

FILE PATH & NAME: P:\A000443 VMC MAMMOGRAPHY EQUIPMENT DRAWINGS\T-TITLESHEET.DWG PLOTTED: 11:15 AM

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ABBREVIATIONS

AL. SL.	ALUMINUM SLIDER	(N)	NORTH
ALT.	ALTERNATE	N.A.	NOT APPLICABLE
A.T.	ACOUSTIC TITLE	N.I.C.	NOT IN CONTRACT
BD.	BOARD	O.C.	ON CENTER
CLG.	CEILING	Q.T.	QUARRY TILE
COL.	COLUMN	R.A.	RETURN AIR
CONC. OR CNC.	CONCRETE	RDWD.	REDWOOD
COND.	CONDITION	REF.	REFRIGERATOR
CPT.	CARPET	REV.	REVISED
DBL.	DOUBLE	R.T.S.	RUBBER TOP SET
DN.	DOWN	S.	SOUTH
DS.	DOWNSPOUT	SHT.	SHEET
DTL.	DETAIL	SIM.	SIMILAR
E.	EAST	S & P	SHELF AND POLE
EA.	EACH	SPECS.	SPECIFICATIONS
ELEC.	ELECTRICAL	T.	THERMOSTAT
EXH.	EXHAUST	T.C.	TIME CLOCK
EXP.	EXPOSED STRUCTURE	T.O.PL.	TOP OF PLATE
EXT.	EXTERIOR	TYP.	TYPICAL
FIN. FLR.	FINISH FLOOR	U.O.N.	UNLESS OTHERWISE NOTED
F. GL.	FIXED GLASS	U.N.O	UNLESS NOTED OTHERWISE
GA.	GAUGE	V.	VARIES
GYP. BD. OR G.B.	GYPSUM BOARD	V.W.C.	VINYL WALL COVERING
H.B.	HOSE BIBB	W.	WEST
HI.	HIGH	W/	WITH
HT.	HEIGHT	W.C.	WATER CLOSET
HR.	HOJR	WD/	WOOD
INT.	INTERIOR	W/H	WATER HEATER
JST.	JOIST	W.P.	WATERPROOF
LAV.	LAVATORY	WT	WEIGHT
LT.	LIGHT	O	ROUND
M.E.	METAL EDGE	#	NUMBER
MET	METAL	@	AT

GENERAL NOTES

PROJECT SCOPE
ALTERATIONS TO AND EXISTING SPC-1, NPC-2 HOSPITAL BUILDING AS FOLLOWS:
THE PROJECT SCOPE CONSISTS OF THE CONSTRUCTION OF TWO MAMMOGRAPHY ROOMS IN AN AREA PREVIOUSLY USED AS AN ANGIOGRAPHY ROOM. ADDITIONALLY, A NEEDLE BIOPSY ROOM WILL BE CONSTRUCTED IN A VACATED AND UNPROGRAMMED ROOM PREVIOUSLY USED FOR STORAGE. HANDICAP ACCESSIBLE DRESSING ROOMS WILL BE ADDED (TO COMPLY WITH 1224.10.6.2) ALONG WITH MODIFICATION TO EXISTING TOILET ROOMS TO PROVIDE AN ACCESSIBLE PATIENT TOILET ROOM (TO COMPLY WITH 1224.10.6.1) AND A STAFF TOILET ROOM (TO COMPLY WITH 1224.10.6.3).

APPLICABLE CODES:
2010 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR))
2007 CALIFORNIA BUILDING CODE (PART 2, TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR) (2006 IBC AND 2007 CALIFORNIA AMENDMENTS))
2007 CALIFORNIA ELECTRICAL CODE (PART 3, TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR) (2005 NEC AND 2007 CALIFORNIA AMENDMENTS))
2007 CALIFORNIA MECHANICAL CODE (PART 4, TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR) (2006 NEC AND 2007 CALIFORNIA AMENDMENTS))
2007 CALIFORNIA PLUMBING CODE (PART 5, TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR) (2005 NEC AND 2007 CALIFORNIA AMENDMENTS))
2007 CALIFORNIA FIRE CODE (PART 9, TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR) (2005 NEC AND 2007 CALIFORNIA AMENDMENTS))

CONSTRUCTION TYPE:

BUILDING NUMBER	BUILDING NAME	CONSTRUCTION COMPLETION DATE	CONSTRUCTION TYPE
304	FAINER WING	1984	TYPE IA
305	MAIN HOSPITAL	1951	TYPE IB
306	MAIN HOSPITAL	1919	TYPE IB
367	TELEPHONE BUILDING	1984	TYPE IA
368	CAT SCAN	1996	TYPE VA
404	LAB/KITCHEN	2005	TYPE IA
403	CAFETERIA	2005	TYPE IA

OCCUPANCY:

BUILDING NUMBER	PRIMARY OCCUPANCY
304	I-208
305	I-208
306	I-208
367	B
368	B
404	B
403	A2

USE AND AREAS

PROPOSED USE	EXISTING USE	AREA
NEEDLE BIOPSY ROOM	VACATED STORAGE ROOM	186 SQ. FT.
MAMMO ROOMS	VACATED ANGIO ROOM	367 SQ. FT.
DRESSING AREA	VACATED MAMMO ROOM	254 SQ. FT.
RESTROOMS	VACATED VENDING/STORAGE AREA	436 SQ. FT.

TEMPORARY INSTALLATIONS

Infection control measures during construction shall be implemented as required by the facility's infection control staff (Title 24, Part 1, Section 7-135). Prior to construction, all required temporary installations, including details of infection control measures such as temporary barriers/membranes, portable exhaust fans and temporary ductwork, must be shown on the plans or reviewed by OSHPD field staff. Temporary construction barriers must comply with Code Application Notice No. 9-8705.4. Temporary installations must not have a negative impact on existing systems nor cause unsafe conditions. Temporary installations shall maintain adequate egress in compliance with the 2007 CBC and shall not obstruct existing exits, create a fire hazard or reduce required fire resistance. Temporary ventilation systems shall not cause the air balance of adjacent rooms or spaces to be impacted or alter the performance of permanent building ventilation systems. Airflow measurements shall be taken to verify adjacent rooms or spaces are not impacted. (Code Application Notice No. 2-34)

OSHPD REQUIREMENTS FOR REMODELING

The intent of the drawings and specifications is to reconstruct the hospital building in accordance with the California Building Standards Code, the 2007 edition of Title 19 & 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 said Title 24, California Code of Regulations, a change order detailing and specifying the required work shall be submitted to and approved by OSHPD before proceeding with the work.

Copy of the OSHPD pre-approved documents must be made available at the job site at all times. Installation of pre-approved items must be done in strict accordance with the pre-approved documents. Identify manufacturer's name and model no., if applicable.

Anchorage of all equipment to be installed, as a part of this project shall be detailed on the appropriate plans, except for the following:

- Fixed equipment weighing less than 400 pounds supported by the floor or roof.
- Temporary or movable equipment.
- Equipment weighing less than 20 pounds supported by vibration isolators.
- Equipment weighing less than 20 pounds suspended from roof of floor or hung from a wall.

Some of the items in the categories listed above must be supported and anchored to resist the forces prescribed by Section 1632A and the anchorage shall be approved by the appropriate Design Professional of Record and OSHPD as a part of field reviews/observations. The Inspector of Record shall assure that the above requirements are enforced.

Prior to coring or drilling of concrete floor or wall structure, existing reinforcing bars shall be located by non-destructive means. Do not damage existing reinforcing bars in any way, unless so detailed on these plans.

LATERAL FORCE DESIGN CRITERIA FOR NONSTRUCTURAL COMPONENTS & EQUIPMENT

Per C.B.C. Section 3403A.2.4.4, Exception #2 and #3

For existing SPC-1 & NPC-2 building, anchorage shall meet the requirements of Section 1630B of the 1995 CBC, with Importance Factor $I_p=1.0$

DEFERRED APPROVALS

- FIRE ALARM SYSTEM PER CBC 106.1.1.1. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW BY THE AOR PRIOR TO SUBMITTING TO OSHPD FOR APPROVAL. OSHPD APPROVAL REQUIRED PRIOR TO CONSTRUCTION.

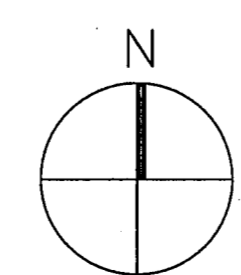
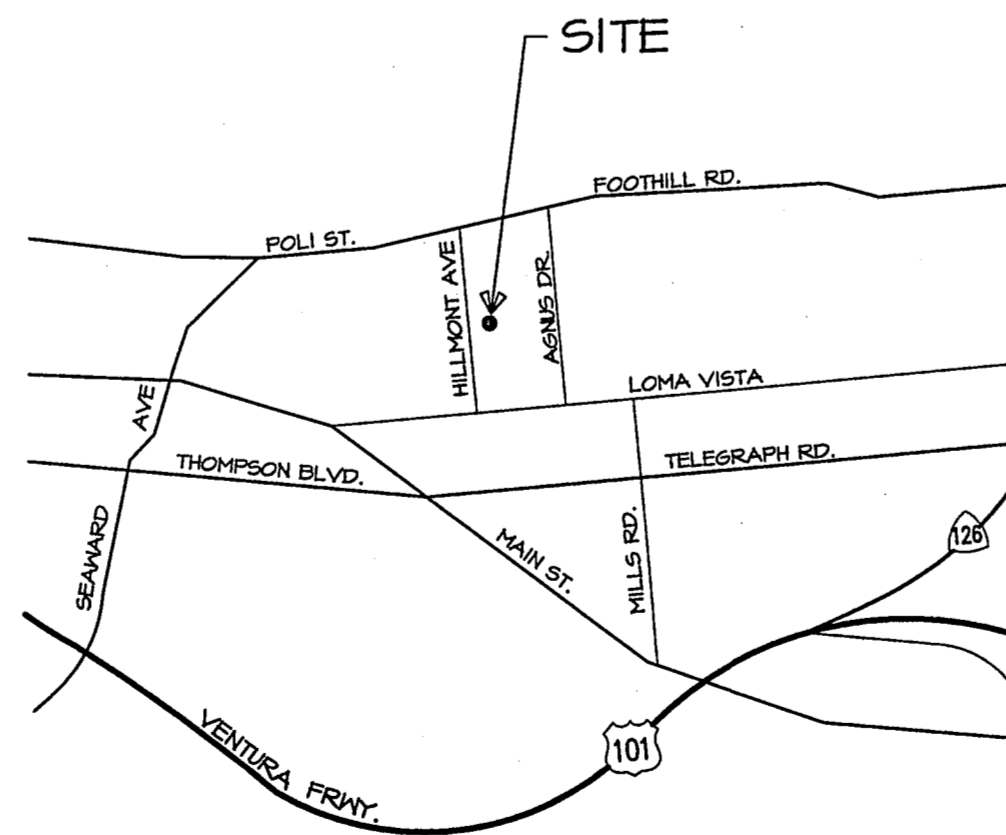
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A3.1	PARTIAL DEMO. FIRST FLOOR PLAN
A3.2	PARTIAL DEMO. REFLECTIVE CEILING PLAN
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VENTURA COUNTY MEDICAL CENTER MAMMOGRAPHY ROOMS & NEEDLE BIOPSY ROOM VENTURA, CALIFORNIA

	WINDOW TYPE
	DOOR CONSECUTIVE NUMBER
	ROOM CONSECUTIVE NUMBER
	INDICATES DETAIL NUMBER
	SHEET WHERE DETAIL IS DRAWN
	SECTION
	SHEET WHERE DETAIL IS DRAWN
	INTERIOR ELEVATION IDENTIFICATION
	SHEET WHERE INTERIOR ELEVATION IS DRAWN
	NUMBER OF CIRCLE CORRESPONDS TO NUMBER ON NOTE LEGEND
	LETTER IN OVAL CORRESPONDS TO WALL CONSTRUCTION TYPE
	NORTH ARROW, ORIENTATION TO TRUE NORTH
	REVISION CLOUD INDICATES AREA REVISED
	WORK POINT, CONTROL, ELEVATION OR DATUM POINT

	EARTH
	GRAVEL OR CRUSHED ROCK BASE
	ASPHALTIC CONCRETE PAVING
	CONCRETE
	MASONRY
	PLYWOOD
	WOOD, ROUGH OR DIM. LUMBER
	INSULATION
	PLASTER
	GYPSUM WALL BOARD

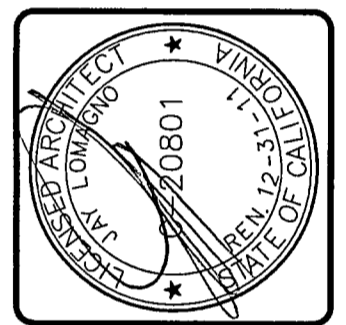


LIST OF SYMBOLS

MATERIALS LEGEND

VICINITY MAP

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 Santa Ana, California 92701
 (800) 646-1234



Sheet	TITLE SHEET		
Title	MAMMOGRAPHY ROOMS & NEEDLE BIOPSY ROOM		
Revisions	R&A No:	000443	
12-29-10 OSHPD CORR.	Date:	06-01-10	
03-30-11 OSHPD CORR.	Drawn:	CJH	
	Checked:	JLL	
	Consult:	No.	

O.S.H.P.D. PROJECT #SL101318-56
 REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
 APPROVED
 APR 05 2011
 Office of Statewide Health Planning & Development
 FACILITIES DEVELOPMENT DIVISION

COUNTY OF VENTURA
 PUBLIC WORKS AGENCY
 ENGINEERING SERVICES DEPARTMENT

HEALTH CARE AGENCY <i>Andie Cole</i>	DEPUTY DIRECTOR
PROJECT MANAGER <i>[Signature]</i>	DIRECTOR <i>[Signature]</i>
SPEC. NUMBER CP11-05	SHEET 1 OF 31
PROJECT NUMBER ENT11103	DRAWING NUMBER 113544

**MAMMOGRAPHY ROOMS
& NEEDLE BIOPSY ROOM**
VENTURA COUNTY MEDICAL CENTER
 3291 LOMA VISTA ROAD
 VENTURA, CALIFORNIA

Sheet No.
T

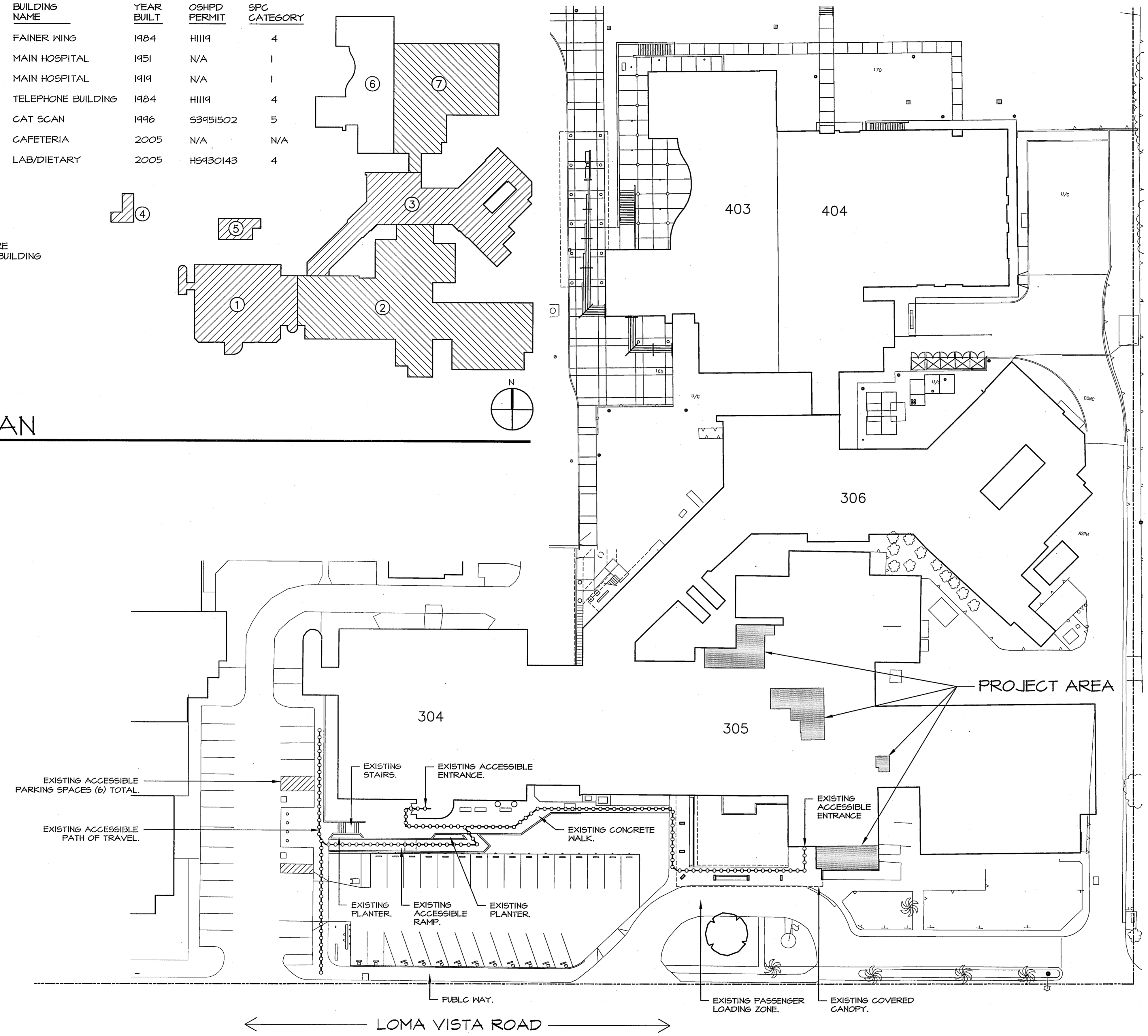
FILE PATH & NAME: P:\0000443 VCMC MAMMOGRAPHY EQUIPMENT\DRAWINGS\A1.0-SITE PLANDWG PLOTTED: 3:45 PM

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KEY PLAN No.	BUILDING NUMBERS	BUILDING NAME	YEAR BUILT	OSHPD PERMIT	SFG CATEGORY
①	304	FAINER WING	1984	H1119	4
②	305	MAIN HOSPITAL	1951	N/A	1
③	306	MAIN HOSPITAL	1919	N/A	1
④	361	TELEPHONE BUILDING	1984	H1119	4
⑤	368	CAT SCAN	1996	S3951502	5
⑥	403	CAFETERIA	2005	N/A	N/A
⑦	404	LAB/DIETARY	2005	H5930143	4

LEGEND
 ACUTE CARE HOSPITAL BUILDING

KEY PLAN



PARTIAL SITE PLAN
 SCALE 1" = 30'-0"

NOTE LEGEND

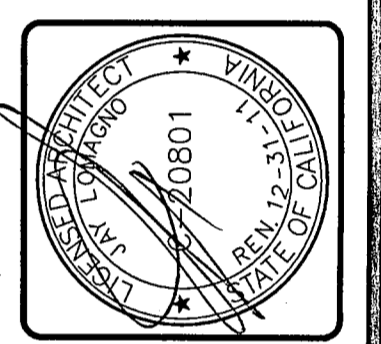
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PROJECT MANAGER
 SPEC. NUMBER CP11-05 SHEET 2 OF 31
 PROJECT NUMBER ENT 11103 DRAWING NUMBER 113550

MAMMOGRAPHY ROOMS & NEEDLE BIOPSY ROOM
 VENTURA COUNTY MEDICAL CENTER
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 VENTURA, CALIFORNIA

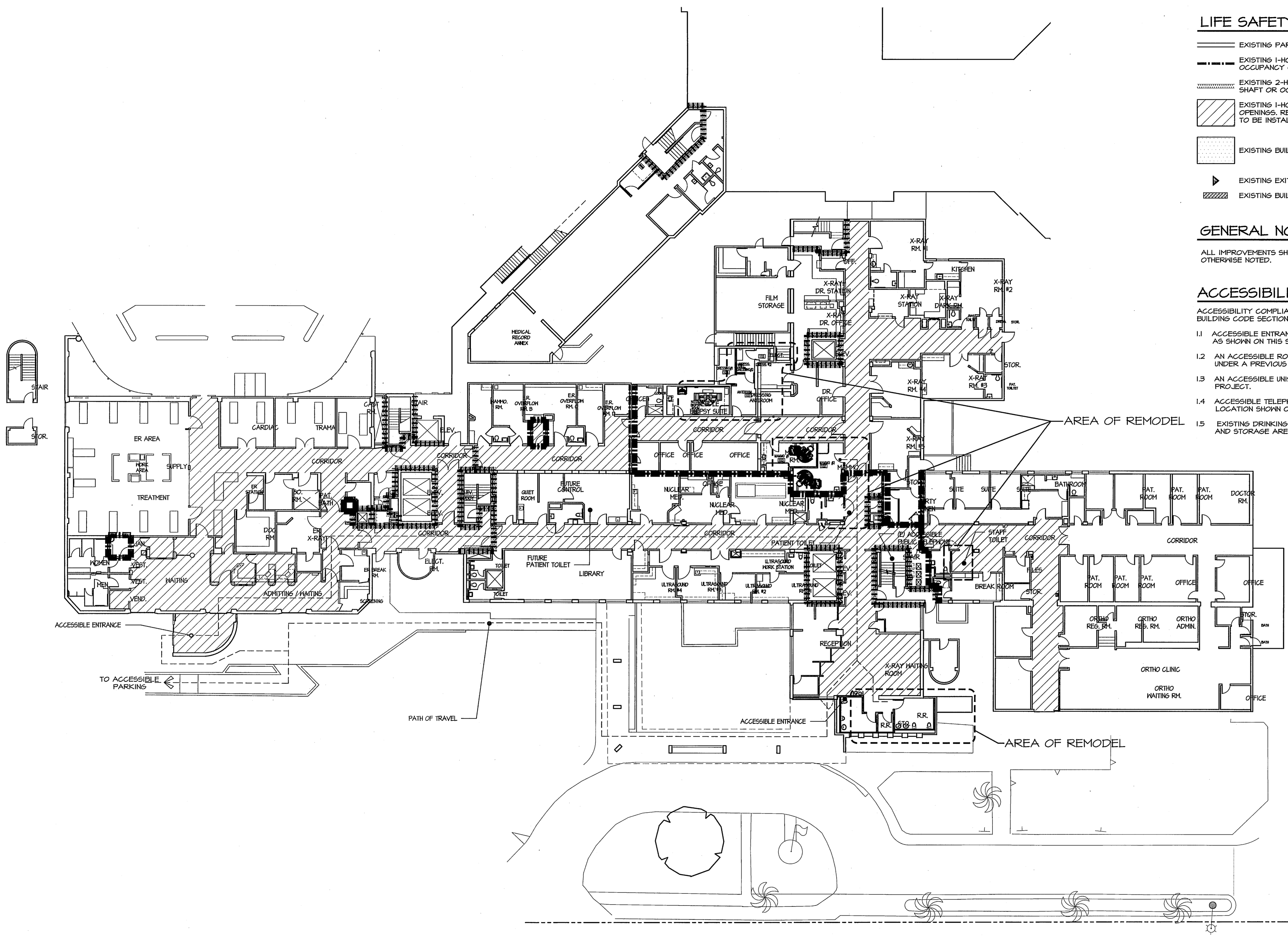
Sheet No.
A1.0



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Sheet Title	Revisions	R&A No.	Date	Drawn	Checked	Consult. No.
PARTIAL SITE PLAN	12-29-10 OSHPD CORR.	000443	06-01-10	CJH	JLL	
	03-30-11 OSHPD CORR.					

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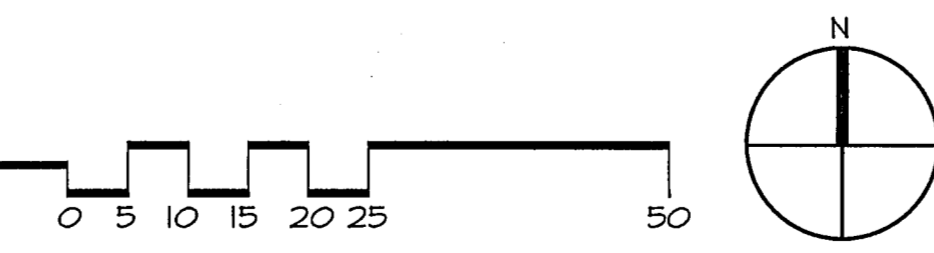
- ### LIFE SAFETY PLAN WALL LEGEND
- EXISTING PARTITION WITH UNPROTECTED OPENINGS.
 - EXISTING 1-HOUR RATED WALL WITH PROTECTED OPENINGS FOR OCCUPANCY OR SMOKE SEPARATION.
 - EXISTING 2-HOUR RATED WALL WITH PROTECTED OPENING FOR SHAFT OR OCCUPANCY SEPARATION.
 - EXISTING 1-HOUR RATED CORRIDOR WITH 20 MINUTE RATED OPENINGS. REFER TO DETAIL 1/A4.2 FOR TEMPORARY PARTITIONS TO BE INSTALLED DURING CONSTRUCTION.
 - EXISTING BUILDING AREA PROTECTED WITH FIRE SPRINKLER.
 - EXISTING EXIT DOOR AT GRADE.
 - EXISTING BUILDING SEPARATION OR SMOKE BARRIER WALL.

GENERAL NOTE

ALL IMPROVEMENTS SHOWN ON THIS DRAWING ARE EXISTING UNLESS OTHERWISE NOTED.

- ### ACCESSIBILITY COMPLIANCE
- ACCESSIBILITY COMPLIANCE FOR PATH OF TRAVEL PER CALIFORNIA BUILDING CODE SECTION 1134B.2.1 IS PROVIDED AS FOLLOWS:
- 1.1 ACCESSIBLE ENTRANCE IS PROVIDED AT THE MAIN ENTRY AS SHOWN ON THIS SHEET.
 - 1.2 AN ACCESSIBLE ROUTE HAS BEEN PROVIDED TO THE MAIN ENTRANCE UNDER A PREVIOUS PROJECT.
 - 1.3 AN ACCESSIBLE UNISEX TOILET HAS BEEN PROVIDED UNDER A PREVIOUS PROJECT.
 - 1.4 ACCESSIBLE TELEPHONES ARE PROVIDED AT THE LOCATION SHOWN ON THIS SHEET.
 - 1.5 EXISTING DRINKING FOUNTAIN IS ACCESSIBLE. 1.6 ADDITIONAL PARKING AND STORAGE ARE NOT REQUIRED FOR THIS PROJECT.

FIRST FLOOR LIFE/SAFETY KEY PLAN
SCALE 1/16" = 1'-0"

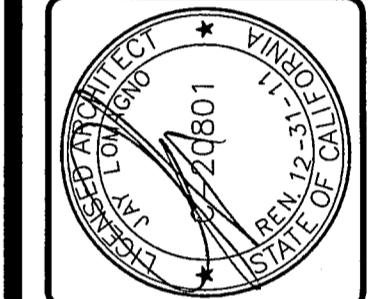


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PROJECT MANAGER	
SPEC. NUMBER CP11-05	SHEET 3 OF 31
PROJECT NUMBER ENT11103	DRAWING NUMBER 113451

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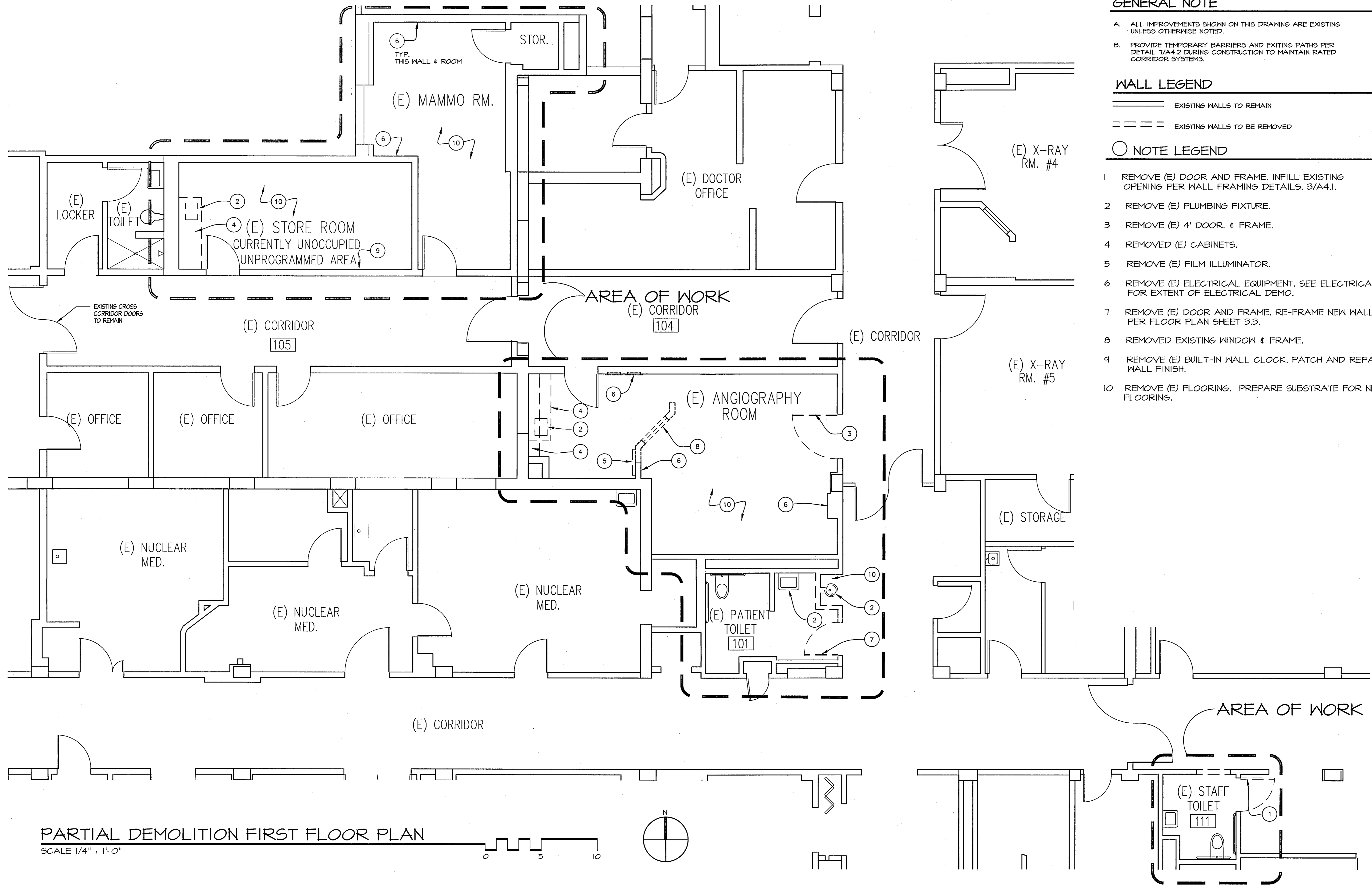


Sheet Title	FIRST FLOOR LIFE/SAFETY KEY PLAN
Revisions	RCA No: 000443
12-29-10 USHPD CORR.	Date: 06-01-10
03-30-11 USHPD CORR.	Drawn: CJH
	Checked: JLL
	Consult. No:

**MAMMOGRAPHY ROOMS
 & NEEDLE BIOPSY ROOM**
 VENTURA COUNTY MEDICAL CENTER
 3291 LOMA VISTA ROAD
 VENTURA, CALIFORNIA

Sheet No.
A2.1

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PARTIAL DEMOLITION FIRST FLOOR PLAN
SCALE 1/4" = 1'-0"

GENERAL NOTE

- A. ALL IMPROVEMENTS SHOWN ON THIS DRAWING ARE EXISTING UNLESS OTHERWISE NOTED.
- B. PROVIDE TEMPORARY BARRIERS AND EXITING PATHS PER DETAIL 1/A4.2 DURING CONSTRUCTION TO MAINTAIN RATED CORRIDOR SYSTEMS.

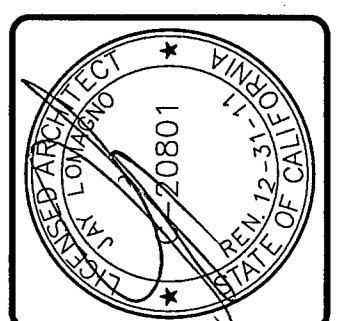
WALL LEGEND

- EXISTING WALLS TO REMAIN
- - - EXISTING WALLS TO BE REMOVED

NOTE LEGEND

- 1 REMOVE (E) DOOR AND FRAME. INFILL EXISTING OPENING PER WALL FRAMING DETAILS. 3/A4.1.
- 2 REMOVE (E) PLUMBING FIXTURE.
- 3 REMOVE (E) 4' DOOR. & FRAME.
- 4 REMOVED (E) CABINETS.
- 5 REMOVE (E) FILM ILLUMINATOR.
- 6 REMOVE (E) ELECTRICAL EQUIPMENT. SEE ELECTRICAL FOR EXTENT OF ELECTRICAL DEMO.
- 7 REMOVE (E) DOOR AND FRAME. RE-FRAME NEW WALL PER FLOOR PLAN SHEET 3.3.
- 8 REMOVED EXISTING WINDOW & FRAME.
- 9 REMOVE (E) BUILT-IN WALL CLOCK. PATCH AND REPAIR WALL FINISH.
- 10 REMOVE (E) FLOORING. PREPARE SUBSTRATE FOR NEW FLOORING.

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Sheet: PARTIAL DEMO. FIRST FLOOR PLAN	
Revisions	R&A No: 000443
12-29-10 OSHPD CORR.	Date: 06-01-10
03-30-11 OSHPD CORR.	Drawn: CJH
	Checked: JLL
	Consult: No.

MAMMOGRAPHY ROOMS & NEEDLE BIOPSY ROOM
 VENTURA COUNTY MEDICAL CENTER
 3291 LOMA VISTA ROAD
 VENTURA, CALIFORNIA

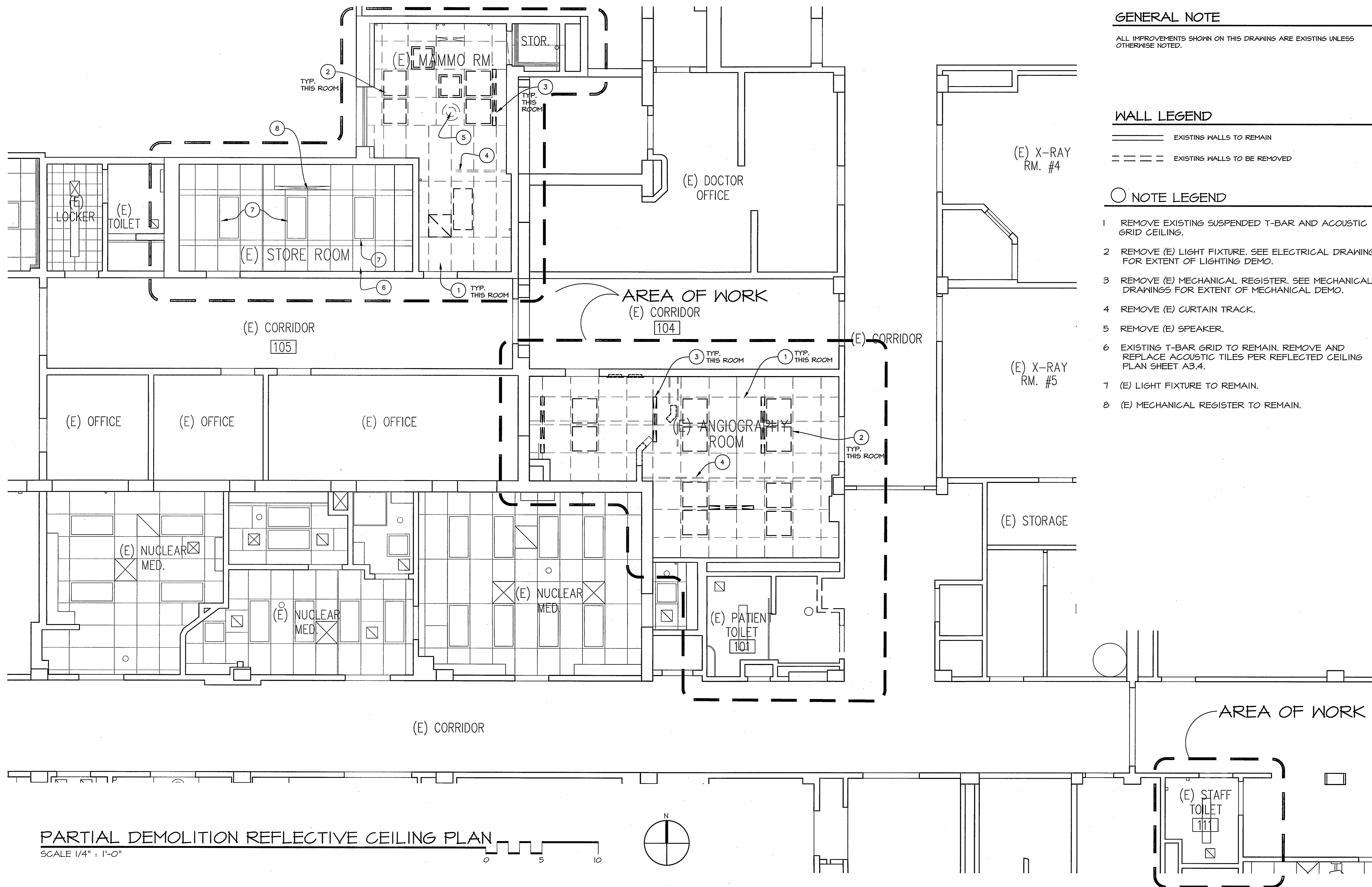
Sheet No.
A3.1

O.S.H.P.D. PROJECT #SL 101318-56

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 APR 05 2011
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 FACILITIES DEVELOPMENT DIVISION

COUNTY OF VENTURA PUBLIC WORKS AGENCY ENGINEERING SERVICES DEPARTMENT	
PROJECT MANAGER	
SPEC. NUMBER CP11-05	SHEET 4 OF 31
PROJECT NUMBER ENT11103	DRAWING NUMBER 113452

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GENERAL NOTE

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WALL LEGEND

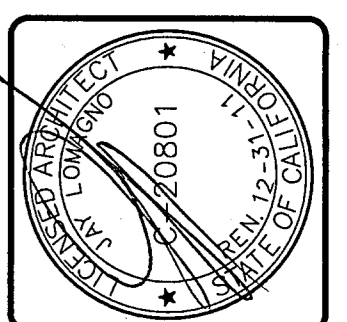
- EXISTING WALLS TO REMAIN
- - - - EXISTING WALLS TO BE REMOVED

NOTE LEGEND

- 1 REMOVE EXISTING SUSPENDED T-BAR AND ACOUSTIC GRID CEILING.
- 2 REMOVE (E) LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS FOR EXTENT OF LIGHTING DEMO.
- 3 REMOVE (E) MECHANICAL REGISTER. SEE MECHANICAL DRAWINGS FOR EXTENT OF MECHANICAL DEMO.
- 4 REMOVE (E) CURTAIN TRACK.
- 5 REMOVE (E) SPEAKER.
- 6 EXISTING T-BAR GRID TO REMAIN. REMOVE AND REPLACE ACOUSTIC TILES PER REFLECTED CEILING PLAN SHEET A3.4.
- 7 (E) LIGHT FIXTURE TO REMAIN.
- 8 (E) MECHANICAL REGISTER TO REMAIN.

PARTIAL DEMOLITION REFLECTIVE CEILING PLAN
SCALE 1/4" = 1'-0"

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Sheet Title	PARTIAL DEMO. REFLECTIVE CEILING PLAN		
Revisions	REA No.	000443	
12-29-10 OSHPD CORR.	Date:	05-01-10	
03-30-11 OSHPD CORR.	Drawn:	CLH	
	Checked:	JLL	
	Consult. No.:		

MAMMOGRAPHY ROOMS & NEEDLE BIOPSY ROOM
VENTURA COUNTY MEDICAL CENTER
3291 LOMA VISTA ROAD
VENTURA, CALIFORNIA

Sheet No.
A3.2

O.S.H.P.D. PROJECT #SL 101318-56

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

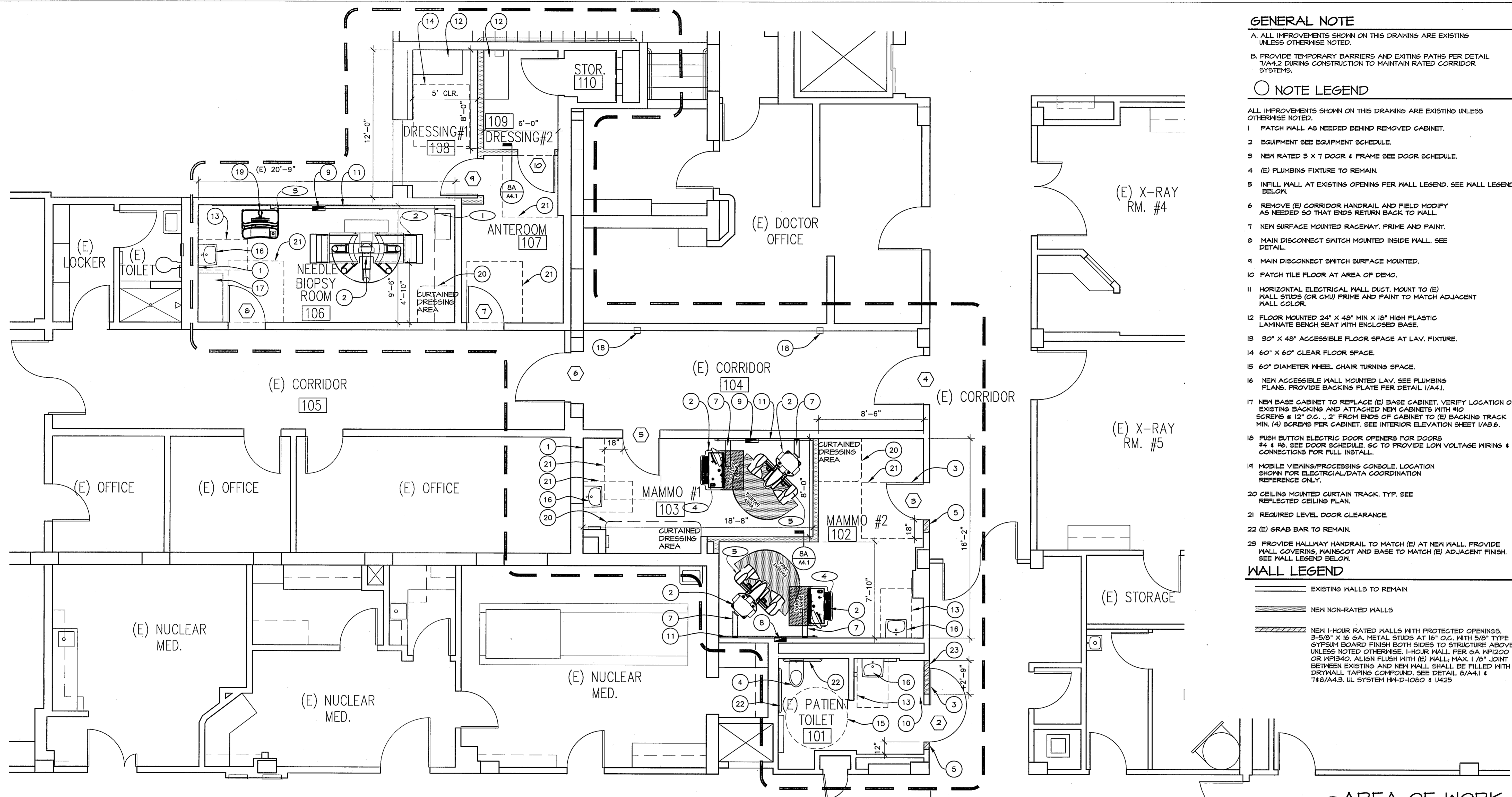
APPROVED

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Office of Statewide Health Planning & Development
FACILITIES DEVELOPMENT DIVISION

COUNTY OF VENTURA PUBLIC WORKS AGENCY ENGINEERING SERVICES DEPARTMENT	
PROJECT MANAGER	
SPEC. NUMBER CP11-05	SHEET 5 OF 31
PROJECT NUMBER ENT11103	DRAWING NUMBER 113553

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GENERAL NOTE
 A. ALL IMPROVEMENTS SHOWN ON THIS DRAWING ARE EXISTING UNLESS OTHERWISE NOTED.
 B. PROVIDE TEMPORARY BARRIERS AND EXITING PATHS PER DETAIL 1/A4.2 DURING CONSTRUCTION TO MAINTAIN RATED CORRIDOR SYSTEMS.

NOTE LEGEND

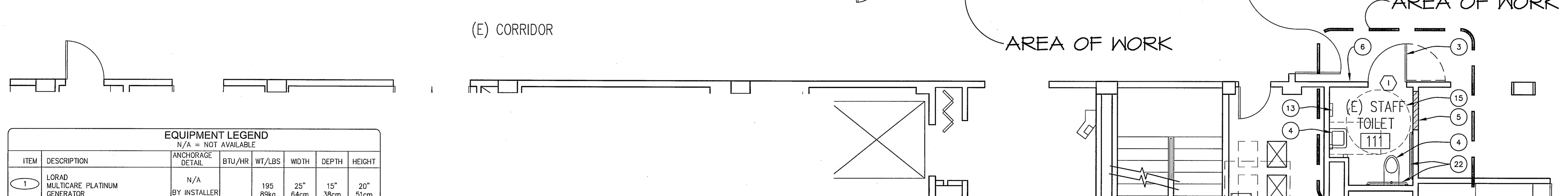
- 1 PATCH WALL AS NEEDED BEHIND REMOVED CABINET.
- 2 EQUIPMENT SEE EQUIPMENT SCHEDULE.
- 3 NEW RATED 3 X 7 DOOR & FRAME SEE DOOR SCHEDULE.
- 4 (E) PLUMBING FIXTURE TO REMAIN.
- 5 INFILL WALL AT EXISTING OPENING PER WALL LEGEND. SEE WALL LEGEND BELOW.
- 6 REMOVE (E) CORRIDOR HANDRAIL AND FIELD MODIFY AS NEEDED SO THAT ENDS RETURN BACK TO WALL.
- 7 NEW SURFACE MOUNTED RACEWAY, PRIME AND PAINT.
- 8 MAIN DISCONNECT SWITCH MOUNTED INSIDE WALL. SEE DETAIL.
- 9 MAIN DISCONNECT SWITCH SURFACE MOUNTED.
- 10 PATCH TILE FLOOR AT AREA OF DEMO.
- 11 HORIZONTAL ELECTRICAL WALL DUCT. MOUNT TO (E) WALL STUDS (OR GMI) PRIME AND PAINT TO MATCH ADJACENT WALL COLOR.
- 12 FLOOR MOUNTED 24" X 48" MIN X 18" HIGH PLASTIC LAMINATE BENCH SEAT WITH ENCLOSED BASE.
- 13 30" X 48" ACCESSIBLE FLOOR SPACE AT LAV. FIXTURE.
- 14 60" X 60" CLEAR FLOOR SPACE.
- 15 60" DIAMETER WHEEL CHAIR TURNING SPACE.
- 16 NEW ACCESSIBLE WALL MOUNTED LAV. SEE PLUMBING PLANS, PROVIDE BACKING PLATE PER DETAIL 1/A4.1.
- 17 NEW BASE CABINET TO REPLACE (E) BASE CABINET. VERIFY LOCATION OF EXISTING BACKING AND ATTACHED NEW CABINETS WITH #10 SCREWS @ 12" O.C., 2" FROM ENDS OF CABINET TO (E) BACKING TRACK MIN. (4) SCREWS PER CABINET. SEE INTERIOR ELEVATION SHEET 1/A3.6.
- 18 PUSH BUTTON ELECTRIC DOOR OPENERS FOR DOORS #4 & #6. SEE DOOR SCHEDULE. GC TO PROVIDE LOW VOLTAGE WIRING & CONNECTIONS FOR FULL INSTALL.
- 19 MOBILE VIEWING/PROCESSING CONSOLE. LOCATION SHOWN FOR ELECTRICAL/DATA COORDINATION REFERENCE ONLY.
- 20 CEILING MOUNTED CURTAIN TRACK. TYP. SEE REFLECTED CEILING PLAN.
- 21 REQUIRED LEVEL DOOR CLEARANCE.
- 22 (E) GRAB BAR TO REMAIN.
- 23 PROVIDE HALLWAY HANDRAIL TO MATCH (E) AT NEW WALL. PROVIDE WALL COVERING, WAINSCOT AND BASE TO MATCH (E) ADJACENT FINISH. SEE WALL LEGEND BELOW.

WALL LEGEND

— EXISTING WALLS TO REMAIN

— NEW NON-RATED WALLS

— NEW 1-HOUR RATED WALLS WITH PROTECTED OPENINGS. 3-5/8" X 16 GA. METAL STUDS AT 16" O.C. WITH 5/8" TYPE "X" GYPSUM BOARD FINISH BOTH SIDES TO STRUCTURE ABOVE UNLESS NOTED OTHERWISE. 1-HOUR WALL PER GA WP1200 OR WP1340. ALIGN FLUSH WITH (E) WALL; MAX. 1/8" JOINT BETWEEN EXISTING AND NEW WALL SHALL BE FILLED WITH DRYWALL TAPING COMPOUND. SEE DETAIL 0/A4.1 & 1A/A4.3. UL SYSTEM HX-D-1080 & U425



EQUIPMENT LEGEND							
N/A = NOT AVAILABLE							
ITEM	DESCRIPTION	ANCHORAGE DETAIL	BTU/HR	WT./LBS	WIDTH	DEPTH	HEIGHT
1	LORAD MULTICARE PLATINUM GENERATOR	N/A BY INSTALLER		195 89kg	25" 64cm	15" 38cm	20" 51cm
2	LORAD MULTICARE PLATINUM BREAST BIOPSY TABLE	A/A4	1,100	910 413kg	109" 277cm	61" 156cm	57" 145cm
3	LORAD MULTICARE PLATINUM VIEWING AND PROCESSING CONSOLE	MOBILE EQUIPMENT ON CASTERS		253 115kg	36" 92cm	28" 71cm	62" 158cm
4	LORAD SELENIA ACQUISITION WORKSTATION (WITH SHIELD)	B/A4	1,700 TO	360 163kg	39.8" 101.2cm	23.8" 60.5cm	74.6" 189.4cm
5	LORAD SELENIA GANTRY WITH C-ARM	B/A4	2,500 TYPICAL RANGE	615 300±20kg	54.3" 138cm	43.3" 110cm	84" 213cm

PARTIAL FIRST FLOOR PLAN
 SCALE 1/4" = 1'-0"

O.S.H.P.D. PROJECT #SL 101318-56

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

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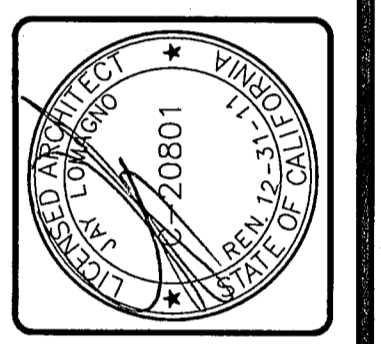
Office of Statewide Health Planning & Development
 FACILITIES DEVELOPMENT DIVISION

COUNTY OF VENTURA
 PUBLIC WORKS AGENCY
 ENGINEERING SERVICES DEPARTMENT

PROJECT MANAGER

SPEC. NUMBER CP11-05	SHEET 6 OF 31
PROJECT NUMBER ENT 11103	DRAWING NUMBER 113554

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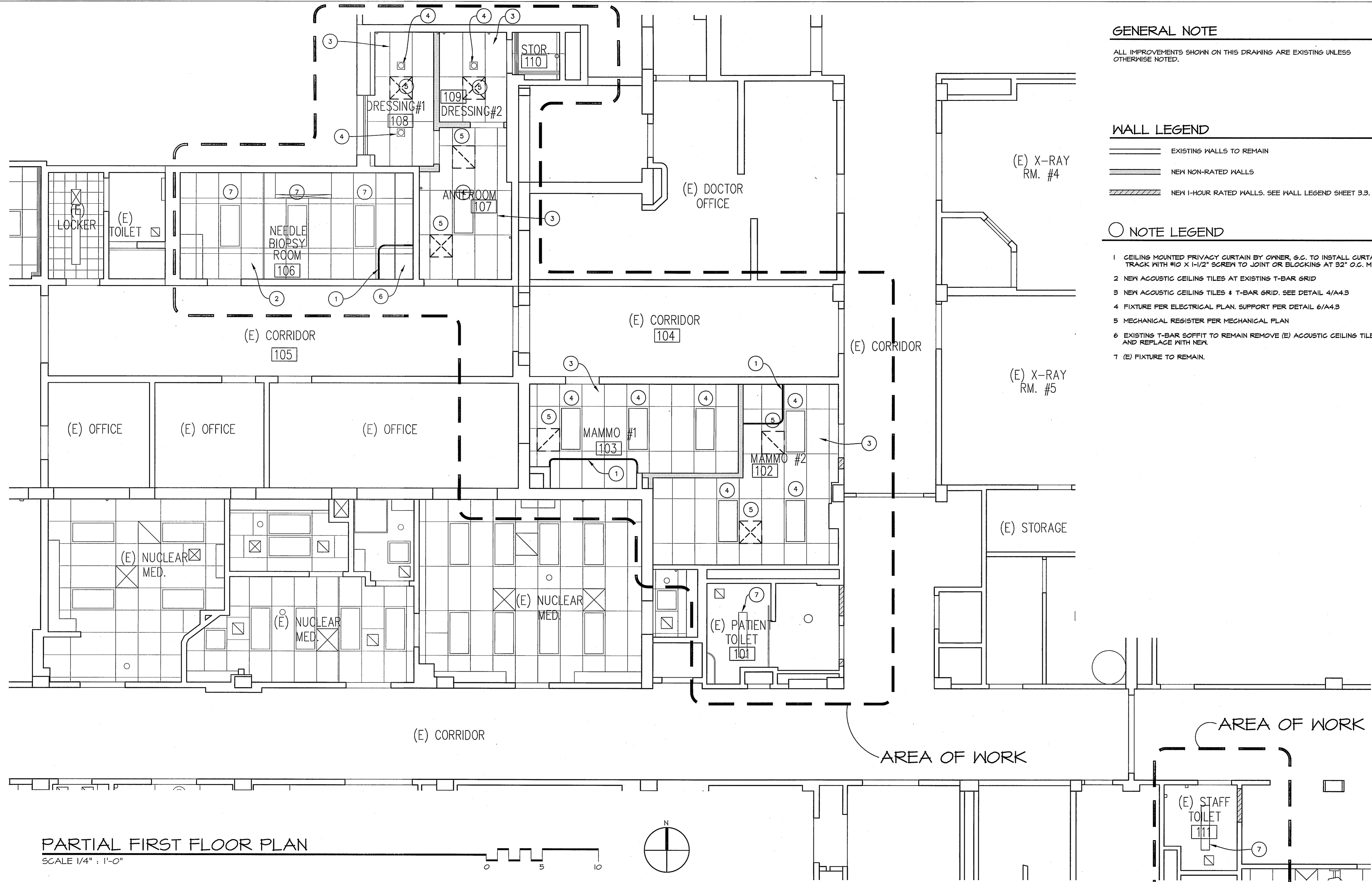
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Revisions	RCA No: 000443
12-29-10 OSHPD CORR.	Date: 06-01-10
03-30-11 OSHPD CORR.	Drawn: CJH
	Checked: JLL
	Consult: No.

MAMMOGRAPHY ROOMS & NEEDLE BIOPSY ROOM
 VENTURA COUNTY MEDICAL CENTER
 3291 LOMA VISTA ROAD
 VENTURA, CALIFORNIA

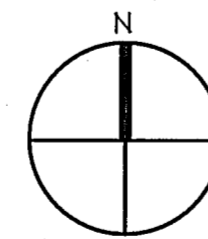
Sheet No.
A3.3

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PARTIAL FIRST FLOOR PLAN

SCALE 1/4" = 1'-0"



GENERAL NOTE

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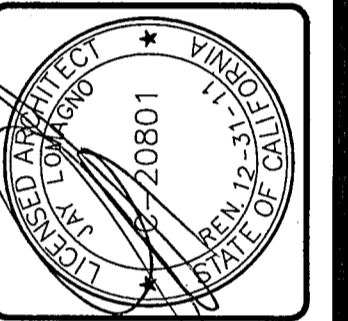
WALL LEGEND

- EXISTING WALLS TO REMAIN
- NEW NON-RATED WALLS
- NEW 1-HOUR RATED WALLS. SEE WALL LEGEND SHEET 3.3.

NOTE LEGEND

- 1 CEILING MOUNTED PRIVACY CURTAIN BY OWNER, G.C. TO INSTALL CURTAIN TRACK WITH #10 X 1-1/2" SCREW TO JOINT OR BLOCKING AT 32" O.C. MIN.
- 2 NEW ACOUSTIC CEILING TILES AT EXISTING T-BAR GRID
- 3 NEW ACOUSTIC CEILING TILES & T-BAR GRID. SEE DETAIL 4/A4.3
- 4 FIXTURE PER ELECTRICAL PLAN. SUPPORT PER DETAIL 6/A4.3
- 5 MECHANICAL REGISTER PER MECHANICAL PLAN
- 6 EXISTING T-BAR SOFFIT TO REMAIN REMOVE (E) ACOUSTIC CEILING TILES AND REPLACE WITH NEW.
- 7 (E) FIXTURE TO REMAIN.

