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

1. 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

2. 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.
3. THE DESIGN PRECLUDES THE USE OR STORAGE OF HAZARDOUS MATERIALS IN EXCESS OF THE QUANTITIES LISTED IN UBC TABLE 3D AND 3E.
4. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER DRAWING SCALE OR PROPORTION.
5. 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.
6. 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.
7. 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.
8. 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.
9. 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,
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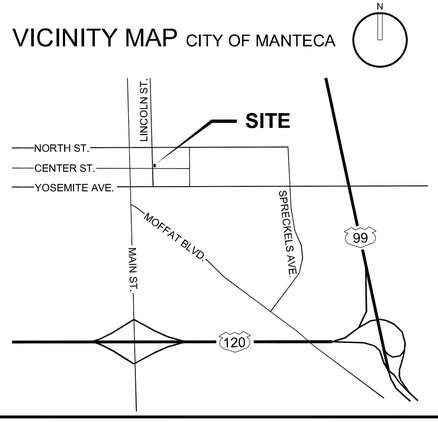
kwcrowe@charter.net

PROJECT DATA

SEE SHEET T.5 FOR BUILDING ANALYSIS DATA. SEE SHEET T.1 FOR DEFERRED APPOVAL 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



SHEET INDEX

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 BDF

DRAWN BY DL

DATES 05/05/11

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

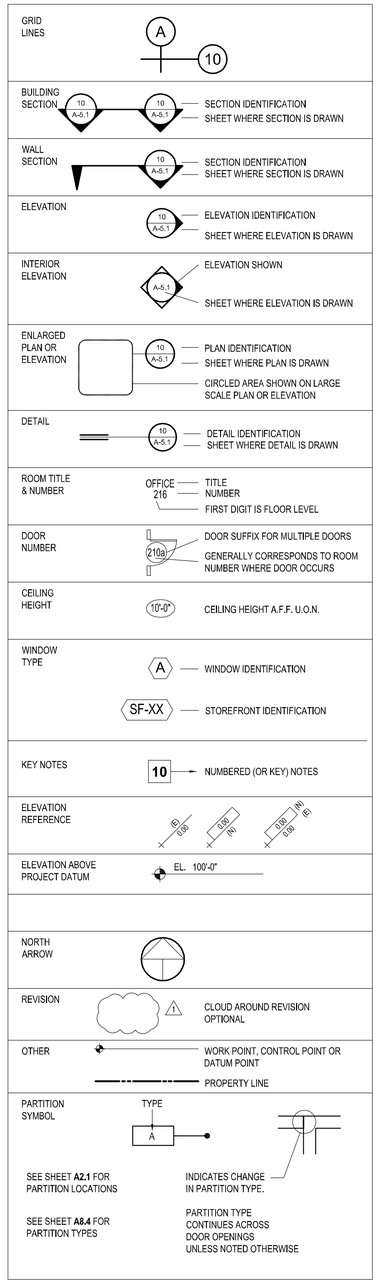
SHEET TITLE
TITLE SHEET

SHEET #
T.0

ABBREVIATIONS

#	POUND OR NUMBER
&	AND
A.	AIR
A.B.	ANCHOR BOLT
A.D.	AREA DRAIN
A/C	AIR CONDITIONING
A.C.T.	ACOUSTICAL CEILING TILE
A.F.C.	ABOVE FINISHED COUNTER
A.F.F.	ABOVE FINISHED FLOOR
A.F.G.	ABOVE FINISHED GRADE
A.F.S.	ABOVE FINISHED SLAB
ACOUS.	ACOUSTIC
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
A/V	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
BITUM.	BITUMINOUS
BKG.	BACKING
BLDG.	BUILDING
BLK.	BLOCK
BLKG.	BLOCKING
BLST.	BALLAST
BM.	BEAM
BRCG.	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
CIRC.	CIRCULAR
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.T.	DRAPERY 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
E.	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 OR EXPOSED STRUCTURE
E.W.C.	ELECTRICAL WATER COOLER
EA.	EACH
EL.	ELEVATION
ELAST.	ELASTOMERIC
ELEC.	ELECTRICAL
ELEV.	ELEVATOR OR ELEVATION
EMER.	EMERGENCY
ENCL.	ENCLOSURE
ENGR.	ENGINEER
ENTR.	ENTRANCE
EQ.	EQUAL
EQUIP.	EQUIPMENT
EXP.	EXPANSION
EXP. BT.	EXPANSION BOLT
EXT.	EXTERIOR
F.A.	FIRE ALARM
F.A.A.P.	FIRE ALARM ANNUNCIATOR PANEL
F.D.	FLOOR DRAIN
F.D.C.	FIRE DEPARTMENT CONNECTION
F.E.	FIRE EXTINGUISHER
F.E.C.	FIRE EXTINGUISHER CABINET
F.F.	FINISH FLOOR
F.H.C.	FIRE HOSE CABINET
FIN.	FINISH
FIXT.	FIXTURE
FLR.	FLOOR
FLASH.	FLASHING
FLEX.	FLEXIBLE
FLUOR.	FLUORESCENT
F.O.	FACE OF
F.O.C.	FACE OF CONCRETE
F.O.F.	FACE OF FINISH
F.O.S.	FACE OF STUD
F.T.	FIRE TREATED
FP.	FIREPROOFING
FT.	FOOT/FEET
FTG.	FOOTING
FURR.	FURRING
FUT.	FUTURE
G.B.	GRAB BAR
G.F.R.C.	GLASS FIBER REINFORCED CONCRETE
G.F.R.G.	GLASS FIBER REINFORCED GYPSUM
G.F.R.P.	GLASS FIBER REINFORCED PLASTER
G.M.U.	GLASS MASONRY UNIT
GA.	GAUGE
GALV.	GALVANIZED
GL.	GLASS
GLU. LAM.	GLUED LAMINATED WOOD
GND.	GROUND
GR.	GRADE
GROM	GROMMET
GYP.	GYPSUM
G.W.B.	GYPSUM BOARD
H.	HIGH
H.B.	HOSE BIBB
H.M.	HOLLOW METAL
H.P.	HIGH POINT
H.V.A.C.	HEATING VENTILATION AND AIR CONDITIONING
H.W.	HOT WATER
HC.	HANDICAPPED ACCESSIBLE
HDW.	HARDWARE
HDWD.	HARDWOOD
HNDRL.	HANDRAIL
HORIZ.	HORIZONTAL
HR.	HOUR
HT.	HEIGHT
I.D.	INSIDE DIAMETER
IN.	INCH
INSUL.	INSULATION
INT.	INTERIOR
INV.	INVERT
J.C.	JANITOR CLOSET
JT.	JOINT
K.B.	KNEE BRACE
K.P.	KICK PLATE
KIT.	KITCHEN
L	ANGLE
L.	LONG
L.L.	LEAD LINED
LAM.	LAMINATED
LAM. GL.	LAMINATED GLASS
LAUN.	LAUNDRY
LAV.	LAVATORY
LKR.	LOCKER
LN.	LINOLEUM
L.PT.	LOW POINT
LS. PLAS.	LIMESTONE PLASTER
LT.	LIGHT
LVR.	LOUVER
M.D.F.	MEDIUM DENSITY FIBERBOARD
M.D.O.	MEDIUM DENSITY OVERLAY
M.O.	MASONRY OPENING
MACH.	MACHINE
MATL.	MATERIAL
MAX.	MAXIMUM
MECH.	MECHANICAL
MEMB.	MEMBRANE
MET.	METAL
MFR.	MANUFACTURER
MH.	MANHOLE
MIN.	MINIMUM
MIRR.	MIRROR
MISC.	MISCELLANEOUS
MKR. BD.	MARKER BOARD
MTD.	MOUNTED
MULL.	MULLION
(N)	NEW
N.	NORTH
N.I.C.	NOT IN CONTRACT
N.T.S.	NOT TO SCALE
NO.	NUMBER
NOM.	NOMINAL
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
O.F.C.I.	OWNER FURNISHED, CONTRACTOR INSTALLED
O.F.O.I.	OWNER FURNISHED, OWNER INSTALLED
OFD.	OVERFLOW DRAIN
OFF.	OFFICE
OPP.	OPPOSITE
O.H.	OPPOSITE HAND
OPNG.	OPENING
P.C.D.	PAPER CUP DISPENSER
P.L.	PROPERTY LINE
P.LAM.	PLASTIC LAMINATE
P.T.D.	PAPER TOWEL DISPENSER
P.T.D.R.	PAPER TOWEL DISPENSER AND RECEPTACLE
P.T.R.	PAPER TOWEL RECEPTACLE
P.V.C	POLYVINYL CHLORIDE
PAV.	PAVING
PL.	PLATE
PLAS.	PLASTER
PLBG.	PLUMBING
PLYWD.	PLYWOOD
PNL	PANEL
POL.	POLISHED
PR.	PAIR
PRCST.	PRECAST
PROJ.	PROJECTION
PT.	PAINT
PTN.	PARTITION
Q.T.	QUARRY TILE
QTY.	QUANTITY
R.	RISER OR RADIUS
R.B.	RUBBER BASE
R.C.P.	REFLECTED CEILING PLAN
R.D.	ROOF DRAIN
R.H.	ROBE HOOK
R.O.	ROUGH OPENING
R.W.L.	RAIN WATER LEADER
RECT.	RECTANGULAR
REF.	REFERENCE OR REFRIGERATOR
REINF.	REINFORCING OR REINFORCED
REQD.	REQUIRED
RESIL.	RESILIENT
RM.	ROOM
RND.	ROUND
RUB.	RUBBER
S.	SOUTH
S.C.R.	SHOWER CURTAIN ROD
S.D.	SOAP DISPENSER
S.F.	SQUARE FEET
S.R.	SHEET RUBBER
S.N.D.	SAN. NAPKIN DISPENSER
S.S.D.	SEE STRUCTURAL DRAWING
S.SK.	SERVICE SINK
S.ST.	STAINLESS STEEL
S.V.	SHEET VINYL
SCHED.	SCHEDULE OR SCHEDULED
SECT.	SECTION
SECUR.	SECURITY
SHR.	SHOWER
SHT.	SHEET
SHTHG.	SHEATHING
SIM.	SIMILAR
SLD.	SOLID
SPEC.	SPECIFICATION
SPKR.	SPEAKER
SPKLR.	SPRINKLER
SQ.	SQUARE
STA.	STATION
STD.	STANDARD
STL.	STEEL
STR.	STORAGE
STN.	STONE
STRL.	STRUCTURAL
STRUCT.	STRUCTURE
S.T.S.	SELF-TAPPING SCREW
SUSP.	SUSPENDED
SYM.	SYMMETRICAL
T.	TREAD
T.&G.	TONGUE AND GROOVE
T.B.	TOWEL BAR/TIE BACK
T.C.	TOP OF CURB
T.O.	TOP OF
T.O.B.	TOP OF BEAM
T.O.C	TOP OF CONCRETE
T.O.P	TOP OF PARAPET
T.P.	TOP OF PAVEMENT
T.P.D.	TOILET PAPER DISPENSER
T.V.	TELEVISION
T.O.W.	TOP OF WALL
T.S.	TUBE STEEL
TEL.	TELEPHONE
TER.	TERRAZZO
THK.	THICK
THRES.	THRESHOLD
TKBD.	TACKBOARD
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
U.O.N.	UNLESS OTHERWISE NOTED
UR.	URINAL
V.B.	VAPOR BARRIER
V.C.T.	VINYL COMPOSITION TILE
V.G.	VERTICAL GRAIN
V.I.F.	VERIFY IN FIELD
V.PLAS.	VENEER PLASTER
VAC.	VACUUM
VENT.	VENTILATION
VERT.	VERTICAL
VEST.	VESTIBULE
W.	WEST OR WIDE
W/	WITH
W.B.	WALL BUMPER
W.C.	WATER CLOSET
W.G.	WALL GUARD
W.O.	WHERE OCCURS
W.W.M.	WELDED WIRE MESH
WD.	WOOD
WP.	WATERPROOF OR WATERPROOFING
WSCT.	WAINSCOT
WT.	WEIGHT
X	TIMES OR BY (2x4)
YD.	YARD

ARCHITECTURAL SYMBOLS



FIRE SAFETY REQUIREMENTS

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.

DEFERRED APPROVAL ITEMS

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 APPROVE 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 SPRINKLER, MECHANICAL, ELECTRICAL, AND PLUMBING. 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

REQUIRED SPECIAL INSPECTIONS

REFER TO SHEET S1.2 FOR SPECIAL INSPECTION REQUIREMENTS

PROJECT

SUPERIOR COURT OF CALIFORNIA
COUNTY OF SAN JOAQUIN

MANTECA BRANCH SITE AND BUILDING IMPROVEMENTS

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CLIENT JOB # ARCHITECT JOB # 1007

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PROJECT MANAGER BDF

DRAWN BY DL

DATES 05/05/11

SIGNED

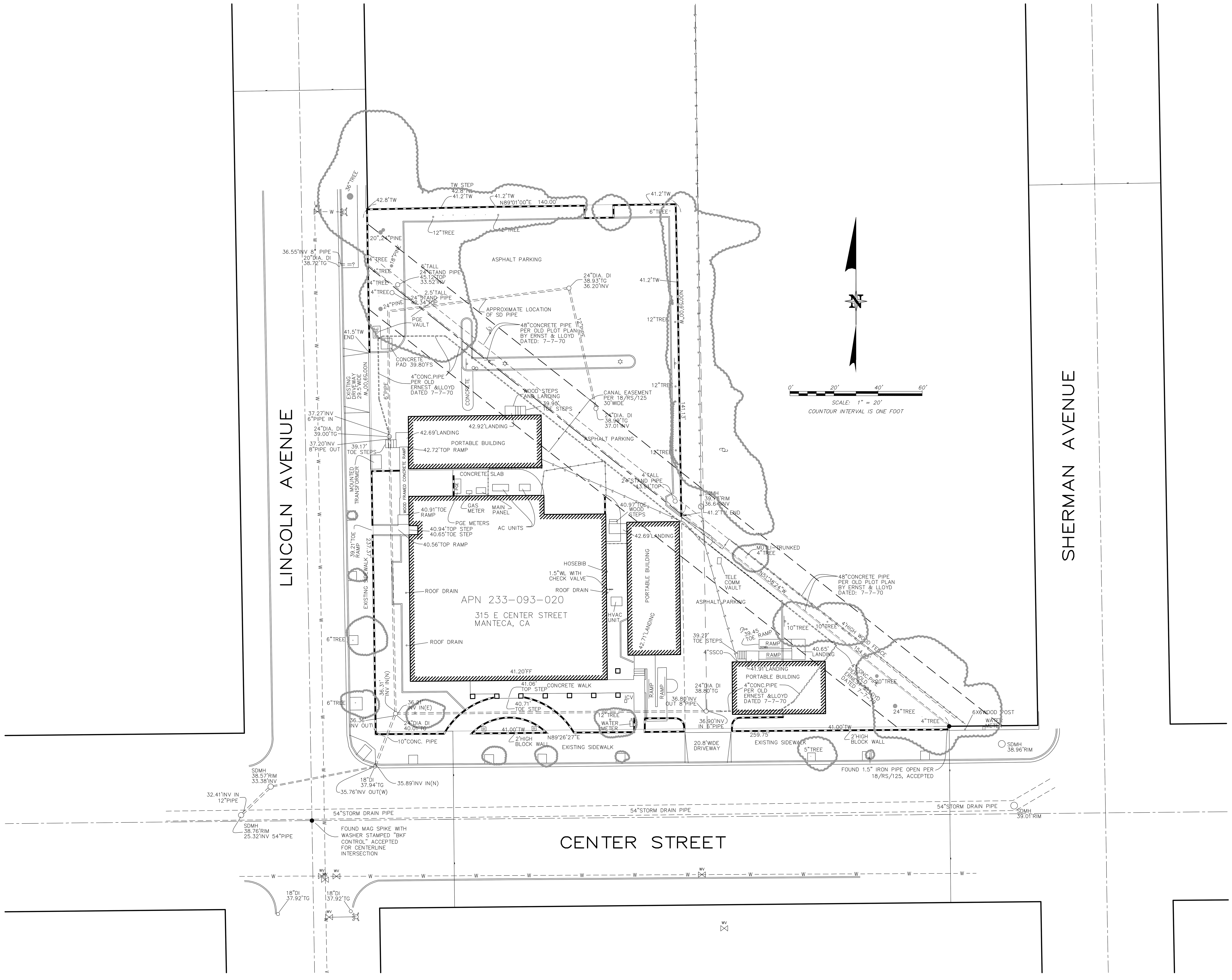
LICENSED ARCHITECT BRUCE DOUGLAS FRASER C 9787 EXPIRES 12•31•11 STATE OF CALIFORNIA

SHEET TITLE

GENERAL NOTES, SYMBOLS AND ABBREVIATIONS

SHEET #

T.1



SYMBOL LEGEND:

FENCE LINE	RETAINING WALL
SEWER MAIN	PG&E BOX
WATER MAIN	GAS METER
GAS MAIN	TELEPHONE BOX
ELEC/TELEPHONE/CABLE	SIGNAL BOX
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

SURVEYOR'S STATEMENT:

2-9-2011

NICHOLAS D. PASQUINI, PLS 7618 DATE

SURVEYOR'S NOTES:

BENCH MARK:

BASIS OF BEARINGS

BEARING N 00° 59' 00" W PER 9/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 CA AS SHOWN ON MAP FILED IN BOOK 9 OF MAPS AT PAGE 25, IN THE CITY OF MANTECA, COUNTY OF SAN JOAQUIN, CALIFORNIA

AT THE REQUEST OF ROB CARNES

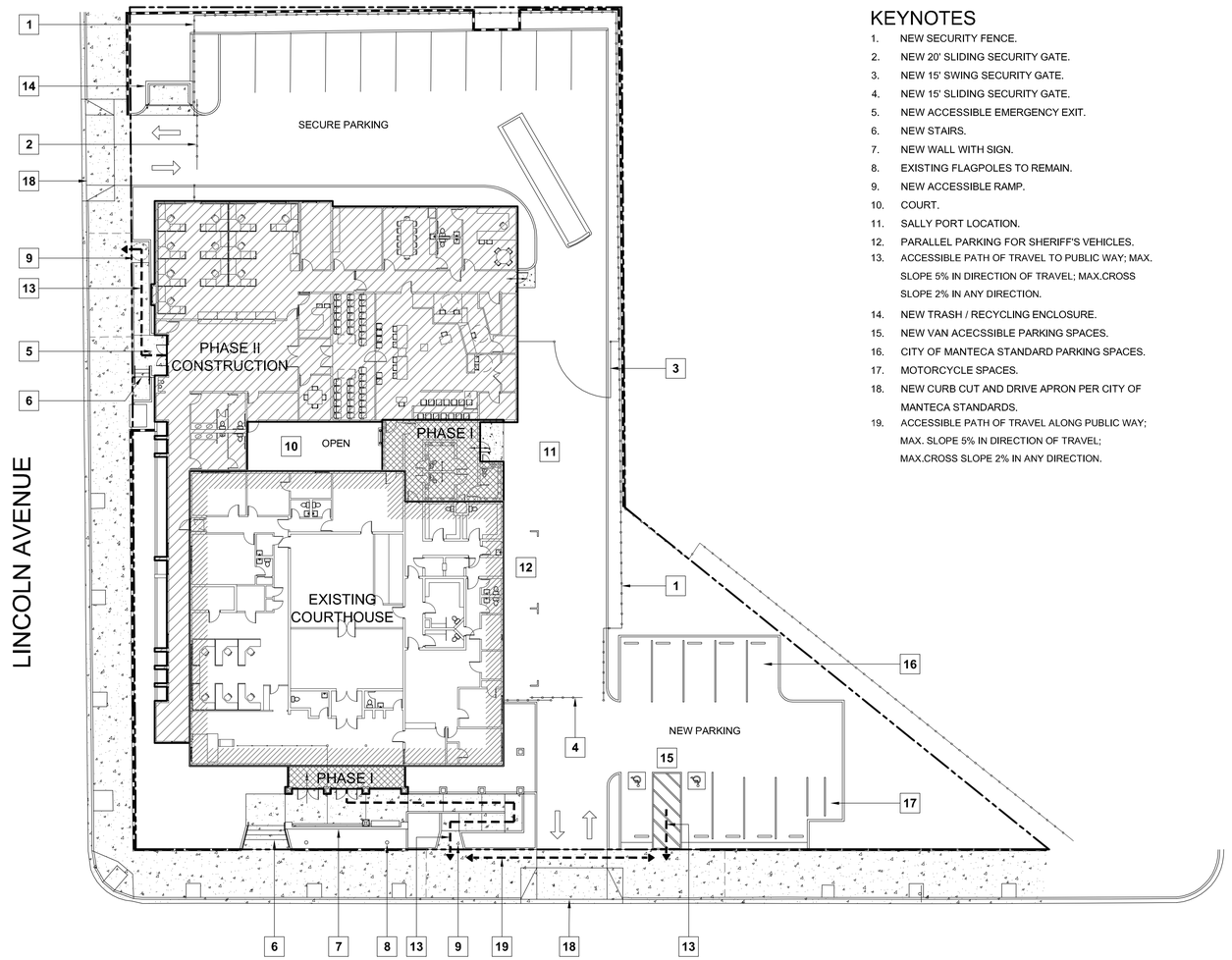
FEBRUARY 9 2011 SCALE:1"=20'

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



KEYNOTES

1. NEW SECURITY FENCE.
2. NEW 20' SLIDING SECURITY GATE.
3. NEW 15' SWING SECURITY GATE.
4. NEW 15' SLIDING SECURITY GATE.
5. NEW ACCESSIBLE EMERGENCY EXIT.
6. NEW STAIRS.
7. NEW WALL WITH SIGN.
8. EXISTING FLAGPOLES TO REMAIN.
9. NEW ACCESSIBLE RAMP.
10. COURT.
11. SALLY PORT LOCATION.
12. PARALLEL PARKING FOR SHERIFF'S VEHICLES.
13. ACCESSIBLE PATH OF TRAVEL TO PUBLIC WAY; MAX. SLOPE 5% IN DIRECTION OF TRAVEL; MAX.CROSS SLOPE 2% IN ANY DIRECTION.
14. NEW TRASH / RECYCLING ENCLOSURE.
15. NEW VAN ACECSSIBLE PARKING SPACES.
16. CITY OF MANTECA STANDARD PARKING SPACES.
17. MOTORCYCLE SPACES.
18. NEW CURB CUT AND DRIVE APRON PER CITY OF MANTECA STANDARDS.
19. ACCESSIBLE PATH OF TRAVEL ALONG PUBLIC WAY; MAX. SLOPE 5% IN DIRECTION OF TRAVEL; MAX.CROSS SLOPE 2% IN ANY DIRECTION.

PHASE I & PHASE II COMPOSITE REFERENCE SITE PLAN

SCALE: 1" = 20'

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

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PROJECT MANAGER BDF

DRAWN BY DL

DATES 05/05/11

SIGNED

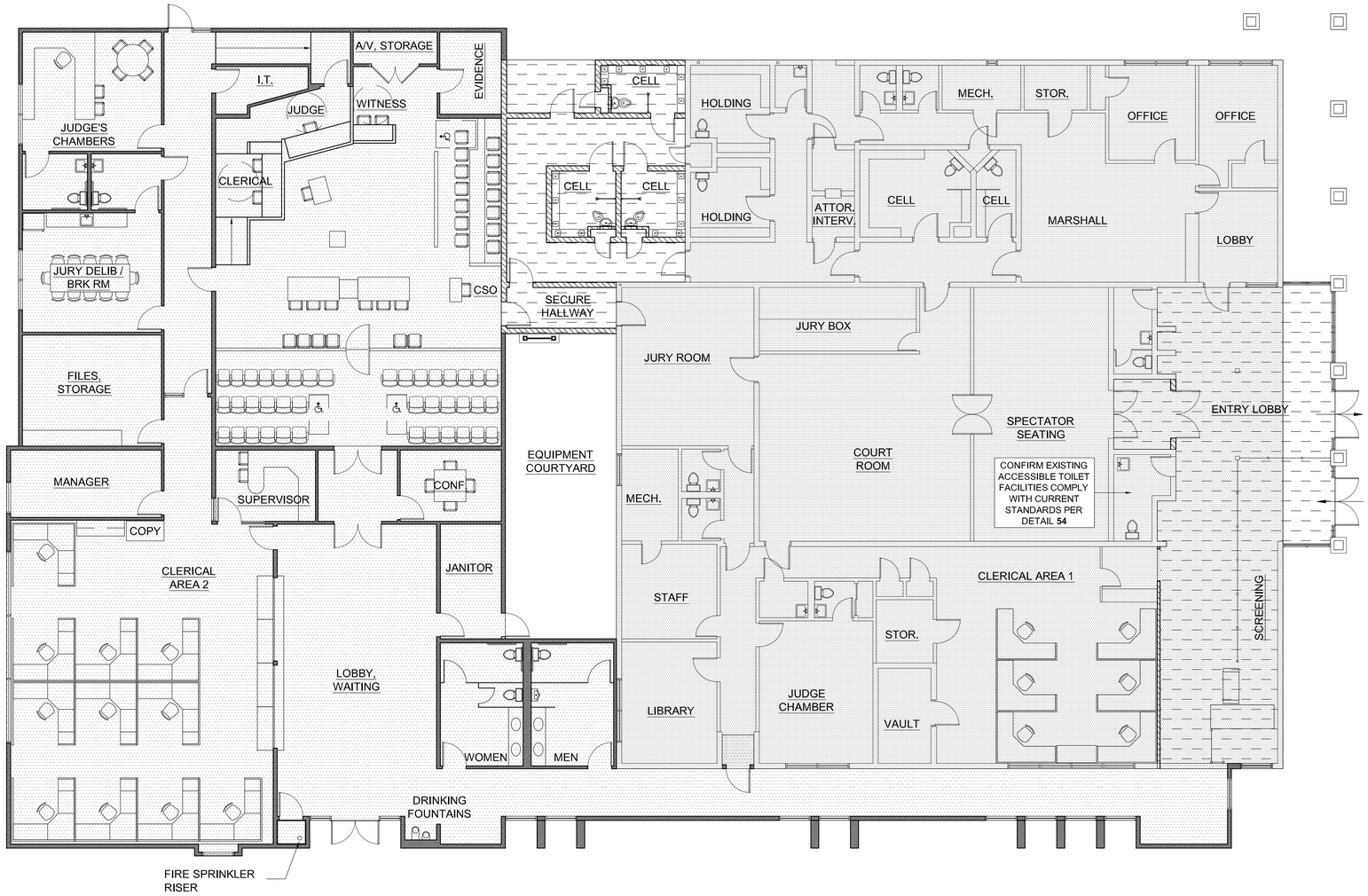
LICENSED ARCHITECT
BRUCE DOUGLAS FRASER
C 9787
EXPIRES 12-31-11
STATE OF CALIFORNIA

SHEET TITLE

PHASE I & PHASE II COMPOSITE REFERENCE SITE PLAN

SHEET #

T.3



PHASE I & PHASE II COMPOSITE REFERENCE FLOOR PLAN

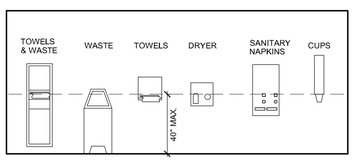
SCALE: 1/8" = 1'-0"

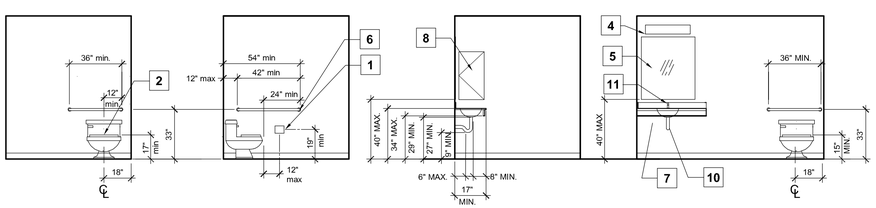
FIXTURE KEYNOTES

1. TOILET PAPER HOLDER
2. ADA COMPLIANT TOILET
4. WALL MOUNTED LIGHT FIXTURE
5. MIRROR
6. GRAB BAR(S), PROVIDE BLOCKING
7. OPEN BELOW FOR ACCESS
8. MEDICINE CABINET
9. NOT USED.
10. PIPE PROTECTION
11. ADA COMPLIANT FAUCET

ACCESSORIES GENERAL NOTES

1. MINIMUM 30"x 48" CLEAR FLOOR OR GROUND SPACE IS PROVIDED TO ALLOW FORWARD OR PARALLEL APPROACH TO ACCESSORIES.
2. ONE FULL UNOBSTRUCTED SIDE OF THE CLEAR OR GROUND SPACE ADJOINS OR OVERLAPS AN ACCESSIBLE ROUTE OR ADJOINS ANOTHER WHEELCHAIR CLEAR FLOOR SPACE.
3. MIRROR(S) MOUNTED WITH THE BOTTOM EDGE NO HIGHER THAN 40" ABOVE FLOOR.
4. OPERABLE PARTS (INCLUDING COIN SLOTS) OF ALL FIXTURES OR ACCESSORIES ARE LOCATED A MAXIMUM OF 40" ABOVE FLOOR: SOAP DISPENSERS, TOWELS, TOILET SEAT COVERS, AUTO DRYERS, SANITARY NAPKIN DISPENSERS, WASTE RECEPTACLES .
5. CONTROLS AND OPERATING MECHANISMS ARE OPERABLE WITH ONE HAND AND DO NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST.
6. THE FORCE REQUIRED TO ACTIVATE CONTROLS IS 5 LBF. MAXIMUM.
7. COAT HOOKS AND SHELVING ARE LOCATED WITHIN APPROPRIATE REACH RANGES 48" MAX. ABOVE FLOOR .
8. IF MEDICINE CABINETS ARE PROVIDED, AT LEAST ONE SHALL HAVE A USABLE SHELF NO HIGHER THAN 44" ABOVE FLOOR.





ADA FIXTURE HEIGHT & CLEARANCE REQUIREMENTS

54

1/4"= 1' -0"

PLUMBING FIXTURE COUNTS			
PLUMBING FIXTURES (NEW HOLDING CELLS)	FACTOR	REQUIRED	AS DESIGNED
2010 CPC TABLE 4-1			
WATER CLOSETS:	1 PER CELL	7	7
LAVATORIES:	1 PER CELL	7	7
SHOWERS:	NONE	NONE	NONE
URINALS:	NONE	NONE	NONE
PLUMBING FIXTURES (EXISTING ASSEMBLY FOR PUBLIC USE)			AS DESIGNED
MENS WATER CLOSETS:	1-100	1	1
MENS URINALS:	1-100	1	0
MENS LAVATORIES:	1-100	1	1
WOMENS WATER CLOSETS:	3 FOR 1-100	3	1+2 SHARED = 3
WOMENS LAVATORIES:	1-100	1	1
PLUMBING FIXTURES (EXISTING OFFICE FOR EMPLOYEE USE)			AS DESIGNED
MENS WATER CLOSETS:	16-35	2	2
MENS URINALS:	10-50	1	0
MENS LAVATORIES:	1 PER 40	1	2
WOMENS WATER CLOSETS:	16-35	3	2+1 SHARED = 3
WOMENS LAVATORIES:	1-100	1	2
PLUMBING FIXTURES (EXISTING JUDGE'S CHAMBERS)		REQUIRED	AS DESIGNED
WATER CLOSETS:		1	1
LAVATORIES:		1	1

NOTE: ABOVE CALCULATIONS DEMONSTRATE THAT THE HOLDING CELL ADDITION COMPLIES WITH THE MINIMUM REQUIRED PLUMBING FIXTURE COUNT. ALTHOUGH THE EXISTING BUILDING DOES NOT COMPLY WITH CURRENT PLUMBING FIXTURE COUNT STANDARDS, SUBSTANTIAL COMPLIANCE HAS BEEN DEMONSTRATED ALLOWING FOR SHARED PUBLIC / EMPLOYEE USE OF THE FACILITIES LOCATED WITHIN THE B OCCUPANCY PORTION OF THE BUILDING.

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

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PROJECT MANAGER BDF

DRAWN BY DL

DATES 03/07/11
04/28/11 90%

SIGNED

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

SHEET TITLE

PHASE I & PHASE II COMPOSITE REFERENCE FLOOR PLAN

SHEET #

T.4

PROJECT DATA							
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)		7,188 s.f.				
	ADDITIONS		882 s.f.				
	COMBINED TOTAL:		8,070 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
(N) LOBBY ADDITION	B – BUSINESS	219 / 100 =	3
(N) HOLDING CELL ADDITION	I-3 – HOLDING	37 FT. OF BENCH / 1.5 =	25
(N) ADDITION OCCUPANT LOAD			28
COMBINED TOTAL OCCUPANT LOAD			224

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'+20'=80'-0"		1	15'-10"
GROUP A-3 - MOST RESTRICTIVE		2+1 = 3	40'+20'=60'-0"		1	15'-10"
GROUP I-3 - PER 408.1.1		1	20'-0"		1	19'-6"

BUILDING AREA	ALLOWED:	AREA (s.f.)	AS DESIGNED:	AREA (s.f.)
(TABLE 503 - TYPE VA WITH SEC. 506.3 - SPRINKLER SYSTEM INCREASE)				
GROUP B		18,000 + (18,000x300%) = 72,000 s.f.		5,065
GROUP A-3 - MOST RESTRICTIVE		11,500 + (11,500x300%) = 46,000 s.f.		1,408
GROUP I-3		5,200 s.f. MAX. w/ 2 HR FIRE SEPARATION		1,597
TOTAL BUILDING AREA		46,000 x 3 = 138,000 s.f. >		8,070 OKAY

EGRESS

EGRESS WIDTH CALCULATIONS	INCHES/PERSON	OCCUPANTS SERVED	MIN. WIDTH (INCHES)	WIDTH PROVIDED (IN)
WORST CASE	0.15	224	33.6	44 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

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

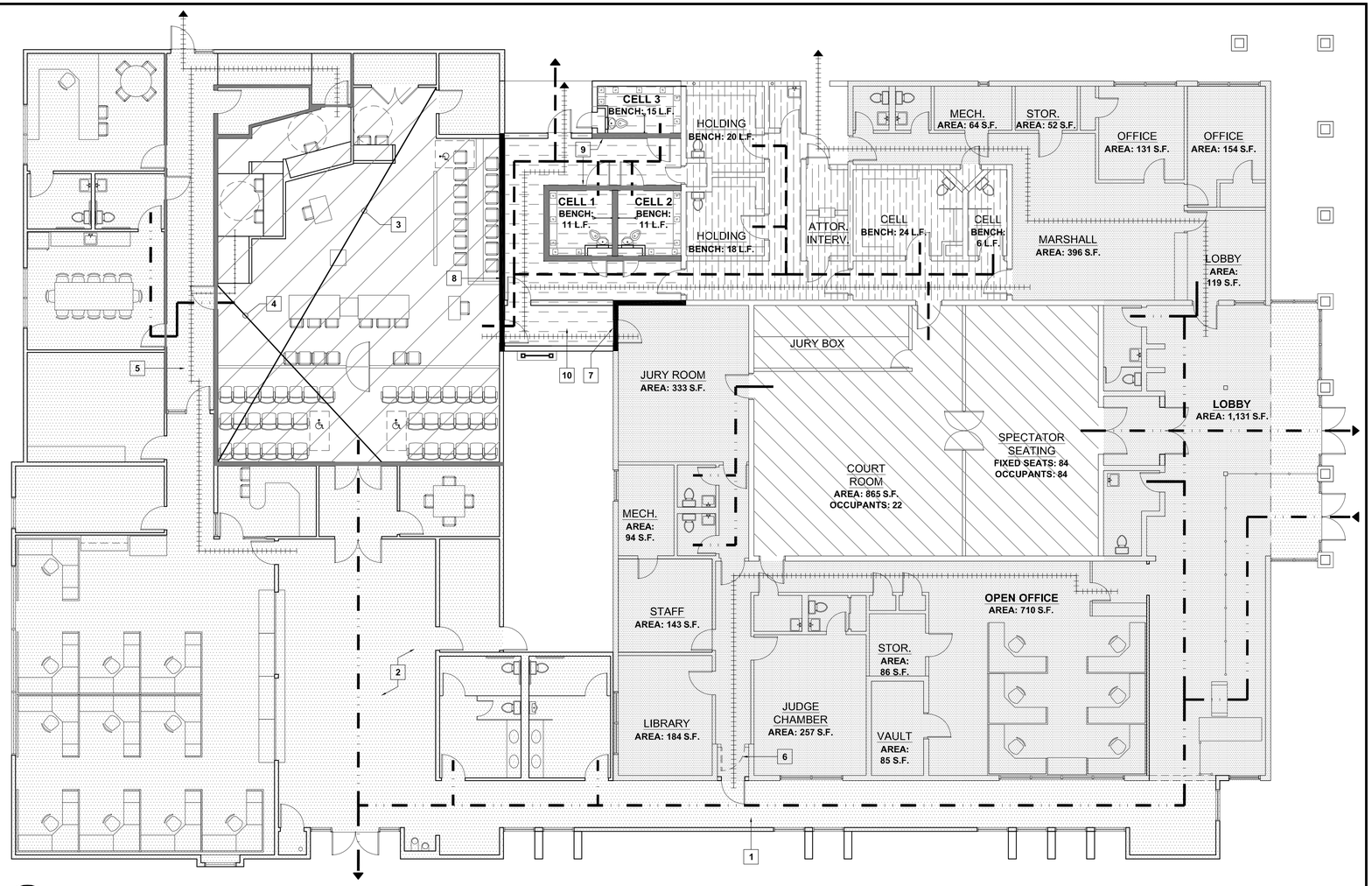
NOTE: RATED CORRIDORS IN A-3 AND B OCCUPANCY NOT REQUIRED WITH SPRINKLER SYSTEM PER TABLE 1018.1

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,I AND L OCCUPANCIES AND OTHER APPLICATIONS LISTED IN SECTION 111 REGULATED BY THE OFFICE OF THE STATE FIRE MARSHAL, DRAFTSOPPING 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



PHASE I & PHASE II CODE ANALYSIS

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

ACCESSIBILITY NOTES

1. 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).
2. ALL DOORS ON INDICATED P.O.T.'S SHALL COMPLY WITH APPLICABLE PROVISIONS OF CBC 1133B, INCLUDING:
   a. THE UNLATCHING OF ANY EXIT DOOR SHALL NOT REQUIRE MORE THAN ONE OPERATION.
   b. ALL EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE.
   c. 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.
   d. INTERIOR AND EXTERIOR THRESHOLDS SHALL MEET THE LEVEL CHANGE LIMITATIONS OF ITEM #1 ABOVE.
   e. ON DOORS THAT HAVE CLOSERS THE CLOSER PRESSURE SHALL NOT EXCEED 5 POUNDS FOR INTERIOR DOORS OR 8.5 POUNDS FOR EXTERIOR DOORS.
   f. 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.
   g. 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

1. COMMUNICATING HALLWAY, NOT PART OF REQUIRED EGRESS SYSTEM.
2. INTERVENING SPACE IN COMPLIANCE WITH CBC 1014.2
3. GREATEST DIAGONAL OF COURTROOM: 54'-8"
4. SEPARATION OF COURTROOM EXITS: 30'-6" (>54'-8"/2; OK)
5. ONE HOUR RATED EXIT CORRIDOR.
6. PHASE ONE SECONDARY EXIT.
7. EXISTING 2-HOUR RATED FULL HEIGHT CMU WALL.
8. NEW 2-HOUR RATED CMU WALL TO EXTEND TO TOP OF PARAPET.
9. REQUIRED 1-HOUR CMU WALLS TO EXTEND TO UNDERSIDE OF 6" CONCRETE LID (REQUIRED 2-HOUR HORIZONTAL BARRIER).
10. 6" CAST-IN-PLACE CONCRETE LID EXCEEDS REQUIRED 4 1/2" MIN. FOR 2-HOUR HORIZONTAL BARRIER AT RATED PENETRATIONS.
11. SEE SHEET A8.4 FOR PARTITION TYPES AND RATED PENETRATION DETAILS.

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 ADEQUATLEY 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

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PROJECT MANAGER BDF

DRAWN BY DL

DATES 05/05/11

SIGNED

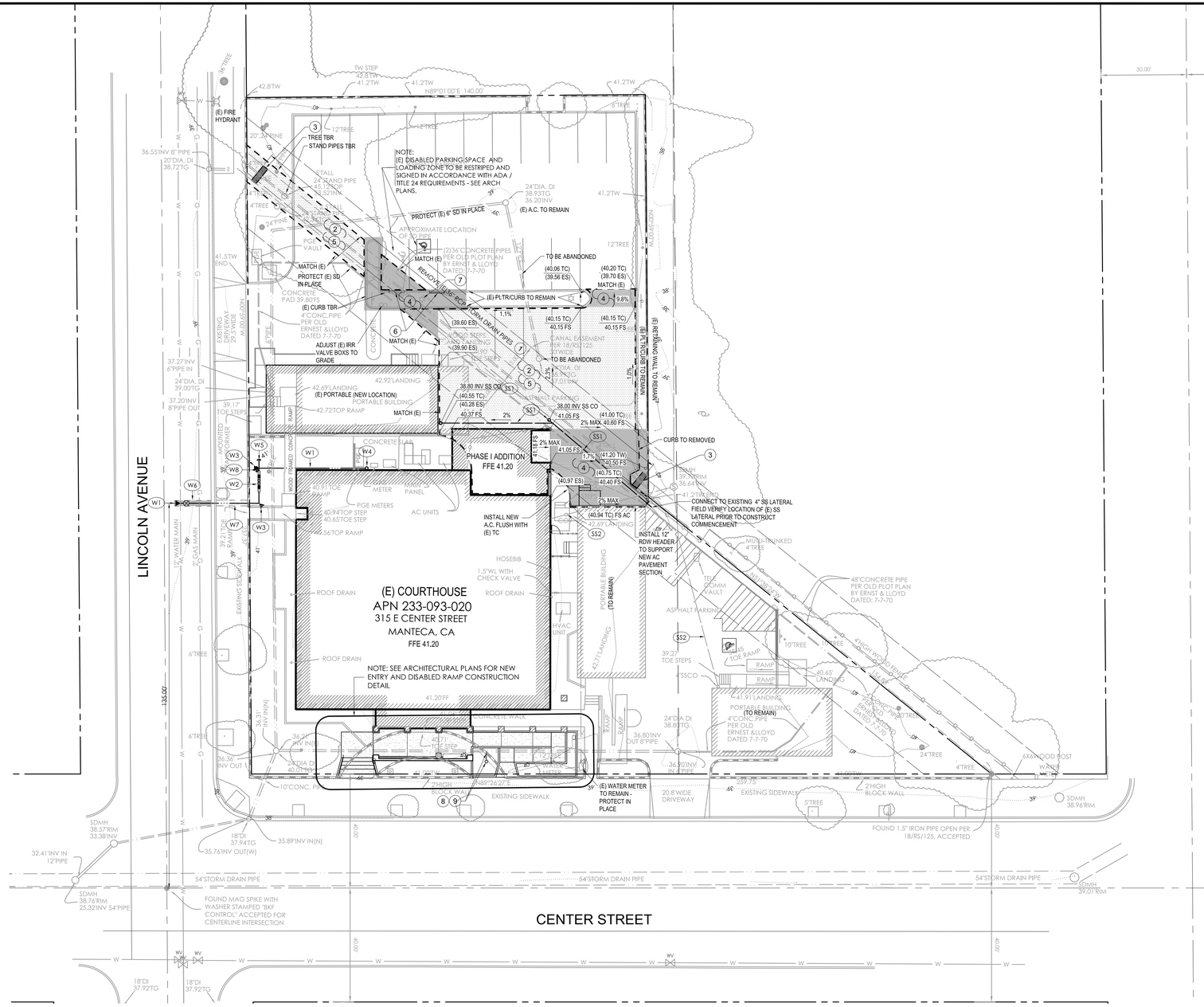
LICENSED ARCHITECT BRUCE DOUGLAS FRASER C 9787 EXPIRES 12*31*11 STATE OF CALIFORNIA

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
FFE - FINISHED FLOOR ELEVATION
FG - FINISHED GRADE
FL - FLOWLINE
FS - FINISHED SURFACE
SD - STORM DRAIN
TYP - TYPICAL
TBR - TO BE REMOVED

GENERAL NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ITEMS SHOWN ON THE PLANS.

