

SUPERIOR COURT OF CALIFORNIA  
COUNTY OF SAN JOAQUIN

MANTECA BRANCH  
SITE AND BUILDING IMPROVEMENTS

PHASE 1 & PHASE 2 STAGING PLAN

OCCM PROJECT NUMBER FY 39-09  
CSFM FILE NUMBER: 01-39-11-0065

STAGING PLAN KEYNOTES

STAGE 1 - DEMOLITION, NEW HOLDING CELL CONSTRUCTION

1. REMOVE EXISTING MODULAR BUILDING, STEPS AND RAMP.
2. DEMOLISH EXISTING CHAIN LINK SALLYPORT AND ROOF ABOVE PER PHASE 1 DEMOLITION PLANS.
3. BUILD PHASE 1 HOLDING CELL ADDITION.
4. ROUGH IN SPRINKLERS AND COMPLETE STREET CONNECTION.

STAGE 2 - DEMOLITION, NEW COURT SET CONSTRUCTION

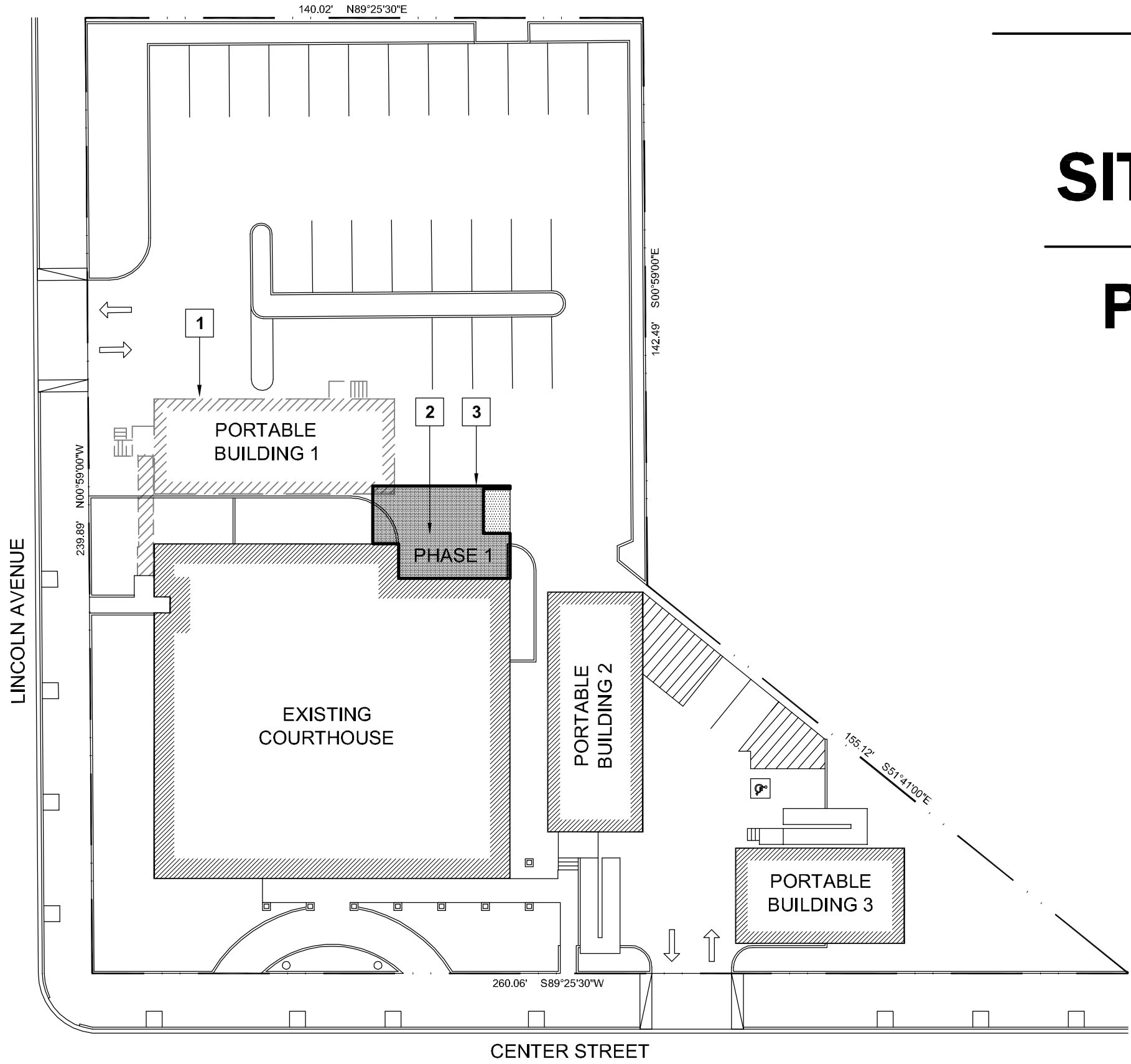
1. DEMOLISH NORTH PARKING LOT PER PHASE 2 SITE DEMOLITION PLANS. COMPLETE NORTH PARKING LOT SITE IMPROVEMENTS.
2. BUILD PHASE 2 COURT SET ADDITION.
3. BUILD PHASE 2 ACCESSIBLE EXIT RAMP AND STAIRS FROM PUBLIC LOBBY.
4. REPLACE PORTION OF PUBLIC SIDEWALK PER CIVIL DRAWINGS.
5. BUILD NEW DRIVEWAY APRON TO NORTH PARKING LOT.
6. TIE IN AND ROUTE SPRINKLERS THROUGHOUT PHASE 2. STUB NEW SYSTEM TO EXISTING COURTHOUSE.

STAGE 3 - MAIN ENTRY ADDITION

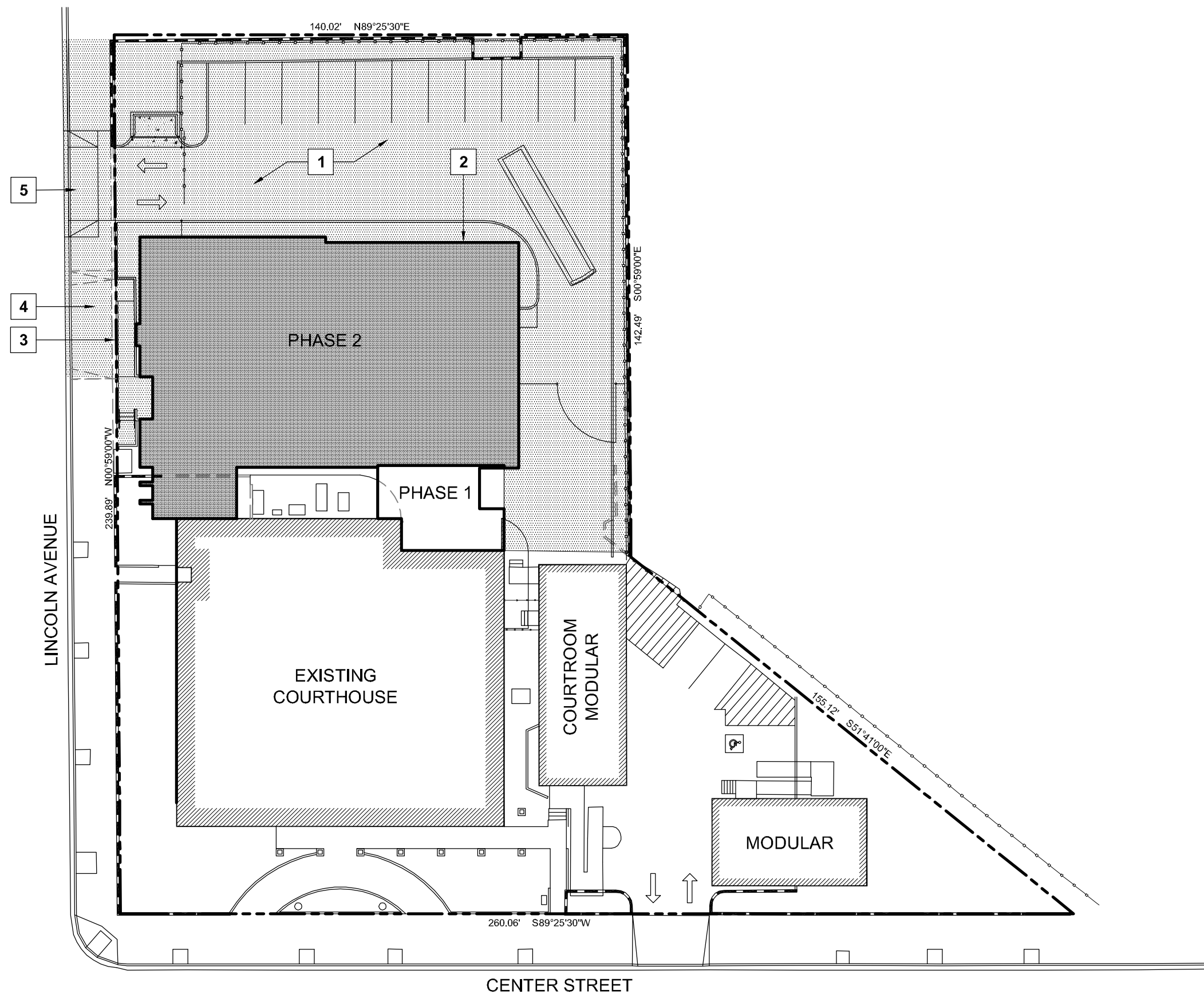
1. PERFORM NECESSARY DEMOLITION FOR LOBBY ADDITION PER PHASE 1 DEMOLITION PLANS.
2. BUILD PHASE 1 LOBBY ADDITION.
3. BUILD STAIR, RAMP AND SIGN WALL AT MAIN ENTRY PER PHASE 1 DRAWINGS.
4. BUILD WEST HALLWAY TO CONNECT PHASE 1 AND 2.
5. COMPLETE SPRINKLER SYSTEM IN EXISTING COURTHOUSE.

STAGE 4 - SITE IMPROVEMENTS

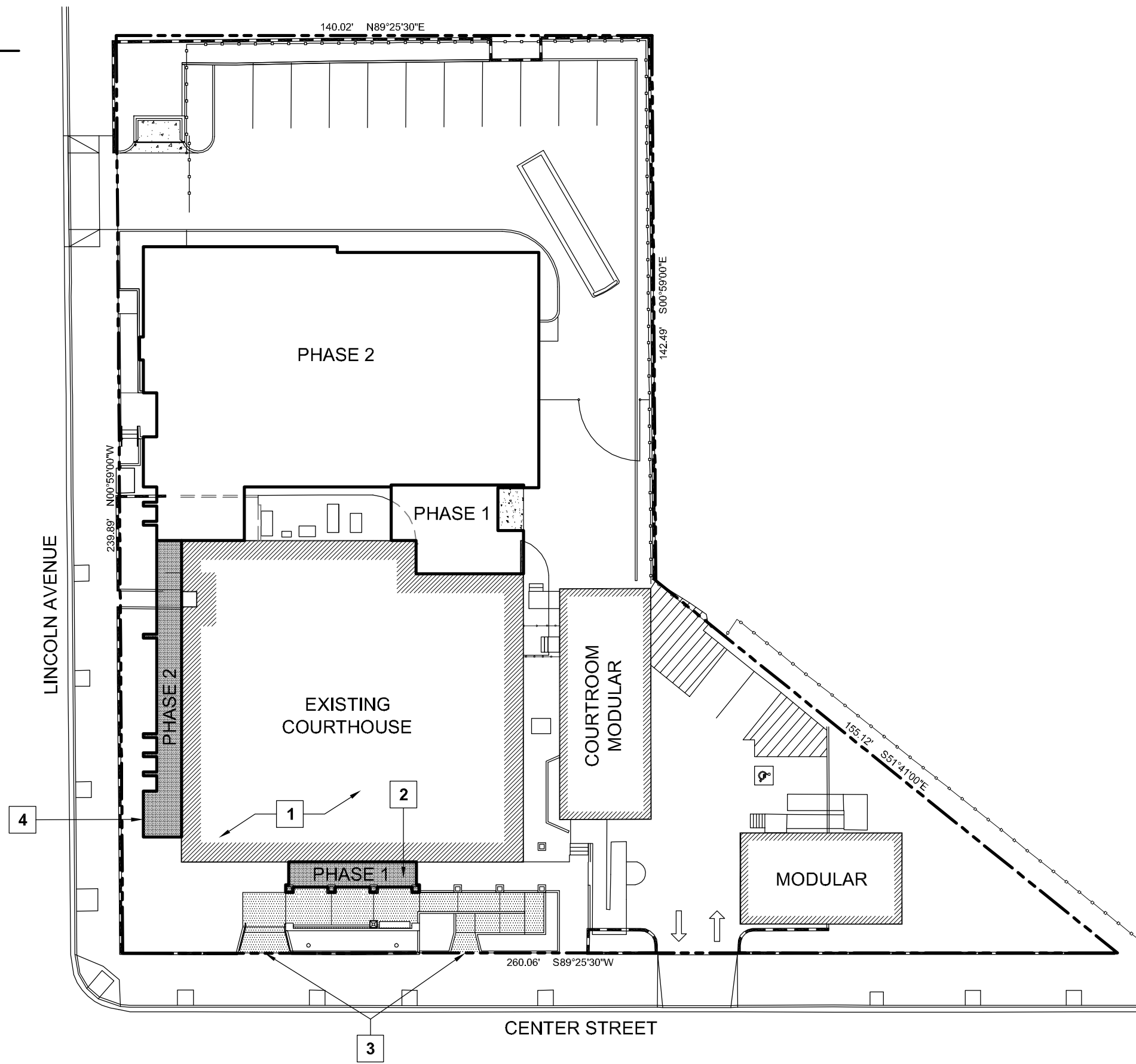
1. REMOVE REMAINING 2 MODULAR BUILDINGS.
2. DEMOLISH SOUTH PARKING LOT PER PHASE 2 SITE DEMOLITION PLANS. COMPLETE SOUTH PARKING LOT SITE IMPROVEMENTS.
3. REPLACE PORTIONS OF PUBLIC SIDEWALK PER CIVIL DRAWINGS.
4. BUILD NEW DRIVEWAY APRON TO SOUTH PARKING LOT.



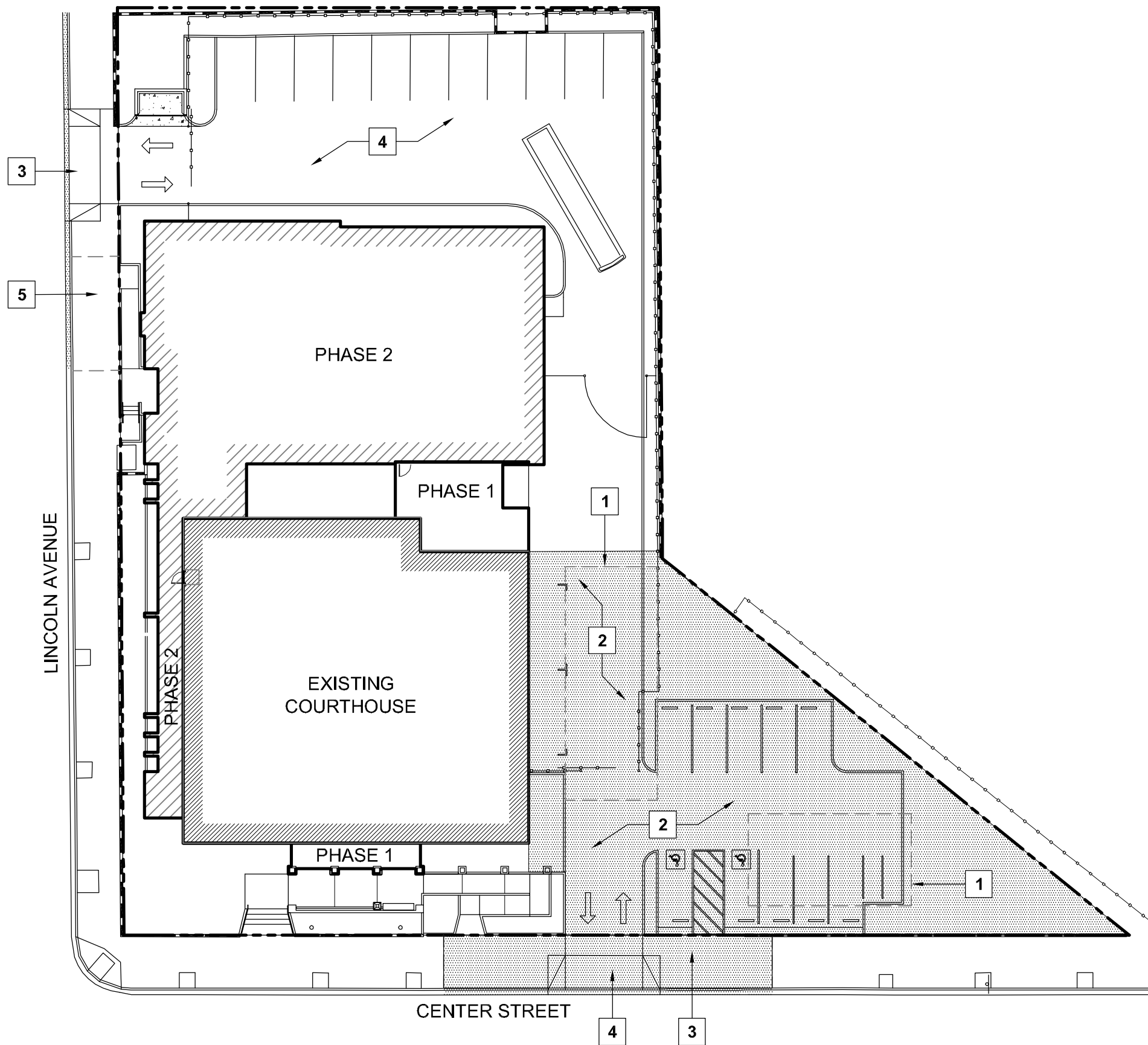
STAGE 1 - PHASE 1 HOLDING CELL ADDITION  
SCALE: 1" = 30'-0"



STAGE 2 - PHASE 2 COURT SET ADDITION  
SCALE: 1" = 30'-0"



STAGE 3 - MAIN ENTRY ADDITION  
SCALE: 1" = 30'-0"



STAGE 4 - SITE IMPROVEMENTS  
SCALE: 1" = 30'-0"

PROJECT

SUPERIOR COURT  
OF CALIFORNIA  
COUNTY OF SAN JOAQUIN

MANTECA BRANCH  
SITE AND BUILDING  
IMPROVEMENTS

PHASE 1

CLIENT JOB # ARCHITECT JOB #  
1007

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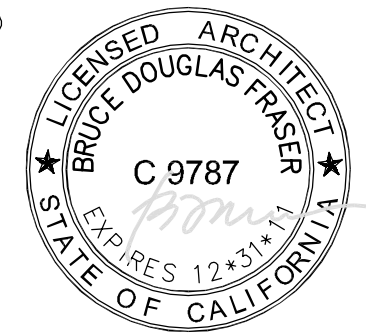
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PROJECT MANAGER BDF

DRAWN BY DL

DATES 05/05/11  
06/20/11  
09/01/11

SIGNED



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SHEET TITLE

PHASE 1 AND  
PHASE 2  
STAGING PLAN

SHEET #

0

\\John\Manteca Courthouse 1007\Drawings\Sheets\Phase 1\T.1 - Title Sheet.dwg, 8/26/2011 1:58:21 PM, PDF995

# SUPERIOR COURT OF CALIFORNIA

## COUNTY OF SAN JOAQUIN

# MANTECA BRANCH

## SITE AND BUILDING IMPROVEMENTS

## PHASE 1

OCCM PROJECT NUMBER FY 39-09  
CSFM FILE NUMBER: 01-39-11-0065

### GENERAL NOTES

- ALL WORK SHALL COMPLY WITH THE MINIMUM STANDARDS OF THE FOLLOWING CODES:
    - 2010 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.
    - 2010 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R. (2009) INTERNATIONAL BUILDING CODE AND 2010 CALIFORNIA AMENDMENTS)
    - 2010 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R. (2008 NATIONAL ELECTRICAL CODE AND 2010 CALIFORNIA AMENDMENTS)
    - 2010 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 C.C.R. (2009 UNIFORM MECHANICAL CODE AND 2010 CALIFORNIA AMENDMENTS)
    - 2010 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R. (2009 UNIFORM PLUMBING CODE AND 2010 CALIFORNIA AMENDMENTS)
    - 2010 CALIFORNIA FIRE CODE, PART 9, TITLE 23 C.C.R. (2009 INTERNATIONAL FIRE CODE AND 2010 CALIFORNIA AMENDMENTS)
    - 2010 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 C.C.R.
    - 2010 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.
    - TITLE 19 C.C.R. PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.
  - NFPA 13 AUTOMATIC SPRINKLER SYSTEMS w/ CA AMENDMENTS 2010 EDITION
  - NFPA 14 STANDPIPE SYSTEMS w/ CA AMENDMENTS 2007 EDITION
  - NFPA 17a WET CHEMICAL SYSTEMS 2002 EDITION
  - NFPA 20 STATIONARY PUMPS 2007 EDITION
  - NFPA 24 PRIVATE FIRE MAINS w/ CA AMENDMENTS 2010 EDITION
  - NFPA 72 NATIONAL FIRE ALARM CODE w/ CA AMENDMENTS 2010 EDITION
  - NFPA 2001 CLEAN AGENT FIRE EXTINGUISHING SYSTEMS w/ CA AMENDMENTS 2008 EDITION
  - REFERENCE CODE SECTION FOR NFPA STANDARDS ARE IN 2010 CBC CHAPTER 35 OR 2010 CFC CHAPTER 47. SEE CHAPTER 35 FOR STATE OF CALIFORNIA AMENDMENTS TO NFPA STANDARDS.
  - ALL ACCUMULATIVE SUPPLEMENTS TO THE ABOVE CODES
  - ALL APPLICABLE STANDARDS, ORDINANCES AND REGULATIONS OF THE AGENCIES WITH JURISDICTION OVER THE WORK
- THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS FOR DIMENSION, GRADE, CONFIGURATION, AND OTHER ASPECTS OF COMPATIBILITY WITH THE WORK DESCRIBED IN THESE CONSTRUCTION DOCUMENTS. ANY CONDITIONS WHICH INTERFERE WITH THE WORK SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE WORK SHALL NOT PROCEED IN THE AREAS OF CONFLICT UNTIL SUCH CONFLICTS HAVE BEEN RESOLVED.
  - THE DESIGN PRECLUDES THE USE OR STORAGE OF HAZARDOUS MATERIALS IN EXCESS OF THE QUANTITIES LISTED IN UBC TABLE 3D AND 3E.
  - WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER DRAWING SCALE OR PROPORTION.
  - THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF A COMPLETE FIRE SUPPRESSION SYSTEM IN ALL AREAS; TO MEET THE STANDARDS OF NFPA NFPA 13 2010 FOR COMMON AREAS AND STATE FIRE MARSHAL POLICIES. A SEPARATE FIRE SPRINKLER PERMIT AND PLAN APPROVAL SHALL BE OBTAINED FROM THE STATE FIRE MARSHAL PRIOR TO INSTALLATION OF THE FIRE SPRINKLER SYSTEM. SPRINKLER HEAD PLACEMENT SHALL ONLY BE AS APPROVED BY THE ARCHITECT AND THE SAN JOAQUIN COUNTY FIRE DEPARTMENT.
  - THE FIRE SPRINKLER SYSTEM SHALL BE SUPERVISED FOR WATER FLOW AND TAMPER BY AN APPROVED CENTRAL, PROPRIETARY OR REMOTE STATION SERVICE, AND SHALL BE PROVIDED WITH LOCAL ALARMS WHICH WILL ISSUE AN AUDIBLE SIGNAL AT A CONSTANTLY ATTENDED LOCATION. ALL WORK SHALL BE DONE BY A CALIFORNIA LICENSED ALARM CONTRACTOR.
  - FIRE EXTINGUISHERS SHALL TYPE 2A10BC AND SHALL BE LOCATED AS APPROVED BY THE STATE FIRE MARSHAL, NO MORE THAN 60 INCHES AND NO LESS THAN 4 INCHES ABOVE THE FINISHED FLOOR, AND AT AN INTERVAL OF NO FURTHER THAN 75 FEET OF TRAVEL.
  - ENCROACHMENT PERMITS SHALL BE OBTAINED FROM THE MANTECA PUBLIC WORKS DEPARTMENT FOR ANY CONSTRUCTION ACTIVITIES WITHIN THE PUBLIC RIGHT-OF-WAY, BARRICADES, SIGNAGE, AND PROTECTIVE DEVICES SHALL BE AS REQUIRED BY THE CITY.
  - A COMPLETE AND OPERABLE FIRE ALARM SYSTEM SHALL BE PROVIDED, INCLUDING BUT NOT LIMITED TO SMOKE AND/OR HEAT DETECTORS, MANUAL PULL STATIONS, FIRE ALARM CONTROL PANE, GRAPHIC ANNUNCIATOR, FIRE SUPPRESSION SPRINKLER SYSTEM CONNECTIONS, AUDIBLE AND VISUAL ALARM DEVICES, WIRING, ACCESSORIES, AND CONNECTION TO BUILDING POWER. ALL COMPONENTS SHALL COMPLY WITH STATE FIRE MARSHAL AND NFPA 72 (2010 EDITION) REQUIREMENTS, AND BE U.L.APPROVED.

### DIRECTORY

#### OWNER:

SUPERIOR COURT OF CALIFORNIA  
JUDICIAL COUNCIL OF CALIFORNIA,  
ADMINISTRATIVE OFFICE OF THE COURTS  
OFFICE OF COURTS CONSTRUCTION  
AND MANAGEMENT  
2860 GATEWAY OAKS DRIVE  
SACRAMENTO, CA 95833  
T: 916-643-8009 F: 916-263-2342  
www.courtinfo.ca.gov

#### CONTRACTOR:

CHAMBLIN-LANDES CONSTRUCTION INC.  
1345 RIVERSIDE AVENUE  
PASO ROBLES, CA 93446  
T: 805-239-0490 F: 805-239-0797  
mlandes@chamblin-landes.com

#### ARCHITECT:

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SAN LUIS OBISPO, CA 93401  
T: 805-544-6161 F: 805-544-6183  
bruce@fraserseiplearchitects.com

#### STRUCTURAL ENGINEER:

LAMPMAN & SMITH  
805 AEROVISTA PLACE, SUITE 204  
SAN LUIS OBISPO, CA 93401  
T: 805-544-9173 F: 805-543-2830  
mep@lampsmith.com

#### MECHANICAL ENGINEER:

JVA MECHANICAL ENGINEERING  
979 OSOS STREET  
SAN LUIS OBISPO, CA 93401  
T: 805-543-3190 F: 805-543-3165  
tyler@jvamech.com

#### CIVIL ENGINEER:

KEITH V. CROWE, P.E.  
P.O. BOX 832  
ATASCADERO, CA 93423  
T: 805-464-0975 F: 805-464-0978  
kwcrowe@charter.net

### PROJECT DATA

SEE SHEET T.5 FOR BUILDING ANALYSIS DATA. SEE SHEET T.1 FOR DEFERRED APPROVAL ITEMS AND FIRE SAFETY REQUIREMENTS.

#### SCOPE OF WORK:

Demolition of public ramp, sally port, and interior walls. Relocation of modular office building. Remodel of public lobby and installation of storefront infill to increase lobby floor area by 215 s.f. Addition of 664 s.f. including (3) holding cells and a secure sally port entrance.

#### ADDRESS:

315 E Center St. Manteca, CA 95336

#### APN:

223-093-020

#### SITE AREA:

39,435 S.F.

#### EXISTING BUILDING AREA:

7,188 S.F.

#### AREA OF REMODELING IN EXISTING BUILDING:

989 S.F.

#### AREA OF ADDITIONS TO EXISTING BUILDING:

882 S.F.

#### CBC CONSTRUCTION TYPE:

TYPE V A

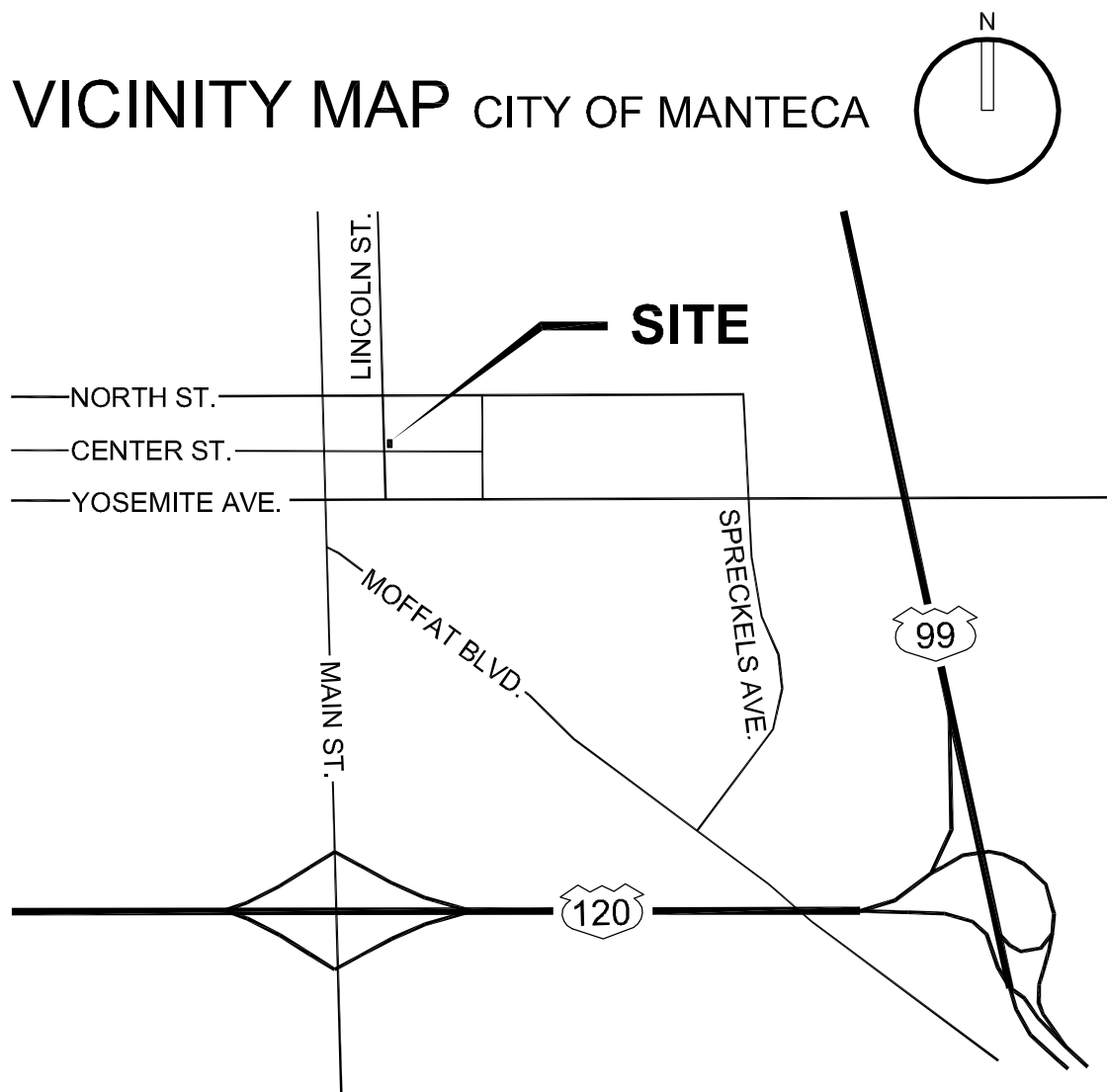
#### CBC OCCUPANCY:

B (OFFICE), A-3 (ASSEMBLY), I-3 (HOLDING)

#### CBC OCCUPANT LOAD:

(E) COURTROOM (ACTUAL):	106
(E) HOLDING CELLS (ACTUAL):	45
(E) OFFICE, SUPPORT:	45
(N) LOBBY ADDITION:	3
(N) HOLDING CELLS (ACTUAL):	25
TOTAL:	224

### VICINITY MAP CITY OF MANTECA



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E2.2	ELECTRICAL POWER FLOOR PLAN
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#### PROJECT

SUPERIOR COURT  
OF CALIFORNIA  
COUNTY OF SAN JOAQUIN

MANTECA BRANCH  
SITE AND BUILDING  
IMPROVEMENTS

PHASE 1

CLIENT JOB # ARCHITECT JOB #  
1007

FRASER  
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SAN LUIS OBISPO  
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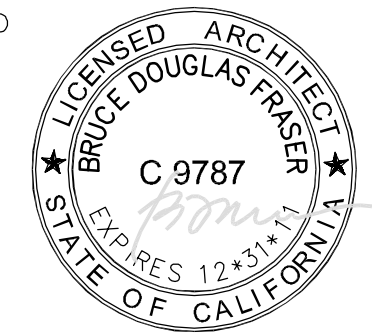
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PROJECT MANAGER BDF

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DATES 05/05/11  
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SHEET TITLE

TITLE SHEET

SHEET #

T.0



	FOUND OR NUMBER AND
A	AIR
A.B	ANCHOR BOLT
A.D.	AREA DRAIN
A/C	AIR CONDITIONING
A.C.T.	ACOUSTICAL CEILING TILE
A.C.	ABOVE FINISHED COUNTER
A.F.F.	ABOVE FINISHED FLOOR
A.F.G.	ABOVE FINISHED GRADE
A.F.S.	ABOVE FINISHED SLAB
ACC.	ACCESSIBLE
ACOUS.	ACOUS.
ACOUS. INSUL.	ACOUSTICAL INSULATION
ACOUS. PNL.	ACOUSTICAL PANEL
ACS. DR.	ACCESS DOOR
ACS. FLR.	ACCESS FLOOR
ACS. PNL.	ACCESS PANEL
ADJ.	ADJUSTABLE
ALT.	ALTERNATE
ALUM.	ALUMINUM
ANR	ANCHOR
ARCH.	ARCHITECTURAL
ASPH.	ASPHALT
ATCH.	ATTACHMENT
AUTO.	AUTOMATIC
AV	AUDIOVISUAL
B.O.	BOTTOM OF
B.O.S.	BOTTOM OF STEEL
B.P.	BUILDING PAPER
B.S.	BOTH SIDES
B.U.R.	BUILT-UP ROOFING
BD.	BOARD
BTU/HR.	BTUNUMOUS
BKG.	BACKING
BLDG.	BUILDING
BLK.	BLOCK
BLKG.	BLOCKING
BLST.	BALLAST
BM.	BEAM
BRCCG.	BRACING
BRZ.	BRONZE
C.	CHANNEL
C.B.	CATCH BASIN
C.B.BD.	CEMENTITIOUS BACKER BOARD
C.C.TV.	CLOSED CIRCUIT TELEVISION
C.F.	CONTRACTOR FURNISHED
C.G.	CORNER GUARD
C.H.	COAT HOOK
C.I.	CAST IRON
C.J.	CONTROL JOINT
C.L.	CENTER LINE
C.M.U.	CONCRETE MASONRY UNIT
C.O.	CASED OPENING
CO2	CARBON DIOXIDE
C.R.	CHAIR RAIL
C.T.	CERAMIC TILE
CAB.	CABINET
C.C.	CENTER TO CENTER
CEM.	CEMENT
CEM. PLAS.	CEMENT PLASTER
CEM. PLAS. CLG.	CEMENT PLASTER CEILING
CHBD.	CHALKBOARD
CHCR.	CHICAR
CLDG.	CLADDING
CLG.	CEILING
CLG. HT.	CEILING HEIGHT
CLO.	CLOSET
CLR.	CLEAR
CNTR.	COUNTER
COL.	COLUMN
CONC.	CONCRETE
CONC. FLR.	CONCRETE FLOOR
CONC. OPNG.	CONCRETE OPENING
CONF.	CONFERENCE
CONN.	CONNECTION
CONT.	CONTINUOUS
CORR.	CORRIDOR
CPT.	CARPET
CTR.	CENTER
D.	DEEP
D.F.	DRINKING FOUNTAIN
D.P.	DRAINERY TRACK
D.W.	DISH WASHER
DBL.	DOUBLE
DEMO.	DEMOLITION
DEPT.	DEPARTMENT
DET.	DETAIL
DIA.	DIAMETER
DIAG.	DIAGONAL
DIM.	DIMENSION
DISP.	DISPENSER
DMPF.	DAMP PROOFING
DN.	DOWN
DR.	DOOR
DS.	DOWNSPOUT
DWG.	DRAWING
DWR.	DRAWER
(E)	EXISTING
EAST.	EAST
E.H.D.	ELECTRICAL HAND DRYER
E.I.F.S.	EXTERIOR INSULATION AND FINISH SYSTEM
E.J.	EXPANSION JOINT
E.P.	ELECTRICAL PANELBOARD
E.S.	ELASTOMERIC
E.W.C.	ELECTRICAL WATER COOLER
EA.	EACH
EL.	ELEVATION
ELAST.	ELASTOMERIC
ELEC.	ELECTRICAL
ELEV.	ELEVATOR OR ELEVATION
EMER.	EMERGENCY
ENCL.	ENCLOSURE

GRID LINES		
BUILDING SECTION		SECTION IDENTIFICATION SHEET WHERE SECTION IS DRAWN
WALL SECTION		SECTION IDENTIFICATION SHEET WHERE SECTION IS DRAWN
ELEVATION		ELEVATION IDENTIFICATION SHEET WHERE ELEVATION IS DRAWN
INTERIOR ELEVATION		ELEVATION SHOWN SHEET WHERE ELEVATION IS DRAWN
ENLARGED PLAN OR ELEVATION		PLAN IDENTIFICATION SHEET WHERE PLAN IS DRAWN CIRCLED AREA SHOWN ON LARGE SCALE PLAN OR ELEVATION
DETAIL		DETAIL IDENTIFICATION SHEET WHERE DETAIL IS DRAWN
ROOM TITLE & NUMBER		TITLE NUMBER FIRST DIGIT IS FLOOR LEVEL
DOOR NUMBER		DOOR SUFFIX FOR MULTIPLE DOORS GENERALLY CORRESPONDS TO ROOM NUMBER WHERE DOOR OCCURS
CEILING HEIGHT		CEILING HEIGHT A.F.F. U.O.N.
WINDOW TYPE		WINDOW IDENTIFICATION
		STOREFRONT IDENTIFICATION
KEY NOTES		NUMBERED (OR KEY) NOTES
ELEVATION REFERENCE		
ELEVATION ABOVE PROJECT DATUM		EL. 100'-0"
NORTH ARROW		
REVISION		CLOUD AROUND REVISION OPTIONAL
OTHER		WORK POINT, CONTROL POINT OR DATUM POINT PROPERTY LINE
PARTITION SYMBOL		
SEE SHEET A2.1 FOR PARTITION LOCATIONS		INDICATES CHANGE IN PARTITION TYPE.
SEE SHEET A8.4 FOR PARTITION TYPES		PARTITION TYPE CONTINUES ACROSS DOOR OPENINGS UNLESS NOTED OTHERWISE

1. ALL HYDRANTS MUST BE INSTALLED AND IN OPERABLE CONDITION PRIOR TO STARTING ANY COMBUSTIBLE CONSTRUCTION.
2. FIRE PROTECTION EQUIPMENT AND SYSTEMS SHALL BE INSTALLED AND MAINTAINED DURING CONSTRUCTION/DEMOLITION, IN ACCORDANCE WITH CHAPTER 14, CALIFORNIA FIRE CODE..
3. ANY PERSON USING A TORCH OR OTHER FLAME-PRODUCING DEVICE FOR SWEATING PIPE JOINTS FROM OR IN ANY BUILDING OR STRUCTURE SHALL PROVIDE ONE APPROVED FIRE EXTINGUISHER ON THE PREMISES WHERE SAID BURNING OPERATION IS PERFORMED. COMBUSTIBLE MATERIAL IN THE CLOSE PROXIMITY OF OPEN FLAME SHALL BE PROTECTED AGAINST IGNITION BY SHIELDING, WETTING OR OTHER MEANS. IN ALL CASES, A FIRE WATCH SHALL BE MAINTAINED IN THE VICINITY OF THE OPERATION FOR ONE-HALF HOUR AFTER THE TORCH OR FLAME-PRODUCING DEVICE HAS BEEN USED.
4. EXIT OBSTRUCTIONS, INCLUDING STORAGE, SHALL NOT BE PLACED IN THE REQUIRED WIDTH OF AN EXIT, EXCEPT PROJECTIONS AS PERMITTED BY THE BUILDING CODE.

REFER TO SHEET S1.2 FOR SPECIAL INSPECTION REQUIREMENTS

SUBMITTAL DOCUMENTS FOR DEFERRED SUBMITTAL ITEMS SHALL BE DELIVERED TO THE ARCHITECT OR ENGINEER OF RECORD, WHO SHALL REVIEW THEM AND FORWARD THEM TO THE BUILDING OFFICIAL WITH A NOTATION INDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND THAT THEY HAVE BEEN FOUND TO BE IN GENERAL CONFORMANCE WITH THE DESIGN OF THE WORK. THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THEIR DESIGN AND SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE STATE FIRE MARSHAL. DEFERRED SUBMITTAL ITEMS INCLUDE BUT ARE NOT NECESSARILY LIMITED TO:

1. DEFERRED SUBMITTALS FOR DESIGN BUILD PERMITS SHALL BE SUBMITTED BY OTHERS INCLUDING FIRE SPRINKLER AND ALARM SYSTEMS. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR HIRING LICENSED PROFESSIONALS AS REQUIRED TO DESIGN AND BUILD THE SYSTEM AS WELL AS PROVIDE SERVICES TO INCLUDE THE PREPARATION OF DRAWINGS AS REQUIRED FOR PERMIT AND PLAN REVIEW BY CALIFORNIA STATE FIRE MARSHAL HAVING JURISDICTION OVER THE PROJECT. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR SUBMITTING THE DRAWINGS AUTHORITIES' HAVING JURISDICTION OVER THE PROJECT FOR REVIEW AND APPROVAL. THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THE DESIGN AND SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE OFFICE OF THE STATE FIRE MARSHAL.
2. FIRE SUPPRESSION SPRINKLER AND STANDPIPE SYSTEM CALCULATIONS, SHOP DRAWINGS AND PRODUCT DATA
3. FIRE ALARM SYSTEM CALCULATIONS, SHOP DRAWINGS AND PRODUCT DATA

[illegible]

**SUPERIOR COURT  
OF CALIFORNIA  
COUNTY OF SAN JOAQUIN**

## PHASE 1

CLIENT JOB #                      ARCHITECT JOB #

1007



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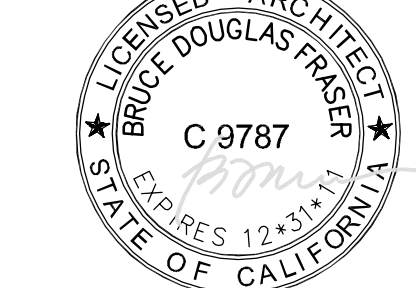
PROJECT MANAGER BDF

DRAWN BY DU

DATES 05/05/11

1	06/20/11
2	09/01/11

SIGNED



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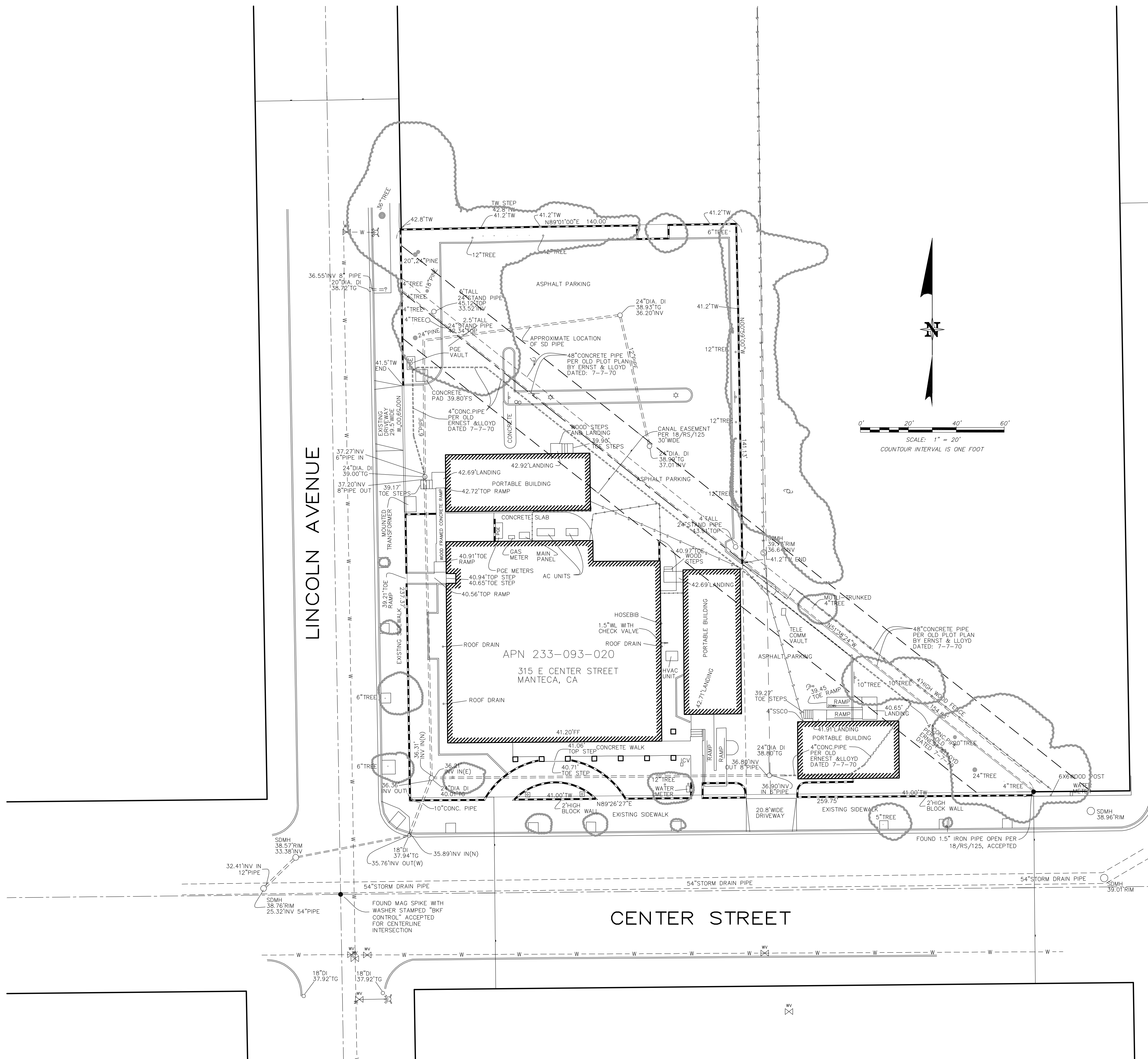
SHEET TITLE

## GENERAL NOTES, SYMBOLS AND ABBREVIATIONS

SHEET #

## T.1





### SYMBOL LEGEND:

— X —	FENCE LINE		RETAINING WALL
— SS —	SEWER MAIN		PG&E BOX
— W —	WATER MAIN		GAS METER
— G —	GAS MAIN		TELEPHONE BOX
— E —	ELEC./TELEPHONE/CABLE		SIGNAL BOX
— OHE —	OVERHEAD ELECTRIC		CABLE T.V. BOX
	EDGE OF PAVEMENT		ELECTRIC BOX
	DROP INLET AT CURB		TELEPHONE MANHOLE
	DROP INLET		STREET LIGHT
	STORM DRAIN MANHOLE		JOINT POLE
	FIRE HYDRANT		POWER POLE
	WATER WELL		GUY WIRE
	WATER VALVE		
	WATER METER		
	SEWER MANHOLE		
	SEWER CLEANOUT		

ABBREVIATIONS	
AC ASPHALT CONCRETE	IP IPON PIPE
AP ANGLE POINT	GR GRADE BREAK
EM EMBANKMENT	GH GAS METER
E DO E DRAIN	HW HIGH POINT
FCW FACE OF CURB	T TIGHT
CF CATCH BASIN	MR MANHOLE
CF C/FACE	PCWSE POLYESTER
CO C/SIDE C/T	PVC POLYVINYL PIPE
CO COILIN	PR PRESSURE
CO CORNER	PCP REINFORCED CONCRETE PIPE
CON CONCRETE	PCP (CONCRETE) P.C.S
CGH COATED GATED META. PIPE	SH STEEL SHEAF
CHL CONCRETE MASONRY Joints	S POINT ON SCOP
CHL C/FLOW OF STREET	SS SEWER
DI DRAIN INLET	STP STEP
EG EXISTING GRADE	STP STAIRS
ER EDGE OF PAVEMENT	TOP TOP OF SCOP
FD FLOW LINE	TOR TOP OF SCOP
F F	TVI TOP OF WALL
F2 FINISH ELEV	W WATER
FCW FACE OF WALL	W WALL
FS F/SE	WM WATER METER
GF GRASS	WN WATER WARE
GH GAS METER	
CO CO	CH-1.5P TOP OF GATE W/ST FLOW LINE
IP IPON PIPE	

## SURVEYOR'S STATEMENT:

2-9-2011

SURVEYOR'S NOTES:

1. NO TITLE SEARCH (TITLE REPORT) WAS PROVIDED TO THE SURVEYOR. EASEMENTS WHICH MAY AFFECT THE SUBJECT PROPERTY HAVE NOT BEEN PLOTTED.

2. ONLY THE SURFACE EVIDENCE OF UNDERGROUND UTILITIES AVAILABLE MEASURED IN THE FIELD ON THIS SURVEY, IF APPROPRIATE, UNDERGROUND ALIGNMENTS ARE SHOWN. I MAKE NO WARRANTY AS TO THE ACTUAL LOCATION, TYPE OR DEPTH OF THESE UNDERGROUND UTILITIES. CALL UNDERGROUND SERVICE AHEAD (CUSA) AT 1-800-542-2444 TO VERIFY THE ACTUAL LOCATION OF UTILITIES PRIOR TO ANY EXCAVATION. THE SURVEY OF A.S.C. WAS MADE NO INVESTIGATION AS TO SURFACE ENVIRONMENTAL CONDITIONS THAT WOULD AFFECT THE USE OR DEVELOPMENT OF THIS PROPERTY.

3. IT WILL BE THE ARCHITECT'S RESPONSIBILITY TO VERIFY SETBACK AND HEIGHT RESTRICTIONS WITH THE LOCAL GOVERNING AGENCY).

4. THE SIGNED AND SEALED ORIGINAL DRAWING OF THIS MAP CONSTITUTES THE FINAL WORK PRODUCT. MEAS AND SURVEYS WILL NOT BE LIABLE FOR ELECTRONIC VERSIONS OF THIS MAP PROVIDED TO OTHER PARTIES.

5. THE BOUNDARY LINES SHOWN HEREON WERE COMPILED FROM RECORD INFORMATION, I HAVE RECORDED MAPS OF DEEDS AND AM NOT INTENDING TO REPRESENT THE TRUE ACTUAL BOUNDARY LINE OF THE SUBJECT PROPERTY. TO DETERMINE THE ACTUAL BOUNDARY OF THE PROPERTY, THE BUYER SHOULD OBTAIN A CHAIN OF BOUNDARY SURVEY, THE SETTING OF PROPERTY MONUMENTS AND THE PLUMBING OF A CORNER RECORD OF RECORD OF SURVEY IN CONFORMANCE WITH STATE LAW (A.C.S. SEC. 47-20). APPROXIMATE DIMENSIONS THENCE FROM THE BOUNDARY LINES SHOWN TO PHYSICAL POINTS (E.G. EXISTING FRANCHISES OF TREES, STAKE, CONCRETE, ETC.) CAN BE DETERMINED BY SOLVING THE FINISHED WORK PRODUCT WHICH IS PLOTTED AT THE SCALE INDICATED. HOWEVER, DIMENSIONS THENCE DETERMINED DIRECTLY FROM THE FINISHED PRODUCT (A COAST DRAWING) OF THE RECORD MAP AND PLOTTED TO THE PHYSICAL POINTS MAY BE UNRELIABLE BECAUSE OF THE SETTING OF ANY PROPOSED NEW CONSTRUCTION. THE LOCATION OF NEW CONSTRUCTION CAN ONLY BE PROPERLY DETERMINED WHEN IT IS BASED ON AN ACTUAL BOUNDARY SURVEY. THE TRUE BOUNDARY OF THE PROPERTY CAN ONLY BE DETERMINED BY A CHAIN OF BOUNDARY SURVEY. IT MAY BE NECESSARY DURING CONSTRUCTION TO CONSULT WITH AGENCY SURVEYOR ADJUSTMENTS.

BENCH MARK:  
LOS BENCH MARK DESIGNATION - D83  
PIC - 59205  
BEING AN REAR SIDE STAMPED "D 83 430 39.474" SET IN  
BUILDING STEPS OF THE BENCH MARK ON YOSEMITE AVENUE LOCATED  
0.2 MILE EAST OF THE CROSSING OF THE SOUTHERN PACIFIC  
RAILROAD WITH YOSEMITE AVENUE.  
ELEVATION = 40.38 NAVD83

## BASIS OF BEARINGS

THE BASIS OF BEARINGS FOR THIS PROJECT IS BASED ON FOUND MONUMENTS ALONG THE CENTERLINE OF LINCOLN AVENUE.  
BEARING N 00° 33' 00" W PER 5/MAPS/25.

SITE DATA:

ADDRESS: 315 E CENTER STREET, MANTECA, CA

ASSESSOR'S PARCEL NO. APN 233-093-020

# TOPOGRAPHIC MAP

OF A PORTION OF BLOCK 3 OF OF THE MAP OF THE PARK ADDITION  
TO THE TOWN OF MANTECA CALIF. SHOWN ON MAP FILED IN BOOK  
OF MAPS AT PAGE 25, IN THE CITY OF MANTECA, COUNTY OF SAN  
JOAQUIN, CALIFORNIA

AT THE REQUEST OF ROB CARNES

FEBRUARY 9 201

SCALE: 1"=20'

**MBS**  
LAND SURVEYS

MICHAEL B. STANTON, PLS 5702  
2146 PARKER STREET, SUITE A-1  
SAN LUIS OBISPO, CA 93401  
805-594-1960

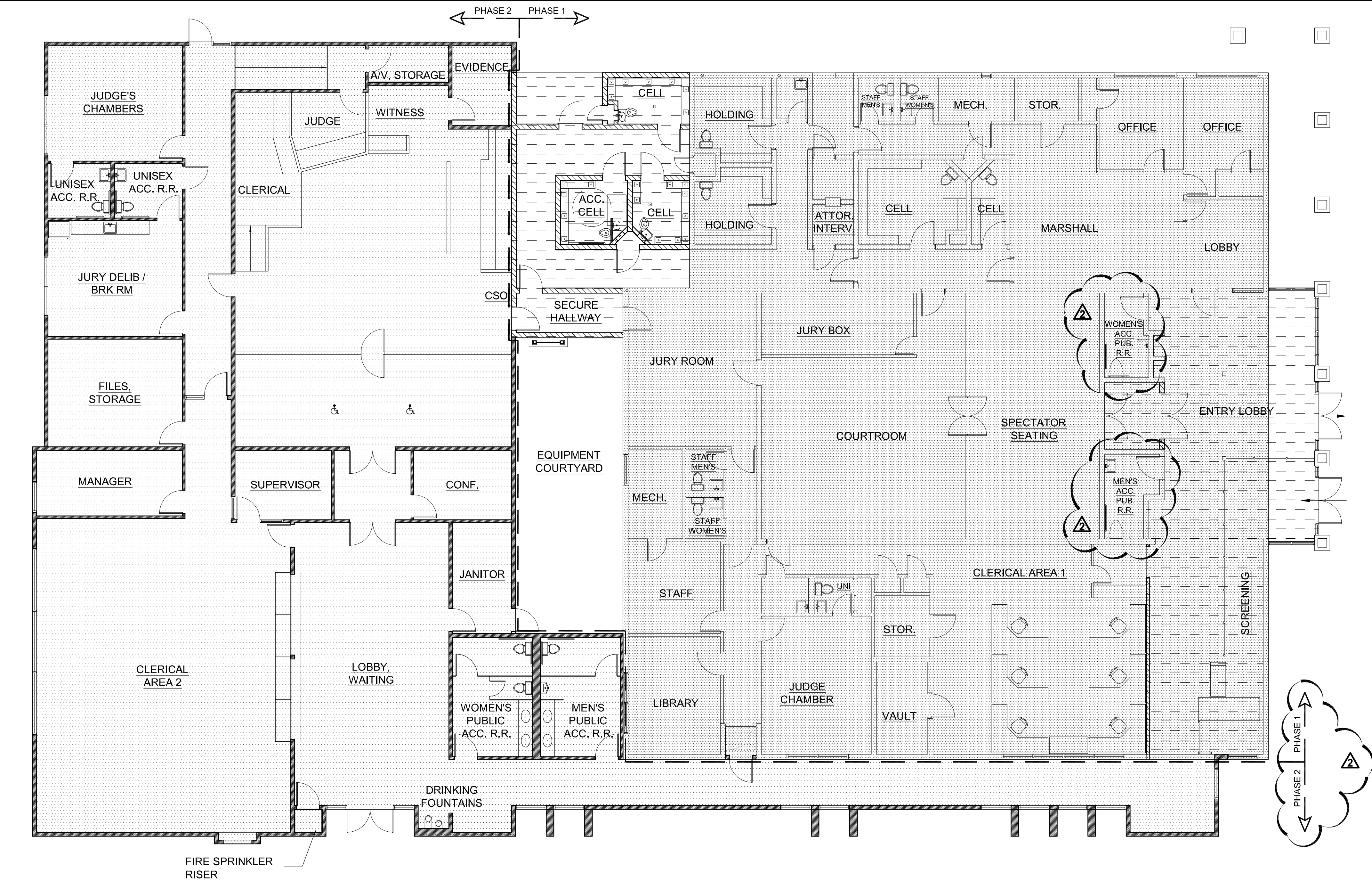
JOB No. 10-139

## T.2





\\John\Manteca Courthouse 1007\Drawings\Sheets\Phase 1\T.4 - Phase I and Phase II Composite Reference Floor Plan.dwg, 8/26/2011 1:16:34 PM, PDP995



 **PHASE I & PHASE II COMPOSITE REFERENCE FLOOR PLAN**  
SCALE: 1/8" = 1'-0"

**PLUMBING FIXTURE COUNTS (PHASE 1 & PHASE 2)**

PLUMBING FIXTURES (HOLDING CELLS)

2010 CPC TABLE 4-1

WATER CLOSETS:

LAVATORIES:

SHOWERS:

URINALS:

FACTOR	REQUIRED	AS DESIGNED
1 PER CELL	7	7
1 PER CELL	7	7
NONE	NONE	NONE
NONE	NONE	NONE

**PLUMBING FIXTURES (ASSEMBLY FOR PUBLIC USE)**

AS DESIGNED

MENS WATER CLOSETS:

1-100 1 2

MENS URINALS:

1-100 1 1

MENS LAVATORIES:

1-100 1 3

WOMENS WATER CLOSETS:

3 FOR 1-100 3 3

WOMENS LAVATORIES:

1-100 1 3

**PLUMBING FIXTURES (OFFICE FOR EMPLOYEE USE)**

AS DESIGNED

MENS WATER CLOSETS:

36-55 3 4

MENS URINALS:

10-50 1 1

MENS LAVATORIES:

1 PER 40 1 5

WOMENS WATER CLOSETS:

36-55 4 5

WOMENS LAVATORIES:

1-100 1 5

**PLUMBING FIXTURES (JUDGE'S CHAMBERS)**

REQUIRED AS DESIGNED

WATER CLOSETS:




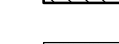


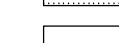
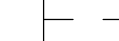
2 2

LAVATORIES:

2 2

NOTE: ABOVE CALCULATIONS ASSUME SHARED PUBLIC / EMPLOYEE USE OF THE PHASE 2 ACCESSIBLE MULTIPLE OCCUPANT RESTROOMS AND DEDICATED PUBLIC USE OF THE PHASE 1 ACCESSIBLE RESTROOMS.

**LEGEND**

	EXISTING WALL TO REMAIN AND PROTECT
	NEW WALL - PHASE 1
	NEW WALL - PHASE 2
	EXISTING - FLOOR AREA TOTAL = 7,189 s.f.
	PHASE 1 - ADDITIONAL FLOOR AREA LOBBY = 218 s.f. HOLDING CELLS = 664 s.f. TOTAL = 882 s.f.
	PHASE 1 - EXISTING TO BE REMODELED TOTAL = 989 s.f.
	PHASE 2 - ADDITIONAL FLOOR AREA TOTAL = 7,253 s.f.
	COMBINED OVERALL FLOOR AREA EXISTING = 7,189 s.f. PHASE 1 = 882 s.f. PHASE 2 = 7,253 s.f. TOTAL = 15,324 s.f.

PHASE II IS NOT A PART OF THIS APPROVAL  
AND IS SHOWN FOR REFERENCE ONLY

PROJECT

**SUPERIOR COURT  
OF CALIFORNIA  
COUNTY OF SAN JOAQUIN**

**MANTECA BRANCH  
SITE AND BUILDING  
IMPROVEMENTS**

**PHASE 1**

CLIENT JOB # ARCHITECT JOB #  
**1007**

**FRASER  
SEIPLE  
ARCHITECTS**

971 OSOS STREET  
SAN LUIS OBISPO  
CALIFORNIA 93401

805-544-6161

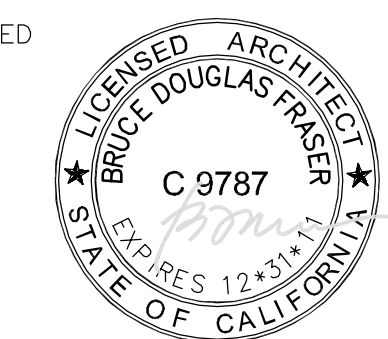
www.fraserseiplearchitects.com

PROJECT MANAGER BDF

DRAWN BY DL

DATES 05/05/11  
06/20/11  
09/01/11

SIGNED



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SHEET TITLE

**PHASE I & PHASE II  
COMPOSITE  
REFERENCE  
FLOOR PLAN**

SHEET #

**T.4**



\\john\manate\Courthouse\_1007\Drawings\Sheets\Phase 1\T-5 - Phase I and Phase II Composite Reference Code Compliance\_Abb\_Symbols.dwg

#### FIRE PROTECTION

	PROVIDED	TYPE
FIRE SPRINKLERS?	YES	NFPA 13
FIRE ALARM?	YES	AUTOMATIC
SMOKE CONTROL SYSTEM?	YES	AUTOMATIC SHUTOFF
HIGH FIRE HAZARD SEVERITY ZONE?	NO	

OCCUPANCY SEPARATION (TABLE 508.3.3)	SEPARATION REQUIRED
B / A-3	1 HOUR
B / I-3	2 HOUR
I-3 / A-3	2 HOUR

NOTE: RATED CORRIDORS IN A-3 AND B OCCUPANCY NOT REQUIRED WITH SPRINKLER SYSTEM PER TABLE 1018.1

FIRE RESISTANCE REQUIREMENTS	REQUIRED RATING WITH SPRINKLER SYSTEM
STRUCTURAL FRAME	0 TABLE 601
BEARING WALLS - EXTERIOR	1 TABLE 601
BEARING WALLS - INTERIOR	0 TABLE 601
NONBEARING INTERIOR WALLS	0 TABLE 601
FLOOR CONSTRUCTION	0 TABLE 601
ROOF CONSTRUCTION	0 TABLE 601

#### DRAFTSTOPPING IN ATTICS (SECTION 717.4)

DRAFTSTOPPING SHALL BE INSTALLED IN ATTICS AND CONCEALED ROOF SPACES, SUCH THAT ANY HORIZONTAL AREA DOES NOT EXCEED 3,000 SQUARE FEET.

EXCEPTIONS: IN OTHER THAN HIGH-RISE BUILDINGS, GROUP A, E, H, J AND L OCCUPANCIES AND OTHER APPLICATIONS LISTED IN SECTION 111 REGULATED BY THE OFFICE OF THE STATE FIRE MARSHAL, DRAFTSTOPPING IS NOT REQUIRED IN BUILDINGS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1

LOCATION ON PROPERTY	REQUIRED RATING	DISTANCE TO P.L.	OPENINGS
TABLES 602 & 705.8			
NORTH EXTERIOR WALL	NR	> 30'	NR
EAST EXTERIOR WALL	NR	> 30'	NR
SOUTH EXTERIOR WALL	1 HOUR	15' < X < 20'	Unprotected, Sprinklered
WEST EXTERIOR WALL	1 HOUR	15' < X < 20'	Unprotected, Sprinklered

#### PROJECT DATA (PHASE I & PHASE 2)

ASSESSOR'S PARCEL NUMBER 223-093-020

ADDRESS 315 EAST CENTER STREET, MANTECA, CA 95336

LEGAL DESCRIPTION PORTION OF BLOCK 3 OF THE MAP OF THE PARK ADDITION TO THE TOWN OF MANTECA, CA, AS SHOWN ON MAP FILED IN BOOK 9 OF MAPS AT PAGE 25, IN THE CITY OF MANTECA, COUNTY OF SAN JOAQUIN, CA.

SITE AREA 39,435 s.f. = .91 Acres

BUILDING AREA	EXISTING (CONSTRUCTED IN 1970)	7,187 s.f.
	PHASE 1 ADDITIONS	882 s.f.
	PHASE 2 ADDITIONS	7,244 s.f.
	COMBINED TOTAL:	15,313 s.f.

AREA OF REMODELING IN EXISTING BUILDING: 989 s.f.

#### USE AND OCCUPANCY CLASSIFICATION (CHAPTER 3)

BUILDING COMPONENT	OCCUPANCY CLASSIFICATION (SECTION 304)	OCCUPANT LOAD (TABLE 1004.1.1)
(E) OFFICE + STORAGE / MECH.	B - BUSINESS	(4,278 / 100) + (381 / 300) = 45
(E) COURTROOM + FIXED SEATING	A-3 - ASSEMBLY	(865 / 44) + 84 SEATS = 106
(E) HOLDING CELLS	I-3 - HOLDING	68 FT. OF BENCH / 1.5 = 45
(E) TOTAL OCCUPANT LOAD		196
PHASE 1		
(N) LOBBY ADDITION	B - BUSINESS	219 / 100 = 3
(N) HOLDING CELL ADDITION	I-3 - HOLDING	37 FT. OF BENCH / 1.5 = 25
PHASE 1 ADDITIONAL OCCUPANT LOAD		28
PHASE 2		
(N) OFFICE + STORAGE / MECH.	B - BUSINESS	(2,268 / 100) + (532 / 300) = 25
(N) COURTROOM + FIXED SEATING	A-3 - ASSEMBLY	(1,152 / 40) + 29 SEATS = 58
(N) LOBBY	B - BUSINESS	740 / 100 = 7
PHASE 2 ADDITIONAL OCCUPANT LOAD		86

COMBINED TOTAL OCCUPANT LOAD 310

#### CONSTRUCTION TYPE (TABLE 601)

CONSTRUCTION TYPE	FIRE RATING	FIRE SPRINKLERS (CHAPTER 9)
TYPE VA NON-RATED	NON-RATED	YES

#### BUILDING LIMITS

BUILDING HEIGHT	ALLOWED:	STORIES	HT	AS DESIGNED:	STORIES	HT
(TABLE 503 - TYPE VA WITH SEC. 504.2 - SPRINKLER SYSTEM INCREASE)						
GROUP B	3+1 = 4	60'-0" + 80'-0"	1	15'-10"		
GROUP A-3 - MOST RESTRICTIVE	2+1 = 3	40'-0" + 60'-0"	1	15'-10"		
GROUP I-3 - PER 408.1.1	1	20'-0"	1	19'-6"		

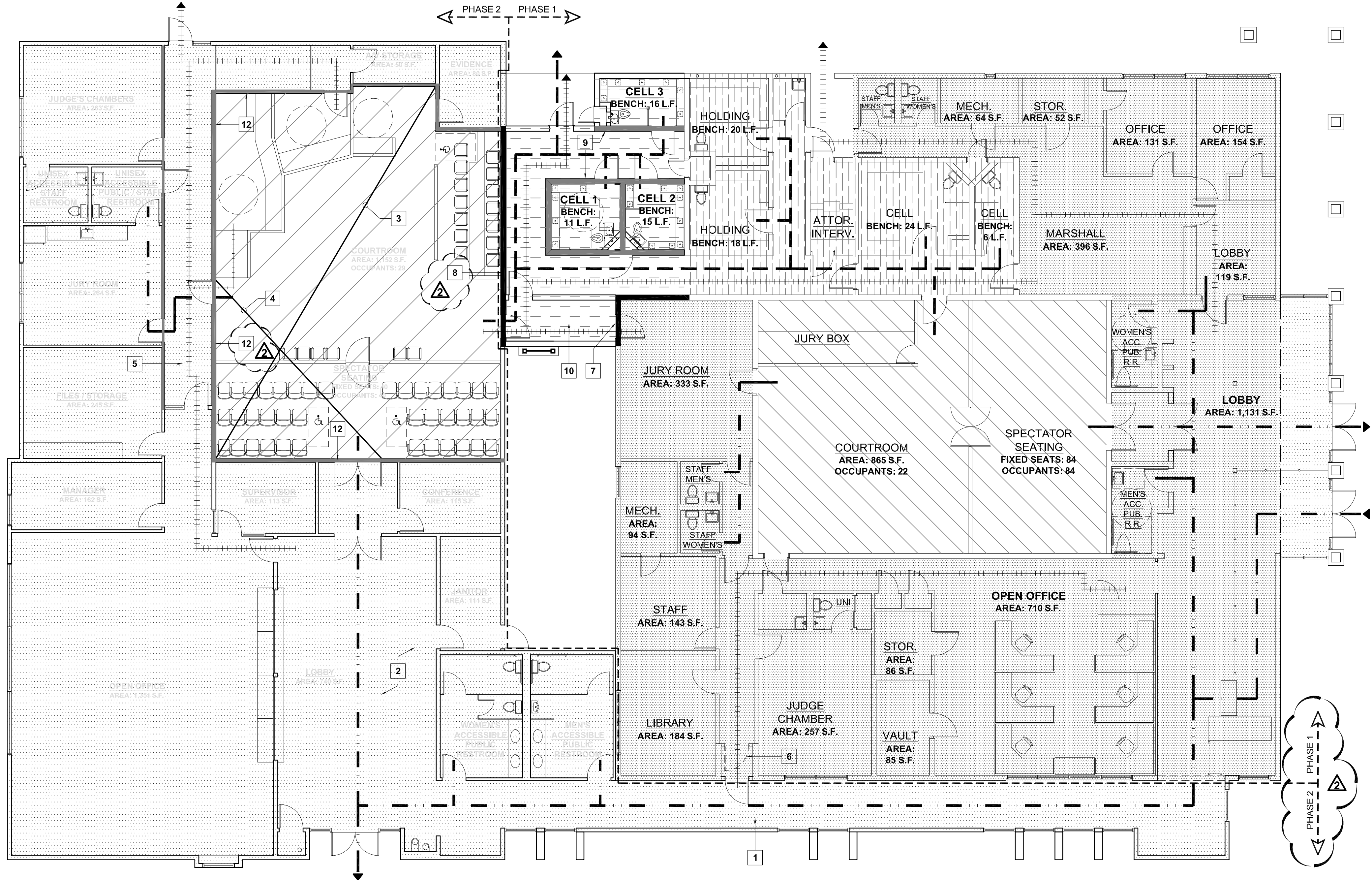
#### BUILDING AREA

BUILDING AREA	ALLOWED:	AREA (s.f.)
(TABLE 503 - TYPE VA WITH SEC. 506.3 - SPRINKLER SYSTEM INCREASE)		
GROUP B		18,000 + (18,000x300%) = 72,000 s.f.
GROUP A-3 - MOST RESTRICTIVE		11,500 + (11,500x300%) = 46,000 s.f.
GROUP I-3		5,200 s.f. MAX. w/ 2 HR FIRE SEPARATION

TOTAL BUILDING AREA 46,000 x 3 = 138,000 s.f. > 15,313 OKAY

EGRESS	EGRESS WIDTH CALCULATIONS	INCHES/PERSON	OCCUPANTS SERVED	MIN. WIDTH (INCHES)	WIDTH PROVIDED (IN)
WORST CASE		0.15	310	46.5	48 MIN

MINIMUM NUMBER OF EXITS	PERSONS PER STORY	MINIMUM REQUIRED EXITS	EXITS PROVIDED
(TABLE 1019.1)			
GROUP B	1-500	2	3
GROUP A-3	1-500	2	2
GROUP I-3	1-500	2	2



## PHASE I & PHASE II CODE ANALYSIS

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

### ACCESSIBILITY NOTES

- THE PATH OF TRAVEL (P.O.T.) AS INDICATED IS A BARRIER FREE ACCESSIBLE ROUTE AT LEAST 48 INCHES WIDE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" AT 1:2 MAXIMUM SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL. MAXIMUM CROSS-SLOPE 2% TYPICAL AND MAXIMUM SLOPE IN THE DIRECTION OF TRAVEL IS 5% OR LESS, UNLESS OTHERWISE NOTED. P.O.T. SHALL BE MAINTAINED FREE OF OVERHEAD OBSTRUCTIONS TO 80" MINIMUM (CBC1133B8.2) AND SIDE OBJECTS PROTRUDING GREATER THAN 4" INTO P.O.T. BETWEEN 27 AND 80 INCHES ABOVE THE FINISHED FLOOR (CBC 1133B8.6).
- ALL DOORS ON INDICATED P.O.T.'S SHALL COMPLY WITH APPLICABLE PROVISIONS OF CBC 1133B, INCLUDING:
  - THE UNLATCHING OF ANY EXIT DOOR SHALL NOT REQUIRE MORE THAN ONE OPERATION.
  - ALL EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE.
  - ACCESSIBLE DOOR HARDWARE SHALL BE CENTERED BETWEEN 30 AND 44 INCHES ABOVE THE FINISH FLOOR OR LANDING, AND SHALL BE OPERATED WITH SINGLE PUSH-PULL ACTIVATING BARS OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE.
  - INTERIOR AND EXTERIOR THRESHOLDS SHALL MEET THE LEVEL CHANGE LIMITATIONS OF ITEM #1 ABOVE.
  - ON INTERIOR AND EXTERIOR DOORS THAT HAVE CLOSERS THE CLOSER PRESSURE SHALL NOT EXCEED 5 POUNDS.
  - THE BOTTOM 10 INCHES OF ALL ACCESSIBLE DOORS SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST.
  - PROVIDE A LEVEL AND CLEAR LANDING ON BOTH SIDES OF ACCESSIBLE DOORS, A MINIMUM OF 60" DEEP ON THE PULL SIDE AND 48" DEEP ON THE PUSH SIDE, AND EXTENDING A MINIMUM OF 18" BEYOND THE LATCH JAMB ON THE PULL SIDE OF INTERIOR DOORS (24" AT EXTERIOR DOORS), AND A MINIMUM OF 12" BEYOND THE LATCH JAMB ON THE PUSH SIDE, UNLESS THE DOOR IS NOT EQUIPPED WITH A LATCH AND CLOSER.

### EGRESS KEYNOTES

- COMMUNICATING HALLWAY, NOT PART OF REQUIRED EGRESS SYSTEM.
- INTERVENING SPACE IN COMPLIANCE WITH CBC 1014.2
- GREATEST DIAGONAL OF COURTROOM: 54'-8"
- SEPARATION OF COURTROOM EXITS: 30'-6" (>54'-8"/2; OK)
- ONE HOUR RATED EXIT CORRIDOR.
- PHASE ONE SECONDARY EXIT.
- EXISTING 2-HOUR RATED FULL HEIGHT CMU WALL.
- NEW 2-HOUR RATED CMU WALL TO EXTEND TO CONCRETE LID.
- 2-HOUR RATED 2x6 WALL TO EXTEND FROM CONCRETE LID TO TOP OF PARAPET. SEE DETAIL 54 / A8.4.
- REQUIRED 1-HOUR CMU WALLS TO EXTEND TO UNDERSIDE OF 6" CONCRETE LID (REQUIRED 2-HOUR HORIZONTAL BARRIER).
- 6" CAST-IN-PLACE CONCRETE LID EXCEEDS REQUIRED 4 1/2" MIN. FOR 2-HOUR HORIZONTAL BARRIER AT RATED PENETRATIONS.
- SEE SHEET A8.4 FOR PARTITION TYPES AND RATED PENETRATION DETAILS.
- REQUIRED 1 HOUR SEPARATION BETWEEN A-3 AND B OCCUPANCIES. SEE PHASE 2 PLANS FOR RATED WALL TYPES.

### LEGEND

(SEE PROJECT DATA FOR OCCUPANCY CALCULATIONS FOR PHASE I)  
(SEE SHEET A2.1 FOR PARTITION TYPE LOCATIONS)  
(SEE SHEET A8.4 FOR RATED PARTITION / RATED PENETRATION DETAILS)

	EXISTING A-3 OCCUPANCY
	EXISTING B OCCUPANCY
	EXISTING I-3 OCCUPANCY
	NEW A-3 OCCUPANCY
	NEW B OCCUPANCY
	NEW I-3 OCCUPANCY, EXTENT OF CBC REQUIRED 2-HOUR HORIZONTAL BARRIER
	PUBLIC PATH OF TRAVEL (INCLUDING ATTORNEYS AND JURORS)
	IN-CUSTODY PATH OF TRAVEL
	STAFF / SHERIFF PATH OF TRAVEL
	EXTENT OF NEW CBC REQUIRED 2-HOUR VERTICAL BARRIER.
	EXTENT OF NEW CBC REQUIRED 1-HOUR VERTICAL BARRIER.

(PHASE II OCCUPANCY TYPES, FIRE SEPARATIONS AND PATHS OF TRAVEL SHOWN TO ADEQUATELY DESCRIBE LIFE AND SAFETY DESIGN INTENT FOR PHASE I)

PHASE II IS NOT A PART OF THIS APPROVAL AND IS SHOWN FOR REFERENCE ONLY

PROJECT

## SUPERIOR COURT OF CALIFORNIA COUNTY OF SAN JOAQUIN

## MANTECA BRANCH SITE AND BUILDING IMPROVEMENTS

### PHASE 1

CLIENT JOB # ARCHITECT JOB #

1007

**FRASER  
SEIPLE  
ARCHITECTS**

971 OSOS STREET  
SAN LUIS OBISPO  
CALIFORNIA 93401

805-544-6161

www.fraserseiplearchitects.com

PROJECT MANAGER BDF

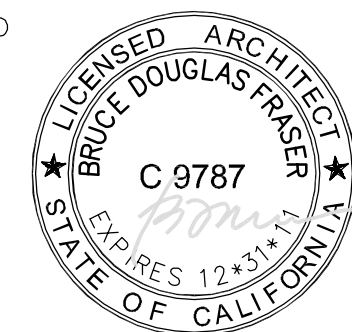
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DATES 05/05/11

06/20/11

09/01/11

SIGNED



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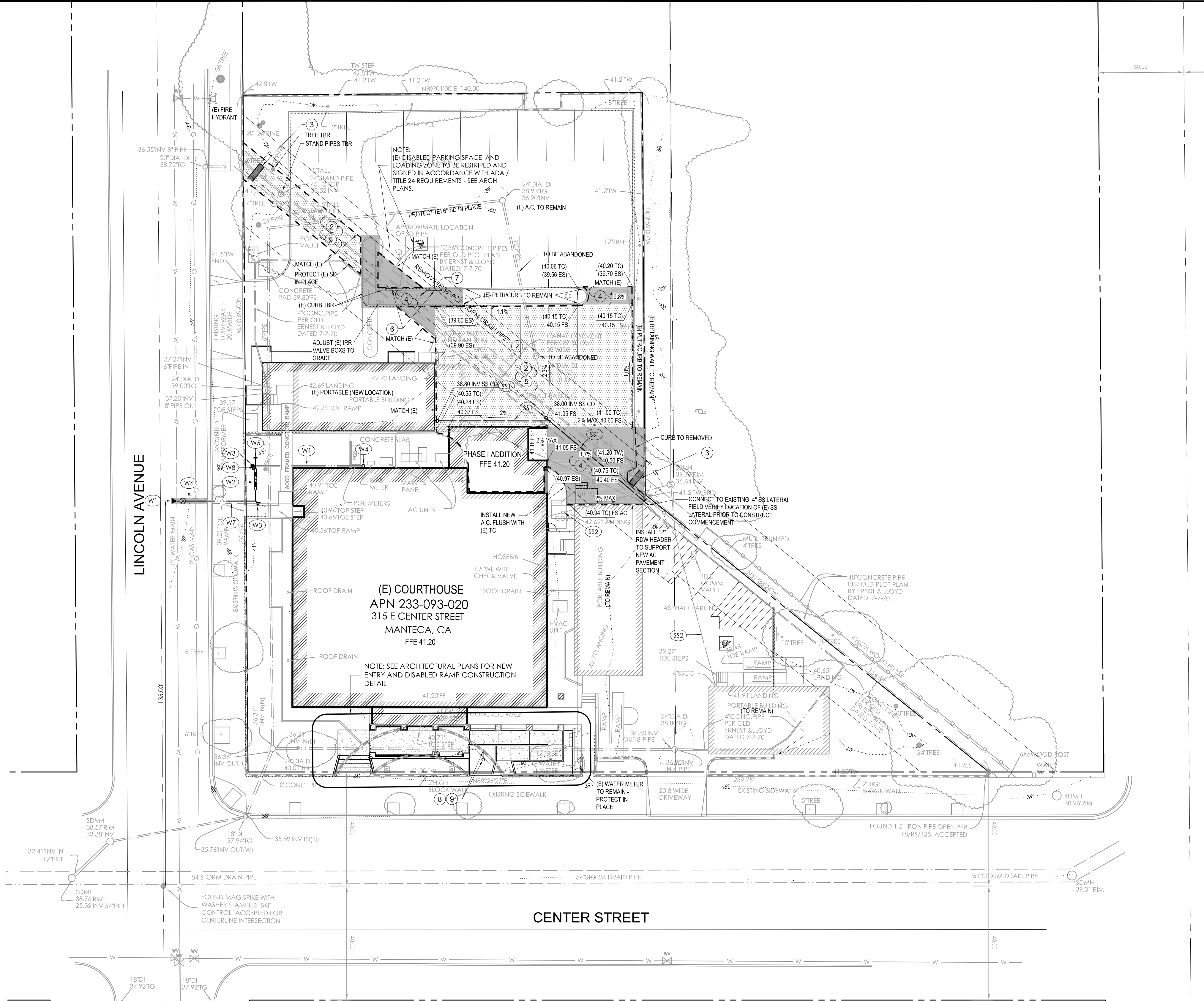
SHEET TITLE

## PHASE I & PHASE II CODE ANALYSIS

SHEET #

T.5





**LEGEND:**

- NEW CLASS II BASE SECTION
- NEW AC PAVEMENT SECTION
- LIMITS OF AC PAVEMENT REMOVAL
- PROPERTY LINE / ROW

**ABBREVIATIONS:**

- AC - ASPHALT CONCRETE
- BLDG - BUILDING
- CONC - CONCRETE
- ES - EXISTING SURFACE
- TC - TOP OF CURB
- (E) - EXISTING
- FEE - FINISHED FLOOR ELEVATION
- FG - FINISHED GRADE
- FL - FLOWLINE
- FS - FINISHED SURFACE
- SD - STORM DRAIN
- TYP - TYPICAL
- TBR - TO BE REMOVED

**GENERAL NOTES:**

- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ITEMS SHOWN ON THE PLANS.
- NO CONSTRUCTION SHALL BE STARTED WITHOUT PLANS APPROVED BY THE CITY. THE CITY SHALL BE NOTIFIED AT LEAST 2 WORKING DAYS PRIOR TO STARTING CONSTRUCTION. ANY CONSTRUCTION DONE WITHOUT APPROVED PLANS OR PRIOR NOTIFICATION TO THE CITY WILL BE REJECTED AND WILL BE DONE AT THE CONTRACTOR'S AND/OR OWNER'S RISK AND EXPENSE.
- THE CITY INSPECTOR, ACTING ON BEHALF OF THE CITY MAY REQUIRE REVISIONS IN THE PLANS TO SOLVE UNFORESEEN PROBLEMS THAT MAY ARISE IN THE FIELD. ALL REVISIONS SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER'S ENGINEER.
- THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR PLACEMENT OF SAFETY DEVICES SUCH AS FENCING, BARRICADES, SAFETY TAPE, ETC., AND SHALL FOLLOW ALL APPLICABLE INDUSTRIAL SAFETY REGULATIONS. THE CITY AND ITS OFFICIALS, THE ENGINEER, AND THE OWNER SHALL NOT BE RESPONSIBLE FOR ENFORCING SAFETY REGULATIONS.
- ANY DEVIATION FROM THESE PLANS WITHOUT PRIOR APPROVAL FROM THE DESIGN ENGINEER SHALL BE AT THE CONTRACTOR'S OWN RISK AND EXPENSE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING THE GROUND ELEVATIONS AND OVERALL TOPOGRAPHY OF THE SITE PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY KEITH V. CROWE, P.E. IMMEDIATELY, AND IN WRITING, OF ANY DIFFERENCES IN TOPOGRAPHY FROM THAT SHOWN ON THIS PLAN, WHICH MAY REQUIRE CHANGES IN DESIGN AND/OR AFFECT THE EARTHWORK QUANTITIES.
- THE CONTRACTOR SHALL COMPLY WITH ALL GOVERNMENT ORDINANCES AND REGULATIONS RELATING TO THE WORK SHOWN ON THIS PLAN.
- ALL CUT AND FILL SLOPES SHALL BE 2:1 OR FLATTER UNLESS OTHERWISE NOTED ON THESE PLANS.
- NO GRADING SHALL OCCUR WITHIN TWO (2) FEET OF THE PROPERTY LINES UNLESS NOTED OTHERWISE ON THESE PLANS.
- THESE PLANS DO NOT AUTHORIZE SITE DISTURBANCE BEYOND THE LIMITS OF GRADING OR IMPROVEMENTS SHOWN HEREON. THE CONTRACTOR SHALL OBTAIN PERMISSION TO ENTER UPON ADJOINING PROPERTY TO CONSTRUCT IMPROVEMENTS OR TO GRADE ELSEWHERE PRIOR TO COMMENCING WORK. THE REGULATING AGENCY DOES NOT AUTHORIZE ENTRY PER THESE APPROVED PLANS.
- ALL GRADING AND SITE WORK SHALL CONFORM TO THE REGULATING AGENCIES GRADING ORDINANCE, STANDARDS, AND SPECIFICATIONS; AND TO THE LATEST EDITION OF THE UNIFORM BUILDING CODE (CHAPTER 33) AND TITLE 24 CALIFORNIA CODE OF REGULATIONS ACCESSIBILITY REQUIREMENTS.
- A CITY ENCROACHMENT PERMIT IS REQUIRED FOR ALL WORK PERFORMED WITHIN THE RIGHT-OF-WAY AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN.
- THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR PLACEMENT OF SAFETY DEVICES SUCH AS FENCING, BARRICADES, SAFETY TAPE, ETC., AND SHALL FOLLOW ALL APPLICABLE INDUSTRIAL SAFETY REGULATIONS. THE CITY AND ITS OFFICIALS, THE ENGINEER, AND THE OWNER SHALL NOT BE RESPONSIBLE FOR ENFORCING SAFETY REGULATIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OR PROPER RESETTING OF ALL EXISTING MONUMENTS AND OTHER SURVEY MARKERS. ANY SURVEY MONUMENTS DESTROYED BY THE CONTRACTOR SHALL BE REPLACED IN ACCORDANCE WITH THE STATE LAND SURVEYOR'S ACT AT THE CONTRACTOR'S OWN EXPENSE.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT "UNDERGROUND SERVICE ALERT" AT 1-800-642-2444 FOR LOCATION OF POWER, GAS, OIL, AND TELEPHONE UNDERGROUND FACILITIES. CONTRACTOR WILL ALSO BE RESPONSIBLE FOR CONTACTING THE APPROPRIATE AGENCY FOR THE LOCATION OF ALL UNDERGROUND FACILITIES.

**GEOTECHNICAL REPORT**

THE SOILS REPORT WAS PREPARED BY EARTHSYSTEMS PACIFIC - "SOILS ENGINEERING AND GEOLOGIC HAZARDS REPORT - MANTECA COURTHOUSE ADDITION EAST CENTER STREET, MANTECA, CA", DATED MAY 3, 2011. PLEASE SEE REPORT FOR GEOTECHNICAL RECOMMENDATIONS.

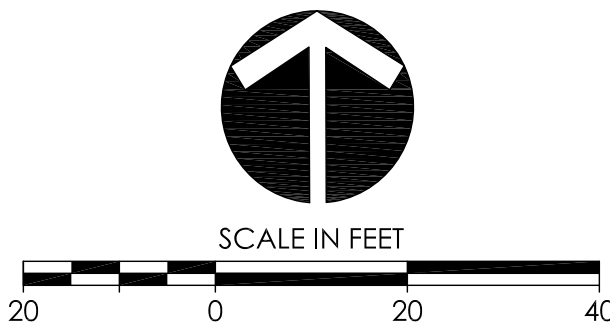
(E) STORM DRAIN PLUG DETAIL

## Phase 1 - Grading, Drainage and Utility Plan

- CONSTRUCTION NOTES:**
- REMOVE EXISTING 36\"/>
  - SAWCUT & REMOVE EXISTING A.C. PAVING AND/OR CURB TO LIMITS SHOWN.
  - REMOVE EXISTING STANDPIPES AND CONSTRUCT CONCRETE PLUG AT ENDS OF EXISTING STORM DRAIN TO REMAIN. SEE DETAIL "A" THIS SHEET.
  - CONSTRUCT 2\"/>
  - CONSTRUCT 6\"/>
  - INSTALL WHEELSTOP.
  - EXISTING PARKING LOT LIGHT AND BASE TO BE REMOVED. PROVIDE TEMPORARY ELECTRICAL BOX AND RECONNECT CIRCUIT.
  - INSTALL 6\"/>
  - INSTALL 3\"/>

- UTILITY CONSTRUCTION NOTES:**
- W1 PROVIDE AND INSTALL NEW 4\"/>
  - W2 PROVIDE AND INSTALL 4\"/>
  - W3 CONSTRUCT THRUST BLOCK PER CITY STD DETAIL W-4.
  - W4 PROVIDE FIRE SPRINKLER RISER PER FIRE SPRINKLER DESIGN. SEE ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.
  - W5 STUB AND CAP NEW 4\"/>
  - W6 CONSTRUCT NEW A.C. TRENCH REPAIR PER CITY STANDARDS AND SPECIFICATIONS.
  - W7 REPAIR CONCRETE SIDEWALK PER CITY STD DETAIL ST-6.
  - W8 PROVIDE AND INSTALL FIRE DEPARTMENT CONNECTION PER CITY STD DETAIL W-15 AND CAL FIRE REQUIREMENTS.
  - SS1 CONSTRUCT NEW 4\"/>
  - SS2 EXISTING 4\"/>

- NOTES:**
- SEE ARCHITECTURAL PLANS FOR ADDITIONAL ITEMS OF REMOVAL, RELOCATION, AND CONSTRUCTION.
  - POTHOLE AND VERIFY MATERIAL, LOCATION AND SIZE OF ALL WET AND DRY SPRINKLERS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
  - SEE SHEET C2 FOR CONSTRUCTION DETAILS.



PROJECT

## SUPERIOR COURT OF CALIFORNIA COUNTY OF SAN JOAQUIN

## MANTECA BRANCH SITE AND BUILDING IMPROVEMENTS

### PHASE 1

CLIENT JOB # ARCHITECT JOB #  
1007



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PROJECT MANAGER SG

DRAWN BY SG

DATES 05/05/11 SUBITTAL  
09/01/11

SIGNED



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SHEET TITLE

## PHASE I GRADING, DRAINAGE AND UTILITY PLAN

SHEET #

# C1



PROJECT

SUPERIOR COURT  
OF CALIFORNIA  
COUNTY OF SAN JOAQUIN

MANTECA BRANCH  
SITE AND BUILDING  
IMPROVEMENTS

PHASE 1

CLIENT JOB # ARCHITECT JOB #  
1007



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SHEET TITLE  
CONSTRUCTION DETAILS

SHEET #

C2

TYPE OF FITTING	90° BEND	45° BEND	1 1/4" OR 2 1/2" BEND
THRUST BLOCK DESCRIPTION			
PIPE SIZE	4" 6" 8" 10" 12" 14" 16"	4 FT <sup>2</sup> 3 FT <sup>2</sup> 2 FT <sup>2</sup>	2 FT <sup>2</sup>

NOTES:

- ALL BEARING AREAS SHOWN ARE MINIMUM VALUES FOR A HYDROSTATIC PRESSURE OF 150 PSI, SOIL RESISTANCE OF 2,000 LBS./SQ. FT. AND TWO (2) FOOT MINIMUM COVER.
- ALL THRUST BLOCKS SHALL BE MADE OF CLASS "B" CONCRETE WITH A MINIMUM CRUSHING STRENGTH OF 2,000 PSI AT 28 DAYS.
- ALL BLOCKS TO BE POURED AGAINST UNDISTURBED SOIL. THE BLOCKS SHALL BE PLACED SO THAT JOINTS AND FITTINGS WILL BE ACCESSIBLE FOR REPAIRS.
- FOR VERTICAL BENDS, ALL METALLIC TIE DOWNS SHALL BE ENCASED WITH POLYETHYLENE WRAP (8 MIL. MIN.) AS SPECIFIED IN AWWA C105.
- ALL THRUST BLOCKS SHALL BE A MINIMUM 18" THICK.

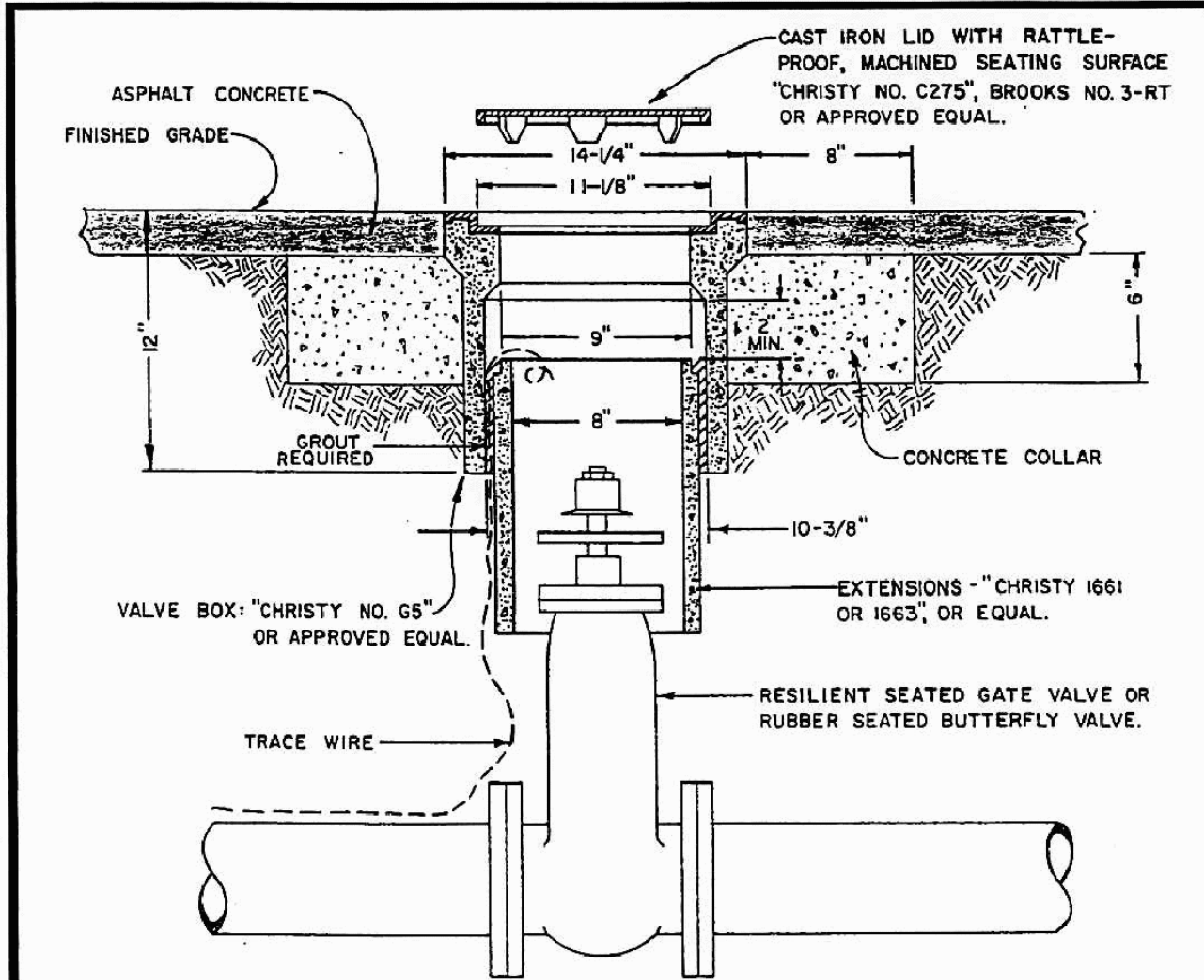
NO.	REVISED	BY	REQUIRED BEARING AREA OF THRUST BLOCK	APPROVED BY:
1	FEB. 1992	JK		
DRAWN BY:	J. KOESTER		CITY OF MANTECA DEPARTMENT OF PUBLIC WORKS	DIRECTOR OF PUBLIC WORKS
CHECKED BY:	J. PODESTA			
SCALE:	NONE			DRAWING NO. W-4 DATE: FEB 1992

TYPE OF FITTING	TEE AND DEAD END	CROSS WITH FUTURE EXTENSION	VERTICAL BEND	FIRE HYDRANT
THRUST BLOCK DESCRIPTION				
PIPE SIZE	4" 6" 8" 10" 12" 14" 16"	4 FT <sup>2</sup> 3 FT <sup>2</sup> 2 FT <sup>2</sup>	2 FT <sup>2</sup> 3 FT <sup>2</sup> 5 FT <sup>2</sup>	

NOTES:

- ALL BEARING AREAS SHOWN ARE MINIMUM VALUES FOR A HYDROSTATIC PRESSURE OF 150 PSI, SOIL RESISTANCE OF 2,000 LBS./SQ. FT. AND TWO (2) FOOT MINIMUM COVER.
- ALL THRUST BLOCKS SHALL BE MADE OF CLASS "B" CONCRETE WITH A MINIMUM CRUSHING STRENGTH OF 2,000 PSI AT 28 DAYS.
- ALL BLOCKS TO BE POURED AGAINST UNDISTURBED SOIL. THE BLOCKS SHALL BE PLACED SO THAT JOINTS AND FITTINGS WILL BE ACCESSIBLE FOR REPAIRS.
- FOR VERTICAL BENDS, ALL METALLIC TIE DOWNS SHALL BE ENCASED WITH POLYETHYLENE WRAP (8 MIL. MIN.) AS SPECIFIED IN AWWA C105.
- ALL THRUST BLOCKS SHALL BE A MINIMUM 18" THICK.
- THRUST BLOCKS AT FUTURE EXTENSIONS SHALL NOT EXCEED 24".

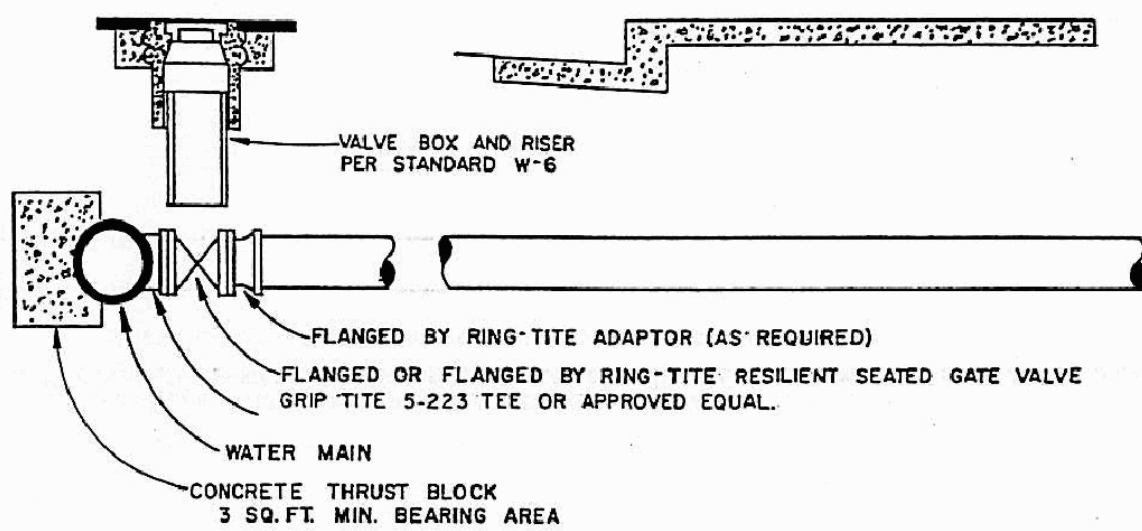
NO.	REVISED	BY	REQUIRED BEARING AREA OF THRUST BLOCK	APPROVED BY:
1	FEB. 1992	JK		
DRAWN BY:	J. KOESTER		CITY OF MANTECA DEPARTMENT OF PUBLIC WORKS	DIRECTOR OF PUBLIC WORKS
CHECKED BY:	J. PODESTA			
SCALE:	NONE			DRAWING NO. W-5 DATE: FEB 1992



NOTES:

- VALVE BOX AND LID SHALL BE "CHRISTY NO. 65" AND "CHRISTY NO. C275", BROOKS NO. 3-RT, OR EQUALS.
- ALL LIDS SHALL HAVE MACHINE SEATING SURFACES.
- EXTENSIONS SHALL BE AS MANUFACTURED FOR THE VALVE BOX SUPPLIED OR A.C. PIPE OF CORRECT SIZE MAY BE USED.
- CONCRETE COLLAR SHALL BE OF CLASS "B" CONCRETE AND SHALL BE CONSTRUCTED 2 1/2 INCHES BELOW FINISHED GRADE.
- RESILIENT SEATED GATE VALVE SHALL BE MUELLER, KENNEDY, AMERICAN AVK CO., OR APPROVED EQUAL.
- RESILIENT SEATED GATE VALVE SHALL HAVE A NON-RISING STEM AND CONFORM TO A.W.W.A. STANDARD C509 OF LATEST REVISION.
- RUBBER SEATED BUTTERFLY VALVE SHALL BE DRESSER 450, MUELLER B3211 OR APPROVED EQUAL.
- RUBBER SEATED BUTTERFLY VALVE SHALL CONFORM TO A.W.W.A. STANDARD C504 OF LATEST REVISION.
- RUBBER SEATED BUTTERFLY VALVES SHALL BE USED FOR PIPE SIZES LARGER THAN 12 INCHES.

NO.	REVISED	BY	STANDARD VALVE BOX	APPROVED BY:
4	OCT. 2003	JH		
DRAWN BY:	C. SABERTON		CITY OF MANTECA DEPARTMENT OF PUBLIC WORKS	DIRECTOR OF PUBLIC WORKS
CHECKED BY:	J. PODESTA			
SCALE:	NONE			DRAWING NO. W-6 DATE: JAN. 1988



NOTES:

- WATER METER TO BE INSTALLED ABOVE GROUND IN ACCORDANCE WITH CITY STANDARD W-16. WATER METER WILL BE SUPPLIED AND INSTALLED BY CITY.
- RESILIENT SEATED GATE VALVES, PER CITY STANDARD W-6, ARE REQUIRED FOR VALVE SIZES 2 THROUGH 12 INCHES.
- RUBBER SEATED BUTTERFLY VALVES ARE REQUIRED FOR VALVES LARGER THAN 12 INCHES.
- IF C-900 PIPE IS USED, MECHANICAL JOINTS MUST BE USED.
- A FIRE SPRINKLER SERVICE INSTALLATION WILL REQUIRE THE INSTALLATION OF A BACKFLOW PREVENTION DEVICE LOCATED ABOVE GROUND, AND A MAXIMUM OF 12 INCHES BEHIND THE PROPERTY LINE. THE BACKFLOW PREVENTER SHALL BE INSTALLED IN ACCORDANCE WITH CITY STANDARDS AVAILABLE IN THE CITY OF MANTECA'S PUBLIC WORKS DEPARTMENT.
- THE USE OF GALVANIZED PIPE IS NOT PERMITTED.

NO.	REVISED	BY	STANDARD WATER SERVICE INSTALLATION 3" & LARGER	APPROVED BY:
2	FEB. 1992	JK		
DRAWN BY:	J. KOESTER		CITY OF MANTECA DEPARTMENT OF PUBLIC WORKS	DIRECTOR OF PUBLIC WORKS
CHECKED BY:	J. PODESTA			
SCALE:	NONE			DRAWING NO. W-11 DATE: JAN. 1988



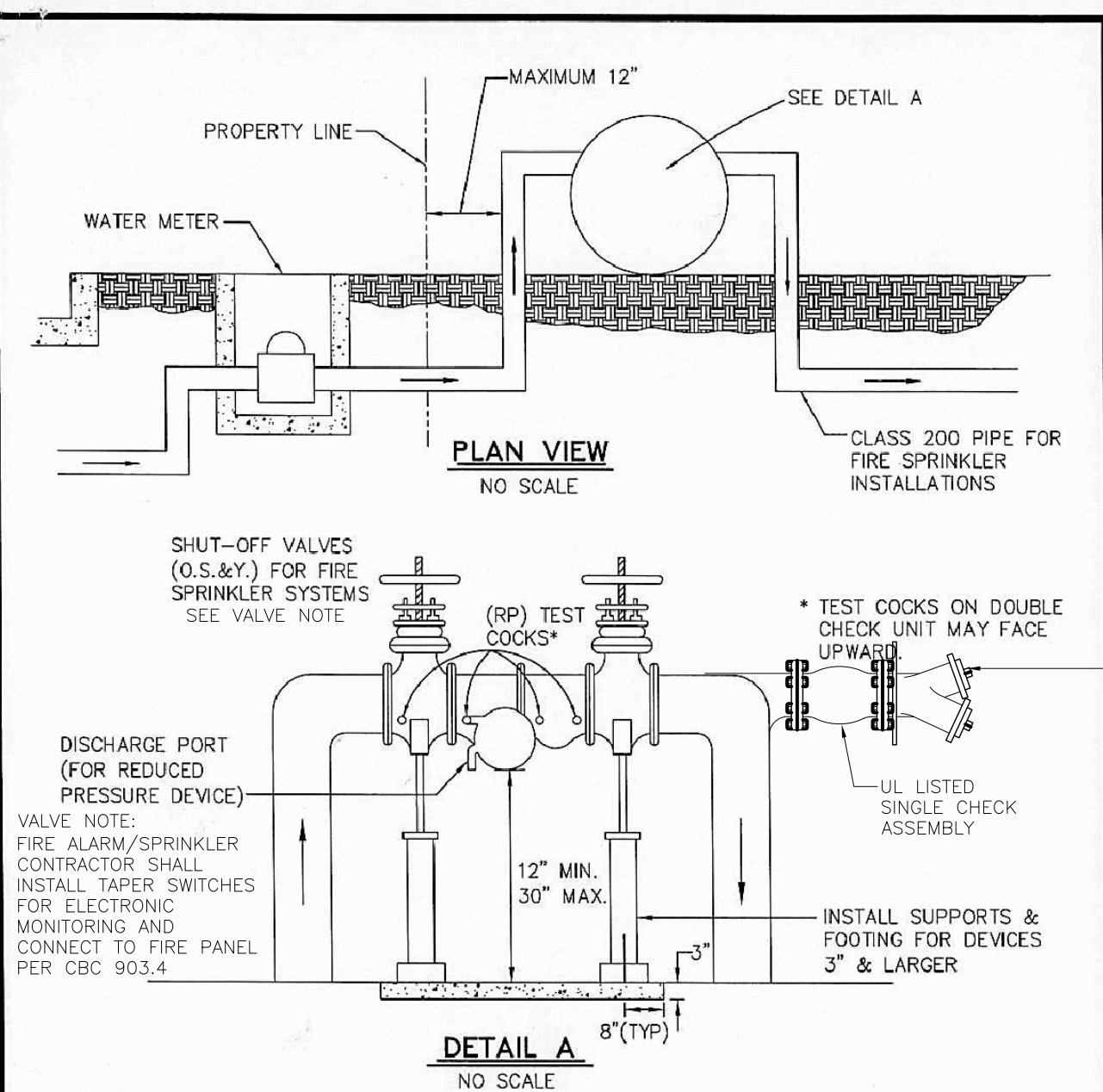
APPROVED TAPPING SLEEVES: (STAINLESS STEEL)

- ROMAC SST
- ROCKWELL 663
- FORD FAST
- APPROVED EQUAL

APPROVED TAPPING VALVES: (MUST BE RESILIENT SEAT)

- AMERICAN DARLING CRS-80
- WATEROUS SERIES 500
- APPROVED EQUAL

NO.	REVISED	BY	HOT TAPS	APPROVED BY:
DRAWN BY:	J. KOESTER		CITY OF MANTECA DEPARTMENT OF PUBLIC WORKS	DIRECTOR OF PUBLIC WORKS
CHECKED BY:	J. PODESTA			
SCALE:	NONE			DRAWING NO. W-14 DATE: FEB 1992



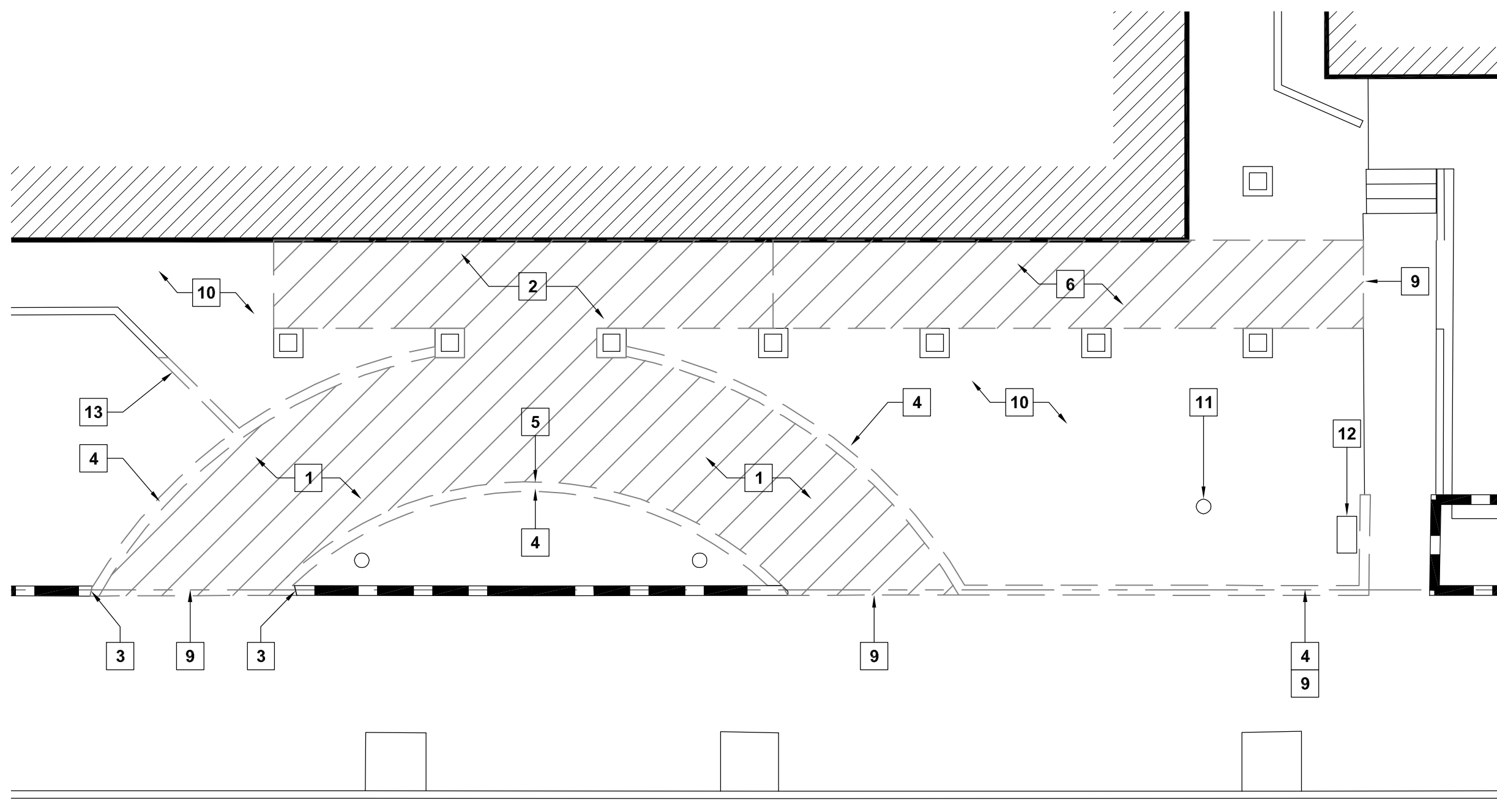
NOTES:

- ALL BACKFLOW DEVICES INSTALLED IN THE CITY OF MANTECA SHALL BE REDUCED PRESSURE ASSEMBLIES WITH THE EXCEPTION OF THOSE INSTALLED ON FIRE SYSTEMS (WITHOUT AUXILIARY SUPPLY) WHICH SHALL BE DOUBLE CHECK VALVE ASSEMBLIES. ALL DEVICES INSTALLED SHALL BE ON THE CITY'S APPROVED BACKFLOW PREVENTION ASSEMBLIES LIST.
- DEVICES MUST BE TESTED AND APPROVED BY A CITY APPROVED CERTIFIED TESTER PRIOR TO CITY ACCEPTANCE.
- TEST COCKS AND SHUT OFF VALVES MUST BE SUPPLIED AS SHOWN.
- THE DISCHARGE PORT MUST BE KEPT CLEAR OF OBSTRUCTION AT ALL TIMES.
- BACKFLOW DEVICES SHALL BE VISIBLE FROM THE STREET.
- DEVIATION FROM THE INSTALLATION SHOWN ABOVE MUST RECEIVE PRIOR CITY APPROVAL.
- FIRE SPRINKLER SYSTEM BACKFLOW DEVICES SHALL HAVE A WORKING PRESSURE OF 175 PSI.
- THE CONCRETE FOOTING SHALL BE FINISHED. CONCRETE MUST BE MIXED IN TRANSIT - NO TRAILER HAULED MIX.
- ONE UNION IS REQUIRED ON ALL NON-FLANGED PLUMBING INSTALLATIONS.

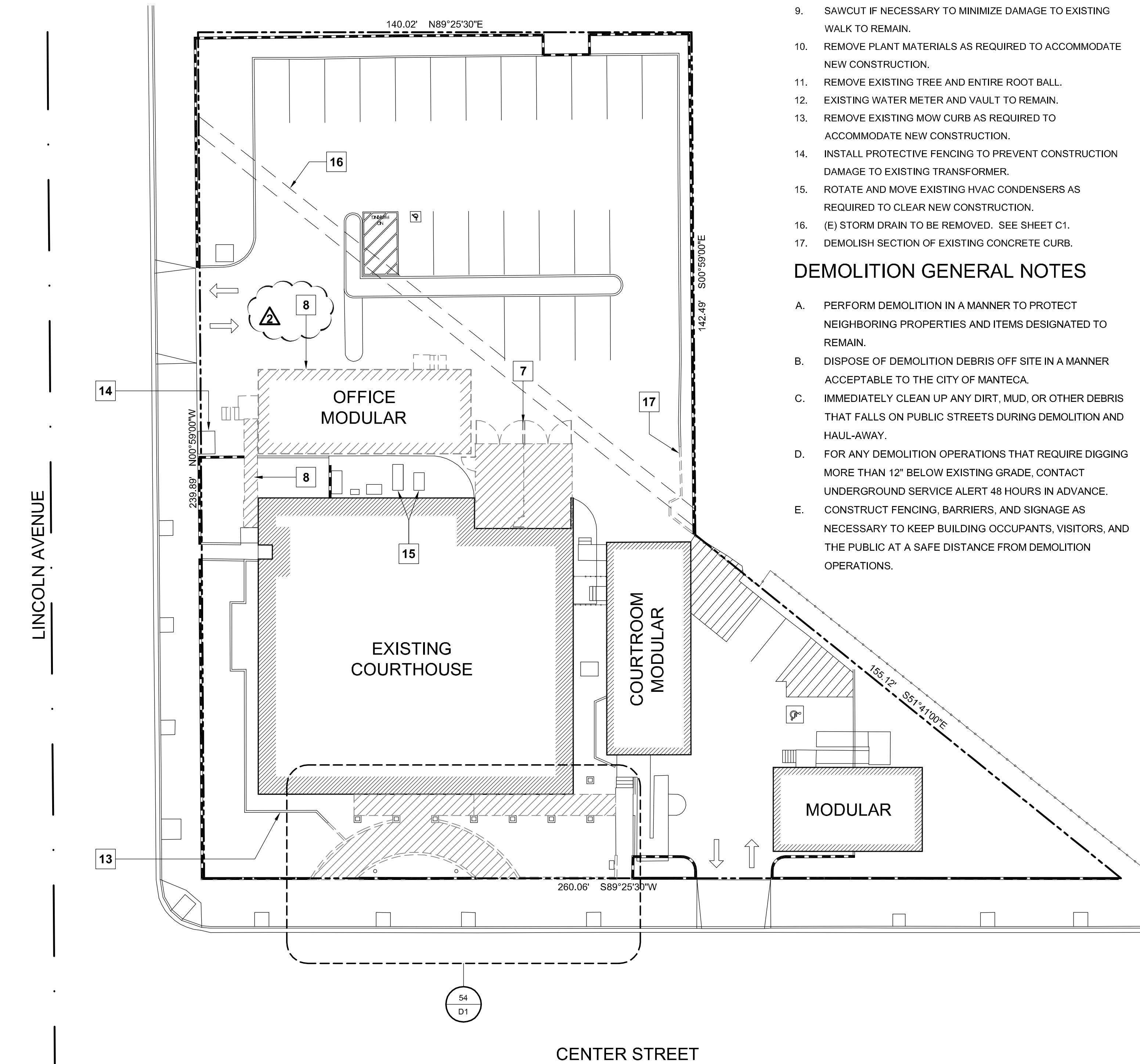
NO.	REVISED	BY	REDUCED PRESSURE/DOUBLE CHECK VALVE BACKFLOW PREVENTION DEVICE INSTALLATION	APPROVED BY:
8	APRIL, 2004	JH		
DRAWN BY:	J. KOESTER		CITY OF MANTECA DEPARTMENT OF PUBLIC WORKS	DIRECTOR OF PUBLIC WORKS
CHECKED BY:	J. PODESTA			
SCALE:	NONE			DRAWING NO. W-15 DATE: MAY, 1985



\\John\\Manteca Courthouse 1007\\Drawings\\Sheets\\Phase 1\\D1 - Phase 1 Site Demolition Plan.dwg, 8/26/2011 1:43:04 PM, PDF995



54 ENLARGED SITE DEMOLITION PLAN  
SCALE: 1/8" = 1'-0"



SITE DEMOLITION PLAN  
SCALE: 1" = 20'-0"

————— EXISTING TO REMAIN  
- - - - - EXISTING TO BE DEMOLISHED

### DEMOLITION KEYNOTES

1. EXISTING CONCRETE RAMP AND FOOTINGS TO BE DEMOLISHED.
2. EXISTING CONCRETE LANDING AND FOOTINGS TO BE DEMOLISHED (IDENTIFY AND PROTECT COLUMN FOOTINGS).
3. SAWCUT EXISTING RETAINING WALL TO ACCOMMODATE NEW WALL CONSTRUCTION.
4. REMOVE EXISTING RETAINING WALL AND FOOTINGS AS SHOWN.
5. CAREFULLY REMOVE AND PROTECT EXISTING DEDICATION PLAQUE FOR RE-INSTALLATION IN NEW CONSTRUCTION..
6. EXISTING WALK AND FOOTINGS TO BE DEMOLISHED (IDENTIFY AND PROTECT COLUMN FOOTINGS).
7. DISASSEMBLE AND REMOVE EXISTING CHAIN LINK FENCING AT SALLY PORT AREA.
8. REMOVE EXISTING MODULAR BUILDING, WOOD RAMP, AND STEPS.
9. SAWCUT IF NECESSARY TO MINIMIZE DAMAGE TO EXISTING WALK TO REMAIN.
10. REMOVE PLANT MATERIALS AS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION.
11. REMOVE EXISTING TREE AND ENTIRE ROOT BALL.
12. EXISTING WATER METER AND VAULT TO REMAIN.
13. REMOVE EXISTING MOW CURB AS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION.
14. INSTALL PROTECTIVE FENCING TO PREVENT CONSTRUCTION DAMAGE TO EXISTING TRANSFORMER.
15. ROTATE AND MOVE EXISTING HVAC CONDENSERS AS REQUIRED TO CLEAR NEW CONSTRUCTION.
16. (E) STORM DRAIN TO BE REMOVED. SEE SHEET C1.
17. DEMOLISH SECTION OF EXISTING CONCRETE CURB.

### DEMOLITION GENERAL NOTES

- A. PERFORM DEMOLITION IN A MANNER TO PROTECT NEIGHBORING PROPERTIES AND ITEMS DESIGNATED TO REMAIN.
- B. DISPOSE OF DEMOLITION DEBRIS OFF SITE IN A MANNER ACCEPTABLE TO THE CITY OF MANTECA.
- C. IMMEDIATELY CLEAN UP ANY DIRT, MUD, OR OTHER DEBRIS THAT FALLS ON PUBLIC STREETS DURING DEMOLITION AND HAUL-AWAY.
- D. FOR ANY DEMOLITION OPERATIONS THAT REQUIRE DIGGING MORE THAN 12" BELOW EXISTING GRADE, CONTACT UNDERGROUND SERVICE ALERT 48 HOURS IN ADVANCE.
- E. CONSTRUCT FENCING, BARRIERS, AND SIGNAGE AS NECESSARY TO KEEP BUILDING OCCUPANTS, VISITORS, AND THE PUBLIC AT A SAFE DISTANCE FROM DEMOLITION OPERATIONS.

