTA RITA JAIL

NURSE'S STATION UPGRADE

5325 BRODER BLVD.
DUBLIN, CALIFORNIA

DESIGNED BY:

REFLECTED CEILING PLAN & DEMOLITION CEILING PLAN

Floor Number: 1

Date: FEBRUARY 15, 2019

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A3.1

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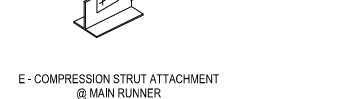
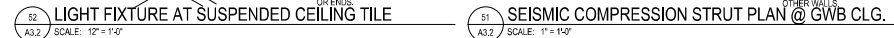
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www.yei-engineers.com

 **GUIDEPOST SOLUTIONS LLC**



THEY ARE THE

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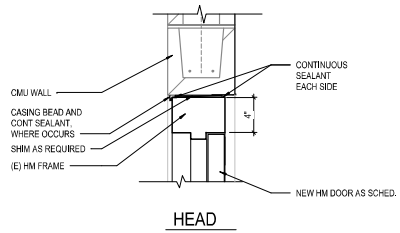
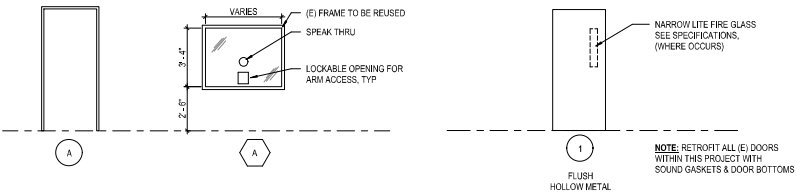


ROOM FINISH SCHEDULE								
ROOM		FLOOR FINISH	BASE FINISH	WALL				COMMENTS
NUMBER	NAME			NORTH	EAST	SOUTH	WEST	
1	INMATE HOLDING	VCT	-	HPC-1	HPC-1	HPC-1	HPC-1	MATCH EXISTING
1A	NURSE STATION	VCT	RB	HPC-1	HPC-1	HPC-1	HPC-1	MATCH EXISTING
2	INMATE HOLDING	VCT	-	HPC-1	HPC-1	HPC-1	HPC-1	MATCH EXISTING
2A	NURSE STATION	VCT	RB	HPC-1	HPC-1	HPC-1	HPC-1	MATCH EXISTING
3	INMATE HOLDING	VCT	-	HPC-1	HPC-1	HPC-1	HPC-1	MATCH EXISTING
3A	NURSE STATION	VCT	RB	HPC-1	HPC-1	HPC-1	HPC-1	MATCH EXISTING
4	INMATE HOLDING	VCT	-	HPC-1	HPC-1	HPC-1	HPC-1	MATCH EXISTING
4A	NURSE STATION	VCT	RB	HPC-1	HPC-1	HPC-1	HPC-1	MATCH EXISTING
5	NURSE'S WORK AREA	VCT	RB	HPC-1	HPC-1	HPC-1	HPC-1	MATCH EXISTING
6	RESTRICTED PUBLIC LOBBY	VCT	RB	HPC-1	HPC-1	HPC-1	HPC-1	MATCH EXISTING

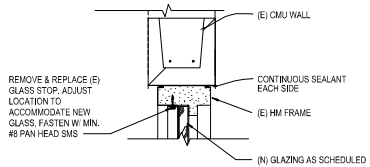
DOOR AND FRAME SCHEDULE														
NUMBER	NO. OF PANELS	DOOR PANEL				FRAME				DETAILS				COMMENTS
		WIDTH	HEIGHT	THICKNESS	MATERIAL	GLAZING	TYPE	MATERIAL	TYPE	FIRE RATING	HARDWARE SET	HEAD	JAMB	
4	1	3'-4"	7'-0"	2"	SHM	MATCH (E) NARROW LITE	1	SHM	A	-	MATCH (E)	36A8.1	46A8.1	NEW HM DETENTION DOOR- CUSTOM WIDTH FOR (E) OPENING. TO MATCH DOOR ON RM. 2 ADJACENT
5	1	3'-0"	7'-0"	1 3/4"	HM	90 MIN.	1	HM	A	90 MIN	SEE SPEC	25A8.1	46A8.1	NEW HM DOOR AND FRAME IN (E) OPENING

NOTE: RETROFIT ALL (E) DOORS WITHIN THIS PROJECT WITH SOUND GASKETS & AUTOMATIC DOOR BOTTOMS

SECURITY WINDOW SCHEDULE							
MARK	TYPE	FRAME		DETAILS			COMMENTS
		DEPTH	MATERIAL	HEAD	JAMB RIGHT	SILL	
1	A (E)	4"	HM	35A8.1	12A8.1	22A8.1	SECURITY WINDOW W/ LOCKABLE OPENING & SPEAK-THRU OPENING
2	A (E)	4"	HM	35A8.1	12A8.1	22A8.1	SECURITY WINDOW W/ LOCKABLE OPENING & SPEAK-THRU OPENING
3	A (E)	4"	HM	35A8.1	12A8.1	22A8.1	SECURITY WINDOW W/ LOCKABLE OPENING & SPEAK-THRU OPENING
4	A (E)	4"	HM	35A8.1	12A8.1	22A8.1	SECURITY WINDOW W/ LOCKABLE OPENING & SPEAK-THRU OPENING



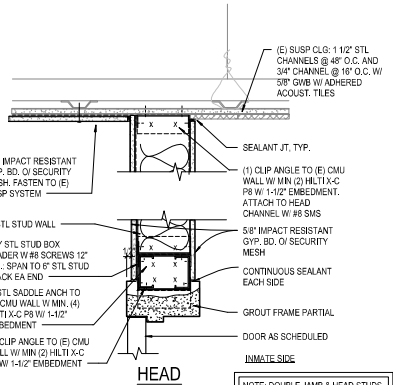
25 DOOR HEAD DETAIL @ CMU
SCALE: 1 1/2" = 1'-0"



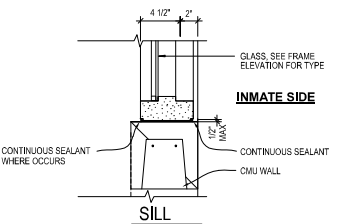
HEAD/JAMB

INMATE SIDE

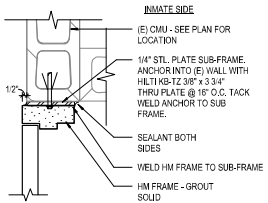
35 HM WINDOW FRAME DETAIL
SCALE: 1 1/2" = 1'-0"



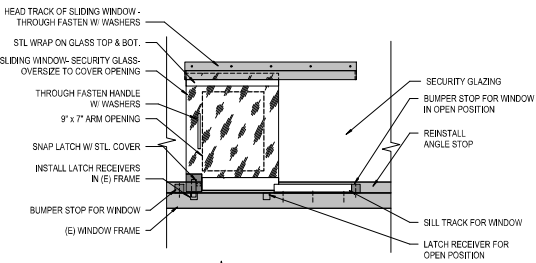
36 DOOR HEADER & WALL DETAIL
SCALE: 1 1/2" = 1'-0"



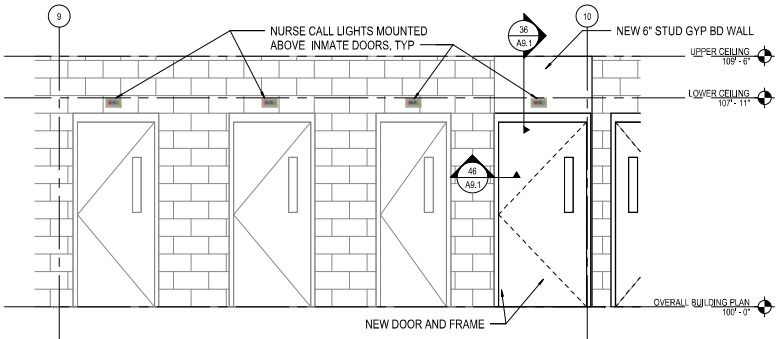
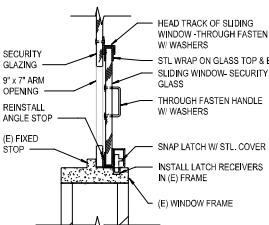
45 HM WINDOW SILL FRAME DETAIL
SCALE: 1 1/2" = 1'-0"



46 POST-INSTALLED SHM FRAME JAMB
SCALE: 1 1/2" = 1'-0"



53 SLIDE WINDOW DETAIL
SCALE: 1 1/2" = 1'-0"



55 INMATE ELEVATION - NURSE CALL LIGHTS
SCALE: 3/8\"/>

Revisions	Date	By
100% CDS	02/25/2019	PKL



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ARCHITECT

ALAMEDA COUNTY
SANTA RITA JAIL

NURSE'S STATION
UPGRADE

5325 BRODER BLVD.
DUBLIN, CALIFORNIA

1-540-861-1111

DOOR AND FRAME
SCHEDULE & FINISH PLAN

Room Number:	1
Date:	FEBRUARY 15, 2019
Scales:	
Drawn:	PKL
Checked:	IG
Building:	SANTA RITA JAIL
Job:	75-17108-45
Sheet:	

A9.1

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C O N T E N T S



A10.1 - 02-2019

ALAMEDA COUNTY SANTA RITA JAIL

NURSE'S STATION UPGRADE

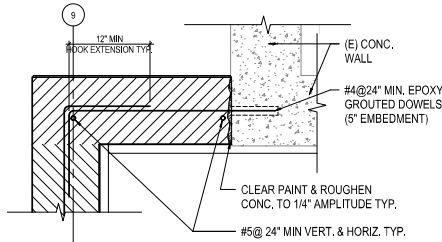
5325 BRODER BLVD.
DUBLIN, CALIFORNIA

1 - DRAWING TITLE

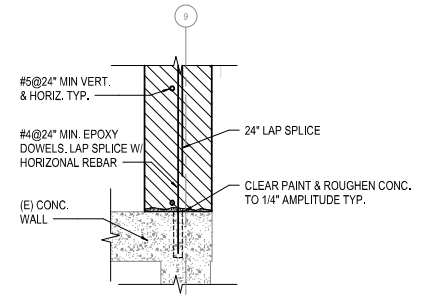
GENERAL DETAILS & WALL TYPES

Floor Number:	1
Date:	FEBRUARY 15, 2019
Scale:	
Drawn:	PKL
Checked:	IG
Building:	SANTA RITA JAIL
Job:	75-17108-45
Sheet:	

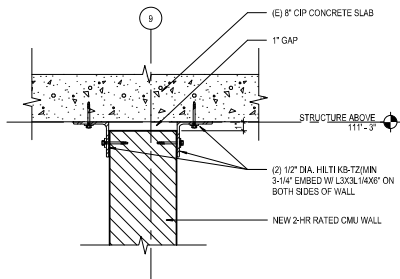
A10.1



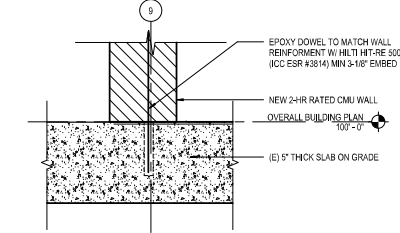
24
A10.1 SCALE: 1 1/2" = 1'-0"



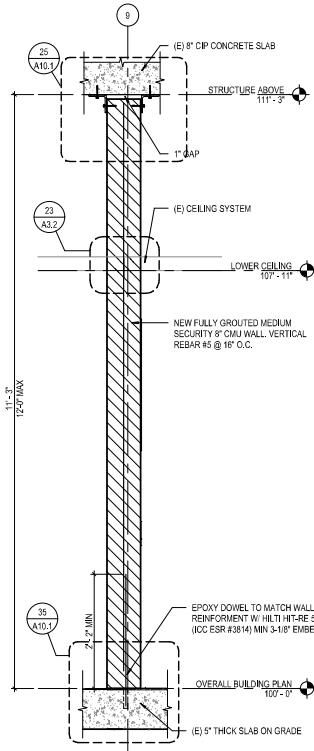
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A10.1 SCALE: 1 1/2" = 1'-0"



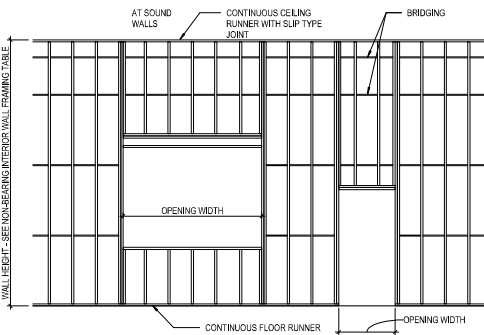
25
A10.1 SCALE: 1 1/2" = 1'-0"



35
A10.1 SCALE: 1 1/2" = 1'-0"



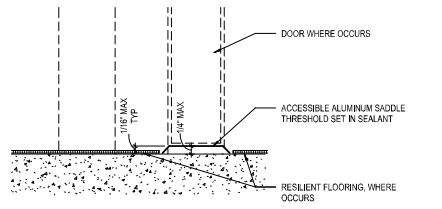
36
A10.1 SCALE: 3/4" = 1'-0"



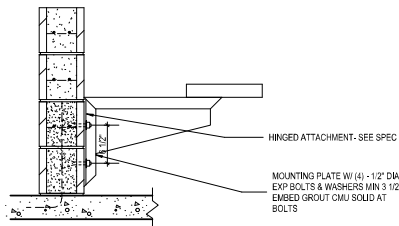
44
A10.1 SCALE: 1/4" = 1'-0"

STUD SIZE	MAXIMUM HEIGHT			DESIGN BASED ON SSMA SIZE
	12	16	24	
3-5/8" X 26 GAUGE	12'-3"	12'-5"	12'-10"	360S152-53
3-5/8" X 20 GAUGE	18'-5"	18'-7"	14'-7"	362S152-53
6" X 20 GAUGE	27'-5"	24'-11"	21'-4"	600S152-53
6" X 20 GAUGE	34'-4"	31'-0"	27'-4"	600S152-53

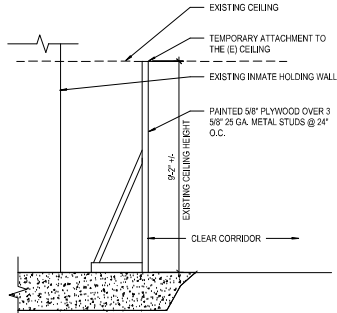
(SSMA - STEEL STUD MANUFACTURER'S ASSOCIATION)



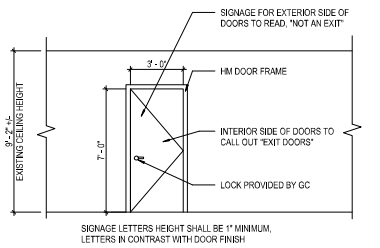
54
A10.1 SCALE: 1/2" = 1'-0"