2. 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.

3. 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.

4. 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.

5. ANY DEVIATION FROM THESE PLANS WITHOUT PRIOR APPROVAL FROM THE DESIGN ENGINEER SHALL BE AT THE CONTRACTOR'S OWN RISK AND EXPENSE.

6. 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, PE 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.

7. THE CONTRACTOR SHALL COMPLY WITH ALL GOVERNMENT ORDINANCES AND REGULATIONS RELATING TO THE WORK SHOWN ON THIS PLAN.

8. ALL CUT AND FILL SLOPES SHALL BE 2:1 OR FLATTER UNLESS OTHERWISE NOTED ON THE PLANS.

9. NO GRADING SHALL OCCUR WITHIN TWO (2) FEET OF THE PROPERTY LINES UNLESS NOTED OTHERWISE ON THESE PLANS.

10. 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.

11. 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.

12. 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.

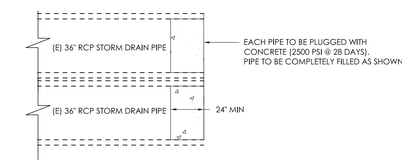
13. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR PLACEMENT OF SAFETY DEVICES SUCH AS FENCING, BARRICADES, SAFETY TAPE, ETC., AND SHALL FOLLOW ALL APPLICABLE INDUSTRIAL SAFETY REGULATIONS. THE CITY AND ITS OFFICIALS, THE ENGINEER, AND THE OWNER SHALL NOT BE RESPONSIBLE FOR ENFORCING SAFETY REGULATIONS.

14. 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.

15. 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.



A (E) STORM DRAIN PLUG DETAIL

Phase 1 - Grading, Drainage and Utility Plan

CONSTRUCTION NOTES:

1. REMOVE EXISTING 36" RCP STORM DRAIN PIPES TO LIMITS SHOWN. BACKFILL WITH 6" CLASS II BASE (UNLESS OTHERWISE NOTED)AND COMPACT TO EXISTING OR FINISH GRADES PER SOILS REPORT RECOMMENDATIONS
2. SAWCUT & REMOVE EXISTING A.C. PAVING AND/OR CURB TO LIMITS SHOWN.
3. REMOVE EXISTING STANDPIPES AND CONSTRUCT CONCRETE PLUG AT ENDS OF EXISTING STORM DRAIN TO REMAIN. SEE DETAIL "A" THIS SHEET.
4. CONSTRUCT 2" A.C. PAVEMENT OVER 4" CLASS II BASE TO LIMITS AND GRADES SHOWN.
5. CONSTRUCT 6" CLASS II BASE TO LIMITS AND GRADES SHOWN.
6. INSTALL WHEELSTOP.
7. EXISTING PARKING LOT LIGHT AND BASE TO BE REMOVED. PROVIDE TEMPORARY ELECTRICAL BOX AND RECONNECT CIRCUIT.
8. INSTALL 6" DIA NDS CATCH BASIN WITH NON-TRAFFIC GRATE.
9. INSTALL 3" DIA PVC SD PIPE. CONNECT TO EXISTING 8" SD PIPE. SEE ARCH DETAILS 32 & 24, SHT A1.2 FOR ADDITION DETAIL.

UTILITY CONSTRUCTION NOTES:

- W1 PROVIDE AND INSTALL NEW 4" FIRE SERVICE LINE PER CITY STD DETAIL W-11 & W-6. PROVIDE 30" MIN - 36" MAX COVER. VERIFY FIRE SERVICE SIZE WITH FIRE SPRINKLER CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- W2 PROVIDE AND INSTALL 4" DOUBLE CHECK VALVE ASSEMBLY PER CITY STD DETAIL W-15. VERIFY DCV SIZE WITH FIRE SPRINKLER CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- 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" FIRE SERVICE FOR FUTURE EXTENSION. VERIFY FIRE SERVICE SIZE WITH FIRE SPRINKLER CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- 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" SS LATERAL TO NEW PORTABLE BUILDING LOCATION AND INSTALL NEW SS CLEANOUT.
- SS2 EXISTING 4" SS LATERAL AND CLEANOUT- PROTECT IN PLACE.

NOTES:

1. SEE ARCHITECTURAL PLANS FOR ADDITIONAL ITEMS OF REMOVAL, RELOCATION, AND CONSTRUCTION.
2. POTHOLE AND VERIFY MATERIAL, LOCATION AND SIZE OF ALL WET AND DRY UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION.
3. SEE SHEET C2 FOR CONSTRUCTION DETAILS.

Preliminary - Not for Construction

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

SIGNED

REGISTERED PROFESSIONAL ENGINEER KEITH V. CROWE Lic. No. 31,581 Expires 12/12 CIVIL STATE OF CALIFORNIA

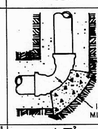
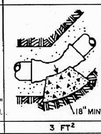
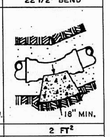
SHEET TITLE

PHASE I GRADING, DRAINAGE AND UTILITY PLAN

SHEET #

C1

C:\Users\Ground Up\Docs\Manteca Courthouse\GP\Manteca Courthouse GP.dwg 5/05/11 11:25 AM Ground Up

TYPE OF FITTING	90° BEND	45° BEND	11 1/4° OR 22 1/2° BEND
THRUST BLOCK DESCRIPTION			
PIPE SIZE 4" & 6"	4 FT²	3 FT²	2 FT²
8"	7	4	2
10"	11	6	3
12"	15	8	5
14"	20	11	6
16"	25	14	8

NOTES:

1. 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.
2. ALL THRUST BLOCKS SHALL BE MADE OF CLASS "B" CONCRETE WITH A MINIMUM CRUSHING STRENGTH OF 2,000 PSI AT 28 DAYS.
3. ALL BLOCKS TO BE POURED AGAINST UNDISTURBED SOIL. THE BLOCKS SHALL BE PLACED SO THAT JOINTS AND FITTINGS WILL BE ACCESSIBLE FOR REPAIRS.
4. FOR VERTICAL BENDS, ALL METALLIC TIE DOWNS SHALL BE ENCASED WITH POLYETHLENE WRAP (8 MIL. MIN.) AS SPECIFIED IN AWWA C105.
5. ALL THRUST BLOCKS SHALL BE A MINIMUM 18" THICK.

NO.	REVISED	BY
1	FEB. 1992	JK

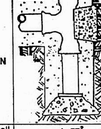
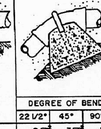
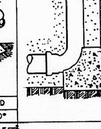
DRAWN BY: J. KOESTER
CHECKED BY: J. PODESTA
SCALE: NONE

REQUIRED BEARING AREA OF THRUST BLOCK

CITY OF MANTECA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: DIRECTOR OF PUBLIC WORKS
DRAWING NO. W-4
DATE: FEB 1992

PRINTED ON DIEPO NO. 1000H CLEARPRINT

TYPE OF FITTING	TEE AND DEAD END	CROSS WITH FUTURE EXTENSION	VERTICAL BEND	FIRE HYDRANT
THRUST BLOCK DESCRIPTION				
			DEGREE OF BEND: 22 1/2° / 45° / 90°	
PIPE SIZE 4" & 6"	4 FT²	4 FT²	2 FT² / 3 FT² / 5 FT²	ALL LINES TO FIRE HYDRANTS SHALL BE 6 INCHES AND HAVE A MINIMUM THRUST BLOCK AREA OF 6 SQ. FT.
8"	7	7	3 / 5 / 8	
10"	11	11	4 / 7 / 13	
12"	15	15	5 / 10 / 18	
14"	20	20	7 / 13 / 25	
16"	25	25	9 / 18 / 32	

NOTES:

1. 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.
2. ALL THRUST BLOCKS SHALL BE MADE OF CLASS "B" CONCRETE WITH A MINIMUM CRUSHING STRENGTH OF 2,000 PSI AT 28 DAYS.
3. ALL BLOCKS TO BE POURED AGAINST UNDISTURBED SOIL. THE BLOCKS SHALL BE PLACED SO THAT JOINTS AND FITTINGS WILL BE ACCESSIBLE FOR REPAIRS.
4. FOR VERTICAL BENDS, ALL METALLIC TIE DOWNS SHALL BE ENCASED WITH POLYETHLENE WRAP (8 MIL. MIN.) AS SPECIFIED IN AWWA C105.
5. ALL THRUST BLOCKS SHALL BE A MINIMUM 18" THICK.
6. THRUST BLOCKS AT FUTURE EXTENSIONS SHALL NOT EXCEED 24".

NO.	REVISED	BY
1	FEB. 1992	JK

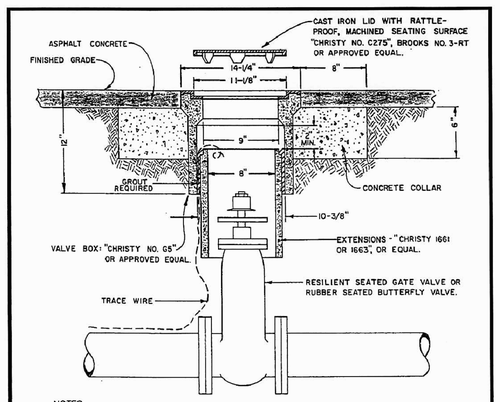
DRAWN BY: J. KOESTER
CHECKED BY: J. PODESTA
SCALE: NONE

REQUIRED BEARING AREA OF THRUST BLOCK

CITY OF MANTECA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: DIRECTOR OF PUBLIC WORKS
DRAWING NO. W-5
DATE: FEB 1992

PRINTED ON DIEPO NO. 1000H CLEARPRINT



NOTES:

1. VALVE BOX AND LID SHALL BE "CHRISTY NO. G5" AND "CHRISTY NO. C275", BROOKS NO. 3-RT, OR EQUALS.
2. ALL LIDS SHALL HAVE MACHINE SEATING SURFACES.
3. EXTENSIONS SHALL BE AS MANUFACTURED FOR THE VALVE BOX SUPPLIED OR A.C. PIPE OF CORRECT SIZE MAY BE USED.
4. CONCRETE COLLAR SHALL BE OF CLASS "B" CONCRETE AND SHALL BE CONSTRUCED 2½ INCHES BELOW FINISHED GRADE.
5. RESILIENT SEATED GATE VALVE SHALL BE MUELLER, KENNEDY, AMERICAN AVK CO., OR APPROVED EQUAL.
6. RESILIENT SEATED GATE VALVE SHALL HAVE A NON-RISING STEM AND CONFORM TO A.W.W.A. STANDARD C509 OF LATEST REVISION.
7. RUBBER SEATED BUTTERFLY VALVE SHALL BE DRESSER 450, MUELLER B3211 OR APPROVED EQUAL.
8. RUBBER SEATED BUTTERFLY VALVE SHALL CONFORM TO A.W.W.A. STANDARD C504 OF LATEST REVISION.
9. RUBBER SEATED BUTTERFLY VALVES SHALL BE USED FOR PIPE SIZES LARGER THAN 12 INCHES.

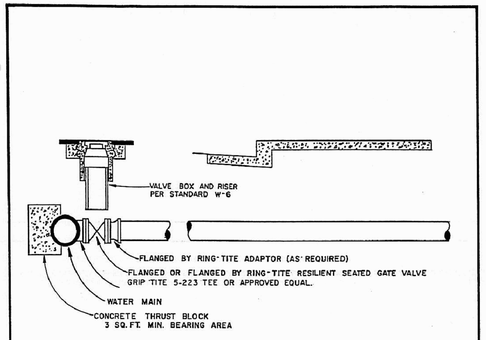
NO.	REVISED	BY
4	OCT. 2003	JH

DRAWN BY: C. SABERTON
CHECKED BY: J. PODESTA
SCALE: NONE

STANDARD VALVE BOX

CITY OF MANTECA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: DIRECTOR OF PUBLIC WORKS
DRAWING NO. W-6
DATE: JAN. 1988



NOTES:

1. WATER METER TO BE INSTALLED ABOVE GROUND IN ACCORDANCE WITH CITY STANDARD W-16. WATER METER WILL BE SUPPLIED AND INSTALLED BY CITY.
2. RESILIENT SEATED GATE VALVES, PER CITY STANDARD W-6, ARE REQUIRED FOR VALVE SIZES 2 THROUGH 12 INCHES.
3. RUBBER SEATED BUTTERFLY VALVES ARE REQUIRED FOR VALVES LARGER THAN 12 INCHES.
4. IF C-900 PIPE IS USED, MECHANICAL JOINTS MUST BE USED.
5. 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.
6. THE USE OF GALVANIZED PIPE IS NOT PERMITTED.

NO.	REVISED	BY
2	FEB. 1992	JK

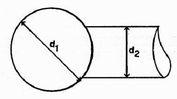
DRAWN BY: J. KOESTER
CHECKED BY: J. PODESTA
SCALE: NONE

STANDARD WATER SERVICE INSTALLATION 3" & LARGER

CITY OF MANTECA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: DIRECTOR OF PUBLIC WORKS
DRAWING NO. W-11
DATE: JAN. 1988

PRINTED ON DIEPO NO. 1000H CLEARPRINT



d_1 MUST BE A MINIMUM OF TWO SIZES GREATER THAN d_2.

APPROVED TAPPING SLEEVES: (STAINLESS STEEL)

1) ROMAC SST
2) ROCKWELL 663
3) FORD FAST
4) APPROVED EQUAL

APPROVED TAPPING VALVES: (MUST BE RESILIENT SEAT)

1) AMERICAN DARLING CRS-80
2) WATEROUS SERIES 500
3) APPROVED EQUAL

NO.	REVISED	BY

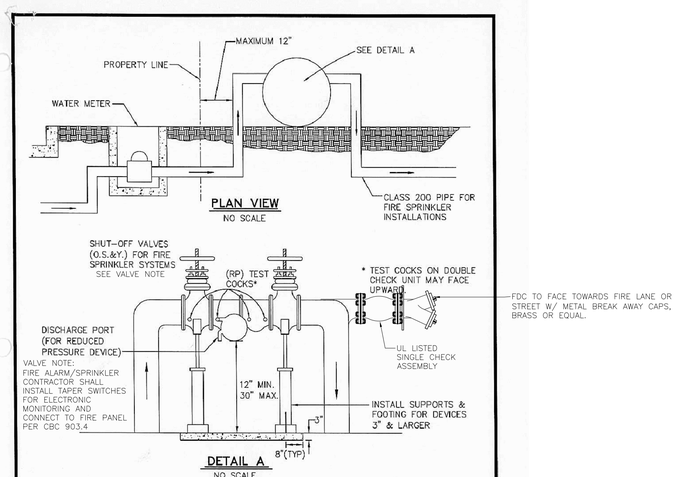
DRAWN BY: J. KOESTER
CHECKED BY: J. PODESTA
SCALE: NONE

HOT TAPS

CITY OF MANTECA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: DIRECTOR OF PUBLIC WORKS
DRAWING NO. W-14
DATE: FEB 1992

PRINTED ON DIEPO NO. 1000H CLEARPRINT



NOTES:

1. 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.
2. DEVICES MUST BE TESTED AND APPROVED BY A CITY APPROVED CERTIFIED TESTER PRIOR TO CITY ACCEPTANCE.
3. TEST COCKS AND SHUT OFF VALVES MUST BE SUPPLIED AS SHOWN.
4. THE DISCHARGE PORT MUST BE KEPT CLEAR OF OBSTRUCTION AT ALL TIMES.
5. BACKFLOW DEVICE SHALL BE VISIBLE FROM THE STREET.
6. DEVIATION FROM THE INSTALLATION SHOWN ABOVE MUST RECEIVE PRIOR CITY APPROVAL.
7. FIRE SPRINKLER SYSTEM BACKFLOW DEVICES SHALL HAVE A WORKING PRESSURE OF 175 PSI.
8. THE CONCRETE FOOTING SHALL BE FINISHED. CONCRETE MUST BE MIXED IN TRANSIT - NO TRAILER HAULED MIX.
9. ONE UNION IS REQUIRED ON ALL NON-FLANGED PLUMBING INSTALLATIONS.

NO.	REVISED	BY
8	APRIL, 2004	JH

DRAWN BY: J. KOESTER
CHECKED BY: J. PODESTA
SCALE: NONE

REDUCED PRESSURE/DOUBLE CHECK VALVE BACKFLOW PREVENTION DEVICE INSTALLATION

CITY OF MANTECA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: DIRECTOR OF PUBLIC WORKS
DRAWING NO. W-15
DATE: MAY, 1985

Preliminary - Not for Construction

PROJECT

SUPERIOR COURT OF CALIFORNIA
COUNTY OF SAN JOAQUIN

MANTECA BRANCH SITE AND BUILDING IMPROVEMENTS

PHASE 1

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DATES 05/05/11 SUBITTAL

SIGNED

REGISTERED PROFESSIONAL ENGINEER KEITH V. CROWE Lic. No. 31,581 Expires 12/12 CIVIL STATE OF CALIFORNIA

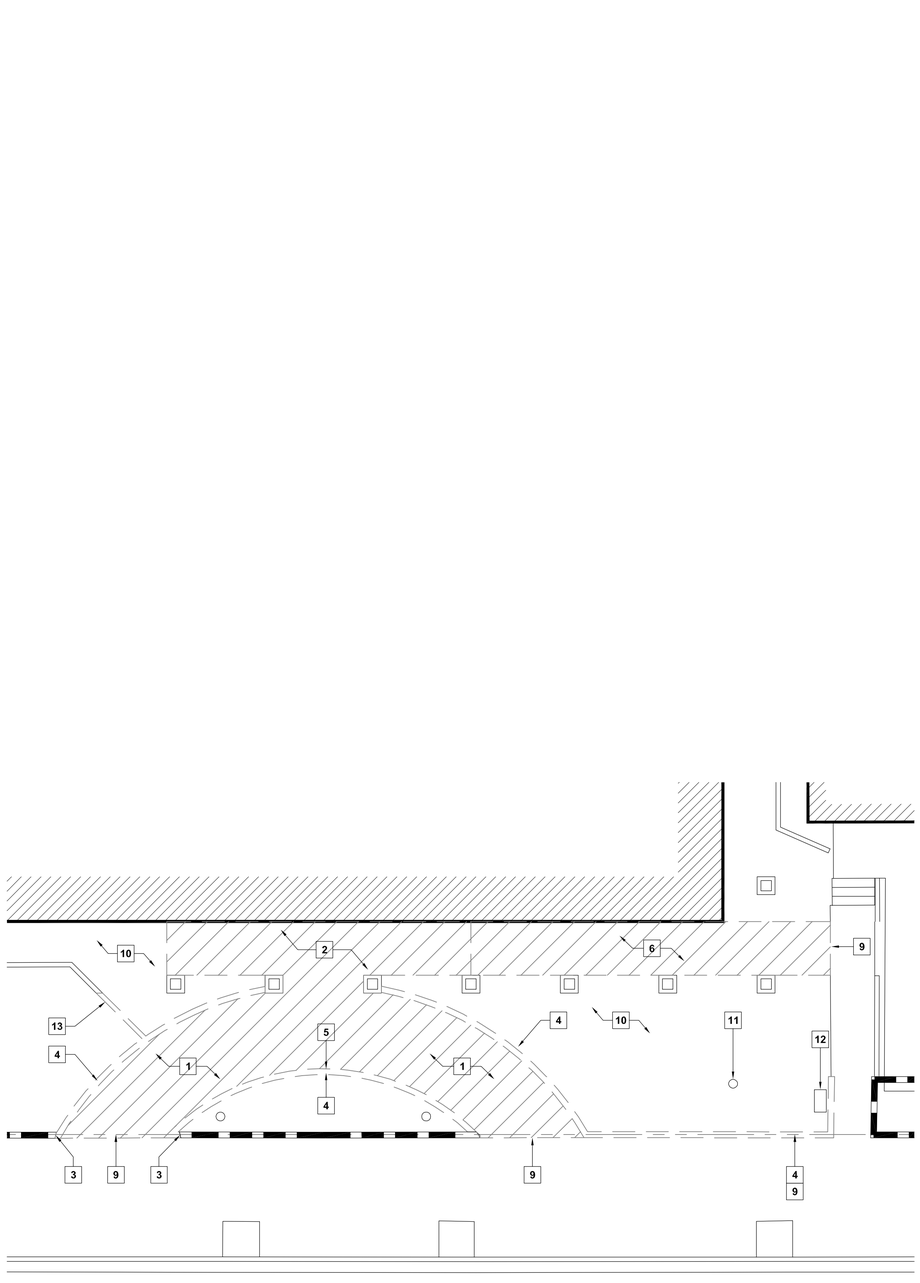
SHEET TITLE

CONSTRUCTION DETAILS

SHEET #

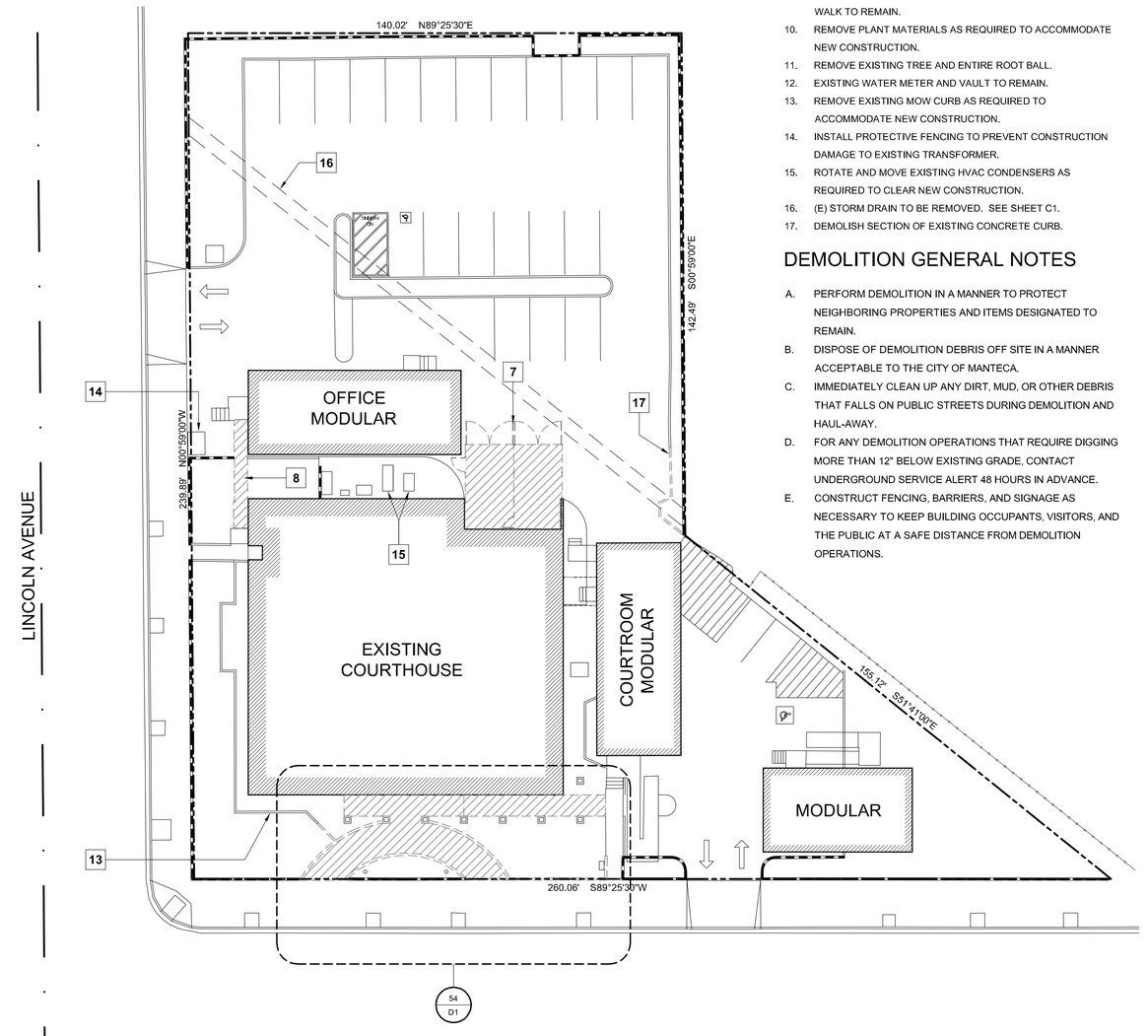
C2

C:\Users\Ground Up\Dobell Manteca Courthouse\CP\Manteca Courthouse CP.dwg 5/05/11 11:27 AM Ground Up



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. DEMOLISH EXISTING WOOD RAMP.
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

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PROJECT MANAGER BDF

DRAWN BY DL

DATES 05/05/11

SIGNED

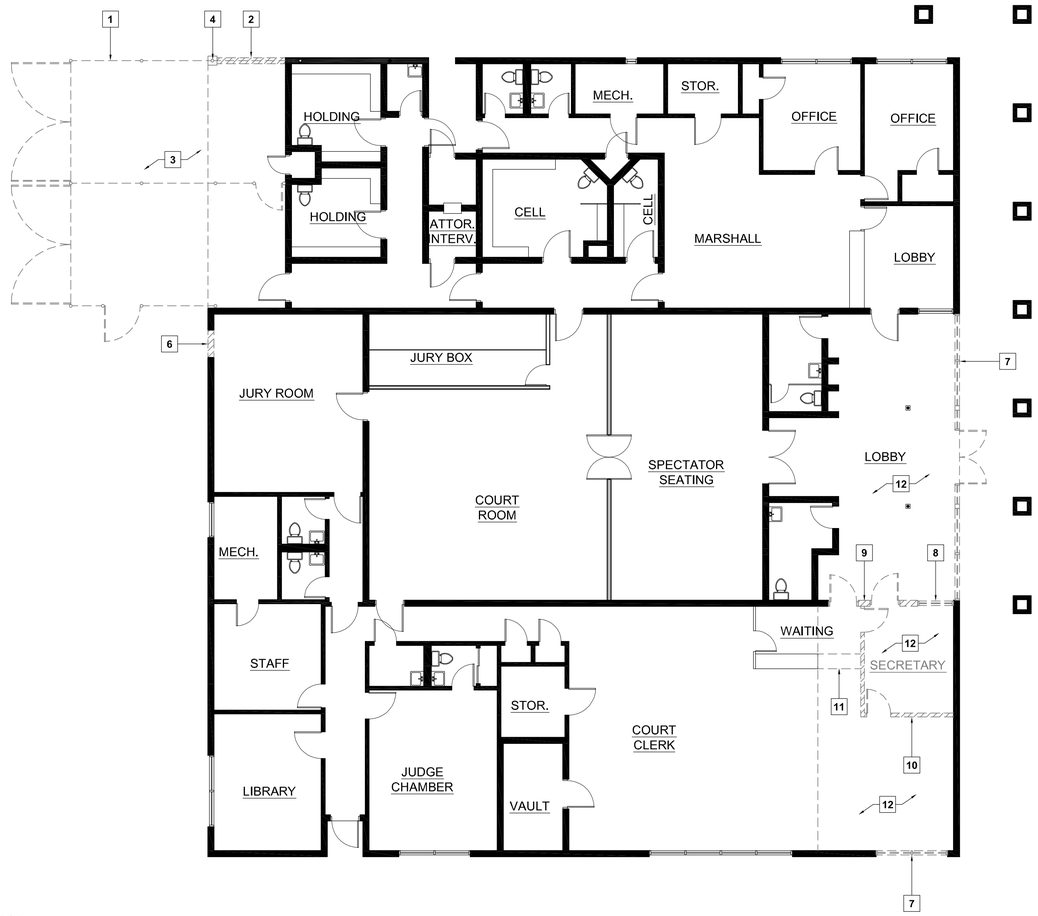
LICENSED ARCHITECT BRUCE DOUGLAS FRASER C 9787 EXPIRES 12-31-11 STATE OF CALIFORNIA

SHEET TITLE

PHASE I
SITE DEMOLITION PLAN

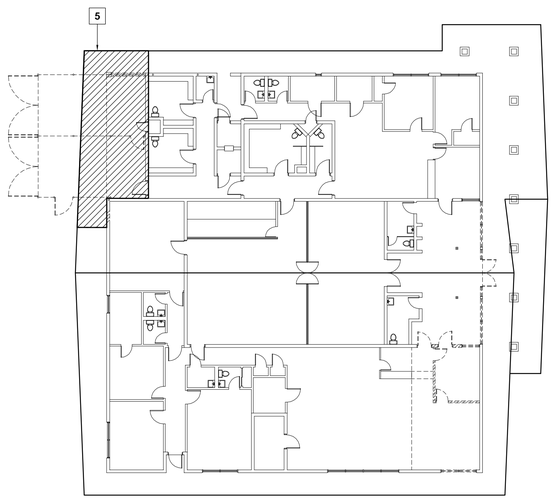
SHEET #

D1



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:

1. DEMOLISH EXISTING CHAIN LINK SALLYPORT.
2. DEMOLISH EXISTING BLOCK WALL AND PERIMETER FOUNDATION.
3. DEMOLISH CONCRETE SLAB AT SALLYPORT.
4. DEMOLISH EXISTING STRUCTURAL COLUMN AND FOUNDATION.
5. PORTION OF EXISTING ROOF TO BE COMPLETELY DEMOLISHED.
6. SAWCUT OPENING IN EXISTING BLOCK WALL FOR NEW DOOR.
7. DEMOLISH EXISTING STOREFRONT.
8. DOORS, WINDOWS, AND FRAMES TO BE REMOVED AND DELIVERED TO THE OWNER AS DIRECTED.
9. SAWCUT AND DEMOLISH PORTION OF EXISTING INTERIOR BLOCK WALL.
10. EXISTING WOOD FRAMED WALL TO BE DEMOLISHED AND REMOVED FROM SITE; PULL WIRING AND OTHER INSTALLATIONS INTO ATTIC SPACE TO CLEAR NEW CONSTRUCTION.
11. CAREFULLY CUT EXISTING COUNTER AND PROVIDE TEMPORARY SUPPORT.
12. 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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PROJECT MANAGER BDF

DRAWN BY DL

DATES 05/05/11

SIGNED

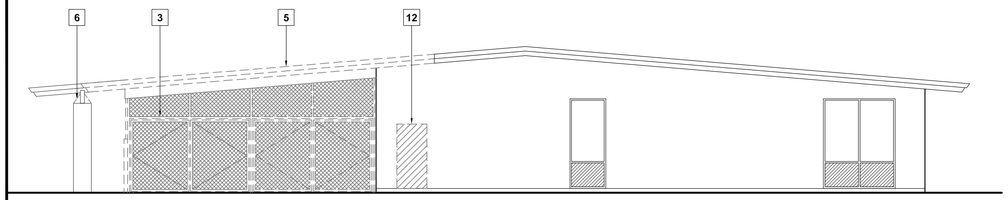
LICENSED ARCHITECT BRUCE DOUGLAS FRASER C 9787 EXPIRES 12-31-11 STATE OF CALIFORNIA

SHEET TITLE

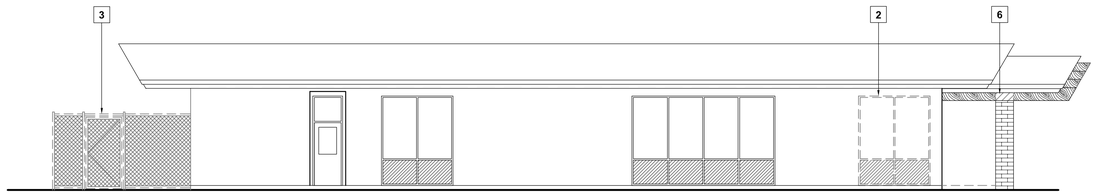
PHASE I DEMOLITION FLOOR PLAN, ROOF PLAN

SHEET #

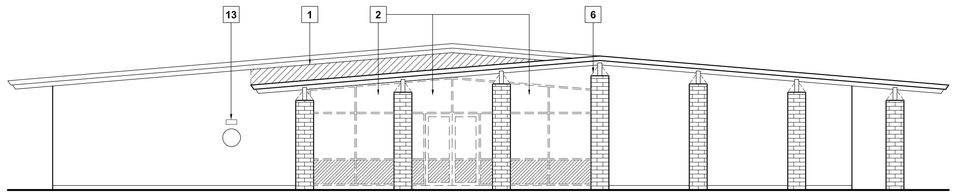
D2



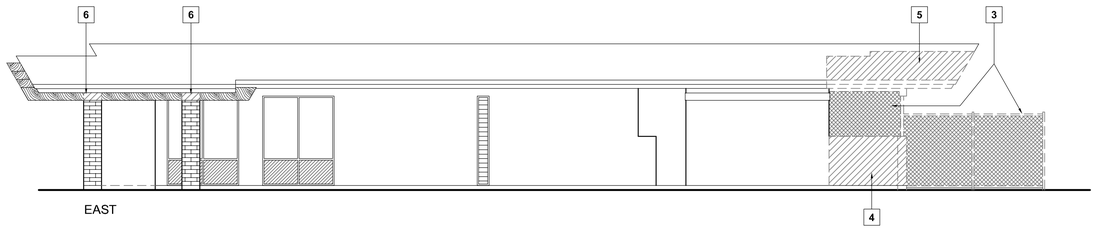
NORTH



WEST



SOUTH



EAST

PHASE I DEMOLITION ELEVATIONS

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

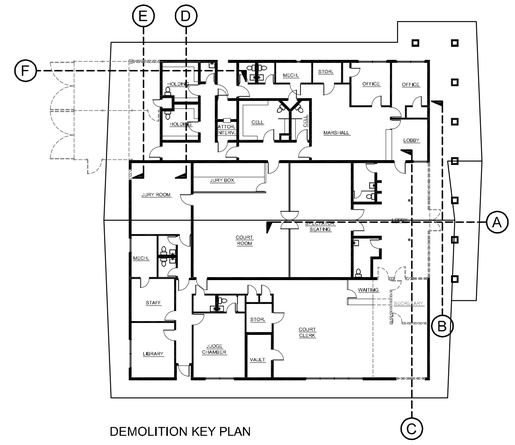
LEGEND

——— EXISTING TO REMAIN AND PROTECT

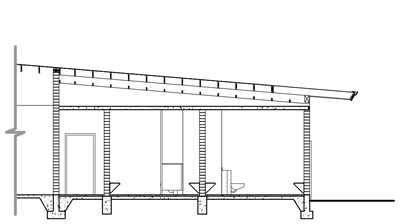
– – – – EXISTING TO BE DEMOLISHED

KEYNOTES:

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



DEMOLITION KEY PLAN



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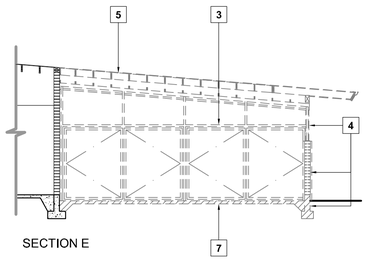

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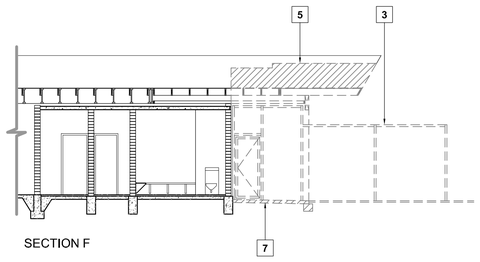

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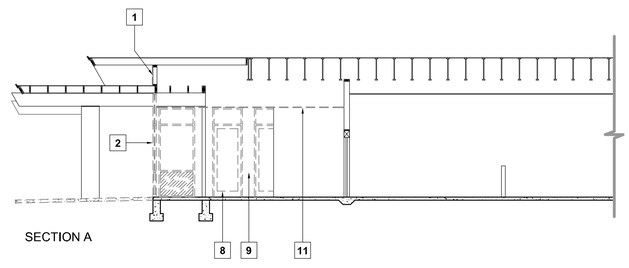
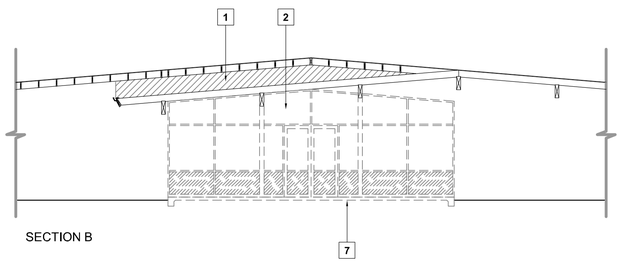


SECTION A



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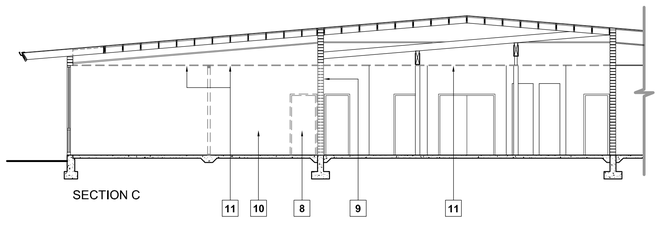

SECTION C

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

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DATES 05/05/11

SIGNED

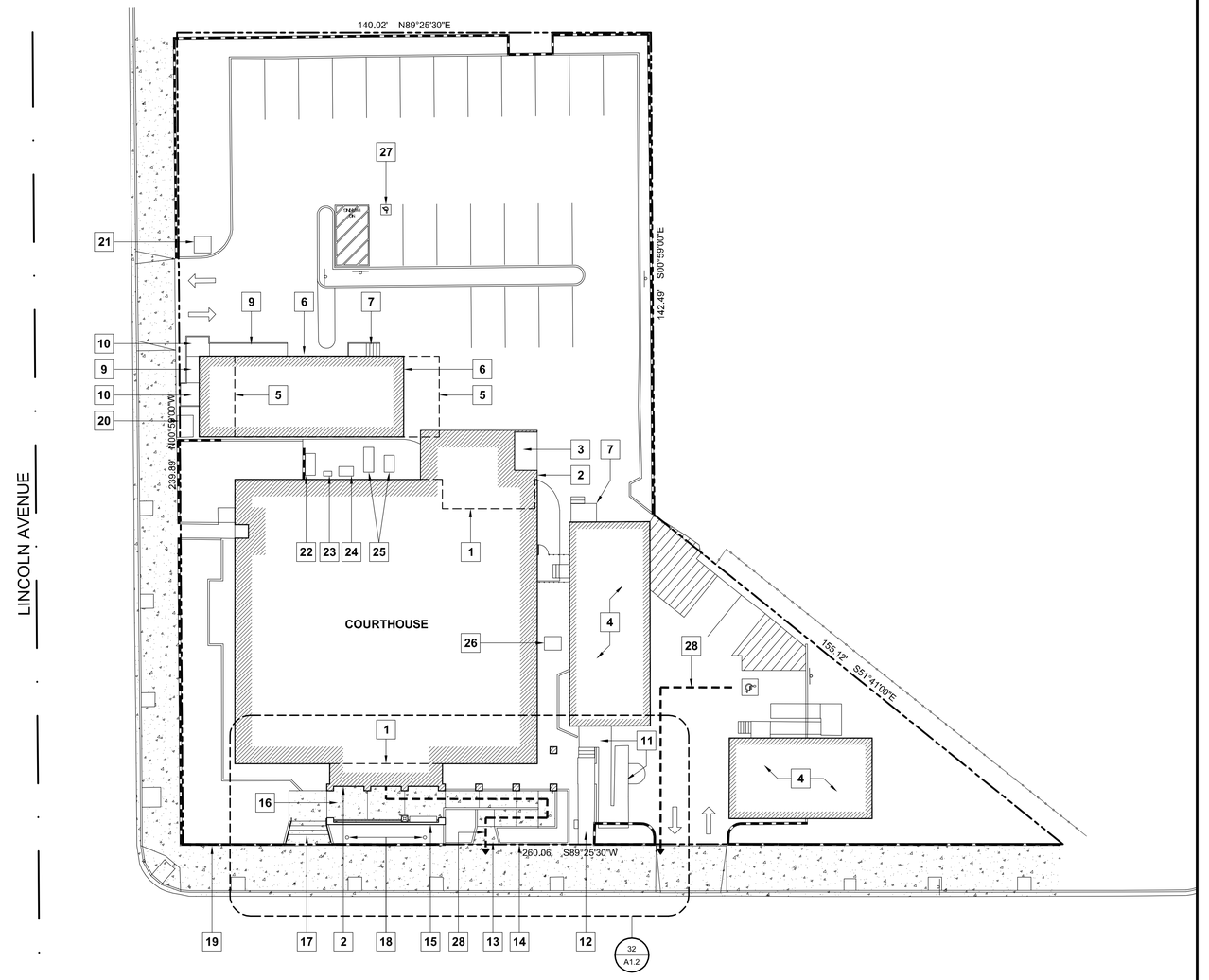
LICENSED ARCHITECT
BRUCE DOUGLAS FRASER
C 9787
EXPIRES 12*31*11
STATE OF CALIFORNIA

SHEET TITLE

PHASE I DEMOLITION ELEVATIONS, SECTIONS

SHEET #

D3



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.
5. EXISTING LOCATION OF EXISTING PORTABLE BUILDING TO REMAIN.
6. NEW LOCATION OF EXISTING PORTABLE BUILDING TO REMAIN.
7. RELOCATED WOOD STAIR SET.
8. RELOCATED WOOD LANDING.
9. NEW WOOD TEMPORARY RAMP WITH HANDRAIL.
10. NEW WOOD TEMPORARY LANDING WITH HANDRAIL.
11. EXISTING WOOD RAMP, STAIR SET, AND LANDINGS TO REMAIN.
12. EXISTING CONCRETE WALK TO REMAIN.
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.
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. RESTRIPE (E) ACCESSIBLE PARKING STALL PER DETAIL 31/A1.3. IF EXISTING SIGNAGE DOES NOT MEET SUBSTANTIAL COMPLIANCE, REPLACE PER DETAILS 42 & 44/A1.3.
28. ACCESSIBLE PATH OF TRAVEL TO PUBLIC WAY; MAX. SLOPE 5% IN DIRECTION OF TRAVEL; MAX.CROSS SLOPE 2% IN ANY DIRECTION.