PROJECT

**SUPERIOR COURT  
OF CALIFORNIA  
COUNTY OF SAN JOAQUIN**

**MANTECA BRANCH  
SITE AND BUILDING  
IMPROVEMENTS**

**PHASE 1**

CLIENT JOB # ARCHITECT JOB #  
**1007**

**FRASER  
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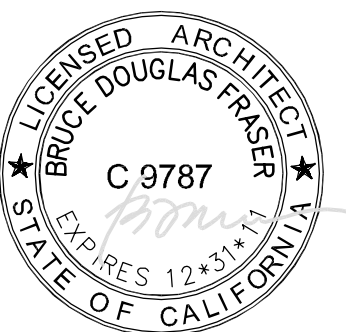
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PROJECT MANAGER BDF

DRAWN BY DL

DATES 05/05/11  
06/20/11  
09/01/11

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SHEET TITLE

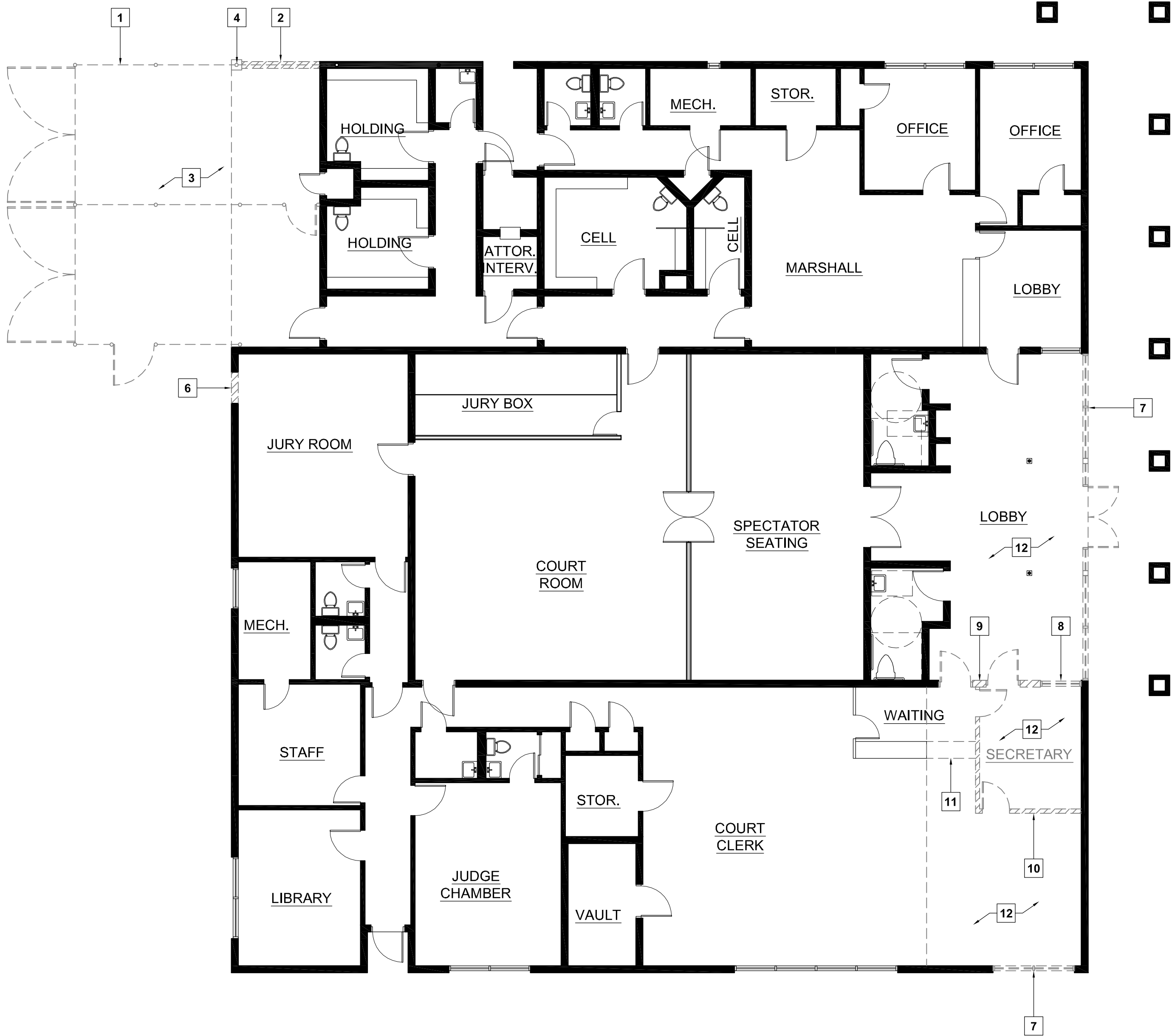
**PHASE I  
SITE DEMOLITION  
PLAN**

SHEET #

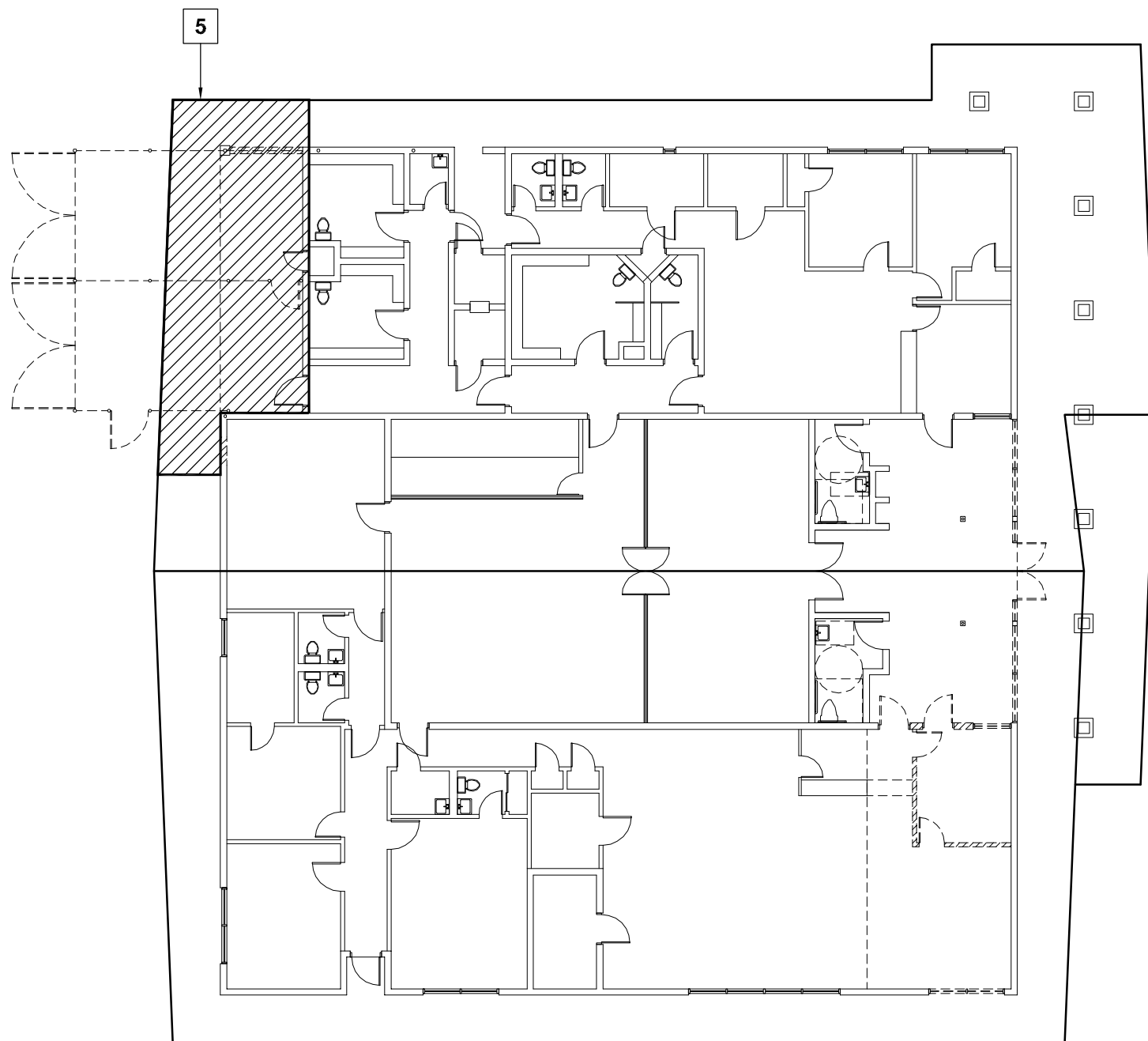
**D1**



\\John\Manteca Courthouse 1007\Drawings\Sheets\Phase 1\D2 - Phase 1 Demolition Floor Plan.dwg, 8/26/2011 1:43:55 PM, PDF995



**DEMOLITION FLOOR PLAN**  
SCALE: 1/8" = 1'-0"



**DEMOLITION ROOF PLAN**  
SCALE: 1/16" = 1'-0"

**LEGEND**

- EXISTING WALL TO REMAIN AND PROTECT
- EXISTING TO BE REMOVED

**KEYNOTES:**

- DEMOLISH EXISTING CHAIN LINK SALLYPORT.
- DEMOLISH EXISTING BLOCK WALL AND PERIMETER FOUNDATION.
- DEMOLISH CONCRETE SLAB AT SALLYPORT.
- DEMOLISH EXISTING STRUCTURAL COLUMN AND FOUNDATION.
- PORTION OF EXISTING ROOF TO BE COMPLETELY DEMOLISHED.
- SAWCUT OPENING IN EXISTING BLOCK WALL FOR NEW DOOR.
- DEMOLISH EXISTING STOREFRONT.
- DOORS, WINDOWS, AND FRAMES TO BE REMOVED AND DELIVERED TO THE OWNER AS DIRECTED.
- SAWCUT AND DEMOLISH PORTION OF EXISTING INTERIOR BLOCK WALL.
- EXISTING WOOD FRAMED WALL TO BE DEMOLISHED AND REMOVED FROM SITE; PULL WIRING AND OTHER INSTALLATIONS INTO ATTIC SPACE TO CLEAR NEW CONSTRUCTION.
- CAREFULLY CUT EXISTING COUNTER AND PROVIDE TEMPORARY SUPPORT.
- ALL CEILING TILES AND LIGHT FIXTURES IN THIS AREA TO BE REMOVED AND DELIVERED TO THE OWNER AS DIRECTED. CEILING SUSPENSION SYSTEM AND GYPSUM BOARD CEILING SURFACES TO BE REMOVED FROM SITE.

PROJECT

**SUPERIOR COURT  
OF CALIFORNIA  
COUNTY OF SAN JOAQUIN**

**MANTECA BRANCH  
SITE AND BUILDING  
IMPROVEMENTS**

**PHASE 1**

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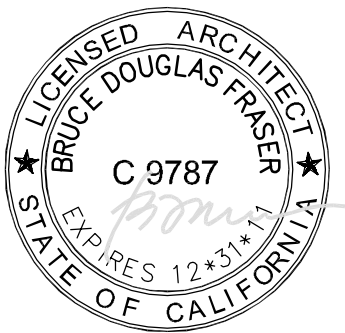
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PROJECT MANAGER BDF

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DATES 05/05/11  
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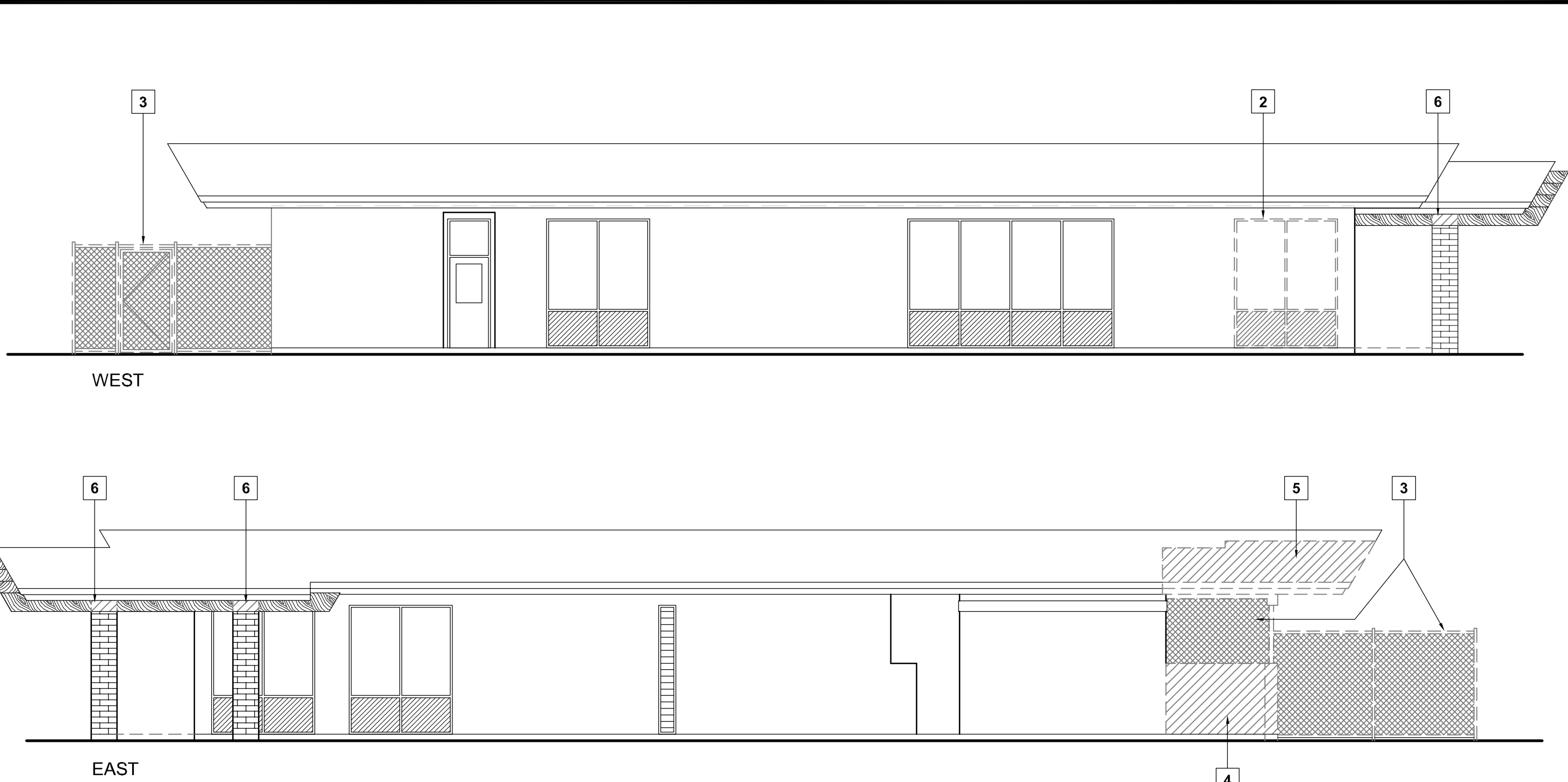
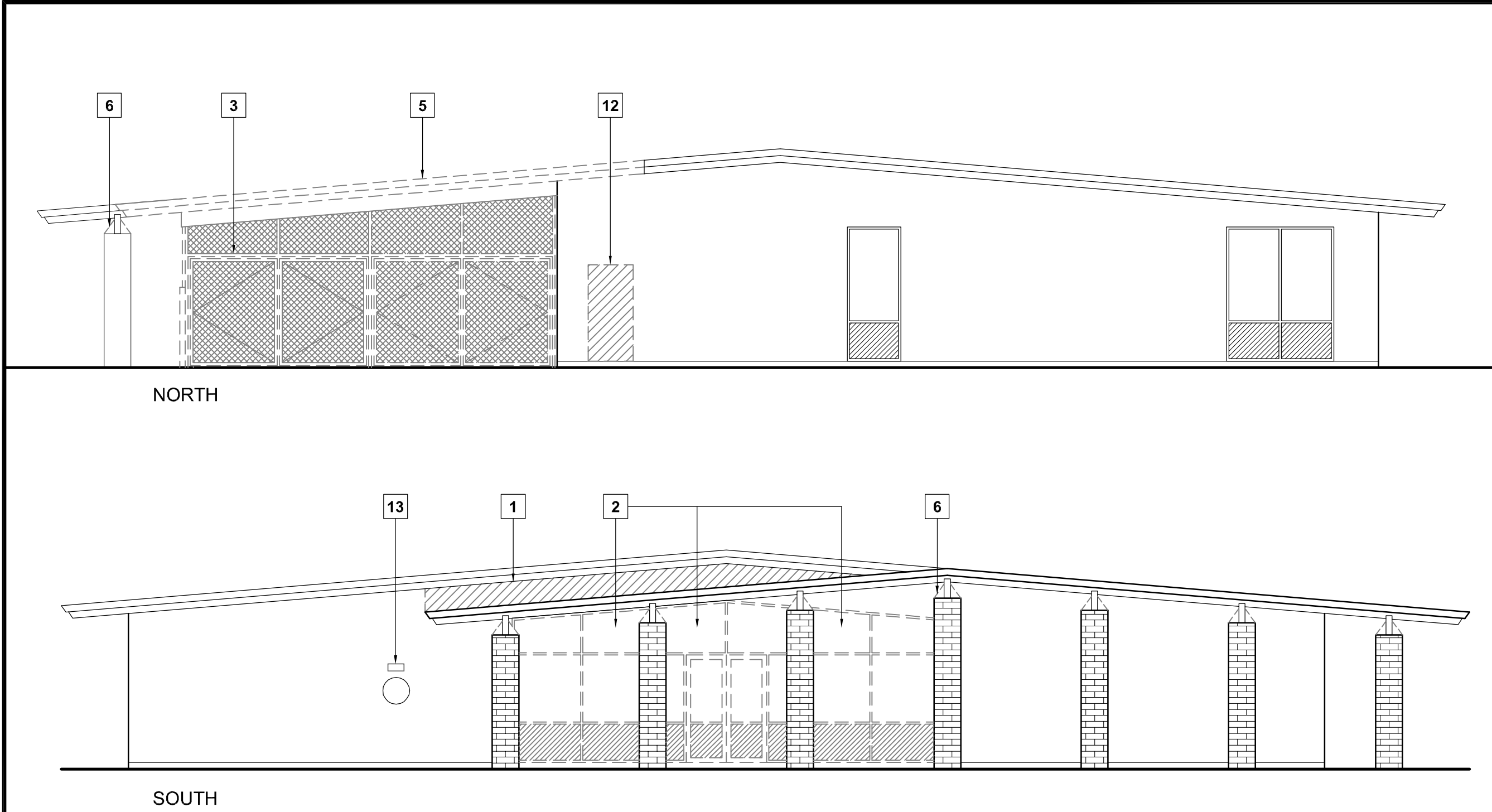
SHEET TITLE

**PHASE I  
DEMOLITION  
FLOOR PLAN,  
ROOF PLAN**

SHEET #

**D2**

\\John\Maneca Courthouse 1007\Drawings\Sheets\Phase 1\03 - Phase I Demolition Elevations.dwg, 8/26/2011 1:44:34 PM, PDF995



## PHASE I DEMOLITION ELEVATIONS

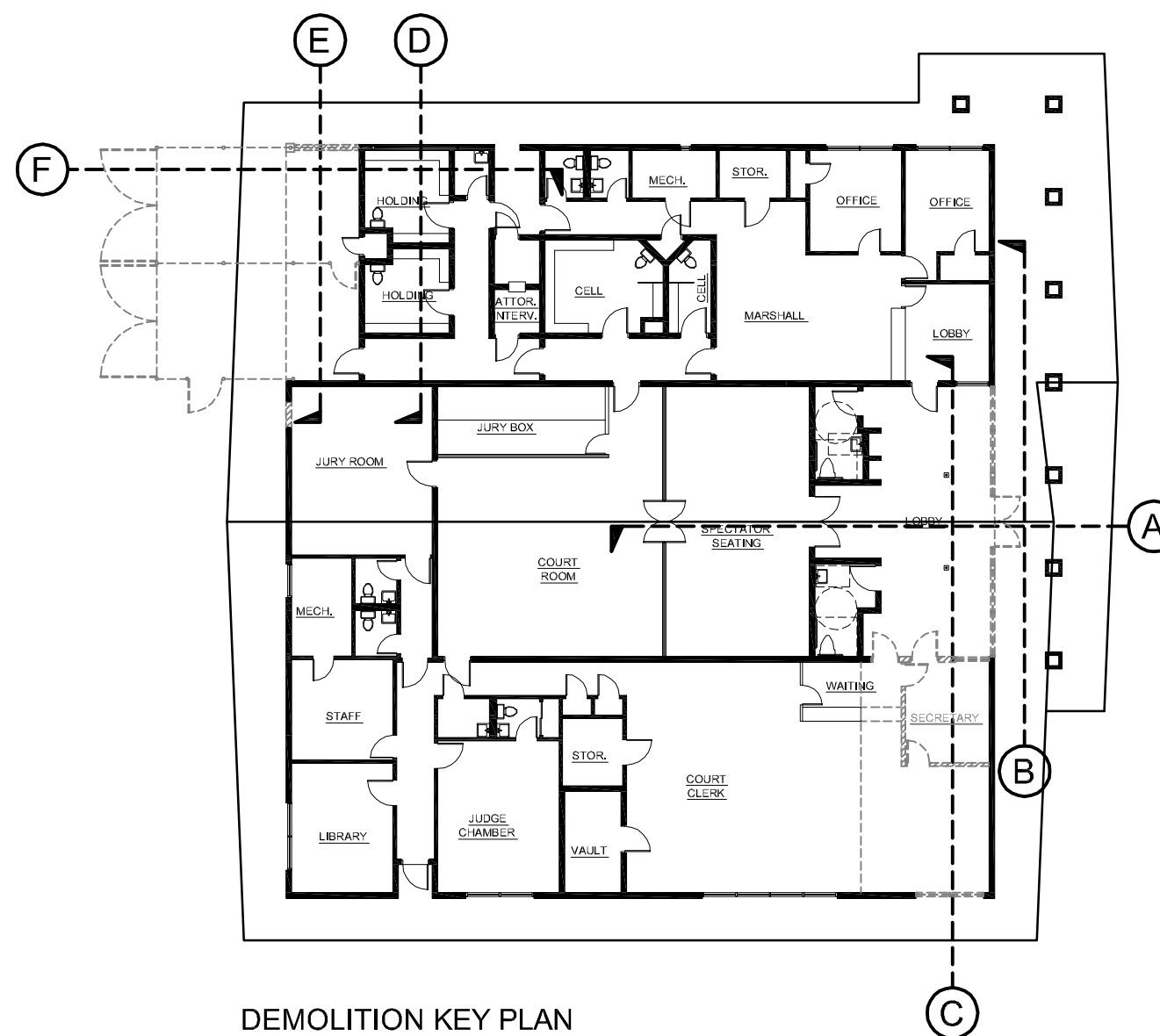
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### LEGEND

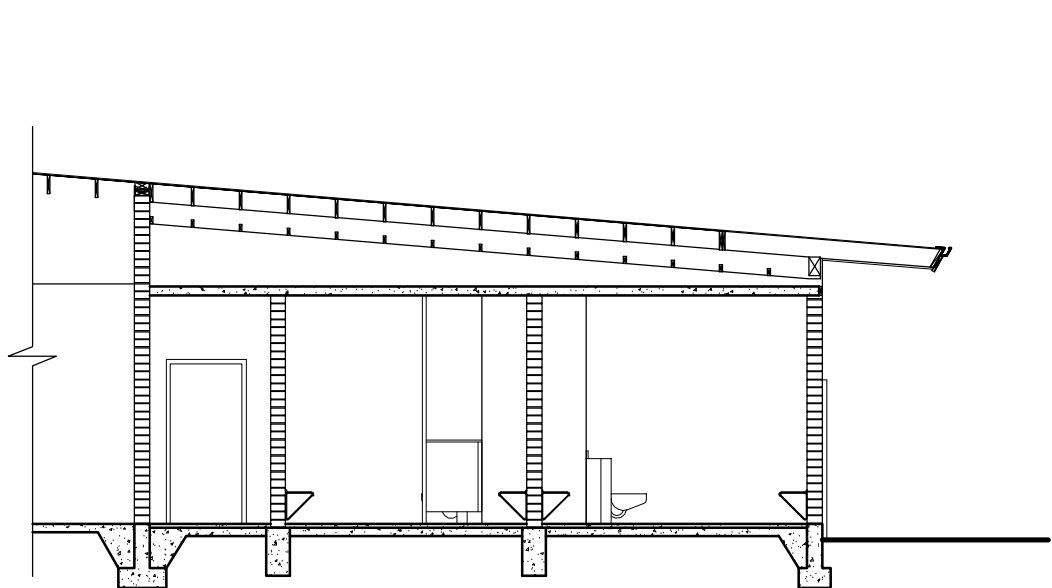
- EXISTING TO REMAIN AND PROTECT  
--- EXISTING TO BE DEMOLISHED

### KEYNOTES:

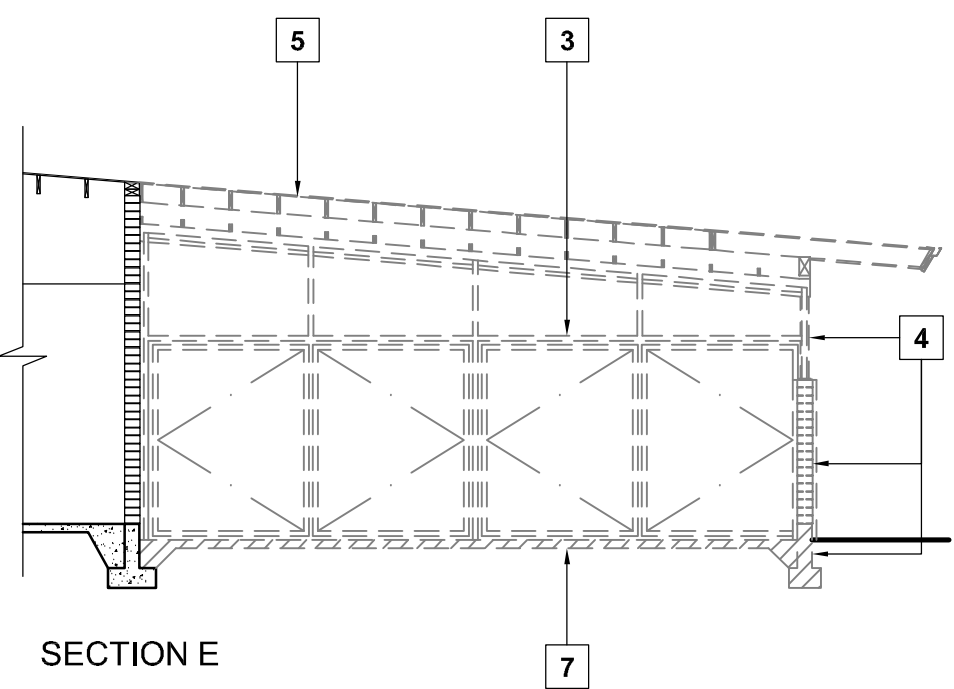
- EXISTING SIDING TO BE REMOVED.
- DISASSEMBLE AND REMOVE EXISTING STOREFRONT AND ENTRY DOORS.
- DISASSEMBLE AND REMOVE EXISTING CHAIN LINK AT SALLYPORT.
- DEMOLISH EXISTING BLOCK WALL, STRUCTURAL COLUMN, AND PERIMETER FOUNDATION.
- PORTION OF EXISTING ROOF TO BE DEMOLISHED.
- METAL FILLERS TO BE REMOVED.
- DEMOLISH EXISTING CONCRETE SLAB.
- DOORS, WINDOWS, AND FRAMES TO BE REMOVED AND DELIVERED TO OWNER AS DIRECTED.
- SAWCUT AND DEMOLISH PORTION OF EXISTING INTERIOR BLOCK WALL.
- EXISTING WOOD FRAMED WALL TO BE DEMOLISHED AND REMOVED FROM SITE; PULL WIRING AND OTHER INSTALLATIONS INTO ATTIC SPACE TO CLEAR NEW CONSTRUCTION.
- ALL CEILING TILES, LIGHT FIXTURES AND SUSPENSION SYSTEM IN THIS AREA TO BE REMOVED AND DELIVERED TO OWNER AS DIRECTED.
- SAWCUT OPENING IN EXISTING BLOCK WALL FOR NEW DOOR.
- REMOVE EXISTING ADDRESS NUMBERS.



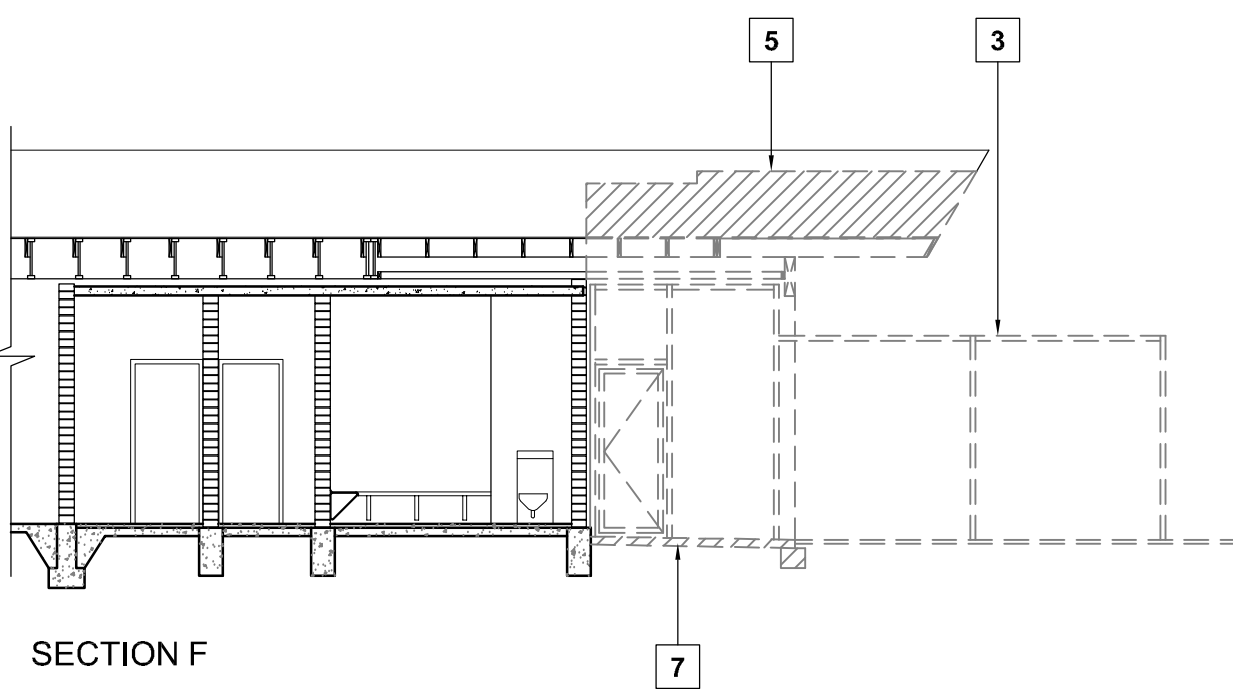
DEMOLITION KEY PLAN



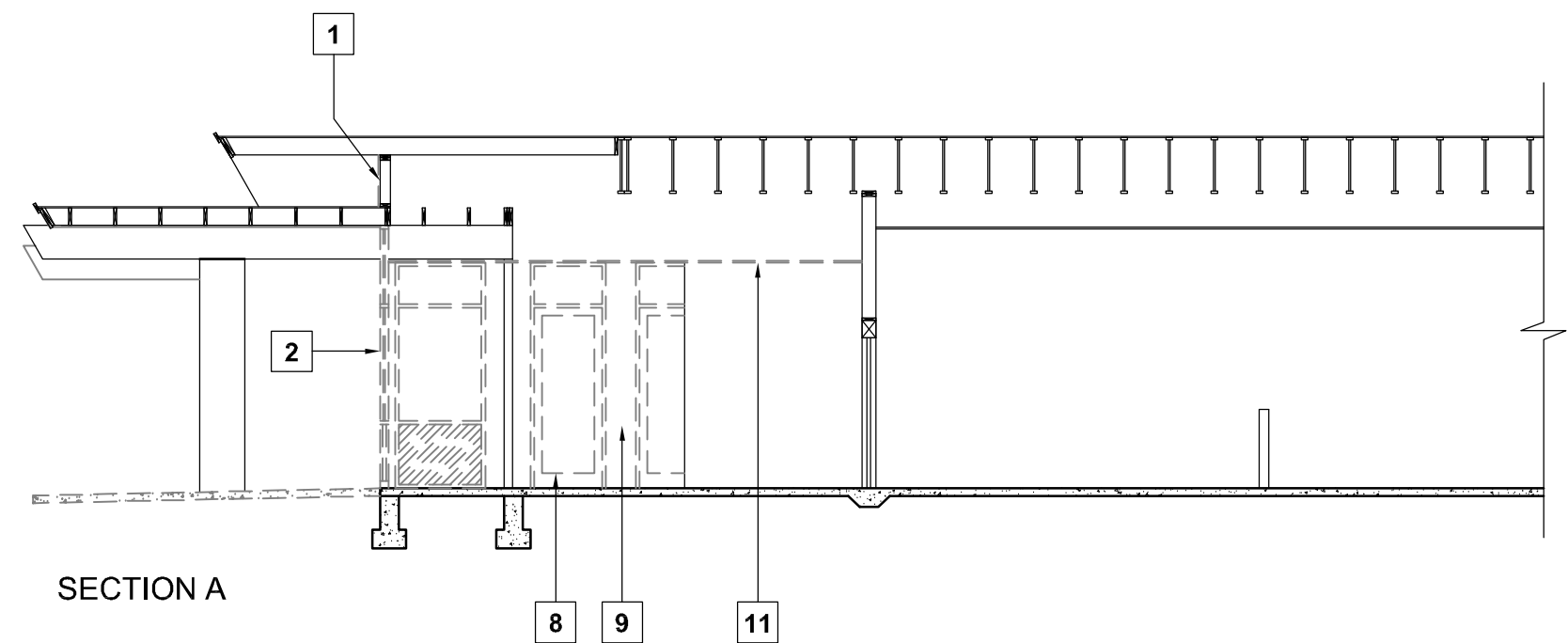
SECTION D



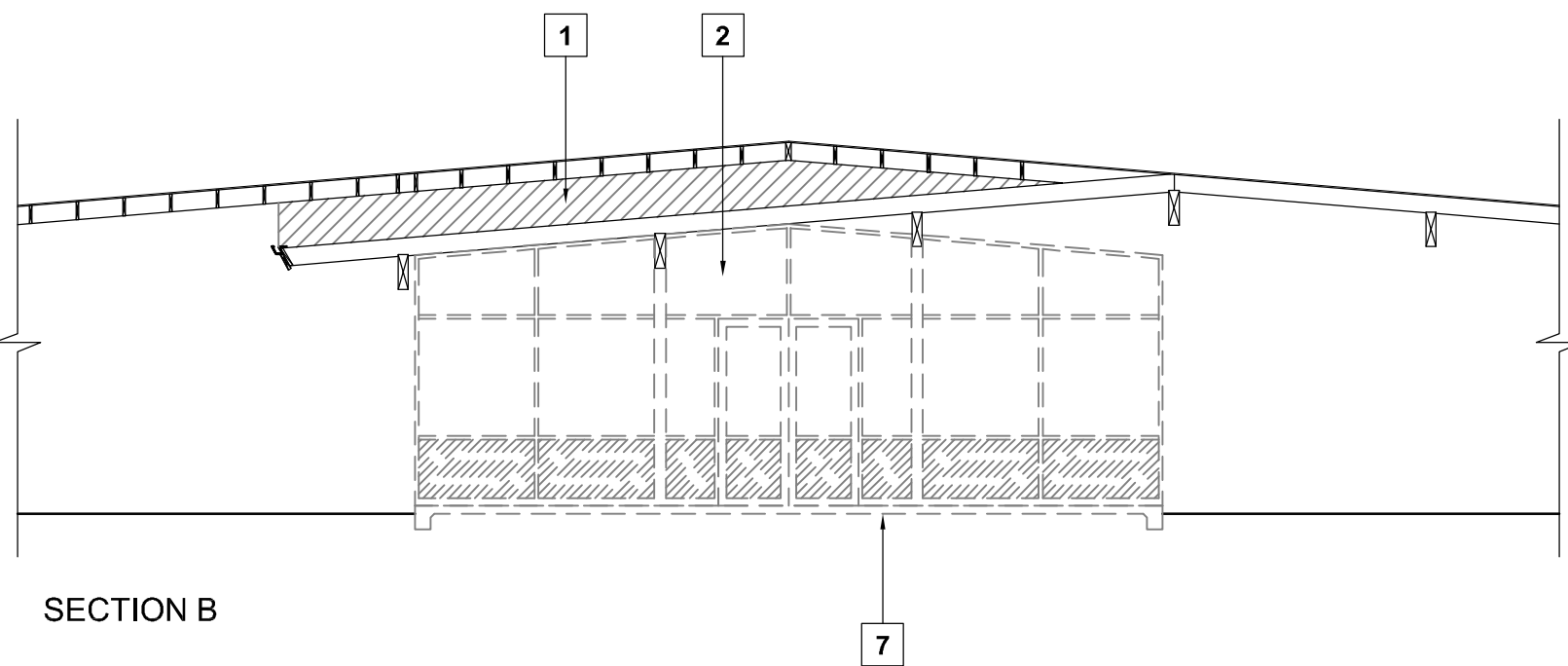
SECTION E



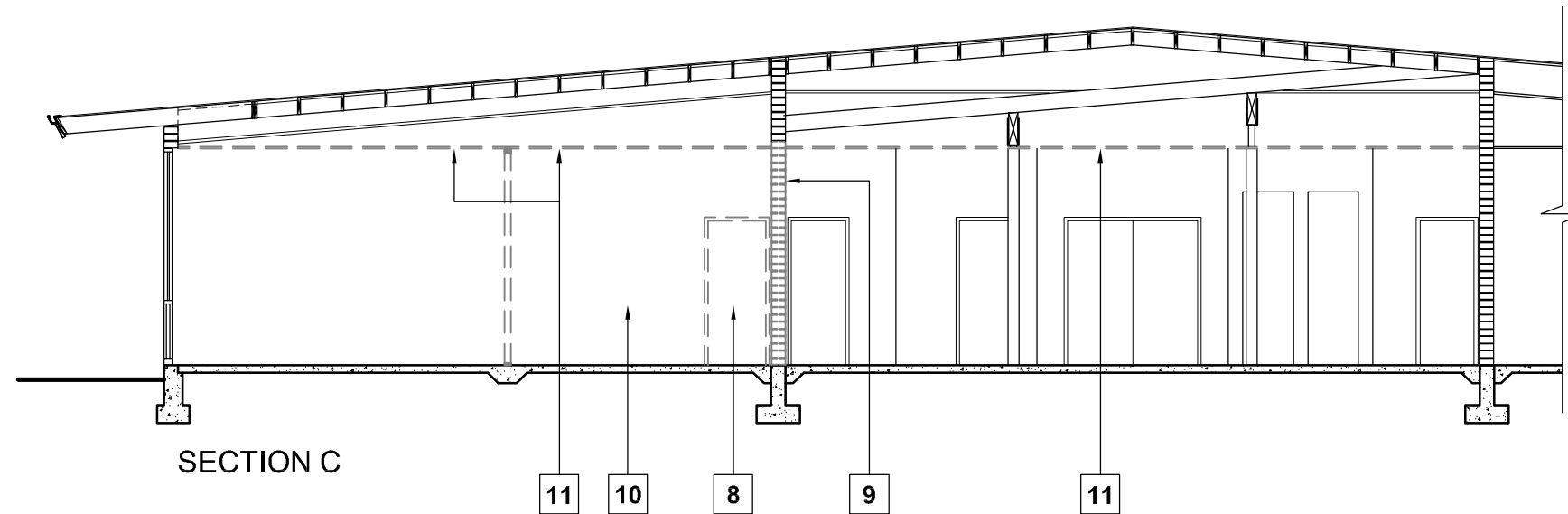
SECTION F



SECTION A



SECTION B



SECTION C

## PHASE I DEMOLITION SECTIONS

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

PROJECT

**SUPERIOR COURT  
OF CALIFORNIA  
COUNTY OF SAN JOAQUIN**

**MANTECA BRANCH  
SITE AND BUILDING  
IMPROVEMENTS**

**PHASE 1**

CLIENT JOB # ARCHITECT JOB #  
**1007**

**FRASER  
SEIPLE  
ARCHITECTS**

971 OSOS STREET  
SAN LUIS OBISPO  
CALIFORNIA 93401

805-544-6161

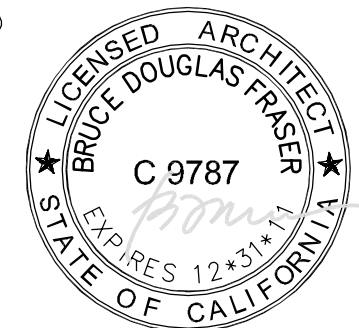
[www.fraserseiplearchitects.com](http://www.fraserseiplearchitects.com)

PROJECT MANAGER BDF

DRAWN BY DL

DATES 05/05/11  
06/20/11  
09/01/11  
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SHEET TITLE

**PHASE I  
DEMOLITION  
ELEVATIONS,  
SECTIONS**

SHEET #

**D3**



Project Name			(Part 1 of 3)		<b>PERF-10</b>	
<b>Manitex Court House</b> Project Address <b>315 E Center Street    Manitex</b>			Date <b>6/20/2011</b>		Addition Floor Area <b>0</b>	
<b>GENERAL INFORMATION</b> Building Type: <input type="checkbox"/> Nonresidential <input type="checkbox"/> High-Rise Residential <input type="checkbox"/> Hotel/Motel Guest Room <input type="checkbox"/> Relocatable - indicate <input type="checkbox"/> specific climate zone <input type="checkbox"/> all climates			Phase of Construction: <input type="checkbox"/> New Construction <input type="checkbox"/> Alteration			
<b>STATEMENT OF COMPLIANCE</b> This certificate of compliance lists the building features and specifications needed to comply with Title 24, Parts 1 and 6 of the California Code of Regulations. This certificate applies only to a Building using the performance compliance approach.						
The documentation author hereby certifies that the documentation is accurate and complete.						
<b>Documentation Author</b> Name <b>JAMES L. VAN DE VENTER, P.E.</b>			Signature		Date <b>6/20/2011</b>	
Company <b>J/V Mechanical Engineering</b> Address <b>1023 Nipomo Street, Suite 200</b> City/State/Zip <b>San Luis Obispo, CA 93401</b>			Phone <b>(805) 543-3190</b>			
The Principal Designer certifies that the proposed building design represented in this set of construction documents is consistent with the other compliance forms and worksheets, with the specifications, and with any other calculations submitted with this permit application. The proposed building has been designed to meet the energy efficiency requirements contained in sections 110, 116 through 118, and 140 through 149 of Title 24, Part 6. Please check one: <b>ENV.    LTG.    MECH.</b>						
<input type="checkbox"/> I hereby affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code to sign this document as the person responsible for its preparation; and that I am licensed in the State of California as a civil engineer, mechanical engineer, electrical engineer, or I am a licensed architect. I affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code by section 5537.2 or 6737.3 to sign this document as the person responsible for its preparation; and that I am a licensed contractor performing this work. <input type="checkbox"/> I affirm that I am eligible under Division 3 of the Business and Professions Code to sign this document because it pertains to a structure or type of work described as exempt pursuant to Business and Professions Code Sections 5537, 5538, and 6737.1.						
<b>Principal Envelope Designer</b> Name			Signature		Date	
Company <b>Fraser Seiple Architects</b> Address <b>977 Ocean Street</b> City/State/Zip <b>San Luis Obispo, CA 93401</b>			License #		Phone <b>(805) 544-6161</b>	
<b>Principal Mechanical Designer</b> Name			Signature		Date	
Company <b>Mechanical Compliance Not In The Scope Of This Submittal</b> Address			License #		Phone	
City/State/Zip						
<b>Principal Lighting Designer</b> Name			Signature		Date	
Company <b>Lighting Compliance Not In The Scope Of This Submittal</b> Address			License #		Phone	
City/State/Zip						
<b>(INSTRUCTIONS TO APPLICANT COMPLIANCE &amp; WORKSHEETS (check box if worksheets are included)</b> <input type="checkbox"/> ENV-1/C    Certificate of Compliance. Required on plans. <input type="checkbox"/> MECH-1/C    Certificate of Compliance. Required on plans. <input type="checkbox"/> LTG-1/C    Certificate of Compliance. Required on plans. <input type="checkbox"/> MECH-2/C    Air/Water Side Service Hot Water & Pool Requirements. <input type="checkbox"/> LTG-2/C    Lighting Controls Worksheet. <input type="checkbox"/> MECH-3/C    Mechanical Ventilation and Exhaust <input type="checkbox"/> LTG-3/C    Lighting Power Allowance <input type="checkbox"/> MECH-4/C    Mechanical Equipment Details						
EnergyPro 5.1 by LightSoft    User Number: 4543			RunCode: 2011-06-20T13:57:52		ID: M11014	
Page 3 of 9						

PERFORMANCE CERTIFICATE OF COMPLIANCE

(Part 2 of 3)

PERF-1C

Project Name

Manitaca Court House

Date

6/20/2011

ANNUAL TDV ENERGY USE SUMMARY (kBtu/sqft-yr)

Energy Component	Standard Design	Proposed Design	Compliance Margin
Space Heating	42.14	76.17	-34.03
Space Cooling	223.89	203.73	20.16
Indoor Fans	188.21	173.42	14.79
Heat Rejection	0.00	0.00	0.00
Pumps & Misc.	0.00	0.00	0.00
Domestic Hot Water	0.00	0.00	0.00
Lighting	37.54	37.54	0.00
Receptacle	11.37	11.37	0.00
Process	0.00	0.00	0.00
Process Lighting	0.00	0.00	0.00
<b>TOTALS</b>	503.16	502.23	0.93

Percent better than Standard

0.2 %

(0.2 % excluding process)

GENERAL INFORMATION

Building Orientation	(N) 0 deg	Conditioned Floor Area	220	sqft.
Number of Stories	1	Unconditioned Floor Area	0	sqft.
Number of Systems	1	Conditioned Footprint Area	220	sqft.
Number of Zones	1	Natural Gas Available On Site	Yes	

	Orientation	Glazing Area		Glazing Area	Glazing Ratio
Front Elevation	(N)	0	sqft.	0	0.0 %
Left Elevation	(E)	311	sqft.	69	22.2 %
Rear Elevation	(S)	384	sqft.	311	80.9 %
Right Elevation	(W)	311	sqft.	69	22.2 %
Total		1,005	sqft.	449	44.6 %
Roof		220	sqft.	0	0.0 %

	Standard	Proposed	
Prescriptive Lighting Power Density	0.800	0.800	W/sqft.
Prescriptive Envelope TDV Energy	59.987	59.709	W/sqft.

Prescriptive Values for Comparison only. See LTG-1C for allowed LPD.

Remarks:

EnergyPro 5.1 by EnergySoft




User Number: 4543

Run Code: 2011-06-20113-57-52

ID: M11014

Page 4 of 9

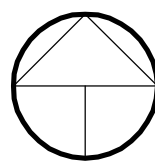
[illegible][illegible][illegible][illegible][illegible]

PROJECT	
<b>SUPERIOR COURT OF CALIFORNIA COUNTY OF SAN JOAQUIN</b>	
<b>MANTECA BRANCH SITE AND BUILDING IMPROVEMENTS</b>	
<b>PHASE 1</b>	
CLIENT JOB #	ARCHITECT JOB # <b>1007</b>
 <div>971 OSOS STREET SAN LUIS OBISPO CALIFORNIA 93401  805-544-6161  <a href="http://www.fraserseiplearchitects.com">www.fraserseiplearchitects.com</a></div>	
PROJECT MANAGER BDF	
DRAWN BY	DL
DATES	<div>05/05/11</div> <div> 06/20/11</div> <div>09/01/11</div> <div></div> <div></div> <div></div>
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SHEET TITLE	<b>ENVELOPE TITLE 24 COMPLIANCE FORMS</b>
SHEET #	<b>A0.1</b>



\\John\\Manteca Courthouse 1007\\Drawings\\Sheets\\Phase 1\\A1.1 - Phase 1 Site Plan.dwg, 8/26/2011 1:46:32 PM, PDF995

LINCOLN AVENUE



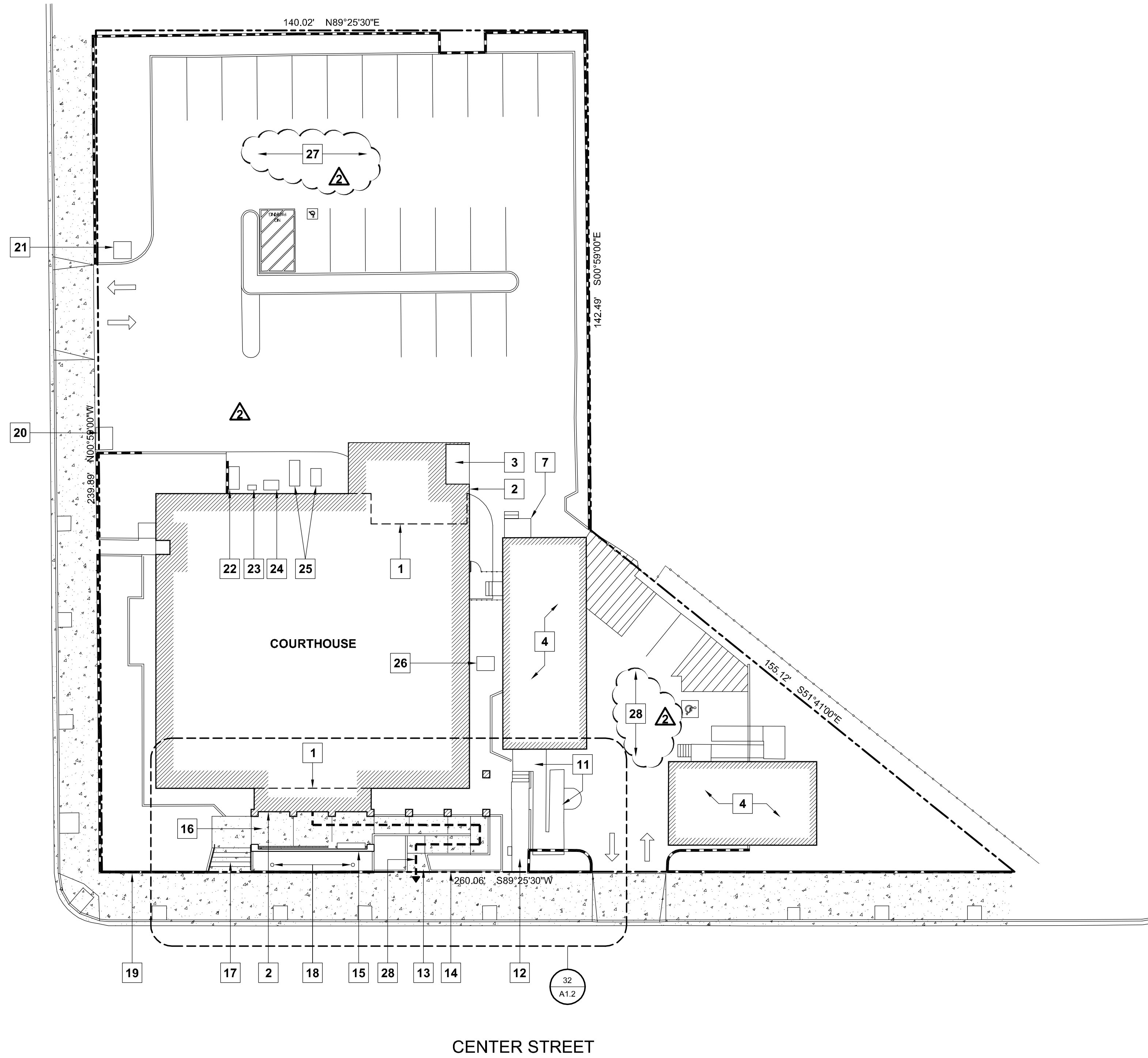
## PHASE 1 SITE PLAN

SCALE: 1" = 20'-0"

### SITE PLAN KEYNOTES



1. LINE OF EXISTING BUILDING WALL.
2. LINE OF NEW BUILDING WALL.
3. NEW CONCRETE SALLYPORT LANDING.
4. EXISTING PORTABLE BUILDING TO REMAIN DURING PHASE 1 CONSTRUCTION. SEE PHASE 2 SITE DEMOLITION PLAN.
5. NOT USED.
6. NOT USED.
7. RELOCATED WOOD STAIR SET.
8. RELOCATED WOOD LANDING.
9. NOT USED.
10. NOT USED.
11. EXISTING WOOD RAMP, STAIR SET, AND LANDINGS TO REMAIN DURING PHASE 1. SEE PHASE 2 SITE DEMOLITION PLANS.
12. EXISTING CONCRETE WALK TO REMAIN DURING PHASE 1.
13. NEW CONCRETE RAMP AND LANDING.
14. NEW CONCRETE CURB.
15. NEW CONCRETE BLOCK WALL/SIGN MONUMENT.
16. NEW CONCRETE LANDING.
17. NEW CONCRETE STAIR SET.
18. EXISTING FLAGPOLES TO REMAIN.
19. EXISTING CONCRETE BLOCK WALLS TO REMAIN.
20. (E) TRANSFORMER TO REMAIN DURING PHASE 1. SEE PHASE 2 SITE PLAN.
21. (E) PG&E VAULT.
22. (E) PG&E METER.
23. (E) GAS METER.
24. (E) MAIN ELECTRICAL PANEL.
25. (E) RELOCATED AC UNITS.
26. (E) AC UNIT.
27. EXISTING NORTH PARKING LOT TO BE DEMOLISHED PER PHASE 2 SITE DEMOLITION PLAN. SEE PHASE 2 PLANS FOR SITE IMPROVEMENTS .
28. EXISTING SOUTH PARKING LOT TO BE DEMOLISHED PER PHASE 2 SITE DEMOLITION PLAN. SEE PHASE 2 PLANS FOR SITE IMPROVEMENTS .



ARCHITECT HAS SURVEYED / INSPECTED THE PATH OF TRAVEL (P.O.T.) AS INDICATED ON THE PLANS AND HAS FOUND IT TO BE, OR HAS INDICATED ON THE PLANS REMEDIAL WORK WHICH WOULD CAUSE IT TO BE, A BARRIER-FREE ACCESSIBLE ROUTE:

- AT LEAST 48" IN WIDTH; OR AS APPROVED BY CODE.
- WITHOUT ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1:2 MAXIMUM SLOPE, OR VERT. LEVEL CHANGES EXCEEDING 1/4"
- WITH A FIRM, STABLE, AND SLIP RESISTANT WALKING SURFACE;
- WITH A RUNNING SLOPE OF 1:20 OR LESS, UNLESS OTHERWISE INDICATED, AND A CROSS SLOPE OF 1:50 OR LESS;
- IS FREE OF OVERHEAD OBSTRUCTIONS WITHIN 80" ABOVE THE WALKING SURFACE; AND
- IS FREE OF OBJECTS WHICH PROTRUDE MORE THAN 4" BETWEEN THE HEIGHTS OF 27" AND 80" ABOVE THE WALKING SURFACE.

PROJECT

**SUPERIOR COURT  
OF CALIFORNIA  
COUNTY OF SAN JOAQUIN**

**MANTECA BRANCH  
SITE AND BUILDING  
IMPROVEMENTS**

**PHASE 1**

CLIENT JOB # ARCHITECT JOB #

1007

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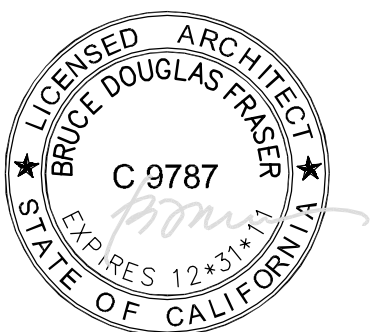
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SHEET TITLE

**PHASE I SITE PLAN**

SHEET #

**A1.1**

PROJECT

**SUPERIOR COURT  
OF CALIFORNIA  
COUNTY OF SAN JOAQUIN**

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SITE AND BUILDING  
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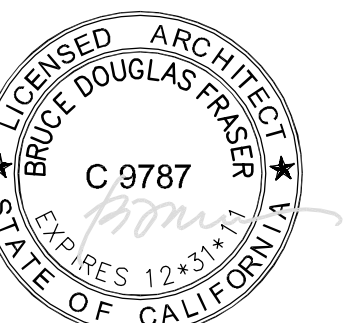
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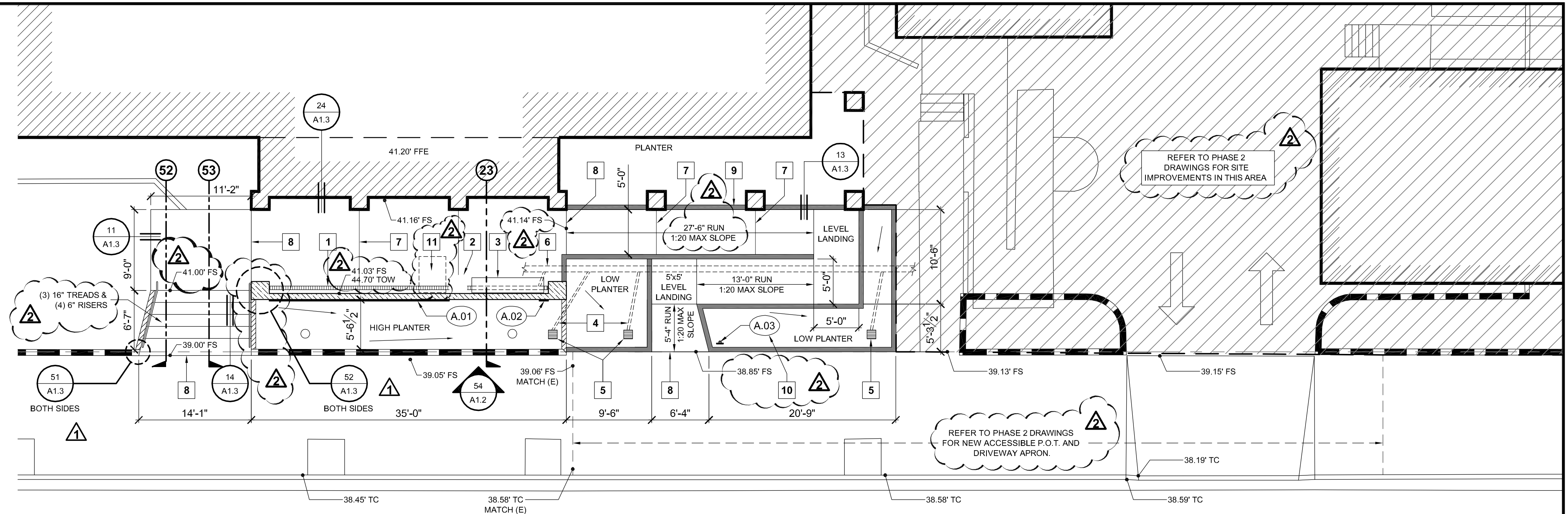
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SHEET TITLE

**PHASE I  
SITE DETAILS**

SHEET #

**A1.2**



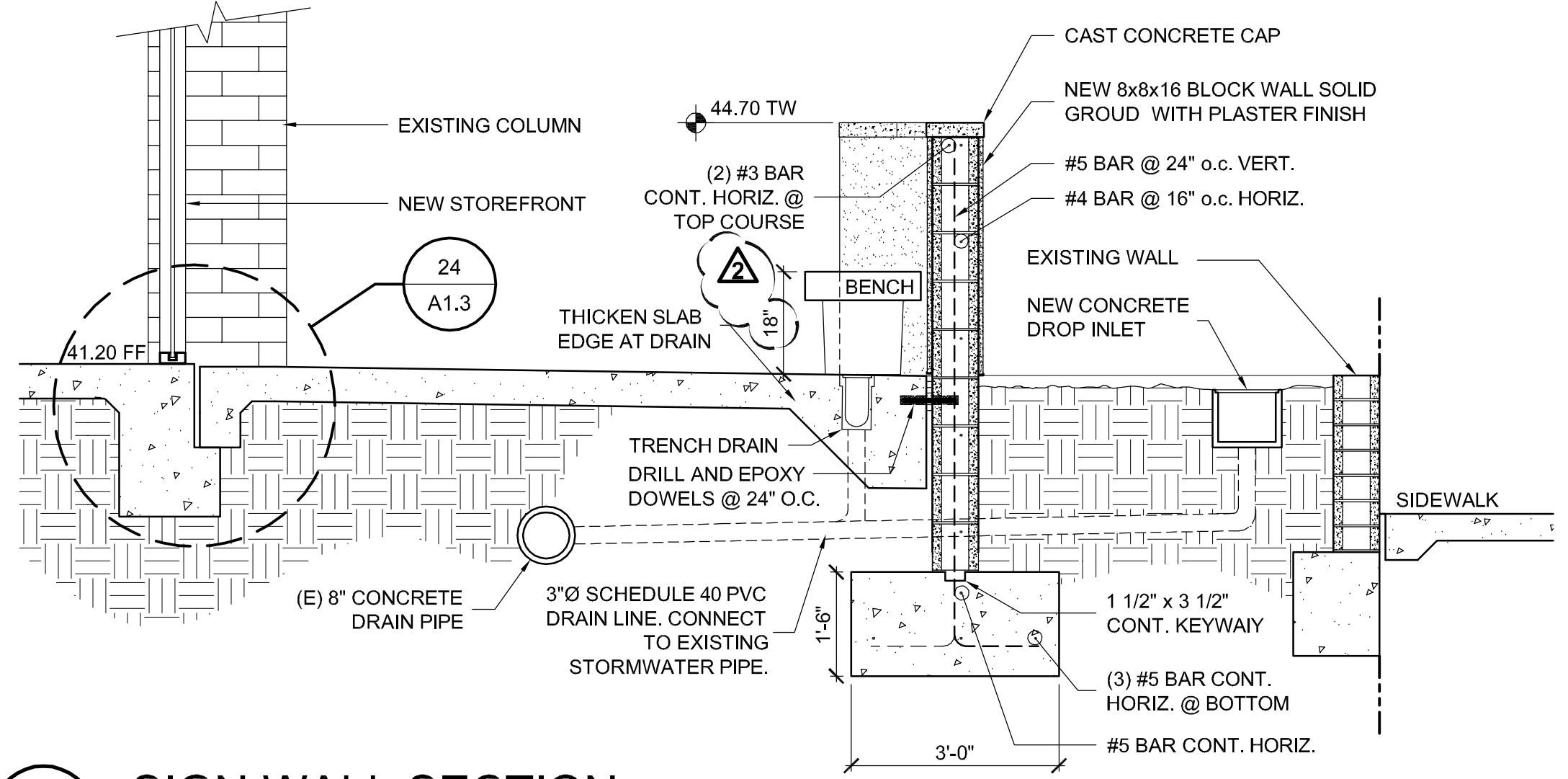
**SITE KEYNOTES**

1. LINEAR DRAIN w/ IRON GRATE.
2. TRASH RECEPTACLE.
3. 18"H x 20"D x 96"L BENCH.
4. 3"Ø SCHEDULE 40 PVC DRAIN LINE. CONNECT TO EXISTING STORMWATER PIPE.
5. 12"x12" CONCRETE DROP INLET w/PLASTIC YARD GRATE.
6. (E) 8"Ø CONCRETE STORMWATER PIPE.
7. CONTROL JOINT, TYP.
8. EXPANSION JOINT PER DETAIL 12/A1.3
9. 6" CONCRETE CURB WALL. SEE NOTE 10 UNDER ELEVATION KEYNOTES.
10. SIGN REFERENCE. SEE SHEETS SS.1 & SS.2.
11. 36"x48" MIN. CLR. W.C. SEATING AREA.

- 8x4x16 CONCRETE BLOCK RETAINING WALL, EXISTING
- NEW 8" CONC. BLOCK SIGN WALL AND 24" SQ. PILASTERS, TOP AT +106.00
- NEW 8" CONCRETE BLOCK RETAINING WALL, TOP AT +102.50
- NEW 6" WIDE CONC. WHEEL GUIDE / CURB, 6" ABOVE RAMP / WALK SURFACE

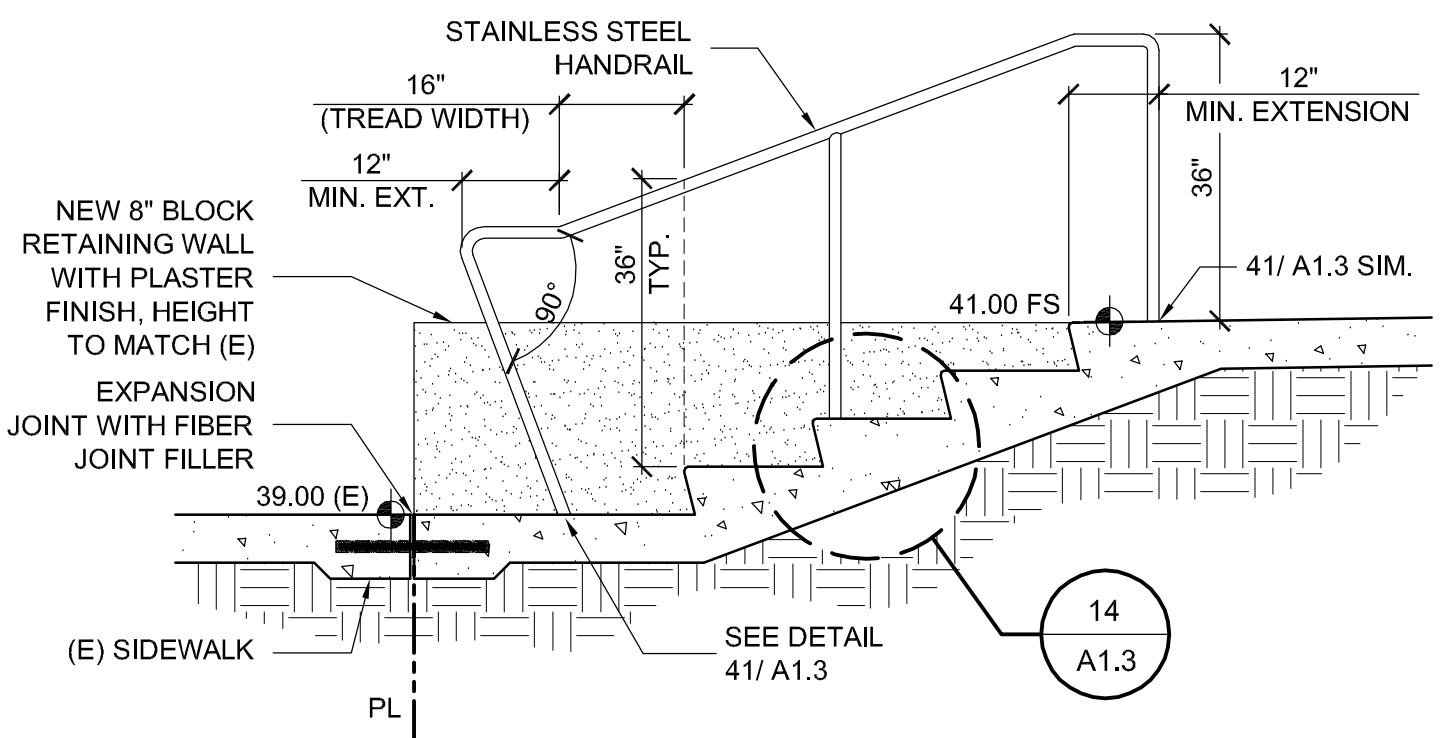
**ELEVATION KEYNOTES**

1. ALUMINUM COMPOSITE SIGNBOARD.
2. RAISED BRUSHED ALUMINUM LETTERS, GILL SANS MT CONDENSED TYPEFACE.
3. NEW BLOCK WALL WITH PLASTER FINISH, COLOR TO MATCH (E) BLOCK WALL.
4. HANDRAIL.
5. NEW CONCRETE STEPS.
6. NEW SLOPED WALKWAY AT 5% MAX. SLOPE.
7. LINE OF SLOPED WALKWAY BEYOND.
8. 6" CONCRETE CURB AT PLANTER.
9. EXISTING RETAINING WALL TO REMAIN.
10. CONCRETE CURB, HEIGHT TO MATCH BOTTOM OF (E) BLOCK COLUMNS. MAINTAIN HEIGHT OF 6" ABOVE ADJACENT SLOPED WALKWAY BETWEEN THE TOP LANDING AND THE FIRST COLUMN.
11. GROUND, SACK AND COAT (E) CONCRETE TO MATCH ADJACENT.
12. 6" CONCRETE CURB WALL, 6" ABOVE SURFACE OF RAMP.
13. SIGN REFERENCE. SEE SHEETS SS.1 & SS.2.
14. EXISTING SEAL TO REMAIN. EXISTING ADDRESS NUMBERS ABOVE TO BE REMOVED.



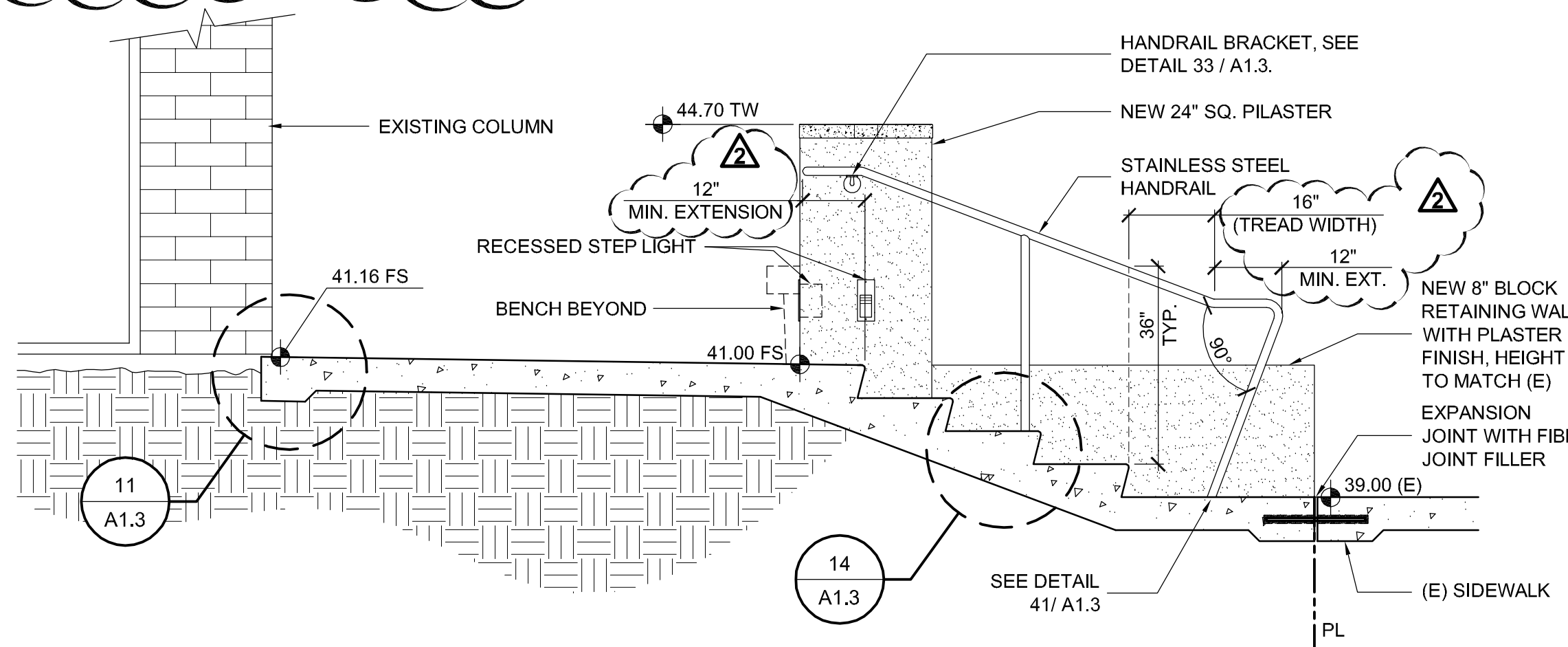
**23 SIGN WALL SECTION**

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



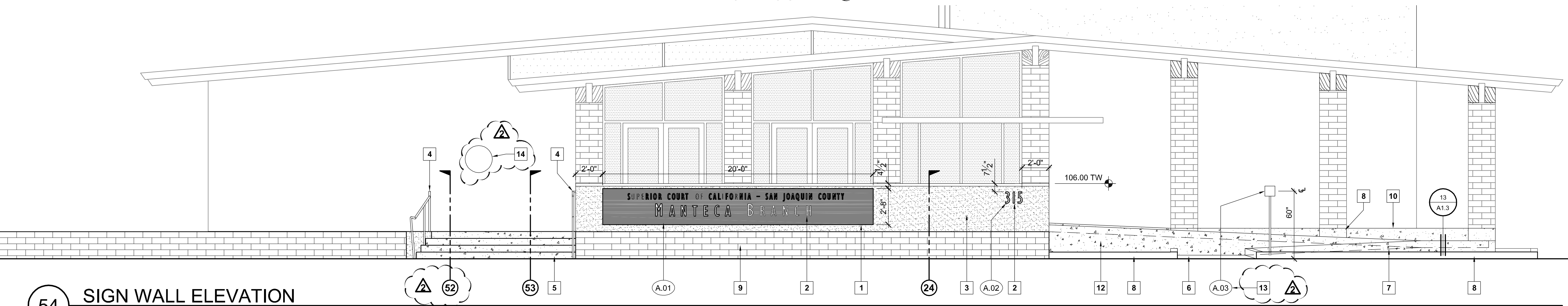
**52 STAIR SECTION**

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



**53 STAIR SECTION**

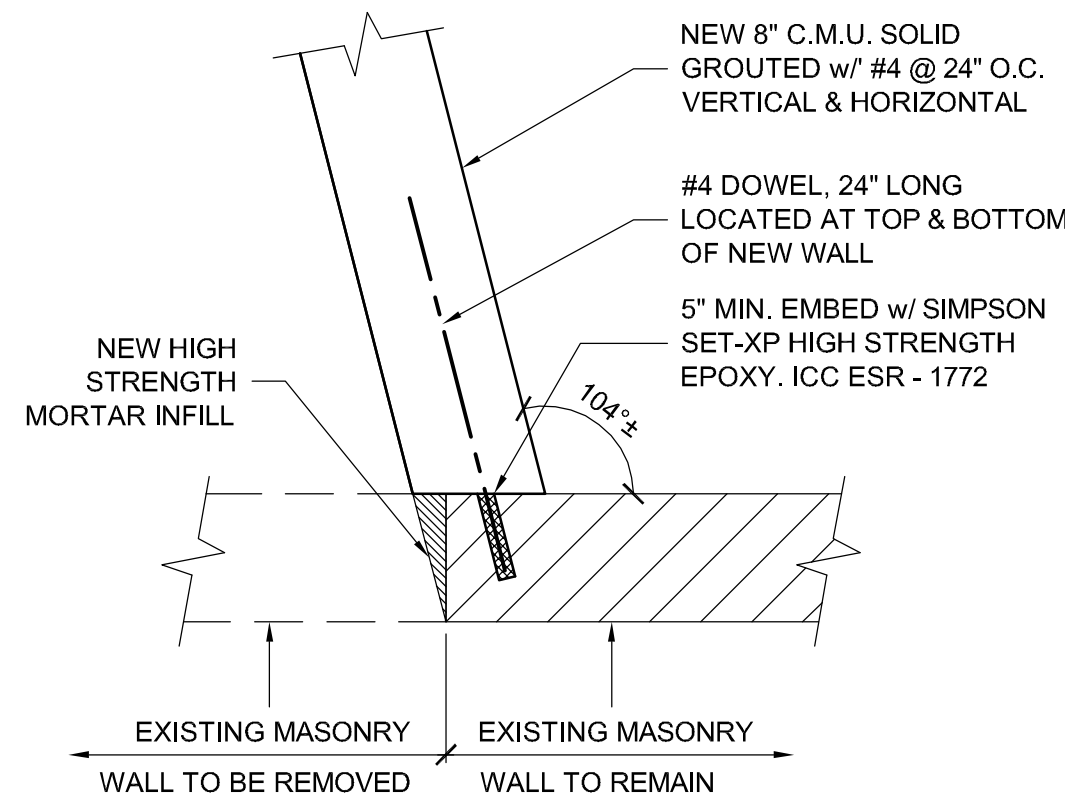
SCALE: 1/8" = 1'-0"



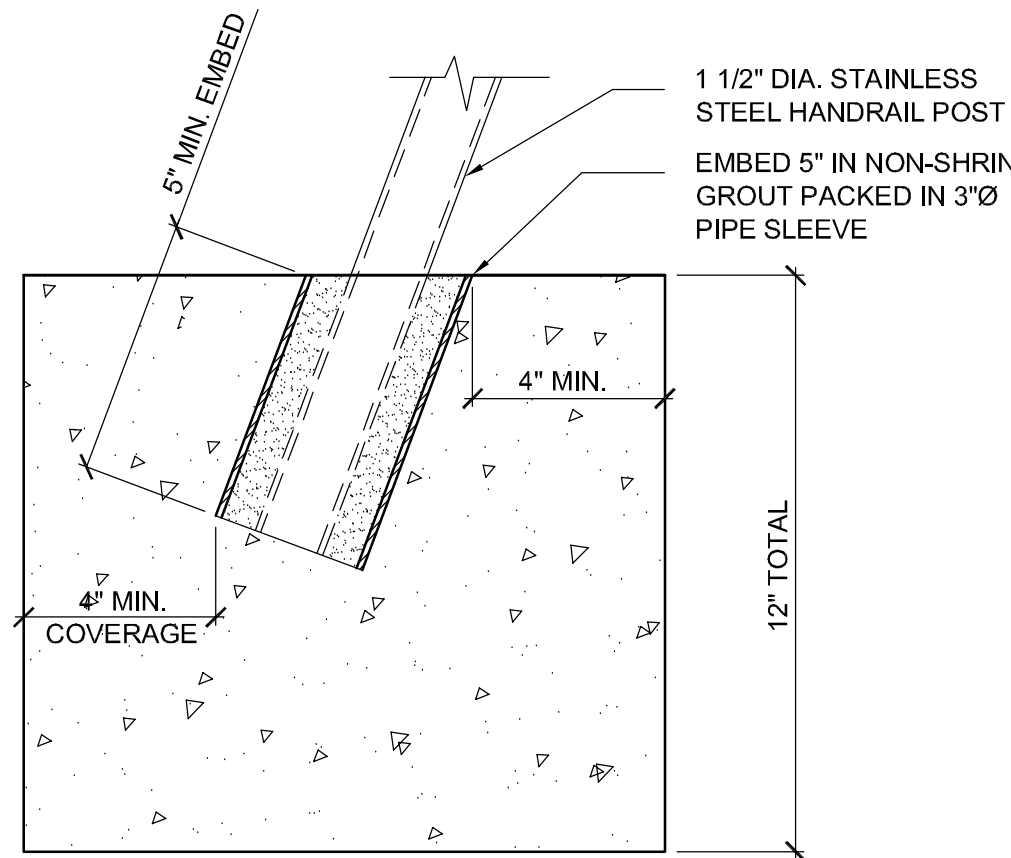
**54 SIGN WALL ELEVATION**

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

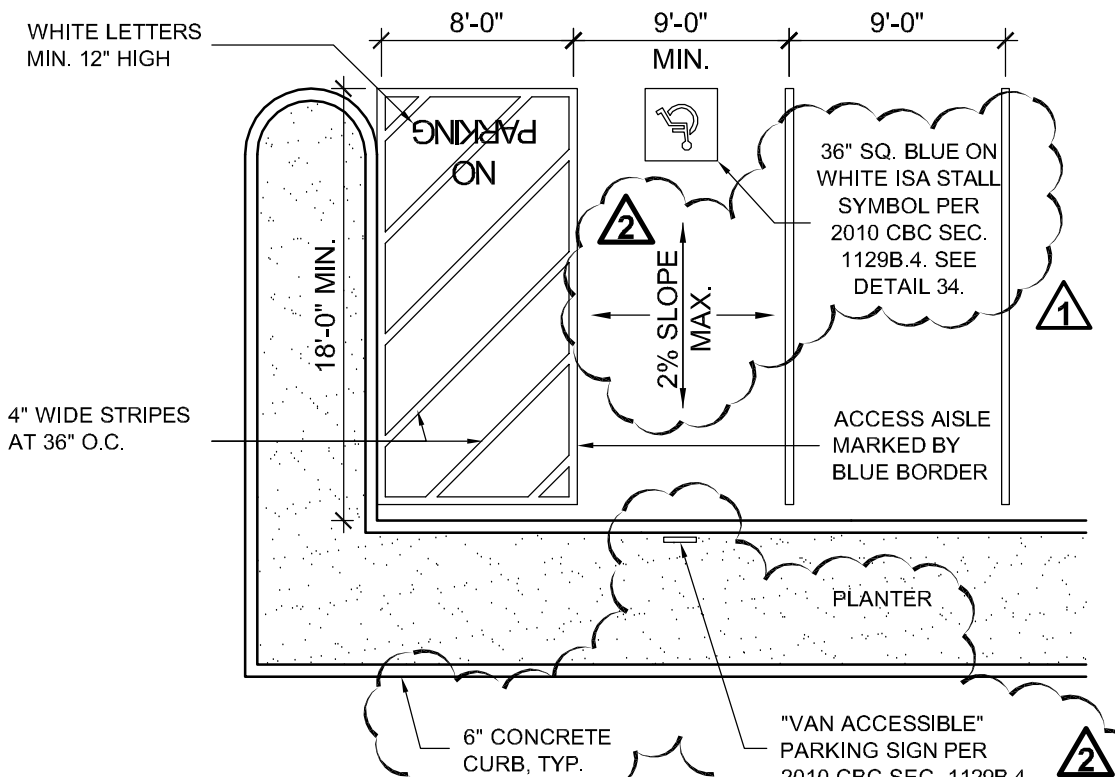




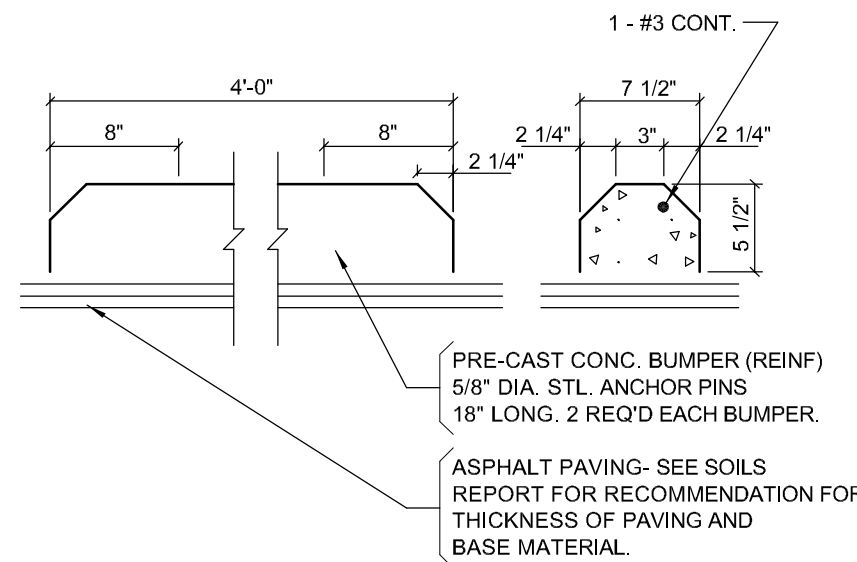
51 SITE WALL AT STAIRS  
1"= 1'-0"



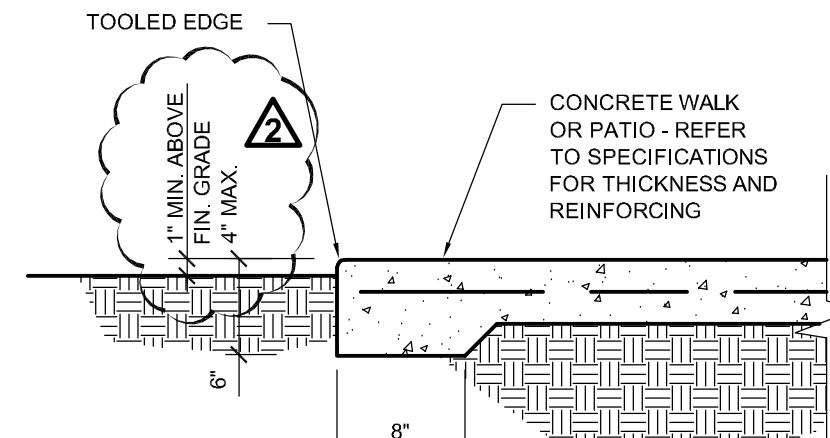
41 HANDRAIL POST  
3"= 1'-0"



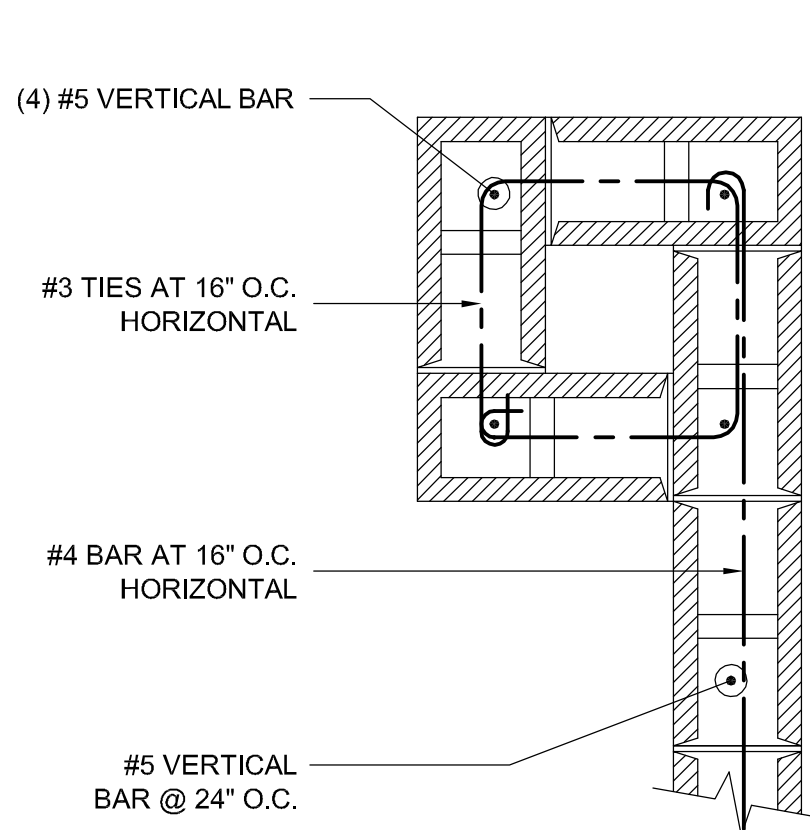
31 VAN ACCESSIBLE PRKG  
1/8"= 1'-0"



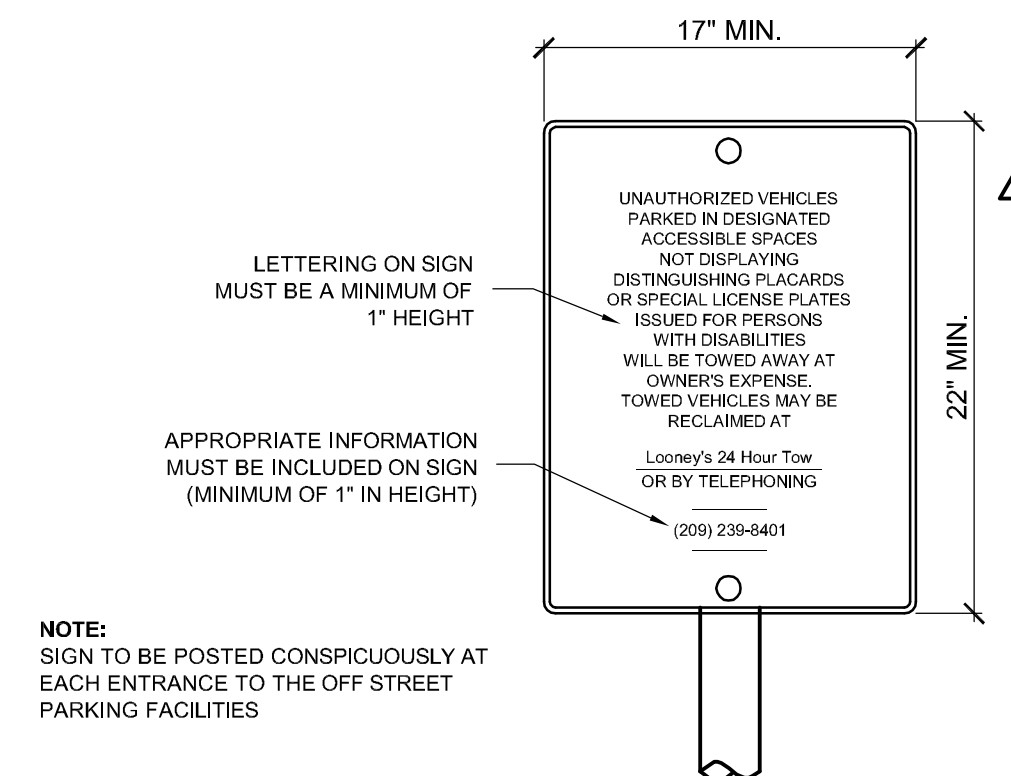
21 WHEEL STOP  
1"= 1'-0"



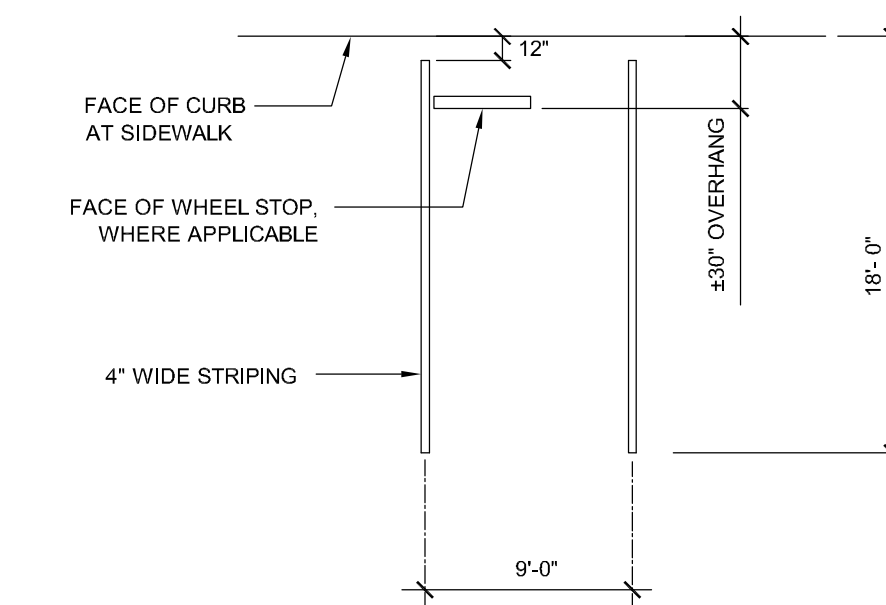
11 WALK / PATIO EDGE  
1"= 1'-0"



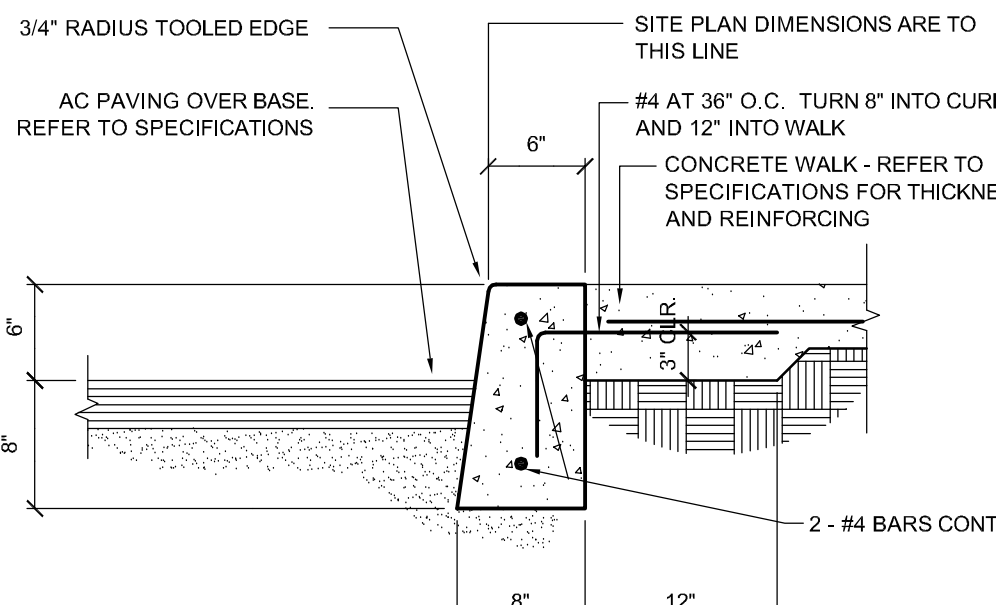
52 SIGN WALL PILASTER  
1"= 1'-0"



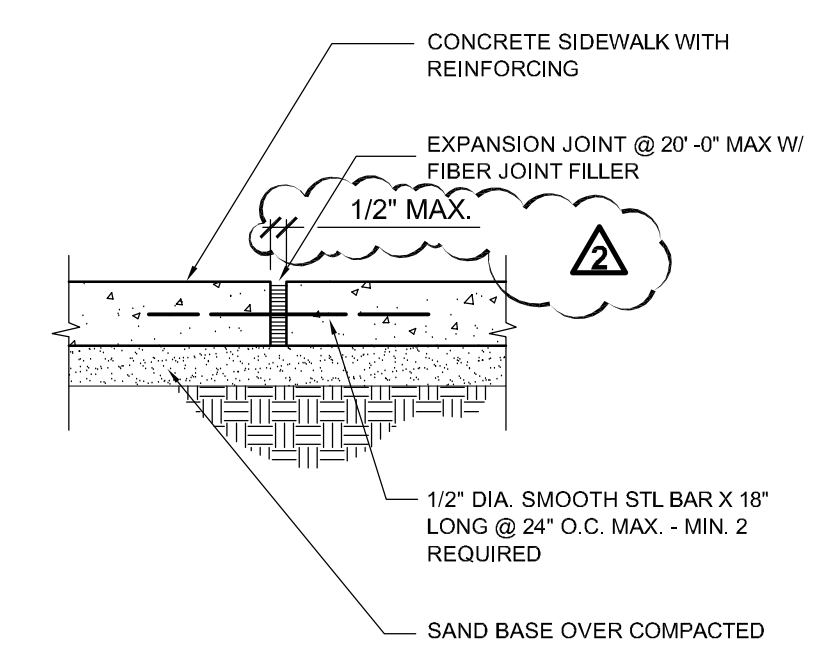
42 UNAUTHORIZED VEHICLE SIGNS  
1 1/2"= 1'-0"



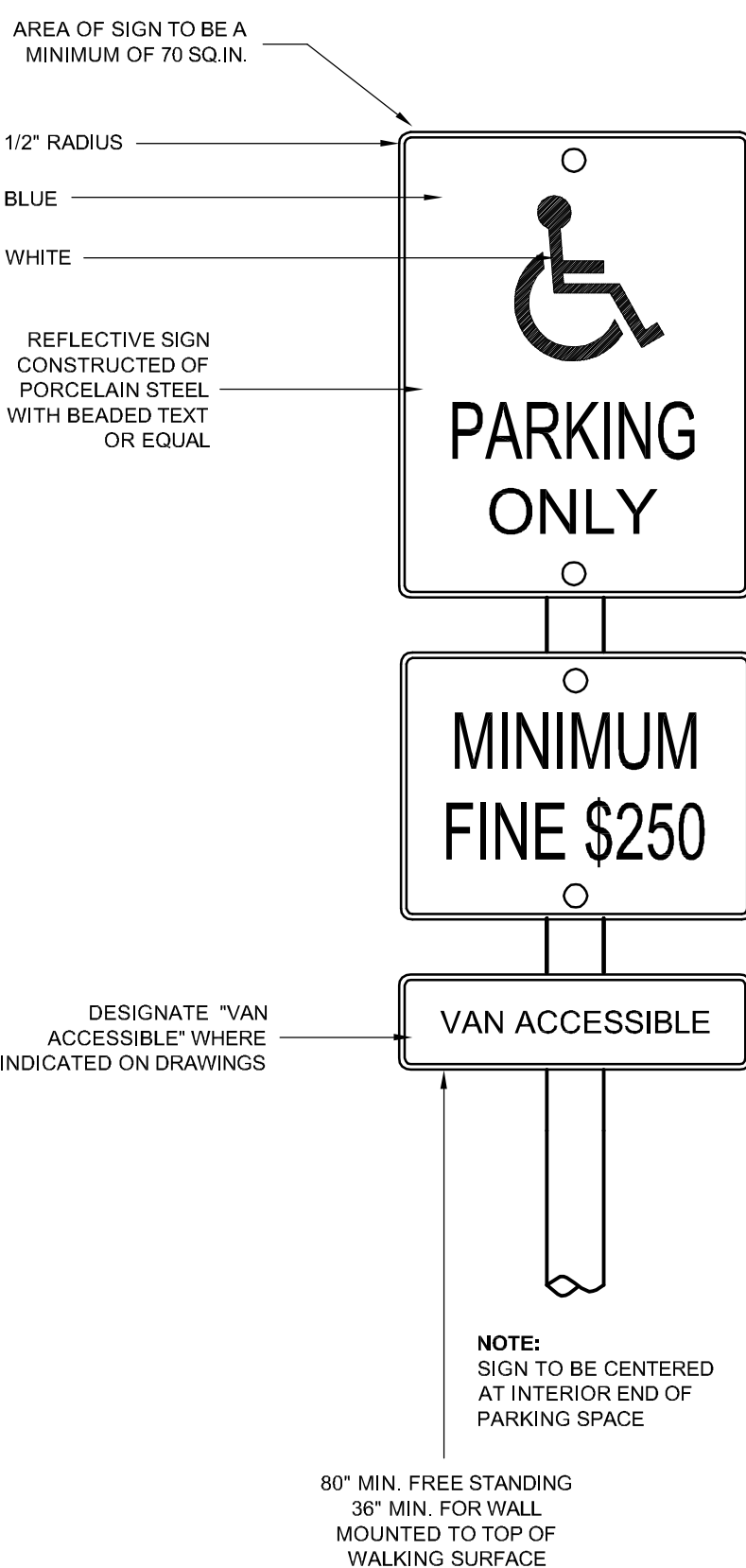
32 PARKING SPACE STRIPING AT 90° PARKING STALLS  
NO SCALE



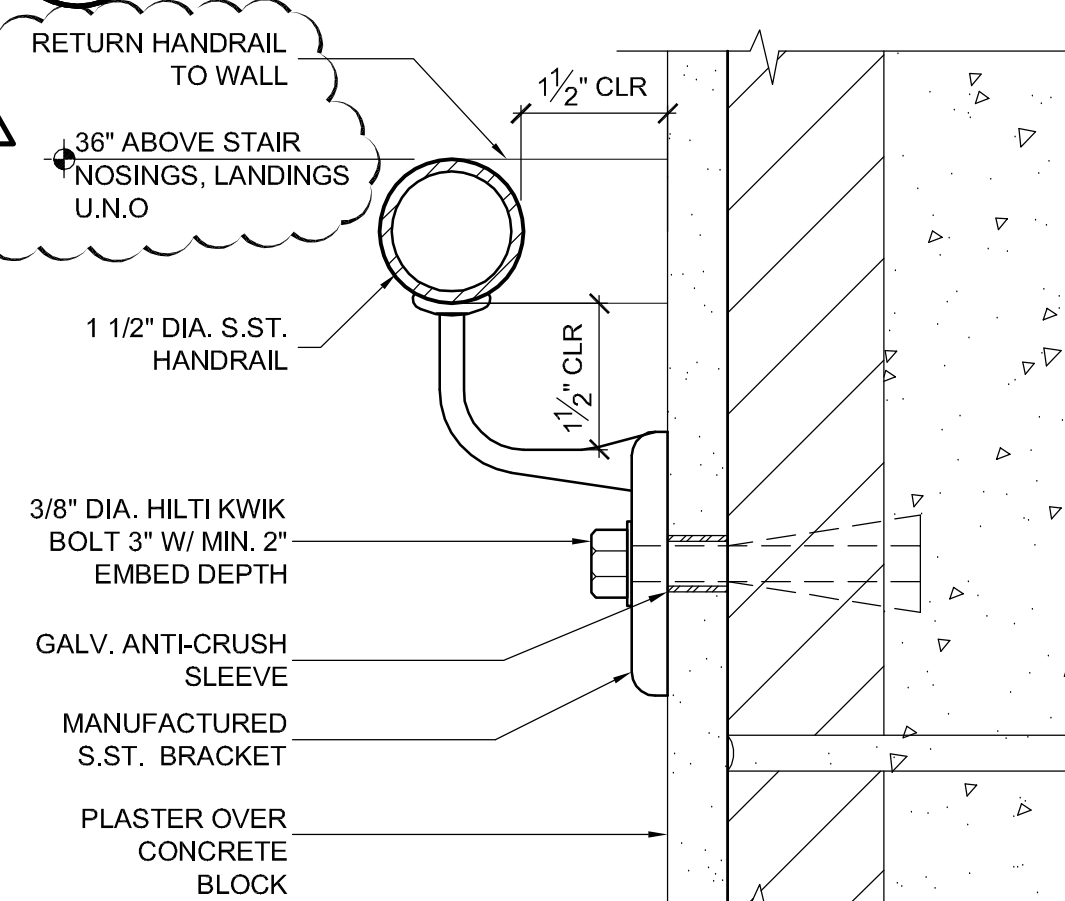
22 CONC. CURB  
1"= 1'-0"



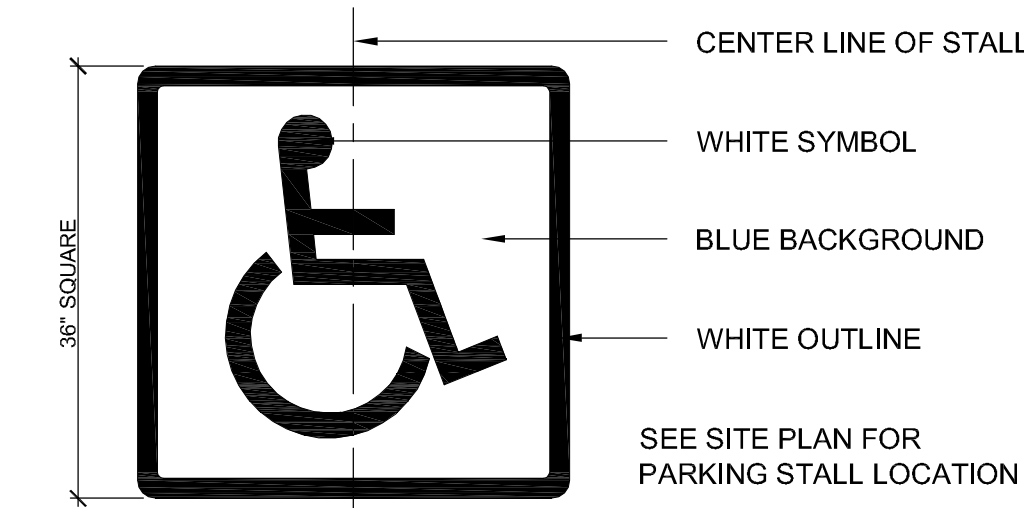
12 EXPANSION JOINT  
1"= 1'-0"



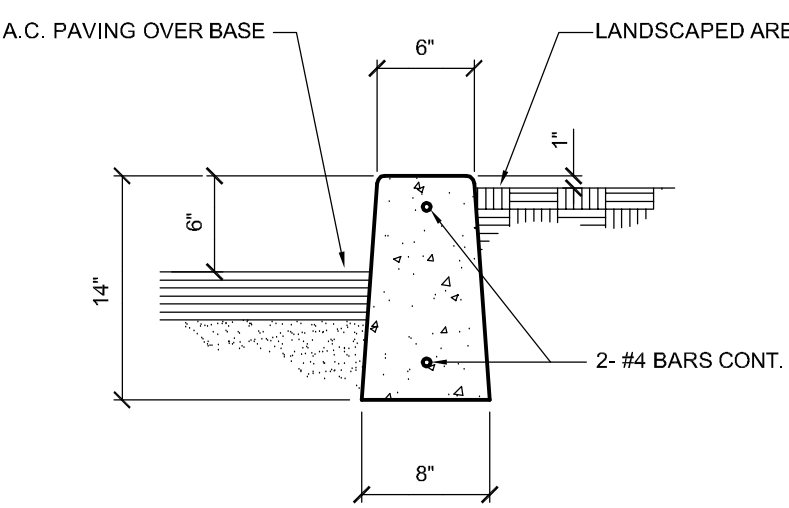
44 PARKING SIGNAGE  
1 1/2"= 1'-0"



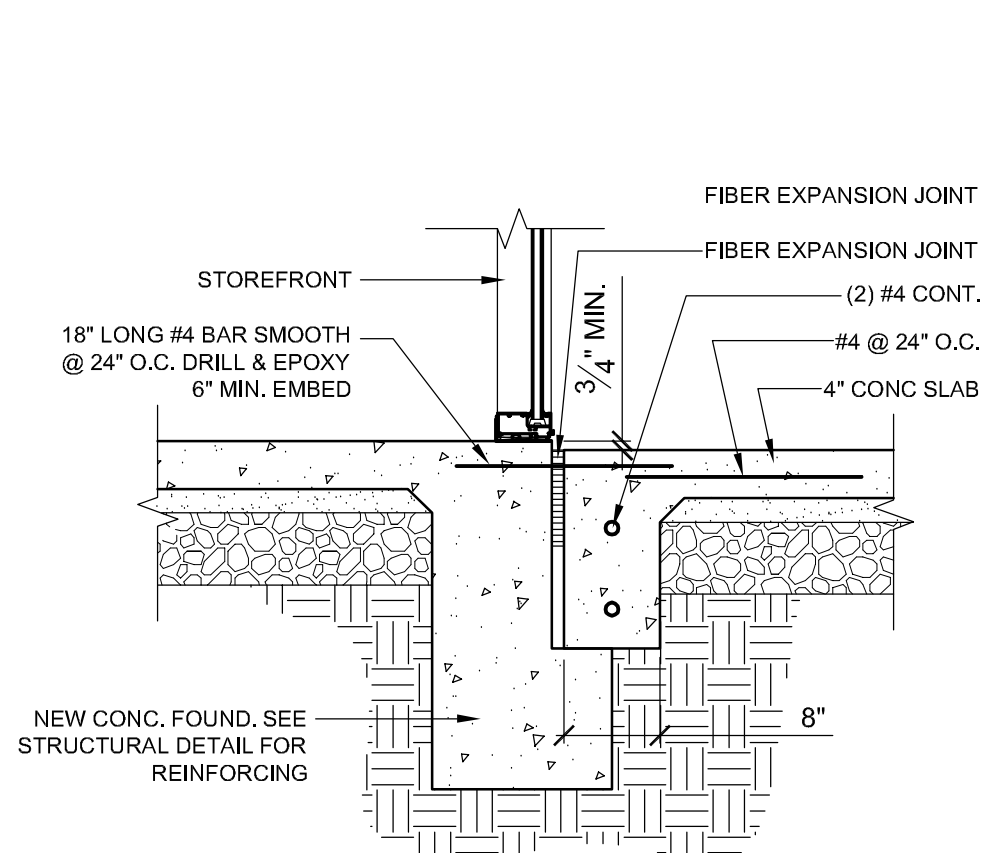
33 HANDRAIL BRACKET  
6"= 1'-0"



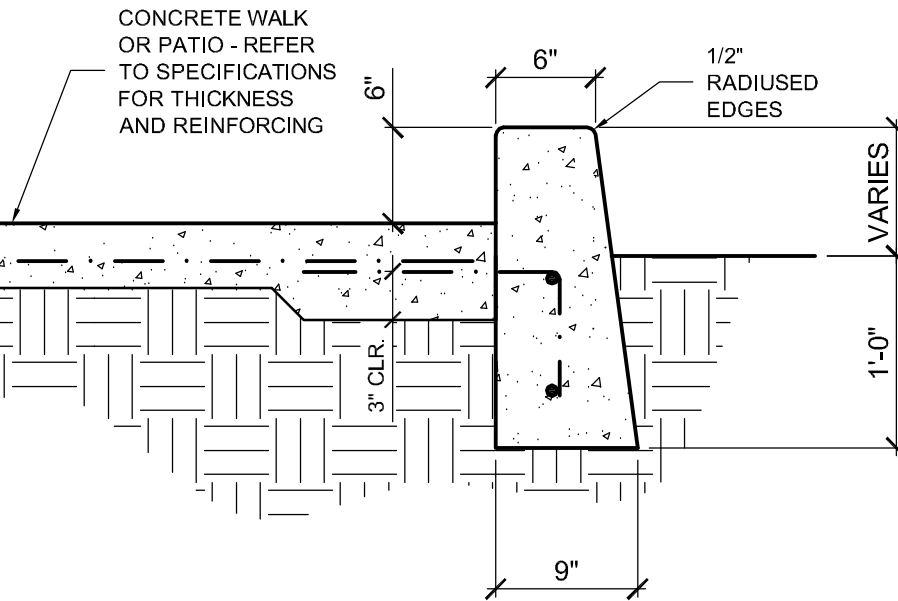
34 ACCESSIBLE PARKING STALL SYMBOL  
3/4"= 1'-0"



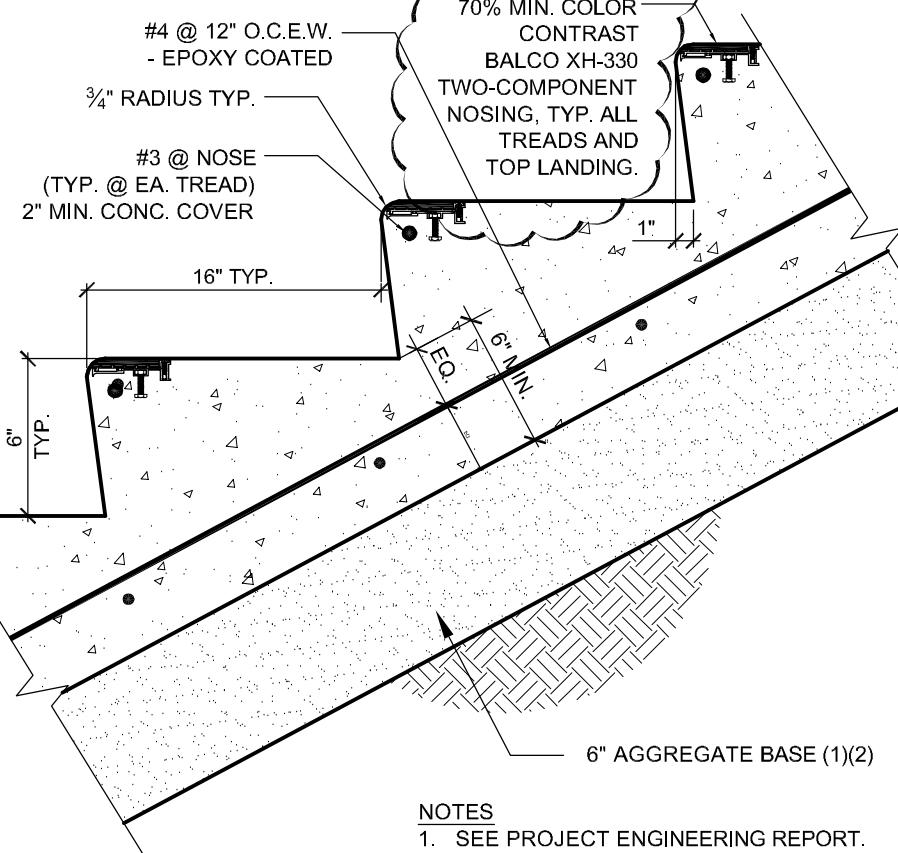
23 CONC. CURB  
1"= 1'-0"



24 FOOTING AT WALK  
3/4"= 1'-0"



13 WHEEL GUIDE CURB  
1"= 1'-0"



14 CONCRETE STAIRWAY  
N.T.S.

PROJECT

SUPERIOR COURT  
OF CALIFORNIA  
COUNTY OF SAN JOAQUIN

MANTECA BRANCH  
SITE AND BUILDING  
IMPROVEMENTS

PHASE 1

CLIENT JOB # ARCHITECT JOB #

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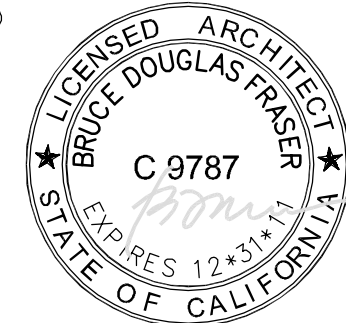
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SHEET TITLE

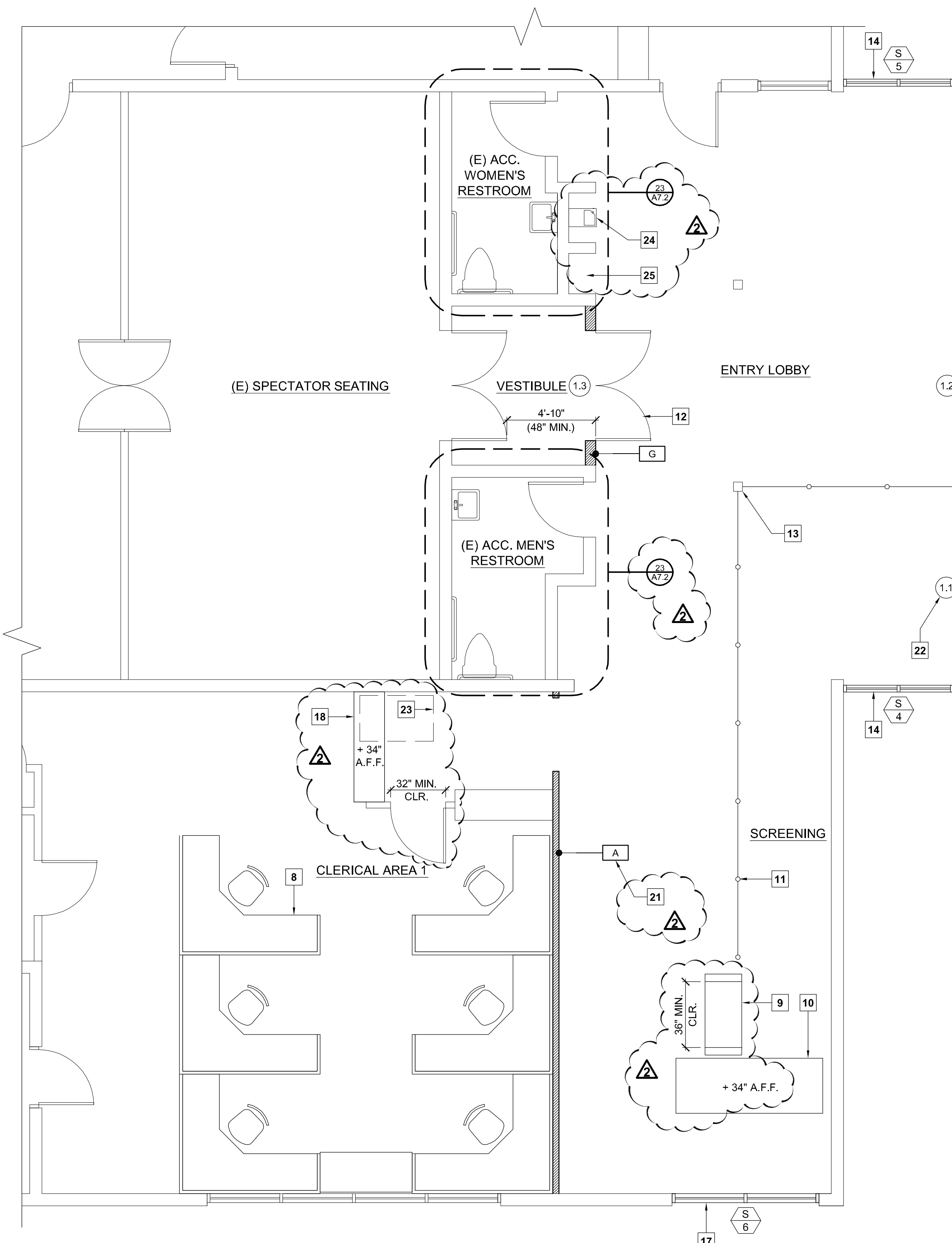
PHASE I  
SITE DETAILS

SHEET #

A1.3





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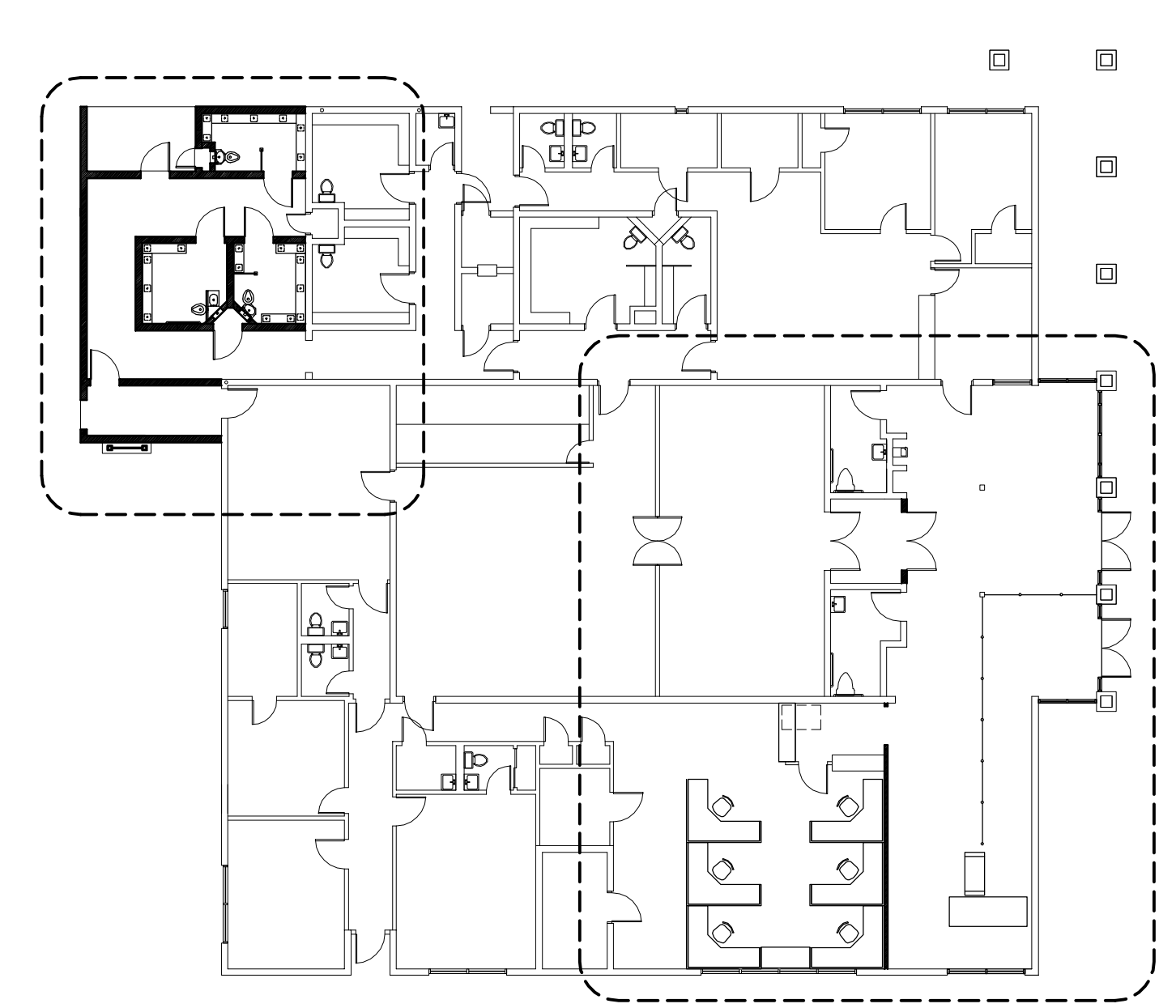
 **PHASE I FLOOR PLAN - LOBBY**  
SCALE: 1/4" = 1'-0"

**LEGEND**

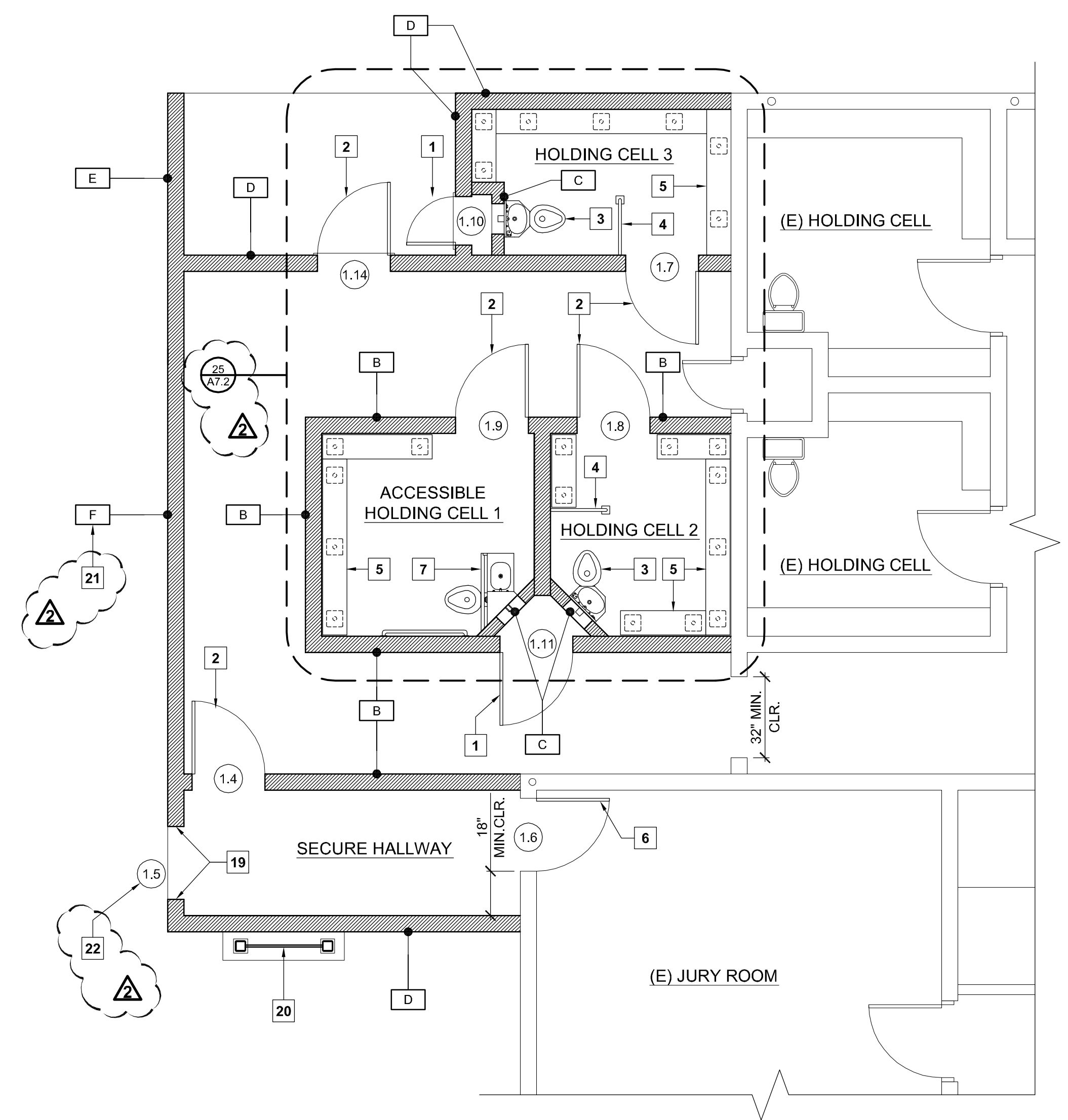
-  NEW WALL
-  EXISTING WALL TO REMAIN

**FLOOR PLAN KEYNOTES**

- 2040 SOLID CORE WOOD DOOR.
- 3070 SOLID CORE STEEL DOOR.
- "COMBY" TOILET / SINK / BUBBLER.
- STAINLESS STEEL PRIVACY SCREEN.
- 18" HIGH x 12" WIDE STAINLESS STEEL FLOOR MOUNTED BENCH.
- 3070 SOLID CORE WOOD DOOR.
- ACCESSIBLE "COMBY" TOILET / SINK / BUBBLER.
- NEW PREFABRICATED WORK STATIONS AND PARTITIONS.
- WALK-THROUGH METAL DETECTOR BY OTHERS.
- PACKAGE SCANNER BY OTHERS.
- NEW PORTABLE CROWD CONTROL STANCHIONS WITH 48" SOLID PANELS.
- NEW PAIR OF 3080 SOLID CORE WOOD DOORS.
- EXISTING STEEL COLUMN TO REMAIN.
- NEW GLAZED STOREFRONT INFILL.
- NEW STOREFRONT ENTRY - PUBLIC ENTRANCE.
- NEW STOREFRONT ENTRY - EXIT
- STOREFRONT REPLACED WITH TEMPORARY ENTRANCE DURING CONSTRUCTION OF NEW LOBBY.
- LOWER THE EXISTING SERVICE COUNTER (36" MIN. WIDTH) TO +34" MAX. A.F.F. TO ACCOMODATE W.C. ACCESS. PROVIDE MIN. 30" WIDE x 27" HIGH x 19" DEEP KNEE CLEARANCE.
- OPENING TO BE TEMPORARILY BLOCKED OFF UNTIL PHASE 2 CONSTRUCTION COMMENCES.
- ROOF ACCESS LADDER.
- WALL TYPE REFERENCE. SEE SHEET A8.4.
- DOOR REFERENCE. SEE SHEET A8.1.
- 30" x 48" CLEAR FLOOR SPACE.
- (E) ACCESSIBLE DRINKING FOUNTAIN PER DETAIL 14 / A7.2.
- (E) RECESS FOR STANDUP OSCILLATING FAN.