55
A10.1 SCALE: 1" = 1'-0"

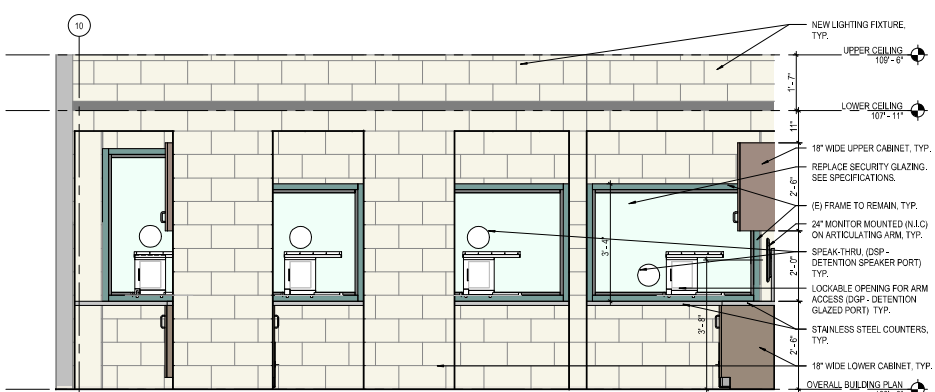


BARRICADE SECTION



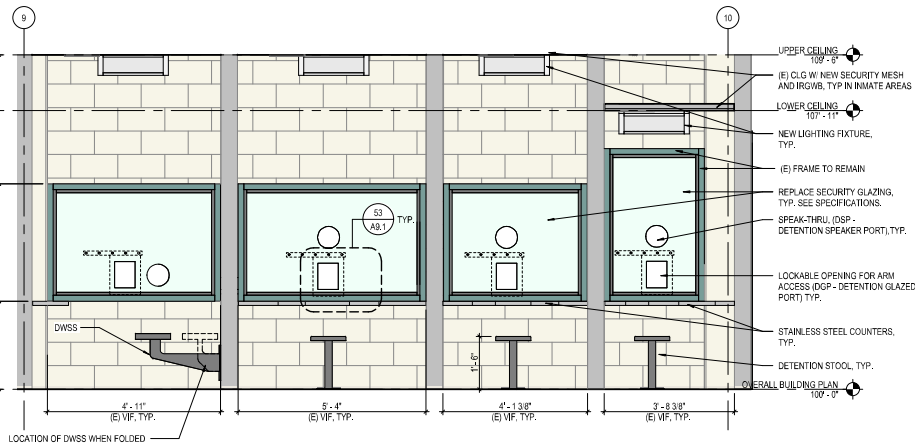
BARRICADE ENTRANCE ELEVATION

56
A10.1 SCALE: 1/4" = 1'-0"



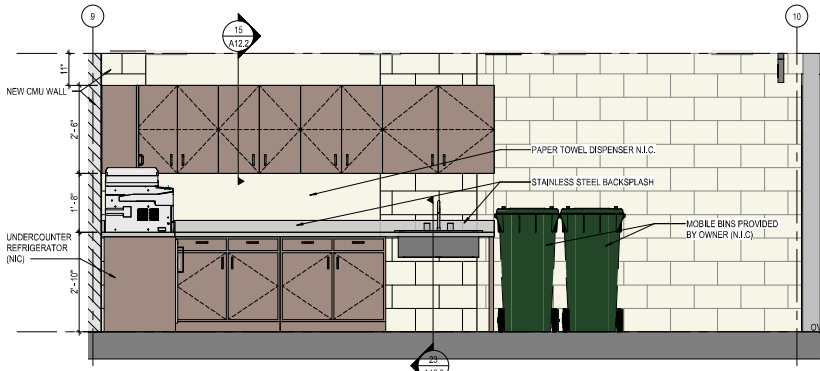
1 ELEVATION 1 - NURSE'S WORK AREA

A12.1 SCALE: 1/2" = 1'-0"



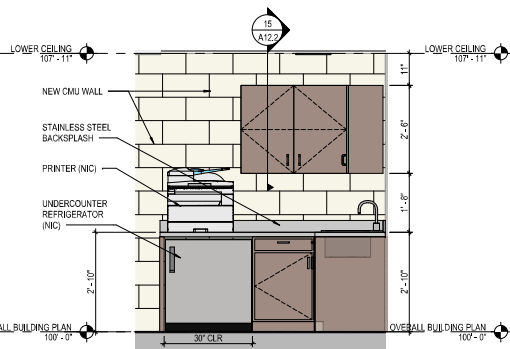
2 ELEVATION 5 - INMATE HOLDING AREA

A12.1 SCALE: 1/2" = 1'-0"



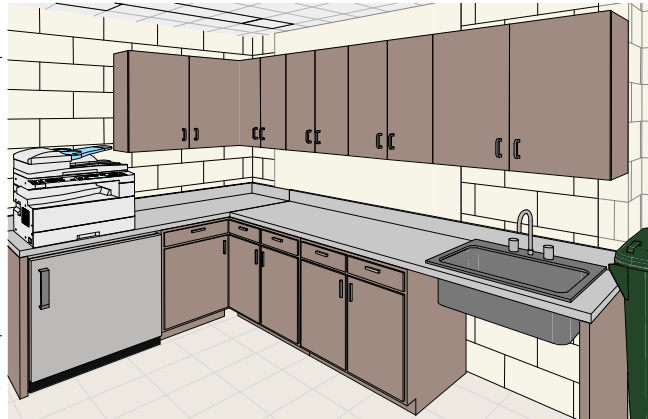
3 ELEVATION 3 - NURSE'S WORK AREA

A12.1 SCALE: 1/2" = 1'-0"

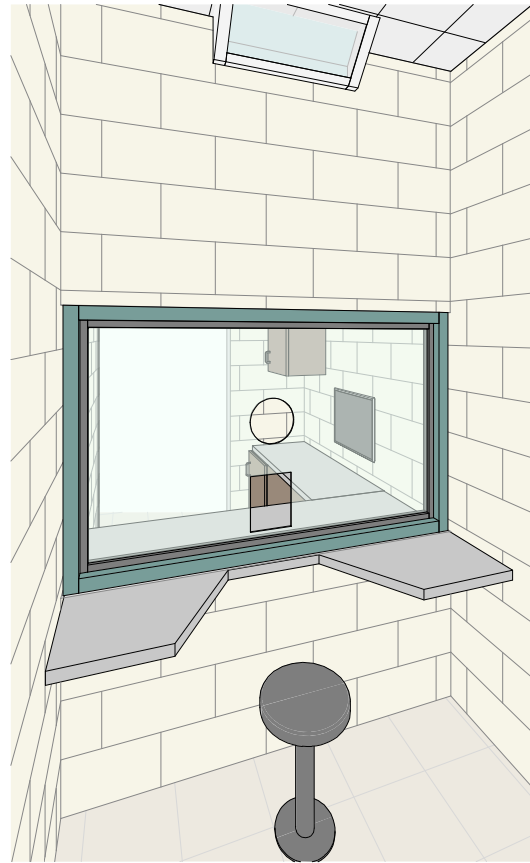


4 ELEVATION 2 - NURSE'S WORK AREA

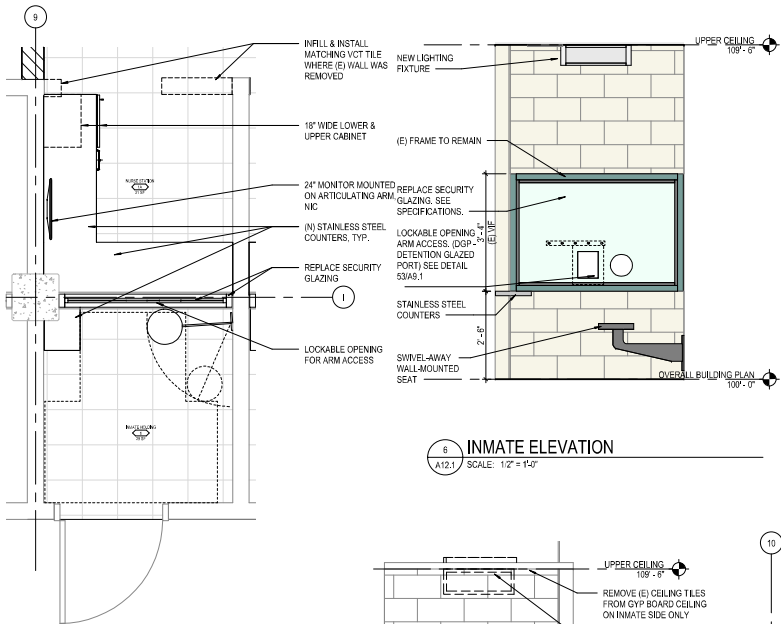
A12.1 SCALE: 1/2" = 1'-0"



NURSE WORK AREA PERSPECTIVE - ROOM 5

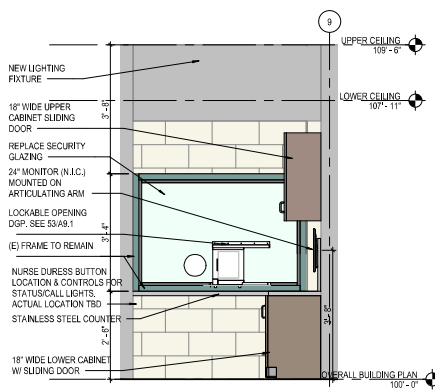


INMATE HOLDING PERSPECTIVE - ROOM 2



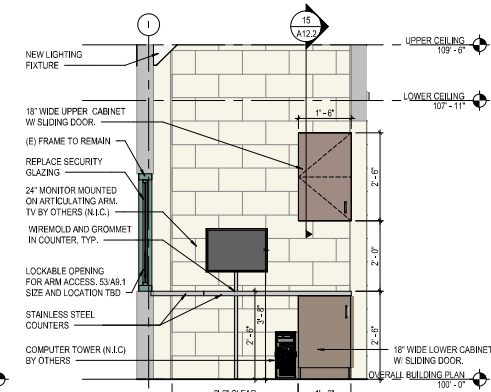
6 INMATE ELEVATION

A12.1 SCALE: 1/2" = 1'-0"



7 NURSE STATION ELEVATION - FRONT

A12.1 SCALE: 1/2" = 1'-0"

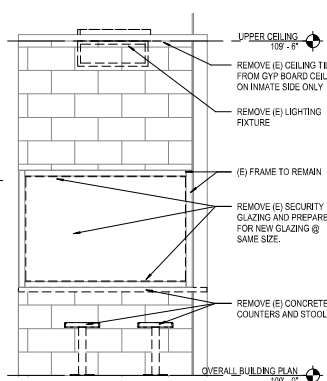


8 NURSE STATION ELEVATION - SIDE

A12.1 SCALE: 1/2" = 1'-0"

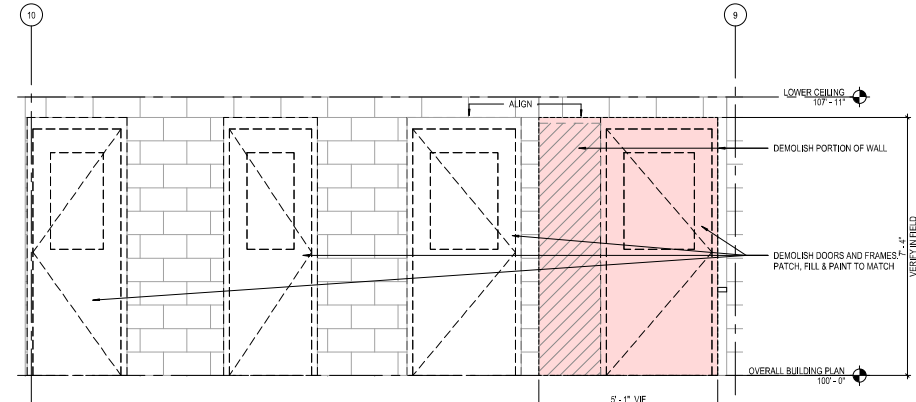
5 FLOOR PLAN - ENLARGED NURSE STATION

A12.1 SCALE: 1/2" = 1'-0"



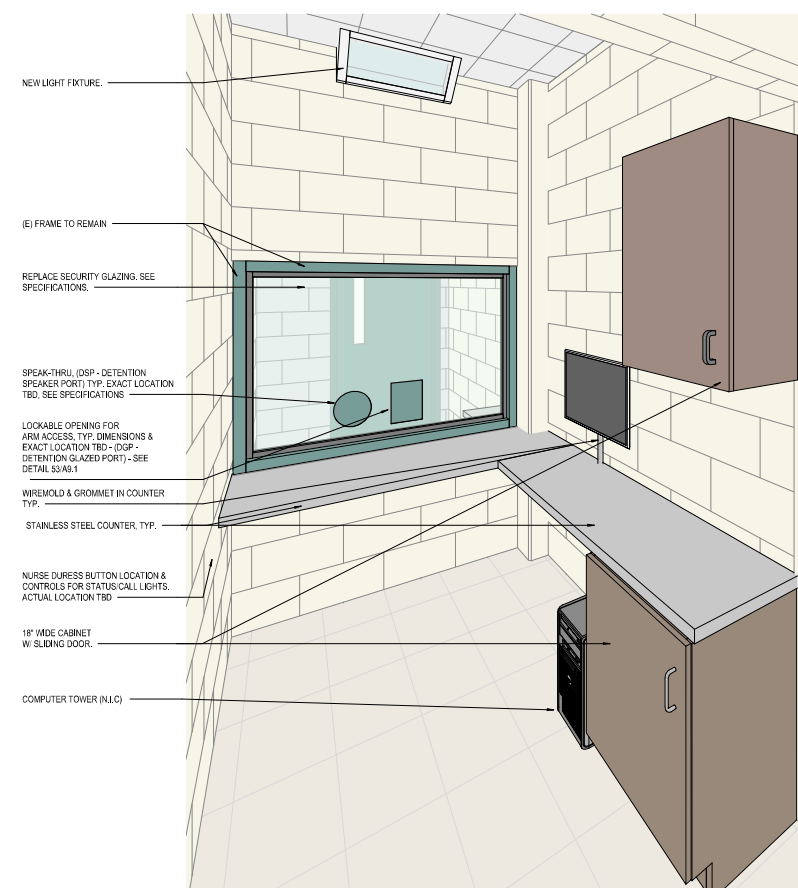
9 TYPICAL INMATE DEMOLITION ELEVATION

A12.1 SCALE: 1/2" = 1'-0"



10 DEMOLITION ELEVATION - NURSE SIDE

A12.1 SCALE: 1/2" = 1'-0"



NURSE STATION PERSPECTIVE - ROOM 1A, TYP.