PROJECT

SUPERIOR COURT OF CALIFORNIA
COUNTY OF SAN JOAQUIN

MANTECA BRANCH SITE AND BUILDING IMPROVEMENTS

PHASE 1

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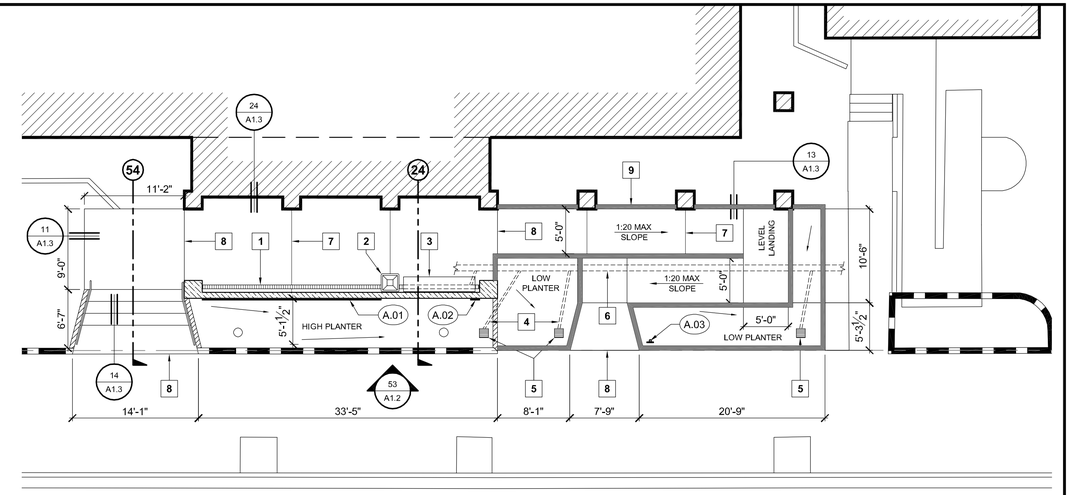
LICENSED ARCHITECT BRUCE DOUGLAS FRASER C 9787 EXPIRES 12•31•11 STATE OF CALIFORNIA

SHEET TITLE

PHASE I SITE PLAN

SHEET #

A1.1



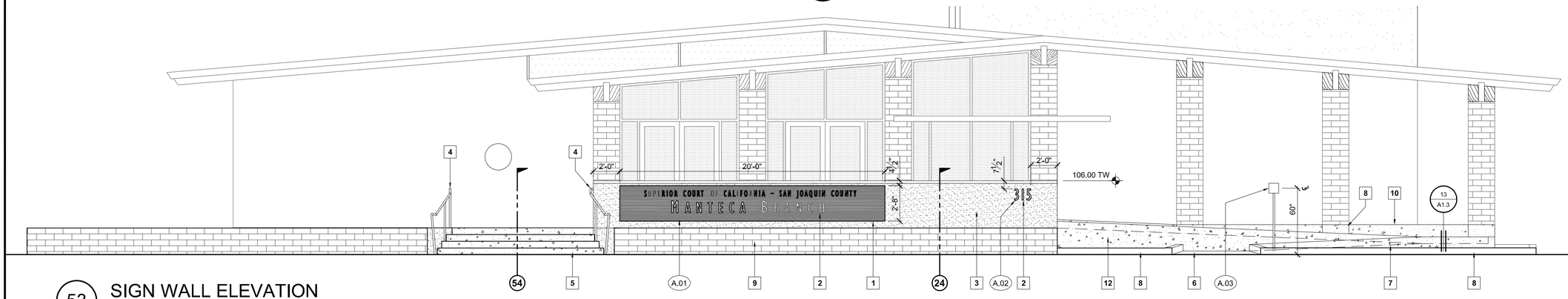
SITE KEYNOTES

1. LINEAR DRAIN w/ IRON GRATE.
2. TRASH RECEPTACLE.
3. 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.

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

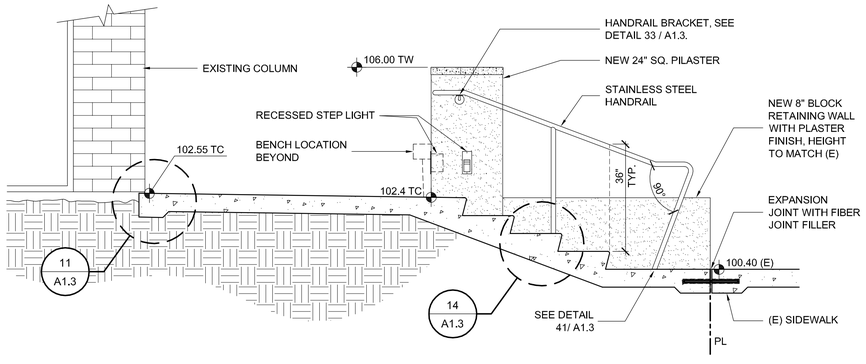
32 PHASE I - ENLARGED SITE PLAN

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



53 SIGN WALL ELEVATION

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

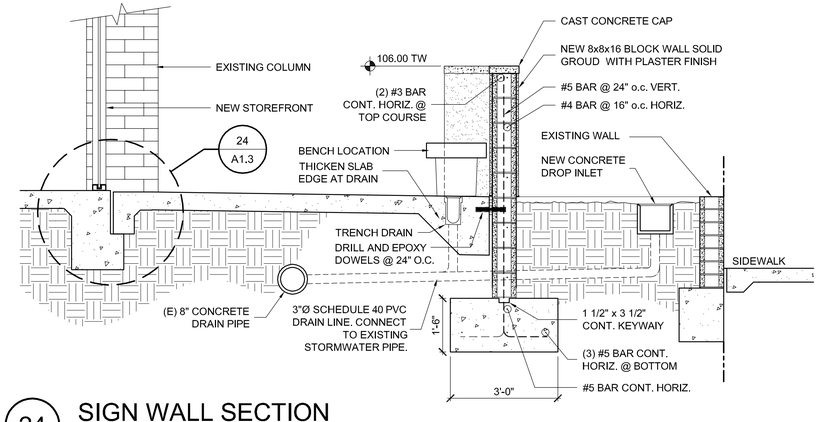


54 STAIR SECTION

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

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 RAMP AT 5% MAX. SLOPE.
7. LINE OF RAMP 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 RAMP 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.



24 SIGN WALL SECTION

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

PROJECT

SUPERIOR COURT OF CALIFORNIA
COUNTY OF SAN JOAQUIN

MANTECA BRANCH SITE AND BUILDING IMPROVEMENTS

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DATES 05/05/11

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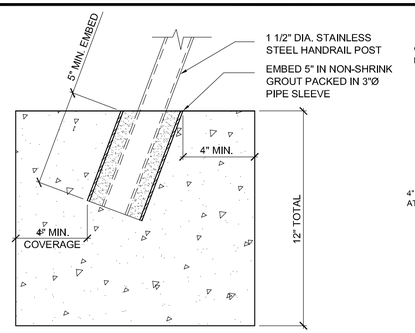
LICENSED ARCHITECT BRUCE DOUGLAS FRASER C 9787 EXPIRES 12-31-11 STATE OF CALIFORNIA

SHEET TITLE

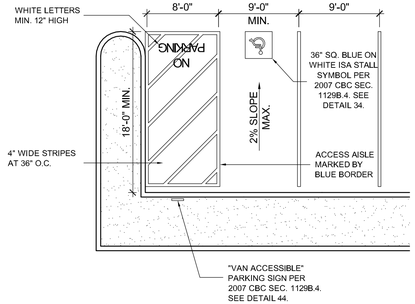
PHASE I SITE DETAILS

SHEET #

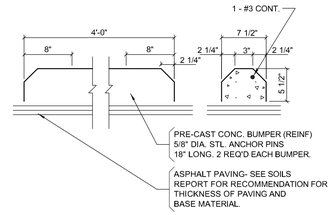
A1.2



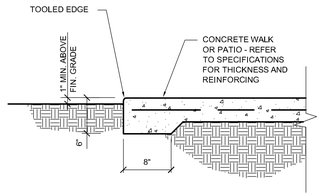
41 HANDRAIL POST
3"= 1' -0"



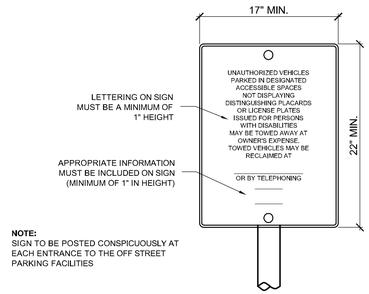
31 VAN ACCESSIBLE PRKG
1/8"=1' -0"



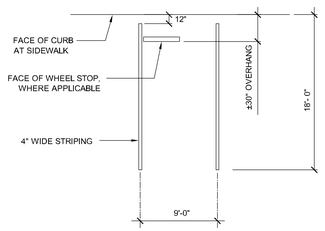
21 WHEEL STOP
1"= 1' -0" D027007A



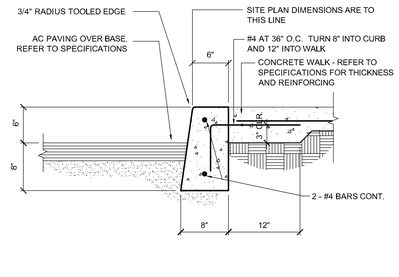
11 WALK / PATIO EDGE
1"= 1' -0" D027009B



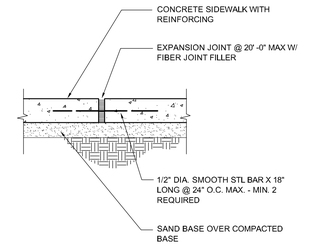
42 UNAUTHORIZED VEHICLE SIGNS
1 1/2"= 1' -0" D104014B



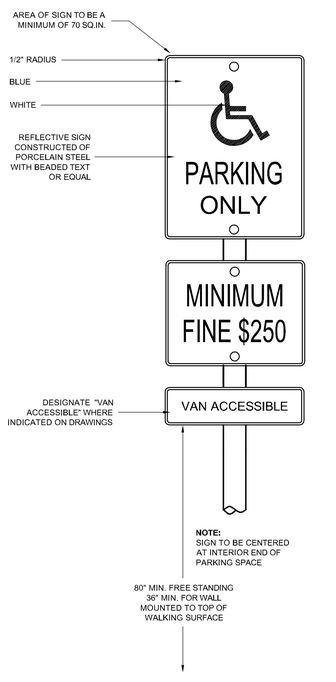
32 PARKING SPACE STRIPING AT 90° PARKING STALLS
NO SCALE



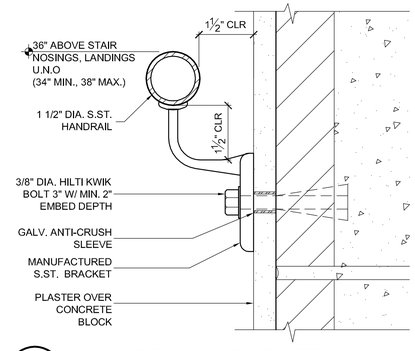
22 CONC. CURB
1"= 1' -0" D027005A



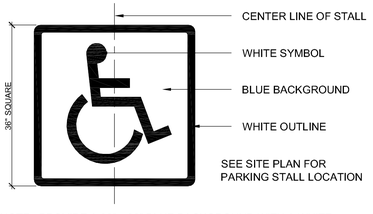
12 EXPANSION JOINT
1"= 1' -0" D027003A



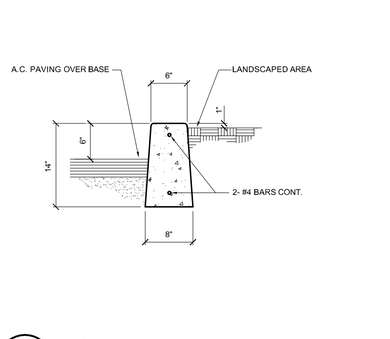
44 PARKING SIGNAGE
1 1/2"= 1' -0" D104006B



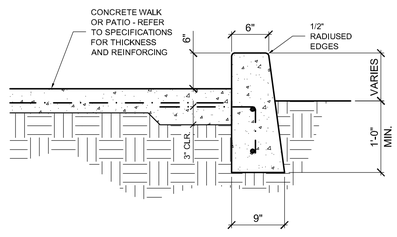
33 HANDRAIL BRACKET
6"= 1' -0"



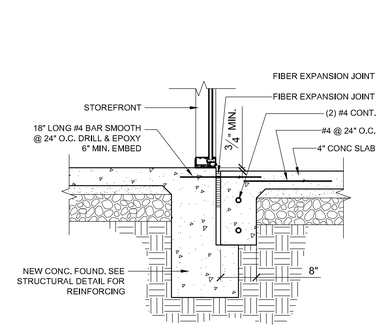
34 ACCESSIBLE PARKING STALL SYMBOL
3/4"= 1' -0"



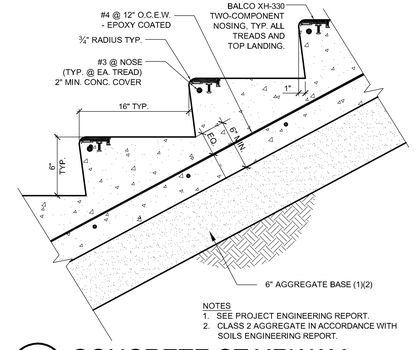
23 CONC. CURB
1"= 1' -0" D027007A



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



24 FOOTING AT WALK
3/4"= 1' -0" D0330XXA



14 CONCRETE STAIRWAY
N.T.S. D033135A

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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DATES 05/05/11

SIGNED

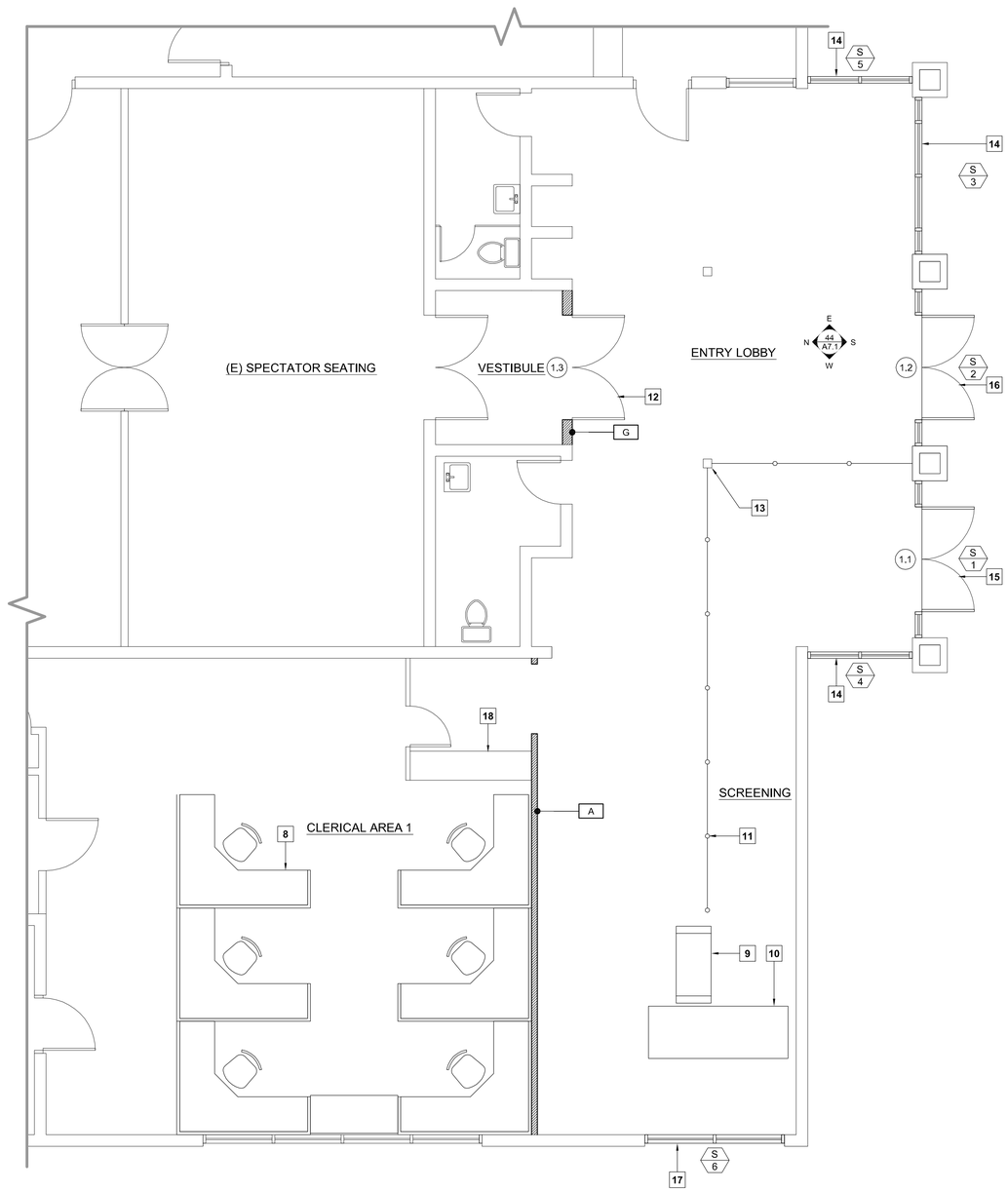
LICENSED ARCHITECT BRUCE DOUGLAS FRASER C 9787 EXPIRES 12*31*11 STATE OF CALIFORNIA

SHEET TITLE

PHASE I
SITE DETAILS

SHEET #

A1.3



PHASE I FLOOR PLAN - LOBBY

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

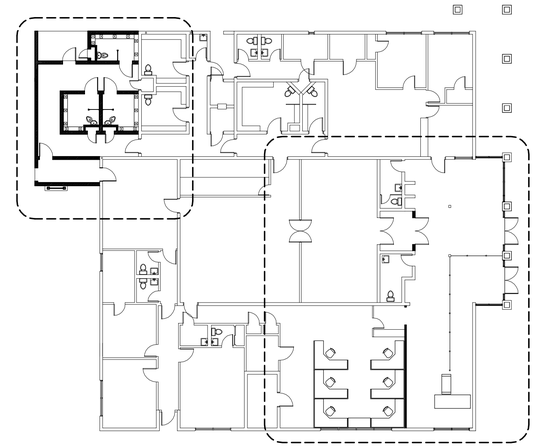
LEGEND

NEW WALL

EXISTING WALL TO REMAIN

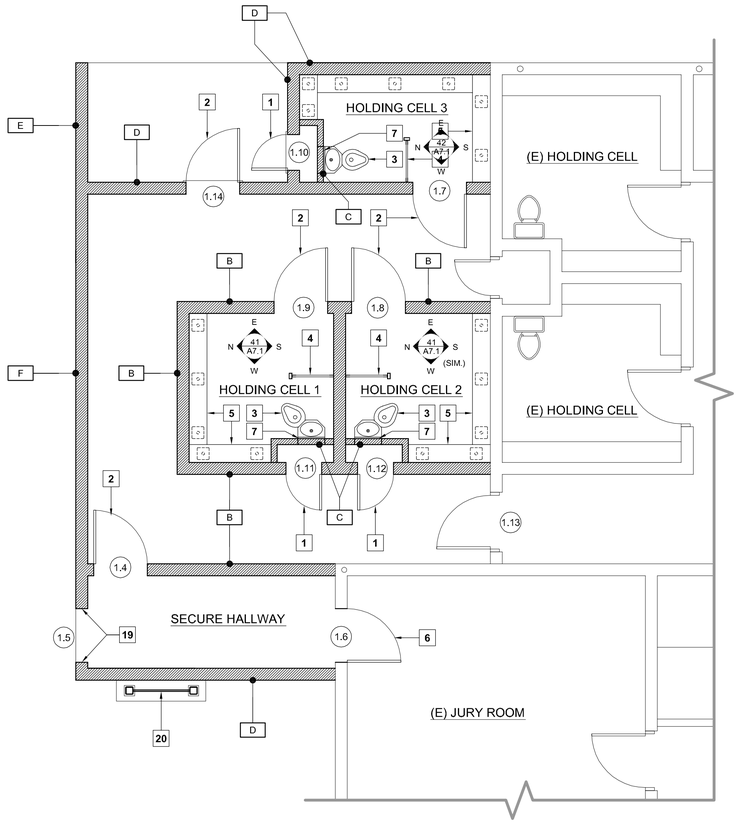
FLOOR PLAN KEYNOTES

1. 2040 SOLID CORE WOOD DOOR.
2. 3070 SOLID CORE STEEL DOOR.
3. "COMBY" TOILET / SINK / BUBBLER.
4. STAINLESS STEEL PRIVACY SCREEN.
5. STAINLESS STEEL 12" FLOOR MOUNTED BENCH.
6. 3070 SOLID CORE WOOD DOOR.
7. 12-1/2"W X 16-1/2" H STAINLESS STL. MIRROR.
8. NEW PREFABRICATED WORK STATIONS AND PARTITIONS.
9. WALK-THROUGH METAL DETECTOR BY OTHERS.
10. PACKAGE SCANNER BY OTHERS.
11. NEW PORTABLE CROWD CONTROL STANCHIONS WITH 48" SOLID PANELS.
12. NEW PAIR OF 3080 SOLID CORE WOOD DOORS.
13. EXISTING STEEL COLUMN TO REMAIN.
14. NEW GLAZED STOREFRONT INFILL.
15. NEW STOREFRONT ENTRY - PUBLIC ENTRANCE.
16. NEW STOREFRONT ENTRY - EXIT
17. STOREFRONT REPLACED WITH TEMPORARY ENTRANCE DURING CONSTRUCTION OF NEW LOBBY.
18. EXISTING SERVICE COUNTER TO REMAIN.
19. OPENING TO BE TEMPORARILY BLOCKED OFF UNTIL PHASE 2 CONSTRUCTION COMMENCES.
20. ROOF ACCESS LADDER.



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

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SHEET TITLE

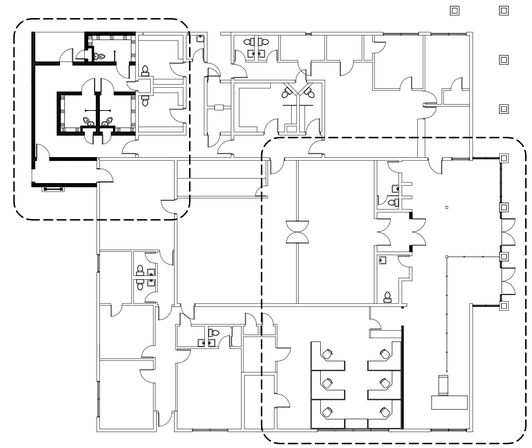
PHASE I DESCRIPTIVE FLOOR PLAN

SHEET #

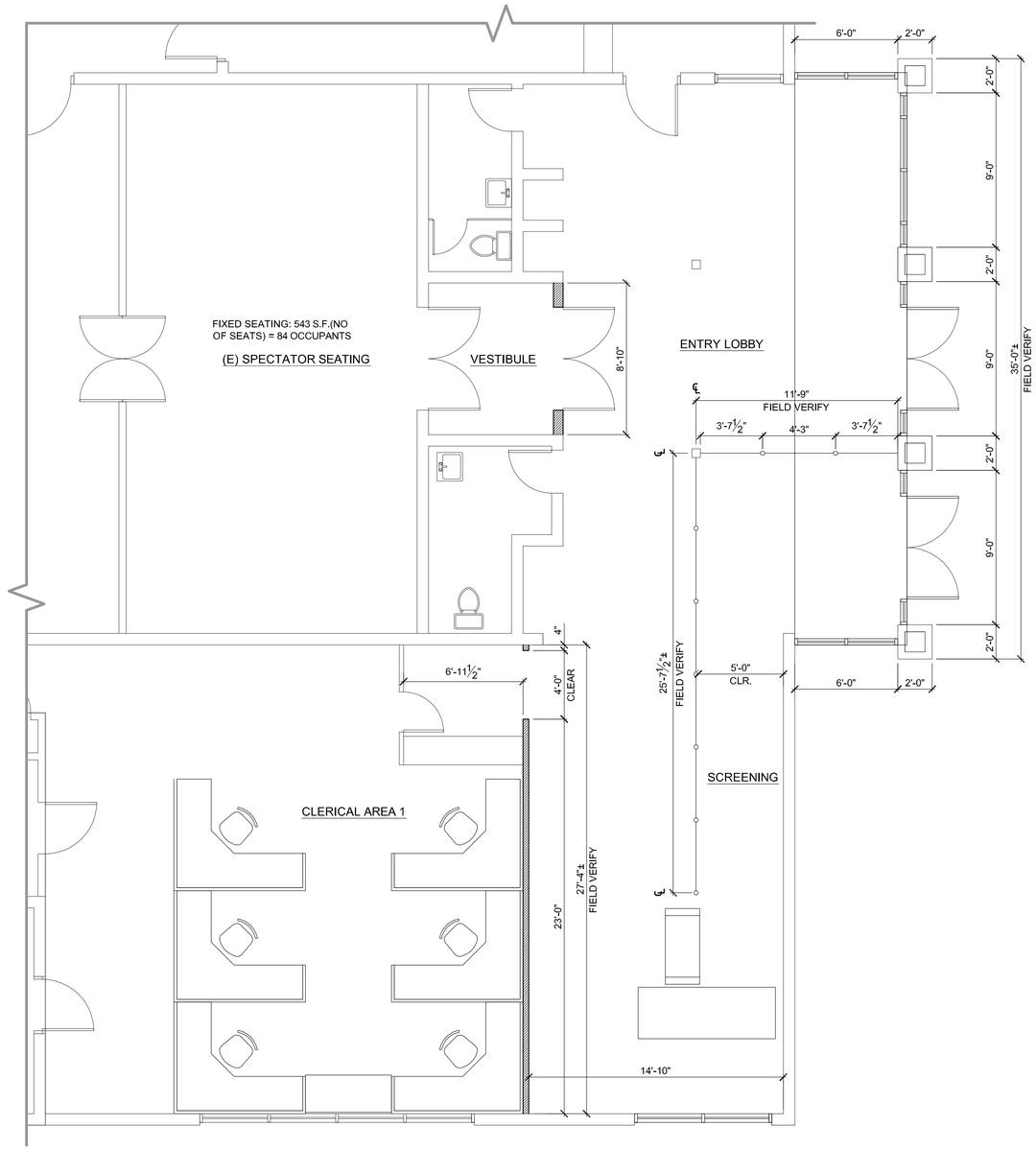
A2.1

NOTE

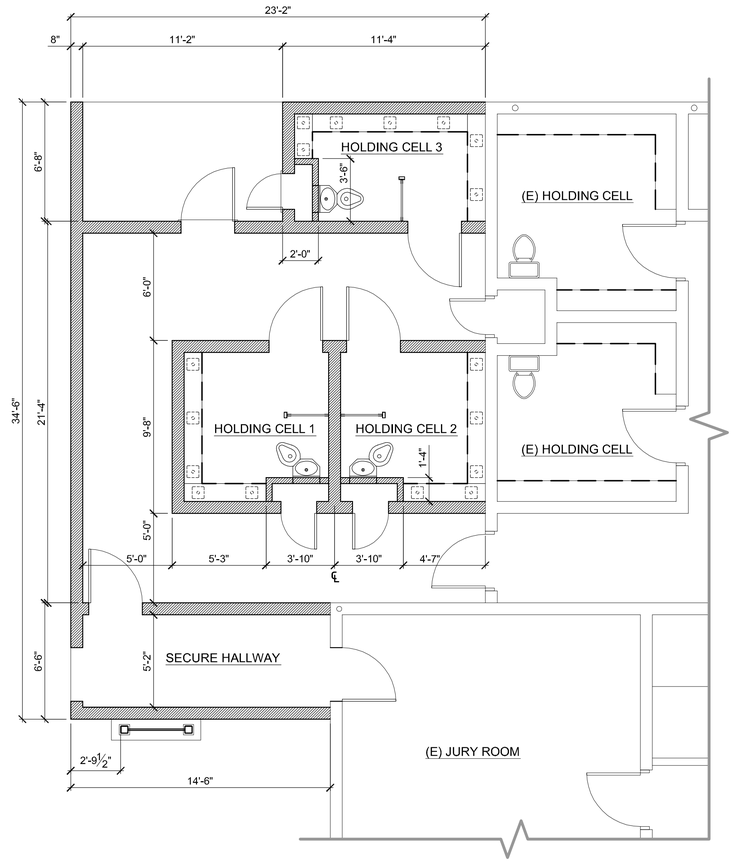
1. DIMENSIONS AT HOLDING CELL ADDITION ARE TO FACE OF CONCRETE BLOCK.



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



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

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C 9787
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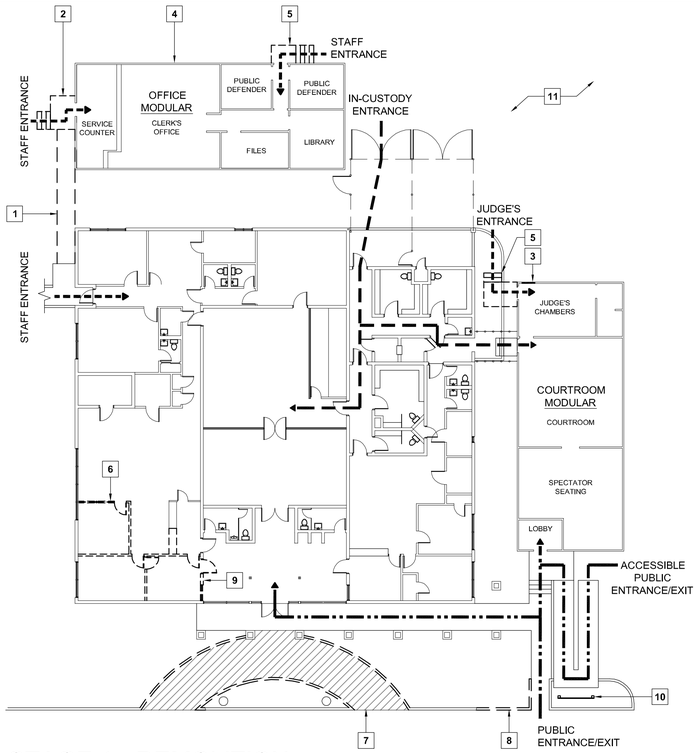
SHEET TITLE

PHASE I DIMENSIONED FLOOR PLAN

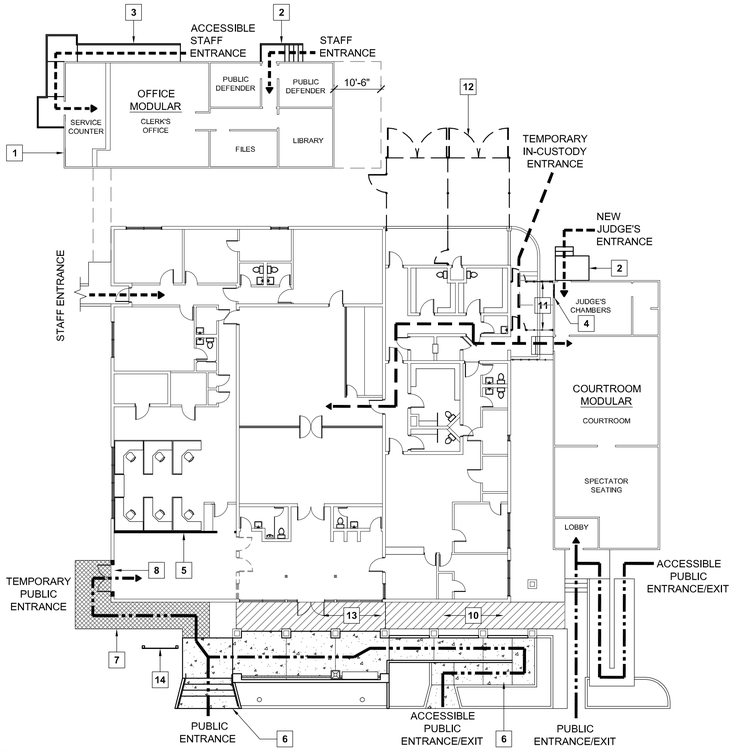
SHEET #

A2.2



STAGE 1 - DEMOLITION

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



STAGE 2 - TEMPORARY ACCESS

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

CIRCULATION LEGEND

- IN-CUSTODY SECURE PATH OF TRAVEL
- STAFF/SHERIFF PATH OF TRAVEL
- PUBLIC PATH OF TRAVEL

STAGING PLAN KEYNOTES

STAGE 1 - DEMOLITION

1. DEMOLISH EXISTING RAMP.
2. DEMOLISH EXISTING STAIRWAY AND LANDING.
3. INSTALL NEW DOOR.
4. RELOCATE EXISTING MODULAR BUILDING TOWARD LINCOLN ST.
5. RELOCATE AND RECONSTRUCT WOOD STAIRWAY AND LANDING.
6. DEMOLISH INTERIOR WALLS AND COUNTER AS INDICATED.
7. RE-ROUTE PUBLIC ACCESS TO EXISTING SIDE RAMP AND DEMOLISH EXISTING ENTRY RAMP AND SITE/RETAINING WALLS.
8. DEMOLISH PORTION OF RETAINING WALL AS REQUIRED FOR NEW RAMP.
9. DEMOLISH WALL AND INSTALL TEMPORARY BARRICADE.
10. INSTALL TEMPORARY PUBLIC DIRECTORY SIGN.
11. PERFORM SITE DEMOLITION TO REMOVE IRRIGATION PIPE.

STAGE 2 - TEMPORARY ACCESS

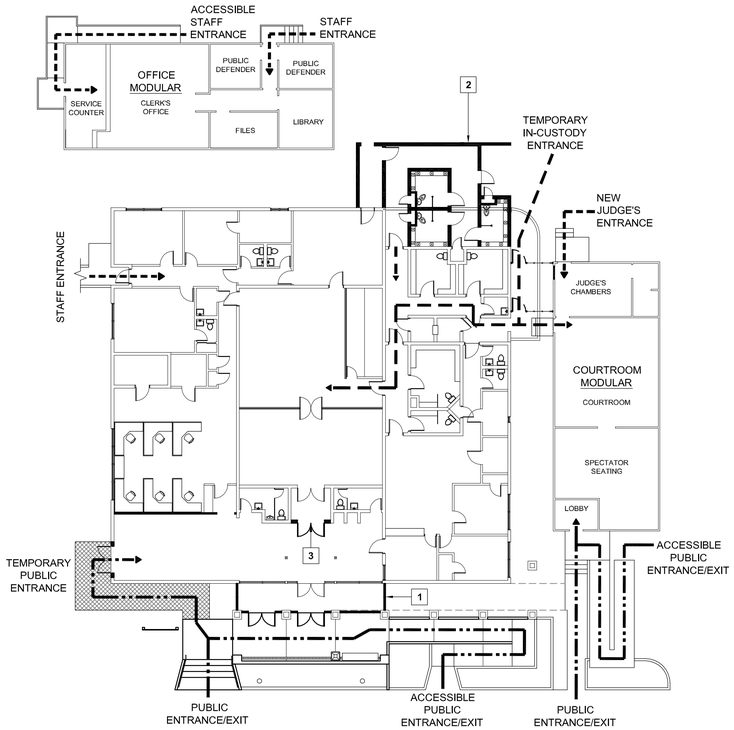
1. RELOCATED MODULAR OFFICE BUILDING.
2. RELOCATED STAIRWAY AND LANDING.
3. NEW RAMP AND LANDING.
4. INFILL DOOR OPENING.
5. BUILD NEW INTERIOR WALLS.
6. BUILD NEW PRIMARY PUBLIC ACCESS STAIRS AND RAMP.
7. INSTALL TEMPORARY ENTRY.
8. REMOVE EXISTING STOREFRONT AND INSTALL TEMPORARY PUBLIC ENTRANCE.
9. DEMOLISH PORTION OF EXISTING WALL.
10. DEMOLISH WALKWAY.
11. INSTALL NEW TEMPORARY CHAIN LINK SALLY PORT. INSTALL NEW GATE IN EXISTING FENCE.
12. DEMOLISH EXISTING SALLY PORT FENCING AND RE-ROUTE IN-CUSTODY ENTRANCE TO NEW TEMPORARY SALLY PORT.
13. DEMOLISH EXISTING LANDING AND POUR NEW LOBBY SLAB AND PERIMETER FOOTINGS.
14. INSTALL TEMPORARY PUBLIC DIRECTORY SIGN.

STAGE 3 - CONSTRUCTION

1. INSTALL NEW STOREFRONT.
2. BUILD HOLDING CELL ADDITION.
3. INSTALL NEW COURTROOM VESTIBULE DOORS.

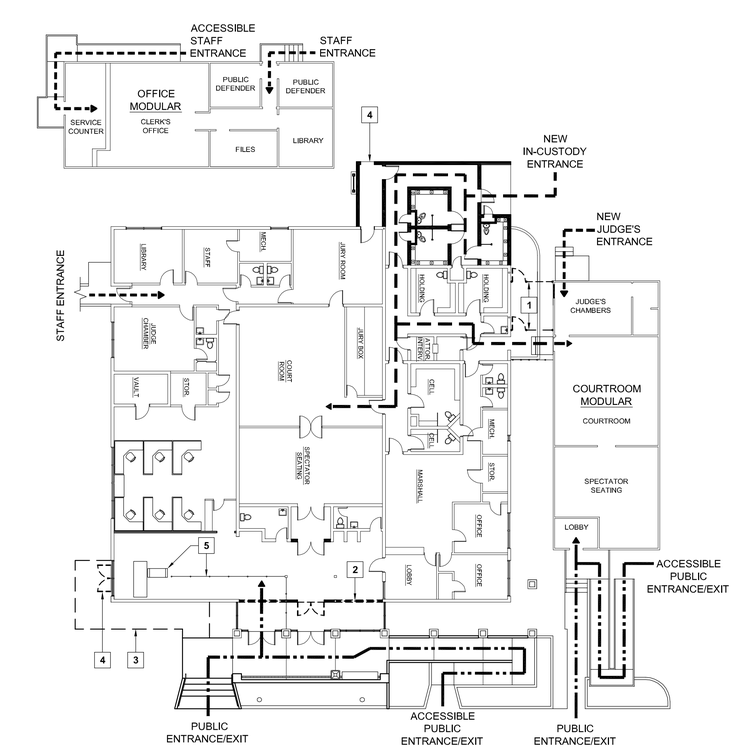
STAGE 4 - FINAL ACCESS

1. REMOVE TEMPORARY SALLY PORT / GATE AND RE-ROUTE IN-CUSTODY ENTRANCE TO NEW SALLY PORT.
2. DEMOLISH EXISTING STOREFRONT AND RE-ROUTE PUBLIC ACCESS TO NEW ENTRY/EXIT.
3. REMOVE TEMPORARY WALKWAY.
4. INSTALL TEMPORARY INFILL WALL PENDING PHASE II CONSTRUCTION.
5. INSTALL NEW SECURITY LINE EQUIPMENT/DIVIDERS.