 **PHASE I KEY PLAN**  
SCALE: 1/16" = 1'-0"



 **PHASE I FLOOR PLAN - HOLDING CELL ADDITION**  
SCALE: 1/4" = 1'-0"

**PROJECT**

**SUPERIOR COURT  
OF CALIFORNIA  
COUNTY OF SAN JOAQUIN**

**MANTECA BRANCH  
SITE AND BUILDING  
IMPROVEMENTS**

**PHASE 1**

CLIENT JOB # ARCHITECT JOB #  
**1007**

**FRASER  
SEIPLE  
ARCHITECTS**

971 OSOS STREET  
SAN LUIS OBISPO  
CALIFORNIA 93401

805-544-6161

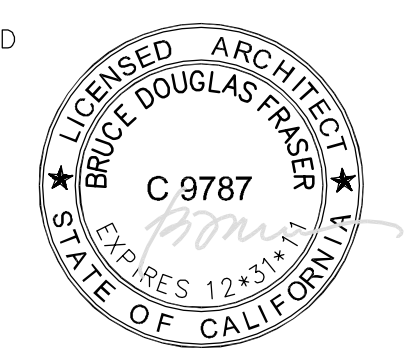
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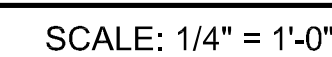
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**PHASE I  
DESCRIPTIVE  
FLOOR PLAN**

SHEET #

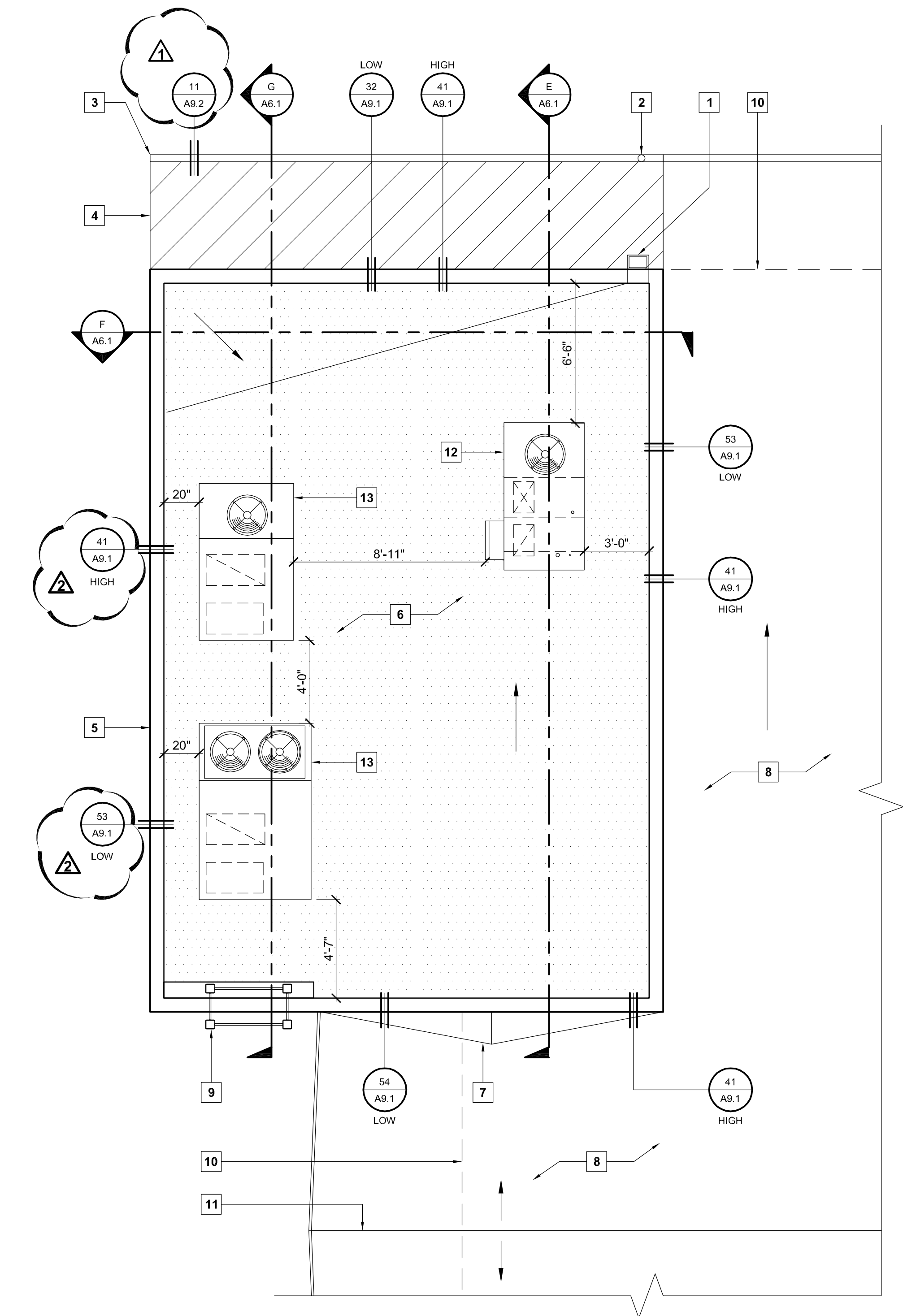
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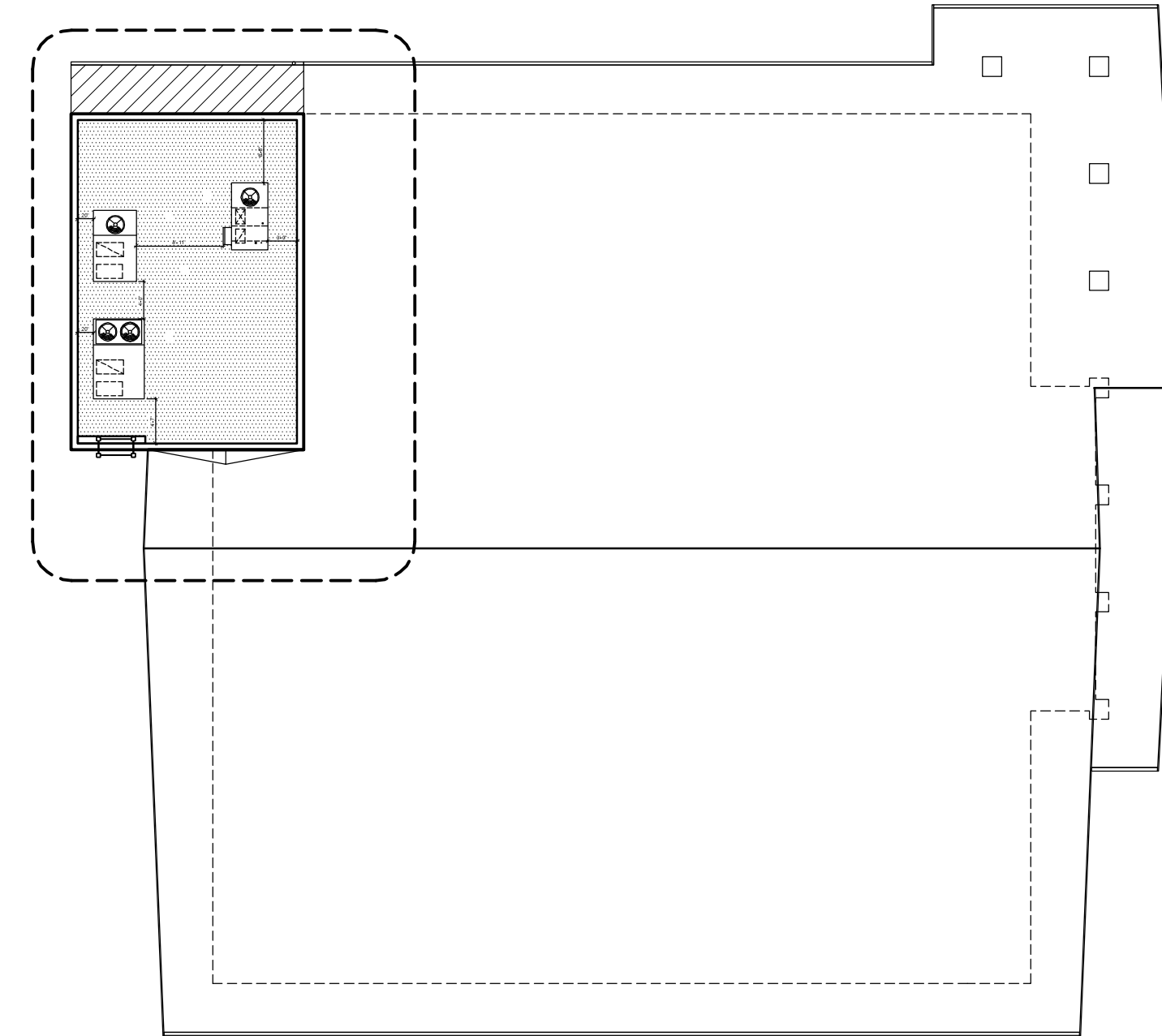




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**PHASE I ROOF PLAN - HOLDING CELL ADDITION**  
SCALE: 1/4" = 1'-0"



**PHASE I KEY PLAN**  
SCALE: 1/16" = 1'-0"

#### KEYNOTES

1. THROUGH-WALL SCUPPER AND CONDUCTOR HEAD WITH BUILT-IN OVERFLOW. PROVIDE DOWNSPOUT TO LOWER ROOF. SEE DETAILS 31 & 44 / A9.1.
2. NEW DOWNSPOUT TO MATCH EXISTING.
3. NEW GUTTER TO MATCH EXISTING.
4. AREA OF NEW ROOF. ALIGN WITH EXISTING ADJACENT ROOF TO ACHIEVE CONTINUOUS, EVEN ROOF SURFACE AND FASCIA.
5. NEW PARAPET WALL WITH PAINTED METAL COPING.
6. NEW SINGLE PLY ROOF MEMBRANE OVER GLASS-MAT ROOF BOARD OVER SLOPED PLYWOOD ROOF DECK. SLOPE ROOF 1/2" PER FOOT.
7. NEW CRICKET.
8. EXISTING SINGLE PLY ROOF TO REMAIN.
9. ROOF ACCESS LADDER. SEE DETAILS 44 & 51 / A9.2.
10. WALL BELOW.
11. EXISTING RIDGE.
12. PHASE I CURB MOUNTED HVAC UNIT.
13. PHASE II CURB MOUNTED HVAC UNITS. SEE PHASE II PLANS.

PROJECT

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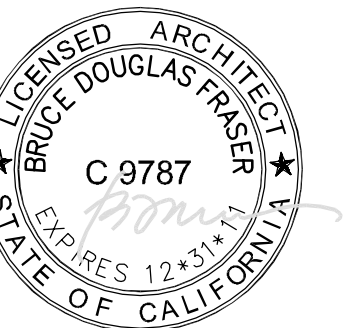
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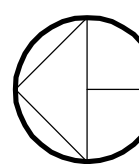
**PHASE I  
ROOF PLAN**

SHEET #

**A3.1**

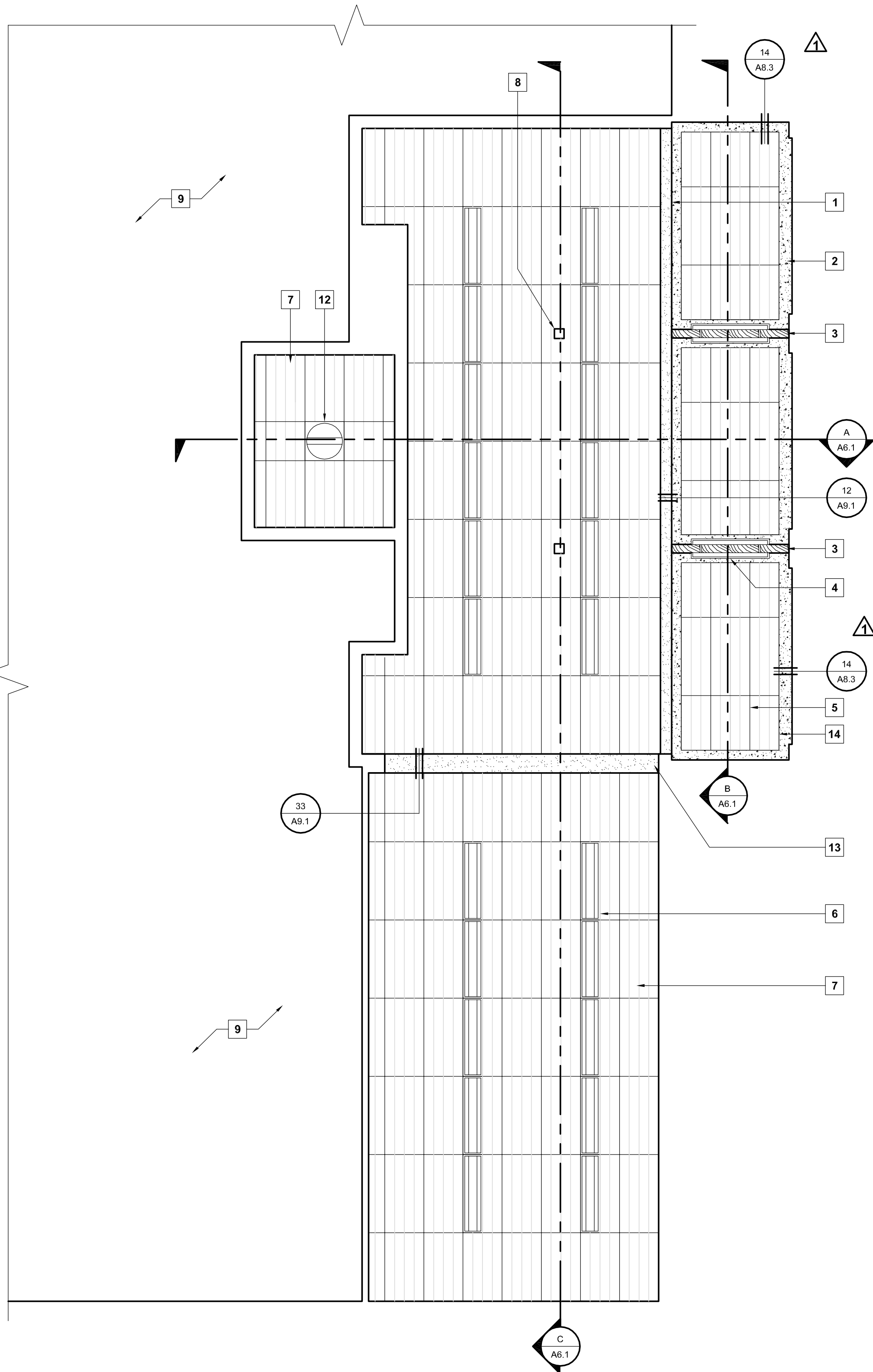


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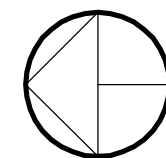
PHASE I REFLECTED CEILING PLAN - LOBBY

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



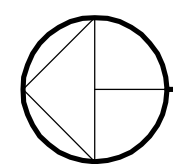
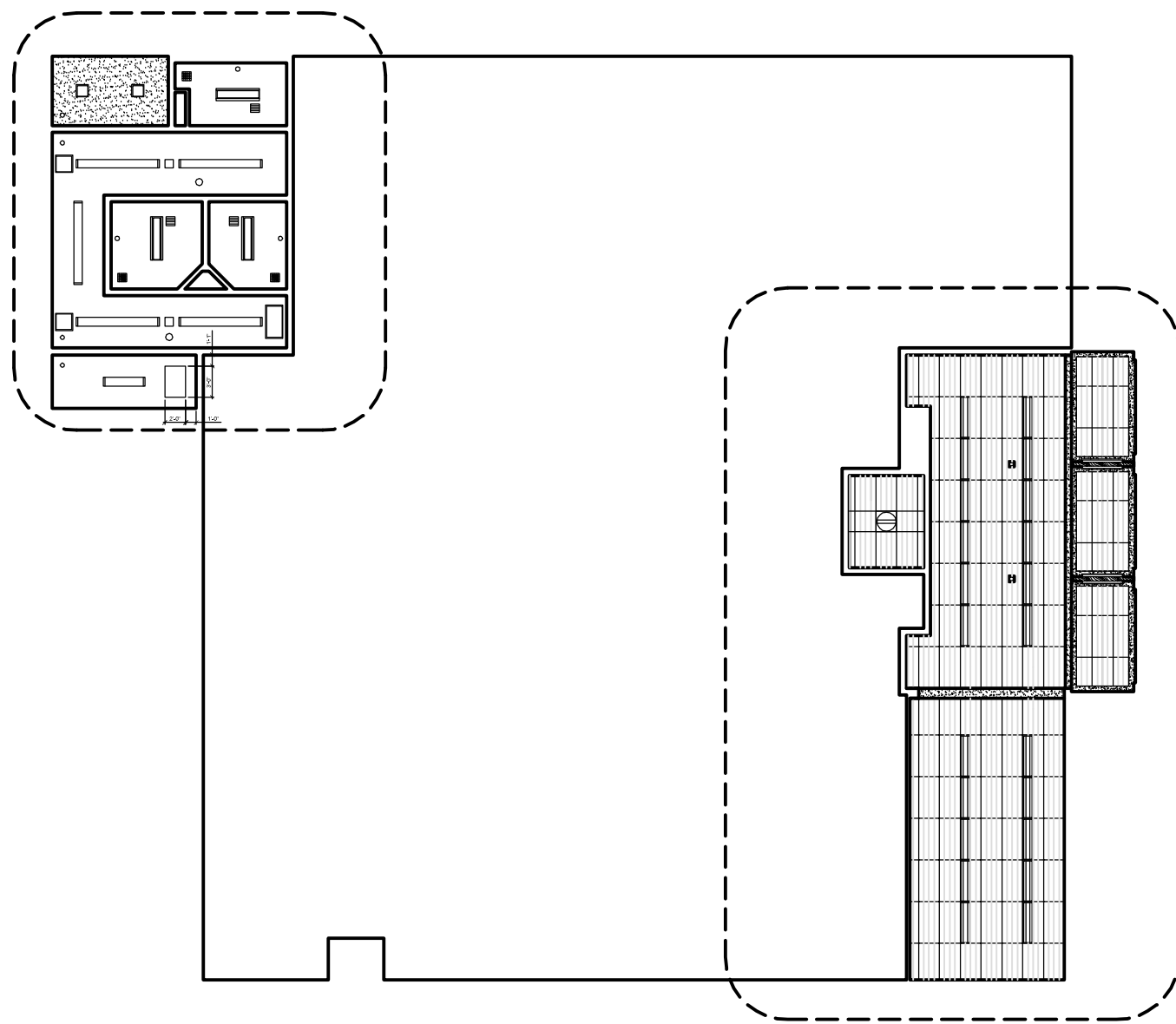
KEYNOTES

1. NEW PAINTED DRYWALL SOFFIT AT 10'-0".
2. EXISTING PLASTER SOFFIT.
3. EXISTING EXPOSED WOOD BEAMS.
4. NEW SUSPENDED INDIRECT FLUORESCENT LIGHT FIXTURE AT +8'-6".
5. NEW SUSPENDED ACOUSTIC TILE CEILING, MATCH SLOPE OF PLASTER SOFFIT.
6. 1' x 4' RECESSED INDIRECT FLUORESCENT LIGHT FIXTURES.
7. NEW SUSPENDED ACOUSTIC TILE CEILING AT +10'-0", TYP.
8. EXISTING STEEL COLUMNS AND ALUMINUM COVERS.
9. NO CEILING WORK IN THIS AREA.
10. PAINTED CONCRETE CEILING AT 8'-8".
11. NEW PLASTER SOFFIT AT 8'-7" A.F.F.
12. RECESSED INDIRECT FLUORESCENT LIGHT FIXTURE.
13. NEW PAINTED DRYWALL SOFFIT AT 8'-10".
14. SUSPENDED CEILING EDGE TRIM.
15. SURFACE MOUNTED LIGHT FIXTURE.
16. CCTV CAMERA LOCATION.
17. HARDENED SUPPLY AIR REGISTER.
18. HARDENED RETURN AIR GRILLE.
19. SUPPLY AIR REGISTER.
20. RETURN AIR GRILLE.
21. SURFACE MOUNTED SPEAKER.
22. SURFACE MOUNTED SMOKE DETECTOR.
23. 24"x36" FLUSH ATTIC ACCESS DOOR, 3 HOUR FIRE RATED. SEE DETAIL 34 / A9.2.



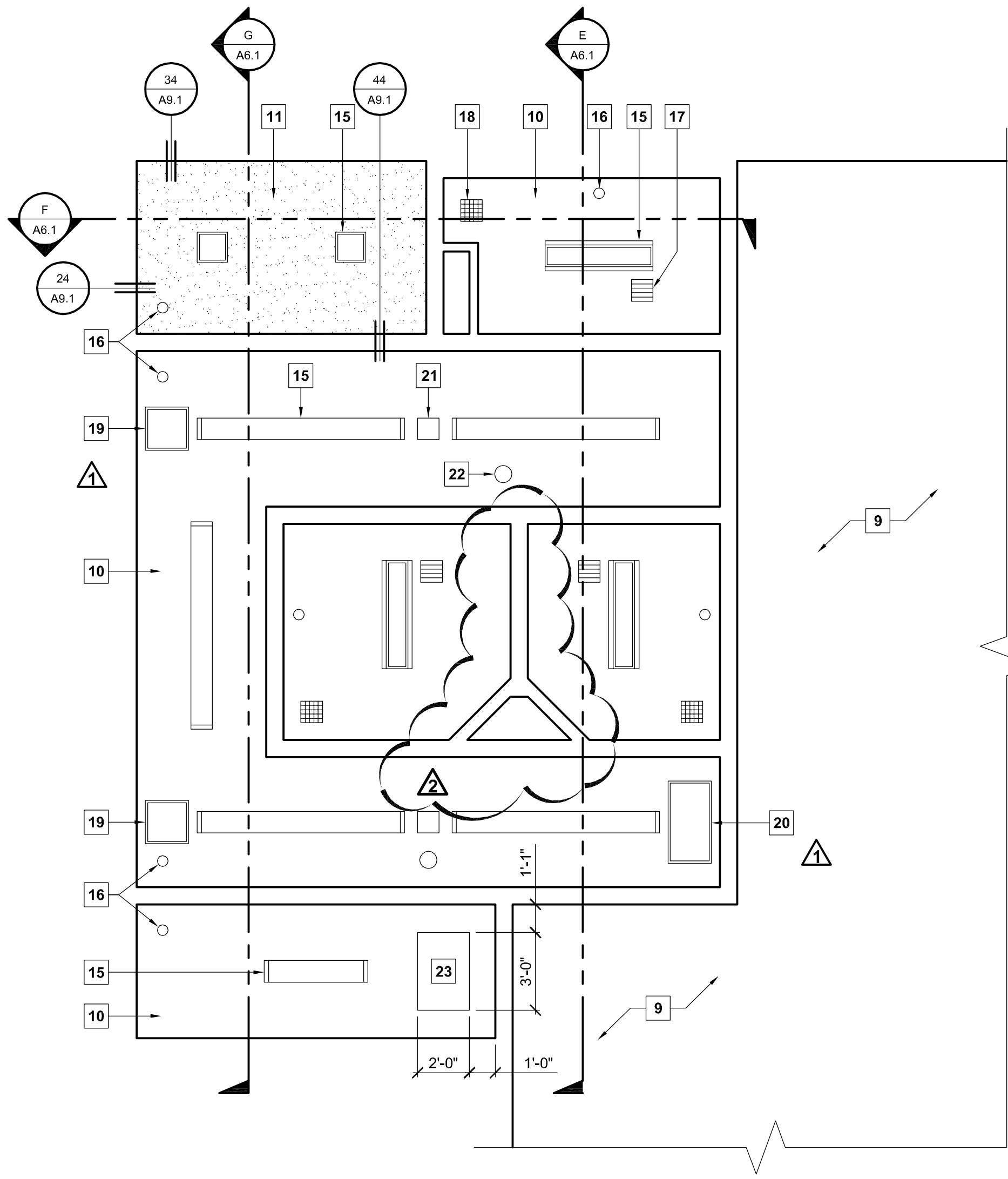
PHASE I KEY PLAN

SCALE: 1/16" = 1'-0"



PHASE I REFLECTED CEILING PLAN - HOLDING CELL ADDITION

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



PROJECT

**SUPERIOR COURT  
OF CALIFORNIA  
COUNTY OF SAN JOAQUIN**

**MANTECA BRANCH  
SITE AND BUILDING  
IMPROVEMENTS**

**PHASE 1**

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**1007**

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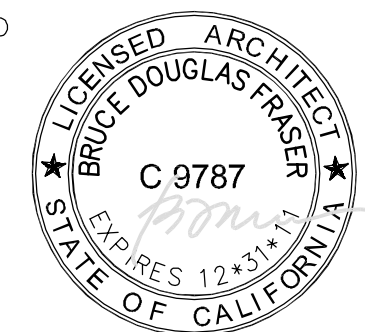
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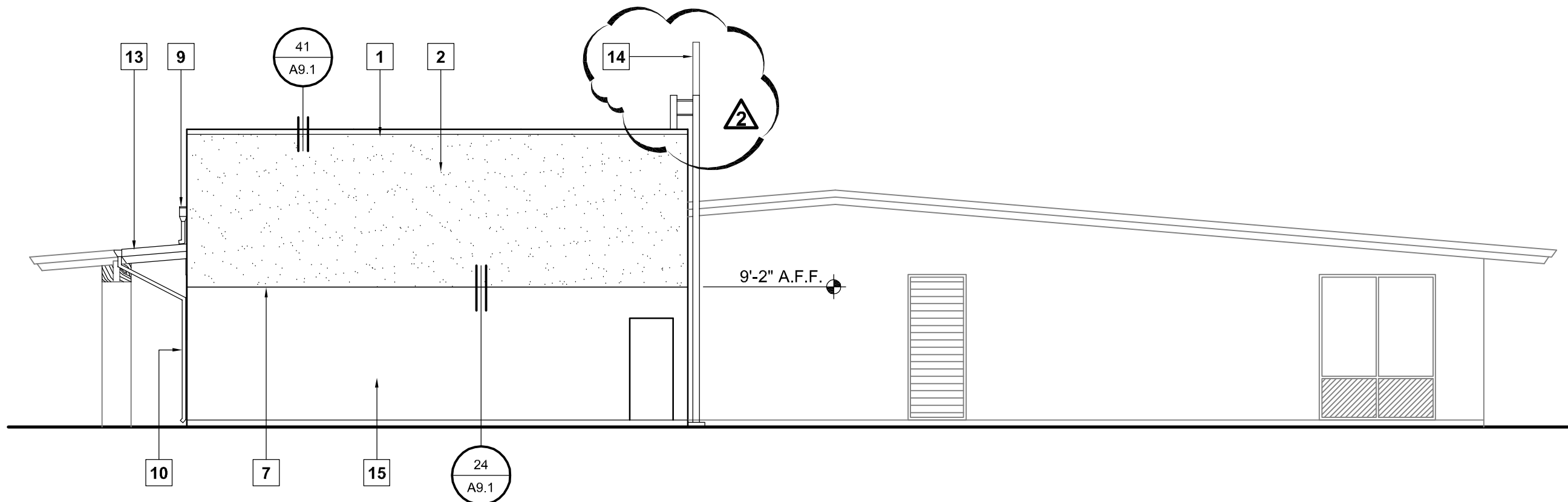
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REFLECTED  
CEILING PLAN**

SHEET #

**A4.1**

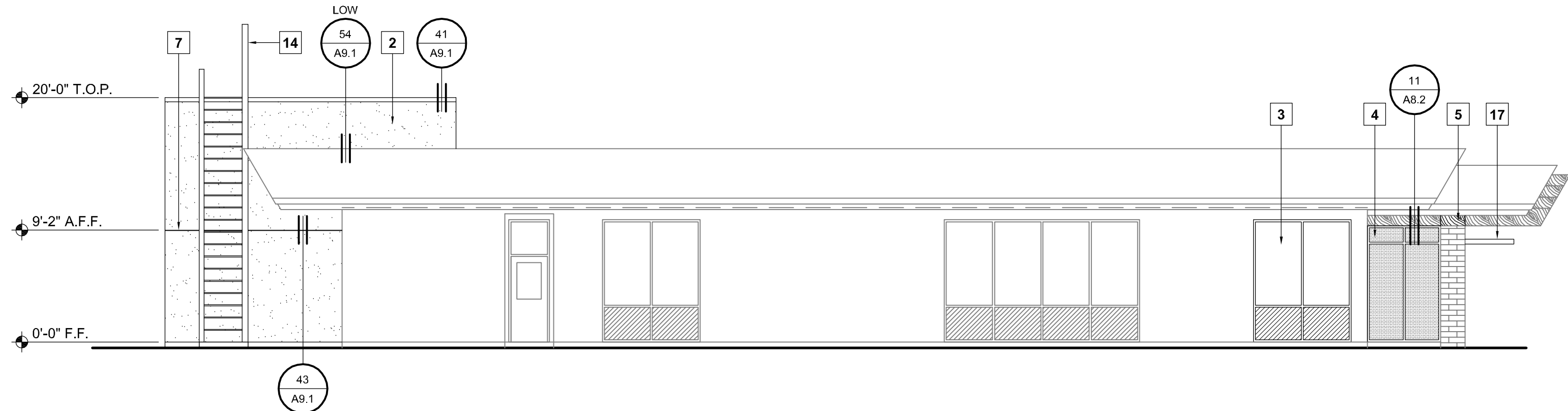


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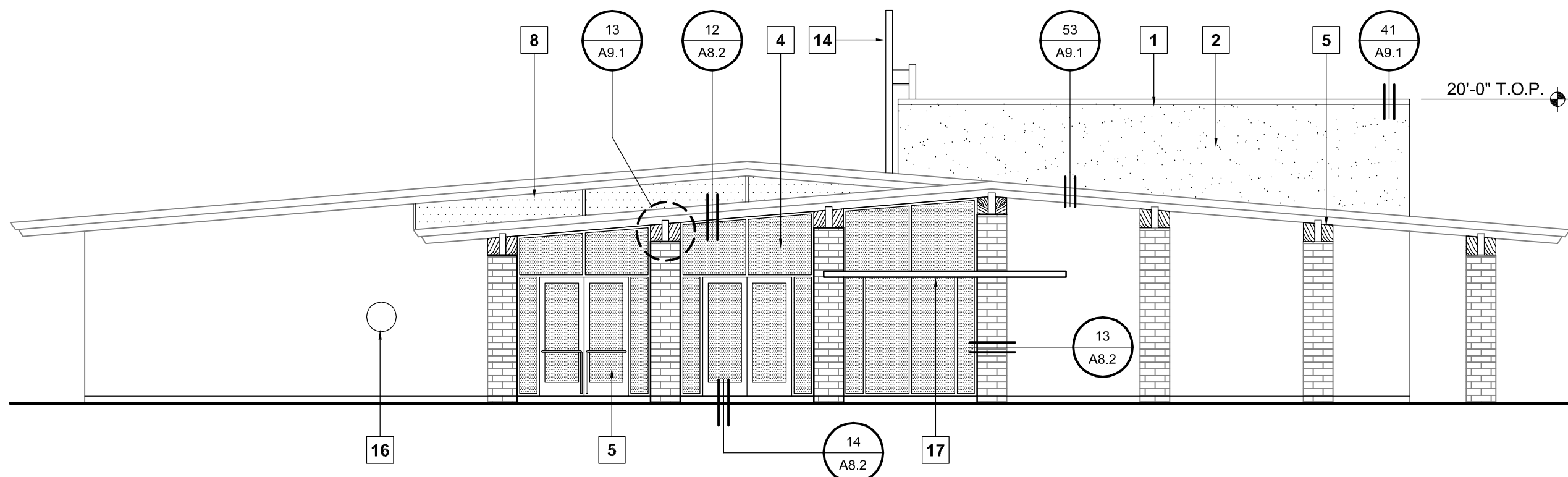
## NORTH

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



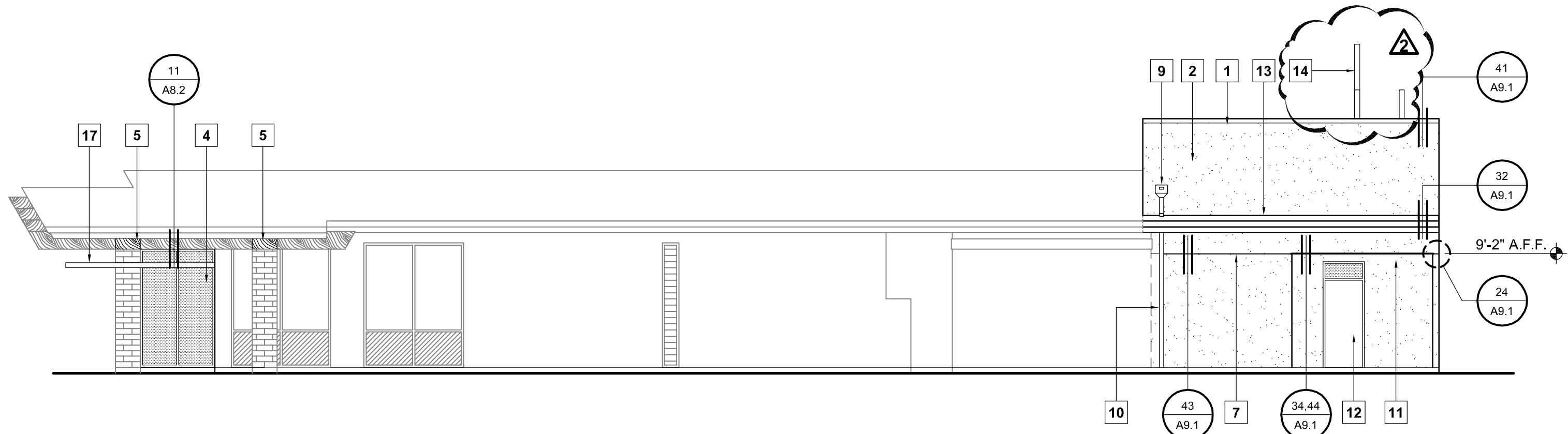
## WEST

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



## SOUTH

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



## EAST

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

### KEYNOTES:

1. MECHANICAL ROOF WELL PARAPET WALL WITH PAINTED METAL COPING.
2. 3-COAT STUCCO OVER PAPER BACKED METAL LATH.
3. EXISTING STOREFRONT REPLACED AFTER TEMPORARY ENTRANCE IS REMOVED.
4. NEW STOREFRONT.
5. REPLACE EXISTING METAL CAPS WITH INFILL BLOCKING. SEE DETAIL 13 / A9.1. REPAIR ALL GLU-LAM BEAM ENDS. SEE DETAIL 14 / A9.1.
6. NEW STOREFRONT ENTRY DOORS.
7. 2-PIECE EXPANSION SLIP JOINT WITH 5/8" REVEAL.
8. SMOOTH HARDIE BOARD AND BATTENS PAINTED TO MATCH EXISTING ADJACENT WALL.
9. CONDUCTOR HEAD WITH BUILT IN OVERFLOW. DRAIN THROUGH DOWNSPOUT TO ROOF BELOW. SEE DETAILS 21 & 31 / A9.1.
10. NEW DOWNSPOUT TO GRADE.
11. PLASTER SOFFIT.
12. NEW DOOR.
13. NEW ROOF TO MATCH ADJACENT.
14. ROOF ACCESS LADDER PER DETAIL 44 / A9.2.
15. CONCRETE BLOCK WALL WITH ACRYLIC BLOCK FILL PRIMER AND ELASTOMERIC PAINT.
16. EXISTING SEAL TO REMAIN. EXISTING ADDRESS NUMBERS ABOVE TO BE REMOVED.
17. NEW CANTILEVERED SUN CONTROL DEVICE. SEE DETAIL 33 / A9.2.

PROJECT

## SUPERIOR COURT OF CALIFORNIA COUNTY OF SAN JOAQUIN

## MANTECA BRANCH SITE AND BUILDING IMPROVEMENTS

### PHASE 1

CLIENT JOB # ARCHITECT JOB #  
1007

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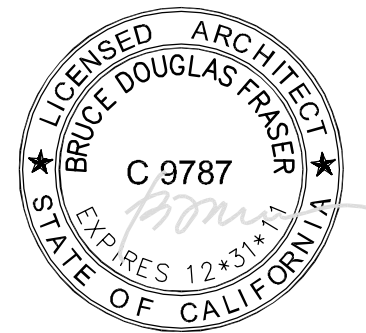
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SHEET TITLE

## PHASE I EXTERIOR ELEVATIONS

SHEET #

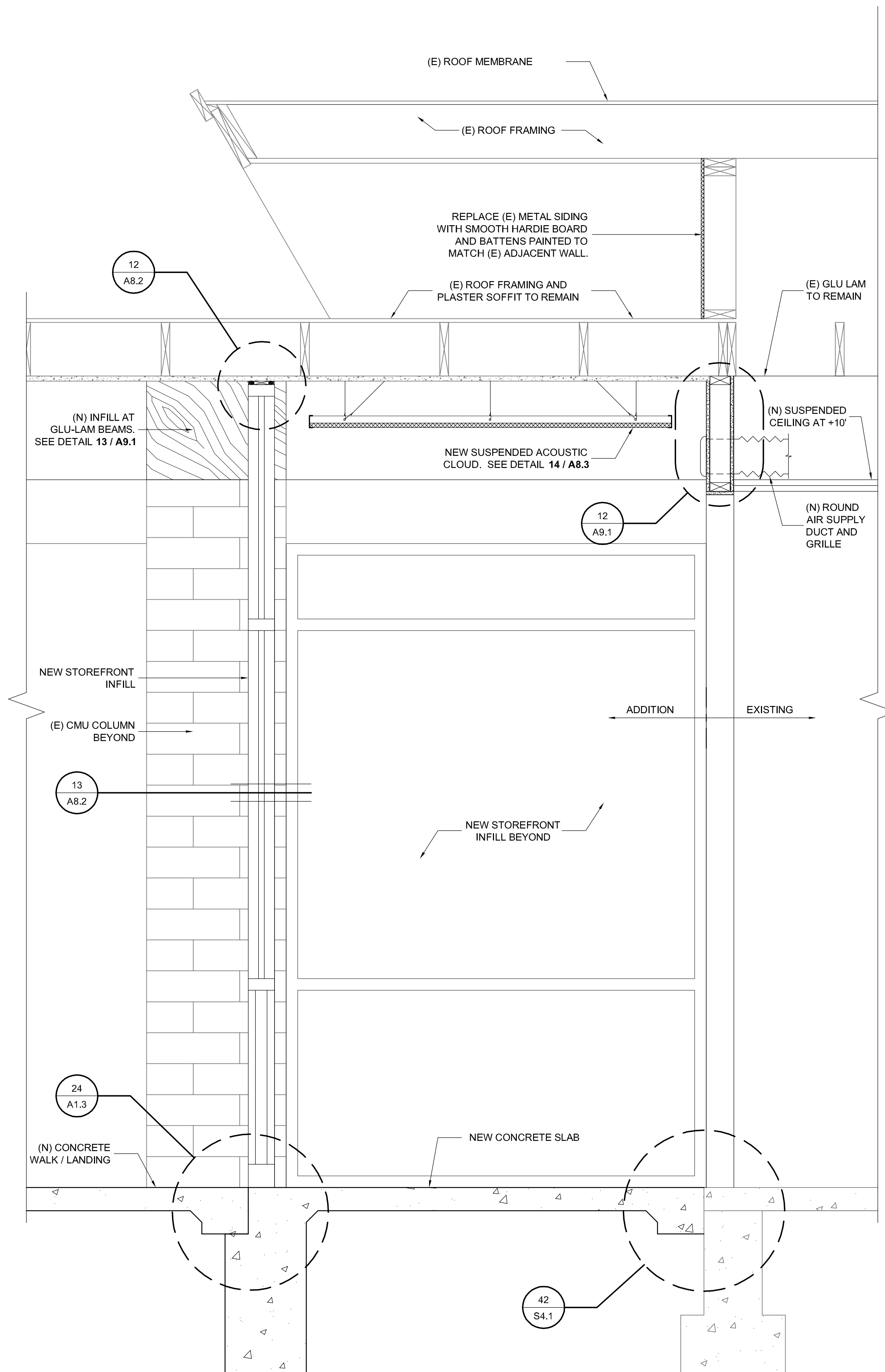
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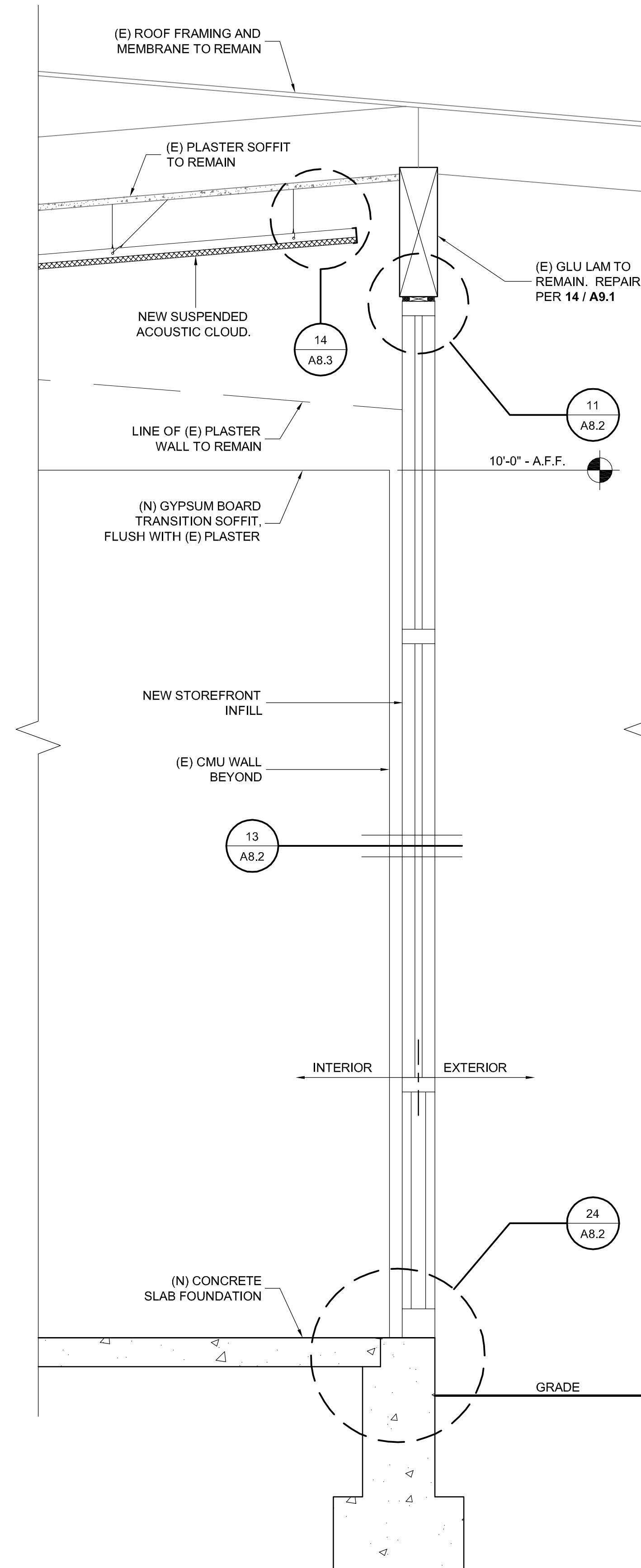




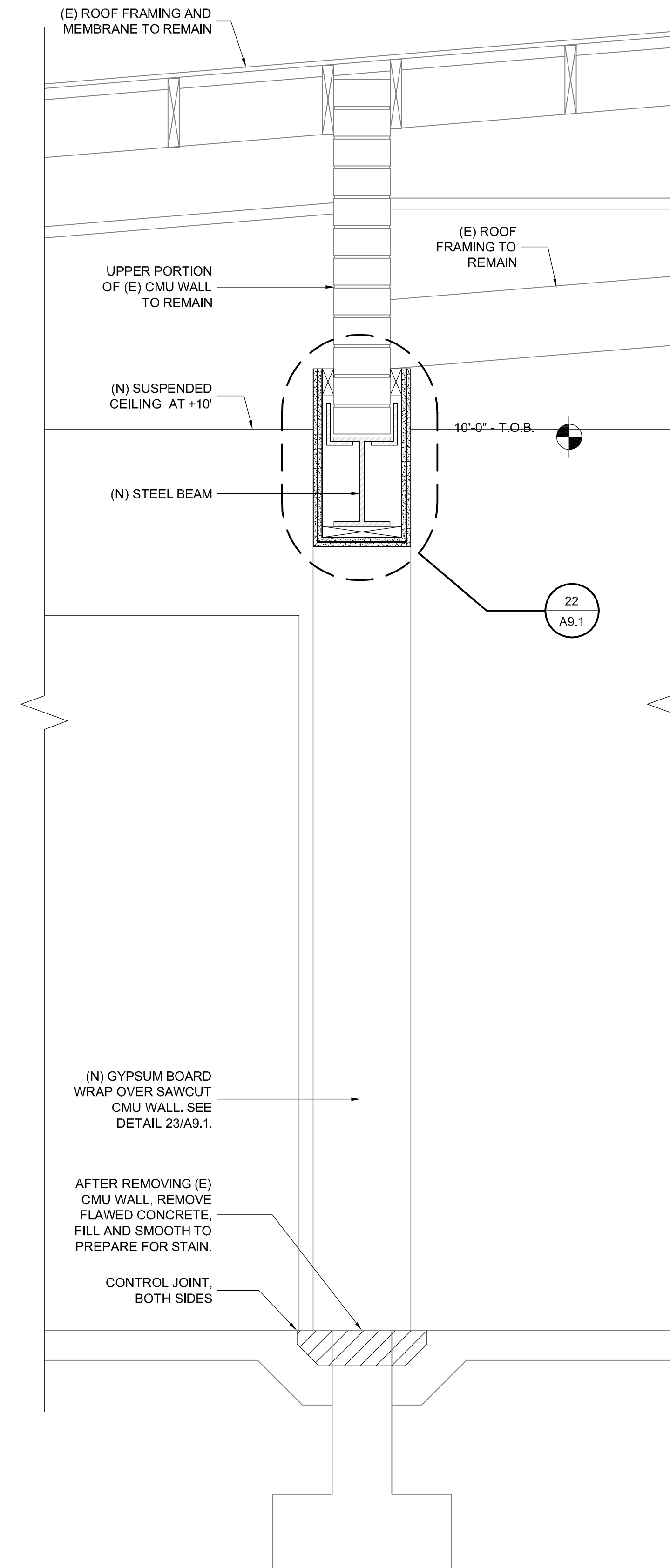
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54 SECTION A  
SCALE: 1" = 1'-0"



34 SECTION B  
SCALE: 1" = 1'-0"



14 SECTION C  
SCALE: 1" = 1'-0"

PROJECT

**SUPERIOR COURT  
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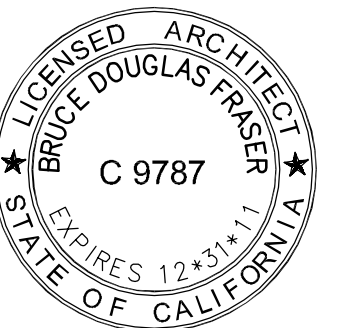
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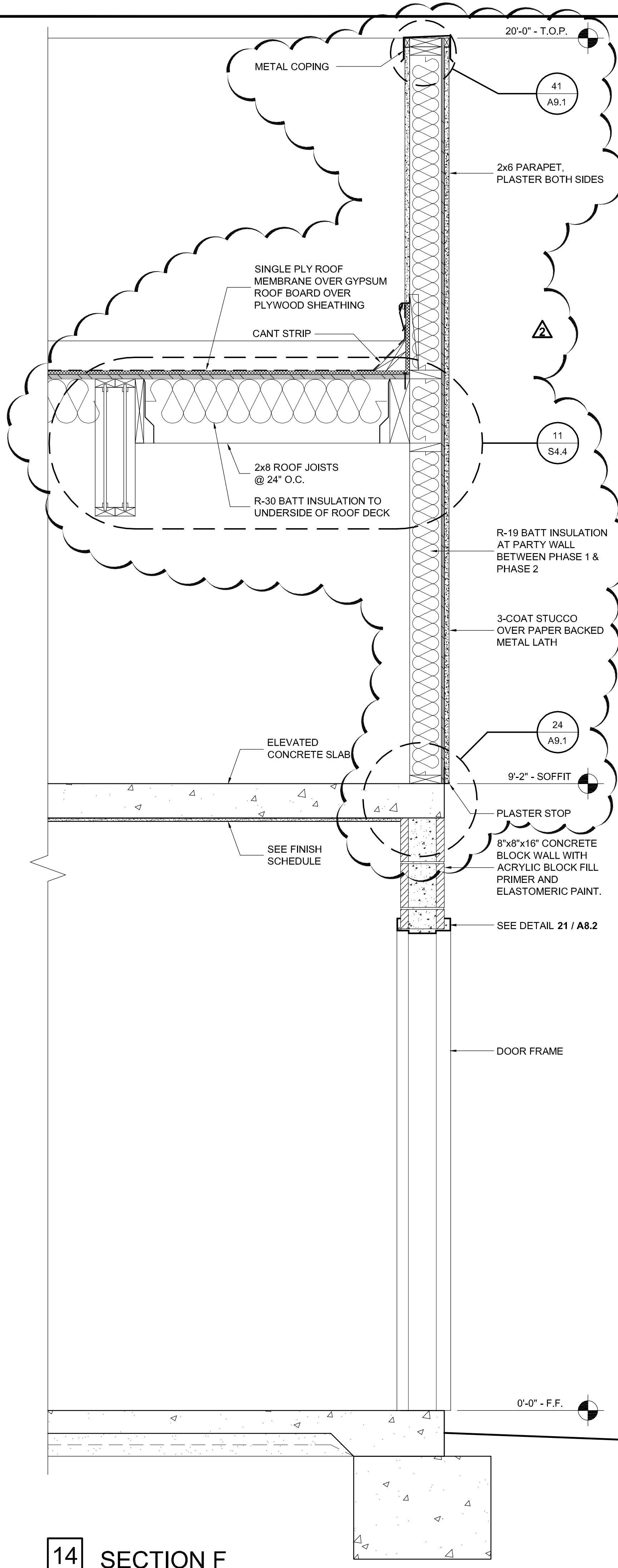
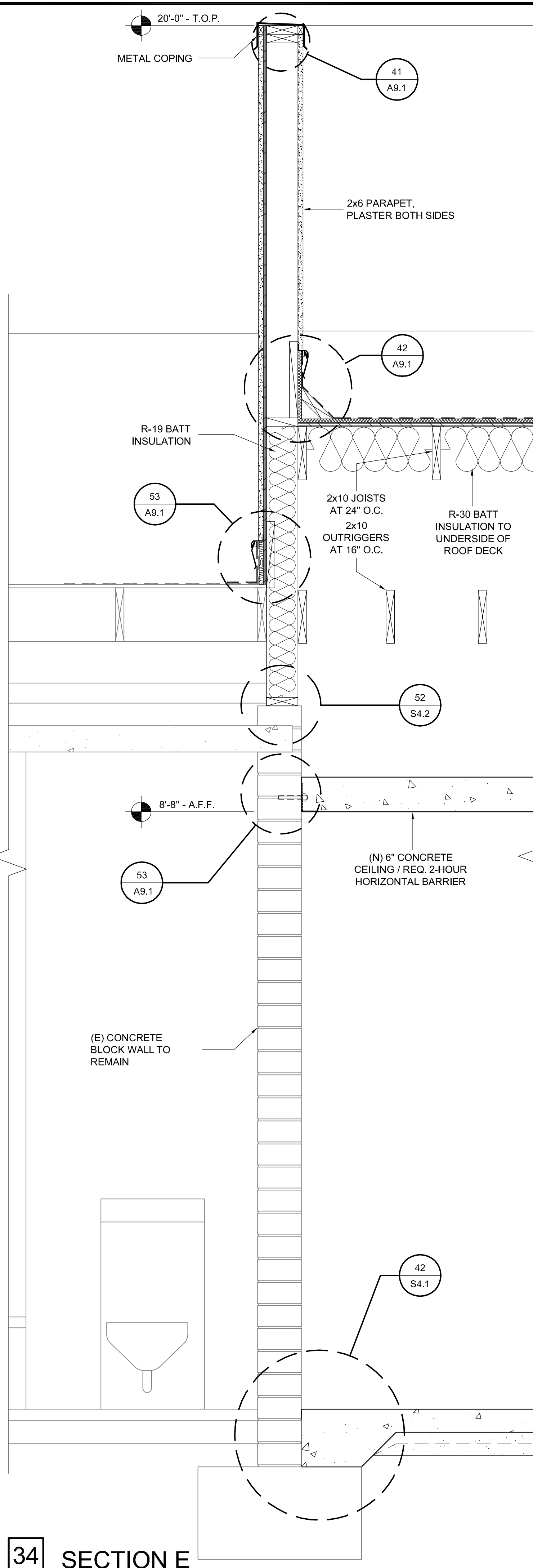
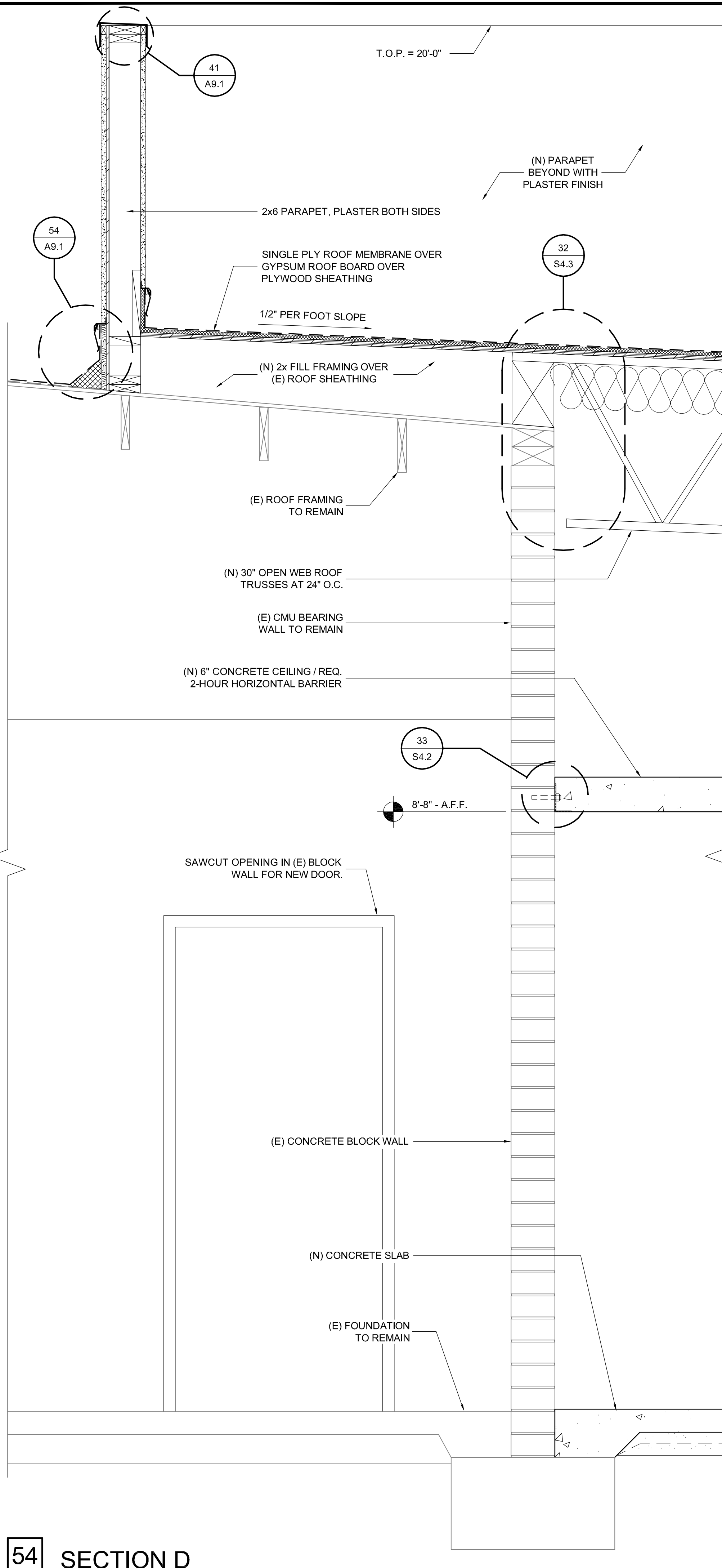
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**PHASE I  
WALL SECTIONS**

SHEET #

**A6.2**

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**SUPERIOR COURT  
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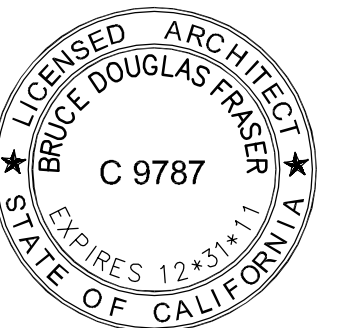
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**PHASE I  
WALL SECTIONS**

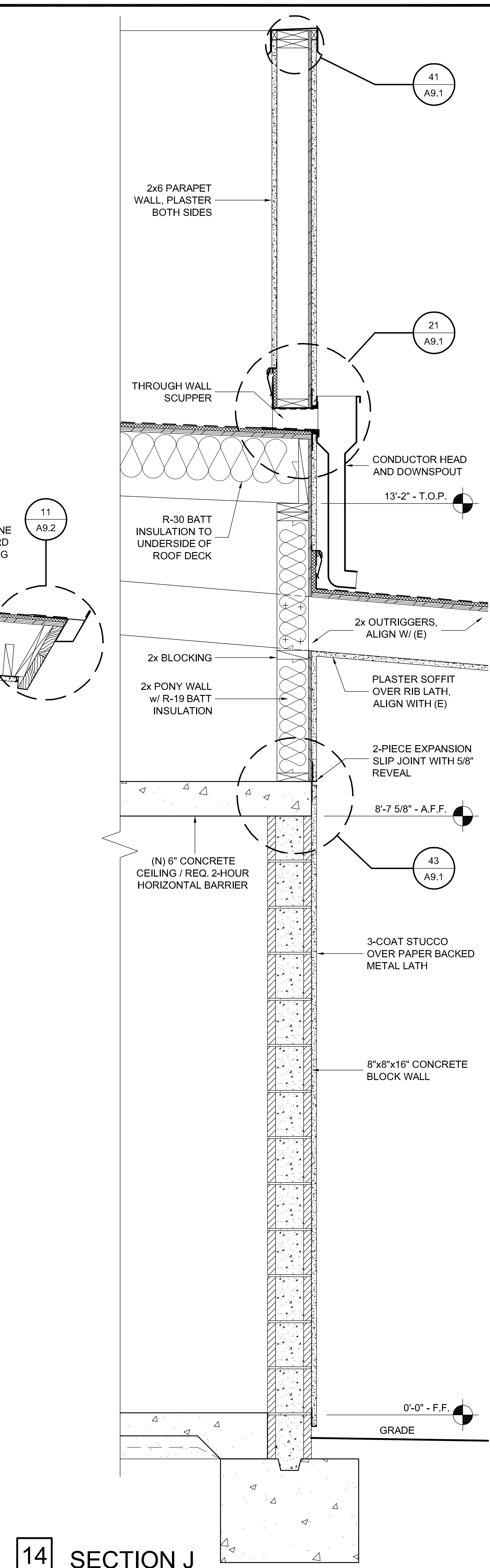
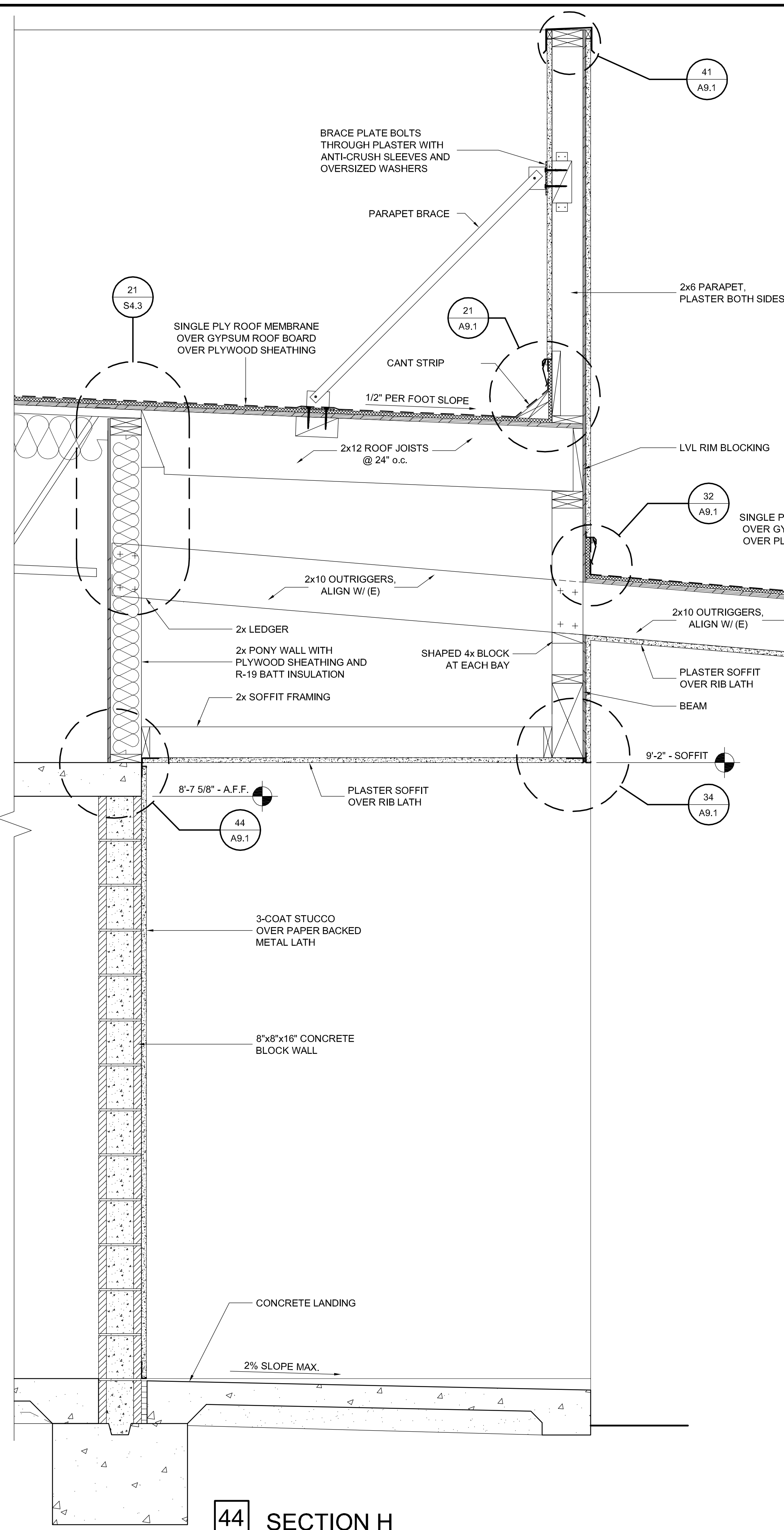
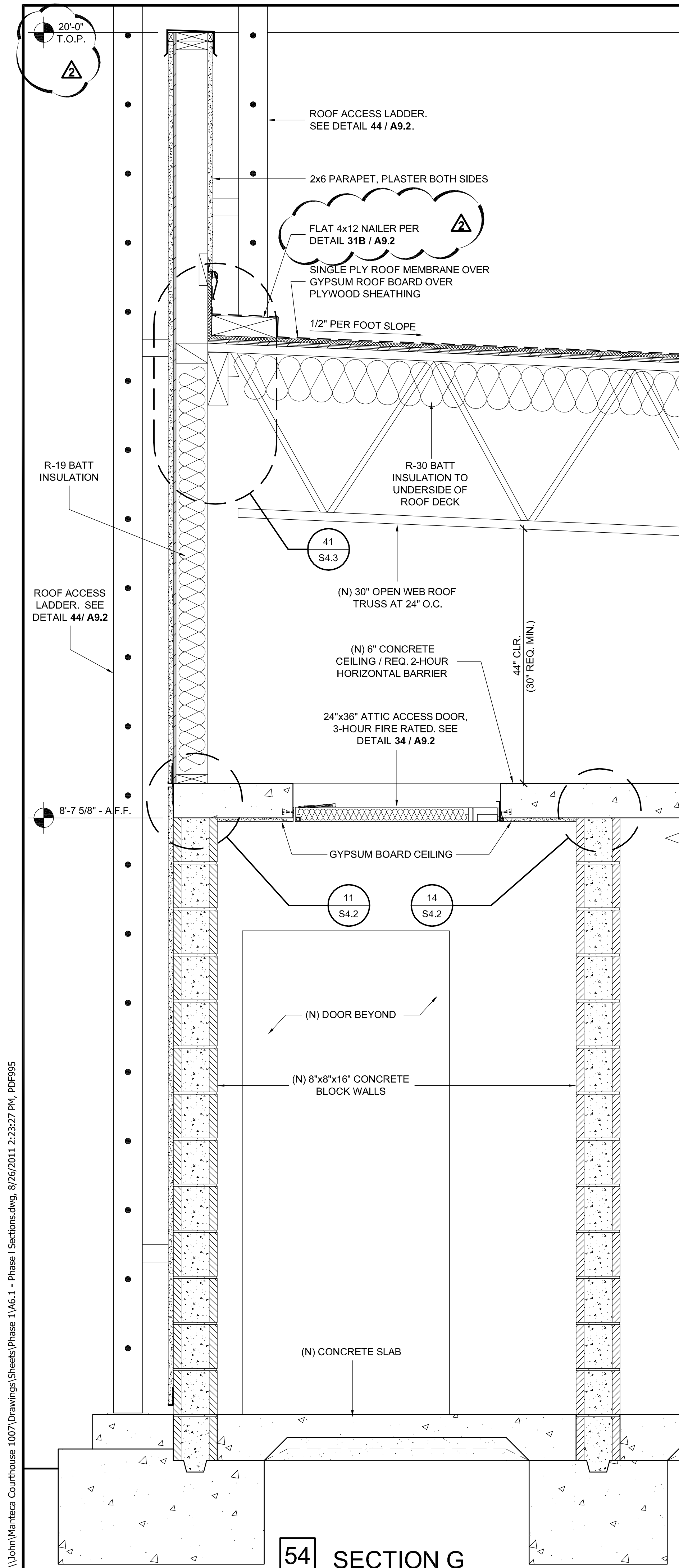
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SHEET #

**A6.3**



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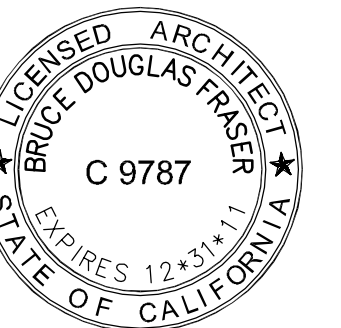
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SHEET TITLE

**PHASE I  
WALL SECTIONS**

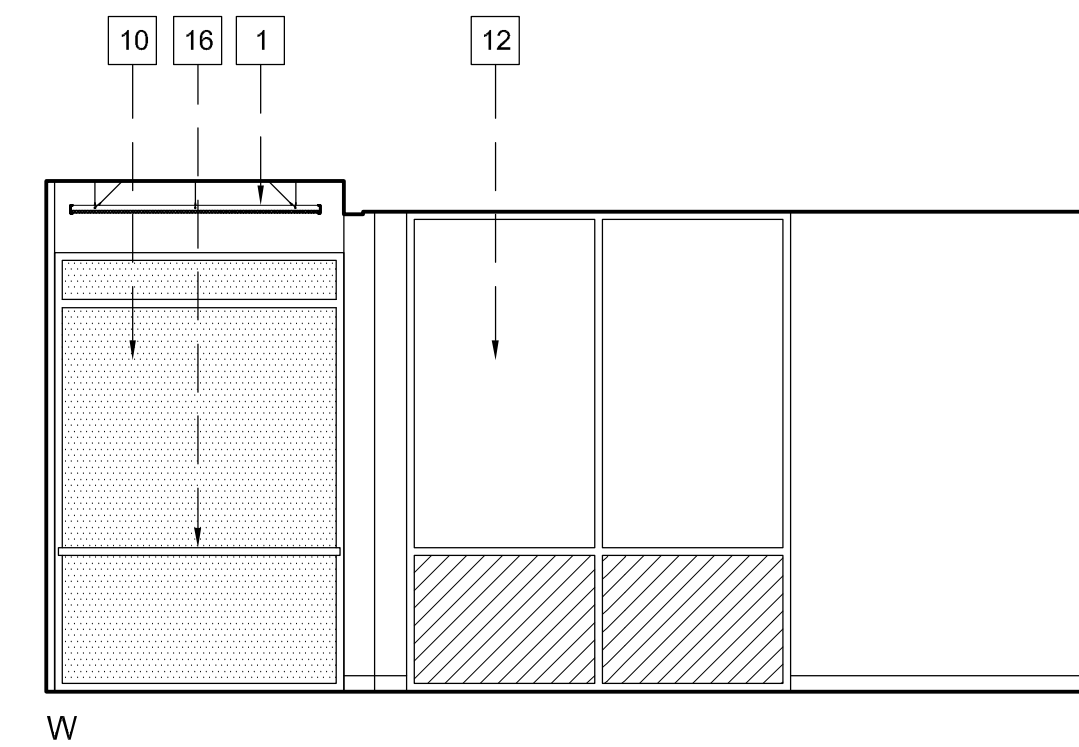
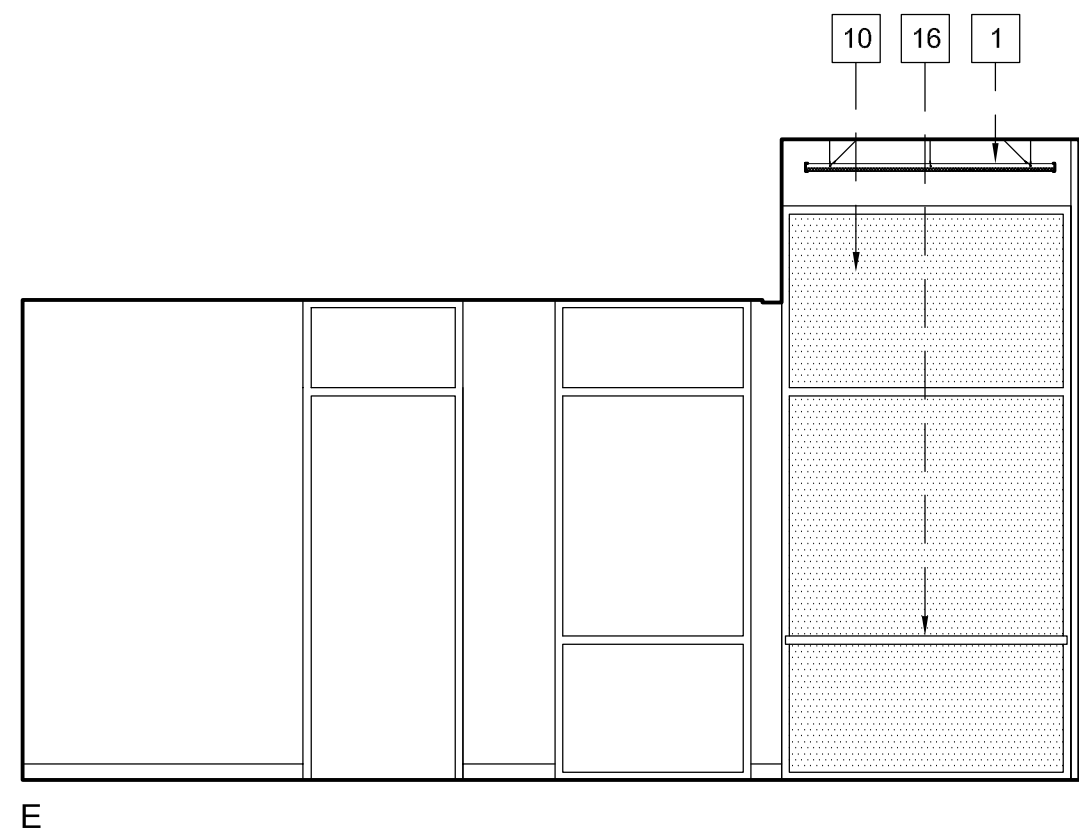
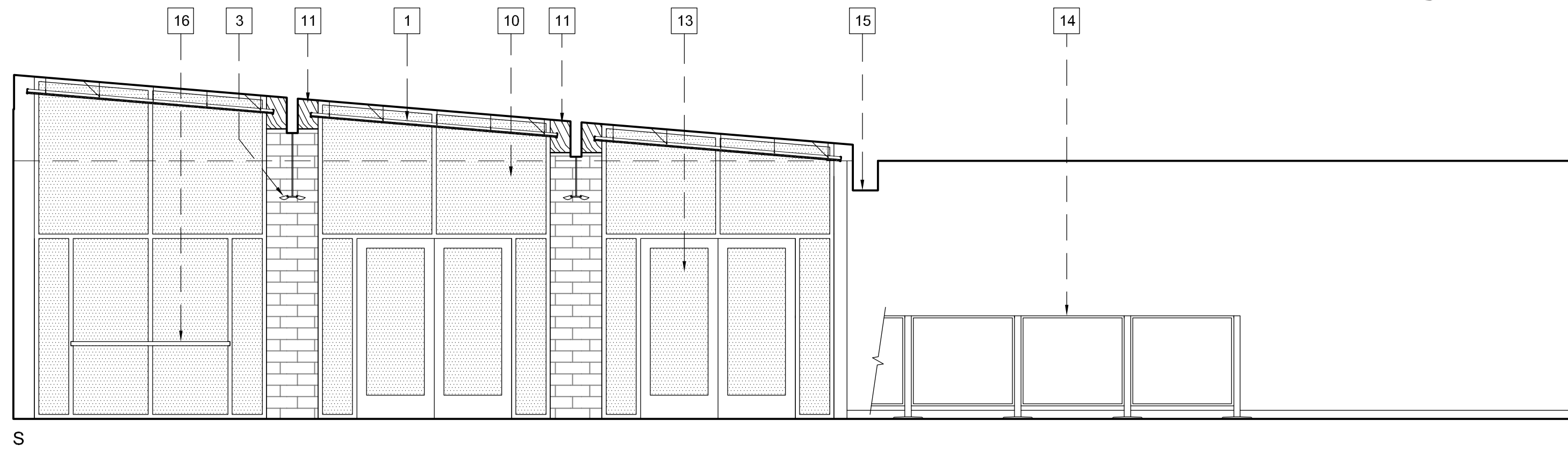
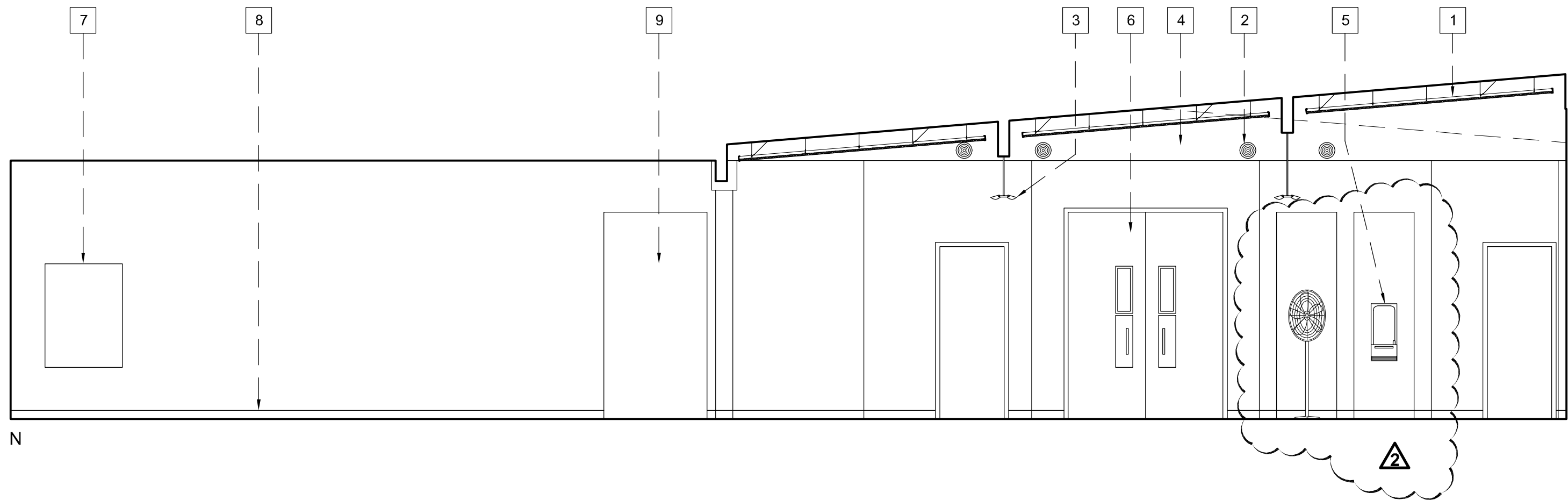
SCALE: 1" = 1'-0"

SHEET #

**A6.4**



\\John\Maneca Courthouse 1007\Drawings\Sheets\Phase 1\A7.1 - Phase I Interior Elevations.dwg, 8/26/2011 2:24:21 PM, PDF995



INTERIOR ELEVATION KEYNOTES

1. SUSPENDED ACOUSTIC CEILING TILES.
2. ROUND SUPPLY AIR GRILLE.
3. SUSPENDED INDIRECT LIGHT FIXTURE CENTERED ON BEAM.
4. NEW SOFFIT WALL.
5. (E) ACCESSIBLE DRINKING FOUNTAIN. SEE DETAIL 14 / A7.2.
6. NEW DOORS TO COURTROOM VESTIBULE. SEE DETAIL 42 / A8.2.
7. DIRECTORY SIGN LOCATION.
8. 4" BASE, TYP.
9. 4' WIDE x 8' HIGH OPENING.
10. NEW STOREFRONT.
11. NEW INFILL BLOCKING AT EXISTING GLU-LAM BEAMS. SEE DETAIL 13/A9.1.
12. STOREFRONT REPLACED AFTER REMOVAL OF TEMPORARY DOORS.
13. NEW STOREFRONT DOORS.
14. BARRICADE WITH 48" POSTS AND 48" W x 42" H PANELS.
15. NEW PAINTED GYPSUM BOARD SOFFIT.
16. GLAZING PROTECTION BAR MOUNTED TO STOREFRONT AT 36" A.F.F.

44

LOBBY

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

PROJECT

SUPERIOR COURT  
OF CALIFORNIA  
COUNTY OF SAN JOAQUIN

MANTECA BRANCH  
SITE AND BUILDING  
IMPROVEMENTS

PHASE 1

CLIENT JOB # ARCHITECT JOB #  
1007



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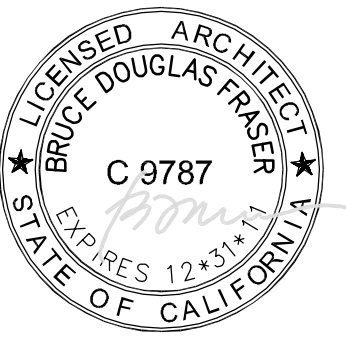
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SHEET TITLE

PHASE I  
INTERIOR  
ELEVATIONS

SHEET #

A7.1





\\John\\Manteca Courthouse 1007\\Drawings\\Sheets\\Phase I\\A8.1 - Phase I Schedules.dwg, 8/26/2011 2:26:11 PM, PDFP95

### FINISH LEGEND

FLOOR	
CAR.1	LEVEL LOOP CARPET TILE
CAR.2	LEVEL LOOP BROADLOOM CARPET
CONC.1	STAINED CONCRETE
CONC.2	EPOXY FINISHED CONCRETE
CONC.3	CLEAR SEALED CONCRETE
CT.1	2" X 2" UNGLAZED CERAMIC TILE
RF.1	12"X12" VINYL COMPOSITION TILE (1 FIELD COLOR; 2 ACCENT COLORS)

BASE	
CT.2	COVED 2" X 2" UNGLAZED CERAMIC TILE BASE
RB.1	4" COVED RESILIENT WALL BASE
WB.1	9" HARDWOOD

WALLS	
CB.1	EPOXY FINISHED CONCRETE BLOCK
CB.2	PAINTED CONCRETE BLOCK
CT.2	6" X 6" GLAZED CERAMIC TILE (1FIELD COLOR; 3 ACCENT COLORS)
GB.1	GYPSUM BOARD, LOW TEXTURE, SATIN PAINT
WP.1	WOOD VENEER PANELING SYSTEM

CEILINGS	
AT.1	SUSPENDED ACOUSTIC TILE
GB.2	GYPSUM BOARD, EPOXY FINISH
GB.3	GYPSUM BOARD, LOW TEXTURE, SATIN PAINT
WP.2	ACOUSTIC WOOD PANELING

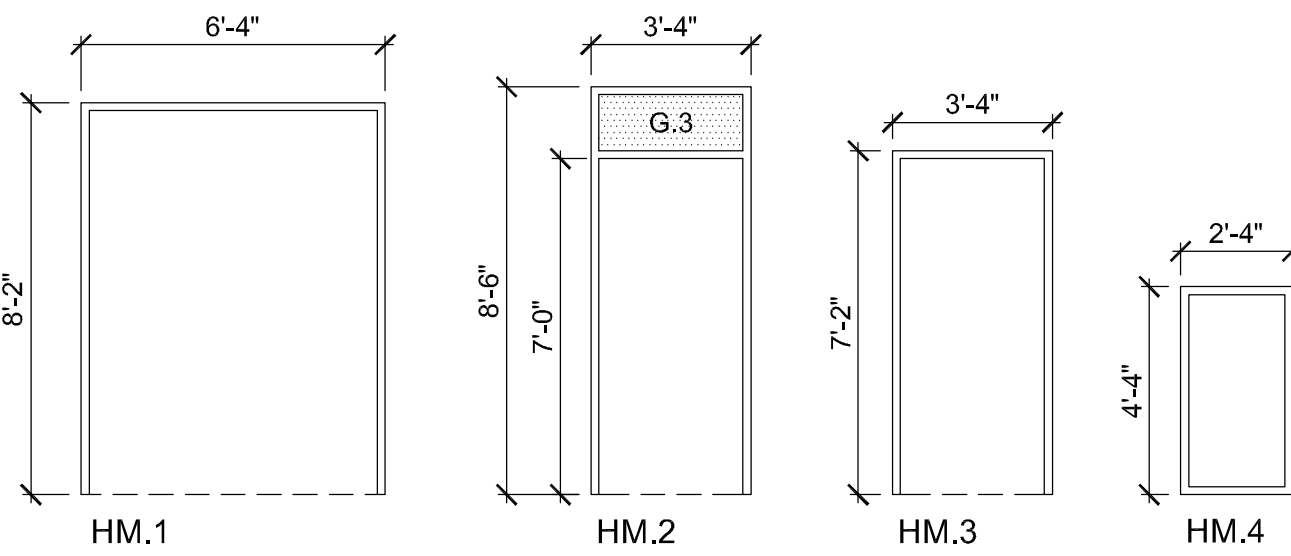
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### DOOR SCHEDULE

NO.	TYPE	FRAME	WIDTH	HT.	THICK.	HDWRE.	REMARKS	SIGNAGE (SEE SHEET SS.1)
1.1	AL.1	S.1	6'-0"	8'-0"	-	1	STOREFRONT ENTRY PAIR, SAFETY G.2 GLAZING	8.01 LEFT LEAF, 8.02 RIGHT LEAF
1.2	AL.1	S.2	6'-0"	8'-0"	-	2	STOREFRONT ENTRY PAIR, SAFETY G.2 GLAZING	8.03 LEFT LEAF, 8.04 RIGHT LEAF
1.3	WD.1	HM.1	6'-0"	8'-0"	1-3/4"	3	PASSAGE PAIR, SAFETY G.4 GLAZING	8.06, 8.07 LOBBY WALL RIGHT OF DOOR 8.08 VESTIBULE WALL RIGHT OF DOOR
1.4	SD.1	HM.3	3'-0"	7'-0"	1-3/4"	4	PASSAGE, SAFETY G.4 GLAZING	8.59 RIGHT OF DOOR
1.5	-	HM.3	3'-0"	7'-0"	1-3/4"	5	FRAME ONLY, 90 MIN. RATED, DOOR TO BE INSTALLED IN PHASE II	8.58 COURTROOM SIDE OF DOOR
1.6	WD.2	HM.3	3'-0"	7'-0"	1-3/4"	6	PASSAGE, 90 MIN. RATED	8.60 JURY ROOM SIDE OF DOOR
1.7	SD.2	HM.3	3'-0"	7'-0"	1-3/4"	7	DETENTION CELL DOOR, SAFETY G.3 GLAZING	8.55 LEFT SIDE OF DOOR
1.8	SD.2	HM.3	3'-0"	7'-0"	1-3/4"	7	DETENTION CELL DOOR, SAFETY G.3 GLAZING	8.54 LEFT SIDE OF DOOR
1.9	SD.2	HM.3	3'-0"	7'-0"	1-3/4"	7	DETENTION CELL DOOR, SAFETY G.3 GLAZING	8.53 RIGHT SIDE OF DOOR
1.10	WD.3	HM.4	2'-0"	4'-0"	1-3/4"	8	CHASE ACCESS DOOR	NO SIGNAGE
1.11	WD.3	HM.4	3'-0"	4'-0"	1-3/4"	9	CHASE ACCESS DOOR	NO SIGNAGE
1.12	SD.3	HM.2	3'-0"	7'-0"	1-3/4"	10	ENTRY / EXIT WITH SAFETY G.3 GLAZING TRANSOM ABOVE	8.51 EXTERIOR RIGHT SIDE OF DOOR 8.52 INTERIOR LEFT SIDE OF DOOR

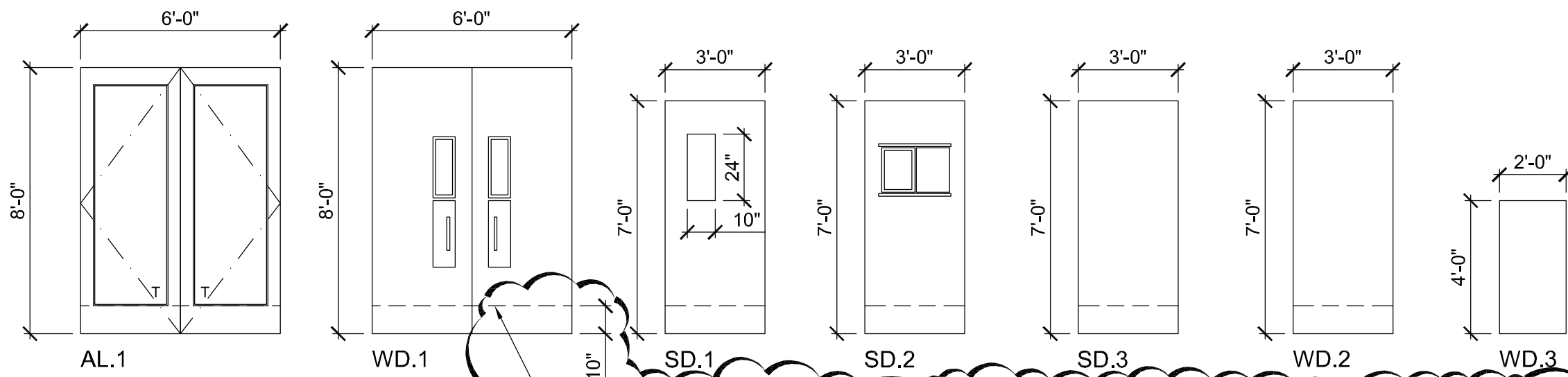
#### LEGEND

AL ALUMINUM, STOREFRONT OR DOOR FRAME  
HM HOLLOW STEEL FRAME  
WD STAIN GRADE SOLID WOOD DOOR  
SD STEEL DOOR



### PHASE I FRAME TYPES

1/4"= 1' -0"



### PHASE I DOOR TYPES

1/4"= 1' -0"

THE BOTTOM 10 INCHES OF ALL DOORS EXCEPT AUTOMATIC AND SLIDING SHALL HAVE A SMOOTH, UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION, (TYP.) PER 2010 CBC SECTION 1133B.2.6.

### FINISH SCHEDULE

ROOM NAME	FLOOR	BASE	WALLS	CEILING	REMARKS
PHASE I					
LOBBY/SCREENING	CONC.1	RB.1	GB.1	AT.1	
COURTROOM VESTIBULE	CONC.1	RB.1	GB.1	AT.1	
NEW HOLDING CELL 1	CONC.2	-	CB.1	GB.2	
NEW HOLDING CELL 2	CONC.2	-	CB.1	GB.2	
NEW HOLDING CELL 3	CONC.2	-	CB.1	GB.2	
HOLDING CELL HALLWAY	CONC.2	-	CB.2	GB.2	
SECURE HALLWAY	RF.1	RB.1	CB.2	GB.3	
PHASE II					
CORRIDOR	CONC.1	RB.1	GB.1	GB.3	WP.1 FULL HT. AT DRINKING FTN.
MEN (PUBLIC)	CT.1	CT.1	GB.1/CT.2	GB.3	CT.2 TO +7'-2" AT WALLS
WOMEN (PUBLIC)	CT.1	CT.1	GB.1/CT.2	GB.3	CT.2 TO +7'-2" AT WALLS
LOBBY/WAITING	CONC.1	RB.1	GB.1/WP.1	GB.3/AT.1	WP.1 TO +3'-0" AT WALLS
CLERICAL AREA 2	CAR.1	RB.1	GB.1	AT.1	
MANAGER	CAR.1	RB.1	GB.1	AT.1	
SUPERVISOR	CAR.1	RB.1	GB.1	AT.1	
VESTIBULE	CAR.1	WB.1	GB.1/WP.1	AT.1	WP.1 TO +2'-9" AT WALLS
CONFERENCE	CAR.1	RB.1	GB.1	AT.1	
JANITOR	CONC.3	RB.1	GB.1	AT.1	
COURTROOM 2	CAR.1	WB.1	GB.1/WP.1	GB.3/AT.1/ WP.2	WP.1 PER INTERIOR ELEVATIONS
EVIDENCE	RF.1	RB.1	GB.1	GB.3	
RAMP	CAR.1	RB.1	GB.1	GB.3	
IT ROOM	RF.1	RB.1	GB.1	GB.3	
HALLWAY	CAR.1	RB.1	GB.1	AT.1	
JUDGE'S CHAMBERS	CAR.2	RB.1	GB.1	AT.1	
RESTROOM 1	CT.1	CT.1	GB.1/CT.2	GB.3	CT.2 TO +7'-2" AT WALLS
RESTROOM 2	CT.1	CT.1	GB.1/CT.2	GB.3	CT.2 TO +7'-2" AT WALLS
JURY/BREAK	CAR.1	RB.1	GB.1	AT.1	CHAIR RAIL AT WALLS
FILES/STORAGE	RF.1	RB.1	GB.1	GB.3	

last update 8/24/11

### STOREFRONT SCHEDULE

SYM.	FRAME	WIDTH	HT.	GLAZING	REMARKS
S.1	AL	9'-0"	10'-9" / 11'-6"	G.1 / G.2	FIXED GLAZING W/ PR 3'-0" x 8'-0" DOOR OPENING
S.2	AL	9'-0"	11'-8" / 12'-5"	G.1 / G.2	FIXED GLAZING W/ PR 3'-0" x 8'-0" DOOR OPENING
S.3	AL	9'-0"	12'-7" / 13'-4"	G.1 / G.2	FIXED GLAZING, GLAZING PROTECTION BAR @ 36"
S.4	AL	6'-0"	12'-0"	G.1 / G.2	FIXED GLAZING, GLAZING PROTECTION BAR @ 36"
S.5	AL	6'-0"	9'-3"	G.1 / G.2	FIXED GLAZING, GLAZING PROTECTION BAR @ 36"
S.6	AL	8'-0"	10'-0"	G.2	FIXED GLAZING

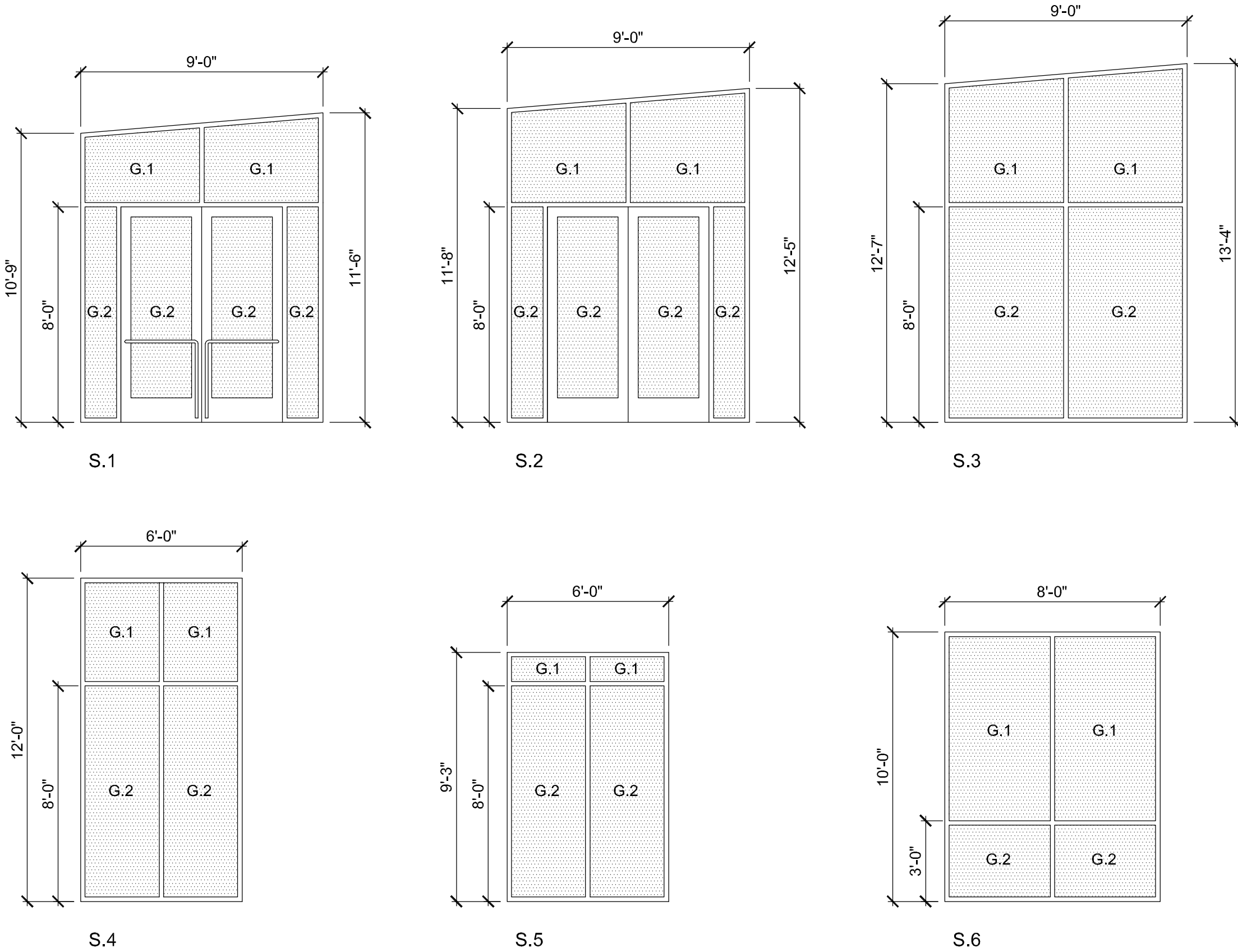
### GENERAL NOTES

#### GLAZING LEGEND:

G.1 DUAL PANE HIGH PERFORMANCE GLASS, REGULAR STRENGTH  
G.2 DUAL PANE HIGH PERFORMANCE GLASS, TEMPERED  
G.3 GLASS CLAD POLYCARBONATE GLAZING  
G.4 SINGLE PANE GLASS, TEMPERED

#### SAFETY GLAZING REQUIREMENTS:

1. GLAZING IN WINDOWS ADJACENT TO DOORS WHERE THE GLAZING IS WITHIN 24 INCHES OF EITHER VERTICAL EDGE OF THE DOOR IN A CLOSED POSITION SHALL BE SAFETY GLAZING (TEMPERED GLASS).



### PHASE I STOREFRONTS

1/4"= 1' -0"

PROJECT

**SUPERIOR COURT  
OF CALIFORNIA  
COUNTY OF SAN JOAQUIN**

**MANTECA BRANCH  
SITE AND BUILDING  
IMPROVEMENTS**

### PHASE 1

CLIENT JOB # ARCHITECT JOB #

1007

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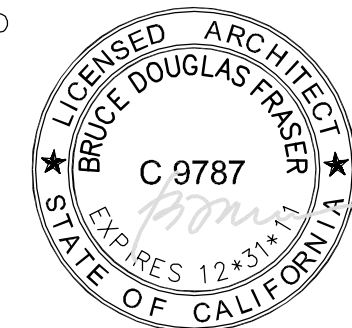
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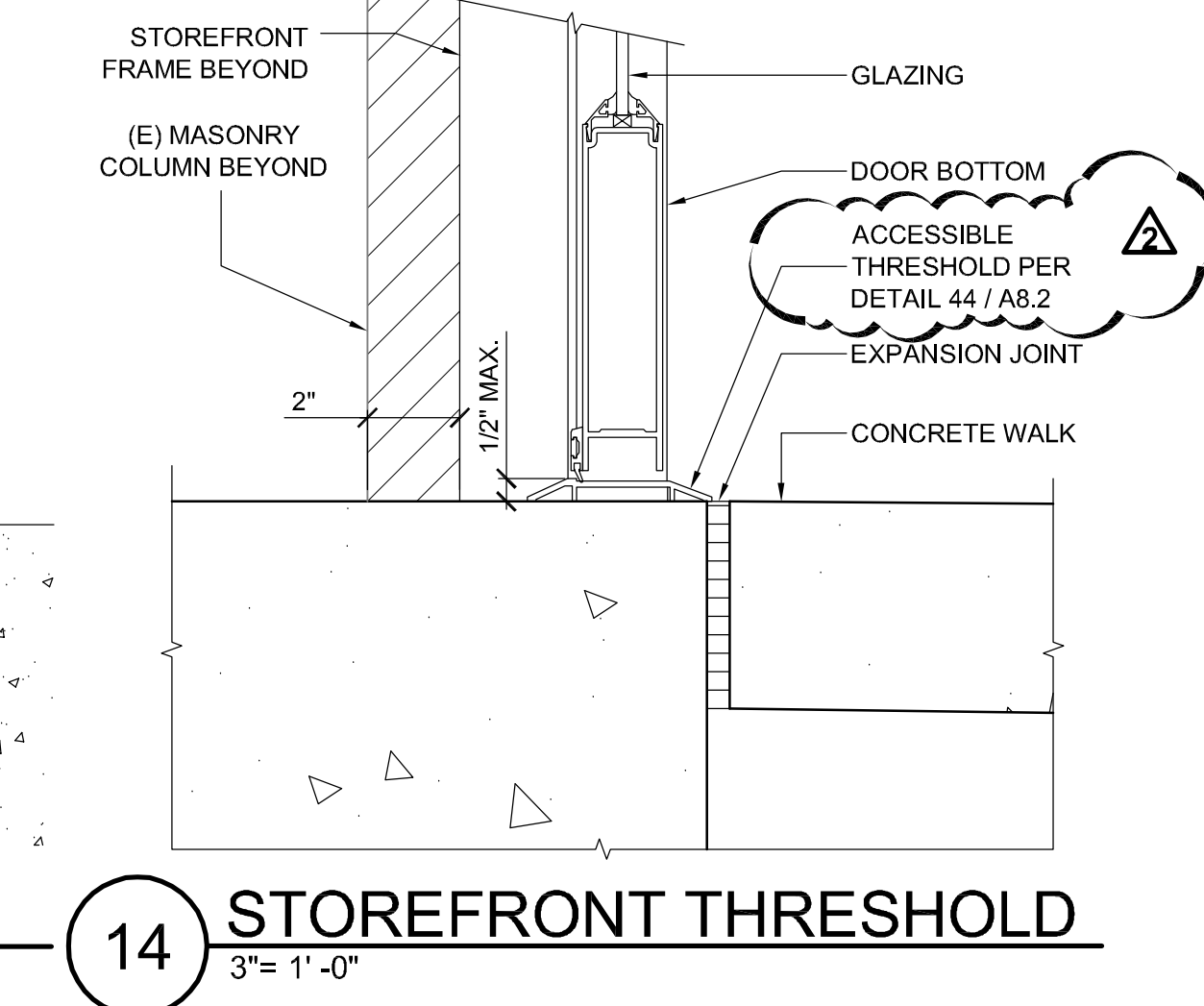
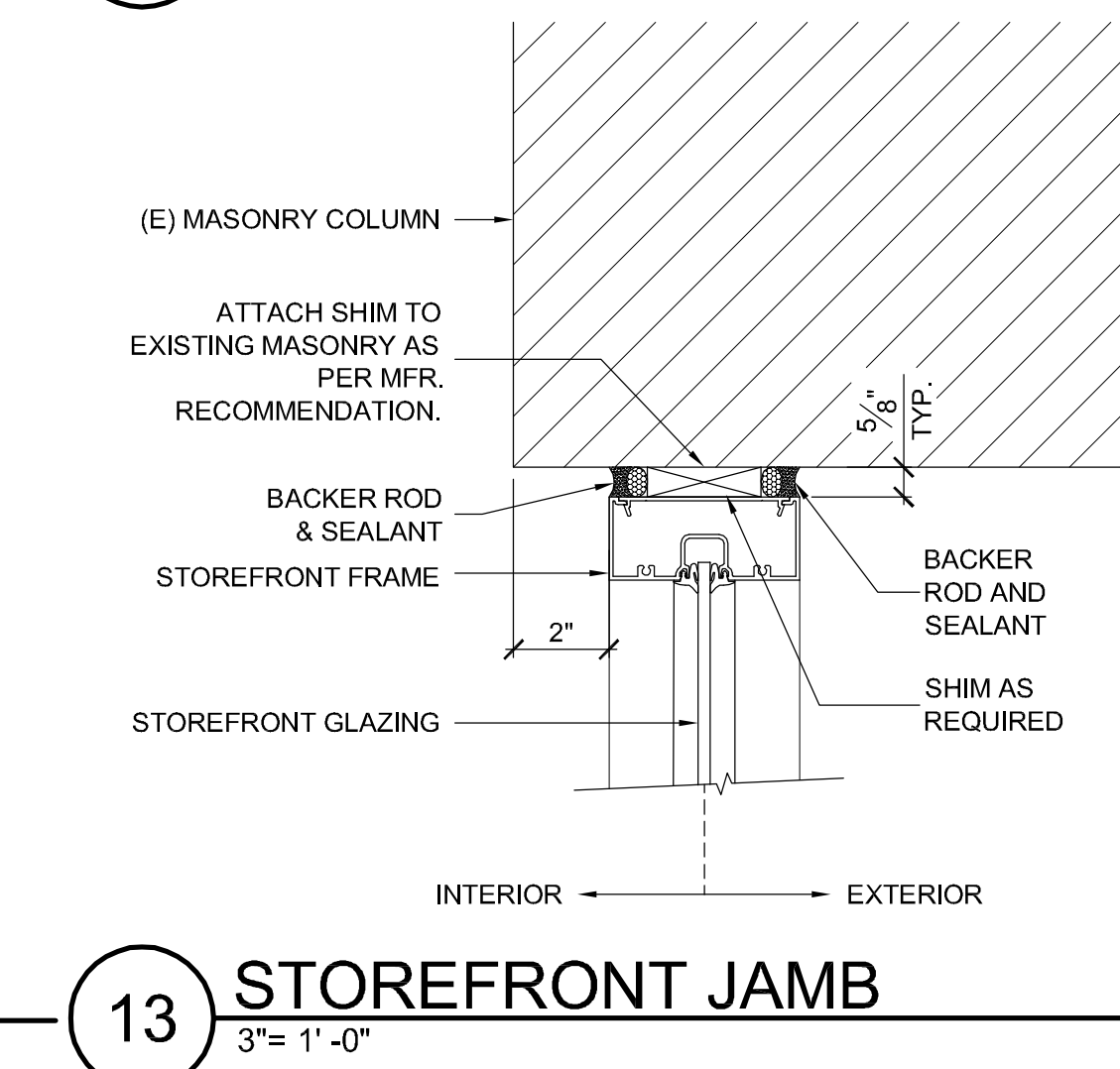
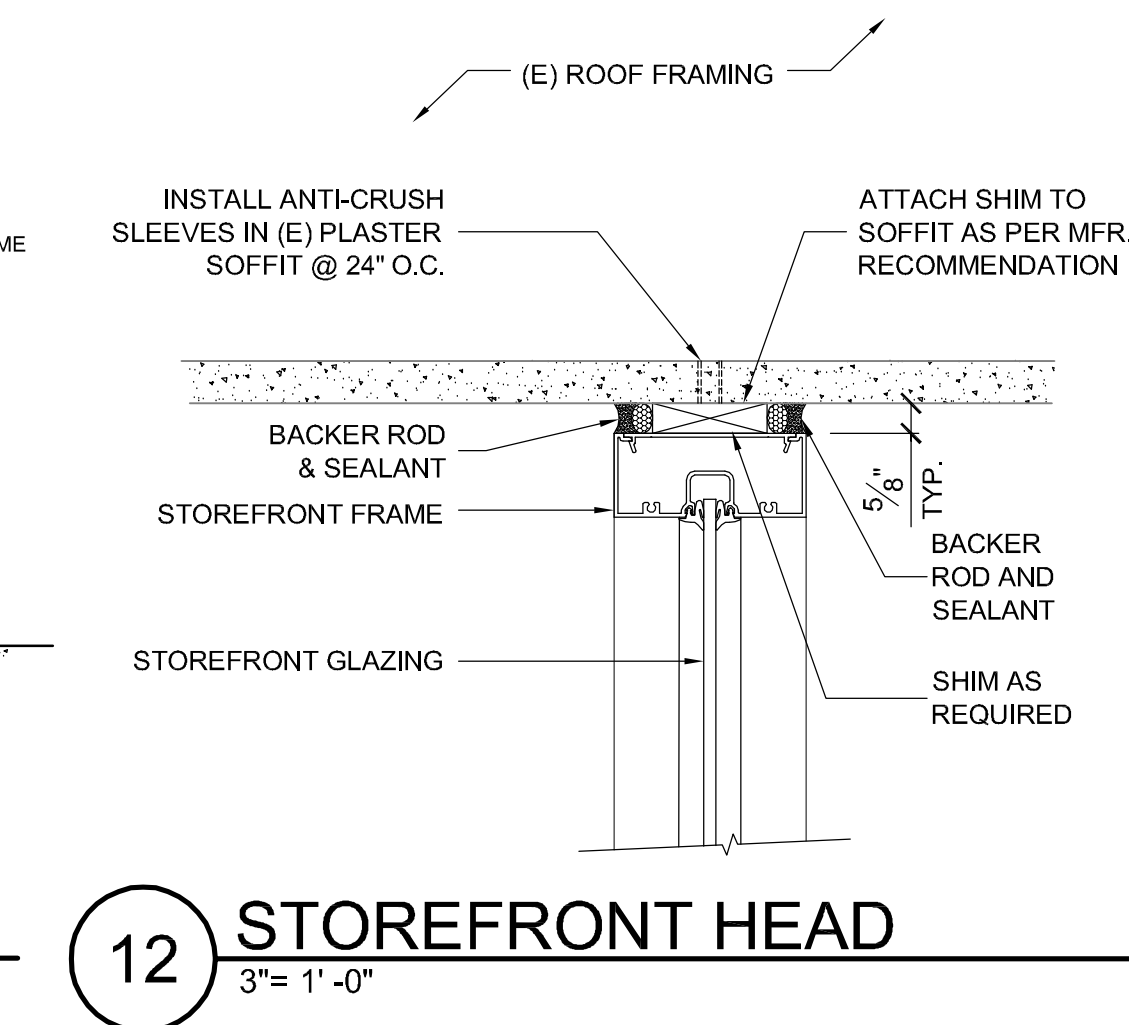
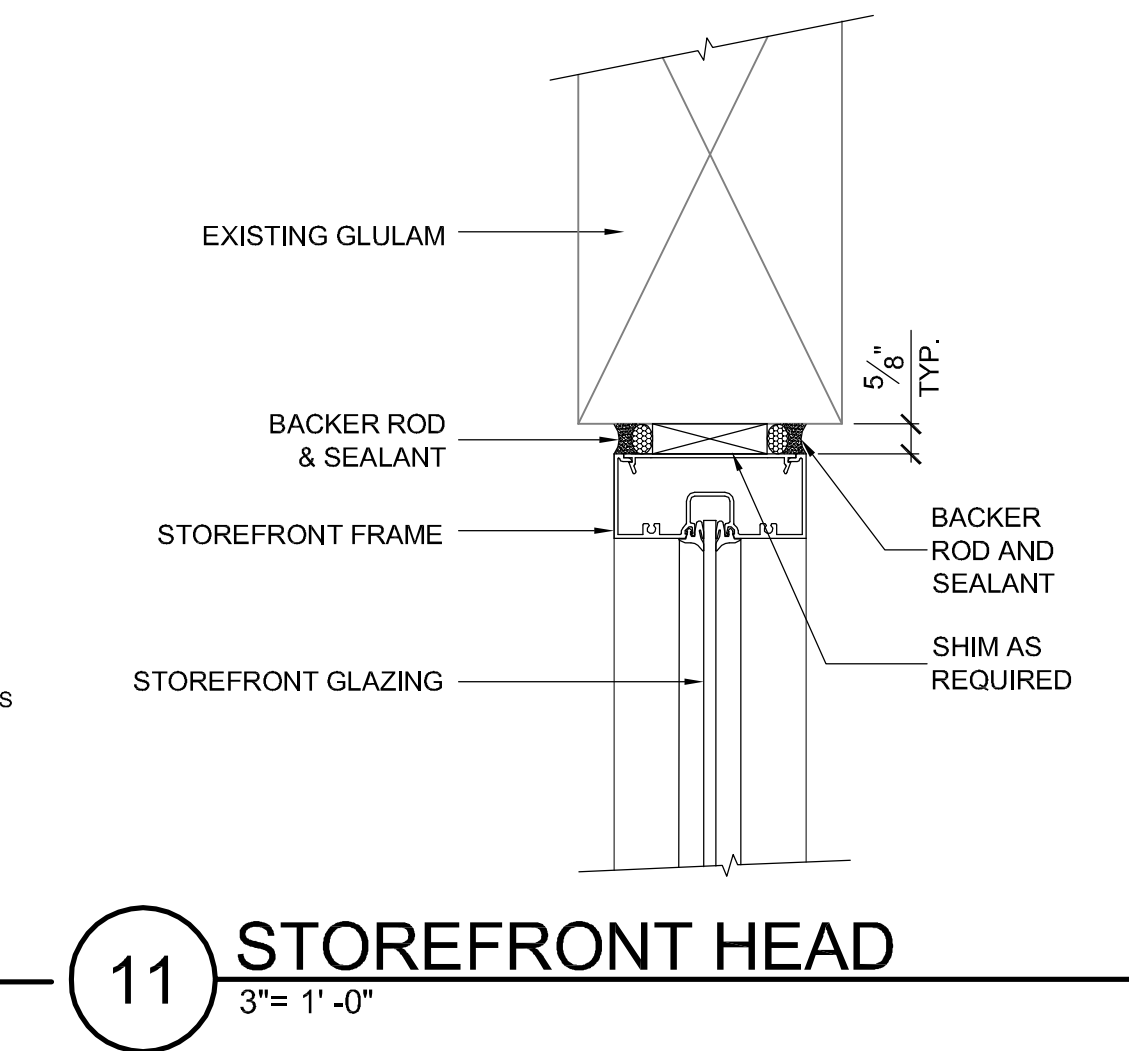
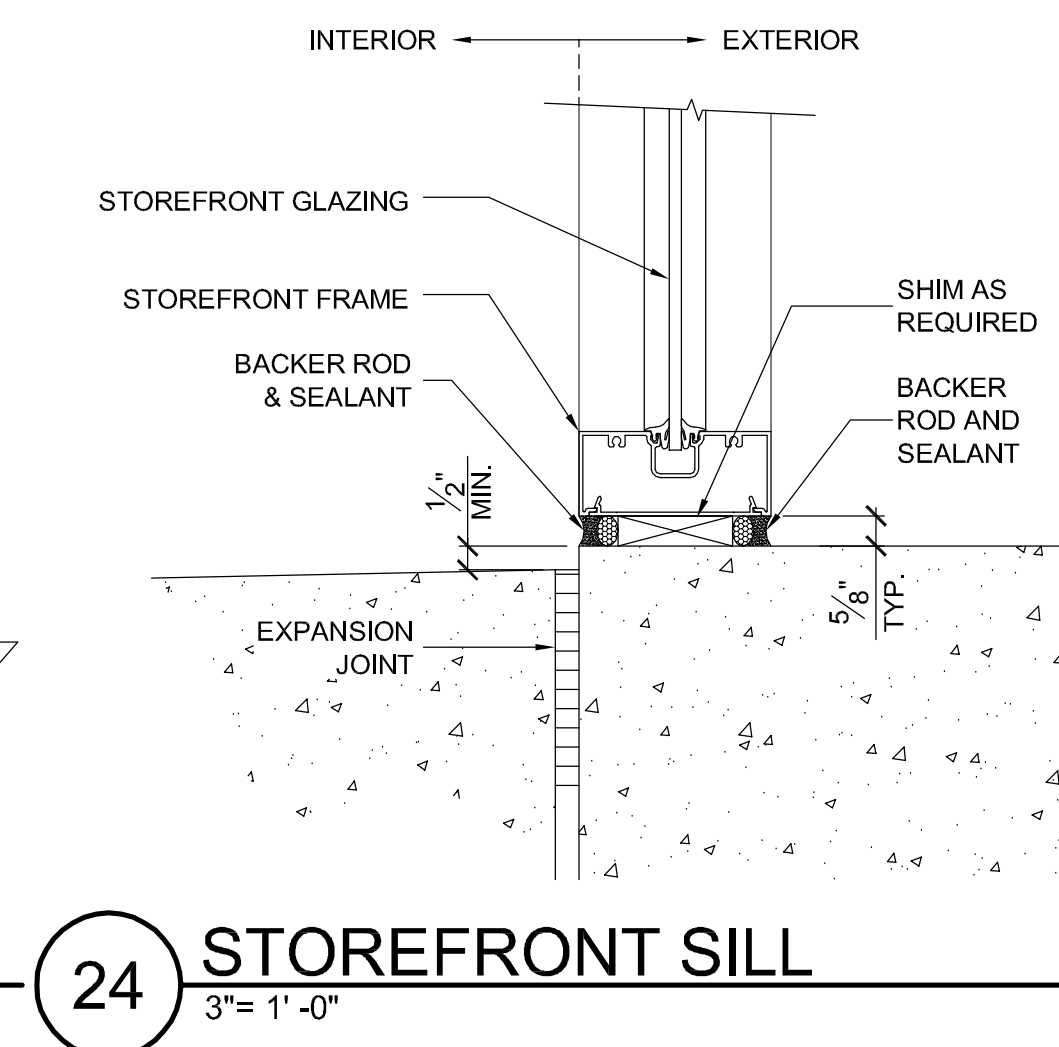
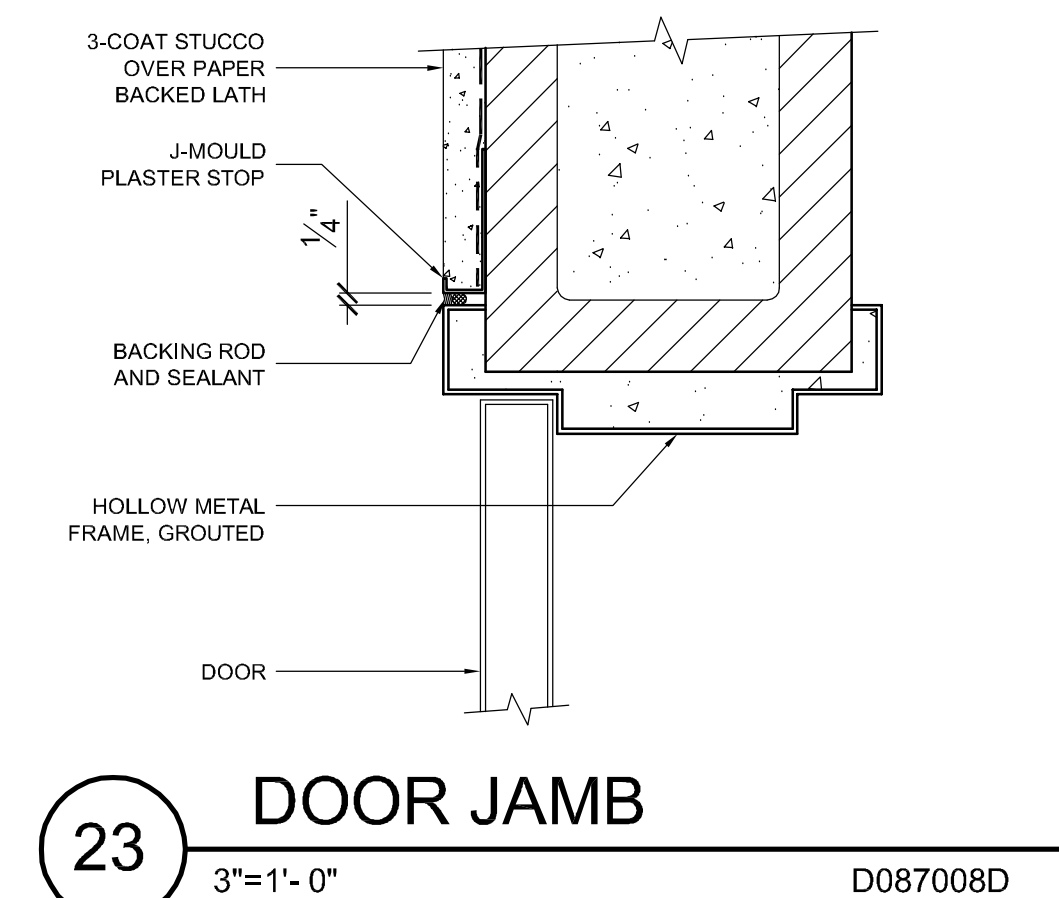
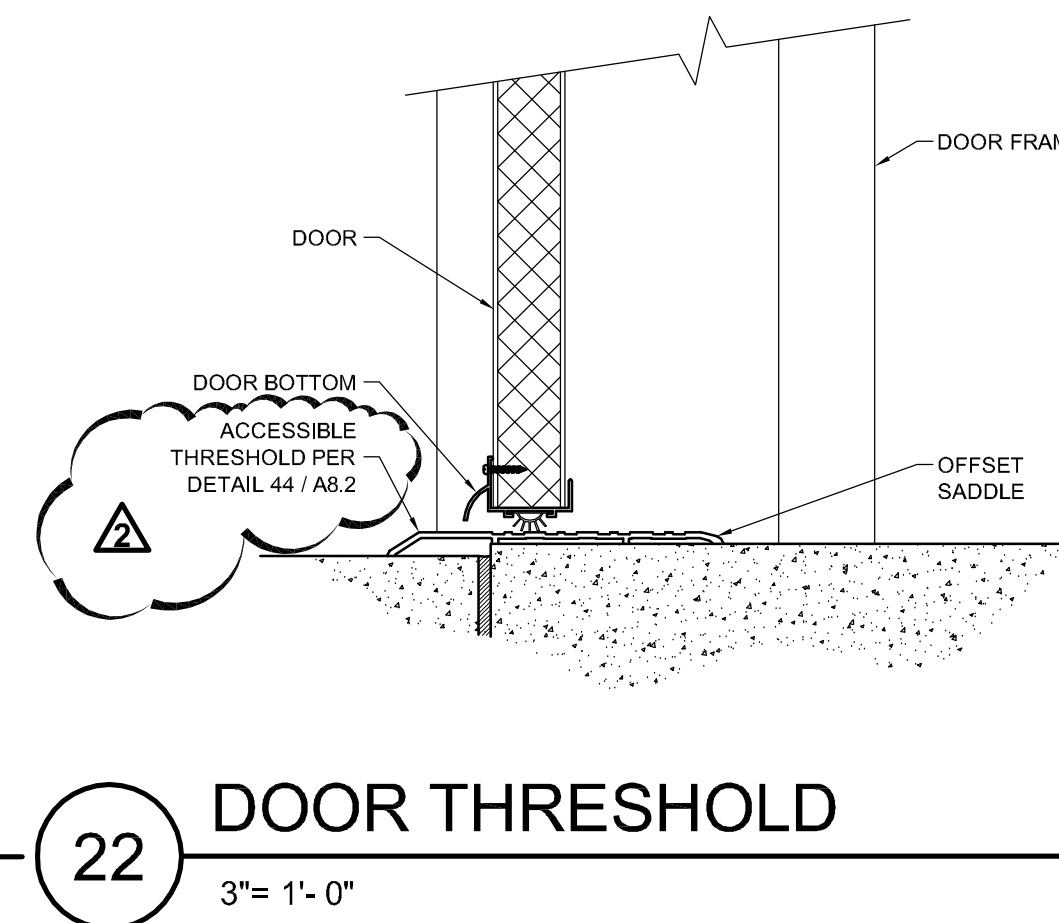
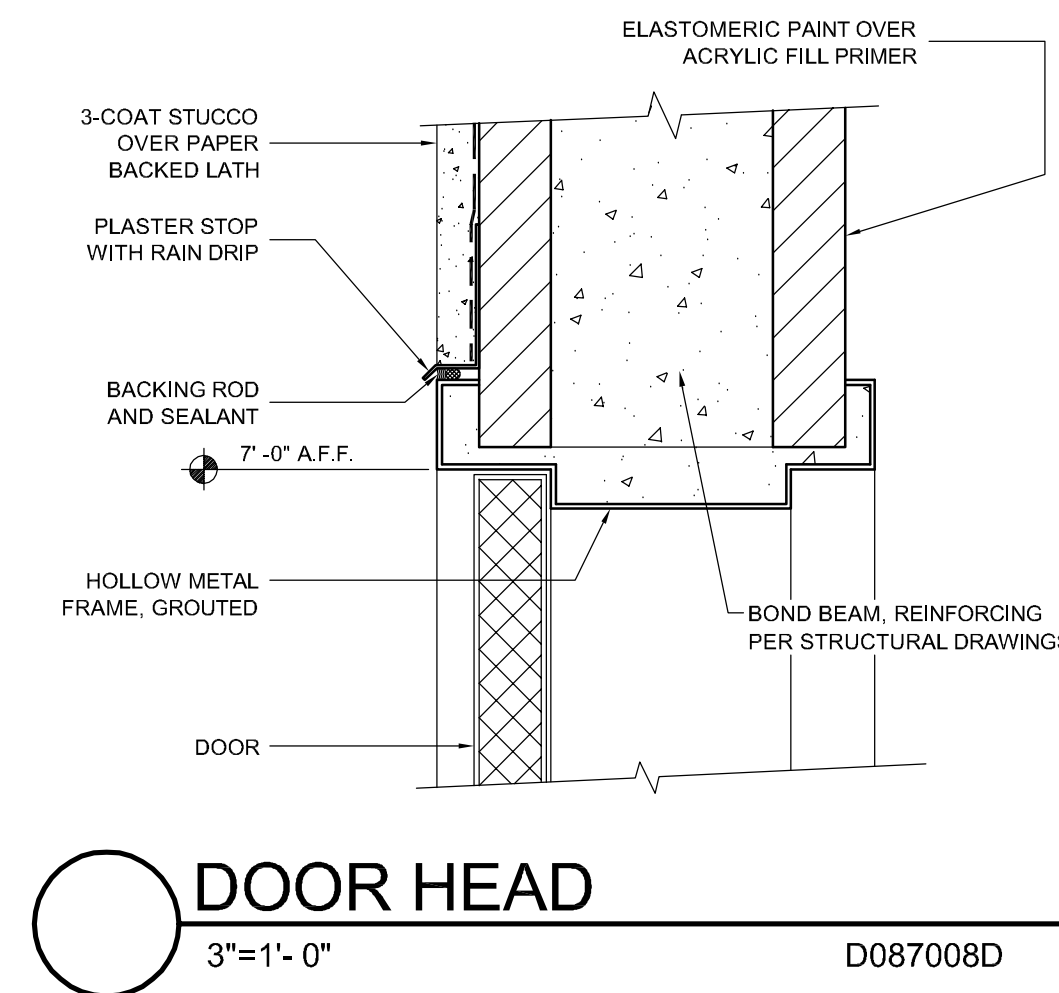
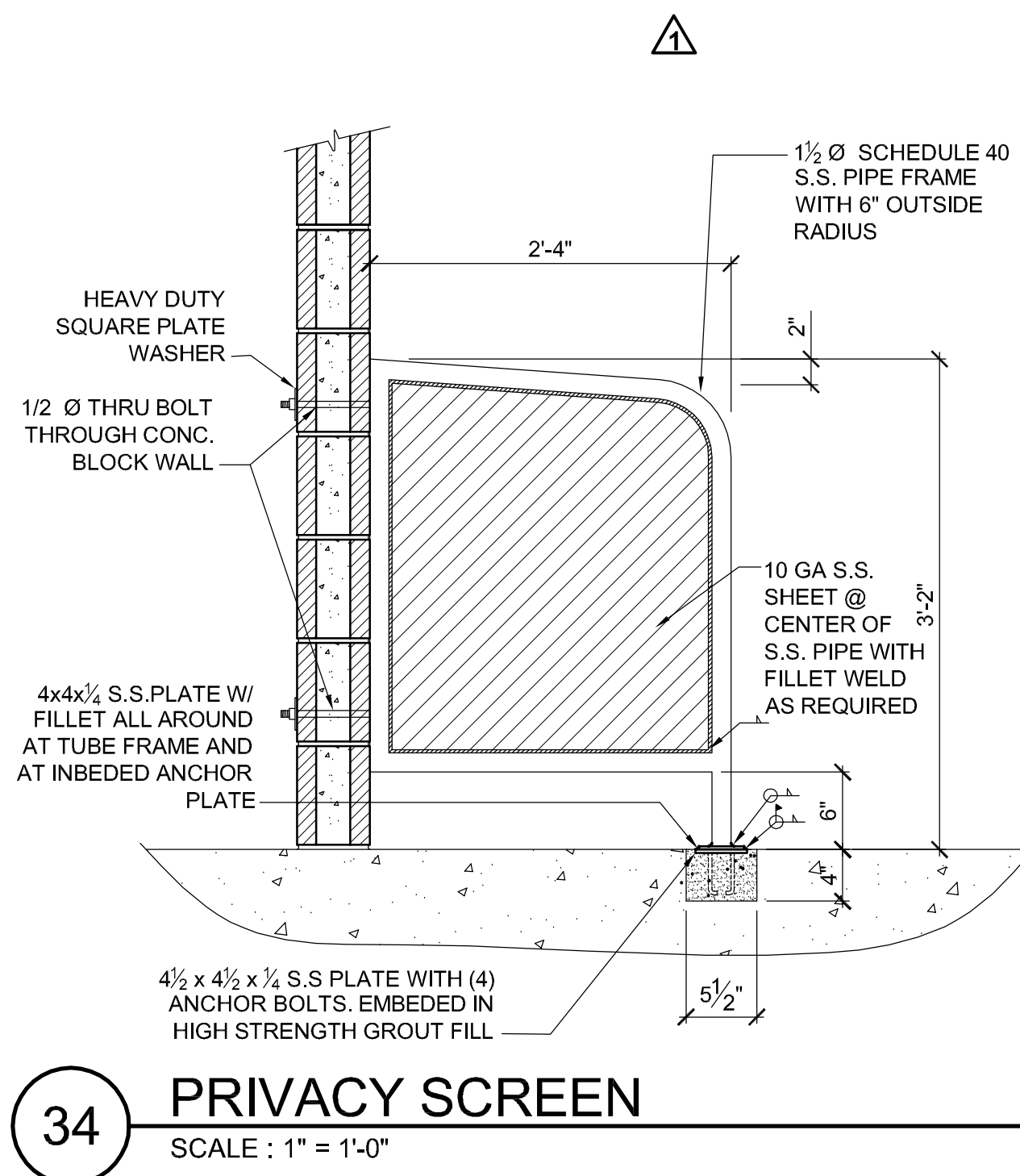
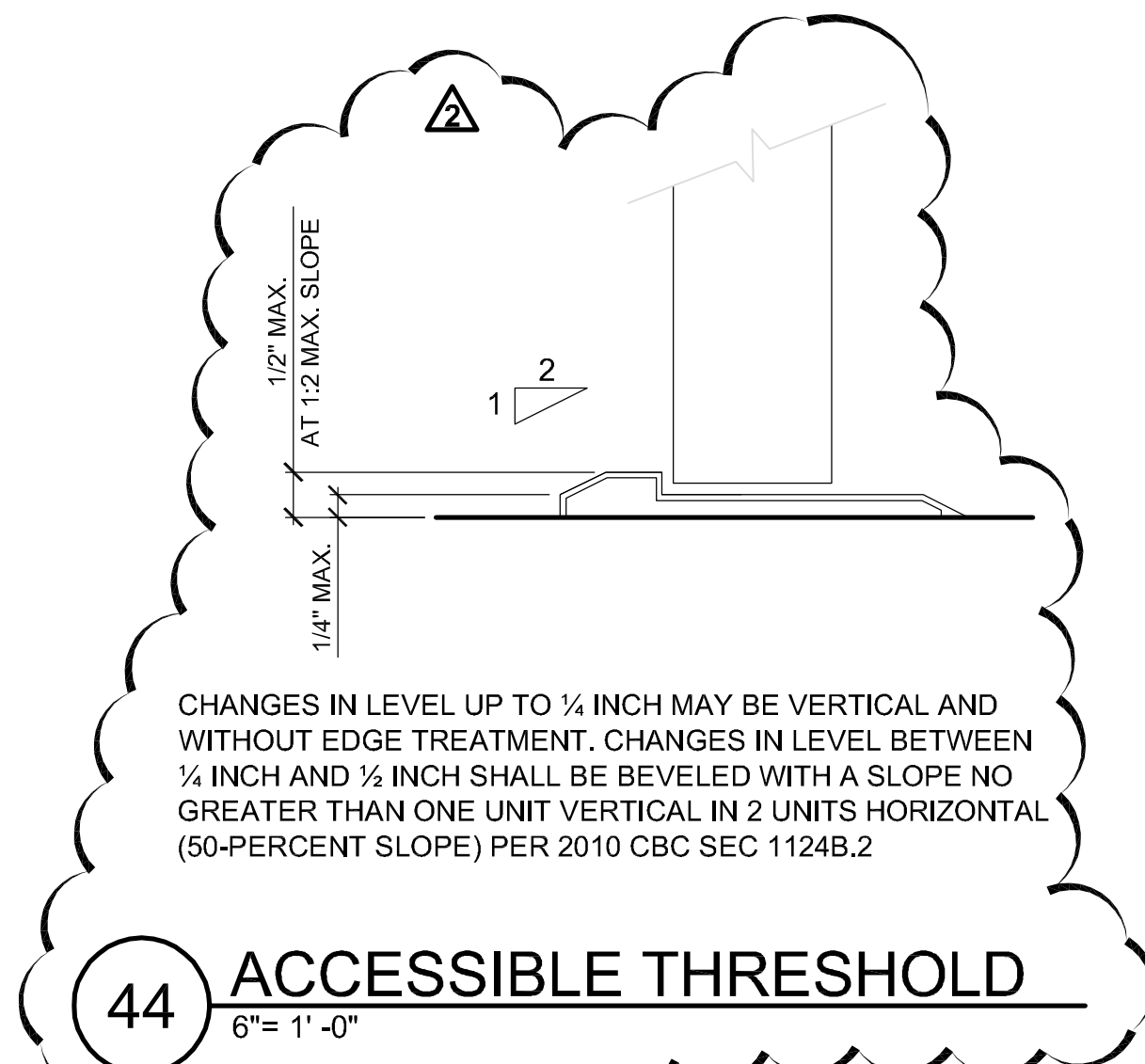
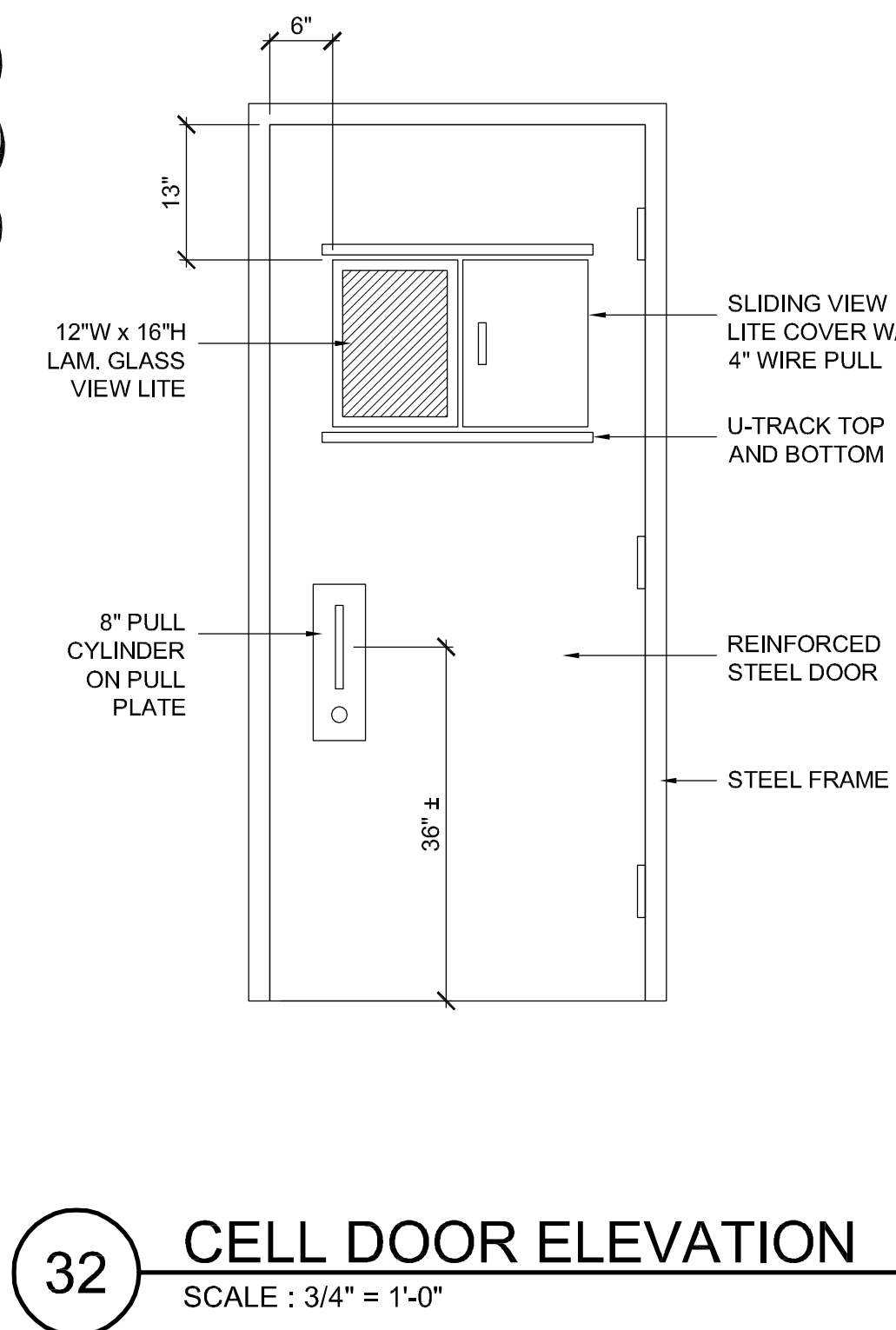
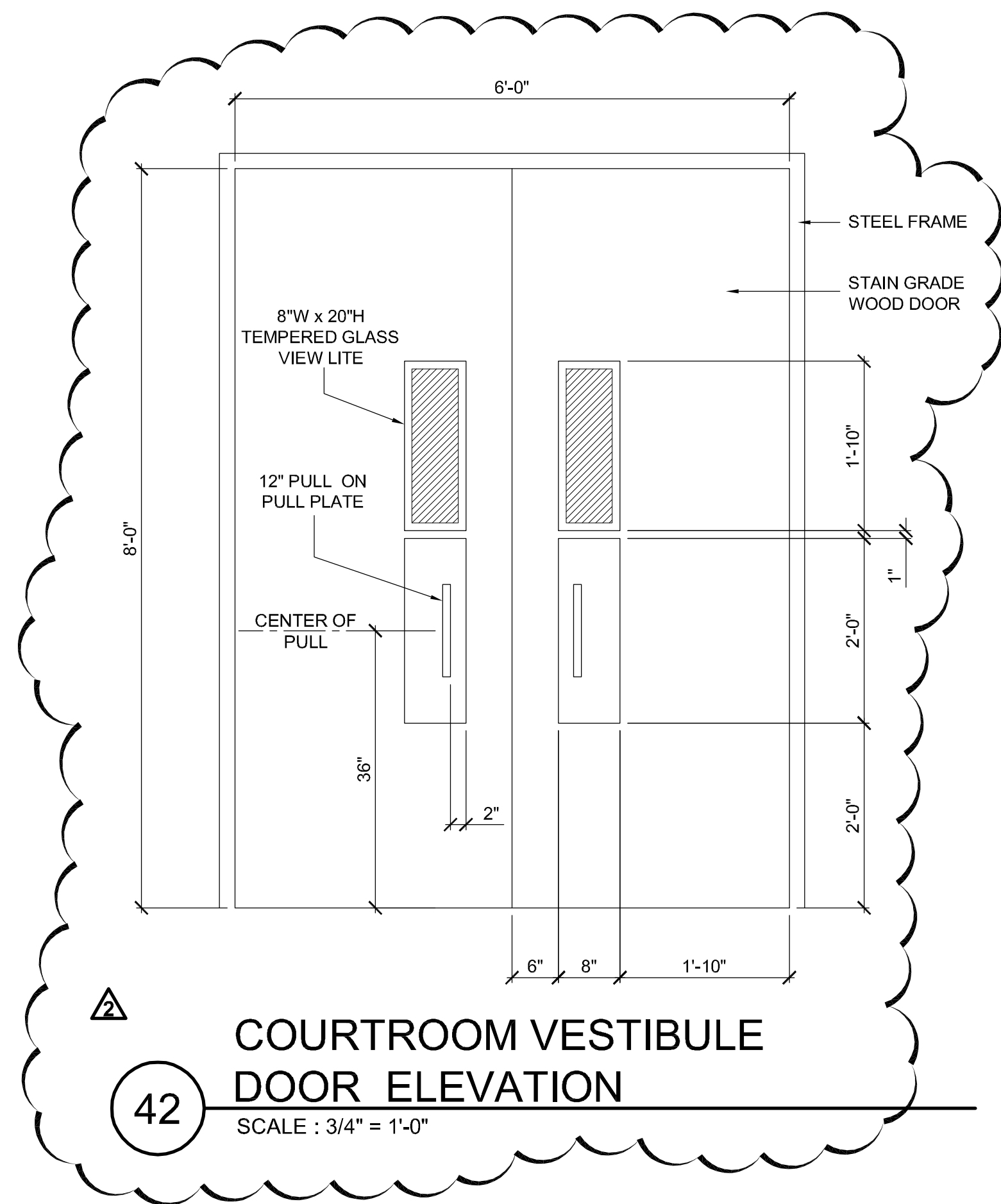
**PHASE I  
SCHEDULES**