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Sheet Title	PARTIAL FIRST FLOOR REFLEC. CEILING PLAN
Revisions	REA No: 000443
12-298-ID USHPD CORR.	Date: 06-01-10
03-30-11 USHPD CORR.	Drawn: CJH
	Checked: JLL
	Consult. No:

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Sheet No.
A3.4

O.S.H.P.D. PROJECT #SL 101318-56

REVISOR IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

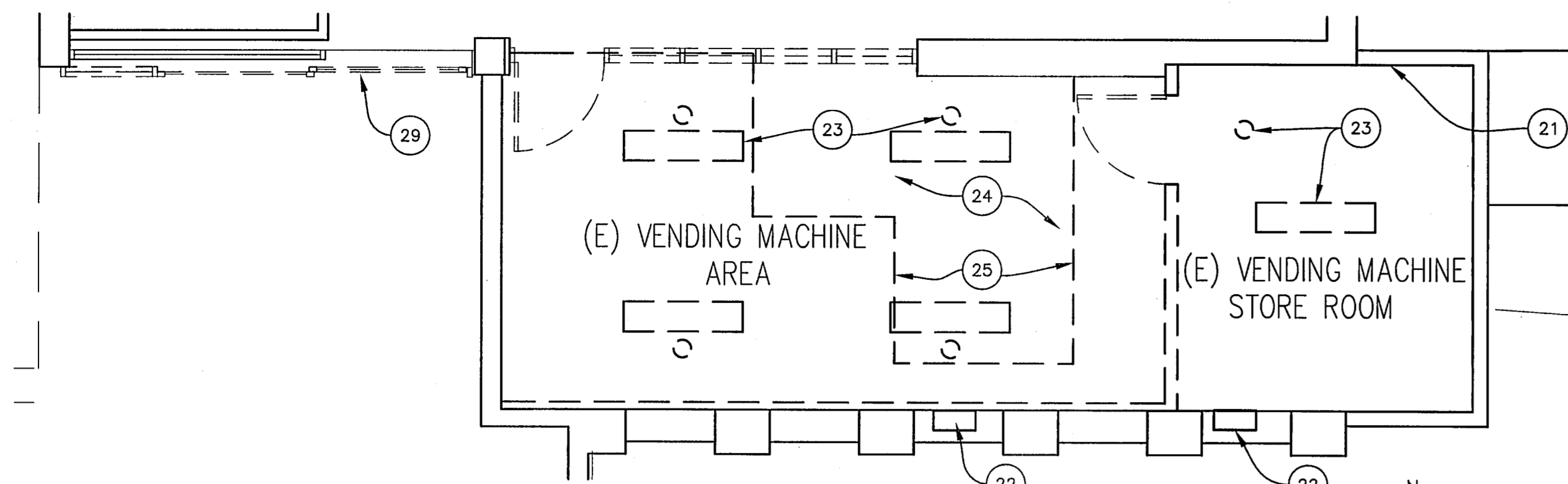
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FACILITIES DEVELOPMENT DIVISION

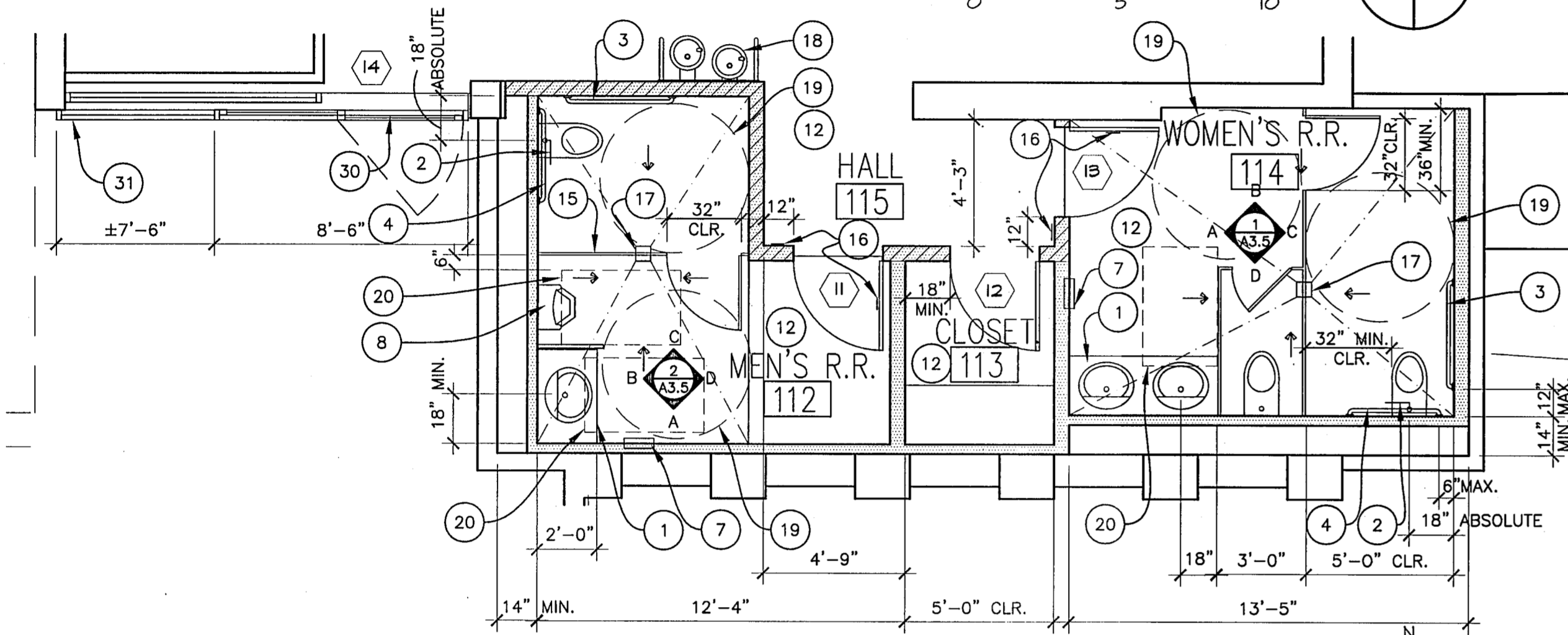
COUNTY OF VENTURA PUBLIC WORKS AGENCY ENGINEERING SERVICES DEPARTMENT	
PROJECT MANAGER	
SPEC. NUMBER CP11-05	SHEET 7 OF 31
PROJECT NUMBER ENT 11103	DRAWING NUMBER 113555

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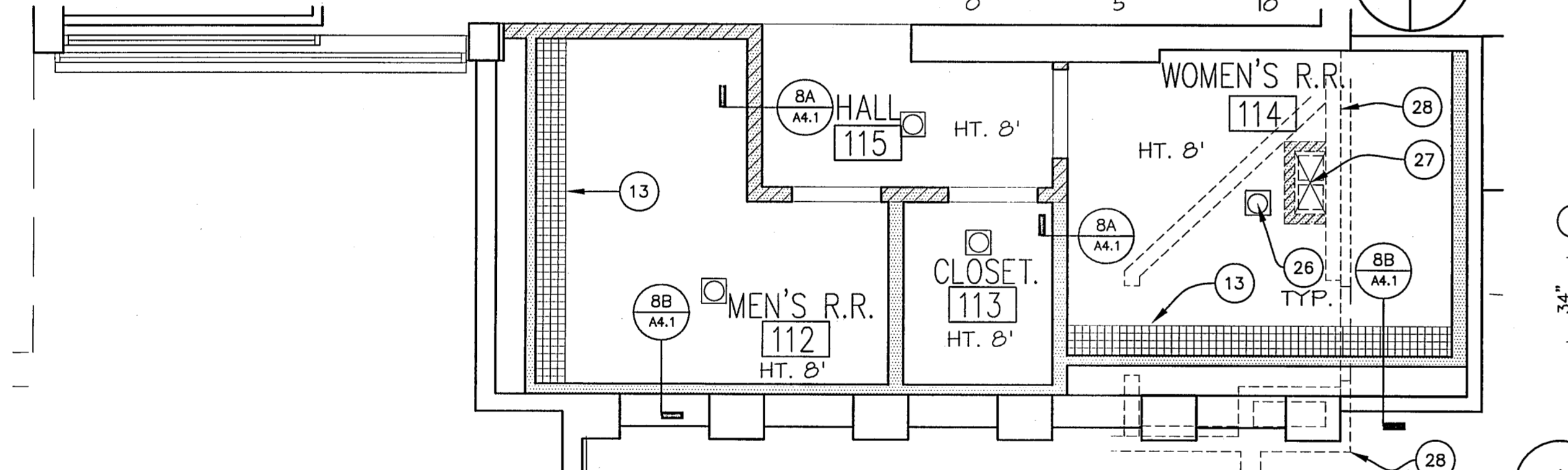
PARTIAL DEMOLITION PLAN

SCALE 1/4" = 1'-0"



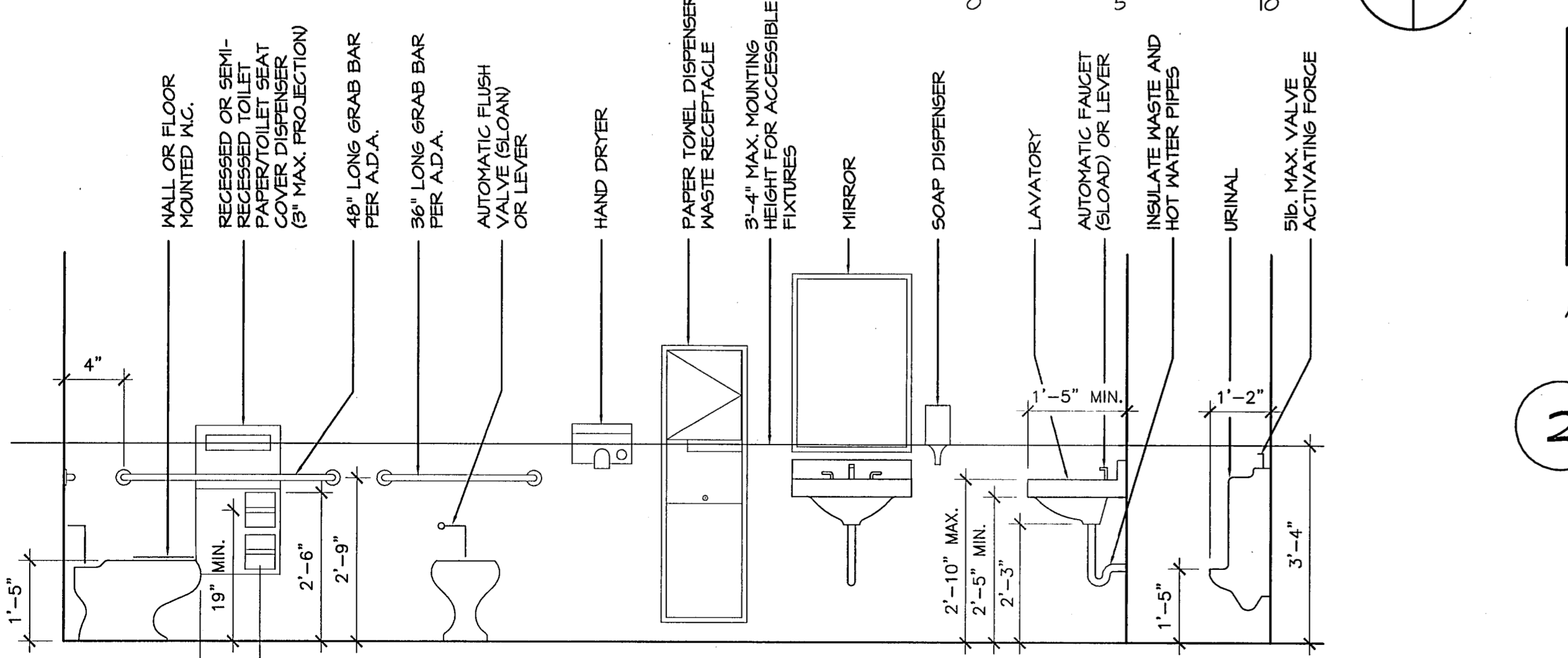
PARTIAL FIRST FLOOR PLAN

SCALE 1/4" = 1'-0"



REFLECTED CEILING PLAN

SCALE 1/4" = 1'-0"



A ACCESSIBLE RESTROOM FIXTURES

NOT TO SCALE

NOTE LEGEND

- CORIAN COUNTER TOP WITH INTEGRATED NO SEAM SINK, INSULATED HOT WATER AND WASTE PIPING. SEE PLUMBING PLANS FOR FAUCET AND SPECIFICATION APPENDIX A FOR COLOR. SEE DETAIL 1/A4.3.
- WATER CLOSET WITH FLUSH VALVE TO FACE AWAY FROM ADJACENT SIDE WALL; SEE PLUMBING DRAWINGS.
- 1-1/2" DIAMETER X 42" GRAB BAR AT +33" A.F.F. PROVIDE 16 GAUGE STUDS AND BACKING PLATES PER DETAIL 3/A4.2.
- 1-1/2" DIAMETER X 36" GRAB BAR AT +33" A.F.F. PROVIDE 16 GAUGE STUDS AND BACKING PLATES PER DETAIL 3/A4.2. LOCATE WITHIN 6" OF NEAR CORNER OF ROOM.
- CERAMIC TILE MAINSCOT, 48" HIGH.
- 36" HIGH MIRROR, WITH BOTTOM AT +34" A.F.F. PROVIDE STAINLESS STEEL FILLER ABOVE MAINSCOT. FIELD VERIFY WIDTH.
- RECESSED PAPER TOWEL DISPENSER AND TRASH RECEPTACLE.
- URINAL; SEE PLUMBING DRAWINGS.
- PAPER SEAT COVER DISPENSER.
- SOAP DISPENSER.
- TOILET TISSUE DISPENSER.
- ROOM FINISHES PER ROOM FINISH SCHEDULE.
- LIGHT COVE SEE DETAIL 1/A4.3.
- PLASTIC LAMINATE FILLER PANEL SEE LAV. DETAIL 4/A4.2.
- SOLID SURFACE TOILET PARTITION. PROVIDE SHOP DRAWINGS.
- DOOR SIGNAGE PER DETAIL 1#2/A4.2.
- FLOOR DRAIN PER PLUMBING PLAN. SLOPE FLOORING MINIMUM 1/8" PER FOOT TO DRAIN.
- WALL HUNG DRINKING FOUNTAIN. SEE PLUMBING PLAN. GUARD RAILS PER DETAIL 10/A4.2.
- 60" DIA. WHEEL CHAIR TURNING RADIUS.
- 30" X 48" CLEAR SPACE.
- REMOVE EXISTING ELECTRICAL PANEL. SEE ELECTRICAL DRAWINGS.
- REMOVE EXISTING WALL MOUNTED FAN. PATCH AND REPAIR EXTERIOR.
- REMOVE ALL EXISTING LIGHT FIXTURES TYPICAL.
- REMOVE EXISTING FLOORING & PREPARE SLAB FOR NEW FLOORING.
- REMOVE PORTION OF CONCRETE SLAB TO EXTENT OF DEPRESSED TILE AND FOR DRAIN LINE PIPING. (INDICATED BY DIAGONAL HATCH)
- LIGHT FIXTURE. SEE ELECTRICAL LIGHTING PLAN FOR FIXTURE SPECIFICATION.
- LOCATION OF FIRE RATED SHAFT FROM SECOND FLOOR DECK FRAMING THROUGH VESTIBULE ON THE SECOND FLOOR TO ROOF STRUCTURE ABOVE. NO MODIFICATION TO FLOOR OR ROOF FRAMING ANTICIPATED. PROVIDE ROOF PENETRATION PER MECHANICAL DRAWINGS. CONTRACTOR SHALL CONFIRM ROUTING PRIOR TO CONSTRUCTION.
- DASHED LINES AT REFLECTED CEILING REPRESENT WALLS ON SECOND FLOOR.
- (E) AUTOMATIC SLIDING STOREFRONT DOOR TO BE REMOVED AND REPLACED.
- (N) AUTOMATIC SLIDING STOREFRONT DOOR WITH EMERGENCY BREAK AWAY HARDWARE, BY BESAM, ESR 2140 OR APPROVED EQUAL. SEE DOOR SCHEDULE AND SPECIFICATIONS FOR MORE INFO.
- FIXED STOREFRONT PANEL, PART OF NEW SLIDING DOOR ASSEMBLY.

WALL LEGEND

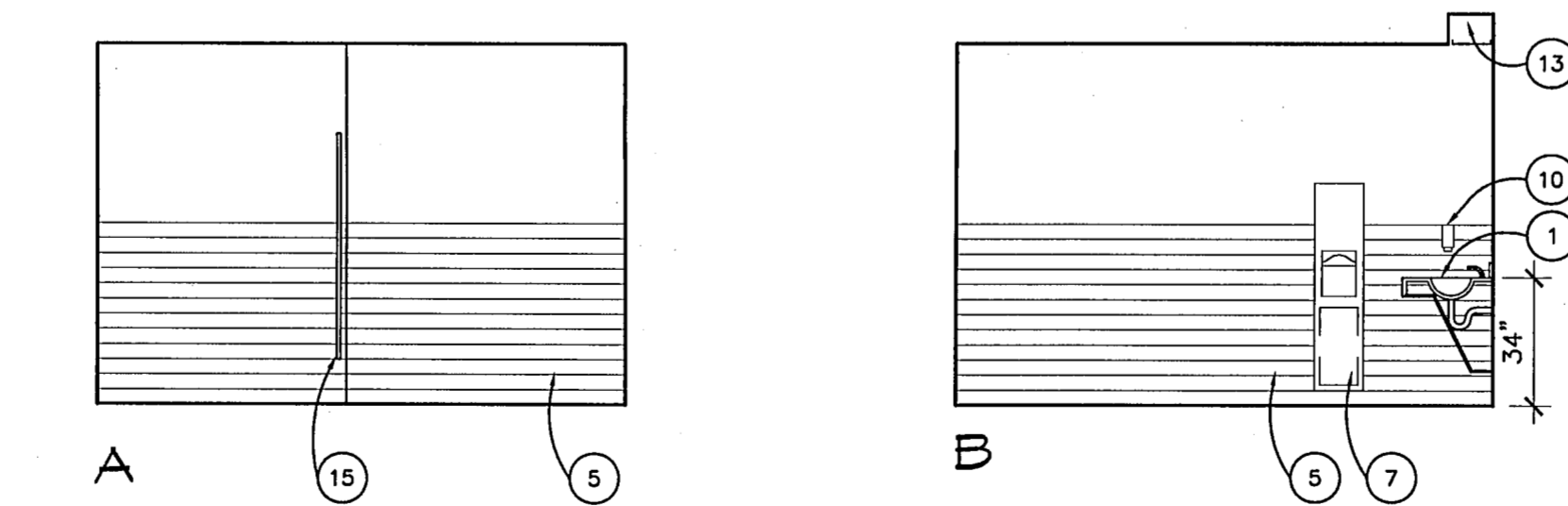
- EXISTING WALLS TO BE DEMOLISHED
- EXISTING WALLS TO REMAIN
- NEW NON-RATED WALLS
- NEW 1-HOUR RATED WALLS SEE WALL LEGEND SHEET 3.3

GENERAL NOTE

- ALL IMPROVEMENTS SHOWN ON THIS DRAWING ARE EXISTING UNLESS OTHERWISE NOTED.
- SEE DETAIL (A) ON THIS SHEET FOR TYPICAL ACCESSIBLE FIXTURE MOUNTING HEIGHT.
- PROVIDE TEMPORARY BARRIERS AND EXITING PATHS PER DETAIL 7/A4.2 DURING CONSTRUCTION TO MAINTAIN RATED CORRIDOR SYSTEMS.

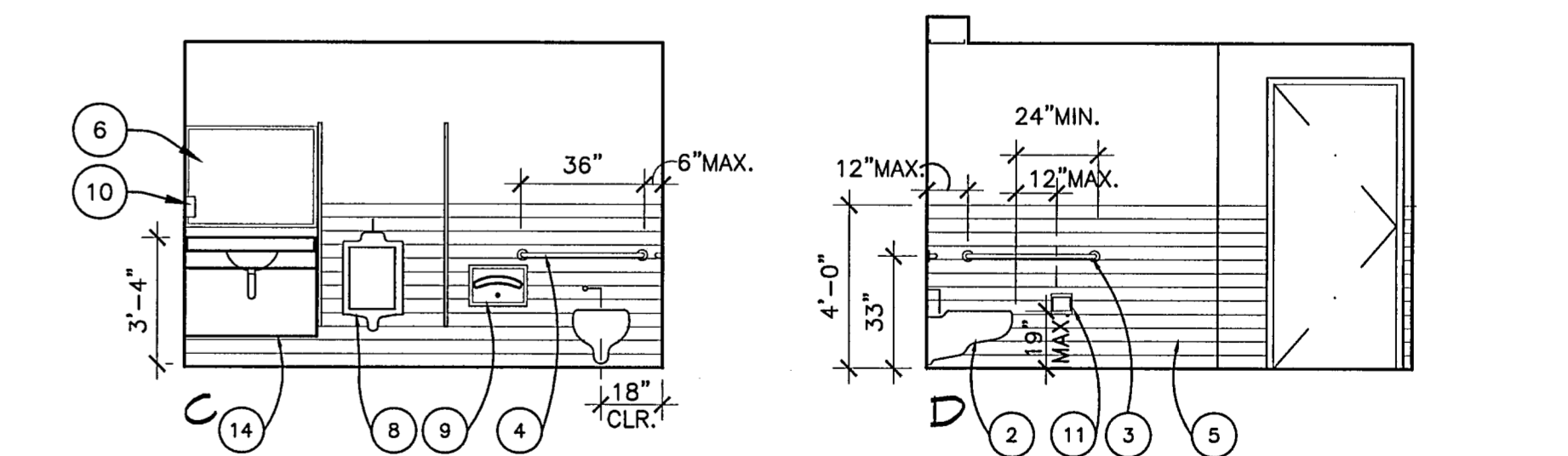
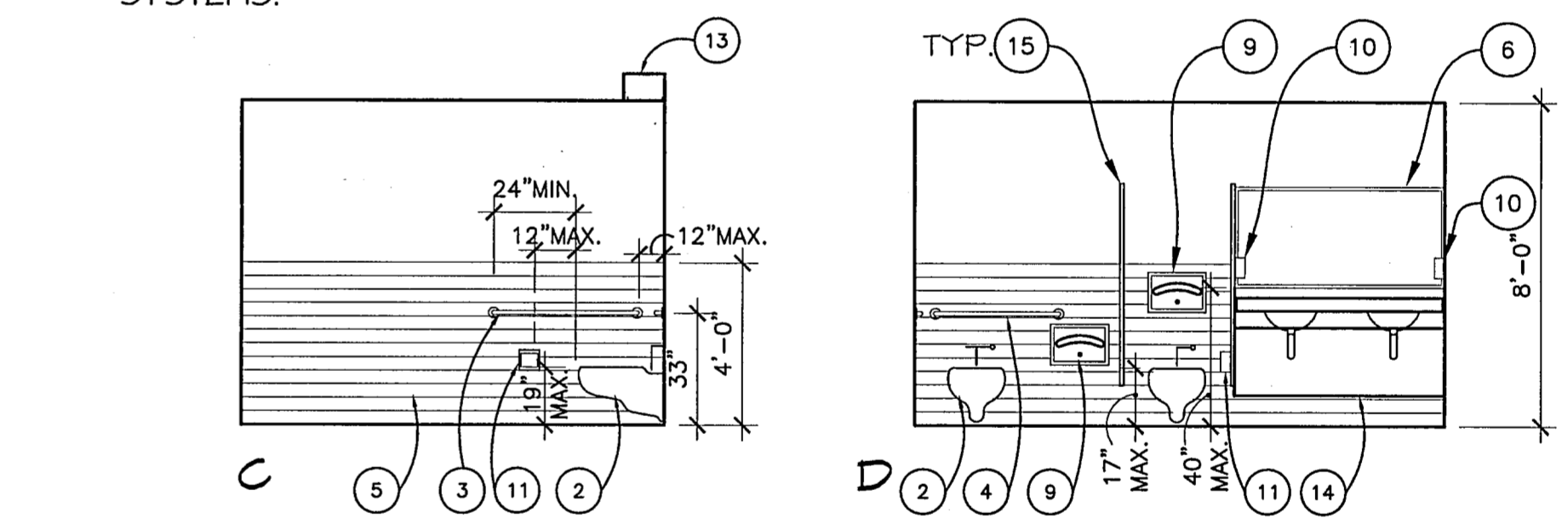
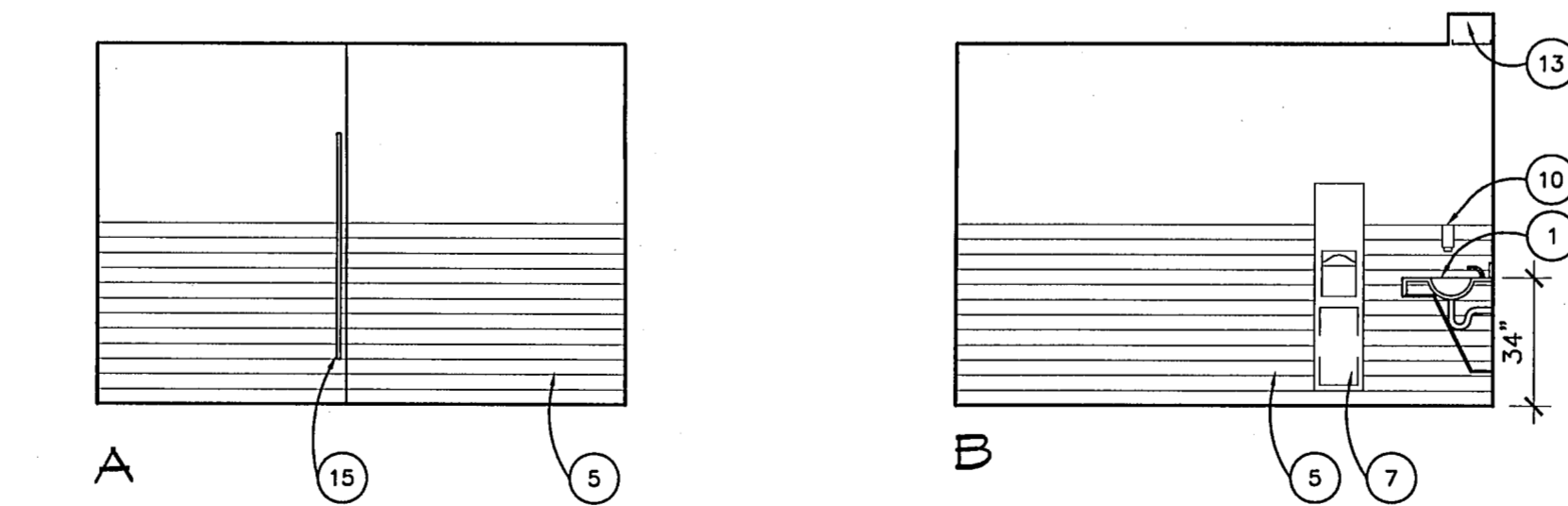
1 WOMEN'S RESTROOM - #114

SCALE 1/4" = 1'-0"



2 MEN'S RESTROOM - #112

SCALE 1/4" = 1'-0"



O.S.H.P.D. PROJECT #SL 101318-56

REVISOR'S SIGNATURE

APPROVED

APR 05 2011

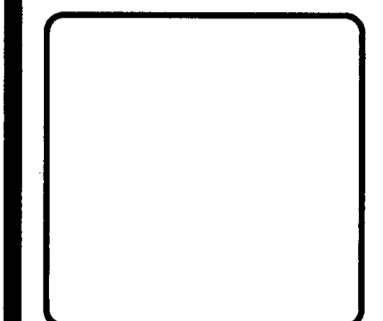
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ENGINEERING SERVICES DEPARTMENT

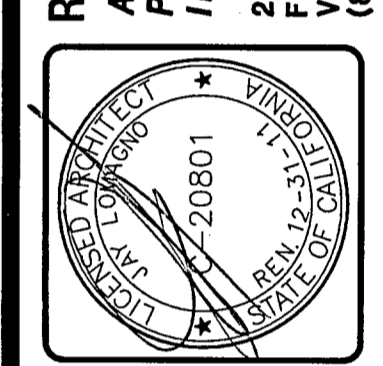
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SPEC. NUMBER CP11-05 SHEET 8 OF 31

PROJECT NUMBER ENT11103 DRAWING NUMBER 113536



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Sheet	PARTIAL DEMO. PLAN, PARTIAL
Title	FIRST FLR. PLAN, REFLC. CLG.
Revisions	R&A No: 000443
12-29-10 USHPD CORR.	Date: 05-01-10
03-30-11 USHPD CORR.	Drawn: CJH
	Checked: JLL
	Consult. No:

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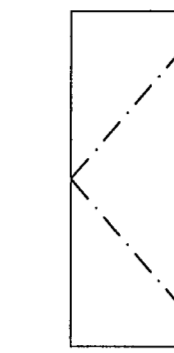
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A3.5

FINISH SCHEDULE

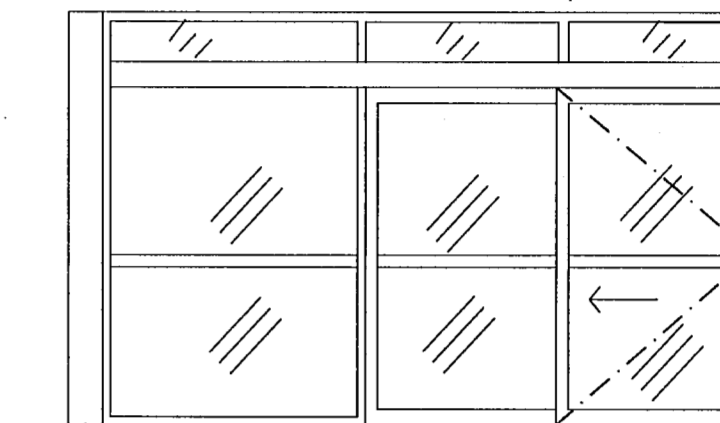
DOOR SCHEDULE

ROOM NUMBER	ROOM NAME	CEILING			FLOOR	BASE	WALL		REMARKS	NUMBER	TYPE	SIZE			DETAIL			FRAME		HARDWARE SET	HARDWARE TYPE	CLOSER	SIGN DET. 1/A4.2	FIRE RATING	REMARKS
		HEIGHT	MATERIAL	FINISH			MATERIAL	FINISH				WIDTH	HEIGHT	FINISH	HEAD	JAMB	THRESHOLD	MATERIAL	FINISH						
101	(E) PATIENT TOILET	(E) 8'	(E)GB	P2	(E)CTF*	(E)CTW*	(E)GB/CTW*	P2	* PATCH (E) AS NEEDED	1	A	3'-0"	7'-0"	P6F	5/A4.2	5/A4.2	6/A4.2	MTL	MFR	O1	L	Y	Y	20 MIN. FFS	
102	MAMMO #2	(E) 8'	ATI	MFR	CPT	RTSI	(E)GB* & GB	VWC		2	A	3'-0"	7'-0"	P6F	5/A4.2	5/A4.2	6/A4.2	MTL	MFR	O1	L	Y	Y	20 MIN. FFS	
103	MAMMO #1	(E) 8'	ATI	MFR	CPT	RTSI	(E)GB* & GB	VWC		3	A	3'-0"	7'-0"	P6F	5/A4.2	5/A4.2	6/A4.2	MTL	MFR	O2	L	Y	N	20 MIN. FFS	
104	(E) CORRIDOR	(E) 8'	(E)	(E)	(E)	(E)	(E)GB*	PI*	* PATCH (E) AS NEEDED	4	(E)A	4'-0"	7'-0"	(E)	(E)	(E)	6/A4.2	(E)	(E)	O3	L/E	Y	N	20 MIN. FFS	
105	(E) CORRIDOR	(E) 8'	(E)	(E)	(E)	(E)	(E)GB	PI		5	(E)A	3'-0"	7'-0"	(E)	(E)	(E)	6/A4.2	(E)	(E)	O4	L	Y	N	20 MIN. FFS	
106	NEEDLE BIOPSY ROOM	8'-0"	ATI	MFR	RF	RTSI	(E) GB	P2		6	(E)A	4'-0"	7'-0"	(E)	(E)	(E)	6/A4.2	(E)	(E)	O5	L/E/PH	Y	N	20 MIN. FFS	
107	ANTEROOM	8'-0"	ATI	MFR	CPT	RTSI	(E)GB* & GB	VWC		7	(E)A	3'-0"	7'-0"	(E)	(E)	(E)	6/A4.2	(E)	(E)	O4	L	Y	N	20 MIN. FFS	
108	DRESSING #1	8'-0"	ATI	MFR	CPT	RTSI	(E)GB* & GB	VWC		8	(E)A	3'-0"	7'-0"	(E)	(E)	(E)	6/A4.2	(E)	(E)	O4	L	Y	N	20 MIN. FFS	
109	DRESSING #2	8'-0"	ATI	MFR	CPT	RTSI	(E)GB* & GB	VWC		9	A	3'-0"	7'-0"	P6F	5/A4.2	5/A4.2	6/A4.2	MTL	MFR	O6	L	N	N		
110	STORAGE CLOSET	8'-0"	(E)	(E)	(E)	(E)	(E)GB	P2		10	A	3'-0"	7'-0"	P6F	5/A4.2	5/A4.2	6/A4.2	MTL	MFR	O6	L	N	N		
111	(E) STAFF TOILET	8'-0"	(E)GB	P2	(E)CTF*	(E)CTW*	(E)GB/CTW*	P2	* PATCH (E) AS NEEDED	11	A	3'-0"	7'-0"	P6F	5/A4.2	5/A4.2	6/A4.2	MTL	MFR	O7	L	Y	Y	20 MIN. FFS	
112	MEN'S RESTROOM	8'-0"	GB	P2	CPT	CTW	GB/CTW	VWC		12	A	3'-0"	7'-0"	P6F	5/A4.2	5/A4.2	6/A4.2	MTL	MFR	O8	L	Y	N	20 MIN. FFS	
113	STORAGE CLOSET	8'-0"	GB	P2	RF	RTSI	GB	P2		13	A	3'-0"	7'-0"	P6F	5/A4.2	5/A4.2	6/A4.2	MTL	MFR	O7	L	Y	Y	20 MIN. FFS	
114	WOMEN'S RESTROOM	8'-0"	GB	P2	CPT	CTW	GB/CTW	VWC		14	B	102"	7'-0"	MTL	-	-	-	MTL	MFR	-	-	-	Y	PROVIDE ACCESSIBLE SIGNAGE PER NOTE #8 BELOW	
115	HALL	8'-0"	GB	P2	RF	RTSI	GB	VWC																	

DOOR TYPES



(A) SOLID CORE WOOD DOOR



(B) AUTOMATIC SLIDING STOREFRONT DOOR

SCHEDULE ABBREVIATIONS

AL ALUMINUM	PI PAINT: EGGSHELL
ATI ACOUSTIC CEILING TILE 2'X4' (FIN PERFORATED, FINE FISSED OR LIGHTLY TEXTURED)	P2 PAINT COLOR: SEMIGLOSS
CPT CARPET, AS SELECTED BY OWNER	PH PANIC HARDWARE
CTF CERAMIC FLOOR TILE - UNGLAZED	PP5 POSITIVE PRESSURE, SMOKE & DRAFT CONTROL DOOR (SEE NOTE #1-D-1, THRU 4, THIS SHEET)
CTW CERAMIC WALL TILE - GLAZED	RF RESILIENT FLOORING AS SELECTED BY OWNER
GB 5/8" GYPSUM WALLBOARD (OR EXISTING PLASTER WHERE OCCURS)	RTSI RUBBER TOPSET BASE AS SELECTED BY OWNER
L LEVER TYPE, SEE HARDWARE GROUPS AND GENERAL NOTES.	VWC VINYL WALL COVERING TO MATCH (E)
L/E LEVER WITH AUTOMATIC BUTTON OPENER	P6F PAINT GRADE FINISH
MFR MANUFACTURER'S STANDARD FINISH	Y YES
MTL PREFINISHED METAL FRAME	
N NO OR NONE	

NOTES

I. DOOR HARDWARE:

- A. ALL DOOR AND LATCHES SHALL BE LEVER TYPE AND SHALL BE LOCATED 36" ABOVE FINISH FLOOR.
- B. DOOR HARDWARE SHALL NOT REQUIRE MORE THAN 8.5 LBS. OF FORCE TO OPERATE EXTERIOR DOOR AND NO MORE THAN 5 LBS. OF FORCE TO OPERATE INTERIOR DOORS. FIRE RATED DOORS MAY REQUIRE 15 LBS. OF FORCE TO OPERATE. PRESSURE TO OPERATE DOORS SHALL BE MEASURED AT RIGHT ANGLES TO THE HINGED DOORS.
- C. THRESHOLDS MAY NOT BE MORE THAN 1/2" HIGH AND EXPOSED EDGES SHALL BE BEVELED, WITH A SLOPE NO GREATER THAN 45 DEGREES. MAXIMUM ALLOWED SINGLE VERTICAL CHANGE IN ELEVATION SHALL BE 1/4".
- D. POSITIVE PRESSURE / SMOKE AND DRAFT CONTROL DOORS SHALL COMPLY WITH:
 1. UL - Underwriters Laboratories
 - a. UL10C - Positive Pressure Fire Tests of Door Assemblies
 2. NFPA - National Fire Protection Association
 - a. NFPA 80 - Fire Doors and Windows
 - b. NFPA 105 - Smoke and Draft Control Door Assemblies
 - c. NFPA 252 - Fire Tests of Door Assemblies
3. Fire-Rated Openings: NFPA 80 compliant. Hardware UL10C / California State Fire Marshal Standard 12-7-4 (positive pressure) compliant for given type/size opening and degree of label. Provide proper latching hardware, non-flaming door closers, approved-bearing hinges, and resilient seals. Coordinate with wood door section for required intumescent seals. Furnish openings complete.
4. A fire-rated smoke and draft control gasket shall be installed to the opening per NFPA 105. The smoke and draft control gasket shall be labeled showing compliance with CBC 715.4.5.3, CMC 407.31, 715.4.3. Smoke gaskets are to be installed per instructions provided with the gasket system and must be compatible with the door and frame type. Fire rating label on the door shall show the letter "S".

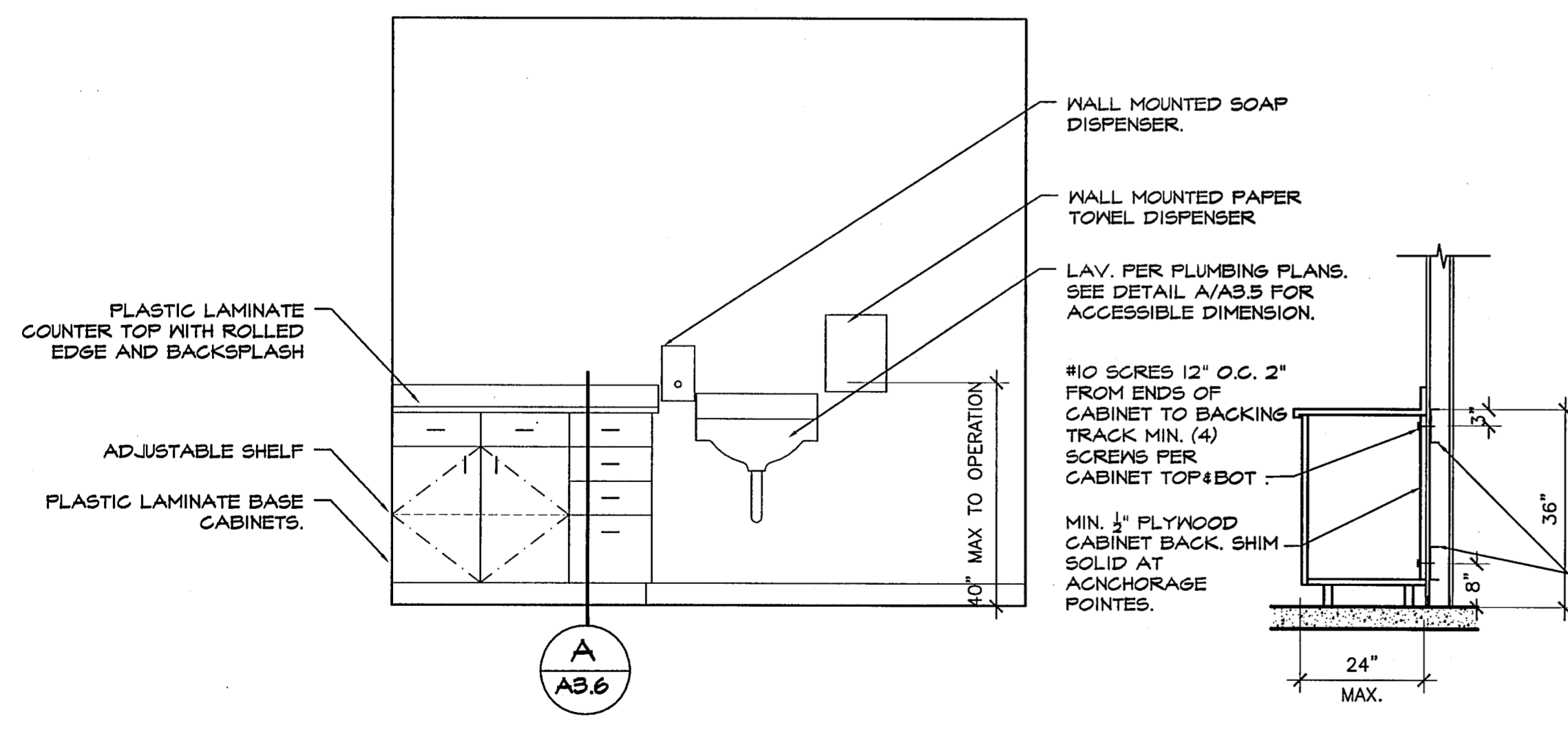
2. ACCESSIBILITY AND SIGNAGE

- MEN'S REST ROOM SIGN CENTERED ON DOOR AND MOUNTED AT 60" A.F.F. SIGN TO BE 1/4" THICK, EQUILATERAL TRIANGLE EDGES 12" LONG AND VERTEX POINTING UPWARD IN CONTRASTING COLOR PER CALIF. SEC. 42B. WALL MOUNTED SIGN ASE TO THE LATCH SIDE OF THE DOOR. 6" SQUARE INTERNATIONAL SYMBOL OF ACCESSIBILITY WITH VERBAL DESCRIPTION BELOW. SIGN LOCATED 60" FROM FLOOR. SEE SIGN AGE NOTES.
- WOMEN'S REST ROOM SIGN CENTERED ON DOOR AND MOUNTED AT 60" A.F.F. SIGN TO BE 1/4" THICK, 12" DIAMETER IN CONTRASTING COLOR PER CALIF. SEC. 42B. WALL MOUNTED SIGN ASE TO THE LATCH SIDE OF THE DOOR. 6" SQUARE INTERNATIONAL SYMBOL OF ACCESSIBILITY WITH VERBAL DESCRIPTION BELOW. SIGN LOCATED 60" FROM FLOOR. SEE SIGN AGE NOTES.
- ALL BUILDING ENTRANCES SHALL BE IDENTIFIED BY A STANDARD SIGN WITH THE INTERNATIONAL SYMBOL OF ACCESSIBILITY WITH ADDITIONAL SIGNS AT JUNCTIONS, TO BE VISIBLE TO PERSONS ALONG APPROACHING PEDESTRIAN WAYS. THE SYMBOL SHALL BE A WHITE FIGURE ON A BLUE BACKGROUND. BRAILLE, RAISED CHARACTERS, AND PICTORIAL SYMBOLS SIGNS SHALL BE USED WHENEVER SPECIALLY REQUIRED, AND SHALL CONFORM TO THE STANDARDS SET FORTH IN THE CODE. SEE FLOOR PLAN FOR SIGNAGE LOCATIONS.

DOORS WITHIN THE ACCESSIBLE PATH OF TRAVEL:

- ALL LATCHING AND LOCKING HAND ACTIVATED DOORS SHALL OPERATE WITH A SINGLE EFFORT WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE. LOCKED EXIT DOORS SHALL OPERATE AS ABOVE IN EGRESS DIRECTION.

DOOR SHALL BE OF A SIZE TO PERMIT INSTALLATION OF A DOOR NOT LESS THAN 31" IN WIDTH AND NOT LESS THAN 6'-8" IN HEIGHT. WHEN INSTALLED EXIT DOORS SHALL BE CAPABLE OF OPENING AT LEAST 90 DEGREES AND SHALL BE MOUNTED SO THAT THE CLEAR WIDTH OF THE EXIT DOOR IS NOT LESS THAN 32". MEASURED BETWEEN THE FACE OF THE DOOR AND THE OPPOSITE STOP.



(I) INTERIOR ELEVATION- HALL #229
SCALE: 1/2" = 1'-0"

(A) SECTION
SCALE: 1/2" = 1'-0"

O.S.H.P.D. PROJECT #SI-101318-56

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR.

APPROVED

APR 05 2011

Office of Statewide Health Planning & Development FACILITIES DEVELOPMENT DIVISION

COUNTY OF VENTURA
PUBLIC WORKS AGENCY
ENGINEERING SERVICES DEPARTMENT

PROJECT MANAGER

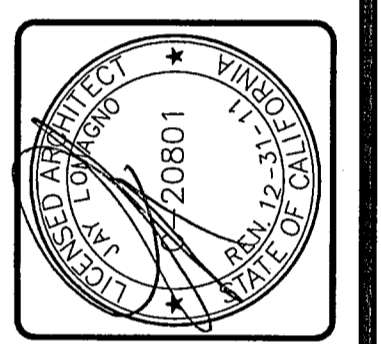
SPEC. NUMBER CP11-05 SHEET 9 OF 31

PROJECT NUMBER ENT11103 DRAWING NUMBER 113557

MAMMOGRAPHY ROOMS
& NEEDLE BIOPSY ROOM
VENTURA COUNTY MEDICAL CENTER
3291 LOMA VISTA ROAD
VENTURA, CALIFORNIA

Sheet No.
A3.6

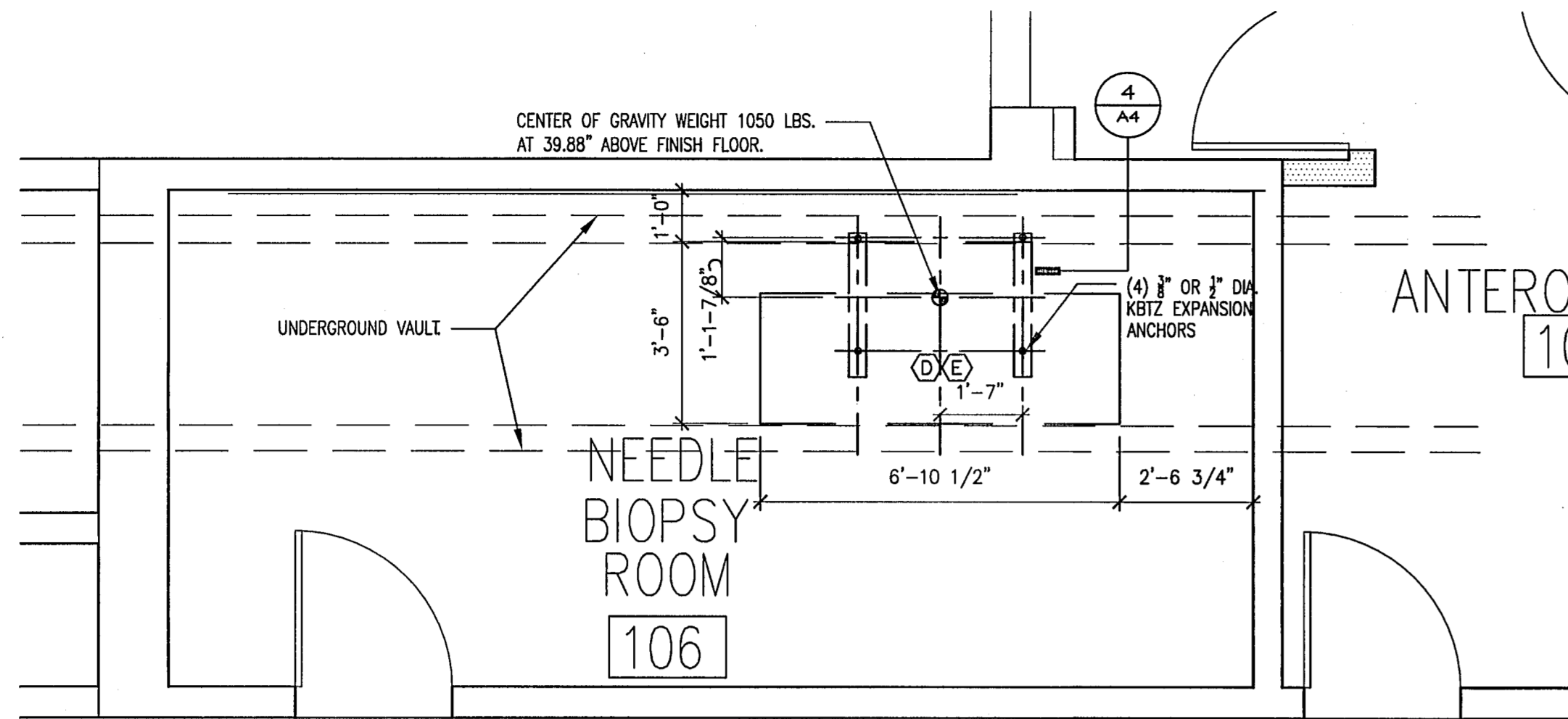
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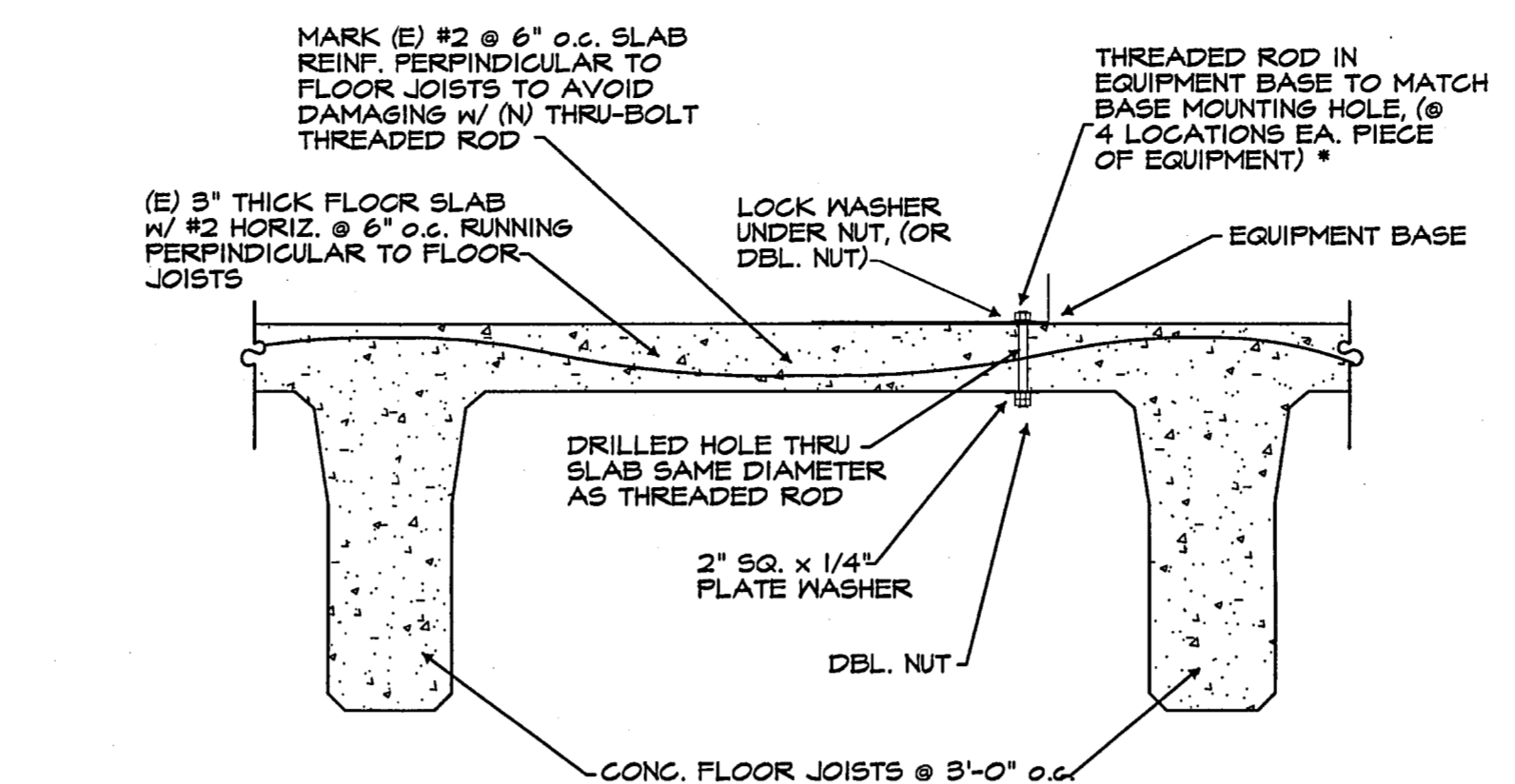
Sheet: ROOM FINISH & SCHEDULE
Title: DOOR SCHEDULE

Revisions: R&A No: 000443
12-29-10 OSHPD CORR. Date: 06-01-10
03-30-11 OSHPD CORR. Drawn: CJH
Checked: JLL
Consult: No.

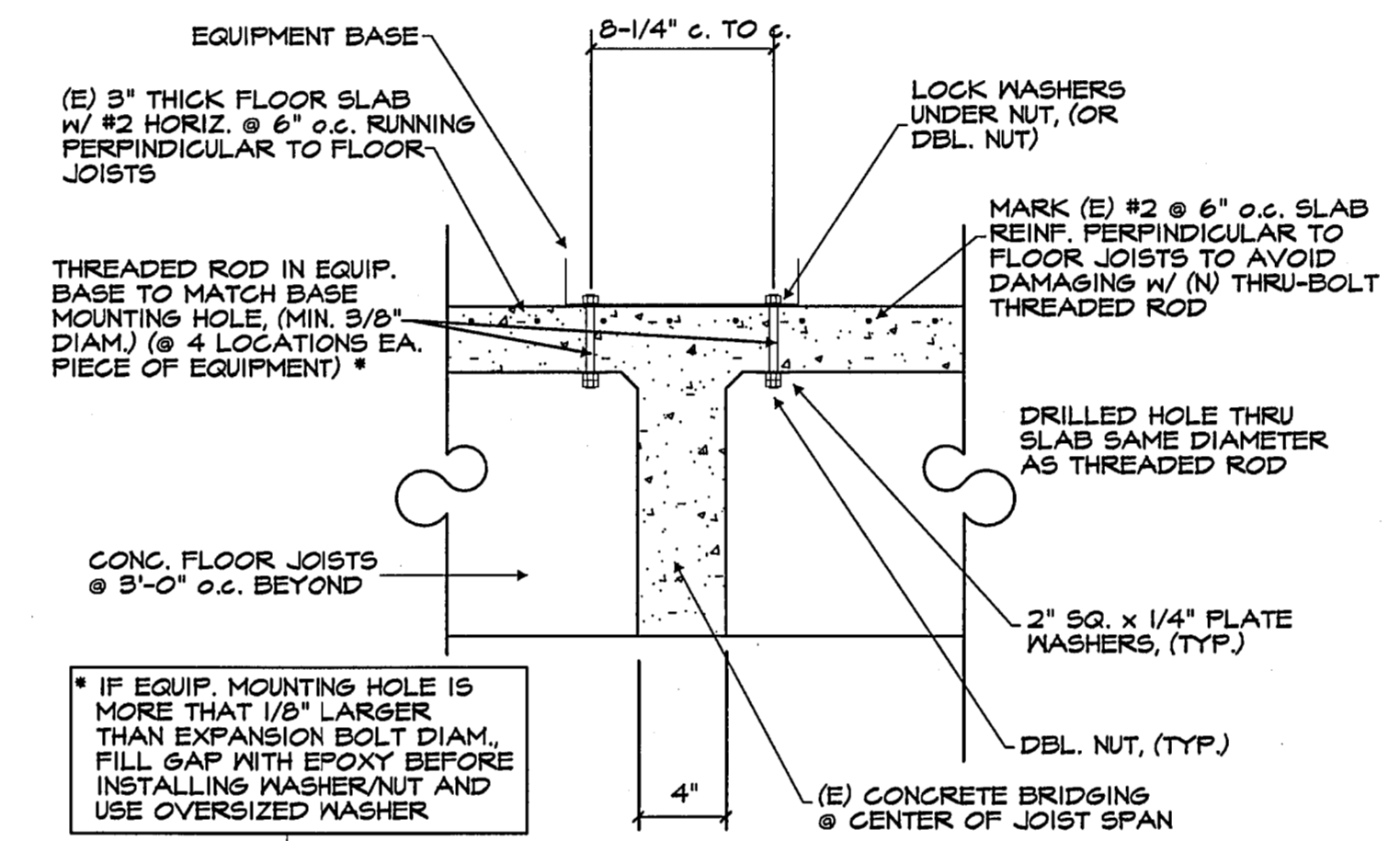
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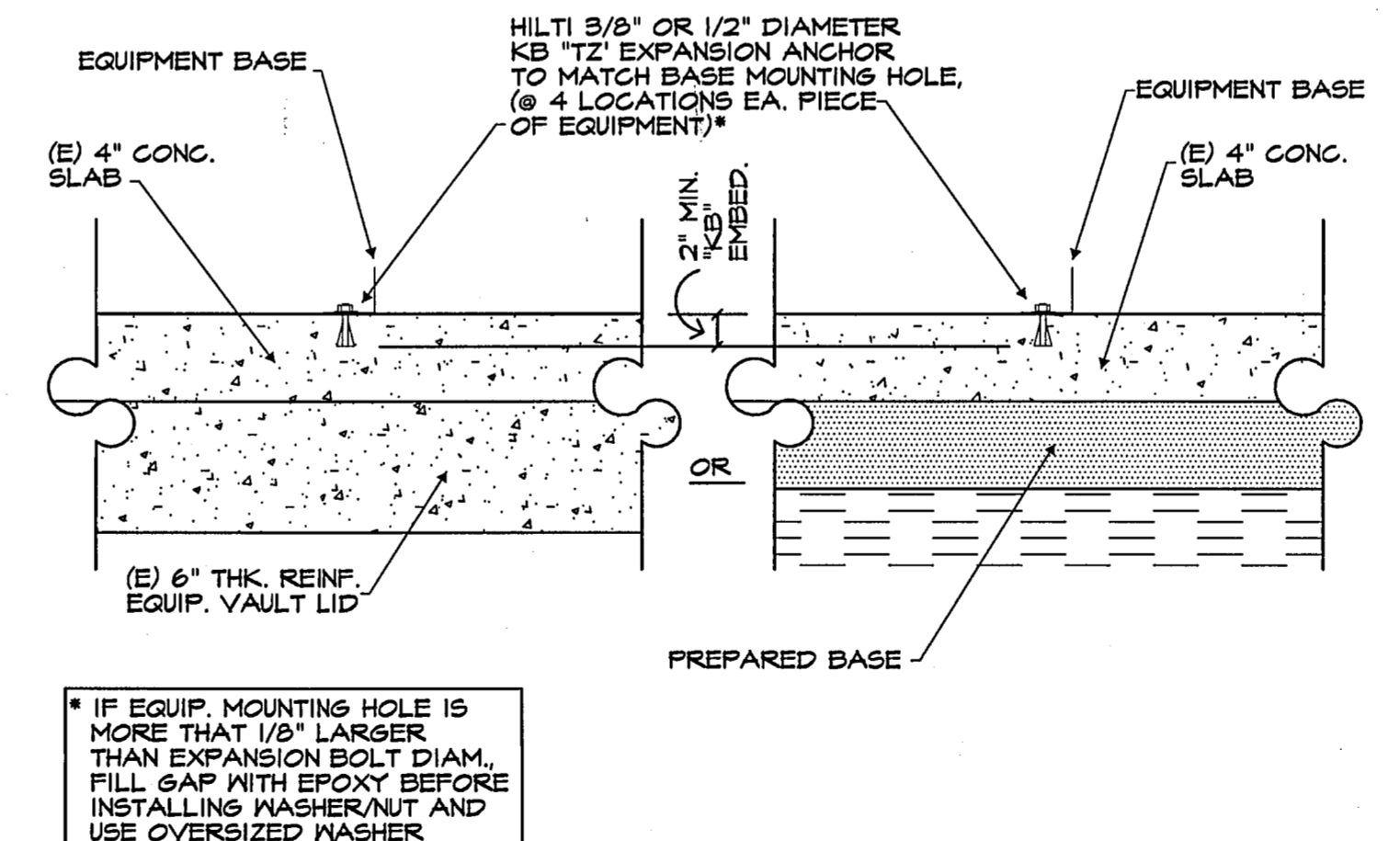
A MULTI CARE TABLE ANCHORAGE
SCALE 3/8" = 1'-0"



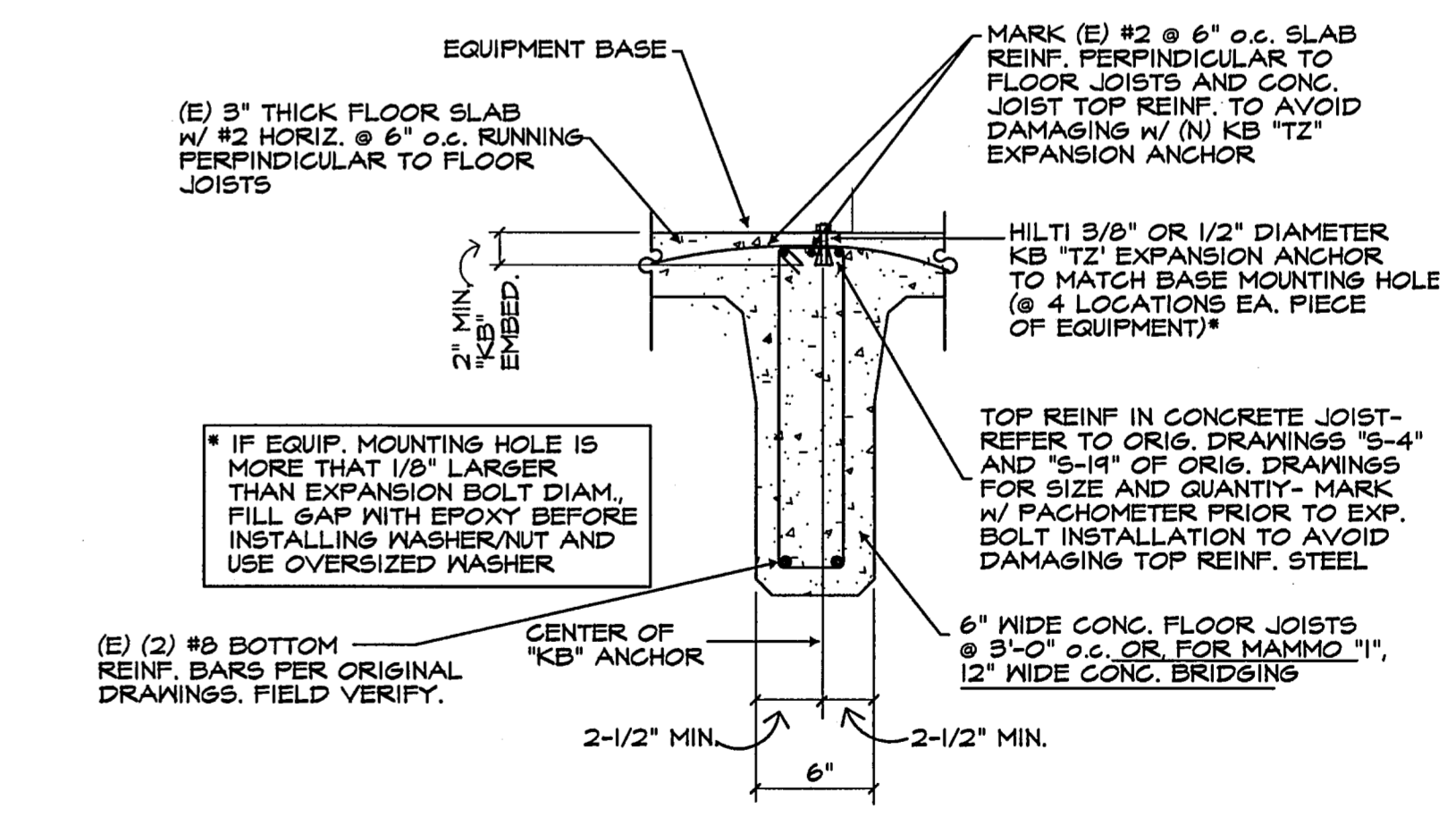
2 MAMMO EQUIPMENT ANCHORAGE THROUGH (E) 3" FLOOR SLAB
SCALE: 1-1/2" = 1'-0"



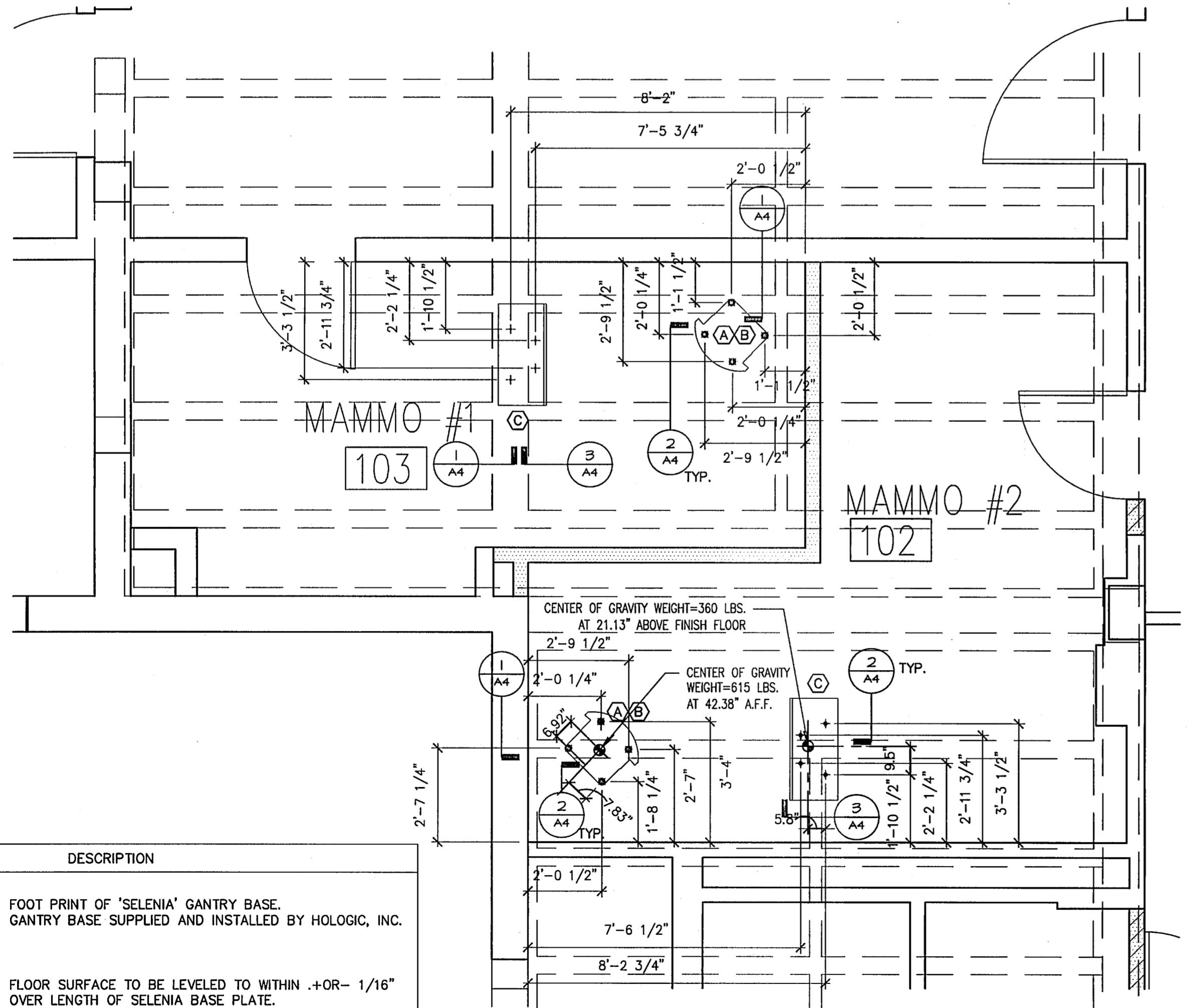
3 THRU-BOLT ANCHORAGE @ MAMMO 2 CONSOLE
SCALE: 1-1/2" = 1'-0"



4 MULTI-CARE PLATINUM EQUIPMENT ANCHORAGE IN (E) 4" CONG. SLAB
SCALE: 1-1/2" = 1'-0"



1 MAMMO EQUIPMENT ANCHORAGE IN (E) 6" WIDE CONG. FLOOR JOIST
SCALE: 1-1/2" = 1'-0"



LORAD SELENIA WORKSTATION & GANTRY ANCHORAGE PLAN
SCALE 1" = 1'-0"

ITEM	DESCRIPTION
(A)	FOOT PRINT OF 'SELENIA' GANTRY BASE. GANTRY BASE SUPPLIED AND INSTALLED BY HOLOGIC, INC.
(B)	FLOOR SURFACE TO BE LEVELED TO WITHIN +.0R- 1/16" OVER LENGTH OF SELENIA BASE PLATE.
(C)	FOOT PRINT OF 'ACQUISITION WORKSTATION' BASE. CONSOLE BASE SUPPLIED AND INSTALLED BY HOLOGIC, INC.
(D)	FOOT PRINT OF 'MULTICARE PLATINUM' TABLE BASE. TABLE BASE SUPPLIED AND INSTALLED BY HOLOGIC, INC.
(E)	FLOOR SURFACE TO BE LEVELED TO WITHIN +.0R- 1/16" OVER LENGTH OF MULTICARE PLATINUM BASE PLATE.