STAGE 3 - CONSTRUCTION

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



STAGE 4 - FINAL ACCESS

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

PROJECT

SUPERIOR COURT OF CALIFORNIA
COUNTY OF SAN JOAQUIN

MANTECA BRANCH SITE AND BUILDING IMPROVEMENTS

PHASE 1

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PROJECT MANAGER BDF

DRAWN BY DL

DATES 05/05/11

SIGNED

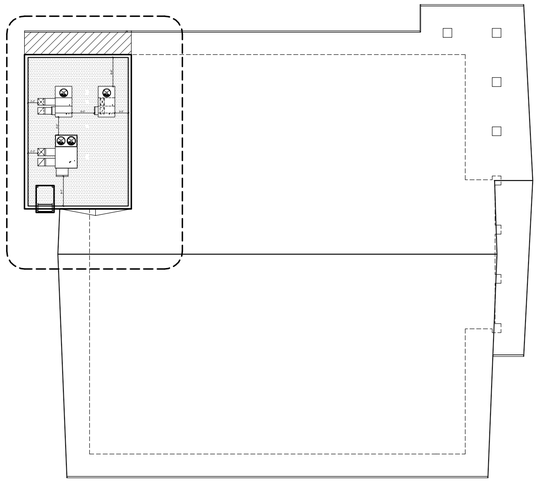
LICENSED ARCHITECT BRUCE DOUGLAS FRASER C 9787 EXPIRES 12-31-11 STATE OF CALIFORNIA

SHEET TITLE

PHASE I CONSTRUCTION AND RELOCATION STAGING PLAN

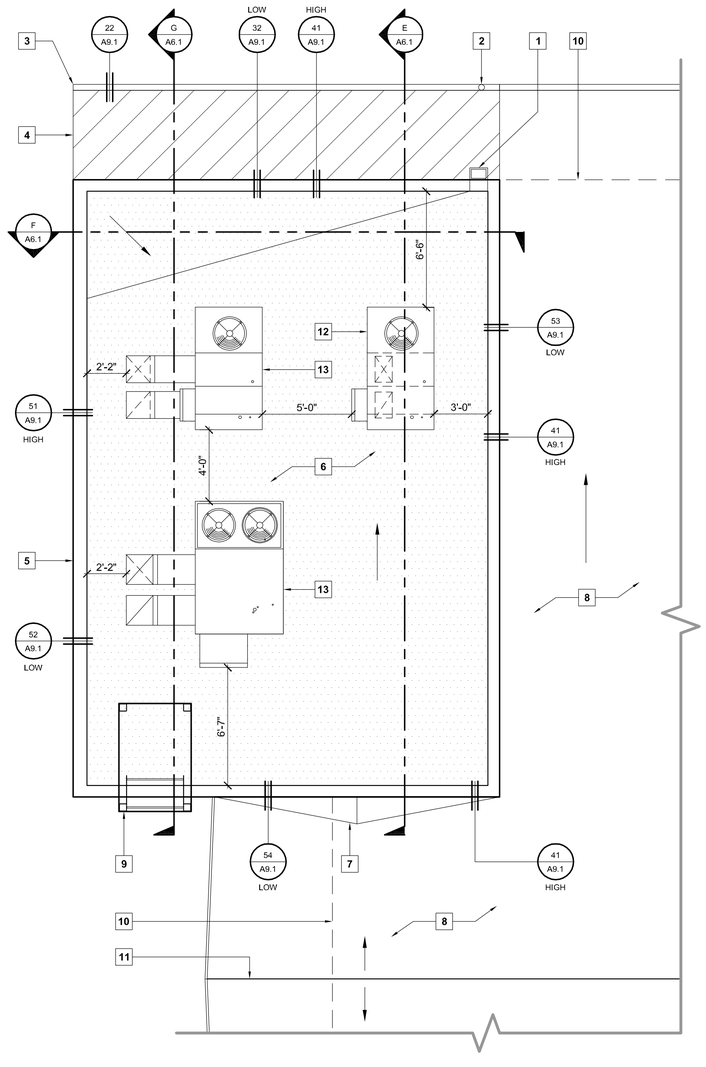
SHEET #

A2.3



PHASE I KEY PLAN

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



PHASE I ROOF PLAN - HOLDING CELL ADDITION

SCALE: 1/4" = 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 SINGE PLY ROOF TO REMAIN.
9. ROOF ACCESS LADDER / EQUIPMENT TOWER.
10. WALL BELOW.
11. EXISTING RIDGE.
12. PHASE I CURB MOUNTED HVAC UNIT.
13. PHASE II CURB MOUNTED HVAC UNITS. UNIT CURBS TO BE INSTALLED DURING PHASE I.

PROJECT

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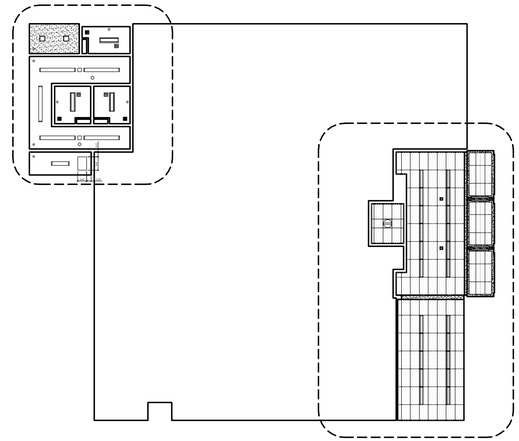
SHEET TITLE

PHASE I
ROOF PLAN

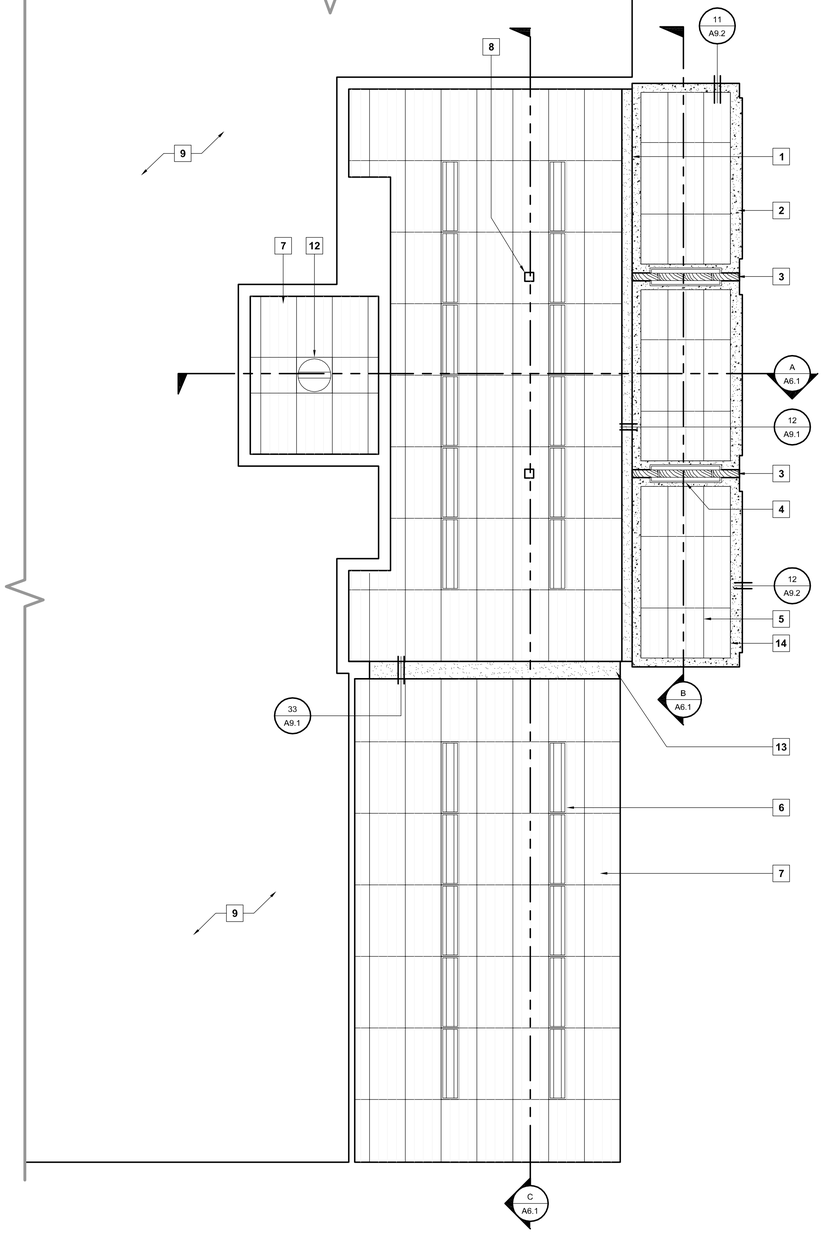
SHEET # **A3.1**

KEYNOTES

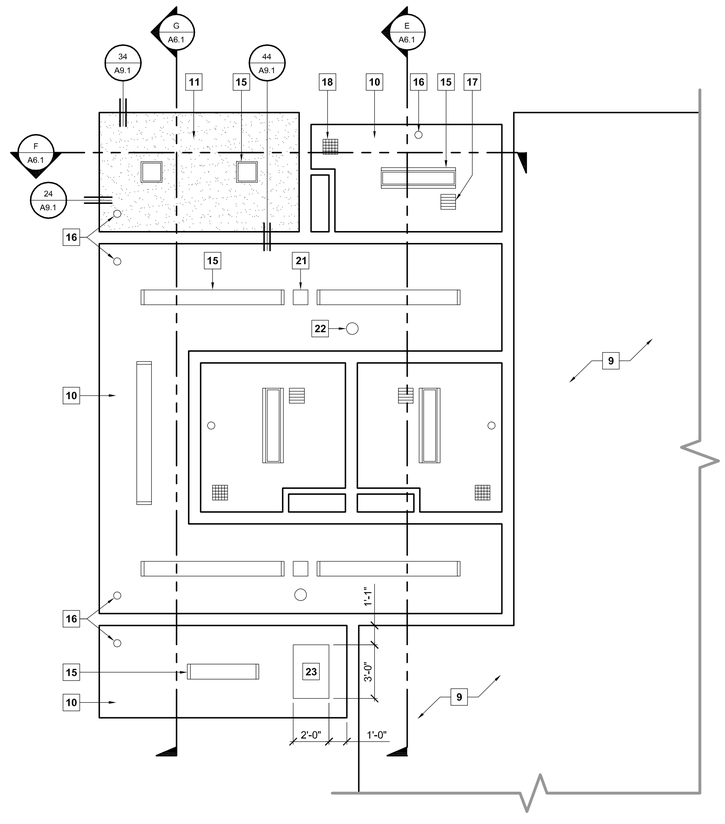
1. NEW PAINTED DRYWALL SOFFIT AT 10'-0".
2. EXISTING PLASTER SOFFIT.
3. EXISTING EXPOSED WOOD BEAMS.
4. NEW SUSPENDED INDIRECT FLUORESCENT LIGHT FIXTURE AT +8'-6".
5. NEW SUSPENDED ACOUSTIC TILE CEILING, MATCH SLOPE OF PLASTER SOFFIT.
6. 1' x 4' RECESSED INDIRECT FLUORESCENT LIGHT FIXTURES.
7. NEW SUSPENDED 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 - LOBBY
SCALE: 1/4" = 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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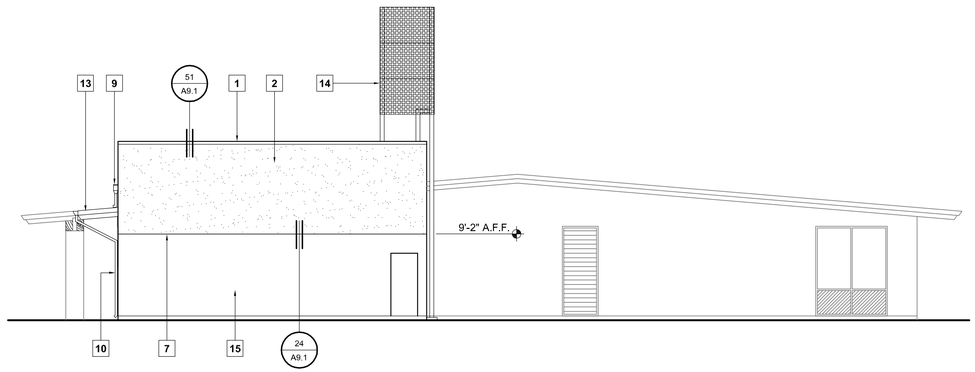
STATE OF CALIFORNIA

SHEET TITLE

PHASE I REFLECTED CEILING PLAN

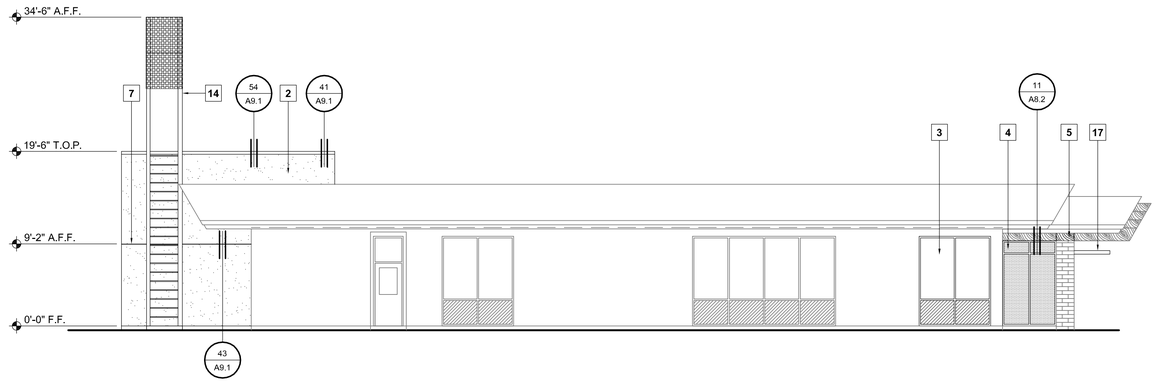
SHEET #

A4.1



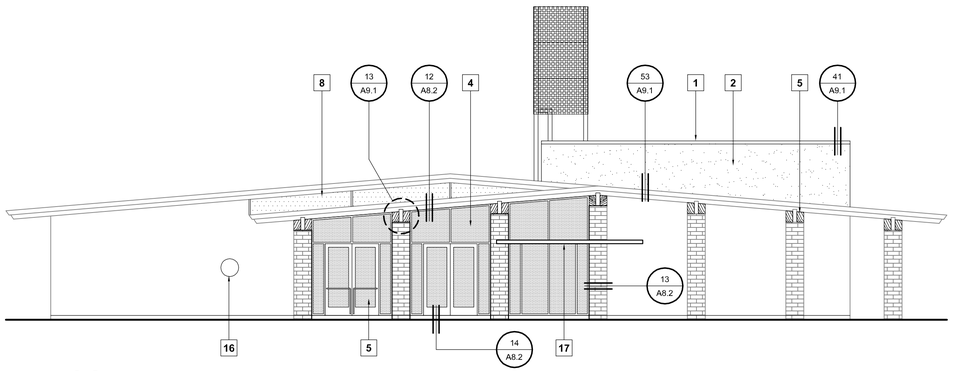
NORTH

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



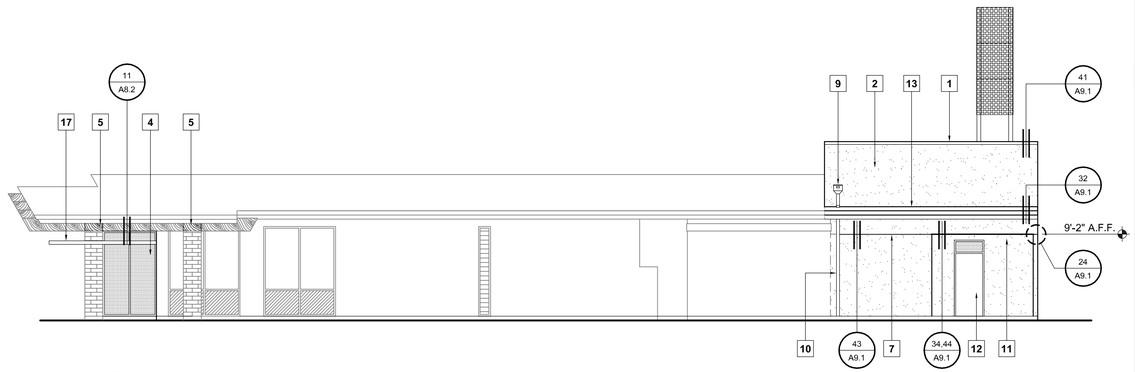
WEST

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 **31 & 42 / A9.2**.
10. NEW DOWNSPOUT TO GRADE.
11. PLASTER SOFFIT.
12. NEW DOOR.
13. NEW ROOF TO MATCH ADJACENT.
14. ROOF ACCESS LADDER / EQUIPMENT TOWER WITH PERFORATED METAL PANELS.
15. CONCRETE BLOCK WALL WITH ACRYLIC BLOCK FILL PRIMER AND ELASTOMERIC PAINT. PLASTER SHALL BE ADDED TO EXPOSED AREA OF WALL DURING THE CONSTRUCTION OF PHASE 2.
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

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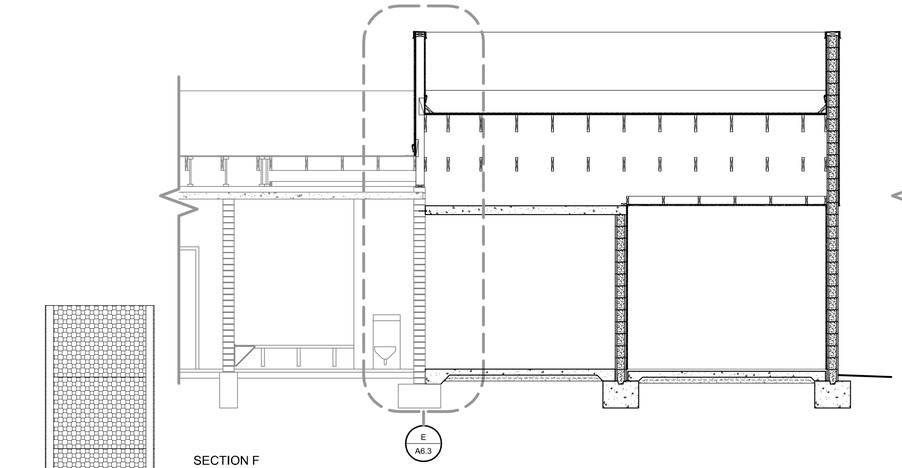
SHEET TITLE

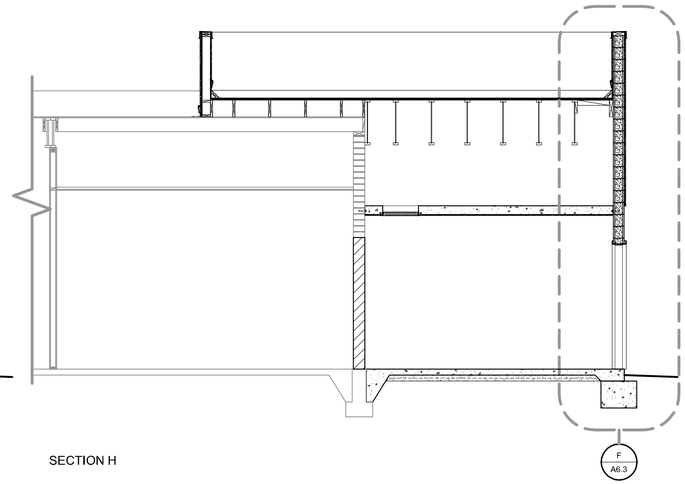
PHASE I
EXTERIOR
ELEVATIONS

SHEET #

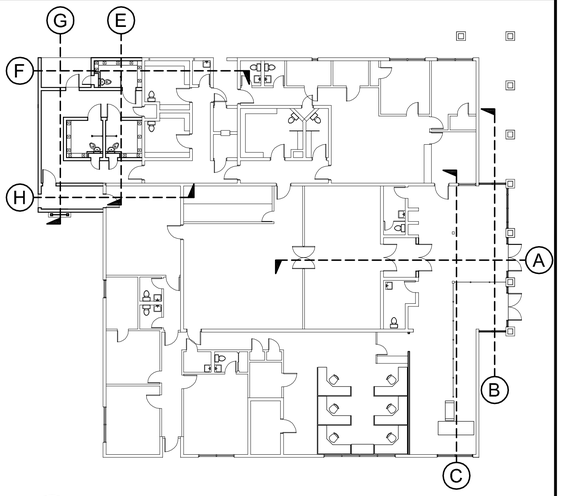
A5.1



SECTION F

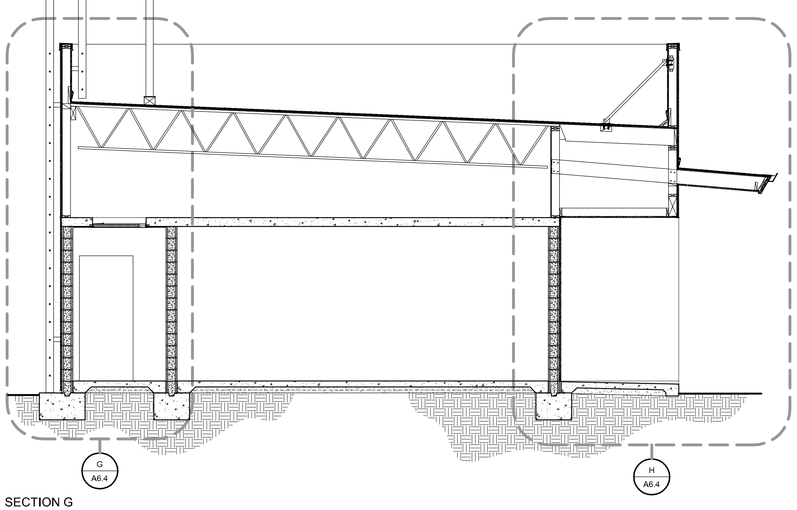


SECTION H

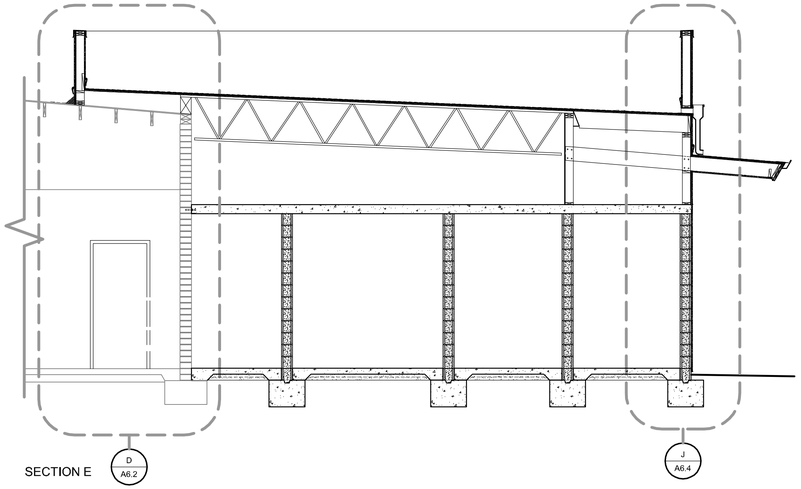


PHASE I KEY PLAN

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



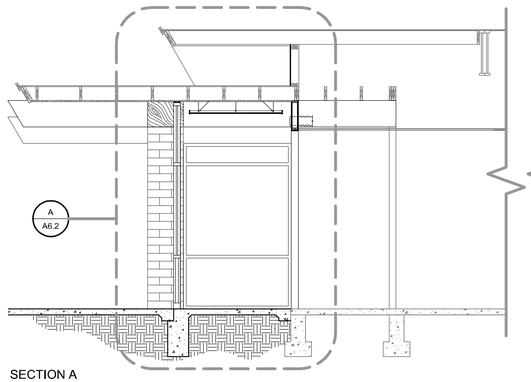
SECTION G



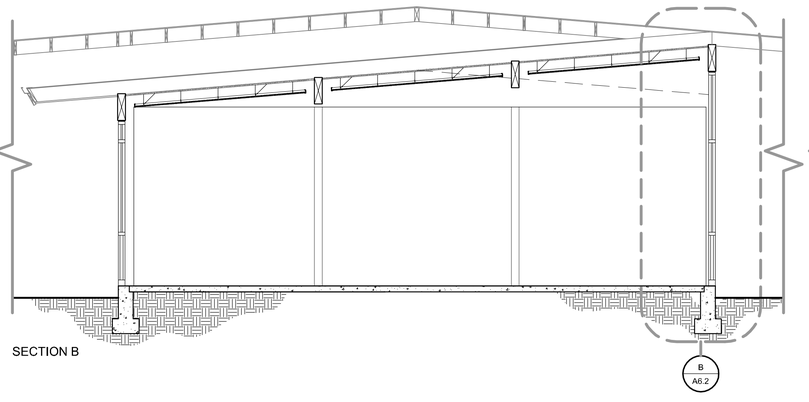
SECTION E

53 PHASE I BUILDING SECTIONS - HOLDING CELL ADDITION

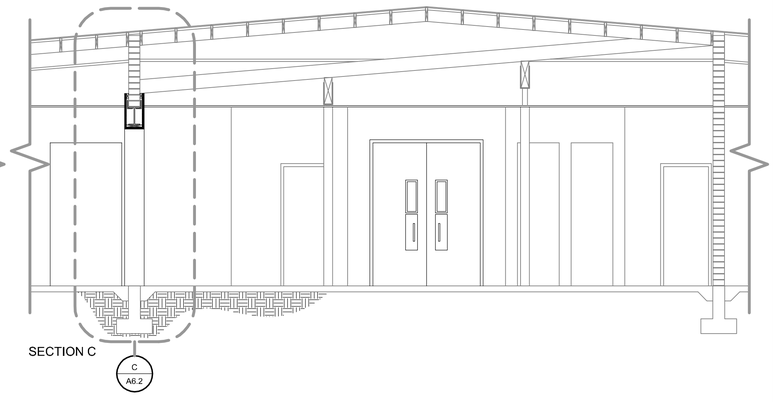
SCALE: 1/4" = 1'-0"



SECTION A



SECTION B



SECTION C

54 PHASE I BUILDING SECTIONS - 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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DATES 05/05/11

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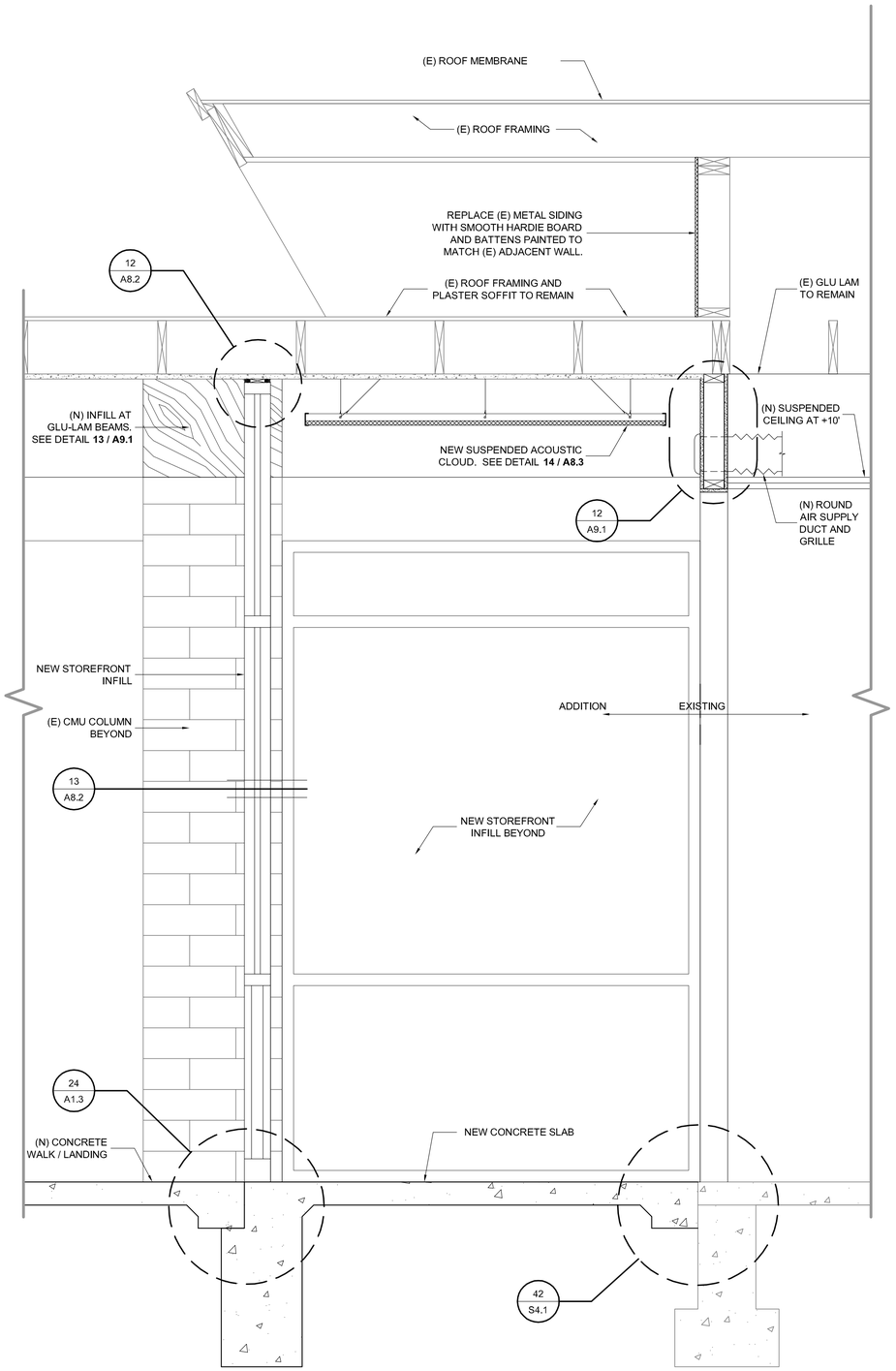
STATE OF CALIFORNIA

SHEET TITLE

PHASE I BUILDING SECTIONS

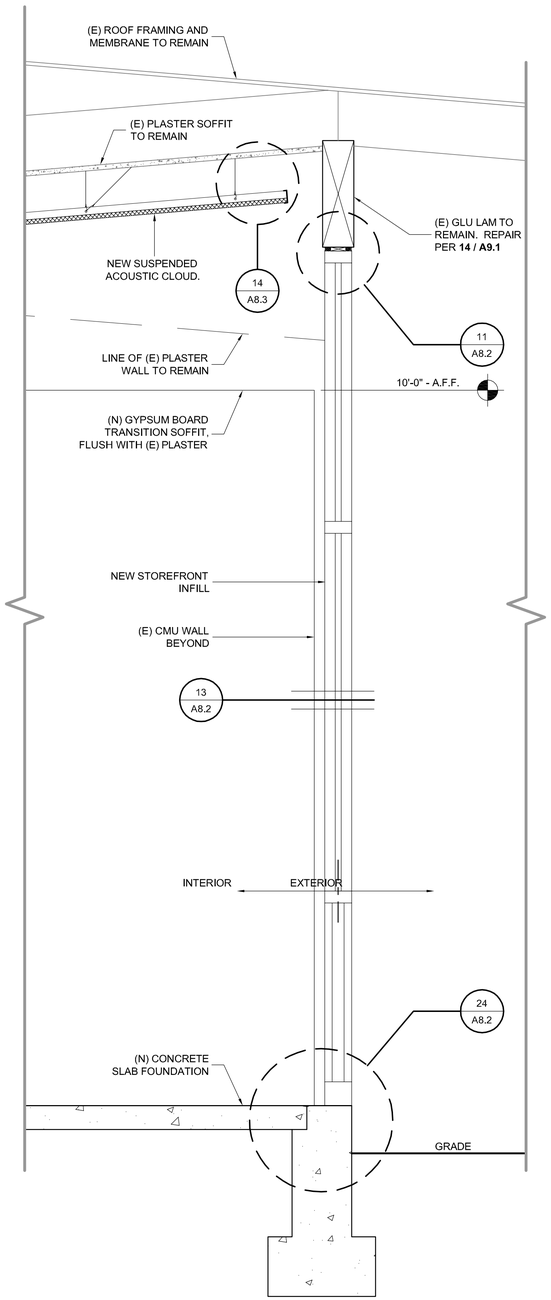
SHEET #

A6.1



54 SECTION A

SCALE: 1" = 1'-0"



34 SECTION B

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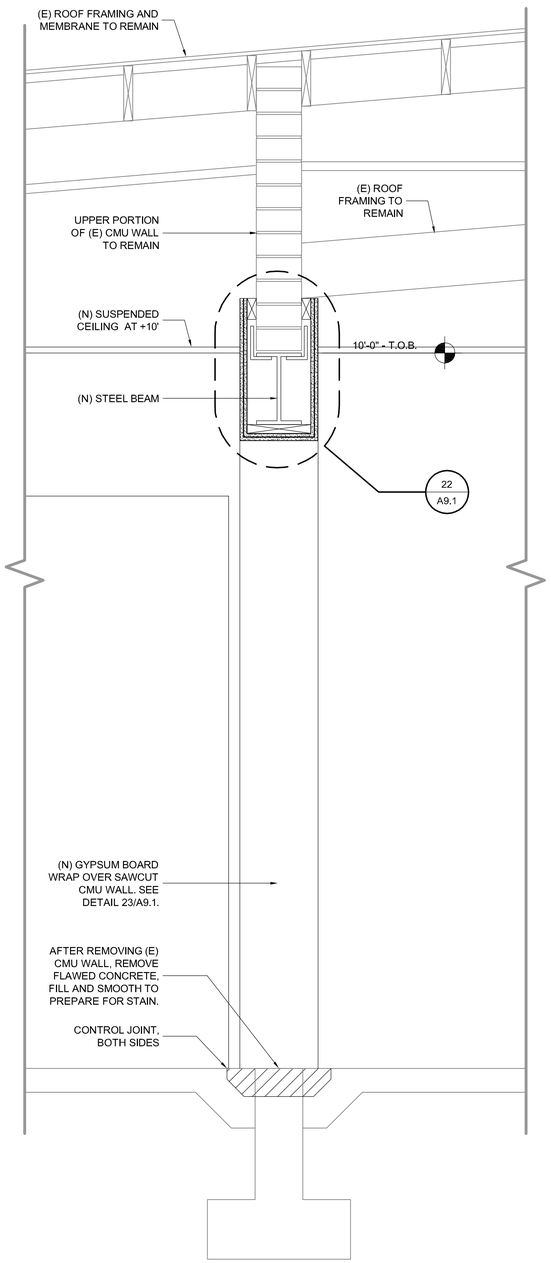

14 SECTION C

SCALE: 1" = 1'-0"

PROJECT

SUPERIOR COURT OF CALIFORNIA
COUNTY OF SAN JOAQUIN

MANTECA BRANCH SITE AND BUILDING IMPROVEMENTS

PHASE 1

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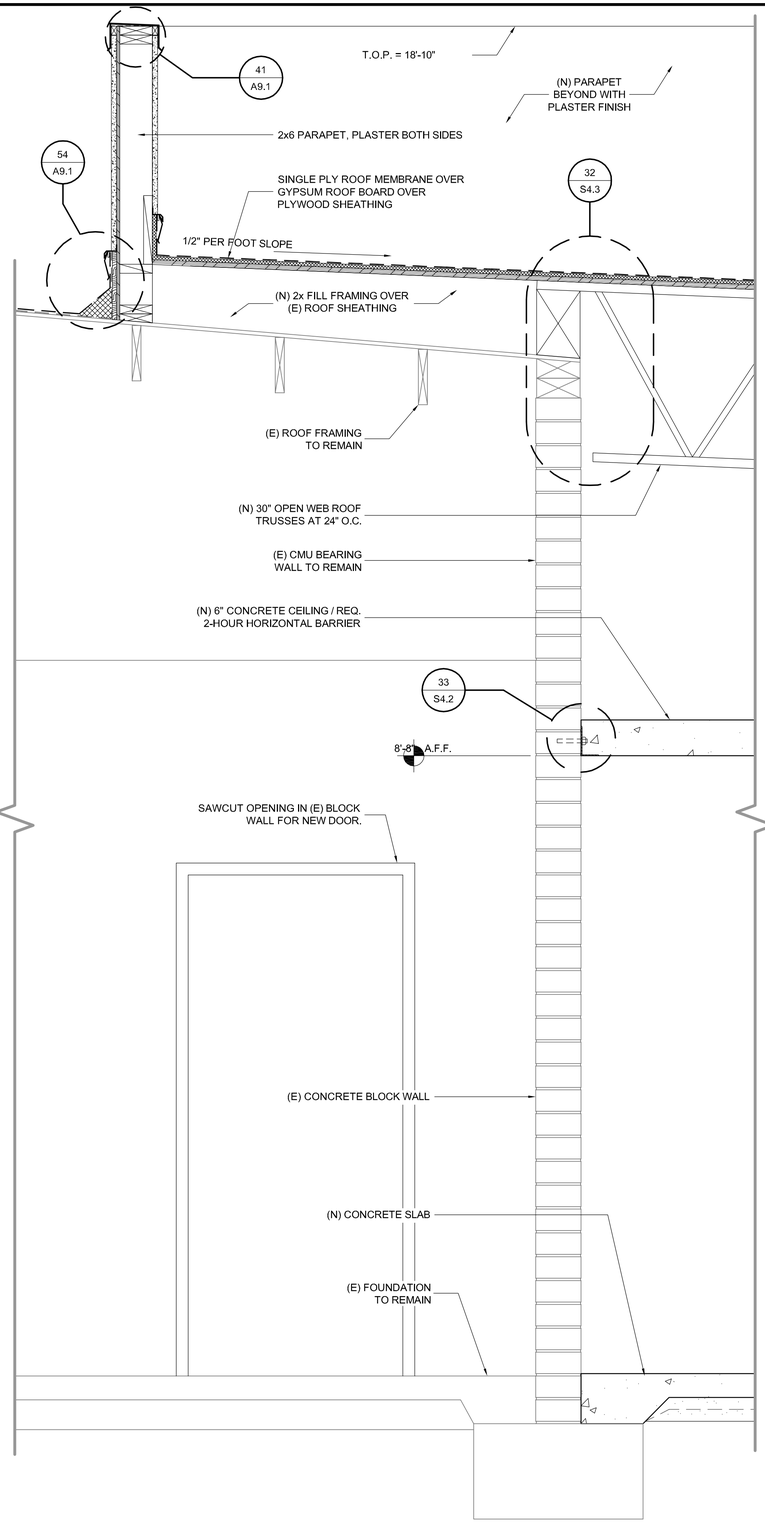
SHEET TITLE

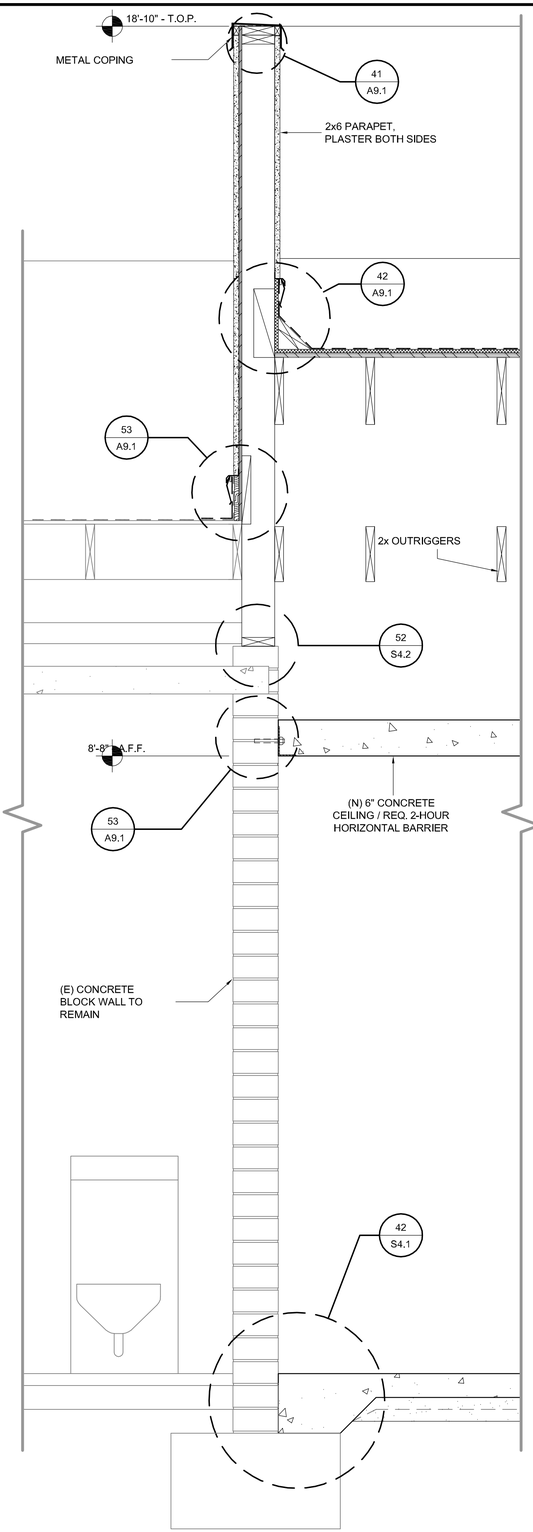
PHASE I
WALL SECTIONS

SHEET #

A6.2



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



34 SECTION E
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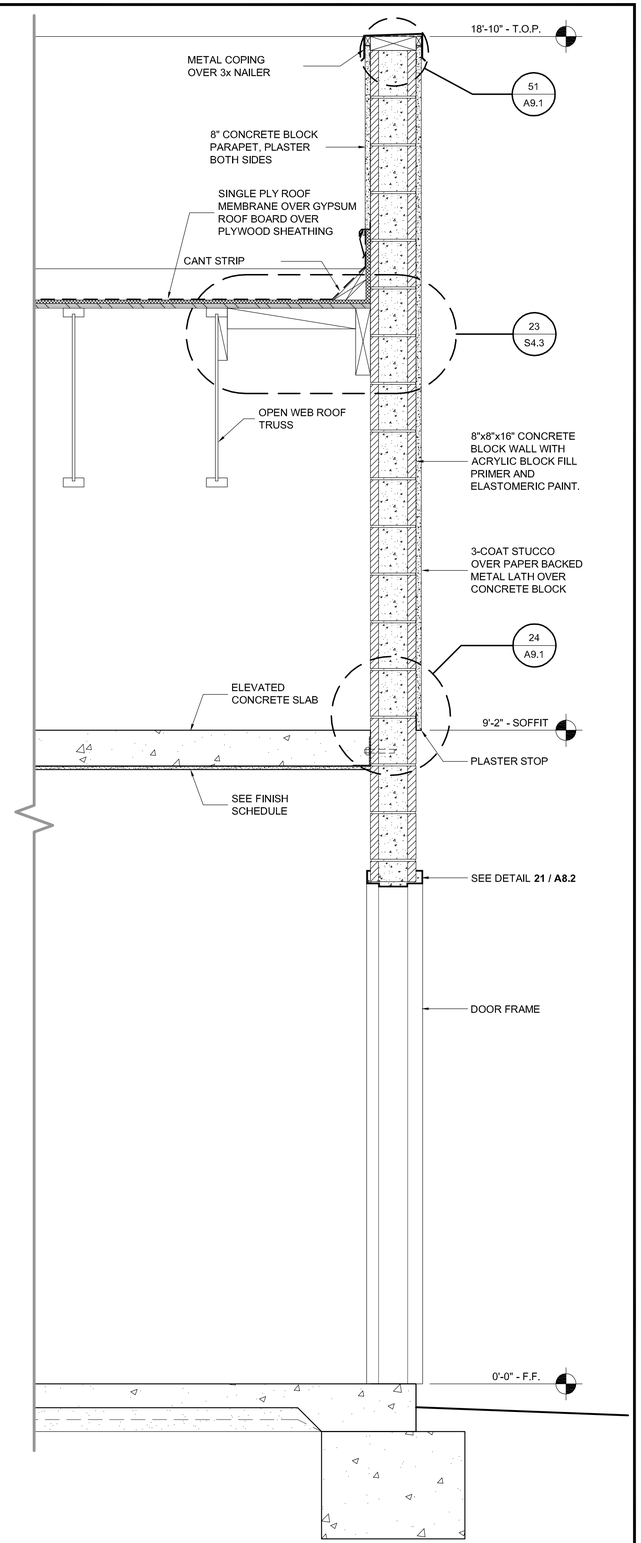

14 SECTION F
SCALE: 1" = 1'-0"

PROJECT

SUPERIOR COURT OF CALIFORNIA
COUNTY OF SAN JOAQUIN

MANTECA BRANCH SITE AND BUILDING IMPROVEMENTS

PHASE 1

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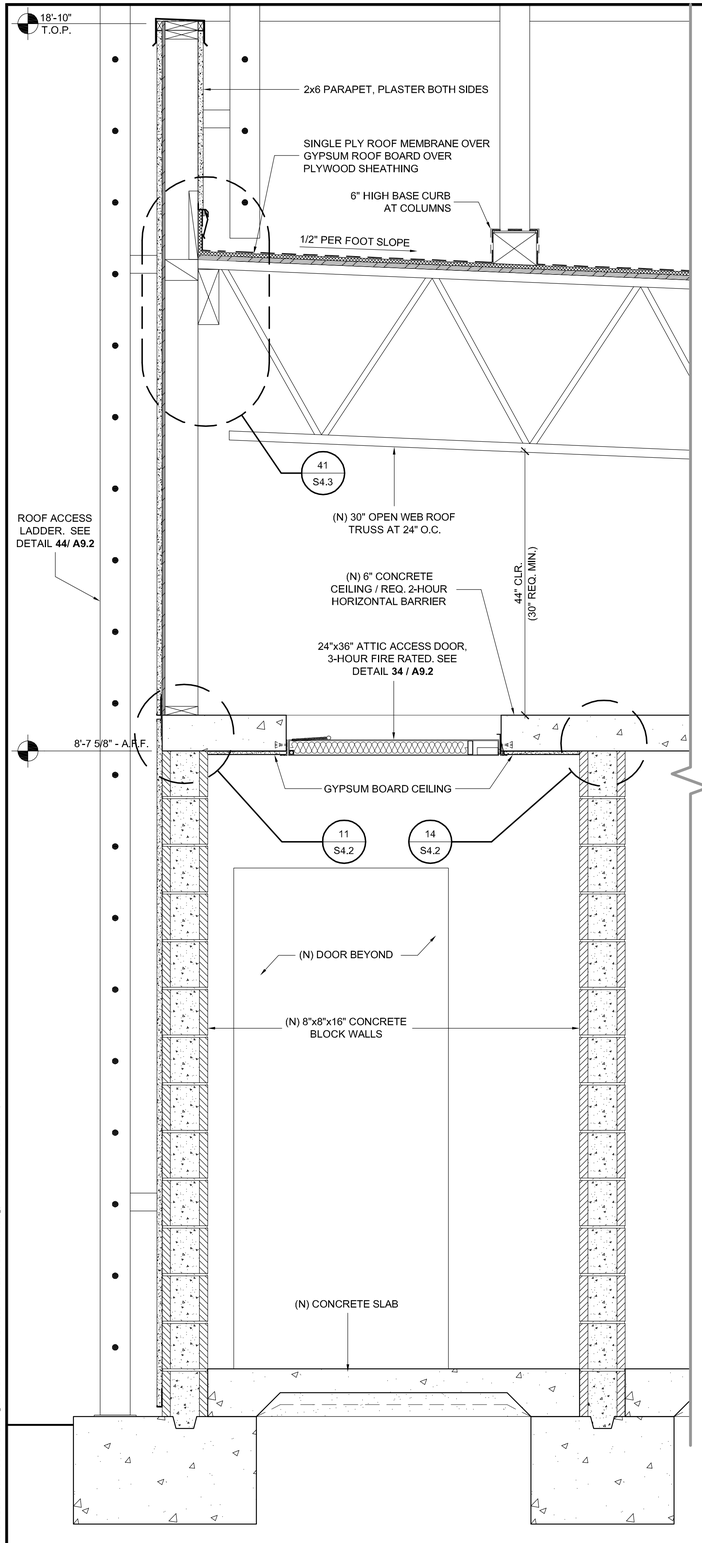
SHEET TITLE