SHEET #

**A8.1**



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PROJECT

**SUPERIOR COURT  
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**MANTECA BRANCH  
SITE AND BUILDING  
IMPROVEMENTS**

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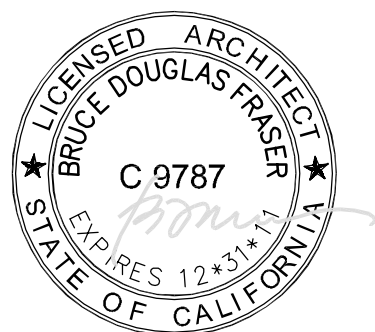
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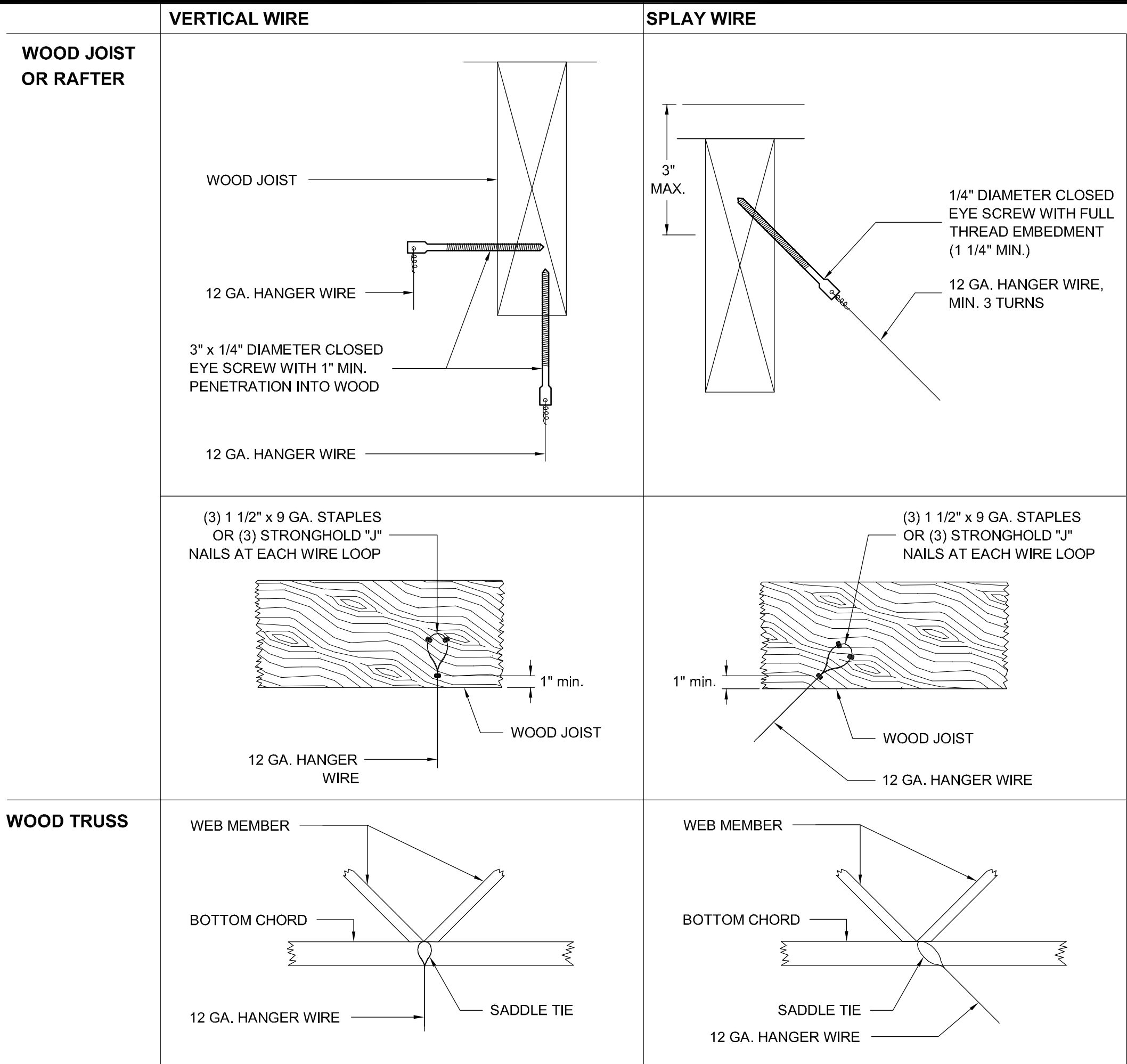
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**PHASE I  
STOREFRONT,  
DOOR & WINDOW  
DETAILS**

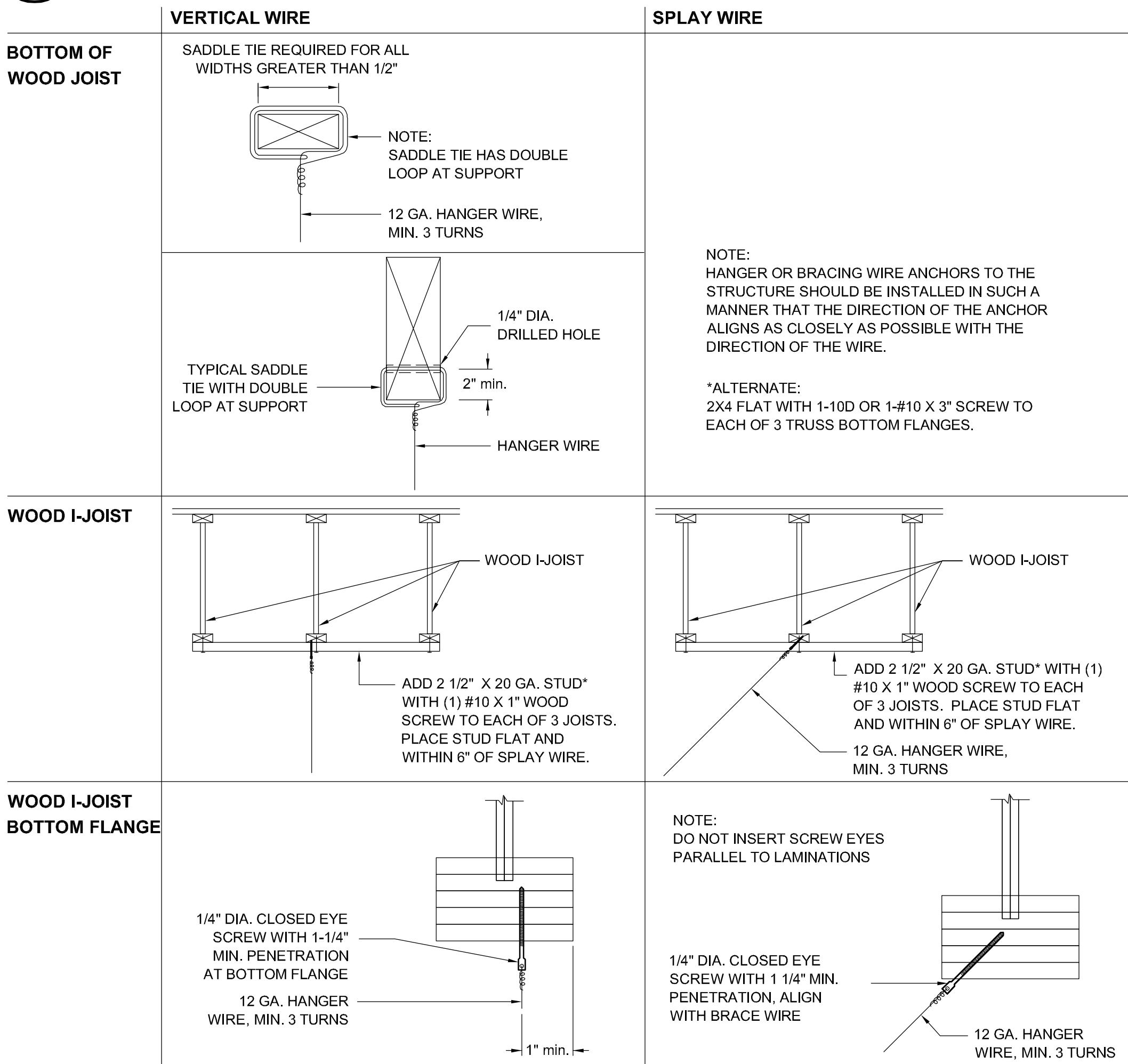
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**A8.2**

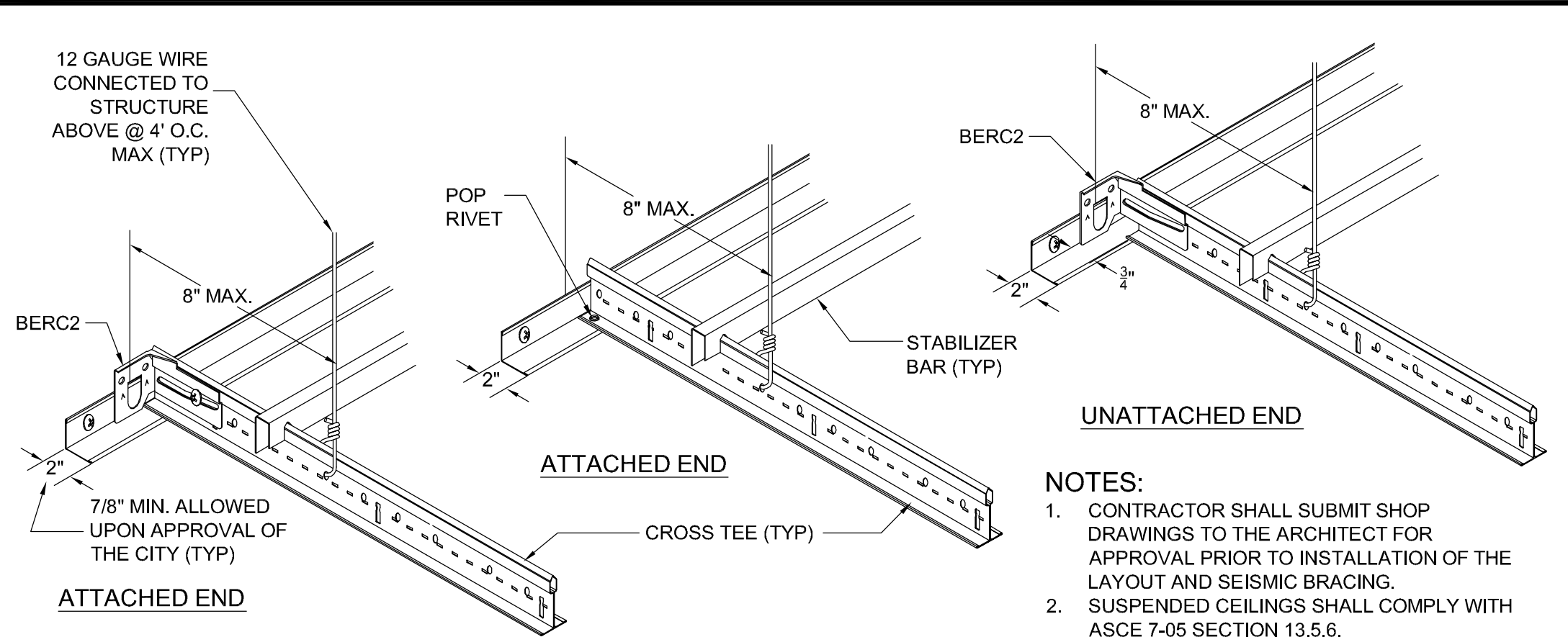
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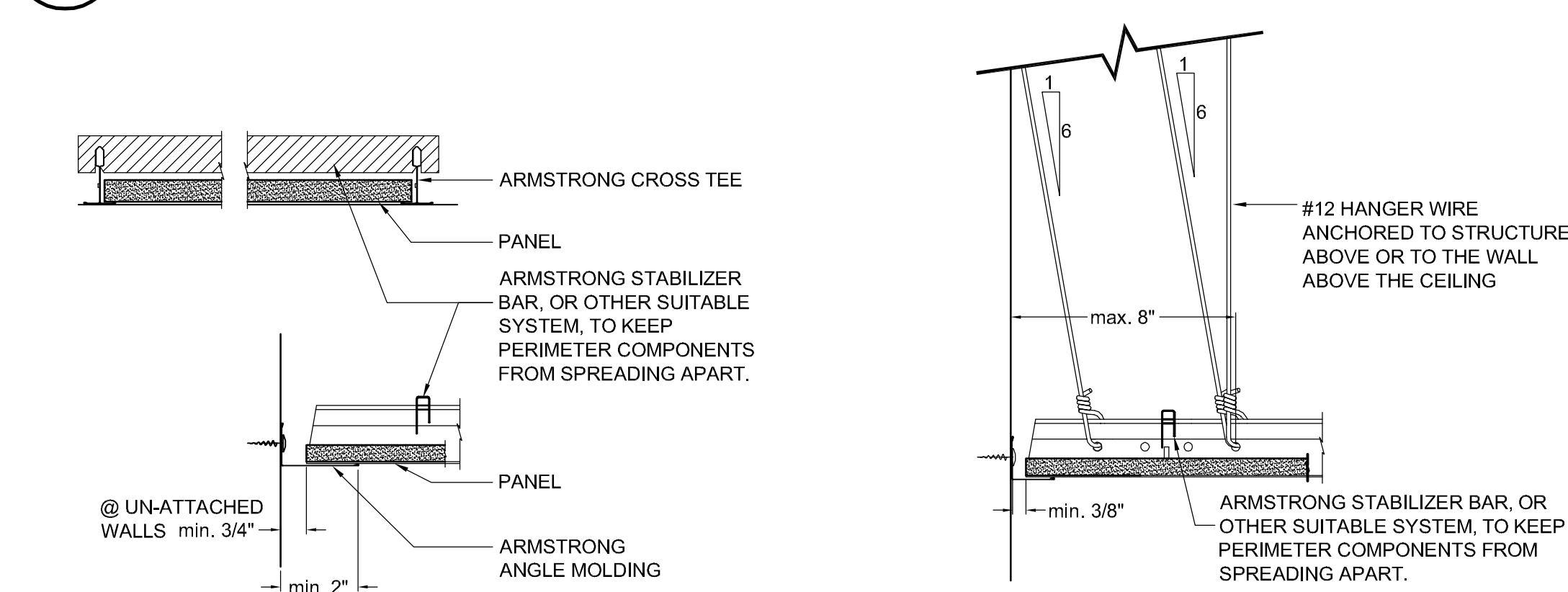
**42 HANGER WIRE TO WOOD TRUSS / RAFTER**  
N.T.S.



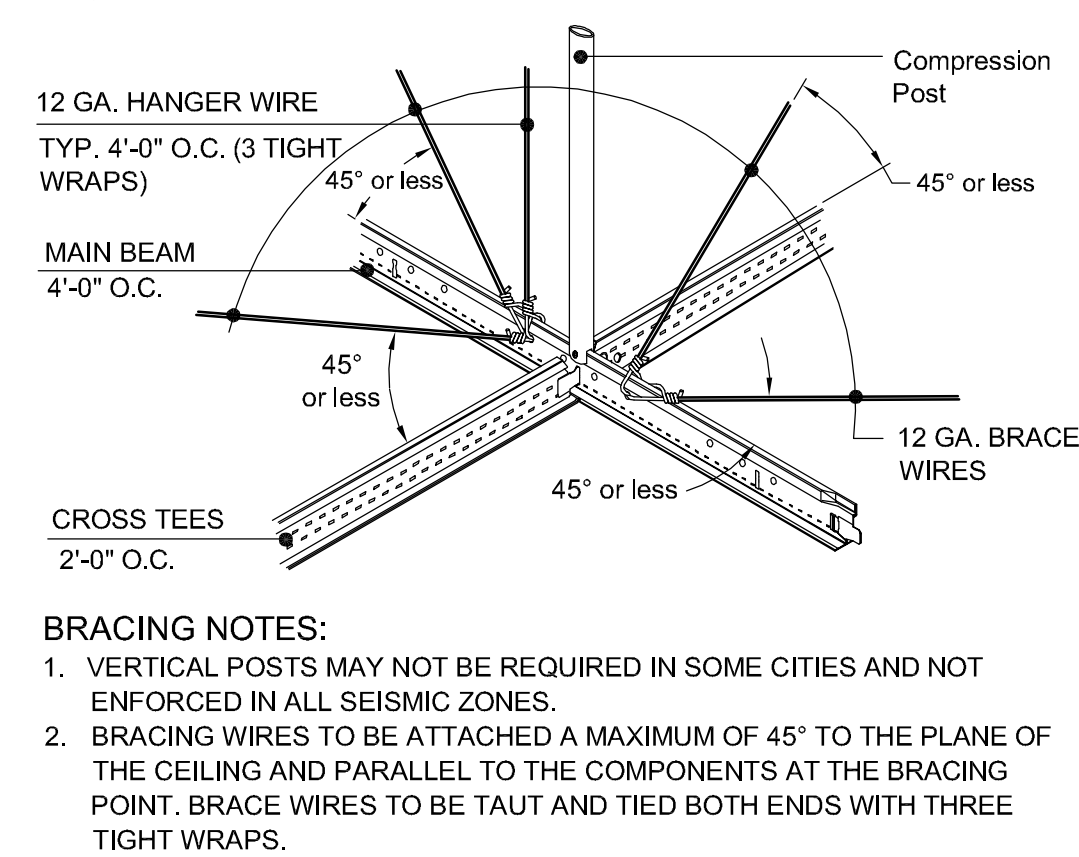
**44 HANGER WIRE TO WOOD I-JOIST**  
N.T.S.



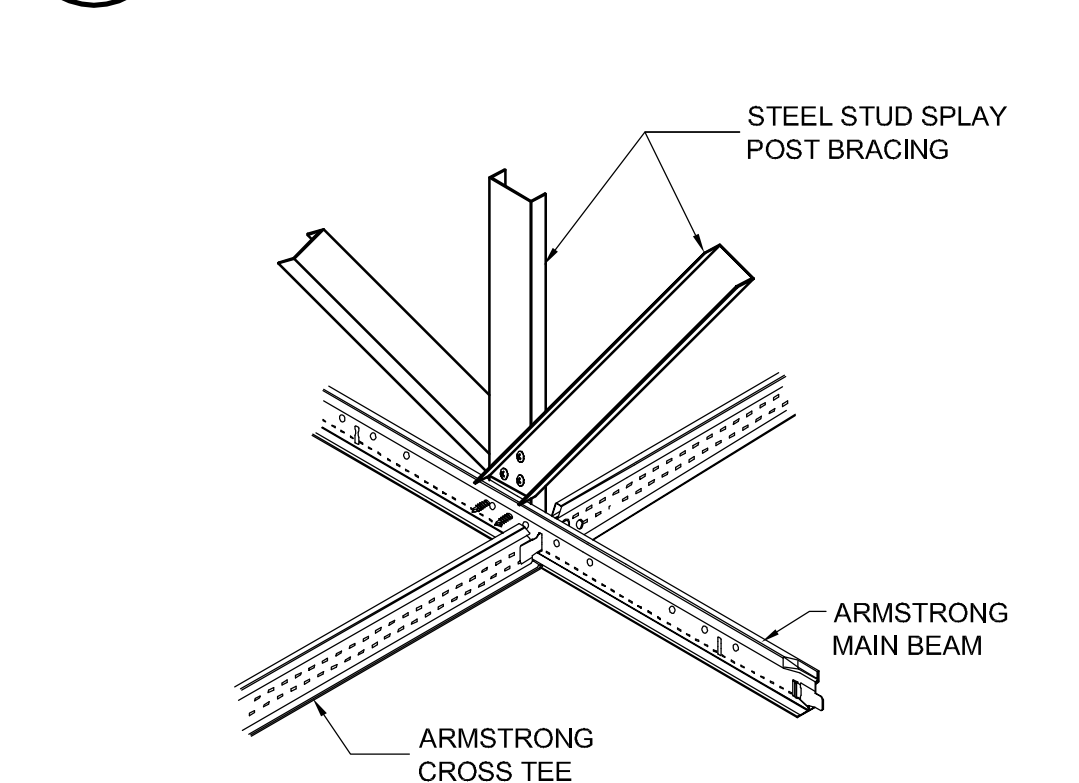
**21 SEISMIC END RESTRAINTS: SEISMIC ZONES D, E & F**  
N.T.S.



**22 STABILIZER BAR: SEISMIC ZONES D, E & F**  
3\"= 1\"-0\"

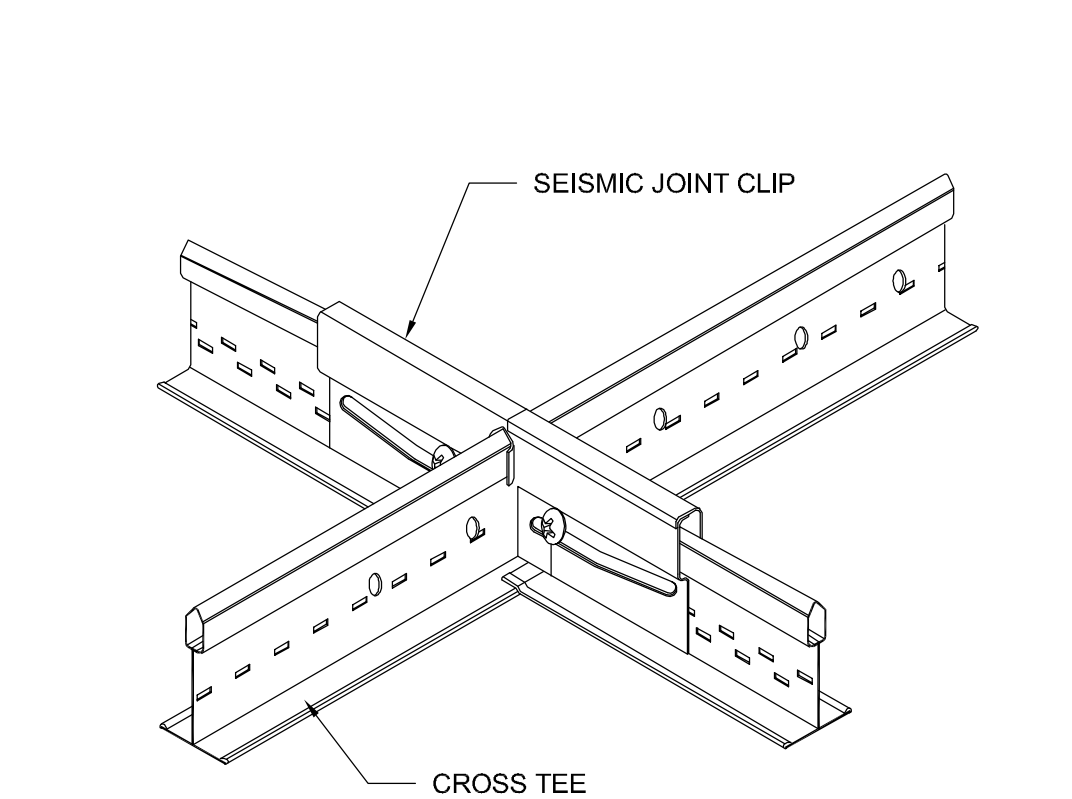


**LATERAL BRACING: WITH COMPRESSION POST**  
N.T.S.

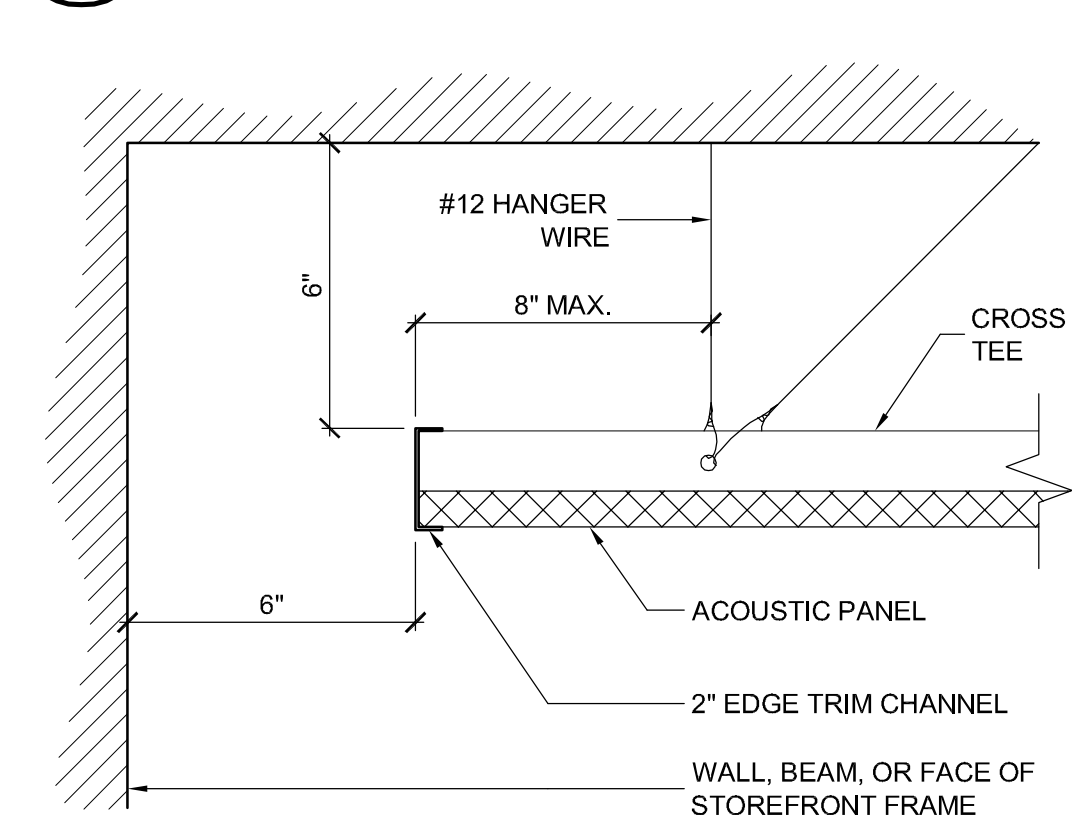


**24 LATERAL BRACING: STEEL STUD SPLAY POST BRACING**  
N.T.S.

**12 SEISMIC END RESTRAINT: FIXED END - SEISMIC ZONE C**  
3\"= 1\"-0\"



**13 SEISMIC JOINT CLIP**  
N.T.S.



**14 LOBBY - ACOUSTIC CLOUD**  
3\"= 1\"-0\"

PROJECT

**SUPERIOR COURT  
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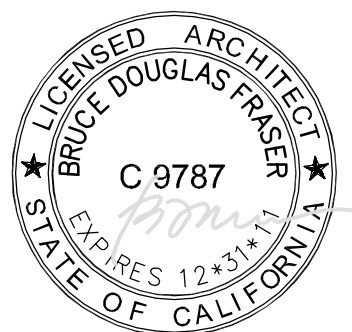
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SHEET TITLE

**PHASE I  
SUSPENDED  
CEILING DETAILS**

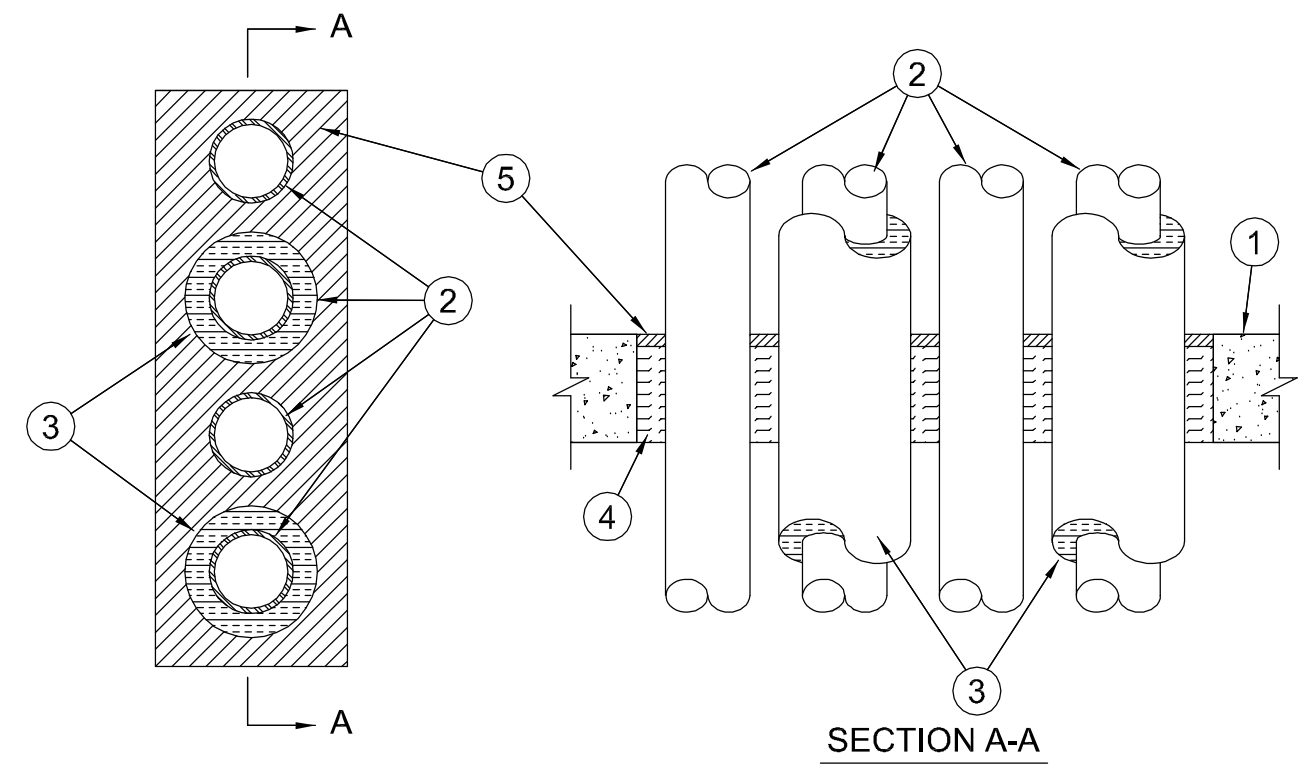
SHEET #

**A8.3**



\\John\Maneca Courthouse 1007\Drawings\Sheets\Phase 1\A8.4 - Phase 1 Wall Types.dwg, 8/26/2011 2:30:43 PM, PDF995

System No. C-AJ-8041  
F RATING = 3-HR, T RATING = 0 and 1 HR. L Rating At Ambient - 10 CFM/sq ft L Rating At 400 F - Less Than 6 CFM/sq ft

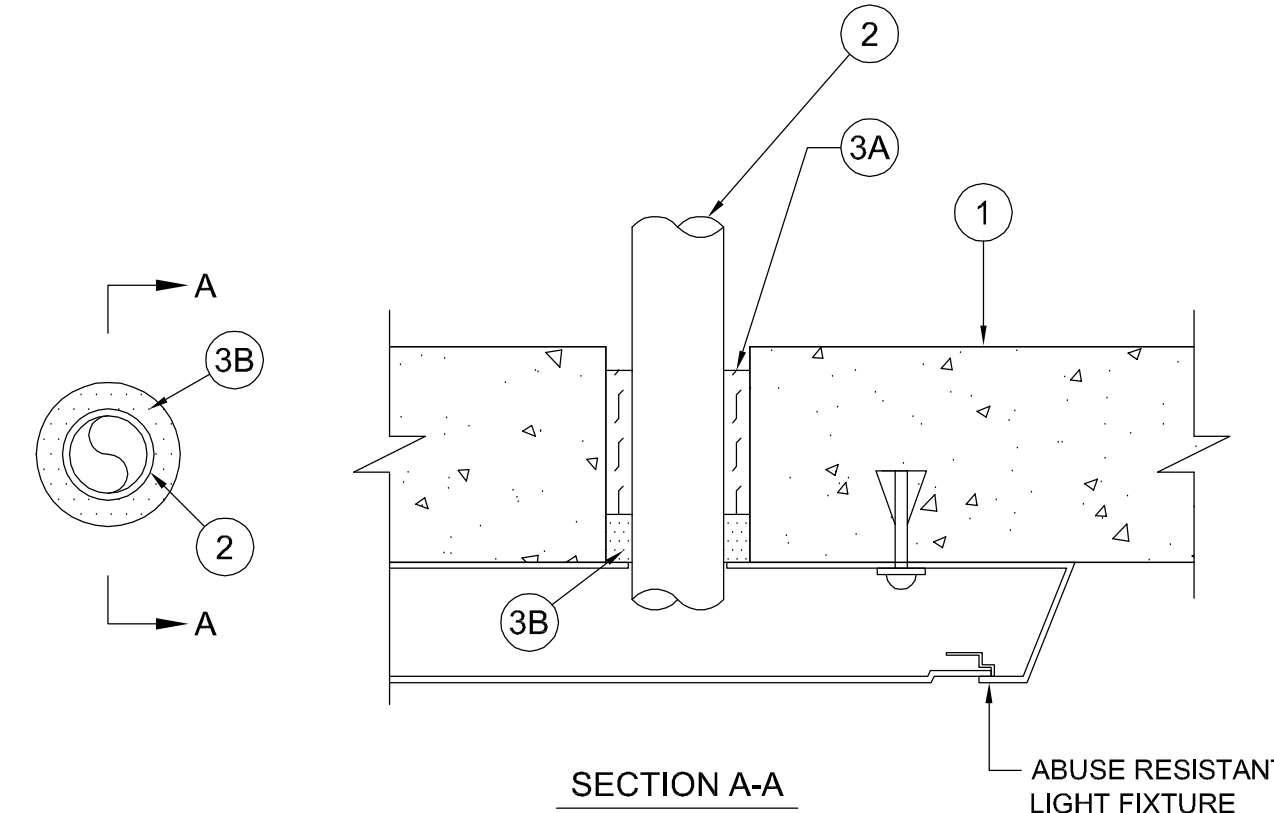


- Floor or Wall Assembly - Min 4-1/2 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete floor or min 5 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete wall. Wall may also be constructed of any UL Classified Concrete Blocks\*. Max area of opening is 192 sq in. with max dimension of 24 in. See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
  - Through Penetrants - A max of 4 pipes, conduits or tubing to be installed within the opening. The space between pipes, conduits or tubing shall be 1-1/2 in. The space between pipes, conduits or tubing and periphery of opening shall be min 1-5/8 in. to max 2-1/2 in. Pipe, conduit or tubing to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:
    - Steel Pipe - Nom 3 in. diam (or smaller) Schedule 10 (or heavier) steel pipe.
    - Copper Tubing - Nom 3 in. diam (or smaller) Type L (or heavier) copper tubing
    - Copper Pipe - Nom 3 in. diam (or smaller) Regular (or heavier) copper pipe.
    - Conduit - Nom 3 in. diam (or smaller) electrical metallic tubing or steel conduit.
  - Pipe Covering\* - (Optional) - Max 1 in. thick hollow cylindrical heavy density (min 3.5 pcf) glass fiber units jacketed on the outside with an all service jacket. Longitudinal joints sealed with metal fasteners or factory-applied self-sealing lap tape. Transverse joints secured with metal fasteners or with butt strip tape supplied with the product. A nom annular space of 1-1/2 in. is required within the firestop system. The T Rating is 1 hr when 1 in. thick pipe covering is used. The T Rating is 0 hr. when pipe covering is less than 1 in. or is omitted. See Pipe and Equipment Covering - Materials (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.
  - Packing Material - Min 4 in. thickness of min 4.0 pcf mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of fill material.
  - Fill, Void or Cavity Material\* - Sealant - Min 1/2 in. thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall.
- \*Bearing the UL Classification Marking

## 32 THROUGH-PENETRATION FIRESTOP

NTS

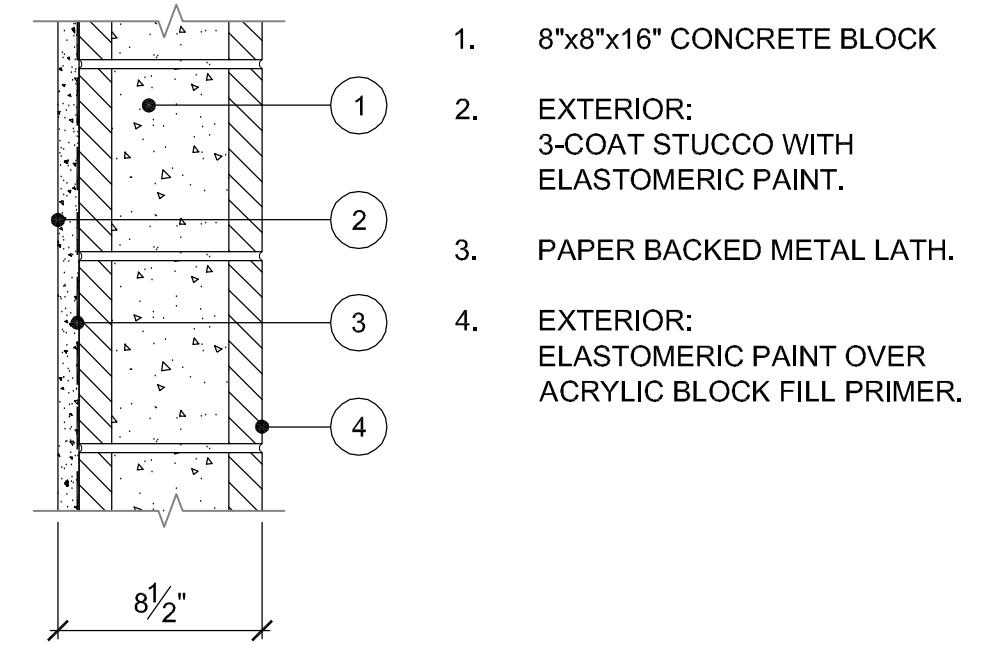
System No. C-AJ-2164  
F Rating - 2 HR  
T Rating - 0 hr



- Floor or Wall Assembly - Min 4-1/2 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete. Wall may also be constructed of any UL Classified Concrete Blocks\*. Max diam of opening is 3 in.
  - Through Penetrants - One nonmetallic pipe to be centered within the firestop system. Annular space between pipe and edge of opening to be nom 9/16 in. Pipe to be rigidly supported on both sides of floor-ceiling assembly. The following types and sizes of nonmetallic pipes may be used:
    - Polyvinyl Chloride (PVC) Pipe - Nom 1-1/2 in. diam (or smaller) Schedule 40 solid or cellular core PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
    - Chlorinated Polyvinyl Chloride (CPVC) Pipe - Nom 1-1/2 in. diam (or smaller) SDR13.5 CPVC pipe for use in closed (process or supply) piping systems.
  - Firestop System - The firestop system shall consist of the following:
    - Forming Materials\* - Min 3 in. thickness foamed into opening as a permanent form. Forming material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of fill material. HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC - CF810, CF812 or CF511 Foam Sealant
    - Fill, Void or Cavity Material\* - Sealant - Min 1 in. thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall. HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC - FS-ONE Sealant
- \*Bearing the UL Classification Mark

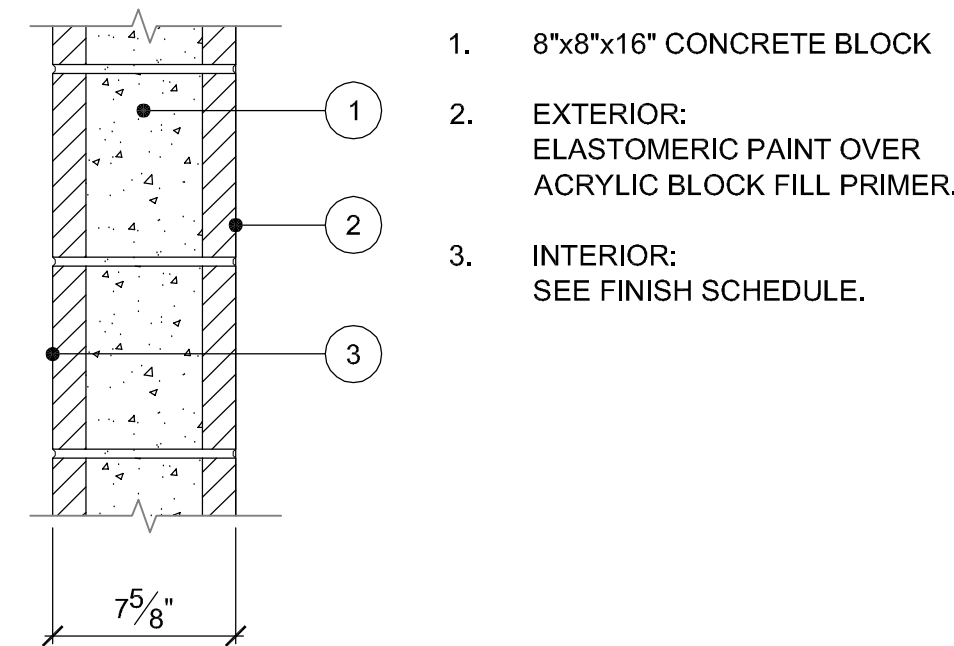
## 34 THROUGH-PENETRATION FIRESTOP

NTS



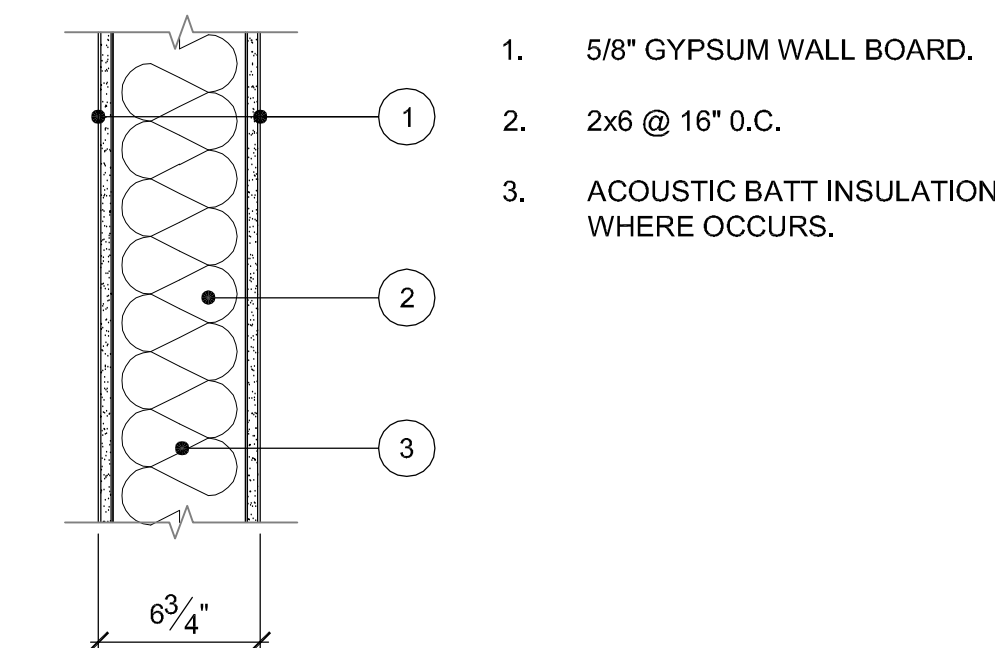
## 21 WALL TYPE E - EXTERIOR (2 HOUR) UL NO. U905

1 1/2" = 1'-0"



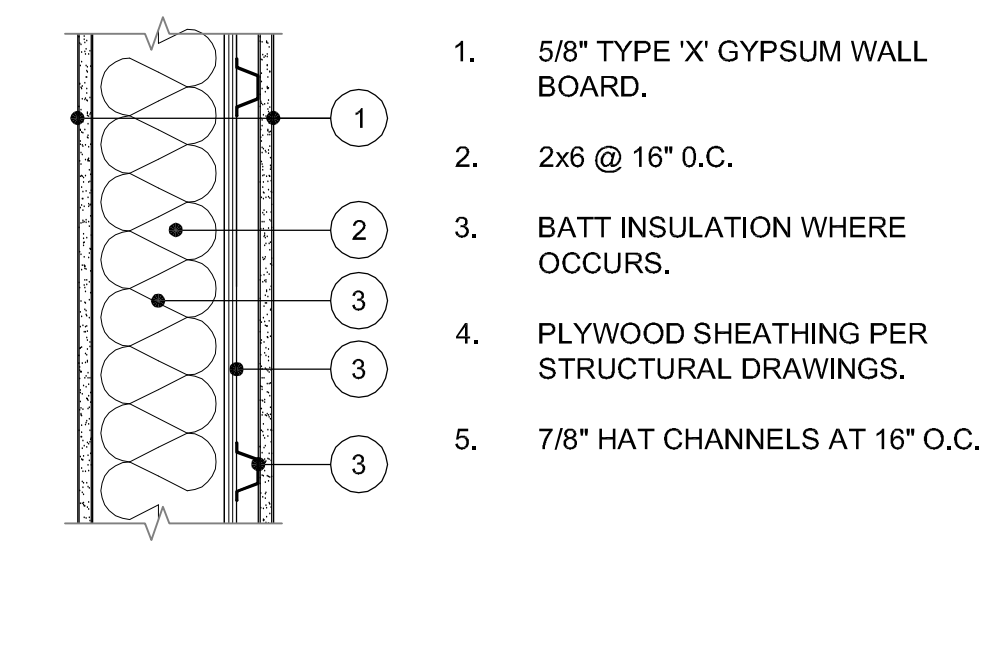
## 22 WALL TYPE F - EXTERIOR (2 HOUR) UL NO. U905

1 1/2" = 1'-0"



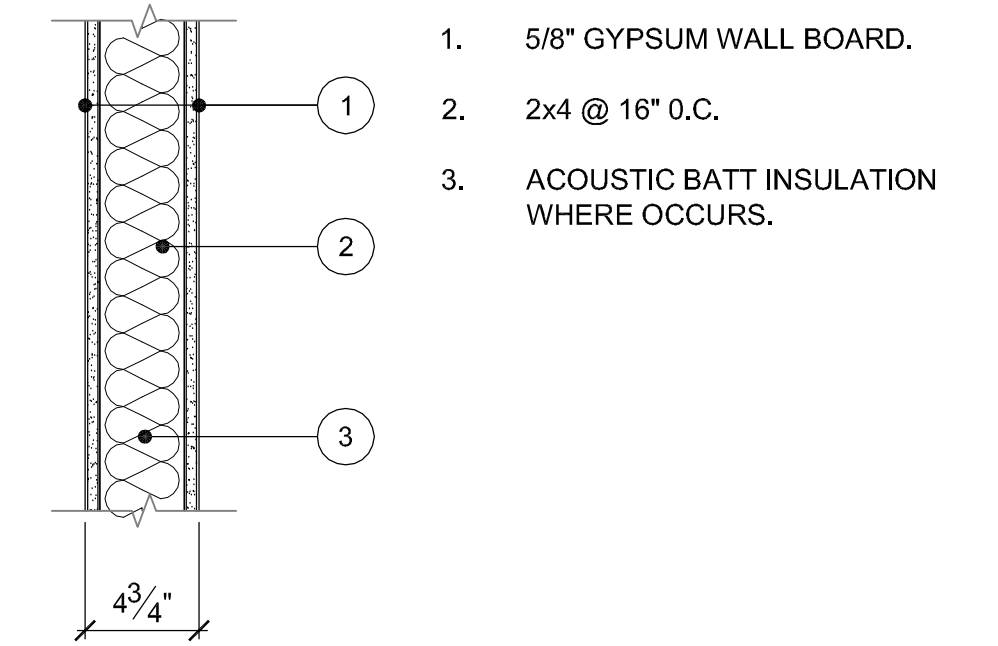
## 23 WALL TYPE G - INTERIOR (NON-RATED)

1 1/2" = 1'-0"



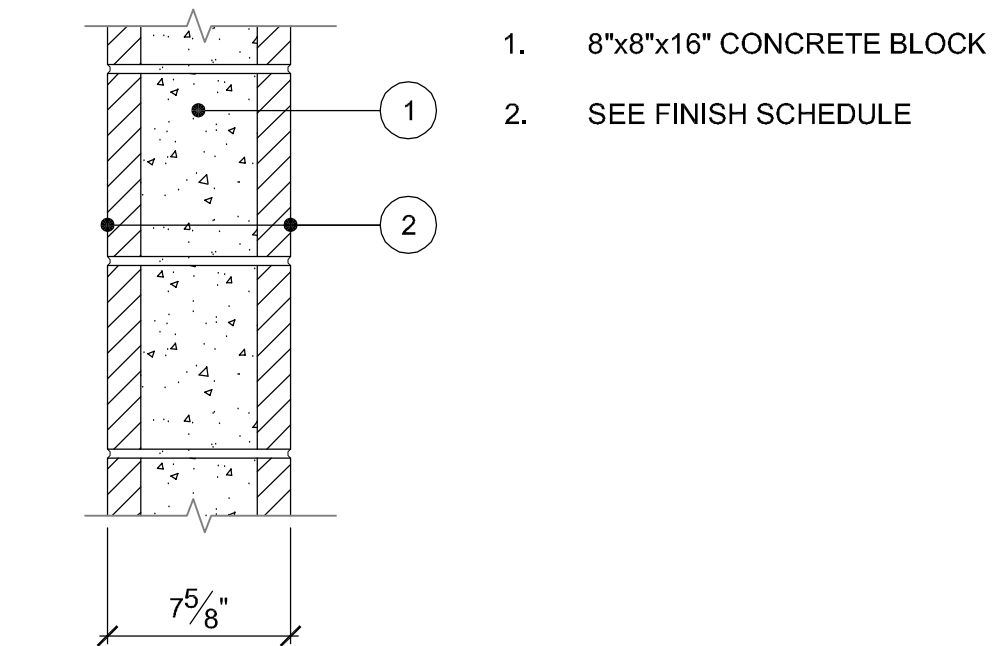
## 24 WALL TYPE H - PHASE 1 AND PHASE 2 PARTY WALL (1 HOUR) UL NO. U309

1 1/2" = 1'-0"



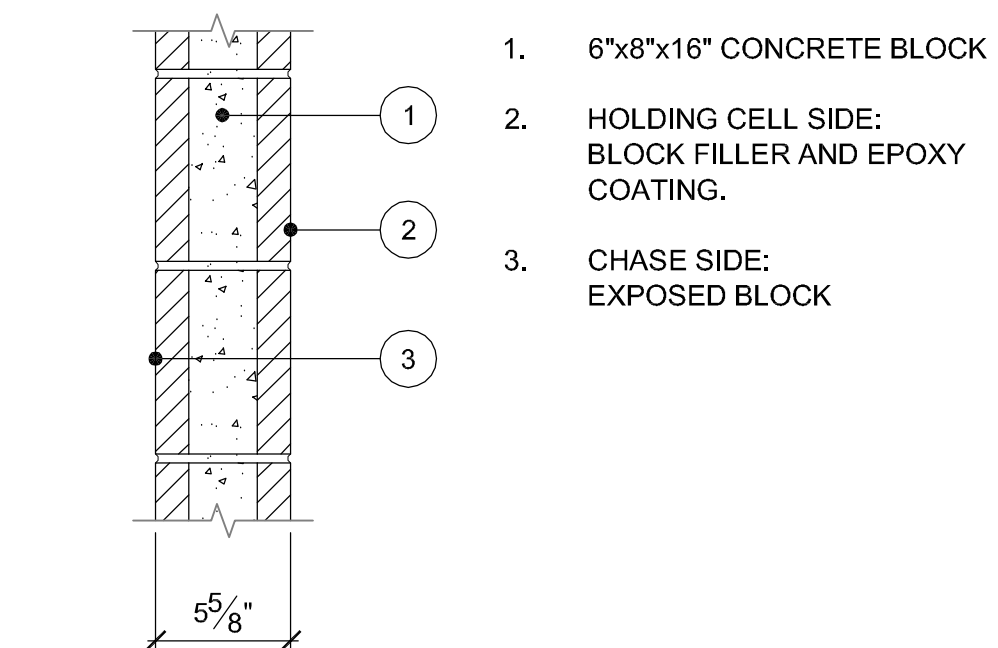
## 11 WALL TYPE A - INTERIOR (NON-RATED)

1 1/2" = 1'-0"



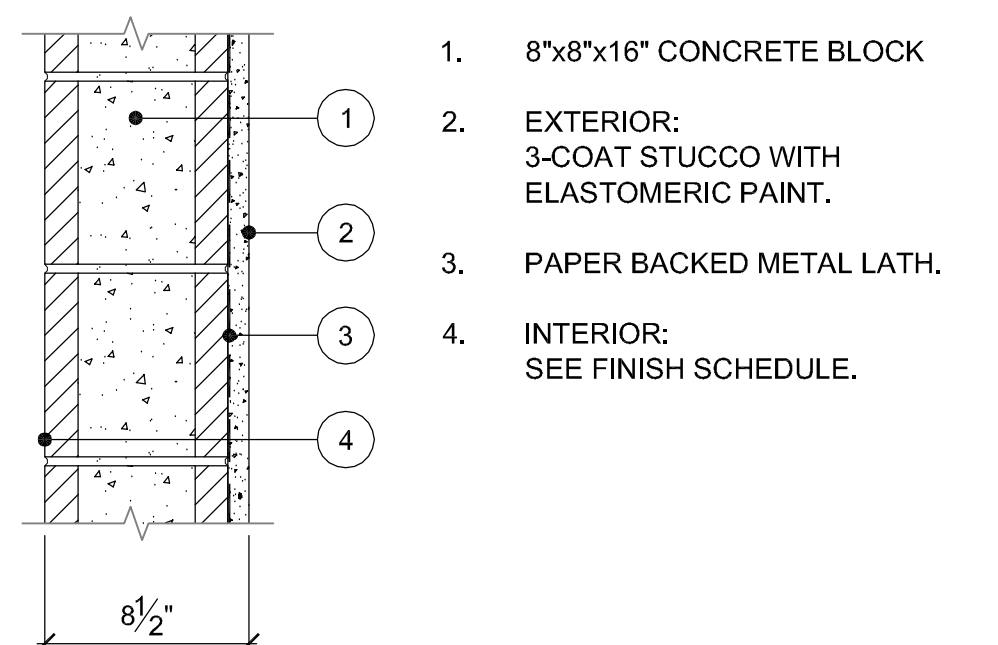
## 12 WALL TYPE B - INTERIOR (2 HOUR) UL NO. U905

1 1/2" = 1'-0"



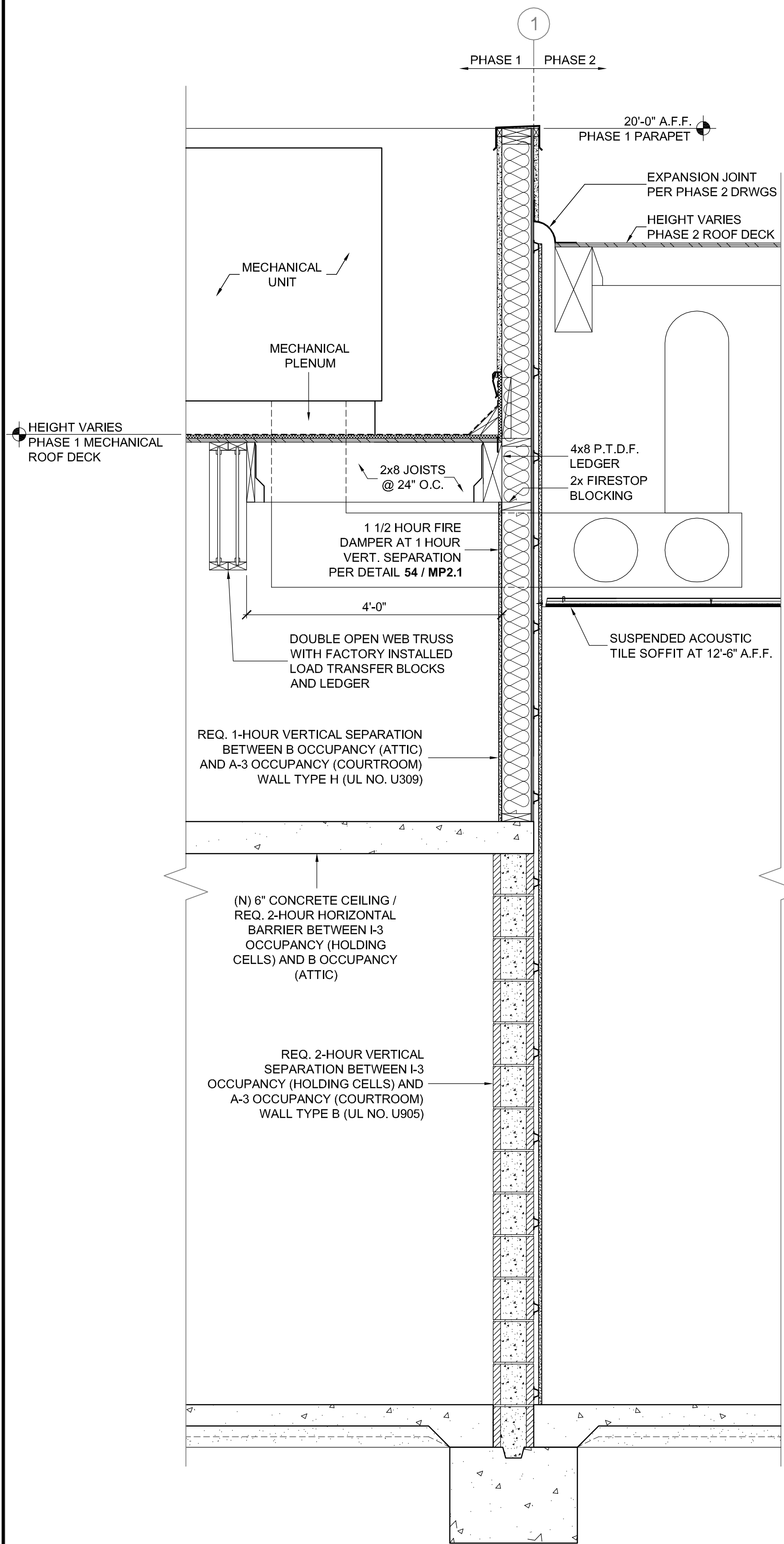
## 13 WALL TYPE C - INTERIOR (2 HOUR) UL NO. U906

1 1/2" = 1'-0"



## 14 WALL TYPE D - EXTERIOR (2 HOUR) UL NO. U905

1 1/2" = 1'-0"



## 54 PHASE 1 & 2 (1-HOUR) PARTY WALL

3/4" = 1'-0"

PROJECT

**SUPERIOR COURT  
OF CALIFORNIA  
COUNTY OF SAN JOAQUIN**

**MANTECA BRANCH  
SITE AND BUILDING  
IMPROVEMENTS**

**PHASE 1**

CLIENT JOB # ARCHITECT JOB #  
**1007**

**FRASER  
SEIPLE  
ARCHITECTS**

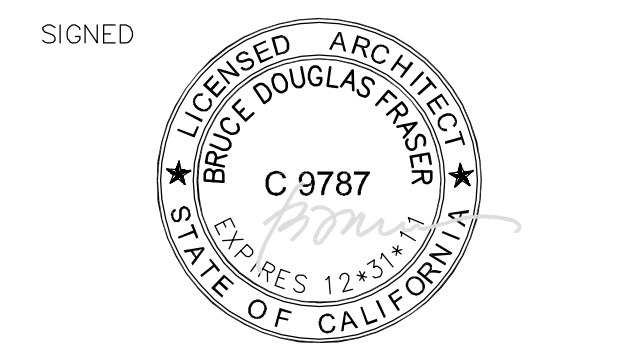
971 OSOS STREET  
SAN LUIS OBISPO  
CALIFORNIA 93401

805-544-6161

www.fraserseiplearchitects.com

PROJECT MANAGER BDF

DRAWN BY DL  
DATES 05/05/11  
06/20/11  
09/01/11  
SIGNED



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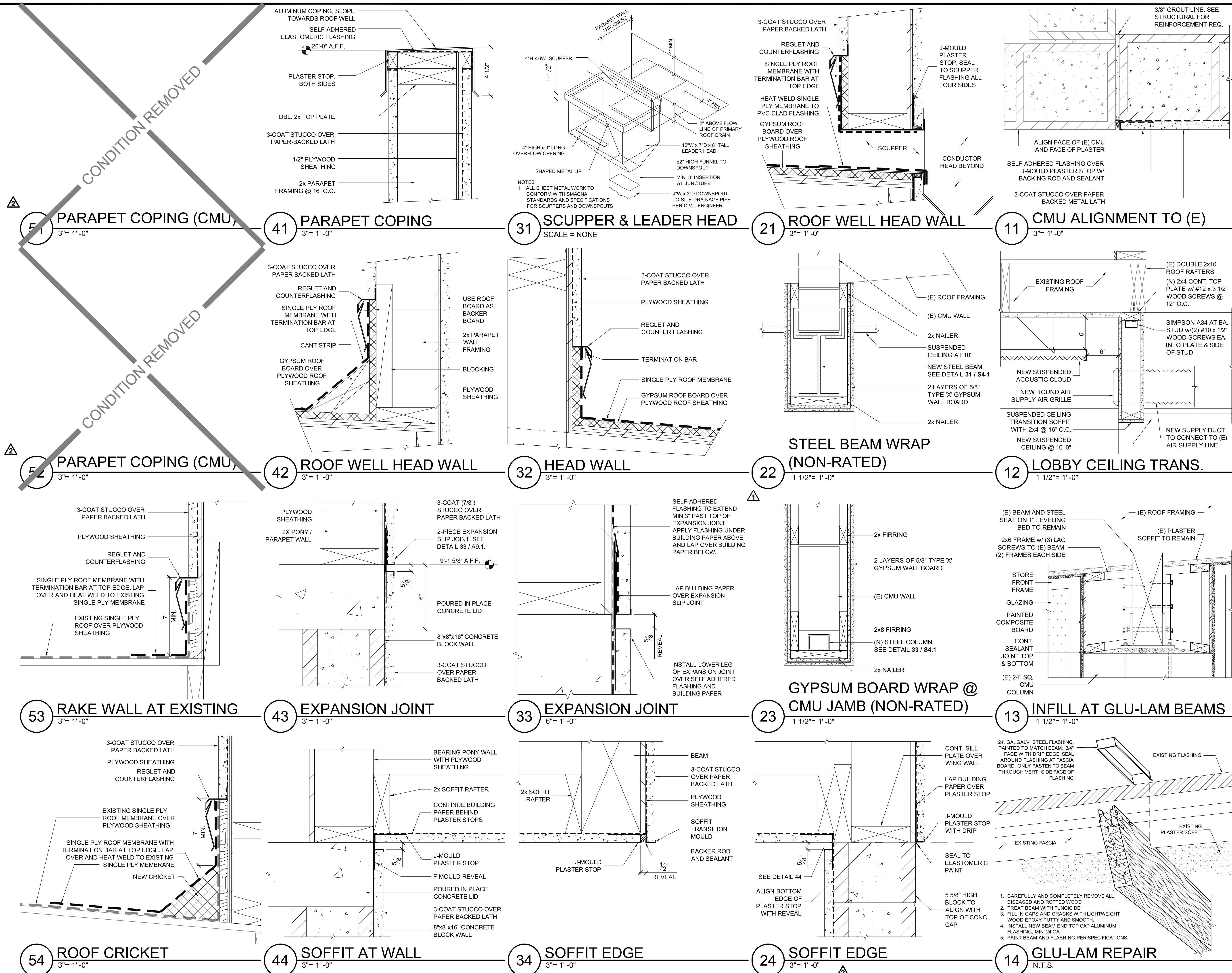
Written dimensions on these drawings shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and existing conditions on the job and shall report any discrepancies to the architect for resolution prior to commencing work.

SHEET TITLE

**PHASE I  
WALL TYPES, FIRE  
PROTECTION**

SHEET #  
**A8.4**

\\John\Maneca Courthouse 1007\Drawings\Sheets\Phase 1\A9.1 - Phase 1 Architectural Details.dwg, 8/26/2011 2:32:38 PM, PDF995



PROJECT

**SUPERIOR COURT  
OF CALIFORNIA  
COUNTY OF SAN JOAQUIN**

**MANTECA BRANCH  
SITE AND BUILDING  
IMPROVEMENTS**

**PHASE 1**

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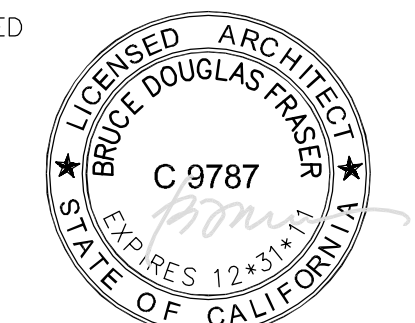
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PROJECT MANAGER BDF

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SHEET TITLE

**ARCHITECTURAL  
DETAILS**

SHEET #

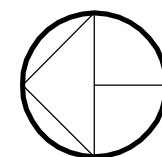
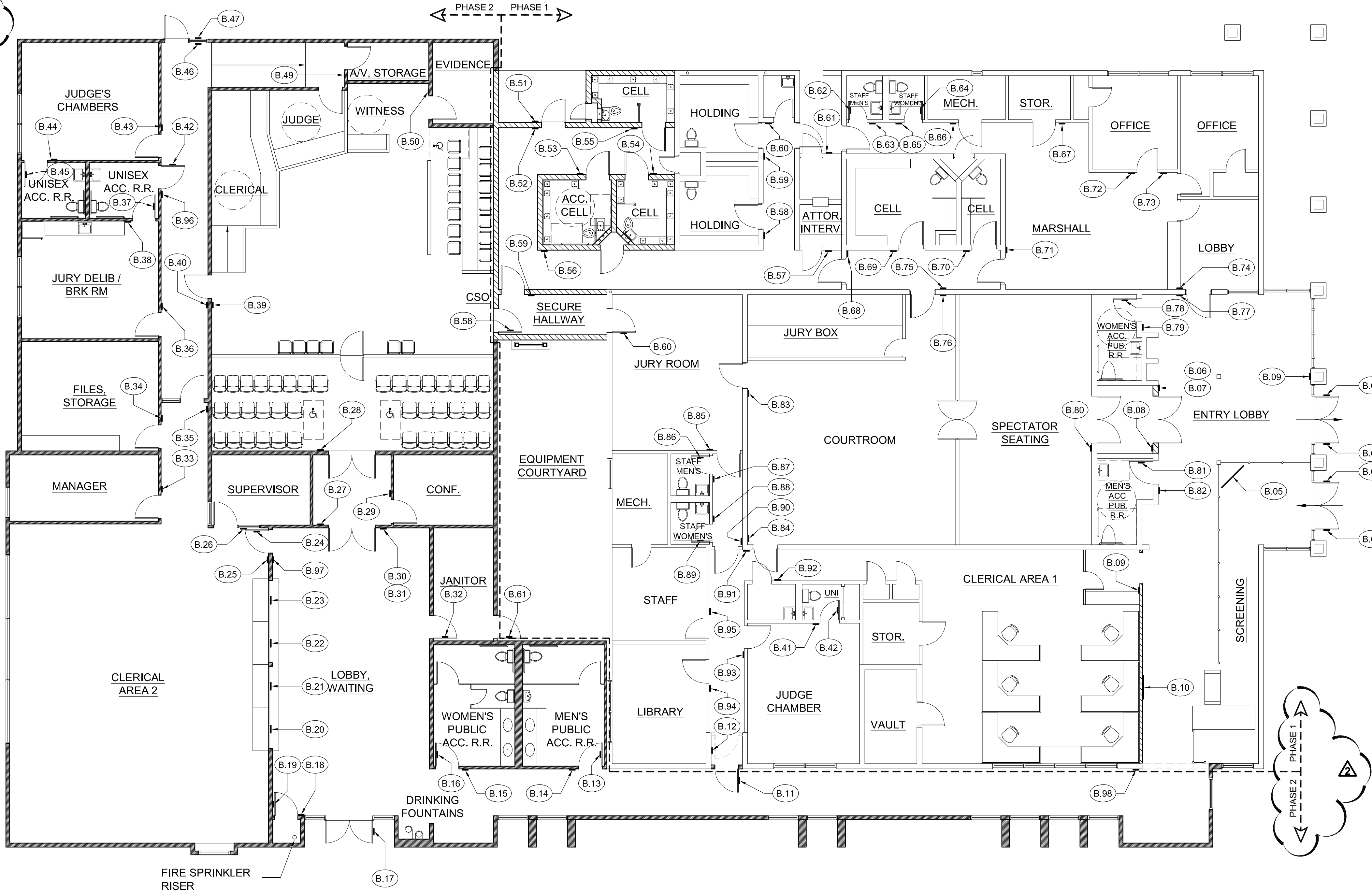
**A9.1**





\\john\manteca Courthouse 1007\Drawings\Sheets\Phase I\SS.1 - Phase I and Phase II Composite Reference Signage Floor Plan.dwg, 8/26/2011 2:38:27 PM, PDF995

SIGN	LOCATION	COPY	NOTES (SIGN SIZE W x H)	DETAILS (SHEET SS.2)
A.01	ENTRY LANDING WALL	SUPERIOR COURT OF CALIFORNIA + SAN JOAQUIN COUNTY + MANTECA BRANCH	32" H X 240" L SIGN BOARD	A0.1
A.02	ENTRY LANDING WALL	315	12" DIMENSIONAL NUMBERS	N/A
A.03	ENTRY RAMP AT SIDEWALK	(international symbol of accessibility)	9' x 9' WHITE ON BLUE, POST MOUNT	B.51 SIMILAR
B.01	LEFT LEAF OF DOOR 1.1	ENTRANCE ONLY + (international accessibility symbol)	2" LETTERING AT BACK OF GLASS	B.01
B.02	RIGHT LEAF OF DOOR 1.1	(state seal) + SUPERIOR COURT OF CALIFORNIA + SAN JOAQUIN COUNTY + MANTECA BRANCH	1" AND 2" LETTERING AT BACK OF GLASS, 6" X 6" SYMBOL	B.02
B.03	LEFT LEAF OF DOOR 1.2	(red "no passage" symbol) + EXIT ONLY + NOT AN ENTRANCE	2" LETTERING AT BACK OF GLASS	B.03
B.04	RIGHT LEAF OF DOOR 1.2	(red "no passage" symbol) + EXIT ONLY + NOT AN ENTRANCE	2" LETTERING AT BACK OF GLASS	B.04
B.05	FREESTANDING SIGN FRAME	(state seal) + (right to search notification) + (prohibited items notification) + (medical advisement)	36" W 48" H LAMINATED PAPER SIGN WITH CLEAR COVER	N/A
B.06	WALL RIGHT OF DOOR 1.3	COURTROOM 1 + (two interchangeable message strips, for "in session" and for bench officer's name)	12" W X 9" H, BRAILLE	B.06
B.07	WALL RIGHT OF DOOR 1.3	(proper attire notification) + (no food or drink notification) + (assistive listening symbol) + ASSISTIVE LISTENING AVAILABLE, INQUIRE AT CLERK'S COUNTER	12" x 9", ALIGN WITH SIGN ABOVE	B.07
B.08	WALL RIGHT OF DOOR 1.3	EXIT ROUTE	6" X 6", BRAILLE	B.08
B.09	WALL RIGHT OF OPENING TO LOBBY	EXIT ROUTE	6" X 6", BRAILLE	B.08 SIMILAR
B.10	WALL OPPOSITE SCREENING	LINE	36" W x 48" H with tag strip for printouts	N/A
B.11	SURFACE OF DOOR 2.1	AUTHORIZED ENTRY ONLY	6" x 6"	B.11
B.12	WALL RIGHT OF DOOR 2.1	TO EXIT	6" x 6", BRAILLE	B.12
B.13	SURFACE OF DOOR 2.2	(male symbol)	12" TRIANGLE	B.13
B.14	WALL LEFT OF DOOR 2.2	MEN + (male, accessibility symbols)	6" x 9", BRAILLE	B.14
B.15	WALL RIGHT OF DOOR 2.3	WOMEN + (female, accessibility symbols)	6" x 9", BRAILLE	B.15
B.16	SURFACE OF DOOR 2.3	(female symbol)	12" CIRCLE	B.16
B.17	RIGHT LEAF OF DOOR 2.4	(red "no passage" symbol) + EXIT ONLY + ENTER FROM CENTER STREET	2" LETTERING AT BACK OF GLASS	B.04 SIMILAR
B.18	WALL RIGHT OF DOOR 2.4	EXIT + EMERGENCY ONLY + ALARM WILL SOUND	6" x 9", BRAILLE	B.18
B.19	SURFACE OF DOOR 2.5	FIRE SPRINKLER RISER	6" x 6"	B.11 SIMILAR
B.20	WALL ABOVE SERVICE WINDOW	(interchangeable message strip)	18" x 6"	B.20 SIMILAR
B.21	WALL ABOVE SERVICE WINDOW	(interchangeable message strip)	18" x 6"	B.20 SIMILAR
B.22	WALL ABOVE SERVICE WINDOW	(interchangeable message strip)	18" x 6"	B.20 SIMILAR
B.23	WALL ABOVE SERVICE WINDOW	(interchangeable message strip)	18" x 6"	B.20 SIMILAR
B.24	SURFACE OF DOOR 2.8	AUTHORIZED ENTRY ONLY	6" x 6"	B.11 SIMILAR
B.25	WALL RIGHT OF DOOR 2.8	TO EXIT	6" x 6", BRAILLE	B.12 SIMILAR
B.26	SIDE LITE RIGHT OF DOOR 2.12	SUPERVISOR + (interchangeable message strip)	9" x 6", BRAILLE	B.26
B.27	WALL RIGHT OF DOOR 2.9	TO EXIT	6" x 6", BRAILLE	B.12 SIMILAR
B.28	WALL RIGHT OF DOOR 2.11	TO EXIT	6" x 6", BRAILLE	B.12 SIMILAR
B.29	WALL LEFT OF DOOR 2.10	CONFERENCE + (interchangeable message strip)	9" x 6", BRAILLE	B.26 SIMILAR
B.30	WALL RIGHT OF DOOR 2.9	COURTROOM 2 + (two interchangeable message strips, for "in session" and for bench officer's name)	12" W x 9" H, BRAILLE	B.06 SIMILAR
B.31	WALL RIGHT OF DOOR 2.9	(proper attire notification) + (no food or drink notification) + (assistive listening symbol) + ASSISTIVE LISTENING AVAILABLE, INQUIRE AT CLERK'S COUNTER	12" x 9", ALIGN WITH SIGN ABOVE	B.07 SIMILAR
B.32	SURFACE OF DOOR 2.6	JANITOR + ELECTRICAL SWITCHGEAR	6" x 6", BRAILLE	B.11 SIMILAR
B.33	WALL RIGHT OF DOOR 2.13	MANAGER + (interchangeable message strip)	6" x 6", BRAILLE	B.26 SIMILAR
B.34	WALL RIGHT OF DOOR 2.14	STORAGE	6" x 6", BRAILLE	B.34
B.35	WALL RIGHT OF DOOR 2.15	EXIT ROUTE	6" x 6", BRAILLE	B.08 SIMILAR
B.36	WALL RIGHT OF DOOR 2.16	JURY + (interchangeable messenger slot, for "in use")	9" x 6", BRAILLE	B.26 SIMILAR
B.37	SURFACE OF DOOR 2.17	(unisex symbols)	12" TRIANGLE IN CIRCLE	B.37
B.38	WALL LEFT OF DOOR 2.17	RESTROOM + (unisex accessibility symbol)	6" x 9", BRAILLE	B.38
B.39	WALL OF DOOR 2.26	TO EXIT	6" x 6", BRAILLE	B.12
B.40	WALL RIGHT OF DOOR 2.26	COURTROOM 2	6" x 6", BRAILLE	B.34 SIMILAR
B.41	WALL LEFT OF DOOR	RESTROOM + (unisex accessibility symbol)	6" x 9", BRAILLE	B.41
B.42	SURFACE OF DOOR	(unisex symbols)	12" TRIANGLE IN CIRCLE	B.37 SIMILAR
B.43	WALL RIGHT OF DOOR 2.20	CHAMBERS + (interchangeable message strip, for bench officer's name)	9" x 6", BRAILLE	B.26 SIMILAR
B.44	WALL LEFT OF DOOR 2.19	RESTROOM + (unisex accessibility symbol)	6" x 9", BRAILLE	B.38 SIMILAR
B.45	SURFACE OF DOOR 2.19	(unisex symbols)	12" TRIANGLE IN CIRCLE	B.37 SIMILAR
B.46	SIDE LITE RIGHT OF DOOR 2.21	EXIT	6" x 6", BRAILLE	B.12 SIMILAR
B.47	SIDE LITE LEFT OF DOOR 2.21	AUTHORIZED ENTRY ONLY	2 INCH LETTERING	B.47
B.48	NOT USED			
B.49	WALL RIGHT OF DOOR 2.24	AUDIOVISUAL EQUIPMENT	6" x 6", BRAILLE	B.34 SIMILAR
B.50	WALL RIGHT OF DOOR 2.25	EVIDENCE	6" x 6", BRAILLE	B.34 SIMILAR
B.51	WALL RIGHT OF DOOR 1.14	(international symbol of accessibility)	9' x 9' WHITE ON BLUE	B.51
B.52	WALL LEFT OF DOOR 1.14	EXIT + ALARM WILL SOUND (accessibility symbol)	6" x 9", BRAILLE	B.18 SIMILAR
B.53	WALL RIGHT OF DOOR 1.9	HOLDING 7	6" x 6", BRAILLE	B.34 SIMILAR
B.54	WALL LEFT OF DOOR 1.8	HOLDING 6	6" x 6", BRAILLE	B.34 SIMILAR
B.55	WALL LEFT OF DOOR 1.7	HOLDING 5	6" x 6", BRAILLE	B.34 SIMILAR
B.56	WALL SURFACE	EXIT ROUTE	6" x 6", BRAILLE	B.08 SIMILAR
B.57	WALL RIGHT OF DOOR	INTERVIEW	6" x 6", BRAILLE	B.34 SIMILAR
B.58	SURFACE OF DOOR 1.5	AUTHORIZED ENTRY ONLY	6" x 6"	B.11 SIMILAR
B.59	WALL RIGHT OF DOOR 1.4	HOLDING	6" x 6", BRAILLE	B.34 SIMILAR
B.60	SURFACE OF DOOR 1.6	AUTHORIZED ENTRY ONLY	6" x 6"	B.11 SIMILAR
B.61	SURFACE OF DOOR 2.7	ELECTRICAL SWITCHGEAR + EQUIPMENT YARD	6" X 6"	B.11 SIMILAR
B.62	DOOR SURFACE	(male symbol)	12" TRIANGLE	B.13 SIMILAR
B.63	WALL RIGHT OF DOOR	MEN + (male, accessibility symbols)	6" X 6", BRAILLE	B.14 SIMILAR
B.64	WALL LEFT OF DOOR	JURY ROOM	6" X 6", BRAILLE	B.34 SIMILAR
B.65	WALL RIGHT OF DOOR	TO EXIT	6" X 6", BRAILLE	B.12 SIMILAR



## PHASE I & PHASE II SIGNAGE FLOOR PLAN

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

SIGN	LOCATION	COPY	NOTES (SIGN SIZE W x H)	DETAILS (SHEET SS.2)
B.64	DOOR SURFACE	(female symbol)	12" CIRCLE	B.16 SIMILAR
B.65	WALL LEFT OF DOOR	WOMEN + (female symbol)	6" X 6", BRAILLE	B.15 SIMILAR
B.66	WALL LEFT OF DOOR	MECHANICAL EQUIPMENT	6" X 6", BRAILLE	B.34 SIMILAR
B.67	WALL RIGHT OF DOOR	STORAGE	6" X 6", BRAILLE	B.34 SIMILAR
B.68	WALL RIGHT OF DOOR	TO EXIT	6" X 6", BRAILLE	B.12 SIMILAR
B.69	WALL LEFT OF CELL DOOR	HOLDING 2	6" X 6", BRAILLE	B.34 SIMILAR
B.70	WALL LEFT OF CELL DOOR	HOLDING 1	6" X 6", BRAILLE	B.34 SIMILAR
B.71	WALL RIGHT OF DOOR	HOLDING	6" X 6", BRAILLE	B.34 SIMILAR
B.72	WALL LEFT OF DOOR	(interchangeable strip) + OFFICE	6" X 9", BRAILLE	B.26 SIMILAR
B.73	WALL LEFT OF DOOR	(interchangeable strip) + OFFICE	6" X 9", BRAILLE	B.26 SIMILAR
B.74	WALL RIGHT OF DOOR	TO EXIT	6" X 6", BRAILLE	B.12 SIMILAR
B.75	WALL LEFT OF DOOR	COURTROOM	6" X 6", BRAILLE	B.34 SIMILAR
B.76	WALL RIGHT OF DOOR	NOT AN EXIT	6" X 6", BRAILLE	B.34 SIMILAR
B.77	WALL LEFT OF DOOR	SHERIFF	6" X 6", BRAILLE	B.34 SIMILAR
B.78	SURFACE OF DOOR	(female symbol)	12" CIRCLE	B.16 SIMILAR
B.79	WALL LEFT OF DOOR	WOMEN + (female, accessibility symbols)	6" X 6", BRAILLE	B.15 SIMILAR
B.80	WALL RIGHT OF DOOR	TO EXIT	6" X 6", BRAILLE	B.12 SIMILAR
B.81	SURFACE OF DOOR	(male symbol)	12" TRIANGLE	B.13 SIMILAR
B.82	WALL LEFT OF DOOR	MEN + (male, accessibility symbols)	6" X 6", BRAILLE	B.14 SIMILAR
B.83	WALL LEFT OF DOOR	JURY ROOM	6" X 6", BRAILLE	B.34 SIMILAR
B.84	WALL RIGHT OF DOOR	TO EXIT	6" X 6", BRAILLE	B.12 SIMILAR

SIGN	LOCATION	COPY	NOTES (SIGN SIZE W x H)	DETAILS (SHEET SS.2)
B.85	WALL LEFT OF DOOR	TO EXIT	6" X 6", BRAILLE	B.12 SIMILAR
B.86	SURFACE OF DOOR	(male symbol)	12" TRIANGLE	B.13 SIMILAR
B.87	WALL LEFT OF DOOR	MEN + (male symbol) + FOR ACCESSIBLE RESTROOM PROCEED THRU EXIT AT END OF HALL, TURN RIGHT	6" X 12", BRAILLE	B.87
B.88	WALL RIGHT OF DOOR	WOMEN + (female symbol) + FOR ACCESSIBLE RESTROOM PROCEED THRU EXIT AT END OF HALL, TURN RIGHT	6" X 12", BRAILLE	B.87 SIMILAR
B.89	SURFACE OF DOOR	(female symbol)	12" CIRCLE	B.16 SIMILAR
B.90	WALL LEFT OF DOOR	TO EXIT	6" X 6", BRAILLE	B.12 SIMILAR
B.91	WALL RIGHT OF DOOR	JURY ROOM	6" X 6", BRAILLE	B.34 SIMILAR
B.92	WALL LEFT OF DOOR	JANITORIAL	6" X 6", BRAILLE	B.34 SIMILAR
B.93	WALL RIGHT OF DOOR	CHAMBERS + (interchangeable message strip, for bench officer's name)	6" X 6", BRAILLE	B.26 SIMILAR
B.94	WALL LEFT OF DOOR	LIBRARY	6" X 6", BRAILLE	B.34 SIMILAR
B.95	WALL RIGHT OF DOOR	STAFF LOUNGE	6" X 6", BRAILLE	B.34 SIMILAR
B.96	WALL LEFT OF DOOR	RESTROOM + (unisex accessibility symbol)	6" X 9", BRAILLE	B.38 SIMILAR
B.97	WALL LEFT OF DOOR	COURT CLERK	6" X 6", BRAILLE	B.34 SIMILAR
B.98	WALL NEAR CORNER	EXIT ROUTE	6" X 6", BRAILLE	B.08 SIMILAR

PROJECT

## SUPERIOR COURT OF CALIFORNIA COUNTY OF SAN JOAQUIN

## MANTECA BRANCH SITE AND BUILDING IMPROVEMENTS

### PHASE 1

CLIENT JOB # ARCHITECT JOB #  
1007

**FRASER  
SEIPLE  
ARCHITECTS**

971 OSOS STREET  
SAN LUIS OBISPO  
CALIFORNIA 93401

805-544-6161

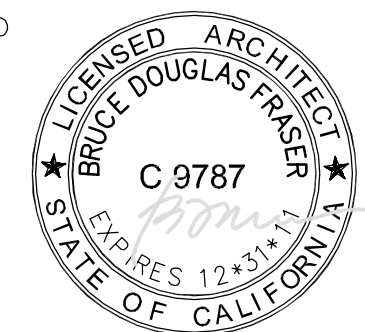
www.fraserseiplearchitects.com

PROJECT MANAGER BDF

DRAWN BY DL

DATES 05/05/11  
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09/01/11

SIGNED



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SHEET TITLE

## PHASE I & PHASE II SIGNAGE FLOOR PLAN

SHEET #

# SS.1



\\John\mantecca Courthouse 1007\Drawings\Sheets\Phase I\SS.1 - Phase I and Phase II Composite Reference Signage Floor Plan.dwg, 8/26/2011, 2:39:23 PM, PDF995

GENERAL SIGNAGE REQUIREMENTS

- THE FOLLOWING REQUIREMENTS ARE PER THE 2010 CBC SECTION 1117B.5.1.
- GENERAL. WHEN NEW OR ADDITIONAL SIGNS AND/OR IDENTIFICATION DEVICES ARE PROVIDED, OR WHEN EXISTING SIGNS AND/OR IDENTIFICATION DEVICES ARE REPLACED OR ALTERED, THE NEW OR ALTERED SIGNS AND/OR IDENTIFICATION DEVICES SHALL COMPLY WITH SECTION 1117B.5. THE ADDITION OF OR REPLACEMENT OF SIGNS AND/OR IDENTIFICATION DEVICES SHALL NOT TRIGGER ANY ADDITIONAL PATH OF TRAVEL REQUIREMENTS.
  - IDENTIFICATION SIGNS**  
WHEN SIGNS IDENTIFY PERMANENT ROOMS AND SPACES OF A BUILDING OR SITE, THEY SHALL COMPLY WITH SECTIONS 1117B.5.2, 1117B.5.3, 1117B.5.5, 1117B.5.6 AND 1117B.5.7. FOR OTHER MEANS OF EGRESS SIGNS AND IDENTIFICATION PROVISIONS ADOPTED BY SPB AND DSA-AC SEE CHAPTER 10, SECTIONS 1011.3 FOR TACTILE EXIT SIGNS, 1022.8 FOR FLOOR IDENTIFICATION SIGNS, 1008.1.9.7 FOR DELAYED EGRESS LOCKS, 1007.9, 1007.10 AND 1007.11 FOR ACCESSIBLE MEANS OF EGRESS, AND 1007.4 FOR ELEVATORS. SEE ALSO SECTION 1116B FOR ADDITIONAL SIGNAGE REQUIREMENTS APPLICABLE TO ELEVATORS AND SECTION 1115B.6 FOR SANITARY FACILITIES.
  - DIRECTIONAL AND INFORMATIONAL SIGNS**  
WHEN SIGNS DIRECT TO OR GIVE INFORMATION ABOUT PERMANENT ROOMS AND FUNCTIONAL SPACES OF A BUILDING OR SITE, THEY SHALL COMPLY WITH SECTIONS 1117B.5.2, 1117B.5.3 AND 1117B.5.4.
  - ACCESSIBILITY SIGNS**  
WHEN SIGNS IDENTIFY, DIRECT TO OR GIVE INFORMATION ABOUT ACCESSIBLE ELEMENTS AND FEATURES OF A BUILDING OR SITE, THEY SHALL INCLUDE THE APPROPRIATE SYMBOL OF ACCESSIBILITY AND SHALL COMPLY WITH SECTIONS 1117B.5.2 AND 1117B.5.8.
  - PLAN REVIEW AND INSPECTION. SIGNS AND IDENTIFICATION AS SPECIFIED IN SECTION 1117B.5.1, WHEN INCLUDED IN THE CONSTRUCTION OF NEW BUILDINGS OR FACILITIES, OR WHEN INCLUDED, ALTERED OR REPLACED DUE TO ADDITIONS, ALTERATIONS OR RENOVATIONS TO EXISTING BUILDINGS OR FACILITIES, AND WHEN A PERMIT IS REQUIRED, SHALL COMPLY WITH THE FOLLOWING PLAN REVIEW AND INSPECTION REQUIREMENTS:
    - PLAN REVIEW. PLANS, SPECIFICATIONS OR OTHER INFORMATION INDICATING COMPLIANCE WITH THESE REGULATIONS SHALL BE SUBMITTED TO THE ENFORCING AGENCY FOR REVIEW AND APPROVAL.
    - INSPECTION. SIGNS AND IDENTIFICATION SHALL BE FIELD INSPECTED AFTER INSTALLATION AND APPROVED BY THE ENFORCING AGENCY PRIOR TO THE ISSUANCE OF A FINAL CERTIFICATE OF OCCUPANCY PER APPENDIX CHAPTER 1, SECTION 110.2, OR FINAL APPROVAL OF A PERMIT. THE INSPECTION SHALL BE CONDUCTED BY THE AGENCY AND SHALL INCLUDE, BUT NOT BE LIMITED TO, VERIFICATION THAT BRAILLE DOTS AND CELLS ARE PROPERLY SPACED AND THE SIZE, PROPORTION AND TYPE OF RAISED CHARACTERS ARE IN COMPLIANCE WITH THESE REGULATIONS.
  - FINISH AND CONTRAST**  
CHARACTERS, SYMBOLS AND THEIR BACKGROUND SHALL HAVE A NONGLARE FINISH. CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND, EITHER LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND.
  - PROPORTIONS**  
CHARACTERS ON SIGNS SHALL BE SELECTED FROM FONTS THAT HAVE A WIDTH-TO-HEIGHT RATIO OF BETWEEN 3:5 (60 PERCENT) AND 1:1 (100 PERCENT) MEASURED BY THE WIDTH OF THE UPPERCASE LETTER "O" AND HEIGHT OF THE UPPERCASE LETTER "I," AND A STROKE WIDTH-TO-HEIGHT RATIO OF BETWEEN 1:5 (20 PERCENT) AND 1:10 (10 PERCENT) MEASURED BY THE WIDTH AND HEIGHT OF THE UPPERCASE LETTER "I."
  - CHARACTER HEIGHT**  
CHARACTERS ON SIGNS REQUIRED TO BE ACCESSIBLE BY SECTION 1117B.5.1, ITEMS 2 AND 3 SHALL BE SIZED ACCORDING TO THE FOLLOWING TABLE. THE MINIMUM HEIGHT IS MEASURED USING AN UPPERCASE LETTER "I," LOWERCASE CHARACTERS ARE PERMITTED. VIEWING DISTANCE SHALL BE MEASURED AS THE HORIZONTAL DISTANCE BETWEEN THE CHARACTER AND AN OBSTRUCTION PREVENTING FURTHER APPROACH TOWARDS THE SIGN.

VISUAL CHARACTER HEIGHT		
HEIGHT TO FINISH FLOOR OR GROUND FROM BASELINE OF CHARACTER	HORIZONTAL VIEWING DISTANCE	MINIMUM CHARACTER HEIGHT
40 INCHES TO LESS THAN OR EQUAL TO 70 INCHES	LESS THAN 72 INCHES	5/8 INCH
	72 INCHES AND GREATER	5/8 INCH, PLUS 1/8 INCH PER FOOT OF VIEWING DISTANCE ABOVE 72 INCHES
GREATER THAN 70 INCHES TO LESS THAN OR EQUAL TO 120 INCHES	LESS THAN 180 INCHES	2 INCHES
	180 INCHES AND GREATER	2 INCHES, PLUS 1/8 INCH PER FOOT OF VIEWING DISTANCE ABOVE 180 INCHES
GREATER THAN 120 INCHES	LESS THAN 21 FEET	3 INCHES
	21 FEET AND GREATER	3 INCHES, PLUS 1/8 INCH PER FOOT OF VIEWING DISTANCE ABOVE 21 FEET

- RAISED CHARACTERS AND PICTORIAL SYMBOL SIGNS**  
WHEN RAISED CHARACTERS ARE REQUIRED OR WHEN PICTORIAL SYMBOLS (PICTOGRAMS) ARE USED ON SUCH SIGNS, THEY SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:
  - CHARACTER TYPE**  
CHARACTERS ON SIGNS SHALL BE RAISED 1/32 INCH MINIMUM AND SHALL BE SANS SERIF UPPERCASE CHARACTERS ACCOMPANIED BY CONTRACTED (GRADE 2) BRAILLE COMPLYING WITH SECTION 1117B.5.6.
  - CHARACTER SIZE**  
RAISED CHARACTERS SHALL BE A MINIMUM OF 5/8 INCH AND A MAXIMUM OF 2 INCHES HIGH.
  - PICTORIAL SYMBOL SIGNS (PICTOGRAMS)**  
PICTORIAL SYMBOL SIGNS (PICTOGRAMS) SHALL BE ACCOMPANIED BY THE VERBAL DESCRIPTION PLACED DIRECTLY BELOW THE PICTOGRAM. THE OUTSIDE DIMENSION OF THE PICTOGRAM FIELD SHALL BE A MINIMUM OF 6 INCHES IN HEIGHT.
  - CHARACTER PLACEMENT**  
CHARACTERS AND BRAILLE SHALL BE IN A HORIZONTAL FORMAT. BRAILLE SHALL BE PLACED A MINIMUM OF 3/8 INCH AND A MAXIMUM OF 1/2 INCH DIRECTLY BELOW THE TACTILE CHARACTERS, FLUSH LEFT OR CENTERED. WHEN TACTILE TEXT IS MULTILINED, ALL BRAILLE SHALL BE PLACED TOGETHER BELOW ALL LINES OF TACTILE TEXT.
- BRAILLE**  
CONTRACTED (GRADE 2) BRAILLE SHALL BE USED WHEREVER BRAILLE IS REQUIRED IN OTHER PORTIONS OF THESE STANDARDS. DOTS SHALL BE 1/10 INCH ON CENTER IN EACH CELL WITH 2/10-INCH SPACE BETWEEN CELLS. MEASURED FROM THE SECOND COLUMN OF DOTS IN THE FIRST CELL TO THE FIRST COLUMN OF DOTS IN THE SECOND CELL. DOTS SHALL BE RAISED A MINIMUM OF 1/40 INCH ABOVE THE BACKGROUND. BRAILLE DOTS SHALL BE DOMED OR ROUNDED.
- MOUNTING LOCATION AND HEIGHT**  
WHERE PERMANENT IDENTIFICATION SIGNS ARE PROVIDED FOR ROOMS AND SPACES, SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE. INCLUDING AT DOUBLE LEAF DOORS, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL, PREFERABLY ON THE RIGHT.
  - WHERE PERMANENT IDENTIFICATION SIGNAGE IS PROVIDED FOR ROOMS AND SPACES THEY SHALL BE LOCATED ON THE APPROACH SIDE OF THE DOOR AS ONE ENTERS THE ROOM OR SPACE. SIGNS THAT IDENTIFY EXITS SHALL BE LOCATED ON THE APPROACH SIDE OF THE DOOR AS ONE EXITS THE ROOM OR SPACE.
  - MOUNTING HEIGHT SHALL BE 60 INCHES ABOVE THE FINISH FLOOR TO THE CENTER LINE OF THE SIGN. MOUNTING LOCATION SHALL BE DETERMINED SO THAT A PERSON MAY APPROACH WITHIN 3 INCHES OF SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF A DOOR.
  - SEE ALSO SECTION 1115B.6 FOR ADDITIONAL SIGNAGE REQUIREMENTS APPLICABLE TO SANITARY FACILITIES.

- SYMBOLS OF ACCESSIBILITY**
  - INTERNATIONAL SYMBOL OF ACCESSIBILITY**  
THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE THE STANDARD USED TO IDENTIFY FACILITIES THAT ARE ACCESSIBLE TO AND USABLE BY PHYSICALLY DISABLED PERSONS AS SET FORTH IN THESE BUILDING STANDARDS AND AS SPECIFICALLY REQUIRED IN THIS SECTION. SEE FIGURE 11B-6.  
EXCEPTION: SIGNS NEED NOT BE PROVIDED FOR FACILITIES WITHIN AN ADAPTABLE DWELLING UNIT, OR WITHIN AN ACCESSIBLE PATIENT OR GUEST ROOM.
  - COLOR OF SYMBOL**  
THE SYMBOL SPECIFIED ABOVE SHALL CONSIST OF A WHITE FIGURE ON A BLUE BACKGROUND. THE BLUE SHALL BE EQUAL TO COLOR NO. 15090 IN FEDERAL STANDARD 595B.  
EXCEPTION: THE APPROPRIATE ENFORCEMENT AGENCY MAY APPROVE OTHER COLORS TO COMPLEMENT DECOR OR UNIQUE DESIGN. THE SYMBOL CONTRAST SHALL BE LIGHT ON DARK OR DARK ON LIGHT.
- ENTRANCE SIGNS**  
ENTRANCES TO BUILDINGS AND FACILITIES THAT ARE ACCESSIBLE TO AND USABLE BY PERSONS WITH DISABILITIES SHALL BE IDENTIFIED WITH A MINIMUM OF ONE INTERNATIONAL SYMBOL OF ACCESSIBILITY AND WITH ADDITIONAL DIRECTIONAL SIGNS, UTILIZING THE SYMBOL, AT JUNCTIONS WHERE THE ACCESSIBLE ROUTE OF TRAVEL DIVERGES FROM THE REGULAR CIRCULATION PATH, TO BE VISIBLE TO PERSONS ALONG APPROACHING CIRCULATION PATHS. IN EXISTING BUILDINGS AND FACILITIES, ENTRANCES WHICH ARE NOT ACCESSIBLE SHALL HAVE DIRECTIONAL SIGNAGE COMPLYING WITH SECTION 1117B.5.1, ITEMS 2 AND 3, WHICH INDICATES THE LOCATION OF AND ROUTE TO THE NEAREST ACCESSIBLE ENTRANCE.  
EXCEPTIONS:
  - AN INTERNATIONAL SYMBOL OF ACCESSIBILITY IS NOT REQUIRED AT ENTRANCES TO INDIVIDUAL ROOMS, SUITES, OFFICES, SALES OR RENTAL ESTABLISHMENTS, OR OTHER SUCH SPACES WHEN ALL ENTRANCES TO THE BUILDING OR FACILITY ARE ACCESSIBLE AND PERSONS ENTERING THE BUILDING OR FACILITY HAVE PASSED THROUGH ONE OR MORE ENTRANCES WITH SIGNAGE COMPLYING WITH THIS SECTION.
  - AN INTERNATIONAL SYMBOL OF ACCESSIBILITY IS NOT REQUIRED AT ENTRANCES TO MACHINERY SPACES FREQUENTED ONLY BY SERVICE PERSONNEL FOR MAINTENANCE, REPAIR, OR OCCASIONAL MONITORING OF EQUIPMENT; FOR EXAMPLE, ELEVATOR PITTS OR ELEVATOR PENTHOUSES; MECHANICAL, ELECTRICAL, OR COMMUNICATIONS EQUIPMENT ROOMS; PIPING OR EQUIPMENT CATWALKS; ELECTRIC SUBSTATIONS AND TRANSFORMER VAULTS; AND HIGHWAY AND TUNNEL UTILITY FACILITIES.

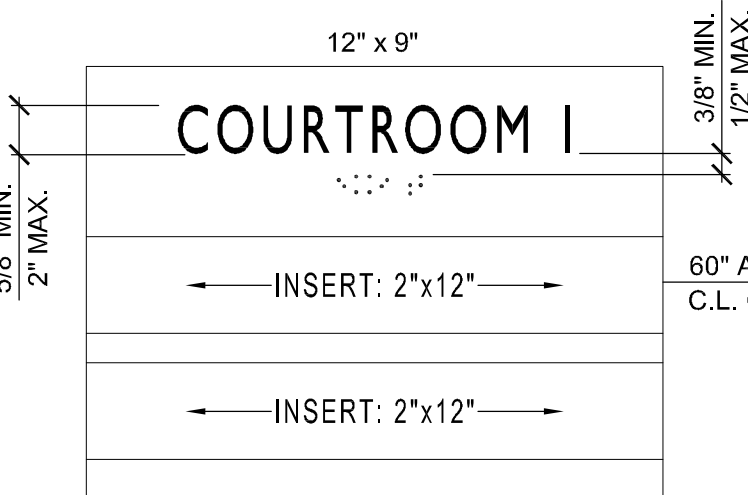
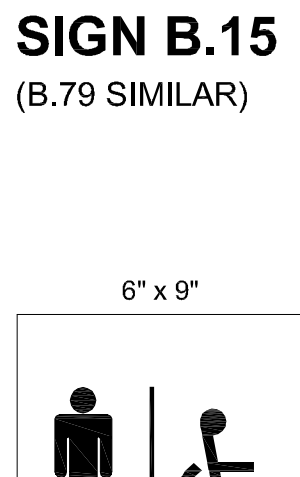
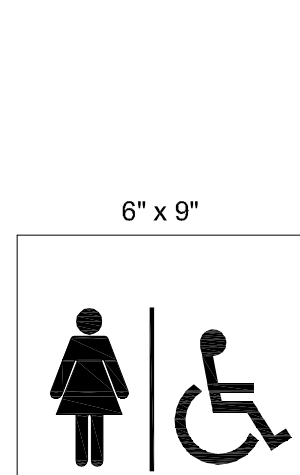
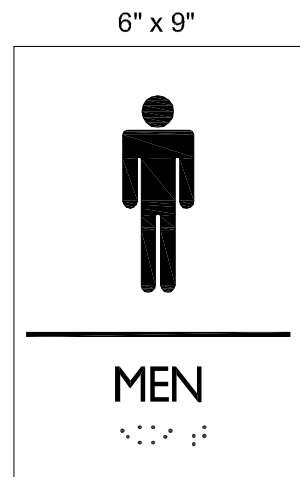
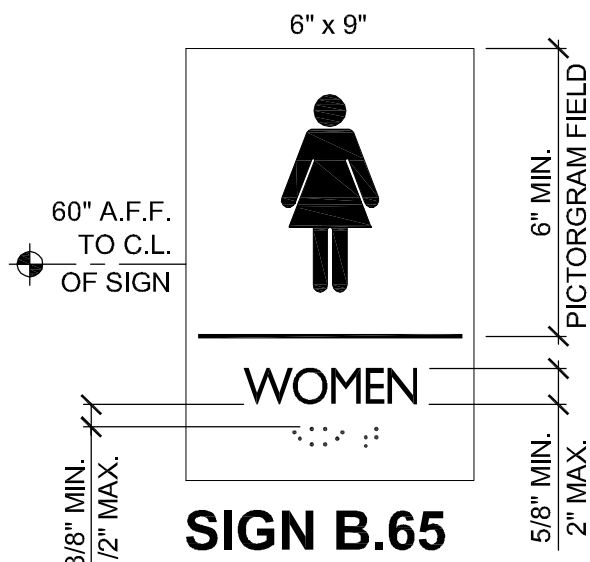
EXIT SIGNAGE

- EXIT SIGNAGE SHALL COMPLY WITH THE PROVISIONS OF THE 2010 CALIFORNIA BUILDING CODE SECTION 1011.
- WHERE REQUIRED**  
EXITS AND EXIT ACCESS DOORS SHALL BE MARKED BY AN APPROVED EXIT SIGN READILY VISIBLE FROM ANY DIRECTION OF EGRESS TRAVEL. THE PATH OF EGRESS TRAVEL TO EXITS AND WITHIN EXITS SHALL BE MARKED BY READILY VISIBLE EXIT SIGNS TO CLEARLY INDICATE THE DIRECTION OF EGRESS TRAVEL IN CASES WHERE THE EXITS OR THE PATH OF EGRESS TRAVEL IS NOT IMMEDIATELY VISIBLE TO THE OCCUPANTS. INTERVENING MEANS OF EGRESS DOORS WITHIN EXITS SHALL BE MARKED BY EXITS SIGNS. EXIT SIGN PLACEMENT SHALL BE SUCH THAT NO POINT IN AN EXITS ACCESS CORRIDOR OR EXITS PASSAGEWAY IS MORE THAN 100 FEET OR THE LISTED VIEWING DISTANCE FOR THE SIGN, WHICHEVER IS LESS, FROM THE NEAREST VISIBLE EXITS SIGN.  
EXCEPTIONS:
  - EXIT SIGNS ARE NOT REQUIRED IN ROOMS OR AREAS THAT REQUIRE ONLY ONE EXITS OR EXITS ACCESS.
  - MAIN EXTERIOR EXITS DOORS OR GATES THAT ARE OBVIOUSLY AND CLEARLY IDENTIFIABLE AS EXITS NEED NOT HAVE EXITS SIGNS WHERE APPROVED BY THE BUILDING OFFICIAL.
  - EXIT SIGNS ARE NOT REQUIRED IN OCCUPANCIES IN GROUP U AND INDIVIDUAL SLEEPING UNITS OR DWELLING UNITS IN GROUP R-1, R-2/R-3 OR R-3.1.
  - EXIT SIGNS ARE NOT REQUIRED WHERE INMATES ARE HOUSED, OR HELD IN DAYROOMS, SLEEPING ROOMS OR DORMITORIES IN OCCUPANCIES IN GROUP I-3.
  - IN OCCUPANCIES IN GROUPS A-4 AND A-5, EXITS SIGNS ARE NOT REQUIRED ON THE SEATING SIDE OF VOMITORIES OR OPENINGS INTO SEATING AREAS WHERE EXITS SIGNS ARE PROVIDED IN THE CONCOURSE THAT ARE READILY APPARENT FROM THE VOMITORIES. EGRESS LIGHTING IS PROVIDED TO IDENTIFY EACH VOMITORY OR OPENING WITHIN THE SEATING AREA IN AN EMERGENCY.
- ILLUMINATION**  
EXIT SIGNS SHALL BE INTERNALLY OR EXTERNALLY ILLUMINATED.  
EXCEPTION: TACTILE SIGNS REQUIRED BY SECTION 1011.3 NEED NOT BE PROVIDED WITH ILLUMINATION.
- TACTILE EXITS SIGNS**  
FOR THE PURPOSES OF SECTION 1011.3, THE TERM "TACTILE EXITS SIGNS" SHALL MEAN THOSE REQUIRED SIGNS THAT COMPLY WITH SECTION 1117B.5.1 ITEM 1. TACTILE EXITS SIGNS SHALL BE REQUIRED AT THE FOLLOWING LOCATIONS:
  - EACH GRADE-LEVEL EXTERIOR EXITS DOOR SHALL BE IDENTIFIED BY A TACTILE EXITS SIGN WITH THE WORD, "EXIT." EACH EXITS DOOR THAT LEADS DIRECTLY TO A GRADE-LEVEL EXTERIOR EXITS BY MEANS OF A STAIRWAY OR RAMP SHALL BE IDENTIFIED BY A TACTILE EXITS SIGN WITH THE FOLLOWING WORDS AS APPROPRIATE:
    - "EXIT STAIR DOWN"
    - "EXIT RAMP DOWN"
    - "EXIT STAIR UP"
    - "EXIT RAMP UP"
  - EACH EXITS DOOR THAT LEADS DIRECTLY TO A GRADE-LEVEL EXTERIOR EXITS BY MEANS OF AN EXITS ENCLOSURE THAT DOES NOT UTILIZE A STAIR OR RAMP, OR AN EXITS PASSAGEWAY SHALL BE IDENTIFIED BY A TACTILE EXITS SIGN WITH THE WORDS, "EXIT ROUTE"
  - EACH EXITS ACCESS DOOR FROM AN INTERIOR ROOM OR AREA THAT IS REQUIRED TO HAVE A VISUAL EXITS SHALL BE IDENTIFIED BY A TACTILE EXITS SIGN WITH THE WORDS, "EXIT ROUTE"
  - EACH EXITS DOOR THROUGH A HORIZONTAL EXITS SHALL BE IDENTIFIED BY A TACTILE EXITS SIGN WITH THE WORDS, "TO EXIT."
- INTERNALLY ILLUMINATED EXITS SIGNS**  
ELECTRICALLY POWERED, SELF-LUMINOUS AND PHOTOLUMINESCENT EXITS SIGNS SHALL BE LISTED AND LABELED IN ACCORDANCE WITH UL 924 AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND CHAPTER 27. EXIT SIGNS SHALL BE ILLUMINATED AT ALL TIMES.
- EXTERNALLY ILLUMINATED EXITS SIGNS**  
EXTERNALLY ILLUMINATED EXITS SIGNS SHALL COMPLY WITH SECTIONS 1011.5.1 THROUGH 1011.5.3.
- GRAPHICS**  
EVERY EXITS SIGN AND DIRECTIONAL EXITS SIGN SHALL HAVE PLAINLY LEGIBLE LETTERS NOT LESS THAN 6 INCHES HIGH WITH THE PRINCIPAL STROKES OF THE LETTERS NOT LESS THAN 1/2 INCH WIDE. THE WORD "EXIT" SHALL HAVE LETTERS HAVING A WIDTH NOT LESS THAN 2 INCHES WIDE, EXCEPT THE LETTER "I," AND THE MINIMUM SPACING BETWEEN LETTERS SHALL NOT BE LESS THAN 3/8 INCH. SIGN LARGER THAN THE MINIMUM ESTABLISHED IN THIS SECTION SHALL HAVE LETTER WIDTHS, STROKES AND SPACING IN PROPORTION TO THEIR HEIGHT. THE WORD "EXIT" SHALL BE IN HIGH CONTRAST WITH THE BACKGROUND AND SHALL BE CLEARLY DISCERNIBLE WHEN THE MEANS OF EXITS SIGN ILLUMINATION IS OR IS NOT ENERGIZED. IF A CHEVRON DIRECTIONAL INDICATOR IS PROVIDED AS PART OF THE EXITS SIGN, THE CONSTRUCTION SHALL BE SUCH THAT THE DIRECTION OF THE CHEVRON DIRECTIONAL INDICATOR CANNOT BE READILY CHANGED.