Revisions	Date	By
100% CD'S	02/25/2019	PKL



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ALAMEDA COUNTY SANTA RITA JAIL

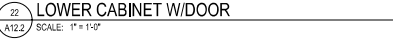
NURSE'S STATION UPGRADE

5325 BRODER BLVD.
DUBLIN, CALIFORNIA

INTERIOR ELEVATIONS & ENLARGED PLANS

Floor Number:	1
Date:	FEBRUARY 15, 2019
Scale:	
Drawn:	PKL
Checked:	IG
Building:	SANTA RITA JAIL
Job:	75-17108-45
Sheet:	

A12.1



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Dallas, TX 75249 • (214) 343-1057
www.yei-engineers.com

 **GUIDEPOST SOLUTIONS LLC**



A12.2

NON-LOAD BEARING

F:\X_Proj\2018\1809-00-58J Nurse Station\01_Drawing\M01.dwg 2-14-19 07:25:38 PM Bryon

MECHANICAL LEGEND			MECHANICAL ABBREVIATIONS			
SYMBOL	ABBREV.	DESCRIPTION				
		SUPPLY AIR DIFFUSER WITH FLEXIBLE CONNECTION (DUCTWORK) X-SULLY AIR FLOW RATE, CFM Y-TYPE OF AIR OUTLET (REFER TO AIR OUTLET SCHEDULE)	AABC	ASSOCIATED AIR BALANCING COUNCIL	HTG	HEATING
		EXHAUST AIR GRILLE WITH DUCTWORK X-EXHAUST AIR FLOWRATE, CFM Y-TYPE OF AIR OUTLET (REFER TO AIR OUTLET SCHEDULE)	ABBREV	ABBREVIATIONS	HVAC	HEATING, VENTILATION AND AIR CONDITIONING
		RETURN AIR DIFFUSER WITH DUCTWORK X-RETURN AIR FLOWRATE, CFM Y-TYPE OF AIR OUTLET (REFER TO AIR OUTLET SCHEDULE)	AD	AREA DRAIN/ACCESS DOOR	Hz	HERTZ
		DUCTWORK (1ST NUMBER INDICATES SIDE SHOWN), NET INSIDE DIMENSION	ADJ	ADJUSTMENT	IN	INCH(ES)
	6ø	ROUND DUCTWORK, NET INSIDE DIMENSION	AFF	ABOVE FINISHED FLOOR	IN WG	INCHES WATER GAUGE
	FC	FLEXIBLE CONNECTION SEISMIC OR JOINT	AI	ANALOG INPUT	LAT	LEAVING AIR TEMPERATURE
		LINED DUCTWORK (OR PLENUM)	AMB	AMBIENT	LBS	POUNDS
		DUCT RISE	AMPS	AMPERES	LVG	LEAVING
		DUCT DROP	ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE		
		SUPPLY AIR DUCT UP	AO	ANALOG OUTPUT	MAINT	MAINTENANCE
		SUPPLY AIR DUCT DOWN	AP	ACCESS PANEL	MAX	MAXIMUM
		RETURN AIR DUCT UP	APD	AIR PRESSURE DROP	MBH	THOUSAND BRITISH THERMAL UNITS PER HOUR
		RETURN AIR DUCT DOWN	APPROX	APPROXIMATE	MIN	MINIMUM
		EXHAUST AIR DUCT UP	ARCH	ARCHITECTURAL	MISC	MISCELLANEOUS
		EXHAUST AIR DUCT DOWN	ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	MSS	MANUFACTURERS STANDARDIZATION SOCIETY
		DUCT TRANSITION	ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	MSS SP-58	PIPE HANGERS AND SUPPORTS-MATERIALS, DESIGN AND MANUFACTURE
		RECTANGULAR TO ROUND DUCT TRANSITION	AVE	AVERAGE	MSS SP-69	PIPE HANGERS AND SUPPORTS-SELECTION AND APPLICATION
	TV	SQUARE/RECTANGULAR ELBOW WITH TURNING VANES	BDD	BACKDRAFT DAMPER	(N)	NEW
		ROUND ELBOW	BLDG	BUILDING	NC	NORMALLY CLOSED/NOISE CRITERIA
		MANUAL VOLUME DAMPER	BOD	BOTTOM OF DUCT	NEBB	NATIONAL ENVIRONMENTAL BALANCING BUREAU
	BDD	BACKDRAFT DAMPER	BTUH	BRITISH THERMAL UNITS PER HOUR	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
	FD/FSD	FIRE DAMPER/FIRE SMOKE DAMPER	CAP	CAPACITY	NO	NORMALLY OPEN
	DD	SMOKE DUCT DETECTOR	CBC	CALIFORNIA BUILDING CODE	NTS	NOT TO SCALE
	SA	SUPPLY AIR DUCT SECTION	CC	COOLING COIL	OA	OUTSIDE AIR
	RA/OA	RETURN AIR DUCT/OUTSIDE AIR DUCT SECTION	CFM	CUBIC FEET PER MINUTE	PD	PRESSURE DROP
	EA	EXHAUST AIR DUCT SECTION	CLG	CEILING	PH	PHASE
	T'STAT	THERMOSTAT (ARROW INDICATES EQUIPMENT OR ZONE SERVED)	COMM	COMMUNICATION	PRV	PRESSURE REDUCING VALVE
		ROOM/ZONE TEMPERATURE SENSOR	CMC	CALIFORNIA MECHANICAL CODE	PSI	POUNDS PER SQUARE INCH
		MECHANICAL EQUIPMENT TAG	CONC	CONCRETE	PSIG	POUNDS PER SQUARE INCH GAGE
	POC	POINT OF CONNECTION	CONT	CONTINUATION	QTY	QUANTITY
		EXTENT OF DEMOLITION	D	DRAIN, DRAINAGE	RA	RETURN AIR
			DB	DRY BULB	REQ'D	REQUIRED
			DDC	DIRECT DIGITAL CONTROL	RF	RETURN FAN
			DI	DIGITAL INPUT	RM	ROOM
			DIA ø	DIAMETER	RPM	REVOLUTIONS PER MINUTE
			DIM	DIMENSION	SA	SUPPLY AIR
			DN	DOWN	SCH	SCHEDULE
			DO	DIGITAL OUTPUT	SF	SUPPLY FAN / SQUARE FEET
			DPT	DIFFERENTIAL PRESSURE TRANSMITTER	SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION
			DWGS	DRAWINGS	SPECS	SPECIFICATION
			(E)	EXISTING	SQ	SQUARE
			EA	EXHAUST AIR	SS	STAINLESS STEEL
			EAT	ENTERING AIR TEMPERATURE	STD	STANDARD
			EF	EXHAUST FAN	T	THERMOSTAT
			EFF	EFFICIENCY	TEMP	TEMPERATURE
			ELEC	ELECTRICAL	THK	THICK
			ENT	ENTERING	THRU	THROUGH
			EQ	EQUAL	TSTAT	THERMOSTAT
			ESP	EXTERNAL STATIC PRESSURE	TYP	TYPICAL
			EXH	EXHAUST	UC	UNDER CUT
			*F	DEGREES FAHRENHEIT	UL	UNDERWRITER'S LABORATORY
			FC	FORWARD CURVED	UNO	UNLESS NOTED OTHERWISE
			FD	FIRE DAMPER	UTR	UP THRU ROOF
			FIN	FINISH	V	VENT / VOLTS
			FLEX	FLEXIBLE	VD	VOLUME DAMPER
			FLR	FLOOR	VEL	VELOCITY
			FPM	FEET PER MINUTE	VOL	VOLUME
			FSD	FIRE SMOKE DAMPER	W	WATTS
			FT	FEET	W/	WITH
			FT WG	FEET WATER GAUGE	W/O	WITHOUT
			G	NATURAL GAS	WB	WET BULB
			GA	GAUGE	W.C.	WATER COLUMN
			GALV	GALVANIZED	WG	WATER GAUGE
			HC	HEATING COIL		
			HD	HEAD		
			HP	HORSEPOWER/HEAT PUMP		
			HR	HOUR		

FAN COIL UNIT SCHEDULE																																	
			SUPPLY FAN				COOLING COIL DATA										HEATING COIL DATA								RETURN AIR FLOW RATE	OUT- DOOR AIR TEMP.	AIR FILTER DATA		VIBRATION ISOLATION	OPER. WEIGHT	REMARKS		
EQUIP. ID.	LOCATION	AREA SERVE	TYPE	SUPPLY AIR FLOW RATE	ESP	MIN. O.A.	MOTOR RPM	MOTOR RATING @ 120V/1PH /60HZ	TOTAL OUTPUT COOLING CAPACITY	SENS. OUTPUT COOLING CAPACITY	MIN. ROWS	FACE VELO- CITY	CHILLED WATER FLOW RATE	ENT. CHILLED WATER TEMP.	LVG. CHILLED WATER TEMP.	MAX WATER P.D.	EDB/ LDB AIR TEMP.	EWB/ LWB AIR TEMP.	TOTAL OUTPUT HEATING CAPACITY	MIN. ROWS	FACE VELO- CITY	HOT WATER FLOW RATE	ENT. HOT WATER TEMP.	LVG. HOT WATER TEMP.			MAX WATER P.D.	EDB/ LDB AIR TEMP.					
				CFM	IN.	CFM		HP	MBH	MBH		FPM	GPM	*F	*F	FT.	*F	*F	MBH		FPM	GPM	*F	*F			FT.	*F				CFM	*F
FCU-1	NURSE'S STATION	NURSE'S STATION	CENTRIFUGAL	370	0.25	-	780	0.1	9.6	7.2	4	500	1	42	52	-	82/ 55	64/ 53	3.6	-	500	0.5	140	120	-	68/ 110	360	93	THROW AWAY/1/ 30%	500	SPRING ISOLATORS	110	SEE NOTES BELOW, TRANE MODEL FCCB SIZE 4, CARRIER OR AERMEC, CEILING CONCEALED.
NOTES: 1. HORIZONTAL FAN COIL UNIT. 2. DIRECT DRIVE MOTOR. 3. PROVIDE DISCONNECT SWITCH. 4. PROVIDE UNIT SPRING ISOLATOR. 5. PROVIDE CONDENSATE DRAIN PIPING COMPLETE WITH INSULATION, AND PAN HI-LEVEL SENSOR. 6. PROVIDE SUPPORTS AND SEISMIC RESTRAINT AS PER CODE REQUIREMENTS. 7. INSTALL FCU ABOVE CEILING. 8. INSTALL PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFIED CLEARANCES. 9. PROVIDE ZONE SENSOR. 10. PROVIDE WITH FAN COIL CONTROLLER. 11. FAN COIL UNITS SHALL MEET THE ROOM NOISE CRITERIA RATING OF NC 35.																																	

AIR INLET AND OUTLET SCHEDULE					
SYMBOL	TYPE	THROW TYPE	SIZE	NECK SIZE	REMARKS
A1	SUPPLY ARCHITECTURAL SQUARE PLAQUE FACE CEILING DIFFUSER - FIRE RATED	1 SLOT LOUVERED HORIZONTAL PATTERN	12"x12"	6"ø	TITUS MODEL TMSFR OR APPROVED EQUAL. PROVIDE WITH FIRE DAMPER AND VOLUME ADJUSTMENT CONTROL.
A2	SECURITY PENAL TYPE SUPPLY AIR CEILING REGISTER - STEEL	0 DEG. DEFLECTION	8"x4"	8"x4"	TITUS MODEL SG-SD OR APROVED EQUAL. MIN. 3/16" STEEL WITH 3/16" DIAMETER FACEPLATE HOLES. AND 6 INCH 3/16" STEEL SLEEVE.
B1	RETURN/EXHAUST AIR CEILING PERFORATED DIFFUSER - FIRE RATED	35 DEG. DEFLECTION	12"x12"	12"x12"ø	TITUS MODEL PASFR OR APPROVED EQUAL. PROVIDE WITH BACK PAN.

Revisions	Date	By
100% CD	02/15/19	BH



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SEAL & SIGNATURE

AGENCY APPROVAL:

ALAMEDA COUNTY
SANTA RITA JAIL

NURSE'S STATION
UPGRADE

5325 BRODER BLVD.
DUBLIN, CALIFORNIA

DRAWING TITLE

(N) NURSE'S STATION
MECHANICAL LEGEND, ABBREVIATIONS
AND EQUIPMENT SCHEDULES

Floor Number:
Date: FEBRUARY 15, 2019
Scale: NONE
Drawn: P. WINGERT
Checked: B. HAYES
Building: SANTA RITA JAIL
Job: YEI #1809
Sheet: 1

M0.1

Revisions	Date	By
100% CD	02/15/19	BH



General Services Agency of
Alameda County

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CONSULTANTS:



SEAL & SIGNATURE

AGENCY APPROVAL:

ALAMEDA COUNTY SANTA RITA JAIL

NURSE'S STATION UPGRADE

5325 BRODER BLVD.
DUBLIN, CALIFORNIA

DRAWING TITLE

(N) NURSE'S STATION DEMOLITION MECHANICAL PLAN

Floor Number:	
Date:	FEBRUARY 15, 2019
Scale:	1/2"=1'-0"
Drawn:	P. WINGERT
Checked:	B. HAYES
Building:	SANTA RITA JAIL
Job:	YEI #1809
Sheet:	2