PHASE I
WALL SECTIONS

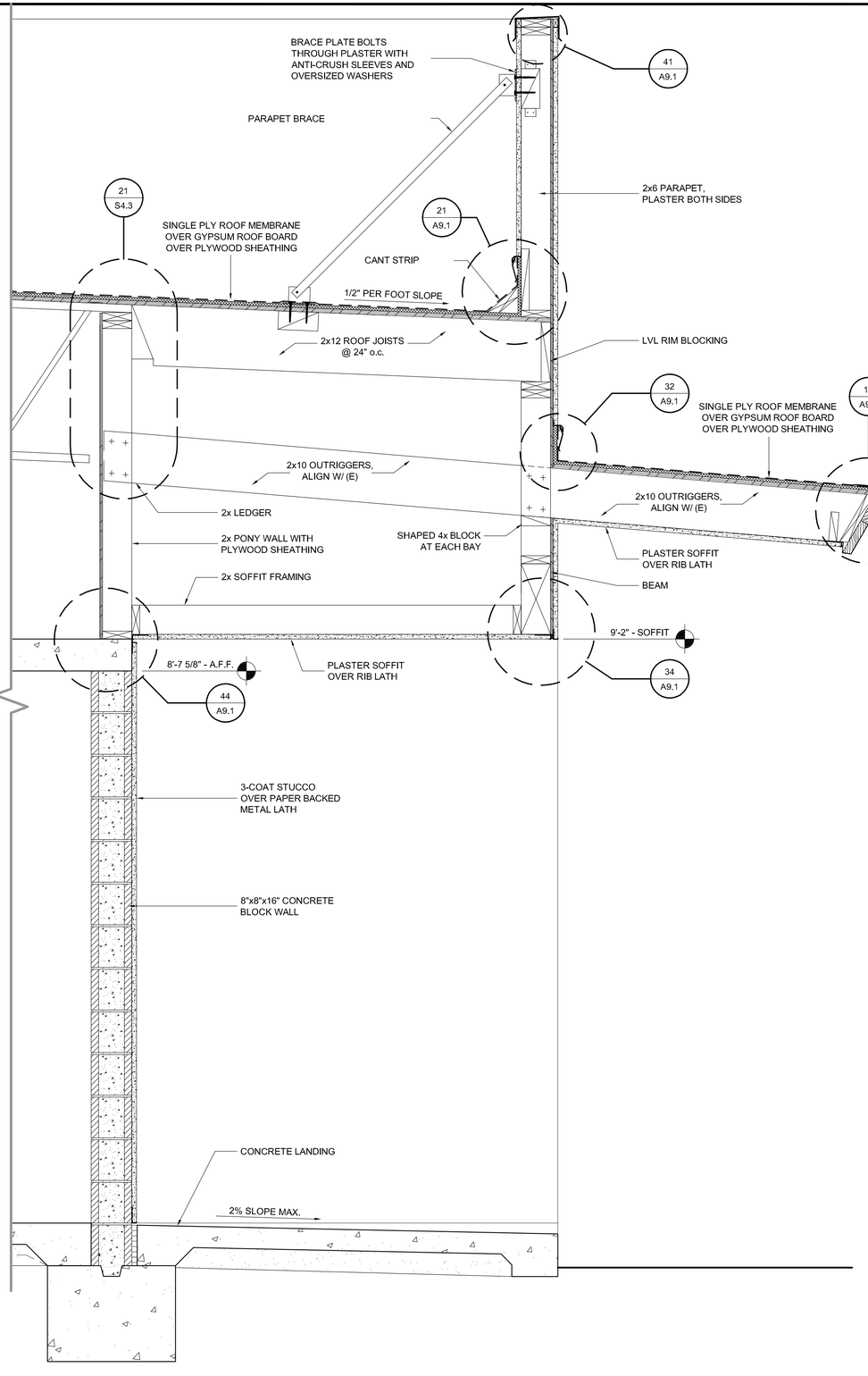
SHEET #

A6.3



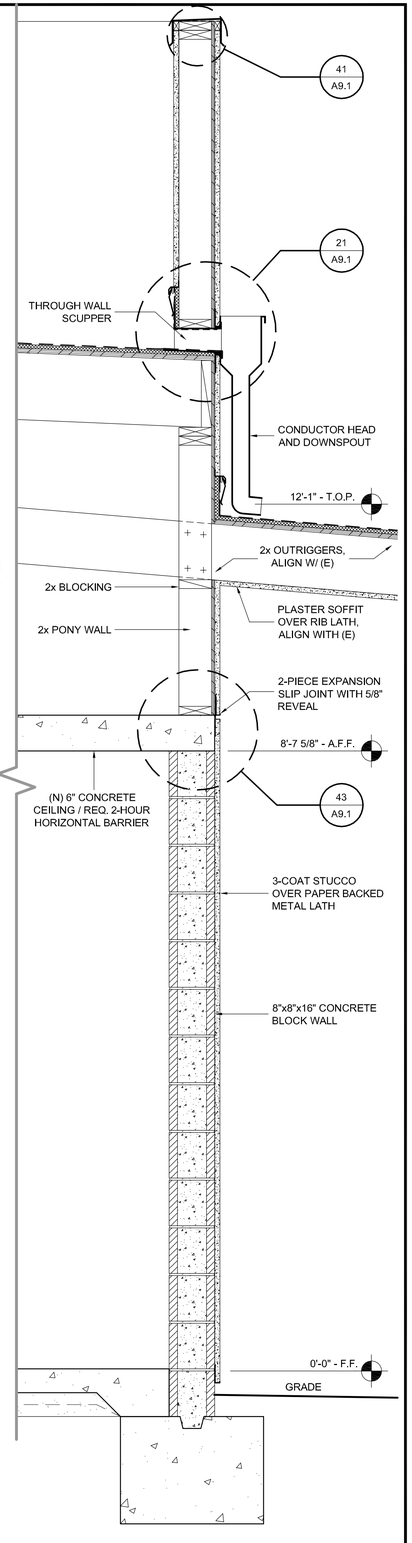
54 SECTION G

SCALE: 1" = 1'-0"



44 SECTION H

SCALE: 1" = 1'-0"



14 SECTION J

SCALE: 1" = 1'-0"

PROJECT

SUPERIOR COURT OF CALIFORNIA
COUNTY OF SAN JOAQUIN

MANTECA BRANCH SITE AND BUILDING IMPROVEMENTS

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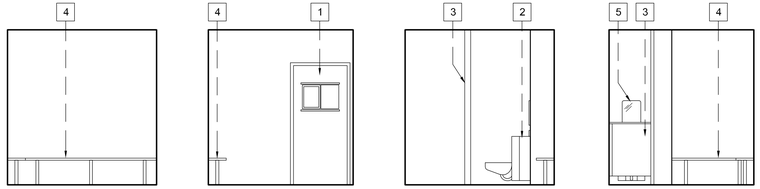
SHEET TITLE

PHASE I
WALL SECTIONS

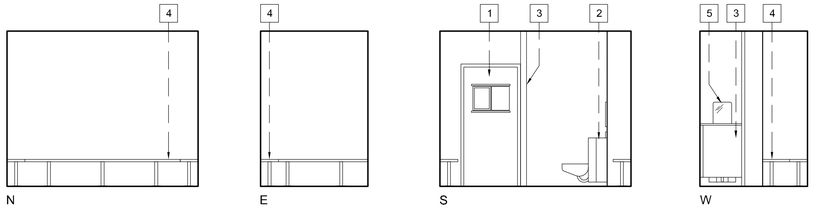
SHEET #

A6.4



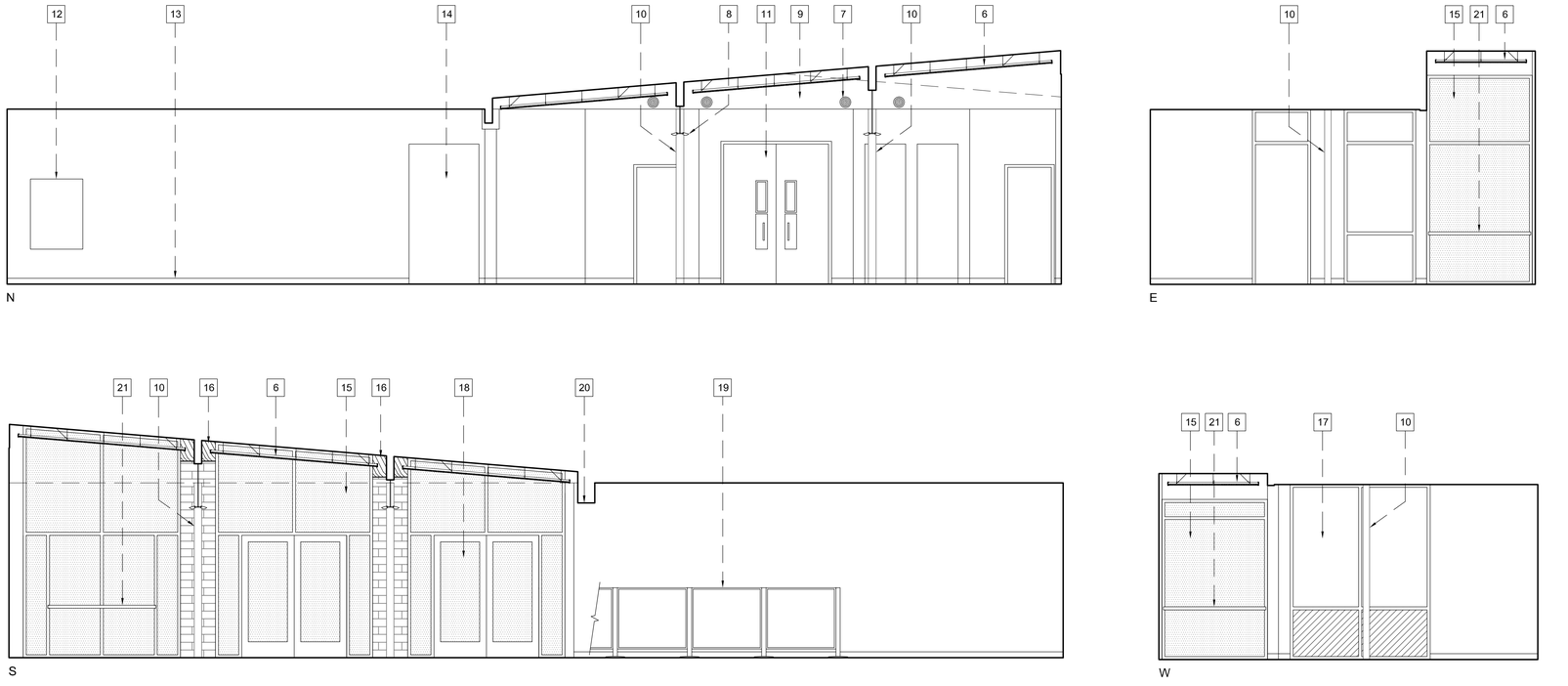
41 HOLDING CELL 1, CELL 2 (SIM.)

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



42 HOLDING CELL 3

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



44 LOBBY

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

INTERIOR ELEVATION KEYNOTES

1. 3070 SOLID CORE STEEL DOOR
2. "COMBY" TOILET / SINK / BUBBLER
3. STAINLESS STEEL PRIVACY SCREEN
4. STAINLESS STEEL 12" FLOOR MTD. BENCH
5. 12-1/2"W X 16-1/2" H STAINLESS STL. MIRROR
6. SUSPENDED ACOUSTIC CEILING TILES.
7. ROUND SUPPLY AIR GRILLE.
8. SUSPENDED INDIRECT LIGHT FIXTURE CENTERED ON BEAM.
9. NEW SOFFIT WALL.
10. EXISTING STEEL COLUMN TO REMAIN.
11. NEW DOORS TO COURTROOM VESTIBULE.
12. DIRECTORY SIGN LOCATION.
13. 4" BASE, TYP.
14. 4' WIDE x 8' HIGH OPENING.
15. NEW STOREFRONT.
16. NEW INFILL BLOCKING AT EXISTING GLU-LAM BEAMS. SEE DETAIL 13/A9.1.
17. STOREFRONT REPLACED AFTER REMOVAL OF TEMPORARY DOORS.
18. NEW STOREFRONT DOORS.
19. BARRICADE WITH 48" POSTS AND 48" W x 42" H PANELS.
20. NEW PAINTED GYPSUM BOARD SOFFIT.
21. GLAZING PROTECTION BAR MOUNTED TO STOREFRONT AT 36" A.F.F.

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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PROJECT MANAGER BDF

DRAWN BY DL

DATES 05/05/11

SIGNED

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

SHEET TITLE

PHASE I
INTERIOR
ELEVATIONS

SHEET #

A7.1

DOOR SCHEDULE

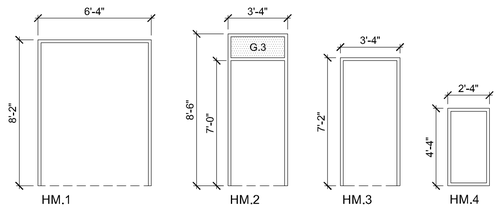
NO.	TYPE	FRAME	WIDTH	HT.	THICK.	HDWRE.	REMARKS
1.1	AL.1	S.1	6'-0"	8'-0"	-	1	STOREFRONT ENTRY PAIR, SAFETY G.2 GLAZING
1.2	AL.1	S.2	6'-0"	8'-0"	-	2	STOREFRONT ENTRY PAIR, SAFETY G.2 GLAZING
1.3	WD.1	HM.1	3'-0"	8'-0"	1-3/4"	3	PASSAGE PAIR, SAFETY G.4 GLAZING
1.4	SD.1	HM.3	3'-0"	7'-0"	1-3/4"	4	PASSAGE, SAFETY G.4 GLAZING, 45 MIN. RATED
1.5	-	HM.3	3'-0"	7'-0"	1-3/4"	5	FRAME ONLY, 90 MIN. RATED, DOOR TO BE INSTALLED IN PHASE II
1.6	WD.2	HM.3	3'-0"	7'-0"	1-3/4"	6	PASSAGE, 90 MIN. RATED
1.7	SD.2	HM.3	3'-0"	7'-0"	1-3/4"	7	DETENTION CELL DOOR, SAFETY G.3 GLAZING
1.8	SD.2	HM.3	3'-0"	7'-0"	1-3/4"	7	DETENTION CELL DOOR, SAFETY G.3 GLAZING
1.9	SD.2	HM.3	3'-0"	7'-0"	1-3/4"	7	DETENTION CELL DOOR, SAFETY G.3 GLAZING
1.10	WD.3	HM.4	2'-0"	4'-0"	1-3/4"	8	CHASE ACCESS DOOR
1.11	WD.3	HM.4	2'-0"	4'-0"	1-3/4"	9	CHASE ACCESS DOOR
1.12	WD.3	HM.4	2'-0"	4'-0"	1-3/4"	9	CHASE ACCESS DOOR
1.13							EXISTING DOOR, FRAME TO REMAIN
1.14	SD.3	HM.2	3'-0"	7'-0"	1-3/4"	10	ENTRY / EXIT WITH SAFETY G.3 GLAZING TRANSOM ABOVE

GENERAL DOOR NOTES

1. THE UNLATCHING OF ANY EXIT DOOR SHALL NOT REQUIRE MORE THAN ONE OPERATION.
2. ALL EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE.
3. HC ACCESSIBLE DOOR HARDWARE SHALL BE CENTERED BETWEEN 30 AND 44 INCHES ABOVE 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.
4. INTERIOR AND EXTERIOR THRESHOLDS SHALL BE NO HIGHER THAN 1/2 INCH ABOVE ADJACENT FLOOR LEVELS. HC ACCESSIBLE THRESHOLDS SHALL BE REQUIRED TO BE SLOPED A MINIMUM OF 2 HORIZONTAL TO 1 VERTICAL SO THAT NO VERTICAL CHANGE OF ELEVATION EXCEEDS 1/4 INCH.
5. ON DOORS THAT HAVE CLOSERS, THE DOOR CLOSER PRESSURE SHALL NOT EXCEED 5 POUNDS FOR INTERIOR DOORS AND 8.5 POUNDS FOR EXTERIOR DOORS.
6 THE BOTTOM 10 INCHES OF ALL HC ACCESSIBLE DOORS SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST.
7. ALL GLAZING IN DOORS SHALL BE TEMPERED.

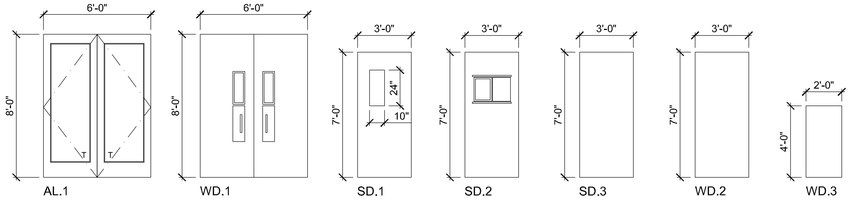
LEGEND

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"

FINISH SCHEDULE

ROOM NAME	FLOOR	BASE	WALLS	CEILING
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	CONC.4
NEW HOLDING CELL 2	CONC.2	-	CB.1	CONC.4
NEW HOLDING CELL 3	CONC.2	-	CB.1	CONC.4
HOLDING CELL HALLWAY	CONC.2	-	CB.2	CONC.4
SECURE HALLWAY	RF.1	RB.1	CB.2	GB.3

FINISH LEGEND

TYPE	FLOOR
CONC.1	STAINED CONCRETE
CONC.2	EPOXY FINISHED CONCRETE
RF.1	12"x12" VINYL COMPOSITION TILE (1 FIELD COLOR; 2 ACCENT COLORS)

	BASE
RB.1	4" COVED RESILIENT WALL BASE

	WALLS
CB.1	EPOXY FINISHED CONCRETE BLOCK
CB.2	PAINTED CONCRETE BLOCK
GB.1	GYPSUM BOARD, LOW TEXTURE, SATIN PAINT

	CEILING
AT.1	SUSPENDED ACOUSTIC TILE
CONC.4	SEALED CONCRETE, EPOXY FINISH
GB.3	GYPSUM BOARD, LOW TEXTURE, SATIN PAINT

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

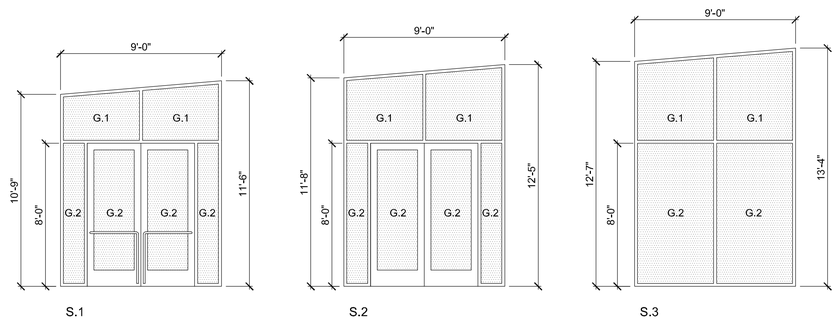
GENERAL NOTES

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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DRAWN BY DL

DATES 05/05/11

SIGNED

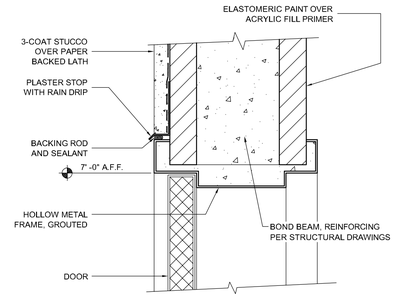
LICENSED ARCHITECT BRUCE DOUGLAS FRASER C 9787 EXPIRES 12*31*11 STATE OF CALIFORNIA

SHEET TITLE

PHASE I SCHEDULES

SHEET #

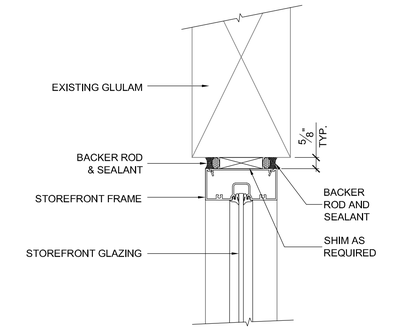
A8.1



DOOR HEAD

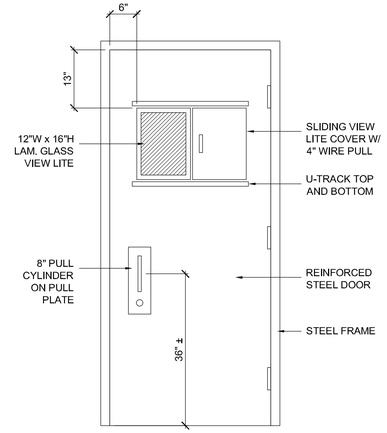
3"=1'- 0"

D087008D



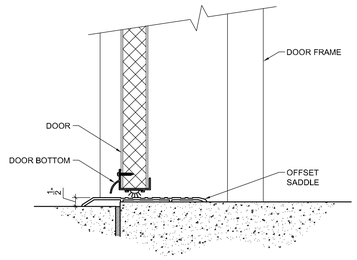
11 STOREFRONT HEAD

3"= 1' -0"



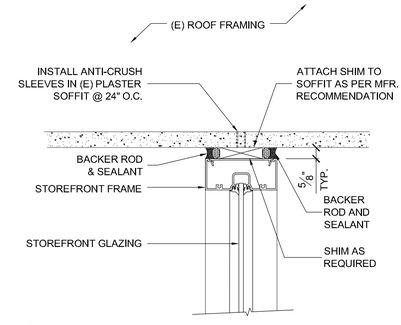
32 CELL DOOR ELEVATION

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



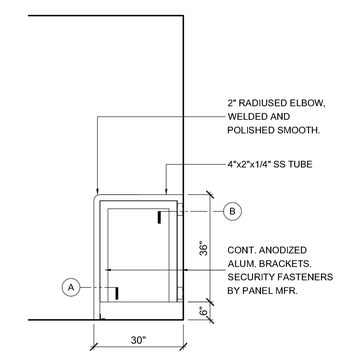
22 DOOR THRESHOLD

3"= 1'- 0"



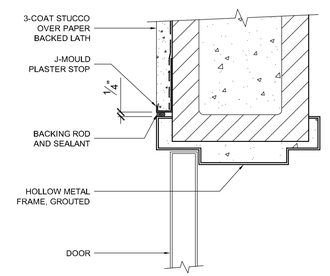
12 STOREFRONT HEAD

3"= 1' -0"



ELEVATION

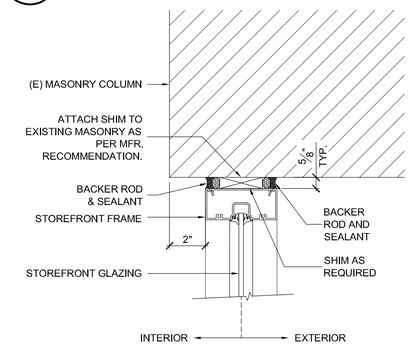
1/2" = 1'-0"



23 DOOR JAMB

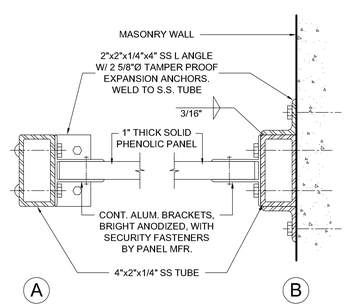
3"=1'- 0"

D087008D



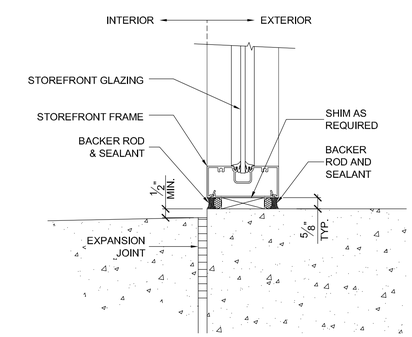
13 STOREFRONT JAMB

3"= 1' -0"



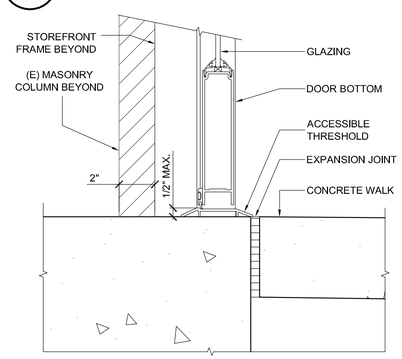
34 PRIVACY SCREEN

SCALE : AS NOTED



24 STOREFRONT SILL

3"= 1' -0"



14 STOREFRONT THRESHOLD

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

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PROJECT MANAGER BDF

DRAWN BY DL

DATES 05/05/11

SIGNED

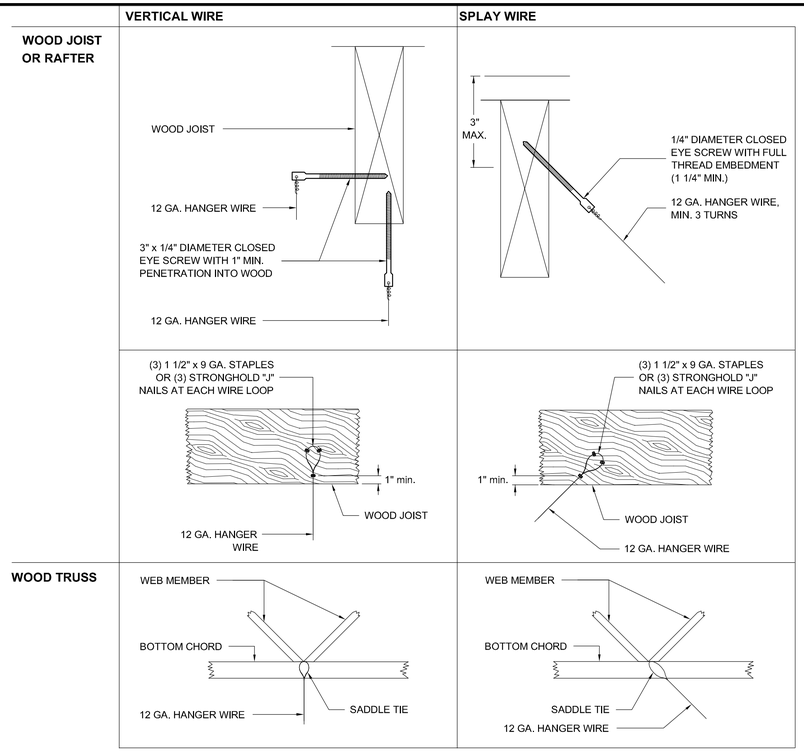
LICENSED ARCHITECT BRUCE DOUGLAS FRASER C 9787 EXPIRES 12-31-11 STATE OF CALIFORNIA

SHEET TITLE

PHASE I STOREFRONT, DOOR & WINDOW DETAILS

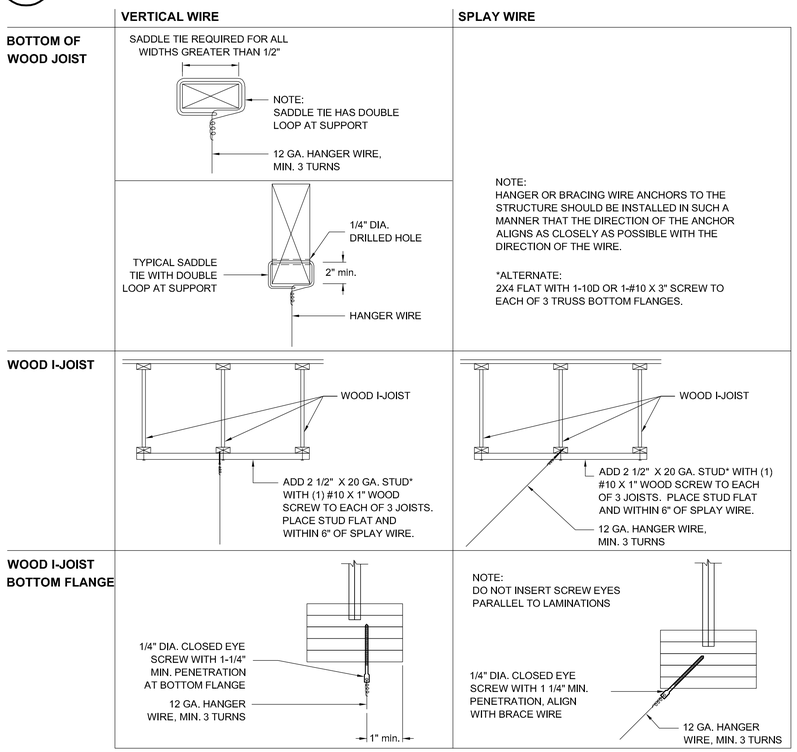
SHEET #

A8.2



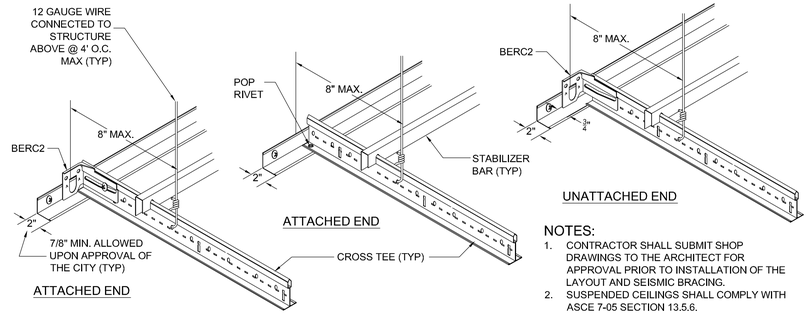
42 HANGER WIRE TO WOOD TRUSS / RAFTER

N.T.S.



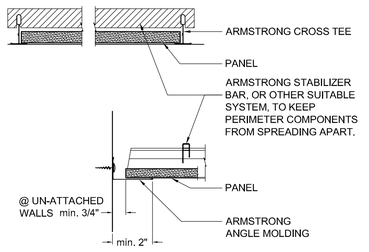
44 HANGER WIRE TO WOOD I-JOIST

N.T.S.



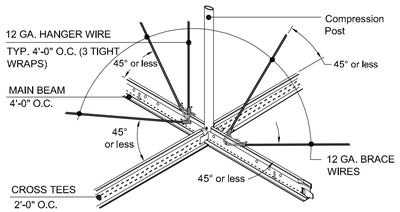
21 SEISMIC END RESTRAINTS: SEISMIC ZONES D,E & F

N.T.S. D095009B



22 STABILIZER BAR: SEISMIC ZONES D,E & F

3"= 1' -0" D095009D

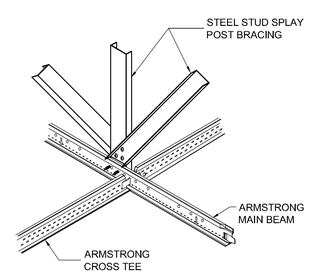


BRACING NOTES:

1. VERTICAL POSTS MAY NOT BE REQUIRED IN SOME CITIES AND NOT ENFORCED IN ALL SEISMIC ZONES.
2. BRACING WIRES TO BE ATTACHED A MAXIMUM OF 45° TO THE PLANE OF THE CEILING AND PARALLEL TO THE COMPONENTS AT THE BRACING POINT. BRACE WIRES TO BE TAUT AND TIED BOTH ENDS WITH THREE TIGHT WRAPS.

23 LATERAL BRACING: WITH COMPRESSION POST

N.T.S. D095015B

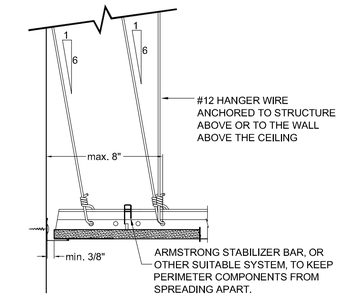


24 LATERAL BRACING: STEEL STUD SPLAY POST BRACING

N.T.S. D095015D

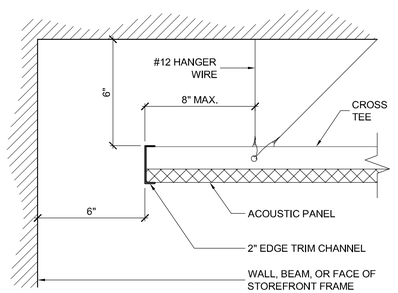
12 SEISMIC END RESTRAINT: FIXED END - SEISMIC ZONE C

3"= 1' -0" D095009C



13 SEISMIC JOINT CLIP

N.T.S. D095012B



14 LOBBY - ACOUSTIC CLOUD

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

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PROJECT MANAGER BDF

DRAWN BY DL

DATES 05/05/11

SIGNED

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

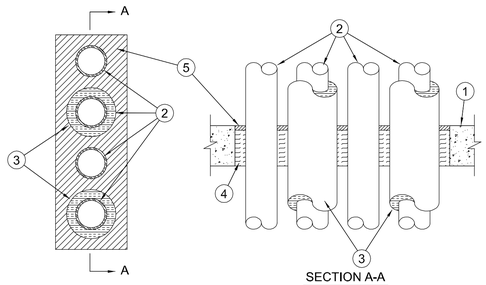
SHEET TITLE

PHASE I SUSPENDED CEILING DETAILS

SHEET # **A8.3**

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



1. 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.

2. 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:

   A. Steel Pipe - Nom 3 in. diam (or smaller) Schedule 10 (or heavier) steel pipe.
   B. Copper Tubing - Nom 3 In. diam (or smaller) Type L (or heavier) copper tubing
   C. Copper Pipe - Nom 3 in. diam (or smaller) Regular (or heavier) copper pipe.
   D. Conduit - Nom 3 in. diam (or smaller) electrical metallic tubing or steel conduit.

3. 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.

4. 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.

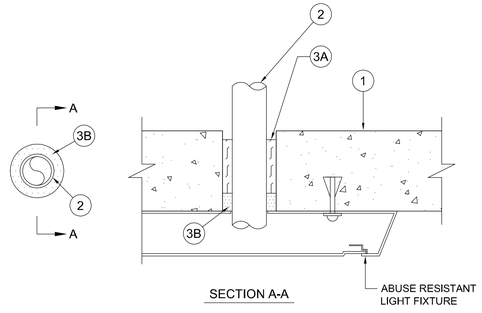
5. Fill, Void or Cavity Material* - Sealant - Min 1/2 in. thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall.

*Bearing the UL Classification Marking

32 THROUGH-PENETRATION FIRESTOP
NTS

System No. C-AJ-2164

F Rating – 2 HR
T Rating – 0 hr



1. 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.

2. 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-ceilling assembly. The following types and sizes of nonmetallic pipes may be used.

   A. 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.

   B. 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.

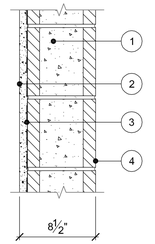
3. Firestop System — The firestop system shall consist of the following:

   A. 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

   B. 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

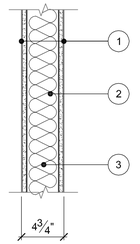
*Bearing the UL Classification Mark

34 THROUGH-PENETRATION FIRESTOP
NTS



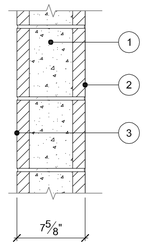
1. 8"x8"x16" CONCRETE BLOCK
2. EXTERIOR: 3-COAT STUCCO WITH ELASTOMERIC PAINT.
3. PAPER BACKED METAL LATH.
4. EXTERIOR: ELASTOMERIC PAINT OVER ACRYLIC BLOCK FILL PRIMER.

21 WALL TYPE E - EXTERIOR (2 HOUR) UL NO. U905
1 1/2" = 1'-0"



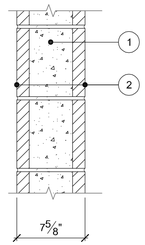
1. 5/8" GYPSUM WALL BOARD.
2. 2x4 @ 16" O.C.
3. ACOUSTIC BATT INSTALLATION.

11 WALL TYPE A - INTERIOR (NON-RATED)
1 1/2" = 1'-0"



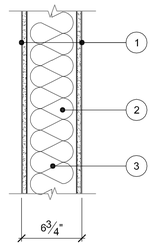
1. 8"x8"x16" CONCRETE BLOCK
2. EXTERIOR: ELASTOMERIC PAINT OVER ACRYLIC BLOCK FILL PRIMER.
3. INTERIOR: SEE FINISH SCHEDULE.

22 WALL TYPE F - EXTERIOR (2 HOUR) UL NO. U905
1 1/2" = 1'-0"



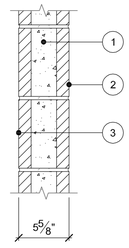
1. 8"x8"x16" CONCRETE BLOCK
2. SEE FINISH SCHEDULE

12 WALL TYPE B - INTERIOR (2 HOUR) UL NO. U905
1 1/2" = 1'-0"



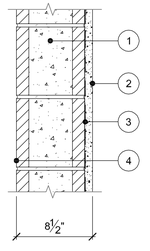
1. 5/8" GYPSUM WALL BOARD.
2. 2x6 @ 16" O.C.
3. ACOUSTIC BATT INSTALLATION.

23 WALL TYPE G - INTERIOR (NON-RATED)
1 1/2" = 1'-0"



1. 6"x8"x16" CONCRETE BLOCK
2. HOLDING CELL SIDE: BLOCK FILLER AND EPOXY COATING.
3. CHASE SIDE: EXPOSED BLOCK

13 WALL TYPE C - INTERIOR (2 HOUR) UL NO. U906
1 1/2" = 1'-0"



1. 8"x8"x16" CONCRETE BLOCK
2. EXTERIOR: 3-COAT STUCCO WITH ELASTOMERIC PAINT.
3. PAPER BACKED METAL LATH.
4. INTERIOR: SEE FINISH SCHEDULE.