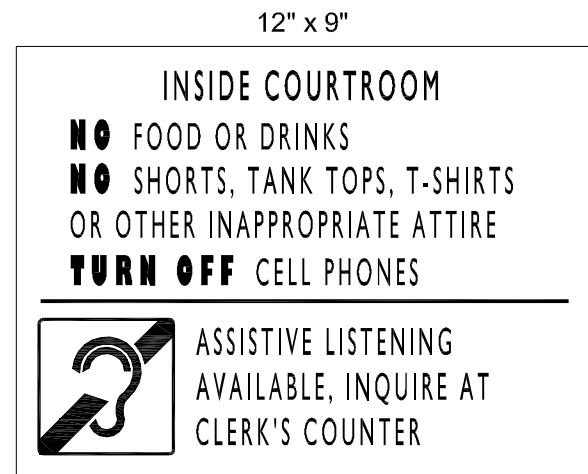
- EXIT SIGN ILLUMINATION**  
THE FACE OF AN EXITS SIGN ILLUMINATED FROM AN EXTERNAL SOURCE SHALL HAVE AN INTENSITY OF NOT LESS THAN 5 FOOT-CANDELES (54 LUX).
- POWER SOURCE**  
EXIT SIGNS SHALL BE ILLUMINATED AT ALL TIMES. TO ENSURE CONTINUED ILLUMINATION FOR A DURATION OF NOT LESS THAN 90 MINUTES IN CASE OF PRIMARY POWER LOSS, THE SIGN ILLUMINATION MEANS SHALL BE CONNECTED TO AN EMERGENCY POWER SYSTEM PROVIDED FROM STORAGE BATTERIES, UNIT EQUIPMENT OR AN ON-SITE GENERATOR. THE INSTALLATION OF THE EMERGENCY POWER SYSTEM SHALL BE IN ACCORDANCE WITH CHAPTER 27.  
EXCEPTION: APPROVED EXITS SIGN ILLUMINATION MEANS THAT PROVIDE CONTINUOUS ILLUMINATION INDEPENDENT OF EXTERNAL POWER SOURCES FOR A DURATION OF NOT LESS THAN 90 MINUTES, IN CASE OF PRIMARY POWER LOSS, ARE NOT REQUIRED TO BE CONNECTED TO AN EMERGENCY ELECTRICAL SYSTEM.

SANITARY FACILITY SIGNAGE

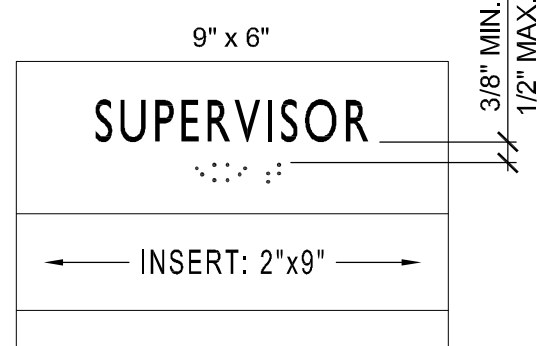
- SANITARY FACILITY SIGNAGE SHALL COMPLY WITH THE PROVISIONS OF THE 2010 CALIFORNIA BUILDING CODE SECTION 1115B.6
- IDENTIFICATION SYMBOLS**  
DOORWAYS LEADING TO SANITARY FACILITIES SHALL BE IDENTIFIED BY A GEOMETRIC SYMBOL. GEOMETRIC SYMBOLS SHALL BE CENTERED HORIZONTALLY ON THE DOOR AT A HEIGHT OF 60 INCHES ABOVE THE FINISH FLOOR OR GROUND SURFACE MEASURED TO THE CENTER OF THE SYMBOL. EDGES OF SIGNS SHALL BE ROUNDED, CHAMFERED OR EASED. CORNERS OF SIGNS SHALL HAVE A MINIMUM RADIUS OF 1/8 INCH. SEE SECTION 1117B.5.1, ITEM 1 FOR ADDITIONAL SIGNAGE REQUIREMENTS APPLICABLE TO SANITARY FACILITIES.
- MEN'S SANITARY FACILITIES SHALL BE IDENTIFIED BY AN EQUILATERAL TRIANGLE, 1/4 INCH THICK WITH EDGES 12 INCHES LONG AND A VERTEX POINTING UPWARD. THE TRIANGLE SYMBOL SHALL CONTRAST WITH THE DOOR, EITHER LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND.
- WOMEN'S SANITARY FACILITIES SHALL BE IDENTIFIED BY A CIRCLE, 1/4 INCH THICK AND 12 INCHES IN DIAMETER. THE CIRCLE SYMBOL SHALL CONTRAST WITH THE DOOR, EITHER LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND.
- UNISEX SANITARY FACILITIES SHALL BE IDENTIFIED BY A CIRCLE, 1/4 INCH THICK AND 12 INCHES IN DIAMETER WITH A 1/4 INCH THICK TRIANGLE SUPERIMPOSED ON THE CIRCLE AND WITHIN THE 12-INCH DIAMETER. THE TRIANGLE SYMBOL SHALL CONTRAST WITH THE CIRCLE SYMBOL, EITHER LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND. THE CIRCLE SYMBOL SHALL CONTRAST WITH THE DOOR, EITHER LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND.



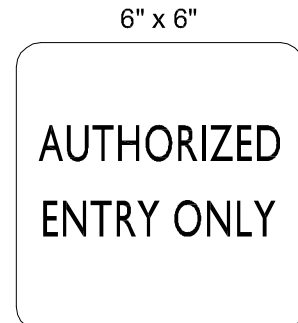
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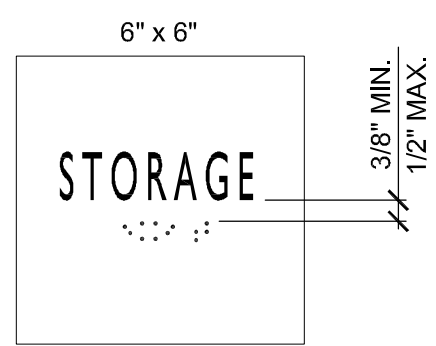
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SIGN B.26  
(B.29, B.33, B.36, B.43, B.72, B.73, B.93 SIMILAR)



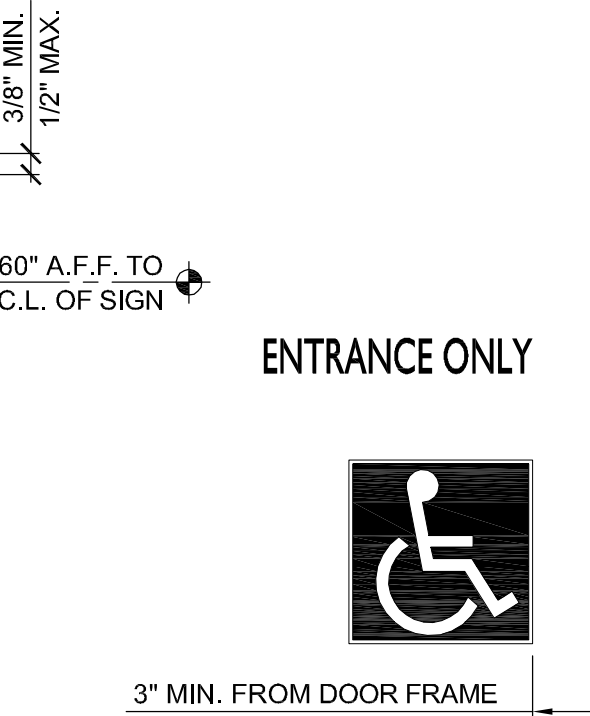
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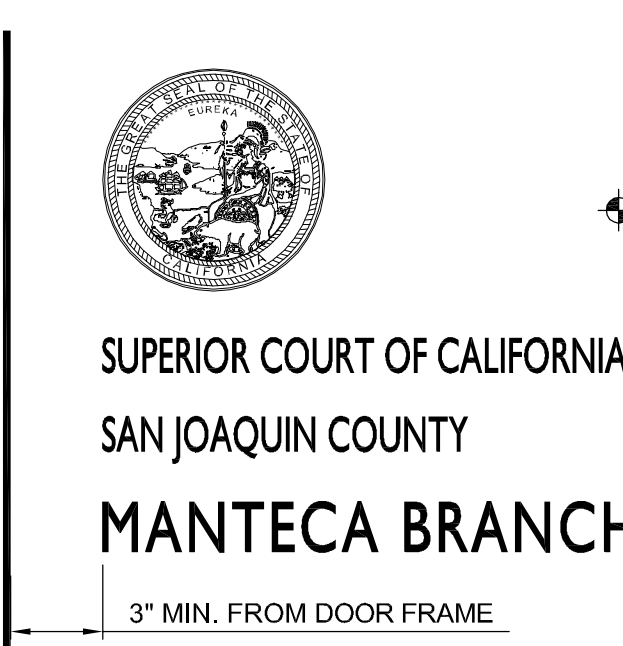
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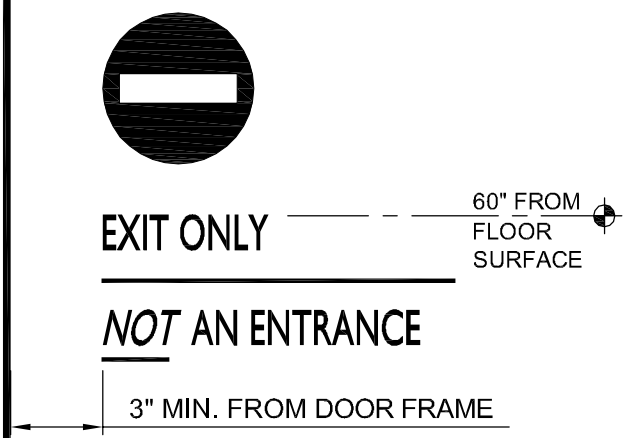
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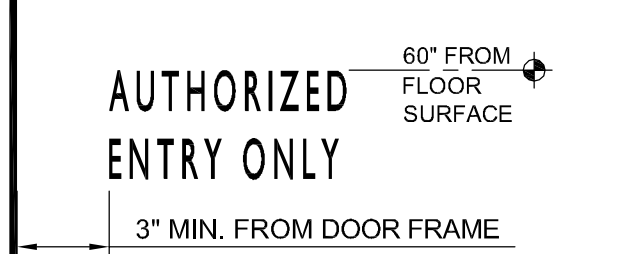
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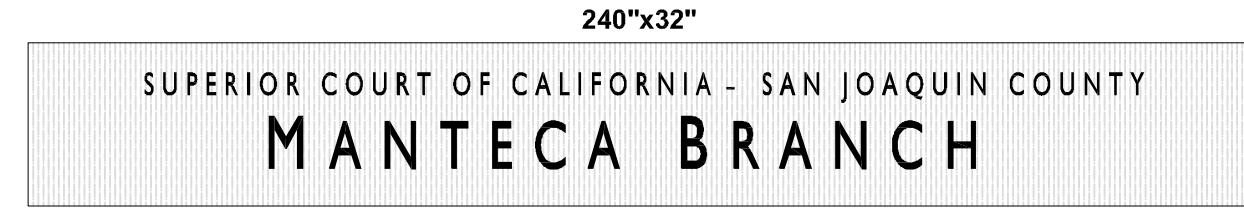
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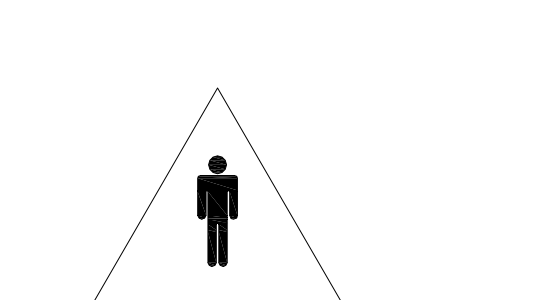
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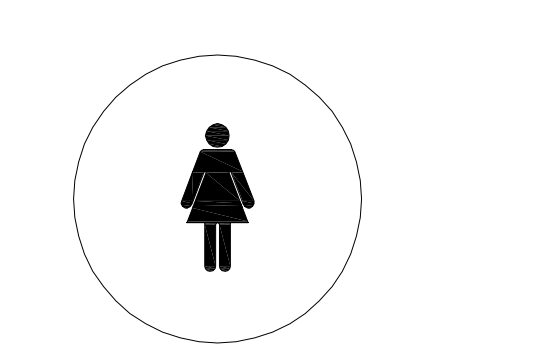
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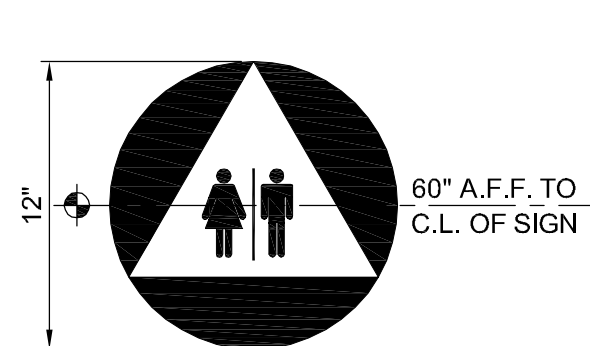
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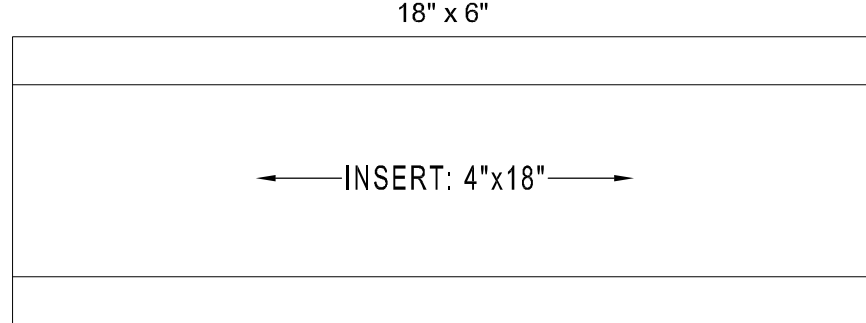
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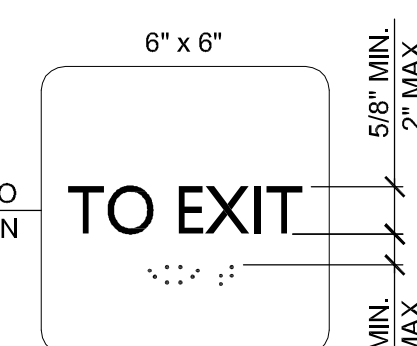
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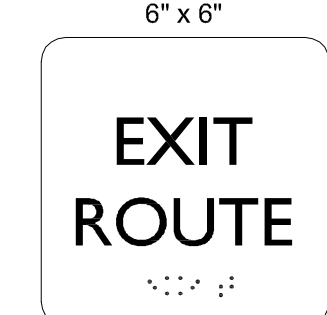
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SIGN B.20  
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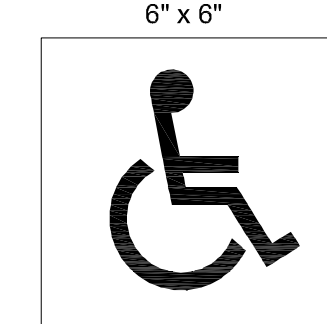
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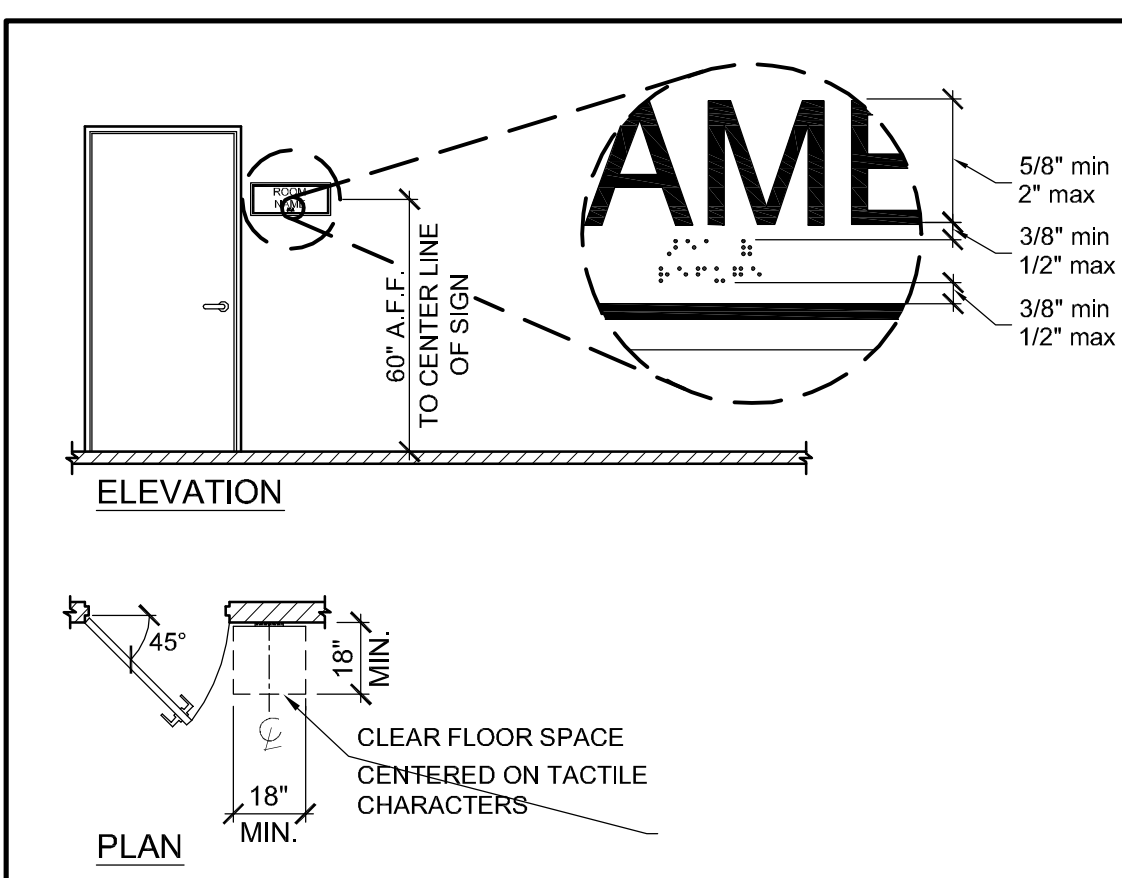
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(B.09, B.35, B.56, B.98 SIMILAR)



SIGN B.18  
(B.52)



SIGN B.51  
(A.03 SIMILAR)



MOUNTING LOCATION

(PERMANENT IDENTIFICATION & EXITING SIGNS)  
1/4"= 1' -0"

PROJECT

**SUPERIOR COURT  
OF CALIFORNIA  
COUNTY OF SAN JOAQUIN**

**MANTECA BRANCH  
SITE AND BUILDING  
IMPROVEMENTS**

**PHASE 1**

CLIENT JOB # ARCHITECT JOB #  
**1007**

**FRASER  
SEIPLE  
ARCHITECTS**

971 OSOS STREET  
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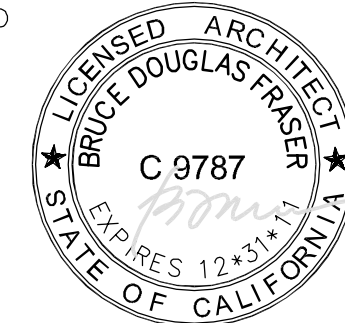
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PROJECT MANAGER BDF

DRAWN BY DL

DATES 05/05/11  
06/20/11  
09/01/11

SIGNED



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SHEET TITLE

**PHASE I  
SIGN GRAPHICS**

SHEET #

**SS.2**



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# GENERAL STRUCTURAL NOTES

## GENERAL NOTES

- THE FOLLOWING NOTES, TYPICAL DETAILS AND SCHEDULES SHALL APPLY TO ALL PHASES OF THIS PROJECT UNLESS OTHERWISE SHOWN OR NOTED.
- SPECIFIC NOTES AND DETAILS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.
- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE MINIMUM STANDARDS OF THE 2010 EDITION OF THE CALIFORNIA BUILDING CODE (CBC) AND SUCH OTHER REGULATING AGENCIES EXERCISING AUTHORITY OVER ANY PORTION OF THE WORK. THE CONTRACTOR SHALL HAVE A COPY OF THE CBC ON THE JOB SITE.
- THE "CONTRACT OR CONSTRUCTION DOCUMENTS" SHALL CONSIST OF THESE NOTES, DETAILS, SCHEDULES, PLANS, AND DRAWINGS, AS WELL AS ATTACHED SPECIFICATIONS.
- ALL SPECIFICATIONS, INCLUDING BUT NOT LIMITED TO MATERIALS AND PRODUCTS, SHALL BE THOSE SET FORTH IN THE "CONTRACT OR CONSTRUCTION DOCUMENTS". NO SUBSTITUTIONS SHALL BE PERMITTED TO BE USED OR ASSUMED TO BE USED IN THE BIDDING OR CONSTRUCTION PROCESS WITHOUT WRITTEN APPROVAL BY THE ENGINEER OF RECORD.
- THE CONTRACTOR SHALL EXAMINE THE "CONTRACT OR CONSTRUCTION DOCUMENTS" AND SHALL NOTIFY THE ARCHITECT OR ENGINEER OF ANY DISCREPANCIES HE MAY FIND BEFORE PROCEEDING WITH THE WORK.
- ALL INFORMATION ON EXISTING CONDITIONS SHOWN ON DRAWINGS ARE BASED ON BEST PRESENT KNOWLEDGE AVAILABLE, BUT WITHOUT GUARANTEE OF ACCURACY. THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS AT THE SITE AND SHALL NOTIFY THE ARCHITECT OR ENGINEER OF ANY DISCREPANCIES BETWEEN ACTUAL SITE CONDITIONS AND INFORMATION SHOWN ON OR IN THE "CONTRACT OR CONSTRUCTION DOCUMENTS" BEFORE PROCEEDING WITH WORK.
- THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT OR ENGINEER OF ANY CONDITION WHICH IN HIS OPINION MIGHT ENDANGER THE STABILITY OF THE STRUCTURE OR CAUSE DISTRESS OF THE STRUCTURE.
- ALL WORK SHALL CONFORM TO THE BEST PRACTICE PREVAILING IN THE VARIOUS TRADES COMPRISING WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES.
- THESE "CONTRACT OR CONSTRUCTION DOCUMENTS" REPRESENT THE FINISHED STRUCTURE, AND DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES.
- INSPECTION AND APPROVAL FOR FABRICATOR'S SHOPS USED FOR FABRICATION OF STRUCTURAL LOAD BEARING MEMBERS, COMPONENTS, MATERIALS OR ASSEMBLIES SHALL CONFORM TO CBC SECTION 1704.2.
  - LABELING (AS REQUIRED OR SPECIFIED) SHALL BE PROVIDED IN ACCORDANCE WITH CBC SECTION 1703.5.
  - EVALUATION AND FOLLOW-UP INSPECTION SERVICES (AS REQUIRED OR SPECIFIED), SHALL CONFORM TO CBC SECTION 1703.6.
- THE CONTRACTOR SHALL REFER TO THE SPECIFICATIONS FOR INFORMATION NOT COVERED BY THESE DRAWINGS AND GENERAL NOTES.
- THE CONTRACTOR SHALL PROVIDE TEMPORARY BRACING AND SHORING FOR ALL STRUCTURAL MEMBERS AS REQUIRED FOR STRUCTURAL STABILITY OF THE STRUCTURE DURING ALL PHASES OF CONSTRUCTION.
- THE CONTRACTOR SHALL TAKE ALL STEPS NECESSARY TO ENSURE PROPER ALIGNMENT OF THE STRUCTURE AFTER THE INSTALLATION OF ALL STRUCTURAL AND FINISH MATERIALS. THIS SHALL INCLUDE ANY NECESSARY PRELOADING OF THE STRUCTURE TO DETERMINE FINAL POSITION OF THE COMPLETED WORK.
- OBSERVATION VISITS TO THE PROJECT SITE BY FIELD REPRESENTATIVES OF ARCHITECT AND/OR ENGINEER (SUPPORT SERVICES) SHALL NOT INCLUDE INSPECTIONS OF SAFETY OR PROTECTIVE MEASURES, NOR CONSTRUCTION PROCEDURES, TECHNIQUES OR METHODS. ANY SUPPORT SERVICES PERFORMED BY ARCHITECT OR ENGINEER DURING ANY PHASE OF CONSTRUCTION, SHALL BE DISTINGUISHED FROM CONTINUOUS AND DETAILED INSPECTION SERVICES (AS REQUIRED BY ANY REGULATING GOVERNMENTAL AGENCY, e.g. LOCAL BUILDING DEPARTMENT) PROVIDED BY OTHERS. THESE SUPPORT SERVICES, WHETHER OF MATERIAL OR WORK, ARE PERFORMED SOLELY FOR THE PURPOSE OF ASSISTING IN QUALITY CONTROL AND IN ACHIEVING CONFORMANCE WITH CONTRACT DOCUMENTS, BUT DO NOT GUARANTEE CONTRACTORS PERFORMANCE AND SHALL NOT BE CONSTRUED AS SUPERVISION OF CONSTRUCTION.
- PROVIDE OPENINGS AND SUPPORTS AS REQUIRED PER TYPICAL DETAILS AND NOTES FOR MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT, VENTS, DUCTS, PIPING, ETC. ALL MECHANICAL, PLUMBING AND ELECTRICAL EQUIPMENT SHALL BE PROPERLY "SWAY BRACED" AGAINST LATERAL FORCES.
- THESE NOTES, DETAILS, DRAWINGS AND SPECIFICATIONS (CONTRACT OR CONSTRUCTION DOCUMENTS) DO NOT CARVE NECESSARY PROVISIONS FOR CONSTRUCTION SAFETY. THESE DOCUMENTS AND ALL PHASES OF CONSTRUCTION HEREBY CONTEMPLATED ARE TO BE GOVERNED, AT ALL TIMES, BY APPLICABLE PROVISIONS OF THE CURRENT CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH ACT.
- WHERE ANY CONFLICT OCCURS BETWEEN THE REQUIREMENTS OF FEDERAL, STATE AND LOCAL LAWS, CODES, ORDINANCES, RULES AND REGULATIONS, THE MOST STRINGENT SHALL GOVERN.
- REFER TO ARCHITECTURAL DRAWINGS TO COORDINATE WITH STRUCTURAL DRAWINGS. ANY DISCREPANCY BETWEEN THESE DRAWINGS SHALL BE REFERRED TO THE ARCHITECT OR ENGINEER FOR CLARIFICATION BEFORE START OF CONSTRUCTION.
- WRITTEN DIMENSIONS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.
- DRAWINGS (NOTES, SCHEDULES, DETAILS AND PLANS) SHALL HAVE PRECEDENCE OVER STRUCTURAL CALCULATIONS.
- IN THE EVENT THAT CERTAIN FEATURES OF THE CONSTRUCTION ARE NOT FULLY SHOWN ON THE DRAWINGS OR CALLED FOR IN THE GENERAL NOTES OR SPECIFICATIONS, THEN THEIR CONSTRUCTION SHALL BE OF THE SAME CHARACTER AS FOR SIMILAR CONDITIONS THAT ARE SHOWN OR CALLED FOR.
- CONTRACTOR SHALL HAVE A COPY OF PROJECT SOILS/GEOTECHNICAL/FOUNDATION INVESTIGATION ON THE JOB SITE.
- ASTM DESIGNATION AND ALL STANDARDS REFER TO THE LATEST AMENDMENTS.
- THESE STRUCTURAL "CONTRACT OR CONSTRUCTION DOCUMENTS" SHALL NOT BE MODIFIED WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER.
- ONLY "APPROVED" STRUCTURAL WORKING DRAWINGS AND "CONTRACT OR CONSTRUCTION DOCUMENTS" ARE PERMITTED TO BE USED FOR CONSTRUCTION ON THIS PROJECT. ALL OTHER DRAWINGS OR DOCUMENTS ARE OBSOLETE AND ARE NOT PERMITTED ON THE JOB SITE, NOR SHALL THEY BE USED FOR ANY CONSTRUCTION PURPOSES. CONTRACTORS USING UNAPPROVED DRAWINGS OR DOCUMENTS ARE SOLELY RESPONSIBLE FOR ALL WORK NOT PERFORMED IN ACCORDANCE WITH THE "APPROVED" DRAWINGS.
- SEE ARCHITECTURAL DRAWINGS FOR ALL FIRE PROTECTION REQUIREMENTS.

## SHOP DRAWING AND CONTRACTOR SUBMITTAL REVIEW

- SHOP DRAWINGS OR CONTRACTOR SUBMITTALS SHOULD BE PROVIDED FOR THE FABRICATION (OR MIXING) OF THE FOLLOWING (BUT NOT LIMITED TO) COMPONENTS OR ELEMENTS.
    - CONCRETE (AND/OR GROUT) MIX DESIGNS.
    - STRUCTURAL STEEL.
    - TRUSSES.
    - FIRE SPRINKLERS.
    - REINFORCING STEEL.
    - PRECAST CONCRETE OR TILT-UP PANELS.
    - SUBSTITUTE OR ALTERNATE MATERIALS.
    - FORMWORK AND SHORING.
    - ELEVATORS.
  - PROJECT CONTRACTOR SHALL BE RESPONSIBLE FOR PRODUCTION AND APPROVAL OF ALL SHOP DRAWINGS.
  - WHEN PROJECT CONTRACTOR SUBMITS SHOP DRAWINGS OR OTHER SUBMITTALS TO ARCHITECT/ENGINEER FOR REVIEW, SUBMITTAL PACKAGE SHALL CONTAIN SUFFICIENT COPIES THAT ARCHITECT/ENGINEER MAY RETAIN A COMPLETE COPY OF SUBMITTAL PACKAGE. IN ADDITION, PROJECT CONTRACTOR SHALL ALLOW SUFFICIENT TIME TO THOROUGHLY REVIEW SUBMITTAL PACKAGE (10 WORKING DAYS, MINIMUM).
  - REVIEW OF SHOP DRAWINGS OR CONTRACTOR SUBMITTAL BY ARCHITECT/ENGINEER DOES NOT IN ANY WAY CONSTITUTE APPROVAL OF SUBMITTAL PACKAGE. ARCHITECT/ENGINEER'S REVIEW IS FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT AND CONTRACT DOCUMENTS. REVIEW SHALL NOT BE CONSTRUED AS RELIEVING PROJECT CONTRACTOR FROM COMPLIANCE WITH THE CONTRACT DOCUMENTS.
- ### DEMOLITION NOTES
- SAFETY NOTE:
    - IT IS SOLELY THE CONTRACTORS RESPONSIBILITY TO COMPLY WITH THE PERTINENT SECTIONS, AS THEY APPLY TO THIS PROJECT, OF THE "CONSTRUCTION SAFETY ORDERS" ISSUED BY THE STATE OF CALIFORNIA, LATEST EDITION, AND ALL O.S.H.A. REQUIREMENTS.
    - THE ARCHITECT, STRUCTURAL ENGINEER, AND THE OWNER DO NOT ACCEPT ANY RESPONSIBILITY FOR THE CONTRACTORS FAILURE TO COMPLY WITH THESE REQUIREMENTS.
    - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATE DESIGN AND CONSTRUCTION OF ALL FORMS. FORMS SHALL ALSO BE ADEQUATELY BRACED AND SHORED.
  - SHORE BEAMS WHERE NECESSARY TO MAINTAIN THE STRUCTURAL INTEGRITY OF THE EXISTING STRUCTURE.
  - NOTIFY THE STRUCTURAL ENGINEER OF ANY DISCREPANCIES BETWEEN THE PLANS AND EXISTING STRUCTURE.
  - CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND LOCATION OF ALL SHORING.

## FOUNDATION NOTES

- BASIS: CBC CHAPTER 18 AND PROJECT SOILS ENGINEERING AND GEOLOGIC HAZARDS REPORT BY EARTH SYSTEMS PACIFIC, FILE NO.: SL16437-SA, DATED MAY 3, 2011.
- ALLOWABLE SOIL BEARING PRESSURE: DEAD LOAD PLUS LIVE LOAD: 1,800 P.S.F.
- UNEXPECTED SOIL CONDITIONS: ALLOWABLE VALUES AND FOUNDATION DESIGN ARE BASED UPON SOIL CONDITIONS SHOWN BY TEST BORINGS. ACTUAL SOIL CONDITIONS WHICH DEViate APPRECIABLY FROM THAT SHOWN IN THE TEST BORINGS SHALL BE REPORTED TO THE PROJECT SOILS ENGINEER IMMEDIATELY.
- SEE SOILS OR FOUNDATION INVESTIGATION FOR COMPACTION, FILL, BACKFILLING, AND SITE PREPARATION REQUIREMENTS AND PROCEDURES.
- EXCAVATE TO REQUIRED DEPTHS AND DIMENSIONS (AS INDICATED IN DRAWINGS AND PROJECT SOILS REPORT), CUT SQUARE AND SMOOTH WITH FIRM LEVEL BOTTOMS. CARE SHALL BE TAKEN NOT TO OVER-EXCAVATE FOUNDATION AT LOWER ELEVATION AND PREVENT DISTURBING OF SOILS AROUND HIGHER ELEVATION.
- FOOTINGS SHALL BE POURED IN NEAT EXCAVATIONS, WITHOUT SIDE FORMS WHENEVER POSSIBLE.
- CARRY ALL FOUNDATIONS TO REQUIRED DEPTHS INTO COMPACTED FILL OR NATURAL SOIL (AS PER STRUCTURAL PLANS AND DETAILS, AND PROJECT SOILS REPORT).
- FOUNDATIONS SHALL NOT BE POURED UNTIL ALL REQUIRED REINFORCING STEEL, SLEEVES, INSERTS, CONDUITS, PIPES, ETC. AND FORMWORK IS PROPERLY PLACED AND INSPECTED BY THE LOCAL BUILDING OFFICIAL/INSPECTOR.
- THE SIDES AND BOTTOMS OF EXCAVATIONS WHICH ARE TO HAVE CONCRETE CONTACT MUST BE MOISTENED SEVERAL TIMES JUST PRIOR TO POURING UPON THEM.
- DE-WATER FOOTINGS, AS REQUIRED, TO MAINTAIN DRY WORKING CONDITIONS.
- ALL FOUNDATION EXCAVATIONS SHALL BE INSPECTED AND APPROVED BY PROJECT SOILS ENGINEER, PRIOR TO FORMING AND PLACEMENT OF REINFORCING OR CONCRETE.

## RETAINING WALL NOTES

- SEE PROJECT SOILS INVESTIGATION (IF PROVIDED) AND SPECIFIC RETAINING WALL DETAILS FOR ADDITIONAL REQUIREMENTS. PROJECT SOILS INVESTIGATION SHALL TAKE PRECEDENCE OVER THESE NOTES AND SPECIFIC RETAINING WALLS DETAILS.
- BEFORE BACKFILLING WALL, A GRANULAR DRAINAGE MATERIAL (SEE NOTE #3) SHALL BE PLACED BEHIND THE WALL IN A CONTINUOUS 12" (MIN.) WIDE STRIP. THE DRAINAGE MATERIAL SHALL EXTEND THE FULL HEIGHT OF WALL UP TO 12" BELOW TOP OF THE HIGHER GRADE.
- GRANULAR DRAINAGE MATERIAL SHALL CONSIST OF GRAVEL OR CRUSHED STONE, AND SHALL BE FREE OF ORGANIC MATERIAL, CLAY OR OTHER DELETERIOUS MATERIAL.
- DRAINAGE AND BACKFILL MATERIAL SHALL NOT BE PLACED UNTIL CONCRETE AND/OR MASONRY HAS REACHED DESIGN STRENGTH.
- BACKFILLING AND COMPACTION:
  - FREE-STANDING WALLS - DO NOT BACKFILL WALL UNTIL 7 DAYS (MIN.) AFTER PLACING OF CONCRETE OR SOLID GROUTING OF WALL IS COMPLETED. BACKFILL MATERIAL SHALL BE PLACED IN CONTINUOUS 12" LIFTS (FOR ENTIRE LENGTH OF WALL) AND COMPACTED WITH LIGHTWEIGHT TAMPERS. DO NOT FRAME WOOD STUD WALLS OR JOIST FORMS, OR POUR CONCRETE SLABS (AT TOP OF RETENTION) UNTIL 7 DAYS (MIN.) AFTER BACKFILLING AND COMPACTION OPERATION IS COMPLETED.
  - TOP-RESTRAINED WALLS (STRUCTURAL CONCRETE SLAB OR WOOD FLOOR ANCHORED AT TOP OF WALL) - WALL SHALL BE SECURELY SHORED AND BRACED PRIOR TO BACKFILLING AND COMPACTION OPERATION IS BEGUN. BACKFILLING AND COMPACTION OPERATIONS MAY BEGIN AFTER WALL HAS REACHED DESIGN STRENGTH AND SHORING COMPLETED. BACKFILL MATERIAL SHALL BE PLACED IN CONTINUOUS 12" LIFTS (FOR ENTIRE LENGTH OF WALL) AND COMPACTED WITH LIGHTWEIGHT TAMPERS. SHORING SHALL REMAIN IN PLACE UNTIL BACKFILLING AND COMPACTION IS COMPLETED AND CONCRETE SLAB (AT TOP OF WALL) HAS REACHED DESIGN STRENGTH OR WOOD FLOOR FRAMING IS COMPLETED AND INSPECTED.
- ALL FOOTINGS SHALL BE POURED AGAINST UNDISTURBED GROUND OR APPROVED (BY SOILS ENGINEER) FILL.
- CONTRACTOR SHALL NOTIFY ARCHITECT OR ENGINEER IF SUPERIMPOSED LOADING OCCURS FROM ADJACENT EXISTING FOUNDATIONS OR OTHER STRUCTURES WITHIN A DISTANCE EQUAL TO THE OVERALL HEIGHT OF THE WALL.
- MAXIMUM UPHILL SLOPE BEHIND WALL (UNLESS OTHERWISE NOTED) SHALL BE 1 (VERTICAL) TO 3 (HORIZONTAL).
- A 4" (MIN.) DIAMETER PERFORATED DRAIN PIPE (WITH PERFORATIONS PLACED DOWNWARD) SHALL BE PLACED AT THE TOP OF THE FOOTING AND COMPLETELY SURROUNDED BY GRANULAR DRAINAGE MATERIAL (SEE NOTE #3). DRAIN PIPE SHALL HAVE A MINIMUM 2% SLOPE TO DAYLIGHT.
- BEFORE GRANULAR DRAINAGE MATERIAL AND BACKFILL IS PLACED, THE ENTIRE BACKSIDE (RETENTION SIDE) OF WALL SHALL BE THOROUGHLY WATERPROOFED.
- A SYNTHETIC PERMEABLE FABRIC SHALL BE INSTALLED BETWEEN GRAVEL DRAINAGE MATERIAL (SEE NOTE #2) AND BACKFILL MATERIAL, TO PREVENT INFILTRATION OF NATIVE SOILS OR BACKFILL MATERIAL INTO DRAINAGE MATERIAL.

## CONCRETE

- ALL CONCRETE SHALL HAVE A MINIMUM ULTIMATE COMPRESSIVE STRENGTH ( $f'_c$ ) OF 3,000 P.S.I. AT 28 DAYS. ALL CONCRETE SHALL BE REGULAR WEIGHT (UNLESS SPECIFICALLY NOTED OTHERWISE).
- ALL CONCRETE WORK SHALL COMPLY WITH CBC CHAPTER 19 AND ACI 318-08 AND LATEST EDITION OF ACI MANUAL OF CONCRETE PRACTICE.
- SPECIAL INSPECTION (AS REQUIRED OR SPECIFIED) SHALL CONFORM TO CBC CHAPTER 17.
- CEMENT SHALL BE PORTLAND CEMENT TYPE I OR II AND SHALL CONFORM TO ASTM C150.
- AGGREGATES SHALL CONFORM TO ASTM C33.
- WATER SHALL CONFORM TO ASTM C1602.
- WHERE NOT SPECIFICALLY DETAILED, THE MINIMUM CONCRETE COVER ON REINFORCING STEEL SHALL BE:
  - CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH OR WEATHER: 3"
  - CONCRETE PLACED AGAINST FORMS, BUT EXPOSED TO EARTH OR WEATHER: 2"
  - SLABS, WALL & JOISTS, NOT EXPOSED TO EARTH OR WEATHER: 1 1/2"
  - BEAMS, GIRDERS & COLUMNS, NOT EXPOSED TO EARTH OR WEATHER: 1 1/2"

## CONCRETE (CONTINUED)

- REINFORCING BARS LARGER THAN #8 ARE NOT PERMITTED UNLESS SPECIFICALLY DETAILED OR NOTED OTHERWISE.
- MINIMUM LAP FOR ALL REINFORCING BARS AT SPLICES: (SPLICES TO BE STAGGERED)

#3, #4-----24"

#6-----36"

#8-----60"

#5-----30"

#7-----53"
- THE MINIMUM RADIUS OF BEND FOR REINFORCING STEEL (MEASURED ON THE INSIDE OF BAR) SHALL BE AS FOLLOWS:

#3-----1 1/2"

#4-----1 1/2"

#5-----1 7/8"

#6-----2 1/4"

#7-----2 5/8"

#8-----3"
- ALL ANCHOR BOLTS USED IN CONCRETE CONSTRUCTION SHALL HAVE A MINIMUM TOTAL EMBEDMENT AS FOLLOWS, U.N.O.:

5/8" DIA OR SMALLER-----7"

3/4" DIA-----8"

7/8" DIA-----9"

1" DIA-----10"
- LOCATION OF ALL CONSTRUCTION JOINTS, OTHER THAN SPECIFIED, SHALL BE APPROVED BY ARCHITECT/ENGINEER PRIOR TO POURING. CONSTRUCTION JOINTS SHALL BE THOROUGHLY AIR AND WATER CLEANED AND HEAVILY ROUGHENED SO AS TO EXPOSE COARSE AGGREGATES. ALL SURFACES TO RECEIVE CONCRETE SHALL BE MAINTAINED CONTINUOUSLY WET AT LEAST THREE HOURS IN ADVANCE OF POURING.
- ALL REINFORCING STEEL, ANCHOR BOLTS, DOWELS, INSERTS AND ANY OTHER HARDWARE TO BE SET IN CONCRETE SHALL BE WELL SECURED IN POSITION PRIOR TO POURING OF CONCRETE.
- ARCHITECT OR ENGINEER AND INSPECTOR SHALL BE NOTIFIED FOR REINFORCING INSPECTION 24 HOURS, MINIMUM, PRIOR TO PLACING ANY CONCRETE.
- CONTRACTOR SHALL OBTAIN APPROVAL FROM ARCHITECT/ENGINEER PRIOR TO PLACING SLEEVES, PIPES, DUCTS, CHASES, CORING AND OPENINGS ON OR THROUGH STRUCTURAL CONCRETE BEAMS, WALLS, FLOORS AND ROOF SLABS, UNLESS SPECIFICALLY DETAILED OR NOTED. ALL PIPES OR CONDUITS PASSING THROUGH CONCRETE MEMBERS SHALL BE SLEEVED WITH STANDARD STEEL PIPES. SEE DETAIL FOR SLEEVE AT FOUNDATION.
- FORMWORK DESIGN AND REMOVAL SHALL CONFORM TO CBC SECTION 1906.
- VIBRATE ALL CONCRETE (INCLUDING SLABS ON GRADE) AS IT IS PLACED, WITH A MECHANICAL VIBRATOR OPERATED BY EXPERIENCED PERSONNEL. THE VIBRATOR SHALL BE USED TO CONSOLIDATE THE CONCRETE, NOT TRANSPORT IT. REINFORCING AND FORMS SHALL NOT BE VIBRATED.
- FORM REMOVAL: REMOVE FORMS IN ACCORDANCE WITH THE FOLLOWING SCHEDULE:

SIDE FORMS OF FOOTINGS: MINIMUM 48 HOURS

EDGE FORMS OF SLAB ON GRADE, STRIP 1: MINIMUM 24 HOURS

WALL/RETAINING WALL FORMS: 72 HOURS & 70% OF DESIGN STRENGTH

COLUMN FORMS: 72 HOURS & 70% OF DESIGN STRENGTH
- CONCRETE SHALL NOT FREE FALL MORE THAN SIX FEET. USE TREMIE, PUMP OR OTHER APPROVED METHODS.
- CONCRETE SHALL BE MAINTAINED IN A MOIST CONDITION FOR A MINIMUM OF 5 DAYS AFTER PLACEMENT.
- CONTRACTOR MAY USE CONCRETE ADMIXTURES AS A CONSTRUCTION MEANS AND METHODS TO EXECUTE "CONTRACT OR CONSTRUCTION DOCUMENTS". USE OF ADMIXTURE IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.
- MIX DESIGNS SHALL BE PREPARED BY AN APPROVED TESTING LABORATORY, SIGNED BY A LICENSED ENGINEER AND SHALL BE SUBMITTED TO THE PROJECT STRUCTURAL ENGINEER OF RECORD FOR APPROVAL.
- ONLY ONE GRADE OF CONCRETE SHALL BE ALLOWED ON PROJECT SITE AT ANY ONE TIME.
- UNLESS SPECIFICALLY DETAILED OR NOTED OTHERWISE, CONSTRUCTION AND CONTROL JOINTS SHALL BE PROVIDED IN ALL CONCRETE SLABS, AND SHALL BE LOCATED SUCH THAT THE AREA WITHIN JOINTS DOES NOT EXCEED 375 SQ. FT., AND IS ROUGHLY SQUARE.
  - FOR ALL STRUCTURAL SLABS (SUSPENDED OR ONGRADE) WHERE ARCHITECTURAL "EXPOSED" CONDITIONS ARE DESIRED, GENERAL CONTRACTOR SHALL PROVIDE CONTROL JOINT LAYOUT FOR REVIEW BY ARCHITECT OR ENGINEER.
- EVERY OPENING (EXCEEDING 24" IN EITHER DIRECTION) SHALL HAVE A MINIMUM OF 2 #5 (U.N.O.) DIRECTLY ADJACENT TO ALL SIDES AS WELL AS TOP AND BOTTOM (UNLESS AT FOUNDATION). REINFORCING BARS SHALL EXTEND A MINIMUM OF 24" PAST EDGE OF OPENING.

5/8" DIA OR SMALLER-----4"

3/4" DIA-----5"

7/8" DIA-----6"
- AT THE END, AS WELL AS TOP, OF WALLS SHALL BE A MINIMUM OF 2 #5 CONTINUOUS (U.N.O.).
- CONCRETE STRENGTH SHALL BE VERIFIED BY STANDARD CYLINDER TESTS (IN ACCORDANCE WITH CBC SECTION 1905) MADE BY AN APPROVED TESTING LABORATORY.
- CONCRETE PLACED DURING FREEZING OR NEAR-FREEZING WEATHER SHALL CONFORM TO CBC SECTION 1903.12.

## CONCRETE BLOCK CONSTRUCTION

- CONCRETE BLOCK UNITS (AS REFERENCED IN CBC CHAPTER 21; MASONRY) SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH ( $f'_m$ ) OF 1,500 P.S.I. ALL CONCRETE BLOCK CONSTRUCTION SHALL BE SOLID GROUTED AND CONFORM TO CBC 2105.2.2.1.
  - A.A.C. (AUTOCURED AERATED CONCRETE) MASONRY UNITS AND CONSTRUCTION ARE NOT ALLOWED.
- CONCRETE BLOCK MASONRY UNITS:
  - CONFORM TO CBC SECTION 2103.1 AND ASTM C90, HOLLOW LOAD BEARING CONCRETE MASONRY UNITS.
  - OPEN-END MASONRY UNITS (SPEED BLOCK) ARE ACCEPTABLE (EXCEPT FOR ARCHITECTUALLY EXPOSED CONDITIONS).
  - MEDIUM-WEIGHT AGGREGATE.
- MORTAR:
  - MORTAR SHALL CONFORM TO CBC SECTION 2103.8, ASTM C270, AND ARTICLES 2.1 AND 2.6A OF TMS 602-08/ACI 530.1-08/ASCE 6-08.
  - MORTAR SHALL BE TYPE "M" OR "S"
  - MORTAR SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 1,800 P.S.I. AT 28 DAYS.
- GROUT:
  - GROUT SHALL CONFORM TO CBC SECTION 2103.12, ASTM C476, AND ARTICLE 2.2 OF TMS 602-08/ACI 530.1-08/ASCE 6-08.
  - GROUT SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 2,000 P.S.I. AT 28 DAYS.
- REQUIREMENTS FOR CONCRETE BLOCK CONSTRUCTION SHALL CONFORM TO THE FOLLOWING:
  - CONCRETE BLOCK CONSTRUCTION SHALL CONFORM TO CBC SECTION 2104 AND TMS 602-08/ACI 530.1-08/ASCE 6-08.
  - EVERY OPENING (EXCEEDING 24" IN EITHER DIRECTION) SHALL HAVE A MINIMUM OF 2 #5 (U.N.O.) DIRECTLY ABOVE, BELOW (UNLESS AT FOUNDATION) AND ADJACENT TO BOTH SIDES. REINFORCING BARS SHALL EXTEND A MINIMUM OF 24" PAST EDGE OF OPENING.
  - AT THE END OF ALL WALLS SHALL BE A MINIMUM OF 2 #5 VERTICAL.
  - AT THE TOP OF ALL WALLS SHALL BE A MINIMUM OF 2 #3 HORIZONTAL.
  - DOWEL CONCRETE BLOCK WALLS AND COLUMNS TO SUPPORTING CONCRETE WITH BARS OF THE SAME SIZE AND SPACING AS VERTICAL. SEE NOTES FOR MINIMUM LENGTH OF SPLICE.
  - BOND SHALL BE PROVIDED BY LAPPING UNITS IN SUCCESSIVE VERTICAL COURSES (RUNNING BOND). STACK BOND OR MECHANICAL ANCHORAGE SHALL NOT BE USED UNLESS SPECIFICALLY NOTED OR DETAILED OTHERWISE.
  - AT THE TIME OF LAYING ALL MASONRY UNITS SHALL BE FREE OF EXCESSIVE DUST AND DIRT.
  - GROUTING OPERATIONS, MAXIMUM GROUT POUR HEIGHT AND USE OF CLEANOUTS SHALL CONFORM TO TMS 602-08/ACI 530.1-08/ASCE 6-08. SPECIFICATIONS ARTICLE 3.5 AND TABLE 7. CLEANOUTS (IF REQUIRED) SHALL BE PROVIDED BY SUITABLE "C" OPENINGS IN THE FACE SHELLS IN THE BOTTOM COURSE OF EACH CELL TO BE GROUTED, OR OTHER APPROVED LOCATIONS (SEE DETAILS PROVIDED). THE CLEANOUTS SHALL BE SEALED AFTER INSPECTION AND BEFORE GROUTING.
  - ALL CELLS SHALL BE FILLED SOLIDLY WITH GROUT. GROUT SHALL BE WORKABLE MIX SUITABLE FOR PUMPING WITHOUT SEGREGATION AND SHALL BE THOROUGHLY MIXED. GROUT SHALL BE PLACED BEFORE INITIAL SET OR HARDENING OCCURS. GROUT SHALL BE CONSOLIDATED BY MECHANICAL VIBRATION DURING PLACING AND RECONSOLIDATED AFTER EXCESS MOISTURE HAS BEEN ABSORBED BUT BEFORE WORKABILITY IS LOST. THE GROUTING OF ANY SECTION OF A WALL SHALL BE COMPLETED IN ONE DAY WITH NO INTERRUPTIONS GREATER THAN ONE HOUR.
  - WHEN THE GROUTING IS STOPPED FOR ONE HOUR OR LONGER, HORIZONTAL CONSTRUCTION JOINTS SHALL BE FORMED BY STOPPING THE POUR OF GROUT APPROXIMATELY 1-1/2" ABOVE OR BELOW A BED JOINT.
  - ALL REINFORCING SHALL BE PLACED AND SECURED PRIOR TO GROUTING. REINFORCEMENT SHALL BE TMS 602-08/ACI 530.1-08/ASCE 6-08, SECTION 1.15.
- REINFORCING BARS LARGER THAN #8 ARE NOT PERMITTED UNLESS SPECIFICALLY DETAILED OR NOTED OTHERWISE.
- SPECIAL INSPECTION (AS REQUIRED OR SPECIFIED) SHALL CONFORM TO CBC CHAPTER 17.
- AT ALL SPLICES IN REINFORCING (STAGGER SPLICES), LAP (MIN.) BARS AS FOLLOWS:

#3 - 16"

#4 - 20"

#5 - 25"

#6 - 30"

#7 - 35"

#8 - 40"
- THE MINIMUM RADIUS OF BEND FOR REINFORCING STEEL (MEASURED ON THE INSIDE OF THE BAR) SHALL BE AS FOLLOWS:

#3 - 1 1/4"

#4 - 1 1/2"

#5 - 1 5/8"

#6 - 2 1/4"

#7 - 2 5/8"

#8 - 3"
- ALL ANCHOR BOLTS USED IN CONCRETE BLOCK CONSTRUCTION SHALL HAVE A MINIMUM TOTAL EMBEDMENT AS FOLLOWS:

5/8" DIA OR SMALLER-----4"

3/4" DIA-----5"

7/8" DIA-----6"
- LOCATION OF ALL CONSTRUCTION/CONTROL JOINTS, OTHER THAN THOSE SPECIFIED, SHALL BE APPROVED BY THE ARCHITECT/ENGINEER PRIOR TO PLACEMENT.
- UNLESS SPECIFICALLY DETAILED OR NOTED OTHERWISE, VERTICAL CONTROL JOINTS SHALL BE PROVIDED IN ALL CONCRETE BLOCK WALLS, AND SPACED AT A DISTANCE APPROXIMATELY EQUAL TO WALL HEIGHT, (BUT NOT GREATER THAN 24' O.C.). CONTROL JOINTS SHALL EXTEND FULL HEIGHT OF WALL. CONTROL JOINTS SHALL NOT BE REQUIRED WHEN WALL LENGTH DOES NOT EXCEED 1.5 TIMES THE WALL HEIGHT.
- CONCRETE BLOCK WALLS (OF ONE STORY OR TALLER) SHALL BE SECURELY BRACED AND SHORED, BY PROJECT CONTRACTOR, DURING ALL PHASES OF CONSTRUCTION.
- WHEN AMBIENT TEMPERATURE FALLS BELOW 40°F, CONSTRUCTION SHALL CONFORM TO CBC SECTION 2104.3
- WHEN AMBIENT TEMPERATURE FALLS EXCEEDS 90°F, CONSTRUCTION SHALL CONFORM TO CBC SECTION 2104.4

## REINFORCING STEEL

- ALL REINFORCING STEEL SHALL BE DEFORMED INTERMEDIATE GRADE BARS CONFORMING TO ASTM A615, GRADE 60 ( $F_y = 60$  K.S.I.) UNLESS OTHERWISE NOTED.
    - GRADE 40 MAY BE USED FOR #4 BARS AND SMALLER.
  - REINFORCING STEEL SHALL NOT BE WELDED, UNLESS SPECIFICALLY NOTED OTHERWISE.
  - WELDING OF REINFORCING STEEL (WHERE SPECIFICALLY NOTED OR DETAILED) SHALL CONFORM TO ACI 318-08, SECTION 3.5.2 AND AWS D1.4. WELDED REBAR SHALL BE LOW-ALLOY STEEL CONFORMING TO ASTM A706.
  - TO HOLD REINFORCING BARS IN THEIR TRUE POSITION AND PREVENT DISPLACEMENT, STANDARD TIE AND ANCHORAGE DEVICES MUST BE PROVIDED. PLACING OF REINFORCEMENT SHALL CONFORM TO CBC SECTION 1907.5.
  - SHOP DRAWINGS FOR FABRICATION OF ANY REINFORCING STEEL SHALL BE APPROVED BY CONTRACTOR AND SUBMITTED TO ARCHITECT OR ENGINEER, FOR HIS REVIEW, PRIOR TO FABRICATION.
  - REFER TO CONCRETE AND CONCRETE BLOCK NOTES FOR MINIMUM SPLICE LENGTH AND MINIMUM RADIUS OF BEND, OF REINFORCING STEEL.
  - STAGGER SPLICES IN REINFORCING STEEL, UNLESS SPECIFICALLY NOTED OTHERWISE.
  - ALL REINFORCING BAR BENDS SHALL BE MADE COLD.
  - FABRICATION, ERECTION AND PLACEMENT OF REINFORCING STEEL SHALL CONFORM TO CONCRETE REINFORCING STEEL INSTITUTE OF STANDARD PRACTICE.
  - ALL WELDED WIRE MESH SHALL CONFORM TO ASTM A185. LAP ALL WIRE MESH TWO MODULES.
  - REINFORCING STEEL SHALL BE CLEAN OF RUST, GREASE OR OTHER MATERIAL LIKELY TO IMPAIR BOND.
  - EPOXY-COATED REINFORCEMENT (WHERE SPECIFICALLY NOTED OR DETAILED) SHALL CONFORM TO ASTM A775.
- ### STRUCTURAL STEEL AND WELDING
- ALL STRUCTURAL STEEL CONSTRUCTION SHALL CONFORM TO AISC 360-05 AND AISC 341-05.
    - FABRICATION OF ALL STRUCTURAL STEEL SHALL BE DONE IN THE SHOP OF AN APPROVED FABRICATOR. INSPECTION AND APPROVAL FOR FABRICATOR'S SHOPS USED FOR FABRICATION OF STRUCTURAL LOAD BEARING MEMBERS, COMPONENTS, MATERIALS OR ASSEMBLIES SHALL CONFORM TO CBC SECTION 1704.2.
  - ALL STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS:
    - ANGLES, CHANNELS, PLATES, BARS, ROUNDS, AND OTHER MISCELLANEOUS SHAPES SHALL CONFORM TO ASTM A-36 AND SHALL HAVE A MINIMUM YIELD STRESS ( $F_y$ ) OF 36 K.S.I.
    - WIDE-FLANGE SHAPES SHALL CONFORM TO ASTM A992 AND SHALL HAVE A MINIMUM YIELD STRESS ( $F_y$ ) OF 50 K.S.I.
    - STEEL PIPE COLUMNS SHALL BE WELDED SEAMLESS PIPE CONFORMING TO ASTM A-53, GRADE B, AND SHALL HAVE A MINIMUM YIELD STRESS ( $F_y$ ) OF 35 K.S.I.
    - STRUCTURAL TUBE COLUMNS SHALL BE ASTM A500 GRADE B, AND SHALL HAVE A MINIMUM YIELD STRESS ( $F_y$ ) OF 46 K.S.I.
  - SPECIAL INSPECTION SHALL BE PROVIDED FOR ALL STRUCTURAL STEEL AND WELDING, IN ACCORDANCE WITH CBC CHAPTER 17.
  - ALL STRUCTURAL STEEL SHALL BE FABRICATED, ERECTED AND WELDING IN ACCORDANCE WITH AISC SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS (AISC 360-05) AND CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGE (AISC 303-05).
  - ALL WELDING SHALL BE DONE BY QUALIFIED AND CERTIFIED WELDERS.
  - NO FIELD WELDING PERMITTED, UNLESS SPECIFICALLY NOTED OTHERWISE.
  - SHOP DRAWINGS FOR THE FABRICATION OF ANY STRUCTURAL STEEL SHALL BE APPROVED BY CONTRACTOR AND SUBMITTED TO ARCHITECT OR ENGINEER FOR HIS REVIEW, PRIOR TO FABRICATION.
  - NO HOLES OTHER THAN THOSE SPECIFICALLY DETAILED SHALL BE ALLOWED THROUGH STRUCTURAL STEEL MEMBERS. BURNING OF HOLES IS NOT PERMITTED.
  - ALL STRUCTURAL STEEL SHALL BE PAINTED ONE SHOP COAT AND FIELD TOUCHED-UP, AS NECESSARY, WITH APPROVED "ZINC RICH" OR OTHER HIGH QUALITY EXTERIOR PRIMER.
  - ALL BOLTS SHALL CONFORM TO ASTM, A-307 (U.N.O.)
  - ALL WELDING SHALL CONFORM TO AWS D1.1 AND D1.8 SPECIFICATIONS FOR WELDING. (E-70XX ELECTRODES).
  - ALL HEADED STUDS (FOR CONCRETE ANCHORAGE) SHALL BE MANUFACTURED BY NELSON OR APPROVED EQUAL.
  - WHERE FILLET WELD SIZE IS NOT INDICATED, USE 'AWS' MINIMUM SIZE BASED ON THE THICKNESS OF THE THINNER PART BEING WELDED, AS SPECIFIED IN AISC SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS (AISC 360-05), SECTION J2.2.
  - ALL BUTT WELDS TO BE FULL PENETRATION, UNLESS SPECIFICALLY NOTED OTHERWISE.
  - WELDER QUALIFICATION REQUIREMENTS, WELDING PROCEDURE AND WELDING ELECTRODES FOR ALL STRUCTURAL STEEL (EXCEPT STRUCTURAL SHEET STEEL, SEE STEEL DECKING) SHALL CONFORM TO CBC SECTIONS 1704.3.1 AND 2204.1.
  - PROVIDE HOT DIP GALVANIZING OR 3" MINIMUM CONCRETE COVER AROUND ALL STRUCTURAL STEEL BELOW GRADE.
  - STRUCTURAL STEEL EMBEDDED INTO CONCRETE OR MASONRY SHALL BE UNPAINTED.

## PROJECT

## SUPERIOR COURT OF CALIFORNIA COUNTY OF SAN JOAQUIN

## MANTECA BRANCH SITE AND BUILDING IMPROVEMENTS

### PHASE 1

CLIENT JOB # ARCHITECT JOB #  
1007



971 OSOS STREET  
SAN LUIS OBISPO  
CALIFORNIA 93401

805-544-6161

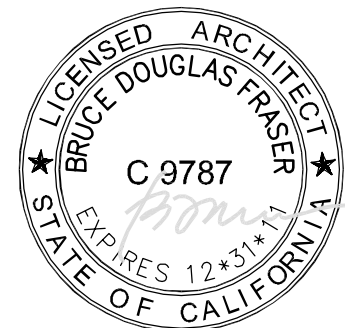
www.fraserseiplearchitects.com

PROJECT MANAGER BDF

DRAWN BY DL

DATES 05/05/11  
06/20/11  
09/01/11

SIGNED



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Written dimensions on these drawings shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and existing conditions on the job and shall report any discrepancies to the architect for resolution prior to commencing work.

SHEET TITLE

## GENERAL STRUCTURAL NOTES

SHEET #

# S1.0



GENERAL STRUCTURAL NOTES (CONTINUED)

- LUMBER/TIMBER**
1. LUMBER GRADES, MINIMUM (U.N.O.): DOUGLAS FIR-LARCH
- 2x STUDS, BLOCKING & PLATES:  
BEARING WALLS #2 OR BETTER  
NON-BEARING WALLS #2 OR BETTER  
2x JOISTS #1 OR BETTER  
4x BEAMS #1 OR BETTER  
6x BEAMS SELECT STRUCTURAL BETTER  
EXPOSED (INT/EXT) #1 OR BETTER  
NON-EXPOSED #2 OR BETTER  
4x POSTS #1 OR BETTER  
6x POSTS
2. FOUNDATION SILL PLATES SHALL BE CALIFORNIA REDWOOD (CLOSE GRAIN) OR PRESERVATIVE-TREATED (SEE CBC SECTION 2303.1.8) DOUGLAS FIR. SEE SHEAR WALL SCHEDULES AND FOUNDATION PLAN FOR ANCHOR BOLT SIZE AND SPACING. SEE FASTENERS NOTE #10 AND CARPENTRY/FRAMING NOTE #6.
3. PLYWOOD SHALL BE STRUCTURAL I WITH EXTERIOR GLUE, AS GRADED BY THE APA. PLYWOOD SHALL CONFORM TO CBC SECTION 2303.1.4 AND UNITED STATES PRODUCT STANDARD PS 1 OR PS 2 (FOR O.S.B.).
4. ALL SAWN LUMBER OR TIMBER SHALL CONFORM TO CBC SECTION 2303.1.1.
5. MAXIMUM MOISTURE CONTENT FOR ALL STRUCTURAL MEMBERS SHALL NOT EXCEED 19% (UNLESS SPECIFICALLY NOTED OTHERWISE).
6. TREAT ENDS OF ALL CUT PRESERVATIVE TREATED LUMBER.

- FASTENERS**
1. NAILING FOR FRAMING SHALL BE WITH 'COMMON' NAILS (U.N.O.).
2. LAG SCREWS SHALL BE SCREWED INTO PREDRILLED HOLES. CLEARANCE HOLE FOR THE SHANK PORTION AND LEAD HOLE FOR THREADED PORTION SHALL BE DRILLED IN ACCORDANCE WITH N.D.S.-65 SECTION 11.1.3.
3. BOLTS (BOLT HEAD AND NUT) SHALL HAVE STANDARD CAST IRON MALLEABLE IRON WASHERS (UNLESS USED WITH METAL SIDE PLATES OR ANGLES).
4. BOLT HOLES THROUGH LUMBER SHALL BE DRILLED 1/16" LARGER THAN BOLT DIAMETER.
5. ALL BOLTS SHALL CONFORM TO ASTM A-307.
6. BOLT TIGHTENING: TAKE UP SNUG AND RETIGHTEN AT THE LATEST PRACTICABLE TIME DURING CONSTRUCTION.
7. NAILS SHALL NOT BE DRIVEN CLOSER THAN 1/2 OF THEIR LENGTH, NOT CLOSER TO THE EDGE OF THE MEMBER THAN 1/4 LENGTH, EXCEPT FOR SHEATHING.
8. SUB-BORE WHEN NAILS TEND TO SPLIT WOOD. SUB-BORE FOR 20d AND LARGER NAILS. DRILL DIAMETER SHALL BE 0.75 TIMES NAIL DIAMETER.
9. PROVIDE 3"x3"x1/4" STEEL PLATE WASHER (AS PER CBC SECTION 2308.12.8) AT ALL SHEAR WALL SILL PLATE ANCHOR BOLTS.
10. FASTENERS IN PRESERVATIVE-TREATED LUMBER SHALL BE STAINLESS STEEL, SILICON BRONZE, COPPER OR HOT-DIP ZINC COATED GALVANIZED STEEL FASTENERS.  
A. ZINC-COATED FASTENERS SHALL CONFORM TO ASTM A153.

- CARPENTRY/FRAMING**
1. CARPENTRY AND FRAMING SHALL CONFORM TO CBC SECTION 2308.  
A. SEE CBC TABLE 2304.9.1 FOR MINIMUM NAILING REQUIREMENTS.
2. METAL FRAMING ANGLES, ANCHORS, CLIPS, STRAPS, TIES, HOLD-DOWNS, ETC. SHALL BE MANUFACTURED BY 'SIMPSON STRONG-TIE CO' OR AN APPROVED (SEE CBC SECTION 1715.1) EQUAL.
3. PLYWOOD USED IN ROOFS, FLOORS AND DECKS, SHALL BE PLACED WITH FACE GRAIN PERPENDICULAR TO SUPPORTS. PLYWOOD SHEETS SHALL BE STAGGERED.
4. FACE NAIL ALL DOUBLE (AND TRIPLE) 2x STUDS AND JOISTS TOGETHER WITH 16d AT 12" O.C., STAGGER NAILS TOP & BOTTOM.
5. PROVIDE 2x SOLID FIRE BLOCKING IN ALL STUD WALLS AT 8'-0" (MAX.) VERTICAL SPACING.
6. UNLESS OTHERWISE NOTED, THE MINIMUM SILL PLATE BOLTING SHALL BE 1/2" DIA. X 10" ANCHOR BOLT AT 6'-0" O.C. THERE SHALL BE A MINIMUM OF TWO BOLTS PER PLATE WITH ONE BOLT WITHIN 8" TO 12" OF EACH END OF PLATE. SEE LUMBER/TIMBER NOTE #2 AND FASTENERS NOTE #10.  
A. AT ALL BUILDINGS OVER 2 STORIES PROVIDE 1/2" DIA X 10" ANCHOR BOLT @ 4'-0" O.C., MINIMUM, U.N.O..
7. INTERIOR NON-BEARING, NON-SHEAR, STUD WALL SILL PLATES MAY BE SECURED TO CONCRETE SLABS WITH 'HILTI' TYPE X-U (WITH 1" MINIMUM EMBEDMENT) SHOT PINS @ 16" O.C. WITH STEEL WASHERS INSTALLATION SHALL CONFORM TO ICC ESR-2268.
8. IN GENERAL, PLYWOOD PANEL EDGES (FOR SHEAR WALLS, ROOFS, FLOORS AND DECKS) SHALL BEAR ON FRAMING MEMBERS (2x MINIMUM) AND BUTT ALONG THEIR CENTER LINES.
9. PLACE BEAMS WITH NATURAL CAMBER UPWARD.
10. PROVIDE CONTINUOUS DOUBLE 2x WALL WIDTH (2x4, MIN) AT TOP OF ALL BEARING WALLS AND 2x WALL WIDTH BOTTOM OR SILL PLATE AT BOTTOM OF WALL. UNLESS OTHERWISE SPECIFICALLY NOTED OR DETAILED SPLICES IN CONTINUOUS DOUBLE 2x TOP PLATES SHALL BE LAPPED 4'-0" (MIN.) WITH 16d AT 3" O.C. (STAGGERED).
11. WHERE WOOD STUD WALLS ABUT CONCRETE OR MASONRY WALLS, THE END STUD (P.T.D.F. OR REDWOOD) SHALL BE BOLTED TO CONCRETE/MASONRY WITH 5/8" DIA. A.B. (WITH EMBEDMENT OF 2/3 WALL THICKNESS) 12" FROM TOP AND BOTTOM OF STUD AND AT 4'-0" O.C.
12. PROVIDE 2x SOLID BLOCKING BETWEEN ALL JOISTS AND RAFTERS AT ALL SUPPORTS AND UNDER ALL PARTITIONS. PROVIDE DOUBLE 2x JOISTS DIRECTLY BELOW ALL INTERIOR PARTITION WHERE FRAMING IS PARALLEL. PROVIDE 2x SOLID BLOCKING (OR APPROVED BRIDGING) AT 8'-0" O.C. BETWEEN 2x12 AND LARGER JOIST AND RAFTERS. BLOCKING SHALL BE FULL DEPTH OF JOISTS AND RAFTERS.
13. NO STRUCTURAL MEMBERS (JOISTS, PLATES, STUDS, BEAMS, COLUMNS, GIRDER, POST, TRUSS, ETC.) SHALL BE NOTCHED, CUT OR DRILLED (EXCEPT FOR THOSE HOLES REQUIRED FOR BOLTING) UNLESS SPECIFICALLY NOTED (SEE NOTE #14 & #15) OR DETAILED OTHERWISE, OR WITH WRITTEN APPROVAL FROM ARCHITECT/ENGINEER.
14. HOLES AND NOTCHES IN JOISTS:  
A. NOTCHING AT THE ENDS OF ROOF OR CEILING JOISTS SHALL NOT EXCEED ONE-FOURTH THE JOIST DEPTH. NOTCHES IN THE TOP & BOTTOM OF JOISTS (2x SAWN LUMBER) SHALL NOT EXCEED ONE SIXTH THE DEPTH AND SHALL NOT BE LOCATED IN THE MIDDLE THIRD OF THE SPAN.  
B. HOLES BORED IN JOISTS SHALL NOT EXCEED ONE THIRD OF JOIST DEPTH AND SHALL BE LOCATED WITHIN MIDDLE 2/3 OF SPAN AND WITHIN THE MIDDLE THIRD OF JOISTS DEPTH (2" MINIMUM CLEAR TOP AND BOTTOM).
15. HOLES AND NOTCHES IN STUDS, PLATES AND SILLS: BORED HOLES MAY BE PLACED IN STUDS, PLATES AND SILLS PROVIDED THEY ARE ACCURATELY CENTERED ABOUT STUD, SPACED A MINIMUM OF 12" APART AND HOLE DIAMETER DOES NOT EXCEED 25% OF STUD WIDTH. STUDS MAY BE NOTCHED PROVIDED NOTCH DEPTH DOES NOT EXCEED 25% OF STUD WIDTH. WHEN BORED HOLE EXCEEDS 25% OF STUD WIDTH, REINFORCE PLATE, SILL OR STUDS AS FOLLOWS:  
A. PLATES: 1-1/2" X 1/8" STRAP EACH SIDE OF PLATE NAILED WITH 8 - 16d NAILS EACH SIDE OF HOLE. HOLES OVER 40% OF THE PLATE WIDTH ARE NOT PERMITTED IN ANY PLATE. ANY PIPE OR CONDUIT REQUIRING A HOLE LARGER THAN 40% OF THE PLATE WIDTH SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.  
B. SILLS: SPLICE IN A MANNER SIMILAR TO PLATES ABOVE, AT HOLES BETWEEN 25% AND 40% OF SILL WIDTH. SILLS MAY BE COMPLETELY CUT ON EACH SIDE OF A PIPE OR CONDUIT PROVIDED AN ADDITIONAL ANCHOR BOLT OR 6 - 16d IS PLACED WITHIN 9" OF THE END OF THE SILL, EACH SIDE OF THE PIPE OR CONDUIT.  
C. STUDS: BLOCK ON EACH SIDE OF STUD WITH BLOCK OF SAME MATERIAL AND DIMENSION AS STUD. EXTEND 2 STUD WIDTHS EACH SIDE OF HOLE AND PROVIDE 3 - 16d NAILS TO STUD EACH SIDE OF HOLE. BORED HOLES GREATER THAN 40%, BUT LESS THAN 80% OF THE WIDTH OF THE STUD ARE PERMITTED, WHERE EACH STUD IS DOUBLED AND NOT MORE THAN TWO SUCCESSIVE DOUBLE STUDS ARE SO BORED AND EACH BORED STUD IS REINFORCED AS ABOVE.  
D. BORED HOLES SHALL NOT BE LOCATED AT THE SAME SECTION OF STUD AS A CUT OR NOTCH.
16. PLYWOOD SHEAR WALLS SHALL BE CONSTRUCTED IN ACCORDANCE WITH CBC SECTION 2306.3. NO OPENINGS ARE ALLOWED IN SHEAR WALLS, UNLESS SPECIFICALLY NOTED OR DETAILED.  
A. PROVIDE 3"x3"x1/4" STEEL PLATE WASHERS AT ANCHOR BOLTS AT ALL SHEAR WALLS.  
B. SEE ALSO FASTENERS NOTE NO. 9
17. FRAMING AROUND FLUES AND CHIMNEYS SHALL CONFORM TO CBC SECTION 2304.5.
18. PIPES IN WALLS SHALL CONFORM TO CBC SECTION 2308.9.8.

- STRUCTURAL 'GLUED-LAMINATED' LUMBER**
1. ALL GLUED-LAMINATED LUMBER OR TIMBER SHALL BE OF THE FOLLOWING:  
A. STANDARD GLUED-LAMINATED BEAMS (G.L.B.) SHALL BE 2400F DOUGLAS FIR, (24F-V8 DFD) INDUSTRIAL APPEARANCE GRADE AND CONFORM TO ASTM D3737 AND AITC 190.1. (24F-V4-D/DF MAY BE USED FOR SIMPLE SPANS AS SPECIFIED ON FRAMING PLANS)  
F<sub>b</sub> = 2,400 P.S.I.  
F<sub>v</sub> = 165 P.S.I.  
F<sub>a</sub> = 450 P.S.I.  
E = 1,800,000 P.S.I.  
B. ROSBORO BIGBEAMS (R.B.B.) SHALL BE 2.1E AND CONFORM TO ANSI A190.1-2:  
F<sub>b</sub> = 3,000 P.S.I. (2,800 P.S.I. FOR 7x BEAMS)  
F<sub>v</sub> = 300 P.S.I.  
F<sub>a</sub> = 650 P.S.I.  
E = 2,100,000 P.S.I.
2. THE MANUFACTURE OF THE GLUED-LAMINATED LUMBER SHALL BE IN ACCORDANCE WITH THE LATEST STANDARD SPECIFICATIONS FOR STRUCTURAL GLUE-LAMINATED TIMBER BY THE AITC
3. AITC INSPECTION CERTIFICATES SHALL BE SUPPLIED TO THE BUILDING OFFICIAL FOR APPROVAL, PRIOR TO INSTALLATION.
4. BEAMS SHALL BE END SEALED AGAINST THE ELEMENTS/WEATHER AND LOAD WRAPPED FOR PROTECTION DURING SHIPMENT.
5. THE BEAMS SHALL HAVE STANDARD CAMBER UNLESS SPECIFICALLY CALLED OUT OTHERWISE ON DRAWINGS.
6. SHOP DRAWINGS FOR THE FABRICATION OF GLUE-LAMINATED TIMBER, SHALL BE APPROVED BY CONTRACTOR AND SUBMITTED TO THE ARCHITECT/ENGINEER FOR HIS REVIEW, PRIOR TO INSTALLATION.
7. GLUED-LAMINATED BEAMS SHALL NOT BE NOTCHED, OR HAVE HOLES DRILLED THROUGH UNLESS SPECIFICALLY NOTED OTHERWISE.
8. INSPECTION AND APPROVAL FOR FABRICATOR'S SHOPS USED FOR FABRICATION OF STRUCTURAL LOAD BEARING MEMBERS, COMPONENTS, MATERIALS OR ASSEMBLIES SHALL CONFORM TO CBC SECTION 1704.2.  
A. LABELING (AS REQUIRED OR SPECIFIED) SHALL BE PROVIDED IN ACCORDANCE WITH CBC SECTION 1703.5.  
B. EVALUATION AND FOLLOW-UP INSPECTION SERVICES (AS REQUIRED OR SPECIFIED), SHALL CONFORM TO CBC SECTION 1703.6.

**'REDBUILT' STRUCTURAL COMPOSITE LUMBER AND PLYWOOD WEB TRUSSES**

1. ALL STRUCTURAL COMPOSITE LUMBER OR TIMBER SHALL BE OF THE FOLLOWING:  
A. STANDARD LAMINATED VENEER LUMBER (LVL) MATERIAL SHALL CONFORM TO ASTM D5456:  
F<sub>b</sub> = 2,900 P.S.I.  
F<sub>v</sub> = 285 P.S.I.  
F<sub>a</sub> = 750 P.S.I.  
E = 2,000,000 P.S.I.
2. STANDARD LVL MATERIAL SHALL BE 'REDLAM LAMINATED VENEER LUMBER' AS MANUFACTURED BY REDBUILT (ICC ESR-2993).
3. BEAMS SHALL BE END SEALED AGAINST THE ELEMENTS/WEATHER AND LOAD WRAPPED FOR PROTECTION DURING SHIPMENT
4. BEAMS SHALL HAVE STANDARD CAMBER UNLESS SPECIFICALLY CALLED OUT OTHERWISE ON DRAWINGS.
5. BEAMS SHALL NOT BE NOTCHED, OR HAVE HOLES DRILLED THROUGH UNLESS SPECIFICALLY NOTED OTHERWISE.
6. ALL PREFABRICATED PLYWOOD WEB TRUSSES (I-JOISTS) SHALL CONFORM TO ASTM D5055.  
A. PLYWOOD WEB TRUSSES SHALL BE 'RED-I' JOISTS AS MANUFACTURED BY REDBUILT (ICC ESR-2993 AND ESR-2994)
7. EACH TRUSS SHALL BE LEGIBLY BRANDED, MARKED OR OTHERWISE HAVE PERMANENTLY AFFIXED THERETO THE FOLLOWING INFORMATION LOCATED WITHIN 2 FEET OF THE CENTER OF THE SPAN ON THE FACE OF THE BOTTOM CHORD:  
A. IDENTITY OF THE COMPANY MANUFACTURING THE TRUSS.  
B. THE DESIGN LOAD.  
C. THE SPACING OF THE TRUSSES.
8. PRIOR TO FABRICATION OF TRUSSES, CONTRACTOR SHALL SUBMIT TRUSS DESIGN, CALCULATIONS AND DETAILS (AS PROVIDED BY TRUSS MANUFACTURER) TO ARCHITECT/ENGINEER FOR HIS REVIEW, AND TO THE LOCAL BUILDING DEPARTMENT FOR THEIR APPROVAL.
9. TRUSSES SHALL BEAR ON 'BEARING WALLS' ONLY.
10. INTERIOR NON-BEARING WALLS' SHALL BE ISOLATED FROM VERTICAL TRUSS LOADS.
11. TRUSSES SHALL BE BLOCKED AS PER MANUFACTURER'S RECOMMENDATIONS IN ADDITION TO:  
A. ALL BEARING POINTS  
B. RIDGE
12. TRUSSES SHALL BE INSTALLED WITH ALL BEARING HARDWARE, BRIDGING, BLOCKING, BRACING, PRE-NOTCHED BEARING PLATES OR BEVELED BEARING PLATES AS PER MANUFACTURER'S RECOMMENDATIONS AND THESE DRAWINGS. THE PRECEDING ITEMS SHALL BE INSTALLED PRIOR TO ANY TRUSS LOADING.
13. IF TRUSSES ARE TO BE STORED PRIOR TO ERECTION, THEY SHALL BE STORED IN A VERTICAL POSITION AND PROTECTED FROM THE WEATHER.
14. TEMPORARY CONSTRUCTION LOADS SHALL NOT BE PLACED ON TRUSSES UNTIL TRUSSES ARE SECURED AND ALL ERECTION HARDWARE (BLOCKING, BRIDGING, BRACING, BEARING HARDWARE, ETC.) HAS BEEN PLACED. TEMPORARY CONSTRUCTION LOADS SHALL NOT EXCEED ROOF LIVE LOAD.
15. IF ERECTION BRACING IS SPECIFIED, THEN BRACING SHALL REMAIN IN PLACE UNTIL FLOOR/ROOF SHEATHING IS PLACED AND NAILED (OR FASTENED).
16. PROVIDE FLOOR TRUSS (OR 2x BLOCKING @ 2' O.C.) BELOW ALL INTERIOR WALLS, UNLESS OTHERWISE NOTED OR DETAILED.
17. TRUSS DESIGN CRITERIA:  
ROOF: DEAD LOAD = 16 P.S.F.  
LIVE LOAD = 20 P.S.F.  
FLAT ROOF = 20 P.S.F.  
ROOF SLOPE EQUAL TO OR GREATER THAN 4/12 = 20 P.S.F.  
DEFLECTION = L/240, DEAD PLUS LIVE LOAD
18. INSPECTION AND APPROVAL FOR FABRICATOR'S SHOPS USED FOR FABRICATION OF STRUCTURAL LOAD BEARING MEMBERS, COMPONENTS, MATERIALS OR ASSEMBLIES SHALL CONFORM TO CBC SECTION 1704.2.  
A. LABELING (AS REQUIRED OR SPECIFIED) SHALL BE PROVIDED IN ACCORDANCE WITH CBC SECTION 1703.5.  
B. EVALUATION AND FOLLOW-UP INSPECTION SERVICES (AS REQUIRED OR SPECIFIED), SHALL CONFORM TO CBC SECTION 1703.6.

- OPEN WEB TRUSSES**
1. OPEN WEB TRUSSES SHALL BE MANUFACTURED BY REDBUILT (ICC ESR-1774), OR APPROVED EQUAL.  
A. INSPECTION AND APPROVAL FOR FABRICATOR'S SHOPS USED FOR FABRICATION OF STRUCTURAL LOAD BEARING MEMBERS, COMPONENTS, MATERIALS OR ASSEMBLIES SHALL CONFORM TO CBC SECTION 1704.2.
2. EACH TRUSS SHALL BE LEGIBLY BRANDED, MARKED OR OTHERWISE HAVE PERMANENTLY AFFIXED THERETO THE FOLLOWING INFORMATION LOCATED WITHIN 2 FEET OF THE CENTER OF THE SPAN ON THE FACE OF THE BOTTOM CHORD:  
A. IDENTITY OF THE COMPANY MANUFACTURING THE TRUSS.  
B. THE DESIGN LOAD.  
C. THE SPACING OF THE TRUSSES.
3. PRIOR TO FABRICATION OF TRUSSES, CONTRACTOR SHALL SUBMIT TRUSS DESIGN, CALCULATIONS AND DETAILS (AS PROVIDED BY TRUSS MANUFACTURER) TO ARCHITECT/ENGINEER FOR HIS REVIEW AND TO THE LOCAL BUILDING DEPARTMENT FOR THEIR APPROVAL.
4. TRUSSES SHALL BEAR ON 'BEARING WALLS' ONLY.  
A. INTERIOR NON-BEARING WALLS' SHALL BE ISOLATED FROM VERTICAL TRUSS LOADS.
5. TRUSSES SHALL BE BLOCKED AS PER MANUFACTURER'S RECOMMENDATIONS IN ADDITION TO:  
A. ALL BEARING POINTS.  
B. RIDGE.
6. TRUSSES SHALL BE INSTALLED WITH ALL BEARING HARDWARE, BRIDGING, BLOCKING, BRACING, PRE-NOTCHED BEARING PLATES OR BEVELED BEARING PLATES AS PER MANUFACTURER'S RECOMMENDATIONS AND THESE DRAWINGS. THE PRECEDING ITEMS SHALL BE INSTALLED PRIOR TO ANY TRUSS LOADING.
7. SEE TRUSS PROFILES (AS PROVIDED).
8. IF TRUSSES ARE TO BE STORED PRIOR TO ERECTION, THEY SHALL BE STORED IN A VERTICAL POSITION AND PROTECTED FROM THE WEATHER.
9. TEMPORARY CONSTRUCTION LOADS SHALL NOT BE PLACED ON TRUSSES UNTIL TRUSSES ARE SECURED AND ALL ERECTION HARDWARE (BLOCKING, BRIDGING, BRACING, BEARING HARDWARE, ETC.) HAS BEEN PLACED. TEMPORARY CONSTRUCTION LOADS SHALL NOT EXCEED ROOF LIVE LOAD.
10. IF ERECTION BRACING IS SPECIFIED, THEN BRACING SHALL REMAIN IN PLACE UNTIL FLOOR/ROOF SHEATHING IS PLACED AND NAILED (OR FASTENED).
11. TRUSS DESIGN CRITERIA:  
ROOF: DEAD LOAD = 16 P.S.F.  
LIVE LOAD = 20 P.S.F.  
FLAT ROOF = 20 P.S.F.  
ROOF SLOPE EQUAL TO OR GREATER THAN 4/12 = 20 P.S.F.  
DEFLECTION = L/240, DEAD PLUS LIVE LOAD

**STRUCTURAL DESIGN VALUES**

WIND DESIGN DATA	VALUE
BASIC WIND SPEED (3-SEC GUST)	85 MPH
WIND IMPORTANCE FACTOR	I = 1.15
WIND EXPOSURE(S)	B
APPLICABLE INTERNAL PRESSURE COEFFICIENT	.18
EARTHQUAKE DESIGN DATA	VALUE
SEISMIC IMPORTANCE FACTOR	I = 1.25
OCCUPANCY CATEGORY	III
MAPPED SPECTRAL RESPONSE ACCELERATIONS	S <sub>1</sub> = .905 S <sub>0.1</sub> = .311
SITE CLASS	D
SPECTRAL RESPONSE COEFFICIENTS	S <sub>0.2</sub> = 0.69 S <sub>0.1</sub> = 0.37
SEISMIC DESIGN CATEGORY	D
BASIC SEISMIC - FORCE RESISTING SYSTEM(S)	13. LIGHT-FRAMED WALLS SHEATHED WITH PLYWOOD
DESIGN BASE SHEAR	V <sub>16</sub> = 47.8K V <sub>ev</sub> = 39.2K
SEISMIC RESPONSE COEFFICIENT(S)	C <sub>s</sub> = .133 / .173
RESPONSE MODIFICATIONS FACTOR(S)	R = 6.5 / 5.0
ANALYSIS PROCEDURE USED	EQUIVALENT LATERAL FORCE PROCEDURE (ASCE 7 12.8)
LIVE LOAD DATA	VALUE
ROOF LIVE LOAD	20 psf

ABBREVIATIONS

@ A.B. ABV. ACI ASC	AT ANCHOR BOLT ABOVE AMERICAN CONCRETE INSTITUTE AMERICAN INSTITUTE OF STEEL CONSTRUCTION AMERICAN INSTITUTE OF TIMBER CONSTRUCTION ALUMINUM ARCHITECT OF RECORD AMERICAN PLYWOOD ASSOCIATION ANTHONY POWER BEAM APPROXIMATELY ARCHITECT, ARCHITECTURE AMERICAN SOCIETY OF TESTING AND MATERIALS ALL THREAD ROD AMERICAN WELDING SOCIETY ALASKAN YELLOW CEDAR	I.B.C. I.C.C. I.D. IN. INT.	INTERNATIONAL BUILDING CODE INTERNATIONAL CODE COUNCIL INSIDE DIAMETER INCH, INCHES INTERIOR
ATC	LL LIVE LOAD L.L. LWT. L.S.L. L.V.L.	JST., JSTS.	JOIST, JOISTS
ALUM. A.O.R. APA A.P.B. APPROX.	ARCHITECT OF RECORD AMERICAN PLYWOOD ASSOCIATION ANTHONY POWER BEAM APPROXIMATELY ARCHITECT, ARCHITECTURE AMERICAN SOCIETY OF TESTING AND MATERIALS ALL THREAD ROD AMERICAN WELDING SOCIETY ALASKAN YELLOW CEDAR	MAX. M.B. M.B.M. MECH. MFR. MIN. M.L. MTD. MTL.	MAXIMUM MACHINE BOLT METAL BUILDING MANUFACTURER MECHANICAL MANUFACTURED MINIMUM MICRO-LAM BEAM MOUNTED METAL
ATR AWS A.Y.C.	CANTILEVER CALIFORNIA BUILDING CODE CONTROL JOINT COMPLETE JOINT PENETRATION CENTERLINE CEILING CLEAR CONCRETE MASONRY UNIT COLUMN CONC. CONCRETE CONCRETE BLOCK CONNECTION CONSTRUCTION CONTINUOUS CORNER OF STUD	(N) N.T.S.	NEW NOT TO SCALE
BLDG. BLK. BLKG. BIM. BMS. B.O. BOT. BRG. BT. BTR.	BUILDING BLOCK BLOCKED BLOCKING BEAM BEAMS BOTTOM OF BOTTOM BEARING BETWEEN BETTER	O.A. O.C. O.D. O.S.B. OSHPD	OVERALL ON CENTER OUTSIDE DIAMETER ORIENTED STRAND BOARD OFFICE OF STATE HEALTH PLANNING AND DEVELOPMENT
CAC CANT. CBC C.J. C.J.P. C.I. CLG. CLR. C.M.U. COL. CONC. CONC. BLK. CONN. CONST. CONT. C.O.S.	CALIFORNIA ADMINISTRATIVE CODE CANTILEVER CALIFORNIA BUILDING CODE CONTROL JOINT COMPLETE JOINT PENETRATION CENTERLINE CEILING CLEAR CONCRETE MASONRY UNIT COLUMN CONC. CONCRETE CONCRETE BLOCK CONNECTION CONSTRUCTION CONTINUOUS CORNER OF STUD	PEN. PL. PLYWD. P.J.P. P.O.C. P.S.I. MTD. P.T.D.F. P.W.	PENETRATION PLATE PLYWOOD PARTIAL JOINT PENETRATION P.O.C. POUNDS PER SQUARE INCH PARALLEL STRAND LUMBER (PARALAM) PRESSURE TREATED DOUGLAS FIR PUDDLE WELD
Ø DBL. DCW DET. DEMO DF. DIAG. D.L. D.S.A. DWGS.	DIAMETER PENNY DOUBLE DEMAND CRITICAL WELD DETAIL DEMOLITION DOUGLAS FIR DIAGONAL DEAD LOAD DIVISION OF STATE ARCHITECT DRAWINGS	RBB RBS REDWOOD REBAR REINF. RET. REQD	ROSBORO BIGBEAM REDUCED BEAM SECTION REDWOOD REINFORCING BAR REINFORCEMENT RETAINING REQUIRED
EA. ELEC. ELEV. EMBED. E.N. E.O.R. EQUIP. E.S. E.S.R. E.W. EXIST., (E) EXT.	EACH ELECTRIC, ELECTRICAL ELEVATION EMBEDDED, EMBEDMENT EDGE NAILING ENGINEER OF RECORD EQUIPMENT EXTRA STRONG ENGINEERING SERVICE REPORT EACH WAY EXISTING EXTERIOR	S.F. SHT. SHTG SIM. SIM. (SIM) SLRS SQ. S.S. STAGGDD STAND. STD. STL. S.W. SW SSW	SQUARE FEET SHEET SHEATHING SIMILAR SEISMIC LOAD RESISTING SYSTEM SQUARE SELECT STRUCTURAL STAGGERED STANDARD STEEL SLOT WELD STRONG WALL STEEL STRONG WALL
FAB. FDN. FOUND. F.F. FLR. F.L.R. F.O. F.O.C. F.O.C.B. F.O.S. F.P. FRMG. FT. FTG.	FABRICATED FOUNDATION FINISH FLOOR FLOOR FACE OF FACE OF CONCRETE FACE OF CONCRETE BLOCK FACE OF STUD FULL PENETRATION FRAMING FOOT, FEET FOOTING	T&G T.O. T.O.C. T.O.F. T.O.S. T.O.W. T.S. TYP. (TYP)	TONGUE AND GROOVE TOP OF TOP OF CONCRETE TOP OF FOOTING TOP OF SLAB TOP OF WALL TUBE SECTION TYPICAL
GA. G.L.B. GYP. BD.	GAUGE GLU-LAMINATED BEAM GYPSUM BOARD	UNBLKD. U.O.N. U.N.O. U.R.M.	UNBLOCKED UNLESS OTHERWISE NOTED UNREINFORCED MASONRY
HDR. HD. HOR., HORIZ. H.S.B. H.S.S. HT.	HEADER HOLD-DOWN HORIZONTAL HIGH STRENGTH BOLT HOLLOW STEEL SECTION HEIGHT	VERT. V.I.F. w/ WD. W.S.M.F. WSS WT. W.W.M.	VERTICAL VERIFY IN FIELD WITH WOOD WELDED STEEL MOMENT FRAME WELDED STEEL STUD WEIGHT WELDED WIRE MESH

PROJECT

SUPERIOR COURT  
OF CALIFORNIA  
COUNTY OF SAN JOAQUIN

MANTECA BRANCH  
SITE AND BUILDING  
IMPROVEMENTS

PHASE 1

CLIENT JOB # ARCHITECT JOB #  
1007



971 OSOS STREET  
SAN LUIS OBISPO  
CALIFORNIA 93401

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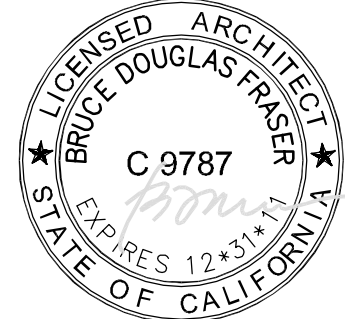
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PROJECT MANAGER BDF

DRAWN BY DL

DATES 05/05/11  
06/20/11  
09/01/11

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SHEET TITLE

GENERAL  
STRUCTURAL  
NOTES,  
ABBREVIATIONS

SHEET #

S1.1

\\John\Maneca Courthouse 1007\Drawings\Sheets\Phase 1\S1.0 - Structural Notes.dwg, 8/26/2011 2:42:40 PM, PDF995

# SHEARWALL SCHEDULE

SYMBOL	SHEATHING (2)	NAILING (1)	SILL PLATE CONNECTION	HOLDOWN ANCHOR (5)
A	1/2" PLYWOOD (1)	10d @ 6 / 6 / 12" O.C.	5/8"Ø (14) @48" O.C. (3)	_____
B	1/2" PLYWOOD (1)	10d @ 4 / 4 / 12" O.C.	5/8"Ø (14) @32" O.C. (3)	_____
SHEARWALL SCHEDULE NOTES:				
1. "COMMON" TYPE NAILS.				
A. FASTENERS IN PRESERVATIVE-TRATED LUMBER SHALL BE STAINLESS STEEL, SILICON BRNZE, COPPER OR HOT DIP ZINC COATED GALVANIZED STEEL FASTENERS.				
B. ZINC-COATED FASTENERS SHALL CONFORM TO A.S.T.M. A153.				
2. STRUCTURAL 1 DOUGLAS FIR-LARCH PLYWOOD WITH ALL EDGES BLOCKED.				
3. 2x P.T.D.F. SILL PLATE, MINIMUM TWO ANCHOR BOLTS PER PLATE WITH ONE ANCHOR BOLT 6" TO 12" FROM EACH END OF PLATE. PROVIDE 3"x3"x1/4" PLATE WASHERS AT ALL ANCHOR BOLTS.				
4. 3x P.T.D.F. SILL PLATE MINIMUM TWO ANCHOR BOLTS PER PLATE WITH ONE ANCHOR BOLT 6" TO 12" FROM EACH END OF PLATE. PROVIDE 3"x3"x1/4" PLATE WASHERS AT ALL ANCHOR BOLTS.				
5. "SIMPSON STRONG TIE" OR APPROVED EQUAL.				
6. SPACED EVENLY.				
7. ALL EDGES BLOCKED.				
8. SHEATHING SHALL BE CONTINUOUS ENTIRE HEIGHT OF WALL (FLOOR TO FLOOR, OR FLOOR TO ROOF).				
9. CONTINUE SHEATHING (AND NAILING) OVER SIDE OF HEADER OR BEAM DIRECTLY ABOVE SHEAR WALL.				
10. CONTINUE SHEATHING (AND NAILING) OVER SIDE OF POST AT END OF SHEAR WALL.				
11. 3x (MINIMUM) STUDS AND BLOCKING AT ALL ABUTTING PANEL EDGES. STAGGER NAILING AT ALL ADJOINING PANEL EDGES.				
12. PLYWOOD BOTH SIDES: PANEL JOINTS SHALL BE OFFSET TO FALL ON DIFFERENT FRAMING MEMBERS OR FRAMING SHALL BE 3x (MINIMUM). NAILS SHALL BE STAGGERED ON EACH SIDE.				
13. STAGGER NAILING AT SILL / BOTTOM PLATE.				
14. HILTI KWIK BOLT TZ				
A. 3 5/8" EMBED				
B. ICC - ESR 1917				
C. SEE SPECIAL INSPECTION NOTES, SHEET S1.2				

# SPECIAL INSPECTIONS

## A. SPECIAL INSPECTION GENERAL NOTES

- ALL SPECIAL INSPECTION SHALL BE PROVIDED IN ACCORDANCE WITH CBC SECTION 1704 AND 1705.
- WHERE SPECIAL INSPECTION IS REQUIRED, ALL INSPECTION OR TESTING SHALL BE PROVIDED BY AN "APPROVED AGENCY" IN ACCORDANCE WITH CBC SECTION 1702.1, 1703.1 AND 1704.1
- SPECIAL INSPECTORS SHALL KEEP RECORDS OF INSPECTIONS. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, AND TO THE ARCHITECT OR ENGINEER. REPORTS SHALL INDICATE THAT WORK INSPECTED WAS DONE IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL, AND TO THE ARCHITECT OR ENGINEER PRIOR TO THE COMPLETION OF THAT PHASE OF WORK. A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED AT A POINT IN TIME AGREED UPON BY THE PERMIT APPLICANT AND THE BUILDING OFFICIAL PRIOR TO THE START OF WORK.
- SPECIAL INSPECTORS SHALL BE APPROVED BY LOCAL BUILDING OFFICIAL IN ACCORDANCE WITH CBC SECTION 1704.1
- SEE ARCHITECTURAL DRAWINGS FOR SPRAYED FIRE-RESISTANT REQUIREMENTS.  
A. SPECIAL INSPECTION MAY BE REQUIRED IN ACCORDANCE WITH CBC SECTION 1704.12 AND 1704.13  
B. SPECIAL INSPECTION MAY BE REQUIRED FOR SMOKE CONTROL SYSTEMS IN ACCORDANCE WITH CBC 1704.16
- SEE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR SPECIAL INSPECTION REQUIREMENTS.  
A. SPECIAL INSPECTION MAY BE REQUIRED IN ACCORDANCE WITH CBC SECTION 1707.7 AND 1708.4  
B. SPECIAL INSPECTION MAY BE REQUIRED FOR SMOKE CONTROL SYSTEMS IN ACCORDANCE WITH CBC 1704.16
- SEE PROJECT SOILS REPORT FOR ALL SPECIAL INSPECTION REQUIREMENTS FOR EXISTING SOILS CONDITIONS, FILL PLACEMENT AND LOAD-BEARING REQUIREMENTS.  
A. SPECIAL INSPECTION MAY BE REQUIRED IN ACCORDANCE WITH CBC SECTION 1704.7, 1704.8, 1704.9, 1704.10 AND 1704.11
- SEE ARCHITECTURAL DRAWINGS FOR SPECIAL INSPECTION FOR EXTERIOR INSULATION AND FINISH SYSTEMS (EIFS), STORAGE RACKS AND ACCESS FLOORS, AND ARCHITECTURAL COMPONENTS.  
A. SPECIAL INSPECTION MAY BE REQUIRED IN ACCORDANCE WITH CBC SECTION 1704.14, 1707.5 AND 1707.6
- LOCAL BUILDING OFFICIALS MAY REQUIRE SPECIAL INSPECTION FOR "SPECIAL CASES" IN ACCORDANCE WITH CBC SECTION 1704.15
- CONTRACTOR'S RESPONSIBILITY: EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A MAIN SEISMIC-FORCE-RESISTING SYSTEM, DESIGNATED SEISMIC SYSTEM OR A SEISMIC-RESISTING COMPONENT LISTED IN THE STATEMENT OF SPECIAL INSPECTION SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND THE OWNER PRIOR TO THE COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL CONTAIN THE FOLLOWING:  
A. ACKNOWLEDGEMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS;  
B. ACKNOWLEDGEMENT THAT CONTROL WILL BE EXERCISED TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS APPROVED BY THE BUILDING OFFICIAL;  
C. PROCEDURES FOR EXERCISED CONTROL WITHIN THE CONTRACTOR'S ORGANIZATION, THE METHOD AND FREQUENCY OF REPORTING AND THE DISTRIBUTION OF THE REPORTS; AND  
D. IDENTIFICATION AND QUALIFICATIONS OF THE PERSON(S) EXERCISING SUCH CONTROL AND THEIR POSITION(S) IN THE ORGANIZATION.
- SPECIAL INSPECTION MAY BE REQUIRED FOR INSTALLATION OF ANCHORS INTO HARDENED CONCRETE, AS PER APPROVED I.C.C. REPORT.

## B. CONCRETE CONSTRUCTION <sup>(1)(2)</sup>

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REMARKS
1. INSPECTION OF REINFORCING STEEL PLACEMENT.		×	SEE NOTE (2)
2. INSPECT BOLTS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED.	×		SEE CBC SECTION 1911.5
3. VERIFYING USE OF REQUIRED DESIGN MIX.		×	
4. AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTROL TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	×		SEE NOTE (4)
5. INSPECTION OF CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	×		
6. INSPECTION FOR MAINTENANCE OF CURING, TEMPERATURE & TECHNIQUES.		×	SEE NOTE (5)
7. VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.		×	
8. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.		×	

- NOTES:
- SEE CBC SECTION 1704.4 AND TABLE 1704.4
  - SEE CBC SECTION 1708.2 FOR SHEARWALL BOUNDARY REINFORCEMENT REQUIREMENTS.
  - SPECIAL INSPECTION NOT REQUIRED FOR 3 STORY OR LESS BLDG. SUPPORTED BY ROCK OR EARTH FOR THE FOLLOWING:  
A. ISOLATED SPREAD FOOTINGS.  
B. CONTINUOUS CONCRETE FOOTINGS.  
C. NONSTRUCTURAL CONCRETE SLAB ON GRADE.
  - TEST CYLINDERS/SPECIMENS  
A. CONCRETE STRENGTH SHALL BE VERIFIED BY STANDARD CYLINDER TESTS (IN ACCORDANCE WITH CBC SECTION 1905) MADE BY AN APPROVED TESTING LABORATORY. CONTRACTOR SHALL MAINTAIN COPIES OF TEST REPORTS AT JOB SITE AND AVAILABLE FOR REVIEW AND INSPECTION BY BUILDING OFFICIALS. MAKE 3. MINIMUM TEST CYLINDERS FOR EACH DAY'S POUR. TEST EACH BATCH OF CYLINDERS AS FOLLOWS: 1 AT 7 DAYS, AND 2 AT 28 DAYS.  
B. SEE ALSO REQUIREMENTS A.C.I. SECTION 5.6.
  - SEE A.C.I. 5.11 THRU 5.13

## C. MASONRY CONSTRUCTION <sup>(1)(2)</sup>

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REMARKS
1. AS MASONRY CONSTRUCTION BEGINS, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE: A. PROPORTIONS OF SITE-PREPARED MORTAR. B. CONSTRUCTION OF MORTAR JOINTS. C. LOCATION OF REINFORCEMENT, CONNECTORS AND ANCHORAGES.		×	
2. THE INSPECTION PROGRAM SHALL VERIFY: A. SIZE AND LOCATION OF STRUCTURAL ELEMENTS. B. TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES OR OTHER CONSTRUCTION. C. SPECIFIED SIZE, GRADE AND TYPE OF REINFORCEMENT. D. WELDING OF REINFORCING BARS. E. PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURES BELOW 40°F) OR HOT WEATHER (TEMPERATURE ABOVE 90°F).		×	
3. PRIOR TO GROUTING, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE: A. GROUT SPACE IS CLEAN. B. PLACEMENT OF REINFORCEMENT AND CONNECTORS. C. PROPORTIONS OF SITE-PREPARED GROUT. D. CONSTRUCTION OF MORTAR JOINTS.		×	
4. GROUT PLACEMENT SHALL BE VERIFIED TO ENSURE COMPLIANCE WITH CODE AND CONSTRUCTION DOCUMENT PROVISIONS.	×		
5. PREPARATION OF ANY REQUIRED GROUT SPECIMENS, MORTAR SPECIMENS AND/OR PRISMS SHALL BE OBSERVED.	×		
6. COMPLIANCE WITH REQUIRED INSPECTION PROVISIONS OF THE CONSTRUCTION DOCUMENTS AND THE APPROVED SUBMITTALS SHALL BE VERIFIED.		×	

- NOTES:
- SEE CBC SECTION 1704.5 AND 1708.1
  - SEE TABLE 1704.5.1 AND 1704.5.3

## D. STEEL CONSTRUCTION <sup>(1)(2)</sup>

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REMARKS
HIGH STRENGTH BOLTING			
1. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN APPROVED CONSTRUCTION DOCUMENTS.		×	
2. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.		×	
3. INSPECTION OF HIGH STRENGTH BOLTING: -BEARING-TYPE CONNECTION.		×	SEE CBC SECTION 1704.3.3
4. INSPECTION OF HIGH STRENGTH BOLTING: -SLIP CRITICAL CONNECTION.	×	×	SEE CBC SECTION 1704.3.3
WELDING - STRUCTURAL STEEL (3)			
5. COMPLETE AND PARTIAL PENETRATED GROOVE WELDS.	×		
6. MULTIPASS FILLET WELDS.	×		
7. SINGLE-PASS FILLET $\geq \frac{5}{16}$ "	×		
8. SINGLE-PASS FILLET $\leq \frac{5}{16}$ "		×	
9. FLOOR AND ROOF DECKS.		×	

- NOTES:
- SEE CBC SECTION 1704.3 AND 1707.2
  - SEE CBC TABLE 1707.3
  - EXCEPTION FOR WELDING: THE SPECIAL INSPECTOR NEED NOT BE CONTINUOUSLY PRESENT DURING WELDING OF THE FOLLOWING ITEMS, PROVIDED THE MATERIALS, WELDING PROCEDURES AND QUALIFICATIONS OF WELDERS ARE VERIFIED PRIOR TO THE START OF THE WORK; PERIODIC INSPECTIONS ARE MADE OF THE WORK IN PROGRESS; AND A VISUAL INSPECTION OF ALL WELDS IS MADE PRIOR TO COMPLETION OR PRIOR TO SHIPMENT OF SHOP WELDING.  
A. SINGLE-PASS FILLET WELDS NOT EXCEEDING  $\frac{3}{4}$ " IN SIZE.  
B. FLOOR AND ROOF DECK WELDING.  
C. WELDED STUDS WHEN USED FOR STRUCTURAL DIAPHRAGM.  
D. WELDED SHEET STEEL FOR COLD-FORMED STEEL FRAMING MEMBERS SUCH AS STUDS AND JOISTS.  
E. WELDING OF STAIRS AND RAILING SYSTEMS.

## E. WOOD CONSTRUCTION <sup>(1)(2)</sup>

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REMARKS
1. PLYWD. SHEAR WALLS.		×	SEE NOTES (2)(3)
2. ROOF AND FLOOR DIAPHRAGMS		×	SEE NOTES (2)(3)
3. DRAG STRUTS		×	SEE NOTES (2)(3)

- NOTES:
- SEE CBC SECTION 1704.6 AND 1707.3
  - NAILING, BOLTING, ANCHORING AND OTHER FASTENING OF COMPONENTS.
  - SPECIAL INSPECTION NOT REQUIRED WHERE FASTENERS SPACING OF THE SHEATHING IS MORE THAN 4"

## F. SPECIAL CASES

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REMARKS
1. HILTI KWIK BOLT TZ INSTALLATION		×	SIMPSON 'KBTZ' (ICC-ES ESR-1917)
2. SIMPSON SET-XP EPOXY INSTALLATION		×	SIMPSON 'SET' (ICC-ES ESR-1772)
3. HILTI KWIK BOLT III (1)		×	SIMPSON KB III (ICC-ES ESR 1385)

- NOTES:
- SEE DETAIL 14 / S1.2



ANCHOR INSTALLATION IS RESTRICTED TO NON-SHADED AREAS

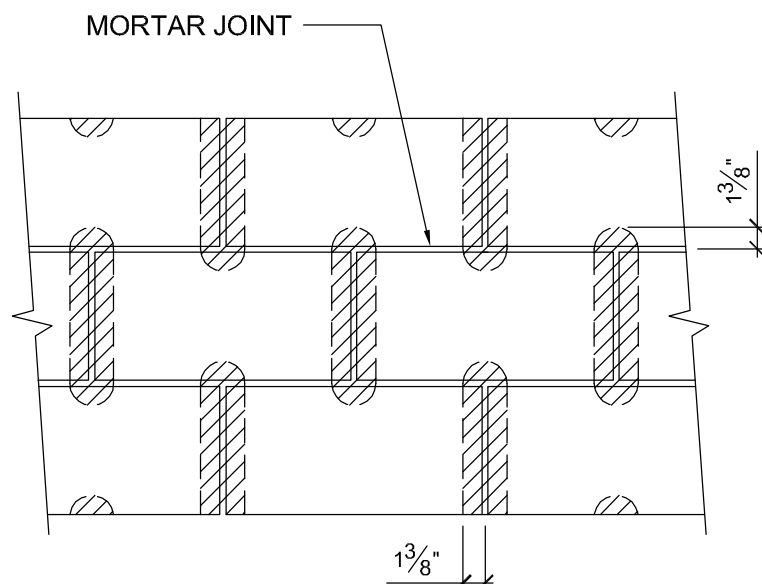


FIGURE 2 - ACCEPTANCE LOCATIONS (NON-SHADED AREAS) FOR HILTI KWIK BOLT III ANCHORS IN GROUT-FILLED CONCRETE MASONRY ANCHORS

54 BASE PLATE  
2" = 1' - 0"

44 ACCESS LADDER FOOTING  
1" = 1' - 0"

34 NEW FOOTING @ LOBBY  
1" = 1' - 0"

24 LINE 5 BETWEEN A & B  
1" = 1' - 0"

14 HILTI KWIK BOLT III  
1" = 1' - 0"

PROJECT

**SUPERIOR COURT  
OF CALIFORNIA  
COUNTY OF SAN JOAQUIN**

**MANTECA BRANCH  
SITE AND BUILDING  
IMPROVEMENTS**

**PHASE 1**

CLIENT JOB # ARCHITECT JOB #

1007

**FRASER  
SEIPLE  
ARCHITECTS**

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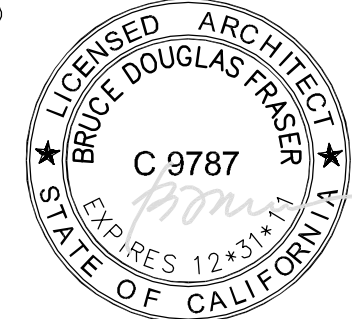
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DATES 05/05/11

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SHEET TITLE

**SPECIAL  
INSPECTIONS**

SHEET #

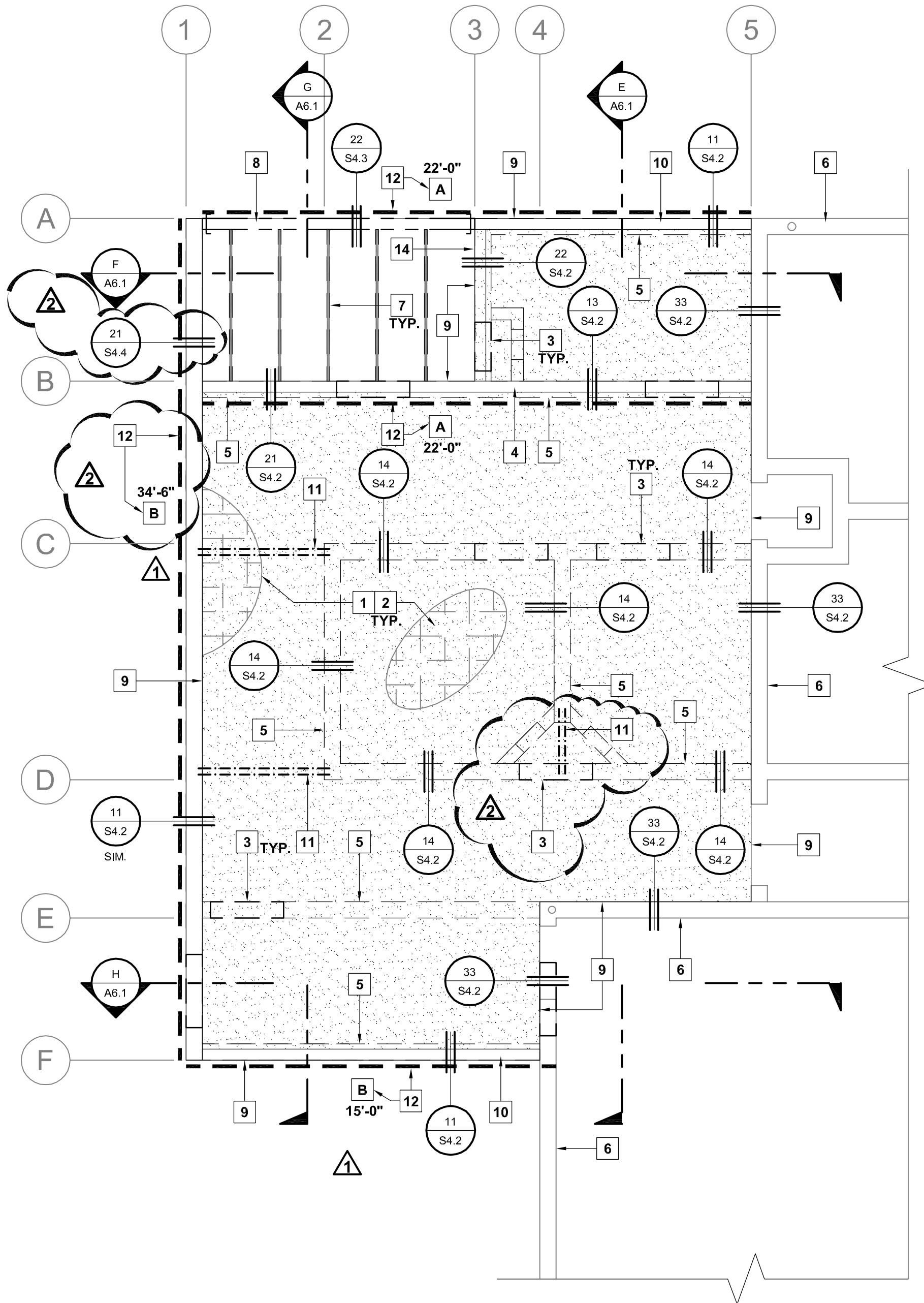
**S1.2**



\\John\Maneca Courthouse 1007\Drawings\Sheets\Phase I\S2.1 - Phase I Foundation Plan.dwg, 8/26/2011 2:44:21 PM, PDFP95

## CONCRETE LID KEYNOTES

- GENERAL TYPICAL NOTES: SEE STRUCTURAL NOTES, SHEET **S1.0 & S1.1**.  
A. ALL CONCRETE SHALL BE 3,000 P.S.I. AT 28 DAYS.  
B. SEE ARCHITECTURAL DRAWINGS FOR ALL EMBEDDED ITEMS AND NON-STRUCTURAL COMPONENTS ASSOCIATED WITH CONCRETE WORK.
- 6" CONCRETE SLAB WITH #5 @ 12" O.C., EACH WAY, AT MID-DEPTH OF SLAB.  
A. SEE DETAIL **23 / S4.2**.
- 8" SOLID GROUTED CMU LINTEL OVER OPENING.  
A. SEE DETAIL **42 / S4.1**.
- 2x6 PONY WALL.  
A. SEE DETAIL **32 / S4.2** FOR OPENING IN WALL.
- 8" SOLID GROUTED CMU BEARING WALL.  
A. SEE DETAIL **53 / S4.1** FOR TYPICAL WALL REINFORCING.  
B. SEE DETAIL **44 / S4.2** FOR TYPICAL REINFORCING AT OPENINGS.  
C. SEE DETAIL **53 / S4.1** FOR TYPICAL CLEANOUT DETAIL.  
D. SEE DETAIL **43 / S4.2** FOR TYPICAL CORNER & INTERSECTING WALL.  
E. SEE DETAIL **54 / S4.1** FOR TYPICAL VERTICAL CONTROL JOINT.
- EXISTING CMU WALL TO REMAIN.
- 2x6 DF #2 JOISTS @ 24" O.C.  
A. PROVIDE SIMPSON 'LUS' HANGER EACH END.  
B. PROVIDE 2x4 DF #2 STRONG-BACK WITH 2-16d EACH CONTACT.
- 6x10 DF #2 BEAM.  
A. PROVIDE SIMPSON 'MBHU5.50' HANGER EACH END.  
B. 2x6 PARAPET WALL ABOVE.
- EDGE OF CONCRETE LID.
- 2x6 PARAPET WALL ABOVE. SEE DETAIL **11 / S4.2**.
- 2 #5 CONTINUOUS @ SLAB MID HEIGHT.
- SHEAR WALL SHEATHING  
A. SHEATHING TO EXTEND FROM TOP OF NEW CONCRETE LID UP TO NEW ROOF FRAMING.  
B. SEE SHEARWALL SCHEDULE, SHEET **S1.2**.
- SEE SHEAR WALL SCHEDULE, SHEET **S1.2**.
- 2x6 NON-BEARING PONY WALL FOR INSULATION PURPOSES ONLY.