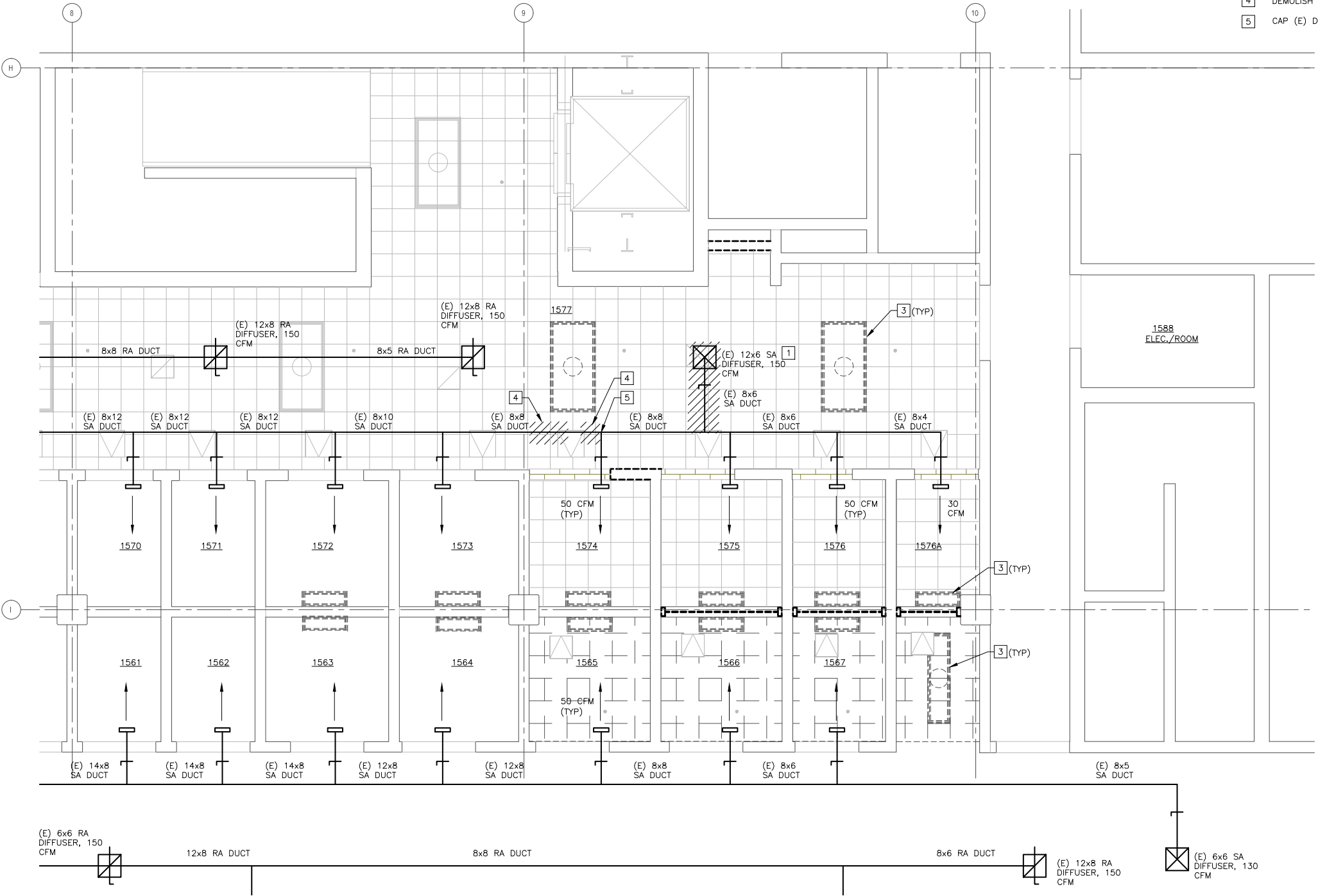
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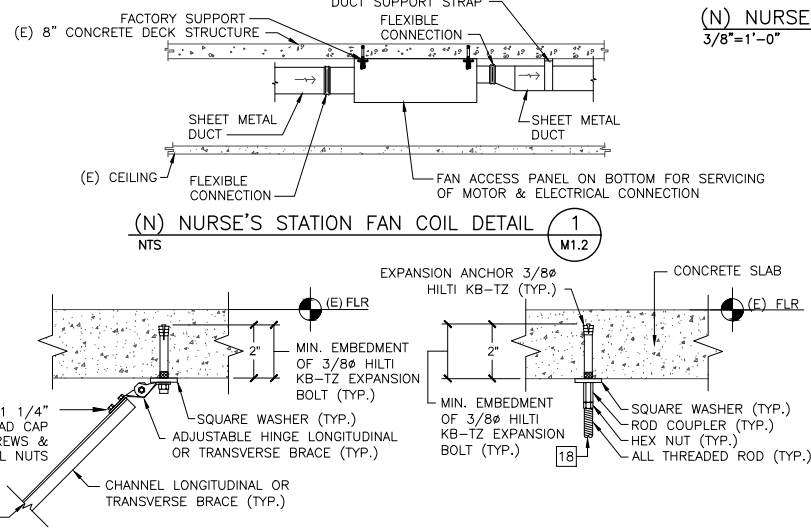
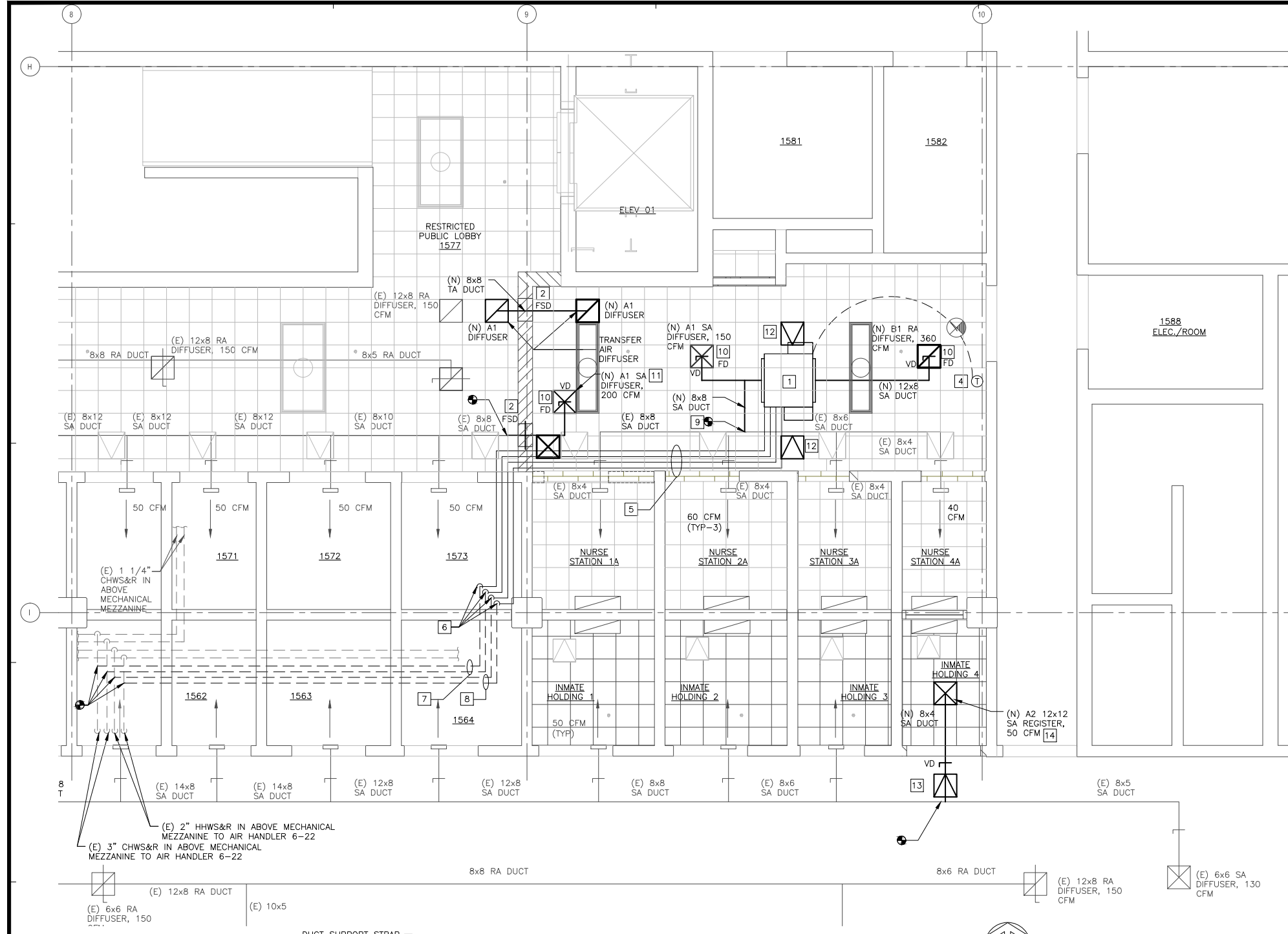
SHEET NOTES

- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS FOR EXACT LOCATION PRIOR TO DEMOLITION WORK AND NEW INSTALLATION AND SHALL NOTIFY THE CONTRACTING OFFICER OF THE EXISTING CONDITION. CONTRACTOR SHALL PROVIDE AS-BUILT CONDITION.

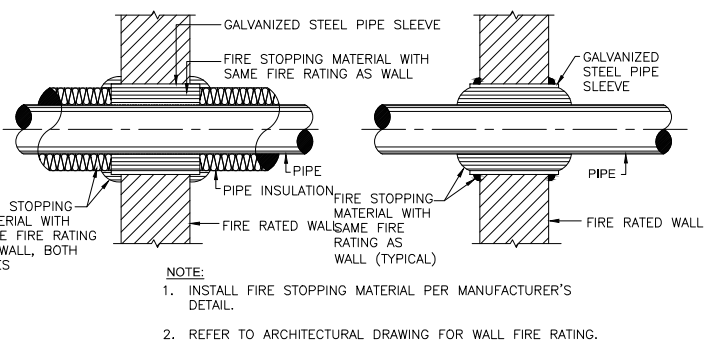
KEY NOTES

- DEMO (E) CEILING SUPPLY DIFFUSER, DUCT AND DUCT SUPPORTS.
- DEMO (E) CEILING SUPPLY DUCT.
- (E) DEMOLISHED LIGHT, REFER TO ELECTRICAL DRAWINGS.
- DEMOLISH PORTION OF (E) SUPPLY AIR DUCT.
- CAP (E) DUCT.

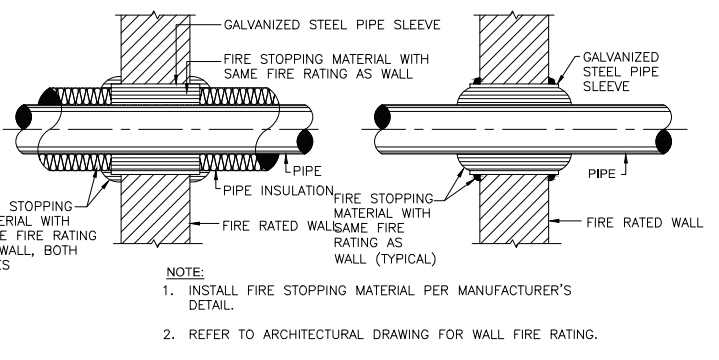




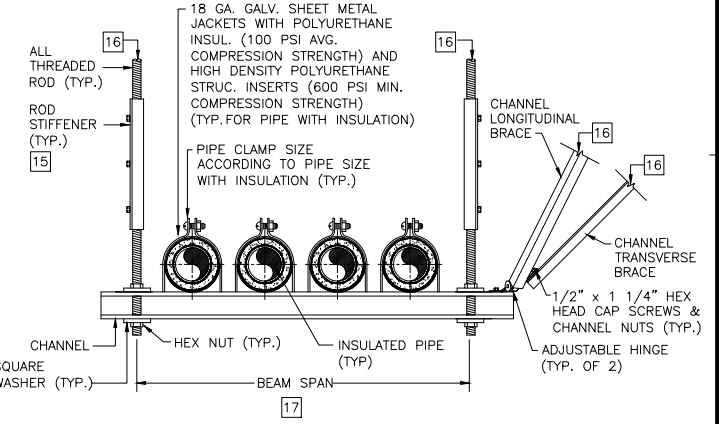
(N) NURSE'S STATION MECHANICAL NEW WORK PLAN
3/8"=1'-0"



TYPICAL STRUCTURAL CONCRETE SLAB PIPE SUPPORT AND SEISMIC ATTACHMENTS
NTS



PIPE SLEEVE PENETRATION THRU FIRE-RATED WALL DETAIL
NTS



TYPICAL TRAPEZE PIPE HANGER SUPPORT
NTS

SHEET NOTES

- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS FOR EXACT LOCATION PRIOR TO DEMOLITION WORK AND NEW INSTALLATION AND SHALL NOTIFY THE CONTRACTING OFFICER OF THE EXISTING CONDITION. CONTRACTOR SHALL PROVIDE AS-BUILT CONDITION.
- ALL VOLTAGE WIRING SHALL BE INSTALLED IN CONDUIT. SIZE AND PROVIDE CONDUITS INCLUDING SEALS PER NEC.
- RE-BALANCE SUPPLY AIRFLOW OF AH-C-6 UNIT ABOVE IN MEZZANINE MECHANICAL EQUIPMENT ROOM 2506, AS REQUIRED TO MAINTAIN PRESSURE IN JAIL CELL AND NURSE STATION AREA.
- FOR PIPE SUSPENDED 12 INCHES OR MORE BELOW SUPPORT STRUCTURE, AND LARGER THAN 1", PROVIDE TRANSVERSE SEISMIC BRACING AT 20'-0" MAX. AND EVERY CHANGE OF DIRECTION.
- FOR PIPE SUSPENDED 12 INCHES OR MORE BELOW SUPPORT STRUCTURE, AND LARGER THAN 1", PROVIDE LONGITUDINAL SEISMIC BRACING AT 40'-0" O.C. MAX., MINIMUM OF 2 REQUIRED.

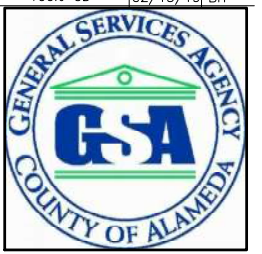
KEY NOTES

- PROVIDE (N) HYDRONIC FAN COIL UNIT HORIZONTAL TYPE, CONCEALED IN CEILING. PROVIDE 12x12 ACCESS HATCH BELOW UNIT FOR MAINTENANCE. PIPE CHILLED AND HEATING HOT WATER TO UNIT WITH (N) CONTROL VALVE, FROM PIPING IN EQUIPMENT MEZZANINE AREA ABOVE.
- PROVIDE (N) SELF-CONTAINED FIRE SMOKE DAMPER ON DUCT AT WALL.
- PROVIDE (N) 8x4 SUPPLY REGISTER WALL MOUNT ABOVE DOOR, WITH HEIGHT MATCHING ADJACENT ROOM.
- LOW VOLTAGE WIRED CONTROLLER FOR DUCTLESS SPLIT INDOOR FAN COIL UNIT. MOUNT ON WALL AT 48" A.F.F.
- (N) 3/4" CHWS & R & HHWS & R PIPING TO FAN COIL, COMPLETE W/ HANGERS, CHANNEL STRUT SUPPORTS AND PIPE CLAMPS. MOUNT AS HIGH AS POSSIBLE TIGHT TO UNDERSIDE OF ROOF STRUCTURE.
- CHWS & R & HHWS & R PIPE RISERS THRU DECK. PIPING RISERS IN MEZZANINE W/ EACH MIN 2 WALL-MOUNT GALV STL PIPE SUPPORTS TOP AND BOTTOM.
- (N) 3/4" CHWS & R IN MEZZANINE.
- (N) 3/4" HHWS & R IN MEZZANINE.
- CONNECT (N) FAN COIL TO (E) DISTRIBUTION DUCTWORK, AND BALANCE SUPPLY AIR TO SPACES AS NOTED.
- PROVIDE CEILING FIRE DAMPER FLUSH AND CONNECT TO TOP OF CEILING DIFFUSER.
- BUILDING SUPPLY VENTILATION AIR TO NURSES STATION AREA.
- (N) LOCKABLE ACCESS HATCH IN CEILING FOR HVAC ACCESS.
- (N) SECURITY VANDAL-RESISTANT LOCKABLE ACCESS HATCH IN CEILING FOR HVAC ACCESS.
- PROVIDE (N) PENAL SECURITY TYPE 12x12 CEILING MOUNT SUPPLY REGISTER AT CEILING.
- PROVIDE ROD STIFFENER WHEN THE ROD LENGTH EXCEEDS THE MAX. VALUE INDICATED IN THE SCHEDULE BELOW. ROD STIFFENER SHALL EXTEND ALONG THE FULL LENGTH OF THE ROD.

MAX. PIPE SIZE, IN.	ROD SIZE, IN.	MAX. ROD LENGTH, IN.
1/2 UP TO 2	3/8	19

- REFER TO CONCRETE SLAB SUPPORT AND SEISMIC ATTACHMENTS FOR APPLICABLE CONTINUATION.
- REFER TO MANUFACTURER DATA FOR CHANNEL TYPE AND LOAD RATING BASED ON BEAM SPAN FOR UNIFORM AND CONCENTRATED LOADING.
- REFER TO TYPICAL PIPE HANGER AND TRAPEZE PIPE HANGER SUPPORT AND BRACING DETAILS FOR APPLICABLE CONTINUATION.