14 WALL TYPE D - EXTERIOR (2 HOUR) UL NO. U905
1 1/2" = 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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www.fraserseiplearchitects.com

PROJECT MANAGER BDF

DRAWN BY DL

DATES 05/05/11

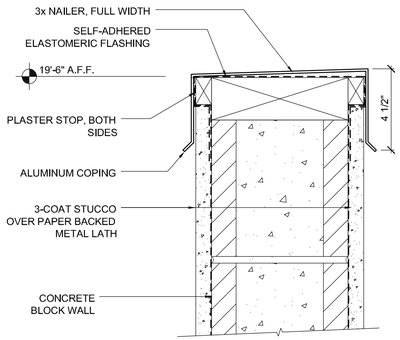
SIGNED

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

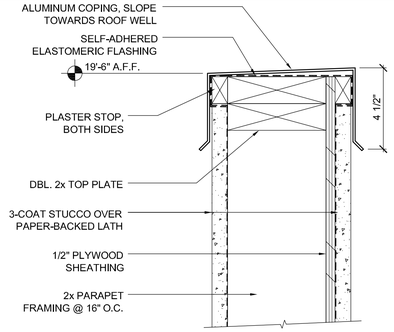
SHEET TITLE

PHASE I
WALL TYPES, FIRE PROTECTION

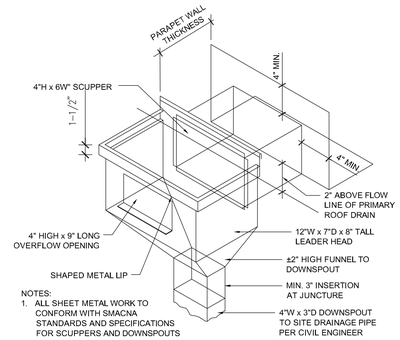
SHEET # **A8.4**



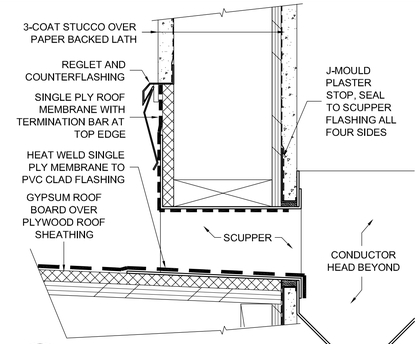
51 PARAPET COPING (CMU)
3"= 1' -0"



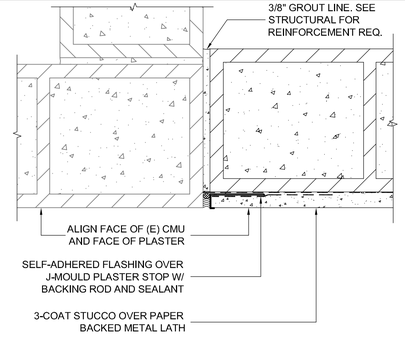
41 PARAPET COPING
3"= 1' -0"



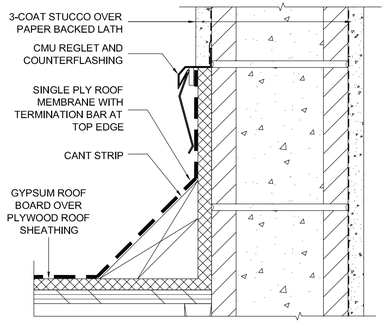
31 SCUPPER & LEADER HEAD
SCALE = NONE



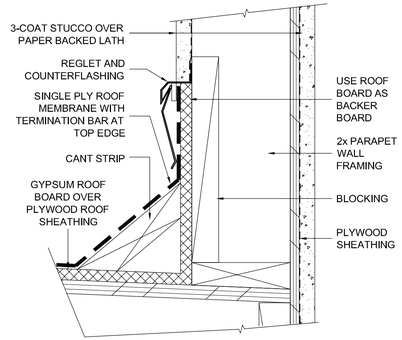
21 ROOF WELL HEAD WALL
3"= 1' -0"



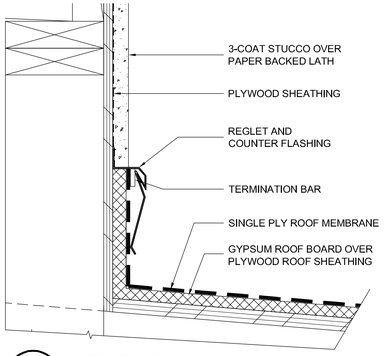
11 CMU ALIGNMENT TO (E)
3"= 1' -0"



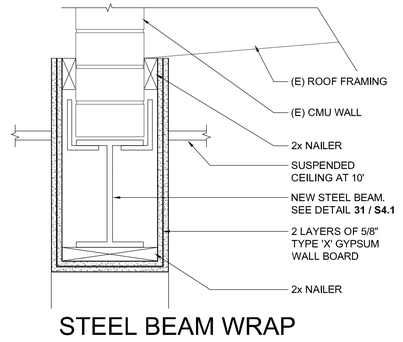
52 PARAPET COPING (CMU)
3"= 1' -0"



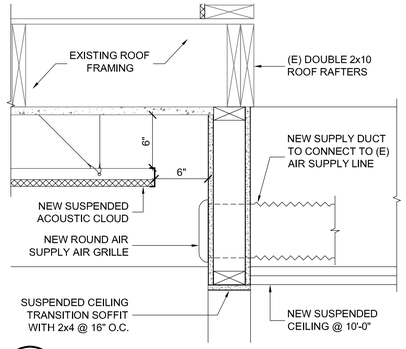
42 ROOF WELL HEAD WALL
3"= 1' -0"



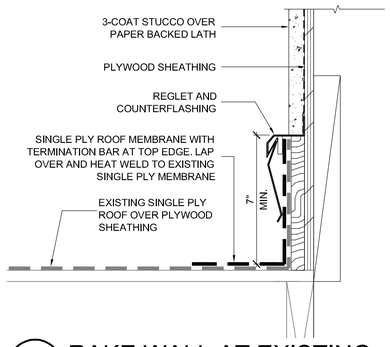
32 HEAD WALL
3"= 1' -0"



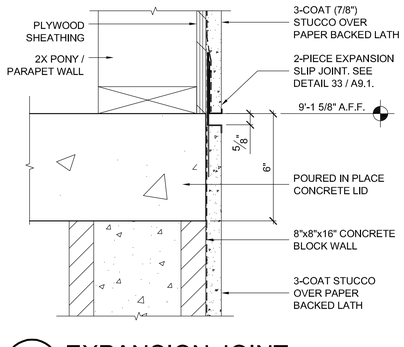
STEEL BEAM WRAP (NON-RATED)
1 1/2"= 1' -0"



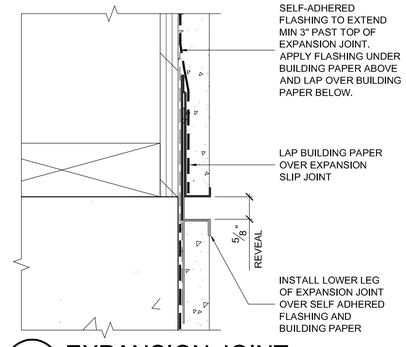
12 LOBBY CEILING TRANS.
1 1/2"= 1' -0"



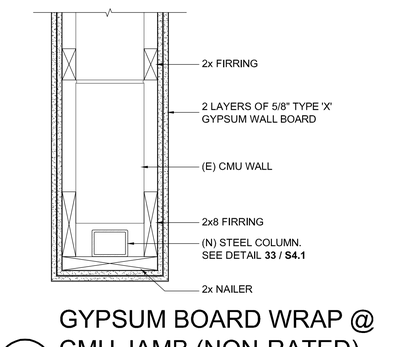
53 RAKE WALL AT EXISTING
3"= 1' -0"



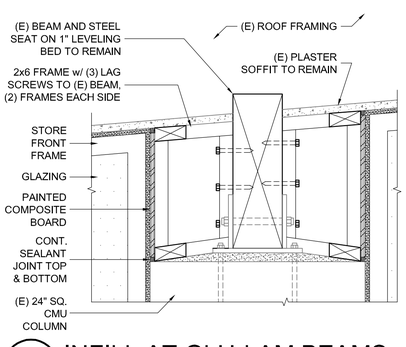
43 EXPANSION JOINT
3"= 1' -0"



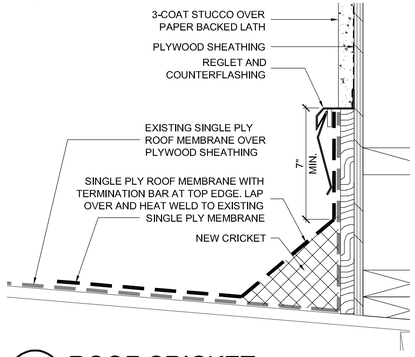
33 EXPANSION JOINT
6"= 1' -0"



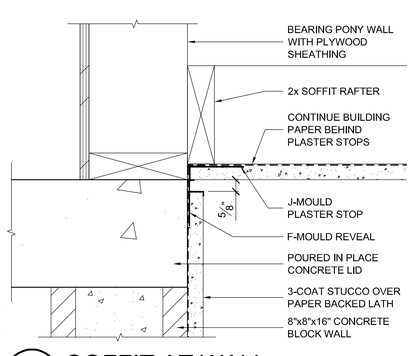
GYPSUM BOARD WRAP @ CMU JAMB (NON-RATED)
1 1/2"= 1' -0"



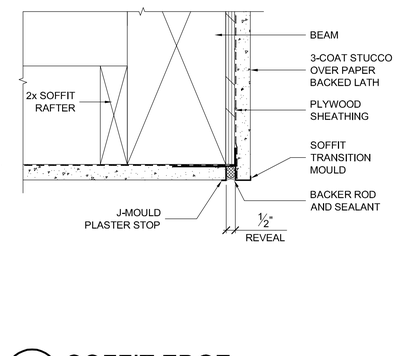
13 INFILL AT GLU-LAM BEAMS
1 1/2"= 1' -0"



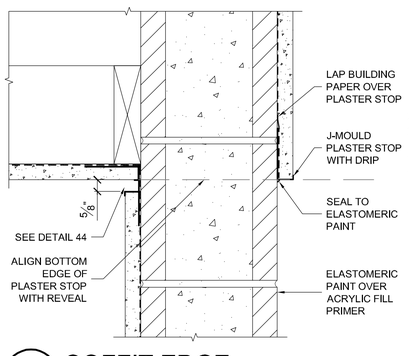
54 ROOF CRICKET
3"= 1' -0"



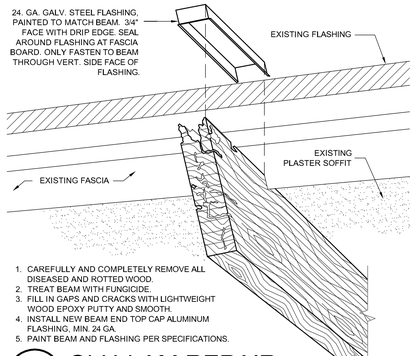
44 SOFFIT AT WALL
3"= 1' -0"



34 SOFFIT EDGE
3"= 1' -0"



24 SOFFIT EDGE
3"= 1' -0"



14 GLU-LAM REPAIR
N.T.S.

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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PROJECT MANAGER BDF

DRAWN BY DL

DATES 05/05/11

SIGNED

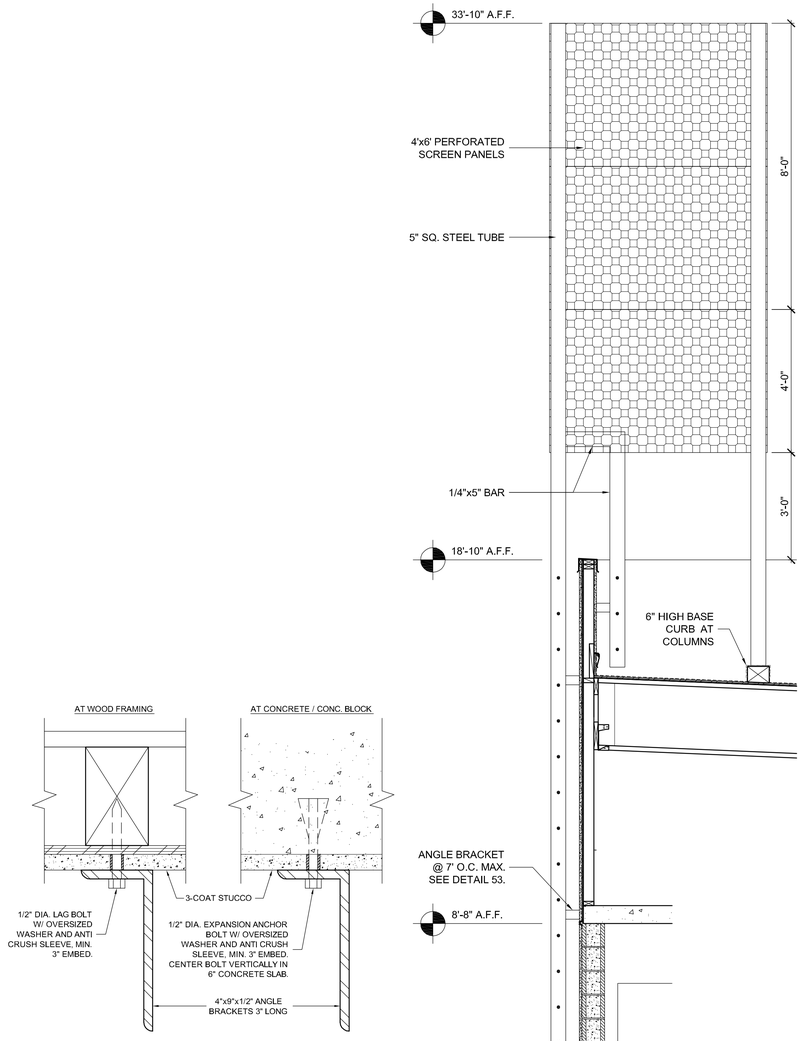
LICENSED ARCHITECT
BRUCE DOUGLAS FRASER
C 9787
EXPIRES 12•31•11
STATE OF CALIFORNIA

SHEET TITLE

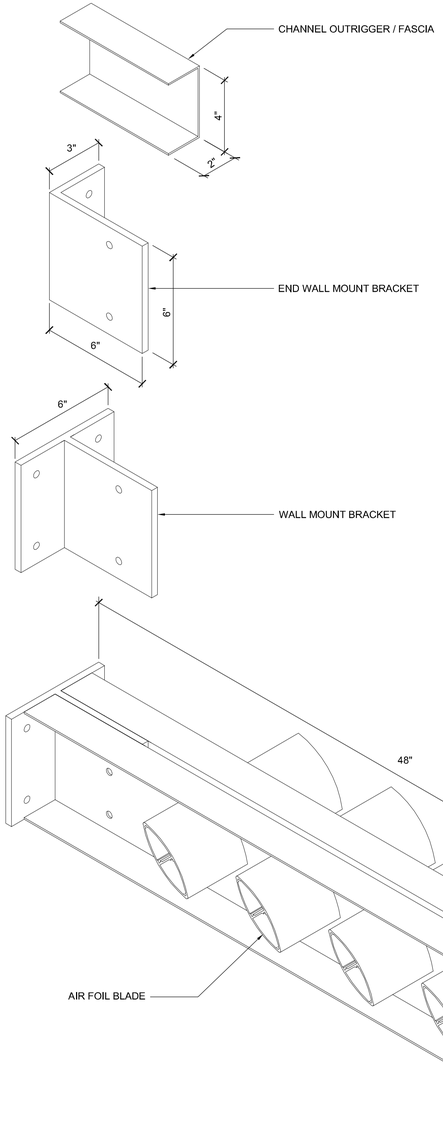
ARCHITECTURAL DETAILS

SHEET #

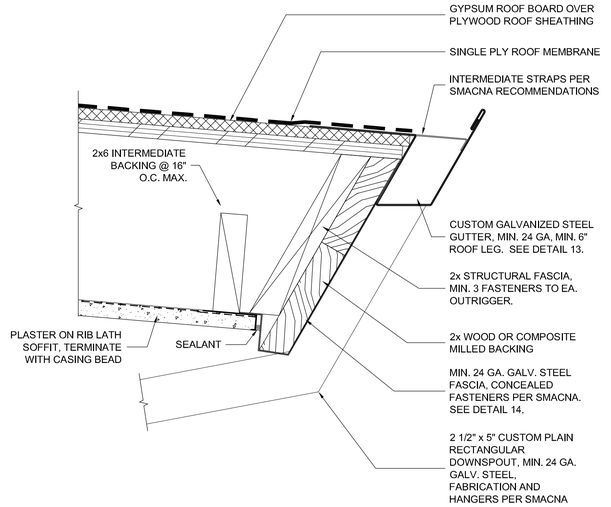
A9.1



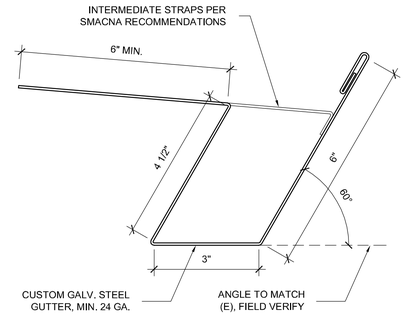
53 ANGLE BRACKETS
3"=1'- 0"



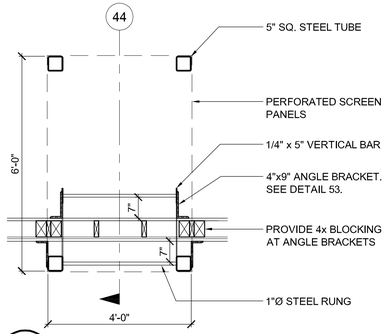
33 SUN CONTROL DEVICE
3"=1'- 0"



11 TYPICAL ROOF EDGE / GUTTER
3"= 1' -0"

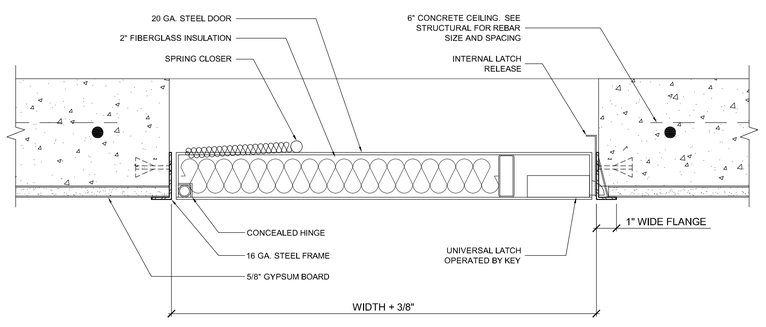


13 TYPICAL GUTTER
6"=1'- 0"
D087008D

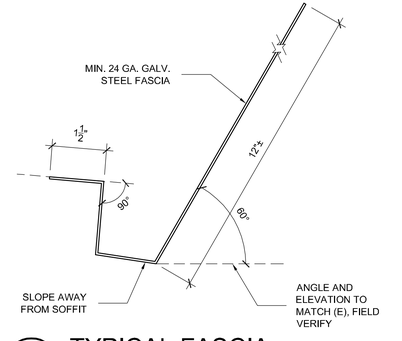


54 ACCESS LADDER PLAN
1/2"= 1' -0"

44 ACCESS LADDER SECTION
1/2"= 1' -0"



34 ATTIC ACCESS DOOR (3-Hour Rated Warnock Hersey International FW-5050)
3"=1'- 0"



14 TYPICAL FASCIA
6"=1'- 0"
D087008D

PROJECT

SUPERIOR COURT OF CALIFORNIA
COUNTY OF SAN JOAQUIN

MANTECA BRANCH SITE AND BUILDING IMPROVEMENTS

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

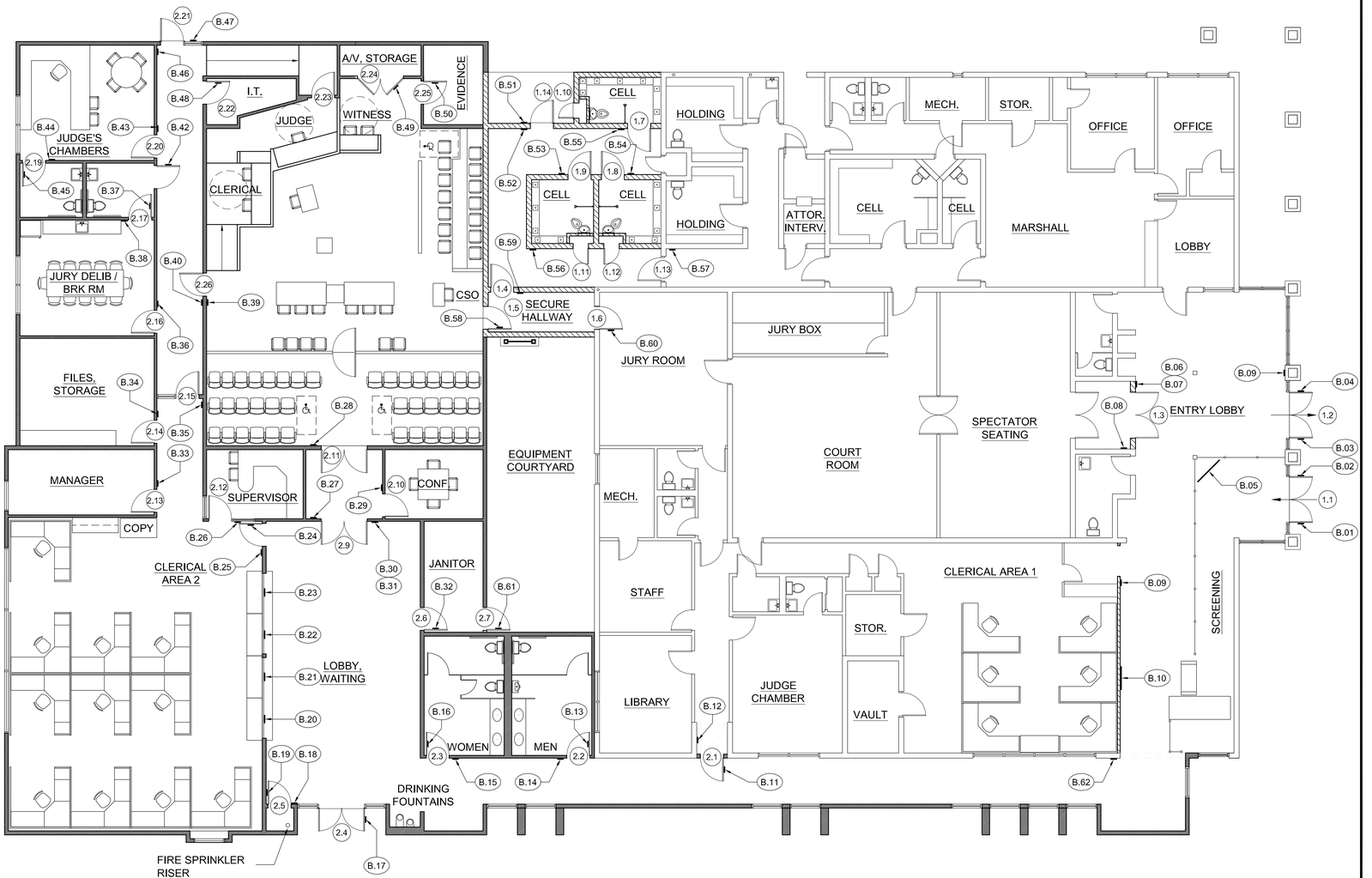
SHEET TITLE

ARCHITECTURAL DETAILS

SHEET #

A9.2

SIGN	LOCATION	COPY	NOTES (SIGN SIZE W x H)
A.01	ENTRY LANDING WALL	SUPERIOR COURT OF CALIFORNIA + SAN JOAQUIN COUNTY + MANTECA BRANCH	32"H X 240"L SIGN BOARD
A.02	ENTRY LANDING WALL	315	12" DIMENSIONAL NUMBERS
A.03	ENTRY RAMP AT SIDEWALK	(international accessibility symbol)	9" x 9" WHITE ON BLUE, POST MOUNT
B.01	LEFT LEAF OF DOOR 1.1	ENTRANCE ONLY + (international accessibility symbol)	2" LETTERING AT BACK OF GLASS
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.03	LEFT LEAF OF DOOR 1.2	(red "no passage" symbol) + EXIT ONLY + NOT AN ENTRANCE	2" LETTERING AT BACK OF GLASS
B.04	RIGHT LEAF OF DOOR 1.2	(red "no passage" symbol) + EXIT ONLY + NOT AN ENTRANCE	2" LETTERING AT BACK OF GLASS
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
B.06	WALL RIGHT OF DOOR 1.3	COURTROOM 1 + (two interchangeable message strips, for "in session" and for bench officer's name)	9" X 9", BRAILLE
B.07	WALL RIGHT OF DOOR 1.3	(proper attire, no food, assistive listening available)	9" X 9", ALIGN WITH SIGN ABOVE
B.08	WALL RIGHT OF DOOR 1.3	EXIT ROUTE + (accessibility symbol)	6" X 9", BRAILLE
B.09	WALL RIGHT OF OPENING TO CLERICAL AREA	EXIT + (accessibility symbol)	6" X 9", BRAILLE
B.10	WALL OPPOSITE SCREENING LINE	(directory)	36"x48"
B.11	SURFACE OF DOOR 2.1	AUTHORIZED ENTRY ONLY	6"x 6", BRAILLE
B.12	WALL RIGHT OF DOOR 2.1	TO EXIT + (accessibility symbol)	6"x 9", BRAILLE
B.13	SURFACE OF DOOR 2.2	(male symbol)	12" TRIANGLE
B.14	WALL LEFT OF DOOR 2.2	MEN + (male, accessibility symbols)	6"x 9", BRAILLE
B.15	WALL RIGHT OF DOOR 2.3	WOMEN + (female, accessibility symbols)	6"x 9", BRAILLE
B.16	SURFACE OF DOOR 2.3	(female symbol)	12" CIRCLE
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.18	WALL RIGHT OF DOOR 2.4	EXIT + EMERGENCY ONLY + ALARM WILL SOUND	6"x 6", BRAILLE
B.19	SURFACE OF DOOR 2.5	FIRE SPRINKLER RISER	6"x 6", BRAILLE
B.20	WALL ABOVE SERVICE WINDOW	(interchangeable message strip)	18"x 6"
B.21	WALL ABOVE SERVICE WINDOW	(interchangeable message strip)	18"x 6"
B.22	WALL ABOVE SERVICE WINDOW	(interchangeable message strip)	18"x 6"
B.23	WALL ABOVE SERVICE WINDOW	(interchangeable message strip)	18"x 6"
B.24	SURFACE OF DOOR 2.8	AUTHORIZED ENTRY ONLY	6"x 6", BRAILLE
B.25	WALL RIGHT OF DOOR 2.8	TO EXIT + (accessibility symbol)	6"x 9", BRAILLE
B.26	SIDE LITE RIGHT OF DOOR 2.12	SUPERVISOR + (interchangeable message strip)	6"x 6", BRAILLE
B.27	WALL RIGHT OF DOOR 2.9	TO EXIT + (accessibility symbol)	6"x 9", BRAILLE
B.28	WALL RIGHT OF DOOR 2.11	TO EXIT + (accessibility symbol)	6"x 9", BRAILLE
B.29	WALL LEFT OF DOOR 2.10	CONFERENCE	6"x 6", BRAILLE
B.30	WALL RIGHT OF DOOR 2.9	COURTROOM 2 + (two interchangeable message strips, for "in session" and for bench officer's name)	9"x 9", BRAILLE
B.31	WALL RIGHT OF DOOR 2.9	(proper attire, no food, assistive listening available)	9"x 9", ALIGN WITH SIGN ABOVE
B.32	SURFACE OF DOOR 2.6	JANITOR + ELECTRICAL SWITCHGEAR	6"x 6", BRAILLE
B.33	WALL RIGHT OF DOOR 2.13	MANAGER + (interchangeable message strip)	6"x 6", BRAILLE
B.34	WALL RIGHT OF DOOR 2.14	STORAGE	6"x 6", BRAILLE
B.35	WALL RIGHT OF DOOR 2.15	EXIT ROUTE + (accessibility symbol)	6"x 9", BRAILLE
B.36	WALL RIGHT OF DOOR 2.16	JURY + (interchangeable messager slot, for "in use")	6"x 6", BRAILLE
B.37	SURFACE OF DOOR 2.17	(unisex symbols)	12" TRIANGLE IN CIRCLE
B.38	WALL LEFT OF DOOR 2.17	RESTROOM + (unisex accessibility symbol)	6"x 9", BRAILLE
B.39	WALL OF DOOR 2.26	TO EXIT + (accessibility symbol)	6"x 9", BRAILLE
B.40	WALL RIGHT OF DOOR 2.26	COURTROOM 2	6"x 6", BRAILLE
B.41	WALL LEFT OF DOOR 2.18	RESTROOM + (unisexaccessibility symbol)	6"x 9", BRAILLE
B.42	SURFACE OF DOOR 2.18	(unisex symbols)	12" TRIANGLE IN CIRCLE
B.43	RIGHT OF DOOR 2.20	(interchangeable message strip, for bench officer's name)	6"x 6"
B.44	WALL LEFT OF DOOR 2.19	RESTROOM + (unisexaccessibility symbol)	6"x 9", BRAILLE
B.45	SURFACE OF DOOR 2.19	(unisex symbols)	12" TRIANGLE IN CIRCLE
B.46	WALL LEFT OF DOOR 2.21	EXIT + (accessibility symbol)	6"x 9", BRAILLE
B.47	SIDELITE LEFT OF DOOR 2.21	AUTHORIZED ENTRY ONLY	2 INCH LETTERING
B.48	SURFACE OF DOOR 2.22	ELECTRONIC EQUIPMENT	6"x 6", BRAILLE
B.49	SURFACE OF DOOR 2.24	AUDIOVISUAL EQUIPMENT	6"x 6", BRAILLE
B.50	SURFACE OF DOOR 2.25	EVIDENCE	6"x 6", BRAILLE
B.51	WALL RIGHT OF DOOR 1.14	(international accessibility symbol)	6"x 6" WHITE ON BLUE
B.52	WALL LEFT OF DOOR 1.14	EXIT + ALARM WILL SOUND (accessibility symbol)	6"x 9", BRAILLE
B.53	WALL RIGHT OF DOOR 1.9	HOLDING 7	6"x 6", BRAILLE
B.54	WALL LEFT OF DOOR 1.8	HOLDING 6	6"x 6", BRAILLE
B.55	WALL LEFT OF DOOR 1.7	HOLDING 5	6"x 6", BRAILLE
B.56	WALL SURFACE	EXIT ROUTE + (accessibility symbol)	6"x 9", BRAILLE
B.57	WALL RIGHT OF DOOR 1.13	TO EXIT + (accessibility symbol)	6"x 9", BRAILLE
B.58	SURFACE OF DOOR 1.5	AUTHORIZED ENTRY ONLY	6"x 6", BRAILLE
B.59	WALL RIGHT OF DOOR 1.4	HOLDING	6"x 6", BRAILLE
B.60	SURFACE OF DOOR 1.6	AUTHORIZED ENTRY ONLY	6"x 6", BRAILLE
B.61	SURFACE OF DOOR 2.7	ELECTRICAL SWITCHGEAR + EQUIPMENT YARD	6" X 6", BRAILLE
B.62	WALL SURFACE	EXIT ROUTE + (accessibility symbol)	6" X 9", BRAILLE



PHASE I & PHASE II SIGNAGE FLOOR PLAN

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

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

\\John\Manteca Courthouse 1007\Drawings\Sheets\Phase 1\SS.1 - Phase I and Phase II Composite Reference Signage Floor Plan.dwg, 4/29/2011 5:08:19 PM, PDF95

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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PROJECT MANAGER BDF

DRAWN BY DL

DATES 05/05/11

SIGNED

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

SHEET TITLE

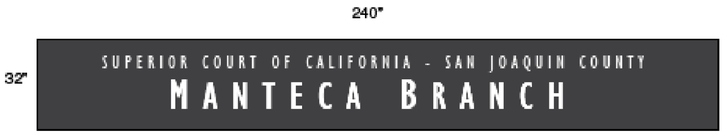
PHASE I & PHASE II SIGNAGE FLOOR PLAN

SHEET #

SS.1

SIGNAGE GENERAL NOTES

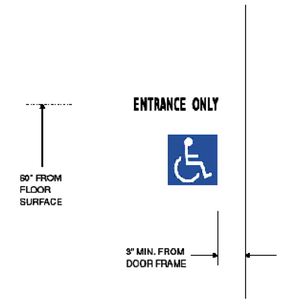
1. SEE SHEET A1.2 FOR LOCATION OF SITE SIGNAGE.
2. EXIT SIGNS SHALL COMPLY WITH THE PROVISIONS OF THE 2007 CALIFORNIA BUILDING CODE SECTION 1011.
3. SIGNS THAT IDENTIFY, DIRECT TO OR GIVE INFORMATION ABOUT PERMANENT BUILDING ROOMS AND SPACES SHALL MEET ALL REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES, SECTION 4.30, AND CALIFORNIA BUILDING CODE, TITLE 24, PART 2, VOLUME 1, SECTION 1117.B.5.
4. ACCESSIBLE SIGNAGE SHALL INCLUDE CONTRACTED GRADE 2 BRAILLE, WITH DOTS 1/10" ON CENTERS IN EACH CELL WITH 2/10" SPACE BETWEEN CELLS, MEASURED FROM THE SECOND COLUMN OF DOTS IN THE FIRST CELL TO THE FIRST COLUMN OF DOTS IN THE SECOND CELL, AND RAISED A MINIMUM OF 1/40TH INCH ABOVE THE BACKGROUND.
5. ACCESSIBLE SIGNAGE SHALL HAVE CHARACTERS RAISED AND PICTORIAL SYMBOLS RAISED 1/32" ABOVE THE BACKGROUND. LETTERS SHALL BE SANS SERIF UPPER CASE, 5/8" TO 2" HEIGHT, CONTRASTING WITH THE BACKGROUND, AND WITH A CHARACTER WIDTH-TO-HEIGHT RATIO BETWEEN 3:5 AND 1:10, AND A STROKE WIDTH-TO-HEIGHT RATIO BETWEEN 1:5 AND 1:10; PICTORIAL SYMBOLS SHALL HAVE A MINIMUM OUTSIDE DIMENSION OF 6".
6. SIGNS WILL BE MOUNTED AT 60" FROM THE FINISHED FLOOR SURFACE TO THE CENTER OF THE SIGN UNLESS OTHERWISE NOTED.



21 A.01
NOT TO SCALE

32 B.09
SCALE: 1/8" = 1'-0"

22 B.04
SCALE: 1/8" = 1'-0"



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33 B.11
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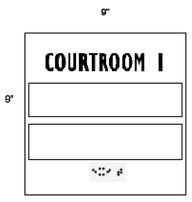

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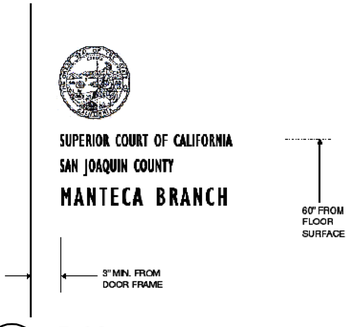

13 B.02
SCALE: 1/8" = 1'-0"

34 B.12
SCALE: 1/8" = 1'-0"

24 B.08
SCALE: 1/8" = 1'-0"

14 B.03
SCALE: 1/8" = 1'-0"

PROJECT

SUPERIOR COURT OF CALIFORNIA
COUNTY OF SAN JOAQUIN

MANTECA BRANCH SITE AND BUILDING IMPROVEMENTS

PHASE 1

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PROJECT MANAGER BDF

DRAWN BY DL

DATES 05/05/11

SIGNED

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

SHEET TITLE

PHASE I
SIGN GRAPHICS

SHEET # **SS.2**

GENERAL STRUCTURAL NOTES

GENERAL NOTES

1. THE FOLLOWING NOTES, TYPICAL DETAILS AND SCHEDULES SHALL APPLY TO ALL PHASES OF THIS PROJECT UNLESS OTHERWISE SHOWN OR NOTED.
2. SPECIFIC NOTES AND DETAILS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.
3. 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.
4. THE "CONTRACT OR CONSTRUCTION DOCUMENTS" SHALL CONSIST OF THESE NOTES, DETAILS, SCHEDULES, PLANS, AND DRAWINGS, AS WELL AS ATTACHED SPECIFICATIONS.
5. ALL SPECIFICATIONS, INCLUDING BUT NOT LIMITED TO MATERIALS AND PRODUCTS, SHALL BE THOSE PUT 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.
6. 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.
7. 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.
8. 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.
9. 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.
10. 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.
11. 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.
12. THE CONTRACTOR SHALL REFER TO THE SPECIFICATIONS FOR INFORMATION NOT COVERED BY THESE DRAWINGS AND GENERAL NOTES.
13. 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.
14. 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.
15. 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 CONTRACTOR'S PERFORMANCE AND SHALL NOT BE CONSTRUED AS SUPERVISION OF CONSTRUCTION.
16. 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.
17. THESE NOTES, DETAILS, DRAWINGS AND SPECIFICATIONS (CONTRACT OR CONSTRUCTION DOCUMENTS) DO NOT CARRY 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.
18. WHERE ANY CONFLICT OCCURS BETWEEN THE REQUIREMENTS OF FEDERAL, STATE AND LOCAL LAWS, CODES, ORDINANCES, RULES AND REGULATIONS, THE MOST STRINGENT SHALL GOVERN.
19. 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.
20. WRITTEN DIMENSIONS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.
21. DRAWINGS (NOTES, SCHEDULES, DETAILS AND PLANS) SHALL HAVE PRECEDENCE OVER STRUCTURAL CALCULATIONS.
22. 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.
23. CONTRACTOR SHALL HAVE A COPY OF PROJECT SOILS/GEOTECHNICAL/FOUNDATION INVESTIGATION ON THE JOB SITE.
24. ASTM DESIGNATION AND ALL STANDARDS REFER TO THE LATEST AMENDMENTS.
25. THESE STRUCTURAL "CONTRACT OR CONSTRUCTION DOCUMENTS" SHALL NOT BE MODIFIED WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER.
26. 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.
27. SEE ARCHITECTURAL DRAWINGS FOR ALL FIRE PROTECTION REQUIREMENTS.

SHOP DRAWING AND CONTRACTOR SUBMITTAL REVIEW

1. SHOP DRAWINGS OR CONTRACTOR SUBMITTALS SHOULD BE PROVIDED FOR THE FABRICATION (OR MIXING) OF THE FOLLOWING (BUT NOT LIMITED TO) COMPONENTS OR ELEMENTS.
    - A. CONCRETE (AND/OR GROUT) MIX DESIGNS.
    - B. STRUCTURAL STEEL.
    - C. TRUSSES.
    - D. FIRE SPRINKLERS.
    - E. REINFORCING STEEL.
    - F. PRECAST CONCRETE OR TILT-UP PANELS.
    - G. SUBSTITUTE OR ALTERNATE MATERIALS.
    - H. FORMWORK AND SHORING.
    - I. ELEVATORS.
2. PROJECT CONTRACTOR SHALL BE RESPONSIBLE FOR PRODUCTION AND APPROVAL OF ALL SHOP DRAWINGS.
3. 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).
4. 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

1. SAFETY NOTE:
    - A. 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.
    - B. THE ARCHITECT, STRUCTURAL ENGINEER, AND THE OWNER DO NOT ACCEPT ANY RESPONSIBILITY FOR THE CONTRACTOR'S FAILURE TO COMPLY WITH THESE REQUIREMENTS.
    - C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATE DESIGN AND CONSTRUCTION OF ALL FORMS. FORMS SHALL ALSO BE ADEQUATELY BRACED AND SHORED.
2. SHORE BEAMS WHERE NECESSARY TO MAINTAIN THE STRUCTURAL INTEGRITY OF THE EXISTING STRUCTURE.
3. NOTIFY THE STRUCTURAL ENGINEER OF ANY DISCREPANCIES BETWEEN THE PLANS AND EXISTING STRUCTURE.
4. CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND LOCATION OF ALL SHORING.

FOUNDATION NOTES

1. BASIS: CBC CHAPTER 18 AND PROJECT SOILS ENGINEERING AND GEOLOGIC HAZARDS REPORT BY EARTH SYSTEMS PACIFIC. FILE NO.: SL-16437-SA. DATED MARCH 31, 2011.
2. ALLOWABLE SOIL BEARING PRESSURE:
   DEAD LOAD PLUS LIVE LOAD: 1,800 P.S.F.
3. 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.
4. SEE SOILS OR FOUNDATION INVESTIGATION FOR COMPACTION, FILL, BACKFILLING, AND SITE PREPARATION REQUIREMENTS AND PROCEDURES.
5. 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.
6. FOOTINGS SHALL BE POURED IN NEAT EXCAVATIONS, WITHOUT SIDE FORMS WHENEVER POSSIBLE.
7. CARRY ALL FOUNDATIONS TO REQUIRED DEPTHS INTO COMPACTED FILL OR NATURAL SOIL (AS PER STRUCTURAL PLANS AND DETAILS, AND PROJECT SOILS REPORT).
8. 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.
9. THE SIDES AND BOTTOMS OF EXCAVATIONS WHICH ARE TO HAVE CONCRETE CONTACT MUST BE MOISTENED SEVERAL TIMES JUST PRIOR TO POURING UPON THEM.
10. DE-WATER FOOTINGS, AS REQUIRED, TO MAINTAIN DRY WORKING CONDITIONS.
11. ALL FOUNDATION EXCAVATIONS SHALL BE INSPECTED AND APPROVED BY PROJECT SOILS ENGINEER, PRIOR TO FORMING AND PLACEMENT OF REINFORCING OR CONCRETE.