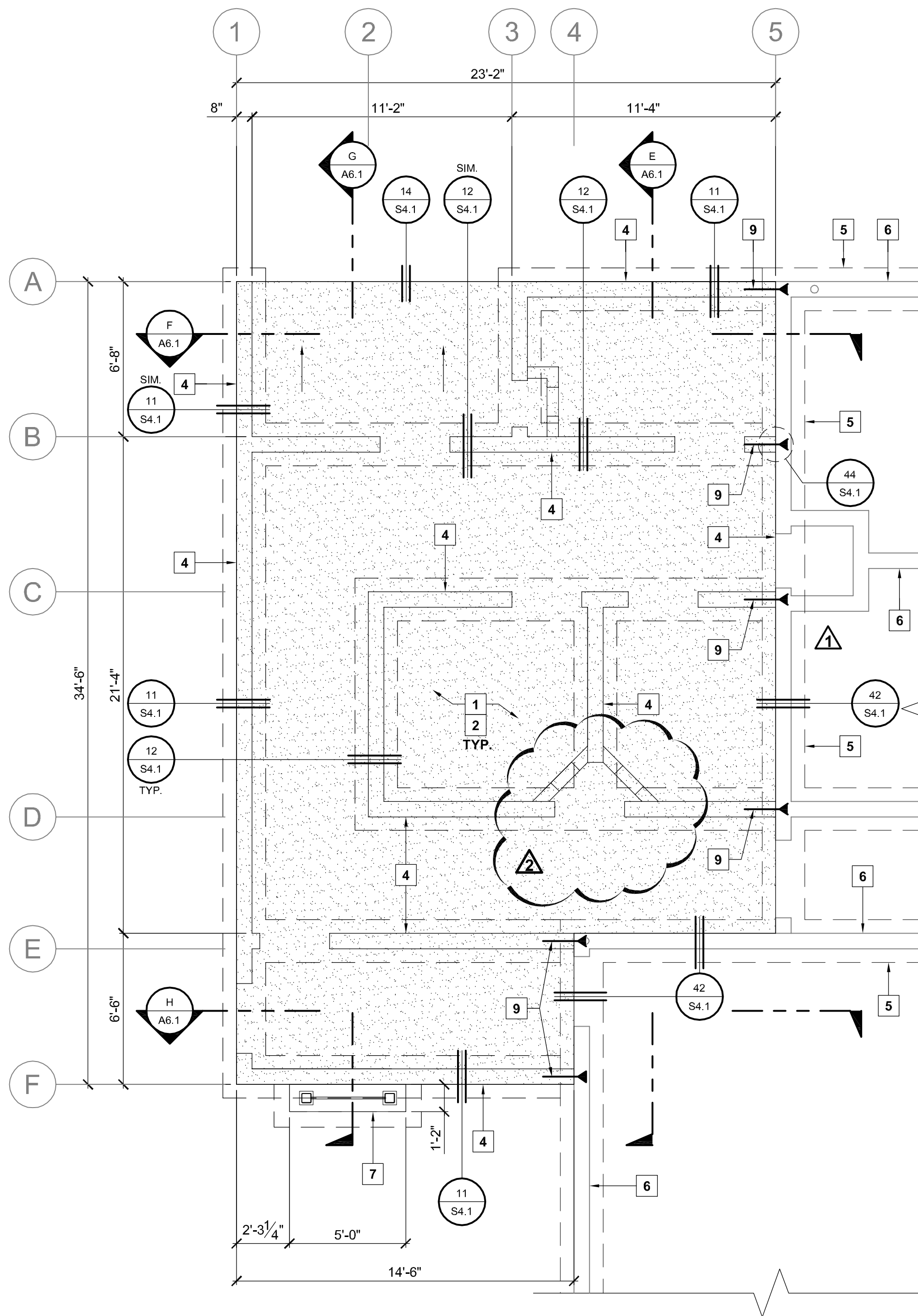


## PHASE I CONCRETE LID PLAN HOLDING CELL ADDITION

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

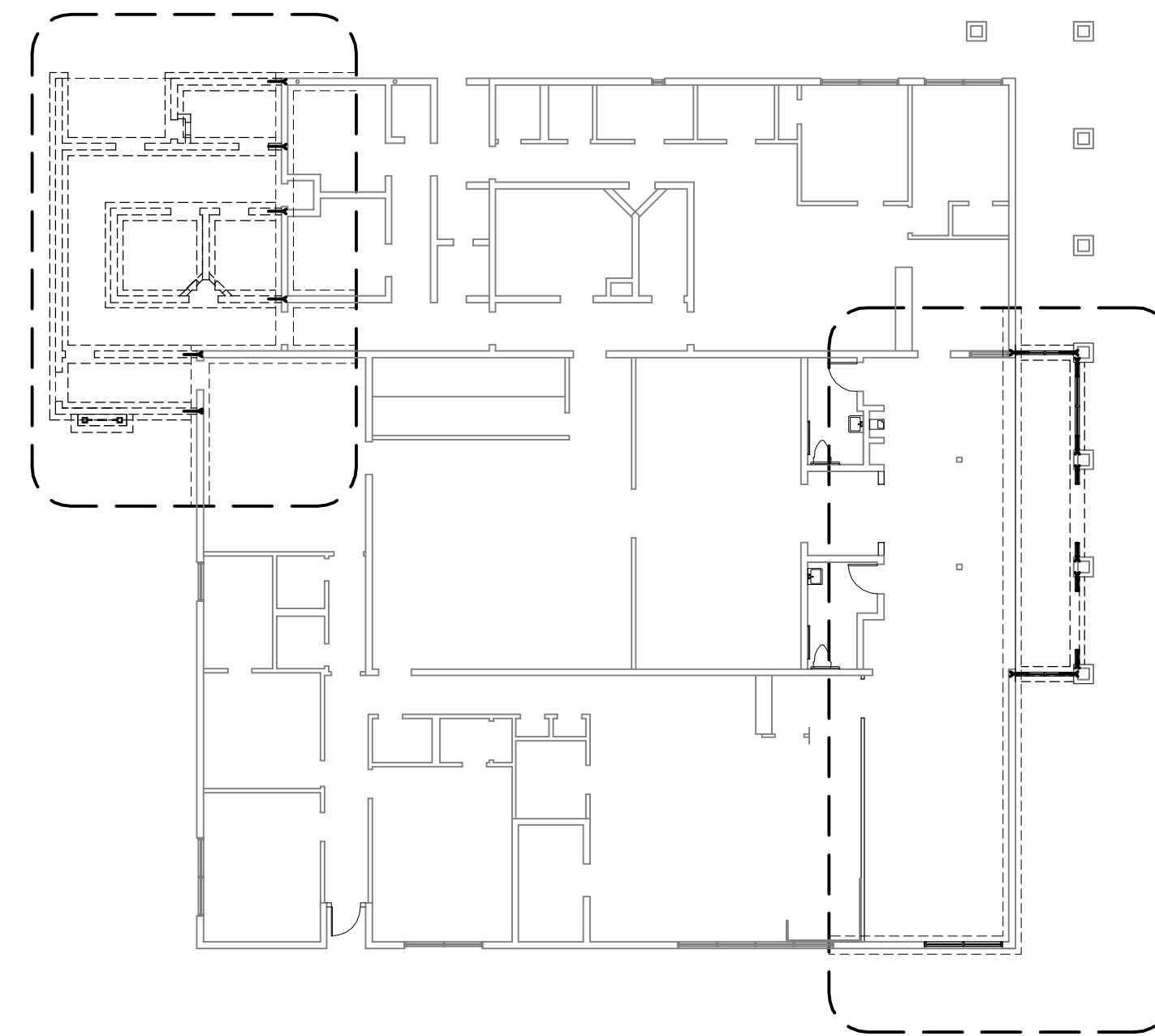
## FOUNDATION PLAN KEYNOTES

- GENERAL TYPICAL NOTES: SEE STRUCTURAL NOTES, SHEET **S1.0 & S1.1**.  
A. ALL CONCRETE SHALL BE 3,000 P.S.I. AT 28 DAYS.  
B. SEE ARCHITECTURAL DRAWINGS FOR ALL EMBEDDED ITEMS AND NON-STRUCTURAL COMPONENTS ASSOCIATED WITH CONCRETE WORK.  
C. ALL SILL PLATE ANCHOR BOLTS SHALL HAVE 7" (MIN.) EMBEDMENT (TYP. U.N.O.).
- 4" CONCRETE SLAB WITH #3 @ 18" O.C. AT MID-DEPTH OF SLAB OVER 2" CLEAN SAND OVER 10 MIL VAPOR RETARDER OVER 6" FREE DRAINING MATERIAL. SEE PROJECT SOILS REPORT. SEE DETAIL **21 / S4.1**.
- CONCRETE CONTROL JOINTS. SEE DETAIL **22/S4.1**.  
A. PROVIDE TOOLED EDGE AT JOINT.  
B. VERIFY ALL LOCATIONS OF VISIBLE CONTROL JOINTS WITH ARCHITECT & OWNER FOR PATTERN, LAYOUT AND SPACING.  
C. MAX SPACING OF CONTROL JOINTS IS 12'-0".
- 8" SOLID GROUTED CMU BEARING WALL.  
A. SEE DETAIL **53 / S4.1** FOR TYPICAL WALL REINFORCING.  
B. SEE DETAIL **44 / S4.2** FOR TYPICAL REINFORCING AT OPENINGS.  
C. SEE DETAIL **53 / S4.1** FOR TYPICAL CLEANOUT DETAIL.  
D. SEE DETAIL **43 / S4.2** FOR TYPICAL CORNER & INTERSECTING WALL.  
E. SEE DETAIL **54 / S4.1** FOR TYPICAL VERTICAL CONTROL JOINT.
- EXISTING FOOTING TO REMAIN.
- EXISTING CMU WALL TO REMAIN.
- EXPAND FOOTING AT ROOF ACCESS LADDER COLUMNS, SEE DETAIL **44 / S1.2**.
- EXISTING CMU COLUMNS AND FOOTINGS TO REMAIN.
- NEW DOWEL BETWEEN NEW FOOTING AND EXISTING FOUNDATION.  
A. #5 DOWEL TOP & BOTTOM. SEE DETAIL **43 / S4.1**, SIMILAR.



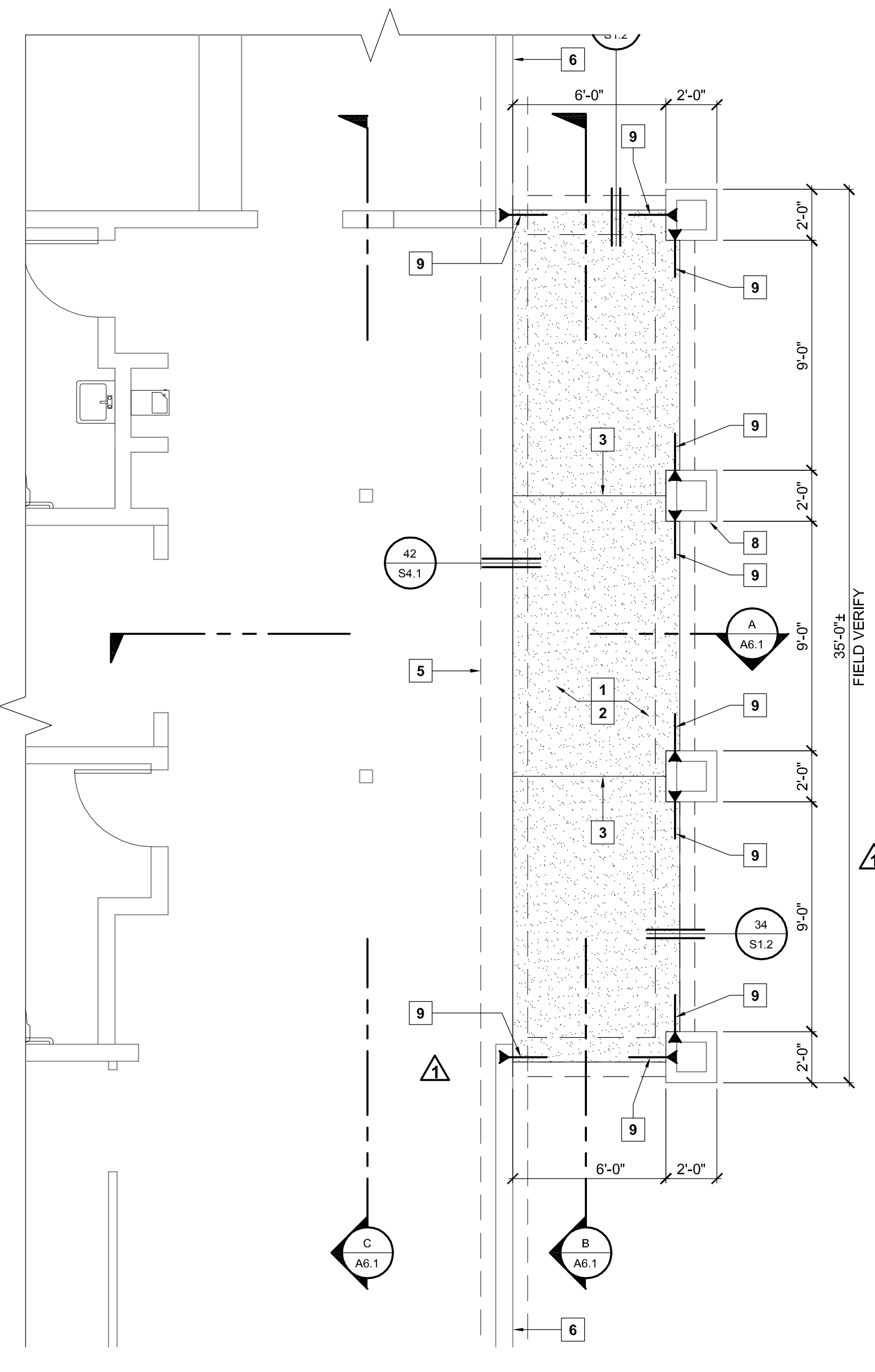
## PHASE I FOUNDATION PLAN HOLDING CELL ADDITION

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



## PHASE I KEY PLAN

SCALE: 1/16" = 1'-0"



## PHASE I FOUNDATION PLAN LOBBY

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

PROJECT

**SUPERIOR COURT  
OF CALIFORNIA  
COUNTY OF SAN JOAQUIN**

**MANTECA BRANCH  
SITE AND BUILDING  
IMPROVEMENTS**

**PHASE 1**

CLIENT JOB # ARCHITECT JOB #  
**1007**

**FRASER  
SEIPLE  
ARCHITECTS**

971 OSOS STREET  
SAN LUIS OBISPO  
CALIFORNIA 93401

805-544-6161

[www.fraserseiplearchitects.com](http://www.fraserseiplearchitects.com)

PROJECT MANAGER BDF

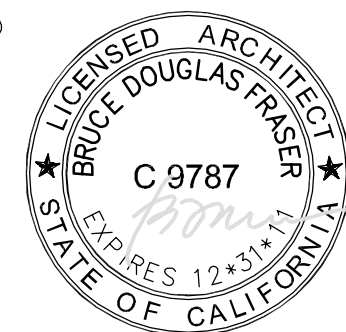
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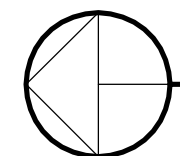
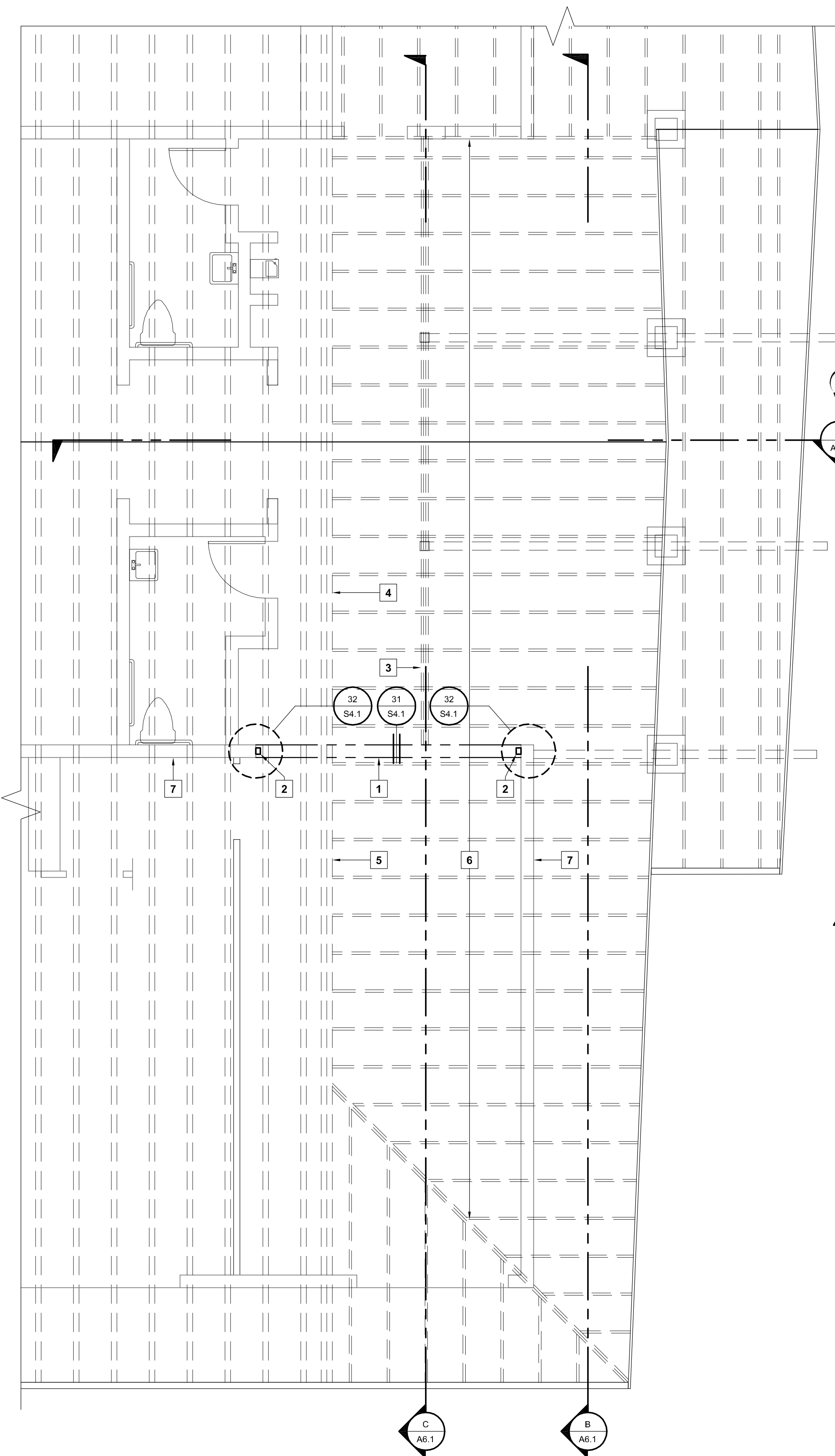
SHEET TITLE

**PHASE I  
FOUNDATION  
PLAN**

SHEET #

**S2.1**

\\John\Maneca Courthouse 1007\Drawings\Sheets\Phase I\S3.1 - Phase I Foundation Plan.dwg, 9/2/2011 1:34:10 PM, PDF995



## PHASE I ROOF FRAMING PLAN - LOBBY

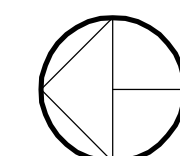
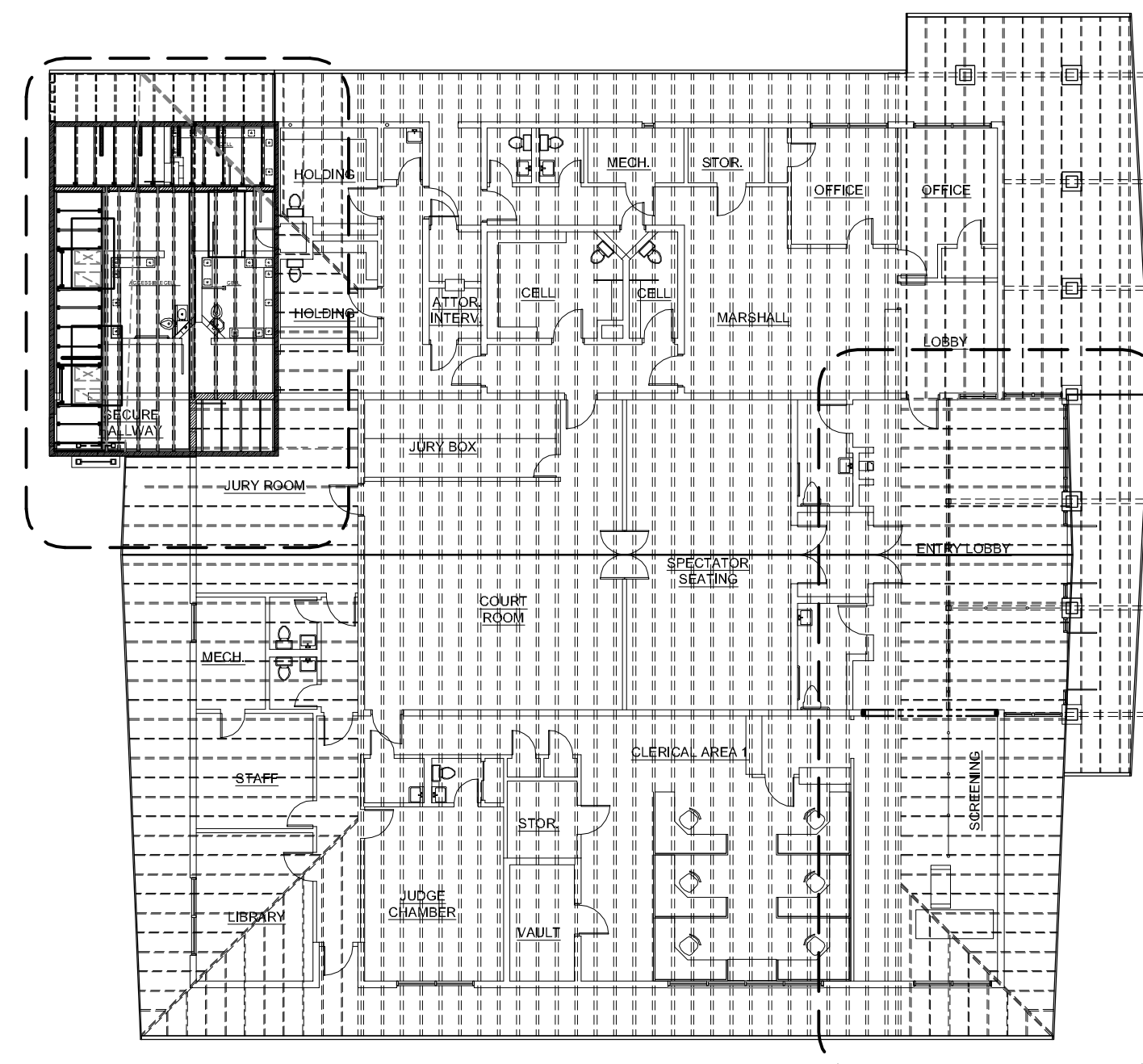
SCALE: 1/4" = 1'-0"

### ROOF FRAMING KEYNOTES

- GENERAL, TYPICAL NOTES: SEE GENERAL STRUCTURAL NOTES, SHEET **S1.0** & **S1.1**.
  - REFER TO ARCHITECTURAL PLANS FOR INTERIOR NON-BEARING WALLS, SOFFITS AND EAVE DETAILS, AND MISCELLANEOUS NON-STRUCTURAL DETAILS AND REQUIREMENTS.
- TYPICAL ROOF SHEATHING: 5/8" CDX PLYWOOD.
  - PANEL INDEX 32/16.
  - USE EXTERIOR GRADE WHERE PLYWOOD IS EXPOSED TO WEATHER.
  - NAIL w/ 8d @ 6-6-10" O.C. (TYPICAL U.N.O.).
  - LAY WITH FACE GRAIN PERPENDICULAR TO FRAMING.
  - STAGGER SHEETS.
  - ALL EDGES BLOCKED, SEE DETAIL **34** / **S4.3**.
- 30" REDBUILT RED-L @ 24" O.C.
  - SEE OPEN WEB TRUSS NOTES, SHEET **S1.1**.
  - ALL TRUSS ENGINEERING DRAWINGS, TRUSS TYPES, AND DETAILED SHOP DRAWINGS SHALL BE APPROVED BY THE PROJECT ENGINEER OR ARCHITECT PRIOR TO THE INSTALLATION OF THE TRUSS. TRUSS MANUFACTURER SHALL DESIGN ALL TRUSS TO TRUSS HANGERS.
  - ISOLATE INTERIOR NON-BEARING WALLS FROM VERTICAL LOAD PER MANUFACTURER'S RECOMMENDED DETAILS.
- NOT USED.
- FACE OF BLOCK WALL.
- LOCATION OF VERTICAL CONTROL JOINT AT CMU WALL.
  - SEE DETAIL **54** / **S4.1**.
- MATCH EXISTING FASCIA.
- 48" x 48" CLEAR OPENING FOR MECHANICAL PLENUMS. USE DOUBLE 2x8 #2 D.F. ROOF JOISTS w/ SIMPSON U26-2.
- 2x8 #2 D.F. ROOF JOISTS AT 24" O.C. w/ SIMPSON U26 AT EACH END.
- 2x6 PARAPET WALL.
  - PROVIDE CONTINUOUS DOUBLE TOP PLATE ACROSS THE TOP OF PARAPET WALL, SEE DETAIL **44** / **S4.3**.
- 2x10 OUTRIGGERS @ 16" O.C.
  - MATCH EXISTING OVERHANG.
  - REMOVE EXISTING ROOF FRAMING AS REQUIRED, SEE NOTE #27.
- (E) DOUBLE 2x10 HIP RAFTER.
- 3"Ø STANDARD PIPE PARAPET BRACE.
  - SEE DETAIL **11** / **S4.3** FOR TYPICAL CONFIGURATION.
  - SEE DETAILS **12** & **13** **S4.3** FOR TYPICAL CONNECTIONS.
  - SCHEDULE 40, ASTM A53, Fy=35 ksi.
- NEW 2x10 ROOF RAFTERS @ 24" O.C. w/ SIMPSON U210TF.
- 2x12 ROOF OVERFRAMING JOISTS TO MATCH (N) ROOF LINE.
  - SEE REFERENCED DETAILS.
  - RIP JOISTS AS REQUIRED TO MATCH NEW ROOF LINE.
- NOT USED.
- 5"x5"x1/4" HSS COLUMN AT ROOF ACCESS LADDER.
  - COLUMN CANNOT FALL ON JOIST, PLACE BETWEEN JOISTS.
  - SEE DETAIL **51** / **A9.2**.
- 4x12 FLAT NAILER BELOW HSS COLUMN.
  - ALIGN FIRST 2x8 ROOF JOIST FLUSH WITH OUTSIDE EDGE OF FLAT NAILER.
  - SEE DETAIL **51** / **A9.2**.
- OUTLINE OF NEW AC.1 PHASE I MECHANICAL UNIT.
  - SEE SHEET **A3.1** FOR LOCATION.
  - SEE MECHANICAL DRAWINGS.
  - MAX. OPERATING WEIGHT IS 780#.
  - SEE DETAILS **51** / **S4.3**, **52** / **S4.3** AND **53** / **S4.3**.
- OUTLINE OF PHASE II MECHANICAL UNITS.
  - SEE SHEET **A3.1** FOR LOCATION.
  - SEE MECHANICAL DRAWINGS.
  - MAX. OPERATING WEIGHT IS 780#.
  - SEE DETAILS **51** / **S4.3**, **52** / **S4.3** AND **53** / **S4.3**.
- CENTERLINE OF NEW ROOF TRUSS.
- CENTERLINE OF EXISTING MASONRY WALL.
- ROOF TRUSS, MATCH CENTERLINE OF NEW TRUSS AND EXISTING MASONRY WALL.
- EXISTING DOUBLE 2x10 ROOF HIP RAFTER TO BE REMOVED, SEE NOTE #27.
- NEW PARAPET WALL FRAMING DIRECTLY ABOVE EXISTING OR NEW MASONRY WALL.
- EXISTING ROOF FRAMING TO BE REMOVED.
  - SHORE AND BRACE EXISTING FRAMING AS REQUIRED.
  - SEE DEMOLITION PLANS AND SECTIONS.
- FACE OF NEW STUD.
- EDGE OF EXISTING ROOF TO BE REMOVED.
- NEW 2x6 STUD WALL BETWEEN HOLDING CELL CONCRETE LID AND ROOF.
  - TYPICAL LINE B.
  - SEE DETAILS **21** / **S4.3**, **31** / **S4.3** AND **13** / **S4.2**.
  - SEE DETAIL **44** / **S4.3** FOR TOP PLATE SPLICE.
- EXISTING ROOF BEAM TO BE REMOVED.
  - SHORE AND BRACE EXISTING FRAMING AS REQUIRED.
  - SEE DEMO PLAN.
- EXISTING STEEL COLUMN EMBEDDED INTO EXISTING CMU WALL TO REMAIN.
  - PATCH AS REQUIRED.
- 4x8 LEDGER.
  - (3) SDS 1/4"x6" SCREWS AT EACH STUD.
  - SDS 1/4" x 6" SCREWS @ 6" O.C. INTO SOLID BLOCKING.
  - SEE DETAIL **11** / **S4.4**.
- 2x8 CONTINUOUS LEDGER w/ (3) 16d AT EACH STUD.

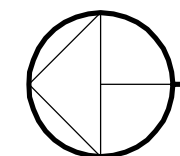
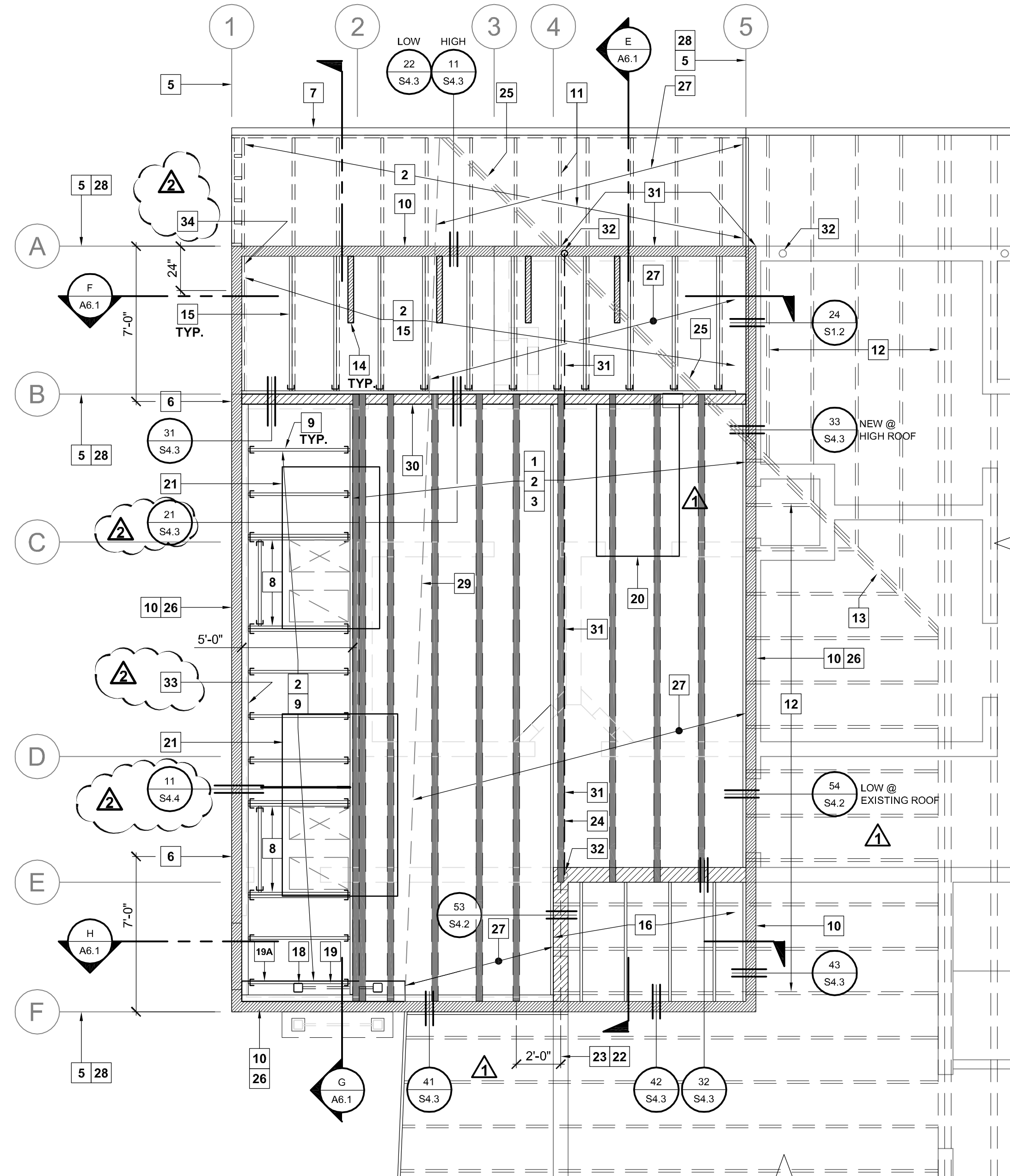
### ROOF FRAMING (AT LOBBY) KEYNOTES

- (N) W12x26 STEEL BEAM UNDER (E) BLOCK WALL.
  - T.O.B. = 10'-6" A.F.F.
  - SEE DETAIL **31** / **S4.1** FOR BEAM SECTION AT (E) WALL.
  - SEE DETAIL **32** / **S4.1** FOR COLUMN CAP.
  - SEE DETAIL **33** / **S4.1** FOR COLUMN BASEPLATE.
- (N) HSS4x3x1/4" STEEL COLUMN.
- (E) 3-2x10 ABOVE GLULAM OUTRIGGERS
- (E) DOUBLE 14" TJI, PITCHED
- (E) DOUBLE 20" TJI, PITCHED
- (E) 2x10 OUTRIGGERS @ 24" O.C.
- (E) CMU WALL TO REMAIN.



## PHASE I KEY PLAN

SCALE: 1/16" = 1'-0"



## PHASE I ROOF FRAMING PLAN - HOLDING CELL ADDITION

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

PROJECT

## SUPERIOR COURT OF CALIFORNIA COUNTY OF SAN JOAQUIN

## MANTECA BRANCH SITE AND BUILDING IMPROVEMENTS

### PHASE 1

CLIENT JOB # ARCHITECT JOB #  
1007

**FRASER  
SEIPLE  
ARCHITECTS**

971 OSOS STREET  
SAN LUIS OBISPO  
CALIFORNIA 93401

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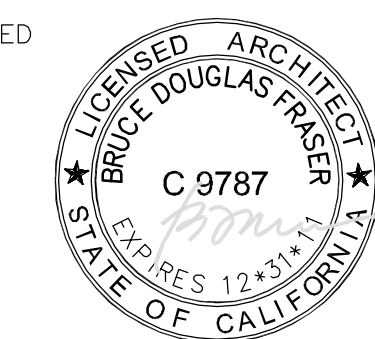
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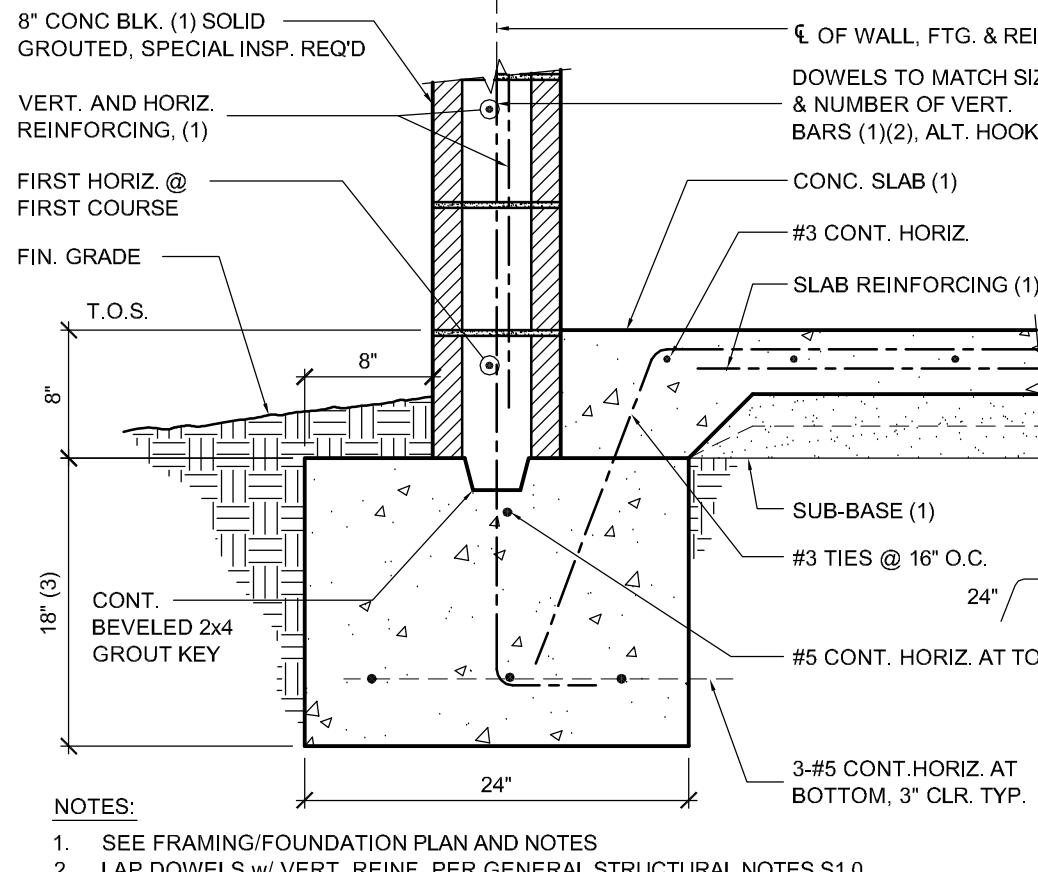
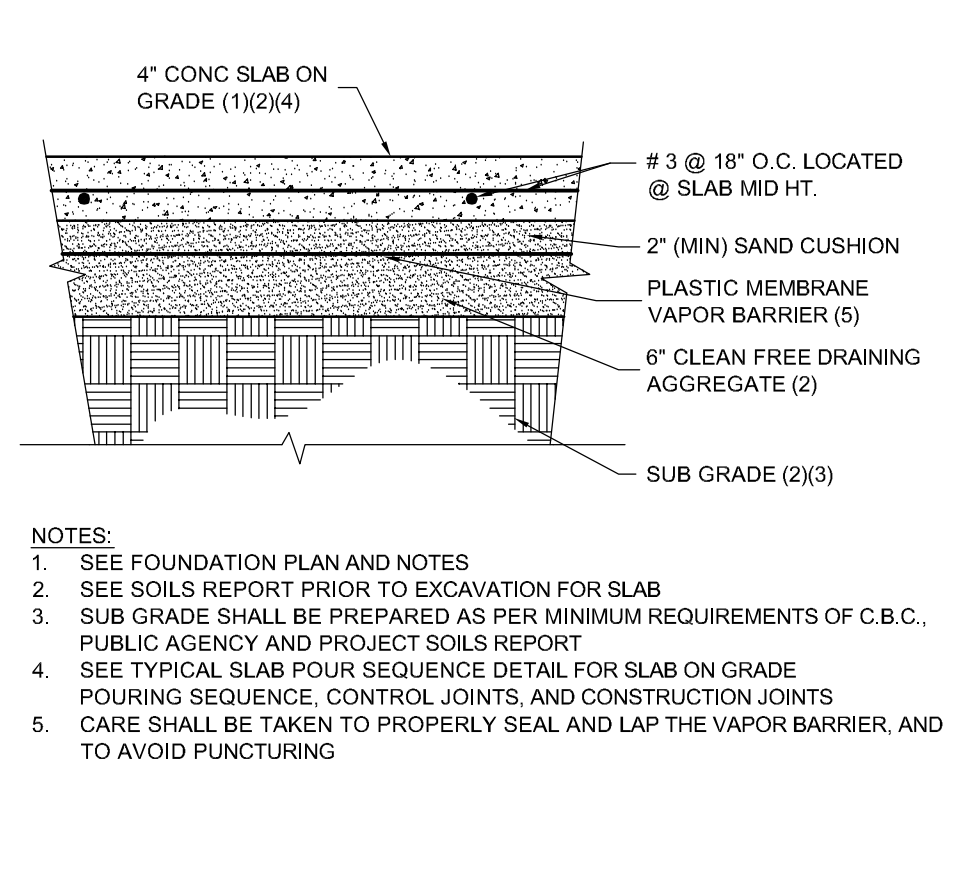
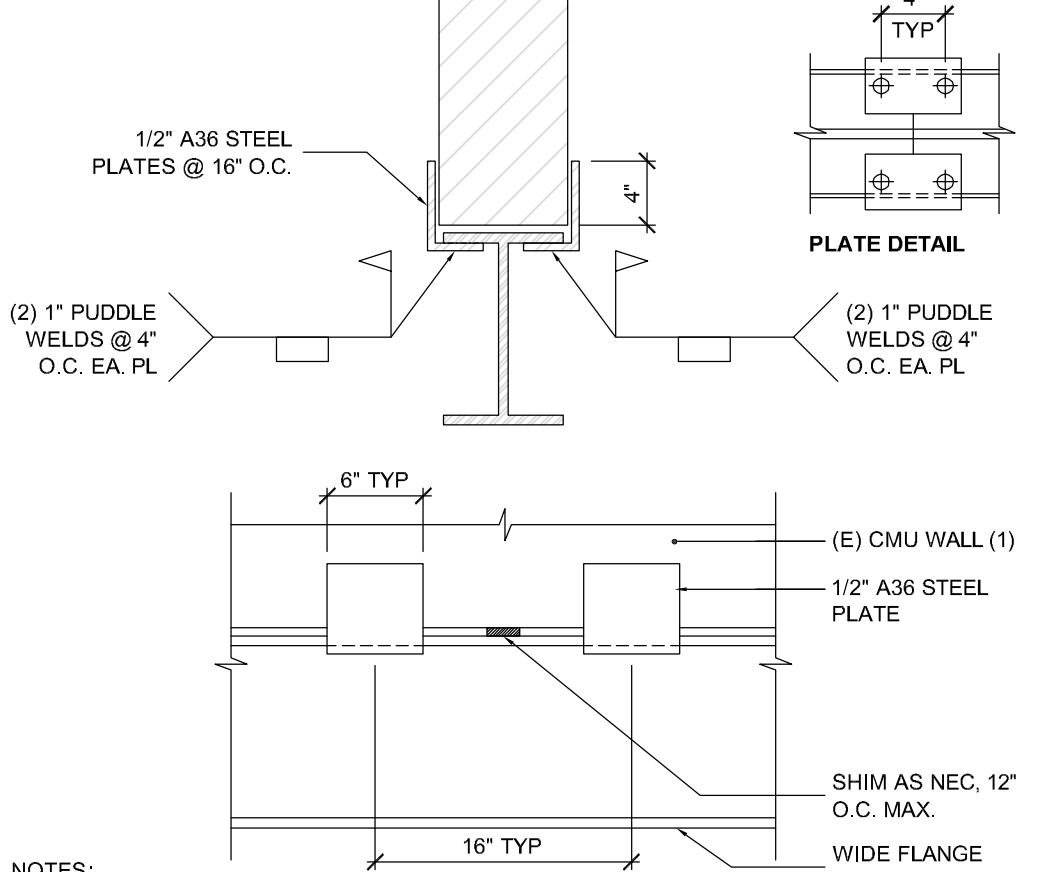
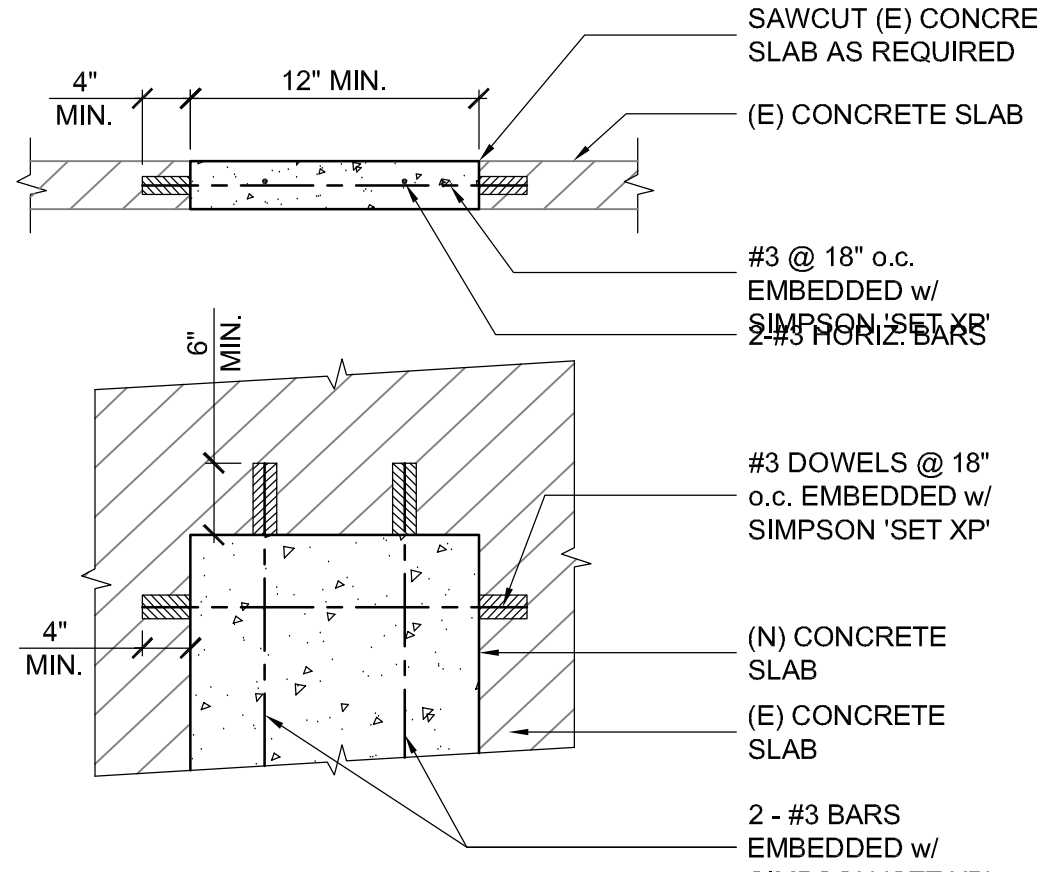
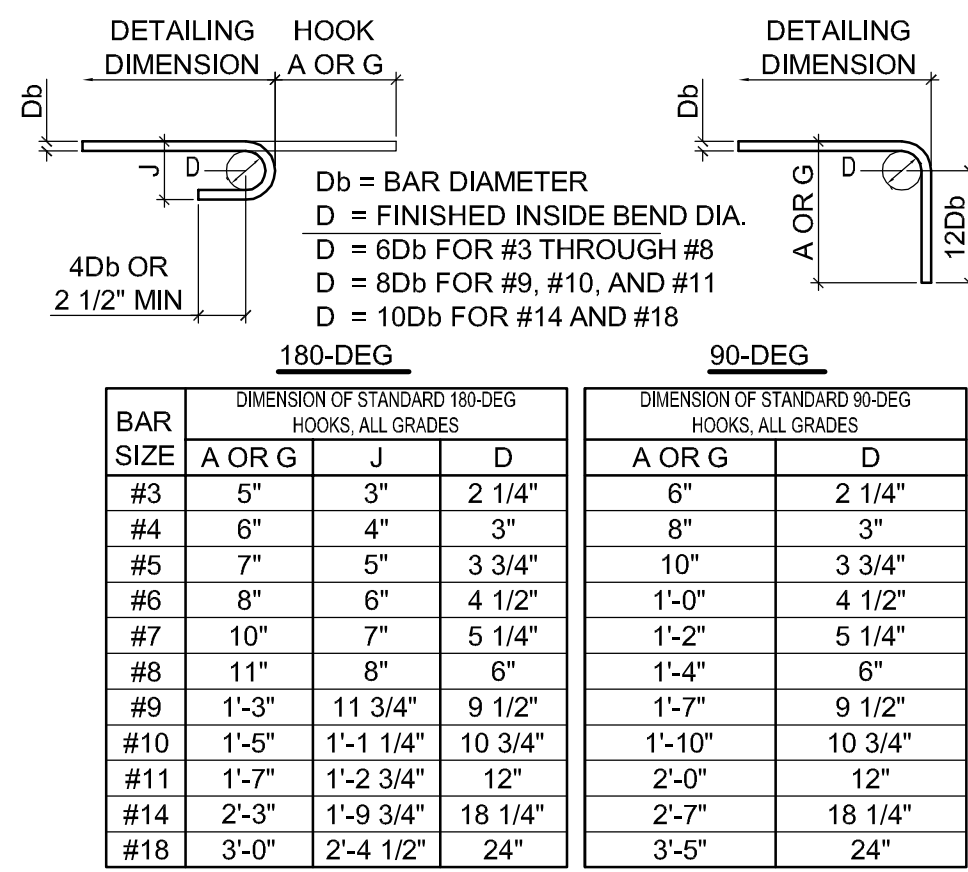
SHEET TITLE

## PHASE I ROOF FRAMING PLAN

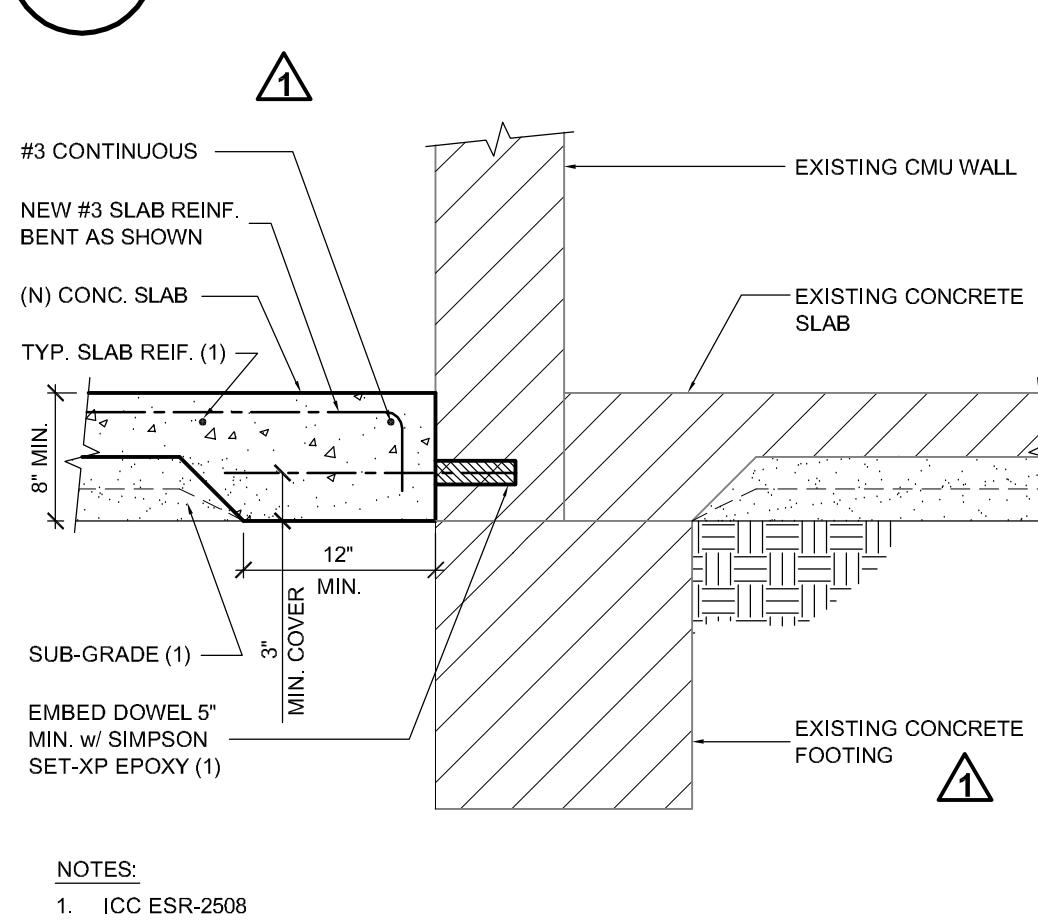
SHEET #

# S3.1

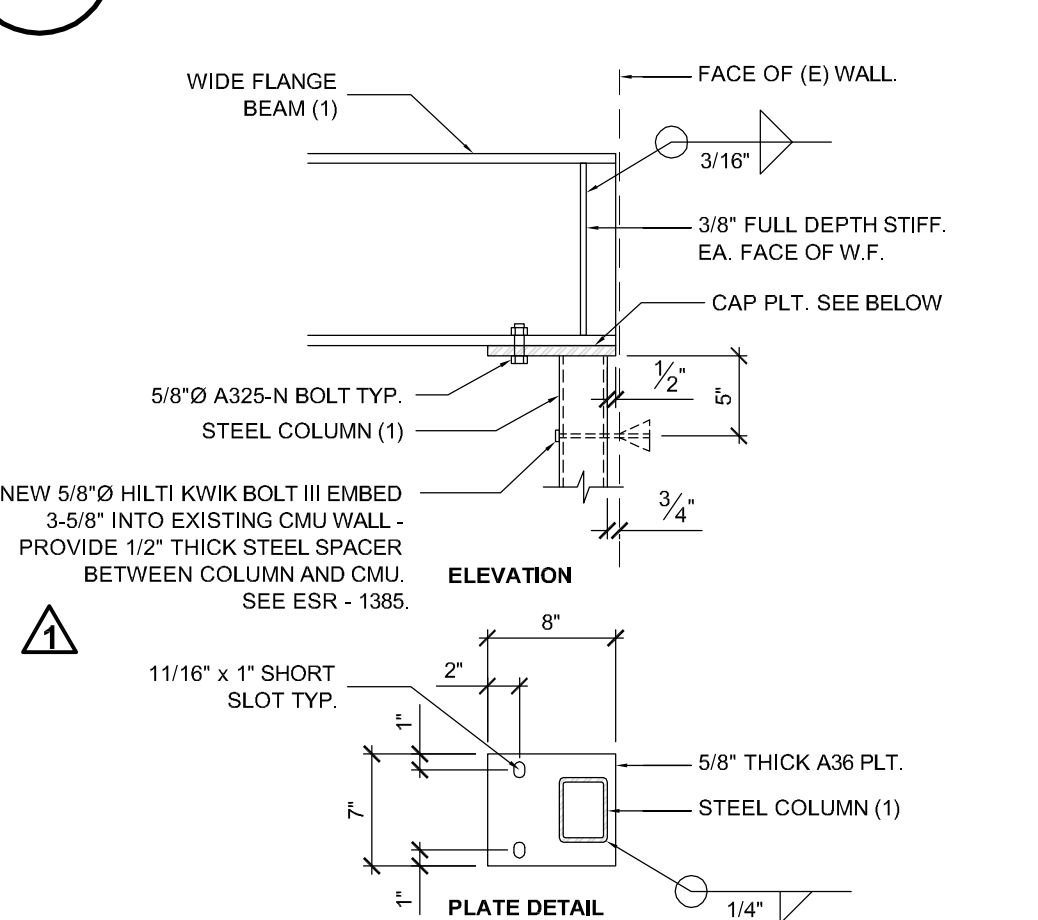




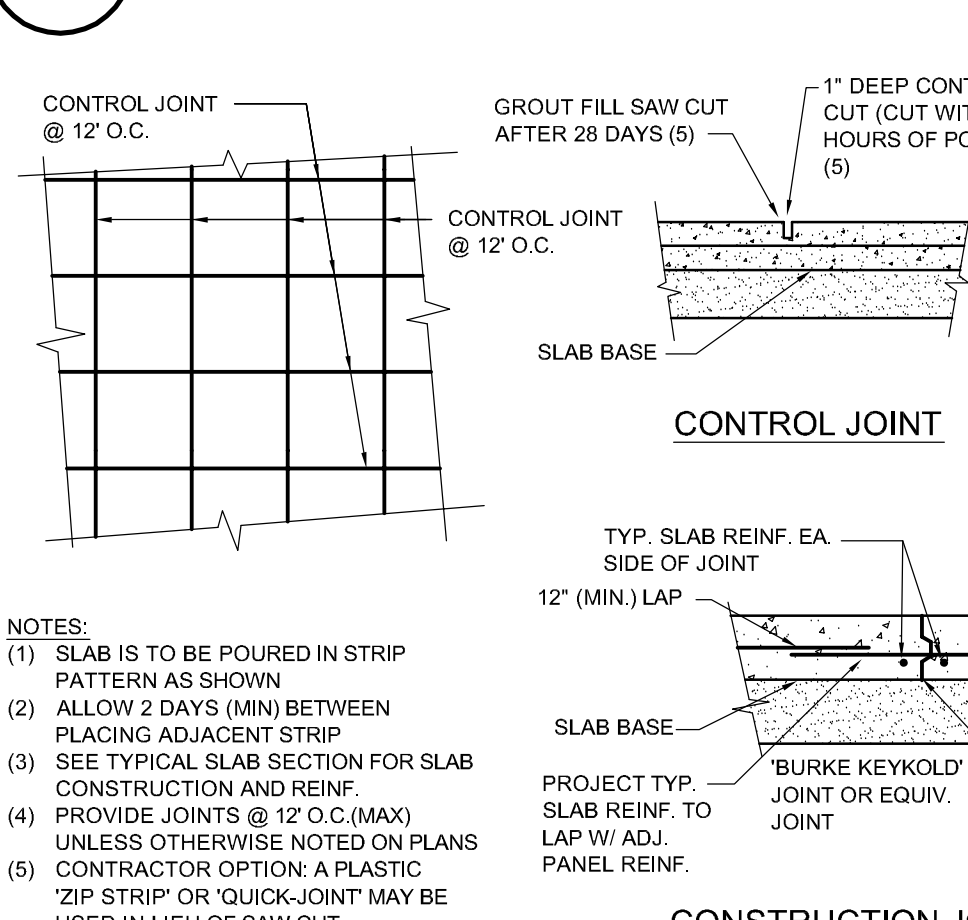
## 41 SLAB REPAIR



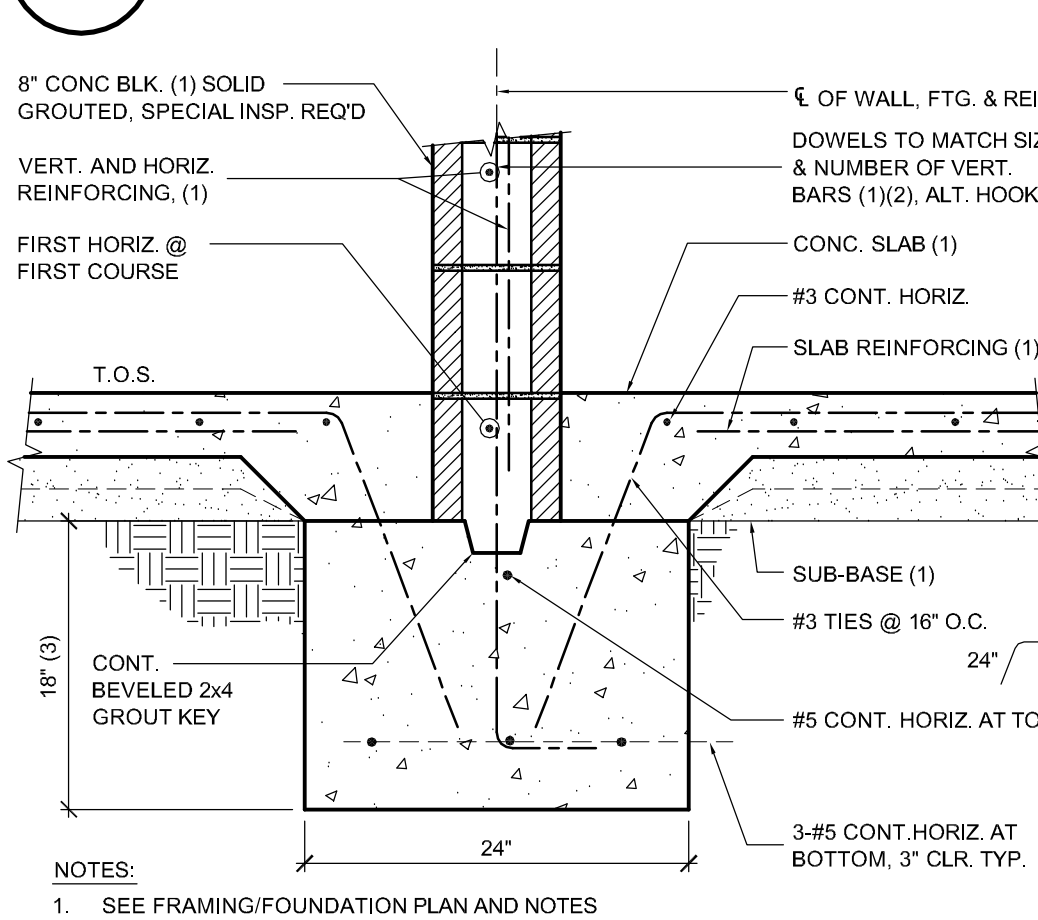
## 31 STEEL BEAM @ (E) WALL



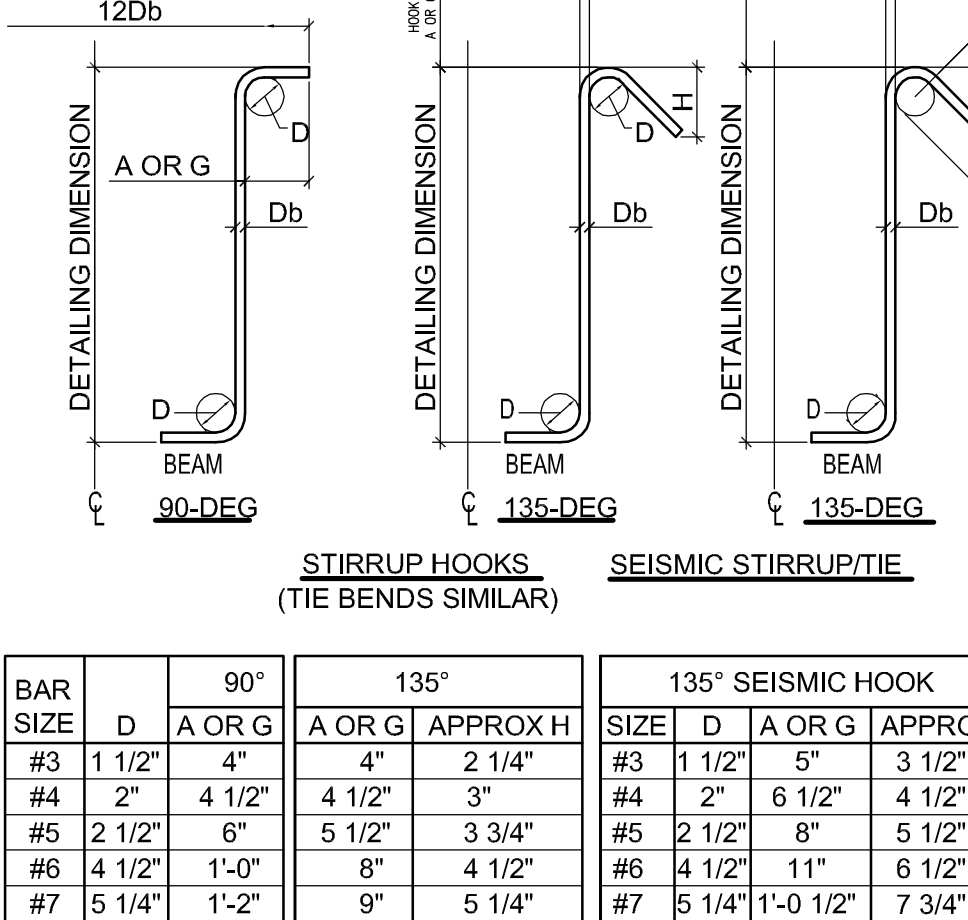
## 21 TYP. SLAB SECTION



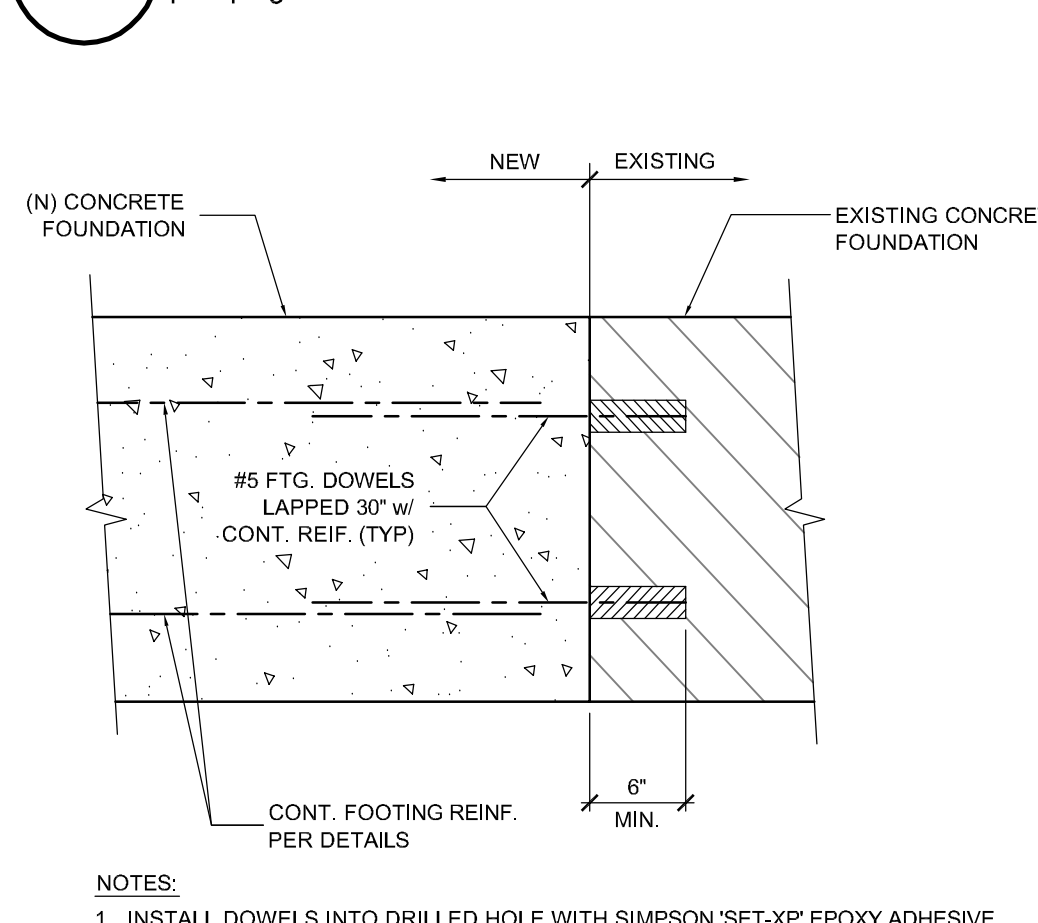
## 11 EXTERIOR CMU FOOTING



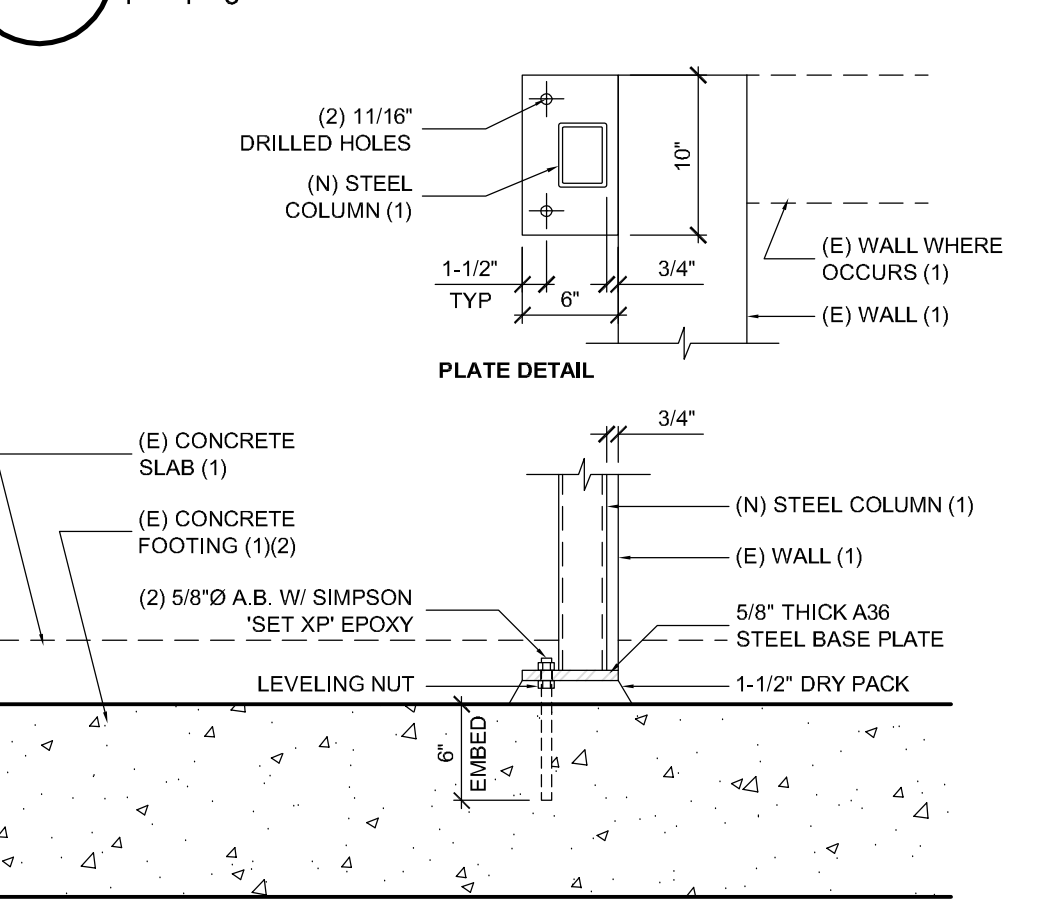
## 52 REINF. BENDS & HOOKS



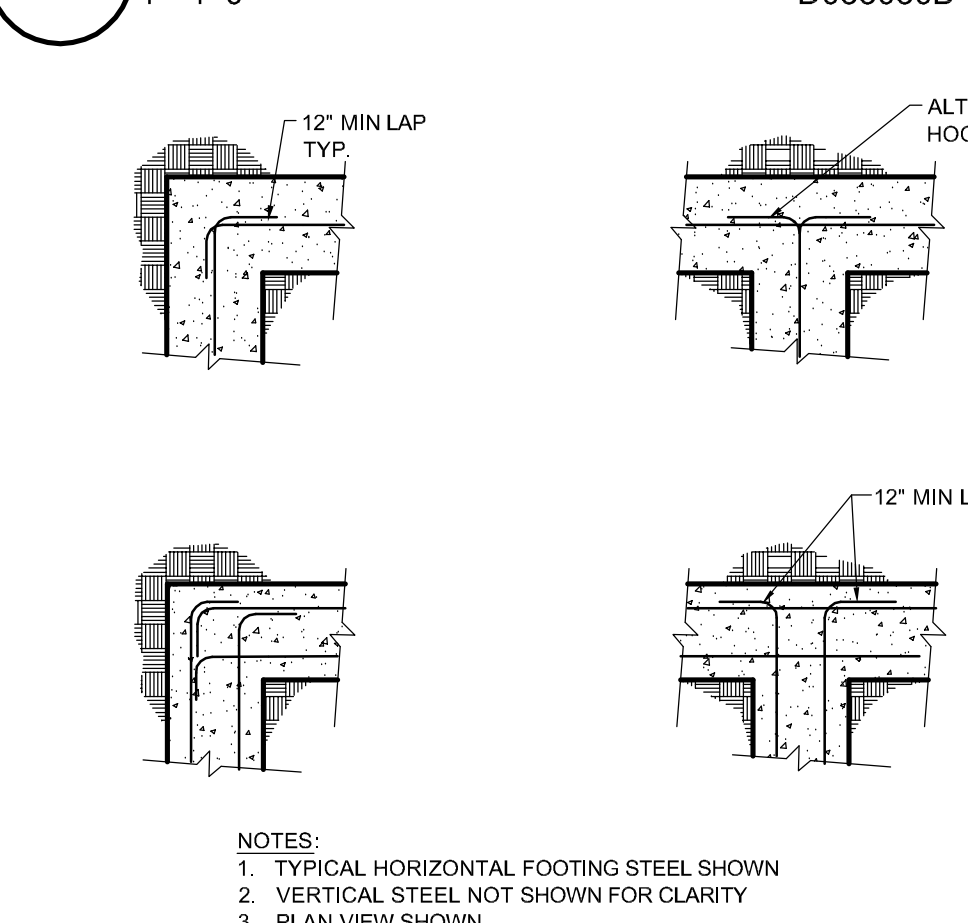
## 42 (N) SLAB @ (E) FOOTING



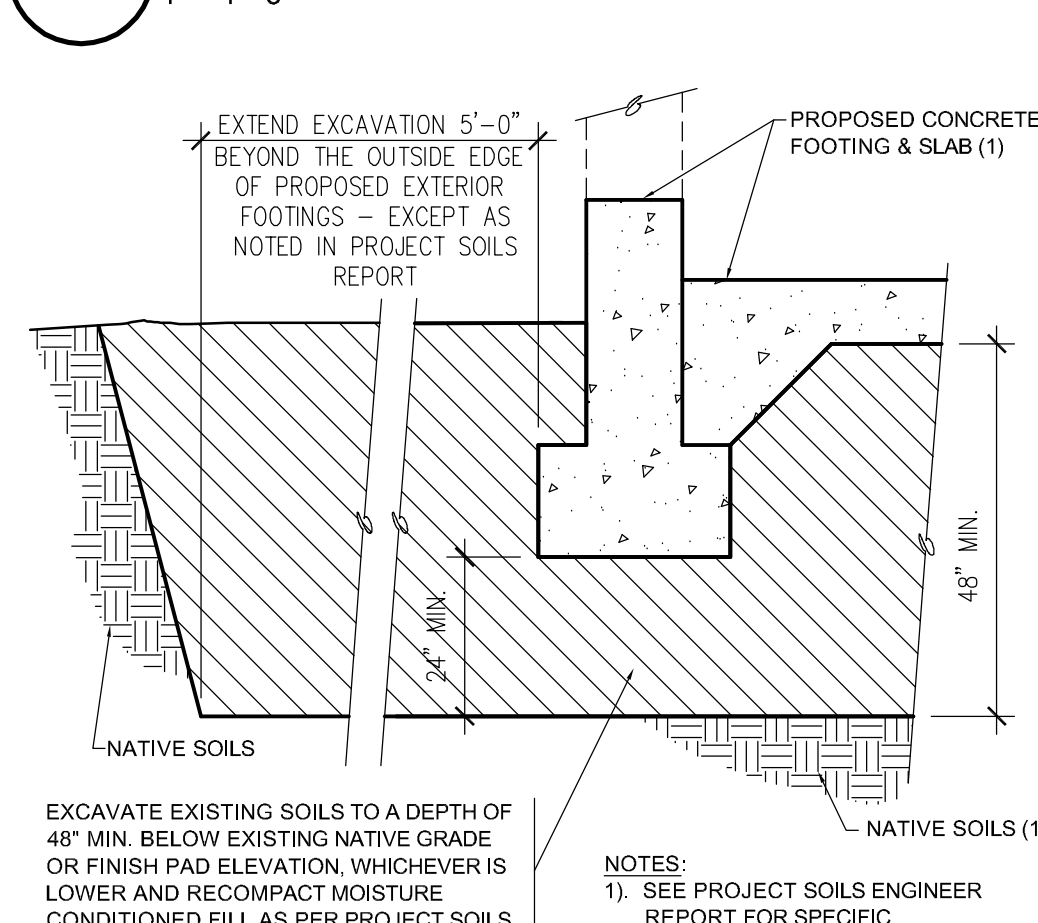
## 32 STEEL BEAM CONNECTION



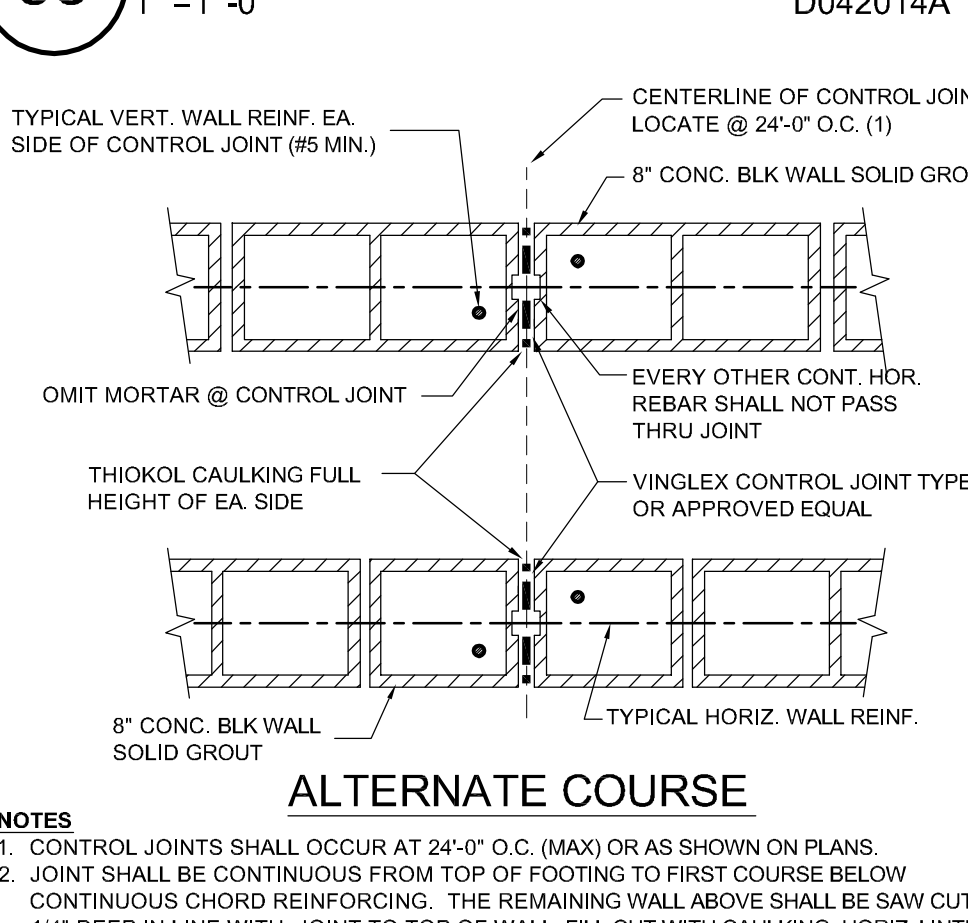
## 22 CONTROL JOINT



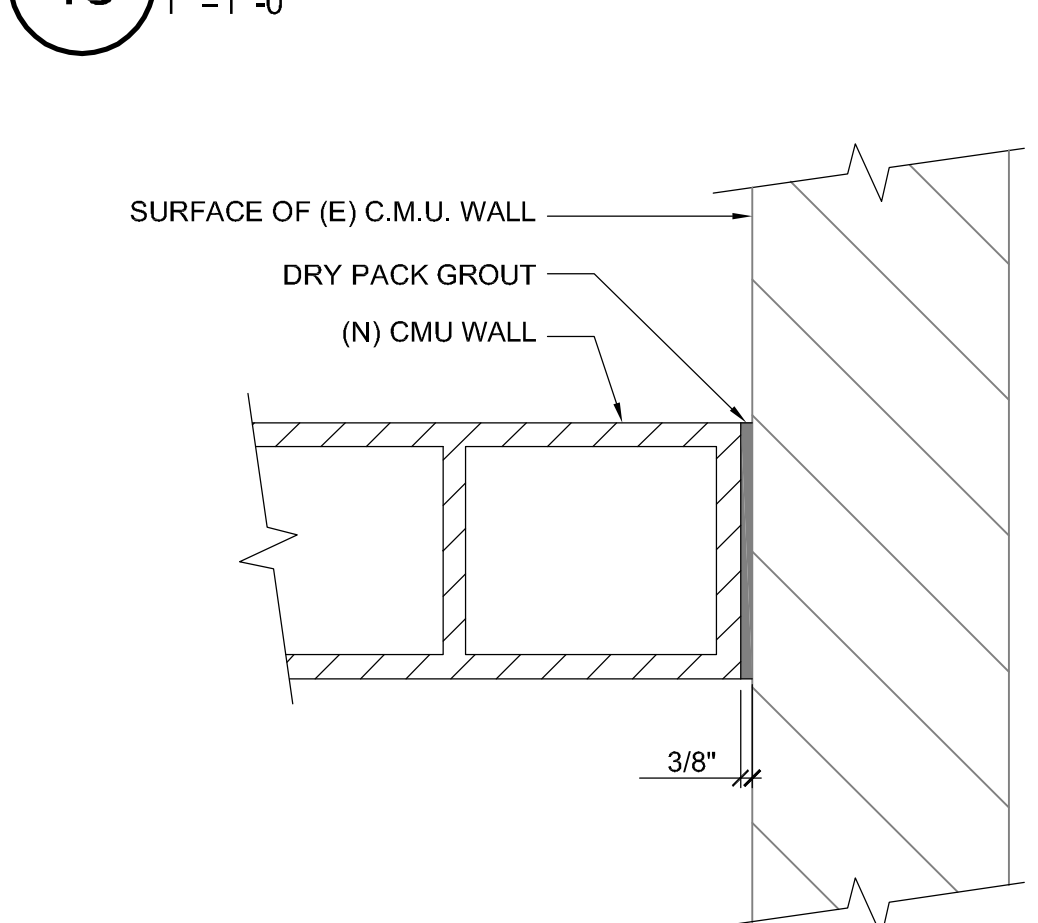
## 12 INTERIOR C.M.U. FOOTING



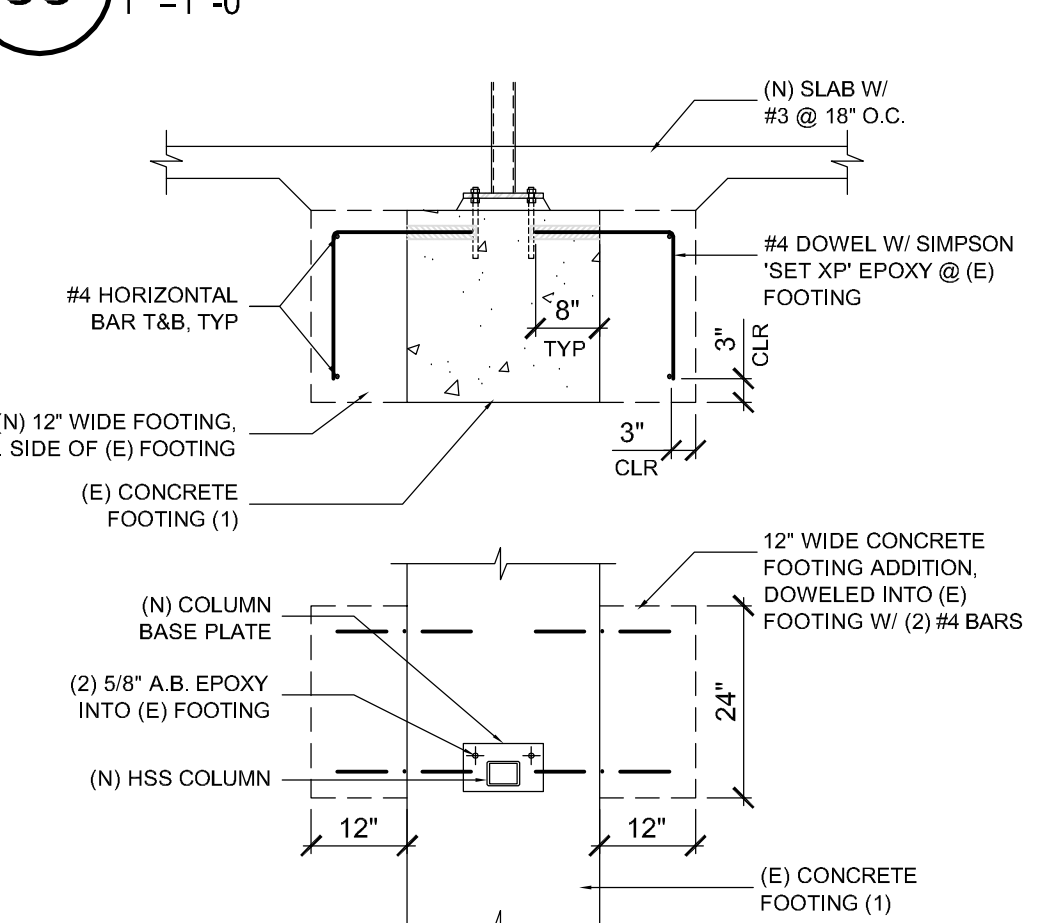
## 53 CLEANOUT



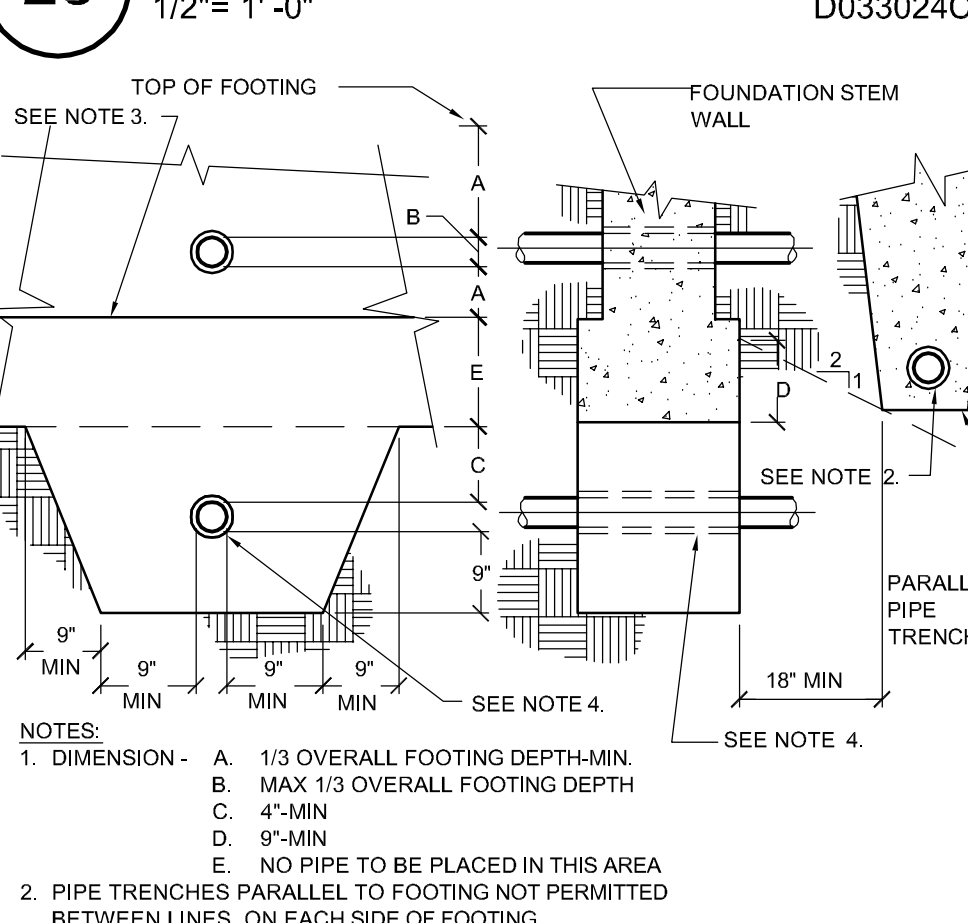
## 43 (N) FOOTING @ (E) FNDDT.



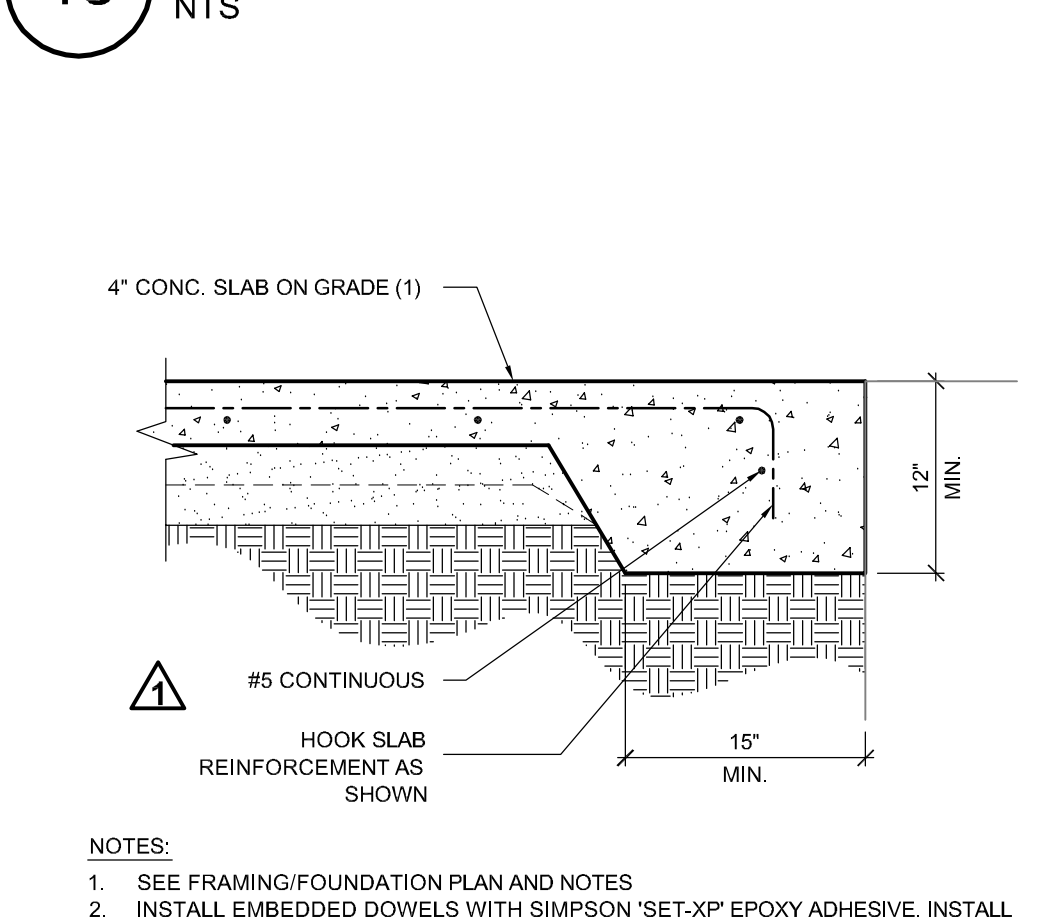
## 33 STEEL COLUMN BASE



## 23 TYP. CONCRETE CORNER



## 13 EXCAVATION @ FOOTINGS



## 54 CMU WALL CNTRL. JOINT



## 44 (N) C.M.U. WALL @ (E)



## 34 (N) FOOTING @ (E) FTG



## 24 PIPE THROUGH FOOTING



## 14 (N) SLAB



PROJECT

**SUPERIOR COURT OF CALIFORNIA COUNTY OF SAN JOAQUIN**

**MANTECA BRANCH SITE AND BUILDING IMPROVEMENTS**

**PHASE 1**

CLIENT JOB # ARCHITECT JOB #

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DATES 05/05/11  
06/20/11  
09/01/11

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LICENSED ARCHITECT  
BRUCE DOUGLAS FRASER  
C 9787  
EXPIRES 12/31/11  
STATE OF CALIFORNIA

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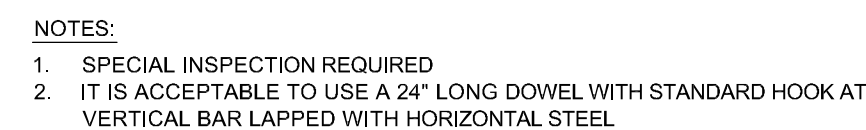
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SHEET TITLE

**STRUCTURAL DETAILS**

SHEET #

**S4.1**



NOTES:

1. SEE FRAMING PLAN & NOTES

NOTES:  
1. SEE FARMING PLAN AND NOTES

NOTES:

1. SEE FRAMING PLAN & NOTES

NOTES:

1. SEE FRAMING PLAN & NOTES

NOTES:

1. SEE FRAMING PLAN AND NOTES.
2. SEE DEMO PLANS

NOTES:

1. SEE FRAMING PLAN & NOTES
2. SEE ARCHITECTURAL PLANS & SECTIONS. MINIMUM INTEL. DEPTH = 16"

NOTES:  
1. SEE FRAMING PLAN & NOTES

NOTES:  
1. SEE DETAIL 23/S4.1 FOR END OF WALL JAMB REINFORCEMENT.

**NOTES:**  
1. SEE DETAIL 33 / S4.2

NOTES:  
1. SEE FRAMING PLAN & NOTES

PROJECT

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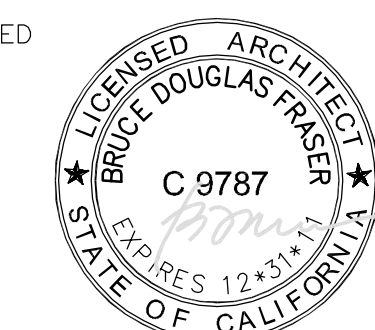
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DATES 05/05/11

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2	09/01/1

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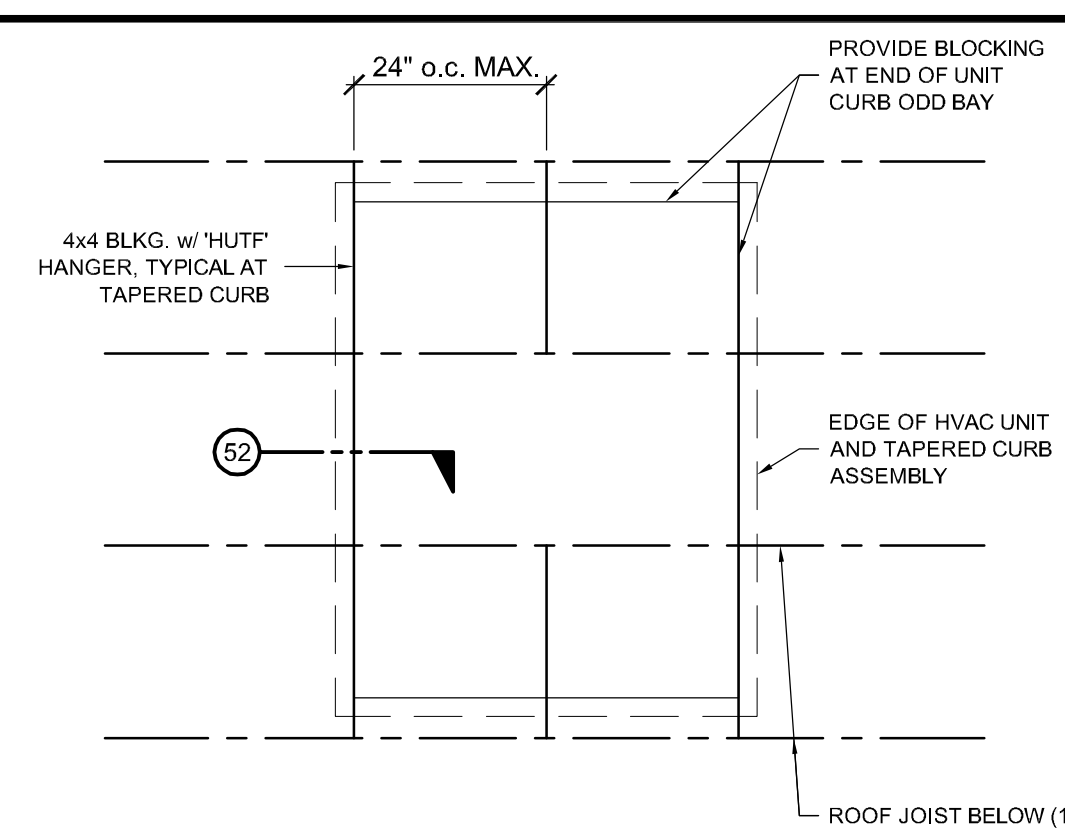
SHEET TITLE

## SHEET #

## S4.2

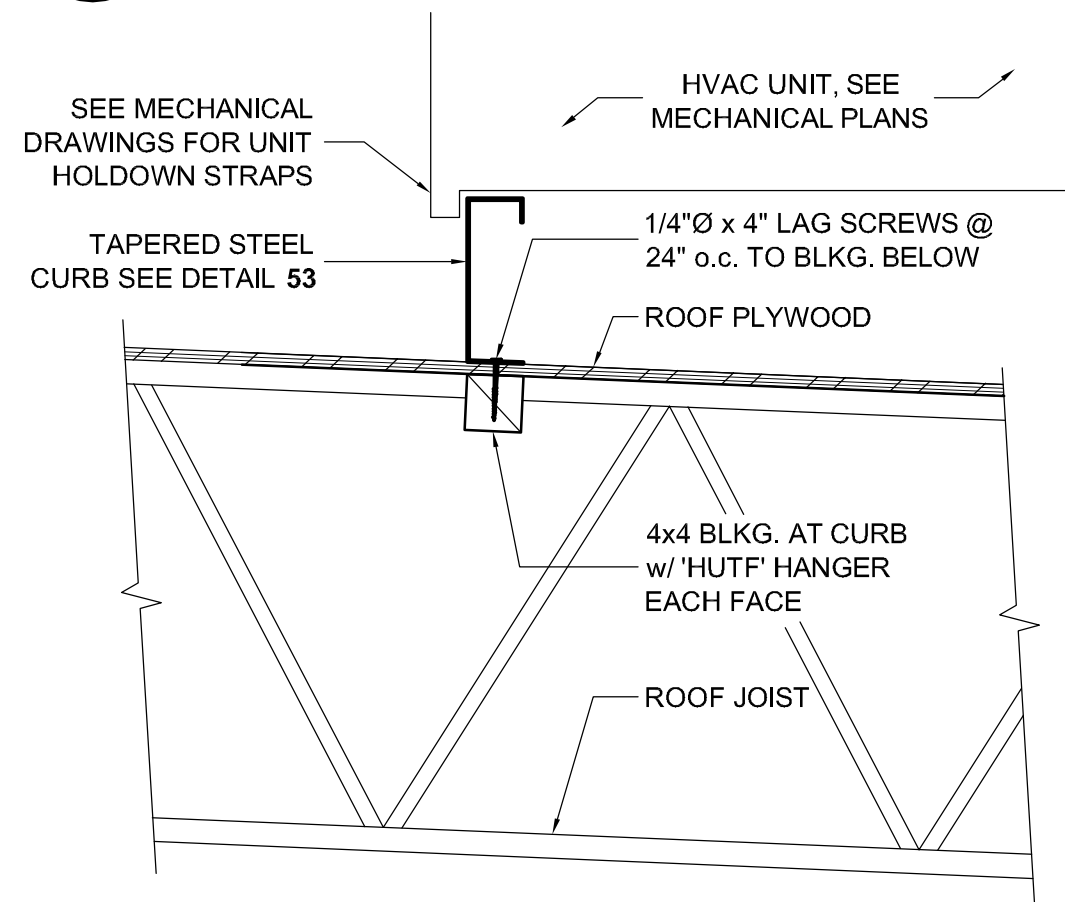


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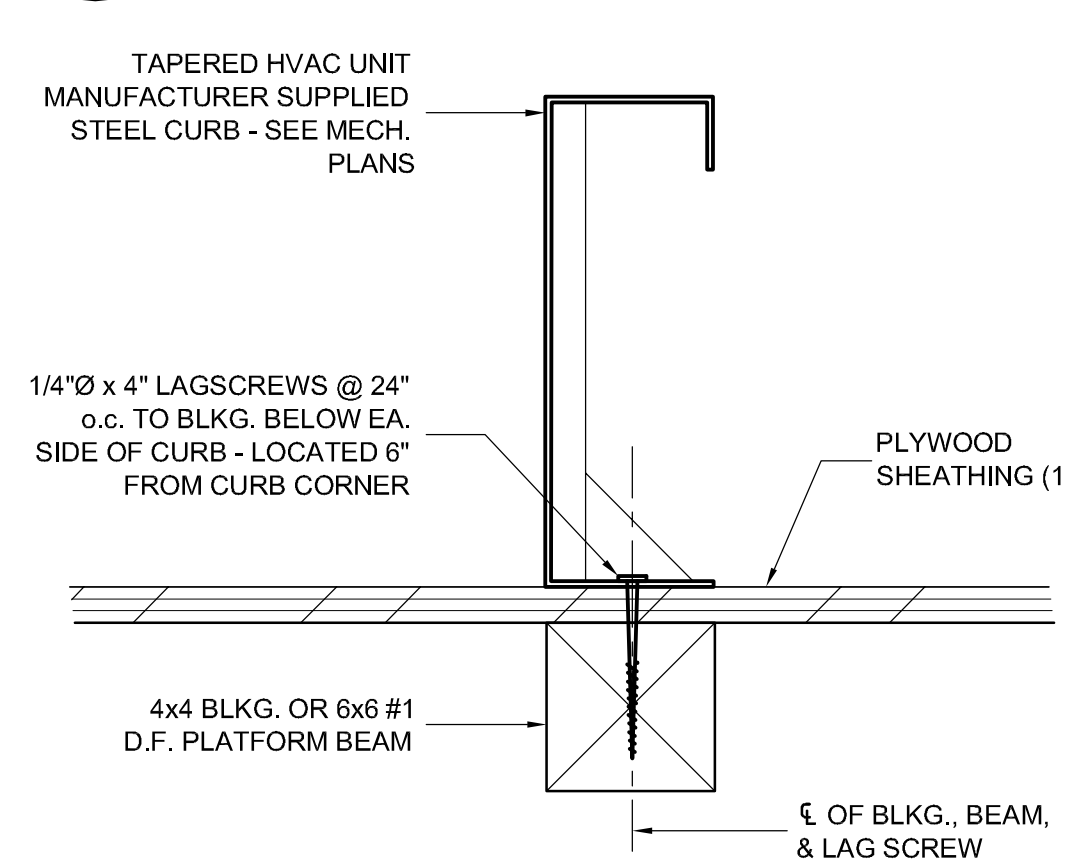


NOTES:  
1. SEE FRAMING PLAN & NOTES

51 HVAC FRAMING PLAN  
1/2" = 1' - 0"

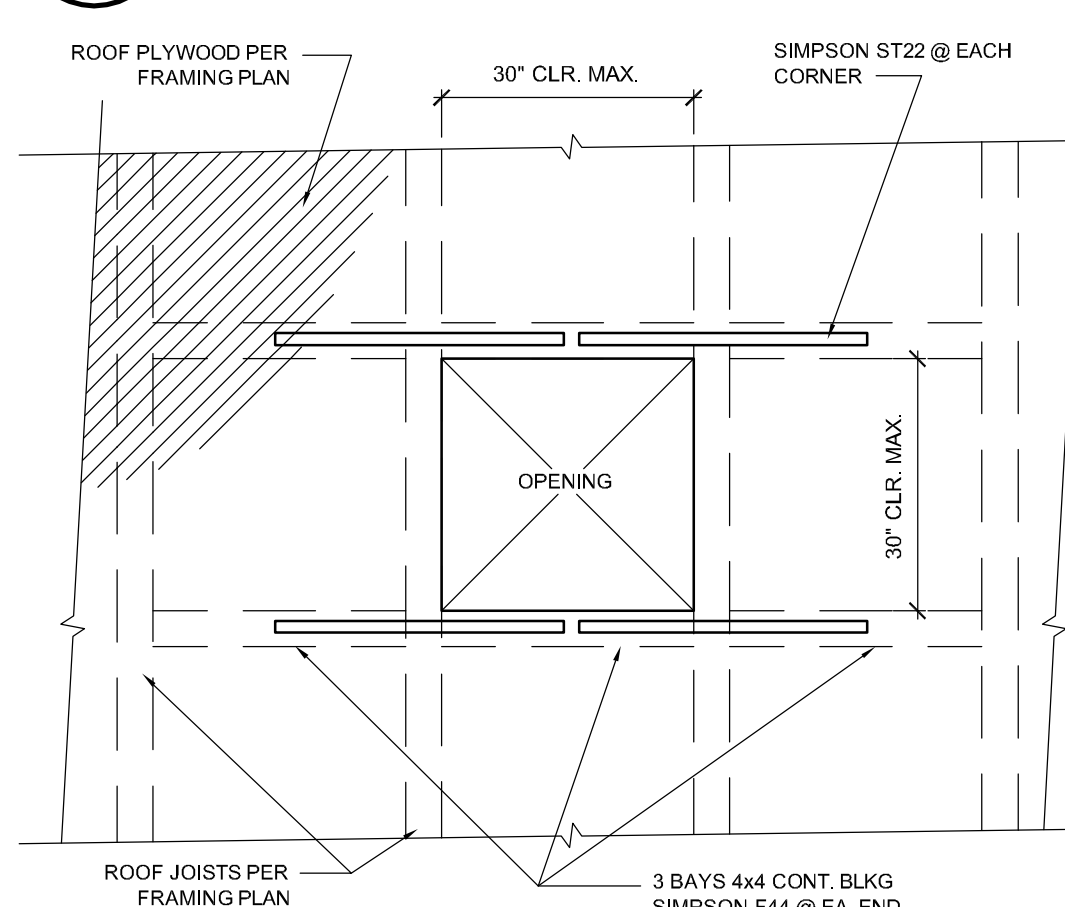


52 ROOF MOUNTED HVAC  
1" = 1' - 0"



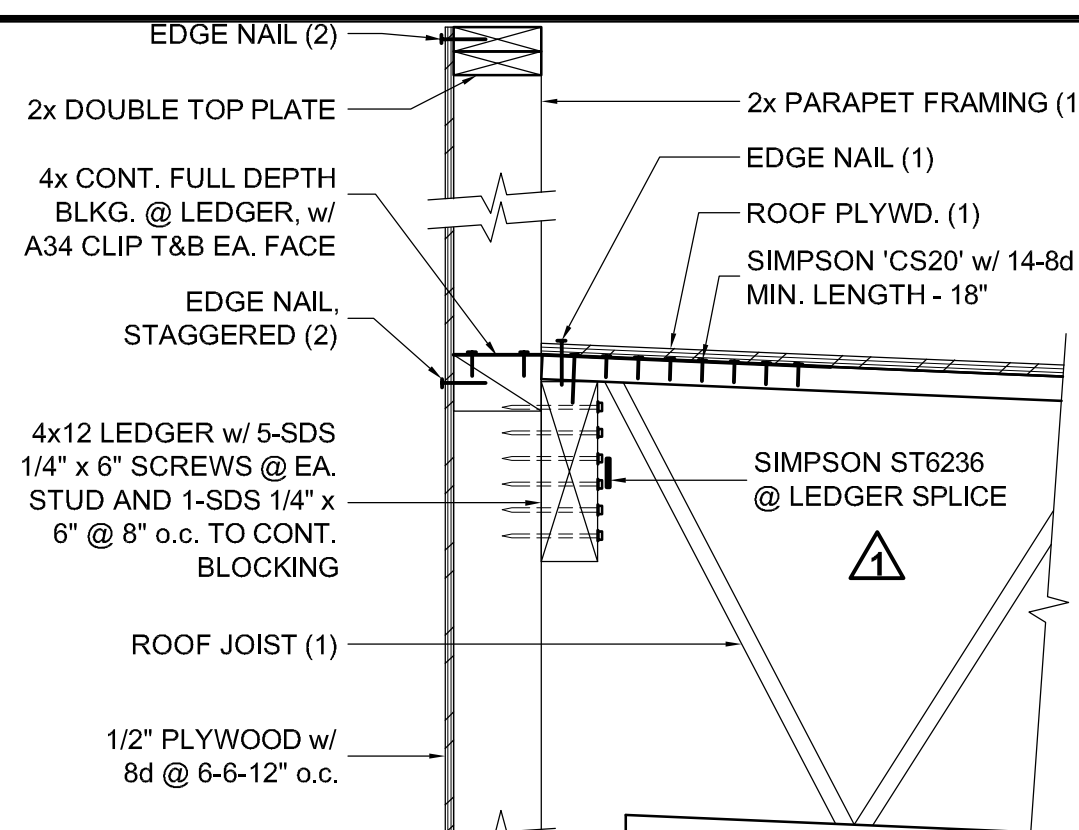
NOTES:  
1. SEE FRAMING PLAN & NOTES

53 HVAC CURB  
3" = 1' - 0"



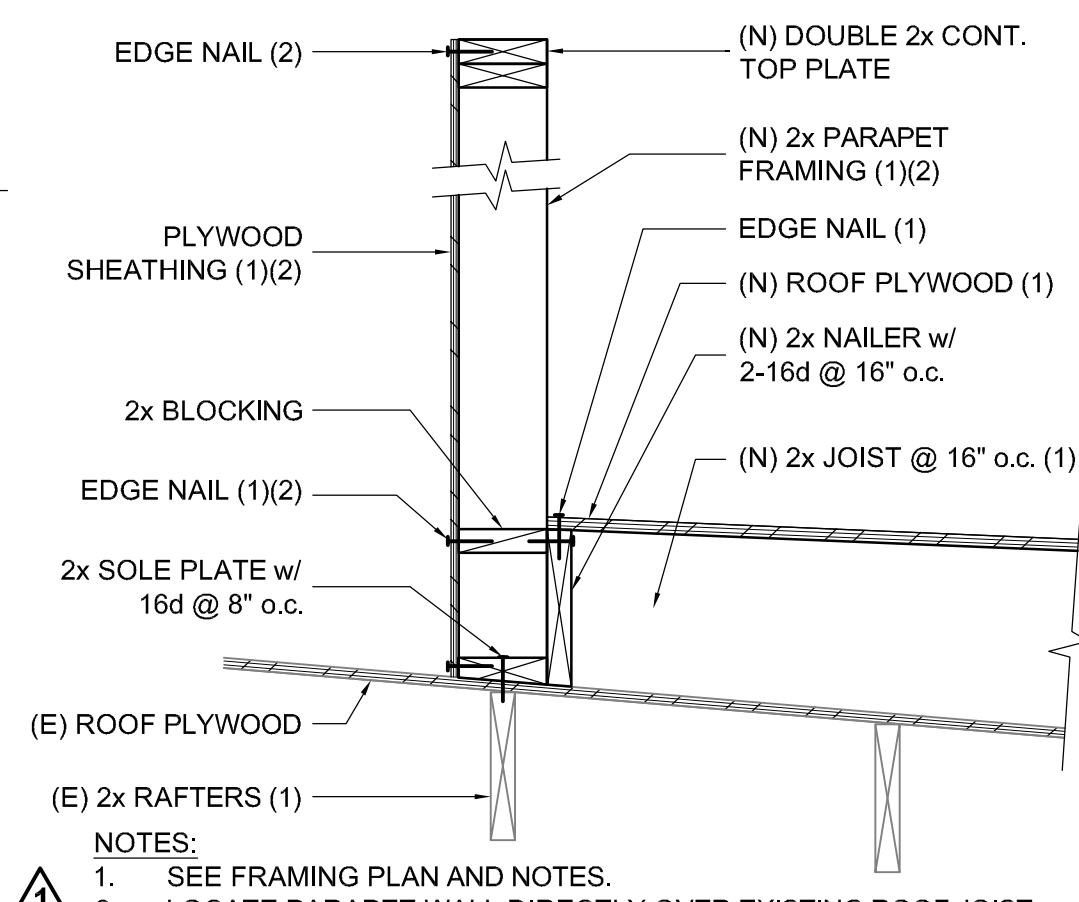
54 ROOF OPENING  
3/4" = 1' - 0"

D061XXXXA

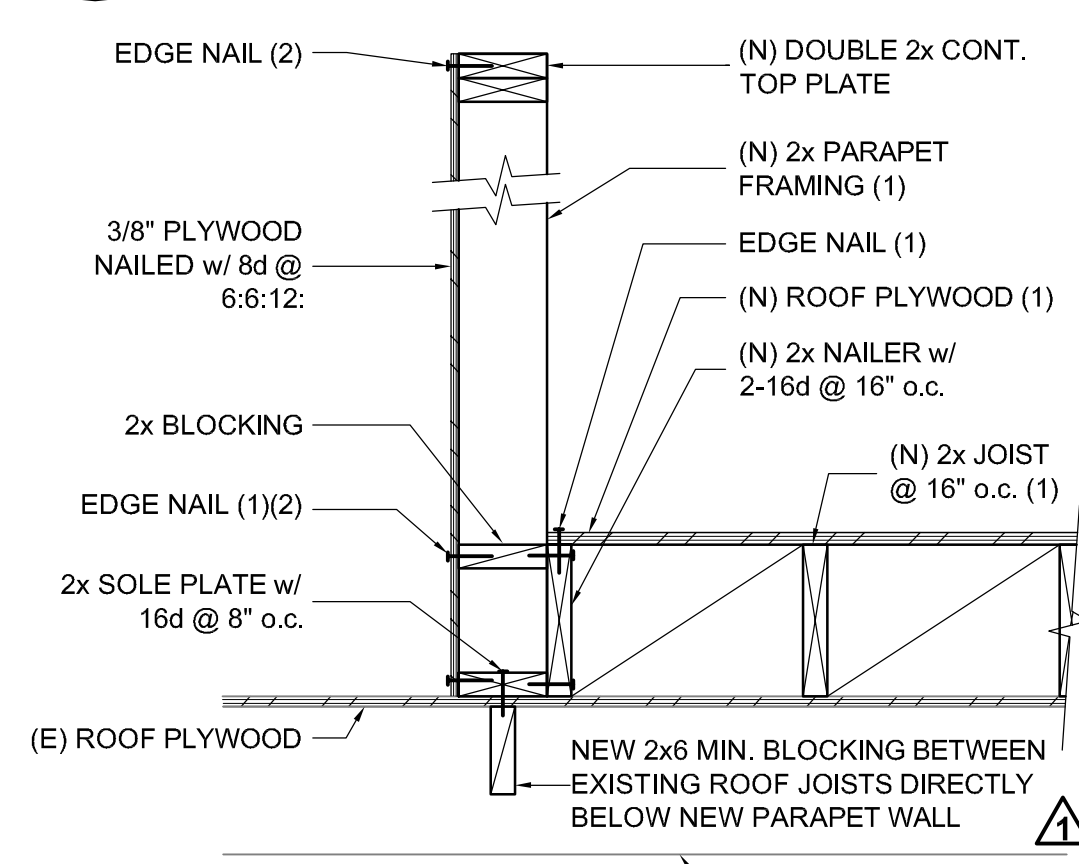


NOTES:  
1. SEE FRAMING PLAN & NOTES  
2. SEE SHEARWALL SCHEDULE

41 ROOF JOISTS AT PARAPET  
1" = 1' - 0"

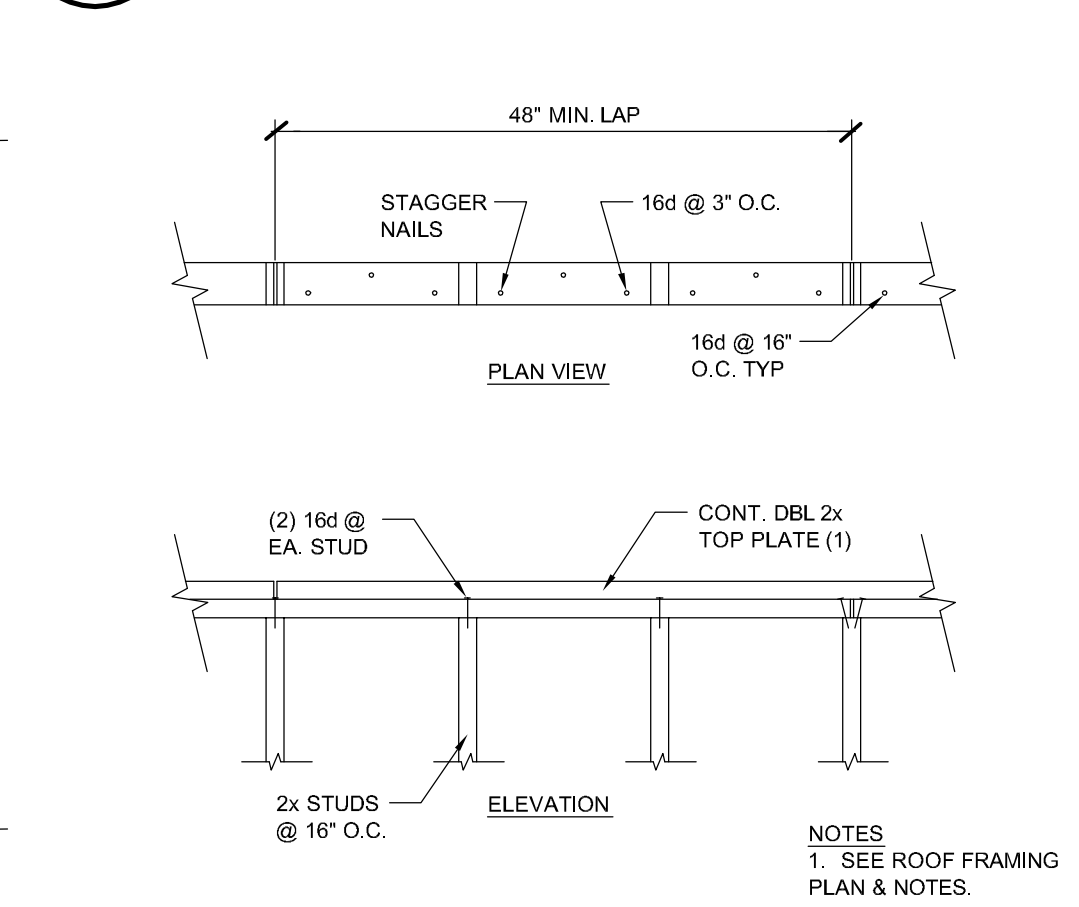


42 PARAPET WALL @ (E) ROOF  
1" = 1' - 0"



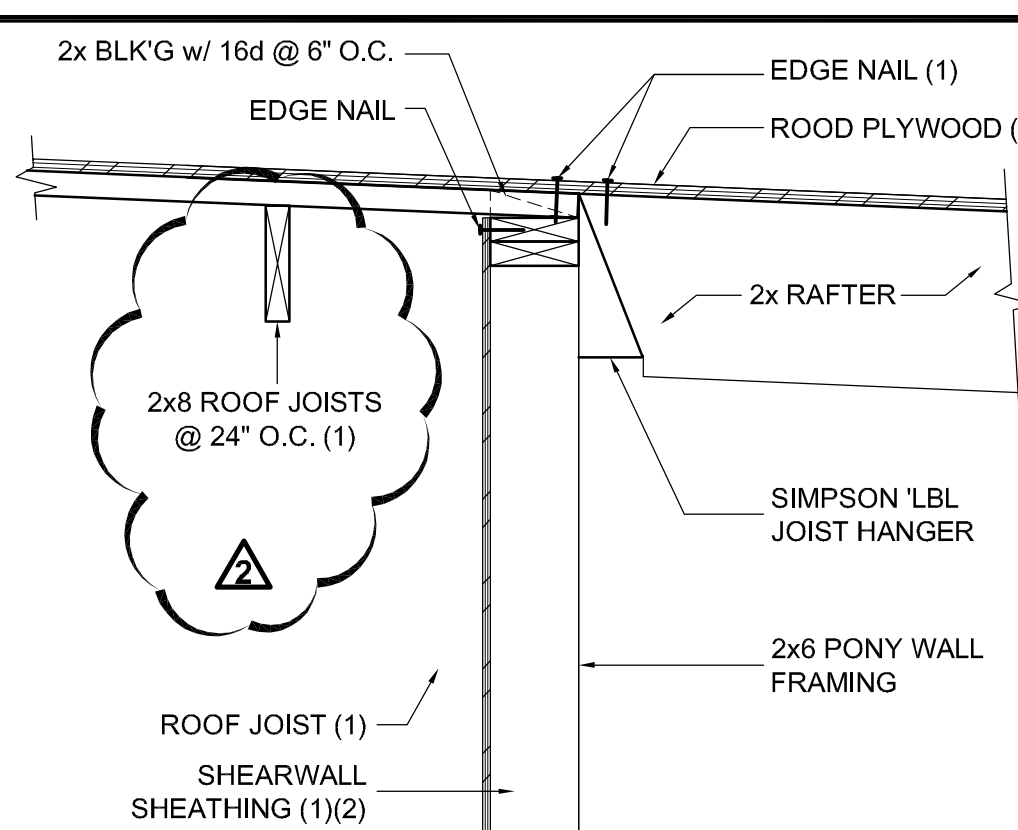
NOTES:  
1. SEE FRAMING PLAN AND NOTES.