GENERAL NOTES

- ALL WORK SHALL CONFORM WITH THE 2007 CALIFORNIA BUILDING CODE, (CBC), TITLE 24.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO STARTING CONSTRUCTION AND BRING TO THE ATTENTION OF THE ENGINEER ANY DISCREPANCIES OR INCONSISTENCIES.
- NO STRUCTURAL MEMBER SHALL BE CUT, NOTCHED, BORED OR OTHERWISE WEAKENED EXCEPT AS ALLOWED BY THE CALIFORNIA BUILDING CODE OR APPROVED BY THE ENGINEER.
- THE ENGINEER SHALL BE NOTIFIED OF ANY UNUSUAL OR UNFORSEEN CONDITION WHICH EFFECTS THE STRUCTURAL STABILITY OF THE BUILDING PRIOR TO CONTINUING WITH CONSTRUCTION. SHOULD ANY CONDITION ARISE WHERE THERE APPEARS TO BE AN ERROR ON THE DRAWINGS OR A DISCREPANCY BETWEEN THE DRAWINGS AND CONDITIONS IN THE FIELD, THE ENGINEER SHALL BE NOTIFIED PRIOR TO CONTINUING WITH THE WORK.
- IN THE CASE WHERE TWO OR MORE DETAILS APPLYING TO THE SAME PART OF THE WORK ARE IN CONFLICT, THE MOST RESTRICTIVE SHALL GOVERN UNLESS CLARIFIED OR OTHERWISE APPROVED BY THE ENGINEER.
- REVIEW OF SHOP DRAWINGS MEANS REVIEW OF GENERAL METHOD OF FABRICATION ONLY. DIMENSIONS AND QUANTITIES MAY NOT BE CHECKED, AND REVIEW OF THE SHOP DRAWINGS DOES NOT RELIEVE THE CONTRACTOR FROM COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS UNLESS SPECIFICALLY SO INDICATED IN THE REVIEW.
- THE ENGINEER HAS NOT BEEN RETAINED FOR SUPERVISION OR INSPECTION DURING CONSTRUCTION BUT WILL RESOLVE STRUCTURAL ITEMS BROUGHT TO HIS ATTENTION DURING CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SHORING AND BRACING REQUIRED TO PROTECT PERSONNEL AND ADJACENT PROPERTY DURING CONSTRUCTION. THE CONTRACTOR SHALL ADEQUATELY BRACE ELEMENTS OF THE STRUCTURE DURING CONSTRUCTION TO INSURE THE SAFETY OF THE STRUCTURE.
- REFER TO THE ARCHITECTURAL DRAWINGS FOR DIMENSIONS, ELEVATIONS, AND SLOPES NOT SHOWN ON THE STRUCTURAL DRAWINGS.
- (E) INDICATES EXISTING CONDITION OR MEMBER, (N) NEW.
- NOTE THAT EXISTING CONDITIONS HAVE NOT BEEN FIELD VERIFIED DUE TO AN EXISTING HARD LID CEILING IN THE SUBJECT ROOM. AFTER THE EXISTING CEILING HAS BEEN REMOVED, THE ENGINEER SHALL BE NOTIFIED PRIOR TO CONTINUING WITH WORK SO THAT HE MAY VERIFY THE ASSUMED EXISTING CONDITIONS.
- THE GENERAL CONTRACTOR SHALL INSTALL ALL EQUIPMENT ANCHORAGE.

STRUCTURAL STEEL

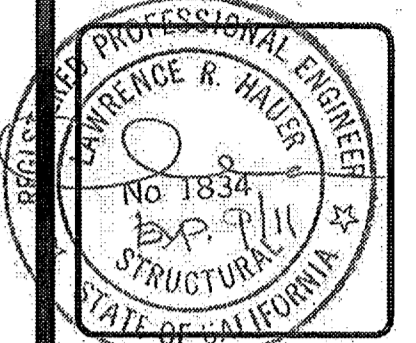
- ALL STRUCTURAL STEEL SHALL CONFORM TO ASTM A-36.
- BOLT HOLES SHALL BE 1/16 INCH LARGER THAN BOLT DIAMETER UNLESS SLOTTED HOLES ARE INDICATED IN DETAILS. BOLT HOLES SHALL BE FINISHED OR DRILLED, BURNED HOLES ARE NOT PERMITTED.
- BOLT HEADS OR NUTS BEARING ON SLOPING SURFACES SHALL BE EQUIPPED WITH BEVELED WASHERS.
- MACHINE BOLTS AND THREADED RODS SHALL CONFORM TO ASTM A-307 AND SHALL BE DOUBLE NUTTED WHERE SHOWN, OTHERWISE, USE A LOCK WASHER BETWEEN NUT AND CONTACT SURFACE.

NOTE:

HILTI "KWIK-BOLT TZ" CONCRETE ANCHORS SHALL BE CARBON STEEL AND CONFORM TO AND BE INSTALLED PER: ICC ES REPORT #1917 WITH THE FOLLOWING TORQUE AND EFFECTIVE EMBEDMENT INTO THE EXISTING CONCRETE: 1/2" DIAM. KB "TZ": 40 FT. LB. TORQUE W/ 2" EMBED. 3/8" DIAM. KB "TZ": 25 FT. LB. TORQUE W/ 2" EMBED. ALSO SEE WEDGE ANCHOR DETAIL 2/A4.

NOTE:

FOR THE INSTALLATION OF THE KB - "TZ" EXPANSION BOLTS AND "THRU-BOLT" THREADED RODS AT THE TWO MAMMO AREAS, THE CONTRACTOR SHALL LOCATE THE EXISTING CONCRETE FLOOR SLAB AND JOIST TOP REINFORCING STEEL PRIOR TO ANCHORAGE INSTALLATION TO AVOID DAMAGING THE EXISTING REINFORCING STEEL. (BY MEANS OF A PACHOMETER). LOCATE ALL NEW ANCHORAGE BOLTS AND THREADED RODS "A MINIMUM OF 1" ADJACENT TO" EXISTING REINFORCING STEEL IN THE TOP OF EXISTING CONCRETE FLOOR SLABS OR FLOOR JOISTS.



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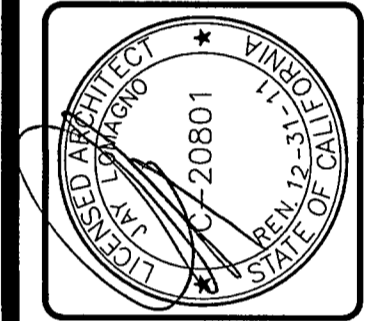


TABLE ANCHORAGE & DETAILS, GENERAL NOTES	
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Date:	06-01-10
Drawn:	CJH
Checked:	JLL
Consult:	NC

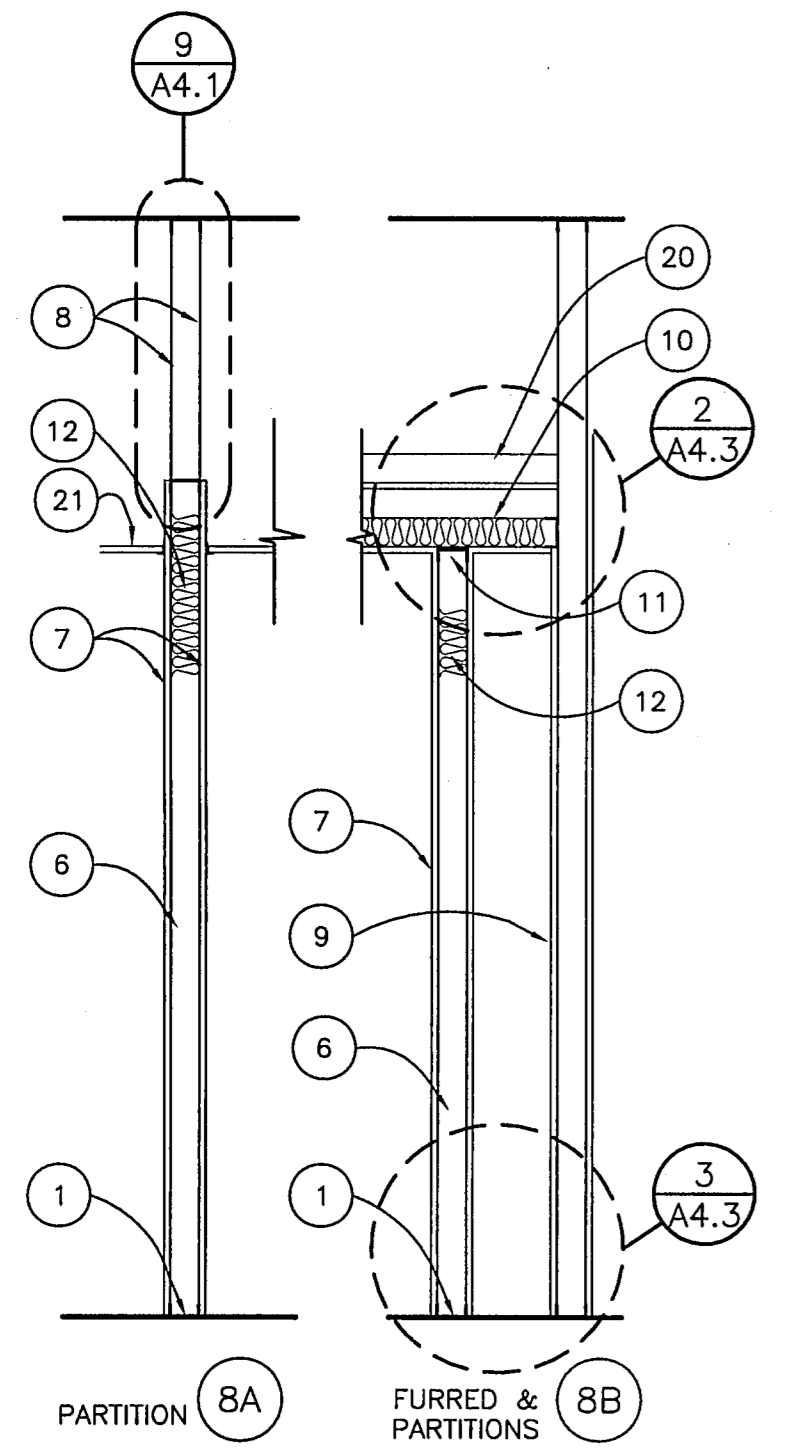
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Sheet No.
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O.S.H.P.D. PROJECT #SL 101318-56
APPROVED
APR 05 2011
Office of Statewide Health Planning & Development
FACILITIES DEVELOPMENT DIVISION

COUNTY OF VENTURA
PUBLIC WORKS AGENCY
ENGINEERING SERVICES DEPARTMENT
PROJECT MANAGER
SPEC. NUMBER CP11-05 SHEET 10 OF 31
PROJECT NUMBER ENT11103 DRAWING NUMBER 1/3558

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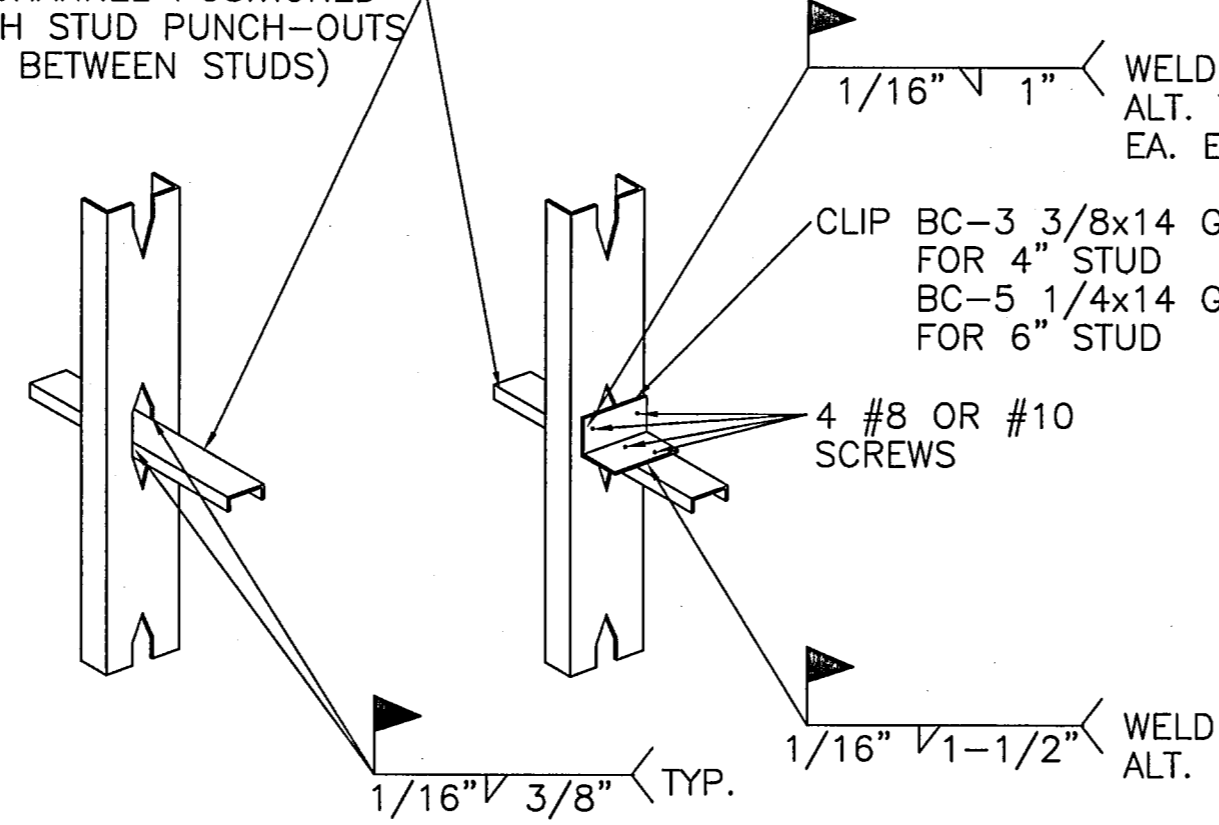
2-#10 SMS EA. LEG TYP.
NOTE - SCREWS MAY BE INSTALLED FROM EITHER SIDE OF STUD.

L 1-1/2" X 1-1/2" X 16 GA. X 3-1/2" LONG. TYP.

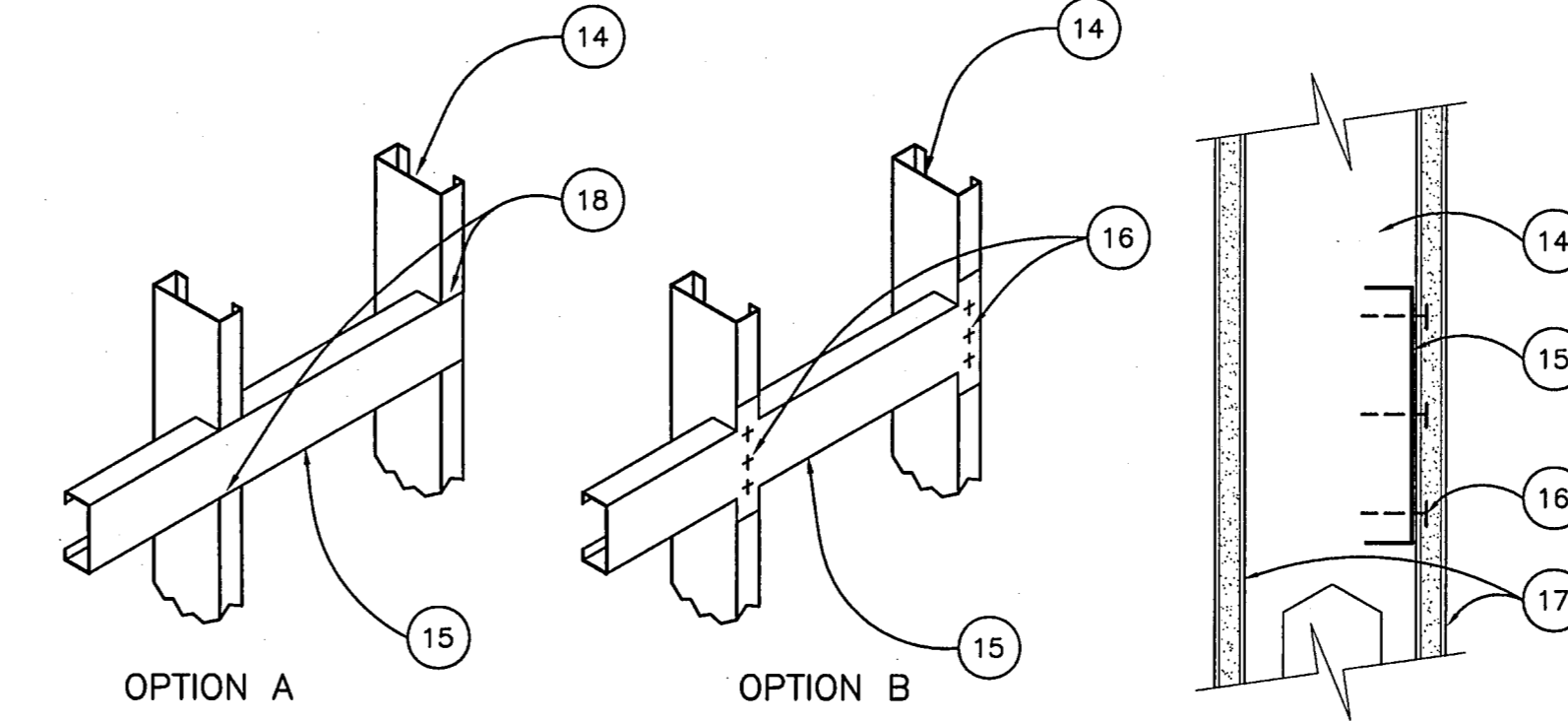
NEW OR EXISTING STUDS

3-5/8" X 16 GA. (CEE OR CHANNEL SECTION) STUD BRIDGING @ 48" O.C.

CONT. CHANNEL POSITIONED THROUGH STUD PUNCH-OUTS (SPLICE BETWEEN STUDS)



BRIDGING CHANNEL ATTACHED IN STUD PUNCH-OUT (USE FOR STUD 4" AND SMALLER)	BRIDGING CHANNEL ATTACHED USING BRIDGE CLIP (B.C.) (USE FOR STUDS 6" AND LARGER)
BRIDGING SPACING (VERTICAL)	UP TO 4'-0" HIGH - NOT REQUIRED 4'-1" TO 8'-0" HIGH - ONE ROW 8'-1" AND GREATER - 4'-0" O.C.

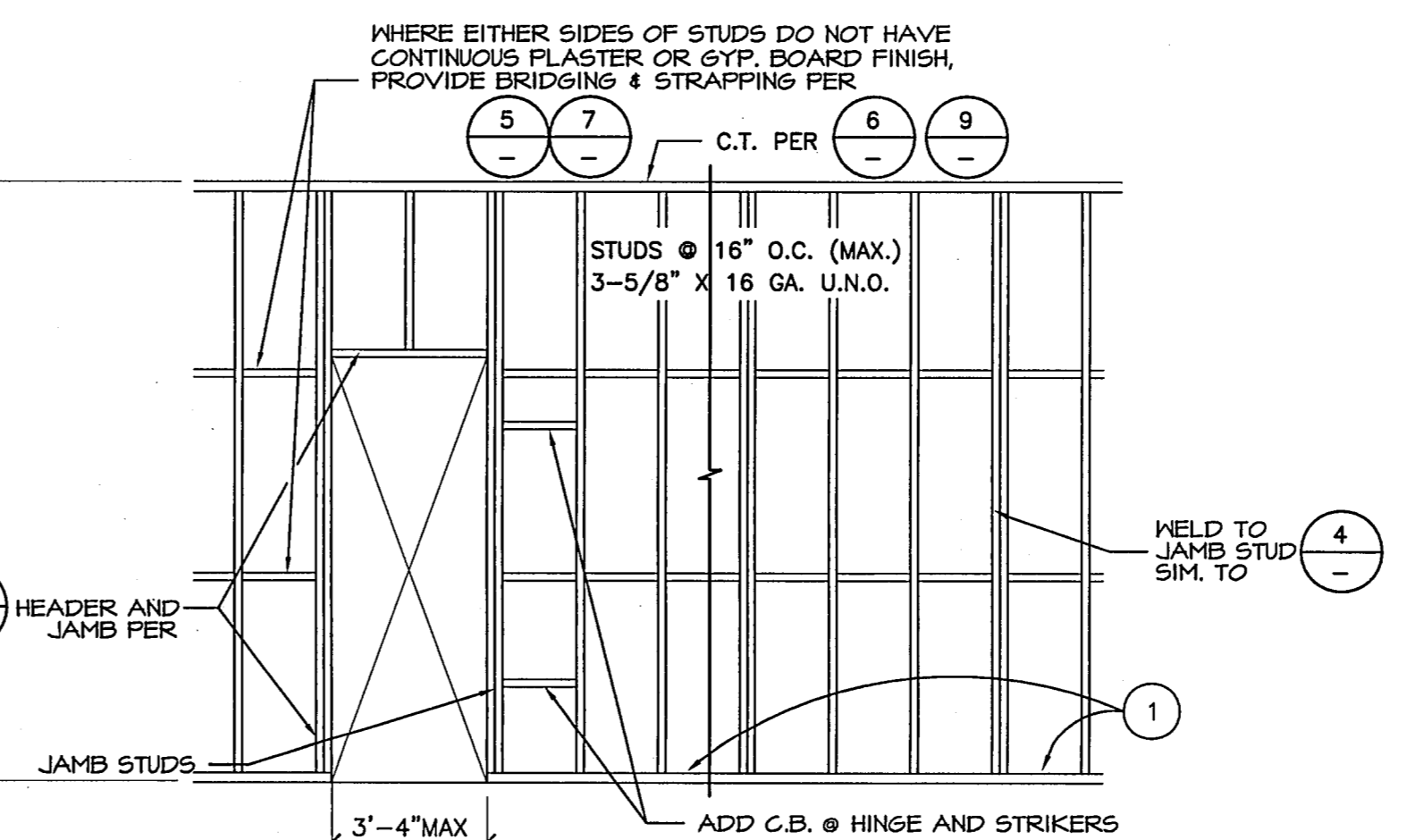


1 BACKING PLATE
SCALE: 3"=1'-0"

BOLT DIAMETER	3/8"		1/2"		5/8"		3/4"		
	MIN. EMBEDMENT	2"	3"	3-1/4"	4"	3-1/2"	5"	3-3/4"	
DESIGN	MAX. TENSION (LBS.)	HARD ROCK	1102	1102	1167	2386	2386	2280	3301
		SAND LT. WT. CONC.	937	937	992	2028	2028	1938	2806
		CONC. FILL/MTL DECK	709	709	709	1272	1272	971	2255
DESIGN	MAX. SHEAR (LBS.)	HARD ROCK	999	999	2839	2839	2839	4678	6313
		SAND LT. WT. CONC.	999	999	2839	2839	2839	4678	6313
		CONC. FILL/MTL DECK	944	944	1330	2192	2192	2039	2677
TEST	TORQUE WRENCH (FT.-LBS.)	HARD ROCK	25	25	40	40	40	60	110
		SAND LT. WT. CONC.	25	25	40	40	40	60	110
		CONC. FILL/MTL DECK	25	25	40	40	40	60	110

- ACCEPTABLE DRILLED ANCHORS:**
- 1) HILTI KWIK BOLT TZ (ICC-ES ESR-1917).
 - 2) CONCRETE SHALL HAVE A MINIMUM STRENGTH OF 3000 P.S.I. (HARD ROCK) OR 3000 PSI (LT. WT.)
 - 3) ALL ANCHORS REQUIRE SPECIAL INSPECTION. TEST & INSPECT INSTALLATION OF 100% OF ANCHORS.
 - 4) ALL FABRICATED DESIGN VALUES FOR BOLTS ARE 100% OF ALLOWABLE SEISMIC TENSION AND SHEAR (ASD), CRACKED CONCRETE, ICC-ES VALUES FOR HARD ROCK CONCRETE AND LT. WT. CONC.
 - 5) VALUES ARE FOR SINGLE ANCHORS WITH NO EDGE DISTANCE OR SPACING REDUCTIONS AND NO SUPPLEMENTARY REINFORCEMENT (CONDITION B). SINGLE ANCHORS MUST BE SPACED A MINIMUM OF 1.5 TIMES THE EFFECTIVE EMBEDMENT DEPTH FROM A FREE EDGE AND A MINIMUM OF 3 TIMES THE EFFECTIVE EMBEDMENT DEPTH FROM NEARBY ANCHORS. FOR OTHER CASES, CONSULT THE ENGINEER OF RECORD (EOR).
 - 6) WHEN INSTALLING DRILLED-IN ANCHORS IN NON-PRESTRESSED REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE REINFORCING BARS OR OTHER EMBEDDED ITEMS SUCH AS ELECTRICAL/TELECOMMUNICATIONS CONDUIT AND GAS LINES. WHEN INSTALLING DRILLED-IN ANCHORS INTO PRESTRESSED CONCRETE (PRE- OR POST-TENSIONED), LOCATE TENDONS DURING INSTALLATION. MAINTAIN A MINIMUM CLEARANCE OF ONE INCH BETWEEN THE REINFORCEMENT AND THE DRILLED-IN ANCHOR.
 - 7) TESTING SHALL BE PERFORMED IN THE PRESENCE OF INSPECTOR OF RECORD (IOR).

2 DRILLED-IN WEDGE ANCHORS

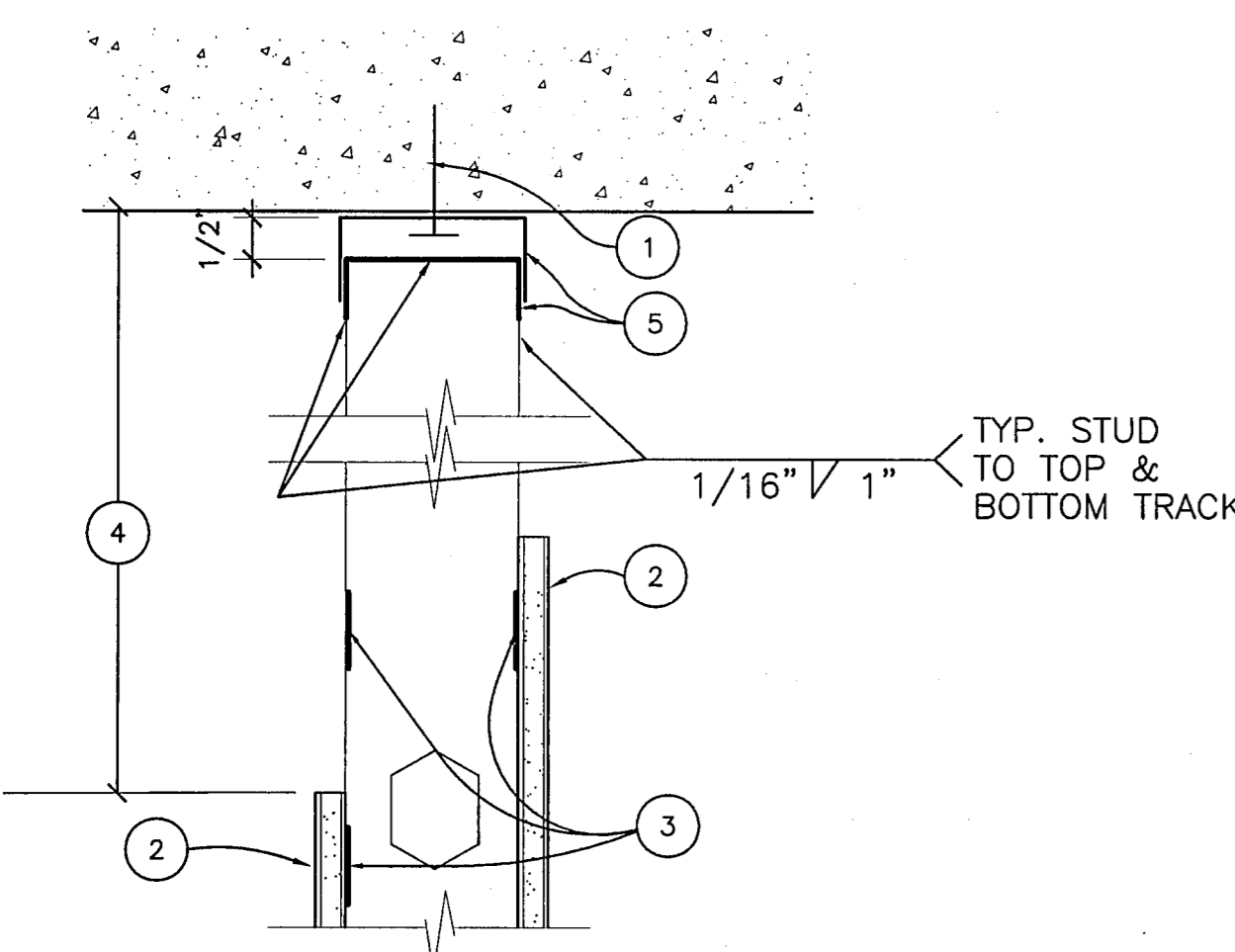


NOTE:

- A. FOR OPENING SIZE AND LOCATION, SEE ARCHITECTURAL AND/OR MECHANICAL SHEETS.
- B. ALL LIGHT GAUGE FRAMING WELDS SHALL BE 1/16" WIDE.
- C. ALL STUDS & ETC. SHALL BE 16 GAUGE H.D.S. SERIES W/ 1-1/2" FLANGES AND ALL TRACKS TO BE 14 GA. H.D.S. SERIES W/ 1-1/2" FLANGES U.N.O., PER ICC-ES ESR4443P

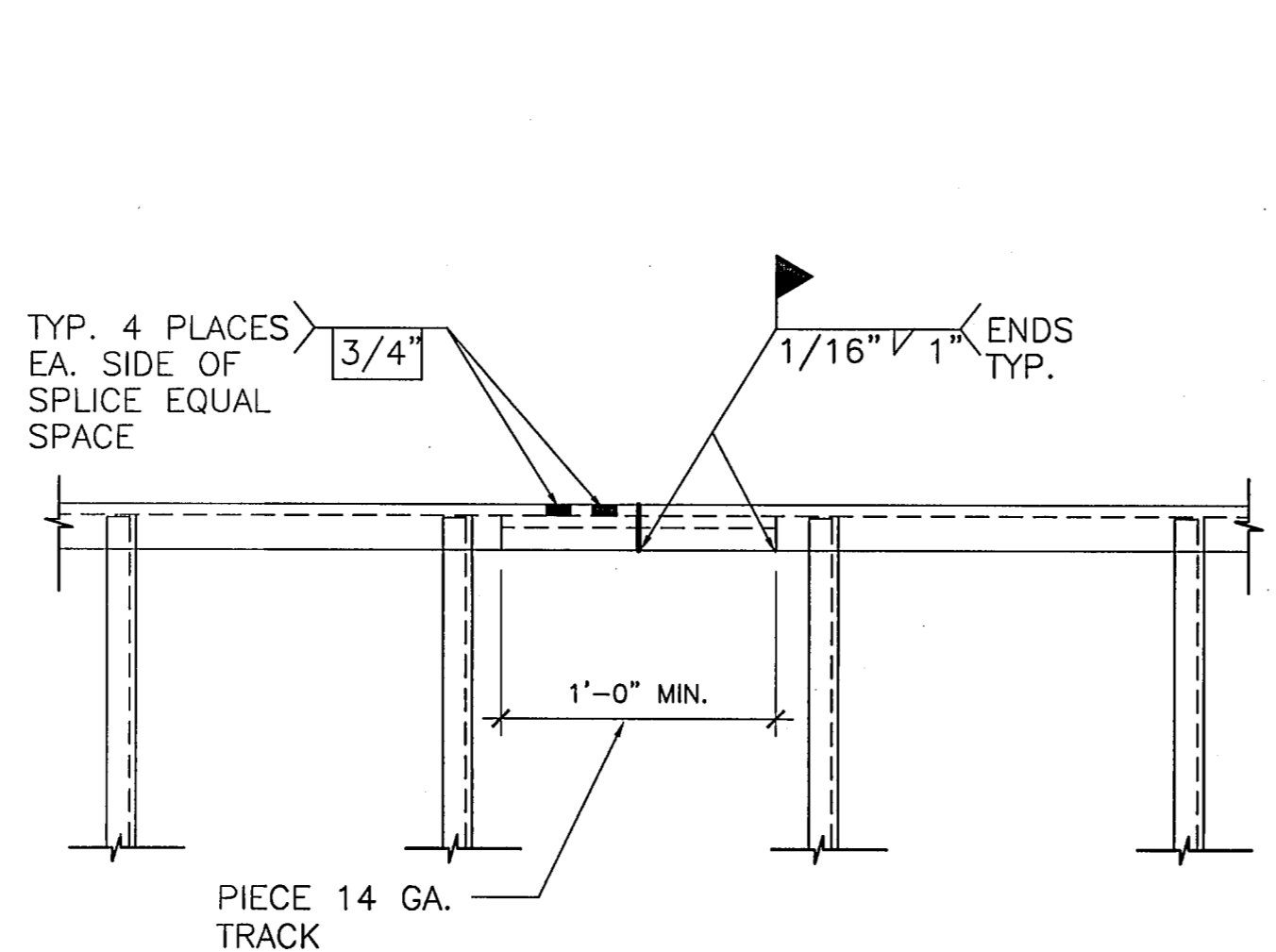
3 TYPICAL WALL FRAMING
N.T.S.

8 WALL TYPES
SCALE 1/2" : 1'-0"

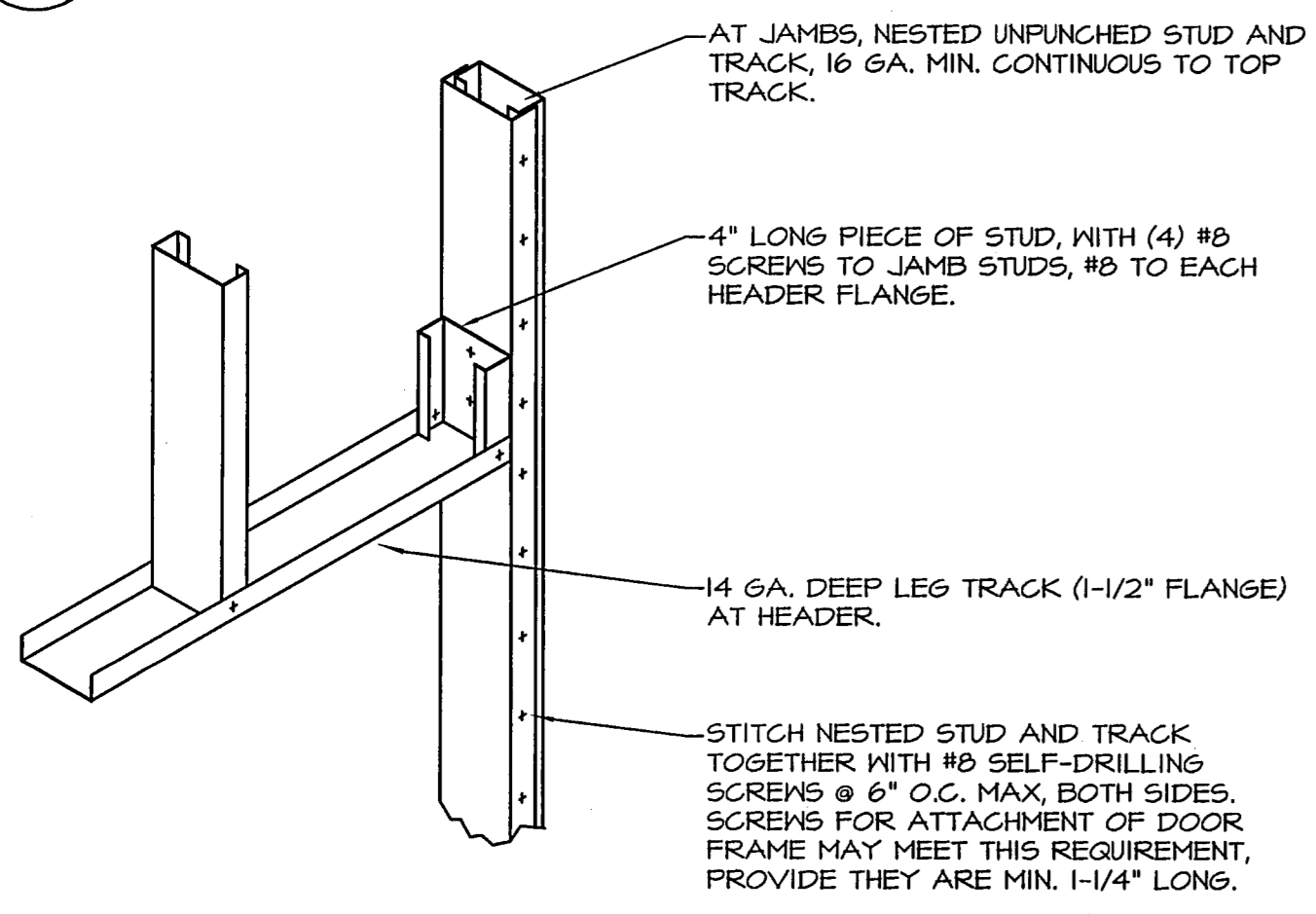


9 DOUBLE SLIP TRACK HEAD WALLS W/ NON-RATED OPENINGS
SCALE 3" : 1'-0"

5 CHANNEL BRIDGING
N.T.S.



6 TOP TRACK SPLICE
N.T.S.



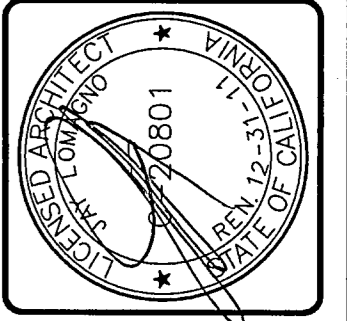
10 JAMB/HEADER FRAMING (3'-4" MAX.)
SCALE: N.T.S.

7 STRAPPING
N.T.S.

NOTE LEGEND

- 1 FASTEN TOP AND BOTTOM TRACKS TO FLOOR SLABS WITH SHOT PINS- RANGE 1500 (1/40" D), ICCB #1629, WITH 1-1/8" EMBEDMENT, @ 16" O.C. MAXIMUM 4" FROM END OF TRACK AND 2" FROM EA. SIDE OF JAMB STUD OR STUDS SUPPORTING EQUIPMENT ANCHORAGE OR BACKING PLATES, PLACE 2 SHOT-PINS @ 3" C.C. AT ONE SIDE OF JAMB STUD WHERE TRACK IS INTERRUPTED BY WALL OPENING.
- 2 5/8" GYPSUM BOARD FINISH, SCREW TO FRAMING WITH 1" TYPE 9 SCREWS @ 12" O.C. DO NOT SCREW TO UPPER SLIP TRACK. GYPSUM BOARD MAY TERMINATE AT FINISH CEILING (3" ABOVE ACOUSTIC GRID).
- 3 PROVIDE CONTINUOUS STAPPING AT TOP OF GYPSUM BOARD PER DETAIL 7 THIS SHEET.
- 4 WHERE LONGEST UNFINISHED FACE OF STUD EXCEEDS 24", PROVIDE BRIDGING AND STRAPPING PER DETAILS 6 AND 8, THIS SHEET. DIMENSION MAY BE INCREASED TO 48" WHERE EQUIPMENT OF FIXTURE ANCHORAGE DOES NOT OCCUR.
- 5 14 GAUGE DEEP LEG TRACK, DIETRICH TSC (2" LEG)
- 6 16 GAUGE STUDS AT 16" O.C., 3-5/8" MID TYPICAL, SEE DETAILS 3-4 ON THIS SHEET.
- 7 5/8" TYPE X GYPSUM BOARD, WITH NON-RATED OPENINGS. (NO GYPBD. ON INTERIOR OF FURRED SPACES)
- 8 ALL STUD FLANGES NOT COVERED WITH GYPSUM BOARD SHALL RECEIVE STRAPPING AND BRIDGING PER DETAILS 5/AS AND 7/AS, SEE ADDITIONAL INFORMATION AT DETAIL 8/AS. COORDINATE WITH MECHANICAL FOR FAN COIL FILTER ACCESS.
- 9 EXISTING WALL WITH 3/4" GYPSUM PLASTER ON 4" METAL STUDS @ 24" O.C. MAX. (FIELD VERIFY). IF OVER 24" O.C. NOTIFY A.O.R.
- 10 DEMOLISH (E) PLASTER CEILING AND JOISTS AND REPLACE WITH 5/8" TYPE X GYPSUM BOARD (NON-RATED CEILING) ON 3-5/8" X 16 GA. JOIST AT 16" O.C. (MAX. SPAN 9'-0") STRAP UNFINISHED FLANGES PER DETAIL 7/AS. JOIST TRACKS AT BOTH ENDS OF JOISTS SHALL BE FASTENED TO EACH WALL STUD WITH #12 SCREWS; NO SUSP. WIRES REQ'D. JOISTS SHALL BE FASTENED TO TRACKS W/ #10 @ TOP & BOTTOM FLANGE OF TRACK.
- 11 FASTEN TOP TRACK TO PERPENDICULAR (N) CEILING JOISTS BLOCKING AT 16" O.C. WITH #14 SCREWS.
- 12 PROVIDE R-II BATT INSULATION AT NEW WALLS AND CEILINGS. (NO INSULATION IN FURRED WALLS.)
- 13 NOT USE.
- 14 EXISTING OR NEW STEEL STUDS.
- 15 6" x 16 GA. UNPUNCHED DEEP LEG TRACK (1-1/2" LEGS); NOTCH LEGS @ STUDS. EXTEND TRACK AS REQUIRED TO TERMINATE AT A STUD. FASTEN TO A MINIMUM OF THREE STUDS.
- 16 CUT AND BEND TRACK FLANGES AT STUD, AND FASTEN WITH (3) #10 SCREWS TO EACH STUD.
- 17 5/8" GYPSUM BOARD FINISH OR EXISTING 3/4" GYPSUM PLASTER WHERE OCCURS. PATCH EXISTING PLASTER @ ALL NEW PENETRATIONS.
- 18 NOTCH TRACK FLANGES AS SHOWN, AND WELD TO EACH STUD WITH 1/16" FILLET WELD, 1" LONG, TOP AND BOTTOM.
- 19 NOT USE
- 20 EXISTING CEILING FRAMING TO REMAIN.
- 21 ACOUSTIC CEILING WHERE OCCURS.

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Sheet Title	REVISIONS	REA No.	Date	Drawn by	Checked by	Consult. No.
STRUCTURAL DETAILS	12-29-10 USHPD CORR.	000443	05-01-10	CH	JUL	

MAMMOGRAPHY ROOMS & NEEDLE BIOPSY ROOM
VENTURA COUNTY MEDICAL CENTER
 3291 LOMA VISTA ROAD
 VENTURA, CALIFORNIA

O.S.H.P.D. PROJECT #SL-101318-56

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR APPROVED

APR 05 2011

Office of Statewide Health Planning & Development FACILITIES DEVELOPMENT DIVISION

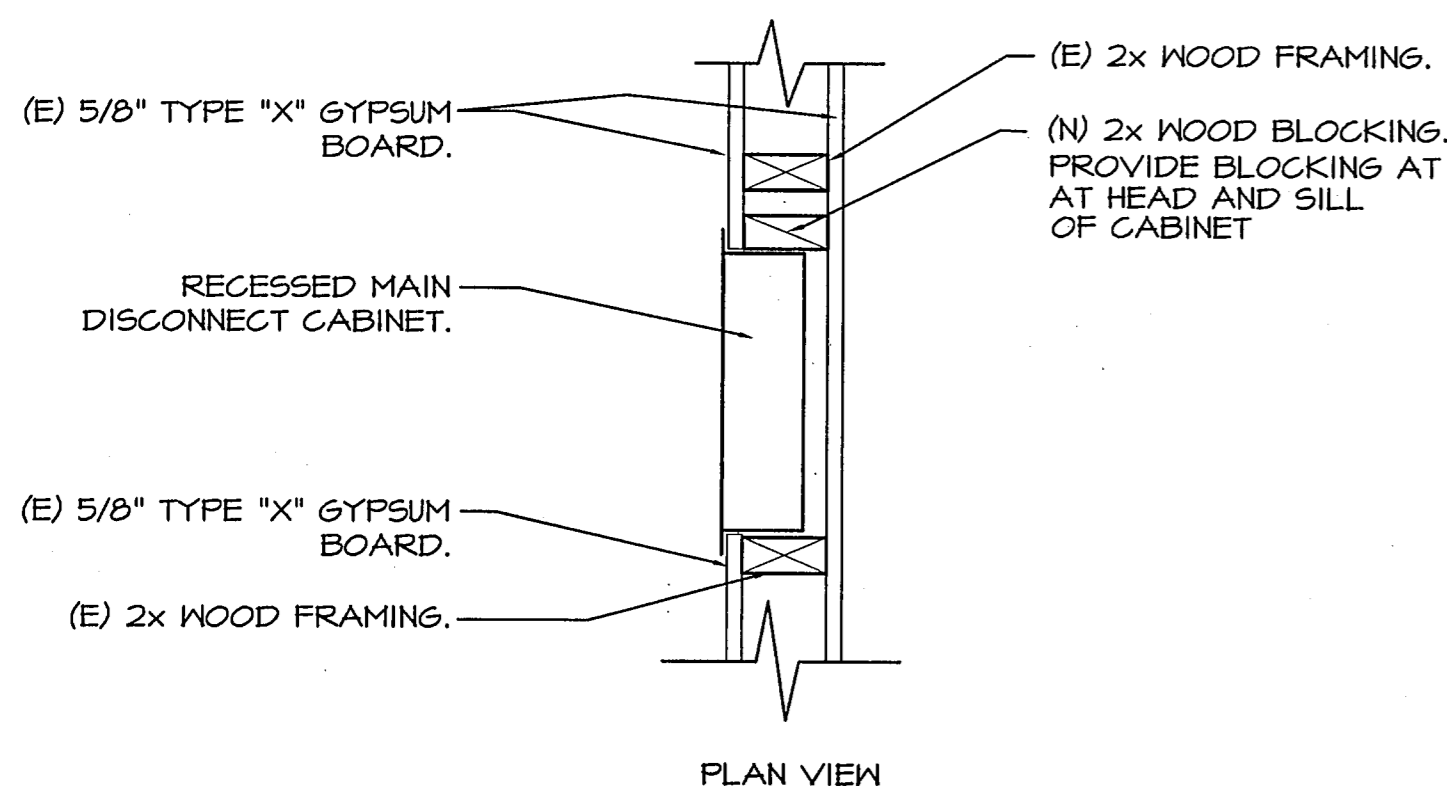
COUNTY OF VENTURA
PUBLIC WORKS AGENCY
ENGINEERING SERVICES DEPARTMENT

PROJECT MANAGER

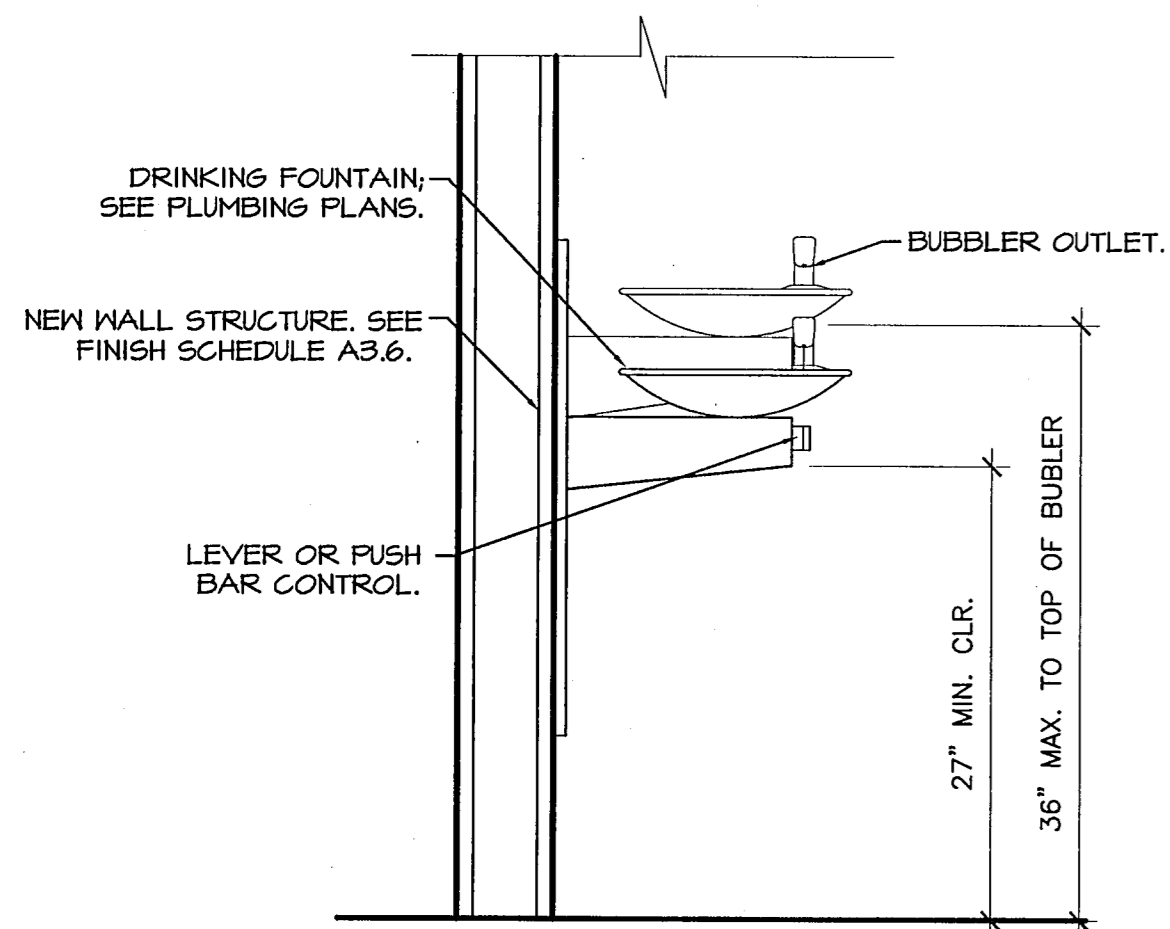
SPEC. NUMBER CP11-05	SHEET 11	OF 31
PROJECT NUMBER ENT11103	DRAWING NUMBER 119559	

Sheet No.
A4.1

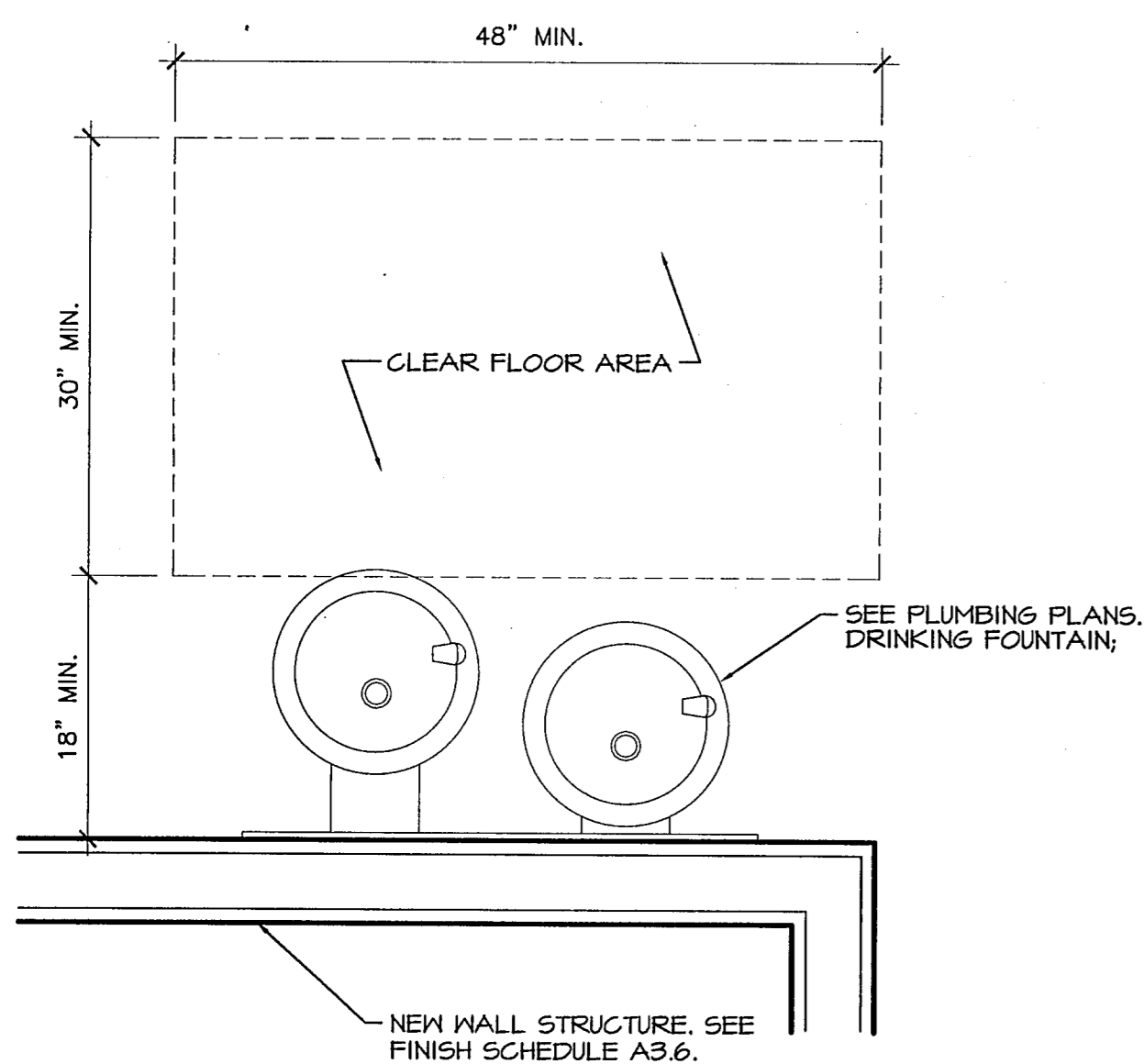
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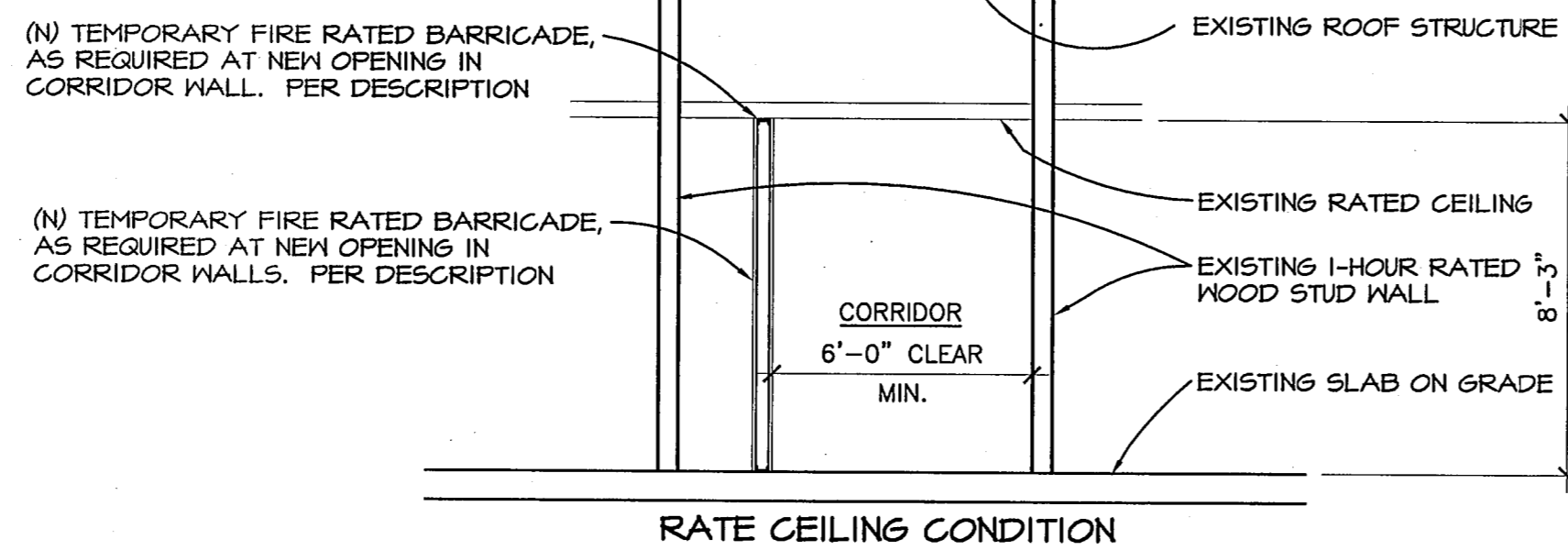
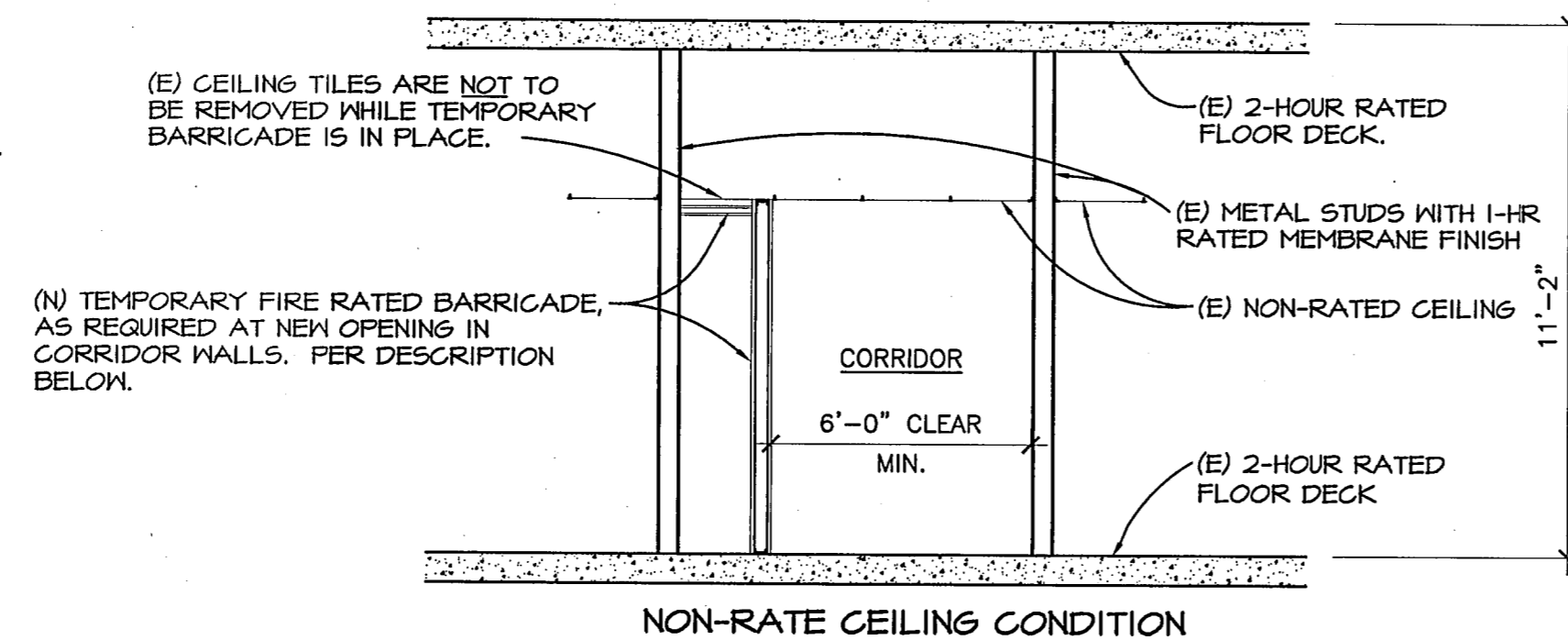
9 CABINET IN (E) WALL
 SCALE 1-1/2" : 1'-0"



A ELEVATION



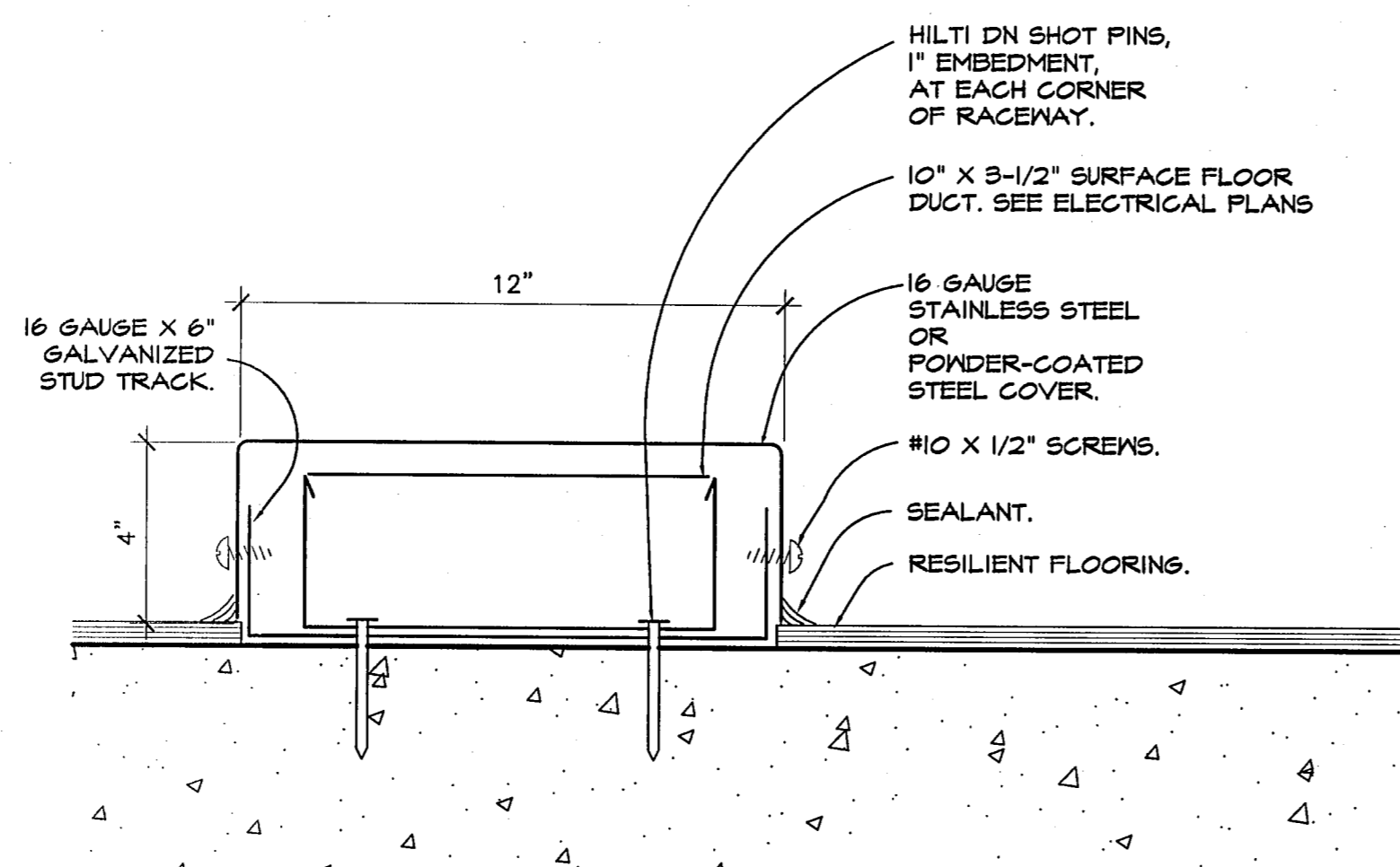
10 HANDICAP ACCESSIBLE HIGH/LOW DRINKING FOUNTAIN
 SCALE N.T.S.