RETAINING WALL NOTES

1. 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.
2. 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.
3. GRANULAR DRAINAGE MATERIAL SHALL CONSIST OF GRAVEL OR CRUSHED STONE, AND SHALL BE FREE OF ORGANIC MATERIAL, CLAY OR OTHER DELETERIOUS MATERIAL.
4. DRAINAGE AND BACKFILL MATERIAL SHALL NOT BE PLACED UNTIL CONCRETE AND/OR MASONRY HAS REACHED DESIGN STRENGTH.
5. BACKFILLING AND COMPACTION:
    - A. 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 FLOORS, OR POUR CONCRETE SLABS (AT TOP OF RETENTION) UNTIL 7 DAYS (MIN.) AFTER BACKFILLING AND COMPACTION OPERATION IS COMPLETE.
    - B. 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.
6. ALL FOOTINGS SHALL BE POURED AGAINST UNDISTURBED GROUND OR APPROVED (BY SOILS ENGINEER) FILL.
7. 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.
8. MAXIMUM UPHILL SLOPE BEHIND WALL (UNLESS OTHERWISE NOTED) SHALL BE 1 (VERTICAL) TO 3 (HORIZONTAL).
9. 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.
10. BEFORE GRANULAR DRAINAGE MATERIAL AND BACKFILL IS PLACED, THE ENTIRE BACKSIDE (RETENTION SIDE) OF WALL SHALL BE THOROUGHLY WATERPROOFED.
11. 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

1. 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).
2. ALL CONCRETE WORK SHALL COMPLY WITH CBC CHAPTER 19 AND ACI 318-08 AND LATEST EDITION OF ACI MANUAL OF CONCRETE PRACTICE.
3. SPECIAL INSPECTION (AS REQUIRED OR SPECIFIED) SHALL CONFORM TO CBC CHAPTER 17.
4. CEMENT SHALL BE PORTLAND CEMENT TYPE I OR II AND SHALL CONFORM TO ASTM C150.
5. AGGREGATES SHALL CONFORM TO ASTM C33.
6. WATER SHALL CONFORM TO ASTM C1602.
7. WHERE NOT SPECIFICALLY DETAILED, THE MINIMUM CONCRETE COVER ON REINFORCING STEEL SHALL BE:
    - A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH OR WEATHER: 3"
    - B. CONCRETE PLACED AGAINST FORMS, BUT EXPOSED TO EARTH OR WEATHER: 2"
    - C. SLABS, WALL & JOISTS, NOT EXPOSED TO EARTH OR WEATHER: ¾"
    - D. BEAMS, GIRDERS & COLUMNS, NOT EXPOSED TO EARTH OR WEATHER: 1½"

CONCRETE (CONTINUED)

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

   #3, #4----------24"
   #5-------------30"
   #6-------------36"
   #7-------------53"
   #8-------------60"

10. THE MINIMUM RADIUS OF BEND FOR REINFORCING STEEL (MEASURED ON THE INSIDE OF BAR) SHALL BE AS FOLLOWS:

    #3----------1⅛"
    #4----------1½"
    #5----------1⅞"
    #6----------2¼"
    #7----------2⅝"
    #8----------3"

11. 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"

12. 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.
13. 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.
14. ARCHITECT OR ENGINEER AND INSPECTOR SHALL BE NOTIFIED FOR REINFORCING INSPECTION 24 HOURS, MINIMUM, PRIOR TO PLACING ANY CONCRETE.
15. 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.
16. FORMWORK DESIGN AND REMOVAL SHALL CONFORM TO CBC SECTION 1906.
17. 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.
18. 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

19. CONCRETE SHALL NOT FREE FALL MORE THAN SIX FEET. USE TREMIE, PUMP OR OTHER APPROVED METHODS.
20. CONCRETE SHALL BE MAINTAINED IN A MOIST CONDITION FOR A MINIMUM OF 5 DAYS AFTER PLACEMENT.
21. 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.
22. 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.
23. ONLY ONE GRADE OF CONCRETE SHALL BE ALLOWED ON PROJECT SITE AT ANY ONE TIME.
24. 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.
    - A. 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.
25. 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.
26. DOWEL ALL CONCRETE WALLS AND COLUMNS TO SUPPORTING CONCRETE WITH BARS OF THE SAME SIZE AND SPACING AS VERTICAL BARS IN WALL AND COLUMNS. SEE NOTE #8 FOR LAP LENGTH. DO NOT "HICKEY" BARS. ALL DOWELS SHALL BE VERTICAL.
27. AT THE END, AS WELL AS TOP, OF WALLS SHALL BE A MINIMUM OF 2 #5 CONTINUOUS (U.N.O.).
28. CONCRETE STRENGTH SHALL BE VERIFIED BY STANDARD CYLINDER TESTS (IN ACCORDANCE WITH CBC SECTION 1905) MADE BY AN APPROVED TESTING LABORATORY.
29. CONCRETE PLACED DURING FREEZING OR NEAR-FREEZING WEATHER SHALL CONFORM TO CBC SECTION 1905.12.

CONCRETE BLOCK CONSTRUCTION

1. 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 2105.2.2.1.2
    - A. A.A.C. (AUTOCLAVED AERATED CONCRETE) MASONRY UNITS AND CONSTRUCTION ARE NOT ALLOWED.
2. CONCRETE BLOCK MASONRY UNITS:
    - A. CONFORM TO CBC SECTION 2103.1 AND ASTM C90, HOLLOW LOAD BEARING CONCRETE MASONRY UNITS.
    - B. OPEN-END MASONRY UNITS (SPEED BLOCK) ARE ACCEPTABLE (EXCEPT FOR ARCHITECTURALLY EXPOSED CONDITIONS).
    - C. MEDIUM-WEIGHT AGGREGATE.
3. MORTAR:
    - A. 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.
    - B. MORTAR SHALL BE TYPE 'M' OR 'S'
    - C. MORTAR SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 1,800 P.S.I. AT 28 DAYS.
4. GROUT:
    - A. 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.
    - B. GROUT SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 2,000 P.S.I. AT 28 DAYS.
5. REQUIREMENTS FOR CONCRETE BLOCK CONSTRUCTION SHALL CONFORM TO THE FOLLOWING:
    - A. CONCRETE BLOCK CONSTRUCTION SHALL CONFORM TO CBC SECTION 2104 AND TMS 602-08/ACI 530.1-08/ASCE 6-08.
    - B. 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.
    - C. AT THE END OF ALL WALLS SHALL BE A MINIMUM OF 2 #5 VERTICAL.
    - D. AT THE TOP OF ALL WALLS SHALL BE A MINIMUM OF 2 #3 HORIZONTAL.
    - E. 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.
    - F. 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.
    - G. AT THE TIME OF LAYING ALL MASONRY UNITS SHALL BE FREE OF EXCESSIVE DUST AND DIRT.
    - H. 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.
    - I. 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 BY PUMPING OR AN APPROVED ALTERNATE METHOD AND 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.
    - J. 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.
    - K. ALL REINFORCING SHALL BE IN PLACE AND SECURED PRIOR TO GROUTING. REINFORCEMENT SHALL BE PLACED AND SECURED IN CONFORMANCE WITH CBC SECTION 2103.13 AND TMS 402-08/ACI 530.1-08/ASCE 6-08, SECTION 1.15.
6. REINFORCING BARS LARGER THAN #8 ARE NOT PERMITTED UNLESS SPECIFICALLY DETAILED OR NOTED OTHERWISE.
7. SPECIAL INSPECTION (AS REQUIRED OR SPECIFIED) SHALL CONFORM TO CBC CHAPTER 17.
8. AT ALL SPLICES IN REINFORCING (STAGGER SPLICES), LAP (MIN.) BARS AS FOLLOWS:

   #3 - 16"
   #4 - 20"
   #5 - 25"
   #6 - 30"
   #7 - 35"
   #8 - 40"

9. THE MINIMUM RADIUS OF BEND FOR REINFORCING STEEL (MEASURED ON THE INSIDE OF THE BAR) SHALL BE AS FOLLOWS:

   #3 - 1⅛"
   #4 - 1½"
   #5 - 1⅞"
   #6 - 2¼"
   #7 - 2⅝"
   #8 - 3"

10. 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"

11. LOCATION OF ALL CONSTRUCTION/CONTROL JOINTS, OTHER THAN THOSE SPECIFIED, SHALL BE APPROVED BY THE ARCHITECT/ENGINEER PRIOR TO PLACEMENT.
12. 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.
13. CONCRETE BLOCK WALLS (OF ONE STORY OR TALLER) SHALL BE SECURELY BRACED AND SHORED, BY PROJECT CONTRACTOR, DURING ALL PHASES OF CONSTRUCTION.
14. WHEN AMBIENT TEMPERATURE FALLS BELOW 40°F, CONSTRUCTION SHALL CONFORM TO CBC SECTION 2104.3
15. WHEN AMBIENT TEMPERATURE FALLS EXCEEDS 90°F, CONSTRUCTION SHALL CONFORM TO CBC SECTION 2104.4

REINFORCING STEEL

1. ALL REINFORCING STEEL SHALL BE DEFORMED INTERMEDIATE GRADE BARS CONFORMING TO ASTM A615, GRADE 60 (Fy = 60 K.S.I.) UNLESS OTHERWISE NOTED.
    - A. GRADE 40 MAY BE USED FOR #4 BARS AND SMALLER.
2. REINFORCING STEEL SHALL NOT BE WELDED, UNLESS SPECIFICALLY NOTED OTHERWISE.
3. 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.
4. 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.
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.
6. REFER TO CONCRETE AND CONCRETE BLOCK NOTES FOR MINIMUM SPLICE LENGTH AND MINIMUM RADIUS OF BEND, OF REINFORCING STEEL.
7. STAGGER SPLICES IN REINFORCING STEEL, UNLESS SPECIFICALLY NOTED OTHERWISE.
8. ALL REINFORCING BAR BENDS SHALL BE MADE COLD.
9. FABRICATION, ERECTION AND PLACEMENT OF REINFORCING STEEL SHALL CONFORM TO CONCRETE REINFORCING STEEL INSTITUTE OF STANDARD PRACTICE.
10. ALL WELDED WIRE MESH SHALL CONFORM TO ASTM A185. LAP ALL WIRE MESH TWO MODULES.
11. REINFORCING STEEL SHALL BE CLEAN OF RUST, GREASE OR OTHER MATERIAL LIKELY TO IMPAIR BOND.
12. EPOXY-COATED REINFORCEMENT (WHERE SPECIFICALLY NOTED OR DETAILED) SHALL CONFORM TO ASTM A775.

STRUCTURAL STEEL AND WELDING

1. ALL STRUCTURAL STEEL CONSTRUCTION SHALL CONFORM TO AISC 360-05 AND AISC 341-05.
    - A. 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.
2. ALL STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS:
    - A. ANGLES, CHANNELS, PLATES, BARS, ROUNDS, AND OTHER MISCELLANEOUS SHAPES SHALL CONFORM TO ASTM A-36 AND SHALL HAVE A MINIMUM YIELD STRESS (Fy) OF 36 K.S.I.
    - B. WIDE-FLANGE SHAPES SHALL CONFORM TO ASTM A992 AND SHALL HAVE A MINIMUM YIELD STRESS (Fy) OF 50 K.S.I.
    - C. STEEL PIPE COLUMNS SHALL BE WELDED SEAMLESS PIPE CONFORMING TO ASTM, A-53, GRADE B, AND SHALL HAVE A MINIMUM YIELD STRESS (Fy) OF 35 K.S.I.
    - D. STRUCTURAL TUBE COLUMNS SHALL BE ASTM A500 GRADE B, AND SHALL HAVE A MINIMUM YIELD STRESS (Fy) OF 46 K.S.I.
3. SPECIAL INSPECTION SHALL BE PROVIDED FOR ALL STRUCTURAL STEEL AND WELDING, IN ACCORDANCE WITH CBC CHAPTER 17.
4. 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).
5. ALL WELDING SHALL BE DONE BY QUALIFIED AND CERTIFIED WELDERS.
6. NO FIELD WELDING PERMITTED, UNLESS SPECIFICALLY NOTED OTHERWISE.
7. 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.
8. NO HOLES OTHER THAN THOSE SPECIFICALLY DETAILED SHALL BE ALLOWED THROUGH STRUCTURAL STEEL MEMBERS. BURNING OF HOLES IS NOT PERMITTED.
9. 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.
10. ALL BOLTS SHALL CONFORM TO ASTM, A-307 (U.N.O.)
11. ALL WELDING SHALL CONFORM TO 'AWS D1.1 AND D1.8' SPECIFICATIONS FOR WELDING. (E-70XX ELECTRODES).
12. ALL HEADED STUDS (FOR CONCRETE ANCHORAGE) SHALL BE MANUFACTURED BY 'NELSON' OR APPROVED EQUAL.
13. 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.
14. ALL BUTT WELDS TO BE FULL PENETRATION, UNLESS SPECIFICALLY NOTED OTHERWISE.
15. 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.
16. PROVIDE HOT DIP GALVANIZING OR 3" MINIMUM CONCRETE COVER AROUND ALL STRUCTURAL STEEL BELOW GRADE.
17. STRUCTURAL STEEL EMBEDDED INTO CONCRETE OR MASONRY SHALL BE UNPAINTED.

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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

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DATES 05/05/11

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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	CONSTRUCTION OR BETTER
2x JOISTS	#2 OR BETTER
4x BEAMS	#1 OR BETTER
6x BEAMS:	
EXPOSED (INT/EXT)	SELECT STRUCTURAL BETTER
NON-EXPOSED	#1 OR BETTER
4x POSTS	#2 OR BETTER
6x POSTS	#1 OR BETTER

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.-05 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, HOLDOWNS, 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 6" 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-2269.
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 6 - 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 60% 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 DF/DF) INDUSTRIAL APPEARANCE GRADE AND CONFORM TO ASTM D3737 AND AITC A190.1. (24F-V4-DF/DF MAY BE USED FOR SIMPLE SPANS AS SPECIFIED ON FRAMING PLANS)

      F_b = 2,400 P.S.I.
      F_v = 165 P.S.I.
      F_c^ = 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_b = 3,000 P.S.I. (2,800 P.S.I. FOR 7x BEAMS)
      F_v = 300 P.S.I.
      F_c^ = 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_b = 2,900 P.S.I.
      F_v = 285 P.S.I.
      F_c^ = 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 D50555.
   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	
	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	
	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

ABBREVIATIONS

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

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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DATES 05/05/11

SIGNED

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

SHEET TITLE

GENERAL STRUCTURAL NOTES, ABBREVIATIONS

SHEET #

S1.1

SPECIAL INSPECTIONS

A. SPECIAL INSPECTION GENERAL NOTES

1. ALL SPECIAL INSPECTION SHALL BE PROVIDED IN ACCORDANCE WITH CBC SECTION 1704 AND 1705.
2. 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
3. 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.
4. SPECIAL INSPECTORS SHALL BE APPROVED BY LOCAL BUILDING OFFICIAL IN ACCORDANCE WITH CBC SECTION 1704.1
5. 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
6. 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
7. 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
8. 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
9. LOCAL BUILDING OFFICIALS MAY REQUIRE SPECIAL INSPECTION FOR "SPECIAL CASES" IN ACCORDANCE WITH CBC SECTION 1704.15
10. 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.
11. SPECIAL INSPECTION MAY BE REQUIRED FOR INSTALLATION OF ANCHORS INTO HARDENED CONCRETE, AS PER APPROVED I.C.C. REPORT.
12. SPECIAL INSPECTION FOR W.S.M.F. (AS REQUIRED), SEE W.S.M.F. NOTES AND DETAILS, SHEET S-____.

B. CONCRETE CONSTRUCTION (1)(2)

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

NOTES:
1. SEE CBC SECTION 1704.4 AND TABLE 1704.4
2. SEE CBC SECTION 1708.2 FOR SHEARWALL BOUNDARY REINFORCEMENT REQUIREMENTS.
3. 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.
4. 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.
5. SEE A.C.I. 5.11 THRU 5.13

C. MASONRY CONSTRUCTION (1)(2)

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

NOTES:
1. SEE CBC SECTION 1704.5 AND 1708.1
2. SEE TABLE 1704.5.1 AND 1704.5.3

D. STEEL CONSTRUCTION (1)(2)

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REMARKS
HIGH STRENGTH BOLTING			
1. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN APPROVED CONSTRUCTION DOCUMENTS.		X	
2. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.		X	
3. INSPECTION OF HIGH STRENGTH BOLTING: -BEARING-TYPE CONNECTION.		X	SEE CBC SECTION 1704.3.3
4. INSPECTION OF HIGH STRENGTH BOLTING: -SLIP CRITICAL CONNECTION.	X	X	SEE CBC SECTION 1704.3.3
WELDING - STRUCTURAL STEEL (3)			
5. COMPLETE AND PARTIAL PENETRATED GROOVE WELDS.	X		
6. MULTIPASS FILLET WELDS.	X		
7. SINGLE-PASS FILLET > $\frac{5}{16}$"	X		
8. SINGLE-PASS FILLET < $\frac{5}{16}$"		X	
9. FLOOR AND ROOF DECKS.		X	
WELDING - REINFORCING STEEL			
10. VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A 706,		X	
11. BOUNDARY ELEMENTS OF SPECIAL REINFORCED CONCRETE SHEAR WALLS AND SHEAR REINFORCEMENT,	X		
12. SHEAR REINFORCEMENT,	X		
13. OTHER REINFORCING STEEL.		X	
STEEL FRAME			
14. STEEL FRAME JOINT DETAIL COMPLIANCE.		X	SEE NOTE 4.

NOTES:
1. SEE CBC SECTION 1704.3 AND 1707.2
2. SEE CBC TABLE 1707.3
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 $\frac{5}{16}$" 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.
4. THE SPECIAL INSPECTOR SHALL PERFORM AN INSPECTION OF THE STEEL FRAME TO VERIFY COMPLIANCE WITH THE DETAILS SHOWN ON THE APPROVED CONSTRUCTION DOCUMENTS, SUCH AS BRACING, STIFFENING, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT DETAILS AT EACH CONNECTION.

E. WOOD CONSTRUCTION (1)(2)

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REMARKS
1. PLYWD. SHEAR WALLS.		X	SEE NOTES (2)(3)
2. ROOF AND FLOOR DIAPHRAGMS		X	SEE NOTES (2)(3)
3. DRAG STRUTS		X	SEE NOTES (2)(3)
4. HIGH LOAD SHEARWALLS OR DIAPHRAGMS		X	SEE NOTE (4)

NOTES:
1. SEE CBC SECTION 1704.6 AND 1707.3
2. NAILING, BOLTING, ANCHORING AND OTHER FASTENING OF COMPONENTS.
3. SPECIAL INSPECTION NOT REQUIRED WHERE FASTENERS SPACING OF THE SHEATHING IS MORE THAN 4"
4. THE SPECIAL INSPECTOR SHALL INSPECT THE WOOD STRUCTURAL PANEL SHEATHING TO ASCERTAIN WHETHER IT IS OF THE GRADE AND THICKNESS SHOWN ON THE APPROVED BUILDING PLANS. ADDITIONALLY, THE SPECIAL INSPECTOR MUST VERIFY THE NOMINAL SIZE OF FRAMING MEMBERS AT ADJOINING PANEL EDGES, THE NAIL OR STAPLE DIAMETER AND LENGTH, THE NUMBER OF FASTENER LINES AND THAT THE SPACING BETWEEN FASTENERS IN EACH LINE AND AT EDGE MARGINS AGREES WITH THE APPROVED BUILDING PLANS.

F. SPECIAL CASES

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REMARKS
1. SIMPSON SET-XP EPOXY INSTALLATION		X	SIMPSON 'SET-XP' (ICC-ES ESR-2508)
2. SIMPSON SET EPOXY INSTALLATION		X	SIMPSON 'SET' (ICC-ES ESR-1772)

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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DRAWN BY DL

DATES 05/05/11

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STATE OF CALIFORNIA

SHEET TITLE

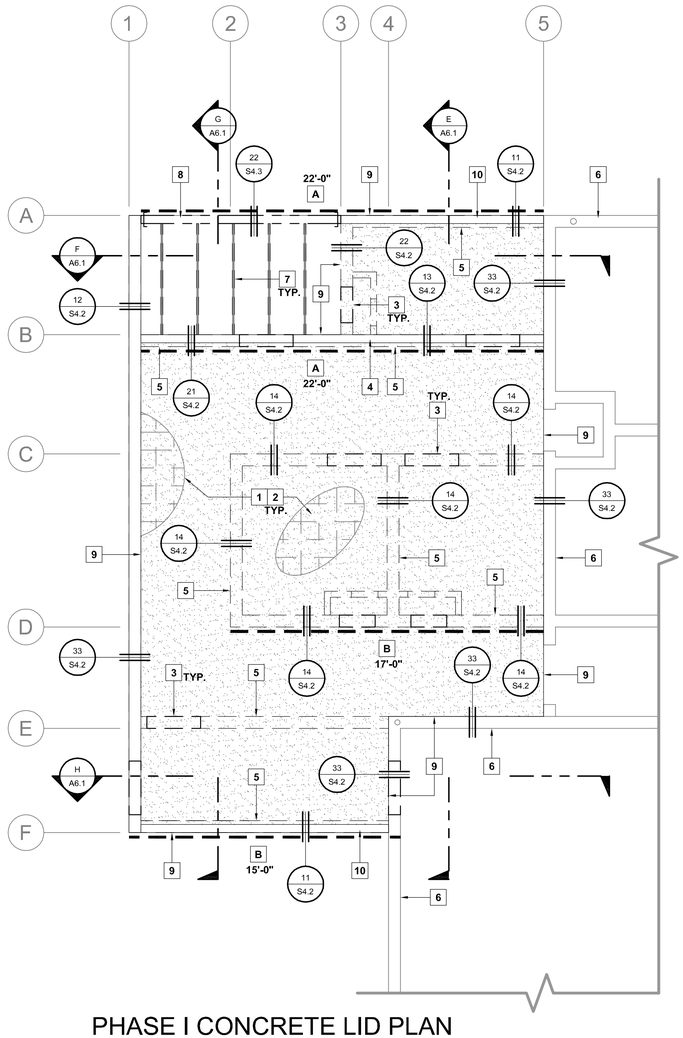
SPECIAL INSPECTIONS

SHEET #

S1.2

CONCRETE LID KEYNOTES

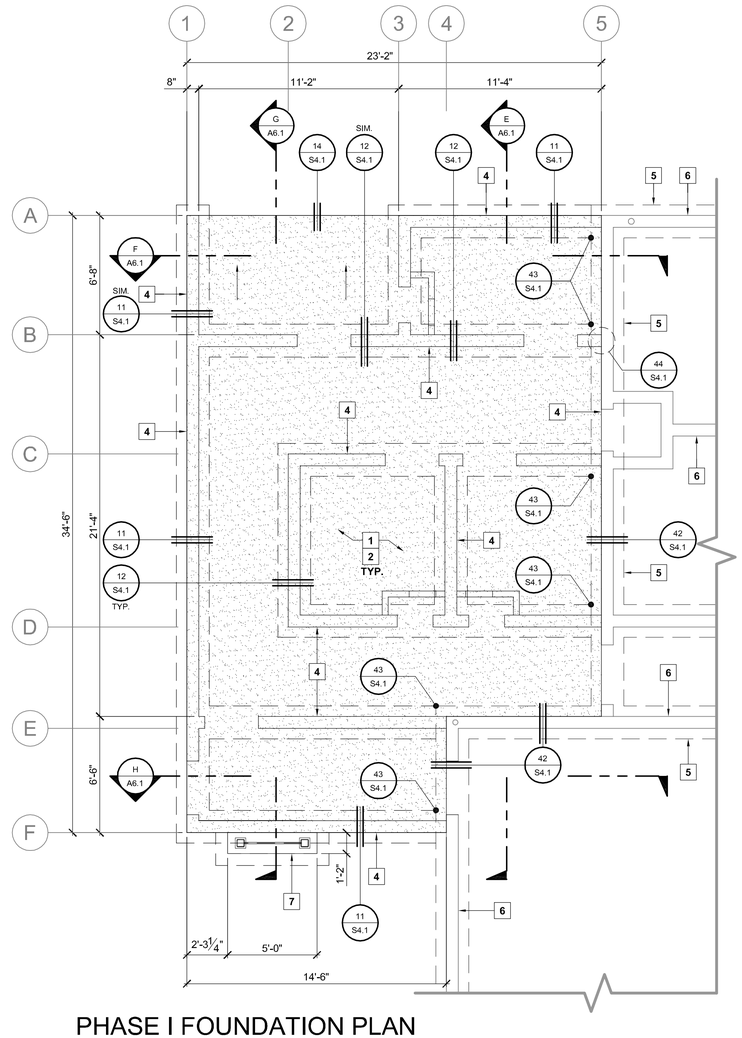
1. GENERAL TYPICAL NOTES: SEE STRUCTURAL NOTES, SHEET **S1.0** & **S1.1**.
   A. ALL CONCRETE SHALL BE 3,000 P.S.I. AT 28 DAYS.
   B. SEE ARCHITECTURAL DRAWINGS FOR ALL EMBEDDED ITEMS AND NON-STRUCTURAL COMPONENTS ASSOCIATED WITH CONCRETE WORK.
2. 6" CONCRETE SLAB WITH #5 @ 12" O.C., EACH WAY, AT MID-DEPTH OF SLAB.
   A. SEE DETAIL **23 / S4.2**.
3. 8" SOLID GROUTED CMU LINTEL OVER OPENING.
   A. SEE DETAIL **42 / S4.2**.
4. 2x6 PONY WALL.
   A. SEE DETAIL **32 / S4.2** FOR OPENING IN WALL.
5. 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.
6. EXISTING CMU WALL TO REMAIN.
7. 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.
8. 6x10 DF #2 BEAM.
   A. PROVIDE SIMPSON 'MBHU5.50' HANGER EACH END.
9. EDGE OF CONCRETE LID.
10. 2x6 PARAPET WALL ABOVE. SEE DETAIL **11 / S4.2**.



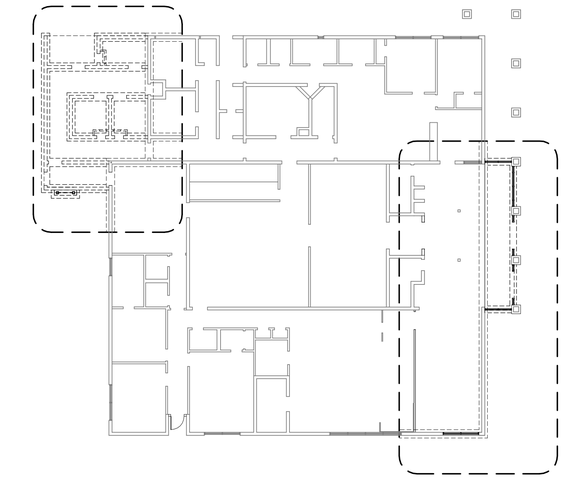
PHASE I CONCRETE LID PLAN
HOLDING CELL ADDITION
SCALE: 1/4" = 1'-0"

FOUNDATION PLAN KEYNOTES

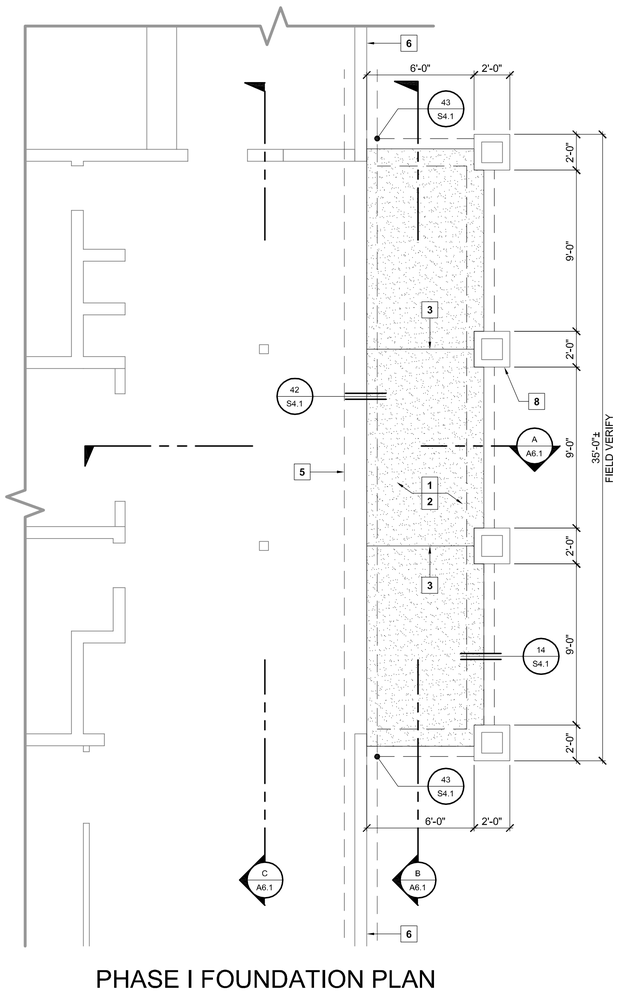
1. GENERAL TYPICAL NOTES: SEE STRUCTURAL NOTES, SHEET **S1.0 & S1.1**.
   A. ALL CONCRETE SHALL BE 3,000 P.S.I. AT 28 DAYS.
   B. SEE ARCHITECTURAL DRAWINGS FOR ALL EMBEDDED ITEMS AND NON-STRUCTURAL COMPONENTS ASSOCIATED WITH CONCRETE WORK.
   C. ALL SILL PLATE ANCHOR BOLTS SHALL HAVE 7" (MIN.) EMBEDMENT (TYP. U.N.O.).
2. 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.**
3. 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".
4. 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.
5. EXISTING FOOTING TO REMAIN.
6. EXISTING CMU WALL TO REMAIN.
7. EXPAND FOOTING AT ROOF ACCESS LADDER COLUMNS.
8. EXISTING CMU COLUMNS AND FOOTINGS TO REMAIN.



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

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EXPIRES 12-31-11
STATE OF CALIFORNIA

SHEET TITLE

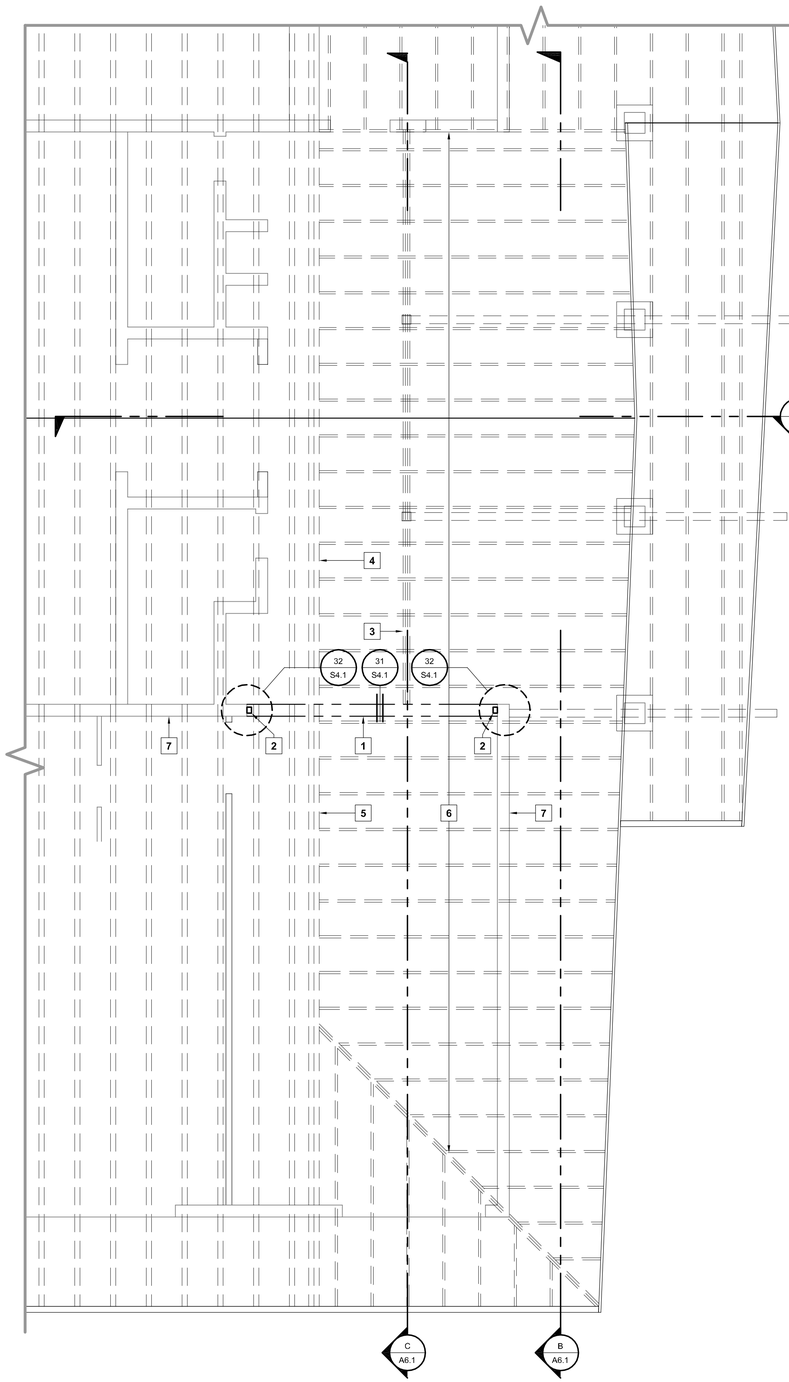
PHASE I FOUNDATION PLAN

SHEET #

S2.1

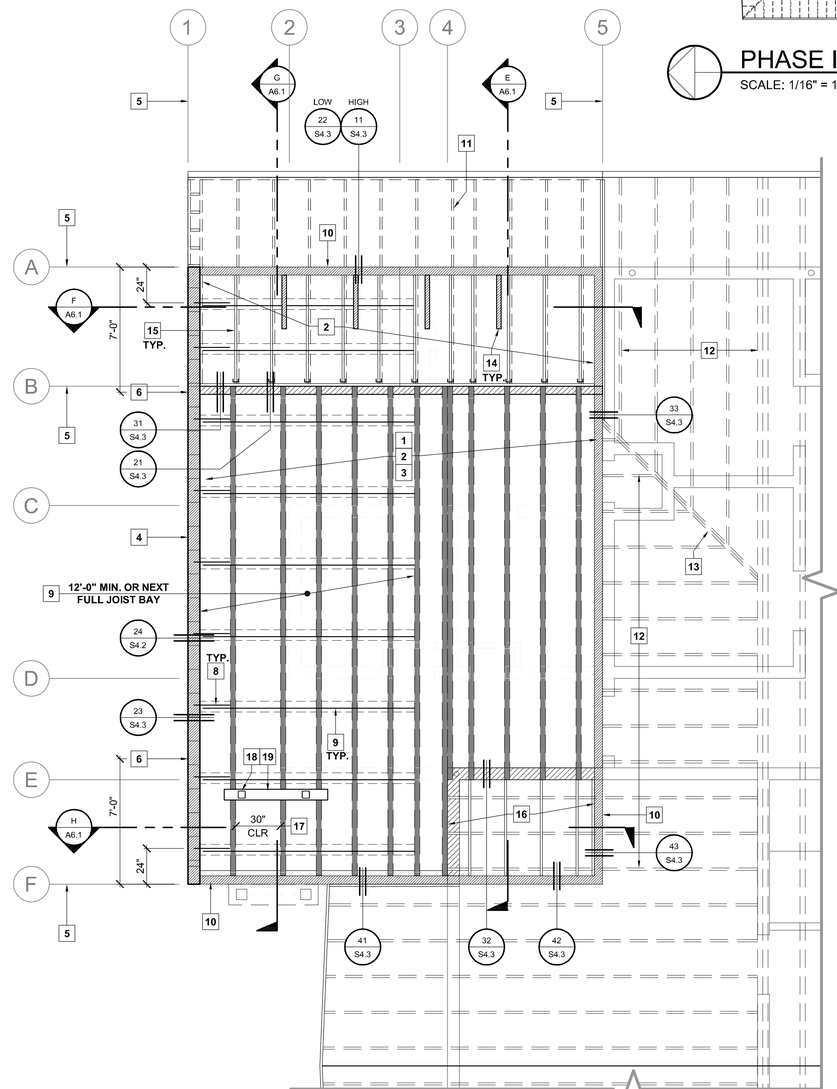
ROOF FRAMING (AT LOBBY) KEYNOTES

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



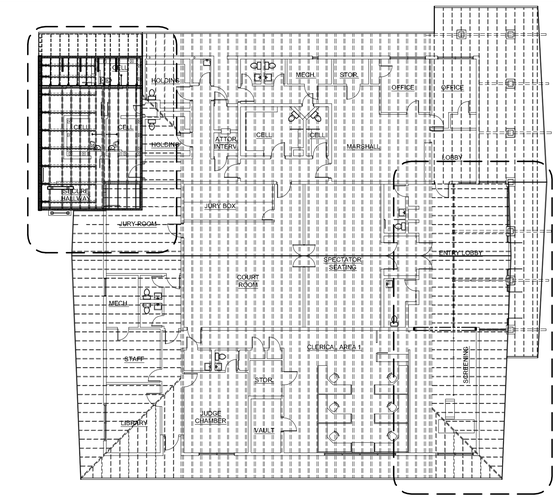
PHASE I ROOF FRAMING PLAN - LOBBY

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



PHASE I ROOF FRAMING PLAN - HOLDING CELL ADDITION

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



PHASE I KEY PLAN

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

ROOF FRAMING KEYNOTES

1. GENERAL, TYPICAL NOTES: SEE GENERAL STRUCTURAL NOTES, SHEET **S1.0** & **S1.1**.
   - A. REFER TO ARCHITECTURAL PLANS FOR INTERIOR NON-BEARING WALLS, SOFFITS AND EAVE DETAILS, AND MISCELLANEOUS NON-STRUCTURAL DETAILS AND REQUIREMENTS.
2. TYPICAL ROOF SHEATHING: 5/8" CDX PLYWOOD.
   - A. PANEL INDEX 32/16.
   - B. USE EXTERIOR GRADE WHERE PLYWOOD IS EXPOSED TO WEATHER.
   - C. NAIL w/ 8d @ 6-6-10" O.C. (TYPICAL U.N.O.).
   - D. LAY WITH FACE GRAIN PERPENDICULAR TO FRAMING.
   - E. STAGGER SHEETS.
   - F. ALL EDGES BLOCKED, SEE DETAIL **34 / S4.3**.
3. 30" REDBUILT RED-L @ 24" O.C.
   - A. SEE OPEN WEB TRUSS NOTES, SHEET **S1.1**.
   - B. 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.
   - C. ISOLATE INTERIOR NON-BEARING WALLS FROM VERTICAL LOAD PER MANUFACTURER'S RECOMMENDED DETAILS.
4. 8" SOLID GROUTED CMU BEARING WALL.
   - A. SEE DETAIL **51 / S4.2** FOR TYPICAL WALL REINFORCING.
   - B. SEE DETAIL **44 / S4.2** FOR TYPICAL REINFORCING AT OPENINGS.
   - C. SEE DETAIL **53 / S4.1** 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.
   - F. SEE DETAIL **42 / S4.2** FOR TYPICAL LINTEL OVER OPENING.
5. FACE OF BLOCK WALL.
6. LOCATION OF VERTICAL CONTROL JOINT AT CMU WALL.
   - A. SEE DETAIL **54 / S4.1**.
7. NOT USED.
8. SIMPSON 'PA23' STRAP AT 8" SOLID GROUTED CMU WALL.
   - A. SEE DETAIL **23 / S4.3**.
9. SIMPSON 'CMSTC16' STRAP AT BLOCKING.
   - A. EXTEND STRAP 12'-0" MINIMUM OR NEXT JOIST BAY.
   - B. SEE DETAIL **24 / S4.3**.
10. 2x6 PARAPET WALL.
    - A. PROVIDE CONTINUOUS DOUBLE TOP PLATE ACROSS THE TOP OF PARAPET WALL.
11. 2x10 OUTRIGGERS @ 16" O.C.
    - A. MATCH EXISTING OVERHANG.
12. (E) 2x10 RAFTERS.
13. (E) DOUBLE 2x10 HIP RAFTER.
14. 3"Ø STANDARD PIPE PARAPET BRACE.
    - A. SEE DETAIL **11 / S4.3** FOR TYPICAL CONFIGURATION.
    - B. SEE DETAIL **12 & 13 S4.3** FOR TYPICAL CONNECTIONS.
    - C. SCHEDULE 40, ASTM A53, Fy=35 ksi.
15. 2x12 RAFTERS.
16. 2x12 ROOF OVERFRAMING JOISTS TO MATCH (N) ROOF LINE.
    - A. SEE REFERENCED DETAILS.
17. 30" CLEAR SPAN BETWEEN ROOF JOISTS AT HVAC PLENUM.
18. 5"x5"x1/4" HSS COLUMN AT EQUIPMENT TOWER.
    - A. COLUMN CANNOT FALL ON JOIST, PLACE BETWEEN JOISTS.
    - B. SEE DETAIL **31 / S4.2**.
19. 6x8 SHAPED NAILER.