43 PARAPET WALL @ (E) ROOF  
1" = 1' - 0"



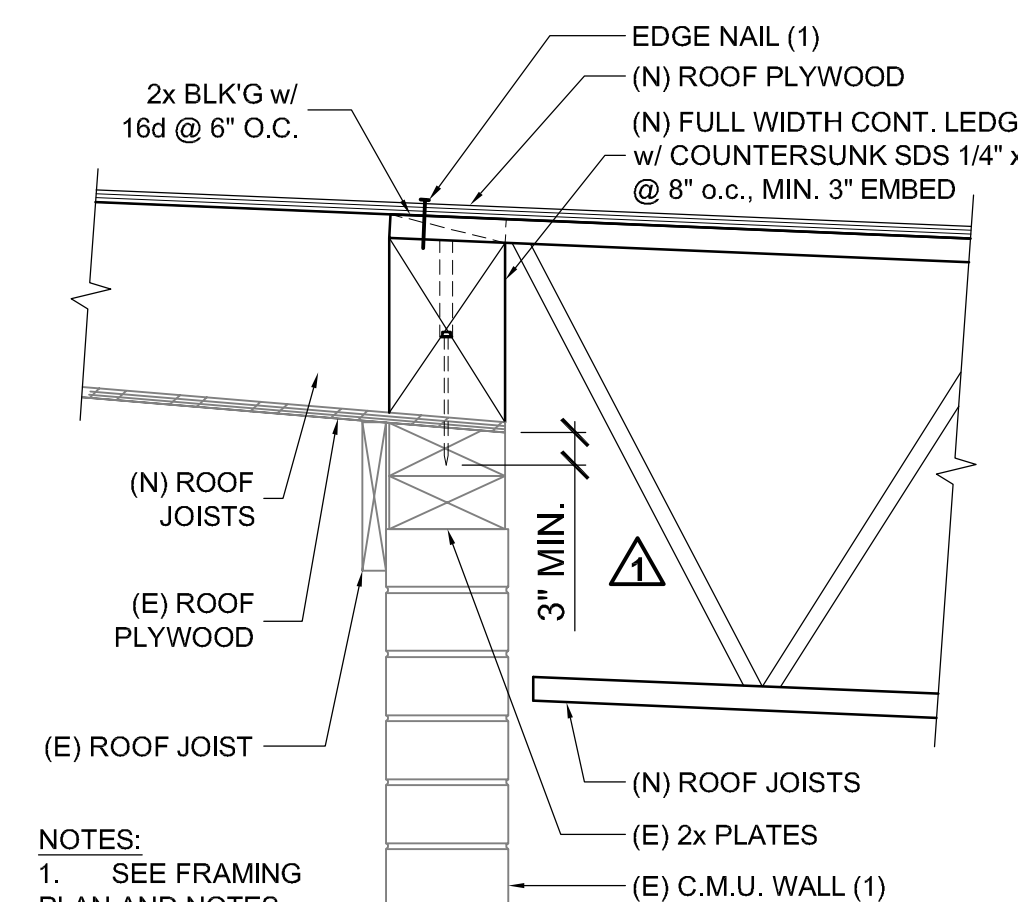
44 TYP. TOP PLATE SPLICE  
3/4" = 1' - 0"

D061253B

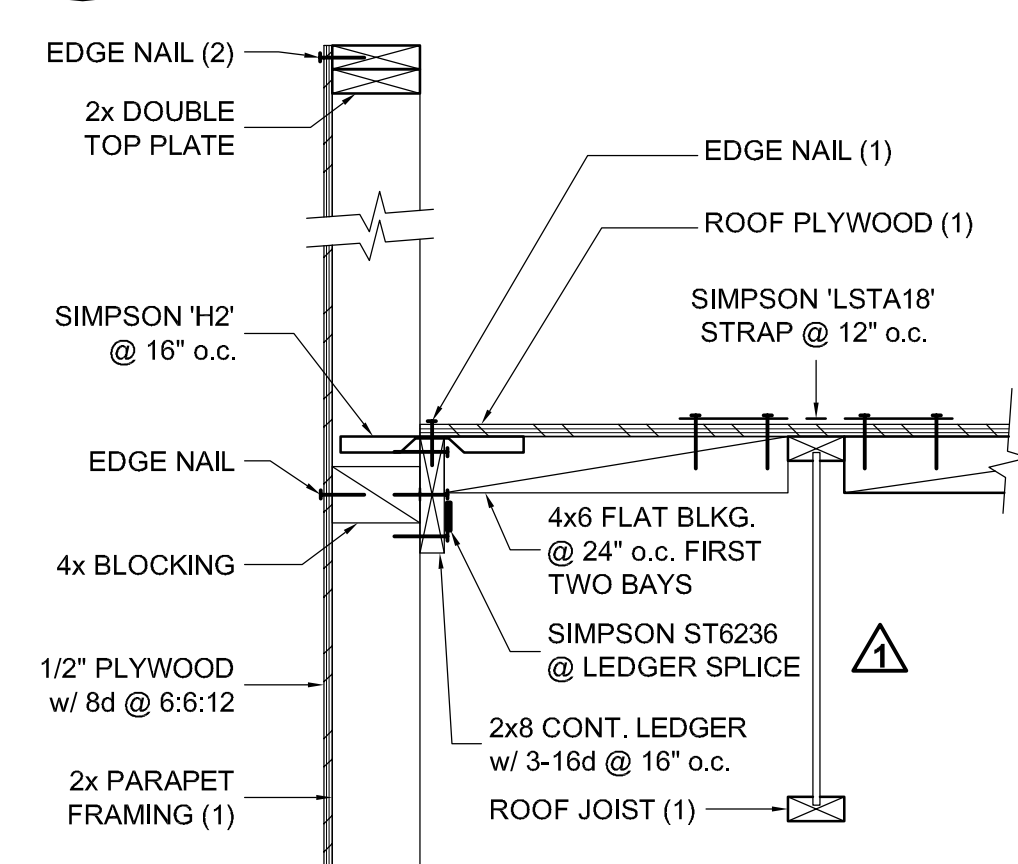


NOTES:  
1. SEE FRAMING PLAN & NOTES  
2. SEE SHEARWALL SCHEDULE

31 PONY WALL FRAMING  
1" = 1' - 0"

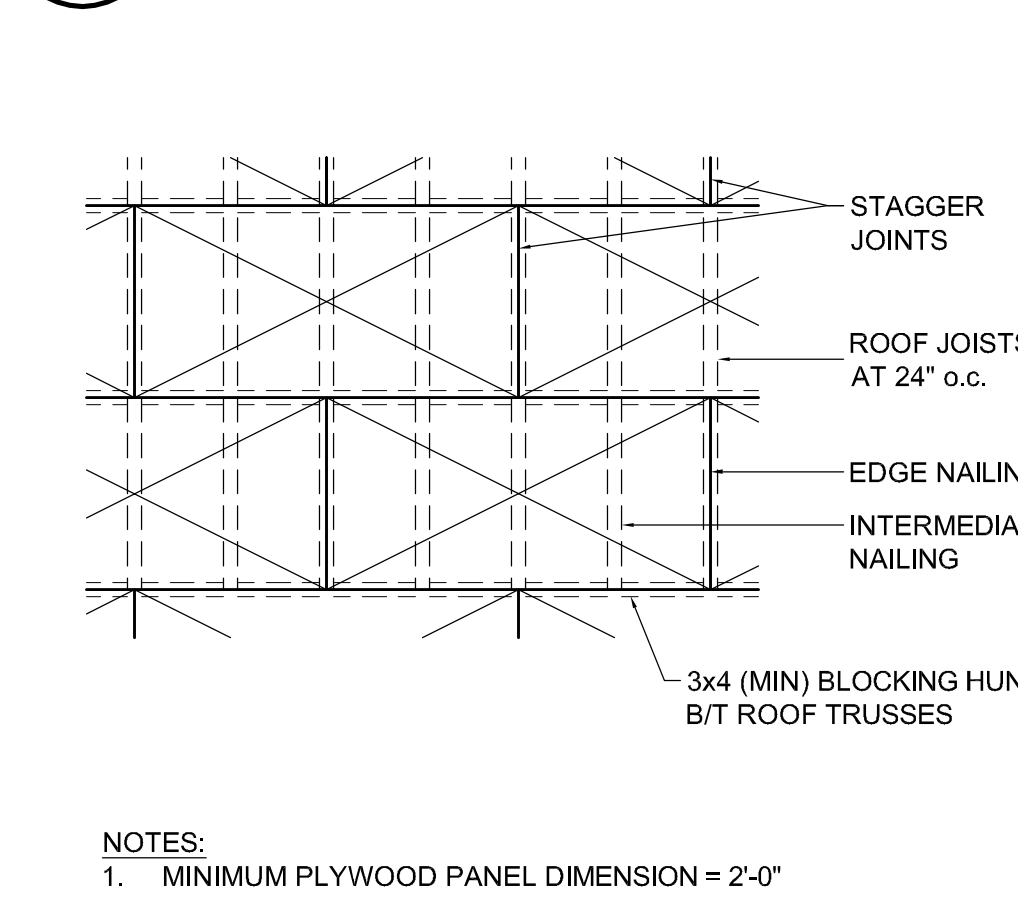


32 (N) JOISTS AT (E) WALL  
1" = 1' - 0"

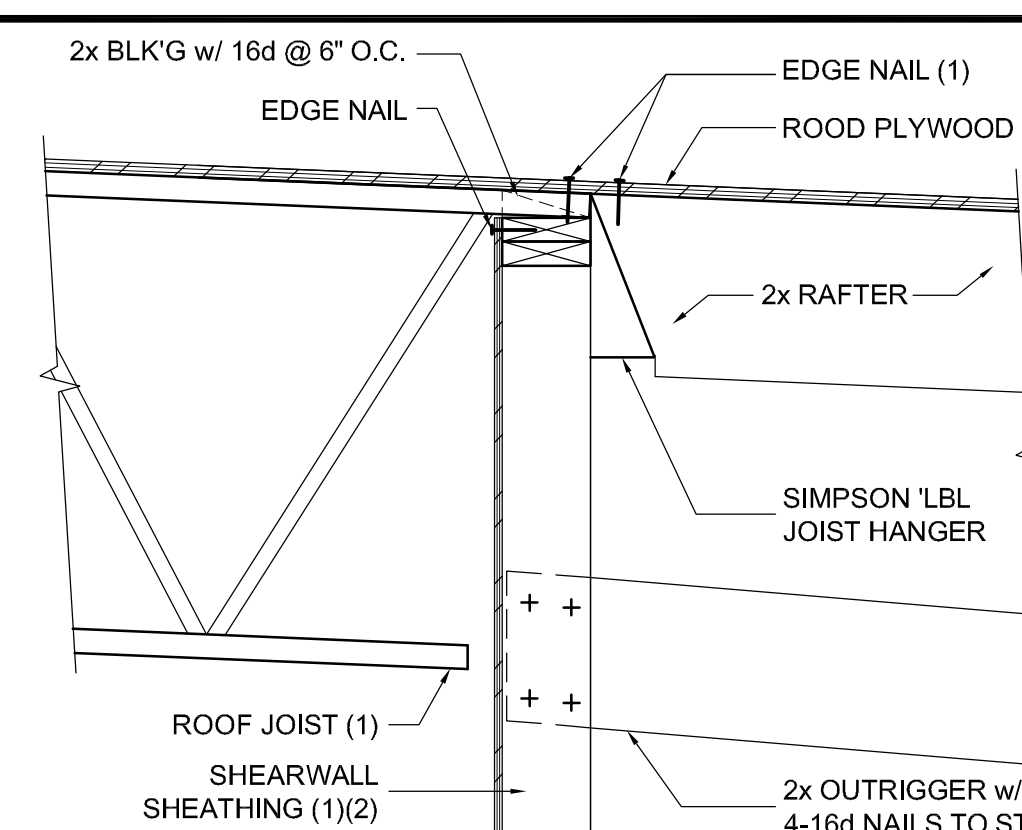


NOTES:  
1. SEE FRAMING PLAN & NOTES

33 PARAPET FRAMING  
1" = 1' - 0"

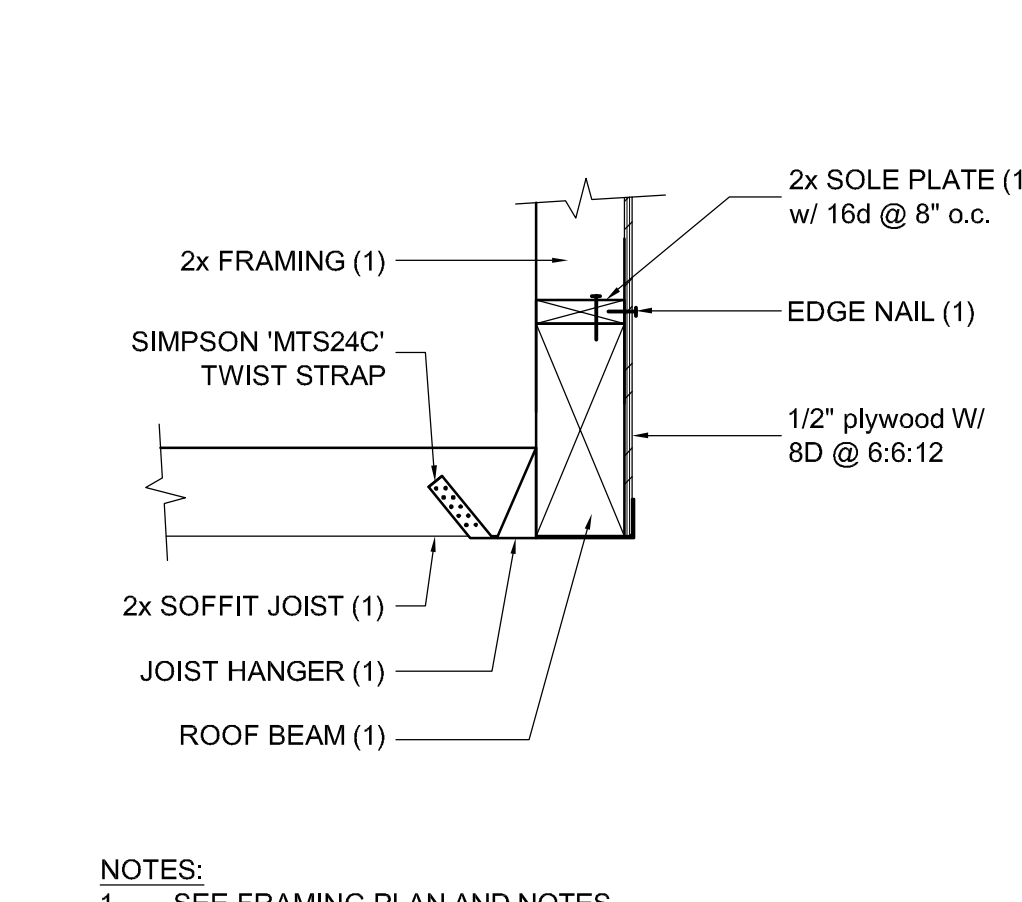


34 PLYWOOD SHEATHING  
1/4" = 1' - 0"

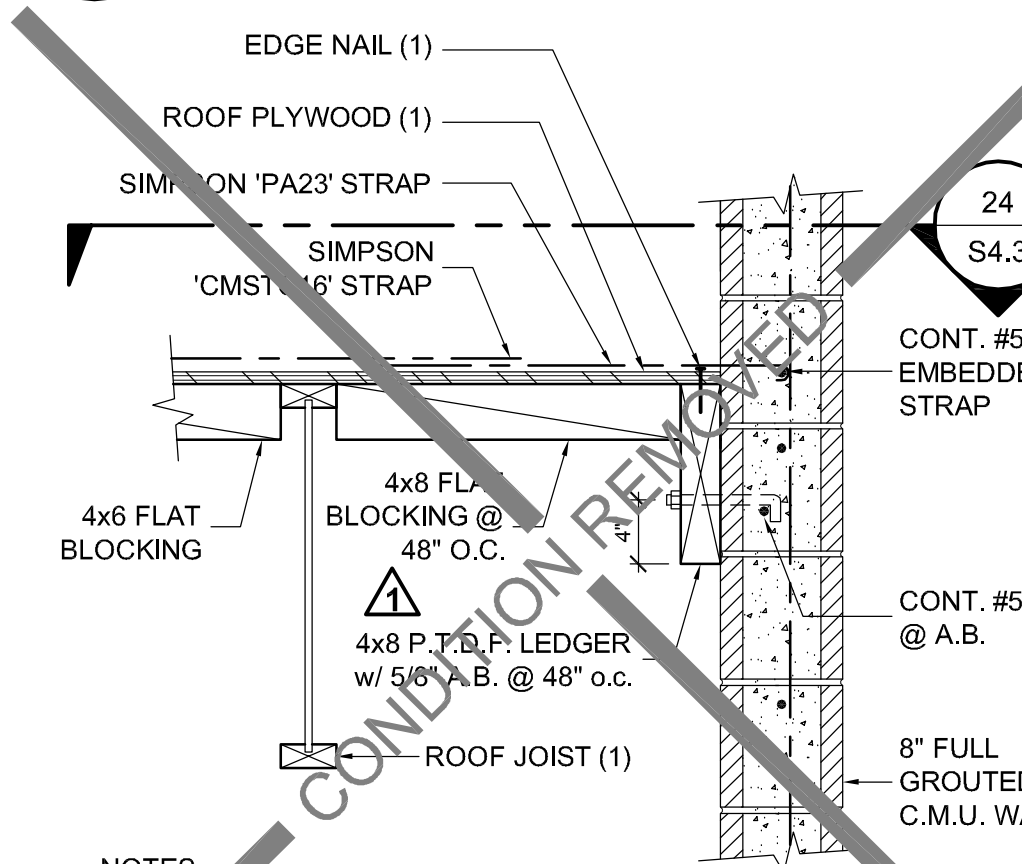


NOTES:  
1. SEE FRAMING PLAN & NOTES  
2. SEE SHEARWALL SCHEDULE

21 PONY WALL FRAMING  
1" = 1' - 0"

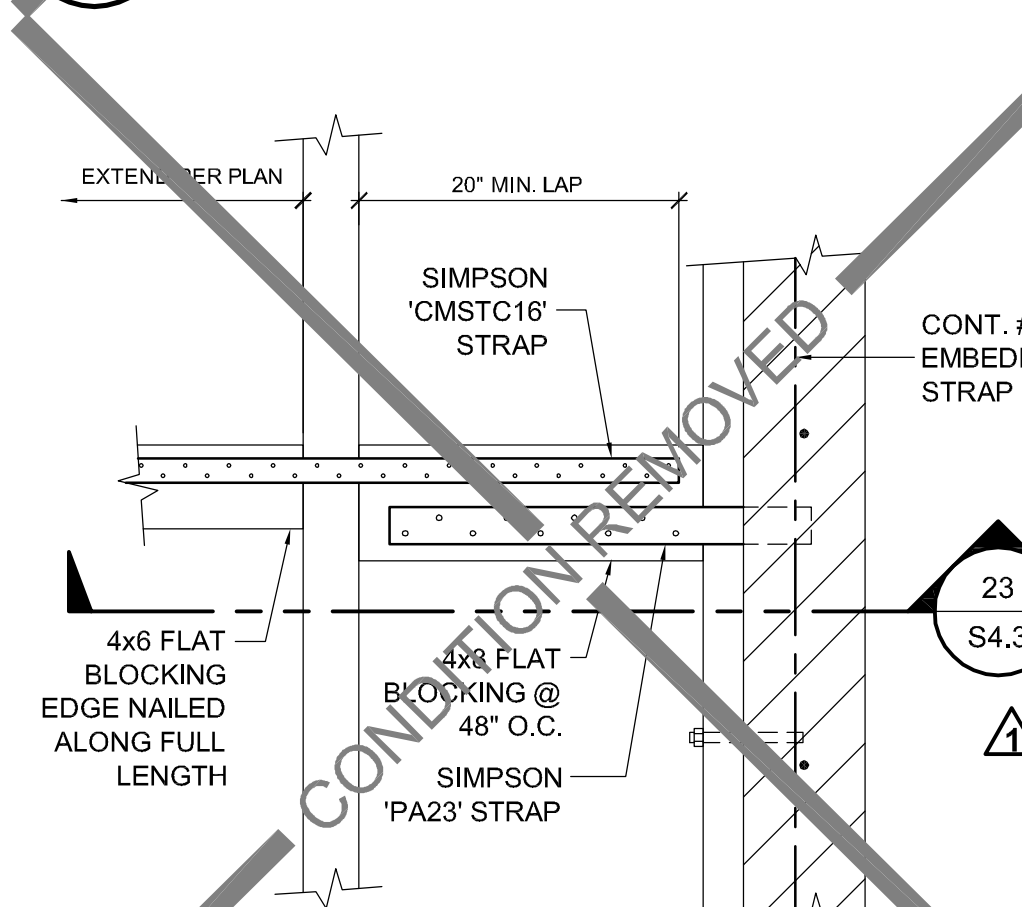


22 SOFFIT FRAMING  
1" = 1' - 0"

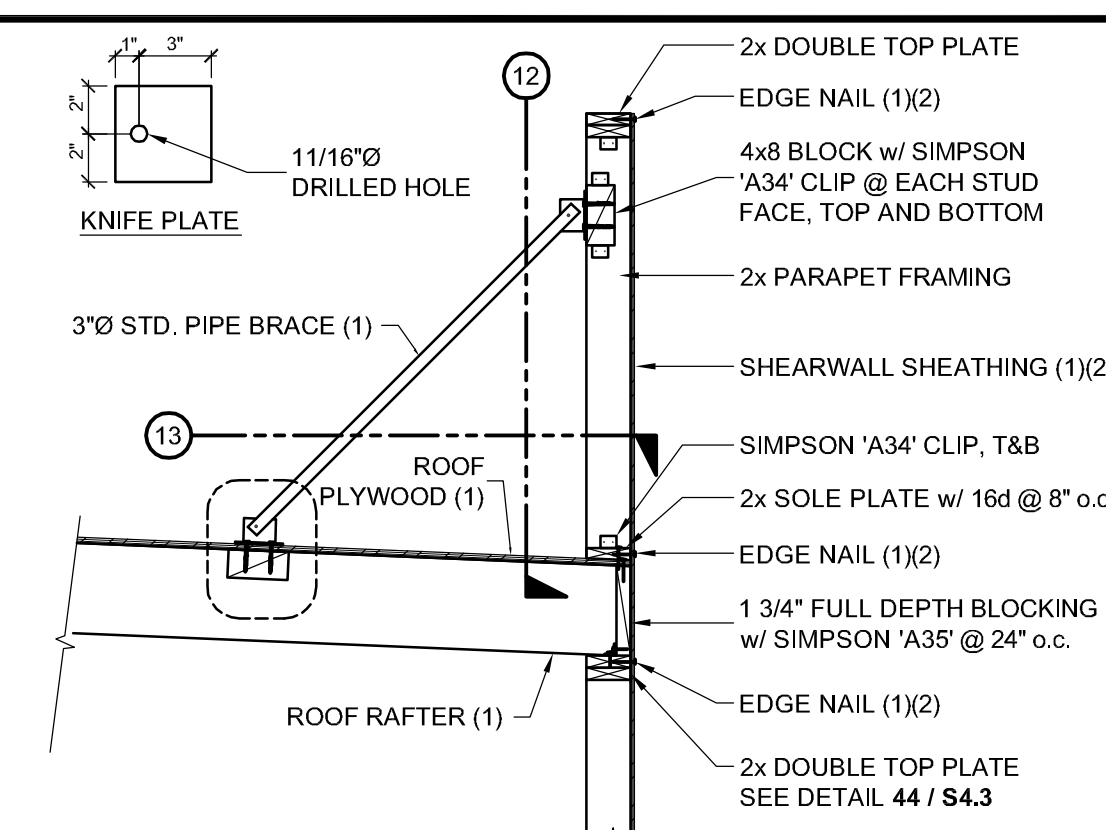


NOTES:  
1. SEE FRAMING PLAN AND NOTES.

23 ROOF RAKE AT C.M.U.  
1" = 1' - 0"

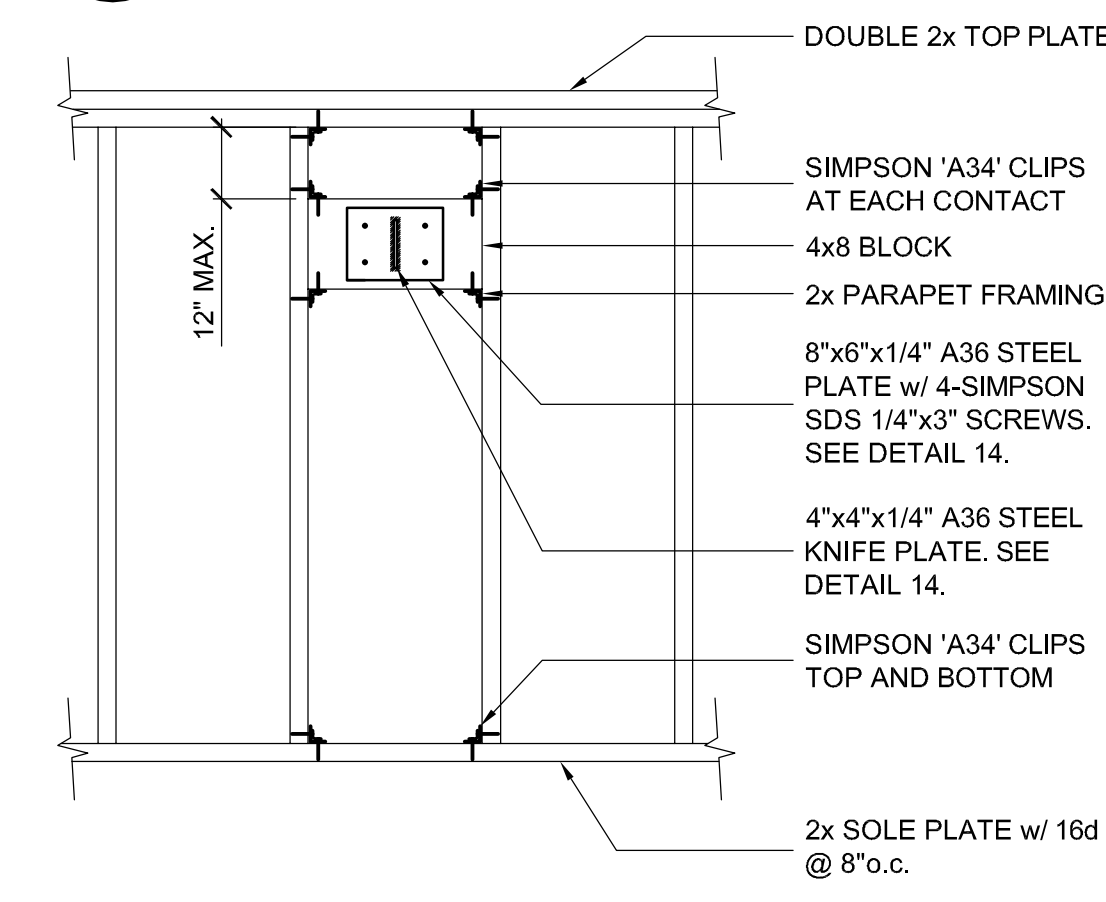


24 ROOF RAKE AT C.M.U. PLAN  
1" = 1' - 0"

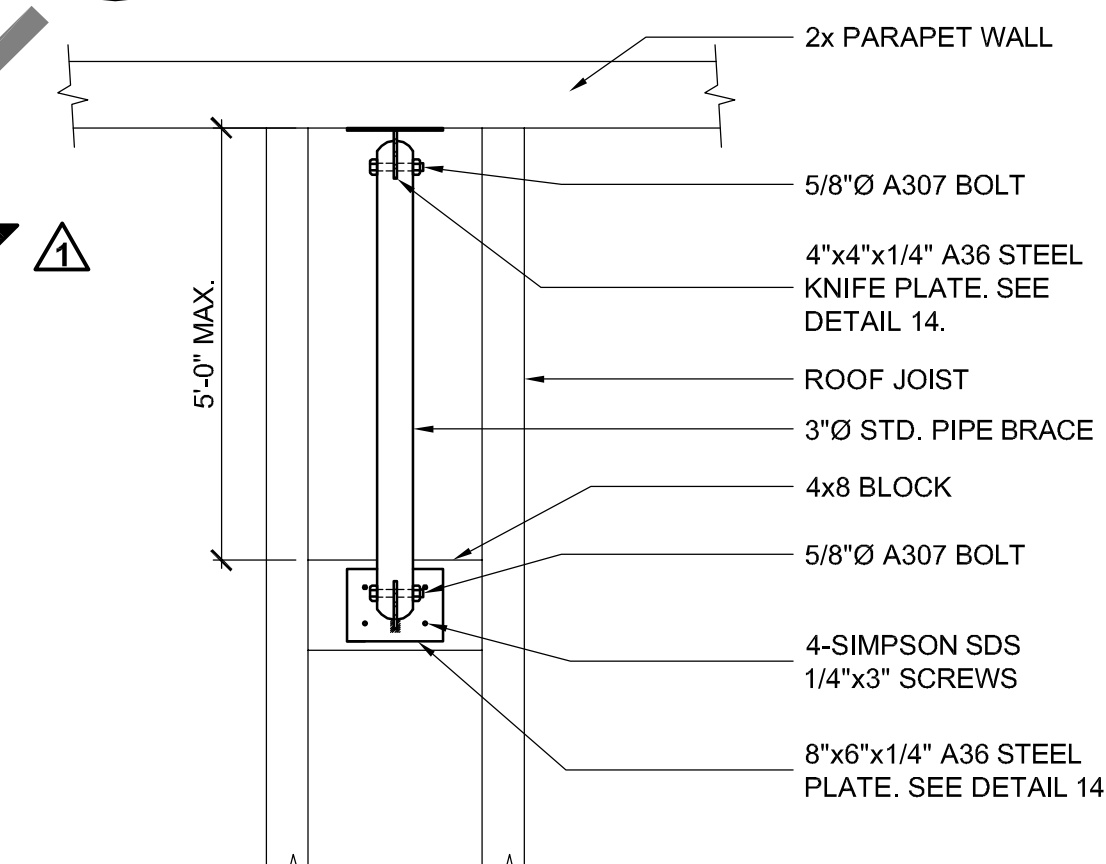


NOTES:  
1. SEE FRAMING PLAN AND NOTES.  
2. SEE SHEARWALL SCHEDULE AND NOTES.

11 PARAPET BRACING  
1/2" = 1' - 0"

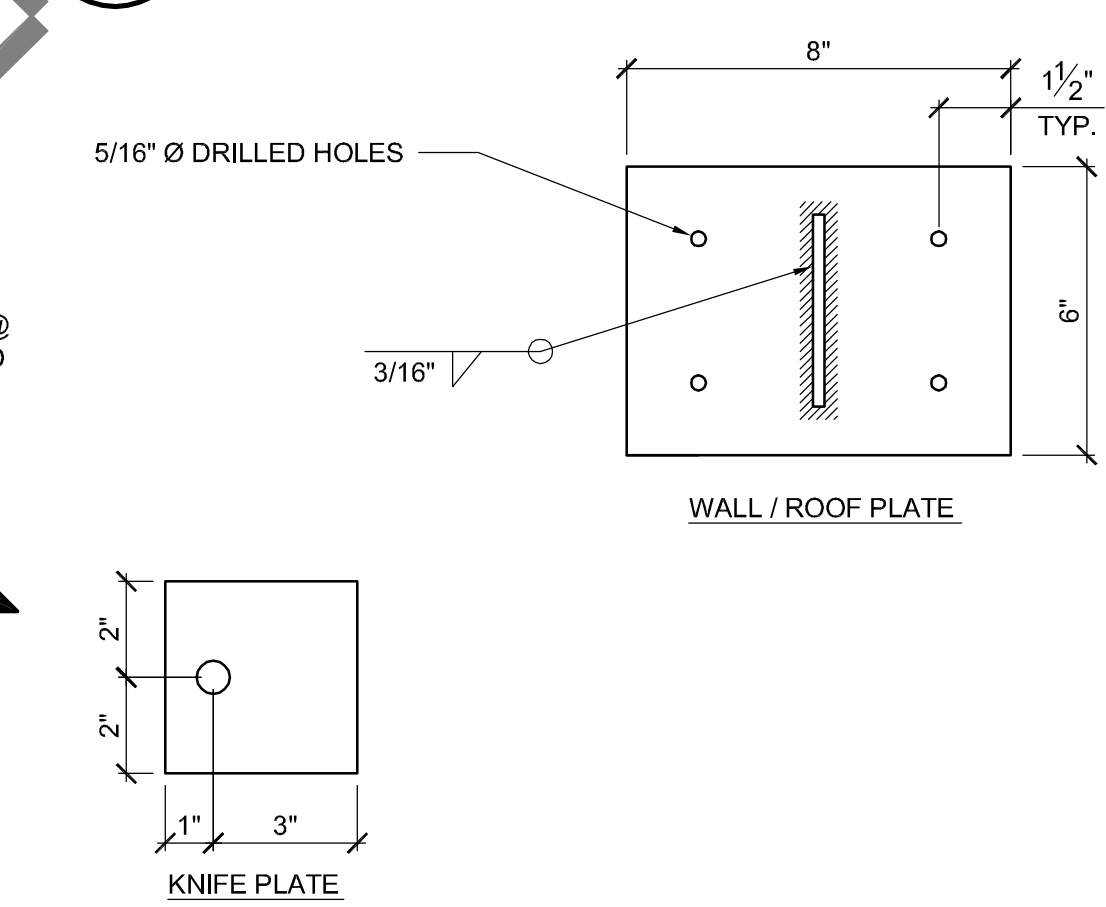


12 PARAPET BRACE ELEV.  
3/4" = 1' - 0"



NOTES:  
1. SEE FRAMING PLAN AND NOTES.

13 PARAPET BRACE PLAN  
3/4" = 1' - 0"



14 BRACE PLATES  
3" = 1' - 0"

PROJECT

**SUPERIOR COURT  
OF CALIFORNIA  
COUNTY OF SAN JOAQUIN**

**MANTECA BRANCH  
SITE AND BUILDING  
IMPROVEMENTS**

**PHASE 1**

CLIENT JOB # ARCHITECT JOB #  
1007

**FRASER  
SEIPLE  
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SAN LUIS OBISPO  
CALIFORNIA 93401

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PROJECT MANAGER BDF

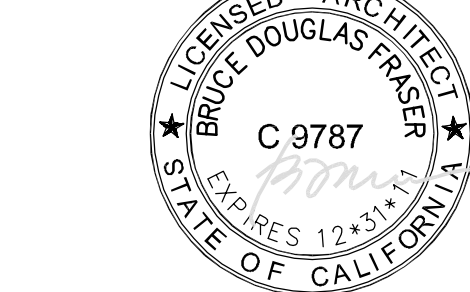
DRAWN BY DL

DATES 05/05/11

06/20/11

09/01/11

SIGNED



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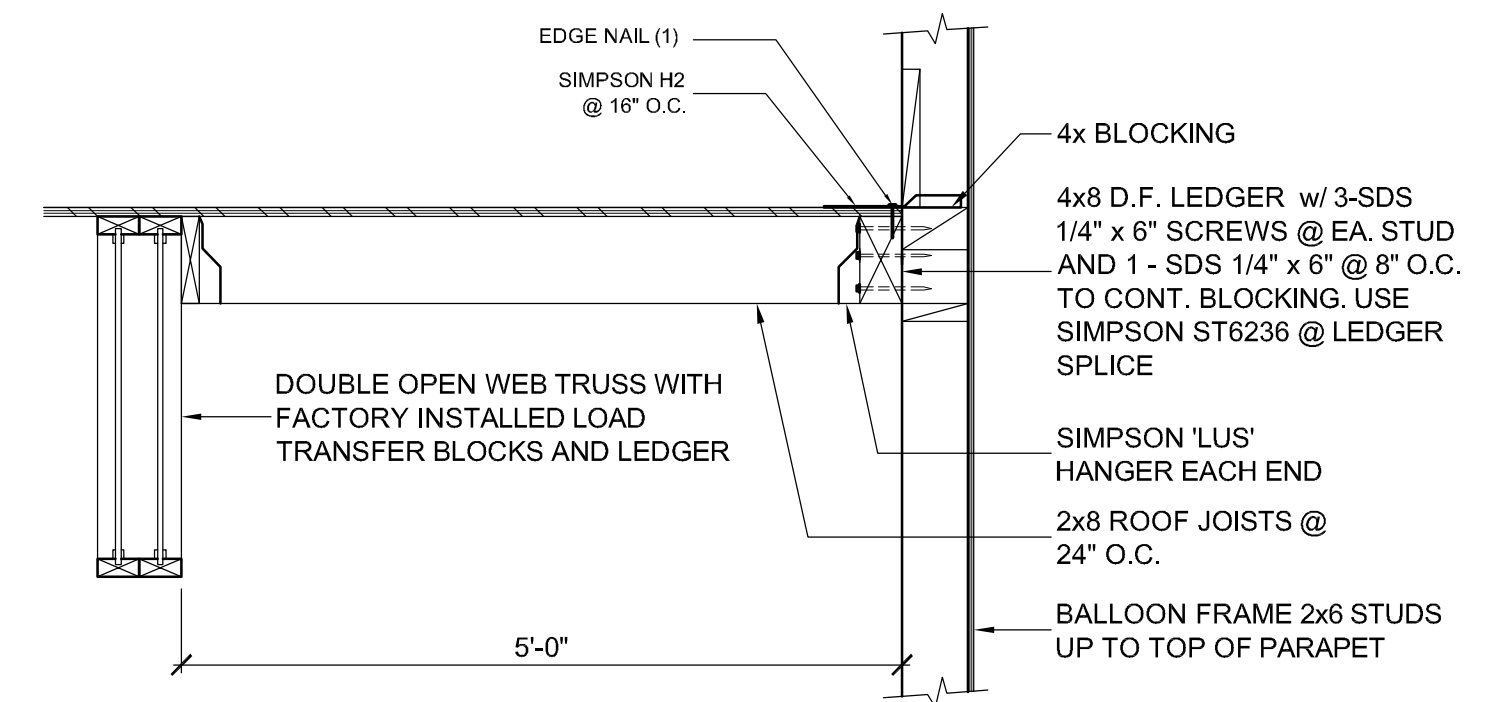
Written dimensions on these drawings shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and existing conditions on the job and shall report any discrepancies to the architect for resolution prior to commencing work.

SHEET TITLE

**STRUCTURAL  
DETAILS**

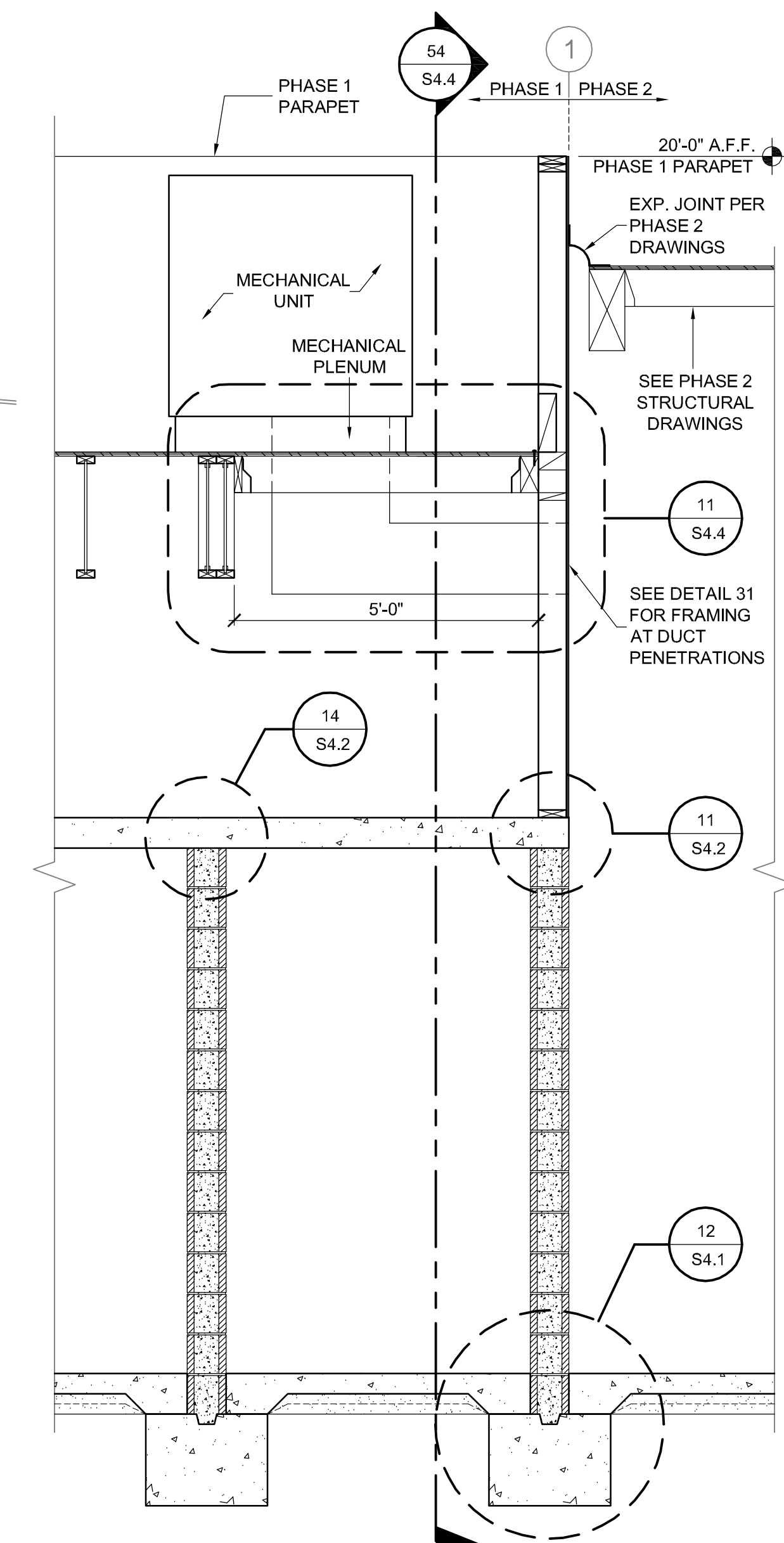
SHEET #

**S4.3**



21 PARAPET WALL @ SOFFIT  
1" = 1' - 0"

11 PARAPET FRAMING ALONG GRID LINE 1  
3/4" = 1' - 0"



14 PHASE 1 & 2 PARTY WALL  
1/2"= 1'-0"

## S4.4



## GENERAL NOTES

MECHANICAL/PLUMBING WORK CONSISTS OF ALL LABOR, MATERIALS, EQUIPMENT, AND SERVICES NECESSARY FOR AND INCIDENTAL TO THE EXECUTION AND COMPLETION OF THE SYSTEMS AS INDICATED ON THESE DRAWINGS.

### SUBMITTAL REQUIREMENTS:

- WITHIN 15 DAYS OF CONTRACT AWARD, THE MECHANICAL/PLUMBING CONTRACTOR SHALL SUBMIT COMPLETE APPLICABLE PRODUCT, EQUIPMENT, AND MATERIAL INFORMATION IN THE FORM OF AN ELECTRONIC SUBMITTAL (PDF). NO PRODUCT, EQUIPMENT, OR MATERIAL SHALL BE ORDERED OR INSTALLED UNTIL SUBMITTALS ARE APPROVED BY THE MECHANICAL ENGINEER. ANY ITEM NOT INCLUDED IN THE SUBMITTAL SHALL BE PROVIDED WITHOUT SUBSTITUTION. SUBMITTAL INFORMATION SHALL INCLUDE: MANUFACTURER'S NAME AND CATALOGUE NUMBERS, DIMENSIONS, CAPACITIES, PERFORMANCE CURVES, AND ALL OTHER CHARACTERISTICS AND ACCESSORIES AS LISTED IN THE CONTRACT DOCUMENTS. THE INFORMATION SHALL BE CURRENT MANUFACTURER'S SUBMITTALS AND BROCHURES.

- SUBMITTALS FOR ANY EQUIPMENT SUBSTITUTED AS EQUIVALENT TO THE SCHEDULED EQUIPMENT SHALL INCLUDE TABULATED COMPARISON DATA SO AS TO CLEARLY DEMONSTRATE EQUIVALENCY. THIS DATA SHALL SPECIFICALLY INCLUDE COMPARISONS BETWEEN SCHEDULED AND PROPOSED EQUIPMENT IN THE FOLLOWING AREAS:

- WEIGHT (INCLUDING CURBS AND ACCESSORIES)
- DIMENSIONS
- ELECTRICAL AND GAS REQUIREMENTS (VOLTAGE, PHASE, FULL LOAD AMPS & BTU)
- SOUND LEVELS (WHERE APPLICABLE)
- PERFORMANCE (EFFICIENCIES, HEATING, COOLING, AIR FLOW, STATIC PRESS.)

- ALL WORK INDICATED ON THESE PLANS SHALL BE DONE IN COMPLIANCE WITH CURRENT STATE AND LOCAL CODES AND ALL APPLICABLE CALIFORNIA TITLE-24 REQUIREMENTS. IN THE EVENT OF CONFLICT BETWEEN CODES, THE MORE RESTRICTIVE REQUIREMENTS SHALL BE EXERCISED.

- NOTHING IN THESE DRAWINGS AND/OR SPECIFICATIONS SHALL BE INTERPRETED TO CONFLICT WITH ANY CITY OR STATE LAW, REGULATION, CODE, ORDINANCE, RULING, OR FIRE UNDERWRITER'S REQUIREMENT APPLICABLE TO THIS CLASS OF WORK.

- CONSTRUCTION AND/OR ENGINEERING COSTS RESULTING FROM PRODUCT SUBSTITUTIONS SHALL BE PAID BY THE MECHANICAL/PLUMBING CONTRACTOR. APPROVAL OF SUBSTITUTED PRODUCTS DOES NOT NEGATE THIS OBLIGATION.

- THE MECHANICAL/PLUMBING CONTRACTOR SHALL COORDINATE THE INSTALLATION OF AIR TERMINALS WITH THE REFLECTED CEILING PLAN, AND VERIFY CORRECT LOCATION OF EQUIPMENT, PIPING, AND PLUMBING SERVICES BEFORE PROCEEDING WITH INSTALLATION.

- ALL LOCATIONS OF DUCTWORK, EQUIPMENT AND PIPING ARE SHOWN DIAGRAMMATICALLY. THE MECHANICAL/PLUMBING CONTRACTOR SHALL ADHERE TO LOCATIONS INDICATED ON THE DRAWINGS AS CLOSELY AS POSSIBLE, VARYING PIPE RUNS AS REQUIRED TO MEET STRUCTURAL AND OTHER INTERFERENCES AS REQUIRED BY THE PROJECT.

- THE MECHANICAL/PLUMBING CONTRACTOR SHALL PROVIDE ACCESS PANELS WHERE REQUIRED FOR ALL PLUMBING-RELATED EQUIPMENT, ACCESSORIES, AND CONTROLS.

- DUCT DIMENSIONS SHOWN ARE INTERNAL.

- ALL EQUIPMENT SHALL BE FURNISHED AND INSTALLED WITH AT LEAST THE MANUFACTURER'S MINIMUM RECOMMENDED CLEARANCE ALLOWANCE FOR SUFFICIENT ACCESS TO CONTROLS, FILTERS, ELECTRIC MOTORS, ETC. FOR MAINTENANCE AND PROPER OPERATION.

- ALL MECHANICAL/PLUMBING DUCTING, PIPING, AND EQUIPMENT SHALL BE PROVIDED WITH SEISMIC RESTRAINING SERVICES AS REQUIRED BY LOCAL BUILDING CODES.

- THE WORK UNDER THIS SECTION SHALL BE IN COOPERATION WITH THE WORK OF OTHER TRADES TO PREVENT CONFLICT OR INTERFERENCE AND TO AID RAPID COMPLETION OF THE OVERALL PROJECT.

- THE MECHANICAL/PLUMBING CONTRACTOR SHALL GUARANTEE THAT THE SYSTEMS INSTALLED ARE IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS, AND WILL WARRANT ALL EQUIPMENT, MATERIALS, AND LABOR FURNISHED UNDER THIS CONTRACT TO BE FREE FROM DEFECTS FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION. THE MECHANICAL/PLUMBING CONTRACTOR SHALL REPAIR OR REPLACE ANY EQUIPMENT OR MATERIAL, WHICH IS DEFECTIVE OR IMPROPERLY INSTALLED. IN ADDITION, THE MECHANICAL/PLUMBING CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY DAMAGE TO THE BUILDINGS AND ITS CONTENTS OR OTHER EQUIPMENT, CAUSED BY DEFECTS OR IMPROPER INSTALLATION OF EQUIPMENT OR MATERIALS INSTALLED UNDER THIS SECTION OF THE SPECIFICATIONS. IN THE EVENT OF FAILURE TO COMPLY WITH THE ABOVE-MENTIONED CONDITIONS WITHIN TEN (10) DAYS AFTER BEING NOTIFIED IN WRITING, THE MECHANICAL/PLUMBING CONTRACTOR SHALL COLLECTIVELY OR SEPARATELY AUTHORIZE THE OWNER TO PROCEED TO HAVE SAID DEFECTS REPAIRED AND MADE GOOD AT THE CONTRACTORS EXPENSE. THE CONTRACTOR WILL HONOR AND PAY THE SAID COSTS AND CHARGES ON DEMAND.

- BY JVA MECHANICAL ENGINEERING ALL COMMON LAW COPYRIGHT AND OTHER PROPERTY RIGHTS RESERVED THESE DOCUMENTS AS ORIGINAL AND UNPUBLISHED WORK PRODUCT OF JVA MECHANICAL ENGINEERING AND THIS WORK SHALL NOT BE COPIED, DISCLOSED, OR USED IN CONNECTION WITH ANY WORK PROJECT OTHER THAN THE SPECIFIC PROJECT FOR WHICH IT HAS BEEN PREPARED OR ASSIGNED TO ANY THIRD PARTY WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN CONSENT OF JVA MECHANICAL ENGINEERING VISUAL CONTACT WITH THIS DOCUMENT SHALL CONSTITUTE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS AND CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS OF THE JOB. UPON DISCOVERY OF ANY VARIATION, DISCREPANCY, OR OMISSIONS, PLEASE NOTIFY JVA MECHANICAL ENGINEERING AND PRIOR TO PROCEEDING WITH RELATED WORK OBTAIN WRITTEN RESOLUTION FROM JVA MECHANICAL ENGINEERING

- THE MECHANICAL/PLUMBING CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS OF THE JOB. UPON DISCOVERY OF ANY VARIATION, DISCREPANCY, OR OMISSIONS, NOTIFY JVA MECHANICAL ENGINEERING AND PRIOR TO PROCEEDING WITH RELATED WORK, OBTAIN WRITTEN RESOLUTION FROM JVA MECHANICAL ENGINEERING

MECHANICAL/PLUMBING: THE WORK UNDER THIS SECTION INCLUDES EVERYTHING NECESSARY FOR AND INCIDENTAL TO EXECUTING AND COMPLETING THE MECHANICAL/PLUMBING WORK, EXCEPT AS HERINAFTER SPECIFICALLY EXCLUDED. WORK INCLUDED SHALL BE AS INDICATED ON THE DRAWINGS COMPLETELY INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

- MECHANICAL EQUIPMENT
- AIR DISTRIBUTION
- CONTROLS
- START UP AND BALANCE
- SANITARY SOIL, WASTE, AND VENT SYSTEMS
- GAS PIPING
- CONDENSATE PIPING
- DOMESTIC WATER SYSTEMS
- PLUMBING FIXTURES AND EQUIPMENT
- REQUIRED SUPPORTS AND BLOCKING

RELATED WORK: THE FOLLOWING WORK SHALL NOT BE FURNISHED UNDER THIS SECTION OF THE SPECIFICATIONS BUT WILL BE INCLUDED IN OTHER SPECIFICATIONS SECTIONS:

- CUTTING, PATCHING, AND FURRING
- CONDUIT AND LINE VOLTAGE ELECTRICAL
- FINAL PAINTING
- ROOFING
- CONCRETE PLACEMENT

### RIGID ROUND DUCTWORK AND FITTINGS:

- ALL RIGID ROUND DUCTWORK SHALL BE UNITED SHEET METAL SPIRAL LOCKSEAM DUCT, OR APPROVED EQUIVALENT, MANUFACTURED FROM GALVANIZED STEEL MEETING THE ASTM A-527-71. ALL DUCT GAUGES SHALL CONFORM WITH CMC 2010 CHAPTER 6 & APPENDIX A

- ALL FITTINGS SHALL BE MANUFACTURER AS SEPARATE FITTINGS. NO BRANCH TAPS WILL BE ALLOWED.

### RECTANGULAR DUCTWORK:

- ALL RECTANGULAR DUCTWORK, FITTINGS, AND ACCESSORIES SHALL BE FABRICATED AND INSTALLED IN STRICT ACCORDANCE TO THE SMACNA "HVAC DUCT CONSTRUCTION STANDARDS" HANDBOOK, AND SHALL BE PRIME GRADE GALVANIZED STEEL SHEETS OF LOCK FORM QUALITY.

### INTERIOR DUCTWORK SEALING:

- PROVIDE COMPLETE SEALING OF ALL DUCT CONNECTIONS WITH 'UNI-MASTIC 181' FIBER REINFORCED DUCT SEALER BY MCGILL AIRSEAL PRODUCTS.

### DUCT INSULATION:

- EXTERNAL DUCT INSULATION SHALL BE APPLIED TO ALL HEATING AND/OR COOLING DUCTS NOT INTERNALLY INSULATED AND NOT WITHIN CONDITIONED SPACES. MANVILLE MICROTE FSK 1-1/2", R-SERIES, ALUMINUM FOIL REINFORCED WITH FIBERGLASS, SCRIM LAMINATED TO U.L. RATED KRAFT, WITH R=4.8, SHALL BE USED OR APPROVED EQUIVALENT. CIRCUMFERENTIAL AND LONGITUDINAL SEAMS SHALL BE LAPPED MINIMUM OF 2" AND SECURED WITH 3" WIDE PRESSURE SENSITIVE FOIL VAPOR BARRIER TAPE. FURTHER ATTACH INSULATION TO THE DUCTWORK BY SPIRALING WIRE AT 12" CENTERS ITS ENTIRE LENGTH. THE FINISHED PRODUCT SHALL BE VAPOR-PROOF AND FREE OF SAGS.

### CONTROLS:

- THERMOSTATS SHALL BE AS INDICATED ON PLANS AND MOUNTED SUCH THAT TOP OF THERMOSTAT BOX IS 48" ABOVE FINISHED FLOOR. ALL "LOW VOLTAGE" WIRE, WIRING, AND CONNECTIONS ARE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR. ALL THERMOSTATS SHALL BE PROGRAMMED TO PROVIDE ADEQUATE SETBACK DURING NON-OCCUPIED HOURS, AND FOR EVAPORATOR FANS TO RUN CONTINUOUSLY DURING OCCUPIED HOURS.

### EXECUTION (MECHANICAL):

- BENDING OR FORCING OF DUCTWORK IS NOT ALLOWED. USE FITTINGS FOR ALL OFFSETS OR CHANGES IN ALIGNMENT OF DUCTING.

- DUCTING SHALL BE FIRMLY HELD IN PLACE BY ADJUSTABLE HANGERS & SUPPORTS. ALL HANGERS AND SUPPORTS SHALL BE OF DESIGN WHICH WILL SUPPORT WEIGHT OF DUCT, INSULATION, AND PREVENT SAGGING. MAKESHIFT DEVICES ARE NOT ACCEPTABLE. PLUMBER'S TAPE IS NOT APPROVED.

- WHERE APPLICATIONS ARE NOT SPECIFICALLY COVERED IN THIS SECTION, FOLLOW MANUFACTURER'S INSTRUCTIONS. ALL DISCREPANCIES MUST BE REPORTED TO THE ARCHITECT FOR APPROVAL BEFORE STARTING WORK.

- ALL EXPOSED DUCTWORK, TAPS AND REGISTERS SHALL BE LEVEL, STRAIGHT AND FREE OF DEFECTS. ALL DAMPERS AND REGISTERS MUST BE INSTALLED AS TO NOT WHISTLE OR RATTL.

- TESTING AND BALANCING SHALL BE PERFORMED FOLLOWING AABC OR NEBB BALANCE CRITERIA. THE FOLLOWING INFORMATION SHALL BE SUBMITTED TO THE MECHANICAL ENGINEER: VOLTAGE (RATED AND ACTUAL) FAN SPEEDS (RATED AND ACTUAL) MOTOR CURRENT (RATED AND ACTUAL) AIR QUANTITIES AT OUTLETS AND INLETS (RATED) AIR QUANTITIES AT OUTLETS AND INLETS ADJUSTED TO WITHIN 10% OF DESIGN SUPPLY AIR EXTERNAL STATIC PRESSURE ("W.G.) RETURN AIR EXTERNAL STATIC PRESSURE ("W.G.) TOTAL SUPPLY AIR CFM TOTAL RETURN AIR CFM TOTAL OUTSIDE AIR CFM EQUIPMENT NAME/PLATE DATA

### PLUMBING FITTINGS AND PIPING:

- SOIL, WASTE, AND VENT: ABOVE GRADE: PLASTIC ABS OR PVC PIPE AND FITTINGS WITH SOLVENT JOINTS.

- SOIL, WASTE, AND VENT: BELOW GRADE: CAST IRON SOIL PIPE AND FITTINGS WITH "NO-HUB" JOINTS.

- DOMESTIC WATER PIPING: ABOVE GRADE: TYPE 'L' COPPER TUBING HARD DRAWN WITH WROUGHT COPPER SOLDER FITTINGS. SOLDER WITH 95 - 5 TIN-ANTIMONY SOLDER.

- CONDENSATE AND DRAIN PIPING: TYPE 'L' COPPER TUBING HARD DRAWN WITH WROUGHT COPPER SOLDER FITTINGS. SOLDER WITH 95 - 5 TIN-ANTIMONY SOLDER.

- GAS PIPING ABOVE GRADE: SCHEDULE 40 BLACK MALLEABLE IRON THREADED PIPE AND FITTINGS

### PLUMBING FIXTURES:

- PLUMBING FIXTURES SHALL BE AS PER PLUMBING FIXTURE SCHEDULES-SEE PLANS

### PIPING SPECIALTIES:

- SHUT-OFF VALVES (WATER): APOLLO, OR EQUIVALENT, FULL PORT BALL VALVE.

- SUPPLIES: ANGLE TYPE WITH TEE HANDLE STOP AND RIGID RISERS, "SPEEDWAY" R1700-S SERIES, ROBERT MUIR-600 SERIES OR EQUAL, P-TRAPS: CHROME PLATED BRASS 17 GAUGE WITH CP TUBING DRAIN TO WALL AND CLEAN-OUT PLUG, TRAP ARMS UNDER LAVATORIES, SINK, AND ESCUTCHEON AT WALL ALSO TO BE CHROME-PLATE

- WALL CLEANOUTS (WCO): TERRI, PRIME-COATED WITH U.P.C. BRONZE PLUG IN "NO-HUB" TEST-TEE.

- SHUT-OFF VALVES (GAS): CRANE #1128, OR EQUIVALENT (2" AND SMALLER).

### PIPING HANGERS, SUPPORTS, AND ACCESS PANELS:

- PROVIDE HANGER SPECIFIED HEREIN. EQUIVALENT MODELS BY ELCEN, FEE & MASON OR KIN-LINE ARE ACCEPTABLE.

- ADJUSTABLE HANGERS WITH MINIMUM 3/8" RODS, UPPER ATTACHMENTS: B-LINE #B3690. PROVIDE SHIELDS AT INSULATED PIPING.

- TRAPEZE HANGERS: B-LINE #B22 WITH PIPE CLAMPS AND GUIDES AS REQUIRED.

- RISER CLAMPS: B-LINE #B3373.

- OFFSET PIPE CLAMPS: B-LINE #B3148.

- WATER PIPE ISOLATION: INCLUDE WITH HANGERS, 1/4" FELT OR APPROVED EQUIVALENT.

- ACCESS PANEL FOR VALVES: MILCOR PAINTED STEEL SIZE AS REQUIRED FOR EASY ACCESS MINIMUM SIZE 12" X 12".

### PIPING INSULATION:

- DOMESTIC HOT WATER AND HOT PIPING: ENGINEERED POLYMER FOAM INSULATION (EPFI) 3/4" WALL 'IMCOA' OR EQUIVALENT.

- LAVATORY TRAPS AND H. W. SUPPLIES: PROWRAP, PROTECTIVE KIT BY MCCUIRE OR EQUIVALENT.

### EXCAVATION AND BACKFILL:

- EXECUTE ALL EXCAVATION TO GRADES TO ACCOMMODATE ELEVATIONS INDICATED AND WHERE INVERT ELEVATIONS ARE NOT INDICATED, PROVIDE MINIMUM COVERAGE FOR ANY PIPING UNDER BUILDING SLAB (TOP OF PIPE TO UNDERSIDE OF SLAB) OF 18 INCHES.

- EXCAVATION FOR PIPE SHALL BE CUT A MINIMUM OF SIX INCHES BELOW THE REQUIRED GRADE. A SIX-INCH BED OF SAND OR OTHER APPROVED MATERIAL SHALL BE THEN PLACED AND PROPERLY COMPACTED TO PROVIDE AN ACCURATE GRADE AND UNIFORM BEARING THROUGHOUT THE LENGTH OF THE PIPE.

- SAND USED SHALL BE WASHED RIVER SAND NORMALLY USED FOR BACKFILL PURPOSES, FREE OF CLODS OR LUMPS OF CLAY, ROCK, DEBRIS, AND RUBBISH.

- BACKFILL SHALL NOT BE PLACED UNTIL THE WORK HAS BEEN INSPECTED, TESTED, AND APPROVED.

- BACKFILL TO POINT 12 INCHES ABOVE TOP OF PIPING WITH FINE EARTH (EXCAVATED MATERIAL MAY BE USED). FREE OF EXCESSIVE AMOUNTS OF CLAY, DEBRIS, RUBBISH, ROCKS, OR CLODS, AS APPROVED BY THE ARCHITECT. BACKFILL ABOVE 12 INCHES FROM TOP OF PIPING MAY BE WITH EXCAVATED MATERIAL. APPLY BACKFILL BY HAND IN 6-INCH DEEP LAYERS THE FULL WIDTH OF THE TRENCH. MOISTEN EACH LAYER (DO NOT FLOOD OR PUDDLE), AND HAND TAMP TO MINIMUM 90 PERCENT COMPACTION BEFORE PROCEEDING WITH THE NEXT LAYER OF BACKFILL.

- CLODS OR LUMPS ONE INCH IN SIZE OR LARGER WILL NOT BE PERMITTED IN THE BACKFILL. IF EXCAVATED MATERIAL IS NOT SUITABLE, ADEQUATE MATERIAL SHALL BE PROVIDED BY HAULING IN FROM OTHER LOCATIONS.

- SURPLUS EARTH OR MATERIAL REMAINING AFTER BACKFILLING SHALL BE REMOVED FROM THE SITE AS INDICATED IN SECTION ENTITLED "EARTHWORK."

- DO NOT EXCAVATE UNDER OR NEAR FOUNDATIONS OR FOOTINGS EXCEPT IN MANNER PERMITTED AND APPROVED BY THE ARCHITECT. DO NOT BACKFILL UNTIL INSTALLED PIPING HAS BEEN SUCCESSFULLY TESTED AND APPROVED FOR BACKFILL BY THE JURISDICTIONAL INSPECTOR AND THE ARCHITECT.

- PROVIDE SLEEVES AT ALL PIPE PENETRATIONS OF FOOTING AND FOUNDATIONS.

### EXECUTION (PLUMBING):

- SOIL, WASTE AND VENT PIPING IS TO BE ASSEMBLED, CONNECTED, AND SUPPORTED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. ENCASE BELOW GRADE SOIL, WASTE, AND VENT PIPING IN SAND, 6" ALL AROUND PIPE. WRAP PENETRATIONS OF CONCRETE SLAB WITH FOAMED PLASTIC SLEEVING MATERIAL. ALL SOIL, WASTE, AND VENT PIPING SHALL HAVE A SMOOTH AND UNIFORM INVERT, AND BACK-FILLED SO AS NOT TO DISTURB THE PIPE OR JOINTING.

- JOINTS IN COPPER TUBING SHALL BE MADE BY FIRST THOROUGHLY CLEANING THE SURFACE OF THE PIPE AND FITTINGS, APPLYING A COPPERIZED FLUX AND SWEAT WITH 95 - 5 TIN ANTIMONY SOLDER OR EQUIVALENT LEAD-FREE SOLDER.

- FLUSH OUT ALL WATER MAINS, CONDENSATE DRAINS, SANITARY, AND STORM PIPING WITH WATER SO AS TO OBTAIN FREE FLOW.

- ALL PIPING, EXCEPT WHERE NOTED OTHERWISE ON PLANS, SHALL BE CONCEALED IN WALLS OR ABOVE CEILINGS. COORDINATE PIPING LOCATION WITH DUCTWORK AND CONDUIT.

- BENDING OR FORCING OF PIPE IS NOT ALLOWED. USE FITTINGS FOR ALL OFFSETS OR CHANGES IN ALIGNMENT OF PIPING.

- CLEANOUTS SHALL BE ACCESSIBLE IN ALL CASES AND SHALL BE BROUGHT TO SURFACE ON "Y" BRANCHES. ALL CLEANOUTS SHALL BE PROVIDED WITH REMOVABLE FLOOR OR WALL PLATES.

- PIPING SHALL BE FIRMLY HELD IN PLACE BY ADJUSTABLE HANGERS, SUPPORTS, AND PIPE RESTS. ALL HANGERS AND SUPPORTS SHALL BE OF DESIGN WHICH WILL SUPPORT WEIGHT OF PIPE, FLUID, INSULATION, AND PREVENT SAGGING. MAKESHIFT DEVICES ARE NOT ACCEPTABLE. PLUMBER'S TAPE IS NOT APPROVED.

- PIPING SHALL BE ISOLATED FROM ALL DIRECT CONTACT WITH THE STRUCTURE BY THE USE OF MANUFACTURED HANGER ISOLATORS AND STUD ISOLATION DEVICES.

- INSTALL ALL FIXTURES AND EQUIPMENT PER MANUFACTURER'S ROUGH-IN AND INSTALLATION INSTRUCTIONS. INSTALL HANDICAPPED FIXTURES PER TITLE 24 AND A.D.A. REQUIREMENTS. PROVIDE 17 GAUGE CHROME PLATED P-TRAPS, ANGLE STOPS AND FLEXIBLE RISERS, SUPPORT PLATES, ETC., AS REQUIRED.

- PROVIDE FIRE STOPPING AND SLEEVES FOR PIPING PENETRATIONS OF FIRE-RATED WALLS, FLOORS, AND CEILINGS. METHOD OF SLEEVING AND FIRE STOPPING SHALL BE APPROVED BY FIRE MARSHALL.

### PLUMBING TEST AND ADJUSTMENTS:

- ALL WORK SHALL BE COMPLETELY INSTALLED, SANITIZED, AND TESTED AS REQUIRED BY LOCAL CODE AND THE STATE ORDINANCES AND STATE SAFETY ORDERS, AND SHALL BE LEAK-TIGHT BEFORE INSPECTION IS REQUESTED. ALL TESTS SHALL BE REPEATED UPON REQUEST TO THE SATISFACTION OF THOSE MAKING THE INSPECTION.

## SPECIFICATIONS

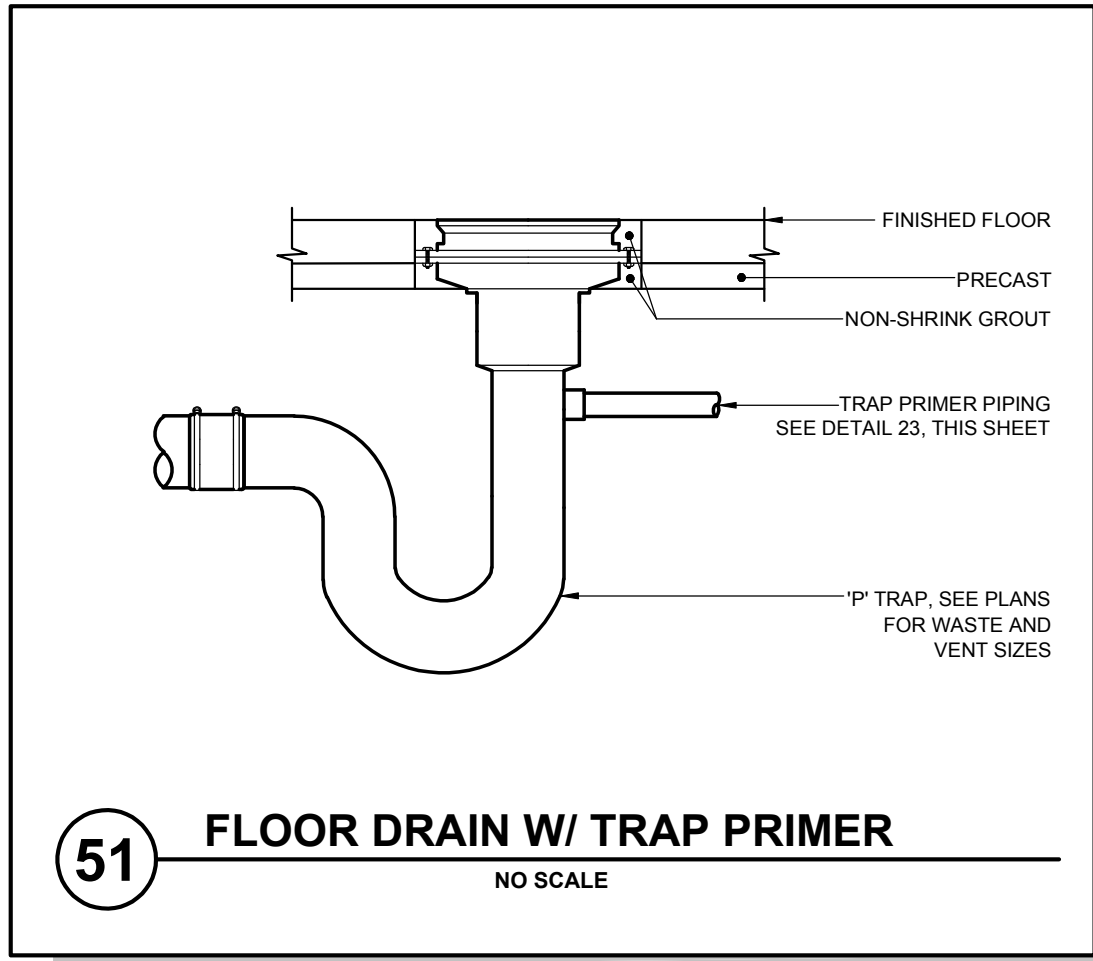
HVAC LEGEND								
SYMBOL	DESCRIPTION	ABBREV.	SYMBOL	DESCRIPTION	ABBREV.	SYMBOL	DESCRIPTION	ABBREV.
	SUPPLY AIR DIFFUSER	SA		RECTANGULAR DUCT	-		VOLUME DAMPER	VD
	RETURN AIR GRILLE	RA		LINED RECTANGULAR DUCT	-		FIRE DAMPER	FD
	EXHAUST AIR GRILLE	EA		RIGID ROUND DUCT	-		SMOKE DETECTOR	SD
	CEILING EXHAUST FAN	CEF		FLEXIBLE ROUND DUCT	-		FLEXIBLE CONNECTION	FC
	SIDEWALL GRILLE, REGISTER, OR LOUVER	-		POINT OF CONNECTION OR DISCONNECTION	POC/POD		THERMOSTAT SENSOR	-
	GRILLE, DIFFUSER, REGISTER, LOUVER TAG	-		DIAMETER	DIA		EQUIPMENT OR DUCTWORK TO BE REMOVED	-

HVAC ABBREVIATIONS								
ABV	ABOVE	EDB	ENTERING DRY BULB	MER	MECHANICAL EQUIPMENT ROOM	SA	SUPPLY AIR	
A/C	AIR CONDITIONING, CONDITIONER	EE	ENERGY EFFICIENCY RATIO	MFR	MANUFACTURER	SP	STATIC PRESSURE	
AD	ACCESS DOOR	ELEC	ELECTRICAL	(N)	NEW	SEER	SEASONAL ENERGY EFFICIENCY RATIO	
AF	ABOVE FINISH FLOOR	ESOP	EXTERNAL STATIC PRESSURE	N/A	NOT APPLICABLE	SHT	SHEET	
ALUM	ALUMINUM	EWB	ENTERING WET BULB	NA	NET FREE AREA	SO	SQUARE	
APD	AIR PRESSURE DROP	FA	FACE AREA	NIC	NOT IN CONTRACT	SSE	STEADY STATE EFFICIENCY	
ARCH	ARCHITECTURAL, ARCHITECT	FAU	FORCED AIR UNIT	NO	NUMBER	TA	TRANSFER AIR	
BLOC	BUILDING	FC	FLEXIBLE CONNECTION	NOM	NOMINAL	TO	TO BE REMOVED	
BTU	BRITISH THERMAL UNIT	FCU	FAN COIL UNIT	NTS	NOT TO SCALE	TEMP	TEMPERATURE	
BTUH	BTU PER HOUR	FD	FIRE DAMPER	OA	OUTSIDE AIR	TYP	TYPICAL	
CAP	CAPACITY	FLA	FULL LOAD AMPS	OA	OUTSIDE AIR INTAKE	UL	UNDERWRITER'S LABORATORIES	
CFD	CEILING FIRE DAMPER	FPM	FEET PER MINUTE	ODD	OPPOSED BLADE DAMPER	UN	UNLESS OTHERWISE NOTED	
CFM	CUBIC FEET PER MINUTE	OF	COMBINATION FIRE/SMOKE DAMPER	ODD	OUTSIDE DIAMETER	UTR	UP THROUGH ROOF	
CONN	CONNECTION	OPER	OPERATING	PLUG	PLUMBING CONTRACTOR	VO	VOLUME DAMPER	
CSE	CALIFORNIA SEASONAL EFFICIENCY	OSA	OFFICE OF STATE ARCHITECT	POC	POINT OF CONNECTION	W/O	WITH	
CTE	CAP TO EXISTING	PC	GENERAL CONTRACTOR	PDO	POINT OF DISCONNECTION	WT	WET BULB	
CU	CONDENSING UNIT	PS	PRESSURE	WMS	WIRE MESH SCREEN	WG	WATER GAUGE	
DET	DETAIL	PSI	POUNDS PER SQUARE INCH	WT	WEIGHT	WF	WALL FIRE DAMPER	
DA	DAMPER	REV	REVISION	WFB	WALL FIRE DAMPER	(X2)	TYPICAL OF 2	
DIV	DIVISION	RND	ROUND					
DWG	DRAWING	RPM	REVOLUTIONS PER MINUTE					
(E)	EXISTING							
EA	EXHAUST AIR							
EC	ELECTRICAL CONTRACTOR							

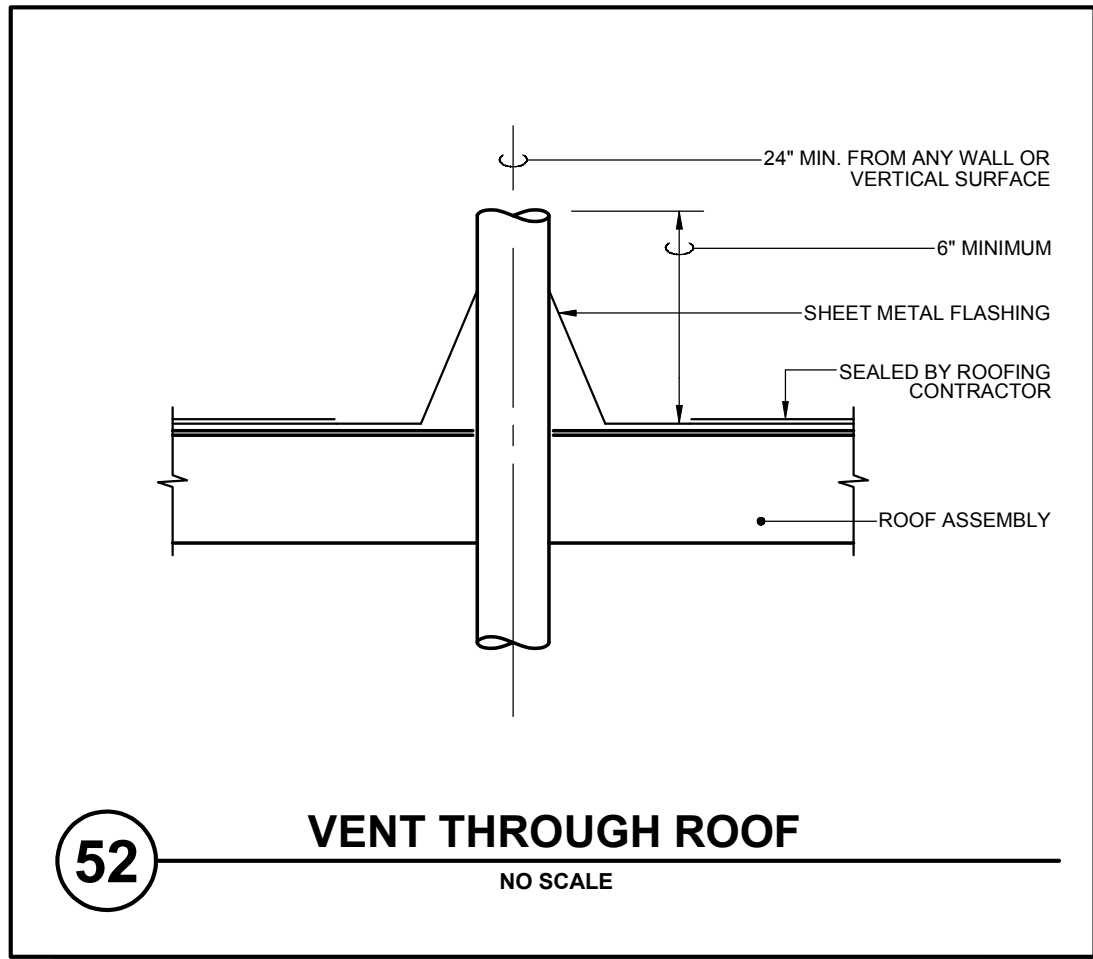
PLUMBING LEGEND								
SYMBOL	DESCRIPTION	ABB.	SYMBOL	DESCRIPTION	ABB.	SYMBOL	DESCRIPTION	ABB.
-----	SOIL, WASTE, OR SEWER	W		PIPE CONNECTION	-		POINT OF CONNECTION/DIS.	POC/POD
-----	GREASE WASTE	GW		CAPPED OR PLUGGED PIPE	-		FIXTURE GAS SUPPLY	-
-----	STORM/OVERFLOW DRAIN	SD/OD	*****	PIPE OR EQUIP. T.B.R.	-		WATER HAMMER ARRESTOR	WHA
-----	VENT	V		HOSE BIB	HB		GATE VALVE	-
-----	CONDENSATE DRAIN	COND		RECESSED HOSE BIB	RHB		BALL VALVE	-
-----	COLD WATER	CW		FIRE RISER	-		GLOBE VALVE	-
-----	COLD WATER TRAP PRIMER	-		FIRE DEPARTMENT CONNECTION	FDC		GAS COCK	-
-----	HOT WATER SUPPLY	HW		FLOOR CLEAN OUT	FCO		CHECK VALVE	-
-----	HOT WATER RECIRCULATION	HW		CLEAN OUT TO GRADE	COTG		DOUBLE CHECK VALVE	-
-----	GAS LINE	G		WALL CLEAN OUT	WCO		VALVE IN RISER	-
-----	PIPE UP	-		FLOOR SINK	-		AUTOMATIC AIR VENT	AAV
-----	PIPE DOWN	-		FLOOR DRAIN	-		VALVE IN YARD BOX	-

PLUMBING ABBREVIATIONS									
AA	AREA ALARM	ESH	EMERGENCY SHOWER	LBS	POUNDS	SOV	SHUT OFF VALVE		
ABV	ABOVE	EXP	ELECTRIC WATER COOLER	LBS	BTU PER HOUR (THOUSANDS)	TA	TEMPERATURE		
AD	ADDITIONAL DISABILITIES ACT	EXC	EXPOSED	MFR	MANUFACTURE, MANUFACTURER	TV	TEMPERATURE TEMPERING VALVE		
ARCH	ARCHITECTURAL, ARCHITECT	FD	FLOOR DRAIN	NI	MANHOLE	TYP	TEMPEROSTATIC EXPANSION VALVE		
B	BATHTUB	FF	FINISH FLOOR	(N)	NEW	UN	TYPICAL		
BEH	BEHIND	FG	FINISH GRADE	NTS	NOT IN CONTRACT	UN	UNLESS OTHERWISE NOTED		
BEL	BELOW	FS	FLOOR SINK	NO	NOT TO SCALE	UTR	UP THROUGH ROOF		
BLOC	BUILDING	FT	FLUSH TANK OR FEET	P	PUMP	VS	VACUUM SWITCH		
CD	CONDENSATE DRAIN	FU	FIXTURE UNITS	PH	PHASE	VTR	VENT THROUGH ROOF		
CFH	CUBIC FEET PER HOUR	PV	FLUSH VALVE	PV	POST INDICATOR VALVE	W	WASTE		
CI	CAST IRON	PSI	POUNDS PER SQUARE INCH	PSI	POUNDS PER SQUARE INCH	WC	WATER CLOSET		
CLG	CHROME PLATED	RD	ROOF DRAIN	RD	ROOF DRAIN	WCH	WATER CHILLER		
CLP	CELLULOSE	RI	RIGHT HAND	RI	RIGHT HAND	WH	WATER HEATER		
CP	CHROME PLATED	R/C	ROUGH IN AND CONNECT	R/C	ROUGH IN AND CONNECT	WT	WEIGHT		
DCW	DOMESTIC COLD WATER	RPM	REVOLUTIONS PER MINUTE	RPM	REVOLUTIONS PER MINUTE	W/	WITH		
DF	DRINKING FOUNTAIN	R	ROOM	R	ROOM	WO	WITHOUT		
DN	DOWN	SH	SINK	SD	STORM DRAIN	ZV	ZONE VALVE		
EX	EXISTING	S	SINK	S	SINK				
ELEC	ELECTRICAL	SH	SHOWER	SH	SHOWER				
		KW	KILLOWATTS						

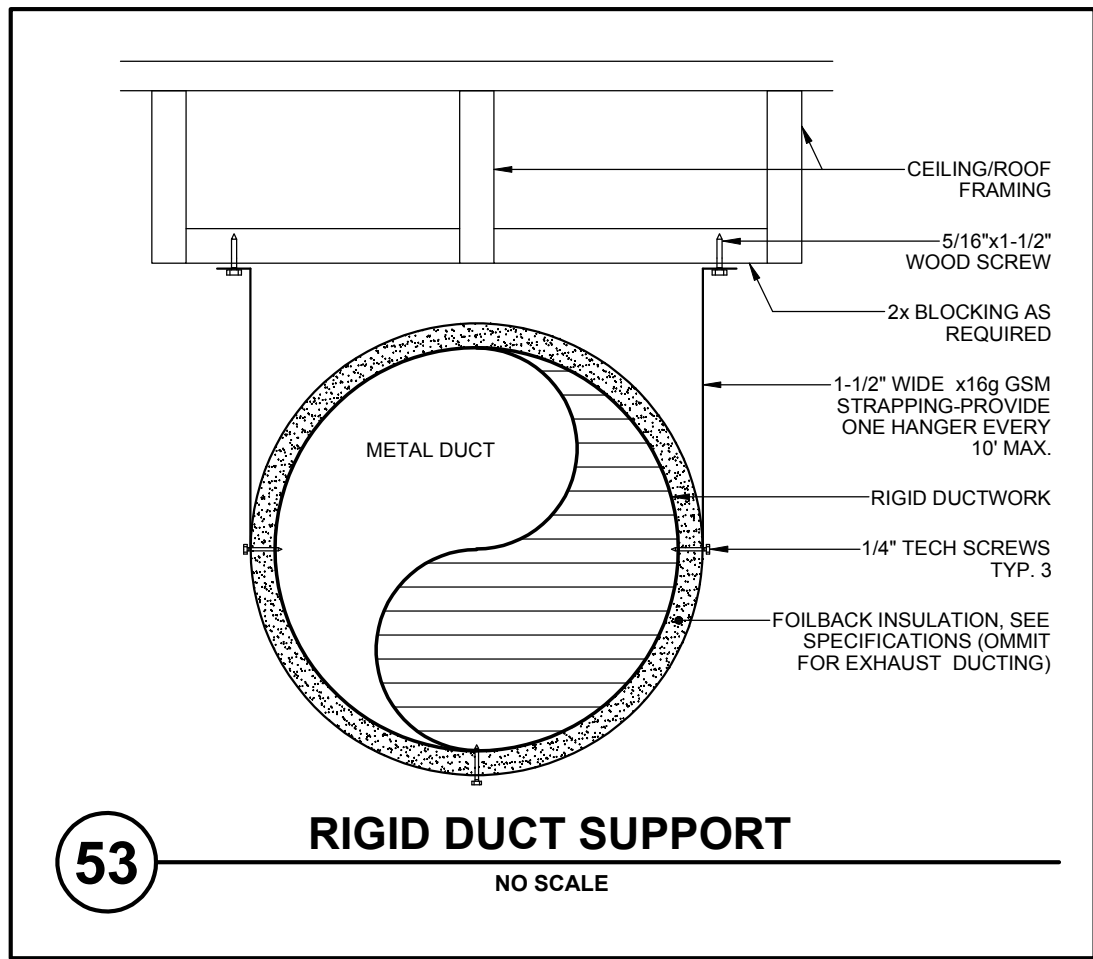




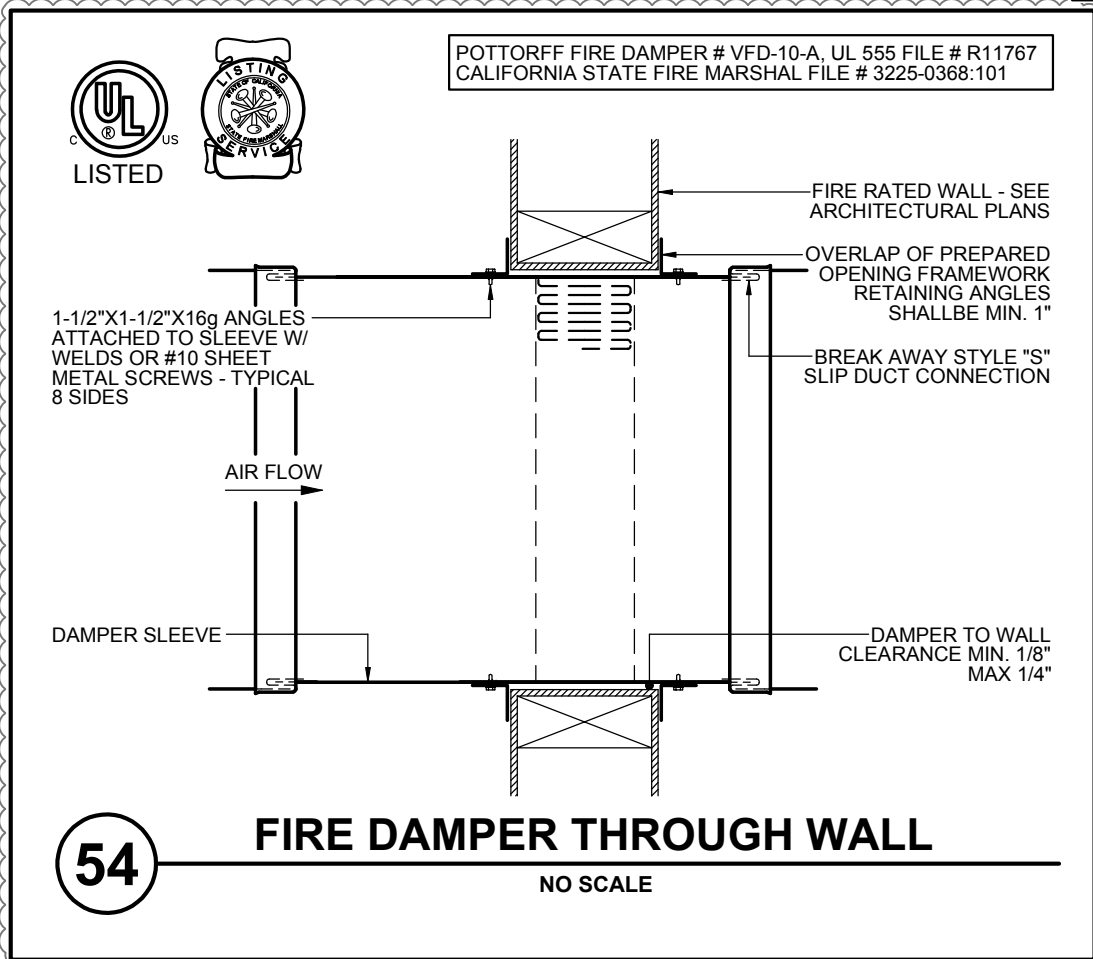
**51 FLOOR DRAIN W/ TRAP PRIMER**  
NO SCALE



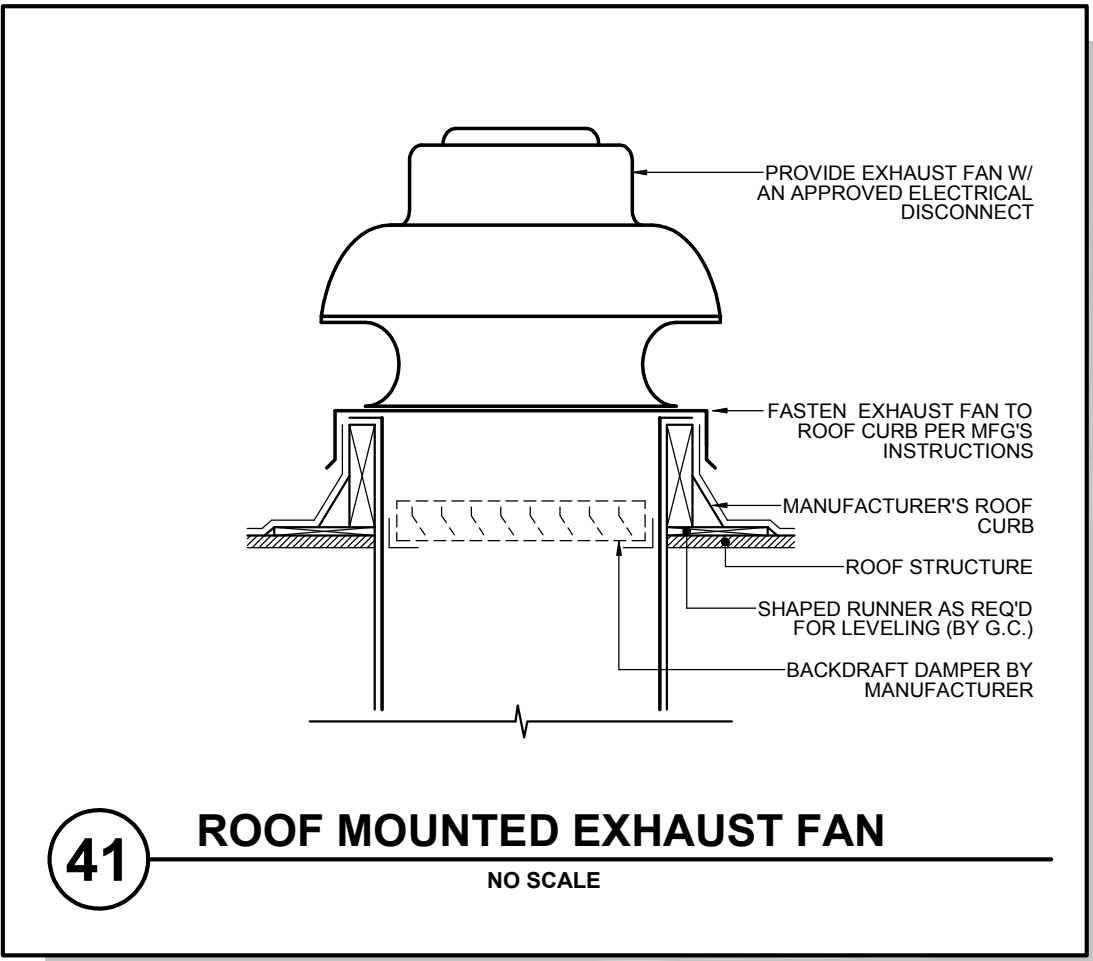
**52 VENT THROUGH ROOF**  
NO SCALE



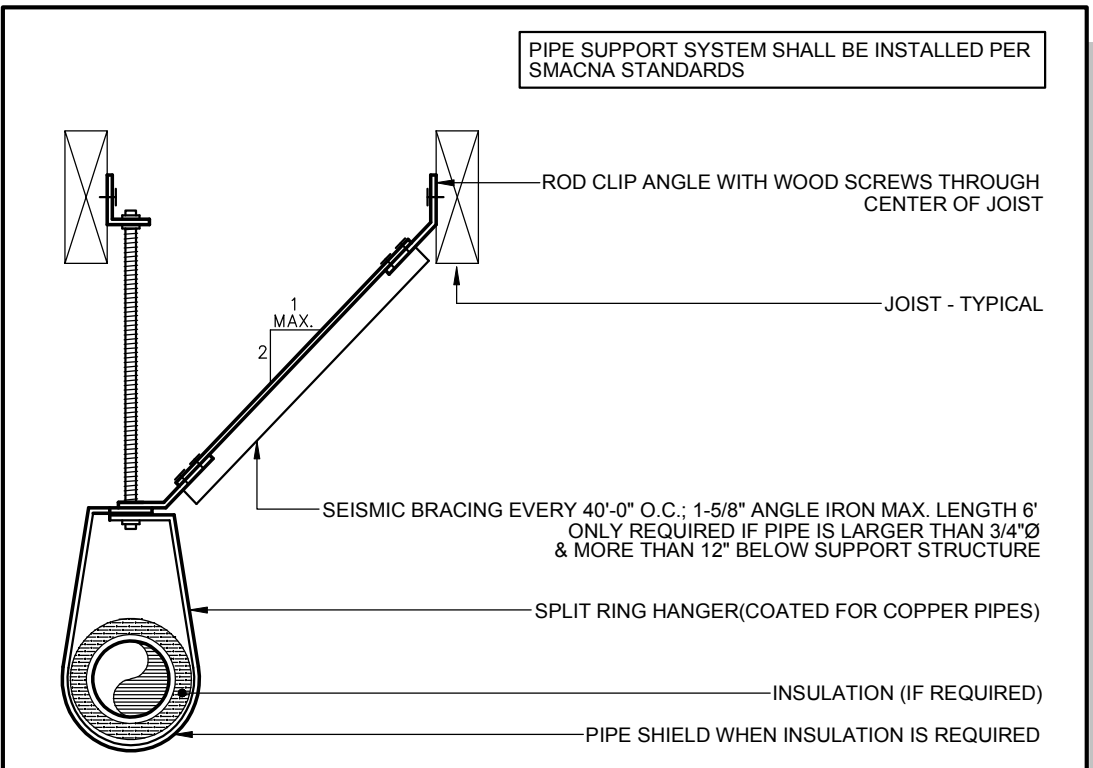
**53 RIGID DUCT SUPPORT**  
NO SCALE



**54 FIRE DAMPER THROUGH WALL**  
NO SCALE



**41 ROOF MOUNTED EXHAUST FAN**  
NO SCALE

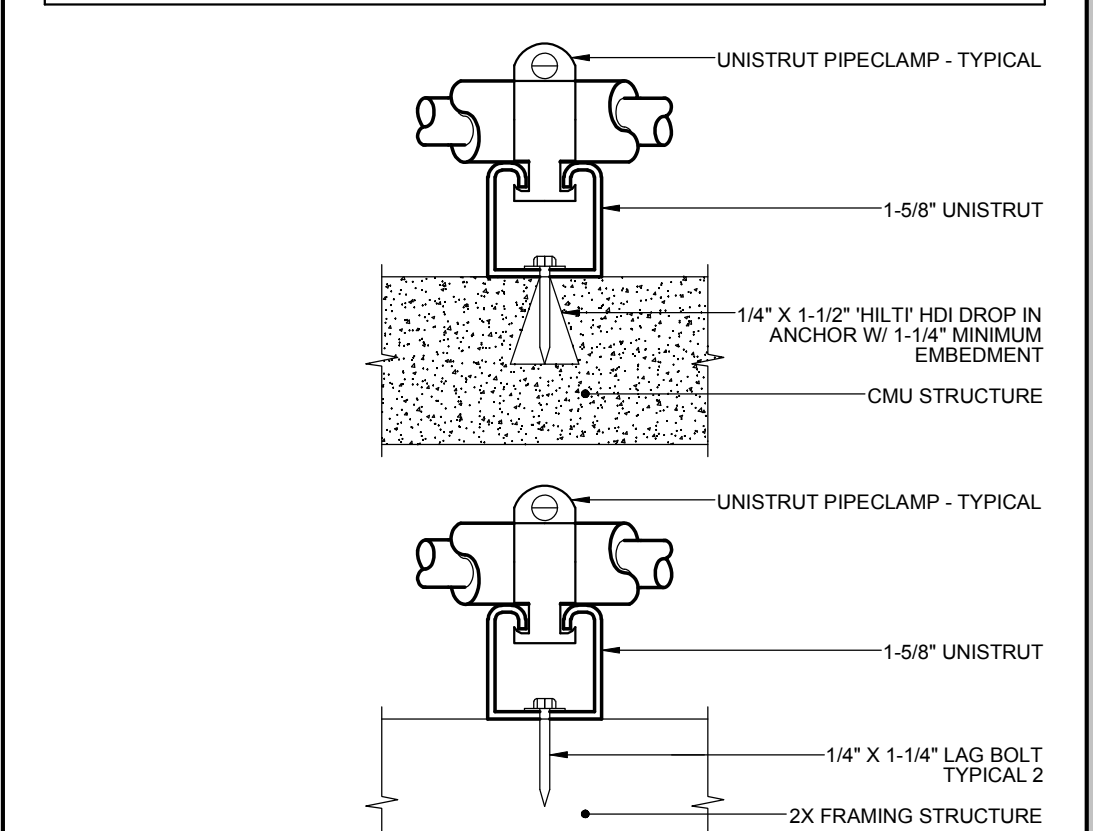


**31 HVAC UNIT CONDENSATE DRAIN**  
NO SCALE

PIPE SUPPORT SYSTEM SHALL BE INSTALLED PER SMACNA STANDARDS

HANGER RODS - SIZE AND SPACING SCHEDULE					
PIPE SIZE	MIN. HANGER ROD SIZE	WATER AND WASTE			NATURAL GAS
		COPPER	STEEL SCH. 40	CAST IRON STD.	PLASTIC DWV/SCH. 40
1/2"	1/4"	6 FT.	6 FT.	-	4 FT.
3/4"	1/4"	6 FT.	8 FT.	-	4 FT.
1"	1/4"	6 FT.	8 FT.	-	4 FT.
1-1/4"	3/8"	6 FT.	10 FT.	-	4 FT.
1-1/2"	3/8"	6 FT.	10 FT.	10 FT.	4 FT.
2"	3/8"	10 FT.	10 FT.	10 FT.	4 FT.
2-1/2"	1/2"	10 FT.	10 FT.	10 FT.	4 FT.
3"	1/2"	10 FT.	10 FT.	10 FT.	4 FT.
4"	1/2"	10 FT.	10 FT.	10 FT.	4 FT.

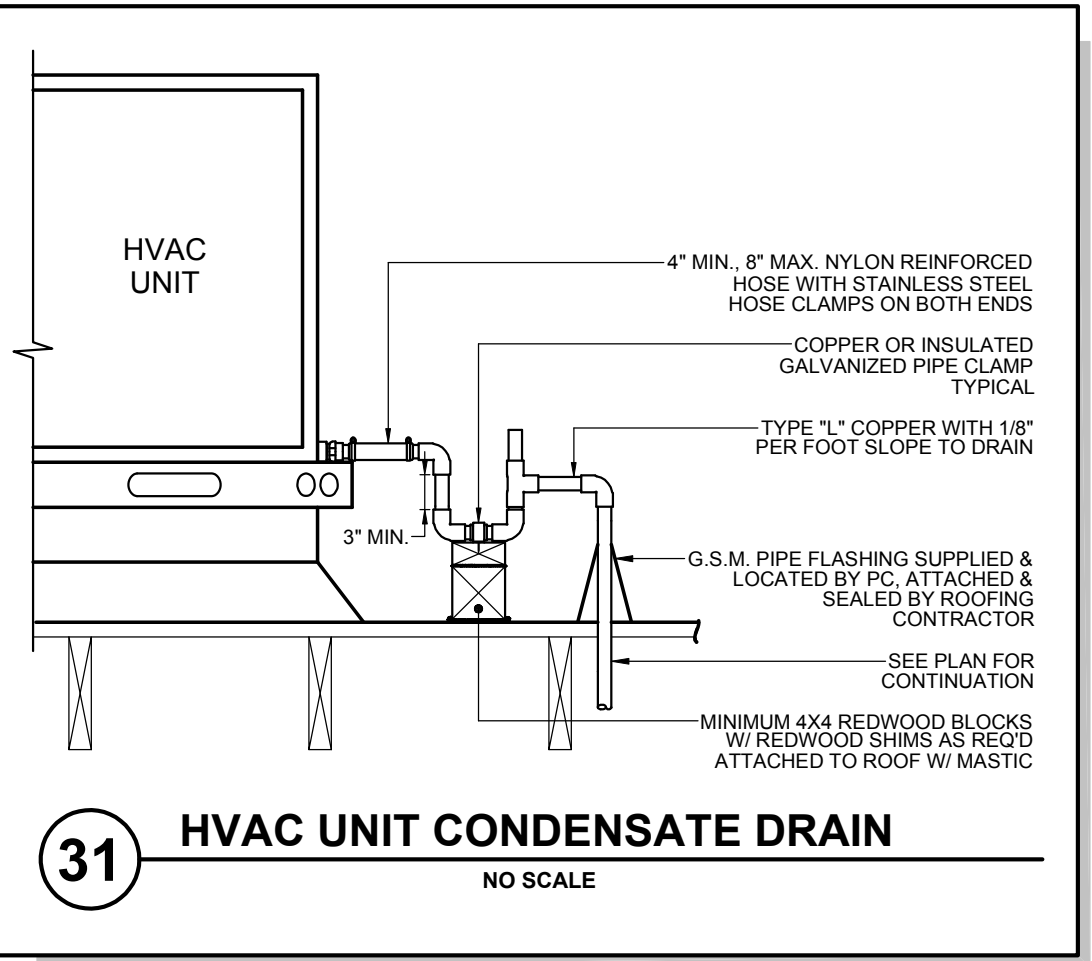
NOTE: LONGITUDINAL BRACINGS AT 80'-0" O.C. MAXIMUM UNLESS OTHERWISE NOTED



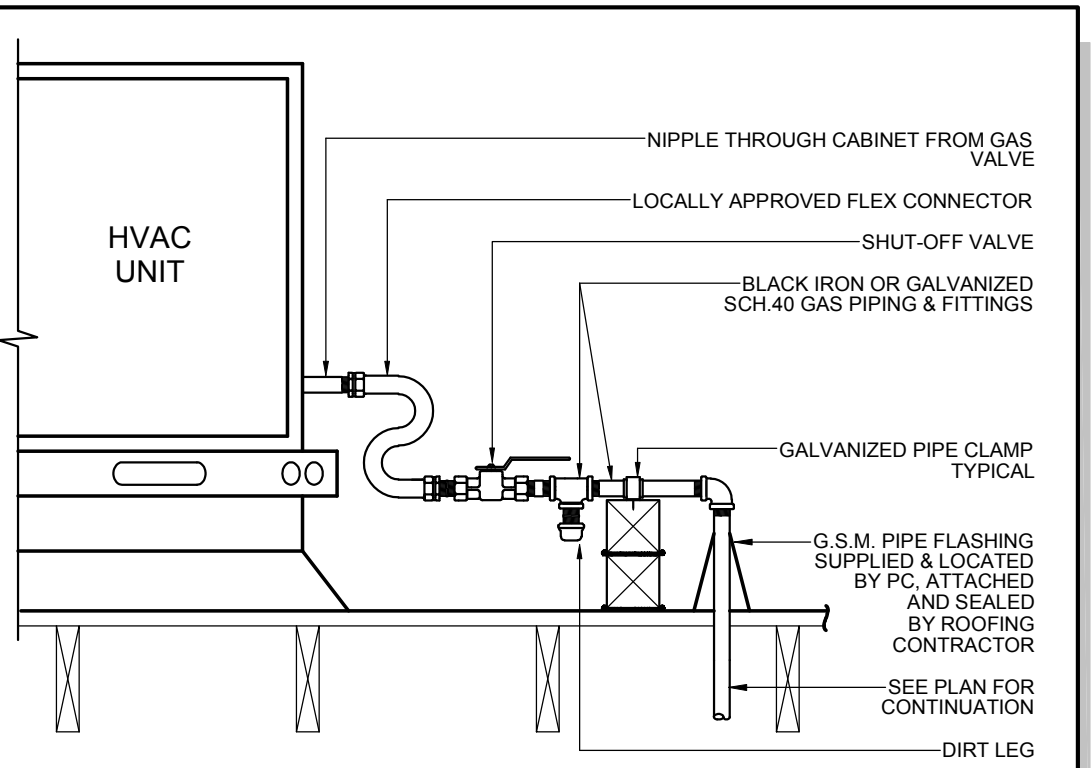
**32 GAS PIPING CONNECTION**  
NO SCALE

SIZE AND SPACING SCHEDULE				
PIPE SIZE	WATER, WASTE, AND VENT			NATURAL GAS
	COPPER	PLASTIC DWV/SCH. 40	SCH. 40 IRON	
1/2"	6 FT.	4 FT.	6 FT.	
3/4"	6 FT.	4 FT.	8 FT.	
1"	6 FT.	4 FT.	8 FT.	
1-1/4"	6 FT.	4 FT.	10 FT.	
1-1/2"	6 FT.	4 FT.	10 FT.	
2"	10 FT.	4 FT.	10 FT.	
2-1/2"	10 FT.	4 FT.	10 FT.	
3"	10 FT.	4 FT.	10 FT.	
4"	10 FT.	4 FT.	10 FT.	

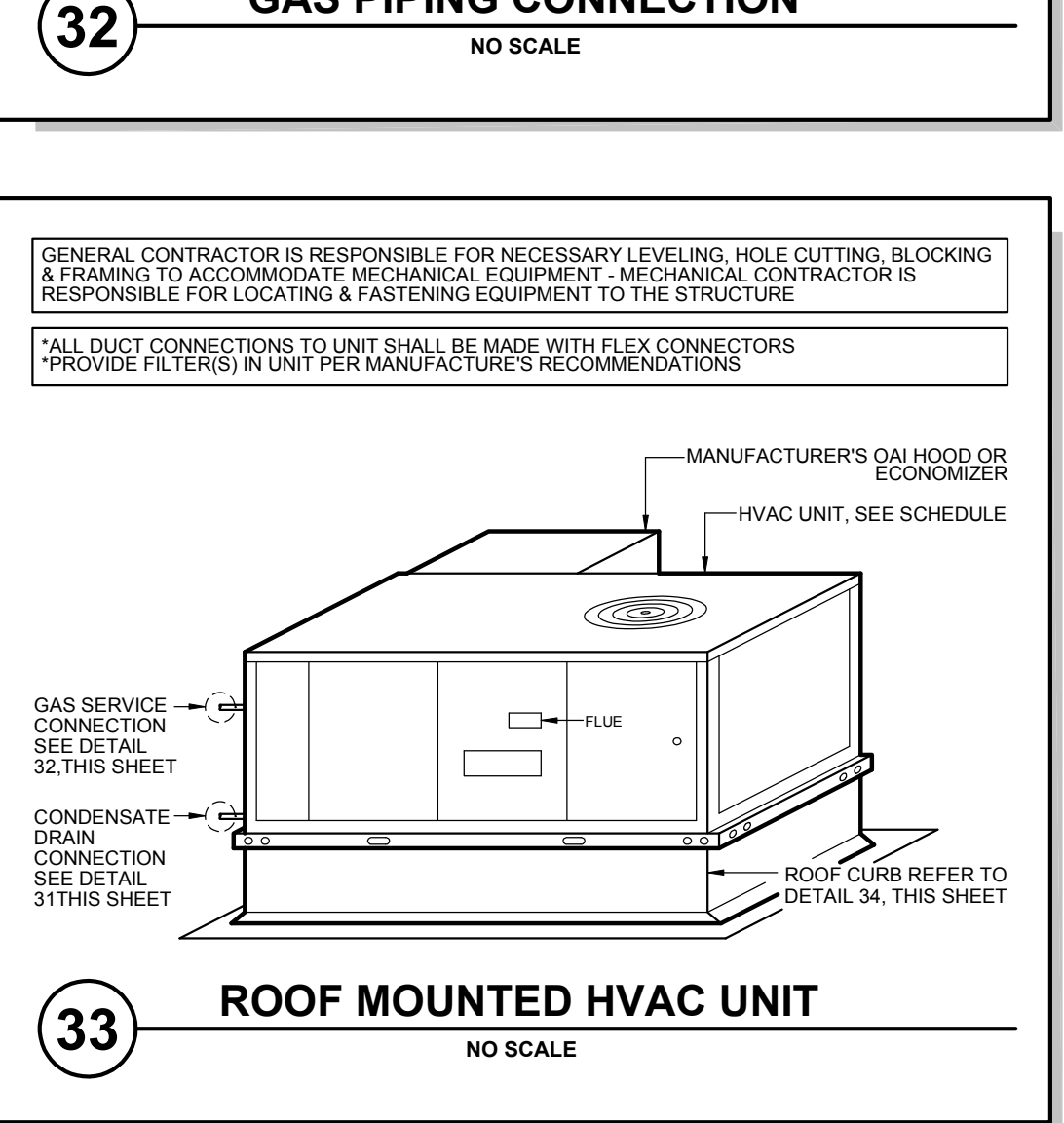
**44 TYPICAL PIPING SUPPORT**  
NO SCALE



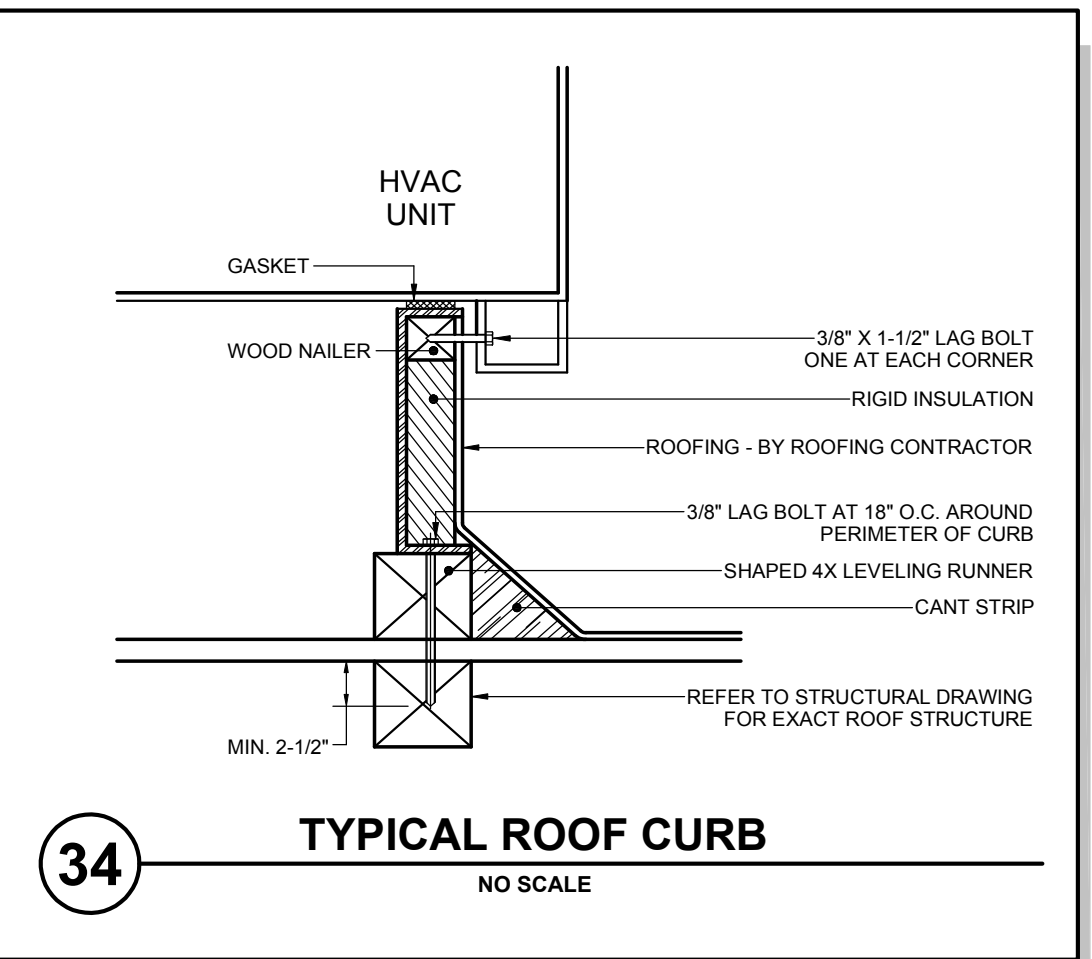
**31 HVAC UNIT CONDENSATE DRAIN**  
NO SCALE



**32 GAS PIPING CONNECTION**  
NO SCALE



**33 ROOF MOUNTED HVAC UNIT**  
NO SCALE



**34 TYPICAL ROOF CURB**  
NO SCALE

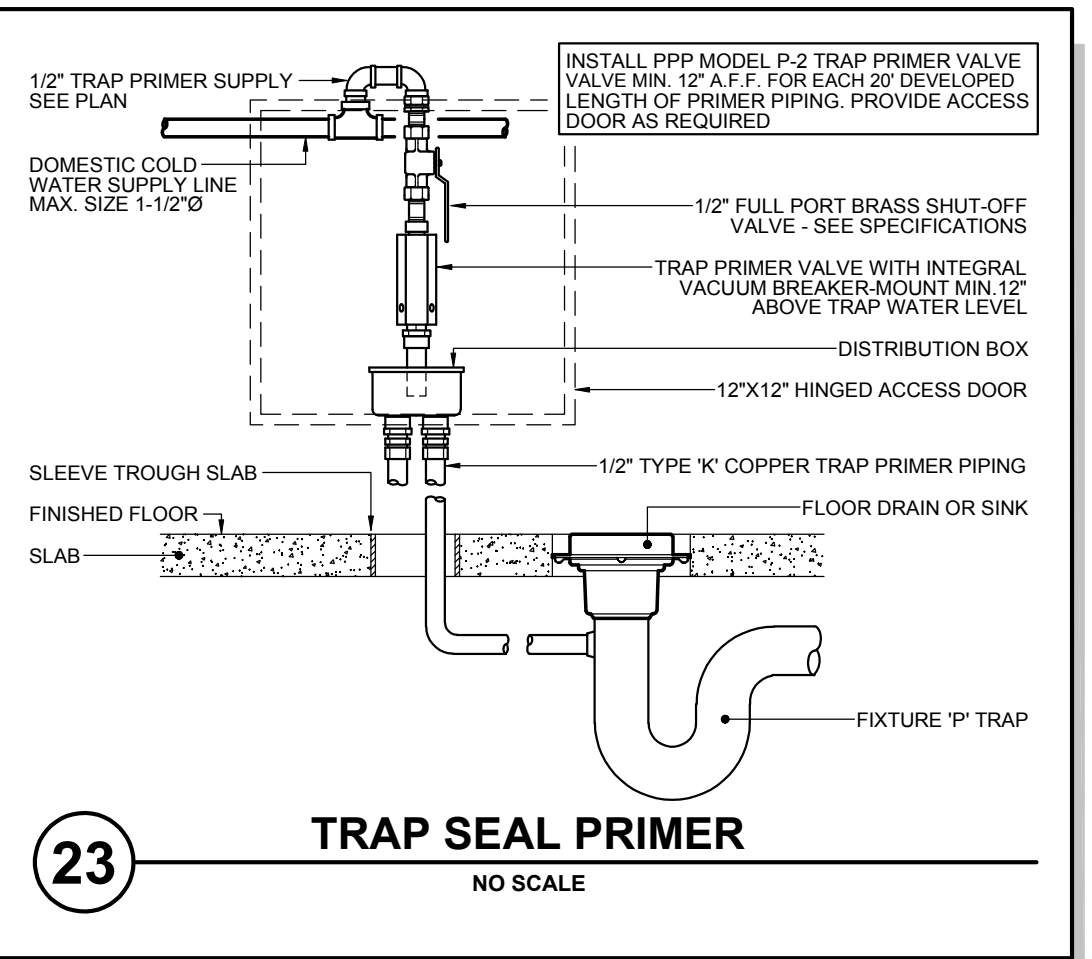
PACKAGED HVAC UNIT SCHEDULE																
SYMBOL	MFG	MODEL	COOLING CAPACITY (BTUH)	SEER	EER	POWER	MCA (AMPS)	MOCP (AMPS)	CFM	OAI CFM	E.S.P. "W.C.	ID BLOWER MOTOR HP	GAS INPUT (BTUH)	HEATING EFFICIENCY (AFUE%)	WEIGHT (LBS)	NOTES
AC-1	YORK	ZF048N06	47,500	13.0	11.0	208/230-3-60	29.9	40	1200	510	0.6	1.0 BELT	75,000	80.9	760	ALL APPLY
NOTES:																
1. PROVIDE FULL MODULATING, DIFFERENTIAL ENTHALPHY CONTROL FACTORY ECONOMIZER AND BAROMETRIC RELIEF DAMPER, REFER TO PLAN FOR OUTSIDE AIR QUANTITIES																
2. PROVIDE 7 DAY AUTO CHANGEOVER THERMOSTAT (FAN TO RUN CONTINUOUSLY DURING OCCUPIED HOURS) MOUNT AT 48" A.F.F. REFER TO PLAN FOR LOCATION																
3. PROVIDE STANDARD 8" ROOF CURB, SEE DETAIL 34, THIS SHEET																

EXHAUST FAN SCHEDULE														
SYMBOL	MFG	MODEL	STYLE	LOCATION	POWER	DRIVE	CFM	E.S.P. "W.C.	HP	BHP	RLA	FRPM	WEIGHT (LBS)	NOTES
EF-1	GREENHECK	GB-081	DOMO	ROOF	115/120-1-60	BELT	510	0.75	1/6	0.14	-	1,548	50	ALL APPLY

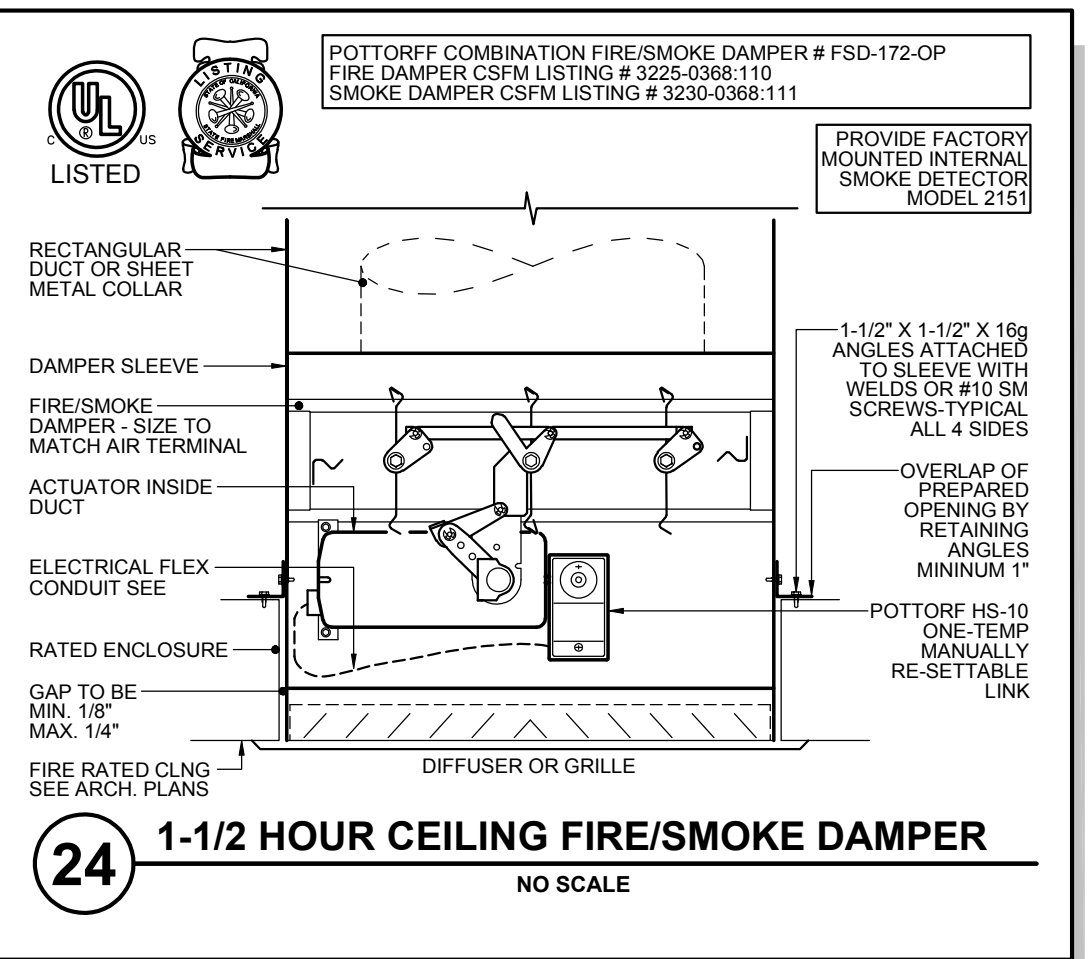
NOTES:  
1. INTERLOCK WITH AC-1, BY EC - REFER TO DETAIL 14, THIS SHEET FOR WIRING  
2. PROVIDE FACTORY ROOF CURB, BIRD SCREEN, & BACK DRAFT DAMPER  
3. INSTALL PER MANUFACTURER'S SPECIFICATIONS

AIR TERMINAL SCHEDULE														
SYMBOL	MFG	MODEL	NECK SIZE	BORDER	CONST.	FINISH	OBD	NOTES	LEGEND					
									MOUNTING LOCATION	FUNCTION	DEVICE			
CSD-1	TITUS	SG-PR	10"X10"	BORDER TYPE 1	STEEL	SOFT WHITE	YES	2	C	CEILING	E	EXHAUST	D	DIFFUSER
CSD-2	TITUS	MCD	12"X12"	BORDER TYPE 1	STEEL	SOFT WHITE	YES	2	D	DUCT	R	RETURN	G	GRILLE
WSD-1	TITUS	TBF-AA	SIZE 6	BORDER TYPE 1	ALUMINUM	SOFT WHITE	-	-	Dr	DOOR	S	SUPPLY	R	REGISTER
CRG-1	TITUS	350RL	12"X18"	BORDER TYPE 1	STEEL	SOFT WHITE	YES	1	W	WALL	I	INTAKE	L	LOUVER
CEG-1	TITUS	SG-PR	10"X10"	BORDER TYPE 1	STEEL	SOFT WHITE	YES	1	F	FLOOR	V	VENTILATION	S	SLOT
NOTES:									EXAMPLE: CSD=CEILING SUPPLY DIFFUSER					
1. PAINT GRILLE CANS FLAT BLACK INSIDE														
2. MATCH DEFLECTIONS SEEN ON PLAN														

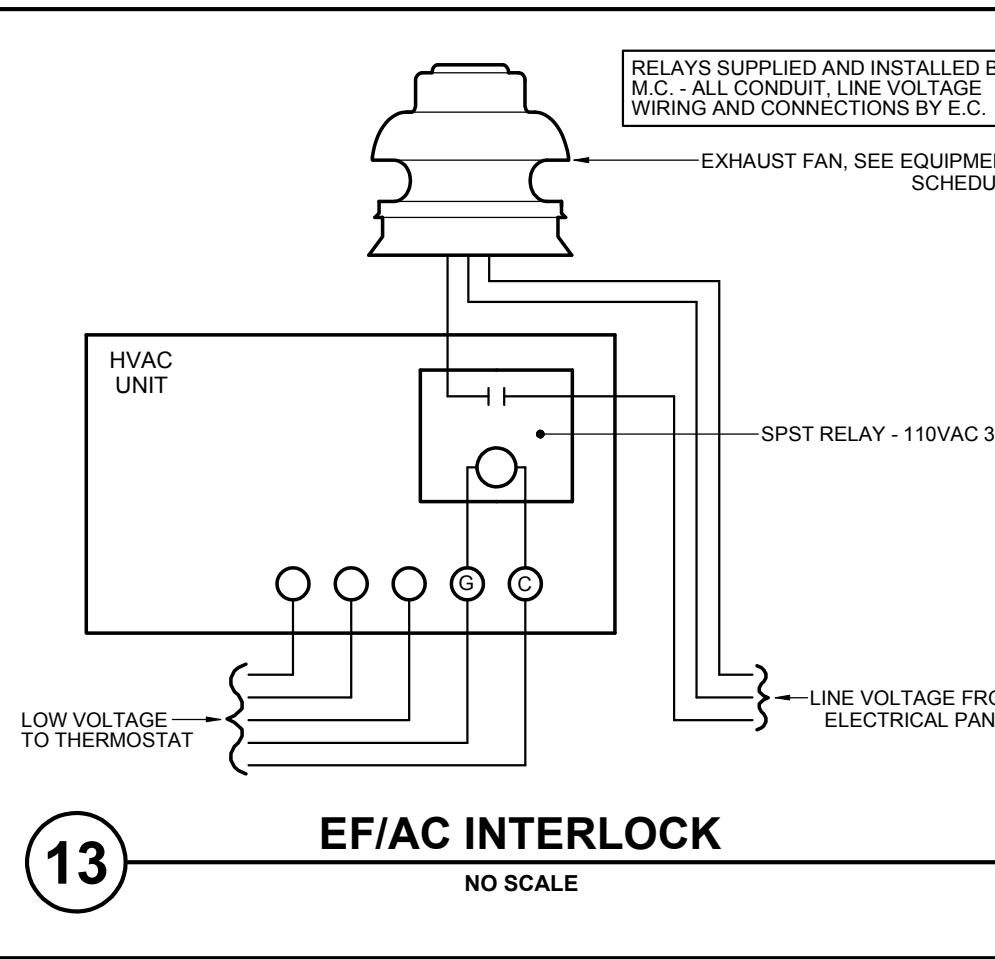
PLUMBING FIXTURE SCHEDULE								
SYMBOL	MAKE & MODEL	DESCRIPTION	ROUGH IN SIZES				FITTINGS OR ACC.	NOTES
			HW	CW	W	V		
WC-1 WC-2(AR)	ACORN #1418-FA-CT(AR)-2-BP-4 STAINLESS STEEL	FLOOR MOUNTED, VANDAL/SUICIDE RESISTANT COMBINATION WATER CLOSET/LAVATORY	1/2"	1-1/4"	3"	2"	PUSH BUTTON FLUSH VALVE BY OTHERS, AIR-TROL HW & CW LAVATORY VALVE, & SHOKTROL WATER HAMMER ARRESTOR	ALL APPLY
WC-3	ACORN #1432-AR-2-BP-4 STAINLESS STEEL	FLOOR MOUNTED, VANDAL/SUICIDE RESISTANT COMBINATION ADA WATER CLOSET/LAVATORY	1/2"	1-1/4"	3"	2"	PUSH BUTTON FLUSH VALVE BY OTHERS, AIR-TROL HW & CW LAVATORY VALVE, & SHOKTROL WATER HAMMER ARRESTOR	ALL APPLY
FD-1	J.R. SMITH SERIES # 2005Y02-A05PB-U	5"Ø, CAST IRON FLOOR DRAIN WITH BRONZE STRAINER	-	1/2"	2"	1-1/2"	PROVIDE WITH "PRECISION PRODUCTS" PRIME-RITE TRAP PRIMER EXPOSED MOUNT IN PLUMBING CHASE	-
NOTES:								
1. ALL FIXTURES DESIGNATED TO BE ACCESSIBLE TO INDIVIDUALS WITH DISABILITIES SHALL BE IN ACCORDANCE WITH THE "AMERICANS WITH DISABILITIES ACT OF 1990" FIXTURES AND THEIR INSTALLATION SHALL ALSO COMPLY WITH AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) PUBLICATION A117.1 - "PROVIDING ACCESSIBILITY AND USABILITY FOR PHYSICALLY HANDICAPPED PEOPLE" AND/OR GOVERNING CODE.								
2. ALL PLUMBING FIXTURES, EQUIPMENT, TRIM, AND FITTINGS SHALL COMPLY WITH LOCAL, STATE, AND FEDERAL REGULATIONS AND CODES, INCLUDING BUT NOT LIMITED TO WATER AND ENERGY CONSERVATION CODES. THE SCHEDULED AND/OR SPECIFIED PLUMBING FIXTURES AND EQUIPMENT REPRESENT THE MINIMUM CRITERIA AND SHALL BE THE BASIS FOR THE CONTRACTORS BASE BID. IF THE SCHEDULED OR SPECIFIED FIXTURES OR EQUIPMENT DO NOT COMPLY WITH THE GOVERNING CODES OR REGULATIONS IN ALL RESPECTS, THE CONTRACTOR SHALL PROVIDE AN ALTERNATE BID FOR THE COMPLYING FIXTURES, EQUIPMENT, TRIM, OR FITTINGS. THE ABSENCE OF AN ALTERNATE BID SHALL BE CONSTRUED TO MEAN THAT THE CONTRACTOR'S BID INCLUDES ALL COSTS NECESSARY TO MEET ALL REGULATIONS AND CODES								
3. SEE PLAN FOR TOILET ANGLE CONFIGURATION								