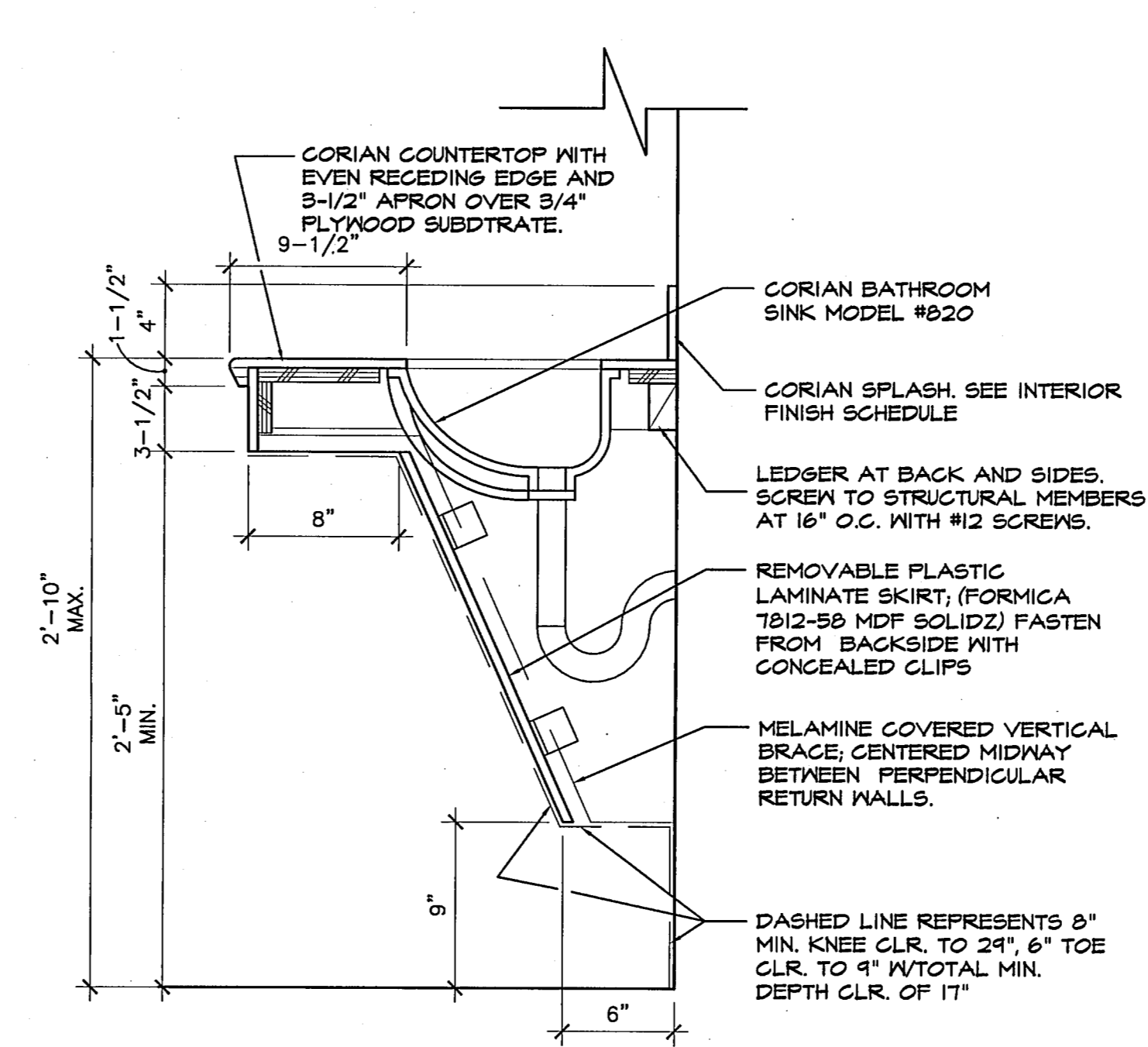
REQUIREMENTS FOR OPENINGS AND PENETRATIONS AT RATED CONSTRUCTION

1. PENETRATIONS: ANY NEW PENETRATIONS THROUGH CORRIDOR WALLS, BUILDING/SMOKE SEPARATION WALLS, OR FLOOR/ROOF STRUCTURAL DECKS SHALL BE FIRESTOPPED; SEE DETAILS AT MECHANICAL AND ELECTRICAL DRAWINGS.
2. CORRIDOR CONSTRUCTION OPENINGS: ANY OPENINGS IN THE EXISTING CORRIDOR WALL DURING THE CONSTRUCTION PROCESS SHALL BE PROTECTED BY A TEMPORARY BARRICADE. TEMPORARY BARRICADE SHALL BE ONE-HOUR RATED CONSTRUCTION. OPTION 1: 2-1/2" X 25 GAUGE USG SHAFTWALL STUDS AT 24" O.C. WITH 1" GYPSUM SHAFT LINER ONE SIDE, AND 5/8" TYPE X GYPSUM BOARD ONE SIDE (1-HOUR RATING PER NER 250); OPTION 2: 2-1/2" X 25 GAUGE STUDS AT 24" O.C. WITH 5/8" TYPE X GYPSUM BOARD BOTH SIDES (1 HOUR-RATING PER GYPSUM ASSOC. WP 1340). FASTEN SILL TRACK TO FLOOR WITH SHOT PINS AT 32" O.C.; SEE WALL FRAMING DETAILS AND NOTES FOR SHOT PIN REQUIREMENTS. FASTEN METAL FRAMING WITH #8 SCREWS AT 24" O.C. BARRICADE DOORS SHALL BE 20 MINUTE "S" RATED ASSEMBLIES, SELF-CLOSING WITH SMOKE AND DRAFT SEALS.
3. COORDINATE WITH OSHPD FIELD FIRE & LIFE SAFETY OFFICER PRIOR TO CONSTRUCTION / INSTALLATION OF TEMPORARY BARRICADES.
4. TEMPORARY BARRIERS SHALL CONFORM TO UL SYSTEM U425.

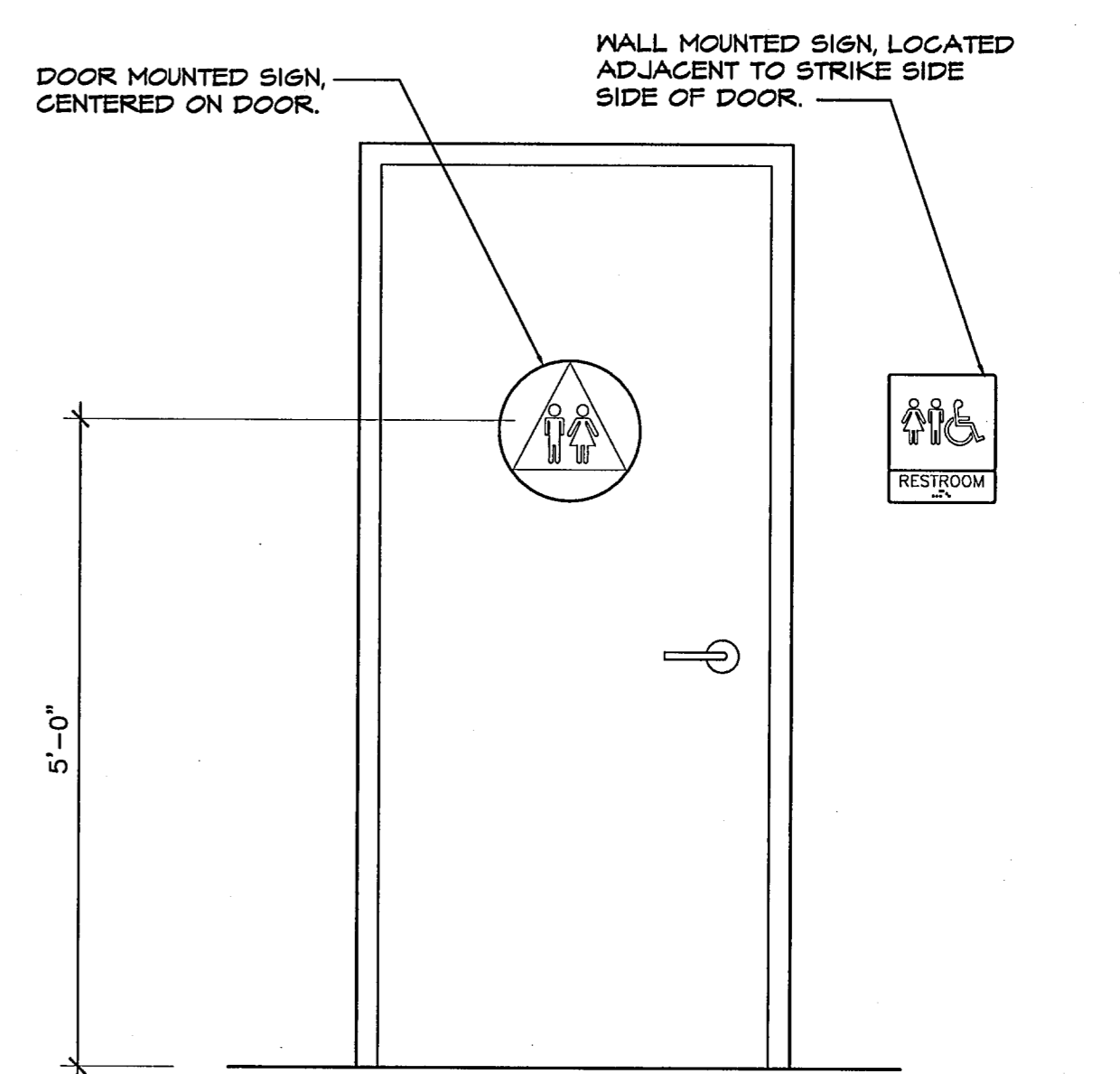
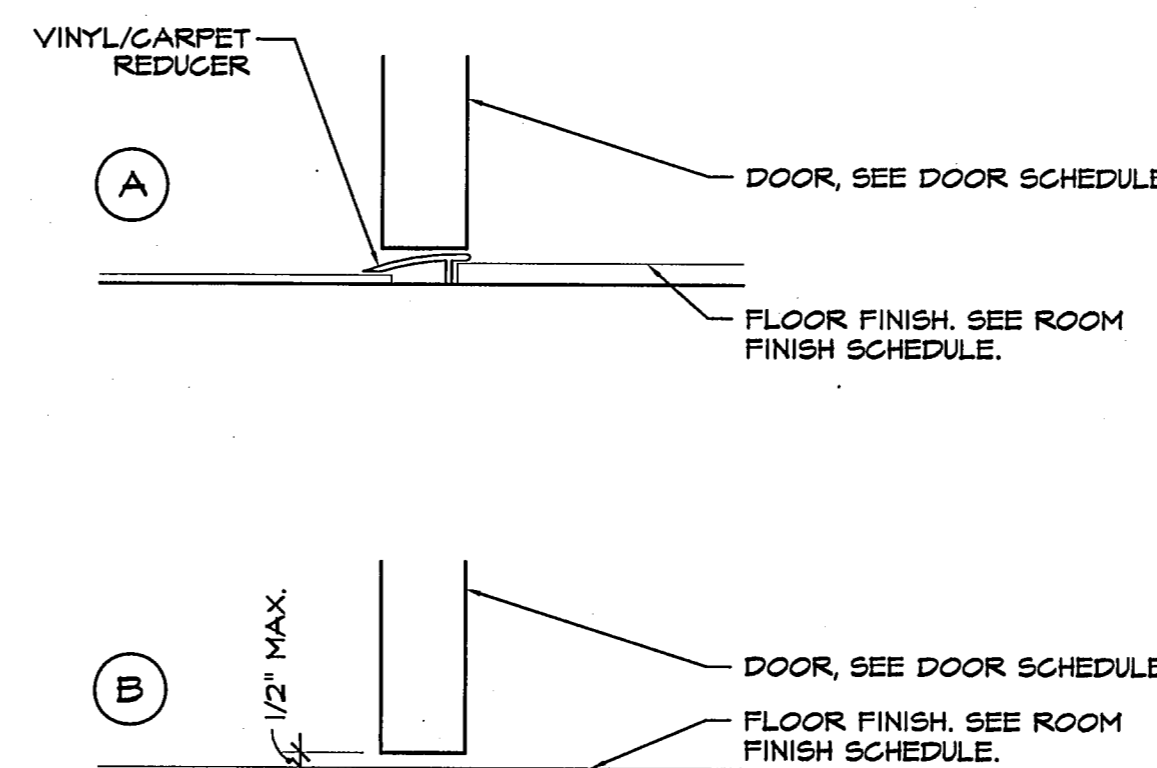
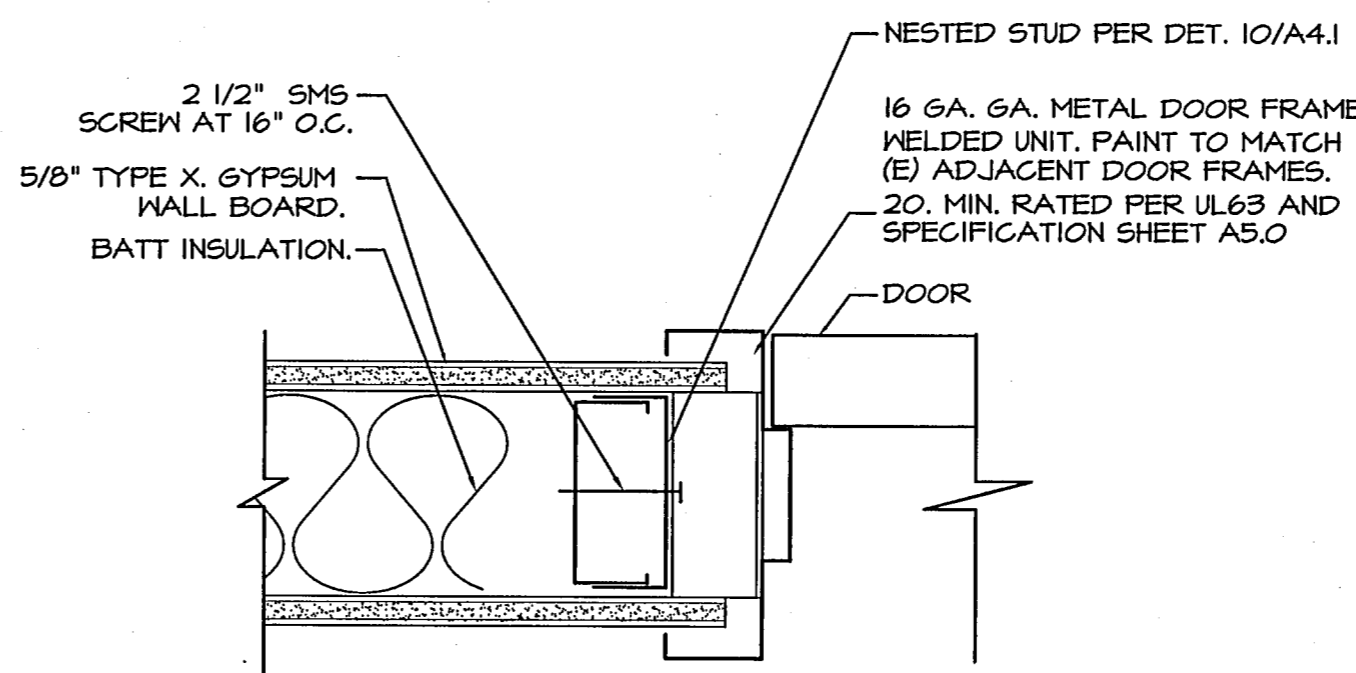
7 EXISTING CORRIDOR CONSTRUCTION
 NOT TO SCALE



4 LAVATORY COUNTER TOP
 SCALE 1-1/2" : 1'-0"

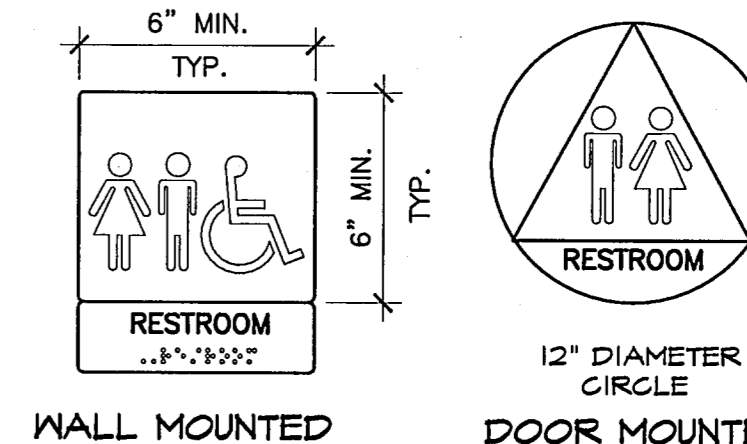


5 20. RATED METAL DOOR JAMB (HEAD SIM.)
 SCALE 3" : 1'-0"

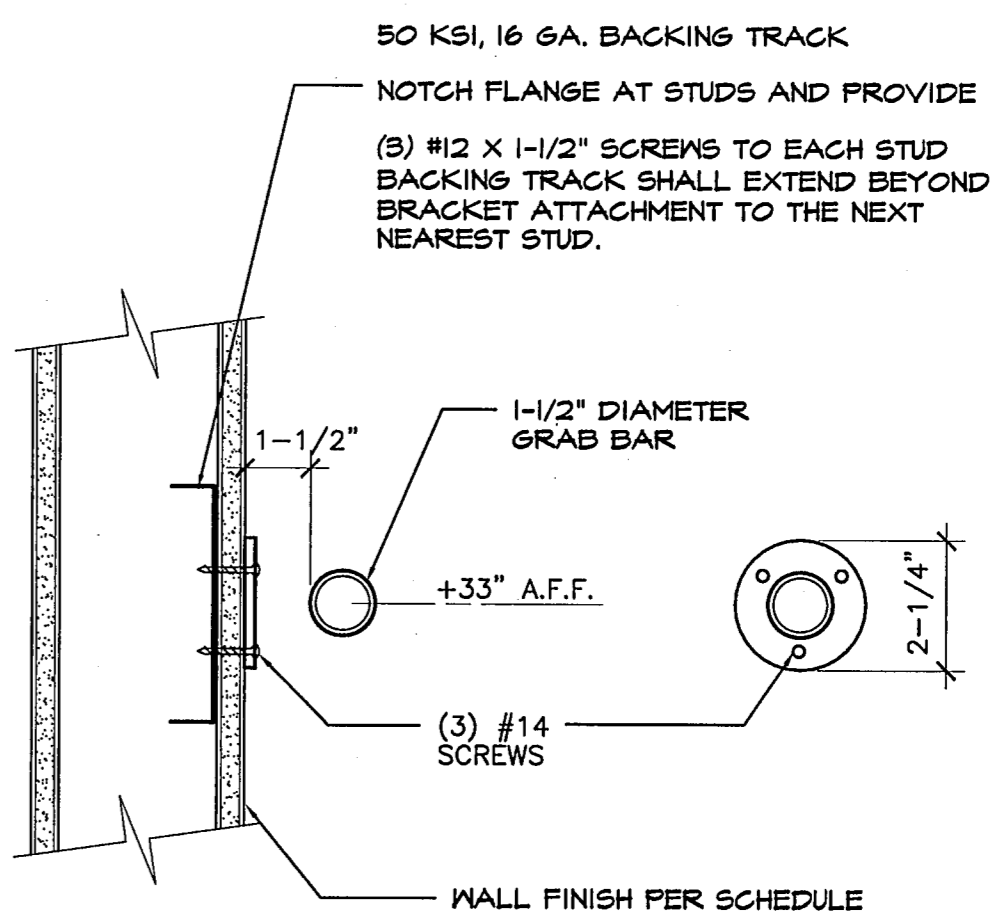


1 TOILET SIGN LOCATIONS
 NOT TO SCALE

1. SIGNS SHALL BE MATTE FINISH PLASTIC, WHITE GRAPHICS ON CONTRASTING BACKGROUND.
2. WALL MOUNTED SIGN TEXT SHALL BE 5/8" - 2" HIGH, AND SHALL BE RAISED 1/32".
3. WALL MOUNTED SIGNS SHALL HAVE GRADE 2 BRAILLE.



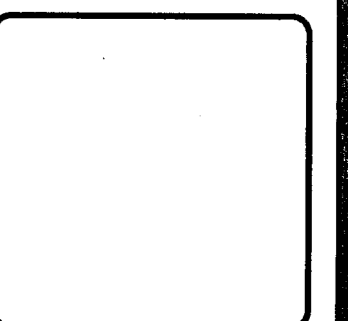
2 TOILET ROOM SIGNS
 NOT TO SCALE



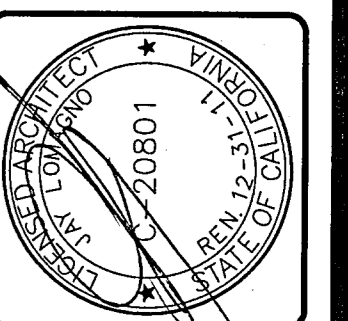
3 GRAB BAR
 SCALE: 3"=1'-0"

O.S.H.P.D. PROJECT #SL 101318-56
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COUNTY OF VENTURA PUBLIC WORKS AGENCY ENGINEERING SERVICES DEPARTMENT	
PROJECT MANAGER	
SPEC. NUMBER CP11-05	SHEET 12 OF 31
PROJECT NUMBER ENT11103	DRAWING NUMBER 113560



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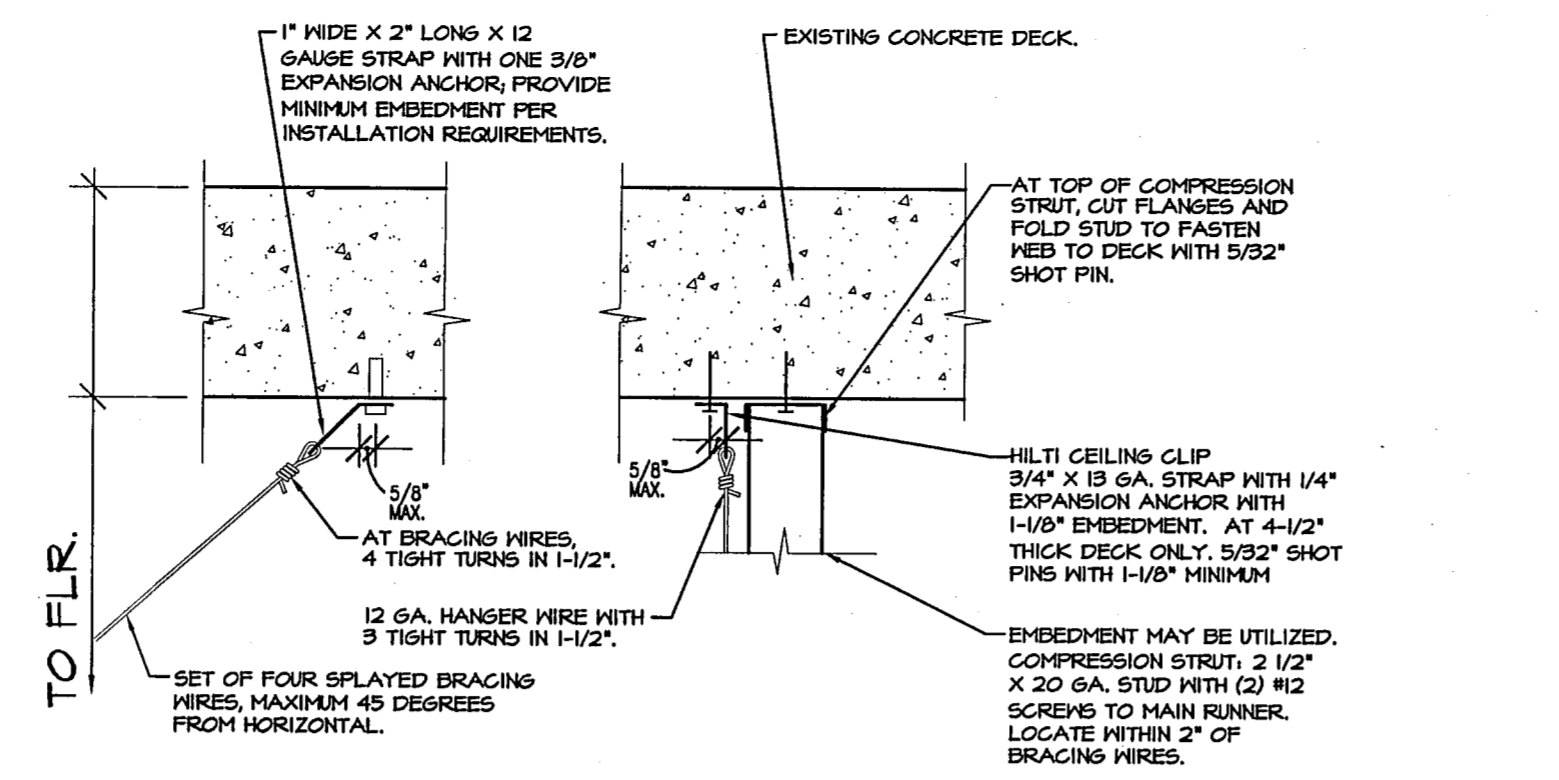
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Revisions	NO. DATE	DATE	05-01-10
03-30-11	OSHPD CORR.	DRAWN	CIH
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MAMMOGRAPHY ROOMS
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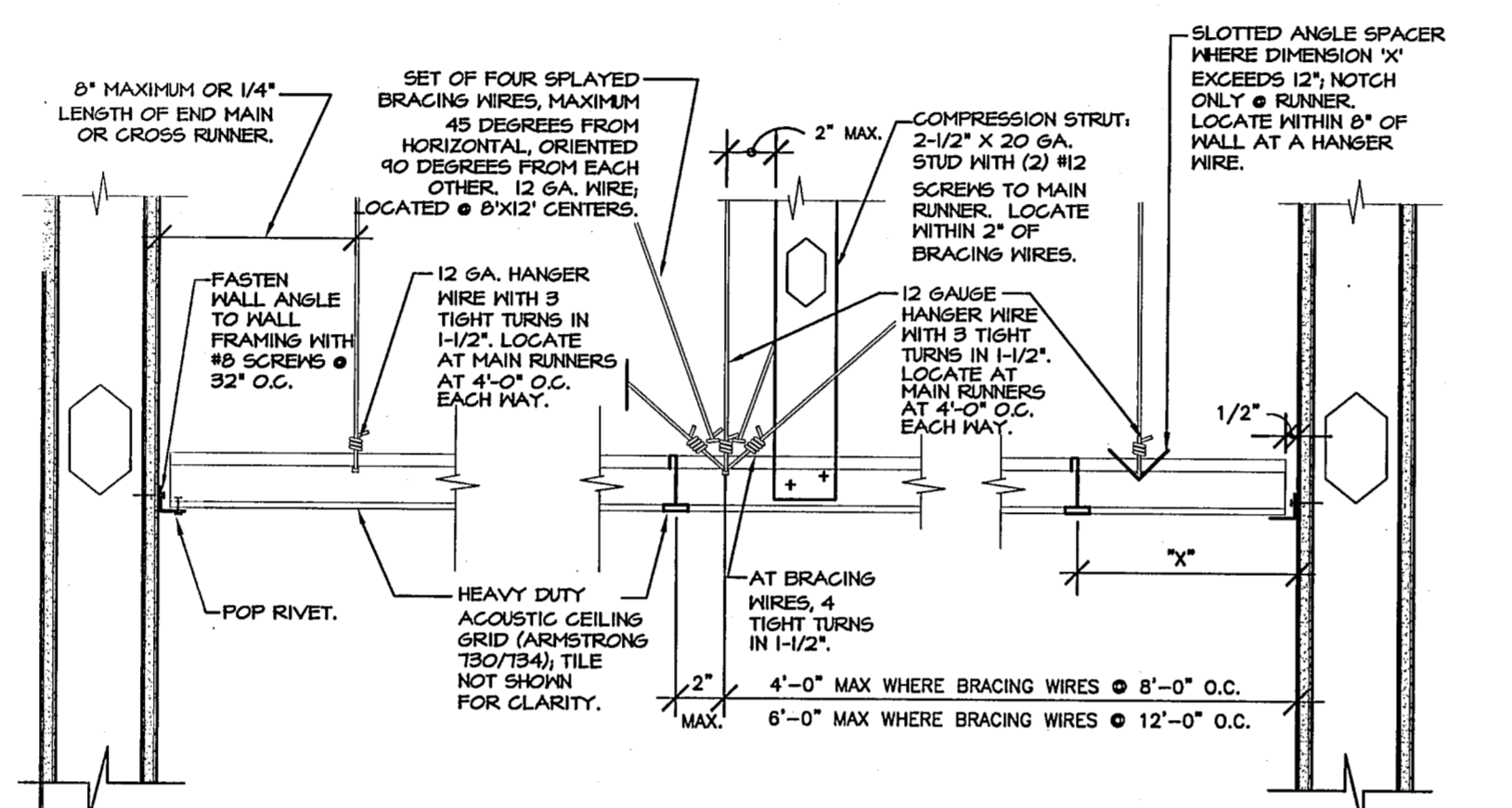
Sheet No.
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ACOUSTIC CEILING NOTES:

- A INSTALLATION SHALL CONFORM TO OSHPD REQUIREMENTS AS DETAILED IN THESE DRAWINGS AND NOTED BELOW.
- B SPLICES ARE NOT ALLOWED IN HANGER OR BRACING WIRES.
- C PROVIDE TRAPEZE OR OTHER SUPPLEMENTARY SUPPORT MEMBERS AT OBSTRUCTIONS TO MAIN HANGER SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS, OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS OR DISCONTINUOUS AREAS. HANGER WIRES THAT ARE MORE THAN 1 IN 6 OUT OF PLUMB ARE TO HAVE COUNTERSLOPING WIRES.
- D CEILING GRID MEMBERS MAY BE ATTACHED TO NOT MORE THAN 2 ADJACENT WALLS, WHERE WALLS RUN DIAGONALLY TO CEILING GRID RUNNERS, ONE END OF EACH MAIN AND CROSS RUNNER SHALL BE A "FREE END".
- E HANGING AND BRACING WIRES SHALL BE TAUT WITHOUT CAUSING CEILING TO LIFT. WIRES SHALL BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE WIRE ALIGNS WITH THE DIRECTION OF FORCES ACTING ON THE WIRE.
- F SEPARATE ALL CEILING HANGING AND BRACING WIRES AT LEAST 6" FROM ALL UNBRACED PIPES, DUCTS, CONDUIT, ETC.
- G CONCRETE ANCHOR TESTING REQUIREMENTS:
HANGER WIRE SHOT PINS: TEST 1 IN 10 FOR 200# TENSION.
BRACING WIRE EXPANSION BOLTS: TEST 1 IN 2 FOR 440# TENSION.
IF ANY ANCHOR FAILS, ALL ADJACENT ANCHORS SHALL BE TESTED.
- H SEE ELECTRICAL AND MECHANICAL DRAWINGS FOR SUPPORT OF LIGHT FIXTURES AND AIR TERMINALS.
- I RE-USE OF EXISTING HANGER WIRES:
1. THE GAUGE AND SPACING OF WIRES SHALL COMPLY WITH REFERENCE NOTE 1B.
2. ALL EXISTING HANGER WIRES SHALL BE TESTED FOR 200# TENSION; TEST TO BE PERFORMED IN THE PRESENCE OF THE I.O.R.
3. EXISTING WIRES SHALL NOT BE RE-USED FOR SPLAYED BRACING.
- J SHOT PINS TO BE RAMSEY/REDHEAD 1500 SERIES (IC80 ER#1634) OR APPROVED EQUIVALENT.
- K NOT USED.
- L EXISTING LAY-IN LIGHT FIXTURES ARE SUPPORTED BY EXISTING #12 SLACK WIRES.



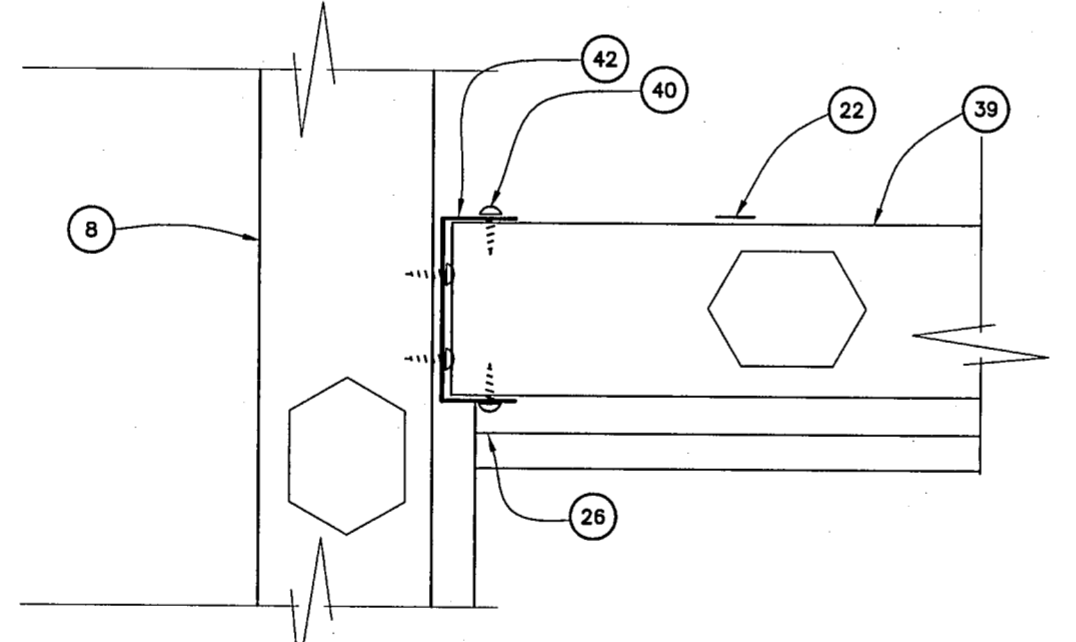
BRACING WIRE @ LT.WT.CONC. (B)
VERTICAL STRUT & HANGER WIRE @ LT.WT.CONC. (A)



WALL ANGLE "CONNECTED" (E)
LATERAL BRACING (D)
"FREE END" WALL ANGLE (C)
TYP. @ 2 ADJACENT WALLS

SEE "ACOUSTIC CEILING NOTES", THIS SHEET.

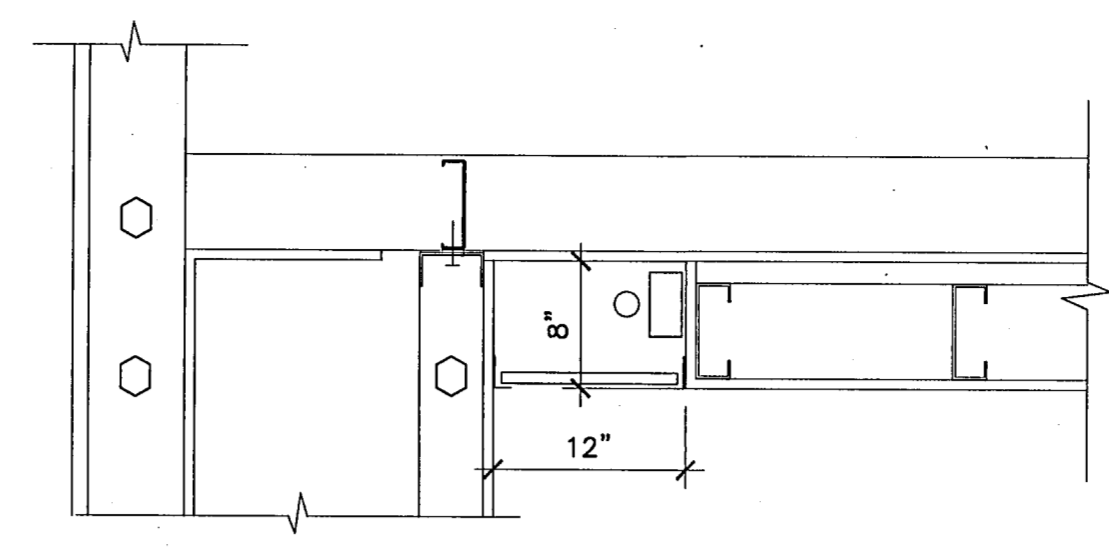
4 TYPICAL ACOUSTIC CEILING
SCALE: 1-1/2" : 1'-0"



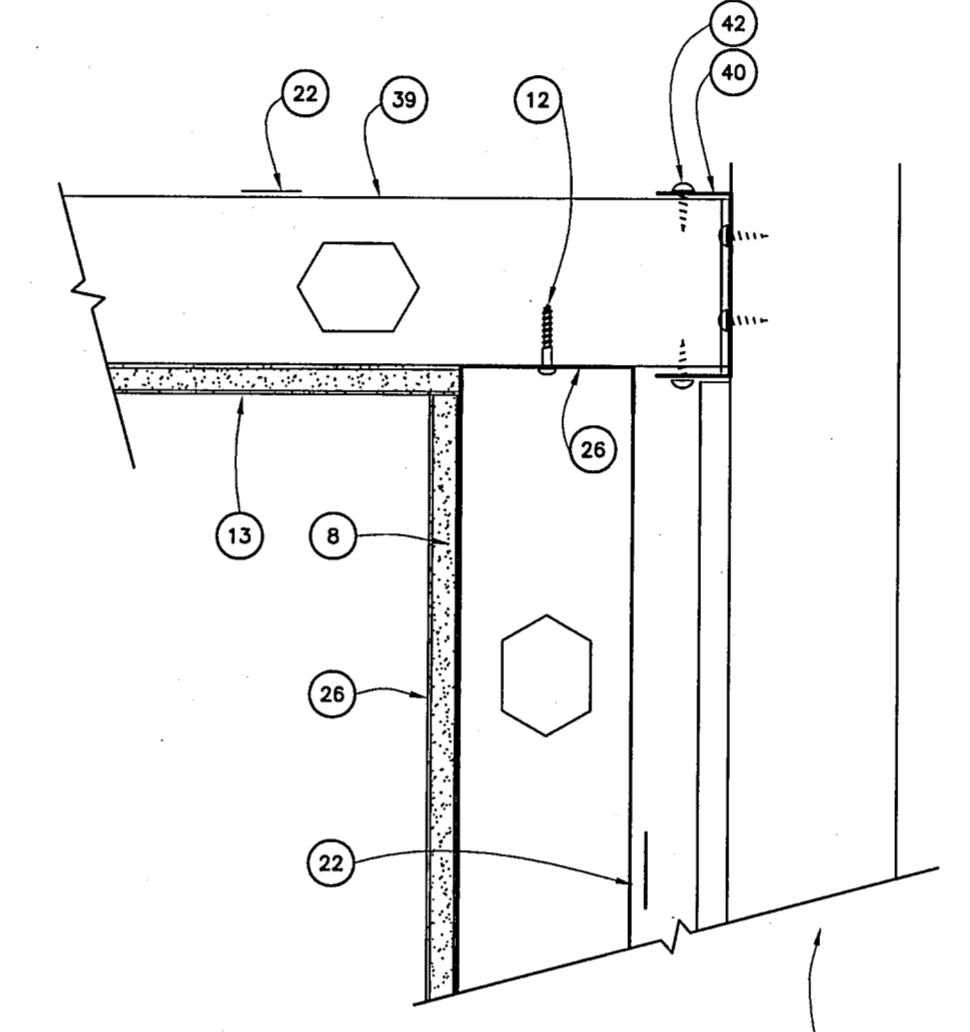
5 ALTERNATE CEILING TO FURRING WALL
SCALE: 3"=1'-0"

NOTE LEGEND (CONT.)

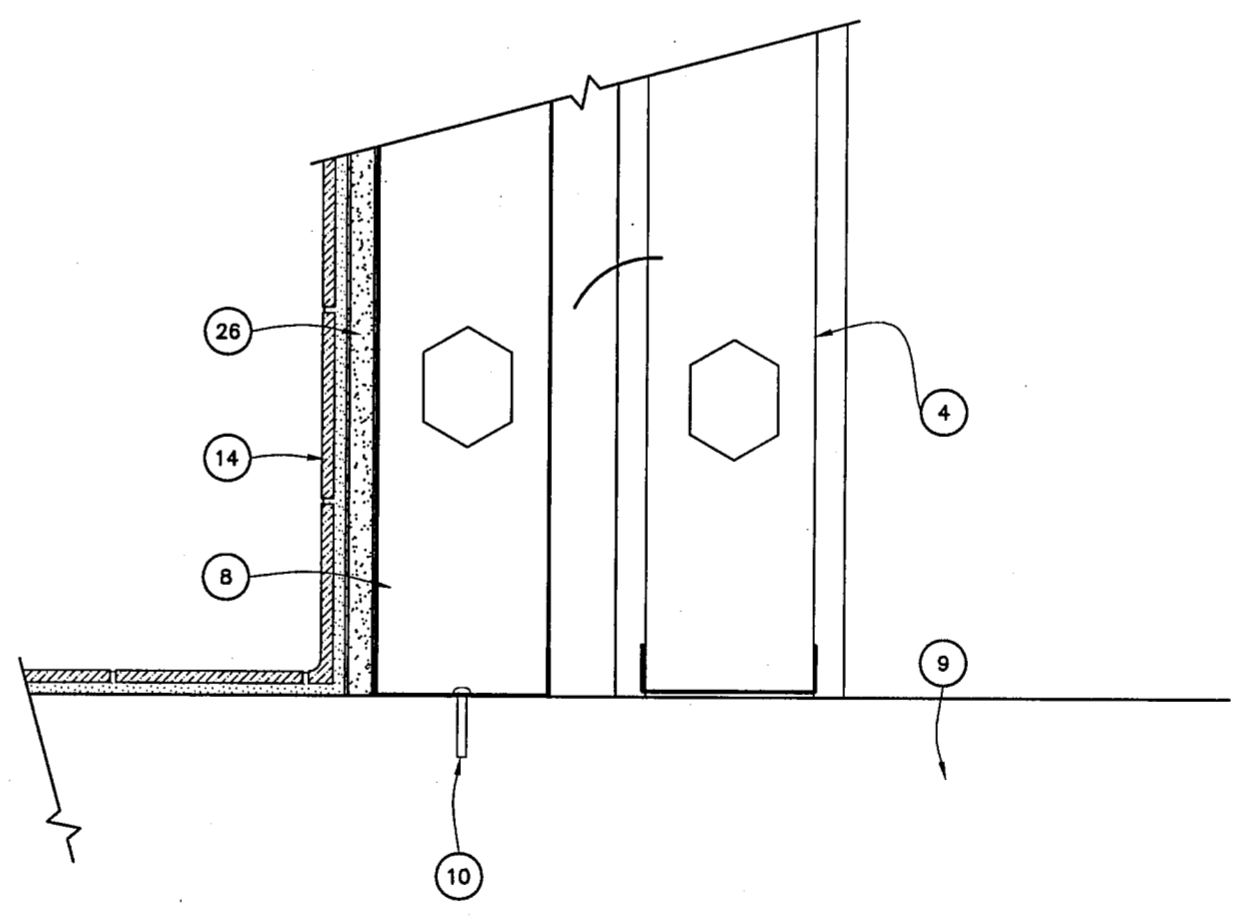
- 43. FASTEN TOP AND BOTTOM TRACK TO FLOOR SLAB WITH SHOT PINS; HILTI "X-U" (151" D), ICC ESR 2269, WITH 1-1/4" EMBEDMENT. 2" FROM EACH END OF TRACK. AT TRACKS ABOVE DOUBLE JAMB STUDS SUPPORTING OVERHEAD DOORS, FASTEN TRACKS WITH (2) 3/8" KBTZ ANCHORS WITH 2" EMBEDMENT, PER ICC ESR 1917.
- 44. SILL TRACK SHALL BE 16 GA. WITH 1-1/2" FLANGES.
- 45. AT RATED HEAD-OF-WALL, TOP TRACK SHALL BE 16 GA. DIETRICH SLP-TRK PER ICC ESR 1042. STUDS HELD 5/8" BELOW TRACK WEB AND SCREWED TO TRACK WITH #8 WAFERHEAD SCREWS THROUGH SLOTTED HOLES.
- 46. 5/8" TYPE "X" GYPSUM BOARD FINISH. SCREW TO FRAMING WITH 1" SCREWS AT 12" O.C., DO NOT SCREW TO SLIP TRACK. TYPICAL WALL FINISH U.N.O. 1-HOUR WALL RATING PER WP1200.
- 47. EXISTING CONCRETE BEAM OR SLAB ON GRADE, 3000 PSI STRUCTURAL CONCRETE.
- 48. MINERAL WOOL, CUT TO THICKNESS OF GYPSUM BOARD AND TWICE THE WIDTH OF JOINT; COMPRESS INTO GAP AT TOP OF GYPSUM BOARD. GRACE FLAMESAFE 4 PCF MINERAL WOOL.
- 49. GRACE FLAMESAFE F5 3000 SPRAY JOINT SEAL, MIN. 1/8" WET FILM THICKNESS. LAP ONTO CONCRETE DECK AND GYPSUM BOARD MIN. 1/2".
- 50. #8 S.M.S. EACH SIDE EACH STUD. (ALT. IN LIEU OF WELDING)



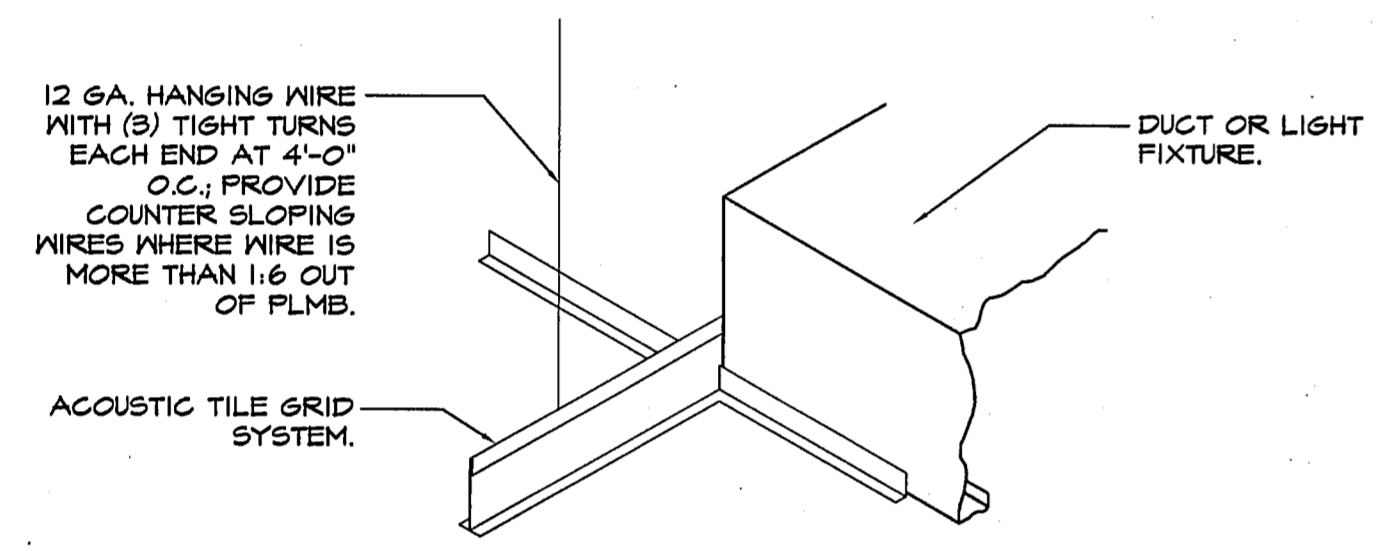
1 TOILET SIGN COVER LIGHTING
SCALE: 3"=1'-0"



2 FURRING WALL TOP CONNECTION
SCALE: 3"=1'-0"

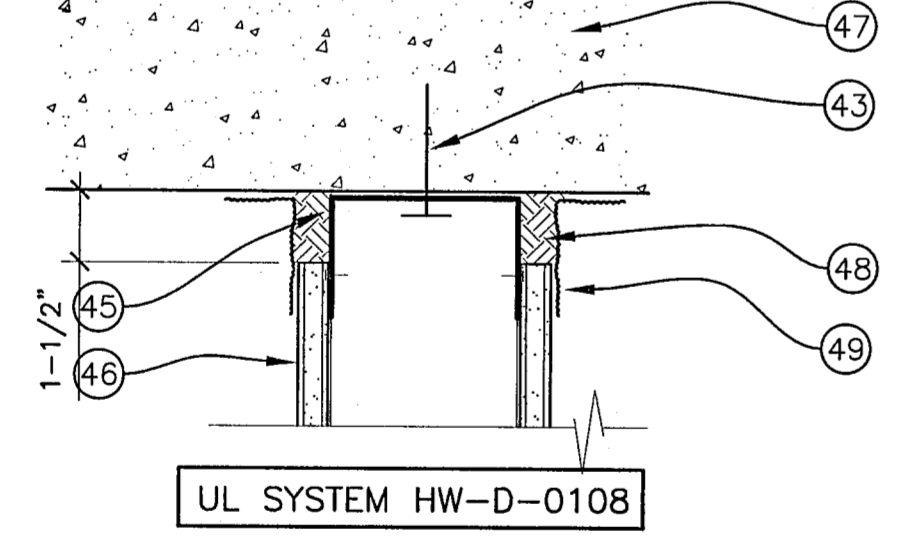


3 FURRING WALL BOTTOM CONNECTION
SCALE: 3"=1'-0"

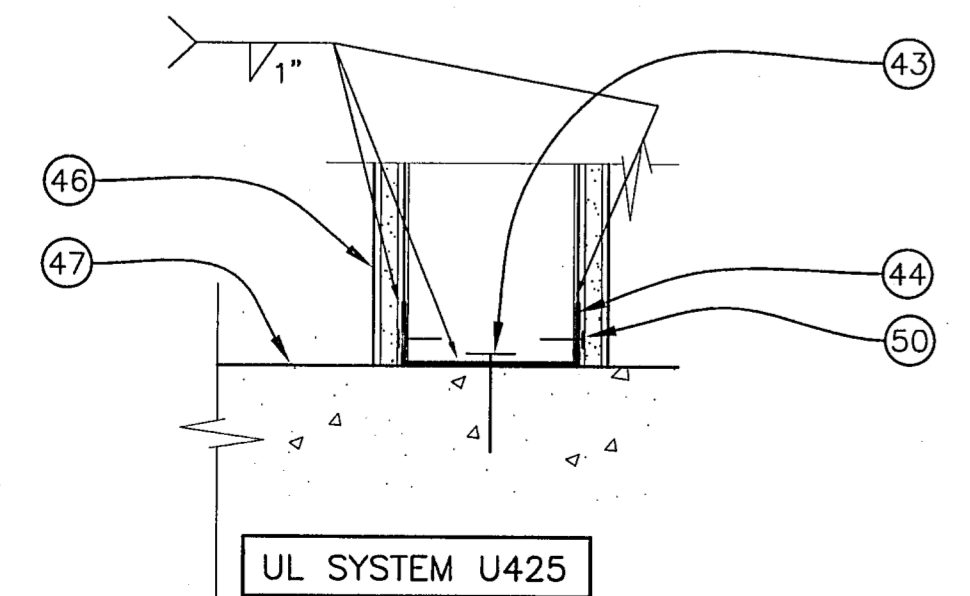


NOTE: IF LIGHT FIXTURE WEIGHS MORE THAN 20 LBS., PROVIDE (2) 12 GA. GALVANIZED HANGER WIRES CONNECTED TO FIXTURE IN ADDITION TO SUSPENDED CEILING SYSTEM (MAY HAVE SOME SLACK).

6 LIGHT FIXTURE/DUCT PENETRATION
SCALE 1-1/2" : 1'-0"



7 HEAD OF WALL WITH RATED OPENINGS
SCALE: 3"=1'-0"



8 WALL BOTTOM TRACK
SCALE: 3"=1'-0"

NOTE LEGEND

- 1 50 KSI, 16 GA. BACKING TRACK WELDING PER DETAIL 5, OPTION B, THIS SHEET
- 2 1-1/2" DIAMETER x 42" GRAB BAR PER DETAIL 3/A3 AT +33' A.F.F. REMOVE EXISTING WALL FINISH TO EXPOSE FRAMING AT ATTACHMENT. PROVIDE 2 x 6 WOOD BLOCKING BETWEEN EXISTING WOOD STUDS.
- 3 (3) #14 SCREWS
- 4 EXISTING WALL FRAMING.
- 5 DOOR MOUNTED SIGN, CENTERED ON DOOR. SIGN PER DETAIL 4/A3.
- 6 WALL MOUNTED SIGN, LOCATED ADJACENT TO STRIKE SIDE OF DOOR AT 60" ABOVE F.F.L. SIGN PER DETAIL 4/A3.
- 7 (E) FULL HEIGHT WALL
- 8 3-5/8" x 20 GA. METAL STUD FRAMED FURRING WALL.
- 9 (E) CONCRETE FLOOR SLAB.
- 10 FASTEN TRACK TO CONCRETE WITH SHOT PINS; RAMSEY 1500 SHOT PINS .145" DIA., 1" EMBEDMENT AT 16" O.C. AND 6" MAX FROM END OF TRACK PER ICC ESR 1749. ALSO SEE NOTE #14 SHEET A4.
- 11 16 GA. HOLLOW METAL DOOR FRAME.
- 12 FASTEN 16 GA. TOP TRACK TO PERPENDICULAR (N) CEILING BLOCKING AT 16" O.C. WITH #14 SCREWS.
- 13 EXISTING GYP. BD CEILING TO REMAIN. ADD ONE LAYER OF 5/8" TYPE "X" GYP. BD. PER CBC TABLE T20.(3) ITEM #21-1.1 TO COMPLETE 1 HR. ROOF/CEILING ASSEMBLY.
- 14 (N) 4 x 4 CERAMIC WALL TILE AND COVERED TILE WALL BASE. OVER THIN SET, OVER GYP BD.
- 15 EXISTING WOOD CEILING JOIST TO REMAIN.
- 16 1-1/2" DIAMETER x 36" GRAB BAR PER DETAIL 3/A3 AT +33' A.F.F. PROVIDE 18 GA. STUDS AND BACKING PLATES PER DETAIL 5/A3.
- 17 NESTED JAMB STUD PER DETAIL 4/A4.
- 18 NEW WATER CLOSET, SEE PLUMBING PLAN.
- 19 (N) BLOCKING AS NEEDED.
- 20 NEW LAVATORY, SEE PLUMBING PLAN AND DETAIL 8 THIS SHEET FOR ACCESS DIMENSIONS.
- 21 NEW WOOD DOOR PER PLAN, PAINTED FINISH.
- 22 STUDS FLANGES NOT COVERED WITH GYP. BD. SHALL RECEIVE STRAPPING PER DETAIL 7/A4, SEE ADDITIONAL INFORMATION DETAIL 8/A4.
- 23 WALL FRAMING PER PLAN.
- 24 6" x 16 GA. UNPUNCHED DEEP LEG TRACK (1-1/2" LEGS), NOTCH LEGS @ STUDS, EXTEND TRACK AS REQUIRED TO TERMINATE AT A STUD. FASTEN TO A MINIMUM OF THREE STUDS.
- 25 CUT AND BEND TRACK FLANGES AT STUD, AND FASTEN WITH (3) #10 SCREWS TO EACH STUD.
- 26 5/8" TYPE "X" GYPSUM BOARD FINISH OR EXISTING 3/4" GYPSUM PLASTER WHERE OCCURS. PATCH EXISTING PLASTER @ ALL NEW PENETRATIONS. PROVIDE TWO LAYERS AT NEW FURRED CEILING PER CBC TABLE T20.(3) ITEM #21-1.1 TO COMPLETE 1 HR. ROOF/CEILING ASSEMBLY.
- 27 18" x 30" MIRROR
- 28 PATCH (E) CEILING WHERE PORTION OF WALL AND HEADER IS REMOVED. ALSO SEE NOTE #13 ABOVE
- 29 TOILET SEAT COVER DISPENSER.
- 30 TOILET PAPER DISPENSER WITH COVER.
- 31 NOTCH TRACK FLANGES AS SHOWN, AND WELD TO EACH STUD WITH 1/16" FILLET WELD, 1" LONG, TOP AND BOTTOM.
- 32 SOAP DISPENSER BY OWNER INSTALLED BY CONTRACTOR.
- 33 PAPER TONEL DISPENSER.
- 34 FLOOR FINISH PER PLAN.
- 35 MARBLE THRESHOLD SET IN THIN SET
- 36 TILE LEDGE LOCATED TO CLEAR BOTTOM OF EXISTING ELECTRICAL ENCLOSURE FLANGE.
- 37 EXISTING ELECTRICAL PANEL ENCLOSURE. PROVIDE NEW CUSTOM COVER. SEE DETAIL 1/A4.
- 38 LINE OF EXISTING WALL & CEILING TO REMAIN. REMOVE (E) FINISH AS NEEDED FOR ACCESS.
- 39 3-5/8" CEILING JOISTS AT 16" O.C. MIN. PROVIDE 3625137-33 (20 GA, 33KSI) FOR SPANS UP TO 8'-8"
- 40 16 GA. TRACK W/ 1-1/2" LEGS. W/ (2) #10 SCREWS TO EACH WALL STUD.
- 41 EMERGENCY NURSE CALL DEVICE PER SHEET E3.
- 42 #8 S.M.S. EACH SIDE EACH STUD.

O.S.H.P.D. PROJECT #SL 101318-56

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

APR 05 2011

Office of Statewide Health Planning & Development FACILITIES DEVELOPMENT DIVISION

COUNTY OF VENTURA
PUBLIC WORKS AGENCY
ENGINEERING SERVICES DEPARTMENT

PROJECT MANAGER

SPEC. NUMBER CP11-05 SHEET 13 OF 31

PROJECT NUMBER ENT11103 DRAWING NUMBER 113561

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DETAILS & CEILING NOTES
 Sheet Title
 Revisions: R&A No: 000443 Date: 08-01-10
 12-29-10 OSHPD CORR. Drawn: JLL
 03-30-11 OSHPD CORR. Checked: JLL
 Consult: Nc

MAMMOGRAPHY ROOMS & NEEDLE BIOPSY ROOM
 VENTURA COUNTY MEDICAL CENTER
 3291 LOMA VISTA ROAD
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Sheet No. **A4.3**

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1.01 GENERAL AND SUPPLEMENTAL CONDITIONS

- A. OSHPD Requirements: Contractor shall conform to all requirements of the Office of Statewide Health Planning and Development, including (but not limited to) submittal of Verified Reports, cooperation with the Inspector of Record, and preparation of Deferred Approvals, as required by Title 24 CCR, Part 1.
- B. Deferred Approvals: Submittals for items listed on the plans as "Deferred Approvals" shall be reviewed by the Architect prior to submittal to OSHPD. Where applicable, engineered calculations (bearing the stamp and signature of an engineer licensed in the state of California) shall be provided, confirming capacity of structural attachments, hydraulic capacity, etc. Submittal shall detail all structural attachments.
- C. Maintenance of fire-protective construction: Contractor shall maintain the integrity of fire-rated partitions, floors, roofs, openings, and penetrations during the course of construction, in conformance with the requirements of the permitting agency.
- D. Hospital utilities shall not be interrupted without prior notification and approval by the hospital engineering department.
- E. Infection Control: Contractor shall implement infection control measures as determined by the hospital's infection control officer. Maintain appropriate dust control barricades and walk-off mat. Maintain negative-pressure ventilation of space.

2.01 DEMOLITION, CUTTING AND PATCHING

- A. Demolition: Remove existing components to the extent indicated. Protect existing components to remain, and enclose demolition area as required to avoid disruption to adjacent hospital functions. Provide temporary shoring or permanent reinforcing prior to demolition of any structural components.
- B. Cutting and Patching: As indicated, or where required to install components shown on the drawings, remove existing components to the extent required for access or routing of ducts, piping, and conduit. Patch finishes to match existing for appearance and fire rating. Do not cut structural components unless shown on drawings; notify Architect of conflicts with existing structure. Proper procedures shall be utilized to prevent overcutting of structural components.
- C. Remove and dispose of all demolished materials. Confirm with owner whether they wish to take possession of any fixtures, casework, doors, frames, windows, or similar components prior to removal from site. The owner has the first right to salvaged items.
- D. Maintain barricades and control ventilation systems in order to prevent contamination of the existing hospital functions outside of the construction area. The construction area should be under negative pressure in relation to adjacent spaces whenever demolition or removal of existing materials is being performed, or when other construction operations are occurring which generate odors or dust.
- E. Provide fire-rated barricades where existing fire rated walls are compromised in excess of one working day. Maintain pathways, lighting, and fire-rated protection of exits serving any occupied area of the building.

3.03 CONCRETE FASTENING SYSTEMS

- A. Expansion Anchors: Anchors shall be of the type and manufacture as shown on the drawings. Sleeve-type anchors shall not be used.
- B. Powder Actuated Fasteners: Fasteners shall be of the type and manufacturer as shown on drawings. Installation tools shall be by the fastener manufacturer.
- C. Epoxy Anchors: Anchors and epoxy material shall be of the type and manufacture as shown on the drawings.
- D. Installation and Testing: A copy of the manufacturer's printed installation instructions and the IC report shall be provided to the Inspector of Record; installation shall be in strict compliance with those documents. Testing requirements for structural expansion anchors, epoxy anchors, ceiling anchors, and ceiling fasteners are indicated on the drawings.
- E. Protection of Existing Steel Reinforcing: Prior to drilling for any expansion anchors, locate existing reinforcing steel with by non-destructive test procedure. Drilling shall not damage any existing steel.

4.01 NOT USED

5.01 METAL FABRICATIONS

- A. Miscellaneous ferrous metal structural shapes shall be fabricated with steel complying with ASTM A36 and A283. Shapes shall be galvanized whenever their installed location will be exposed to weather, floor cleaning, or other moisture; otherwise they shall be shop primed. Welding shall be done by the electric arc process; welding shall be inspected in accordance with CBC chapter 17.
- B. Nuts, bolts, and washers shall comply with ASTM A325, and shall be galvanized when exposed as noted above.
- 6.01 ROUGH FRAMING (NOT USED)
- 6.03 PLASTIC LAMINATE CASEWORK (CABINETS & COUNTERTOPS)
 - A. New and modified casework in accordance with requirements of the (W.I.) "Manual of Millwork", latest published edition, Custom Grade; Type II construction, single length sections to fit access openings; Style A, Frameless, in accordance with Supplement No. 1& 2 to section 15: flush overlay door and drawer front style; Type A, flush door type. Prepare for installation of utilities.
 - B. Plastic Laminate Cabinets: NEMA LD 3; General Purpose Quality. Color and pattern shall match existing adjacent cabinets.
 - C. Modify existing countertops in accordance with the requirements of the (W.I.) "Manual of Millwork", Section 16, "Custom" grade; with decorative edge. Provide backsplash where shown, height as indicated, integral cove, with square top; square, butt joint end splash where shown with square top.
 - D. Decorative edge: Where indicated on the drawings, provide decorative laminate bevel edge molding by Kuehn, Type 1, flat back, black, or approved equivalent.
 - E. Hardware:
 - Hinges: Concealed "European" type
 - Pulls: "Wire Pull" Type
 - Catches: Magnetic type
 - Locks shall be installed where shown on the drawings and master keyed.

7.01 FIRESTOPPING

- A. Provide sealant systems as required by the California Building Code at all through penetrations and joints in fire rated floors, roofs, and walls. This facility requires an F-rating of 2-hours at all floor and roof decks. Sealant is not required in walls where non-rated openings are allowed.
- B. Sealant systems shown on the drawings are manufacturer's complete assemblies, and shall not have other materials substituted for those indicated.
- C. Alternate systems by other manufacturers may not be substituted without prior submission in accordance with Section 1.01.
- D. Should conditions be discovered in the field which do not allow the installation of the indicated systems in accordance with the manufacturer's requirements, the condition shall be brought to the attention of the architect by the IOR, for determination of an appropriate alternate sealant system.

8.01 WOOD DOORS

- A. Construction: Solid core, non-rated, constructed per Woodwork Institute Manual of Millwork, Section 12, Premium Grade, solid wood block or solid particle board core.
- B. Fire rated doors shall conform to NFPA 80 and UBC Standard 7-2; 20-minute "S" rated doors and lite kits shall be labeled as meeting positive pressure requirements. Manufacturer's installation instructions shall be available at the jobsite for the IOR.
- C. Facing: Paint grade, close hardwood faces and vertical edges.
- D. Manufacturer: Algoma Hardwood Inc., Buell Door Co., Eggers Industries, Marshfield Architectural Doors, or Architect approved equal.
- E. Installation: Install doors in accordance with Woodwork Institute Manual of Millwork, Section 12. Coordinate installation of doors with installation of frames and hardware. Adjust door for smooth and balanced door movements.

8.02 DOOR FRAMES

- A. Non-rated, Interior Frames: 16 gage thick material, base metal thickness. Conform to requirements of ANSI/SDI-100 and ANSI A117.1.
- B. Bituminous Coating: Fibered asphalt emulsion.
- C. Primer: Zinc-chromate type, air dried or baked.
- D. Fabricate frames as welded unit. Joints shall be mitered or butted and continuously arc welded for full depth and width of frame and trim. All contact edges shall be closed tight and all welds on exposed surfaces dressed smooth and flush.
- E. Fire rated door and window frames shall conform to NFPA 80 and UBC Standard 7-2; 20-minute "S" rated frames shall conform to ANSI A155.1/UL63 (submit documentation), or be labeled as meeting positive pressure requirements.
- F. Glazing at rated windows shall be per 2001, CBC 713.9 and caulked with 100% pure silicone sealant.