Revisions	Date	By
100% CD	02/15/19	BH



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CONSULTANTS:



SEAL & SIGNATURE

AGENCY APPROVAL:

ALAMEDA COUNTY
SANTA RITA JAIL

NURSE'S STATION
UPGRADE

5325 BRODER BLVD.
DUBLIN, CALIFORNIA

DRAWING TITLE

(N) NURSE'S STATION
NEW WORK
MECHANICAL PLAN

Floor Number:	
Date:	FEBRUARY 15, 2019
Scale:	AS NOTED
Drawn:	P. WINGARD
Checked:	B. HAYES
Building:	SANTA RITA JAIL
Job:	YEI #1809
Sheet:	3

M1.2

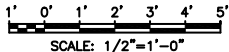
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LEGEND			ABBREVIATIONS	
SYMBOL	ABBR.	DESCRIPTION	ABBR.	DESCRIPTION
----	CW	DOMESTIC COLD WATER PIPE	⊙	AT
-----	HWS/TWS	DOMESTIC HOT/TEMPERED WATER SUPPLY PIPE	AFF	ABOVE FINISHED FLOOR
-----	HWR/TWR	DOMESTIC HOT/TEMPERED WATER RETURN PIPE	AMPS	AMPERES
----	CD	CONDENSATE DRAIN PIPE	APPROX	APPROXIMATE
-----	S OR SD	SEWER OR STORM DRAIN PIPE ABOVE FLOOR	BF	BELOW FLOOR
-----	S OR SD	SEWER OR STORM DRAIN PIPE BELOW FLOOR OR BURIED	BG	BELOW GROUND
-----	V	VENT PIPE	CL	CENTER LINE
oVTR	VTR	VENT THRU ROOF	CPC	CALIFORNIA PLUMBING CODE
---	FD	FLOOR DRAIN	DDC	DIRECT DIGITAL CONTROL
---	FS	FLOOR SINK	DIA	DIAMETER
WCO	WCO	WALL CLEAN OUT	DN	DOWN
FCO/COTG	FCO	FLOOR OR CLEAN OUT TO GRADE	DWGS	DRAWINGS
CO	CO	CLEAN OUT	(E)	EXISTING
---		SLOPE	*F	DEGREES FAHRENHEIT
---		ELBOW DOWN	FD	FLOOR DRAIN
---		ELBOW UP	FT	FEET
---		TEE DOWN	GAL	GALLON
---		TEE UP	GPH	GALLONS PER HOUR
---		REDUCER	GPM	GALLONS PER MINUTE
POC	RED	REDUCER	HB/HB-WB	HOSE-BIBB/HOSE BIBB-WALL BOX
+	POC	POINT OF CONNECTION	HP	HORSEPOWER
+	HB	HOSE BIB	ID	INSIDE DIAMETER
VTR/ARV	VTR/ARV	VENT THRU ROOF/AIR RELIEF VALVE	IN	INCH
TP		TRAP PRIMER	KW	KITCHEN WASTE/KILOWATT
---		ISOLATION/SHUT OFF VALVE	LVG	LEAVING
---	CKV	CHECK VALVE	MAX	MAXIMUM
---		BALL VALVE	MBH	THOUSAND BRITISH THERMAL UNITS
---	WHA	WATER HAMMER ARRESTER	MIN	MINIMUM
---		1/4" TEST PLUG	MSS	MANUFACTURERS STANDARD SOCIETY
---	T & P	TEMPERATURE AND PRESSURE RELIEF VALVE	MSS SP-58	PIPE HANGERS AND SUPPORTS - MATERIALS DESIGN AND MANUFACTURE
---		THERMOMETER	MSS SP-69	PIPE HANGERS AND SUPPORTS - SELECTION AND APPLICATION
---		THERMOSTAT/AQUASTAT/TEMPERATURE SENSOR	(N)	NEW
---		FURNISHED AS INSTALLED BY ELECTRICAL	NSF 61	NATIONAL SANITATION FOUNDATION - DRINKING WATER SYSTEM COMPONENTS - HEALTH EFFECTS
---		UNION	PSIG	POUNDS PER SQUARE INCH, GAGE
---		FLEXIBLE PIPE	T & P	TEMPERATURE AND PRESSURE
---		CAPPED	TEMP	TEMPERATURE
---		EXTENT OF DEMOLITION	TYP	TYPICAL
			UL	UNDERWRITERS LABORATORY
			V/PH/Hz	VOLTS/PHASE/HERTZ
			W/	WITH
			±	PLUS/MINUS

PLUMBING FIXTURE AND CONNECTION SCHEDULE								
SYMBOL	FIXTURE	TRAP	WASTE	VENT	CW	HW	TW	SPECIFICATION
SK-1 (ADA)	SINK	1 1/2	1 1/2	1 1/2	1/2	1/2	-	ADA COMPLIANT, SINK, 25" X 21 1/4" SINGLE COMPARTMENT (21" x 15-3/4" x 6-1/2"D SINK COMPARTMENT), 18-GAUGE TYPE 304 STAINLESS STEEL, DECK MOUNTED GOOSENECK FAUCET WITH 3-HOLES ON 4" CENTERS, UNDERSIDE FULLY UNDERCOATED TO DAMPEN SOUND AND REDUCE CONDENSATE, SWING GOOSENECK SPOUT AND FLOOR-MOUNT DUAL FOOT PEDALS, AND STAINLESS STEEL SINK STRAINER. PROVIDE THERMOSTATIC MIXING VALVE FOR FOOT PEDAL USE. PROVIDE STAINLESS STEEL ANCHORS FOR FOOT PEDAL.
FIXTURE NOTES: 1. FAUCET FOR NURSE WORK AREA SINK SHALL FLOW AT NO MORE THAN 1.0 GALLON PER MINUTE. 2. ADA COMPLIANT FIXTURES TO BE INSTALLED IN ACCORDANCE WITH THE LATEST CALIFORNIA PLUMBING CODE, CHAPTER 15. 3. PROVIDE WATER HAMMER ARRESTOR ON EACH FOOT PEDAL WATER SUPPLY LINE BELOW SINK.								

DRAIN AND CLEANOUT SCHEDULE					
SYMBOL	DESCRIPTION	MANUFACTURER	MODEL NO. (OR APPROVED EQUAL)	STRAINER TYPE	REMARKS
WCO	WALL CLEANOUT	ZURN	ZN-1468	-	BRONZE TAPER PLUG, ROUND STAINLESS STEEL COVER AND VANDAL-PROOF SCREW.
WHA	WATER HAMMER ARRESTOR	ZURN	-	-	

INSTANTANEOUS WATER HEATER SCHEDULE									
EQUIP. NUMBER	DESCRIPTION	LOCATION	ELECTRICAL CHARACTERISTICS		CAPACITY		OPERATING WEIGHT	MANUFACTURER AND MODEL	
			ELEMENT WATTAGE	FULL LOAD CURRENT	TEMPERATURE RISE	RISE RATE			
			VOLT/PH	AMPS	°F	GPM	LBS.		
IWH-1	WATER HEATER (INSTANTANEOUS)	NURSE'S WORK AREA SINK	8320	208/1	40	57	1	5	EEMAX SP 8208, OR APPROVED EQUAL



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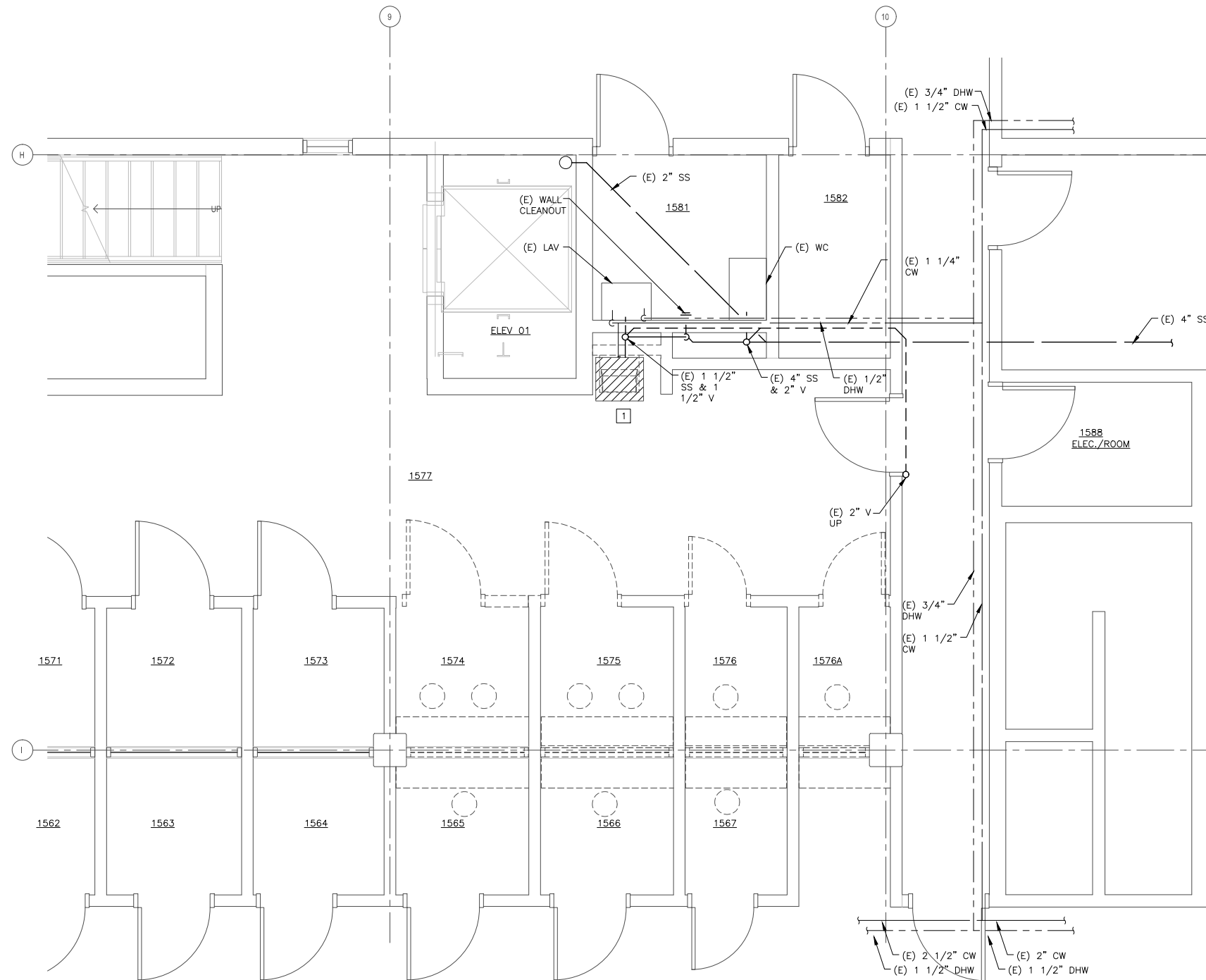
ALAMEDA COUNTY
SANTA RITA JAIL

NURSE'S STATION
UPGRADE

5325 BRODER BLVD.
DUBLIN, CALIFORNIA

DRAWING TITLE
(N) NURSE'S STATION
PLUMBING LEGEND, FIXTURE
SCHEDULES & ABBREVIATIONS

Floor Number:	
Date:	FEBRUARY 15, 2019
Scale:	1/2"=1'-0"
Drawn:	P. WINGERD
Checked:	B. HAYES
Building:	SANTA RITA JAIL
Job:	YEI #1809
Sheet:	1



(N) NURSE'S STATION PLUMBING DEMO PLAN 1
1/2"=1'-0" P1.1

SHEET NOTES

- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS FOR EXACT LOCATION PRIOR TO DEMOLITION WORK AND NEW INSTALLATION AND SHALL NOTIFY THE CONTRACTING OFFICER OF THE EXISTING CONDITION. CONTRACTOR SHALL PROVIDE AS-BUILT CONDITION.

KEY NOTES

- DEMOLISH (E) DRINKING FOUNTAIN, AND CAP ASSOCIATED CW, SS AND V PIPING AT WALL.

Revisions	Date	By
100% CD	02/15/19	BH



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ALAMEDA COUNTY SANTA RITA JAIL

NURSE'S STATION UPGRADE

5325 BRODER BLVD.
DUBLIN, CALIFORNIA

DRAWING TITLE

(N) NURSE'S STATION
DEMOLITION
PLUMBING PLAN

Floor Number:

Date: FEBRUARY 15, 2019

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

Drawn: P. WINGARD

Checked: B. HAYES

Building: SANTA RITA JAIL

Job: YEI #1809

Sheet: 2

P1.1



1' 0' 1' 2' 3' 4' 5'
SCALE: 1/2"=1'-0"

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P1.2

- 1 INSTALL NEW SINK AND ASSOCIATED APPURTENANCES INCLUDING BUT NOT LIMITED TO CW, HW, SS AND V PIPING, ANGLE STOPS, FITTINGS AND SUPPORTS.
- 2 INSULATED CONDENSATE DRAIN WITH ELASTOMERIC INSULATION. CONNECT 3/4" CONDENSATE DRAIN FROM FAN COIL TO SINK TAILPIECE UPSTREAM OF PIPE TRAP.



TYPICAL PIPE PENETRATION THRU WALL DETAIL



ELECTRICAL ABBREVIATIONS

A	AMPERE
AF	AMPERE FRAME
AFF	ABOVE FINISHED FLOOR
APPROX	APPROXIMATE
AT	AMPERE TRIP
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
BC	BARE COPPER
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CU	COPPER CONDUCTOR(S)
DWG	DRAWING
(E)	EXISTING
EDP	EMERGENCY DISTRIBUTION PANEL
(G), GND	GROUND
GFI	GROUND FAULT INTERRUPTER
JB	JUNCTION BOX
KCMIL	THOUSANDS CIRCULAR MIL (WIRE SIZE)
KVA	KILOVOLT AMPERE
KW	KILOWATT
MDP	MAIN DISTRIBUTION PANEL
(N)	NEW
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
PB	PULLBOX
PWR	POWER
RGS	RIGID GALVANIZED STEEL
THWN	THERMOPLASTIC HEAT-WATER RESISTANT NYLON COATED WIRE
TYP	TYPICAL
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
XFMR	TRANSFORMER
1/C	SINGLE CONDUCTOR
3/C	THREE CONDUCTOR
1Ø	SINGLE PHASE
3Ø	THREE PHASE
3P	THREE POLE

LEGEND

	QUADRUPLEx RECEPTACLE OUTLET, CORRECTION GRADE
	DUPLEX RECEPTACLE OUTLET, CORRECTION GRADE
	JUNCTION BOX ON WALL
	PULL BOX
	INTERCOMM HANDSET
	DATA/JACK
	NURSE CALL BUTTON
	NURSE CALL RESET BUTTON
	NURSE CALL INDICATING LIGHT
	MOTOR
	CCTV CAMERA
	2'x4' RECESSED CORRECTION GRADE LIGHT FIXTURE
	4.5"x18" UNDER CABINET MOUNT LIGHT FIXTURE
	CORNER SURFACE MOUNT CORRECTION GRADE LIGHT FIXTURE
	LIGHT SWITCH, CORRECTION GRADE
	ELECTRICAL PANEL
	DEMOLISH

GENERAL ELECTRICAL NOTES:

- THE SCOPE OF WORK IS TO FURNISH AND INSTALL THE ELECTRICAL SYSTEMS, COMPONENTS, AND MATERIALS COMPLETE IN ACCORDANCE WITH PLANS, AND CODES.
- FIELD VERIFY EXISTING CONDITIONS INCLUDING LOCATION OF ELECTRICAL EQUIPMENT/UTILITIES BEFORE COMMENCING ANY WORK.
- ALL ELECTRICAL WORK/INSTALLATION SHALL COMPLY WITH CURRENT LOCAL AND CALIFORNIA ELECTRICAL CODES AND APPLICABLE SECTIONS AND STANDARDS OF THE COUNTY.
- ALL WORK SHOWN ON THE DRAWINGS IS IN PART SCHEMATIC, INTENDED TO CONVEY SCOPE OF WORK AND GENERAL LAYOUT. DRAWINGS ARE DIAGRAMMATIC AND THE INSTALLER SHALL COORDINATE WITH OTHER TRADES FOR PROPER ELECTRICAL INSTALLATION.
- VERIFY FINAL PLACEMENT AND CONNECTION REQUIREMENTS PRIOR TO ROUGHING-IN EQUIPMENT UTILITIES.
- ALL PARTS, DEVICES, EQUIPMENT, ETC WHICH REQUIRE MAINTENANCE, SHALL BE ARRANGED SO AS TO BE ACCESSIBLE BY PROVIDING ADEQUATE WORKING SPACES AND MINIMUM CLEARANCES NOTED IN CEC, NEC, NESC SHALL BE MAINTAINED.