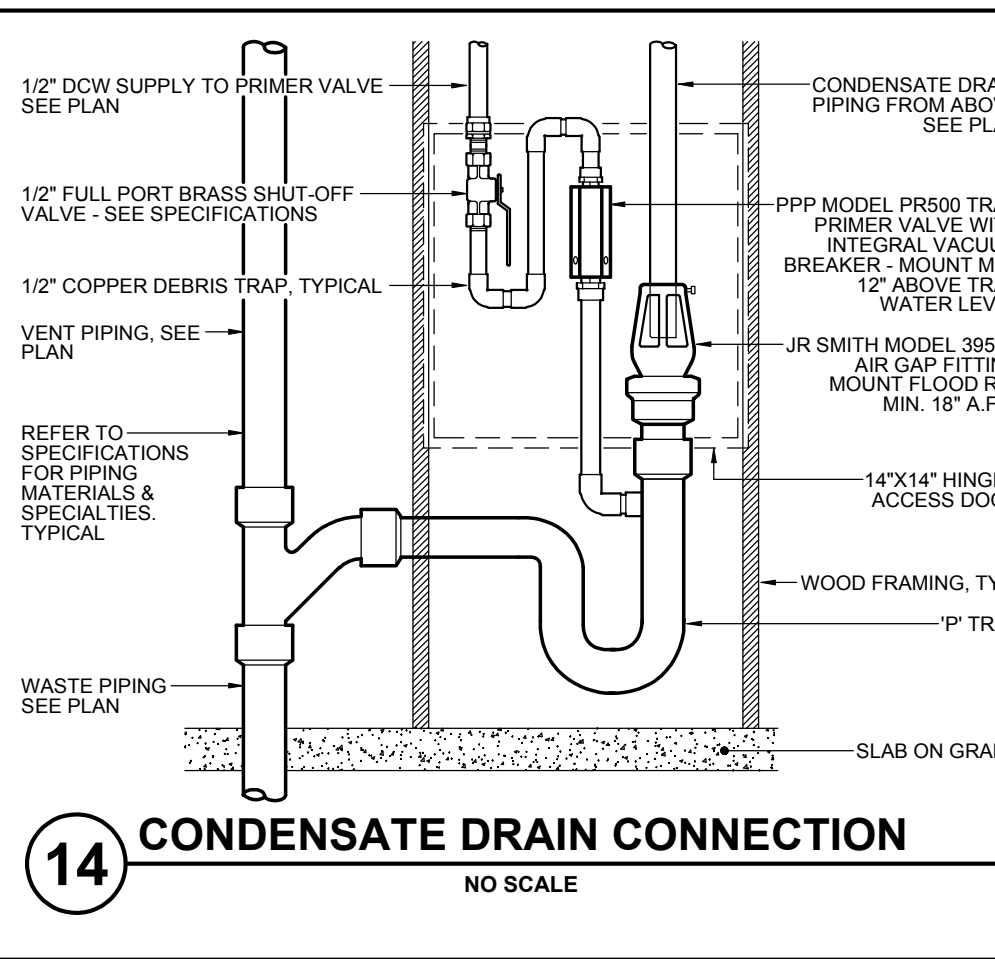
**23 TRAP SEAL PRIMER**  
NO SCALE



**24 1-1/2 HOUR CEILING FIRE/SMOKE DAMPER**  
NO SCALE



**13 EF/AC INTERLOCK**  
NO SCALE



**14 CONDENSATE DRAIN CONNECTION**  
NO SCALE

PROJECT

**SUPERIOR COURT OF CALIFORNIA COUNTY OF SAN JOAQUIN**

**MANTECA BRANCH SITE AND BUILDING IMPROVEMENTS**

**PHASE 1**

CLIENT JOB # JVA JOB # M11014

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PROJECT MANAGER TDR

DRAWN BY TDR

DATES 05/05/11  
06/20/11 INTERWEST PC  
09/01/11 DSA PC

SIGNED

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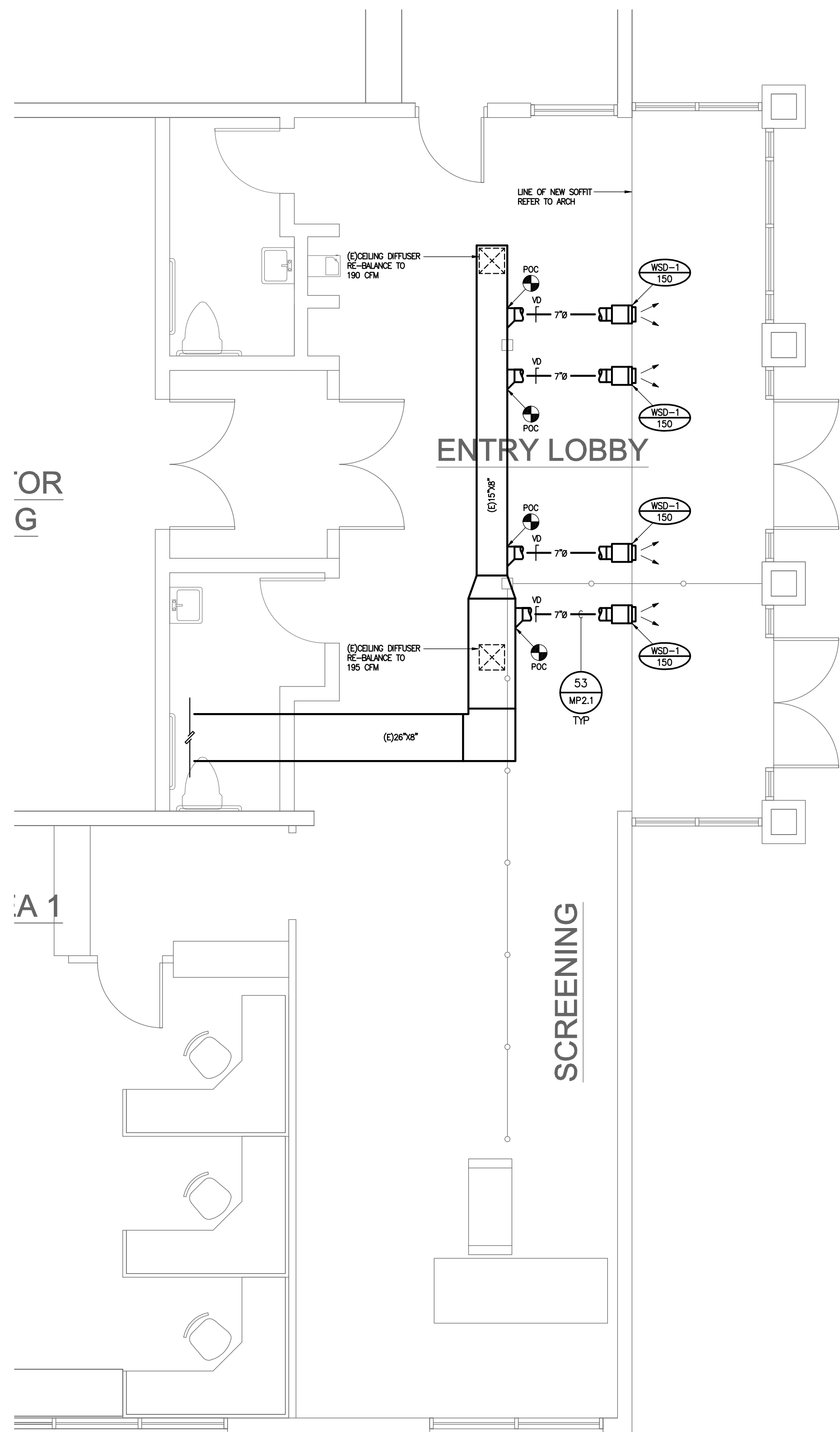
SHEET TITLE

**PHASE I SCHEDULES & DETAILS**

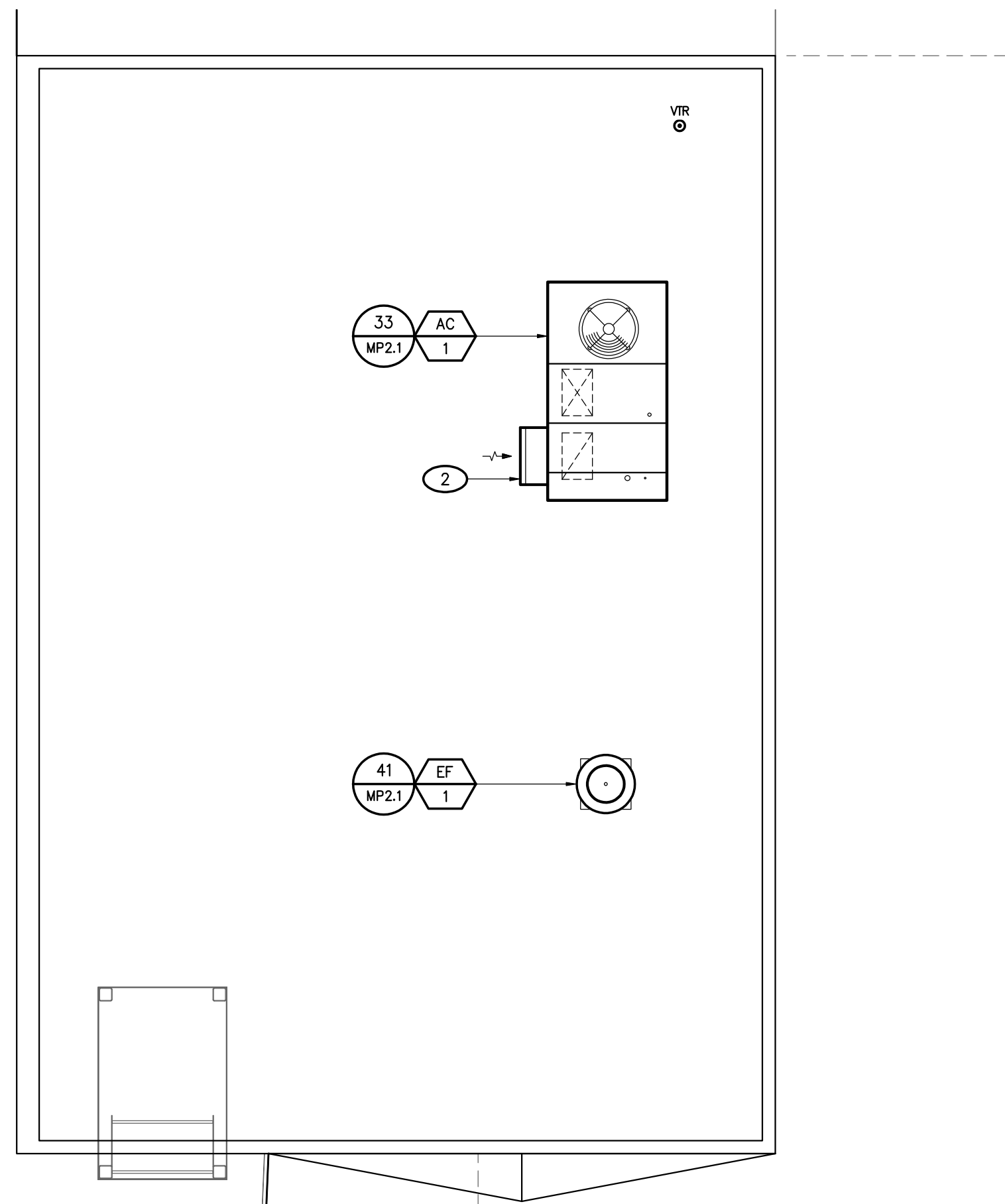
SHEET #

**MP2.1**

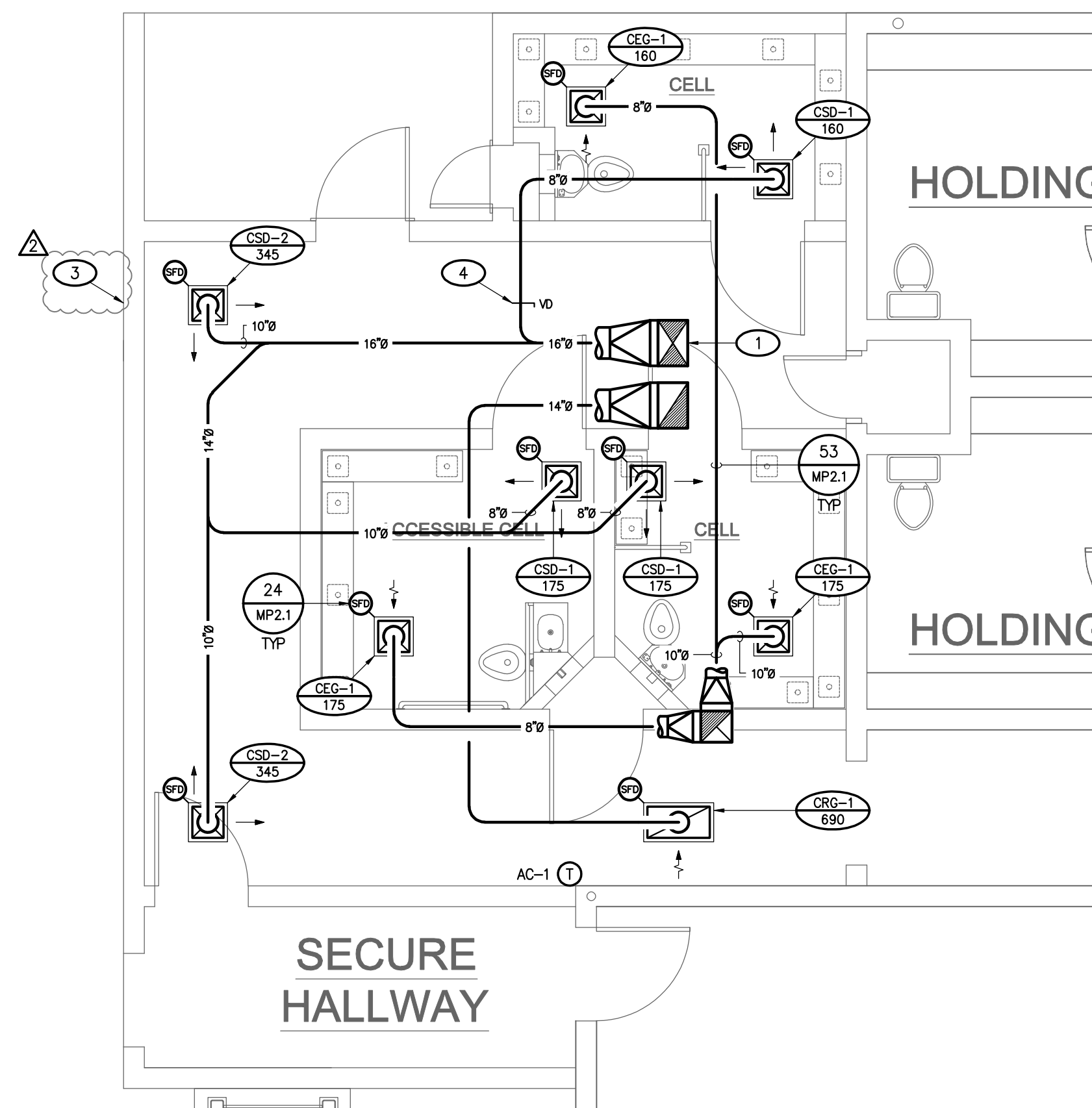




PARTIAL FLOOR PLAN  
1/4" = 1'-0"

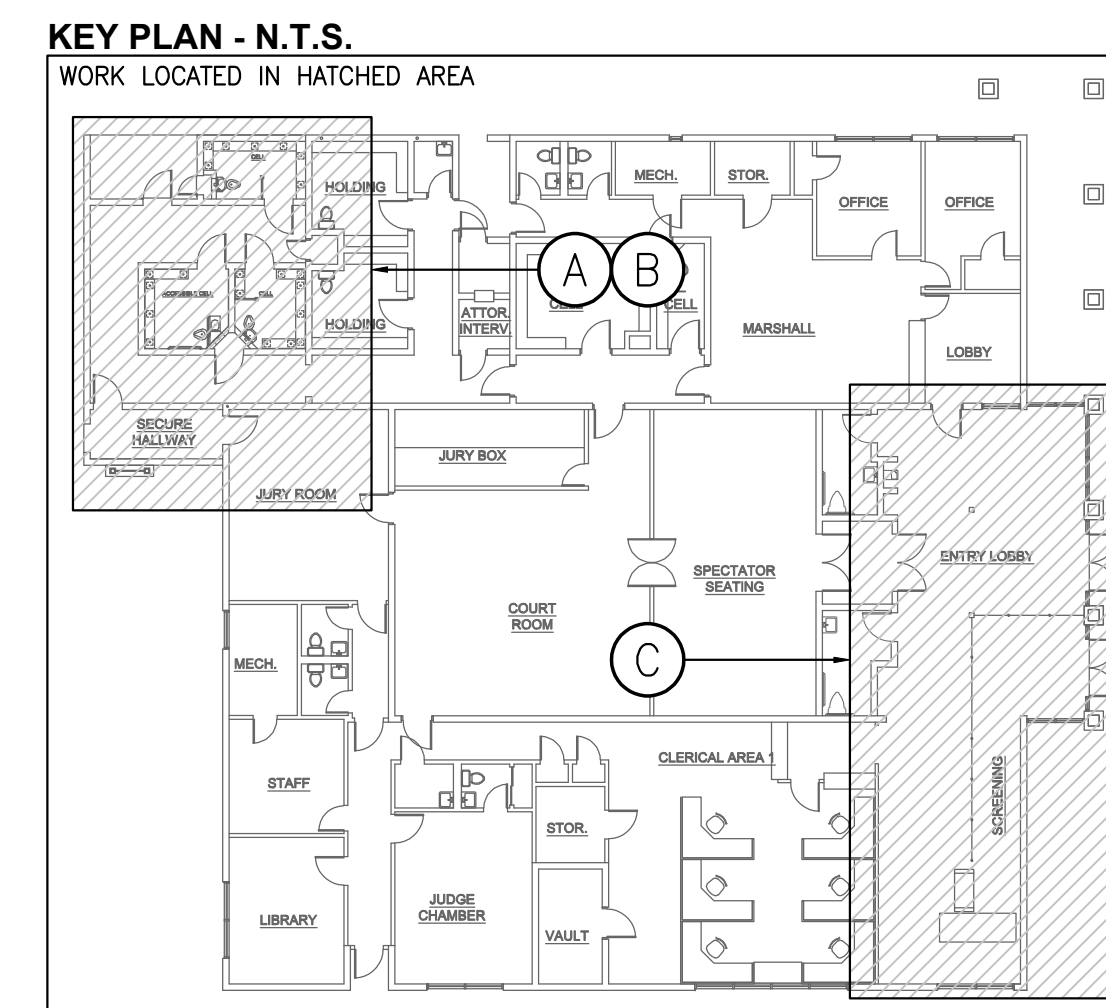


PARTIAL ROOF PLAN  
1/4" = 1'-0"



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

NOTE  
SEE SHEET T-5 FOR WALL RATINGS LEGEND



- REFERENCE NOTES
- 1 UNIT CONNECTION SIZE PLENUM DROP. PROVIDE TURNING VANE WITH SQUARE TO ROUND ADAPTOR
  - 2 OUTSIDE AIR INTAKE. REFER TO SCHEDULE FOR AIR FLOW RATE. MAINTAIN 10' CLEAR FROM ALL PLUMBING VENTS AND FLUES, & 3' CLEAR FROM ALL ENVIRONMENTAL AIR EXHAUST TERMINATIONS
  - 3 ALL PARTY WALL DUCT PENETRATIONS BY OTHERS SHALL BE PROVIDED A RATED FIRE DAMPER PER DETAIL 54/MP2.1
  - 4 VOLUME DAMPER. TYPICAL ALL BRANCH DUCTS, SUPPLY RETURN & EXHAUST

PROJECT

**SUPERIOR COURT  
OF CALIFORNIA  
COUNTY OF SAN JOAQUIN**

**MANTECA BRANCH  
SITE AND BUILDING  
IMPROVEMENTS**

**PHASE 1**

CLIENT JOB # JVA JOB #  
M11014

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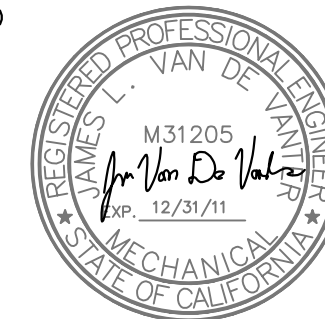
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PROJECT MANAGER TDR

DRAWN BY TDR

DATES 05/05/11  
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SIGNED



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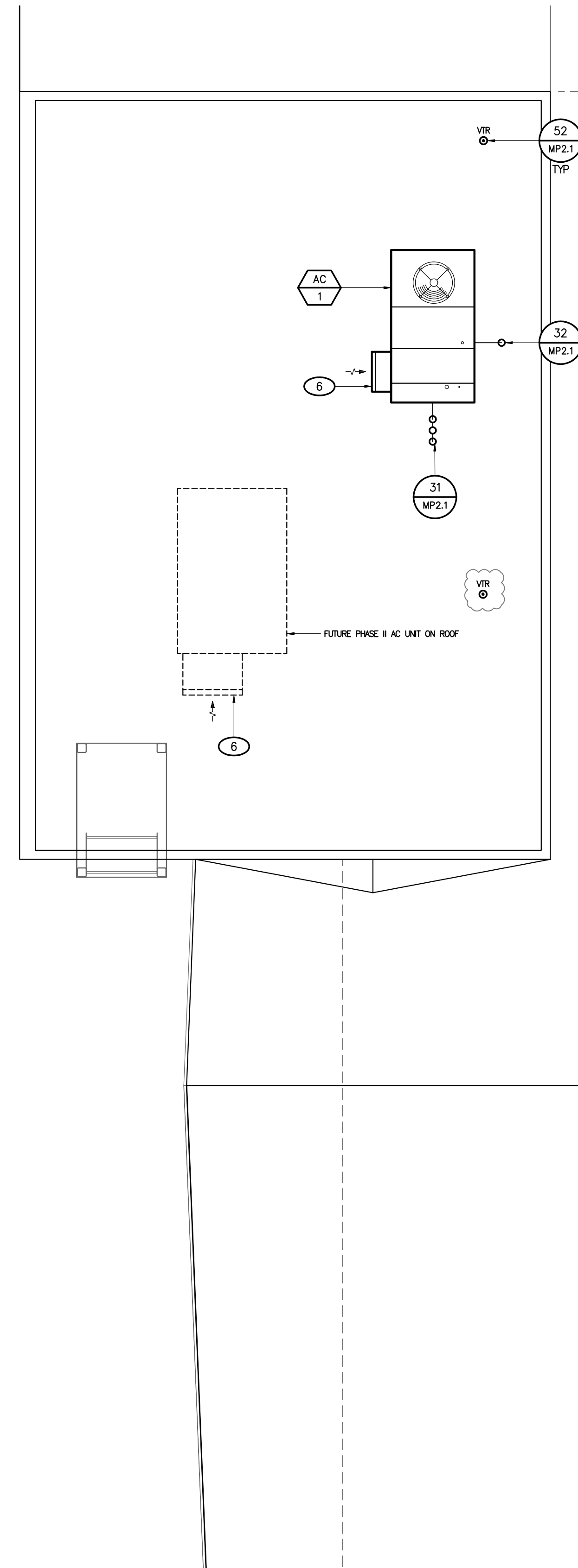
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SHEET TITLE

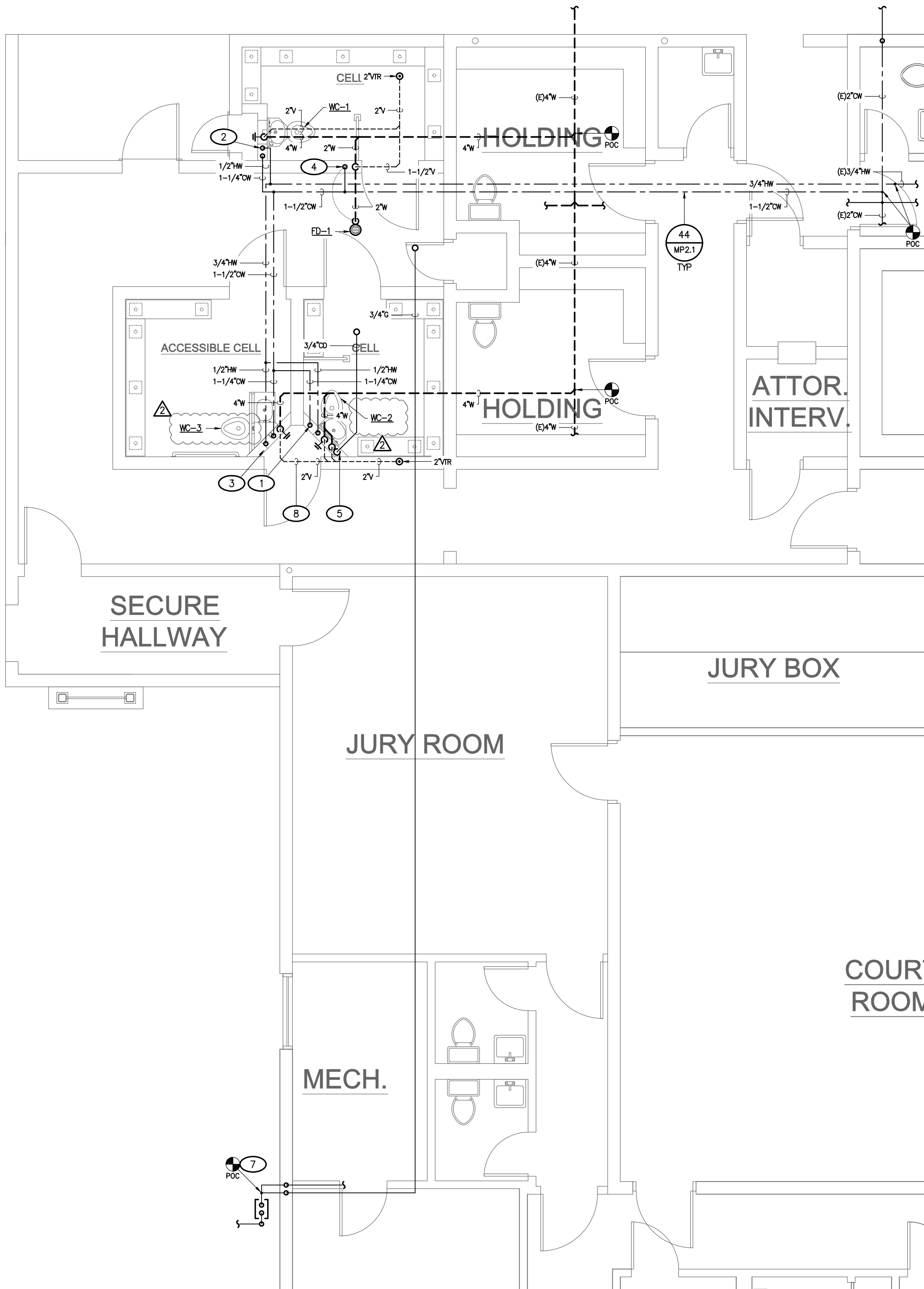
**PHASE I  
MECHANICAL  
ROOF & FLOOR  
PLANS**

SHEET #

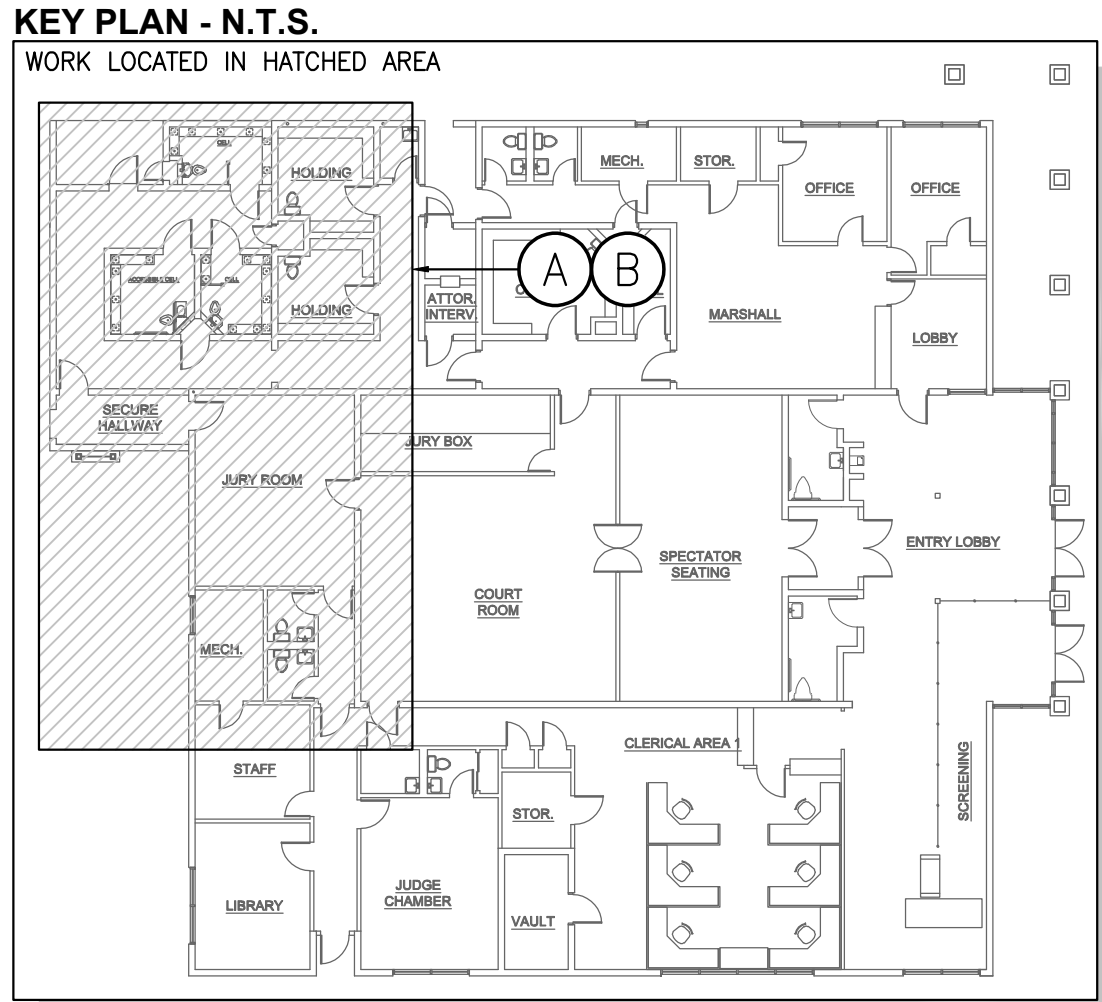
**MP3.1**



PLUMBING - PARTIAL ROOF PLAN  
1/4" = 1'-0"



PLUMBING - PARTIAL FLOOR PLAN  
1/4" = 1'-0"



UTILITY LINE SIZING						
DOMESTIC WATER SERVICE						
NEW WSFU	EXISTING WSFU	TOTAL WSFU	TOTAL GPM	FLUSH TANK/ FLUSH VALVE	METER SIZE	PIPE SIZE
15.0	76.0	91.0	65.0	VALVE	(E)2"	(E)2"
STREET PRESSURE	AVAILABLE PRESSURE	REQ'D RESIDUAL PSI AT FURTHEST FIXTURE	TOTAL DEV'LD LENGTH [D*(X0.25)]	ALLOWABLE FRICTION LOSS		
60.0psi	51.0psi	20.0	315'	9.8psi/100'		
MAXIMUM ALLOWABLE WSFU (TYPE 'L' COPPER)						
PIPE SIZE	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
COLD WATER (MAX. 8 FPS)	7	15	29	56	97	245
HOT WATER (MAX. 5 FPS)	3	8	18	28	45	241
SIZED PER APPENDIX 'A', 2010 CPC						
GAS SERVICE						
SPACE BTU	WATER BTU	OTHER BTU	TOTAL BTU	TOTAL CFH	FURTHEST DISTANCE FROM METER	PIPE SIZE
75,000	-	-	75,000	75.0	80'	3/4"
SIZED PER TABLE 12-7, 2010 CPC						
SANITARY SEWER						
NEW DFU	EXISTING DFU	TOTAL DFU	BUILDING SLOPE	PIPE SIZE		
12.0	56.0	68.0	1/4" PER 1'-0"	(E)4"		
SIZED PER TABLE 7-5, 2010 CPC						

- REFERENCE NOTES
- 1-1/4" CW DOWN PLUMBING CHASE. PROVIDE FULL PORT BRASS SOV & WATER HAMMER ARRESTOR, 1" TO COMBINATION WATER CLOSET LAVATORY UNIT, & 1/2" TRAP PRIMER TO FLOOR DRAIN 'P' TRAP WITH SHUTOFF VALVE AHEAD OF PRIMER VALVE & AN APPROVED AIR-GAP ON THE OUTLET SIDE OF THE TRAP PRIMER VALVE - TYPICAL
  - 1/2" HW DOWN PLUMBING CHASE TO LAVATORY CONNECTION. PROVIDE FULL PORT BRASS SOV - TYPICAL
  - 4" CLEANOUT ON EXPOSED WASTE PIPING
  - 1/2" TRAP PRIMER TO FLOOR DRAIN 'P' TRAP - PROVIDE ACCESS PANEL & SHUTOFF VALVE AHEAD OF PRIMER VALVE & PROVIDE AN APPROVED AIR-GAP ON THE OUTLET SIDE OF THE TRAP PRIMER VALVE, REFER TO DETAILS 51 & 23, SHEET MP2.1 - TYPICAL
  - 3/4" TYPE 'L' COPPER CONDENSATE PIPING TO AIR GAP FITTING. SLOPE MINIMUM 1/4" PER FOOT TOWARD OUTLET ON ANY HORIZONTAL SECTION OF PIPING. PROVIDE 1/2" TRAP PRIMER TO FITTING 'P' TRAP WITH ACCESS PANEL & SHUTOFF VALVE AHEAD OF PRIMER VALVE & PROVIDE AN APPROVED AIR-GAP ON THE OUTLET SIDE OF THE TRAP PRIMER VALVE, REFER TO DETAIL 14/MP2.1 - TYPICAL
  - OUTSIDE AIR INTAKE. REFER TO SCHEDULE FOR AIR FLOW RATE. MAINTAIN 10' CLEAR FROM ALL PLUMBING VENTS AND FLUES, & 3' CLEAR FROM ALL ENVIRONMENTAL AIR EXHAUST TERMINATIONS
  - RUN NEW DEDICATED GAS LINE BACK TO METER. POINT OF CONNECTION SHALL BE MADE IMMEDIATELY DOWN-STREAM OF METER OUTLET. EXISTING GAS PIPING SYSTEM TO REMAIN UNCHANGED
  - THE TOTAL PERMITTED LENGTH OF ANY VENT MAY BE INSTALLED IN A HORIZONTAL POSITION NOT EXCEEDING ONE-THIRD ITS VERTICAL LENGTH

PROJECT

**SUPERIOR COURT OF CALIFORNIA**  
COUNTY OF SAN JOAQUIN

**MANTECA BRANCH SITE AND BUILDING IMPROVEMENTS**

**PHASE 1**

CLIENT JOB # JVA JOB #  
M11014

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SHEET TITLE

**PHASE I PLUMBING ROOF & FLOOR PLANS**

SHEET #  
**MP4.1**



## GENERAL NOTES

1. CODE COMPLIANCE: ALL WORK SHALL CONFORM TO AND BE PERFORMED IN ACCORDANCE WITH CODES, STANDARDS, AND ORDINANCES AS SET FORTH BY THE AUTHORITIES HAVING JURISDICTION AND THEIR LATEST ADOPTED EDITIONS (IN EFFECT AT TIME OF BUILDING PERMIT APPLICATION) OF THE FOLLOWING PUBLICATIONS:

A. CALIFORNIA CODE OF REGULATIONS TITLE 24; INCLUDES 2010 CALIFORNIA ELECTRICAL CODE AND 2009 CALIFORNIA BUILDING CODE, CALIFORNIA FIRE CODE, ETC. WITH CALIFORNIA AND OTHER LOCAL AMENDMENTS AS APPLICABLE.

B. AMERICANS WITH DISABILITIES ACT (ADA).

2. SAFETY: THE ELECTRICAL CONTRACTOR IS RESPONSIBLE TO MAINTAIN ALL EQUIPMENT IN A SAFE AND RESPONSIBLE MANNER. KEEP DEAD FRONT EQUIPMENT IN PLACE WHILE EQUIPMENT IS ENERGIZED. CONDUCT ALL CONSTRUCTION OPERATIONS IN A SAFE MANNER FOR EMPLOYEES AS WELL AS OTHER WORKPERSONS OR ANYONE VISITING THE JOB SITE. PROVIDE BARRIERS, FLAGS, TAPE, ETC. AS REQUIRED FOR SAFETY. THE CONTRACTOR SHALL HOLD ALL PARTIES HARMLESS OF NEGLIGENCE SAFETY PRACTICES, WHICH MAY CAUSE INJURY TO OTHERS ON OR NEAR THE JOB SITE.

3. FIRE RATED ASSEMBLIES SHALL MAINTAIN RATINGS AS SPECIFIED IN THE CALIFORNIA BUILDING CODE CHAPTER 7. CONTRACTOR SHALL PROVIDE AND INSTALL PHYSICAL ENCLOSURE AROUND FIXTURES, PANELS, ETC. AS REQUIRED. ALL ASSEMBLIES TO BE PENETRATED SHALL BE INSTALLED WITH APPLICABLE THROUGH-PENETRATION FIRESTOP SYSTEM AS DETERMINED BY UL CLASSIFICATION. BEFORE CONSTRUCTION, VERIFY AND COMPLY WITH REQUIREMENTS OF LOCAL AUTHORITY HAVING JURISDICTION. REFER TO ARCHITECTURAL PLANS FOR PENETRATION DETAILS.

4. MOUNTING HEIGHTS ABOVE FINISHED FLOOR, SHALL BE AS FOLLOWS:

+15" AFF: RECEPTACLES, TELEPHONE, TV & DATA OUTLETS. (MEASURED TO BOTTOM OF OUTLET BOX).  
+48" AFF: LIGHT SWITCHES. (MEASURED TO TOP OF OUTLET BOX).  
+48" AFF: FIRE ALARM MANUAL PULL STATIONS, T-STATS. (MEASURED TO TOP OF OUTLET BOX).  
THE LOWER OF +80" AFF OR 6" BELOW CEILING: FIRE ALARM VISUALS.

BEFORE ROUGH-IN, VERIFY ALL MOUNTING HEIGHTS AND EXACT LOCATIONS FOR ALL EQUIPMENT ELECTRICAL CONNECTIONS, STUB-UPS, RECEPTACLES, OUTLETS, ETC. WITH ARCHITECT OR OWNER. PLACE DEVICES LOCATED ABOVE COUNTERS, SHELVING, ETC. AND IN BATHROOMS SO AS NOT TO CONFLICT WITH EDGES OF WAINSCOTING, COUNTER SPLASH, SHELVING, ETC. ARCHITECTURAL SHEETS SHALL GOVERN.

5. LABEL PANELS, CABINETS, BACKBOARDS, MAIN DEVICES, SAFETY SWITCHES, CONTACTORS AND OTHER SPECIFICALLY DESIGNATED EQUIPMENT SHOWN ON PLANS. USE ENGRAVED LAMINATED PLASTIC NAMEPLATES ATTACHED BY SCREWS OR RIVETS. FOR FEEDERS, NEATLY AND INDELIBLY LABEL CONDUIT DESTINATIONS ON BOTH VISIBLE ENDS OF CONDUIT RUNS WHERE CONDUITS TERMINATE AT DESIGNATED ENCLOSURES, STRUCTURES OR EQUIPMENT (INCLUDING PULL AND SPLICE BOXES).

6. EQUIPMENT ANCHORAGE NOTE  
ALL MECHANICAL AND ELECTRICAL EQUIPMENT SHALL BE ANCHORED OR BRACED TO MEET THE HORIZONTAL AND VERTICAL FORCES PRESCRIBED IN THE 2010 CBC.

THE ATTACHMENT OF THE FOLLOWING ITEMS SHALL BE DESIGNED TO RESIST THE FORCES PRESCRIBED ABOVE, BUT NEED NOT BE DETAILED ON THE PLANS:

- A. EQUIPMENT WEIGHING LESS THAN 400 POUNDS SUPPORTED DIRECTLY ON THE FLOOR OR ROOF.  
B. FURNITURE REQUIRED TO BE ATTACHED IN ACCORDANCE WITH PART 2, TITLE 24, C.C.R..  
C. TEMPORARY OR MOVABLE EQUIPMENT.  
D. EQUIPMENT WEIGHING LESS THAN 20 POUNDS SUPPORTED BY VIBRATION ISOLATORS.  
E. EQUIPMENT WEIGHING LESS THAN 20 POUNDS SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE MECHANICAL/ELECTRICAL ENGINEER AND THE FIELD REPRESENTATIVE OF THE DIVISION OF THE STATE ARCHITECT.

### PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO RESIST THE FORCES PRESCRIBED IN ASCE 7-05 SECTION 13.3 AS DEFINED IN ASCE 7-05 SECTION 13.6.8, 13.6.7, AND 13.6.5.5, ITEM 6, RESPECTIVELY.

THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVALS WITH AN OPA#, SUCH AS MASON INDUSTRIES (OPA 349), OR ISAT (OPA 485) AS MODIFIED TO SATISFY ANCHORAGE REQUIREMENTS OF ACI 318, APPENDIX D.

COPIES OF THE MANUAL SHALL BE ON THE JOBSITE PRIOR TO STARTING HANGING AND BRACING OF THE PIPE, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS.

THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

### MECHANICAL SYSTEMS

- MECHANICAL UNIT CONDUITS: TO PREVENT DAMAGE DUE TO VIBRATION, BOTH POWER AND CONTROL WIRING CONDUITS FEEDING EXTERIOR MECHANICAL UNITS SHALL BE PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR WITH LIQUID TIGHT FLEXIBLE TYPE AT FINAL CONNECTION TO UNIT AND BETWEEN ROOF JACK AND DISCONNECT SWITCH WHERE DISCONNECT IS MOUNTED ON UNIT.
- EXHAUST FANS SHALL BE PROVIDED & INSTALLED BY MECHANICAL CONTRACTOR WITH WIRING CONNECTIONS MADE BY ELECTRICAL CONTRACTOR.
- MECHANICAL EQUIPMENT CONTROLS: MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LOW VOLTAGE WIRE AND CONNECTIONS (BELOW 120 VOLT) TO AND FROM ALL MECHANICAL CONTROL DEVICES. ALL LOW VOLTAGE CONTROL WIRE SHALL BE IN CONDUIT, UNLESS OTHERWISE NOTED.
- PULLROPES: ANY RACEWAY WITHOUT CABLE OR WIRE SHALL BE INSTALLED WITH MINIMUM 200 POUND TEST PULL LINE AND LARGER IF REQUIRED BY SERVING UTILITY COMPANY. ANY NEW OR EXISTING COMMUNICATION OR SIGNAL RACEWAY ROUTED BETWEEN BUILDINGS, SIGNAL CABINETS, AND/OR SIGNAL CLOSETS WITH FUTURE CAPACITY SHALL BE INSTALLED WITH MINIMUM 200 POUND TEST PULL LINE AS WELL AS THE CALLED FOR CABLE.

### EXISTING FIRE ALARM SYSTEM

- FIRE ALARM SYSTEM IS EXISTING TO REMAIN, NO WORK BEING PERFORMED WILL EFFECT THIS SYSTEM.

## LEGEND

NOTE: INTERPRET IN CONTEXT

### LIGHT FIXTURES

- CEILING SURFACEMOUNT
- WALL SURFACEMOUNT
- PENDANT MOUNT
- ⊞ RECESSED DOWNLIGHT
- ⊞ RECESSED WALLWASH
- ⊞ RECESSED FLUOR.
- ⊞ SURFACE FLUOR.
- ⊞ FLUOR. STRIP UON
- ⊞ TRACK LIGHT
- ⊞ DIRECTIONAL FLOOD
- ⊞ EMERGENCY FIXTURE
- ⊞ POLE LIGHT
- ⊞ POLE LIGHT-- DECORATIVE
- ⊞ TANDEM--WIRED LAMPS
- ⊞ BOLLARD
- ⊞ EXIT LIGHT-- WALL
- ⊞ EXIT LIGHT-- CEILING (ARROW INDICATES DIRECTION)
- ⊞ LETTER ADJACENT INDICATES FIXTURE TYPE

### POWER/COMM.

- ⊞ SINGLE RECEPT.
- ⊞ DUPLEX RECEPT.
- ⊞ \*\* INDICATES TO MOUNT DEVICE ABOVE COUNTER PER ARCHITECTURAL
- ⊞ DUPLEX-- HALF SWITCHED
- ⊞ DOUBLE DUPLEX
- ⊞ SPECIAL CONFIGURATION
- ⊞ DUPLEX-- FLOOR OUTLET
- ⊞ JUNCTION BOX
- ⊞ TELEPHONE OUTLET
- ⊞ DATA OUTLET
- ⊞ PHONE/DATA COMBO OUTLET
- ⊞ SAFETY DISCONNECT
- ⊞ TELEVISION OUTLET

### MISCELLANEOUS

- MOTOR
- THERMOSTAT
- CIRCUIT BREAKER
- FUSIBLE SWITCH
- PHASE
- ⊞ GROUND

### CONDUIT/WIRE

- NEW
- UNDERGROUND
- NEW POWER HOMERUN (3 HOTS & NEUT SHOWN)
- ISOLATED GROUND
- EXISTING TO REMAIN
- (E) POWER HOMERUN
- CONDUIT STUB (W/MARKER)
- VERTICAL CONDUIT RUN
- CONDUIT SEAL
- FLEXIBLE CONNECTION
- LOW VOLTAGE
- SURFACEMOUNT RACEWAY

### SWITCHES

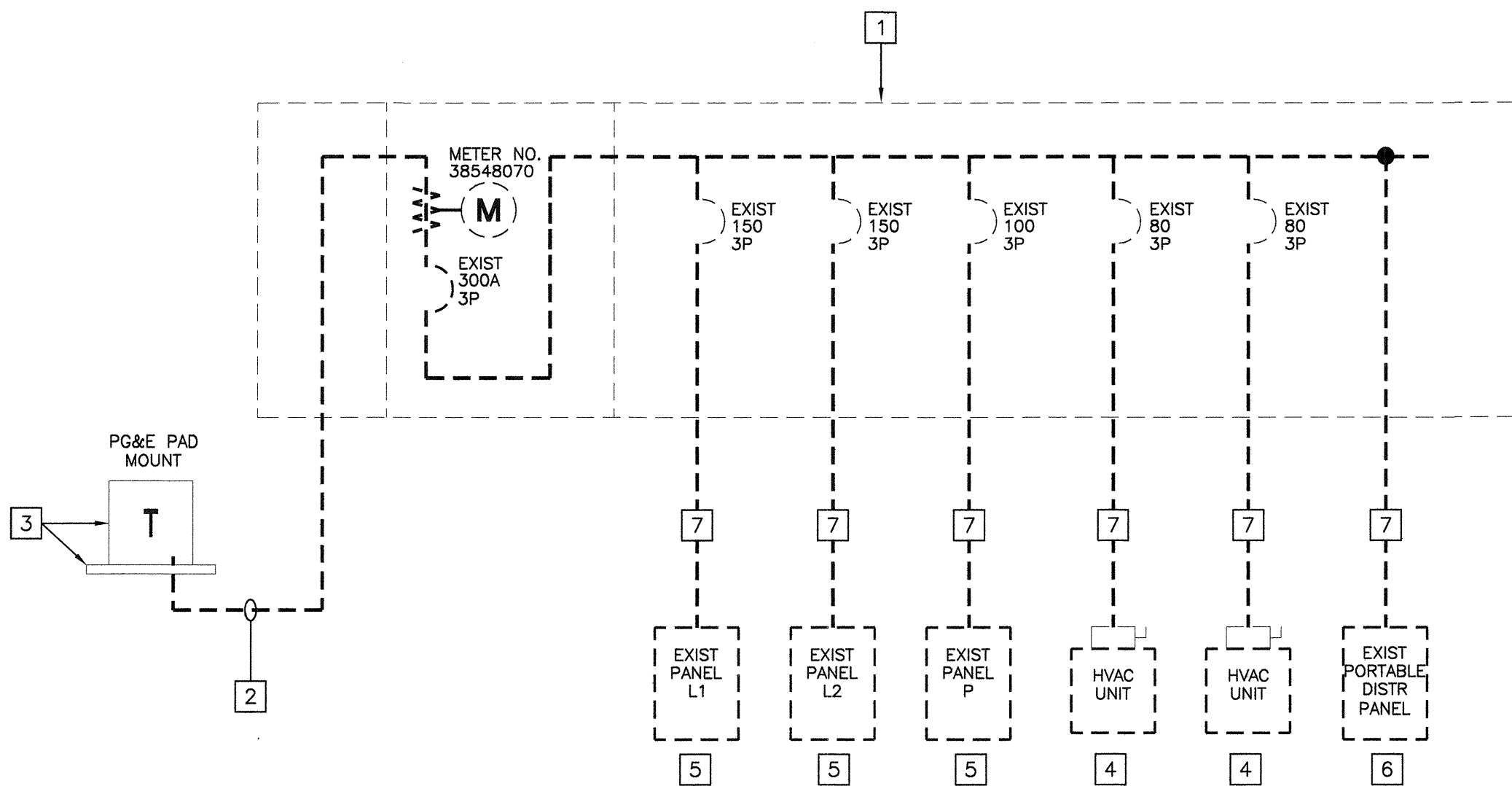
- \$ SPST
- \$2 DPST
- \$3 3-WAY
- \$4 4-WAY
- \$5 DIMMER
- \$6 TIMER SWITCH
- \$7 W/THERMAL OVERLOAD
- \$8 W/PILOT LIGHT
- \$9 KEY OPERATED
- \$10 DUAL LEVEL SWITCHING
- (a) SWITCHLEG DESIGNATION
- ⊞ OCCUPANCY SENSOR
- ⊞ OCCUPANCY SENSOR WITH PHOTOSENSOR

### FIRE ALARM

- ⊞ HORN-- AUDIBLE DEVICE
- ⊞ VISUAL-- VISUAL DEVICE
- ⊞ AUDIBLE/VISUAL
- ⊞ FLOW SWITCH
- ⊞ TAMPER SWITCH
- ⊞ MANUAL PULL STATION
- ⊞ SMOKE DETECTOR
- ⊞ DUCT SMOKE DETECTOR
- ⊞ HEAT DETECTOR
- ⊞ BELL
- ⊞ END OF LINE RESISTOR

### ABBREVIATIONS

- A AMPERE
- AF AMP FUSE RATING
- AFF ABOVE FINISH FLOOR
- AFG ABOVE FINISH GRADE
- AIC AMPERES INTERRUPT CAPACITY
- AS AMP SWITCH RATING
- BFG BELOW FINISH GRADE
- CB CIRCUIT BREAKER
- CEC CA. ELECTRICAL CODE
- CKT CIRCUIT
- C CONDUIT
- (E) EXISTING
- EC ELECTRICAL CONTRACTOR
- EF--# EXHAUST FAN
- (EXN) (E) IN (N) LOCATION
- (EXR) (E) TO BE (R)
- (F) FUTURE
- FA FIRE ALARM
- FACP FIRE ALARM CONTROL PANEL
- G GROUNDING CONDUCTOR
- GC GENERAL CONTRACTOR
- GFI GROUND FAULT CKT INTERRUPTER
- GND GROUND
- GRS GALVANIZED RIGID STEEL
- GWS GANGED WITH SWITCH
- IG ISOLATED GROUND
- LTG LIGHTING
- MC MECHANICAL CONTRACTOR
- MCB MAIN CIRCUIT BREAKER
- MLO MAIN LUGS ONLY
- MSB MAIN SWITCHBOARD
- MTTB MAIN TELEPHONE TERMINAL BOARD
- (N) NEW
- NIC NOT IN CONTRACT
- NL NIGHT LIGHT
- P POLE
- (R) RELOCATE(D)
- TBR TO BE REMOVED
- TYP TYPICAL
- UC UNDERCABINET
- UG UNDERGROUND
- UON UNLESS OTHERWISE NOTED
- V VOLT
- VA VOLT AMPERES
- W WATT, WIRE
- WP WEATHERPROOF (NEMA 3R)



## SINGLE LINE DIAGRAM

## REFERENCE NOTES

- EXISTING 400AMP SERVICE TO REMAIN.
- EXISTING PG&E SECONDARY CONDUIT TO REMAIN.
- EXISTING CONCRETE PAD / PG&E TRANSFORMER #T-610 TO REMAIN.
- EXISTING HVAC UNITS, TO REMAIN.
- EXISTING ELECTRICAL PANEL TO REMAIN.
- EXISTING PORTABLE DISTRIBUTION PANEL REMAIN.
- EXISTING FEEDER TO REMAIN.

### PROJECT

## SUPERIOR COURT OF CALIFORNIA COUNTY OF SAN JOAQUIN

## MANTECA BRANCH SITE AND BUILDING IMPROVEMENTS

### PHASE 1

CLIENT JOB # ARCHITECT JOB #  
1007

## FRASER SEIPLE ARCHITECTS

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DATES 06/20/11  
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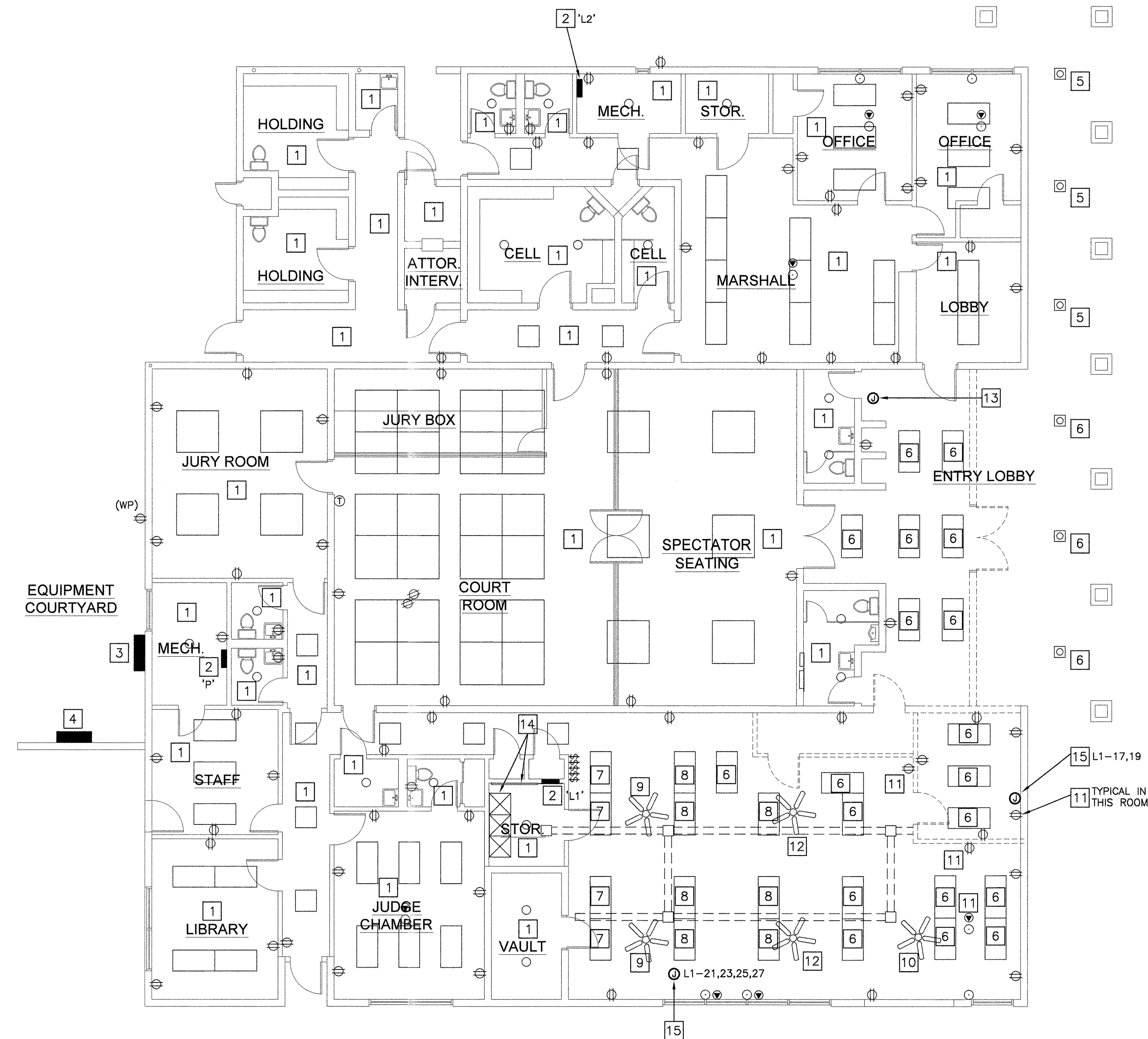
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SHEET TITLE

## GENERAL NOTES, LEGEND AND ABBREVIATIONS

SHEET #

# E1.0



### REFERENCE NOTES

- EXISTING ELECTRICAL EQUIPMENT IN THIS ROOM / AREA TO REMAIN.
- EXISTING ELECTRICAL PANEL TO REMAIN, SEE PANEL SCHEDULES.
- EXISTING MAIN ELECTRICAL SERVICE TO REMAIN.
- EXISTING DISTRIBUTION PANEL TO REMAIN.
- EXISTING RECESSED DOWNLIGHT TO REMAIN, CLEAN AND RELAMP.
- EXISTING LIGHTING FIXTURE TO BE REMOVED.
- EXISTING LIGHTING FIXTURE TO REMAIN, CLEAN, RELAMP AND PROVIDE NEW LENSE.
- EXISTING LIGHTING FIXTURE TO BE RELOCATED, SEE LIGHTING PLAN FOR NEW LOCATION.
- EXISTING PADDLE FAN TO REMAIN.
- EXISTING PADDLE FAN TO BE REMOVED.
- EXISTING OUTLET TO BE REMOVED.
- EXISTING PADDLE FAN TO BE RELOCATED, SEE LIGHTING PLAN FOR NEW LOCATION.
- TERMINATE EXISTING LIGHTING BRANCH 'L2-10' IN CEILING AS REQUIRED FOR EXTENSION TO NEW LOBBY LIGHTING, SEE LIGHTING FLOOR PLAN.
- EXISTING TELEPHONE BACKBOARD AND DATA EQUIPMENT TO REMAIN.
- TERMINATE EXISTING RECEPTACLE BRANCH CIRCUITS AS REQUIRED FOR EXTENSION TO NEW MODULAR FURNITURE/RECEPTACLES, SEE ELECTRICAL FLOOR PLAN.

### GENERAL DEMOLITION PLAN NOTES

- REFER TO ARCHITECTURAL DEMOLITION SHEETS FOR ADDITIONAL INFORMATION.
- EQUIPMENT SHOWN TO BE REMOVED IS SHOWN FOR REFERENCE ONLY. INFORMATION WAS OBTAINED FROM ORIGINAL BUILDING DRAWINGS AND LIMITED FIELD INVESTIGATION AND MAY NOT REPRESENT ALL ELECTRICAL DEMOLITION. FIELD VERIFY CONDITIONS AND DISCONNECT/REMOVE ALL EQUIPMENT AS REQUIRED TO MEET THE INTENT OF THAT SHOWN ON THE LIGHTING AND POWER/SIGNAL DRAWINGS.
- ALL ELECTRICAL EQUIPMENT SHOWN ON DRAWING (OR REQUIRED) TO BE DEMOLISHED SHALL BE DISCONNECTED, REMOVED AND DISPOSED OF BY ELECTRICAL CONTRACTOR. NO EQUIPMENT (RACEWAYS, BOXES, CABLING, ETC.) SHALL BE ABANDONED IN PLACE AND COVERED BY NEW CONSTRUCTION.
- CLEAN, REPAIR (AS REQUIRED) AND RELAMP ALL EXISTING LIGHT FIXTURES THAT ARE TO REMAIN AND BE RE-USED TO ASSUME ALL FIXTURE ARE OPERATIONAL UPON COMPLETION OF PROJECT.
- ANY LIGHT SWITCHES THAT ARE NO LONGER IN USE, WHETHER SHOWN ON THE DEMOLITION PLAN OR NOT, ARE TO HAVE THE DEVICE AND WIRING REMOVED, AND A BLANK COVER PLATE INSTALLED.
- SCHEDULE ANY OUTAGES WITH OWNER PRIOR TO DE-ENERGIZATION OF ANY BRANCH CIRCUITS OR FEEDERS.
- DISCONNECTION/REMOVAL OF EXISTING COMMUNICATIONS SYSTEMS COMPONENTS SHALL BE SCHEDULED WITH OWNER AND COORDINATED WITH THEIR VENDORS.
- SALVAGE ALL REMOVED COMPONENTS (SPEAKERS, GRILLES, TELEPHONE INSTRUMENTS, RADIO HANDSETS, ETC.) SHALL BE SALVAGED TO THE OWNER.
- INFORMATION SHOWN FOR LOAD DESCRIPTIONS ON EXISTING PANELS WAS GAINED FROM ORIGINAL BUILDING ELECTRICAL PLANS AND SHALL BE FIELD VERIFIED. CONFIRM LOAD ON EACH CIRCUIT OF ALL EXISTING PANELS AND PROVIDE UPDATED TYPEWRITTEN CIRCUIT DIRECTORY (IN PLASTIC SLEEVE) FOR EACH EXISTING PANELBOARD.
- ANY LOADS REMOVED DURING DEMOLITION SHALL HAVE CONDUCTORS REMOVED BACK TO NEXT REMAINING DEVICE OR TO EXISTING PANELS. ABANDONED BREAKERS SHALL BE LABELED "SPARE".

**ELECTRICAL DEMOLITION FLOOR PLAN**  
SCALE: 1/8" = 1'-0"  
NORTH

PROJECT

**SUPERIOR COURT  
OF CALIFORNIA  
COUNTY OF SAN JOAQUIN**

**MANTECA BRANCH  
SITE AND BUILDING  
IMPROVEMENTS**

**PHASE 1**

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**FRASER  
SEIPLE  
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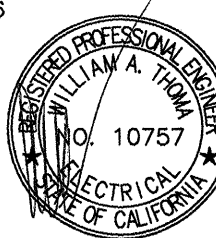
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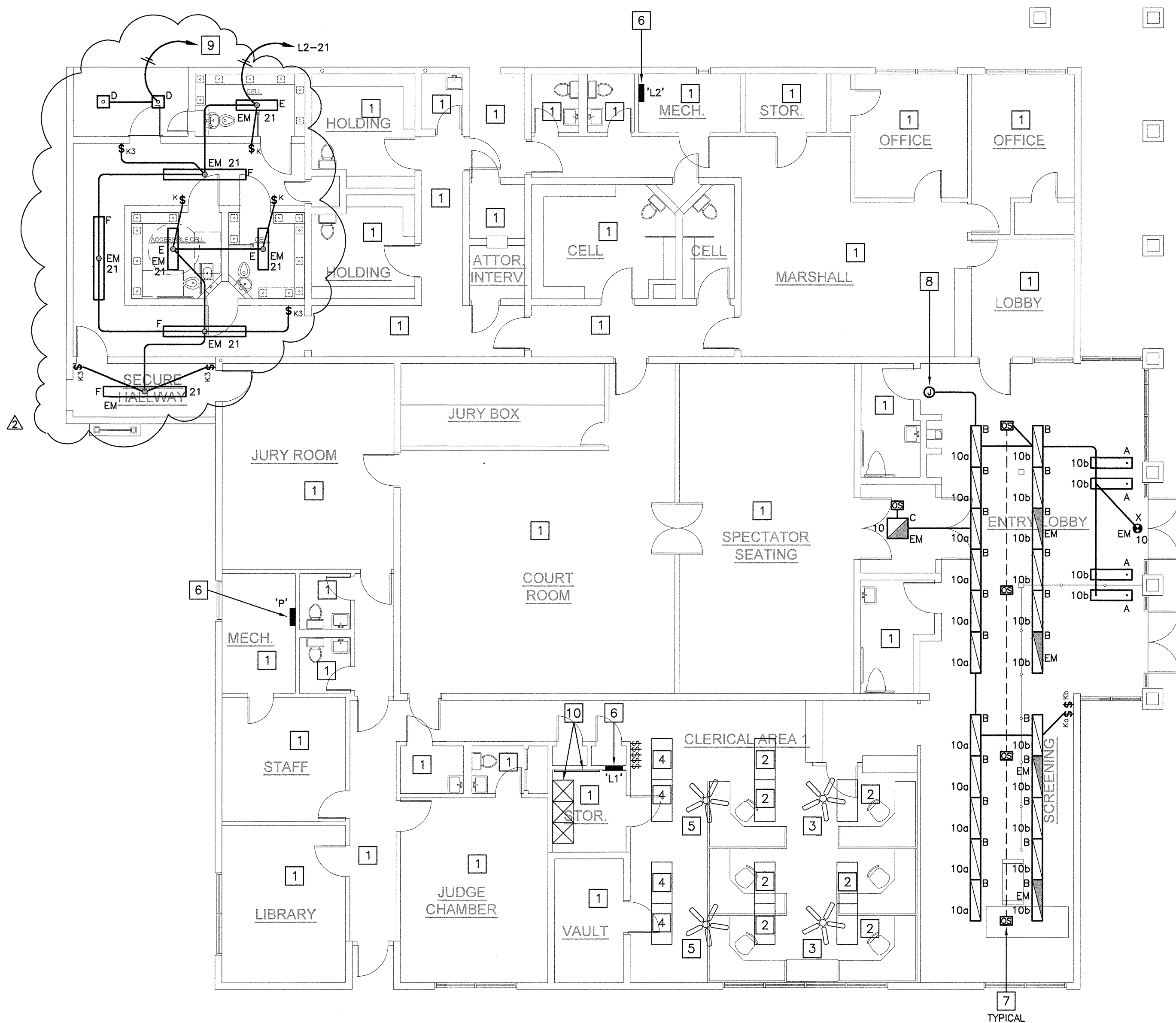
SHEET TITLE

**ELECTRICAL  
DEMOLITION  
FLOOR PLAN**

SHEET #

**E2.0**





**ELECTRICAL LIGHTING FLOOR PLAN**  
SCALE: 1/8" = 1'-0"  
NORTH

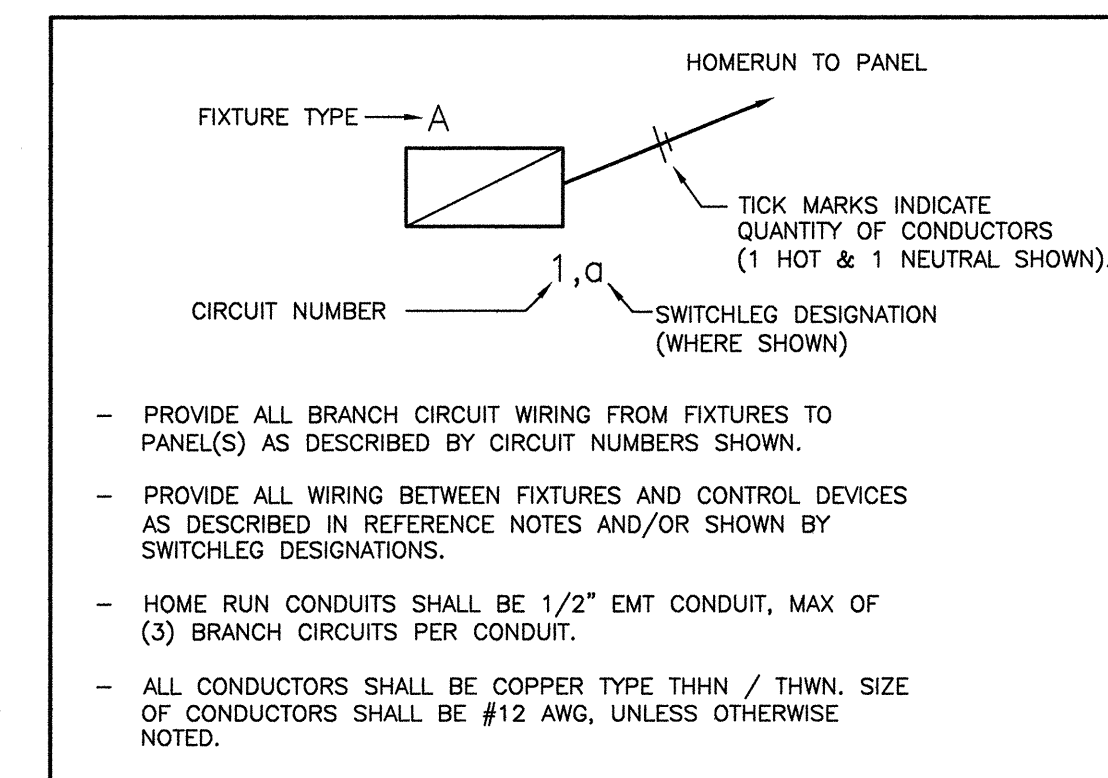
## REFERENCE NOTES

- EXISTING LIGHTING FIXTURES AND CONTROL IN THS ROOM / AREA TO REMAIN.
- EXISTING LIGHTING FIXTURE RELOCATED TO THIS POSITION, SEE DEMO PLAN.
- EXISTING PADDLE FAN RELOCATED TO THIS POSITION, SEE DEMO PLAN.
- EXISTING LIGHTING FIXTURE TO REMAIN.
- EXISTING PADDLE FAN TO REMAIN.
- EXISTING ELECTRICAL PANEL TO REMAIN.
- DUAL TECH OCCUPANCY SENSOR, SEE WIRING DIAGRAM ON SHEET E3.0.
- EXTEND EXISTING LIGHTING BRANCH CIRCUIT 'L2-10' AND CONNECT TO NEW LIGHTING AS SHOWN.
- CONNECT TO EXISTING EXTERIOR LIGHTING BRANCH CIRCUIT 'L2-3' AND CONTROLS.
- EXISTING TELEPHONE BACKBOARD AND DATA EQUIPMENT TO REMAIN.

## GENERAL LIGHTING PLAN NOTES

- DUAL LEVEL SWITCHING: IN ROOMS 100 SQ. FT. OR LARGER, OR WHERE INDICATED ON PLANS, CONTROL INBOARD LAMPS BY ONE SWITCH AND OUTBOARD LAMPS BY OTHER SWITCH.
- LIGHTING FIXTURE LOCATIONS SHOWN ARE SCHEMATIC. REFER TO ARCHITECTURAL PLANS (REFLECTED CEILING, ELEVATIONS, ETC.) FOR EXACT LOCATIONS AND MOUNTING HEIGHTS PRIOR TO ROUGH-IN.
- REFER TO ARCHITECT'S REFLECTED CEILING PLAN(S) FOR CEILING HEIGHTS, TYPES, FINISHES, ETC. IN EACH AREA. VERIFY FLANGE TYPES, TRIM KITS, STEM LENGTHS, ETC. FOR ALL FIXTURES PRIOR TO SUBMITTALS.
- CONFIRM LOCATION OF ALL DOORS SWINGS WITH ARCHITECTURAL PLANS PRIOR TO ROUGH-IN OF SWITCHES.
- PROVIDE UNSWITCHED HOT LEG OF ROOM LIGHTING BRANCH CIRCUIT TO EACH BATTERY POWERED EMERGENCY LIGHT AND EXIT SIGN FOR CONTINUOUS CHARGING.
- REFER TO DETAIL 34 / A8.4 FOR CONDUIT THROUGH 2 HOUR CONCRETE LID REQUIREMENTS.
- REFER TO SHEET T.5 FOR ALL RATED WALL AND CEILING LOCATIONS.

## CIRCUITING LEGEND



PROJECT

**SUPERIOR COURT  
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**MANTECA BRANCH  
SITE AND BUILDING  
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**FRASER  
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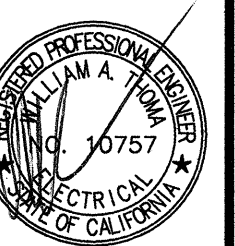
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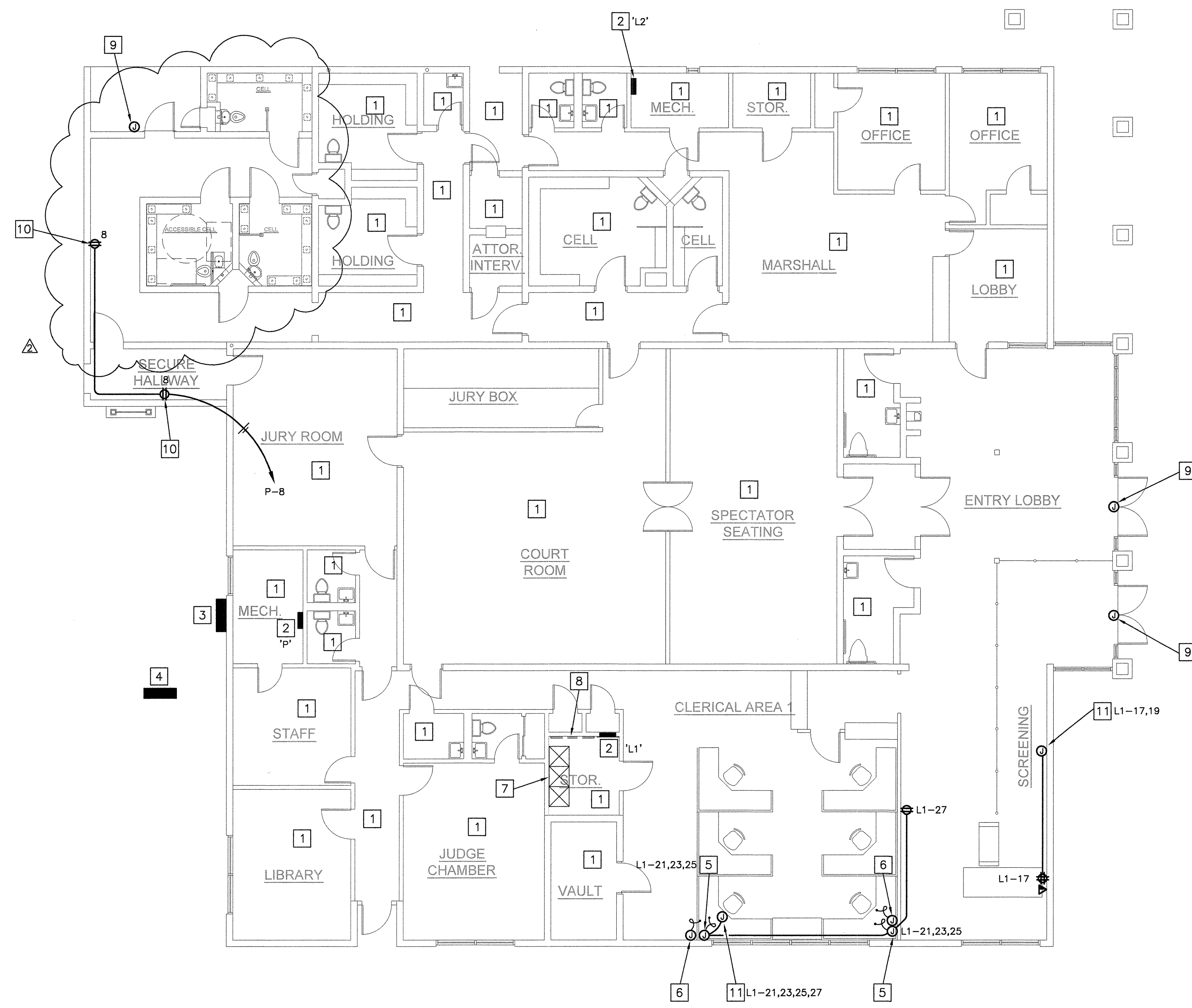
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SHEET TITLE

**ELECTRICAL  
LIGHTING FLOOR  
PLAN**

SHEET #

**E2.1**



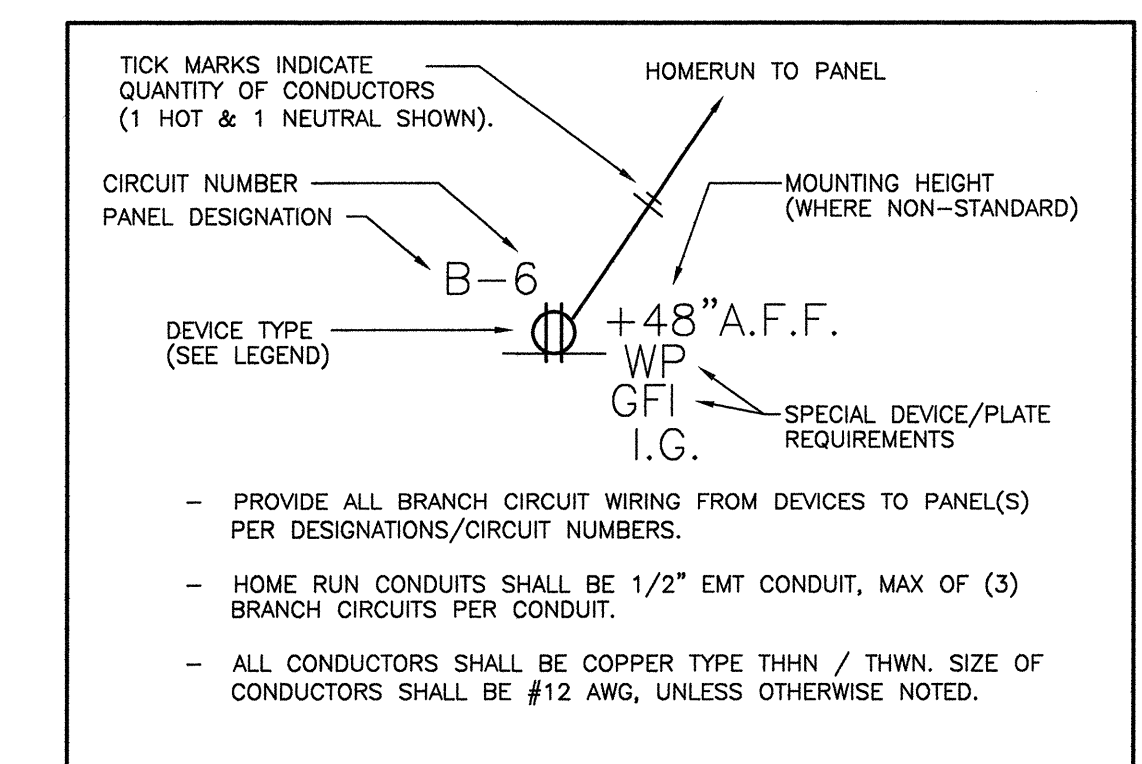
REFERENCE NOTES

1. EXISTING OUTLETS IN THIS ROOM / AREA TO REMAIN.
2. EXISTING ELECTRICAL PANEL TO REMAIN, SEE PANEL SCHEDULES.
3. EXISTING MAIN ELECTRICAL SERVICE TO REMAIN.
4. EXISTING DISTRIBUTION PANEL TO REMAIN.
5. J-BOX WITH FLEXIBLE ELECTRICAL CONNECTION TO MODULAR FURNITURE.
6. J-BOX WITH FLEXIBLE LOW VOLTAGE SYSTEMS CONNECTION TO MODULAR FURNITURE.
7. EXISTING DATA RACK AND EQUIPMENT TO REMAIN.
8. EXISTING MAIN TELEPHONE BKBD TO REMAIN.
9. J-BOX WITH 3/4" C.O. STUB TO ACCESSIBLE CEILING SPACE FOR DOOR ACCESS CONTROL / SECURITY SYSTEM EQUIPMENT.
10. TAMPERPROOF OUTLET WITH VANDAL RESISTANT COVER.
11. EXTEND EXISTING BRANCH CIRCUIT AND CONNECT TO NEW MODULAR FURNITURE/RECEPTACLES AS SHOWN.

GENERAL POWER PLAN NOTES

1. FUSING: ALL FUSIBLE SAFETY DISCONNECT SWITCHES SHALL BE PROVIDED WITH DUAL-ELEMENT TIME DELAY TYPE FUSES SIZED AND RATED PER EQUIPMENT MANUFACTURERS' RECOMMENDATIONS. VERIFY WITH EQUIPMENT NAMEPLATE BEFORE INSTALLATION.
2. MOTOR OVERLOAD PROTECTION: WHERE REQUIRED BY NEC ARTICLE 430 PART C AND NOT SHOWN ON PLAN OR PROVIDED INTEGRAL WITH EQUIPMENT, PROVIDE AND INSTALL THERMAL OVERLOAD PROTECTION FOR ALL MOTORS.
3. DEVICE LOCATIONS SHOWN ARE SCHEMATIC AND APPROXIMATE. EXACT LOCATIONS SHALL BE FIELD VERIFIED DURING ROUGH-IN WITH ARCHITECTURAL ELEVATIONS, CASEWORK SHOP DRAWINGS, FURNITURE, ETC. AND SHALL BE COORDINATED WITH OTHER TRADES TO AVOID CONFLICT WITH OTHER EQUIPMENT.
4. ELECTRICAL AND COMMUNICATIONS OUTLETS SHOWN IN THE SAME LOCATION, SHALL BE MOUNTED ON OPPOSITE SIDES OF THE SAME STUD. COORDINATE BETWEEN ELECTRICAL AND COMMUNICATIONS PLANS.
5. SIGNAL AND COMMUNICATIONS SYSTEMS RACEWAYS AND BOXES: PROVIDE AND INSTALL 4" SQUARE RECESSED JUNCTION BOX WITH 1-GANG RING AND (1) 3/4" CONDUIT STUB TO ACCESSIBLE CEILING SPACE ABOVE AT EACH WALL. TELEPHONE (VOICE), TELEVISION AND DATA OUTLET LOCATION SHOWN ON THE PLANS UNLESS OTHERWISE NOTED. FOR EACH COMBINATION VOICE/DATA OUTLET, PROVIDE AND INSTALL (1) 1-1/4" CONDUIT STUBS TO ACCESSIBLE CEILING SPACE.
6. REFER TO DETAIL 34 / A8.4 FOR CONDUIT THROUGH 2 HOUR CONCRETE LID REQUIREMENTS.
7. REFER TO SHEET T.5 FOR ALL RATED WALL AND CEILING LOCATIONS.

CIRCUITING LEGEND



**ELECTRICAL POWER FLOOR PLAN**  
SCALE: 1/8" = 1'-0"  
NORTH

PROJECT

**SUPERIOR COURT OF CALIFORNIA**  
COUNTY OF SAN JOAQUIN

**MANTECA BRANCH SITE AND BUILDING IMPROVEMENTS**

**PHASE 1**

CLIENT JOB # ARCHITECT JOB #  
1007

**FRASER SEIPLE ARCHITECTS**  
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No. 10757  
State of California

EXPIRES: 06/30/13  
THOMA #11-8014

PROJECT MANAGER RP

DRAWN BY LB

DATES 06/20/11 09/01/11

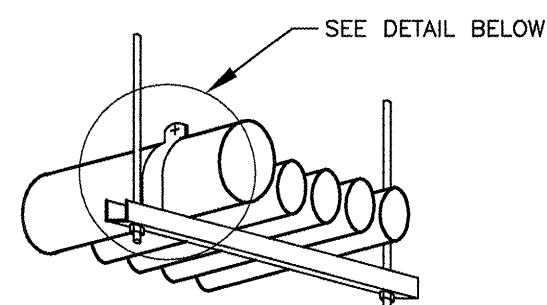
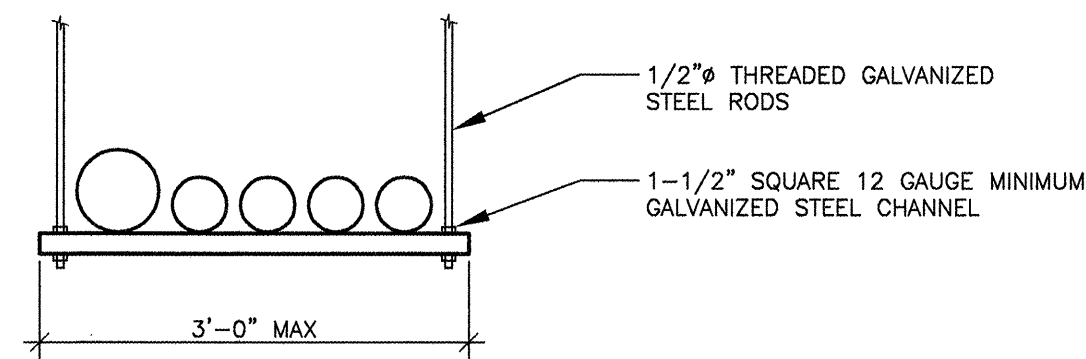
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SHEET TITLE  
**ELECTRICAL POWER FLOOR PLAN**

SHEET #  
**E2.2**

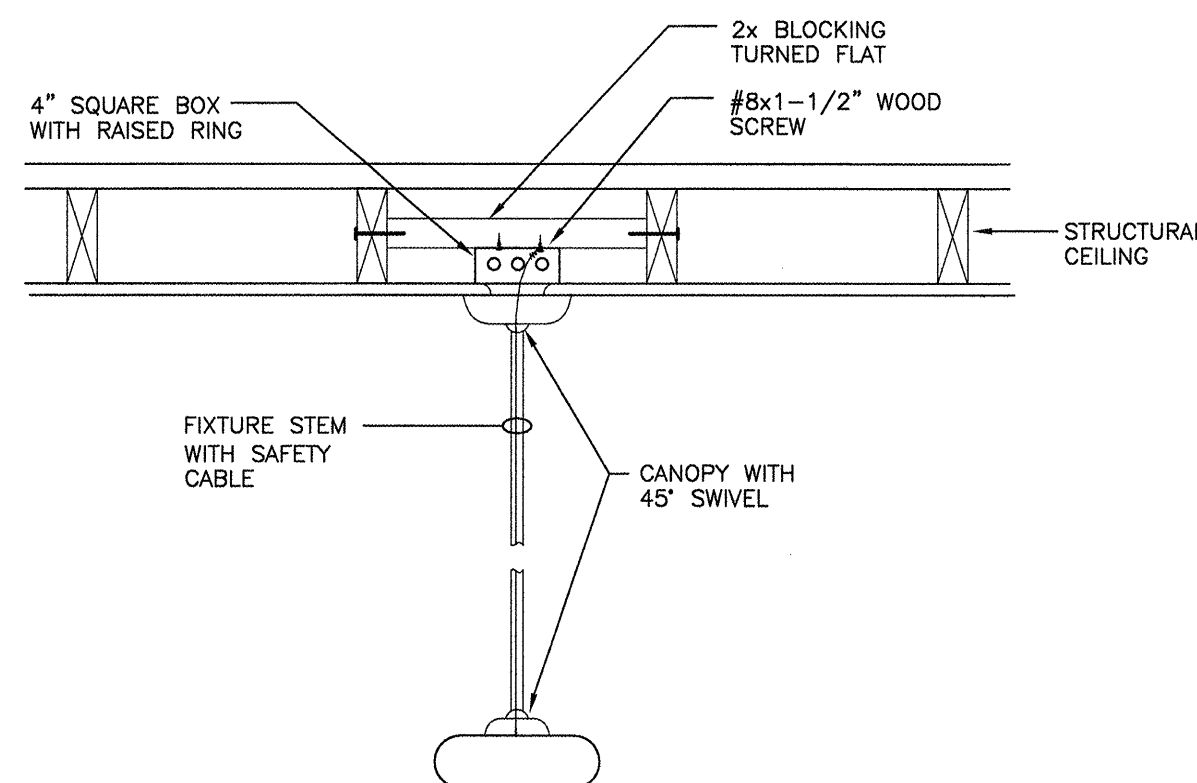




- NOTES:
1. CONTRACTOR MAY USE A CONDUIT SUSPENSION SYSTEM EQUIVALENT TO THAT WHICH IS DETAILED, HAVING THE FEATURES SHOWN AND APPROVED IN ADVANCE BY THE RESIDENT ENGINEER.
  2. PROVIDE A SAMPLE SUPPORT SYSTEM TO KEEP ON JOB SITE FOR CONSTRUCTION GUIDE PURPOSES.
  3. CONDUIT SUSPENSION SYSTEM SHALL BE INDEPENDENT OF ANY OTHER SUSPENSION SYSTEM.

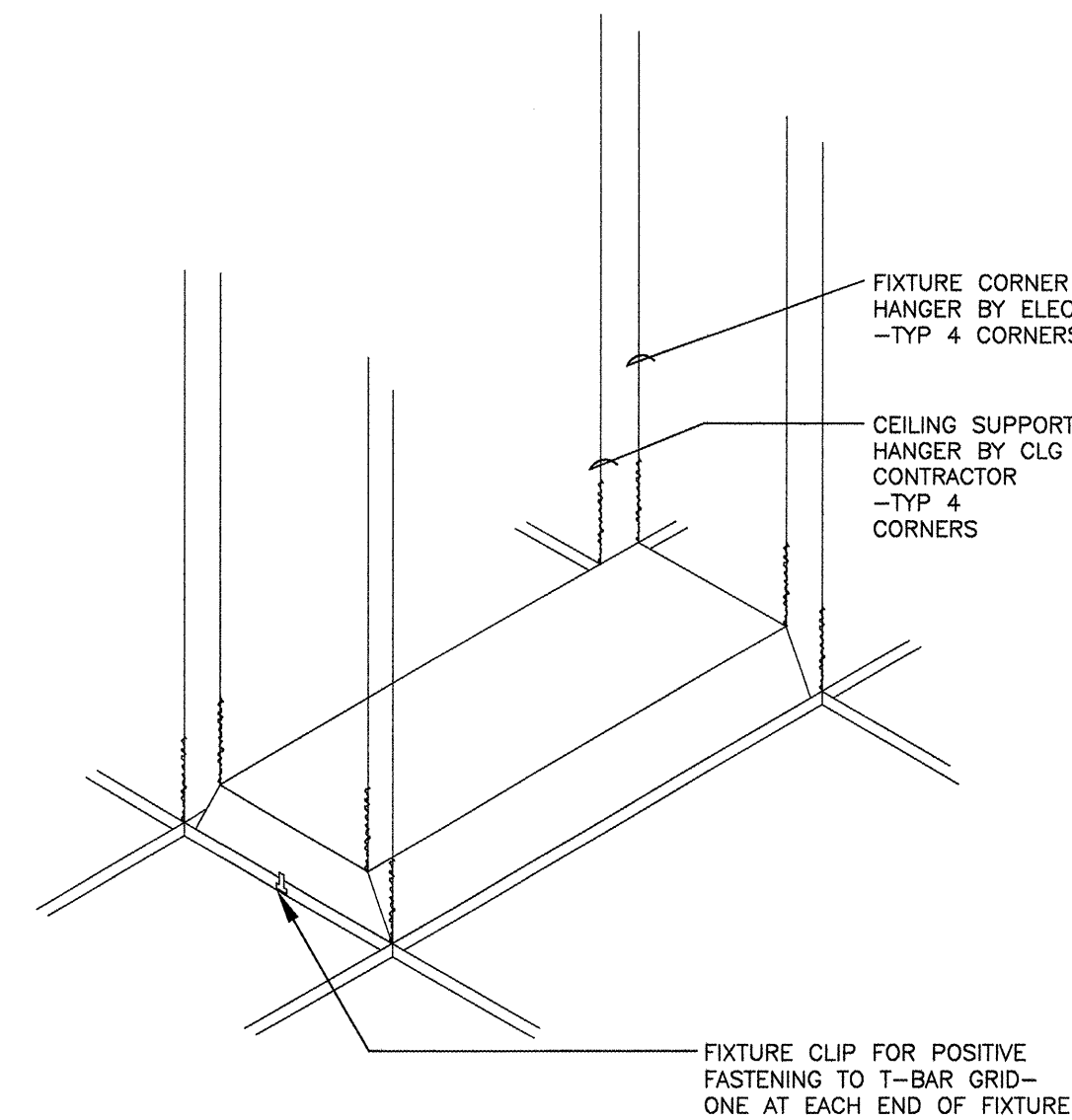
## 5 TYPICAL CONDUIT SUPPORT SYSTEM DETAIL

NTS



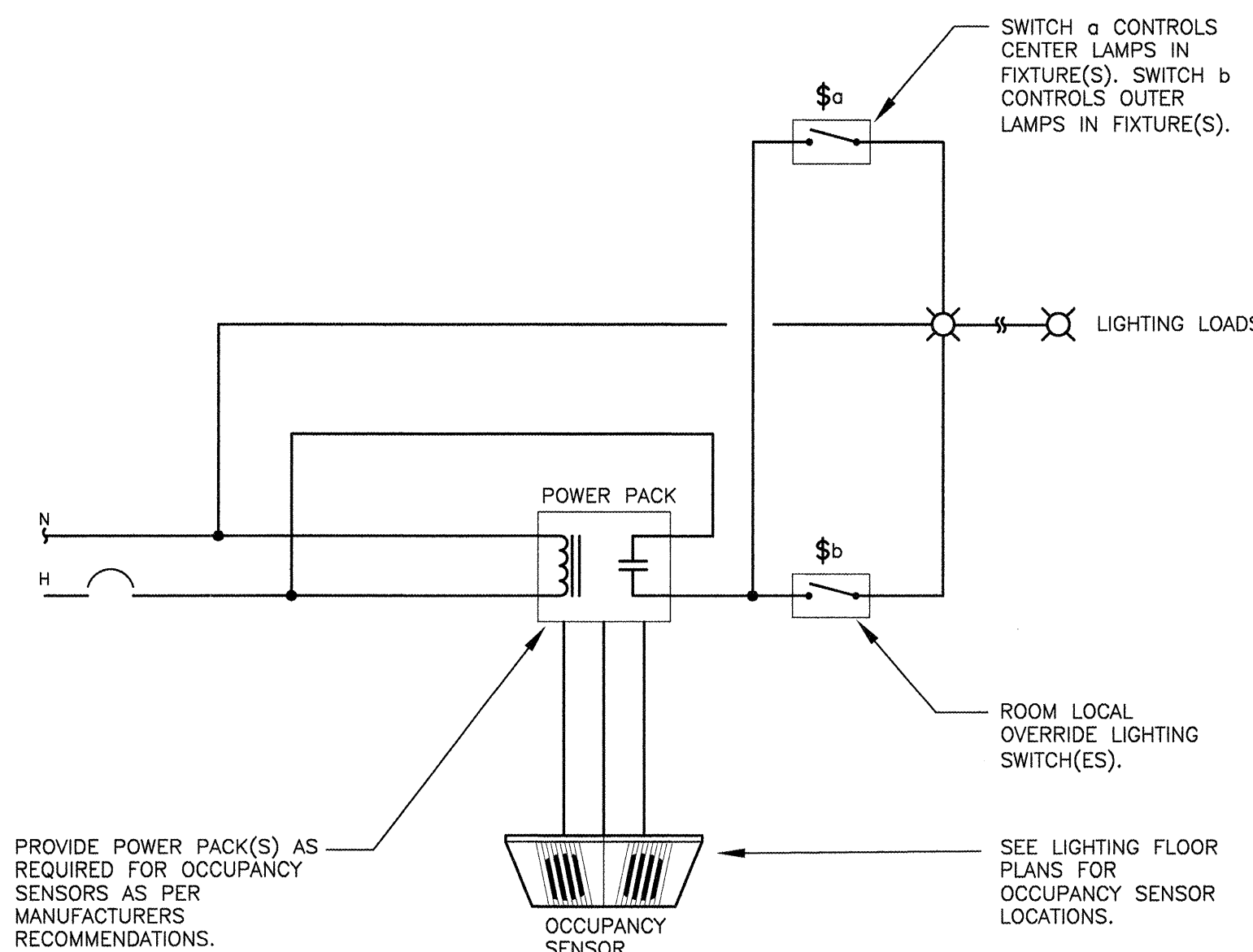
## 3 PENDANT FIXTURE SEISMIC BRACING DETAIL

NTS



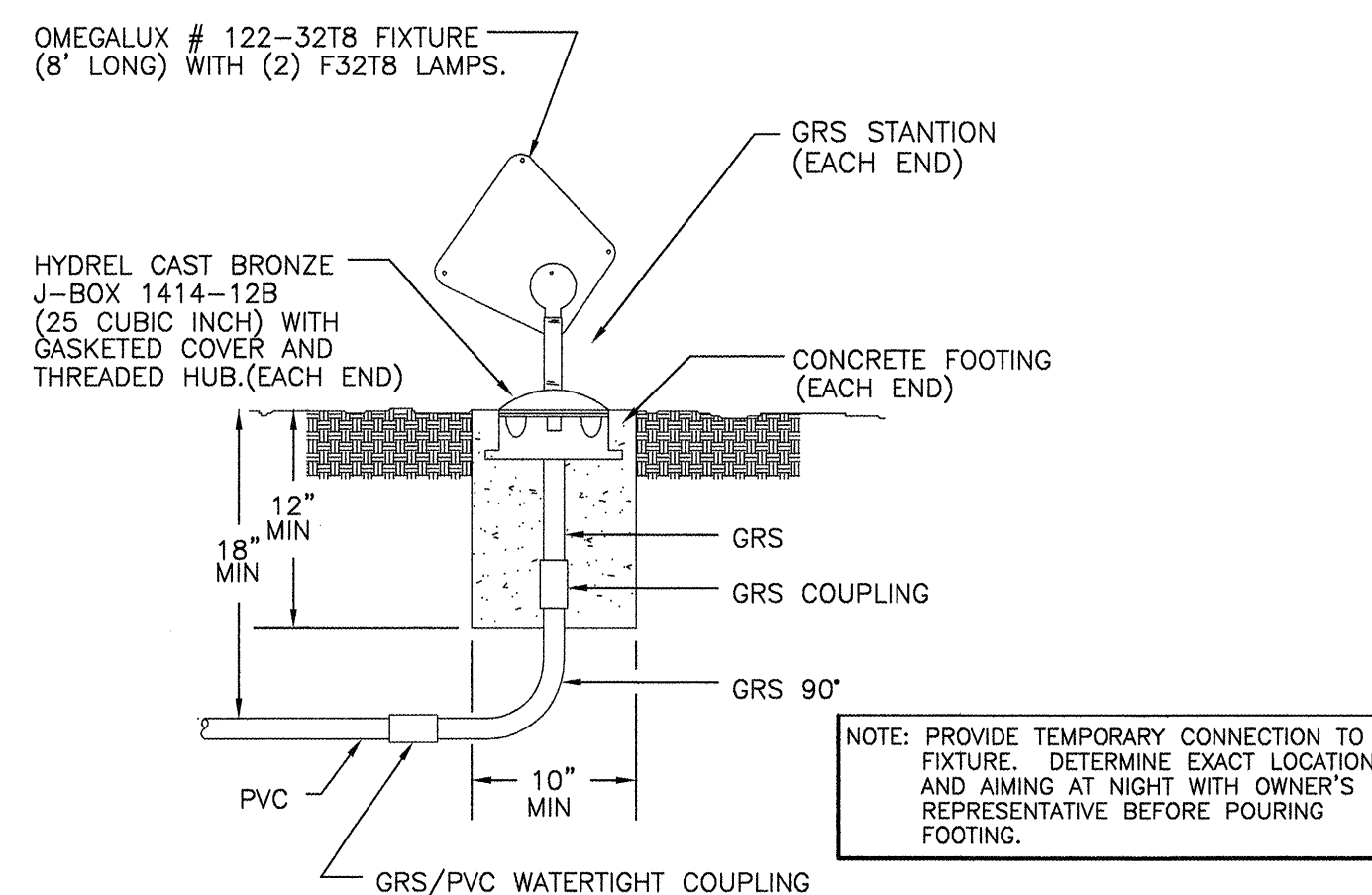
## 1 TROFFER SUPPORT

NTS



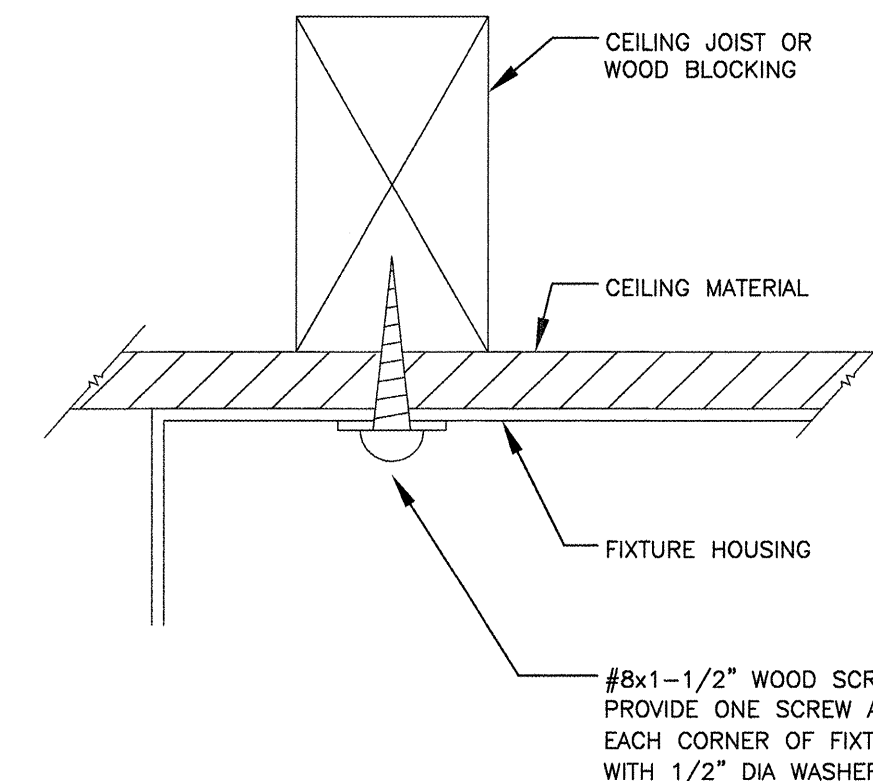
## 6 OCCUPANCY SENSOR WIRING DIAGRAM

NTS



## 4 SIGN FLOOD FIXTURE MOUNTING DETAIL

NTS



## 2 SURFACE FIXTURE MOUNTING DETAIL

NTS

PROJECT

**SUPERIOR COURT  
OF CALIFORNIA  
COUNTY OF SAN JOAQUIN**

**MANTECA BRANCH  
SITE AND BUILDING  
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SEIPLE  
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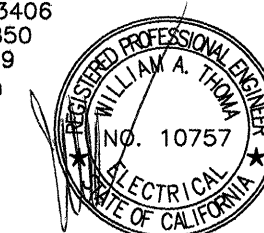
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SHEET TITLE

**ELECTRICAL  
DETAILS**

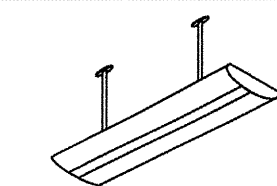
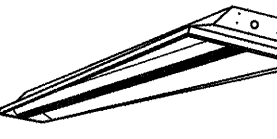
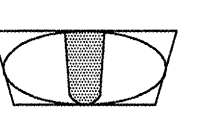
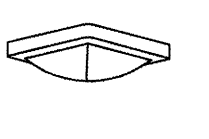


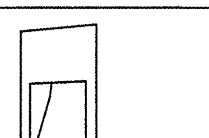
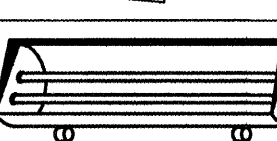

SHEET #

**E3.0**

LIGHTING FIXTURE SCHEDULE NOTES

- ILLUSTRATIONS AND/OR DIMENSIONS ARE APPROXIMATIONS ONLY INTENDED TO REPRESENT BASIC FIXTURE TYPE; DO NOT USE AS EXACT INFORMATION SOURCE. REFER TO MANUFACTURER CUT SHEETS.
- EXACT LOCATIONS: BEFORE CONSTRUCTION, VERIFY WITH ARCHITECT EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL LIGHT FIXTURES. SEE ARCHITECTURAL REFLECTED CEILING PLANS AND ELEVATIONS AS APPLICABLE.
- EMERGENCY FIXTURES: PROVIDE "EM" DESIGNATED FIXTURES (SEE PLAN) AND FIXTURES WITH "E" AS LAST CHARACTER IN TYPE DESIGNATION WITH INTEGRAL EMERGENCY POWER PACK. WHEN USED WITH 4' FLUORESCENT LAMPS, PROVIDE AS MINIMUM 1100 LUMEN OUTPUT.
- FIXTURE BRANCH CIRCUIT THROUGH-WIRING: VERIFY AND COMPLY WITH FIXTURE MANUFACTURER RESTRICTIONS AS DETERMINED BY UL. & NEC.
- FINAL PLACEMENT AND AIMING OF EXTERIOR ADJUSTABLE FLOOD OR SPOT FIXTURES SHALL BE DETERMINED AFTER DARK WITH OWNER OR ARCHITECT PRESENT. PREARRANGE TIME AND PROVIDE TEMPORARY POWER AS REQUIRED.
- PROVIDE IN-GRADE UPLIGHTS WITH SURROUNDING SLEEVE AND CRUSHED ROCK FOR PROPER WATER DRAINAGE AS RECOMMENDED BY MANUFACTURER. FIXTURES SHALL BE SEALED (HOT) PER MANUFACTURER'S REQUIREMENTS TO MINIMIZE CONDENSATE IN FIXTURE.
- ALL STRAIGHT FLUORESCENT LAMPS SHALL BE SP41 OR EQUAL.
- ALL COMPACT FLUORESCENT LAMPS SHALL BE SPX41 OR EQUAL.
- ALL FLUORESCENT BALLASTS SHALL BE ELECTRONIC.
- VERIFY CEILING TYPES/FINISHES FOR ALL RECESSED FIXTURES PRIOR TO FORWARDING SUBMITTALS.
- ALL FLAT PRISMATIC LENSES IN FLUORESCENT FIXTURES SHALL BE MINIMUM .125" THICK.
- BALLASTS AND LAMPS SHALL BE COMPATIBLE FOR THE APPLICATION IN WHICH THEY ARE BEING USED FOR THIS PROJECT. EACH BALLAST SHALL BE COMPATIBLE WITH THE CONTROL DEVICES USED FOR THIS JOB. BALLASTS NOT RECOMMENDED FOR USE WITH CONTROL DEVICES SHALL NOT BE USED AND THE APPROPRIATE BALLAST SHALL BE USED.
- FLUORESCENT LUMINAIRES THAT UTILIZE DOUBLE-ENDED LAMPS AND CONTAIN BALLAST SHALL BE PROVIDED WITH A FACTORY INSTALLED, INTERNAL, DISCONNECTING MEANS (SWITCH OR CONNECTOR), WHICH MEETS THE REQUIREMENTS OF 2007 NEC ARTICLE 410.73(G).

LIGHTING FIXTURE SCHEDULE

TYPE	ILLUSTRATION	MANUFACTURER	CATALOG NO.	VOLTAGE	MAX. VA.	LAMPING	MOUNTING	DESCRIPTION
A		AMETRIC	ARROWLINER	120	58	(2)28W T5	PENDANT	1'X4' DIRECT/INDIRECT SUSPENDED FLUORESCENT
			AC SERIES					
B		PHILLIPS	LIGHTOLIER	120	58	(2)28W T5	RECESSED GRID	1'X4' DIRECT/INDIRECT RECESSED FLUORESCENT
			HP90					
C		PHILLIPS	LIGHTOLIER	120	38	(2)14W T5	RECESSED GRID	2'X2' DIRECT/INDIRECT RECESSED FLUORESCENT
			AFTER DOME					
D		KENALL	MILLENIUM SQUARE	120	50	(1)42W CFL	SURFACE	SQUARE CEILING MOUNTED ABUSE RESISTANT FLUORESCENT
			MS11FL-DB					
E		KENALL	MIGHTY MAC	120	58	(2)28W T5	SURFACE	4' CEILING MOUNTED CORRECTIONAL FLUORESCENT
			SDSAT5					
EM		BODINE	B50 SERIES	120	-	-	IN FIXTURE WIREWAY	FLUORESCENT EMERGENCY BATTERY PACK, PROVIDE FOR 90 MINUTE OPERATION UPON LOSS OF NORMAL POWER
F		KENALL	MILLENIUM	120	120	(4)28W T5	SURFACE	8' CEILING MOUNTED ABUSE RESISTANT FLUORESCENT
			STRETCH SDSAT5					
G		BEGA	2095LED	120	10	2W LED	RECESSED	RECESSED EXTERIOR WALL FIXTURE
H		PHILLIPS	ALLSCAPE	120	40	(1)F32 T8 FLUOR.	STANCHION	GROUND MOUNTED SIGN-LIGHTER FIXTURE
			FL-18					
X		KENALL	MILLENIUM METREX	120	5	(1) 5W LED	SURFACE	CEILING OR HIGH WALL MOUNTED CORRECTIONAL EXIT LIGHT WITH EMERGENCY BATTERY PACK
			METSU					

PROJECT

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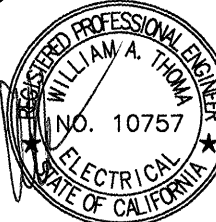
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SHEET TITLE

ELECTRICAL  
SCHEDULES

SHEET #

E4.0

SEE NOTE	200A, 120/208V, 3Ø, 4W 24 EXIST. CB SPACES EXIST. WESCO NQB TYPE PANEL	(E) PANEL <b>P</b>	SURFACE MOUNT, NEMA 1 LOCATION: MECHANICAL ROOM WITH EQUIP'T GND BUS	SEE NOTE						
CKT #	DESCRIPTION	AMP # CB POLE	WIRE SIZE	PHASE A VA	PHASE B VA	PHASE C VA	WIRE SIZE	AMP # CB POLE	DESCRIPTION	CKT #
1	EXISTING BRANCH CIRCUITS	20 1	(E)				(E)	20 1	EXISTING BRANCH CIRCUIT	2
3	EXISTING BRANCH CIRCUITS	20 1	(E)				(E)	20 1	EXISTING BRANCH CIRCUIT	4
5	EXISTING BRANCH CIRCUITS	20 1	(E)					20 1	EXISTING BRANCH CIRCUIT	6
7	SPACE			360			12	20 1	SECURE HALLWAY RECEPTACLES	8
9	EXISTING BRANCH CIRCUITS	20 1	(E)				(E)	20 1	EXISTING BRANCH CIRCUIT	10
11	SPACE						(E)		SPACE	12
13	SPACE						(E)		SPACE	14
15	EXISTING BRANCH CIRCUITS	20 1	(E)				(E)	20 1	EXISTING BRANCH CIRCUIT	16
17	SPACE						(E)		SPACE	18
19	EXISTING BRANCH CIRCUITS	20 1	(E)				(E)	20 1	EXISTING BRANCH CIRCUIT	20
21	SPACE						(E)		SPACE	22
23	SPACE						(E)		SPACE	24
25										26
27										28
29										30
31										32
33										34
35										36
37										38
39										40
41										42
CONNECTED LOAD (VA) =				0	0	0				
25% OF CONTINUOUS LOAD =				0	0	0				
TOTAL (VA) =				0	0	0				
TOTAL ÷ 120 VOLT =				0 A	0 A	0 A				

SEE NOTE	225A, 120/208V, 3Ø, 4W		(E) PANEL <div>L2</div>			SURFACE MOUNT, NEMA 1		SEE NOTE		
	42 EXIST. CB SPACES					LOCATION: MECHANICAL ROOM				
	EXIST. WESCO NQB TYPE					WITH EQUIPT GND BUS				
	PANEL									
CKT	DESCRIPTION	AMP CB # POLE	WIRE SIZE	PHASE A VA	PHASE B VA	PHASE C VA	WIRE SIZE	AMP CB # POLE	DESCRIPTION	CKT
1	EXISTING BRANCH CIRCUITS	20 1	(E)				(E)	20 1	EXISTING BRANCH CIRCUIT	2
3	EXISTING BRANCH CIRCUITS	20 1	(E)				(E)	20 1	EXISTING BRANCH CIRCUIT	4
5	EXISTING BRANCH CIRCUITS	20 1	(E)				(E)	20 1	EXISTING BRANCH CIRCUIT	6
7	EXISTING BRANCH CIRCUITS	20 1	(E)				(E)	20 1	EXISTING BRANCH CIRCUIT	8
9	EXISTING BRANCH CIRCUITS	20 1	(E)				(E)	20 1	EXISTING BRANCH CIRCUIT	10
11	EXISTING BRANCH CIRCUITS	20 1	(E)				(E)	20 1	EXISTING BRANCH CIRCUIT	12
13	EXISTING BRANCH CIRCUITS	20 1	(E)				(E)	20 1	EXISTING BRANCH CIRCUIT	14
15	EXISTING BRANCH CIRCUITS	20 1	(E)				(E)	20 1	EXISTING BRANCH CIRCUIT	16
17	EXISTING BRANCH CIRCUITS	20 1	(E)				(E)	20 1	EXISTING BRANCH CIRCUIT	18
19	EXISTING BRANCH CIRCUITS	20 1	(E)				(E)	20 1	EXISTING BRANCH CIRCUIT	20
1.2	21	CELL / SECURE HALLWAY LIGHTING	20 1	12		654	(E)	40 1	EXISTING BRANCH CIRCUIT	22
	23	EXISTING BRANCH CIRCUITS	20 1	(E)			(E)	20 1	EXISTING BRANCH CIRCUIT	24
	25	SPACE					(E)	3 1	EXISTING BRANCH CIRCUIT	26
	27	EXISTING BRANCH CIRCUITS	20 1	(E)			(E)	20 1	EXISTING BRANCH CIRCUIT	28
	29	EXISTING BRANCH CIRCUITS	20 1	(E)			(E)	20 1	EXISTING BRANCH CIRCUIT	30
	31	EXISTING BRANCH CIRCUITS	20 1	(E)					SPACE	32
	33	SPACE							SPACE	34
	35	SPACE							SPACE	36
37	SPACE							SPACE	38	
39	SPACE							SPACE	40	
41	SPACE							SPACE	42	
CONNECTED LOAD (VA) =				0	0	0				
25% OF CONTINUOUS LOAD =				0	0	0				
TOTAL (VA) =				0	0	0				
TOTAL ÷ 120 VOLT =				0 A	0 A	0 A				

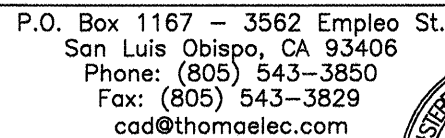
SEE NOTE	225A, 120/208V, 3Ø, 4W	(E) PANEL	FLUSH MOUNT, NEMA 1			SEE NOTE				
	42 EXIST. CB SPACES		LOCATION: STORAGE ROOM							
	EXIST. WESCO NQB TYPE		WITH EQUIP'T GND BUS							
	PANEL									
CKT #	DESCRIPTION	AMP / CB # POLE	WIRE SIZE	PHASE A VA	PHASE B VA	PHASE C VA	WIRE SIZE	AMP / CB # POLE	DESCRIPTION	CKT #
1	EXISTING BRANCH CIRCUITS	20 / 1	(E)				(E)	20 / 1	EXISTING BRANCH CIRCUIT	2
3	EXISTING BRANCH CIRCUITS	20 / 1	(E)				(E)	20 / 1	EXISTING BRANCH CIRCUIT	4
5	EXISTING BRANCH CIRCUITS	20 / 1	(E)						SPACE	6
7	EXISTING BRANCH CIRCUITS	20 / 1	(E)				(E)	20 / 1	EXISTING BRANCH CIRCUIT	8
9	EXISTING BRANCH CIRCUITS	20 / 1	(E)				(E)	20 / 1	EXISTING BRANCH CIRCUIT	10
11	EXISTING BRANCH CIRCUITS	20 / 1	(E)				(E)	20 / 1	EXISTING BRANCH CIRCUIT	12
13	EXISTING BRANCH CIRCUITS	20 / 1	(E)				(E)	20 / 1	EXISTING BRANCH CIRCUIT	14
15	EXISTING BRANCH CIRCUITS	20 / 1	(E)				(E)	20 / 1	EXISTING BRANCH CIRCUIT	16
17	EXISTING BRANCH CIRCUITS	20 / 1	(E)				(E)	20 / 1	EXISTING BRANCH CIRCUIT	18
19	EXISTING BRANCH CIRCUITS	20 / 1	(E)				(E)	20 / 1	EXISTING BRANCH CIRCUIT	20
21	EXISTING BRANCH CIRCUITS	20 / 1	(E)				(E)	20 / 1	EXISTING BRANCH CIRCUIT	22
23	EXISTING BRANCH CIRCUITS	20 / 1	(E)				(E)	20 / 1	EXISTING BRANCH CIRCUIT	24
25	EXISTING BRANCH CIRCUITS	20 / 1	(E)				(E)	20 / 1	EXISTING BRANCH CIRCUIT	26
27	EXISTING BRANCH CIRCUITS	20 / 1	(E)				(E)	20 / 1	EXISTING BRANCH CIRCUIT	28
29	EXISTING BRANCH CIRCUITS	20 / 1	(E)				(E)	20 / 1	EXISTING BRANCH CIRCUIT	30
31	EXISTING BRANCH CIRCUITS	20 / 1	(E)				(E)	20 / 1	EXISTING BRANCH CIRCUIT	32
33	EXISTING BRANCH CIRCUITS	20 / 1	(E)				(E)	20 / 1	EXISTING BRANCH CIRCUIT	34
35	EXISTING BRANCH CIRCUITS	20 / 1	(E)				(E)	20 / 1	EXISTING BRANCH CIRCUIT	36
37	EXISTING BRANCH CIRCUITS	20 / 1	(E)				(E)	2 / 2	EXISTING A/C UNIT	38
39	EXISTING BRANCH CIRCUITS	20 / 1	(E)				(E)	20 / 2	EXISTING HAND DRYER	40
41	EXISTING BRANCH CIRCUITS	20 / 1	(E)				(E)	2 / 2		42
CONNECTED LOAD (VA) =				0	0	0				
25% OF CONTINUOUS LOAD =				0	0	0				
TOTAL (VA) =				0	0	0				
TOTAL ÷ 120 VOLT =				0 A	0 A	0 A				



## PHASE 1

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The use of these plans and specifications shall be restricted to the original site for which they were prepared and publication thereof is expressly limited to such use. Reproduction or publication by any method, in whole or in part, is prohibited. Title to these plans and specifications remain with the architect without prejudice. Visual contact with these plans and specifications shall constitute prima facie evidence of the acceptance of these restrictions.

Written dimensions on these drawings shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and existing conditions on the job and shall report any discrepancies to the architect for resolution prior to commencing work.

# INTERIOR TITLE 24 COMPLIANCE FORMS

# E5.0

LIGHTING MANDATORY MEASURES: NONRESIDENTIAL		LTG-MM
Project Name <b>SAN JOAQUIN CO. SUPERIOR COURT</b>	Date <b>3/28/2011</b>	
<b>Indoor Lighting Measures:</b>		
<b>[§19](d) Shut-off Controls</b>	<p>For every floor, all interior lighting systems shall be equipped with a separate automatic control to shut off the lighting. This automatic control shall meet the requirements of Section 1.19 and may be an occupancy sensor, automatic time switch, or other device capable of automatically shutting off the lighting.</p> <p>Override for Building Lighting Shut-off: The automatic building shut-off system is provided with a manual, accessible override switch in sight of the lights. The area of override is not to exceed 5,000 square feet.</p> <p>Automatic Control Devices Certified: All automatic control devices specified are certified, all alternate equipment shall be certified and installed as directed by the manufacturer.</p>	
<b>[§19](f) Fluorescent Ballast and Luminaires Certified.</b>	All fluorescent fixtures specified for the project are certified and listed in the Directory. All installed fixtures shall be certified.	
<b>[§19](f): Individual Room/Area Controls:</b>	Each room and area in this building is equipped with a separate switch or occupancy sensor device for each area with access to ceiling walls.	
<b>[§19](b): Uniform Reduction for Individual Rooms:</b>	All rooms and areas greater than 100 square feet and more than 0.8 watts per square foot of lighting load shall be controlled with bi-level switching for uniform reduction of lighting within the room.	
<b>[§19](c): Daylight Area Control:</b>	All rooms with windows and skylights that are greater than 250 square feet and that allow for the effective use of daylight in the area shall have 50% of the lamps in each daylight area controlled by a separate switch, or the effective use of daylight cannot be accomplished because the windows are continuously shaded by a building on the adjacent lot. Diagram of shading during different times of the year is included on plans.	
<b>[§19](e): Display Lighting:</b>	Display lighting shall be separately switched on circuits that are 20 amps or less 6.	
<b>Outdoor Lighting Measures:</b>		
<b>[§19](c):</b>	Mandatory lighting power determination for medium base sockets without permanently installed ballasts	
<b>[§12(a):]</b>	All permanently installed luminaires with lamp rated over 100 Watts either have a lamp efficacy of at least 60 lumens per Watt or are controlled by a motion sensor.	
<b>[§12(b):]</b>	All luminaires with lamps rated greater than 175 Watts in hardscape area, including parking lots, building entrances, canopies, and all outdoor sales areas meet the Control Requirements.	
<b>[§12](c):]</b>	All permanently installed outdoor lighting meets the control requirements listed.	
<b>[§12](c):]</b>	Building facades, parking lots, garages, canopies, and outdoor sales areas meet the Multi-Level Lighting Requirements listed.	

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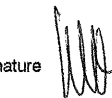
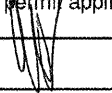
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<b>CERTIFICATE OF COMPLIANCE</b>				(Part 4 of 4)	<b>LTG-1C</b>
Project Name <b>SAN JOAQUIN CO. SUPERIOR COURT</b>				Date <b>3/28/2011</b>	
<b>CONDITIONED AND UNCONDITIONED SPACE LIGHTING MUST NOT BE COMBINED FOR COMPLIANCE</b>					
Indoor Lighting Power for Conditioned Spaces			Indoor Lighting Power for Unconditioned Spaces		
			Watts	Watts	
Installed Lighting (from Conditioned LTG-1C, Page 2)			2,200	Installed Lighting (from Unconditioned LTG-1C, Page 2)	
Lighting Control Credit (Conditioned Spaces from LTG-2C)			0	Lighting Control Credit (Unconditioned Spaces from LTG-2C)	
Adjusted Installed Lighting Power =			2,200	Adjusted Installed Lighting Power =	
Complies if <b>Installed ≤ Allowed</b>			↓	Complies if <b>Installed ≤ Allowed</b>	
Allowed Lighting Power (from LTG-3C or PERP-1)			2,246	Allowed Lighting Power (from LTG-3C)	
			↑		
<b>Required Acceptance Tests</b>					
<b>Designer:</b> This form must be used by the designer and attached to the plans. Listed below is the acceptance test for the Lighting system <b>LTG-2A and LTG-3A</b> . The designer is required to check the acceptance tests and list all existing controls serving the building or space shall be certified as meeting the Acceptance Requirements for Code Compliance. If all the lighting system or control of a certain type requires a test, list the different lighting and the number of systems. The NAB Section in the Appendix of the Nonresidential Reference Appendices Manual describes the test. Since this form will be part of the plans, completion of this section will allow the responsible party to budget for the scope of work appropriately. <b>Forms can be grouped by type of Luminaire controlled.</b>					
<b>Systems Acceptance:</b> Before Occupancy Permit is granted for a newly constructed building or space or when ever new lighting system with controls is installed in the building or space shall be certified as meeting the Acceptance Requirements. The <b>LTG-2A and LTG-3A</b> forms are not considered complete forms and are not to be accepted by the enforcement agency unless the boxes are checked and/or filled and signed. In addition, a Certificate of Acceptance forms shall be submitted to the enforcement agency that certifies plans, specifications, installation certificates, and operating and maintenance information meet the requirements of LTG-2(a) and LTG-3(a). The field inspector must receive the properly filled out and signed forms before the building can receive final approval. A copy of the <b>LTG-2A and LTG-3A</b> for each different lighting luminaire control(s) must be provided to the owner of the building for their records.					
<b>Controls for Credits</b>				<b>LTG-2A and LTG-3A</b>	
Equipment Requiring Testing	Description	Number of Luminaires controls	Location	Controls and Sensors and Automatic Distinguishing Controls Acceptance	
				<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
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CERTIFICATE OF COMPLIANCE		(Part 1 of 4)	OLTG-TC
Project Name <b>SAN JOAQUIN CO. SUPERIOR COURT</b>		Date <b>3/28/2011</b>	
Project Address <b>315 E. Cantor St. Manteca, CA 95336</b>		Total Illuminated Area <b>0</b>	
GENERAL INFORMATION			
<input checked="" type="checkbox"/> New Construction <input type="checkbox"/> New Construction <input type="checkbox"/> Addition <input type="checkbox"/> Alteration			
<b>Documentation Author's Declaration Statement</b> I certify that this Certificate of Compliance documentation is accurate and complete.			Signature 
Name William Thoma			
Company Thoma Electric, Inc			Date 3/28/2011
Address 3562 Empire Street			CEA # CEPE #
City/State/Zip San Luis Obispo, CA 93401			Phone 805-543-3830
Principal Lighting Designer's Declaration Statement			
I am eligible under Division 3 of the California Business and Professional Code to accept responsibility for the lighting design. This Certificate of Compliance identifies the lighting features and performance specifications required for the design with Title 24, Pages 1 and 6 of the California Code of Regulations. The design features represented on this Certificate of Compliance are consistent with the information provided to document this design on the other applicable compliance forms, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.			
Name William Thoma			Signature 
Company Thoma Electric, Inc			Phone 805-543-3830
Address 3562 Empire St			License # 10757
City/State/Zip San Luis Obispo, CA 93401			Date 5/5/2011
Principal Lighting Designer's Declaration			
<input checked="" type="checkbox"/> I certify that this Certificate of Compliance documentation is accurate and complete, and accounts for all outdoor lighting power, including building mounted, pole mounted, as well as all other lighting designed for the site, and that Additional Lighting Power Allowances for Specific Applications or Additional Lighting Power Allowances for Ordinance Requirements have not been counted more than one time for the same area, in accordance with Section 147 of the Standards.			
<b>Outdoor Lighting Mandatory Measures</b> <b>Indicate location on building plans of Mandatory Measures Note Block: E5.0</b>			
LIGHTING COMPLIANCE FORMS & WORKSHEETS (check box if worksheets is included)			
For detailed instructions on the use of this and all Energy Efficiency Standards compliance forms, please refer to the Nonresidential Manual published by the California Energy Commission.			
<input checked="" type="checkbox"/>	OLTG-1C	Certificate of Compliance, All 4 pages required on plans for all submissions.	
<input type="checkbox"/>	OLTG-2C	Pages 1 of 3) Lighting Wattage Allowance for General Hazardous, Sales Promotions, or Ornamental Lighting. Optional on plans.	
<input type="checkbox"/>	OLTG-2C	Pages 2 of 3) Lighting Wattage Allowance for Per Application or Per Area. Optional on plans.	
<input type="checkbox"/>	OLTG-2C	Pages 3 of 3) Additional Lighting Power Allowance for Ordinance Requirements. Optional on plans.	
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