8.03 DOOR HARDWARE

- 1.1 Section Includes:
 - 1. Door Hardware, including electric hardware.
 - 2. Low energy door operators plus sensors and actuators.
- 1.2 REFERENCES:
 - Use date of standard in effect as of Bid date.
 - A. American National Standards Institute - ANSI 156.18 - Materials and Finishes.
 - B. BHMA - Builders Hardware Manufacturers Association
 - C. DHI - Door and Hardware Institute
 - D. NFPA - National Fire Protection Association
 - 1. NFPA 80 - Fire Doors and Windows
 - 2. NFPA 105 - Smoke and Draft Control Door Assemblies
 - 3. NFPA 252 - Fire Tests of Door Assemblies
 - E. UL - Underwriters Laboratories
 - 1. UL10C - Positive Pressure Fire Tests of Door Assemblies.
 - 2. UL 305 - Panic Hardware
 - F. WHI - Warnock Hersey Incorporated
 - G. 2007 State of California Building Code
 - H. Local applicable codes
 - I. SDI - Steel Door Institute
 - J. WI - Woodwork Institute
 - K. AWI - Architectural Woodwork Institute
 - L. NAAMM - National Association of Architectural Metal Manufacturers
- 1.3 SUBMITTALS & SUBSTITUTIONS
 - A. SUBMITTALS: Submit six copies of schedule per Section 01330. Only submittals printed one sided will be accepted and reviewed. Organize vertically formatted schedule into "Hardware Sets" with index of doors and headings, indicating complete designations of every item required for each door or opening. Include following information:
 - 1. Type, style, function, size, quantity and finish of hardware items.
 - 2. Use BHMA Finish codes per ANSI A156.18.
 - 3. Name, part number and manufacturer of each item.
 - 4. Fasteners and other pertinent information.
 - 5. Description of door location using space names and numbers as published in the drawings.
 - 6. Explanation of abbreviations, symbols, and codes contained in schedule.
 - 7. Mounting locations for hardware.
 - 8. Door and frame sizes, handing, materials, fire-rating and degrees of swing.
 - 9. List of manufacturers used and their nearest representative with address and phone number.
 - 10. Catalog cuts.
 - 11. Wiring Diagrams.
 - 12. Manufacturer's technical data and installation instructions for electronic hardware.
 - 13. Date of jobsite visit.

- B. Bid and submit manufacturer's updated/improved item if scheduled item is discontinued.
- C. Deviations: Highlight, encircle or otherwise identify deviations from "Schedule of Finish Hardware" on submittal with notations clearly designating those portions as deviating from this section.
- D. If discrepancy between drawings and scheduled material in this section, bid the more expensive of the two choices, note the discrepancy in the submittal and request direction from Architect for resolution.
- E. Substitutions per Division 1. Include product data and indicate benefit to the Project. Furnish operating samples on request.
- F. Furnish as-built/as-installed schedule with closeout documents, including keying schedule, wiring diagrams, manufacturers' installation, adjustment and maintenance information, and supplier's final inspection report.

1.4 QUALITY ASSURANCE:

- A. Qualifications:
 - 1. Hardware supplier: direct factory contract supplier who employs a certified architectural hardware consultant (AHC), available at reasonable times during course of work for project hardware consultation to Owner, Architect and Contractor.
 - a) Responsible for detailing, scheduling and ordering of finish hardware. Detailing implies that the submitted schedule of hardware is correct and complete for the intended function and performance of the openings.
- B. Hardware: Free of defects, blemishes and excessive play. Obtain each kind of hardware (latch and locksets, exit devices, hinges and closers) from one manufacturer.
- C. Exit Doors: Operable from inside with single motion without the use of a key or special knowledge or effort.
- D. Fire-Rated Openings: NFPA 80 compliant. Hardware UL10C / California State Fire Marshal Standard 12-7-4 (positive pressure) compliant for given type/size opening and degree of label. Provide proper latching hardware, non-flaming door closers, approved-bearing hinges, and resilient seals. Coordinate with wood door section for required intumescent seals. Furnish openings complete.
- 1.Note: scheduled resilient seals may exceed selected door manufacturer's requirements.
- 2.See 2.6.E for added information regarding resilient and intumescent seals.
- E. Finish hardware items required to complete the work in accordance with specified performance level and design intent, complying with manufacturers' instructions.

1.5 DELIVERY, STORAGE AND HANDLING:

- A. Delivery: coordinate delivery to appropriate locations (shop or field).
 - 1. Permanent keys and cores: secured delivery direct to Owner's representative.
- B. Acceptance at Site: Items individually packaged in manufacturers' original containers, complete with proper fasteners and related pieces. Clearly mark packages to indicate contents, locations in hardware schedule and door numbers.
- C. Storage: Provide securely locked storage area for hardware, protect from moisture, sunlight, paint, chemicals, dust, excessive heat and cold, etc.

1.6 PROJECT CONDITIONS AND COORDINATION:

- A. Where exact types of hardware specified are not adaptable to finished shape or size of members requiring hardware, provide suitable types having as nearly as practical the same operation and quality as type specified, subject to Architect's approval.
- B. Coordination: Coordinate hardware with other work. Furnish hardware items of proper design for use on doors and frames of the thickness, profile, swing, security and similar requirements indicated, as necessary for proper installation and function, regardless of omissions or conflicts in the information on the Contract Documents. Furnish related trades with the following information:
 - 1. Location of embedded and attached items to concrete.
 - 2. Location of wall-mounted hardware, including wall stops.
 - 3. Location of finish floor materials and floor-mounted hardware.
 - 4. Locations for conduit and raceways as needed for electrical, electronic and electro-pneumatic hardware items. Fire/life-safety system interfacing. Paint-to-point wiring diagrams plus riser diagram to related trades.
 - 5. Manufacturer templates to door and frame fabricators.
- C. Check Shop Drawings for doors and entrances to confirm that adequate provisions will be made for proper hardware installation. Do not order hardware until the submittal has been reviewed by the frame and door suppliers for compatibility with their products.
- D. Prior to submittal, carefully inspect existing conditions at each opening to verify finish hardware required to complete Work, including sizes, quantities, existing hardware scheduled for re-use, and sill condition material. If conflict or incompatibility between the specified/scheduled hardware and existing conditions, submit request for direction from Architect. Include date of jobsite visit in the submittal.
- 1. Submittals prepared without thorough jobsite visit by qualified hardware expert will be rejected as non-compliant.

1.7 WARRANTY:

- A. Part of respective manufacturers' regular terms of sale. Provide manufacturers' written warranties:
 - 1. Locksets: Three years
 - 2. Extra Heavy Duty Cylindrical Lock: Seven Years
 - 3. Exit Devices: Three years mechanical, One year electrical
 - 4. Closers: Ten years mechanical, Two years electrical
 - 5. Hinges: One year
 - 6. Other Hardware: Two years

1.8 COMMISSIONING:

- A. Conduct these tests prior to request for certificate of substantial completion:
 - 1. With installer present, test door hardware operation with climate control system and stairwell pressurization system both at rest and while in full operation.
 - 2. With installer, access control contractor and electrical contractor present, test electrical, electronic and electro-pneumatic hardware systems for satisfactory operation.
 - 3. With installer and electrical contractor present, test hardware interfaced with fire/life-safety system for proper operation and release.

PART 2 PRODUCTS

2.1 MANUFACTURERS:

- A. Listed acceptable alternate manufacturers: submit for review products with equivalent function and features of scheduled products.

ITEM:	MANUFACTURER:	ACCEPTABLE SUB:
Hinges	(IVE) Ives	Bommer
Key System	(SAR) Sargent	
Locks	(SAR) Sargent	
Closers	(LCN) LCN	
Auto Flush Bolts	(IVE) Ives	DCI
Coordinators	(IVE) Ives	DCI
Stilencers	(IVE) Ives	Hiawatha
Push & Pull Plates	(IVE) Ives	Hiawatha
Kickplates	(IVE) Ives	Hiawatha
Stops & Holders	(IVE) Ives	Hiawatha
Overhead Stops	(GLY) Glynn-Johnson	None available
Thresholds	(NGP) NGP	Zero
Seals & Bottoms	(NGP) NGP	Zero

B. Manufacturers and their abbreviations used in this schedule

IVE	H.B. Ives
GLY	Glynn-Johnson Hardware
LCN	LCN Closers
PEM	Permo
SCH	Schlage Lock Company
VDN	Von Duprin
HES	Hes Electric strikes
SAR	Sargent

2.2 HINGING METHODS:

- A. Drawings typically depict doors at 90 degrees, doors will actually swing to maximum allowable. Use wide-throw conventional or continuous hinges as needed up to 8 inches in width to allow door to stand parallel to wall for true 180-degree opening. Advise architect if 8-inch width is insufficient.
- B. Conform to manufacturer's published hinge selection standard for door dimensions, weight and frequency, and to hinge selection as scheduled. Where manufacturer's standard exceeds the schedule product, furnish the heavier of the two choices, notify Architect of deviation from scheduled hardware.

C. Conventional Hinges: Steel or stainless steel pins and concealed bearings.

- Hinge open widths minimum, but of sufficient throw to permit maximum door swing.
 - 1. Outswinging exterior doors: non-ferrous with non-removable (NRP) pins and security studs.
 - 2. Non-ferrous material exteriors and at doors subject to corrosive atmospheric conditions.

2.3 LOCKSETS, LATCHSETS, DEADBOLTS:

- A. Heavy Duty Cylindrical Locks and Latches: as scheduled.
 - 1. Backset: 2-3/4" typically, more or less as needed to accommodate frame, door or other hardware.
 - 2. Lock Series and Design: Sargent 10 line' LL' design.
 - 3. Certifications:
 - a) ANSI A156.2, 1994, Series 4000, Grade 1.
 - b) UL listed for A label and lesser class single doors up to 4ft x 8ft.

2.4 CLOSERS

- A. Surface Closers: [4041]
 - 1. Full rack-and-pinion type cylinder with removable non-ferrous cover and cast iron body. Double heat-treated pinion shaft, single piece forged piston, chrome-silicon steel spring.
 - 2. ISO 2000 certified. Units stamped with date-of-manufacture code.
 - 3. Independent lab-tested 10,000,000 cycles.
 - 4. Non-sized, non-handed, and adjustable. Place closer inside building, stairs, and rooms.
 - 5. Plates, brackets and special templating when needed for interface with particular header, door and wall conditions and neighboring hardware.
 - 6. Adjustable to open with not more than 5.0lbs pressure to open at exterior doors and 5.0lbs at interior doors. As allowed per California Building Code, Section 1133B.2.5, local authority may increase the allowable pressure for fire doors to achieve positive latching, but not to exceed 15lbs.
 - 7. Separate adjusting valves for closing speed, latching speed and backcheck, fourth valve for delayed action where scheduled.
 - 8. Extra-duty arms (EDA) at exterior doors scheduled with parallel arm
 - 9. Exterior door closers: tested to 100 hours of ASTM B117 salt spray test, furnish data on request.
 - 10. Exterior doors: seasonal adjustments not required for temperatures from 120 degrees F to -30 degrees F, furnish checking fluid data on request.
 - 11. Non-flaming fluid, will not fuel door or floor covering fires.
 - 12. Pressure Relief Valves (PRV) not permitted.

ELECTRICAL

- B. Door-O-Matic Senior Swing
 - C. Low-Energy Door Operators: Comply with ANSI/BHMA 156.19 Electric power-open, hydraulically checked spring power closing. Modular construction. Finished metal cover. Field-adjustable opening force, opening speed, time-open, closing and latching speeds. Door reopens and timing cycle restores if system reactivated during closing cycle. Breakaway clutch protection from forced closing. Door, frame, motor and drive train protected by attenuated initiation of opening cycle.
 - 1. Self-contained low-voltage power supply, terminal strip and sequencing for incorporation of electric hardware with system operation.

2.6 OTHER HARDWARE

- A. Automatic Flush Bolts: Low operating force design.
- B. Overhead Stops: Non-plastic mechanisms and finished metal end caps. Field-changeable hold-open, friction and stop-only functions.
- C. Kick Plates: Four beveled edges, .050 inches minimum thickness, height and width as scheduled. Sheet-metal screws of bronze or stainless steel to match other hardware.
- D. Door Stops: Provide stops to protect walls, casework or other hardware.
 - 1. Unless otherwise noted in Hardware Sets, provide wall type with appropriate fasteners. Where wall type cannot be used, provide floor type. If neither can be used, provide overhead type.
 - 2. Locate overhead stops for maximum possible opening. Consult with Owner for furniture locations. Minimum: 90deg stop / 95deg deadstop. Note degree of opening in submittal.

- E. Seals: Finished to match adjacent frame color. Resilient seal material: polyurethane, polypropylene, nylon brush, silicone rubber or solid high-grade neoprene as scheduled. Do not furnish vinyl seal material. UL label applied to seals on rated doors. Substitute products: certify that the products equal or exceed specified material's thickness and durability.
 - 1. Proposed substitutions: submit for approval.
 - 2. Solid neoprene: MIL Spec. R6855-CL III, Grade 40.
 - 3. Non-corroding fasteners at in-swinging exterior doors.
 - 4. Sound control openings: Use components tested as a system using nationally accepted standards by independent laboratories. Ensure that the door leafs have the necessary sealed-in-place STC ratings. Fasten applied seals over bead of sealant.
 - 5. Fire-rated Doors, Resilient Seals: UL10C / UBC Standard 7-2 compliant. Coordinate with selected door manufacturers' and selected frame manufacturers' requirements. Where rigid housed resilient seals are scheduled in this section and the selected door manufacturer only requires an adhesive-mounted resilient seal, furnish rigid housed seal at minimum, or both the rigid housed seal plus the adhesive applied seal. Adhesive applied seals alone are deemed insufficient for this project where rigid housed seals are scheduled.
 - 6. Fire-rated Doors, Intumescent Seals: Furnished by selected door manufacturer. Furnish fire-labeled opening assembly complete and in full compliance with UL10C / UBC Standard 7-2. Where required, intumescent seals vary in requirement by door type and door manufacture --- careful coordination required
- F. Automatic door bottoms: low operating force units. Doors with automatic door bottoms plus head and jamb seals cannot require more than two pounds operating force to open when closer is disconnected.
- G. Thresholds: As scheduled and per details. Comply with CBC Section 1133B.2.4.1. Substitute products: certify that the products equal or exceed specified material's thickness. Proposed substitutions: submit for approval.
 - 1. Exteriors: Seal perimeter to exclude water and vermin. Use sealant complying with requirements in Division 7 "Thermal and Moisture Protection". Non-ferrous 1/4inch fasteners and lead expansion shield anchors, or Red-Head #SFS-1420 (or approved equivalent) Flat Head Sleeve Anchors (SS/FHSL).
 - 2. Fire-rated openings, 90min or less duration: use thresholds to interrupt floor covering material under the door where the material has a critical radiant flux value less than 0.22 watts per square centimeter, per NFPA 253. Use threshold unit as scheduled. If none scheduled, request direction from Architect.
 - 3. Fire-rated openings, 3hour duration: Thresholds, where scheduled, to extend full jamb depth.
 - 4. Acoustic openings: Set units in full bed of Division-7-compliant, leave no air space between threshold and substrate
 - 5. Plastic plugs with wood or sheet metal screws are not an acceptable substitute for specified fastening methods.
 - 6. Fasteners: Generally, exposed screws to be Phillips or Robertson drive. Finish TORX drive at high security areas. Flat head sleeve anchors (FHSL) may be slotted drive. Sheet metal and wood screws: full-thread. Sleeve nuts: full length to prevent door compression.
- H. Exposed Through-Bolts: Do not use SNB, grommet nuts, sleeve nuts or other such clamping type fasteners, intent is for minimal exposed hardware. Coordinate with wood doors: ensure provision of proper blocking to support wood screws for mounting panic hardware and door closers. Coordinate with metal doors and frames: ensure provision of proper reinforcement to support machine screws for mounting panic hardware and door closers.
 - 1. Silencers: Interior hollow metal frames, 3 for single doors, 4 for pairs of doors. Omit where adhesive mounted seal occurs. Leave no unfilled/uncovered pre-punched silencer holes.

2.7 FINISH:

- A. Generally BHMA 626 Satin Chromium.
 - 1. Areas using BHMA 626 to have push-plates, pulls and protection plates of BHMA 630, Satin Stainless Steel, unless otherwise noted.
- B. Door closes: factory powder coated to match other hardware, unless otherwise noted.
- C. Aluminum items: match predominant adjacent material. Seals to coordinate with frame color.

2.8 KEYING REQUIREMENTS:

- A. Key System: existing (Sargent) system. Initiate and conduct meeting(s) with Owner to determine system structure, furnish Owner's written approval of the system. Furnish temporary construction-keyed and permanent cylinders. Contractor to demonstrate to the Owner that temporary keys no longer operate the locking cylinders at the end of the project. Permanent keys and cores: use secured shipment direct from point of origination to Owner.
 - 1. For estimate: 3 keys per change combination, 5 master keys per group, 5 grand-master keys, 3 control keys.
 - 2. For estimate: VKC stamping plus "Do Not Duplicate".
- B. Biting List: Use secured shipment direct from point of origination to Owner upon completion.

PART 3 - EXECUTION

3.1 ACCEPTABLE INSTALLERS:

- A. Can read and understand manufacturers' templates, suppliers' hardware schedules and printed installation instructions. Can readily distinguish drywall screws from manufacturers' furnished fasteners. Available to meet with manufacturers' representatives and related trades to discuss installation of hardware.

3.2 PREPARATION:

- A. Ensure that walls and frames are square and plumb before hardware installation. Make corrections before commencing hardware installation.
- B. Locate hardware per SDI-100 and applicable building, fire, life-safety, accessibility, and security codes.
 - 1. Notify Architect of code conflicts before ordering material.
 - 2. Locate levers, key cylinders, t-turn pieces, touchbars and other operable portions of locking hardware between 30 inches to 44 inches above the finished floor, per CBC Section 1133B.2.5.1.
 - 3. Where new hardware is to be installed near existing doors/hardware scheduled to remain, match locations of existing hardware.
- C. Overhead stops: before installing, determine proposed locations of furniture items, fixtures, and other items to be protected by the overhead stop's action.

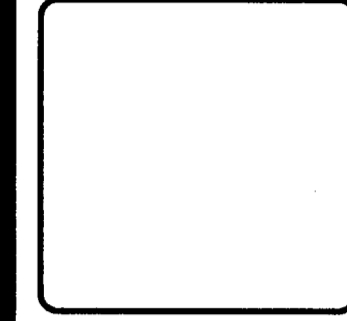
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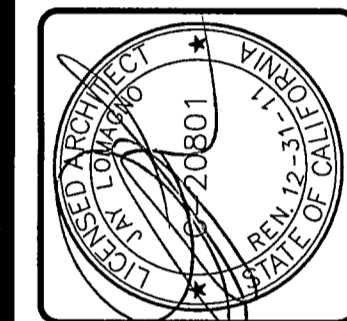
Office of Statewide Health Planning & Development
FACILITIES DEVELOPMENT DIVISION

COUNTY OF VENTURA
PUBLIC WORKS AGENCY
ENGINEERING SERVICES DEPARTMENT

PROJECT MANAGER	
SPEC. NUMBER CP11-05	SHEET 14 OF 31
PROJECT NUMBER ENT 11103	DRAWING NUMBER 113562



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Sheet	Title	Revisions	R&A No.
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	OSHPD CORR.		
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MAMMOGRAPHY ROOMS
& NEEDLE BIOPSY ROOM
VENTURA COUNTY MEDICAL CENTER
3291 LOMA VISTA ROAD
VENTURA, CALIFORNIA

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Door Hardware (cont)

- D. Existing frames and doors to be retrofitted with new hardware:
- Field-verify conditions and dimensions prior to ordering hardware. Fill existing hardware cut outs not being reused by the new hardware. Remove existing hardware not being reused, return to Owner unless directed otherwise.
 - Field modify existing hollow metal frames for electric strike per the frame manufacturer's listing service. Re-certify frame labels that are field modified.
 - Remove existing floor closers not scheduled for reuse, fill cavities with concrete and finish smooth.
 - Cut and weld existing steel frames currently prepared with 2-3/4" height strikes. Cut an approx. 8" section from the strike jamb and weld in a reinforced section to accommodate specified hardware's strike.
 - Patch and weld flush filler pieces into existing door hardware preparations in steel doors and frames, leave surfaces smooth.
 - Glue in solid wood block fillers to fill cut outs in existing wood doors, sand surfaces smooth. Alternatively, use an approved epoxy-based wood filler product, submit product data for approval.

3.3 INSTALLATION

- A. Install hardware per manufacturer's instructions and recommendations. Do not install surface-mounted items until finishes have been completed on substrate. Set units level, plumb and true to line and location. Adjust and reinforce attachment substrate for proper installation and operation. Remove and reinstall or replace work deemed defective by Architect.
- Gaskets: install jamb-applied gaskets before closers, overhead stops, rim strikes, etc; fasten hardware over and through these seals. Install sweeps across bottoms of doors before astragals, cope sweeps around bottom pivots, trim astragals to tops of sweeps.
 - When hardware is to be attached to existing metal surface and insufficient reinforcement exists, use RivNuts, NutSets or similar anchoring device for screws.
 - Use manufacturer's fasteners furnished with hardware items, or submit Request for Substitution with Architect.
 - Replace fasteners damaged by power-driven tools.
- B. Locate floor stops no more than 4 inches from walls and not within paths of travel. See paragraph 2.2 regarding hinge widths, door should be well clear of point of wall reveal. Point of door contact no closer to the hinge edge than half the door width. Where situation is questionable or difficult, contact Architect for direction.
- C. Core concrete for exterior door stop anchors. Set anchors in approved non-shrink grout.
- D. Locate overhead stops for minimum 90 degrees and maximum allowable degree of swing.
- E. Drill pilot holes for fasteners in wood doors and/or frames. Centerpunch hole locations before using self-drilling type screws to prevent skating. Replace screws that are not centered in their holes.
- F. Lubricate and adjust existing hardware scheduled to remain. Carefully remove and give to Owner items not scheduled for reuse.
- G. Field verify existing conditions and measurements prior to ordering hardware. Fill existing hardware cut outs not being used by the new hardware. Remove existing hardware not being reused.
- H. Disable or remove existing floor closers where they exist. If disabled cut or remove spindle.
- I. Where existing wall conditions will not allow door to swing using the scheduled hinges, provide wide-throw hinges and if needed extended arms on closers.
- J. Provide proper brackets to accommodate the mounting of closers on doors with flush transoms.

3.4 ADJUSTING

- A. Adjust and check for proper operation and function. Replace units, which cannot be adjusted to operate freely and smoothly.
- Hardware damaged by improper installation or adjustment methods: repair or replace to Owner's satisfaction.
 - Adjust doors to fully latch with no more than 1 pound of pressure.
 - Adjust delayed-action closers on fire-rated doors to fully close from fully-opened position in no more than 10 seconds.
 - Adjust door closers per 1.9 this section.
- B. Inspection: Use hardware supplier's consultant or consultant's agent. Include supplier's report with closeout documents.
- C. Final inspection: Installer to provide letter to Owner that upon completion installer has visited the Project and has accomplished the following:
- Re-adjust hardware.
 - Evaluate maintenance procedures and recommend changes or additions, and instruct Owner's personnel.
 - Identify items that have deteriorated or failed.
 - Submit written report identifying problems

3.5 DEMONSTRATION:

- A. Demonstrate mechanical hardware and electrical, electronic and pneumatic hardware systems, including adjustment and maintenance procedures.

3.6 PROTECTION/CLEANING:

- A. Cover installed hardware, protect from paint, cleaning agents, weathering, carts/barrows, etc. Remove covering materials and clean hardware just prior to substantial completion.
- B. Clean adjacent wall, frame and door surfaces soiled from installation/reinstallation process.

3.7 SCHEDULE OF FINISH HARDWARE

- A. See door schedule in drawings for hardware set assignments.
- B. Miscellaneous Material:

HW SET: 01

3 EA HINGE	5BB1 4.5 X 4.5	652	IVE
1 EA PRIVACY SET	28-10U65 LL (2-3/4 LATCH, ANSI STRIKE)	626	SAR
1 EA SURFACE CLOSER	4041 DEL	689	LCN
1 EA WALL STOP	WS406/407 SERIES AS REQUIRED	630	IVE
1 SET SEALS	5880	DKB	PEM

INSTALL CLOSER FOR 180 DEGREE SWING

HW SET: 02

3 EA HINGE	5BB1 4.5 X 4.5	652	IVE
1 EA PASSAGE SET	28-10U15 LL (2-3/4 LATCH, ANSI STRIKE)	626	SAR
1 EA SURFACE CLOSER	4041	689	LCN
1 EA MOUNTING PLATE	4040-18 (IF REQUIRED FOR HOLDER)	689	LCN
1 EA OVERHEAD STOP	4505	630	GLY
1 SET SEALS	5880	DKB	PEM

HW SET: 03

1 EA ELECTRIC STRIKE	6211 FSE 24VDC	630	VON
1 EA AUTO. OPERATOR	9531 STD	628	LCN
2 EA ACTUATOR	136-3 CLEAR	628	WIK
1 EA MEMO BALANCE OF HARDWARE IS EXISTING			
1 EA MEMO MODIFY EXISTING HMF FOR ELECTRIC STRIKE			

REMOVE STANDARD SURFACE CLOSER AND INSTALL NEW AUTO OPERATOR, ELECTRIC STRIKE AND WALL ACTUATORS. MODIFY AND RELABEL EXISTING HMF PER MANUFACTURER'S LABEL SERVICE REQUIREMENTS. EXISTING SARGENT 10 LINE LATCH

HW SET: 04

1 EA ADJUST ADJUST EXISTING CLOSER AS DIRECTED			
1 EA MEMO BALANCE OF HARDWARE IS EXISTING			

HW SET: 05

1 EA ELECTRIC STRIKE	6113 FSE 24VDC	630	VON
1 EA AUTO. OPERATOR	9531 STD	628	LCN
2 EA ACTUATOR	136-3 CLEAR	628	WIK
1 EA MEMO BALANCE OF HARDWARE IS EXISTING			
1 EA MEMO MODIFY EXISTING HMF FOR ELECTRIC STRIKE			

REMOVE STANDARD SURFACE CLOSER AND INSTALL NEW AUTO OPERATOR, ELECTRIC STRIKE AND WALL ACTUATORS. MODIFY AND RELABEL EXISTING HMF PER MANUFACTURER'S LABEL SERVICE REQUIREMENTS.

EXISTING SARGENT 80 SERIES RIM EXIT DEVICE

HW SET: 06

3 EA HINGE	5BB1 4.5 X 4.5	652	IVE
1 EA PRIVACY SET	28-10U65 LL (2-3/4 LATCH, ANSI STRIKE)	626	SAR
1 EA WALL STOP	WS406/407 SERIES AS REQUIRED	630	IVE
1 EA DBL WARDROBEHOOK	582	626	IVE

HW SET: 07

3 EA HINGE	5BB1 4.5 X 4.5	652	IVE
1 EA PASSAGE SET	28-10U15 LL (2-3/4 LATCH, ANSI STRIKE)	626	SAR
1 EA SURFACE CLOSER	4041 DEL	689	LCN
1 EA KICK PLATE	8400 10" X 2" LDW	630	IVE
1 EA WALL STOP	WS406/407 SERIES AS REQUIRED	630	IVE
1 SET SEALS	5880	DKB	PEM

HW SET: 08

3 EA HINGE	5BB1 4.5 X 4.5	652	IVE
1 EA STOREROOM LOCK	28-10G04 LL (2-3/4 LATCH, ANSI STRIKE)	626	SAR
1 EA SURFACE CLOSER	4041 DEL	689	LCN
1 EA KICK PLATE	8400 10" X 2" LDW	630	IVE
1 EA WALL STOP	WS406/407 SERIES AS REQUIRED	630	IVE
1 SET SEALS	5880	DKB	PEM

8.04 AUTOMATIC ENTRY DOOR

1.02 REFERENCES

- A. AMA 605.2-85 - Standard for High Performance Pigmented Organic Coatings which cannot be adjusted to operate freely and smoothly.
- B. NSI/BHMA
- C. A156.1 - Power Operated Pedestrian Door.
- D. FPA 101 - Life Safety Code.
- E. UL 235 - Electric Door, Drapery, Gate, Louver and Window Operators and Systems.

1.03 SYSTEM DESCRIPTION

- A. Automatic Door Equipment: Electrically operated with proximity control device.
- B. Doors: Single leaf single sliding automatic doors with additional fixed panel and emergency breakaway hardware, surface mounted track operation.

1.04 PERFORMANCE

- A. Automatic door equipment to accommodate pedestrian traffic, and weight of doors.
- B. Equipment: UL 235 listed, ESR-2740
- C. Design system to operate, hold open and close doors under design wind and suction loads calculated in accordance with the building code designated in Section 01015.
- D. Provide for thermal expansion and contraction of door and frame units, transmitted to operating equipment.
- E. Provide for dimensional distortion of components during operation.
- F. Provide for opening and closing operation of door panels in the event of power failure.
- G. Provide for emergency breakaway operation of door panels.
- H. Provide fully adjustable operators for opening and closing speeds, checking speeds, hold open time and motion detection pattern and sensitivity.

1.05 QUALITY ASSURANCE

- A. Manufacturer: Company specializing in manufacture of door operating equipment with ten years documented experience.
- B. Installer: Company specializing in performing the work of this section with minimum five years continuous current documented experience and approved by material manufacturer. A California Contractor's State License Board Class C-17 license is required.
- C. Comply with ANSI/BHMA A156.1.

1.06 REGULATORY REQUIREMENTS

- A. Conform to 2001 California Building Code requirements for automatic release of control drive unit to permit manual opening of doors.
- B. Conform to applicable sections of Chapter 5 of NFPA 101.

1.07 SUBMITTALS

- A. Submit shop drawings and product data as specified in Section 01340

1.08 PROJECT RECORD DOCUMENTS

- A. Submit documents as specified in Section 01720.
- B. Accurately record locations of concealed equipment, services, connections, and conduit.

1.09 OPERATION AND MAINTENANCE DATA

- A. Submit data as specified in Section 01730.

- B. Include manufacturer's parts list and maintenance instructions for each type of hardware.

1.10 PRE-INSTALLATION CONFERENCE

- A. Convene a pre-installation conference one week prior to commencing work of this Section, under provisions of Division 1 - General Provisions.

1.12 WARRANTY

- A. Provide five year warranty under provisions of Division 1 - General Provisions.
- B. Warranty: Include coverage of operating unit.

1.13 Not Used

1.14 MAINTENANCE SERVICE

- A. Furnish complete service and maintenance of operating equipment for one year from Date of Substantial Completion.

1.15 MAINTENANCE MATERIALS

- A. Provide any specialized wrenches and tools required for maintenance of equipment.

PART 2 PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS

- A. Besam Automated Entrance Systems, Inc.
1900 Airport Road
Monroe, NC 28110
(866) 237-2687
(704) 290-5551
www.besam.com
Product: Besam "Uniside" OC30-8-6, Overhead Concealed, Fixed Sidelite, Narrow Slite, Single Slide, Sliding Door System, with transom, and additional Fixed Sidelite
- B. Other manufacturers offering equivalent product
Stanley Access Technologies
65 Scott Swamp Road
Farmington, CT 06032
1-800-722-2377
Fax 1-860-679-6436
www.stanleyworks.com

All products offered as equivalent to the specified manufacturer's products listed herein shall be equivalent to all the properties, specifications, appearance, conformance to standards, finish and function of the specified manufacturer's product.

C. Substitutions: Under provisions of Section 01640.

2.02 POWER UNITS

- A. Operation: Power open, power close operation.
- B. Electric Type: Self-contained.

2.03 AUTOMATIC SLIDE OPERATOR

- A. Concealed overhead operator for accommodating door action.

2.04 FINISHES

- A. Exterior Exposed Aluminum Frame and Trim: Standard Finish Clear Anodized Aluminum: AA-C23-A31.
- B. Interior Exposed Aluminum Frame and Trim Surfaces: Same as exterior exposed aluminum frame surfaces.
- C. Exposed Aluminum Brake Metal Surfaces: Same as exterior exposed aluminum frame surfaces.

- D. Concealed Steel Items: Galvanized in accordance with ANSI-ASTM A366 to 2.0 oz/sq.ft.

2.05 POWER UNITS

- A. Operation: Power open, power close operation.
- B. Electric Type: Self-contained.

2.06 AUTOMATIC SLIDE OPERATOR

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- A. Exterior Exposed Aluminum Frame and Trim: Standard Finish Clear Anodized Aluminum: AA-C23-A31.
- B. Interior Exposed Aluminum Frame and Trim Surfaces: Same as exterior exposed aluminum frame surfaces.
- C. Exposed Aluminum Brake Metal Surfaces: Same as exterior exposed aluminum frame surfaces.

- D. Concealed Steel Items: Galvanized in accordance with ANSI-ASTM A366 to 2.0 oz/sq.ft.

9.01 GYPSUM BOARD AND METAL FRAMING SYSTEMS

- A. Gypsum Board: United States Gypsum Company, or equivalent.
Gypsum Board: ASTM C36, fire resistive type (type x) throughout, UL rated; 5/8 inch thick, maximum permissible length; ends square cut, tapered edges.

- B. Accessories:
Acoustical Insulation: ASTM C665; preformed glass fiber, friction fit type, unfaced, 3-1/2" thickness or as indicated on drawings.
Thermal Insulation at Furring: ASTM C612; preformed rigid or semi-rigid glass fiber boards, friction fit type, unfaced, 1-1/2" thickness or as indicated on drawings.
Acoustical Sealant: Non-hardening, non-skinning, for use in conjunction with gypsum board; No. 3131 - manufactured by W.W. Henry or approved equivalent.
Corner Beads and Trim: Metal, ASTM C 1047 and C 840, hot dip galvanized.
Joint Materials: ASTM C475; reinforced tape, joint compound, adhesive, and water.
Prime Coat: U.S. Gypsum "First Coat" or Hamilton "Prep Coat".
Texture Finish Materials: Latex based texturing material, containing fine aggregate.

C. Metal Framing and Furring Installation:

- Metal Stud and Joist Framing: Manufacturer shall be a member of the Steel Stud Manufacturer's Association, and provide products covered by ICC Evaluation Report #4943P. Metal Studs and Tracks: ASTM C645 (non load bearing); galvanized sheet steel. Unless otherwise detailed, studs and track shall be 20 gauge material, Vertical studs shall have 1-5/8" flange; sill track shall have 1-1/2" flange; slip track shall have flanges as detailed. Dietrich "SLP-TRK" is an acceptable alternate to double slip track at top of wall condition.

- Install studs and joists plumb and level, in accordance with ASTM C754 and manufacturer's ICC Evaluation Report, 16 inches on center typical U.N.O. Connections shall be welded and screwed as detailed on the drawings.

- Install acoustical sealant where indicated and at gypsum board perimeter at metal framing, and at penetrations of partitions by conduit, pipe, duct work, and rough-in boxes.

- Install double studs at open ends of partitions that do not intersect cross partitions

- Complete framing ready to receive gypsum board.

1. Stud sections - SSMA section with 1-5/8" flanges, 20 gauge minimum.

2. Bottom Tracks - SSMA section with 1-1/2" legs, 16 gauge minimum, unpunished.

3. Top Tracks, slip connection - SSMA section with 2" legs, 14 gauge minimum, unpunished.

4. Top Tracks, fixed connection - SSMA section with 1-1/2" legs, 16 gauge minimum, unpunished.

- D. Bridging: Unpunched channel shaped members designed for use with the studs, formed from hot dip zinc coated steel, 16 gage.

- E. Strapping, Lateral Bracing, Clip Angles and other Accessories: Manufacturer's standard components formed from hot dip zinc coated steel, 16 gage minimum.

F. Backing Plates:

1. Continuous backing plates installed behind cement board at inside face of parapet walls to receive fasteners for roofing base flashings: 16 gage galvanized steel sheet.

2. For grab bars, handrail brackets, etc.: 16 gage steel track section or steel plate 3/16 inch thick, of proper size to accommodate fastenings.

- G. "Z" furring members: Steel, 16 gage minimum, of size and profile indicated.

- H. Gypsum Board Installation: Install gypsum board in accordance with GA-201, GA-216, GA-600 and manufacturer's instructions, with self-tapping screws.

- I. Joint Treatment: All joints, including internal and external corners, shall be filled and taped and 3-coat finished. All fastener heads and metal trim shall be 3-coat finished.

- J. Prime Coat: Thoroughly remove all dust with a large damp sponge. Roller or airless spray apply prime coat in accordance with prime coat manufacturer's published application recommendations for full and complete coverage.

- K. Texture Finish: Gypsum board shown to be painted shall be fine-grained "orange peel" spray stipple finished at walls and ceiling. Spray-apply finish texture coating in accordance with manufacturer's instructions.

9.02 INTERIOR GYPSUM PLASTER

- A. Where shown on drawings, or where existing plastered walls are being patched, provide metal lath and plaster finish applied to wall framing. Lath shall be 3.4 lb. galvanized expanded metal. Provide 3-coat gypsum plaster finish to match existing, maximum 1-3 gypsum to sand ratio, in conformance with CBC chapter 25 and manufacturer's recommendations.

9.03 CERAMIC TILE

- A. Provide wall and floor tile and perform work in accordance with the Tile Council of America (TCA) Handbook for Ceramic Tile Installation, latest edition

- B. Wall tile shall be 4" x 4" glazed ceramic tile, color group 1. Install per TCA recommendations for thin-set wall tile over gypsum board or cementitious backer board.

- C. Floor tile shall be 2" x 2" unglazed ceramic tile, color group 1. Install per TCA recommendations for thin-set floor tile over concrete subfloor.

- D. Provide tile products as available from the standard lines of Dal Tile.

- E. Provide cove, cap and angle trim shapes for all corners and edge conditions.

- F. Threshold: one-piece white marble threshold, full depth and width of frame opening, beveled both sides, radiused edges. Installation in accordance with TCA Handbook for Ceramic Tile Installation - Method TR611.

- G. The installed dry surface static coefficient of friction for finish surface materials shall be not less than 0.60 for level walking surfaces when tested in accordance with procedures outlined in ASTM Test Method C-1028-89.

9.04 RESILIENT FLOORING AND BASE

- A. Match existing adjacent materials.

9.05 PAINTING

- A. Materials: All material shall be manufacturer's first quality and best grade and shall be delivered in original, unopened containers. Materials shall not be diluted by addition of thinners except as recommended by manufacturer's label instructions.

- B. Examination and Preparation: Verify that substrate conditions are ready to receive work.
Correct minor defects and clean surfaces which affect work of this Section. Protect adjacent surfaces against damage and stains.
Gypsum Board Surfaces: Fill minor defects with latex compounds. Spot prime defects after repair. The first coat shall be roller applied and include such repeated touching up of suction spots of overall application of sealer as necessary to produce a uniform color and gloss.
Galvanized Surfaces: Remove surface contamination and oils and wash with solvent. Apply coat of etching primer.

- Exposed metal work, both interior and exterior, including unplated plumbing, piping, and trim, shall be thoroughly cleaned before application of paint. Remove rust, scale, grease and pickling solution. Wash with solvent if necessary.

- Shop Primed Steel Surfaces: Sand and scrape to remove loose primer and rust, clean surfaces with solvent. Prime bare steel surfaces.

- Demolition: Where existing partitions, walls, floors, ceiling, roof or floor construction, curbs, fixtures, outlets, ducts, piping, conduit, trim and other such items are shown to be removed, existing remaining construction and new patch and repair work thereto, shall be painted to match existing and/or new adjacent construction and finish.

- C. Application: Apply products in accordance with manufacturer's instructions.
All edges of paint adjoining other materials or colors shall be sharp, straight, and clean, and without overlapping.

- Exposed ducts, piping, conduits, ferrous or galvanized metal work, factory primed equipment, and other such features for which a paint process is not specifically designated, are to be finished to match adjacent painted walls or ceilings if the area or space in which they occur is scheduled to be painted.

- All closets, alcoves, recesses and other such accessory spaces shall be finished the same as adjoining rooms, unless shown otherwise on the drawings.

- Remove unfinished louvers, grilles, covers, and access panels and paint separately. Paint dampers and ducts visible behind louvers and grilles flat black.

D. Schedule - Interior Paint Processes

- Gypsum Board:
Process S (semi-gloss)
1 coat sealer W420 Walltone (confirm installation of gypsum sealer specified above)
2 coats semi-gloss, W450, Decoglo (1st coat roller applied)

- Wood:
Process WN (wood-natural)
1 coat stain LQ120 Decolag
1 coat sealer V161 Acritthane
2 coats clear finish V163 Acritthane
Process S (semi-gloss):
1 coat undercoat W707 Unikote
2 coats semi-gloss W450 Decoglo

- Metal-Galvanized:
Process S (semi-gloss):
1 coat primer QD43-7 GalValum
2 coats semi-gloss W450 Decoglo

- Metal-Ferrous:
Process S (semi-gloss):
1 coat primer 43-5 Corrobar
1 coat semi-gloss W450 Decoglo

- 10.01 TOILET ACCESSORIES
- A. Conform to applicable portions of the 2001 California Building Code, The Americans With Disabilities Act (ADA) and ANSI A117.1.

- B. SUBMITTALS
Submit under provisions of Section 01001.
Product Data: Provide data on accessories describing size, finish, details of function and attachment methods.
Manufacturer's Installation Instructions: Indicate special procedures and perimeter conditions requiring special attention.

- C. MATERIALS
Manufacturers:
1. Bobrick Washroom Equipment, Inc.
2. American Specialties, Inc. (ASI)
Substitutions: Under provisions of Section 00100 and Section 01001.

- All products offered as equivalent to the specified manufacturer's products listed herein shall be equivalent to all the properties, specifications, appearance, conformance to standards, finish and functions of the specified manufacturer's product.
Sheet Steel: ASTM A366.
Stainless Steel Sheet: ASTM A167 Type 304.

- Tubing: ASTM A269 stainless steel.
Fasteners, Screws, and Bolts: Hot dip galvanized steel, tamper-proof type.

- D. FABRICATION
Form surfaces flat without distortion. Weld and grind joints smooth.
Shop assemble components and package with anchors and fittings.
Back paint components to prevent electrolysis.
Provide steel anchor plates, adapters, and anchor components for installation.
Hot dip galvanize exposed and painted ferrous metal and fastening devices.
Locks shall be keyed alike for each type of accessory; 2 keys shall be furnished for each lock or each group of accessories keyed alike. Locks shall be the manufacturer's standard locks.

- E. FINISHES
Anchors: Galvanize to 1.25 oz/sq yd.
Ferrous Metals - Shop Primed: Pretreat and clean, spray apply one coat primer and bake.
Enamel: Pretreat, one coat primer and two coats baked enamel.
Chrome/Nickel Plating: ASTM B456, Type SC2; satin finish.
Stainless Steel: No. 6 satin luster finish.

- F. EXAMINATION AND PREPARATION
Verify exact location of accessories for installation.
Verify that site conditions are ready to receive work and dimensions are as indicated on shop drawings and as instructed by the manufacturer.
Deliver inserts and rough-in frames to site. Provide templates, setting drawings, instructions and rough-in measurements as required. Coordinate delivery with the work and schedule of other sections.

EXISTING AIR HANDLING UNIT

UNIT TAG	DUTY	CFM	ESP	FAN			MOTOR NAMEPLATE				COILS			FILTERS		OA CFM	TYPE	MANUFACTURER AND MODEL NO.	REMARKS	
				SP	RPM	BHP	RPM	HP	V	HZ	PH	PHC	CC	HC	PRE					FINAL
MZ-1	PART OF 1ST & 2ND FLOOR OF BLDG. 305	4,380	-	2.5	975	4.5	800	7.5	460	60	3	NO	YES	YES	30%	95%	100%	MULTI-ZONE	CARRIER 39NXB131	

EXISTING HEAT PUMP

UNIT TAG	DUTY	CFM	EXT. ST. PRESSURE	COOLING			HEATING			MOTOR NAMEPLATE				OA CFM	WEIGHT (LBS)	MANUFACTURER AND MODEL NO.	REMARKS		
				BTUH	EAT DB/WB	SEER	BTUH	EAT DB/WB	COP	RPM	HP	V	HZ					PH	MCA
HP-2	SECOND FLOOR	3,400	2.0"	130,000	80/67	9.6	110,000	80/67	3.0	1,750	3	460	60	3	85	29%	1,579	TRANE WCH-120-B4-0B	36 KW ELECTRIC HEATER.

EXISTING FANS

UNIT TAG	DUTY	CFM	FAN			MOTOR NAMEPLATE				TYPE	MANUFACTURER AND MODEL NO.	REMARKS
			SP	RPM	BHP	RPM	HP	V	HZ			
EF-1	BLDG. 305, PART OF 1ST & 2ND FLOOR	4,380	0.5"	1,277	1.13	1,750	2	480	60	3	CENTRIFUGAL FAN	COOK CPV-180
EF-2	SECOND FLOOR	1,000	0.5"	-	-	1/3	115	60	1		CENTRIFUGAL FAN	-

COILS

UNIT TAG	DUTY	CFM	SIZE	FV	MBH	EDB	EWB	LDB	LWB	EWT	LWT	GPM	ROWS	APD	WPD	FPF	WEIGHT (LBS)	BRANCH PIPE SIZE	CONTROL VALVE ARRANGEMENT	REMARKS
RHC-1	ROOM TEMPERATURE CONTROL	230	6x12	460	9.4	52F	-	90F	-	-	-	-	1	0.15	-	120	<25	INLET 3/4" OUTLET 1/2"	2-WAY	10-PSIG STEAM PRESSURE
RHC-2	ROOM TEMPERATURE CONTROL	250	6x12	500	10.3	52F	-	90F	-	-	-	-	1	0.17	-	120	<25	INLET 3/4" OUTLET 1/2"	2-WAY	10-PSIG STEAM PRESSURE
RHC-3	ROOM TEMPERATURE CONTROL	320	9x12	427	13.1	52F	-	90F	-	-	-	-	1	0.16	-	120	<25	INLET 3/4" OUTLET 1/2"	2-WAY	10-PSIG STEAM PRESSURE
PHC-1	MZ-1 PREHEAT	3,400	21x57	529	151	29F	-	60.6F	-	-	-	-	-	-	-	48	60	INLET 1" OUTLET 3/4"	2-WAY	10-PSIG STEAM PRESSURE, 159 LBS/HR

HUMIDIFIER - STEAM

UNIT TAG	DUTY	CFM	DUCT SIZE	COOLING AND HUMIDIFYING		HEATING AND HUMIDIFYING		STEAM PRESS (PSIG)	ORIFICE SIZE (IN.)	QTY OF MANIFOLDS	WEIGHT (LBS)	REMARKS
				EAT DB/WB	CAP (LBS/HR)	VISIBLE VAPOR LENGTH	EAT DB/WB					
HU-1	ROOM HUMIDITY CONTROL	230	6x12	52/40F	4.5	2'	29/25F	5.0	3/32	1	<25	IB TRAP, 3/4" LPS & 1/2" LPC BRANCH LINES
HU-2	ROOM HUMIDITY CONTROL	250	6x12	52/40F	4.6	2'	29/25F	5.1	3/32	1	<25	IB TRAP, 3/4" LPS & 1/2" LPC BRANCH LINES
HU-3	ROOM HUMIDITY CONTROL	320	9x12	52/40F	6.3	3'	29/25F	6.8	3/32	1	<25	IB TRAP, 3/4" LPS & 1/2" LPC BRANCH LINES

PLUMBING FIXTURES

UNIT TAG	FIXTURE	MINIMUM CONNECTIONS (IN.)					FIXTURE DESCRIPTION	ACCESSORIES DESCRIPTION
		S/W	VENT	DRAIN	CW	HW		
WC-1	WATER CLOSET	4	2	-	1-1/4	-	VITREOUS CHINA, LOW CONSUMPTION, WALL MOUNTED, ELONGATED BOWL, DIRECT-FED SIPHON JET, TOP SPUD, 25 PSIG AT FLUSH VALVE. COLOR: WHITE.	1.6 GPF FLUSH VALVE, CHROME PLATED, NON-HOLD-OPEN HANDLE, VANDAL RESIST. STOP CAP, VACUUM BREAKER. OPEN FRONT, HEAVY DUTY. WHITE TOILET SEAT. ADJUSTABLE VERTICAL FITTINGS, COMPACT FIXTURE SUPPORTS FOR SIPHON JET WATER CLOSETS.
WC-2	WATER CLOSET (ACCESSIBLE)	4	2	-	1-1/4	-	VITREOUS CHINA, LOW CONSUMPTION, WALL MOUNTED, ELONGATED BOWL, DIRECT-FED SIPHON JET, TOP SPUD, 25 PSIG AT FLUSH VALVE. COLOR: WHITE. WALL MOUNTED FOR ADA COMPLIANCE.	1.6 GPF FLUSH VALVE, CHROME PLATED, NON-HOLD-OPEN HANDLE, VANDAL RESIST. STOP CAP, VACUUM BREAKER. OPEN FRONT, HEAVY DUTY. WHITE TOILET SEAT. ADJUSTABLE VERTICAL FITTINGS, COMPACT FIXTURE SUPPORTS FOR SIPHON JET WATER CLOSETS.
U-1	URINAL	3	1-1/2	-	1	-	VITREOUS CHINA, LOW CONSUMPTION, FLUSHING RIM, WASHOUT FLUSH ACTION, WALL MOUNTED, TOP-SPUD, 20 PSIG AT FLUSH VALVE. COLOR: WHITE. WALL MOUNTED FOR ADA COMPLIANCE.	1.0 GPF EXPOSED URINAL FLUSH VALVE, CHROME PLATED, NON-HOLD-OPEN HANDLE, VANDAL RESISTANT STOP CAP, VACUUM BREAKER FLUSH CONNECTION, OFF THE FLOOR URINAL SUPPORT WITH BEARING PLATE FOR WASHOUT URINALS.
L-1	LAVATORY	2	1-1/2	-	1/2	1/2	VITREOUS CHINA, WALL HUNG, FAUCET LEDGE, FAUCET HOLES ON 4" CENTERS, FOR CONCEALED ARM SUPPORTS. COLOR: WHITE.	FAUCET: CHROME PLATED, LEVER STYLE SINGLE HANDLE WITH HOT AND COLD COLOR INDICATORS. LAMINAR FLOW OUTLET, GRID STRAINER. SUPPORT: LAVATORY SUPPORT WITH CONCEALED ARMS.
L-2	LAVATORY	2	1-1/2	-	1/2	1/2	VITREOUS CHINA, SELF-RIMMING OVAL COUNTERTOP LAVATORY, FAUCET HOLES ON 4" CENTERS, OVERFLOW. COLOR: WHITE.	FAUCET: CHROME PLATED, LEVER STYLE SINGLE HANDLE WITH HOT AND COLD COLOR INDICATORS. LAMINAR FLOW OUTLET, GRID STRAINER.
S-1	SINK	2	1-1/2	-	1/2	1/2	VITREOUS CHINA, WALL HUNG, FAUCET LEDGE, SINGLE-HOLE, FOR CONCEALED ARM SUPPORTS. COLOR: WHITE.	FAUCET: BATTERY POWERED, SENSOR ACTIVATED ELECTRONIC GOOSENECK FAUCET, SHOWER SPRAY HEAD, GRID STRAINER. SUPPORT: LAVATORY SUPPORT WITH CONCEALED ARMS.
DF-1	DRINKING FOUNTAIN	1-1/2	1-1/2	-	1/2	-	18-GAUGE STAINLESS STEEL WITH NO. 4 SATIN FINISH, CHROME-PLATED NON-SQUIRT BUBBLER. MOUNTING FRAME. WHEELCHAIR ACCESSIBLE.	
FD-1	FLOOR DRAIN	2	1-1/2	-	1/2	-	DUCCO CAST IRON BODY WITH FLASHING COLLAR AND SQUARE ADJUSTABLE STRAINER HEAD.	AUTOMATIC TRAP PRIMER: CAST BRONZE WITH 1/2" CONNECTION.

PROVIDE HANGERS, SUPPORTS, SEISMIC RESTRAINTS AND/OR BRACING FOR ALL EQUIPMENT, PIPING, DUCTWORK, AND CONDUIT TO SUSTAIN VERTICAL LOADS AND RESIST HORIZONTAL FORCES IN ANY DIRECTION TO COMPLY WITH 2007 EDITION OF TITLE 24, PART 2, CALIFORNIA BUILDING CODE AND THE 2005 EDITION OF ASCE 7 CHAPTER 13.

PIPES, DUCTS, AND CONDUITS SHALL BE SUPPORTED AND BRACED PER OSHPD PRE-APPROVAL NO. OPA-0349 THE 'MASON INDUSTRIES SEISMIC RESTRAINT GUIDELINES', NO. OPA-0242 THE 'POWERSTRUT SEISMIC RESTRAINT SYSTEM', OR NO. OPA-0114 THE 'B-LINE SEISMIC RESTRAINT SYSTEM' FOR PIPES AND CONDUITS ONLY. A COPY OF THE OSHPD PRE-APPROVED DOCUMENTS SHALL BE AT THE JOB SITE AT ALL TIMES. INSTALLATION OF THIS EQUIPMENT MUST BE DONE IN STRICT ACCORDANCE WITH THE PRE-APPROVED DOCUMENTS.

LAYOUT DRAWINGS, SHOWING THE BRACING/SUPPORT LOCATIONS AND REFERENCES TO DETAILS FROM THE RELEVANT OSHPD PRE-APPROVALS FOR PIPING/DUCTS/CONDUITS EXCEPT FIRE SPRINKLERS, SHALL BE SUBMITTED FOR USE BY THE IOR AND OSHPD FIELD STAFF. THE LAYOUT DRAWINGS, PREPARED PER SECTION 1632A.6, SHALL BE REVIEWED AND ACCEPTED BY THE AOR AND EOR (SE AND/OR ME/EE) PRIOR TO START OF INSTALLATION OF THE BRACING/SUPPORT. IOR SHALL ENSURE THE ABOVE REQUIREMENTS ARE SATISFIED.

ANCHORAGE OF ALL EQUIPMENT TO BE INSTALLED, AS A PART OF THIS PROJECT SHALL BE DETAILED ON THESE PLANS, EXCEPT FOR THE FOLLOWING:

- EQUIPMENT WEIGHING LESS THAN 400 POUNDS SUPPORTED DIRECTLY ON THE FLOOR OR ROOF.
- BLANK
- TEMPORARY OR MOVABLE EQUIPMENT (EXCEPT AS NOTED IN TABLE 16A-0.)
- EQUIPMENT WEIGHING LESS THAN 20 POUNDS SUPPORTED BY VIBRATION ISOLATORS.
- EQUIPMENT WEIGHING LESS THAN 20 POUNDS SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

PERMANENT EQUIPMENT IN ITEMS 1, 4, AND 5 MUST BE SUPPORTED AND ANCHORED TO RESIST THE FORCES PRESCRIBED BY CHAPTER 13 AND THE ANCHORAGE SHALL BE APPROVED BY THE APPROPRIATE DESIGN PROFESSIONAL OF RECORD AND OSHPD AS A PART OF FIELD REVIEWS/OBSERVATIONS. THE INSPECTOR OF RECORD SHALL ASSURE THAT THE ABOVE REQUIREMENTS ARE ENFORCED.

EXPANSION ANCHORS FOR USE IN CONCRETE IN DRY LOCATIONS SHALL BE HILTI KWIK BOLT TZ CARBON STEEL WEDGE ANCHORS OR APPROVED EQUAL. EXPANSION ANCHORS FOR USE IN CONCRETE IN DAMP AND WET LOCATIONS SHALL BE HILTI KWIK BOLT TZ STAINLESS STEEL WEDGE ANCHORS OR APPROVED EQUAL. ALLOWABLE SHEAR AND TENSION VALUES IN POUNDS FOR EACH ANCHOR SHALL BE 80% OF THE VALUES SHOWN IN THE 2007 ISSUE OF ICBO REPORT NO. ESR-1917. PROVIDE ANCHORS OF DIAMETER AND MINIMUM EMBEDMENT INDICATED. DRY LOCATIONS ARE DEFINED AS LOCATIONS NOT NORMALLY SUBJECT TO DAMPNESS OR WETNESS. DAMP LOCATIONS ARE DEFINED AS PARTIALLY PROTECTED LOCATIONS UNDER CANOPIES, MARQUEES, ROOFED PORCHES, AND LIKE LOCATIONS AND INTERIOR

LOCATIONS SUBJECT TO MODERATE DEGREES OF MOISTURE, SUCH AS SOME BASEMENTS. WET LOCATIONS ARE DEFINED AS INSTALLATIONS UNDERGROUND OR IN CONCRETE SLABS OR MASONRY IN DIRECT CONTACT WITH THE EARTH, LOCATIONS SUBJECT TO SATURATION WITH WATER OR OTHER LIQUIDS, AND LOCATIONS EXPOSED TO WEATHER AND UNPROTECTED.

PROOF LOAD TEST FOR WEDGE TYPE CONCRETE ANCHOR BOLTS: WHERE CONCRETE ANCHOR BOLTS OF THE WEDGE EXPANSION TYPE ARE LOADED IN PULLOUT OR SHEAR, 50% OF THE BOLTS (ALTERNATE BOLTS IN ANY GROUP ARRANGEMENT) SHALL BE PROOF TESTED AT LEAST 24 HOURS AFTER INSTALLATION IN THE PRESENCE OF PROJECT INSPECTOR TO THE TEST VALUES LISTED FOR THE PARTICULAR ANCHOR. APPLY PROOF TEST LOAD TO WEDGE ANCHOR 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 AND APPLY LOAD. THE ANCHOR SHALL HAVE NO OBSERVABLE MOVEMENT AT THE APPLICABLE TEST LOAD. IF ANY BOLTS FAIL THE PROOF LOAD TEST, TEST ALL ANCHOR BOLTS OF THE SAME TYPE, INSTALLED BY THE SAME TRADE, AND NOT PREVIOUSLY TESTED, UNTIL 20 CONSECUTIVE ANCHORS PASS, THEN RESUME INITIAL TEST FREQUENCY.

MATERIAL:	HARD ROCK OR LIGHTWEIGHT CONCRETE				
TEST:	DIRECT PULL TENSION OR TORQUE				
BOLT DIAMETER (INCHES):	1/4	3/8	1/2	5/8	3/4
TENSION VALUE (LBS):	800	1100	2000	2300	3700
TORQUE VALUE (FT-LBS):	10	25	50	80	150

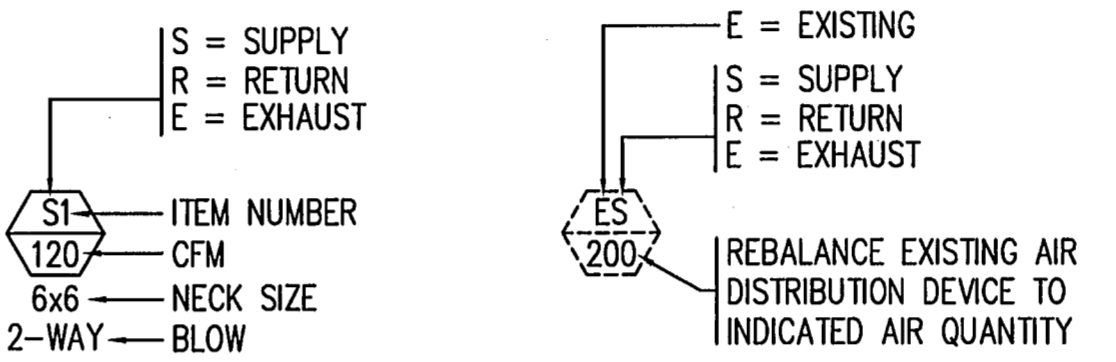
THE ABOVE VALUES ARE BASED ON CODE APPLICATION NOTICE 2-1925B.3.5 DATED AUGUST 26, 2002.

AIR DISTRIBUTION

UNIT TAG	DESCRIPTION	PANEL SIZE
S1	PERFORATED FACE LAY-IN MOUNTING	24x24
E1	PERFORATED FACE LAY-IN MOUNTING	24x24
S2	PERFORATED FACE SURFACE MOUNTING	-
E2	PERFORATED FACE SURFACE MOUNTING	-

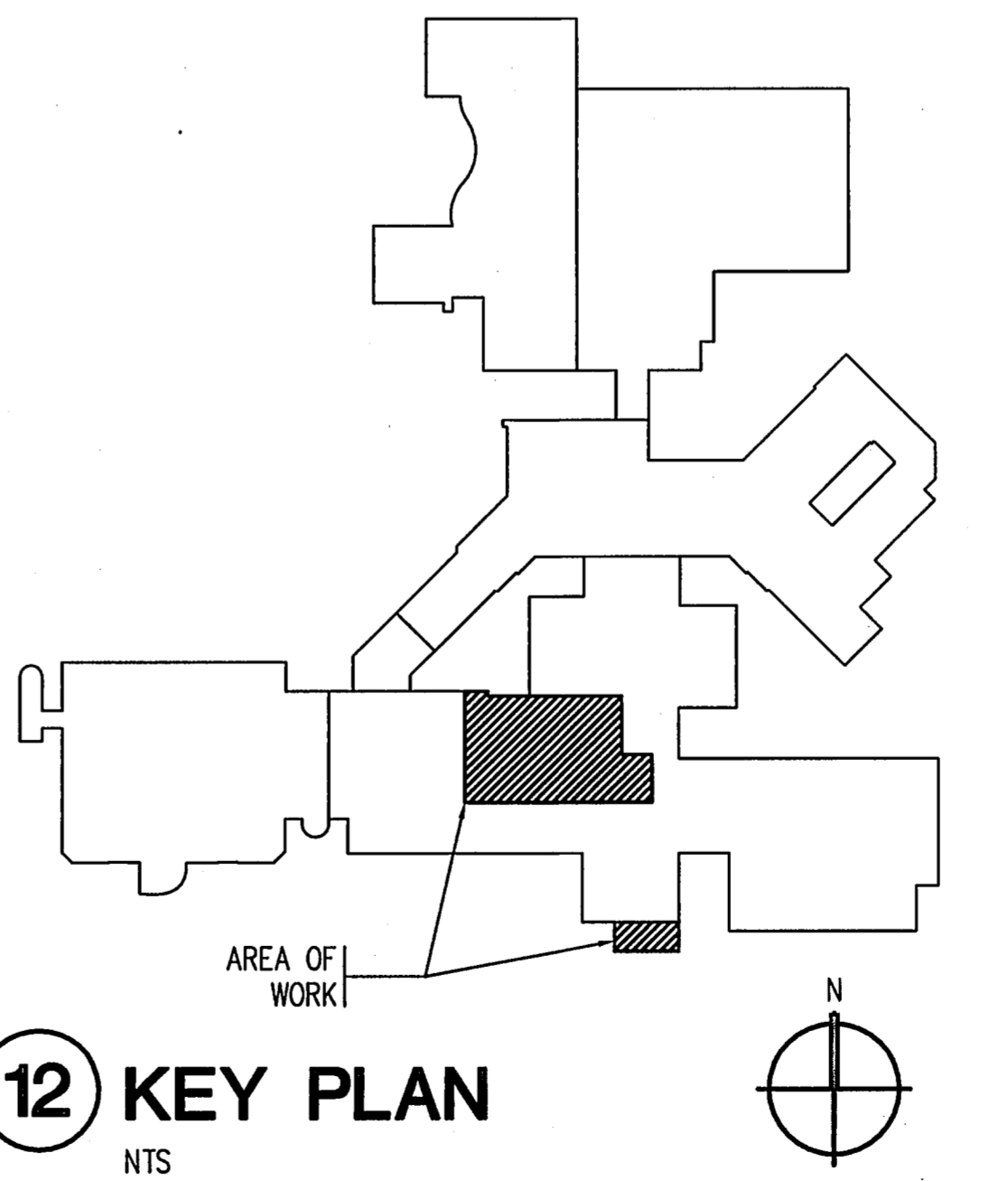
GENERAL NOTATION

- INDICATES RECTANGULAR SUPPLY AIR DIFFUSER (4-WAY BLOW UNLESS OTHERWISE NOTED).
- INDICATES RECTANGULAR RETURN AIR REGISTER.
- INDICATES RECTANGULAR EXHAUST AIR REGISTER.
- INDICATES EXISTING RECTANGULAR SUPPLY AIR DIFFUSER.
- INDICATES EXISTING RECTANGULAR RETURN AIR REGISTER OR GRILLE.
- INDICATES EXISTING RECTANGULAR EXHAUST AIR REGISTER OR GRILLE.
- FOR DUCT CONNECTION TO AIR DISTRIBUTION SEE (7 M4.1) AND (15 M4.1)



GENERAL NOTES

- THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO RECONSTRUCT THE HOSPITAL BUILDING IN ACCORDANCE WITH THE CALIFORNIA BUILDING STANDARDS CODE, TITLES 19 AND 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE APPROVED CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY OSHPD BEFORE PROCEEDING WITH THE WORK.
- ROOM PRESSURE RELATIONSHIPS AND VENTILATION SYSTEM PERFORMANCE SHALL COMPLY WITH THE 2007 EDITION OF TITLE 24, CALIFORNIA CODE OF REGULATIONS, PART 4, TABLE 4-A FOR LISTED AREAS.
- FIRESTOP ALL PENETRATIONS THROUGH RATED WALLS AND FLOORS BY PIPES, CONDUITS, DUCTS, ETC. WITH STATE FIRE MARSHAL APPROVED FIRESTOP MATERIAL FOR THE PARTICULAR ASSEMBLY. INSTALL FIRESTOP MATERIAL IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
- THIS PROJECT HAS BEEN DESIGNED IN ACCORDANCE WITH NARRATIVE 7 OF THE MECHANICAL, PLUMBING, AND MEDICAL GAS AND VACUUM SYSTEMS REMODEL FLOW CHART IN CAN 2-3403A.



LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
—CHWS—	CHWS	CHILLED WATER SUPPLY
—CHWR—	CHWR	CHILLED WATER RETURN
—LPS—	LPS	LOW PRESSURE STEAM
—LPC—	LPC	LOW PRESSURE CONDENSATE
— — — —	CW	COLD WATER (POTABLE)
— — — —	HW	HOT WATER (POTABLE)
— — — —	HWR	HOT WATER RETURN (POTABLE)
— — — —	S OR W	SANITARY SOIL/WASTE ABOVE FLOOR/GRADE
— — — —	S OR W	SANITARY SOIL/WASTE BELOW FLOOR/GRADE
— — — —	V	VENT (PLUMBING)
—D—	D	INDIRECT DRAIN
—F—	F	FIRE SPRINKLER WATER
—OX—	OX	OXYGEN
—VAC—	VAC	VACUUM
—SD—	SD	STORM WATER DRAIN
— — — —		EXISTING PIPING TO BE REMOVED
—GV—	GV	GATE VALVE
—BV—	BV	BALL VALVE
—FV—	FV	FLEXIBLE PIPE CONNECTOR
—CBV—	CBV	CALIBRATED BALANCE VALVE
— — — —		PIPE TURNS DOWN
— — — —		PIPE TURNS UP
— — — —		PIPE TEE DOWN
— — — —	VOR	VALVE ON RISE
— — — —		DIRECTION OF FLOW
—FCO/GCO—	FCO/GCO	FLOOR CLEANOUT/GRADE CLEANOUT
— — — —	WCO	WALL CLEANOUT
— — — —		FIRE SPRINKLER - PENDENT
— — — —	SA	SUPPLY AIR DUCT SECTION
— — — —	RA	RETURN AIR DUCT SECTION
— — — —	EA	EXHAUST AIR DUCT SECTION
— — — —		FLEXIBLE DUCT
— — — —		TURNING VANES
— — — —	FLFD	FUSIBLE LINK FIRE DAMPER
— — — —	MVD	MANUAL VOLUME DAMPER
— — — —		DUCT MOUNTED SMOKE DETECTOR
— — — —	RHC-1	ROOM THERMOSTAT/SENSOR (NO.) AT +48"
— — — —	H-1	ROOM HUMIDISTAT/SENSOR (NO.) AT +48"
— — — —	RHC-1	EXISTING ROOM T'STAT/SENSOR (ZONE NO.)
— — — —		EXISTING DUCTWORK
— — — —		EXISTING DUCTWORK TO BE REMOVED
— — — —		PIPE OR DUCT CAP
— — — —	POC	POINT OF CONNECTION
— — — —		NUMBERED NOTES
— — — —		EXISTING FIXTURE/EQUIPMENT TAG
— — — —	VTR	VENT THROUGH ROOF
— — — —	DTR	DUCT THROUGH ROOF
— — — —	TYP. OR (TYP)	TYPICAL
— — — —	E OR (E)	PREFIX INDICATING EXISTING

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ARCHITECT
LOMA LOMA
20801
12-24-11
STATE OF CALIFORNIA

LEGEND, SCHEDULES, NOTES
R&A No: 00043
Date: 06-01-10
Drawn: J.L.
Checked: J.L.
Consult: NG

COUNTY OF VENTURA
PUBLIC WORKS AGENCY
ENGINEERING SERVICES DEPARTMENT
PROJECT MANAGER
SHEET 16 OF 31
SPEC. NUMBER CP11-05
DRAWING NUMBER ENT11103
113564

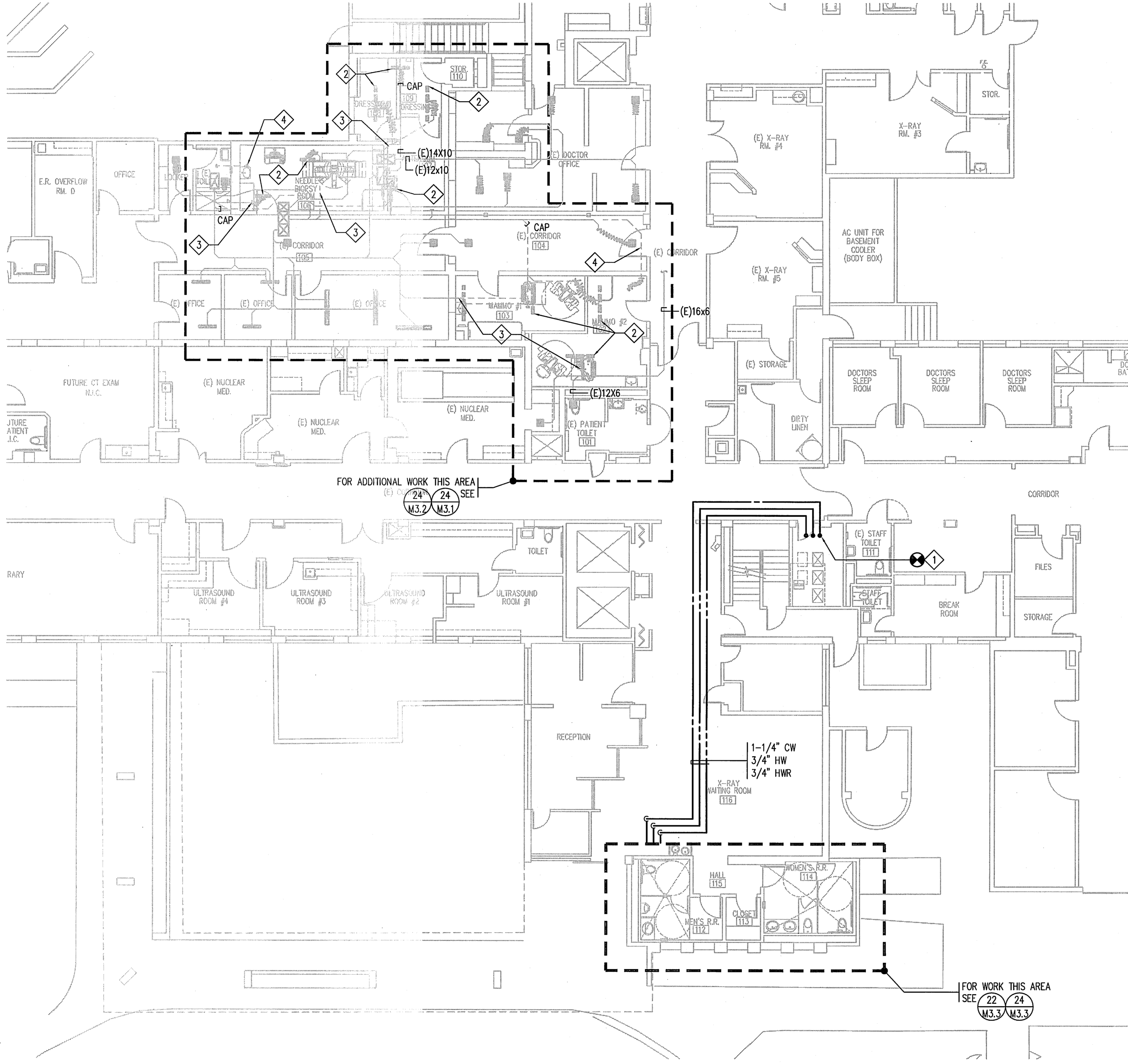
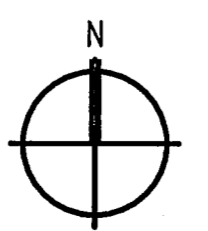
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MO.1

O.S.H.P.D. PROJECT # SL 101318-56
APPROVED
APR 05 2011
Office of Statewide Health
Planning & Development
FACILITIES DEVELOPMENT DIVISION

2012/01/10 10:00 AM
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24 PARTIAL FIRST FLOOR MECHANICAL PLAN
 SCALE 1/8" = 1'-0"



NUMBERED NOTES:

- 1 CONNECT TO EXISTING CW, HW, AND HWR RISERS IN MECHANICAL ROOM.
- 2 REMOVE AIR DISTRIBUTION DEVICE AND BRANCH DUCTWORK. CAP WHERE INDICATED.
- 3 POINT OF CONNECTION FOR THIS WORK.
- 4 REMOVE ABANDONED DUCTWORK.

O.S.H.P.D. PROJECT # SL 101318-56

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

APR 05 2011

Office of Statewide Health Planning & Development
 FACILITIES DEVELOPMENT DIVISION

COUNTY OF VENTURA
 PUBLIC WORKS AGENCY
 ENGINEERING SERVICES DEPARTMENT

PROJECT MANAGER	
SPEC. NUMBER CP11-05	SHEET 17 OF 31
PROJECT NUMBER ENT11103	DRAWING NUMBER 113565

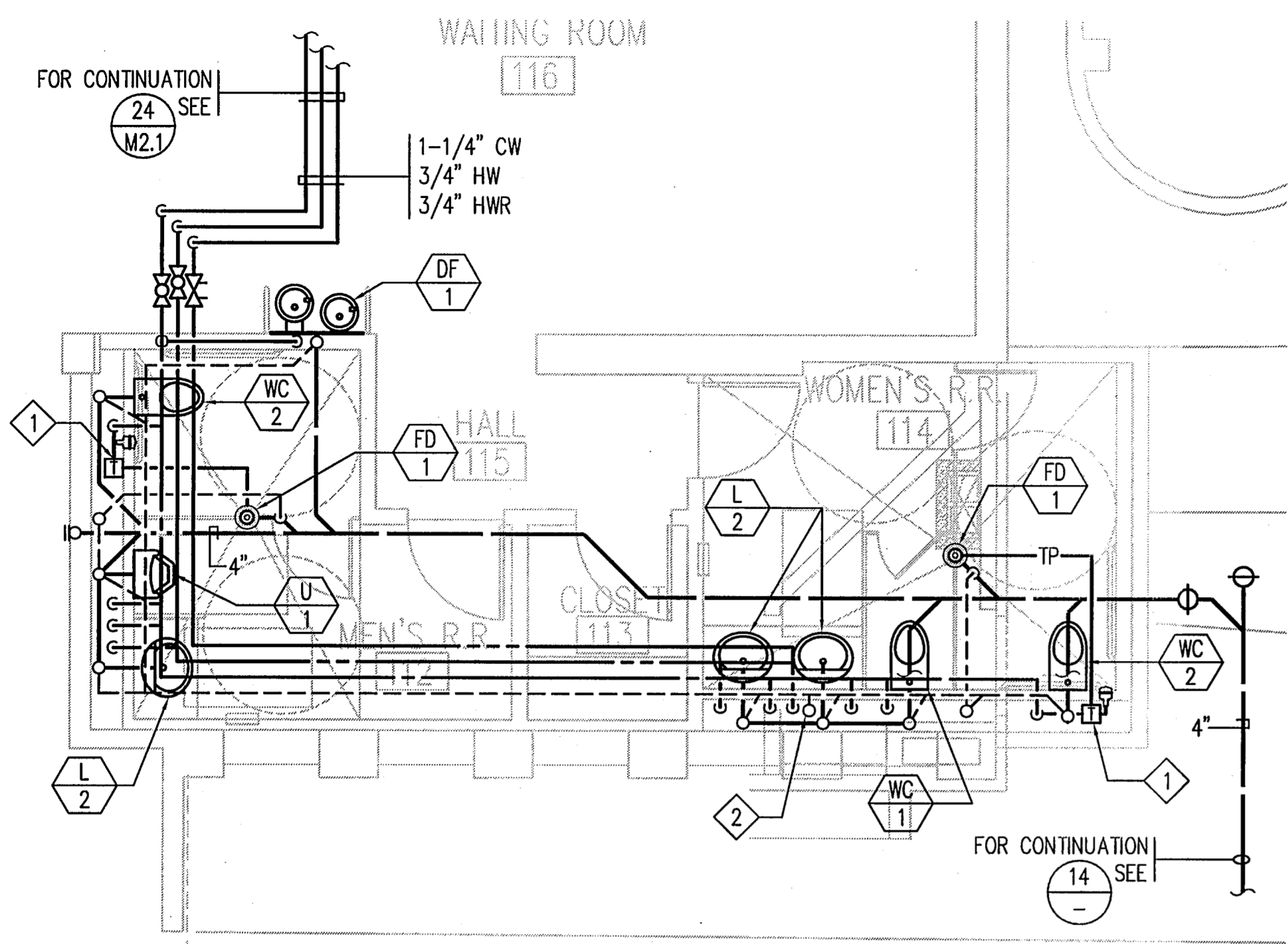
**MAMMOGRAPHY ROOMS
 & NEEDLE BIOPSY ROOM**
 VENTURA COUNTY MEDICAL CENTER
 3291 LOMA VISTA ROAD
 VENTURA, CALIFORNIA

Sheet No.
M2.1

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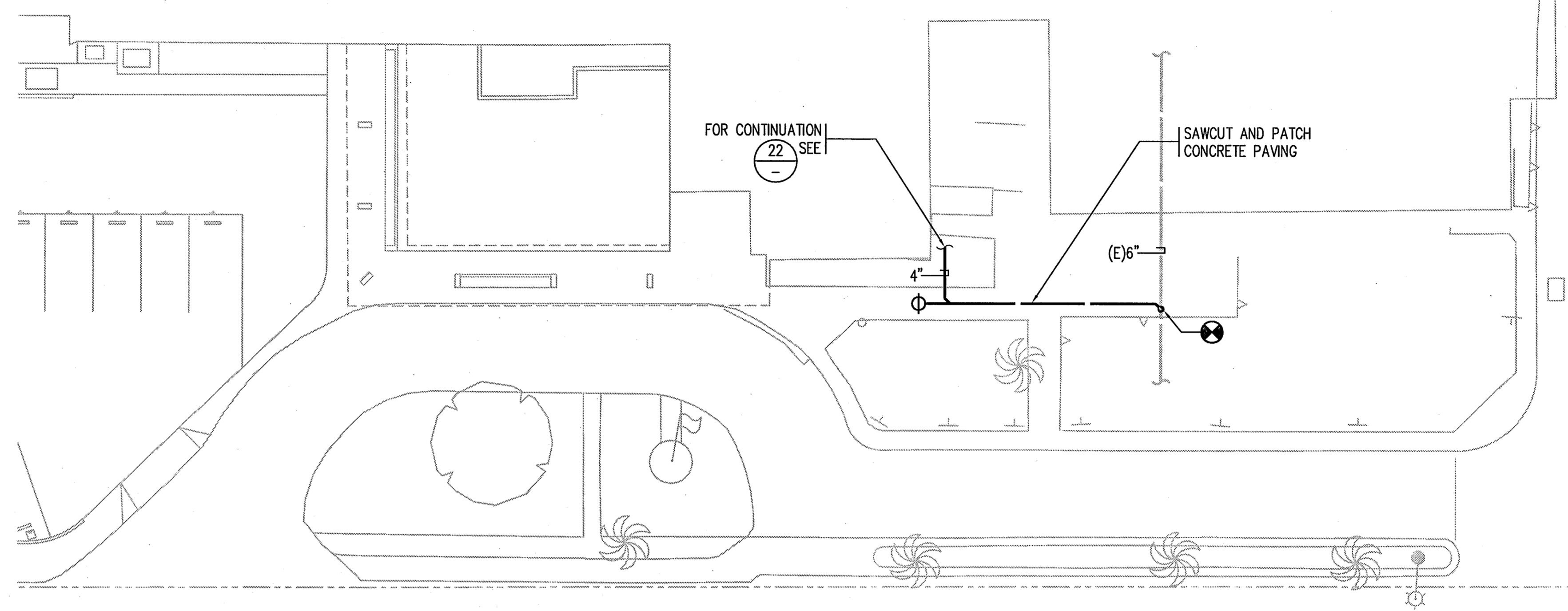
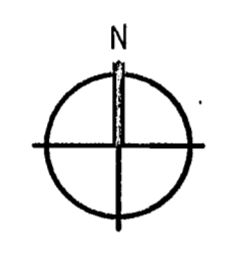
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 No. 23191
 09/12
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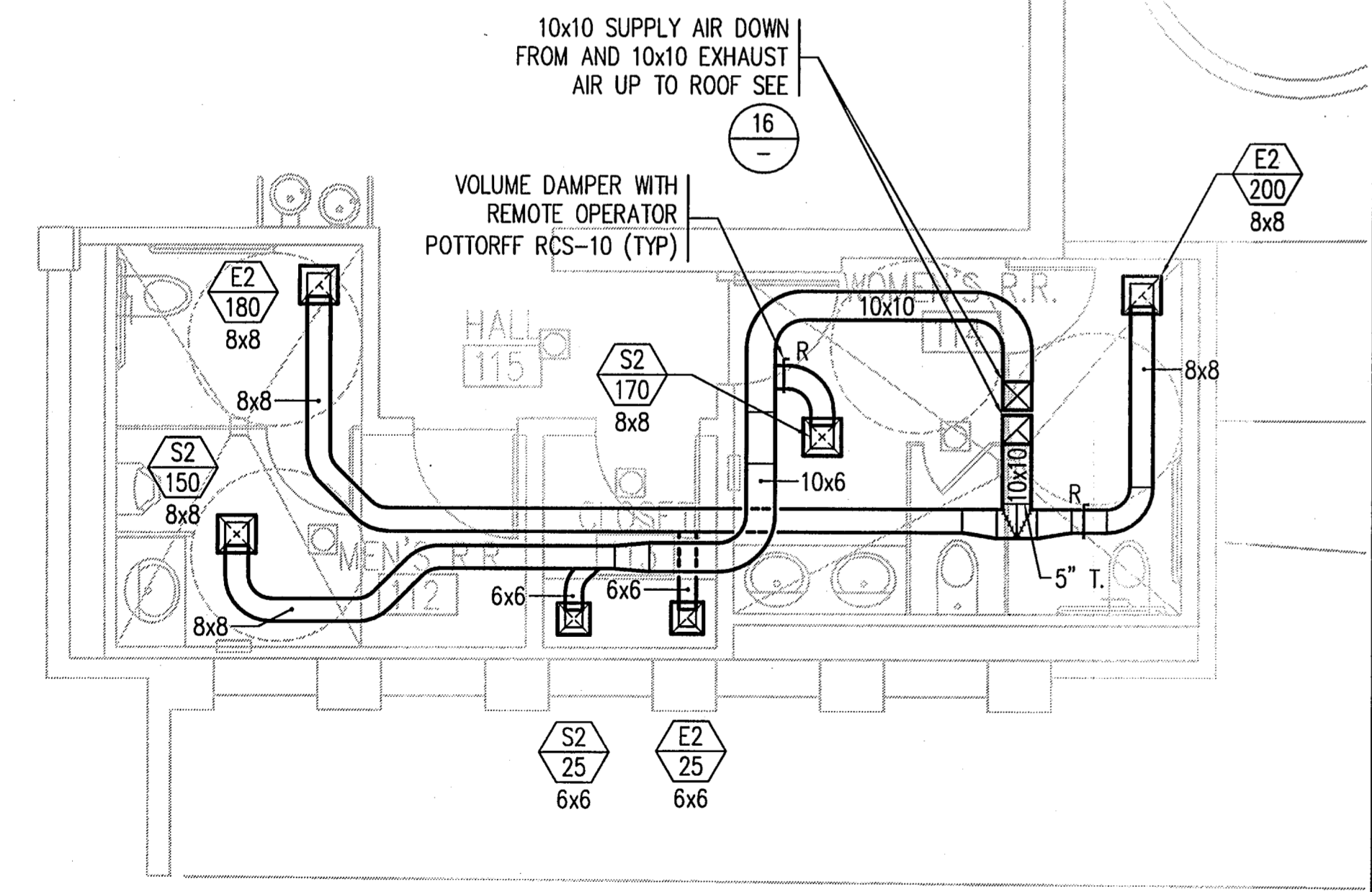
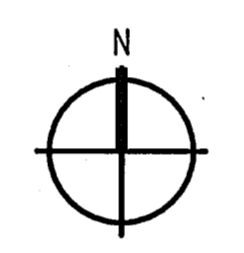


- NUMBERED NOTES:**
- 1 TRAP PRIMER AND WATER HAMMER ARRESTOR WITH ACCESS PANEL.
 - 2 1-1/2" VENT THRU ROOF, SEE DETAIL 16 THIS SHEET FOR CONTINUATION.

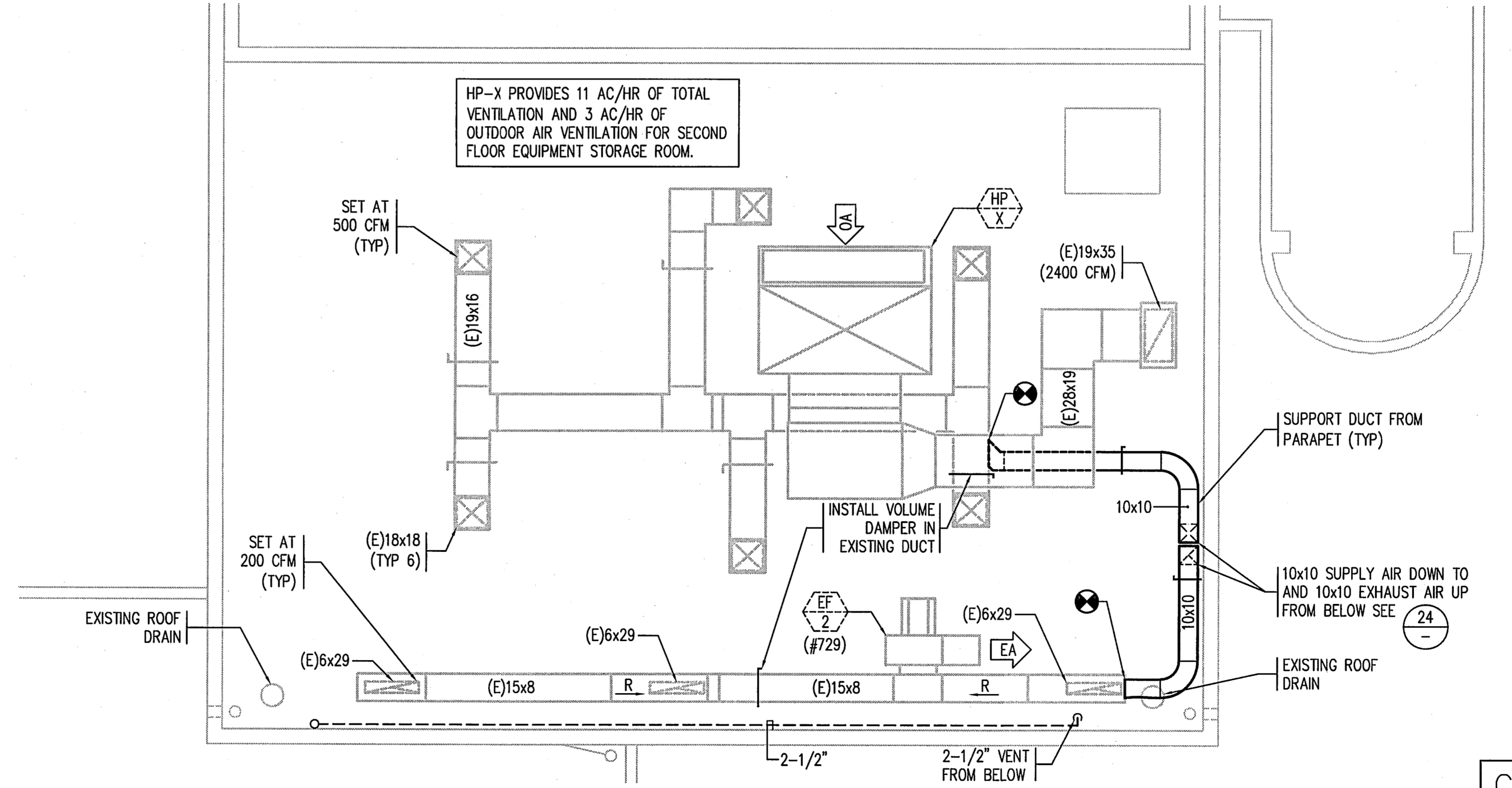
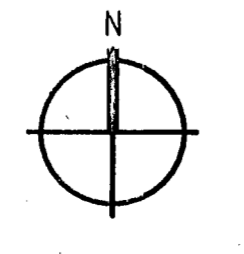
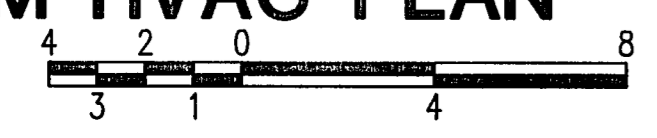
22 RESTROOM PLUMBING PLAN
 SCALE 1/4" = 1'-0"



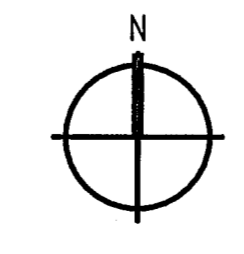
14 PARTIAL SITE PLUMBING PLAN
 SCALE 1/16" = 1'-0"



24 RESTROOM HVAC PLAN
 SCALE 1/4" = 1'-0"



16 PARTIAL ROOF PLAN
 SCALE 1/4" = 1'-0"



O.S.H.P.D. PROJECT # SLA 101318-56
 APPROVED
 APR 05 2011
 Office of Statewide Health Planning & Development FACILITIES DEVELOPMENT DIVISION

COUNTY OF VENTURA
 PUBLIC WORKS AGENCY
 ENGINEERING SERVICES DEPARTMENT

PROJECT MANAGER	
SPEC. NUMBER CP11-05	SHEET 20 OF 31
PROJECT NUMBER ENT11103	DRAWING NUMBER 113562

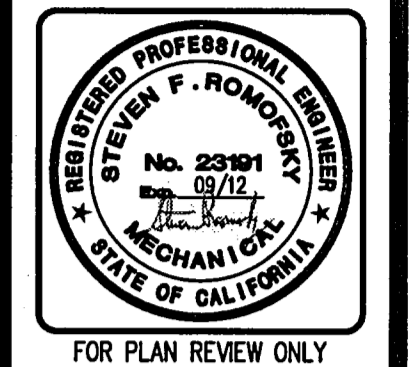
MAMMOGRAPHY ROOMS & NEEDLE BIOPSY ROOM
VENTURA COUNTY MEDICAL CENTER
 3291 LOMA VISTA ROAD
 VENTURA, CALIFORNIA

Sheet No.
M3.3

RESTROOM HVAC & PLUMBING PLANS, PARTIAL ROOF PLAN & PARTIAL SITE PLUMBING PLAN	
Revisions	REG. NO. 00043
12-28-10 USPD CORR.	DATE: 08-01-10
3-28-11 USPD CORR.	DRAWN: [Signature]
	CHECKED: [Signature]
	CONSULT. NO.

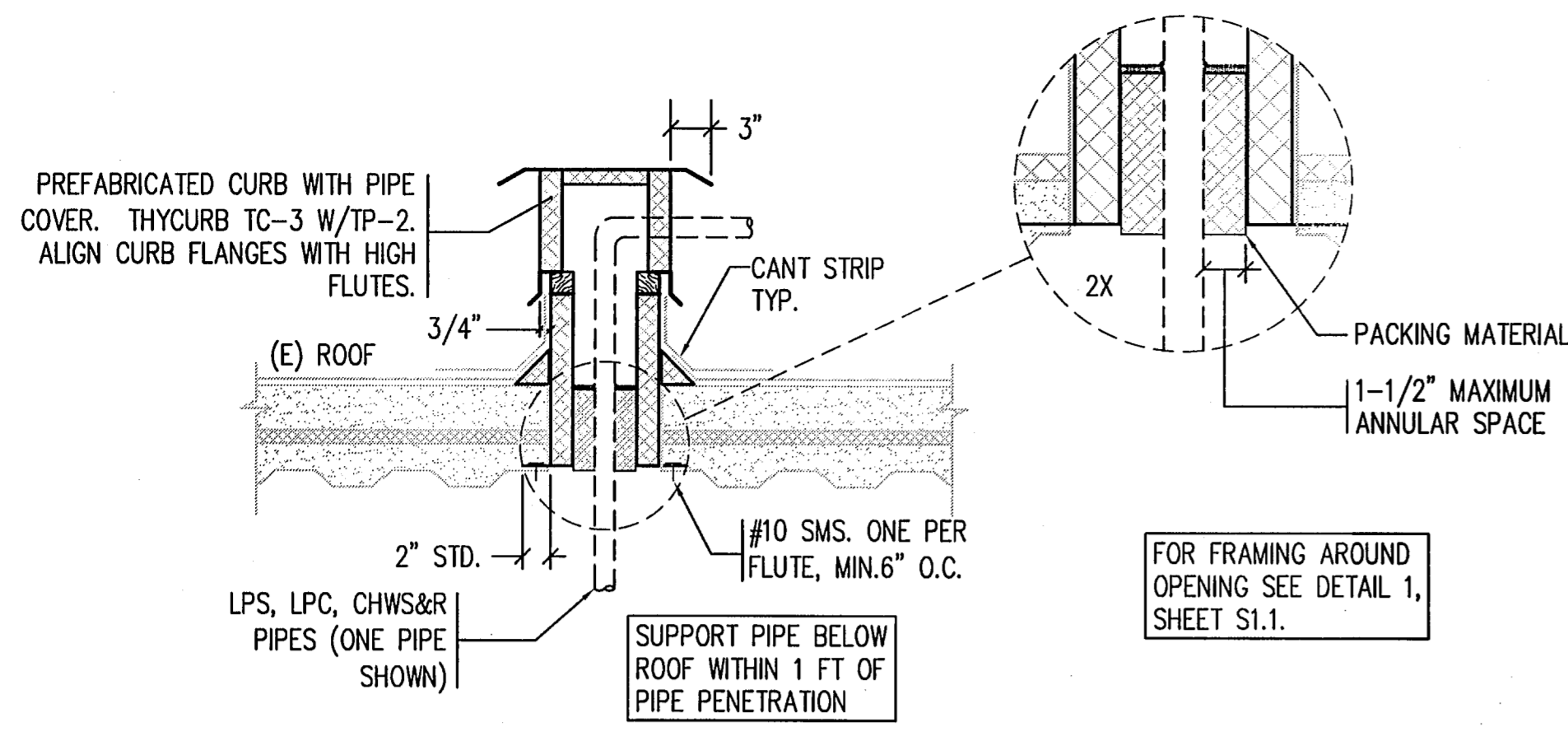


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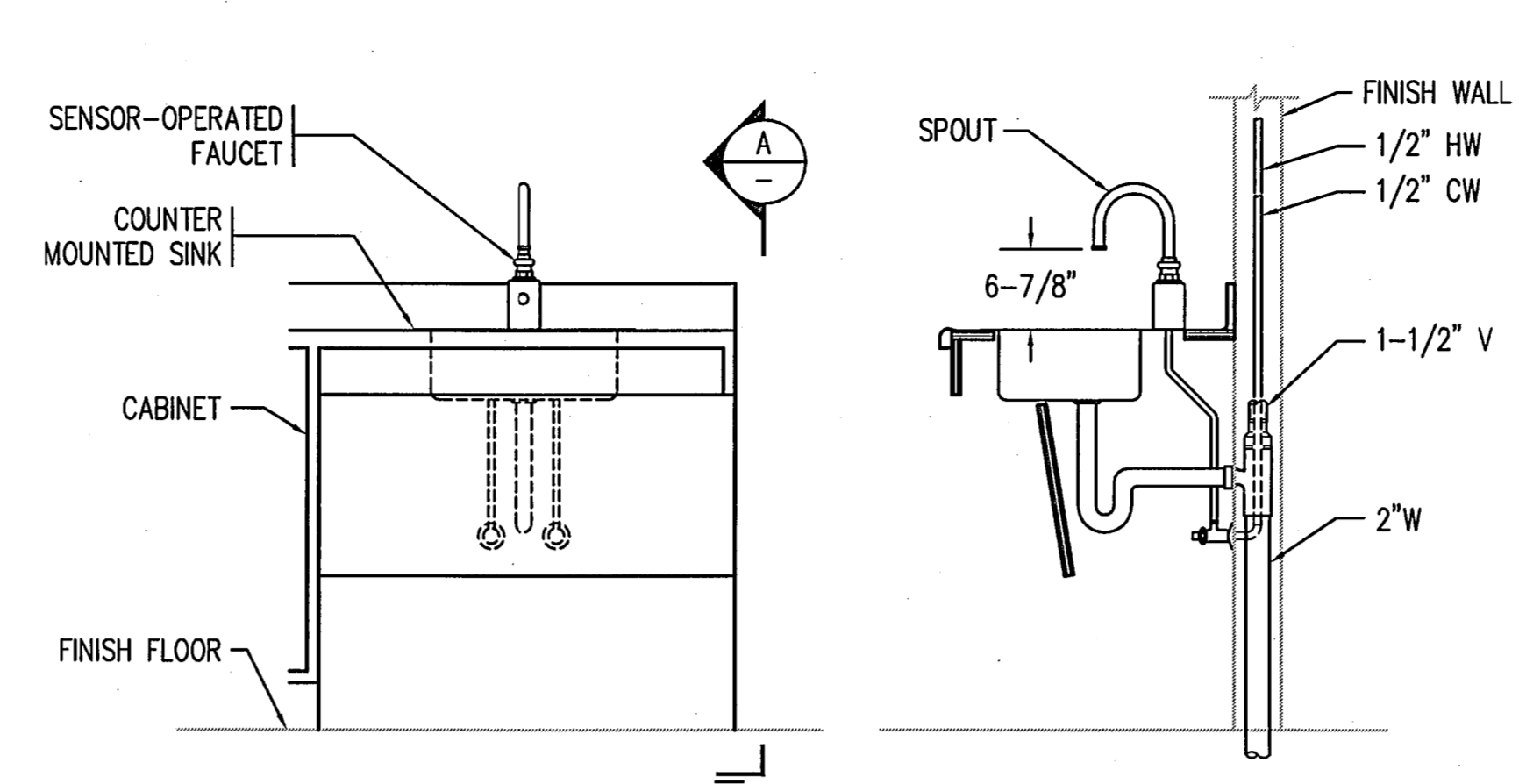


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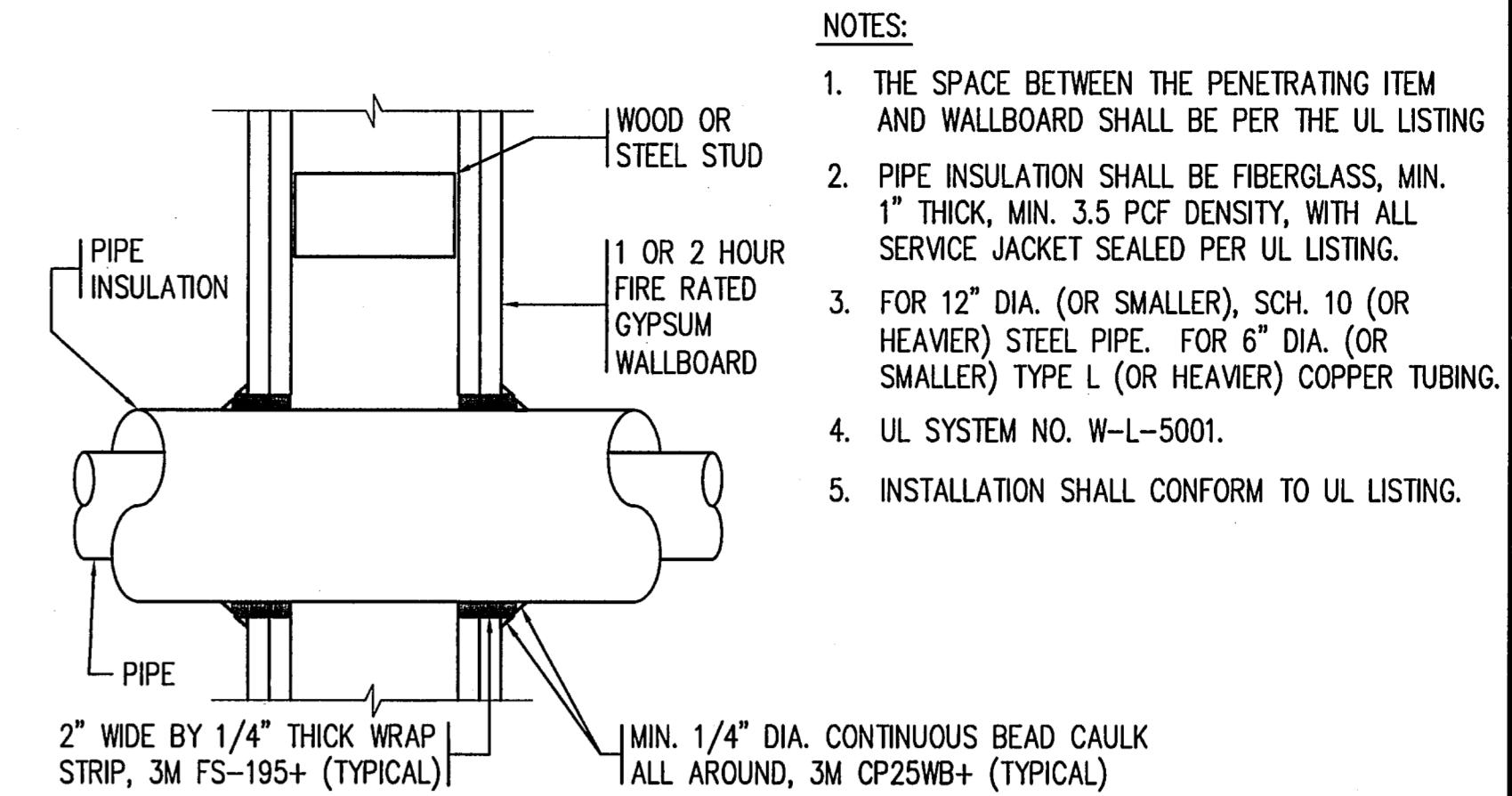
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21 INSULATED PIPE THRU ROOF
NTS

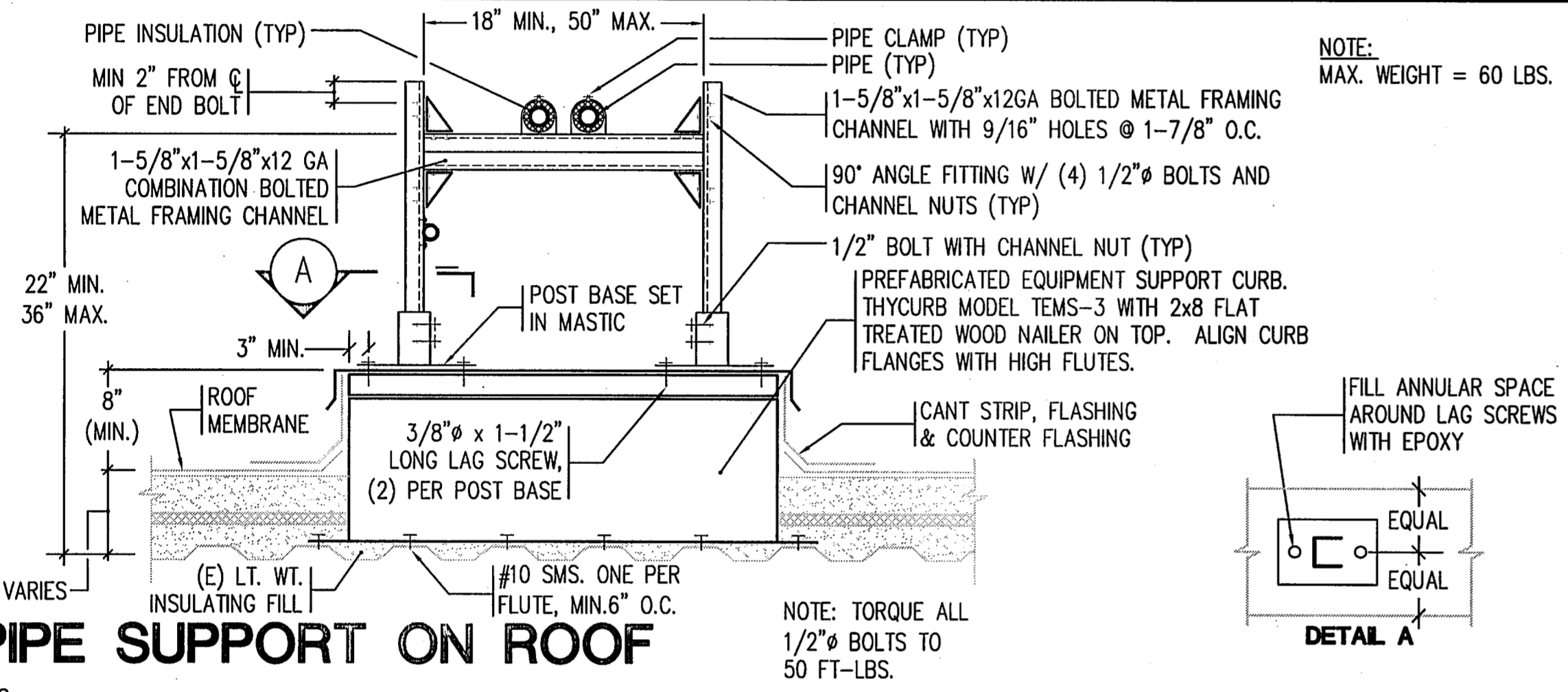


13 SINK - SENSOR-OPERATED FAUCET
NTS

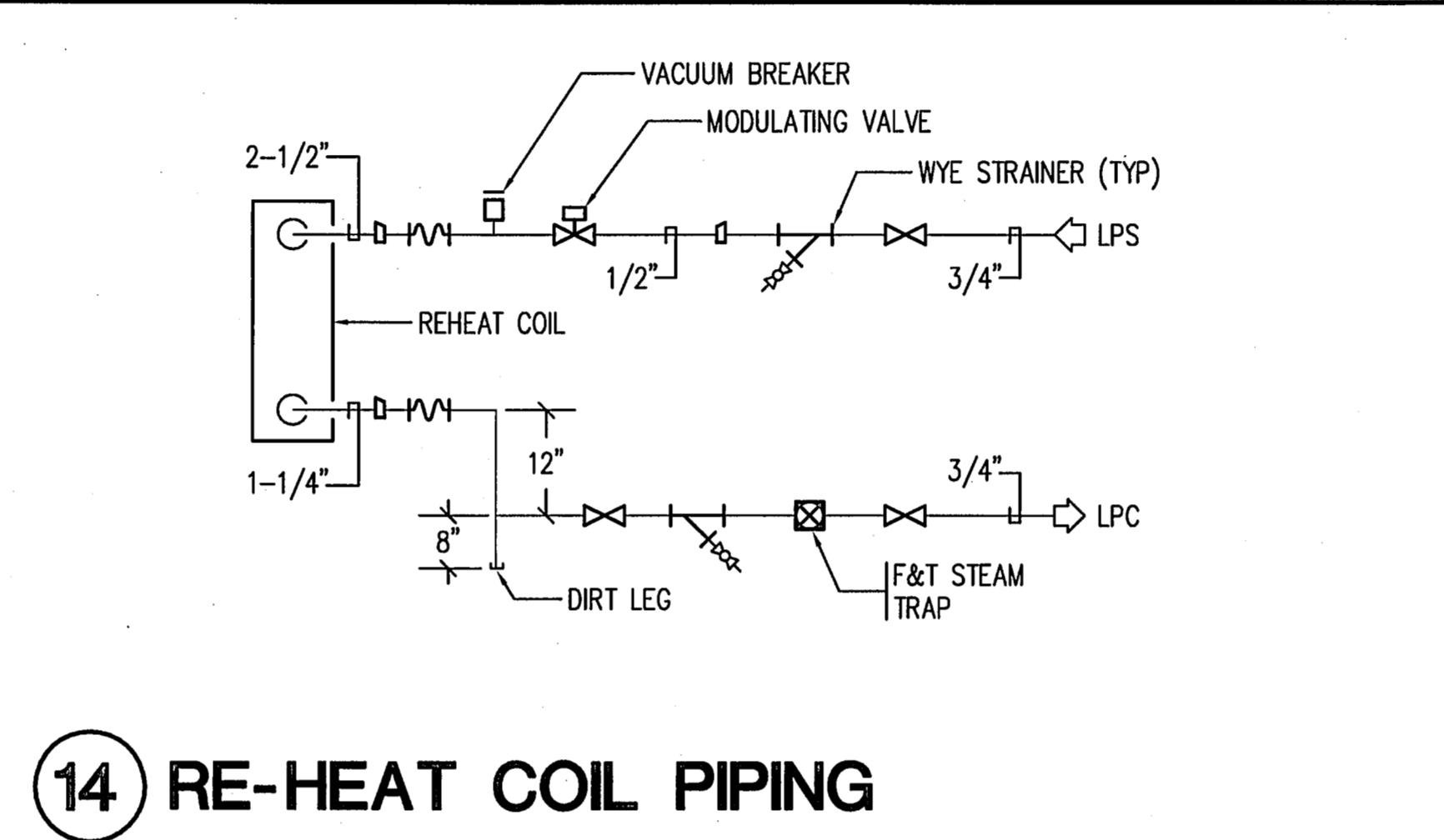


5 INSULATED PIPE THRU RATED WALL
NTS

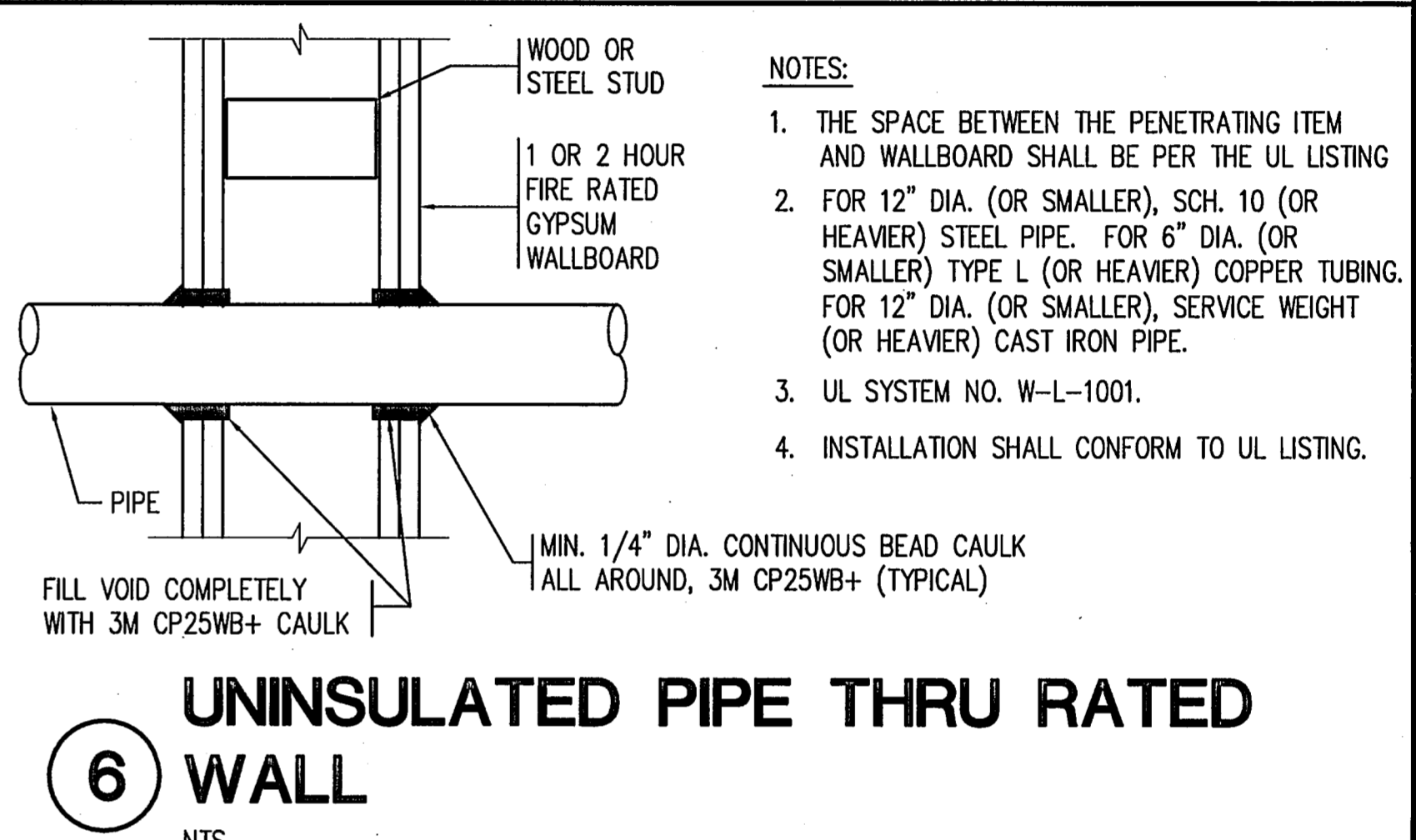
- NOTES:**
1. THE SPACE BETWEEN THE PENETRATING ITEM AND WALLBOARD SHALL BE PER THE UL LISTING
 2. PIPE INSULATION SHALL BE FIBERGLASS, MIN. 1" THICK, MIN. 3.5 PCF DENSITY, WITH ALL SERVICE JACKET SEALED PER UL LISTING.
 3. FOR 12" DIA. (OR SMALLER), SCH. 10 (OR HEAVIER) STEEL PIPE. FOR 6" DIA. (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.
 4. UL SYSTEM NO. W-L-5001.
 5. INSTALLATION SHALL CONFORM TO UL LISTING.



22 PIPE SUPPORT ON ROOF
NTS

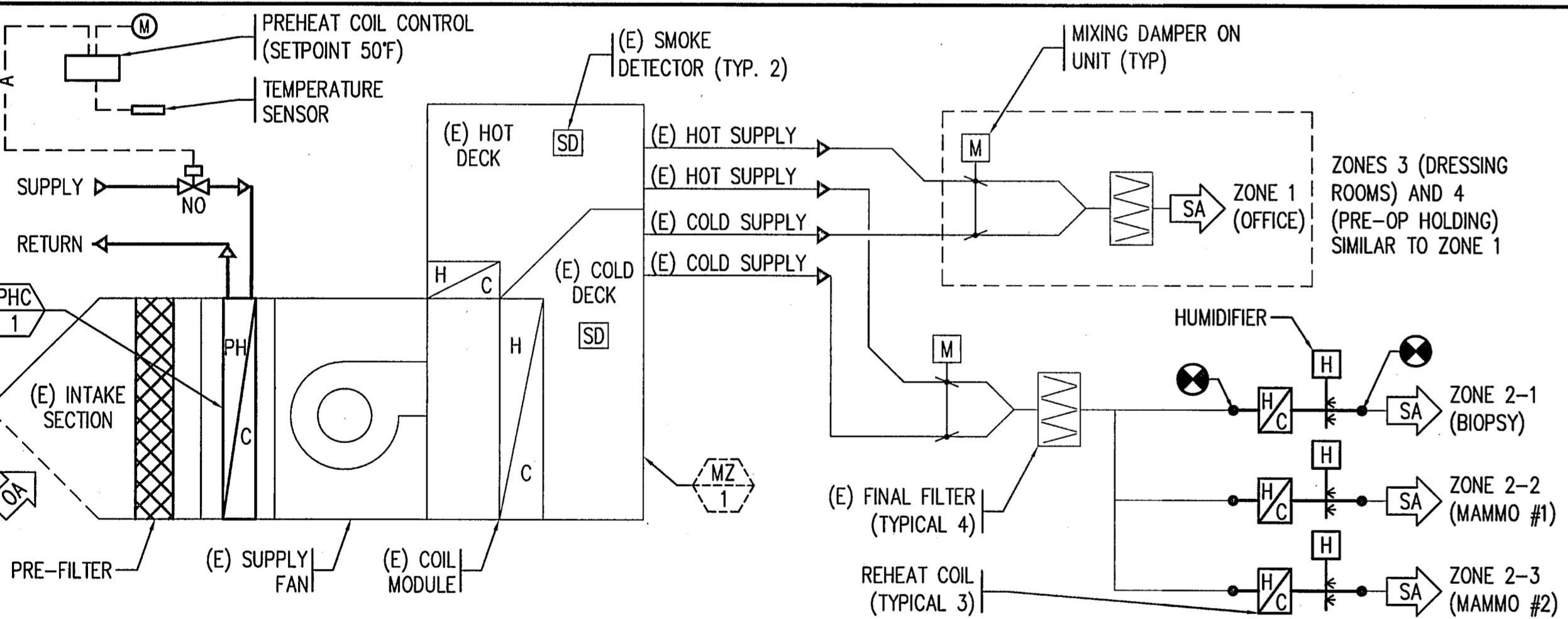


14 RE-HEAT COIL PIPING
NTS



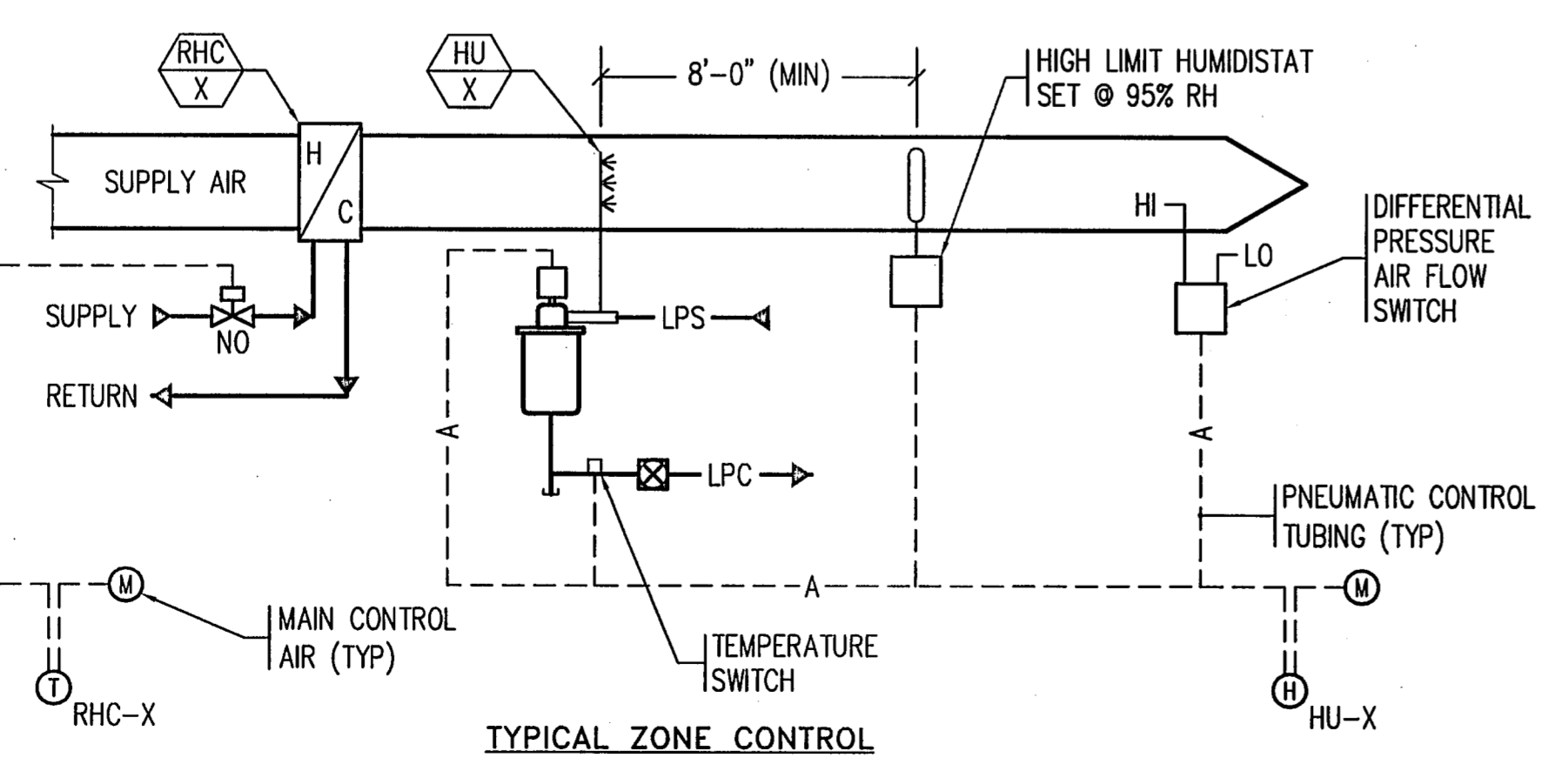
6 UNINSULATED PIPE THRU RATED WALL
NTS

- NOTES:**
1. THE SPACE BETWEEN THE PENETRATING ITEM AND WALLBOARD SHALL BE PER THE UL LISTING
 2. FOR 12" DIA. (OR SMALLER), SCH. 10 (OR HEAVIER) STEEL PIPE. FOR 6" DIA. (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING. FOR 12" DIA. (OR SMALLER), SERVICE WEIGHT (OR HEAVIER) CAST IRON PIPE.
 3. UL SYSTEM NO. W-L-1001.
 4. INSTALLATION SHALL CONFORM TO UL LISTING.



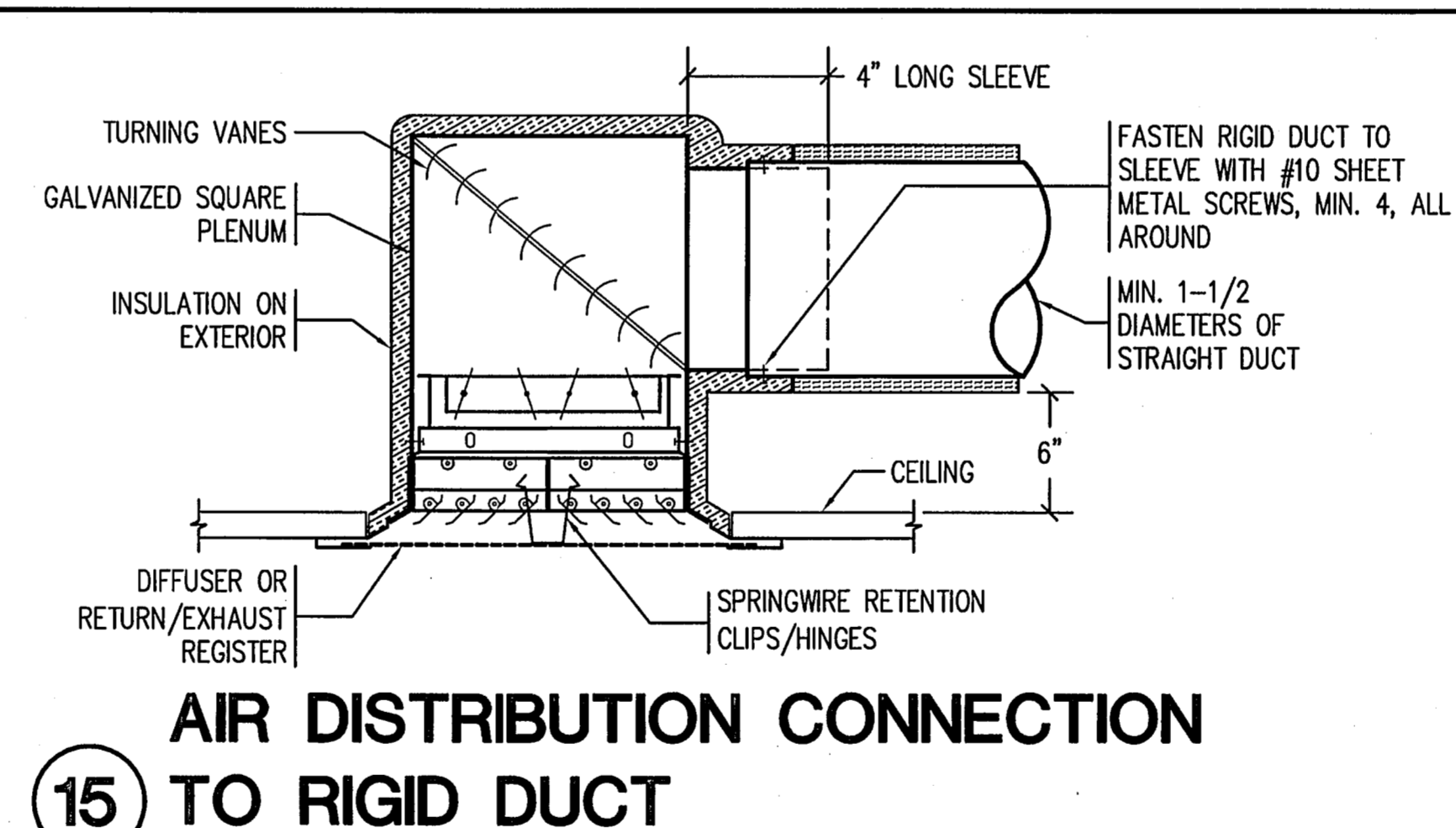
SEQUENCE OF OPERATION:

1. THE THERMOSTAT MODULATES THE REHEAT COIL CONTROL VALVE TO MAINTAIN ROOM TEMPERATURE SETPOINT. A HIGH-LOW SELECTOR MODULATES THE MIXING DAMPER FOR ZONE 2 TO MINIMIZE REHEAT FOR ZONES 2-1, 2-2, AND 2-3.
2. THE HUMIDISTAT MODULATES THE HUMIDIFIER CONTROL VALVE TO MAINTAIN ROOM HUMIDITY SETPOINT. THE AIR FLOW SWITCH PREVENTS HUMIDIFIER OPERATION WHEN AIR IS NOT FLOWING. THE HIGH LIMIT HUMIDISTAT PREVENTS HUMIDIFIER OPERATION WHEN DUCT HUMIDITY EXCEEDS SETPOINT. THE TEMPERATURE SWITCH PREVENTS HUMIDIFIER OPERATION WHEN CONDENSATE IS PRESENT IN THE HUMIDIFIER DISCHARGE PIPE.
3. THE PREHEAT COIL CONTROL MODULATES THE PREHEAT COIL CONTROL VALVE TO MAINTAIN SETPOINT.
4. ZONE THERMOSTATS CONTROL THE MIXING DAMPERS FOR ZONES 1, 3, AND 4.