Revisions	Date	By
100% CD	02/15/19	AK



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AGENCY APPROVAL:

ALAMEDA COUNTY
SANTA RITA JAIL

NURSE'S STATION
UPGRADE

5325 BRODER BLVD.
DUBLIN, CALIFORNIA

DRAWING TITLE

LEGEND, NOTES, AND
LIGHT FIXTURE
SCHEDULE

Floor Number:	
Date:	FEBRUARY 15, 2019
Scale:	NONE
Drawn:	P.WINGERD
Checked:	G.CHEUNG
Building:	SANTA RITA JAIL
Job:	YEI #1809
Sheet:	

E0.1

1. ALL LIGHT CIRCUITS INDICATED ON DWG FROM PANEL CHC.
2. (E) CIRCUITS SHALL BE RECONNECTED AND MAINTAINED FOR (E) LIGHT FIXTURES, AND RECEPTACLES ON THE SAME CIRCUITS.

- 1 REMOVE (E) LIGHT FIXTURES FOR REPLACEMENT.
- 2 REMOVE (E) RECEPTACLE.
- 3 REMOVE (E) SWITCH AND REPLACE WITH VANDAL PROOF BLANK COVER.
- 4 REMOVE (E) FIXTURE AND REPLACE WITH VANDAL PROOF COVER.
- 5 REMOVE (E) CALL BUTTONS, INDICATING LIGHT AND REPLACE WITH VANDAL PROOF BLANK COVER.
- 6 REMOVE (E) INTERCOM HANDSETS AND REPLACE WITH VANDAL PROOF BLANK COVER.

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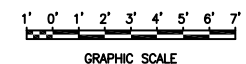
AGENCY APPROVAL:

5325 BRODER BLVD.
DUBLIN, CALIFORNIA

ELECTRICAL
DEMOLITION PLAN

Date:	FEBRUARY 15, 2019
Scale:	3/8"=1'-0"
Drawn:	P. WINGARD
Checked:	G.CHEUNG
Building:	SANTA RITA JAIL
Job:	YEI #1809
Sheet:	

E1.0



GENERAL NOTES

1. ROUTING OF THE RACEWAY SHALL BE FIELD VERIFIED.

KEY NOTES

1 PROVIDE (N) VANDAL PROOF SWITCH TO CONTROL THE NURSES AND INMATES STATIONS.

2 UNDER CABINET LED LIGHT FIXTURES SHALL BE CONNECTED TO (N) RECEPTACLE. SEE DWG E1.2 FOR (N) RECEPTACLE.

Revisions	Date	By
100% CD	02/15/19	AK



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NURSE'S STATION
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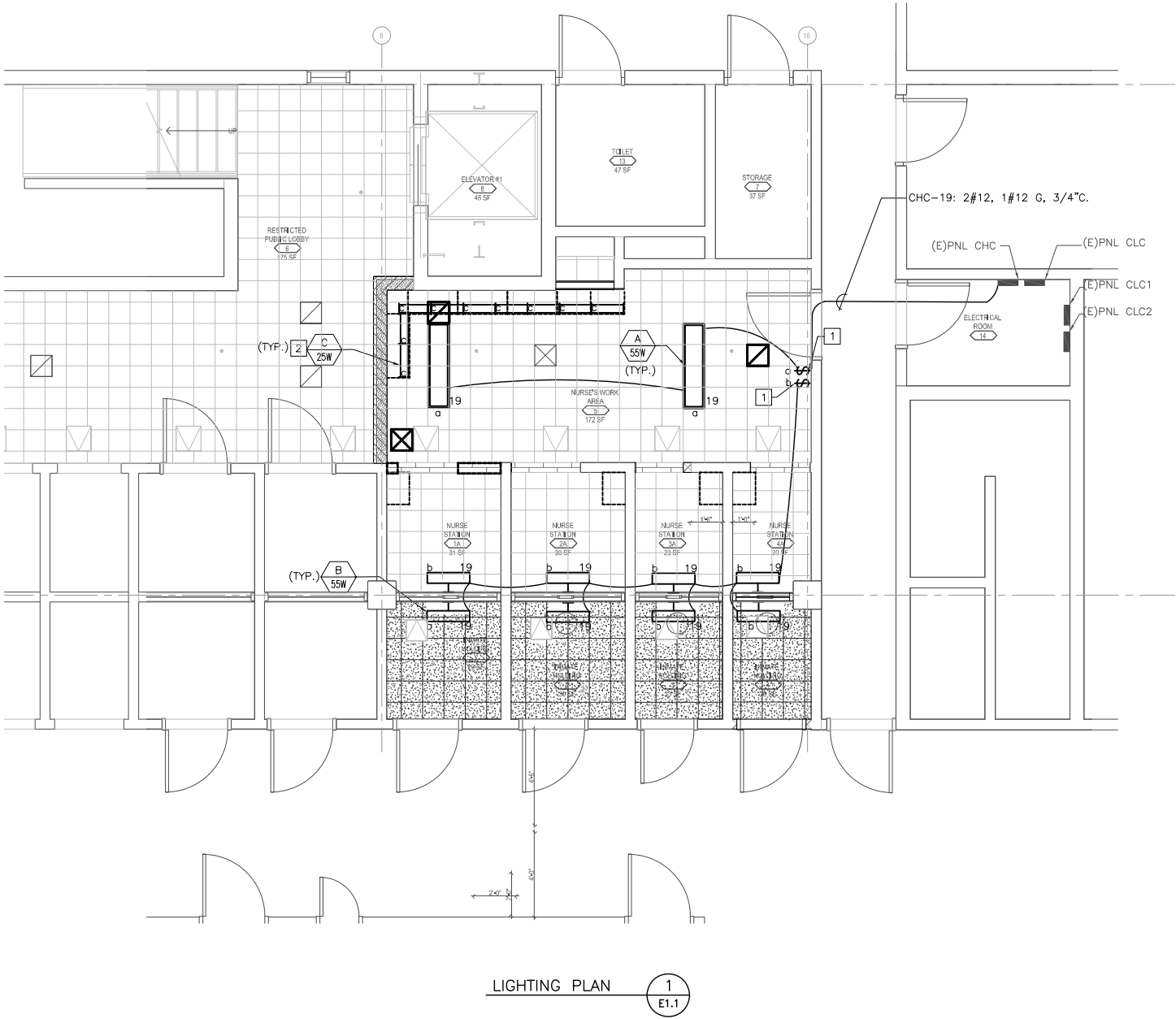
5325 BRODER BLVD.
DUBLIN, CALIFORNIA

DRAWING TITLE

LIGHTING PLAN

Floor Number:	
Date:	FEBRUARY 15, 2019
Scale:	3/8"=1'-0"
Drawn:	P. WINGERS
Checked:	G.CHEUNG
Building:	SANTA RITA JAIL
Job:	YEI #1809
Sheet:	

E1.1



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AGENCY APPROVAL:

NURSE'S STATION UPGRADE

DRAWING TITLE

Floor Number

Date: FEBRUARY 15, 2019

Scale: N/S

Drawn: P. WINGERD

Checked: G.CHEUNG

Building: SANTA RITA JAIL

Job: YEI #1809

Sheet:

GENERAL NOTES:

1. THIS PANEL SCHEDULE DRAWING IS BASED ON AS BUILT DRAWINGS AND FIELD VISITS. ALL INFORMATION SHALL BE FIELD VERIFIED. VOLTAGES SHALL BE VERIFIED USING A VOLTMETER BEFORE WORKING ON ANY CIRCUIT.

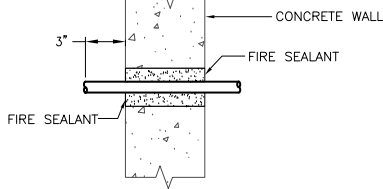
KEY NOTES

- 1 REPLACE (E) BREAKERS WITH (N) BREAKERS. MATCH (N) BREAKERS TO THE PANEL KAIC.
- 2 PROVIDE (N) UPDATED TYPE WRITTEN SCHEDULE, HAND WRITTEN SCHEDULE NOT ACCEPTABLE.

(E) PANELBOARD CHC Bus 100A Main Lugs NEMA										Voltage 480/277V, 3PH, 4W KAIC 22 Location CORE ROOM # 1588 Mounting SURFACE										2								
Ckt.	Description										CB	Type	Load	Ph.	Load	Type	CB	Description										Ckt.
1	LTG. Rm# 601,611,612,613,616,617,621,512 (16-2F9,5-1F2,4-1F8)										20/1	L	1939	A	2077	L	20/1	LTG. Rm# 518>>524,625>>628, 630,631 (24-1F2)										2
3	LTG. Rm# 590,591,592,633>>637,414 CORRID. 512(10-2F8,18-1F2)										20/1	L	2216	B	1108	L	20/1	LTG. Rm# 501,502,509,511,514, 515,516 (15-1F8,4-2F8)										4
5	LTG. Rm# 550>>555,546,CORRID. 500A (9-2F8,10-1F2)										20/1	L	2355	C	1385	L	20/1	LTG. Rm# 525,526,527>>533, 547,548 (9-4F3,16-1F2)										6
7	LTG. Rm# 557,578,583,584,(23-3F9)										20/1	L	3047	A	2216	L	20/1	LTG. Rm# 534,542, (19-1F2)										8
9	LTG. CORRID. Rm#1500,543,545, 594,XFER AREA (10-2F8)										20/1	L	970	B	415	L	20/1	LTG. - OUTDOOR NEAR CP-7 TO TUNNEL (7-4FA4)										10
11	LTG. Rm# 586,587,602>>605,(12-4F8,2-2F8)										20/1	L	1385	C	831	L	20/1	LTG. - TUNNEL (8-4FA4)										12
13	- -										-	L	552	A	970	L	20/1	LTG. - CLOTHING STORAGE 1ST FLOOR (15-4FA4)										14
15	LTG. - SITE POLE#14										20/3	L	576	B	970	L	20/1	LTG. - OUTDOOR CANAFY NORTH (8-4FA4)										16
17	- -										-	L	1032	C	0		20/1	SPARE										18
19	(N) LRD FIXTURES IN NERSES AND INMATES STATION										20/1	L	600	A	0		20/1	SPARE										20
21	SPARE										20/1	L	0	B	0		20/1	SPARE										22
23	SPARE										20/1	L	0	C	0		20/1	SPARE										24
25	LTG. Rm# 575,601,609,612,613,615,617,620,621,606,607,608,(23-2F9, 4-1F8)										20/1	L	1939	A	963	L	20/1	LTG. Rm# 623,624,626,627,629,631,632,518>>524,(2-1F5,12-1F2)										26
27	LTG. Rm# 590,591,592, 633>>637,414/CORRID. 512, (8-2F8,15-1F2)										20/1	L	2216	B	1108	L	20/1	LTG.Rm# 501,502,509,511,514,515, 516, DRESS IN/OUT (13-1F8,4-2F8)										28
29	LTG. Rm# 559>>568,557,579,580,581,510, (9-3F4,18-3F5,2-3F8)										20/1	L	2493	C	1162	L	20/1	LTG. Rm# 527>>533,526,526,547548 (6-4F3,7-1F2)										30
31	LTG. CORRID. Rm#500A,550>>556,546, (10-2F8,7-1F2)										20/1	L	1385	A	554	L	20/1	LTG. Rm# 534,542,(9-1F2)										32
33	LTG. CORRID. Rm#1500A,543,545,594,XFER AREA (15-2F8,3-1F2)										20/1	L	1385	B	277	L	20/1	LTG. - TUNNEL (5 -4FA4)										34
35	LTG. Rm#586,587,599,600,602,603,604,605, (11-4F8,3-2F8)										20/1	L	1939	C	416	L	20/1	LTG. - OUTDOOR CP-7 TO TUNNEL (7 -4FA4)										36
37	- -										-	L	576	A	693	L	-	LTG. - CLOTHING STORAGE 1ST FLOOR (9-4F15)										38
39	LTG. - SITE POLE#14										20/3	L	528	B	970	L	20/3	LTG. - OUTDOOR CANOPY NORTH (8 -4FA4)										40
41	- -										-	L	1080	C	50	L	-	OUTDOOR LIGHTING CONACTOR										42
										Type:	Connected		Demand		Ph.													
C										Computer	-		-		A		17511											
H										HVAC	-		-		B		12739											
K										Kitchen	-		-		C		14128											
L										Lighting	44,378		55,473															
M										Misc.	-		-															
R										Recept.	-		-															
										Total	44,378		55,473		= 67		Amps											

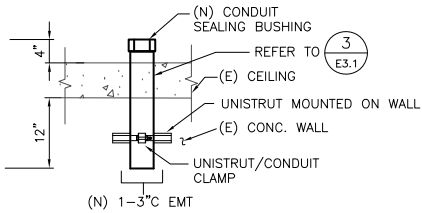
(E) PANELBOARD CLC1 Bus 100A Main 100A Lugs NEMA				Voltage 208/120V, 3PH, 4W KAC Location CORE ROOM #1588 Mounting SURFACE				2		
Ckt.	Description	CB	Type	Load	Ph.	Load	Type	CB	Description	Ckt.
1	WASHING MACHINE	20/2			A			.-		2
3	.-	.-			B		100/3		MAIN BREAKER	4
5	EXHAUST FAN - EC - 40	20/1	H	600	C			.-	.-	6
7	RECEPTACLES - FOO CARTROOM# 1526	20/2	R	1310	A	1310	R	20/2	RECEPTACLES - FOO CART ROOM# 1526	8
9	.-	.-	R	1310	B	1310	R	.-	.-	10
11	SPACE	20/1		0	C	0		20/1	SPARE	12
13	RECEPTACLES - (4) ROOM# 1594,1596,1598	20/1	R	720	A	1544	R	20/1	DRINKING FOUNTAIN -ROOM#1577,1614,1414	14
15	RECEPTACLES - (5) OUTDOOR ITR BUS AREA	20/1	R	920	B	180	R	20/1	RECEPTACLE, PRINTER NURSES STATION	16
17	RECEPTACLES - (1) ROOM# 1590 TLTVISION	20/1	R	180	C	180	R	20/1	RECEPTACLE, NURSES STATION	18
19	FAN MOTOR AND FIRE SMOKE DAMPE NURSES STATION	20/1	H	1200	A	4150	M	50/2	INSTANT HOT	20
21	RECEPTACLES, UNDER COUNTER NURSES STACTION	20/1	R	1500	B	4150	M		.-	22
23	RECEPTACLES, UNDER COUNTER NURSES STACTION	20/1	R	180	C			20/1	SPACE	24
25	RECEPTACLE, ABOVE COUNTER NURSES STATION	20/1	R	180	A			20/1	SPACE	26
27	RECEPTACLE, ABOVE COUNTER NURSES STATION	20/1	R	180	B			20/1	SPACE	28
29	RECEPTACLE, ABOVE COUNTER NURSES STATION	20/1	R	180	C			20/1	SPACE	30
		Type:	Connected	Demand		Ph.				
		C	Computer	-	-	A		10414		
		H	HVAC	1,800	2,400	B		9550		
		K	Kitchen	-	-	C		1300		
		L	Lighting	-	-					
		M	Misc.	8,300	8,300					
		R	Recept.	11,184	10,592					
			Total	21,284	21,292	=	59.10	Amps		