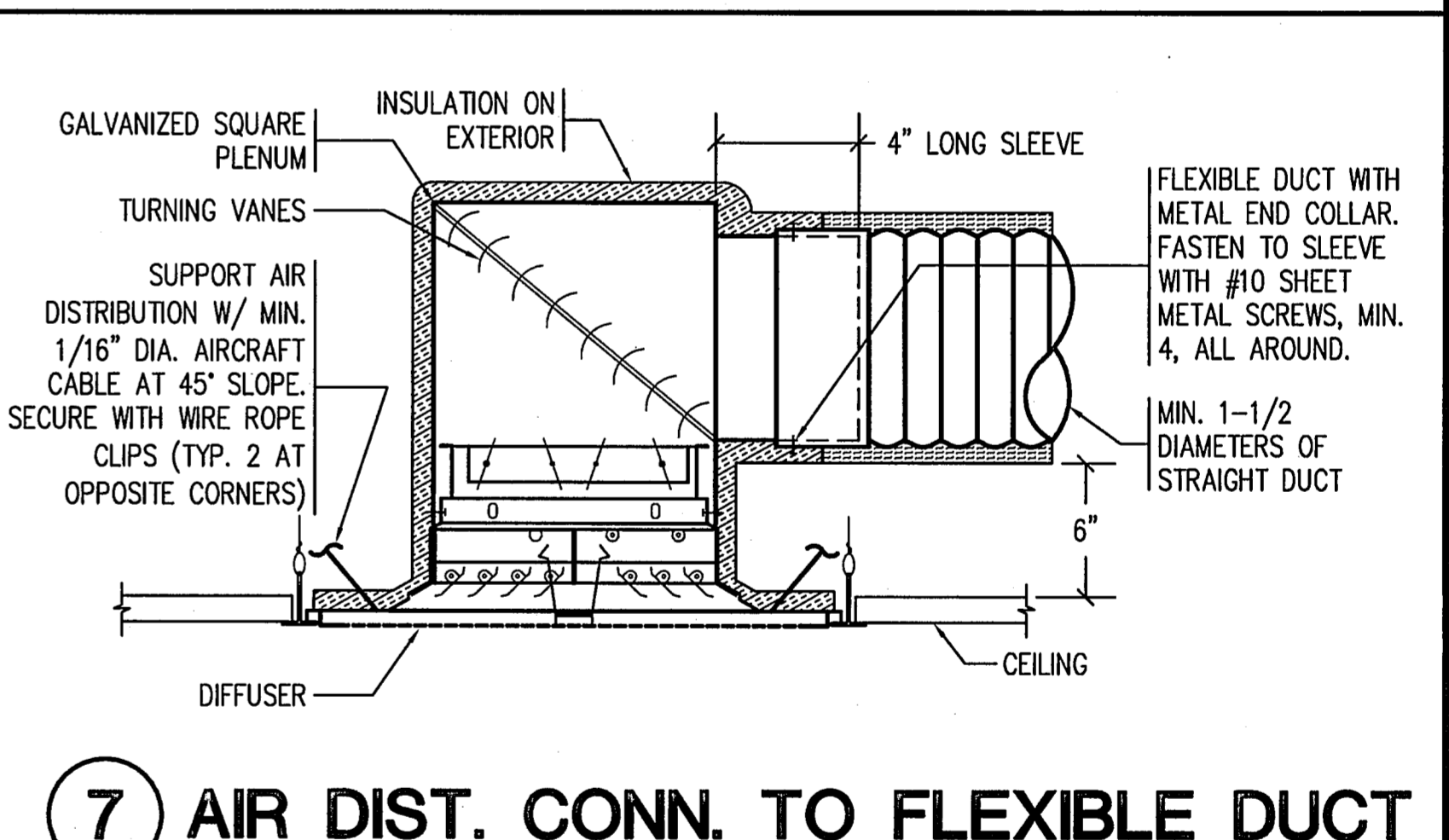


MECHANICAL CONTROL SYSTEM SETPOINTS	
ROOM TEMPERATURE	74°F
ROOM HUMIDITY	40% RH

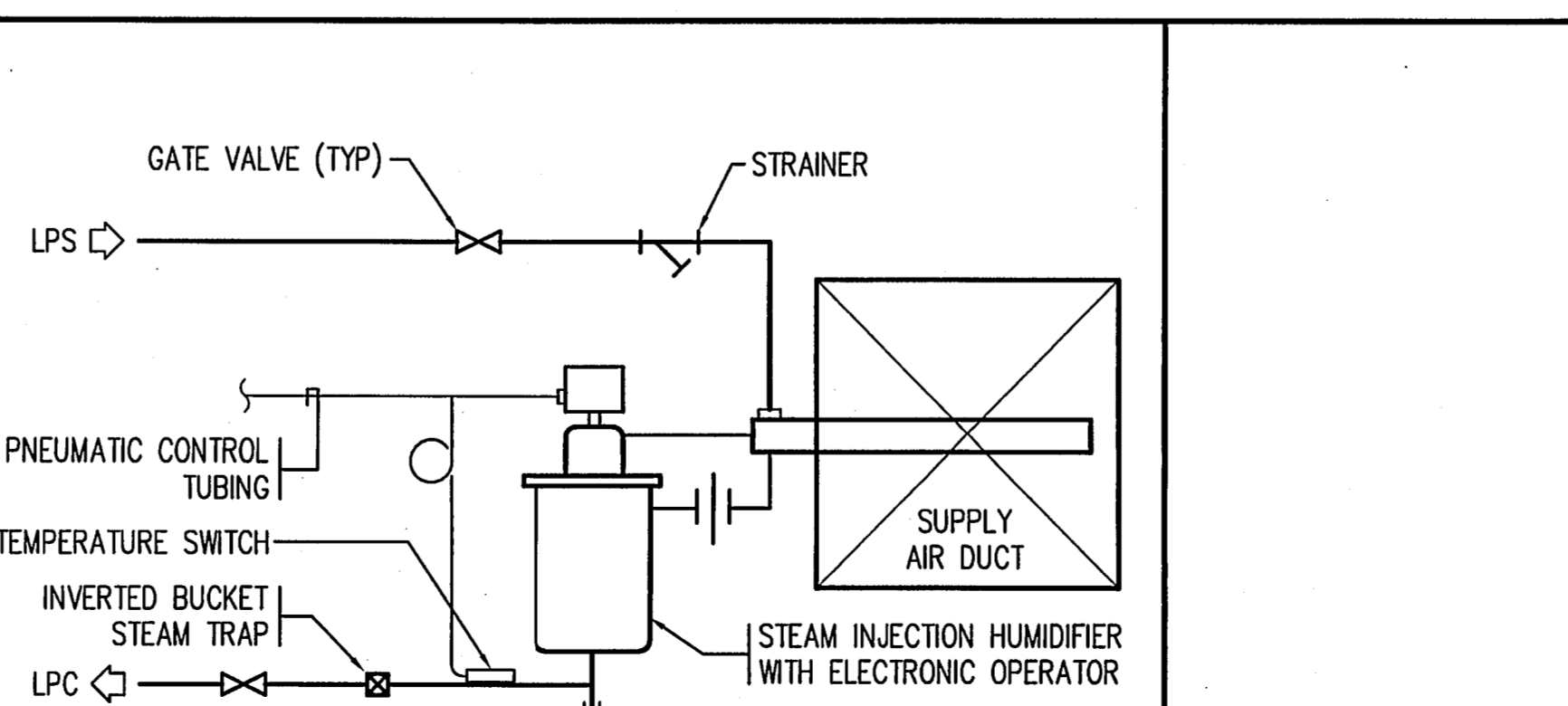
24 HVAC SCHEMATIC
NTS



15 AIR DISTRIBUTION CONNECTION TO RIGID DUCT
NTS



7 AIR DIST. CONN. TO FLEXIBLE DUCT
NTS



16 HUMIDIFIER PIPING
NTS

O.S.H.P.D. PROJECT # SL 101318-56
 REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
 APPROVED
 APR 05 2011
 Office of Statewide Health Planning & Development
 FACILITIES DEVELOPMENT DIVISION

COUNTY OF VENTURA
 PUBLIC WORKS AGENCY
 ENGINEERING SERVICES DEPARTMENT

PROJECT MANAGER	
SPEC. NUMBER CP11-05	SHEET OF 22 31
PROJECT NUMBER ENT11103	DRAWING NUMBER 113570

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CATY ARCHITECT
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Sheet Title	HVAC SCHEMATIC, DETAILS
Revisions	R&A No: 00043
12-29-10 USHPD CORR.	Date: 06-01-10
3-30-11 USHPD CORR.	Drawn: [Signature]
	Checked: [Signature]
	Consult: [Signature]

MAMMOGRAPHY ROOMS
 & NEEDLE BIOPSY ROOM
 VENTURA COUNTY MEDICAL CENTER
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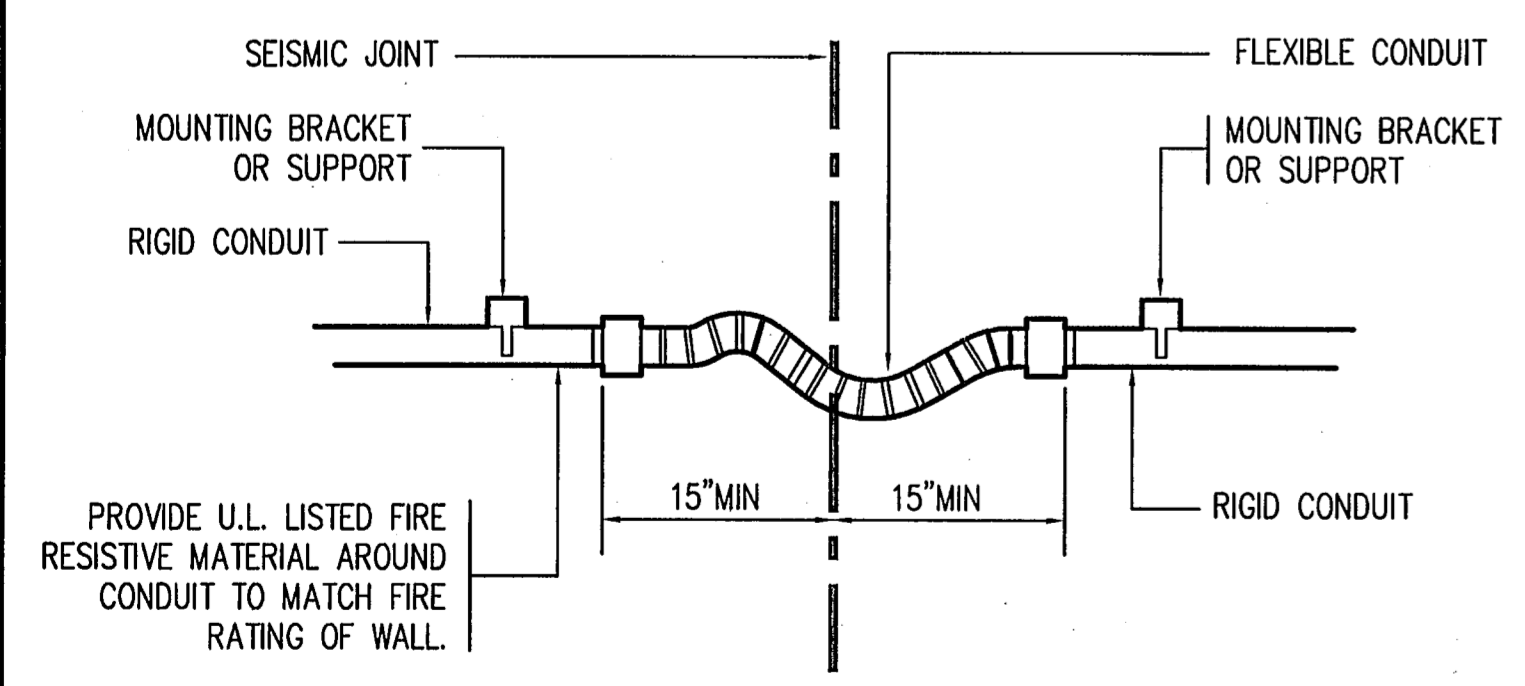
Sheet No.
M4.1

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TYPE	MANUFACTURER	CATALOG NUMBER ①②③④	DESCRIPTION ①③④⑤	LAMP ⑥		INPUT WATTS (VA)	MOUNTING (WEIGHT - LBS.)
				TYPE	QUAN/ WATTS		
A	H.E. WILLIAMS LITHONIA OR EQUAL	50G-S24-232-RA12125-DIMMING-UNV 2SPB-G-232-RWA12125-MVOLT-DIMMING BALLAST	2' X 4' 2-LAMP, TYPE G, FLUORESCENT LUMINAIRE WITH STEEL HOUSING, WHITE BAKED ENAMEL FINISH, ACRYLIC LENS, REGRESSED MITERED WHITE ALUMINUM DOOR FRAME INCLUDING SPRING-LOADED STEEL LATCHES, (1) 2-LAMP ELECTRONIC DIMMING BALLAST. BALLAST SHALL BE LUTRON HI-LUME 3D UNIVERSAL VOLTAGE #H3D T832 C UNV 2 10, OR EQUAL, NO KNOWN EQUAL.	F32T8 SPX35	2/32	67	RECESSED (22 LBS)
A1	H.E. WILLIAMS LITHONIA OR EQUAL	50G-S24-432-RA12125-DIMMING-UNV 2SPB-G-432-RWA12125-MVOLT-DIMMING BALLAST	2' X 4' 4-LAMP, TYPE G, FLUORESCENT LUMINAIRE WITH STEEL HOUSING, WHITE BAKED ENAMEL FINISH, ACRYLIC LENS, REGRESSED MITERED WHITE ALUMINUM DOOR FRAME INCLUDING SPRING-LOADED STEEL LATCHES, (2) 2-LAMP ELECTRONIC DIMMING BALLASTS. BALLAST SHALL BE LUTRON HI-LUME 3D UNIVERSAL VOLTAGE #H3D T832 C UNV 2 10, OR EQUAL.	F32T8 SPX35	4/32	134	RECESSED (22 LBS)
A2	H.E. WILLIAMS LITHONIA OR EQUAL	50G-S24-232-RA12125-EB2-UNV 2SPB-G-232-RWA12125-MVOLT-GEB10IS	2' X 4' 2-LAMP, TYPE G, FLUORESCENT LUMINAIRE WITH STEEL HOUSING, WHITE BAKED ENAMEL FINISH, ACRYLIC LENS, REGRESSED MITERED WHITE ALUMINUM DOOR FRAME INCLUDING SPRING-LOADED STEEL LATCHES, (1) 2-LAMP ELECTRONIC BALLAST. ELECTRONIC BALLAST SHALL BE ADVANCE IOP-2P32-SC, UNIVERSAL B232IUNVHP-B, OR EQUAL.	F32T8 SPX35	2/32	60	RECESSED (22 LBS)
B	H.E. WILLIAMS LITHONIA OR EQUAL	PHSQ12-226Q-EB LAF-2/26DTT-12FW-T73-MVOLT-BDP	12" SQUARE DOWN LIGHT, RECESSED MOUNTED, FLUSH WHITE DOOR, TEMPERED PRISMATIC LENS, AND ELECTRONIC BALLAST. ELECTRONIC BALLAST SHALL BE ADVANCE ICF-2S42-M2, UNIVERSAL C242UNV, OR EQUAL.	26DTT SPX35	2/26	55	RECESSED
B1	H.E. WILLIAMS LITHONIA OR EQUAL	PHSQ12-232T-EB LAF-2/32TRT-12FW-T73-MVOLT-BDP	12" SQUARE DOWN LIGHT, FLUSH WHITE DOOR, TEMPERED PRISMATIC LENS, AND ELECTRONIC BALLAST. ELECTRONIC BALLAST SHALL BE ADVANCE ICF-2S42M2, UNIVERSAL C242UNV, OR EQUAL.	32TRT SPX35	2/32	72	RECESSED
C	H.E. WILLIAMS LITHONIA OR EQUAL	76-4-232-WG11-EB2-277 C232 MV	GENERAL PURPOSE STRIP LIGHT, 48" LENGTH, SURFACE MOUNTED, (1) 2-LAMP ELECTRONIC BALLAST. ELECTRONIC BALLAST SHALL BE ADVANCE IOP-2P32-SC, UNIVERSAL B232IUNVHP-B, OR EQUAL. LUMINAIRE SHALL BE LOCATED IN ARCHITECTURAL LIGHT COVE. COORDINATE LOCATION WITH TOILET ROOM LIGHT COVE DETAIL ON ARCHITECTURAL SHEETS.	F32T8 SPX35	2/32	60	SURFACE
C1	H.E. WILLIAMS LITHONIA OR EQUAL	76-3-225-WG11-EB2-277 C225 MV	GENERAL PURPOSE STRIP LIGHT, 36" LENGTH, SURFACE MOUNTED, (1) 2-LAMP ELECTRONIC BALLAST. ELECTRONIC BALLAST SHALL BE ADVANCE IOP-2P32-SC, UNIVERSAL B232IUNVHP-B, OR EQUAL. LUMINAIRE SHALL BE LOCATED IN ARCHITECTURAL LIGHT COVE. COORDINATE LOCATION WITH TOILET ROOM LIGHT COVE DETAIL ON ARCHITECTURAL SHEETS.	F25T8 SPX35	2/25	48	SURFACE

- ① PRIOR TO BIDDING, CONTRACTOR SHALL DETERMINE CEILING CONSTRUCTION AND MOUNTING REQUIREMENTS FOR EACH LUMINAIRE AT EACH LOCATION, INCLUDING THOSE LUMINAIRES WHERE CEILING TYPE IS INDICATED.
- ② SEE DESCRIPTION.
- ③ SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- ④ CATALOG NUMBER AND DESCRIPTIONS SHALL BE VERIFIED BY CONTRACTOR PRIOR TO SUBMISSION OF SHOP DRAWINGS. ANY CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.
- ⑤ ALL FLUORESCENT BALLASTS SHALL BE CERTIFIED BY THE STATE OF CALIFORNIA.
- ⑥ ALL LAMPS SHALL BE OF TYPE AND HAVE LAMP BASE COMPATIBLE WITH LAMP SOCKET AND LUMINAIRE.
- ⑦ THE CATALOG NUMBERS SHOWN FOR LAMP TYPE ARE AS LISTED BY GENERAL ELECTRIC AND CAN BE CROSS REFERENCED TO CATALOG NUMBERS AS LISTED BY SYLVANIA.

23 LUMINAIRE SCHEDULE



FLEXIBLE CONDUITS SHALL BE INSTALLED WITH SUFFICIENT FLEXIBILITY TO ACCOMMODATE MOTION EQUAL TO OR GREATER THAN THE DEPTH OF THE SEISMIC JOINT IN ALL DIRECTIONS. THE INSTALLED CONDUITS SHALL ALSO INCLUDE FLEXIBILITY TO ACCOMMODATE THE MAXIMUM DIFFERENTIAL SETTLEMENT IN A VERTICAL DIRECTION. PROVIDE PULL POINT AT EACH END OF THE FLEXIBLE PORTION OF THE CONDUIT RUN WHENEVER THE TOTAL BENDS BETWEEN PULL POINTS IN THE RUN ARE GREATER THAN 270 AND LESS THAN 360°

24 CONDUIT AT SEISMIC JOINT

NTS

ONE LINE DIAGRAM SYMBOL LIST

- (X) DESIGNATION FOR OCPD OR DISCONNECTION EQUIPMENT BY CIRCUIT NUMBER OR LETTER. M=MAIN, B=BRANCH CIRCUIT DEVICE, F=FEEDER.
- AF (B) MOLDED CASE CIRCUIT BREAKER. AF=FRAME SIZE, AT=TRIP RATING, P=NUMBER OF POLES, A=AMP RATING.
- KVA (T) TRANSFORMER WITH PRIMARY AND SECONDARY VOLTAGES, PHASES, AND KVA RATING AS INDICATED.

THE NUMBERS IN THE LOAD COLUMN OF THE PANEL SCHEDULES REFER TO THE CATEGORY NUMBERS IDENTIFIED BELOW. DEMAND FACTORS ARE APPLIED BASED ON THE 2001 CALIFORNIA ELECTRICAL CODE SECTION LISTED FOR EACH CATEGORY. THE PANEL SCHEDULE CALCULATED LOAD IS DETERMINED BY SUBTRACTING FROM THE CONNECTED LOAD THE AMOUNT ALLOWED BY CATEGORIES 2, 4, 7, AND 8. THE CONDUCTOR LOAD IS DETERMINED BY ADDING THE AMOUNTS REQUIRED BY CATEGORIES 1, 3, 6, AND 9 TO THE CALCULATED LOAD.

1. CONTINUOUS LOAD (CEC 215-3)
2. RECEPTACLE LOAD (CEC 220-13)
3. MOTOR LOAD (CEC 220-14)
4. KITCHEN EQUIPMENT LOAD (CEC 220-20)
5. CONNECTED LOAD (NON-CONTINUOUS LOAD WITH NO DEMAND FACTOR)
6. METERED LOAD (CEC 220-35(2))
7. ELEVATOR LOAD (CEC 620-14)
8. X-RAY EQUIPMENT DEMAND (CEC 517-73)

20 PANEL SCHEDULE LOAD CATEGORY DESCRIPTIONS

PLAN SYMBOL LIST

- 1/2" C. 2-12AWG & 1-12AWGG
- 1/2" C. 3-12AWG & 1-12AWGG
- 3/4" C. 4-12AWG & 1-12AWGG
- 3/4" C. 5-12AWG & 1-12AWGG
- CONDUIT HOME RUN WITH 3-12AWG & 1-12AWGG TO PANEL "A", CIRCUITS 1 AND 3.
- CONDUIT RUN CONCEALED IN OR ABOVE CEILING, OR IN WALLS.
- CONDUIT RUN IN OR BELOW FLOOR, OR BELOW GRADE.
- CONDUIT RUN EXPOSED.
- CONDUIT RISER DOWN.
- CONDUIT RISER UP.
- CONDUIT RUN STUBBED OUT, MARKED AND CAPPED.
- F FIRE ALARM SYSTEM CONDUIT. 1/2" C. 1-18TSP CABLE UON.
- N NURSE CALL SYSTEM CONDUIT. 1/2" C. 1-2/C 22AWG WEST PENN 221 & 1-5/C 22AWG WEST PENN 280 OR EQUAL, UON.
- FLEXIBLE CONDUIT.
- DOTTED LINE INDICATES EQUIPMENT TO BE REMOVED UON.
- ⊕ JUNCTION BOX WITH BLANK FACEPLATE. JUNCTION BOX SHALL BE CONCEALED UON.
- ⊕ JUNCTION BOX WITH BLANK FACEPLATE FLUSH WALL MOUNTED AT +18"UON.
- S db SINGLE POLE TOGGLE SWITCH IN FLUSH WALL OUTLET BOX UON. SUBSCRIPTS INDICATE OUTLETS CONTROLLED AND A GANGED ASSEMBLY WITH A SWITCH OF THE TYPE INDICATED FOR EACH SUBSCRIPT. +42" UON.
- ⊕ OCCUPANCY SENSOR IN FLUSH WALL OUTLET BOX AT +42"UON.
- ⊕ FLUORESCENT DIMMER IN FLUSH WALL OUTLET BOX AT +42"UON.
- ⊕ OCCUPANCY SENSOR IN FLUSH CEILING OUTLET BOX UON.
- ⊕ DUPLEX RECEPTACLE CONNECTED TO A NORMAL SYSTEM CIRCUIT IN A FLUSH WALL OUTLET BOX AT +18" UON.
- ⊕ DUPLEX RECEPTACLE CONNECTED TO AN EMERGENCY SYSTEM CIRCUIT IN A FLUSH WALL OUTLET BOX AT +18" UON.
- ⊕ GFCI DUPLEX RECEPTACLE CONNECTED TO A NORMAL SYSTEM CIRCUIT IN A FLUSH WALL OUTLET BOX AT +18" UON.
- ⊕ GFCI DUPLEX RECEPTACLE CONNECTED TO AN EMERGENCY SYSTEM CIRCUIT IN A FLUSH WALL OUTLET BOX AT +18" UON.
- ⊕ SPECIAL RECEPTACLE IN A FLUSH WALL OUTLET BOX AT +18" UON.
- ELECTRICAL BRANCH CIRCUIT PANELBOARD, FLUSH MOUNTED. BAR DENOTES DOOR SIDE OF FLUSH MOUNTED PANEL.
- FLUORESCENT LUMINAIRE FLUSH, SURFACE, OR PENDANT MOUNTED AS INDICATED WITH OUTLET BOX MOUNTED ADJACENT TO LUMINAIRE.
- FLUORESCENT STRIP LUMINAIRE SURFACE MOUNTED ON FLUSH OUTLET BOX.
- INCANDESCENT, HID, OR COMPACT FLUORESCENT FLUSH CEILING MOUNTED LUMINAIRE WITH ADJACENT OUTLET BOX UON.
- INDICATES LUMINAIRE CONNECTED TO EMERGENCY CIRCUIT.
- ▽ TELEPHONE OUTLET IN FLUSH WALL OUTLET BOX WITH SINGLE GANG RING AT +9" UON. STUB 3/4"CO INTO ACCESSIBLE CEILING SPACE.
- ⊕ DATA OUTLET IN FLUSH WALL OUTLET BOX WITH SINGLE GANG RING AT +18" UON. STUB 3/4"CO INTO ACCESSIBLE CEILING SPACE.
- ⊕ PAGING SYSTEM SPEAKER IN FLUSH CEILING MOUNTED BACK BOX.
- ⊕ PAGING SYSTEM VOLUME CONTROL IN FLUSH WALL OUTLET BOX UON.
- ⊕ CLOCK ON FLUSH WALL MOUNTED SPECIAL BACK BOX UON.
- ⊕ NURSE CALL SYSTEM TOILET CALL STATION IN FLUSH WALL OUTLET BOX AT +28" UON.
- ⊕ NURSE CALL SYSTEM CORRIDOR LIGHT IN FLUSH WALL OUTLET BOX AT +90" UON.
- ⊕ FIRE ALARM SYSTEM SMOKE DETECTOR SURFACE MOUNTED ON A FLUSH CEILING OUTLET BOX UON.
- ⊕ FIRE ALARM SYSTEM HEAT DETECTOR SURFACE MOUNTED ON A SURFACE OUTLET BOX IN THE ACCESSIBLE CEILING SPACE UON.
- ⊕ FIRE ALARM SYSTEM MANUAL PULL STATION ON FLUSH WALL OUTLET BOX WITH COMBINATION CHIME/STROBE ON FLUSH OUTLET BOX ABOVE UON.
- ⊕ FIRE ALARM SYSTEM COMBINATION CHIME/STROBE ON FLUSH OUTLET BOX AT +86" UON.
- ⊕ FIRE ALARM SYSTEM STROBE ON FLUSH OUTLET BOX AT +86" UON.
- 10 THE TOP NUMBER INDICATES THE DETAIL REFERENCED AND THE BOTTOM NUMBER INDICATES THE SHEET NUMBER.
- ⊕ CALL-OUT DESIGNATES LUMINAIRE TYPE. REFER TO LUMINAIRE SCHEDULE FOR SPECIFICATIONS.

PROVIDE HANGERS, SUPPORTS, SEISMIC RESTRAINTS AND/OR BRACING FOR ALL EQUIPMENT, PIPING, DUCTWORK, AND CONDUIT TO SUSTAIN VERTICAL LOADS AND RESIST HORIZONTAL FORCES IN ANY DIRECTION TO COMPLY WITH 2007 EDITION OF TITLE 24, PART 2, CALIFORNIA BUILDING CODE AND THE 2005 EDITION OF ASCE 7 CHAPTER 13.

PIPES, DUCTS, AND CONDUITS SHALL BE SUPPORTED AND BRACED PER OSHPD PRE-APPROVAL NO. OPA-0349 THE 'MASON INDUSTRIES SEISMIC RESTRAINT GUIDELINES,' NO. OPA-0242 THE 'POWERSTRUT SEISMIC RESTRAINT SYSTEM,' OR NO. OPA-0114 THE 'B-LINE SEISMIC RESTRAINT SYSTEM' FOR PIPES AND CONDUITS ONLY. A COPY OF THE OSHPD PRE-APPROVED DOCUMENTS SHALL BE AT THE JOB SITE AT ALL TIMES. INSTALLATION OF THIS EQUIPMENT MUST BE DONE IN STRICT ACCORDANCE WITH THE PRE-APPROVED DOCUMENTS.

LAYOUT DRAWINGS, SHOWING THE BRACING/SUPPORT LOCATIONS AND REFERENCES TO DETAILS FROM THE RELEVANT OSHPD PRE-APPROVALS FOR PIPING/DUCTS/CONDUITS EXCEPT FIRE SPRINKLERS, SHALL BE SUBMITTED FOR USE BY THE IOR AND OFFICE FIELD STAFF. THE LAYOUT DRAWINGS SHALL BE REVIEWED AND ACCEPTED BY THE AOR AND EOR (SE AND/OR ME/EE) PRIOR TO START OF INSTALLATION OF THE BRACING/SUPPORT. IOR SHALL ENSURE THE ABOVE REQUIREMENTS ARE SATISFIED.

ANCHORAGE OF ALL EQUIPMENT TO BE INSTALLED, AS A PART OF THIS PROJECT SHALL BE DETAILED ON THESE PLANS, EXCEPT FOR THE FOLLOWING:

1. EQUIPMENT WEIGHING LESS THAN 400 POUNDS SUPPORTED DIRECTLY ON THE FLOOR OR ROOF.
 2. BLANK
 3. TEMPORARY OR MOVABLE EQUIPMENT.
 4. EQUIPMENT WEIGHING LESS THAN 20 POUNDS SUPPORTED BY VIBRATION ISOLATORS.
 5. EQUIPMENT WEIGHING LESS THAN 20 POUNDS SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.
- PERMANENT EQUIPMENT IN ITEMS 1, 4, AND 5 MUST BE SUPPORTED AND ANCHORED TO RESIST THE FORCES PRESCRIBED BY CHAPTER 13 AND THE ANCHORAGE SHALL BE APPROVED BY THE APPROPRIATE DESIGN PROFESSIONAL OF RECORD AND OSHPD AS A PART OF FIELD REVIEWS/OBSERVATIONS. THE INSPECTOR OF RECORD SHALL ASSURE THAT THE ABOVE REQUIREMENTS ARE ENFORCED.

EXPANSION ANCHORS FOR USE IN CONCRETE IN DRY LOCATIONS SHALL BE HILTI CARBON STEEL KWIK BOLT TZ WEDGE ANCHORS OR APPROVED EQUAL. EXPANSION ANCHORS FOR USE IN CONCRETE IN DAMP AND WET LOCATIONS SHALL BE HILTI STAINLESS STEEL KWIK BOLT TZ WEDGE ANCHORS OR APPROVED EQUAL. ALLOWABLE SHEAR AND TENSION VALUES IN POUNDS FOR EACH ANCHOR SHALL BE 80% OF THE VALUES SHOWN IN THE 2004 ISSUE OF ICBO REPORT NO. ESR-1917. PROVIDE ANCHORS OF DIAMETER AND MINIMUM EMBEDMENT INDICATED. DRY LOCATIONS ARE DEFINED AS LOCATIONS NOT NORMALLY SUBJECT TO DAMPNES OR WETNESS. DAMP LOCATIONS ARE DEFINED AS PARTIALLY PROTECTED LOCATIONS UNDER CANOPIES, MARQUEES, ROOFED PORCHES, AND LIKE LOCATIONS AND INTERIOR LOCATIONS SUBJECT TO MODERATE DEGREES OF MOISTURE, SUCH AS SOME BASEMENTS. WET LOCATIONS ARE DEFINED AS INSTALLATIONS UNDERGROUND OR IN CONCRETE SLABS OR MASONRY IN DIRECT CONTACT WITH THE EARTH, LOCATIONS SUBJECT TO SATURATION WITH WATER OR OTHER LIQUIDS, AND LOCATIONS EXPOSED TO WEATHER AND UNPROTECTED.

PROOF LOAD TEST FOR WEDGE TYPE CONCRETE ANCHOR BOLTS: WHERE CONCRETE ANCHOR BOLTS OF THE WEDGE EXPANSION TYPE ARE LOADED IN PULLOUT OR SHEAR, 50% OF THE BOLTS (ALTERNATE BOLTS IN ANY GROUP ARRANGEMENT) SHALL BE PROOF TESTED AT LEAST 24 HOURS AFTER INSTALLATION IN THE PRESENCE OF PROJECT INSPECTOR TO THE TEST VALUES LISTED FOR THE PARTICULAR ANCHOR. APPLY PROOF TEST LOAD TO WEDGE ANCHOR 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 AND APPLY LOAD. THE ANCHOR SHALL HAVE NO OBSERVABLE MOVEMENT AT THE APPLICABLE TEST LOAD. IF ANY BOLTS FAIL THE PROOF LOAD TEST, TEST ALL ANCHOR BOLTS OF THE SAME TYPE, INSTALLED BY THE SAME TRADE, AND NOT PREVIOUSLY TESTED, UNTIL 20 CONSECUTIVE ANCHORS PASS, THEN RESUME INITIAL TEST FREQUENCY.

MATERIAL: HARD ROCK OR LIGHTWEIGHT CONCRETE
TEST: DIRECT PULL TENSION OR TORQUE

BOLT DIAMETER (INCHES):	1/4	3/8	1/2	5/8	3/4	1
TENSION VALUE (LBS):	800	1100	2000	2300	3700	5800
TORQUE VALUE (FT-LBS):	10	25	50	80	150	250

THE ABOVE VALUES ARE BASED ON CODE APPLICATION NOTICE 2-1925B.3.5 DATED AUGUST 26, 2002.

WHEN INSTALLING DRILLED-IN ANCHORS IN EXISTING NON-PRESTRESSED REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. MAINTAIN A MINIMUM CLEARANCE OF ONE INCH BETWEEN THE REINFORCEMENT AND THE DRILLED-IN ANCHOR.

8 SEISMIC NOTES

Electrical Abbreviations

AWGG	AMERICAN WIRE GAGE GROUND CONDUCTOR, SIZE AS INDICATED.
CO	CONDUIT ONLY WITH NYLON PULLROPE
EX	EXISTING
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
MH=90"	INDICATES HEIGHT TO BOTTOM OF LUMINAIRE
NTS	NOT TO SCALE
UON	UNLESS OTHERWISE NOTED
+XX"	INDICATES HEIGHT TO CENTER OF OUTLET BOX

O.S.H.P.D. PROJECT # SL 101318-56
 REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR
 APPROVED
 APR 05 2011
 Office of Statewide Health Planning & Development
 FACILITIES DEVELOPMENT DIVISION

COUNTY OF VENTURA
 PUBLIC WORKS AGENCY
 ENGINEERING SERVICES DEPARTMENT

PROJECT MANAGER

SPEC. NUMBER CP11-05 SHEET 24 OF 31
 PROJECT NUMBER ENT11103 DRAWING NUMBER 113372

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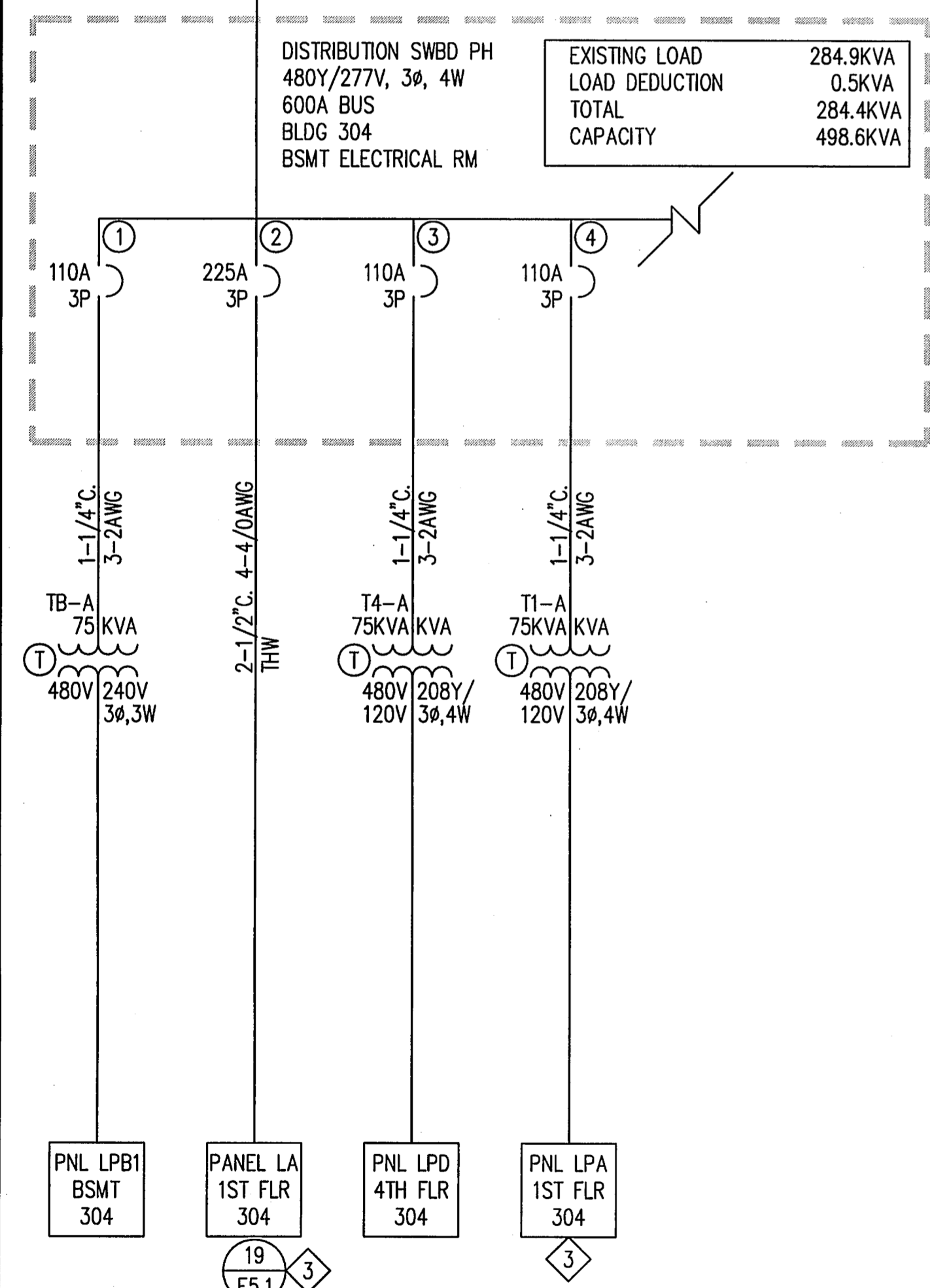
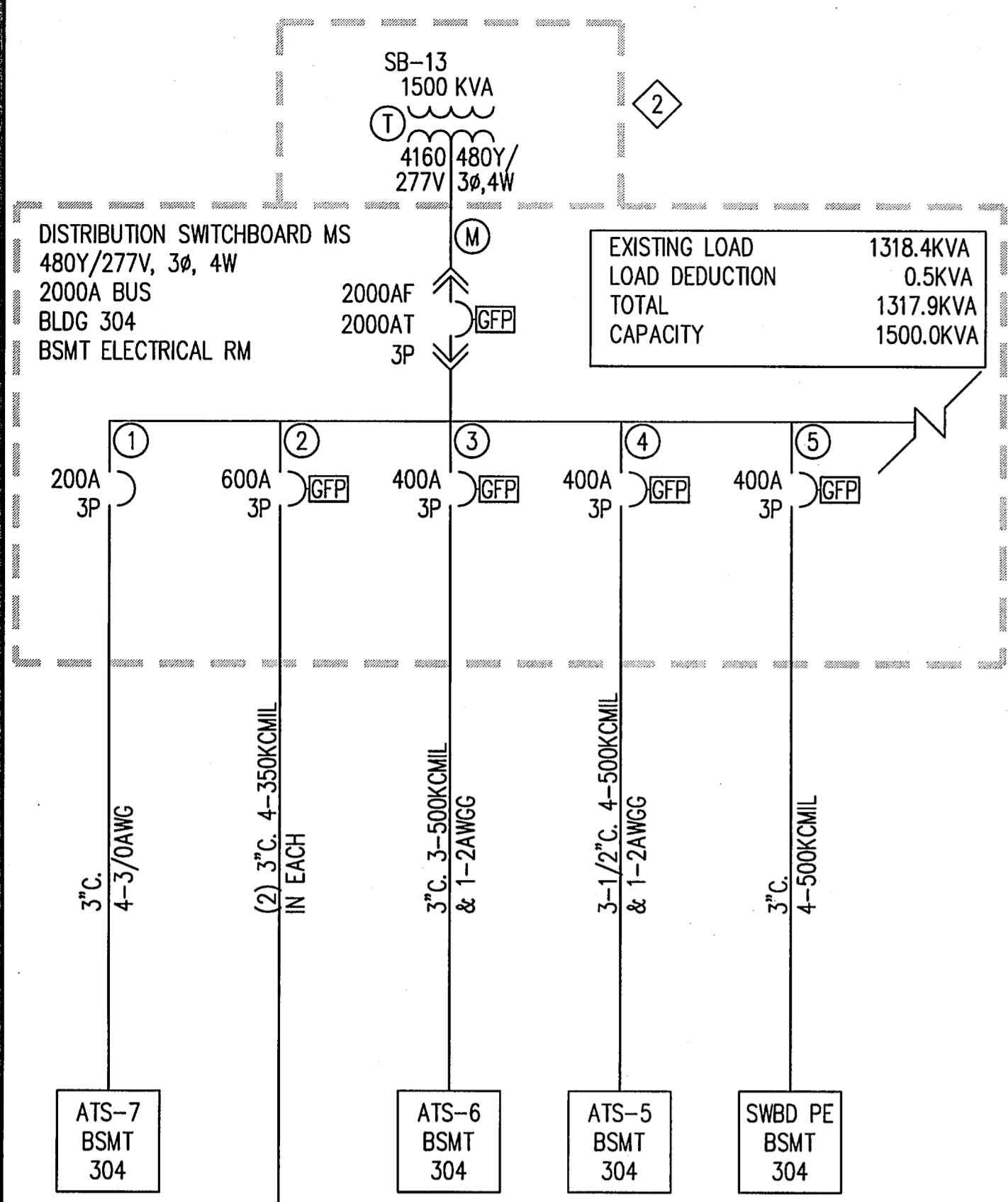
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 STATE OF CALIFORNIA
 12524 9/11

Sheet SYMBOL LISTS, LUMINAIRE SCHEDULE, SEISMIC NOTES
 Title
 R&A No: 00043
 Date: 06-01-10
 Drawn: J. B. BROWN
 3-30-11 OSHPD CORR
 Checked: [Signature]
 Contact: Ng

MAMMOGRAPHY ROOMS
 & NEEDLE BIOPSY ROOM
 VENTURA COUNTY MEDICAL CENTER
 3291 LOMA VISTA ROAD
 VENTURA, CALIFORNIA

Sheet No.
E0.1

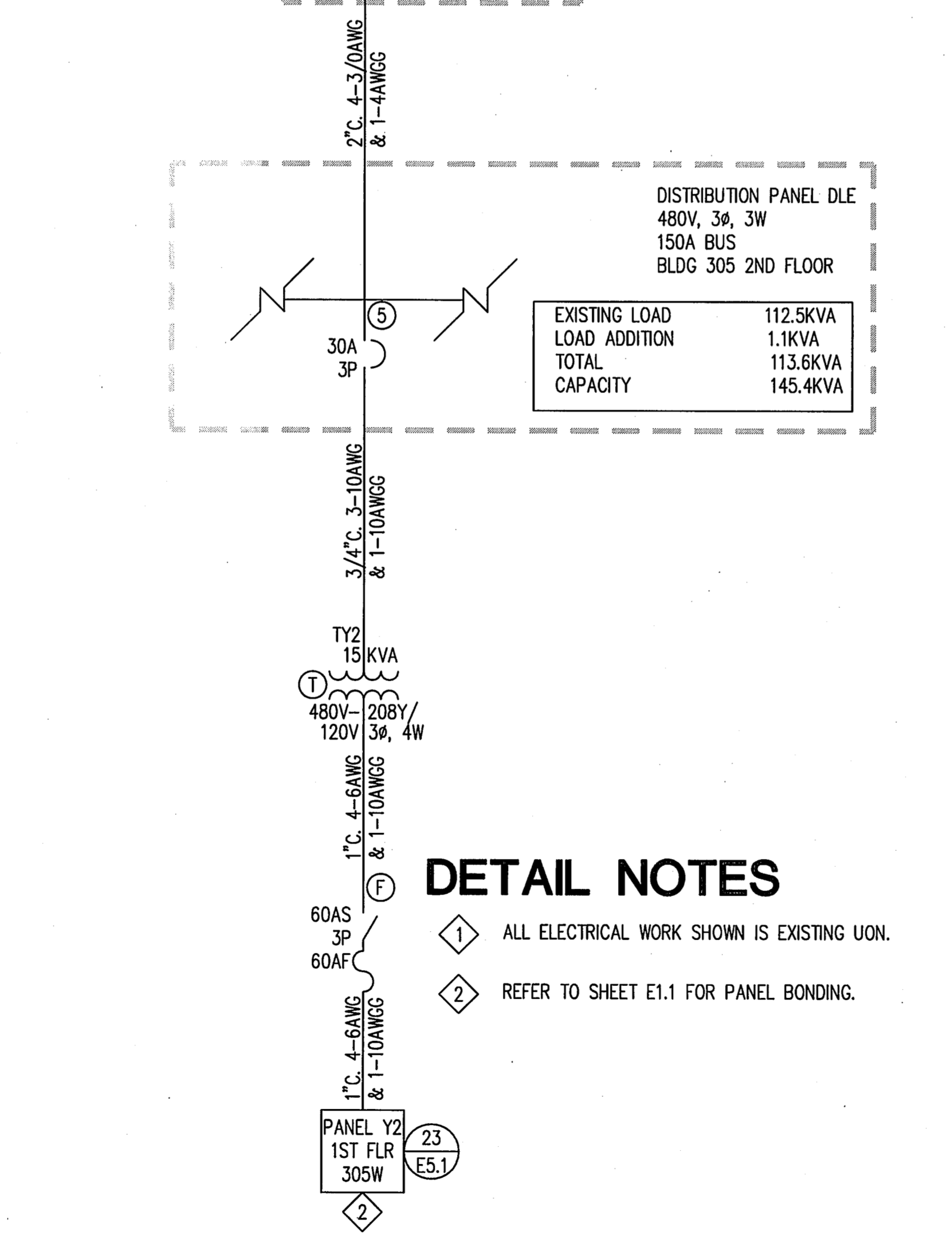
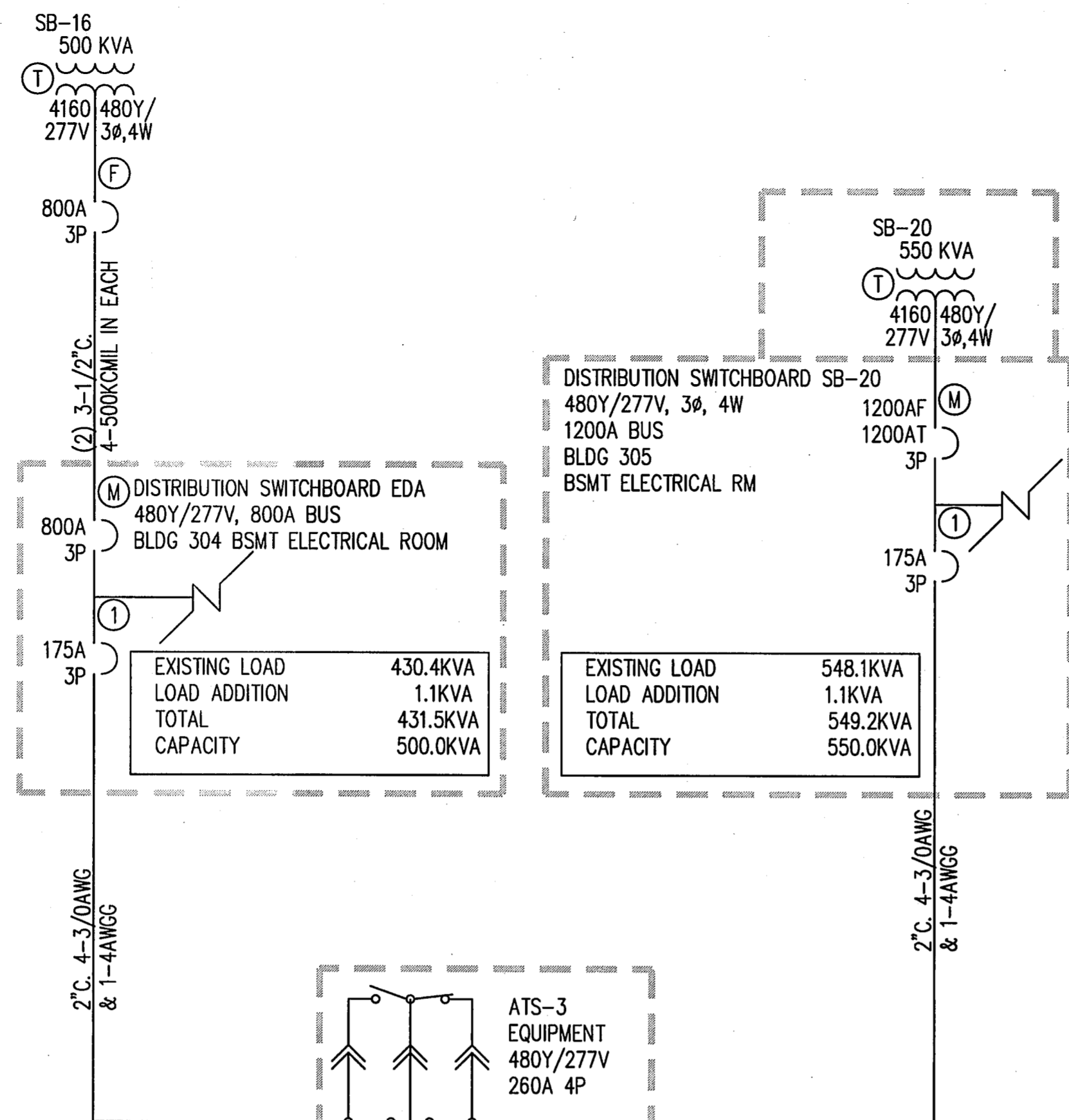
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DETAIL NOTES

- ALL ELECTRICAL WORK SHOWN IS EXISTING UON.
- SB-13 IS SERVED FROM A NON-SEGREGATED ESSENTIAL SYSTEM TRANSFER SWITCH.
- REFER TO SHEET E1.1 FOR PANEL BONDING.

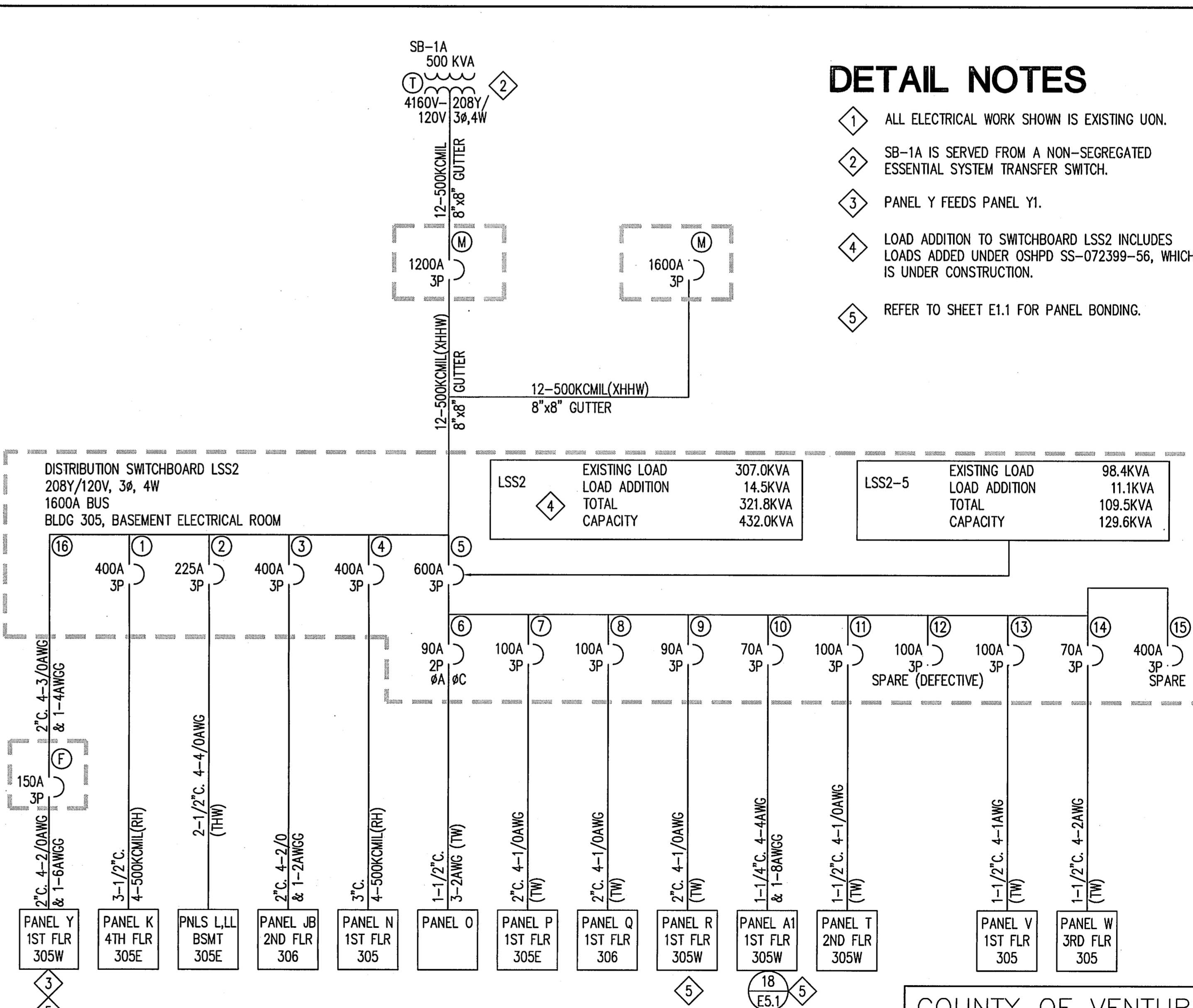
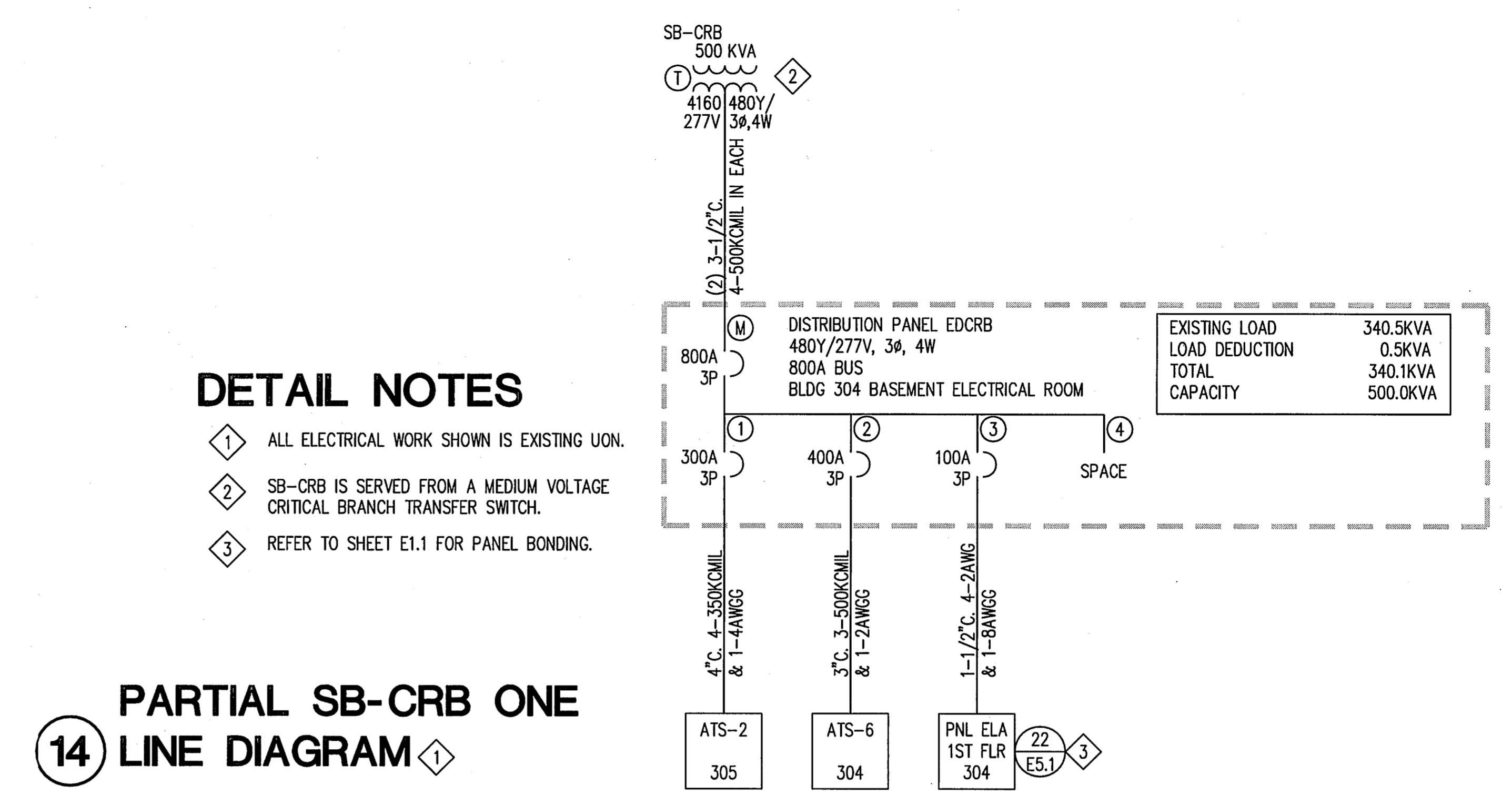
24 PARTIAL SB-13 ONE LINE DIAGRAM



DETAIL NOTES

- ALL ELECTRICAL WORK SHOWN IS EXISTING UON.
- REFER TO SHEET E1.1 FOR PANEL BONDING.

20 PARTIAL SB-16 AND SB-20 ONE LINE DIAGRAM



DETAIL NOTES

- ALL ELECTRICAL WORK SHOWN IS EXISTING UON.
- SB-1A IS SERVED FROM A NON-SEGREGATED ESSENTIAL SYSTEM TRANSFER SWITCH.
- PANEL Y FEEDS PANEL Y1.
- LOAD ADDITION TO SWITCHBOARD LSS2 INCLUDES LOADS ADDED UNDER OSHPD SS-072399-56, WHICH IS UNDER CONSTRUCTION.
- REFER TO SHEET E1.1 FOR PANEL BONDING.

16 PARTIAL SB-1A ONE LINE DIAGRAM

DETAIL NOTES

- ALL ELECTRICAL WORK SHOWN IS EXISTING UON.
- SB-CRB IS SERVED FROM A MEDIUM VOLTAGE CRITICAL BRANCH TRANSFER SWITCH.
- REFER TO SHEET E1.1 FOR PANEL BONDING.

14 PARTIAL SB-CRB ONE LINE DIAGRAM

DETAIL NOTES

- ALL ELECTRICAL WORK SHOWN IS EXISTING UON.
- SB-1A IS SERVED FROM A NON-SEGREGATED ESSENTIAL SYSTEM TRANSFER SWITCH.
- PANEL Y FEEDS PANEL Y1.
- LOAD ADDITION TO SWITCHBOARD LSS2 INCLUDES LOADS ADDED UNDER OSHPD SS-072399-56, WHICH IS UNDER CONSTRUCTION.
- REFER TO SHEET E1.1 FOR PANEL BONDING.

O.S.H.P.D. PROJECT # SL 101318-56

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR

APPROVED

APR 05 2011

Office of Statewide Health Planning & Development
FACILITIES DEVELOPMENT DIVISION

COUNTY OF VENTURA
PUBLIC WORKS AGENCY
ENGINEERING SERVICES DEPARTMENT

PROJECT MANAGER

SPEC. NUMBER CP11-05 SHEET 25 OF 31
PROJECT NUMBER ENT11103 DRAWING NUMBER 113573

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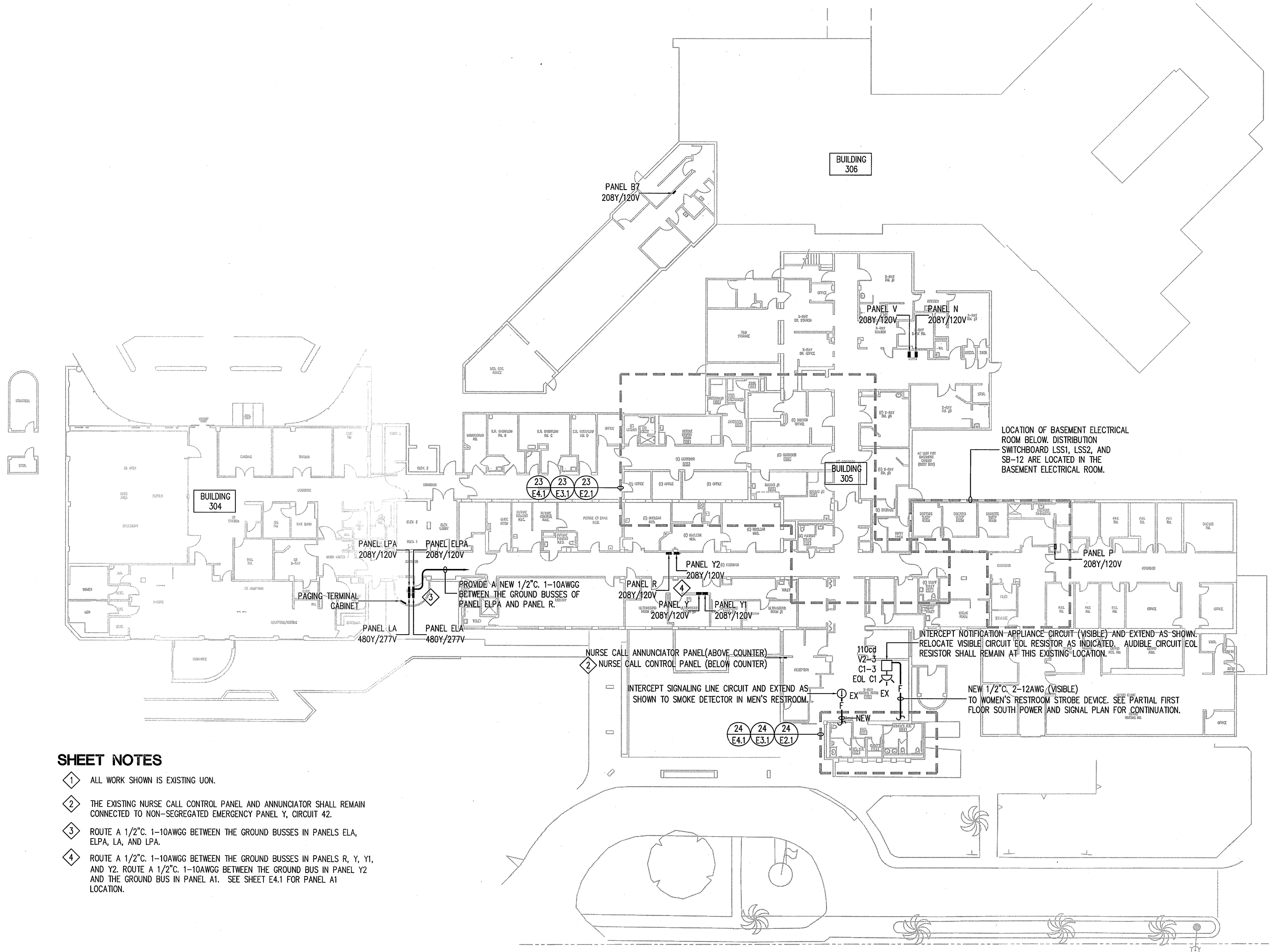
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Sheet Title: PARTIAL ONE LINE DIAGRAMS
Revisions: 00043
12-28-10 OSHPD CCR
3-30-11 OSHPD CCR
Date: 06-01-10
Drawn: [Signature]
Checked: [Signature]
Consult: No.

MAMMOGRAPHY ROOMS & NEEDLE BIOPSY ROOM
VENTURA COUNTY MEDICAL CENTER
3291 LOMA VISTA ROAD
VENTURA, CALIFORNIA

Sheet No. **E0.2**

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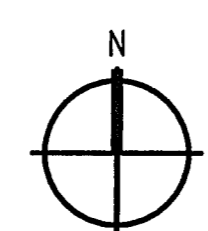
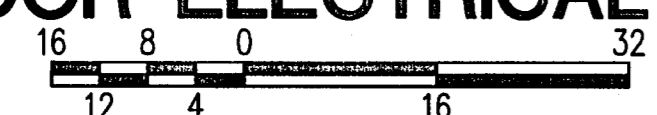


SHEET NOTES

- 1 ALL WORK SHOWN IS EXISTING UON.
- 2 THE EXISTING NURSE CALL CONTROL PANEL AND ANNUNCIATOR SHALL REMAIN CONNECTED TO NON-SEGREGATED EMERGENCY PANEL Y, CIRCUIT 42.
- 3 ROUTE A 1/2" C. 1-10AWGG BETWEEN THE GROUND BUSES IN PANELS ELA, ELPA, LA, AND LPA.
- 4 ROUTE A 1/2" C. 1-10AWGG BETWEEN THE GROUND BUSES IN PANELS R, Y, Y1, AND Y2. ROUTE A 1/2" C. 1-10AWGG BETWEEN THE GROUND BUS IN PANEL Y2 AND THE GROUND BUS IN PANEL A1. SEE SHEET E4.1 FOR PANEL A1 LOCATION.

24 FIRST FLOOR ELECTRICAL PLAN

SCALE 1/16" = 1' - 0"



O.S.H.P.D. PROJECT # SL 101318-56

REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF 124, CCR

APPROVED

APR 05 2011

Office of Statewide Health Planning & Development FACILITIES DEVELOPMENT DIVISION

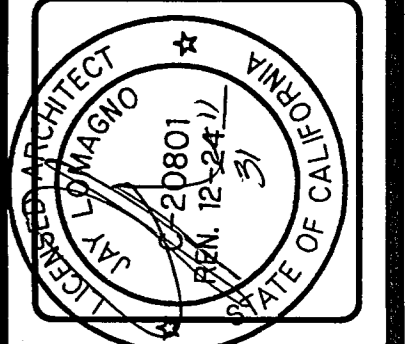
COUNTY OF VENTURA
PUBLIC WORKS AGENCY
ENGINEERING SERVICES DEPARTMENT

PROJECT NUMBER CP11-05		SHEET 26 OF 31	
PROJECT NUMBER ENT11103		DRAWING NUMBER 113574	

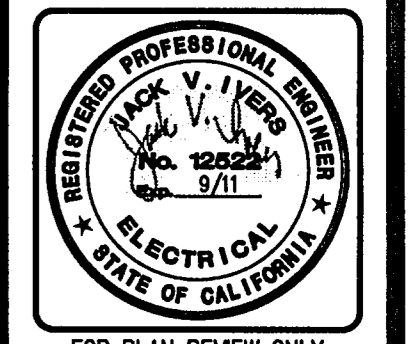
MAMMOGRAPHY ROOMS & NEEDLE BIOPSY ROOM
VENTURA COUNTY MEDICAL CENTER
3291 LOMA VISTA ROAD
VENTURA, CALIFORNIA

Sheet No.
E1.1

Sheet	First Floor Electrical
Title	PLAN
Revisions	R&A No: 00043
12-29-10 USPD CORR	Date: 08-01-10
3-30-11 USPD CORR	Drawn: 12-24-11
	Checked:
	Consult: No.



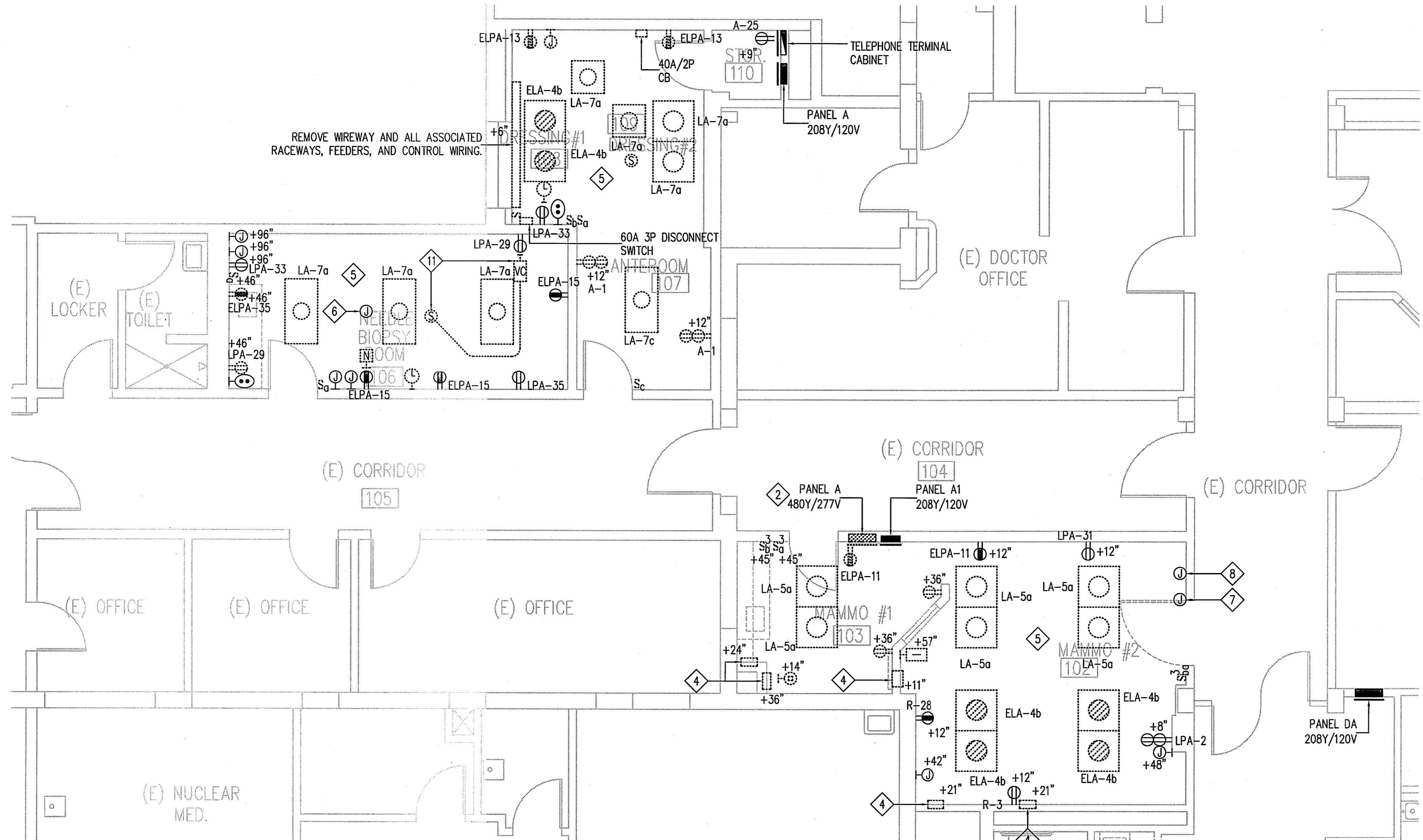
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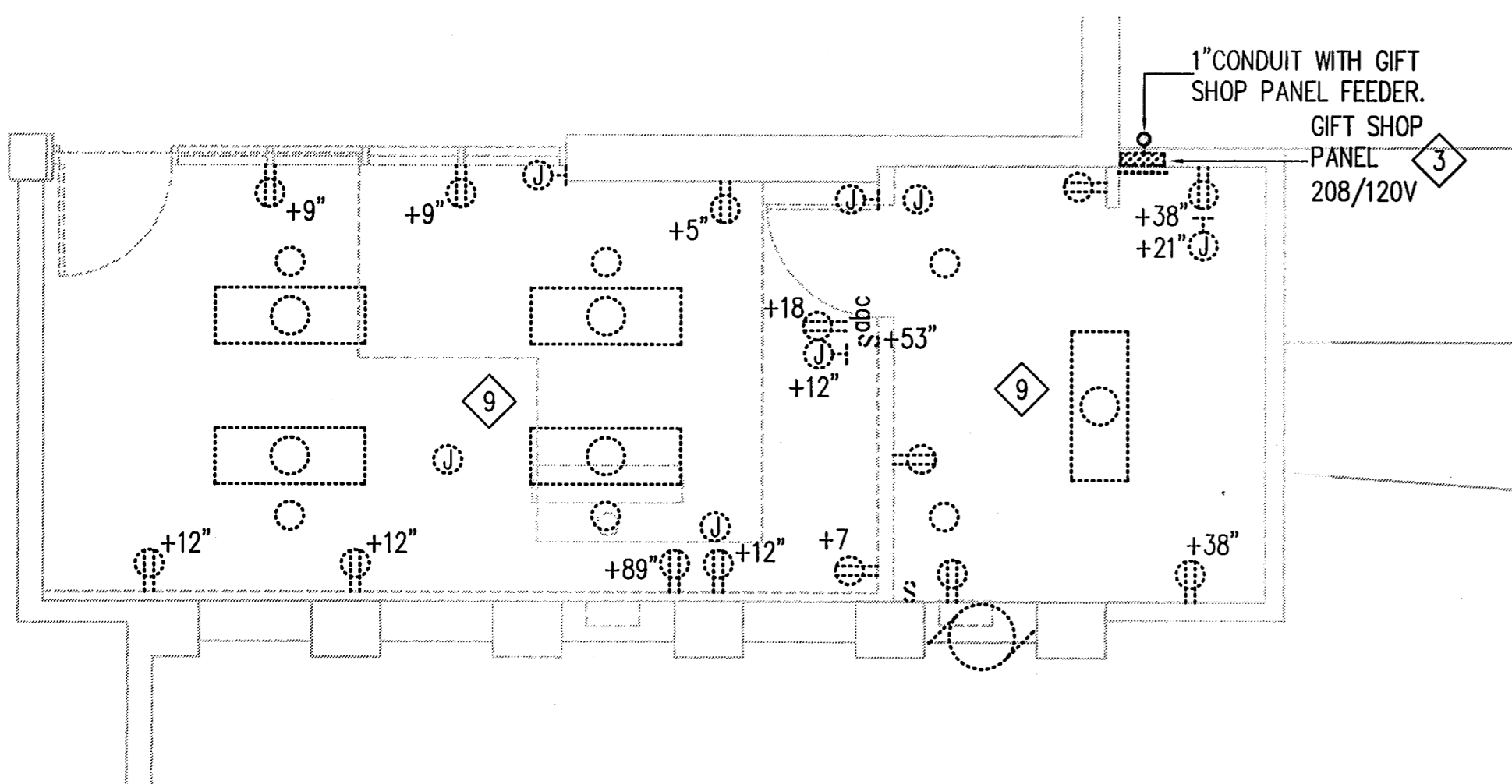
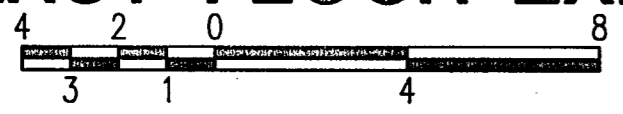
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23 PARTIAL FIRST FLOOR EXISTING AND DEMOLITION ELECTRICAL PLAN

SCALE 1/4" = 1' - 0"



24 PARTIAL FIRST FLOOR EXISTING AND DEMOLITION ELECTRICAL PLAN

SCALE 1/4" = 1' - 0"

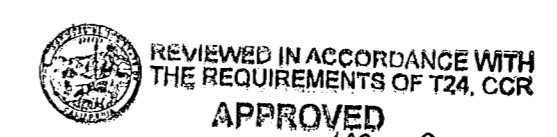


SHEET NOTES

- 1 ALL WORK SHOWN IS EXISTING UON.
- 2 PANEL A IS FED FROM TRANSFORMER SB-12.
- 3 GIFT SHOP PANEL IS FED FROM SWITCHBOARD LSS1.
- 4 SEMI-FLUSH PULLBOX.
- 5 EXISTING CIRCUITS SHOWN FOR LUMINAIRES ARE BASED ON AVAILABLE RECORD DATA. TRACE ACTUAL PANEL & CIRCUIT NUMBERS AND NOTE ON RECORD DRAWINGS.
- 6 EXISTING OUTLET BOX ABOVE CEILING LABELED LA-7. CONFIRM LIGHTING CIRCUIT IS FED FROM PANEL LA AND EXTEND AS NOTED ON SHEET E3.1. SEE SHEET E1.1 FOR PANEL LA LOCATION.
- 7 EXISTING OUTLET BOX ABOVE CEILING LABELED LA-5. CONFIRM LIGHTING CIRCUIT IS FED FROM PANEL LA AND EXTEND AS NOTED ON SHEET E3.1. SEE SHEET E1.1 FOR PANEL LA LOCATION.
- 8 EXISTING OUTLET BOX ABOVE CEILING LABELED ELA-4. CONFIRM LIGHTING CIRCUIT IS FED FROM PANEL ELA AND EXTEND AS NOTED ON SHEET E3.1. SEE SHEET E1.1 FOR PANEL ELA LOCATION.
- 9 AVAILABLE RECORD INFORMATION INDICATES THE CIRCUITS IN THIS AREA ARE SERVED BY THE EXISTING GIFT SHOP PANEL. TRACE ACTUAL PANEL & CIRCUIT NUMBERS AND NOTE ON THE RECORD DRAWINGS.
- 10 TRACE ACTUAL PANEL & CIRCUIT NUMBERS AND NOTE ON THE RECORD DRAWINGS.
- 11 RELOCATE EXISTING PAGING SPEAKER TO CORRIDOR 104. RELOCATE EXISTING VOLUME CONTROL TO MAMMO #1 103. RELOCATE EXISTING VOLUME CONTROL TO MAMMO #1 103. SEE SHEET E4.1 FOR NEW LOCATIONS.

DISCONNECT, RELOCATE, & RECONNECT EX FIRE ALARM STROBE DEVICE TO MAKE ROOM FOR DOOR. SEE PARTIAL FIRST FLOOR NORTH POWER AND SIGNAL PLAN FOR FINAL STROBE LOCATION.

O.S.H.P.D. PROJECT # SL 101318-56



APR 05 2011

Office of Statewide Health Planning & Development FACILITIES DEVELOPMENT DIVISION

COUNTY OF VENTURA
PUBLIC WORKS AGENCY
ENGINEERING SERVICES DEPARTMENT

PROJECT MANAGER

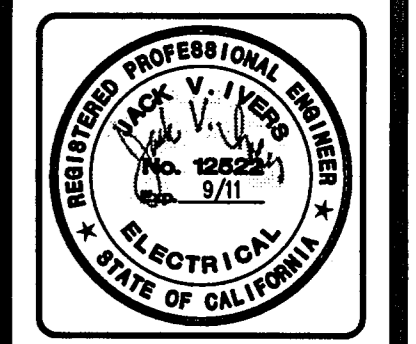
SPEC. NUMBER CP11-05 SHEET 27 OF 31

PROJECT NUMBER ENT11103 DRAWING NUMBER 113575

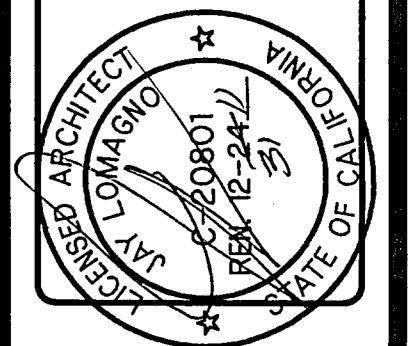
MAMMOGRAPHY ROOMS & NEEDLE BIOPSY ROOM
VENTURA COUNTY MEDICAL CENTER
3291 LOMA VISTA ROAD
VENTURA, CALIFORNIA

Sheet No. **E2.1**

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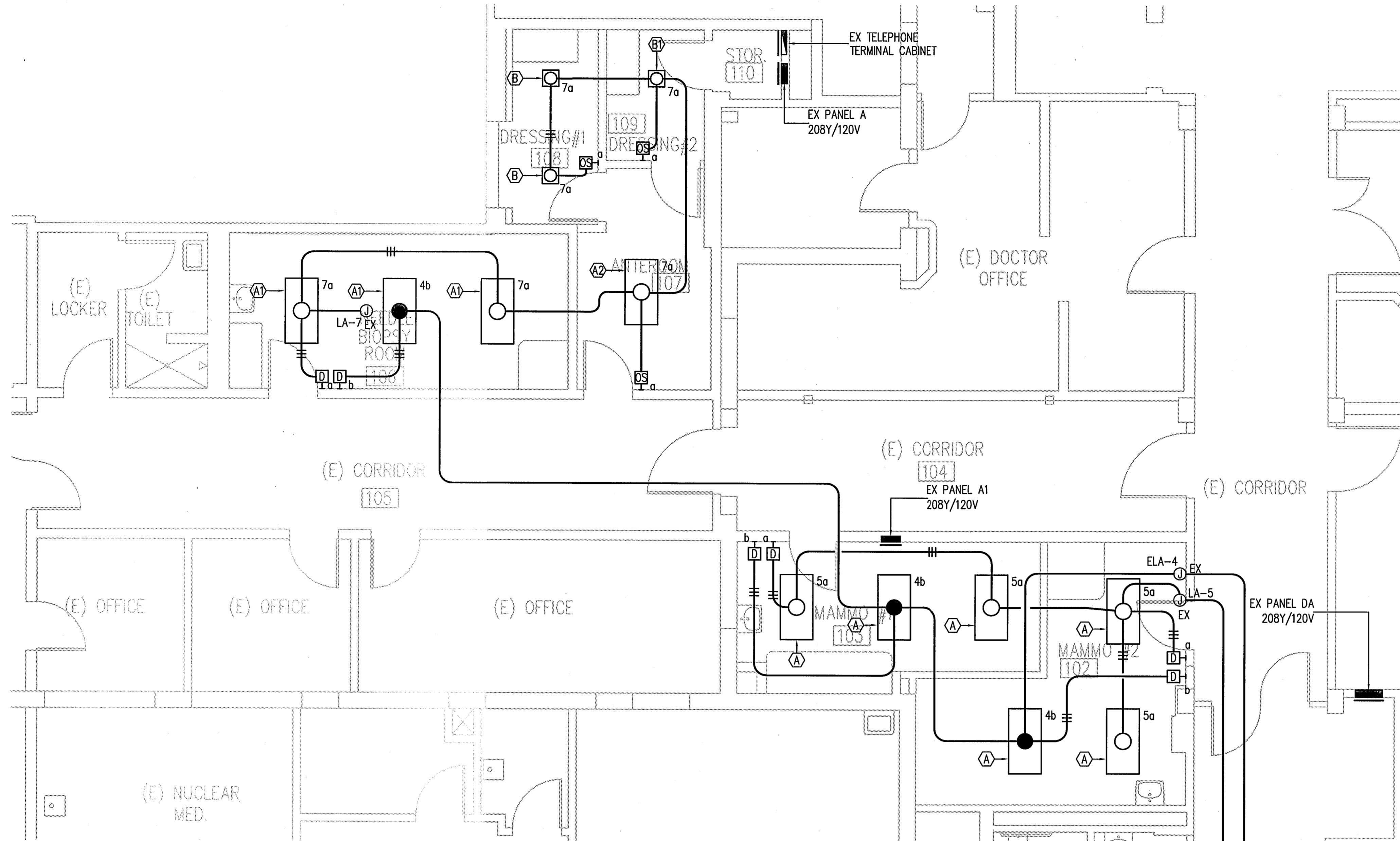


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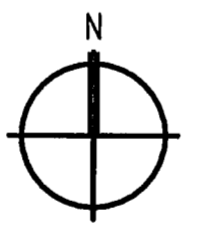
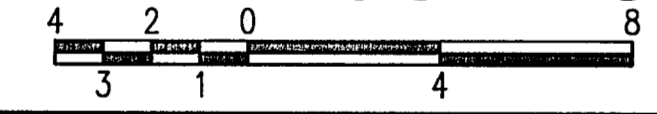


Sheet	PARTIAL FIRST FLOOR EXISTING AND DEMOLITION ELECTRICAL PLANS		
Revisions	R&A No.	00043	
12-29-10 OSHPD CORR	Date:	08-01-10	
3-30-11 OSHPD CORR	Drawn:		
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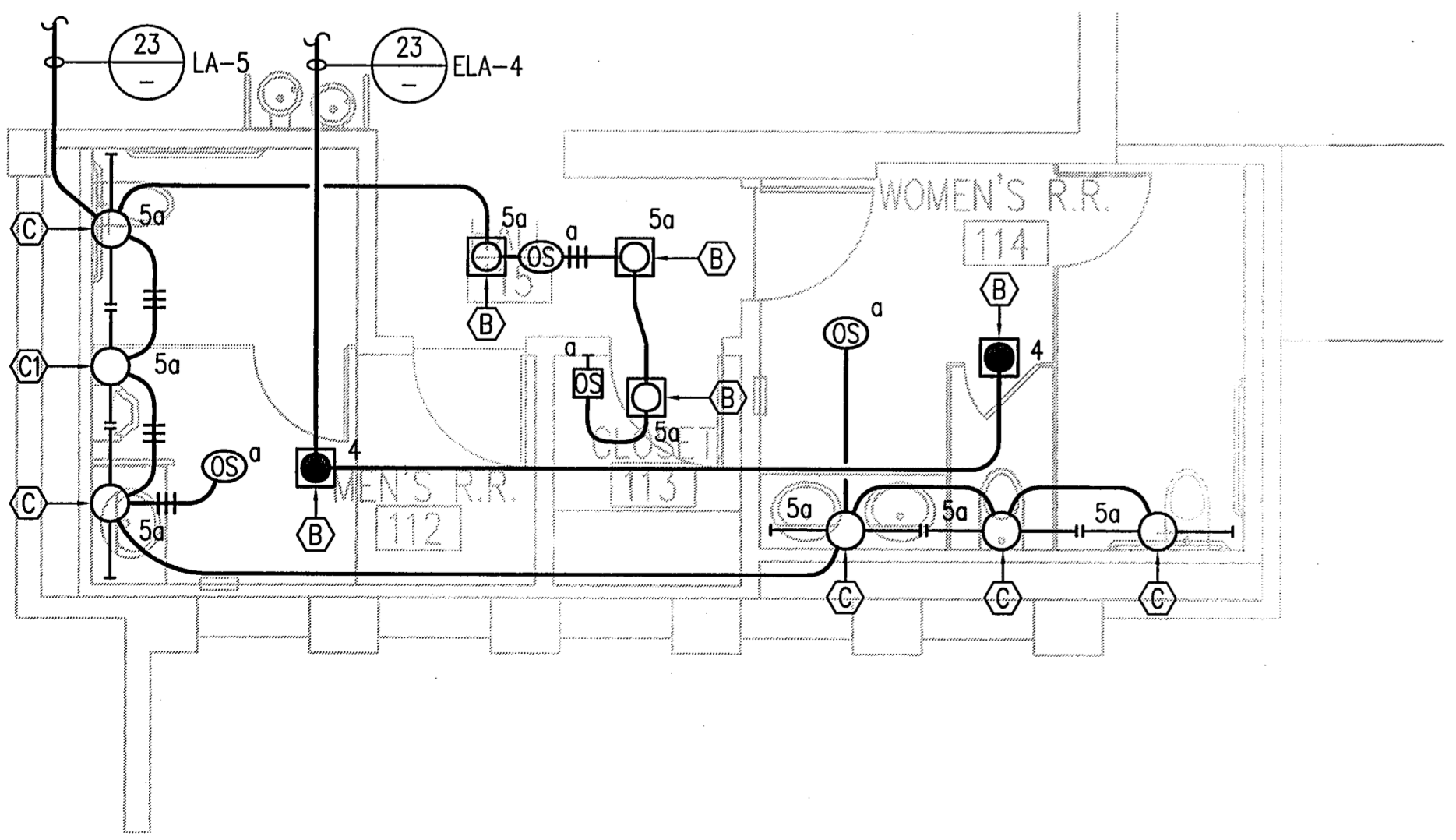


23 PARTIAL FIRST FLOOR NORTH LIGHTING PLAN
 SCALE 1/4" = 1' - 0"

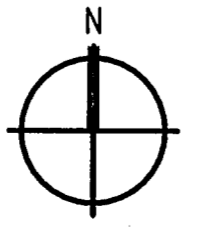
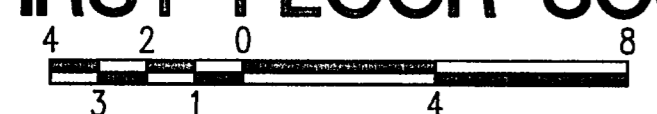


DETAIL NOTES

- 1 ALL ELECTRICAL WORK SHOWN IS NEW UON.
- 2 CONNECT EX LUMINAIRE TO NEW WALL SWITCH OCCUPANCY SENSOR. INDICATE CIRCUIT OF ORIGIN ON RECORD DRAWING.
- 3 IDENTIFY CIRCUIT AND PANEL OF ORIGIN ON RECORD DRAWINGS.
- 4 CONNECT EX LUMINAIRE TO NEW CEILING MOUNTED OCCUPANCY SENSOR. INDICATE CIRCUIT OF ORIGIN ON RECORD DRAWINGS.



24 PARTIAL FIRST FLOOR SOUTH LIGHTING PLAN
 SCALE 1/4" = 1' - 0"



DETAIL NOTES

- 1 ALL ELECTRICAL WORK SHOWN IS NEW UON.

O.S.H.P.D. PROJECT # SL 101318-56
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 FACILITIES DEVELOPMENT DIVISION

COUNTY OF VENTURA
 PUBLIC WORKS AGENCY
 ENGINEERING SERVICES DEPARTMENT

PROJECT MANAGER

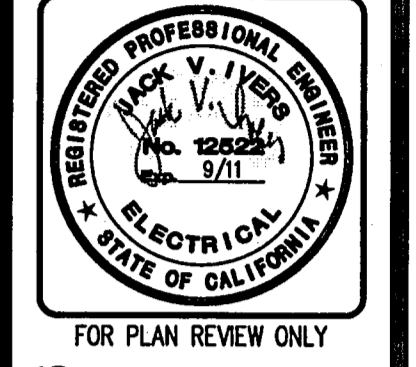
SPEC. NUMBER CP11-05 SHEET 28 OF 31

PROJECT NUMBER ENT11103 DRAWING NUMBER 113576

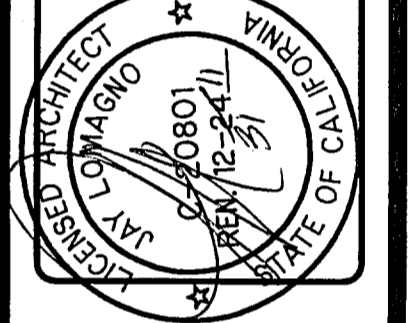
MAMMOGRAPHY ROOMS & NEEDLE BIOPSY ROOM
 VENTURA COUNTY MEDICAL CENTER
 3291 LOMA VISTA ROAD
 VENTURA, CALIFORNIA

Sheet No.
E3.1

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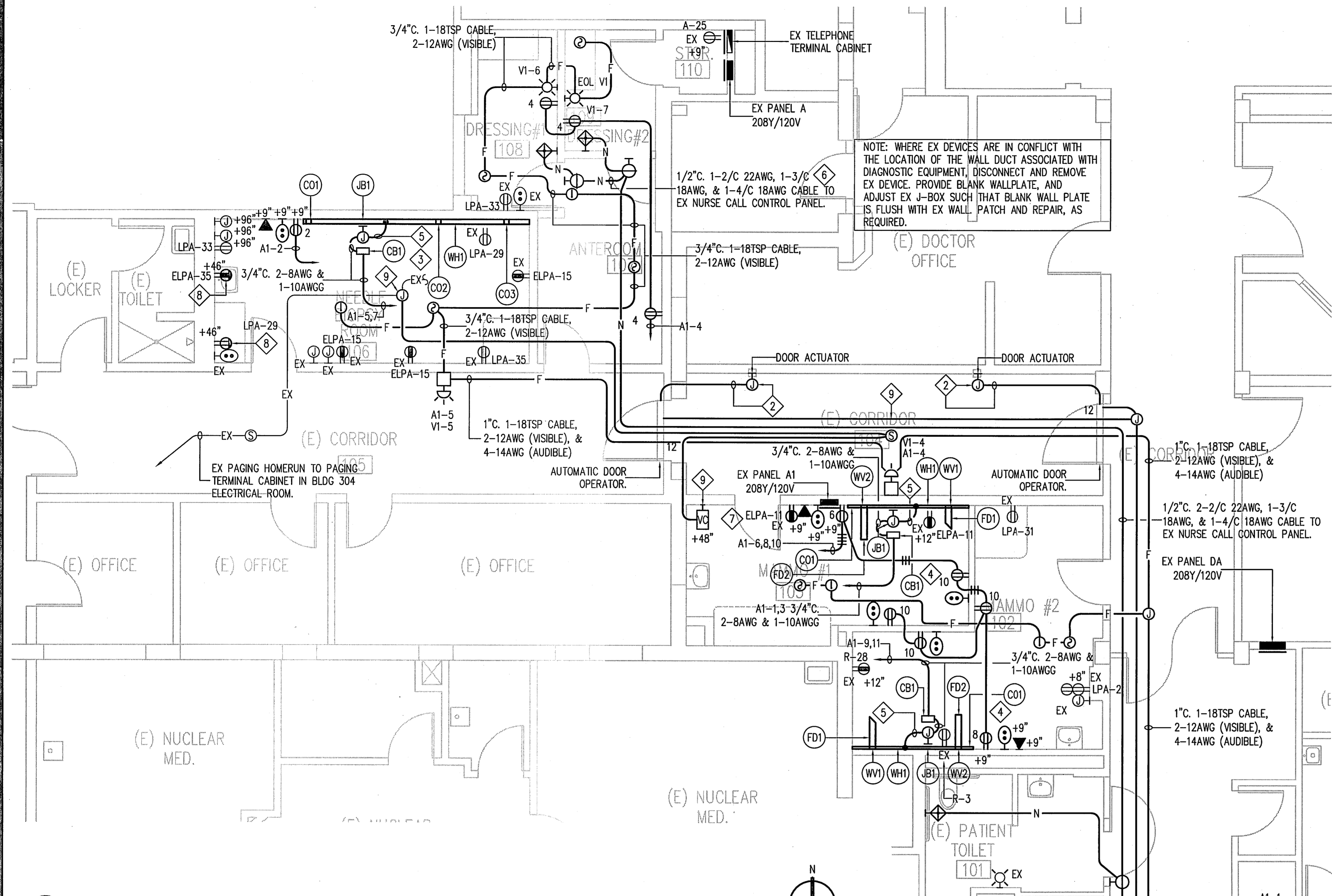


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Sheet	PARTIAL FIRST FLOOR	Revisions	
Title	LIGHTING PLANS	R&A No.	00043
		Date:	06-01-10
		Drawn:	3-30-11 OSHPD CORR
		Checked:	
		Consult:	Nc

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23 PARTIAL FIRST FLOOR NORTH POWER & SIGNAL PLAN
 SCALE 1/4" = 1' - 0"

ELECTRICAL LEGEND

ITEM	DESCRIPTION
CB1	35A, 2P SURFACE MOUNTED ENCLOSED CIRCUIT BREAKER, +60" TO CENTER OF ENCLOSURE. PROVIDE CONDUCTORS FROM CB1 TO JB1 WITH 18" NON-TERMINATED PIGTAIL. MAXIMUM LINE IMPEDANCE NOT TO EXCEED: 0.20 OHMS FOR 208, 220, 230, 240VAC, OR 0.16 OHMS FOR 200VAC (IEC 601-2-7, TABLE 101). GENERATOR TO BE PERMANENTLY WIRED ONLY. PLUG AND RECEPTACLE ARE NOT ALLOWED FOR GENERATOR POWER.
JB1	6" x 6" x 4" SURFACE MTD. ELECTRICAL WALL BOX, +42". JB1 SHALL SERVE AS THE LOCATION FOR PERMANENT (HARD-WIRED) CONNECTION OF GENERATOR POWER.
WH1	HORIZONTAL SURFACE WALL DUCT, 10" x 3 1/2", WITH REMOVABLE COVERS, BOTTOM OF WALL DUCT 12" ABOVE FINISHED FLOOR. PROVIDE TWO EQUALLY SPACED DIVIDERS THROUGH-OUT WALL DUCT. WALL DUCT MUST HAVE ACCESS OPENING TO CO1, CO2, AND CO3.
CO1, CO2, CO3	3" DIA. GROMMETTED CUT-OUT IN SEPARATE 10"x10" COVER OF HORIZONTAL WALL DUCT, 1'-5" ABOVE FINISHED FLOOR.

10 NEEDLE BIOPSY ROOM LEGEND

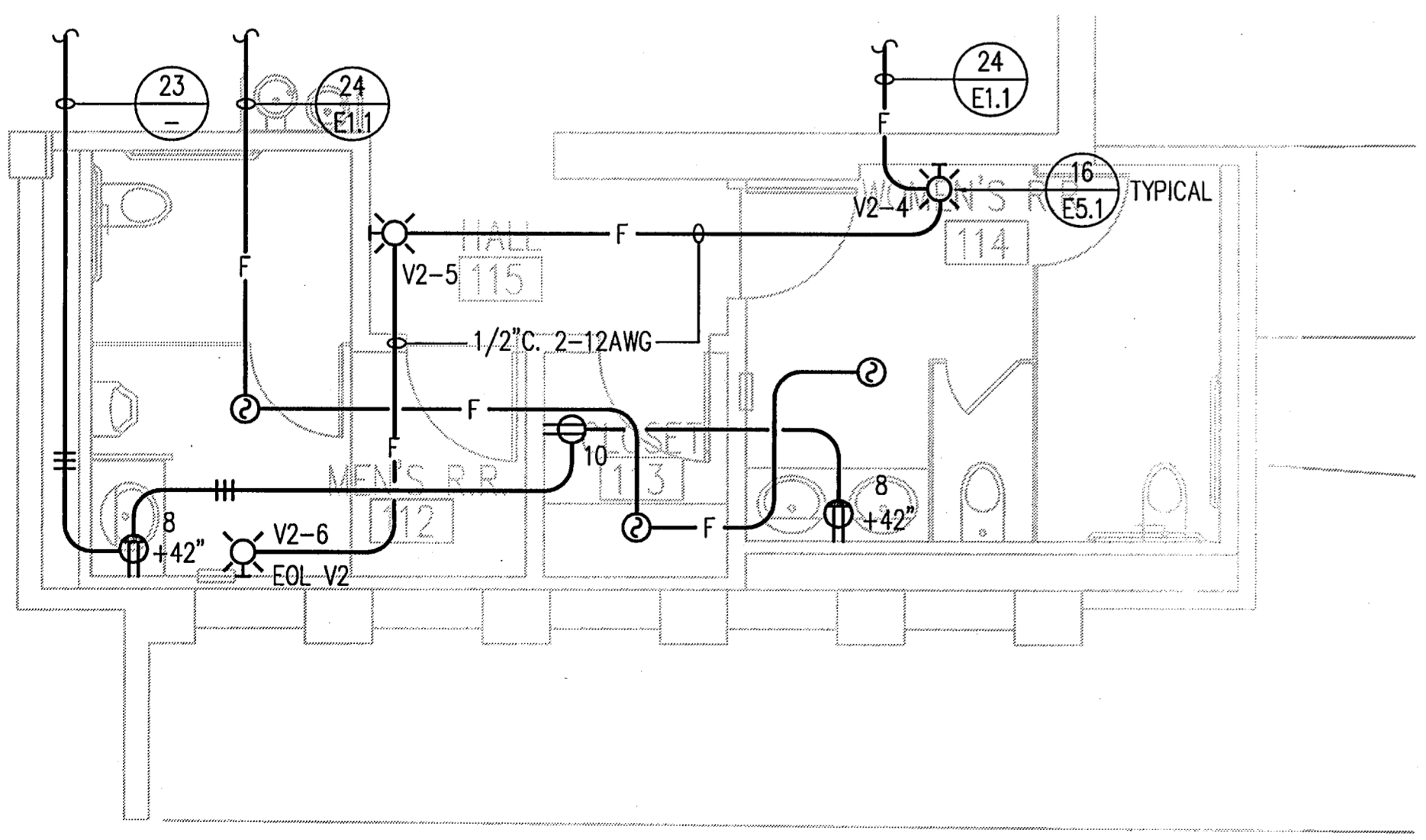
ELECTRICAL LEGEND

ITEM	DESCRIPTION
CB1	35A, 2P ENCLOSED CIRCUIT BREAKER, +60" TO CENTER OF ENCLOSURE. MAMMO #1 SHALL BE SURFACE MOUNTED. MAMMO #2 SHALL BE FLUSH MOUNTED. PROVIDE CONDUCTORS FROM CIRCUIT BREAKER TO JB1 WITH 18" NON-TERMINATED PIGTAIL. MAXIMUM LINE IMPEDANCE SHALL NOT EXCEED: 0.20 OHMS FOR 208, 220, 230, 240VAC, OR 0.16 OHMS FOR 200VAC (IEC 601-2-7, TABLE 101). GANTRY TO BE PERMANENTLY WIRED ONLY. PLUG AND RECEPTACLE ARE NOT ALLOWED FOR GANTRY POWER.
JB1	6" x 6" x 4" ELECTRICAL WALL BOX, +42". JB1 SHALL SERVE AS THE LOCATION FOR PERMANENT (HARD-WIRED) CONNECTION OF GANTRY POWER. JB1 SHALL BE SURFACE MOUNTED IN LOCATIONS WHERE CB1 IS SURFACE MOUNTED. JB1 SHALL BE FLUSH MOUNTED WITH FLUSH COVER IN LOCATIONS WHERE CB1 IS FLUSH MOUNTED.
CO1	2" DIA. GROMMETTED CUTOUT IN COVER OF WH1.
WH1	HORIZONTAL SURFACE WIREWAY, 1 3/4" x 4 3/4" WIREMOLD 4000 SERIES OR EQUAL, DIVIDED, WITH REMOVABLE COVERS, BOTTOM OF HORIZONTAL WIREWAY SHALL BE MOUNTED 12" ABOVE FINISHED FLOOR. PROVIDE FULL ACCESS TO WV1 AND WV2.
WV1, WV2	VERTICAL WIREWAY, 1 3/4" x 4 3/4" WIREMOLD 4000 SERIES OR EQUAL, DIVIDED, WITH REMOVABLE COVERS, PROVIDE FULL ACCESS TO WH1, AND CORRESPONDING FLOOR DUCT (WV1 TO FD1/WV2 TO FD2)
FD1, FD2	FLOOR MOUNTED HORIZONTAL SURFACE WIREWAY, 1 3/4" x 4 3/4" WIREMOLD 4000 SERIES OR EQUAL, DIVIDED, WITH REMOVABLE COVERS, PROVIDE FULL ACCESS TO CORRESPONDING VERTICAL WALL DUCT, PROVIDE GROMMETTED OPEN END.

11 MAMMO #1 & #2 ROOM LEGEND

SHEET NOTES

- 1 ALL WORK SHOWN IS NEW UON.
- 2 PROVIDE 1/2" CO BETWEEN DOOR ACTUATOR AND AUTOMATIC DOOR OPERATOR FOR LOW VOLTAGE DOOR CONTROL CONDUCTORS. COORDINATE J-BOX AND CONDUIT LOCATIONS WITH DOOR CONTROL SYSTEM.
- 3 REFER TO NEEDLE BIOPSY ROOM LEGEND FOR ELECTRICAL WORK IN THIS ROOM.
- 4 REFER TO MAMMO #1 & #2 ROOM LEGEND FOR ELECTRICAL WORK IN THIS ROOM.
- 5 PROVIDE 1-1/2" CO BETWEEN JB1 AND THE HORIZONTAL RACEWAY. COORDINATE RACEWAY ENTRY INTO DIVIDED RACEWAY WITH THE DIAGNOSTIC EQUIPMENT INSTALLER'S REQUIREMENTS.
- 6 3/C CABLE SHALL BE WEST PENN 234, 4/C CABLE SHALL BE WEST PENN 244. REFER TO SHEET E1.1 FOR CONTROL PANEL LOCATION. PROVIDE WALL MOUNTED WIREMOLD V700 WHITE SURFACE METAL RACEWAY FROM CEILING TO CONTROL PANEL.
- 7 REPLACE EXISTING IVORY COLORED RECEPTACLE WITH A RED COLORED RECEPTACLE.
- 8 REPLACE EXISTING RECEPTACLE WITH GFCI RECEPTACLE.
- 9 RELOCATE EXISTING SPEAKER IN RM 106 WITH A CONCEALED OUTLET BOX ABOVE THE CEILING. ROUTE A NEW 3/4" C. WITH A 2/C 16AWG CABLE TO RELOCATED SPEAKER IN CORRIDOR 104. CONNECT SPEAKER TO RELOCATED VOLUME CONTROL IN MAMMO #1 RM 103 WITH (2) 2/C 16AWG CABLES.



24 PARTIAL FIRST FLOOR SOUTH POWER & SIGNAL PLAN
 SCALE 1/4" = 1' - 0"

O.S.H.P.D. PROJECT # SL 101318-56
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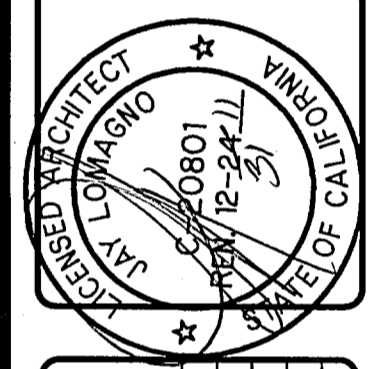
SPEC. NUMBER	CP11-05	SHEET	29	OF	31
PROJECT NUMBER	ENT11103	DRAWING NUMBER	11 36 77		

Sheet No.
E4.1

MAMMOGRAPHY ROOMS & NEEDLE BIOPSY ROOM
 VENTURA COUNTY MEDICAL CENTER
 3291 LOMA VISTA ROAD
 VENTURA, CALIFORNIA

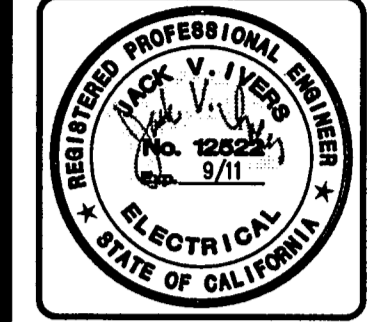
Sheet PARTIAL FIRST FLOOR POWER AND SIGNAL PLANS

Revisions	R&A No.	00043
12-29-10 OSHPD CORR	Date:	06-01-10
3-30-11 OSHPD CORR	Drawn:	
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EXISTING EMERGENCY BRANCH-CIRCUIT PANELBOARD									
FLA ①									
SERVICE: 480Y/277V S/N 3P 4W BUS: 100A		LOCATION: BLDG 304 1ST FLR ELEC RM		FEEDER: SEE ONE LINE DIAGRAM		VER: A3			
MAIN BREAKER: 100A MOUNTING: SURFACE MINIMUM AIC RATING: 14,000									
ENTER CABT AT: BOTTOM									
CIR	TRIP	TYPE	HP	VOLT AMPS A	VOLT AMPS B	VOLT AMPS C	DESCRIPTION		
1	20	1	35	1	2825		RM. 002, 004, 006, 008, 010-014, 016-018, 020-021		
2	20	1	25	1	1875		RM. 021, 023, 024, 028, 029, 032-034		
3	20	1	37	1	2480		FIRST FLOOR		
4	20	1	34	1	2075		FIRST FLOOR BLDG 305 LIGHTS		
5	20	1	31	1		2300	FIRST FLOOR		
6	20	1	45	1		3089	SECOND FLOOR		
7	20	1	13	1	1070		AMBULANCE ENTRANCE		
8	100	3		1	6122		PANEL ELC		
9	20	1		1	1000		PARKING LOT LIGHTS		
10	100	-		1	5917		PANEL ELC		
11	20	1		1	600		SPACE		
12	100	-		1	3007		SPACE		
13	20	1		1	600		SPACE		
14	20	1		1	600		ER WAITING ROOM LIGHTS		
15	20	1		1	0		SPACE		
16	20	1		1	600		ER CORRIDOR LIGHTS		
17	20	1		1	0		SPACE		
18	20	1		1	600		ER ENTRY		
19	20	1		1	0		SPACE		
20	20	1		1	0		SPACE		
21	20	1		1	0		SPACE		
22	20	1		1	0		SPACE		
23	20	1		1	0		SPACE		
24	20	1		1	0		SPACE		
25	20	1		1	0		SPACE		
26	100	3		1	0		MAIN CIRCUIT BREAKER		
27	20	1		1	0		SPACE		
28	100	-		1	0		MAIN CIRCUIT BREAKER		
29	20	1		1	0		SPACE		
30	100	-		1	0		MAIN CIRCUIT BREAKER		
CONNECTED LOAD (VA)				12492	12072	9006	33570	45 MAX. PHASE AMPS	
COMP. LOAD FACTOR (VA)				0	0	0	0		
COMPUTED LOAD (VA)				12492	12072	9006	33570	45 MAX. PHASE AMPS	
CONT. LOAD FACTOR (VA)				2973	2868	2102	7943		
CONDUCTOR LOAD (VA)				15463	14940	11108	41513	56 MAX. PHASE AMPS	

① LOAD REDUCED

22 PANEL ELA SCHEDULE

EXISTING EQUIPMENT BRANCH-CIRCUIT PANELBOARD									
Y2									
SERVICE: 208Y/120V S/N 3P 4W BUS: 225A		LOCATION: 305 1ST FLR CORRIDOR		FEEDER: SEE ONE LINE DIAGRAM		VER: A4			
MAIN BREAKER: MAIN LUGS MOUNTING: FLUSH MINIMUM AIC RATING: 10,000									
ENTER CABT AT: TOP									
CIR	TRIP	TYPE	HP	VOLT AMPS A	VOLT AMPS B	VOLT AMPS C	DESCRIPTION		
1	20	1	1/2	3	1176		FF-3		
2	50	3		0			SPACE		
3	20	3		3	1273		FF-2		
4	50	3		0			SPACE		
5	20	1		3	1273		FF-2		
6	50	3		0			SPACE		
7	20	1		3	1273		FF-2		
8	20	1		3	360		ROOMS 112, 114		
9	20	1		0			SPACE		
10	20	1		180			ROOM 113		
11	20	1		0			SPACE		
12	20	1		500			ROOM 104 DOOR OPERATORS		
13	20	1		0			SPACE		
14	20	1		0			SPACE		
15	20	1		0			SPACE		
16	20	1		0			SPACE		
17	20	1		0			SPACE		
18	20	1		0			SPACE		
19	20	1		0			SPACE		
20	20	1		0			SPACE		
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25	20	1		0			SPACE		
26	20	1		0			SPACE		
27	20	1		0			SPACE		
28	20	1		0			SPACE		
29	20	1		0			SPACE		
30	20	1		0			SPACE		
CONNECTED LOAD (VA)				2809	1453	1773	6035	23 MAX. PHASE AMPS	
COMP. LOAD FACTOR (VA)				0	0	0	0		
COMPUTED LOAD (VA)				2809	1453	1773	6035	23 MAX. PHASE AMPS	
CONT. LOAD FACTOR (VA)				318	318	318	955		
CONDUCTOR LOAD (VA)				3127	1771	2091	6990	26 MAX. PHASE AMPS	

① PROVIDE 20A 1P CB IN EXISTING SPACE FOR NEW LOAD.

23 PANEL Y2 SCHEDULE

EXISTING EMERGENCY BRANCH-CIRCUIT PANELBOARD									
A1 ①									
SERVICE: 208Y/120V S/N 3P 4W BUS: 100A		LOCATION: 1ST FLOOR MAMMO (RM 103)		FEEDER: SEE ONE LINE DIAGRAM		VER: A4			
MAIN BREAKER: MAIN LUGS MOUNTING: RECESSED MINIMUM AIC RATING: 10,000									
ENTER CABT AT: BOTTOM									
CIR	TRIP	TYPE	HP	VOLT AMPS A	VOLT AMPS B	VOLT AMPS C	DESCRIPTION		
1	40	2		8	1625		ROOM 103 MAMMO #1 X-RAY		
2	20	1		8	500		ROOM 106 DSM CART		
3	40	1		8	1625		ROOM 103 MAMMO #1 X-RAY		
4	20	1	2	2	360		ROOM 108,109		
5	40	2		8	1750		ROOM 106 NEEDLE BIOPSY		
6	20	1	1	2	960		ROOM 103 CONSOLE		
7	40	1		8	1750		ROOM 106 NEEDLE BIOPSY		
8	20	1	1	2	960		ROOM 102 CONSOLE		
9	40	2		8	1625		ROOM 102 MAMMO #2 X-RAY		
10	20	1	4	2	720		ROOMS 102,103		
11	40	2		8	1625		ROOM 102 MAMMO #2 X-RAY		
12	20	1		2			SPARE		
CONNECTED LOAD (VA)				4835	4330	4335	13500	40 MAX. PHASE AMPS	
COMP. LOAD FACTOR (VA)				-813	-813	-813	-2438		
COMPUTED LOAD (VA)				4023	3518	3523	11063	34 MAX. PHASE AMPS	
CONT. LOAD FACTOR (VA)				0	0	0	0		
CONDUCTOR LOAD (VA)				4023	3518	3523	11063	34 MAX. PHASE AMPS	

① REPLACE EXISTING BRANCH-CIRCUIT BREAKERS WITH NEW BREAKERS.

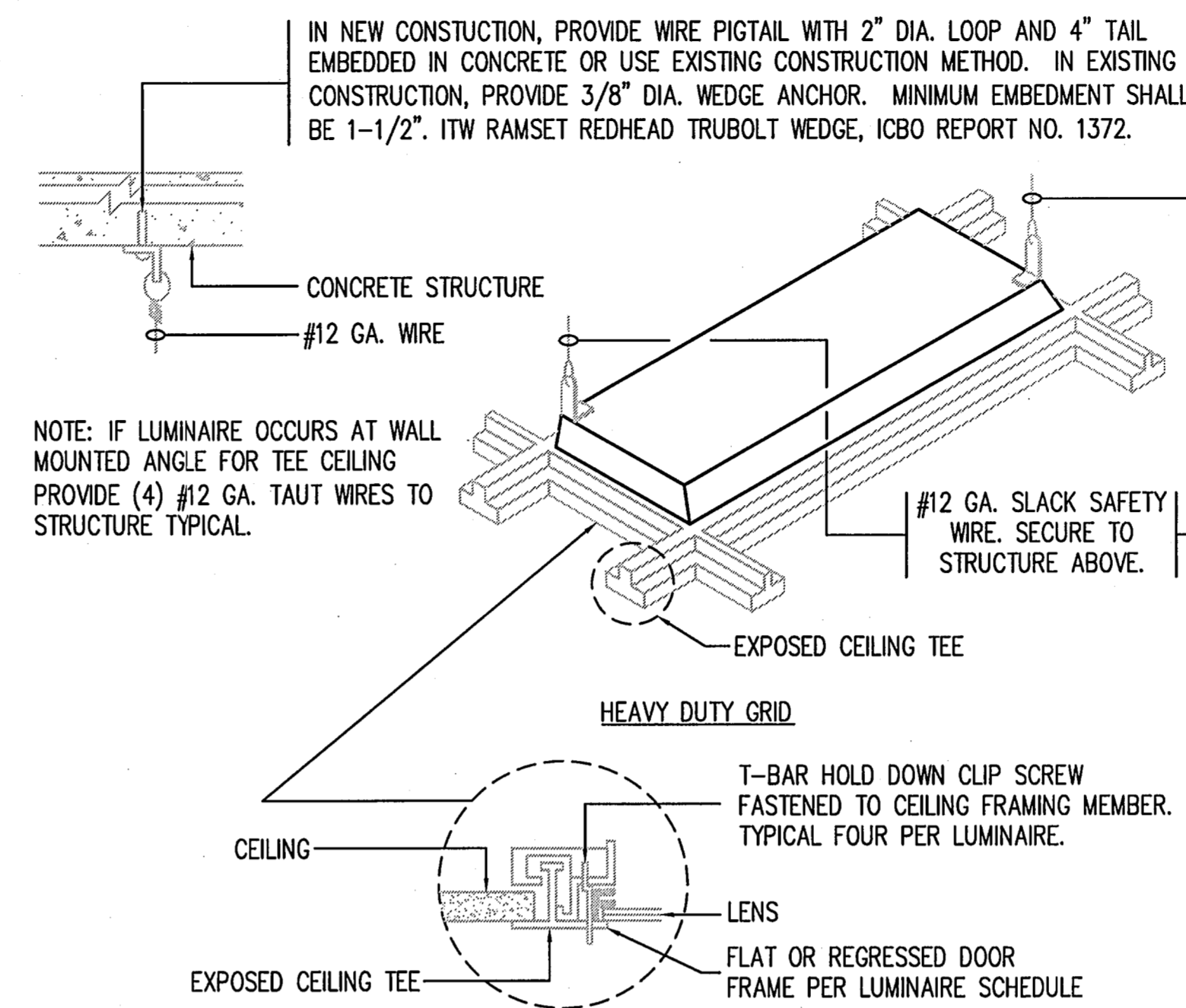
18 PANEL A1 SCHEDULE

EXISTING BRANCH-CIRCUIT PANELBOARD									
LA ①									
SERVICE: 480Y/277V S/N 3P 4W BUS: 225A		LOCATION: BLDG 304 1ST FLR ELEC RM		FEEDER: SEE ONE LINE DIAGRAM		VER: A4			
MAIN BREAKER: MAIN LUGS MOUNTING: FLUSH MINIMUM AIC RATING: 14,000									
ENTER CABT AT: BOTTOM									
CIR	TRIP	TYPE	HP	VOLT AMPS A	VOLT AMPS B	VOLT AMPS C	DESCRIPTION		
1	20	1	25	1	3280		305 BASEMENT		
2	20	1	29	1	2800		304 BASEMENT		
3	20	1	34	1	3440		305 BASEMENT		
4	20	1	30	1	3180		304 FIRST FLOOR		
5	20	1	36	1		3021	305 FIRST FLOOR (1)		
6	20	1	44	1		2865	304 FIRST FLOOR		
7	20	1	28	1	3040		305 FIRST FLOOR (2)		
8	20	1	30	1	2100		ENTRANCE FIRST FLOOR		
9	20	1	17	1		2025	ROOMS 208,210-214		
10	20	1		1	0		SPARE		
11	20	1	25	1		2475	ROOMS 205, 207, 252, 263, 264		
12	20	1		1	0		SPARE		
13	20	1	31	1	2195		ROOMS 221,222,235, 237-239, 241, 242, 244,245,247-249,250		
14	100	3		1	7555		PANEL LC		
15	20	1		1	0		SPACE		
16	100	-		1	5725		PANEL LC		
17	20	1		1	0		SPACE		
18	100	-		1	5120		PANEL LC		
19	20	1		1	0		SPACE		
20	15	3		1	750		AIR HANDLER AH-2		
21	20	1		1	0		SPACE		
22	15	-		1	750		AIR HANDLER AH-2		
23	20	1		1	0		SPACE		
24	15	-		1	750		AIR HANDLER AH-2		
25	20	1		1	0		SPACE		
26	20	1		1	0		SPACE		
27	20	1		1	0		SPACE		
28	20	1		1	0		SPACE		
29	20	1		1	0		SPACE		
30	20	1		1	0		SPACE		
31	20	1		1	0		SPACE		
32	20	1		1	0		SPACE		
33	20	1		1	0		SPACE		
34	20	1		1	0		SPACE		
35	20	1		1	0		SPACE		
36	20	1		1	0		SPACE		
37	15	3		1	750		AIR HANDLER AH-1		
38	20	3		1	13500		HEAT PUMP NUCLEAR MEDICINE ADMITTING		
39	15	-		1	750		AIR HANDLER AH-1		
40	20	-		1	13500		HEAT PUMP NUCLEAR MEDICINE ADMITTING		
41	15	-		1	750		AIR HANDLER AH-1		
42	20	-		1	13500		HEAT PUMP NUCLEAR MEDICINE ADMITTING		
CONNECTED LOAD (VA)				35970	28370	28481	93821	130 MAX. PHASE AMPS	
COMP. LOAD FACTOR (VA)				0	0	0	0		
COMPUTED LOAD (VA)				35970	28370	28481	93821	130 MAX. PHASE AMPS	
CONT. LOAD FACTOR (VA)				5243	3593	3370	12205		
CONDUCTOR LOAD (VA)				41213	32963	31851	106026	149 MAX. PHASE AMPS	

① LOAD REDUCED

② LOAD UNCHANGED

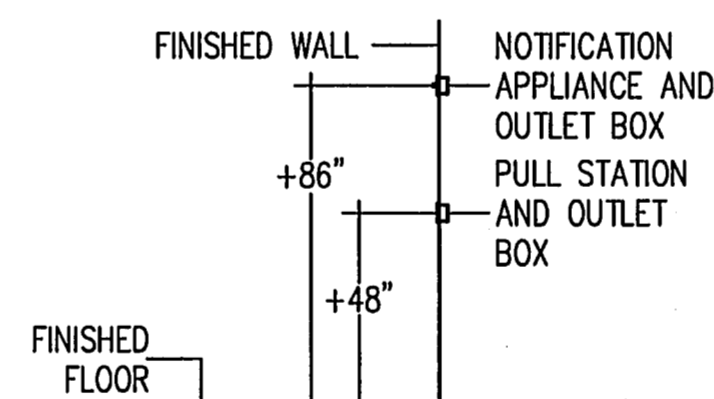
19 PANEL LA SCHEDULE



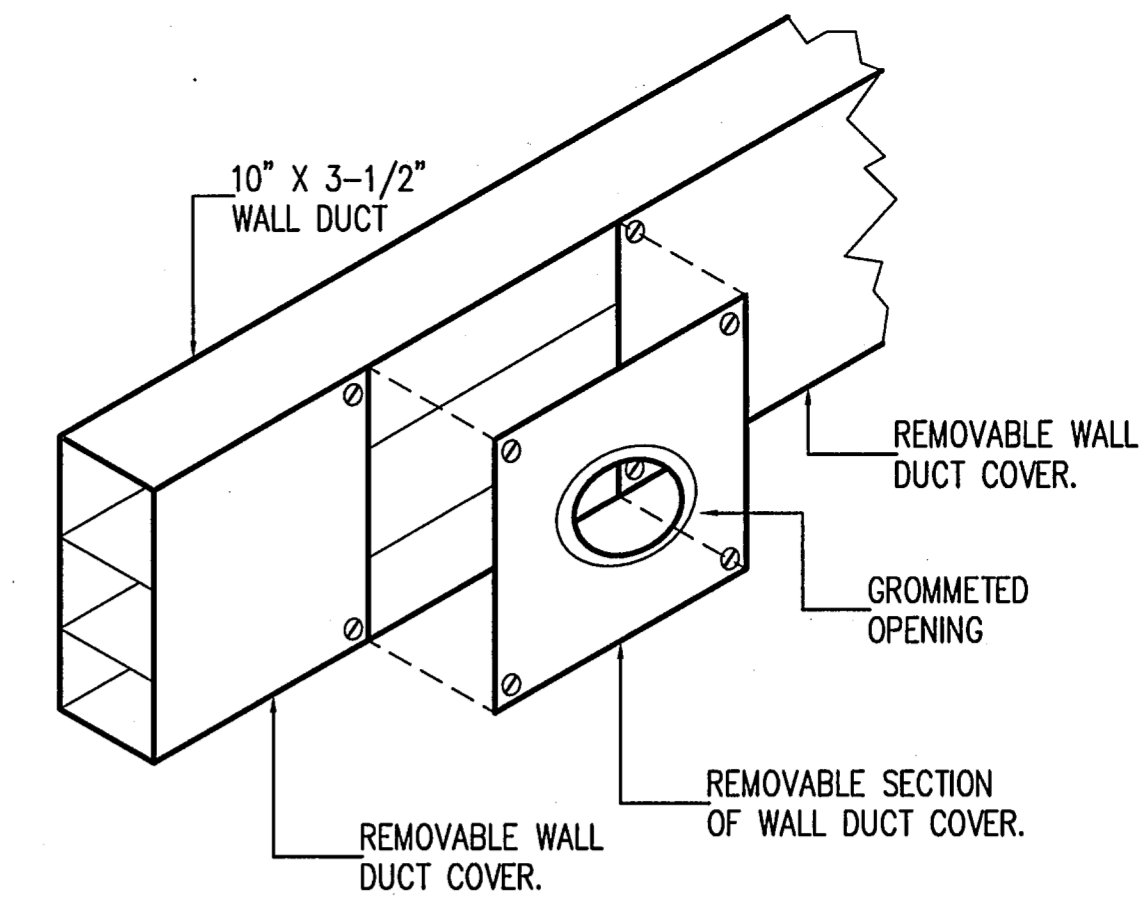
14 TYPICAL SAFETY SUPPORT FOR RECESSED LUMINAIRE

NTS

15 NOTIFICATION APPLIANCE AND PULL STATION ELEVATION

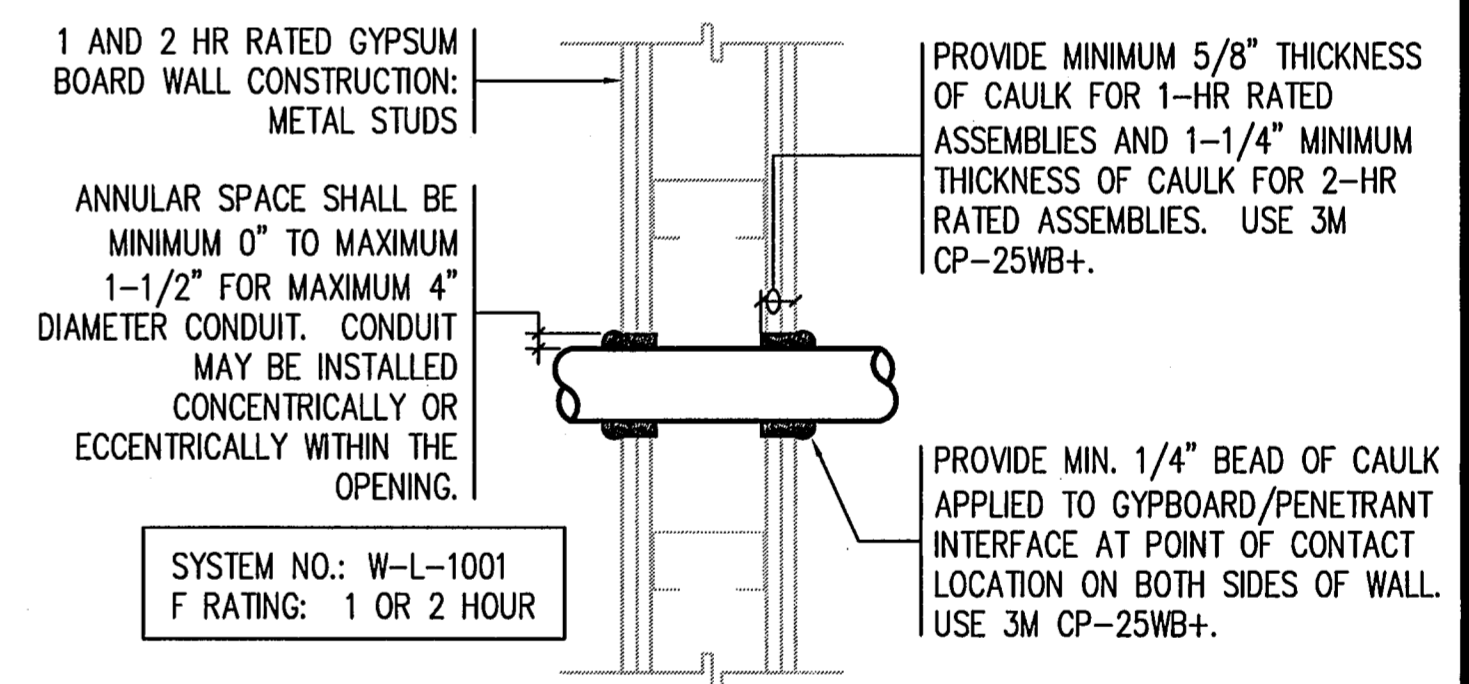


15 NOTIFICATION APPLIANCE AND PULL STATION ELEVATION



6 WALL DUCT OPENING

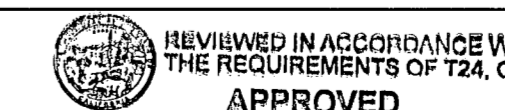
NTS



7 GYPBOARD WALL PENETRATION FIRESTOP

NTS

O.S.H.P.D. PROJECT # SL 101318-56



APR 05 2011

Office of Statewide Health Planning & Development FACILITIES DEVELOPMENT DIVISION

COUNTY OF VENTURA
PUBLIC WORKS AGENCY
ENGINEERING SERVICES DEPARTMENT

PROJECT MANAGER

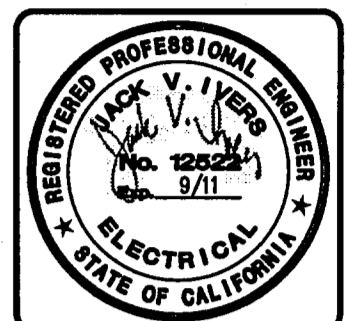
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PROJECT NUMBER
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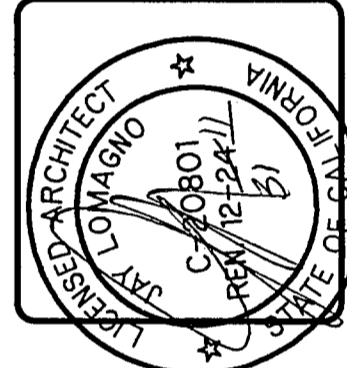
SHEET
30

DRAWING NUMBER
11357B

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FOR PLAN REVIEW ONLY



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Date:</	