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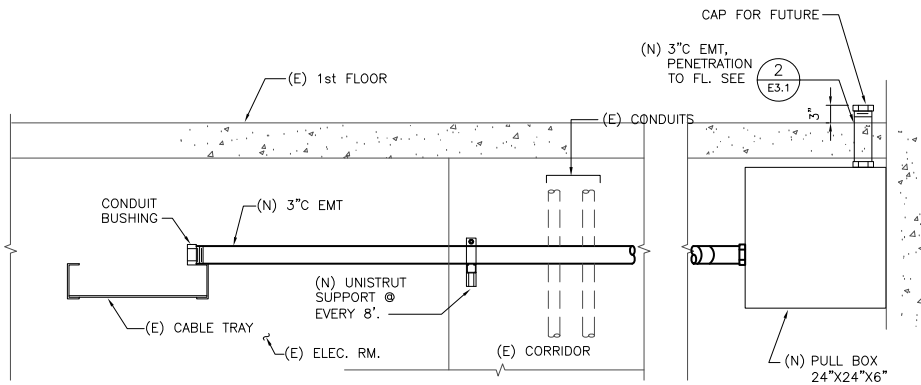


BASIS OF DESIGN UL ASSEMBLY C-AJ-1008

1 CONDUIT PENETRATION FOR CONCRETE WALLS (TYP)
E3.1 N.T.S

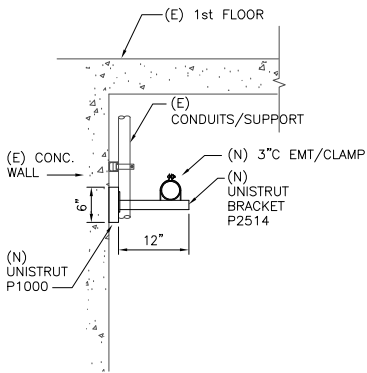


2 SECTION
E3.1 N.T.S

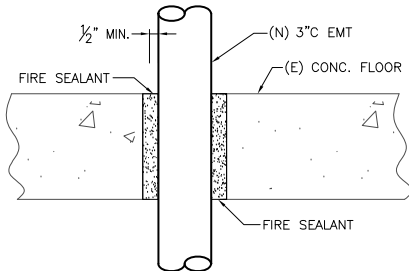


ELEVATION

3 SECTION (TYP)
E3.1 N.T.S



SIDE VIEW



BASIS OF DESIGN UL ASSEMBLY C-AJ-1008

4 CONDUIT PENETRATION FOR CONCRETE FLOOR (TYP)
E3.1 N.T.S

SHEET NOTES:

1- ALL CONDUIT PENETRATIONS FOR CONCRETE OR CMU WALLS SHALL USE DETAIL 3/E4.20 AND ALL FLOOR PENETRATIONS SHALL USE DETAIL 4/E4.20. REFER TO 07 8419 PENETRATION FIRESTOPPING FOR PENETRATION OF ALL OTHER WALL OR FLOOR CONDITIONS.

Revisions	Date	By
100% CD	02/15/19	AK



General Services Agency of Alameda County

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(510) 208-9551
(510) 208-3995 Fax

CONSULTANTS:



SEAL & SIGNATURE

AGENCY APPROVAL:

ALAMEDA COUNTY
SANTA RITA JAIL






NURSE'S STATION
UPGRADE

5325 BRODER BLVD.
DUBLIN, CALIFORNIA

DRAWING TITLE

ELECTRICAL SECTIONS
AND DETAILS

Floor Number:	
Date:	FEBRUARY 15, 2019
Scale:	N/S
Drawn:	P. WINGARD
Checked:	G.CHEUNG
Building:	SANTA RITA JAIL
Job:	YEI #1809
Sheet:	

DEVICE AND WIRING LEGEND			
SYMBOL	DESCRIPTION	WIRING	NOTES
	MULTI-CALL LAMP (SURFACE MOUNT AT EXISTING LAMP LOCATION)	4 PAIR #18AWG	
	HELP/DURESS BUTTON (+4" ABOVE COUNTER)	1 PAIR #18AWG	
	HELP BUTTON ANNUNCIATOR W/ POWER SUPPLY	1 PAIR #18AWG PER ZONE	
	JUNCTION BOX	N/A	
	MULTI-CALL LAMP BUTTONS (+4" ABOVE COUNTER)	4 PAIR #18AWG	

SHEET LIST	
Sheet Number	Sheet Name
LV0.1	LV SYSTEMS SYMBOLS LEGEND AND SHEET INDEX
LV1.1	LV SYSTEMS NURSE CALL DEVICE PLAN
LV2.1	PARTIAL FIRST FLOOR LV SYSTEMS DEVICE PLAN
LV2.2	PARTIAL SECOND FLOOR LV SYSTEMS DEVICE PLAN

SCOPE OF WORK	
1.	PROVIDE, PROGRAM, CONFIGURE, AND TEST FULLY FUNCTIONAL AND COMPLETELY OPERATIONAL SYSTEMS IN ACCORDANCE WITH CONTRACT DOCUMENTS INCLUDING CONSTRUCTION DRAWINGS AND SPECIFICATIONS.
2.	PROVIDE ALL WIRING, CABLING, DEVICES, CONNECTIONS, TERMINATIONS, PROGRAMMING, AND COORDINATION REQUIRED FOR FULLY FUNCTIONAL AND COMPLETELY OPERATIONAL SYSTEMS.
3.	PROVIDE ALL CONDUIT, BACK BOXES, JUNCTION BOXES, AND PULL BOXES REQUIRED FOR FULLY FUNCTIONAL AND COMPLETELY OPERATIONAL SYSTEMS IN COMPLIANCE WITH APPLICABLE CODES.
4.	PROVIDE ANY CUSTOM BACKBOXES REQUIRED.
5.	INCLUDE FINAL CONNECTIONS, TERMINATIONS, PROGRAMMING, CONFIGURATION, TRAINING, COMMISSIONING, AND TESTING OF THE SYSTEMS.
6.	CONTRACTOR SHALL INCLUDE ATTENDANCE AT CONSTRUCTION COORDINATION AND OTHER REQUIRED PROJECT MEETINGS.
7.	RE-USE EXISTING SYSTEM BACKBOXES AND CONDUIT WHERE POSSIBLE.
8.	INCLUDE COORDINATION OF WORK WITH OWNER.

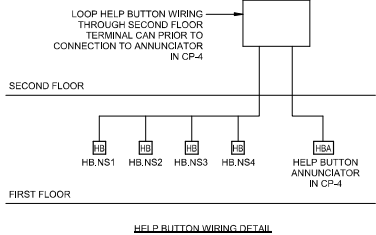
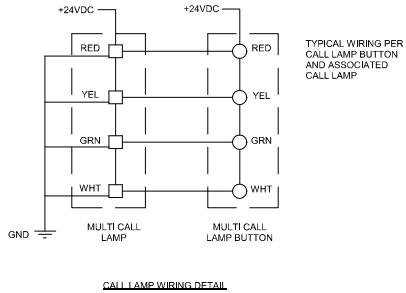
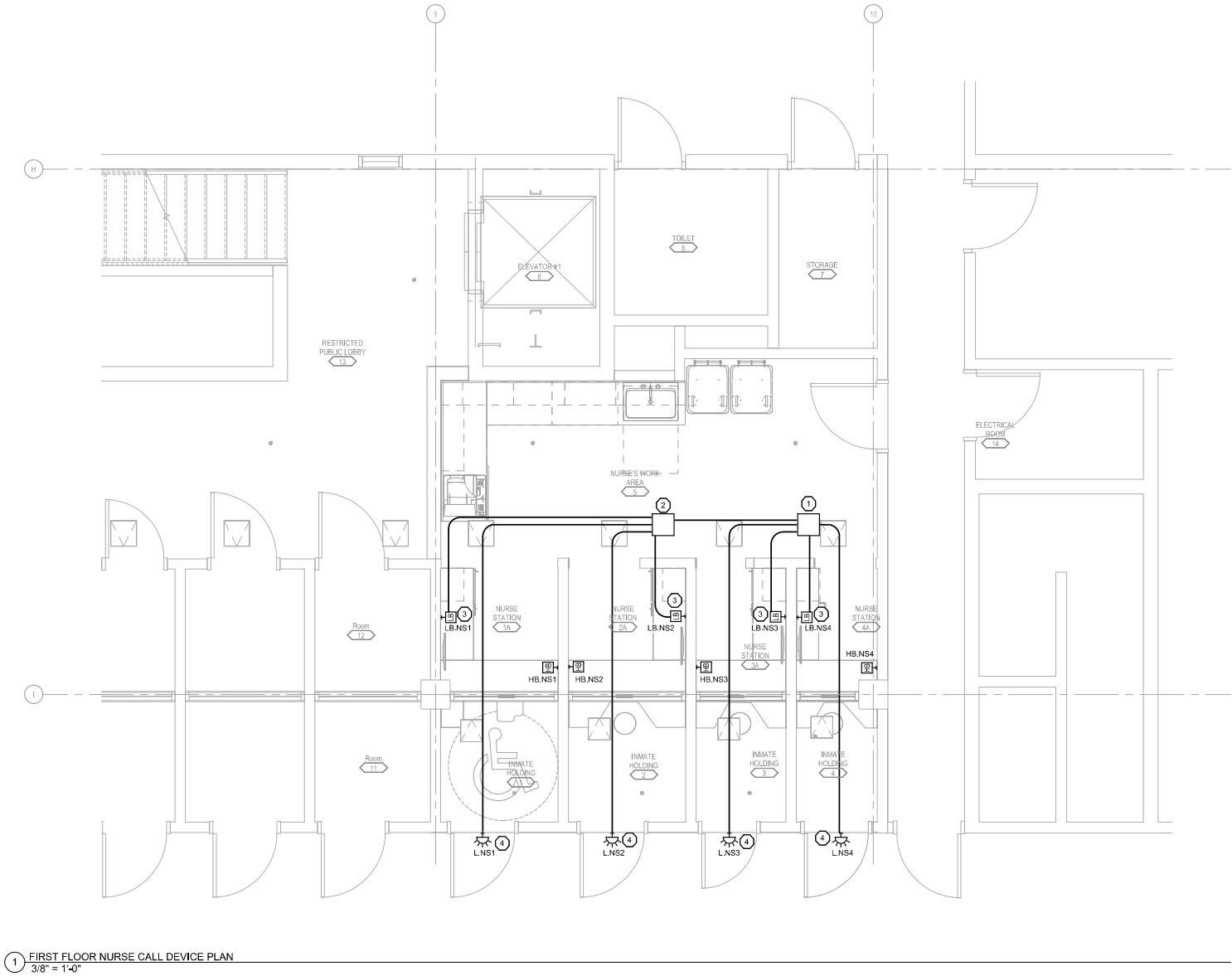
ABBREVIATIONS	
<u>DEVICES</u>	<u>OTHER</u>
E - EXISTING	A.F.F. - ABOVE FINISHED FLOOR
E/R - EXISTING/REPLACE	FBO - FURNISHED BY OTHERS
E/REM - EXISTING/REMOVE	F.O.V. - FIELD OF VIEW
N - NEW	N/A - NOT APPLICABLE
	NS - NURSES STATION
<u>WIRING</u>	NTS - NOT TO SCALE
SH - SHIELDED	RECP - RECEPTION
TW - TWISTED	S.O.C. - SECURITY OPERATIONS CENTER
	TBD - TO BE DETERMINED
	UCM - UNLESS OTHERWISE NOTED
	VIF - VERIFY IN FIELD
	WP - WEATHER PROOF

GENERAL NOTES	
1.	PROVIDE SYSTEM WIRING IN CONDUIT. PROVIDE DEDICATED 20 AMP CIRCUIT AT DESIGNATED LOCATIONS.

INSTALLATION NOTES	
1.	ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE CALIFORNIA ELECTRICAL CODE AND ALL APPLICABLE LOCAL CODES. THE CONTRACTOR SHALL NOT INTERMIX ANY HIGH VOLTAGE POWER WIRES (120VAC) WITH ANY LOW VOLTAGE SIGNAL OR CONTROL WIRES IN ANY CONDUIT.
2.	VERIFY ALL FIELD DIMENSIONS AND CONDITIONS, NOTIFY ARCHITECT OF ANY DISCREPANCIES FOUND. VERIFY DIMENSIONS OF ALL OWNER FURNISHED EQUIPMENT & SERVICES TO ENSURE PROPER COORDINATION WITH CONSTRUCTION.
3.	SCHEDULE ALL WORK, INCLUDING CONSTRUCTION ACCESS AND STORAGE, WITH THE OWNER OR THOSE DESIGNATED BY THE OWNER. THE CONSTRUCTION SCHEDULE SHALL BE APPROVED BY THE OWNER PRIOR TO THE START OF CONSTRUCTION.
4.	ALL UTILITIES REQUIRED FOR THE CONTINUOUS OPERATION OF ALL EXISTING FACILITIES MUST BE MAINTAINED IN SERVICE AT ALL TIMES (IF APPLICABLE).
5.	CONTRACTOR SHALL PROVIDE DUST PROTECTION AS REQUIRED TO CONTAIN DUST AND DEBRIS WITHIN CONSTRUCTION AREA. BROOM CLEAN ALL AREAS EACH DAY.
6.	COORDINATE WITH THE OWNER TO DETERMINE IF REMOVED ITEMS (IF APPLICABLE) WILL BE KEPT BY THE OWNER. COORDINATE A STORAGE LOCATION AND DELIVER AS DIRECTED BY THE OWNER. DISPOSAL OF OLD EQUIPMENT SHALL BE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL LAWS.
7.	WORK SHALL BE EXECUTED IN A CAREFUL AND ORDERLY MANNER WITH THE LEAST POSSIBLE DISTURBANCE TO THE PUBLIC AND OCCUPANTS OF EXISTING BUILDINGS. INTERRUPTING PERSONNEL AT WORK AS A RESULT OF THIS UNDERTAKING SHALL ALWAYS BE KEPT TO A MINIMUM. CONTRACTOR SHALL PROVIDE TRAFFIC AND SAFETY SIGNS AND BARRIERS WHERE NECESSARY. NO POWER LINE IN THE BUILDING SHALL BE SHUT DOWN UNLESS REQUESTED AND APPROVED BY THE OWNER IN ADVANCE.
8.	THE CONTRACTORS AND SUBCONTRACTORS PERFORMING WORK ON PREMISES SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING AND SUPERVISING A REASONABLE AND PRUDENT SAFETY PROGRAM INCLUDING, BUT NOT LIMITED TO, THE ISOLATION OF WORK AREAS AND THE PROMPT REMOVAL OF ANY DEBRIS OR TOOLS WHICH MIGHT ENDANGER VISITORS OR EMPLOYEES OF THE FACILITY. ALL ROADS AND WALKWAYS SHALL REMAIN CLEAR AND UNOBSTRUCTED. WHEN NECESSARY ALTERNATE ROUTES MUST BE MAINTAINED, SHOULD UNSAFE CONDITIONS OCCUR.
9.	COORDINATION WITH OTHER CONTRACTORS: IF ANY PART OF THE CONTRACTORS WORK DEPENDS UPON THE WORK OF A SEPARATE CONTRACTOR, THIS CONTRACTOR SHALL INSPECT SUCH OTHER WORK AND PROMPTLY REPORT IN WRITING TO THE PROJECT ARCHITECT ANY DEFECTS IN SUCH OTHER WORK THAT RENDER IT UNSUITABLE TO RECEIVE THE WORK OF THIS CONTRACTOR. FAILURE TO INSPECT AND REPORT SHALL CONSTITUTE AN ACCEPTANCE OF THE OTHER CONTRACTOR'S WORK EXCEPT AS TO DEFECTS WHICH DEVELOP IN OTHER CONTRACTOR'S WORK AFTER EXECUTION OF THIS CONTRACTOR'S WORK.
10.	THE CONTRACTOR SHALL ALWAYS MAINTAIN, AT THE JOB SITE, UPDATED "AS-BUILT" DRAWINGS. THESE DRAWINGS SHALL BE AVAILABLE TO THE ARCHITECTS, INSPECTORS OR THE OWNERS UPON REQUEST.
11.	NO CABLE RUN SHALL BE SPICED UNLESS TWO OR MORE DEVICES ARE CONNECTED TO THE SAME CIRCUIT OR THE DEVICE IS PROVIDED FROM THE FACTORY WITH PIGTAIL WIRES. WHERE SPICING IS REQUIRED, THE SPICE SHALL BE SOLDERED AND TAPED. IT SHALL BE DONE WITHIN A SPECIAL TERMINAL BOX, AT THE BACK BOX OR AT THE DEVICE TERMINAL LUGS. ALL SPICE BOXES MUST BE IN ACCESSIBLE AREAS AND CLEARLY MARKED ON THE AS-BUILT DRAWINGS.
12.	ALL WIRES SHALL BE COLOR CODED AND SHALL BE CONNECTED IN A UNIFORM MANNER. TRANSPOSING OR CHANGING OF COLOR CODES SHALL NOT BE PERMITTED. WIRE AND CABLE SIZES, NUMBER OF CONDUCTORS, SHIELDING OR OTHER ITEMS LISTED ON THESE DRAWINGS ARE A GUIDE TO THE CORRECT PRODUCT REQUIRED TO ACHIEVE A WORKING SYSTEM AND REPRESENT THE MINIMUM ACCEPTABLE STANDARDS. CONTRACTOR SHALL CONSULT MANUFACTURER'S RECOMMENDATION FOR CABLING AND USE WHICHEVER IS GREATER IN QUALITY, QUANTITY, GAUGE, SHIELDING AND NUMBER OF CONDUCTORS.
13.	ALL WIRING, INCLUDING SHIELDS, MUST BE FREE OF SHORTS, GROUNDS AND STRAY VOLTAGES. ALL EXPOSED SURFACE MOUNTED CABLE UNDER 12" A.F.F. SHALL BE IN CONDUIT.
14.	CABLING SHALL BE PLENUM CABLE. EXPOSED OR EXTERIOR CABLE SHALL BE IN CONDUIT. INSTALL CABLE ON J HOOKS.
15.	A PRE-PRINTED VINYL MATERIAL MARKER WRAPPED IN ADHESIVE CLEAR PLASTIC SHALL BE PROVIDED TO THE FOLLOWING: A. CABLES WITHIN 6" UPON ENTRY AT ANY NURSE CALL PANEL, TERMINATION OR SPICE BOX. B. ALL WIRE LEADS WITHIN 2" FROM ANY TERMINAL BLOCK. C. THE CONTRACTOR SHALL SUBMIT SAMPLES OF MARKERS AND ANY NUMBERING OR MARKING SYSTEM FOR REVIEW PRIOR TO IMPLEMENTATION.
16.	ALL NEW ELECTRICAL POWER SUPPLIED TO EQUIPMENT OR DEVICES SHALL BE ON A DEDICATED CIRCUIT. ALL CONDUCTORS AND CIRCUIT BREAKERS SHALL BE SIZED IN ACCORDANCE WITH THEIR CONNECTED LOADS (20 AMP MINIMUM). A GROUND CONDUCTOR SHALL ALWAYS BE INSTALLED IN ANY POWER WIRING. ALL NURSE CALL EQUIPMENT UTILIZING ELECTRICAL POWER SHALL ALSO BE ADEQUATELY GROUNDED.
17.	WHERE A NEW CIRCUIT IS TAKEN FROM A PANEL, BOARD UTILIZED FOR OTHER ELECTRICAL PURPOSES, THE BRANCH CIRCUIT BREAKER FOR NURSE CALL EQUIPMENT SHALL BE LOCKABLE TYPE TO PREVENT ANY ACCIDENTAL SWITCH-OFF. NO NURSE CALL CIRCUIT IS TO BE SHARED WITH NON NURSE CALL EQUIPMENT.
18.	PROPERLY SEAL ALL CONDUIT OR SLEEVE PENETRATIONS THROUGH ALL WALLS, FLOORS AND CEILINGS USING APPROVED FIRE STOPPING MATERIALS AND SEALANTS REGARDLESS OF RATING AND AS PER APPLICABLE BUILDING CODES.
19.	FIELD VERIFY EXACT ROUTING OF EXISTING CONDUIT PRIOR TO INSTALLATION.
20.	PROVIDE PULL STRINGS IN ALL CONDUITS, PROVIDE BLANK COVERS ON ALL JUNCTION AND PULL BOXES.
21.	ALL CONDUITS AND CABLE PATHS SHALL RUN PARALLEL WITH OR AT RIGHT ANGLES TO THE WALLS. IF MORE THAN THREE 90 DEGREE BENDS ARE TO BE USED IN THE CONDUIT RUN, INSERT A PULL BOX. CONTRACTOR SHALL SIZE THE BOX ACCORDINGLY. CONDUITS SHALL BE SIZED AS INDICATED ON THE DRAWINGS OR LARGER AS REQUIRED TO COMPLY WITH CODE. MINIMUM ALLOWABLE CONDUIT SIZE SHALL BE 3/4"
22.	SHALL CLEAN AND THOROUGHLY CHECK ALL INSTALLED WORK PRIOR TO CONCEALING OF ARCHITECTURAL FINISHING. CLEAN ALL EXPOSED SURFACES AND NEW EQUIPMENT AFTER COMPLETION. THE CONTRACTOR SHALL ALSO REPAIR OR CLEAN ALL SOILED SURFACES, PAINTED SURFACES OR DAMAGED ARCHITECTURAL FINISHES TO MATCH THE ADJACENT AREA, WHERE REQUIRED. CLEANING, PATCHING OR PAINTING TO BRING THE AFFECTED SURFACE OR FINISH BACK TO ITS ORIGINAL CONDITION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
23.	ALL DEVICES AND EQUIPMENT SHALL BE INSTALLED WITH CONSIDERATION TO BARRIER FREE ACCESSIBILITY.
24.	EXACT CABLE ROUTING TO SYSTEM DEVICES SHALL BE SHOWN ON THE CONTRACTOR SHOP DRAWINGS.
25.	WHERE THE CONTRACTOR HAS TO CHANGE ANY DEVICE TYPE OR MOUNTING TO SUIT ACTUAL CONDITIONS, THIS SHALL BE DONE WITHOUT EXTRA COST TO THE OWNERS. THIS INCLUDES ANY ADDITIONAL PART TO BE SUPPLIED BY THE CONTRACTOR TO ACCOMPLISH PROPER MOUNTING OF A DEVICE. HOWEVER, IT SHALL BE REQUESTED, SUBMITTED AND APPROVED IN WRITING BEFORE COMMENCING THE WORK.
26.	THE CONTRACTOR SHALL UNDERTAKE THIS WORK IN ITS ENTIRETY IN ACCORDANCE WITH ITS DESIGN AND PURPOSE. ALL WORK SHALL BE CARRIED OUT IN A PROFESSIONAL MANNER WITH MAXIMUM EFFICIENCY AND EXCELLENT WORKMANSHIP.
27.	THE CONTRACTOR SHALL INCLUDE ANY COORDINATION, RELAYS, TIMERS, TERMINAL STRIPS, ETC., REQUIRED FOR A COMPLETELY FUNCTIONAL SYSTEM.
28.	IN THE EVENT OF A DISCREPANCY BETWEEN THE SPECIFICATIONS AND THE DRAWINGS, WHICHEVER IS MORE STRINGENT OR CALLS FOR THE HIGHEST QUANTITY OR QUALITY OF MATERIALS HAS PRECEDENCE.
29.	THE USE OF THE WORD "PROVIDE" IN CONNECTION WITH ANY ITEM SPECIFIED, IS INTENDED TO MEAN THAT SUCH SHALL BE FURNISHED, INSTALLED AND CONNECTED, WHERE SO REQUIRED, EXCEPT AS NOTED OTHERWISE.
30.	PRIOR TO SUBMITTAL OF BID, NOTIFY, IN WRITING, SPECIFIED MATERIALS OR EQUIPMENT WHICH ARE EITHER UNAVAILABLE OR WILL CAUSE A DELAY IN CONSTRUCTION COMPLETION SCHEDULE.
31.	SEE ELECTRICAL PLANS FOR LOCATION OF 120VAC POWER CIRCUITS.
32.	REFER TO ARCHITECTURAL PLANS FOR FIRE-STOPPING DETAILS.



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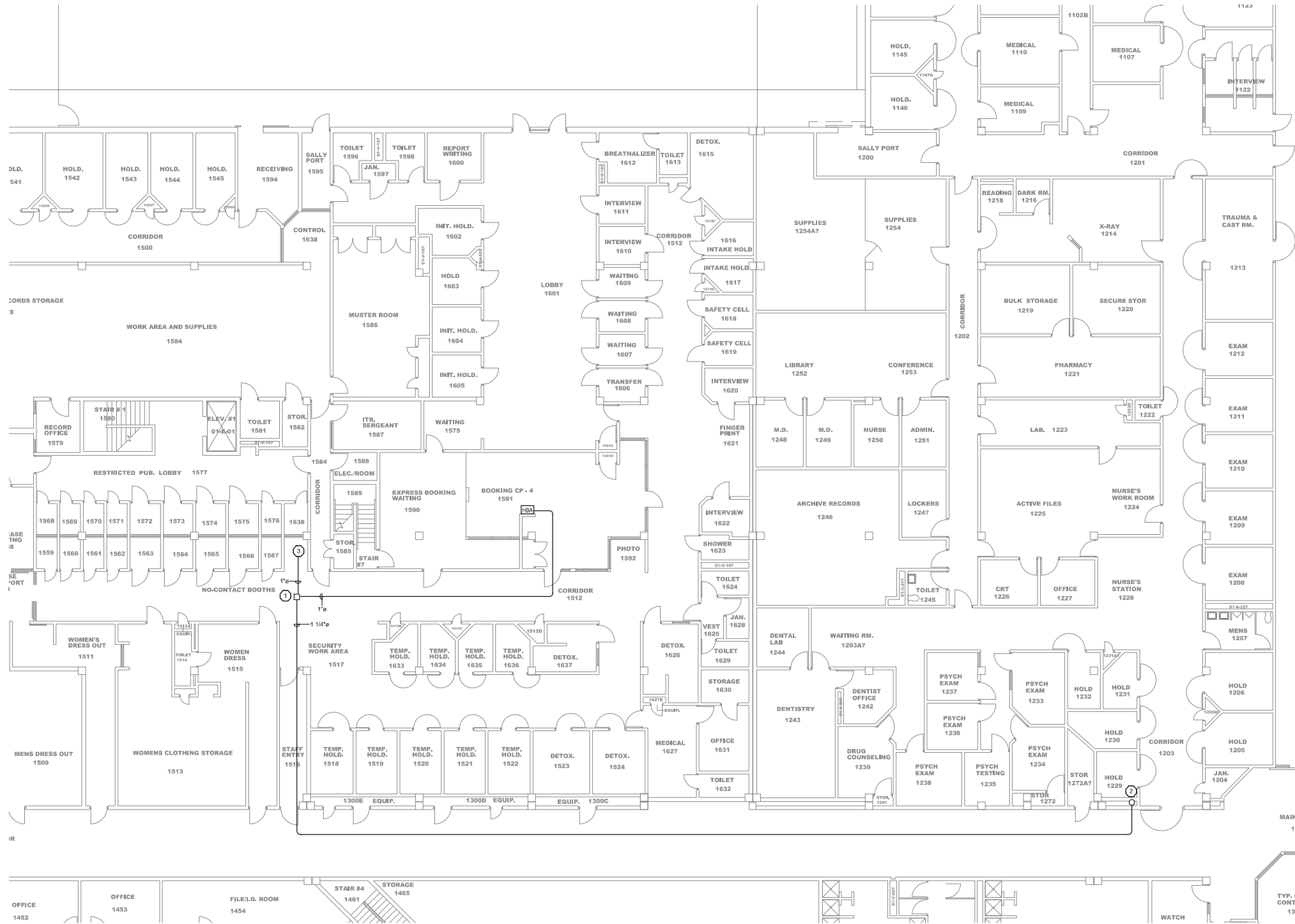


SHEET KEYNOTES:

- 1 MULTI-LAMP/CALL BUTTON POWER SUPPLY. MOUNT ABOVE CEILING
- 2 TERMINAL CAN ABOVE CEILING
- 3 PROVIDE SURFACE MOUNTED RACEWAY TO ABOVE CEILING. EXTEND CONDUIT TO TERMINAL CAN (TYPICAL).
- 4 DEMOLISH EXISTING DOOR LAMP AND INSTALL NEW MULTI LAMP IN SURFACE MOUNT BOX. EXTEND RACEWAY TO TERMINAL CAN

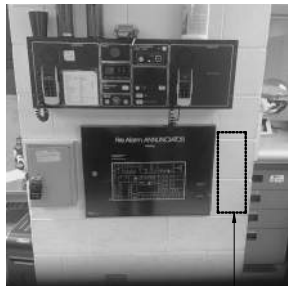


1 PARTIAL FIRST FLOOR LV SYSTEMS DEVICE PLAN
1/8" = 1'-0"



SHEET KEYNOTES:

- 1 TERMINAL CAN ABOVE CEILING
- 2 UP TO SECURITY ELECTRONICS EQUIPMENT ROOM
- 3 TO HELP BUTTONS



2 HELP BUTTON ANNUNCIATOR LOCATION
NTS



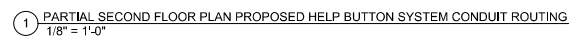
1 DOWN TO FIRST FLOOR

53255 BRODER BLVD,
DUBLIN, CA 94568

53255 BRODER BLVD, DUBLIN, CA 94568

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