PROJECT

SUPERIOR COURT OF CALIFORNIA
COUNTY OF SAN JOAQUIN

MANTECA BRANCH SITE AND BUILDING IMPROVEMENTS

PHASE 1

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DATES 05/05/11

SIGNED

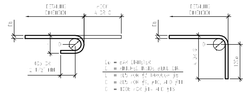
LICENSED ARCHITECT BRUCE DOUGLAS FRASER C 9787 EXPIRES 12-31-11 STATE OF CALIFORNIA

SHEET TITLE

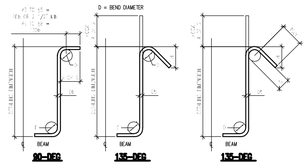
PHASE I
ROOF FRAMING
PLAN

SHEET #

S3.1

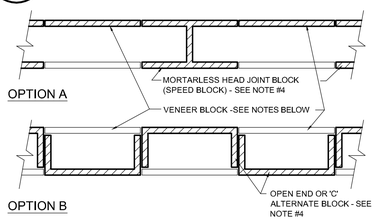


180-DEG.			90-DEG.		
#	A	B	#	A	B
3	3"	1"	3	3"	3"
4	4"	1"	4	4"	4"
5	5"	1"	5	5"	5"
6	6"	1"	6	6"	6"
7	7"	1"	7	7"	7"
8	8"	1"	8	8"	8"
9	9"	1"	9	9"	9"
10	10"	1"	10	10"	10"
11	11"	1"	11	11"	11"



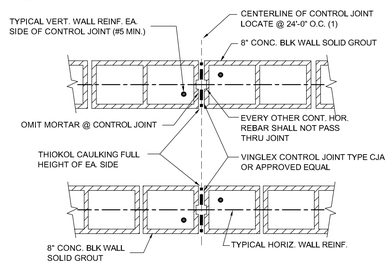
STIRRUP HOOKS (TIE BENDS SIMILAR)			SEISMIC STIRRUP/TIE		
#	A	B	#	A	B
3	1½"	3"	3	1½"	3"
4	2"	4"	4	2"	4"
5	2½"	5"	5	2½"	5"
6	3"	6"	6	3"	6"
7	3½"	7"	7	3½"	7"
8	4"	8"	8	4"	8"
9	4½"	9"	9	4½"	9"
10	5"	10"	10	5"	10"
11	5½"	11"	11	5½"	11"

52 REINF. BENDS & HOOKS
NO SCALE D032001A



NOTES
1. SEE UBC SECTION 2104.6 AND TABLE 21-C FOR FURTHER GROUTING REQUIREMENTS AND LIMITATIONS.
2. CONSTRUCTION SEQUENCE:
   A. CLEAN AND INSPECT (BY BUILDING OFFICIAL) CLEANOUTS.
   B. SEAL CLEANOUTS W/ VENEER BLOCK
   C. GROUT WALL
   D. TO PREVENT BLOWOUTS, ALLOW MORTAR TO CURE 2 DAYS.
3. 8" OR 12" CONC. BLOCK.
4. BOTTOM COURSE OF WALL SHOWN.

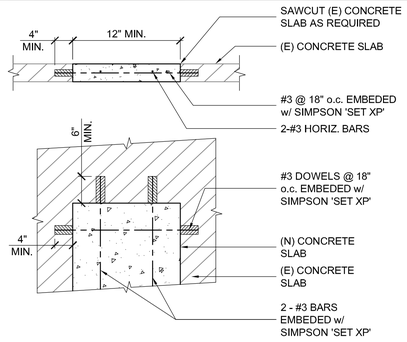
53 CLEANOUT
1" =1' -0" D042014A



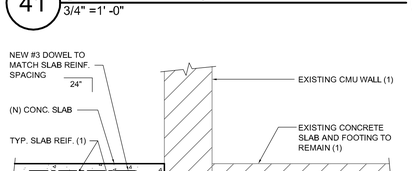
ALTERNATE COURSE

NOTES
1. CONTROL JOINTS SHALL OCCUR AT 24'-0" O.C. (MAX) OR AS SHOWN ON PLANS.
2. JOINT SHALL BE CONTINUOUS FROM TOP OF FOOTING TO FIRST COURSE BELOW CONTINUOUS CHORD REINFORCING. THE REMAINING WALL ABOVE SHALL BE SAW CUT 1/4" DEEP IN LINE WITH JOINT TO TOP OF WALL. FILL CUT WITH CAULKING, HORIZ. LINTEL REINF. SHALL BE CONTINUOUS THRU CONTROL JOINTS.
3. VERIFY LOCATION WITH ARCHITECT / ENGINEER PRIOR TO COMMENCEMENT OF WORK.

54 CMU WALL CNTRL. JOINT
1" =1' -0"

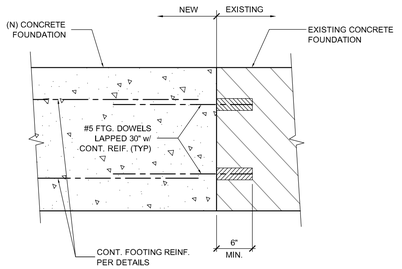


41 SLAB REPAIR
3/4" =1' -0"



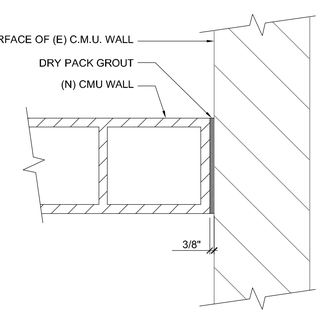
NOTES:
1. SEE FRAMING/FOUNDATION PLAN AND NOTES
2. ICC ESR-2508

42 (N) SLAB @ (E) FOOTING
1" =1' -0"

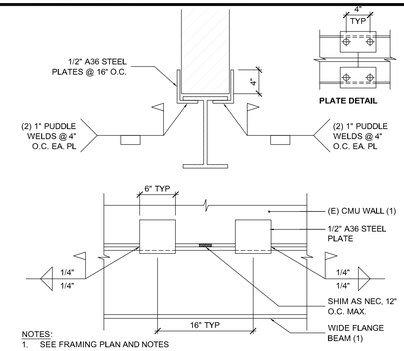


NOTES:
1. INSTALL DOWELS INTO DRILLED HOLE WITH SIMPSON 'SET-XP' EPOXY ADHESIVE. INSTALL PER MANUFACTURERS SPECIFICATIONS.

43 (N) FOOTING @ (E) FNDT.
1" =1' -0"

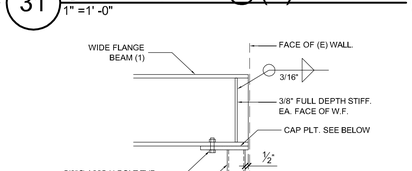


44 (N) C.M.U. WALL @ (E)
2"= 1' -0"



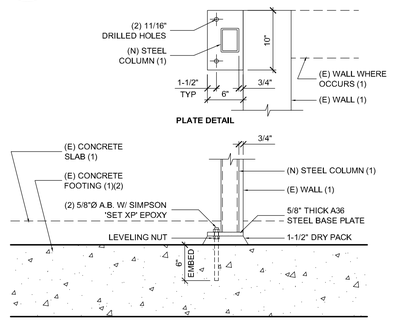
NOTES:
1. SEE FRAMING PLAN AND NOTES

31 STEEL BEAM @ (E) WALL
1" =1' -0"

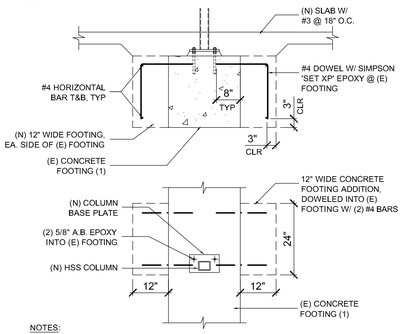


NOTES:
1. SEE FRAMING PLAN AND NOTES

32 STEEL BEAM CONNECTION
1" =1' -0"

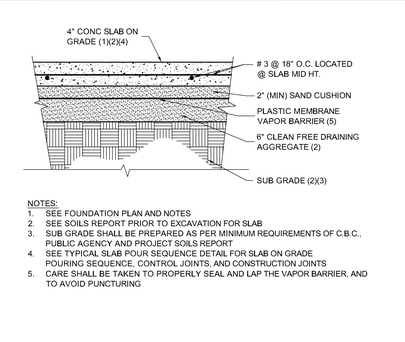


33 STEEL COLUMN BASE
1" =1' -0"



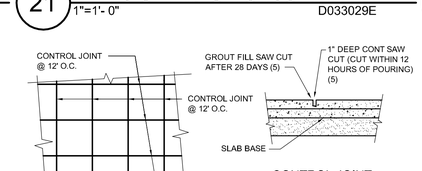
NOTES:
1. SEE FRAMING/FOUNDATION PLAN AND NOTES

34 (N) FOOTING @ (E) FTG
1/2"= 1' -0"



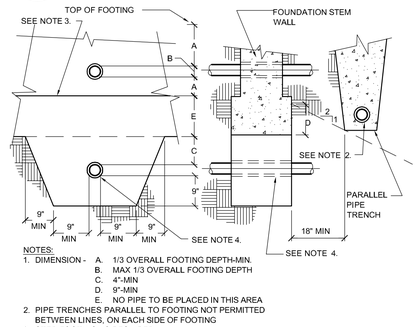
NOTES:
1. SEE FOUNDATION PLAN AND NOTES
2. SEE SOILS REPORT PRIOR TO EXCAVATION FOR SLAB
3. SUB GRADE SHALL BE PREPARED AS PER MINIMUM REQUIREMENTS OF C.B.C., PUBLIC AGENCY AND PROJECT SOILS REPORT
4. SEE TYPICAL SLAB POUR SEQUENCE DETAIL FOR SLAB ON GRADE POURING SEQUENCE, CONTROL JOINTS, AND CONSTRUCTION JOINTS
5. CARE SHALL BE TAKEN TO PROPERLY SEAL AND LAP THE VAPOR BARRIER, AND TO AVOID PUNCTURING

21 TYP. SLAB SECTION
1"=1'- 0" D033029E



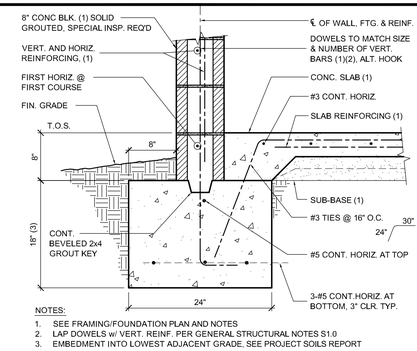
NOTES:
(1) SLAB IS TO BE POURED IN STRIP PATTERN AS SHOWN
(2) ALLOW 2 DAYS (MIN) BETWEEN PLACING ADJACENT STRIP
(3) SEE TYPICAL SLAB SECTION FOR SLAB CONSTRUCTION AND REINF.
(4) PROVIDE JOINTS @ 12' O.C.(MAX) UNLESS OTHERWISE NOTED ON PLANS
(5) CONTRACTOR OPTION: A PLASTIC 'ZIP STRIP' OR 'QUICK-JOINT' MAY BE USED IN LIEU OF SAW CUT

22 CONTROL JOINT
1"=1'-0" D033030B



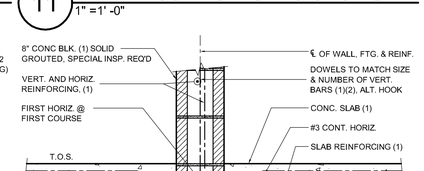
NOTES:
1. DIMENSION - A. 1/3 OVERALL FOOTING DEPTH-MIN.
   B. MAX 1/3 OVERALL FOOTING DEPTH
   C. 4"-MIN
   D. 9"-MIN
   E. NO PIPE TO BE PLACED IN THIS AREA
2. PIPE TRENCHES PARALLEL TO FOOTING NOT PERMITTED BETWEEN LINES, ON EACH SIDE OF FOOTING
3. STEP FOOTING AS REQUIRED
4. G.I.S.M. OR EQUIVALENT PIPE SLEEVE, W/ 1/2" CLEAR ALL AROUND PIPE.

24 PIPE THROUGH FOOTING
1"=1'-0" D033023C



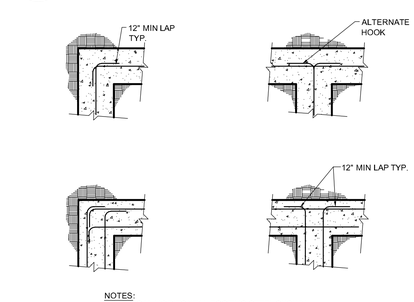
NOTES:
1. SEE FRAMING/FOUNDATION PLAN AND NOTES
2. LAP DOWELS w/ VERT. REINF. PER GENERAL STRUCTURAL NOTES S1.0
3. EMBEDMENT INTO LOWEST ADJACENT GRADE, SEE PROJECT SOILS REPORT

11 EXTERIOR CMU FOOTING
1" =1' -0"



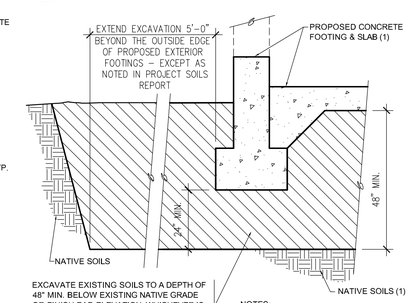
NOTES:
1. SEE FRAMING/FOUNDATION PLAN AND NOTES
2. LAP DOWELS w/ VERT. REINF. PER GENERAL STRUCTURAL NOTES S1.0
3. EMBEDMENT INTO LOWEST ADJACENT GRADE, SEE PROJECT SOILS REPORT

12 INTERIOR C.M.U. FOOTING
1" =1' -0"



NOTES:
1. TYPICAL HORIZONTAL FOOTING STEEL SHOWN
2. VERTICAL STEEL NOT SHOWN FOR CLARITY
3. PLAN VIEW SHOWN
4. SEE SPECIFIC DETAILS FOR SIZE, NUMBER, AND SPACING

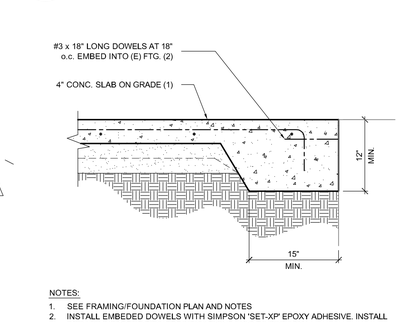
23 TYP. CONCRETE CORNER
1/2"= 1' -0" D033024C



EXCAVATE EXISTING SOILS TO A DEPTH OF 48" MIN. BELOW EXISTING NATIVE GRADE OR FINISH PAD ELEVATION, WHICHEVER IS LOWER AND RECOMPACT MOISTURE CONDITIONED FILL AS PER PROJECT SOILS REPORT.

NOTES:
1). SEE PROJECT SOILS ENGNEER REPORT FOR SPECIFIC RECOMMENDATIONS.

13 EXCAVATION @ FOOTINGS
NTS



NOTES:
1. SEE FRAMING/FOUNDATION PLAN AND NOTES
2. INSTALL EMBEDED DOWELS WITH SIMPSON 'SET-XP' EPOXY ADHESIVE. INSTALL PER MANUFACTURER'S SPECIFICATIONS. (ICC-ES ESR-2508)

14 (N) SLAB
1"= 1' -0" D027009B

\\John\Manteca Courthouse 1007\Drawings\Sheets\Phase 1\S4.1 - Phase I Structural Details.dwg, 5/2/2011 2:43:18 PM, PDF995

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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PROJECT MANAGER BDF

DRAWN BY DL

DATES 05/05/11

SIGNED

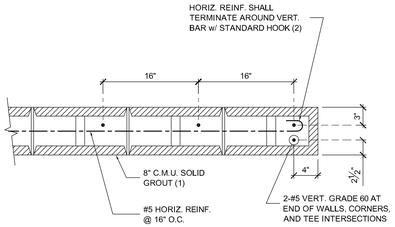
LICENSED ARCHITECT BRUCE DOUGLAS FRASER C 9787 EXPIRES 12-31-11 STATE OF CALIFORNIA

SHEET TITLE

STRUCTURAL DETAILS

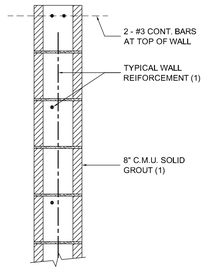
SHEET #

S4.1



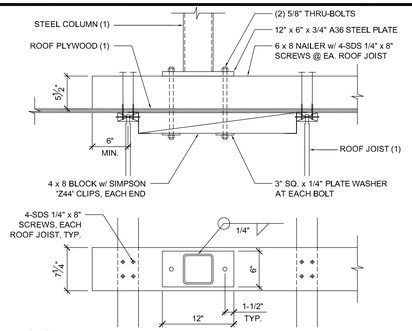
NOTES:
1. SPECIAL INSPECTION REQUIRED
2. IT IS ACCEPTABLE TO USE A 24" LONG DOWEL WITH STANDARD HOOK AT VERTICAL BAR LAPPED IWTH HORIZONTAL STEEL

51 TYPICAL WALL REINF.
1" =1' -0"



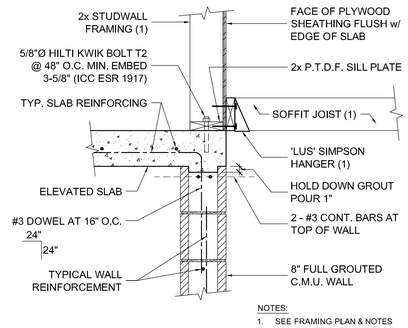
NOTES:
1. SEE FRAMING PLAN & NOTES

41 TYP. TOP OF C.M.U. WALL
1" =1' -0"



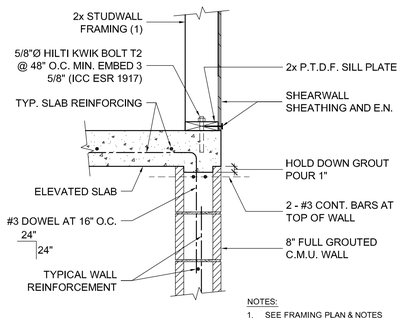
NOTES:
1. SEE FRAMING PLAN AND NOTES

31 EQUIP TOWER TO ROOF
1" =1' -0"



NOTES:
1. SEE FRAMING PLAN & NOTES

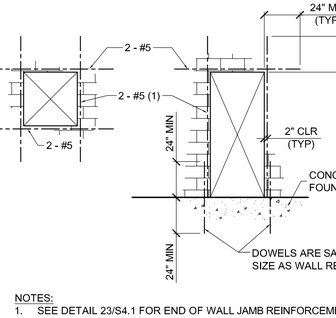
21 SOFFIT FRAMING
1" =1' -0"



NOTES:
1. SEE FRAMING PLAN & NOTES

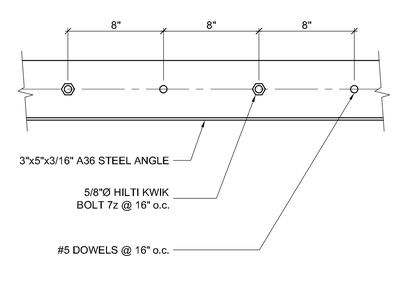
11 PARAPET WALL FRAMING
1" =1' -0"

52 PARAPET @ (E) CMU WALL
3"= 1' -0"



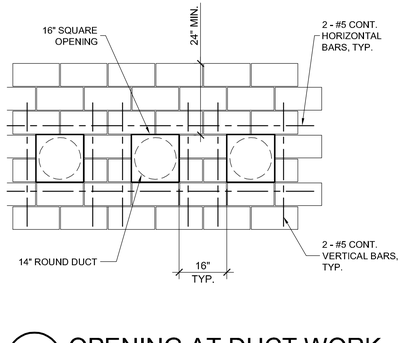
NOTES:
1. SEE FRAMING PLAN & NOTES
2. SEE ARCHITECTURAL PLANS & SECTIONS, MINIMUM LINTEL DEPTH = 16"

42 TYPICAL LINTEL
1" =1' -0"

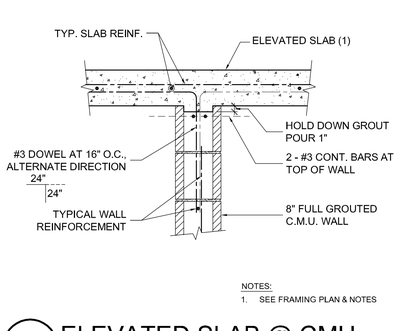


NOTES:
1. SEE FRAMING PLAN & NOTES

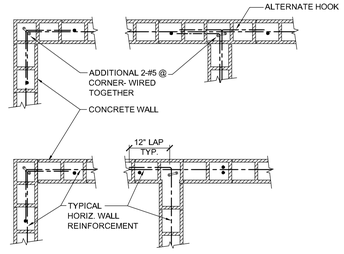
32 ACCESS OPENING
1/2"= 1' -0"



22 SOFFIT FRAMING
1" =1' -0"

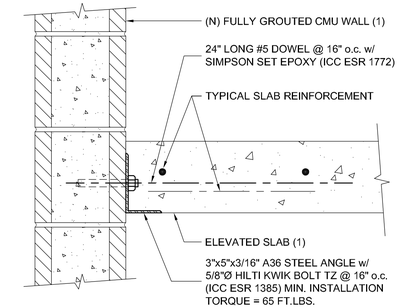


12 SOFFIT FRAMING
1" =1' -0"



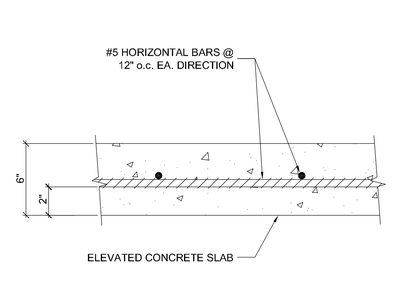
43 TYP. CONC. BLK. WALL @ CORNER
1/2"= 1' -0"

D042015B

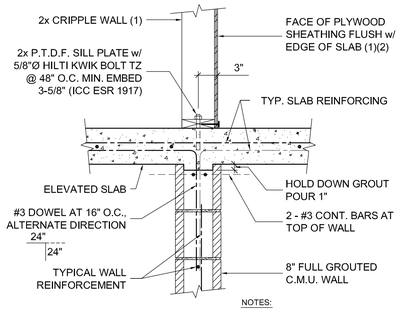


NOTES:
1. SEE FRAMING PLAN & NOTES

33 ELEVATED SLAB @ CMU
2"= 1' -0"



23 ELEVATED CONC. SLAB
2"= 1' -0"



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

13 CRIPPLE WALL FRAMING
1" =1' -0"

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

44 REINF. @ OPENINGS
1/4"= 1' -0"

34 ELEV. SLAB EDGE ANGLE
2"= 1' -0"

24 OPENING AT DUCT WORK
1/2"= 1' -0"

NOTES:
1. SEE FRAMING PLAN & NOTES

14 ELEVATED SLAB @ CMU
1" =1' -0"

\\John\Manteca Courthouse 1007\Drawings\Sheets\Phase 1\S4.1 - Phase I Structural Details.dwg, 5/2/2011 2:53:20 PM, PDF995

PROJECT

SUPERIOR COURT OF CALIFORNIA
COUNTY OF SAN JOAQUIN

MANTECA BRANCH SITE AND BUILDING IMPROVEMENTS

PHASE 1

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PROJECT MANAGER BDF

DRAWN BY DL

DATES 05/05/11

SIGNED

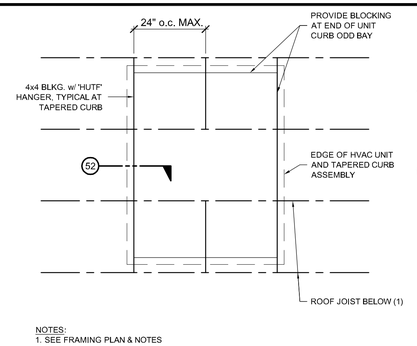
LICENSED ARCHITECT BRUCE DOUGLAS FRASER C 9787 EXPIRES 12-31-11 STATE OF CALIFORNIA

SHEET TITLE

STRUCTURAL DETAILS

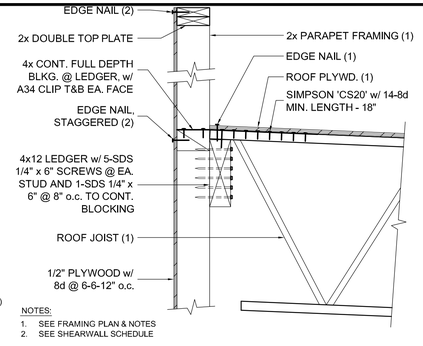
SHEET #

S4.2



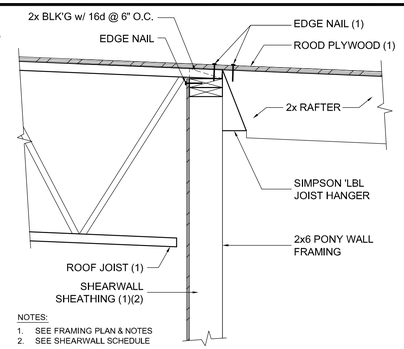
NOTES:
1. SEE FRAMING PLAN & NOTES

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



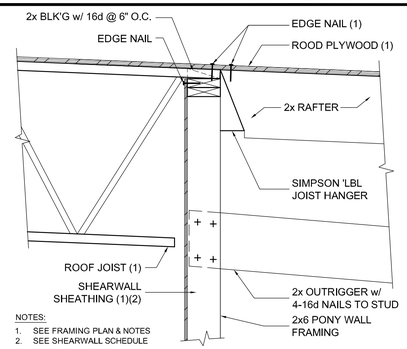
NOTES:
1. SEE FRAMING PLAN & NOTES
2. SEE SHEARWALL SCHEDULE

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



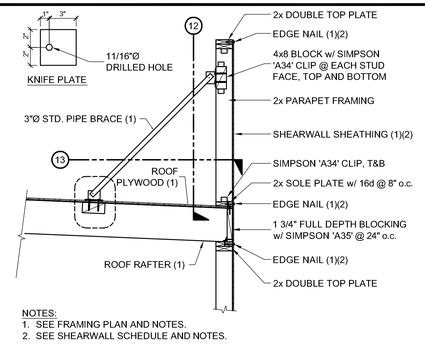
NOTES:
1. SEE FRAMING PLAN & NOTES
2. SEE SHEARWALL SCHEDULE

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



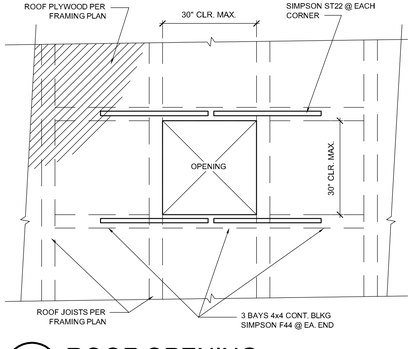
NOTES:
1. SEE FRAMING PLAN & NOTES
2. SEE SHEARWALL SCHEDULE

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

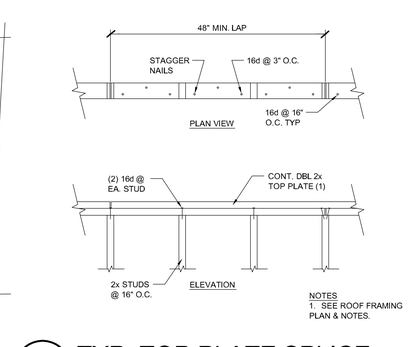


NOTES:
1. SEE FRAMING PLAN AND NOTES.
2. SEE SHEARWALL SCHEDULE AND NOTES.

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

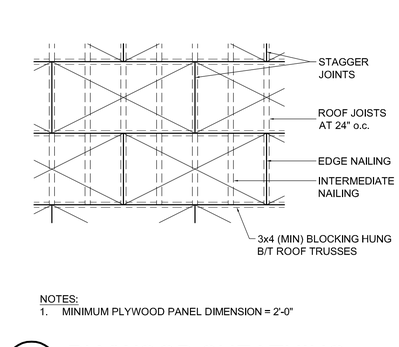


52 ROOF MOUNTED HVAC
1" =1' -0"



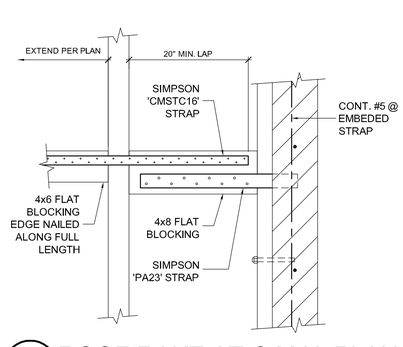
NOTES:
1. SEE FRAMING PLAN AND NOTES.

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



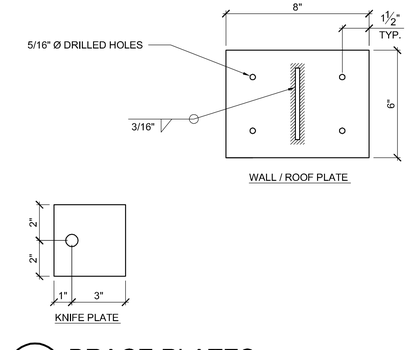
NOTES:
1. SEE FRAMING PLAN AND NOTES.

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



NOTES:
1. SEE FRAMING PLAN AND NOTES.

22 SOFFIT FRAMING
1" =1' -0"



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

NOTES:
1. SEE FRAMING PLAN & NOTES

53 HVAC CURB
3"= 1' -0"

NOTES:
1. SEE FRAMING PLAN AND NOTES.

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

NOTES:
1. SEE FRAMING PLAN & NOTES

33 PARAPET FRAMING
1" =1' -0"

NOTES:
1. SEE FRAMING PLAN AND NOTES.

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

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

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

D061XXXA

NOTES
1. SEE ROOF FRAMING PLAN & NOTES.

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

D061253B

NOTES:
1. MINIMUM PLYWOOD PANEL DIMENSION = 2'-0"

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

24 ROOF RAKE AT C.M.U. PLAN
1" =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 ARCHITECTS

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PROJECT MANAGER BDF

DRAWN BY DL

DATES 05/05/11

SIGNED

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

SHEET TITLE

STRUCTURAL DETAILS

SHEET #

S4.3

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.

- 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

SPECIFICATIONS

MECHANICAL/PLUMBING: THE WORK UNDER THIS SECTION INCLUDES EVERYTHING NECESSARY FOR AND INCIDENTAL TO EXECUTING AND COMPLETING THE MECHANICAL/PLUMBING WORK, EXCEPT AS HEREINAFTER 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 EQUAL, MANUFACTURED FROM GALVANIZED STEEL MEETING THE ASTM A-527-71. ALL DUCT GAUGES SHALL CONFORM WITH TABLE 6-8, CMC 2007

- 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 MICROLITE 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 EQUAL. 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 AT 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 RATTLE.

- 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 NAMEPLATE DATA

PLUMBING FITTINGS AND PIPING:

- SOIL, WASTE, AND VENT: ABOVE AND BELOW GRADE: PLASTIC ABS OR PVC PIPE AND FITTINGS WITH SOLVENT 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 ML-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 'MCOA' OR EQUIVALENT.

- LAVATORY TRAPS AND H. W. SUPPLIES: PROWRAP, PROTECTIVE KIT BY MCGUIRE 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.

- BACKFILLING 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 THE 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.

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	FLEXIBLE DUCT IF NOTED	RIGID ROUND DUCT	–		SMOKE DECTECTOR	SD
	CEILING EXHAUST FAN	CEF		FLEXIBLE ROUND DUCT	–		FLEXIBLE CONNECTION	FC
	SIDEWALL GRILLE, REGISTER, OR LOUVER	–		POINT OF CONNECTION OR DISCONNECTION	POC/POD	T S	THERMOSTAT SENSOR	–
MARK-CFM	GRILLE, DIFFUSER, REGISTER, OR LOUVER TAG	–	Ø	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	**EER**	ENERGY EFFICIENCY RATIO	**MFR**	MANUFACTURER	**SP**	STATIC PRESSURE
AD	ACCESS DOOR	**ELEC**	ELECTRICAL	**(N)**	NEW	**SEER**	SEASONAL ENERGY EFFICIENCY RATIO
AFF	ABOVE FINISH FLOOR	**ESP**	EXTERNAL STATIC PRESSURE	**N/A**	NOT APPLICABLE	**SHT**	SHEET
ALUM	ALUMINUM	**EWB**	ENTERING WET BULB	**NFA**	NET FREE AREA	**SQ**	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
BLDG	BUILDING	**FC**	FLEXIBLE CONNECTION	**NOM**	NOMINAL	**TBR**	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	**OAI**	OUTSIDE AIR INTAKE	**UL**	UNDERWRITER'S LABORATORIES
CFD	CEILING FIRE DAMPER	**FPM**	FEET PER MINUTE	**OBD**	OPPOSED BLADE DAMPER	**UON**	UNLESS OTHERWISE NOTED
CFM	CUBIC FEET PER MINUTE	**FSD**	COMBINATION FIRE/SMOKE DAMPER	**OD**	OUTSIDE DIAMETER	**UTR**	UP THROUGH ROOF
CONN	CONNECTION	**GA**	U.S. GAUGE (OR GAGE)	**OPER**	OPERATING	**VD**	VOLUME DAMPER
CSE	CALIFORNIA SEASONAL EFFICIENCY	**GALV**	GALVANIZED	**OSA**	OFFICE OF STATE ARCHITECT	**W/**	WITH
CTE	CAP TO EXISTING	**GC**	GENERAL CONTRACTOR	**PC**	PLUMBING CONTRACTOR	**W/O**	WITHOUT
CU	CONDENSING UNIT	**GPM**	GALLONS PER MINUTE	**PLMG**	PLUMBING	**WB**	WET BULB
DET	DETAIL	**GSM**	GALVANIZED SHEET METAL	**POC**	POINT OF CONNECTION	**WG**	WATER GAUGE
DIA	DIAMETER	**HP**	HORSEPOWER	**POD**	POINT OF DISCONNECTION	**WMS**	WIRE MESH SCREEN
DIV	DIVISION	**HR**	HOUR, HOURS	**PRESS**	PRESSURE	**WT**	WEIGHT
DN	DOWN	**HVAC**	HEATING, VENTILATING, AIR CONDITIONING	**PSI**	POUNDS PER SQUARE INCH	**WFB**	WALL FIRE DAMPER
DWG	DRAWING	**ID**	INSIDE DIAMETER	**RA**	RETURN AIR	**(X2)**	TYPICAL OF 2
(E)	EXISTING	**LBS**	POUNDS	**REV**	REVISION		
EA	EXHAUST AIR	**KBH**	BTU PER HOUR (THOUSANDS)	**RND**	ROUND		
EC	ELECTRICAL CONTRACTOR	**MC**	MECHANICAL CONTRACTOR	**RPM**	REVOLUTIONS PER MINUTE		

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	HWR		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	**EWC**	ELECTRIC WATER COOLER	**MBTUH**	BTU PER HOUR (THOUSANDS)	**TA**	TEMPERATURE
ADA	AMERICAN DISABILITIES ACT	**EXP**	EXPOSED	**MFR**	MANUFACTURE, MANUFACTURER	**TV**	ALARM TEMPERING VALVE
AFF	ABOVE FINISH FLOOR	**FD**	FLOOR DRAIN	**MH**	MANHOLE	**TXV**	THERMOSTATIC EXPANSION VALVE
ARCH	ARCHITECTURAL, ARCHITECT	**FF**	FINISH FLOOR	**(N)**	NEW	**TYP**	TYPICAL
B	BATHTUB	**FG**	FINISH GRADE	**NIC**	NOT IN CONTRACT	**URN**	URINAL
BEH	BEHIND	**FS**	FLOOR SINK	**NTS**	NOT TO SCALE	**UON**	UNLESS OTHERWISE NOTED
BEL	BELOW	**FT**	FLUSH TANK OR FEET	**P**	PUMP	**UTR**	UP THROUGH ROOF
BLDG	BUILDING	**FU**	FIXTURE UNITS	**PH**	PHASE	**VS**	VACUUM SWITCH
CD	CONDENSATE DRAIN	**FV**	FLUSH VALVE	**PIV**	POST INDICATOR VALVE	**VTR**	VENT THROUGH ROOF
CFH	CUBIC FEET PER HOUR	**GA**	GAUGE (OR GAGE)	**PSI**	POUNDS PER SQUARE INCH	**W**	WASTE
CI	CAST IRON	**GALV**	GALVANIZED	**RD**	ROOF DRAIN	**WC**	WATER CLOSET
CLG	CEILING	**GO**	GAS OUTLET	**RH**	RIGHT HAND	**WCH**	WATER CHILLER
CP	CHROME PLATED	**GPM**	GALLONS PER MINUTE	**RH&C**	ROUGH IN AND CONNECT	**WH**	WATER HEATER
DCW	DOMESTIC COLD WATER	**HB**	HOSE BIBB	**RPM**	REVOLUTIONS PER MINUTE	**WT**	WEIGHT
DF	DRINKING FOUNTAIN	**HP**	HORSEPOWER	**RM**	ROOM	**W/**	WITH
DN	DOWN	**LH**	LEFT HAND	**S**	SINK	**W/O**	WITHOUT
(E)	EXISTING	**L.**	LAVATORY	**SD**	STORM DRAIN	**ZV**	ZONE VALVE
ELEC	ELECTRICAL	**KW**	KILLOWATTS	**SH**	SHOWER		

NOTE

AIR-MOVING SYSTEMS SUPPLYING IN EXCESS OF 2000 CUBIC FEET PER MINUTE TO ENCLOSED SPACES WITHIN BUILDINGS SHALL BE EQUIPPED WITH AN AUTOMATIC SHUTOFF. SHUTOFFS SHALL STOP THE AIR-MOVING EQUIPMENT WHEN SMOKE IS DETECTED IN ROOMS SERVED BY THE SYSTEM THIS CODE SECTION DOES NOT APPLY. PROJECT AIR-MOVING SYSTEM USED IS LESS THAN 2000CFM

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

SIGNED

REGISTERED PROFESSIONAL ENGINEER JAMES L. VAN DE VANTER M31205 Exp. 12/31/11 MECHANICAL STATE OF CALIFORNIA

SHEET TITLE

PHASE I
GENERAL NOTES,
LEGENDS,
ABBREVIATIONS,
& SPECIFICATIONS

SHEET #

MP1.1

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 ENTHALPY 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	DOME	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
CSD-1	TITUS	SG-PR	10"X10"	BORDER TYPE 1	STEEL	SOFT WHITE	YES	2
CSD-2	TITUS	MCD	12"X12"	BORDER TYPE 1	STEEL	SOFT WHITE	YES	2
WSD-1	TITUS	TBF-AA	SIZE 6	BORDER TYPE 1	ALUMINUM	SOFT WHITE	–	–
CRG-1	TITUS	350RL	12"X18"	BORDER TYPE 1	STEEL	SOFT WHITE	YES	1
CEG-1	TITUS	SG-PR	10"X10"	BORDER TYPE 1	STEEL	SOFT WHITE	YES	1

NOTES:
1. PAINT GRILLE CANS FLAT BLACK INSIDE
2. MATCH DEFLECTIONS SEEN ON PLAN

LEGEND

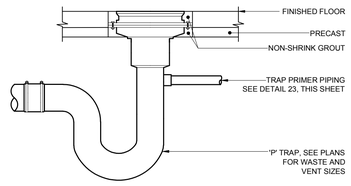
MOUNTING LOCATION		FUNCTION		DEVICE	
C	CEILING	E	EXHAUST	D	DIFFUSER
D	DUCT	R	RETURN	G	GRILLE
Dr	DOOR	S	SUPPLY	R	REGISTER
W	WALL	I	INTAKE	L	LOUVER
F	FLOOR	V	VENTILATION	S	SLOT

EXAMPLE: CSD=CEILING SUPPLY DIFFUSER

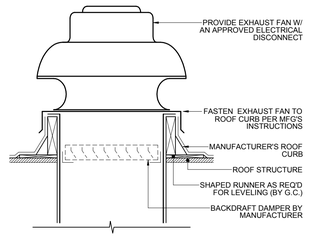
PLUMBING FIXTURE SCHEDULE

SYMBOL	MAKE & MODEL	DESCRIPTION	ROUGH IN SIZES				FITTINGS OR ACC.	NOTES
			HW	CW	W	V		
WC-1	ACORN #1418-FA-CT-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
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	–

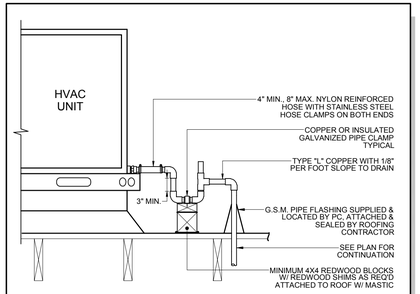
NOTES:
1. ALL FIXTURES DESIGNATED TO BE ACCESSIBLE TO INDIVIDUALS WITH DISABILITIES SHALL BE IN ACCORDANCE WITH THE "AMERICANS WITH DISABILITIES ACT OF 1990" FIXTURES AND THEIR INSTALLATION SHALL ALSO COMPLY WITH AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) PUBLICATION A117.1 – "PROVIDING ACCESSIBILITY 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 CONFIRGURATION



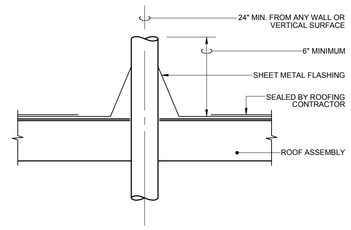
51 FLOOR DRAIN W/ TRAP PRIMER
NO SCALE



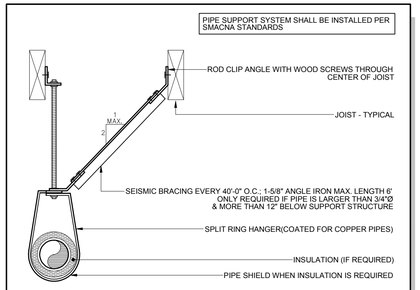
41 ROOF MOUNTED EXHAUST FAN
NO SCALE



31 HVAC UNIT CONDENSATE DRAIN
NO SCALE

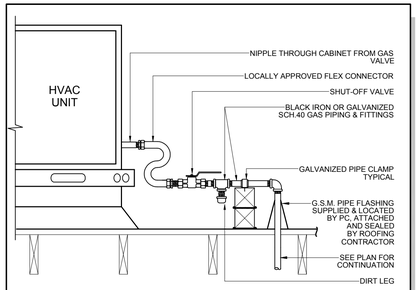


52 VENT THROUGH ROOF
NO SCALE

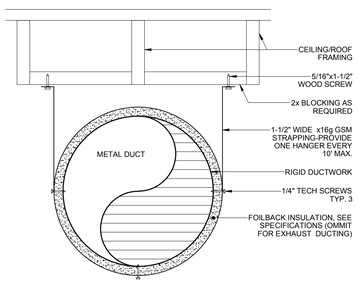


HANGER RODS - SIZE AND SPACING SCHEDULE						
		MAXIMUM HANGER SPACING				
		WATER AND WASTE				NATURAL GAS
PIPE SIZE	MIN. HANGER ROD SIZE	COPPER	STEEL SCH. 40	CAST IRON STD.	PLASTIC DWV/SCH. 40	SCH. 40
1/2"	1/4"	6 FT.	6 FT.	-	4 FT.	6 FT.
3/4"	1/4"	6 FT.	6 FT.	-	4 FT.	8 FT.
1"	1/4"	6 FT.	8 FT.	-	4 FT.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

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

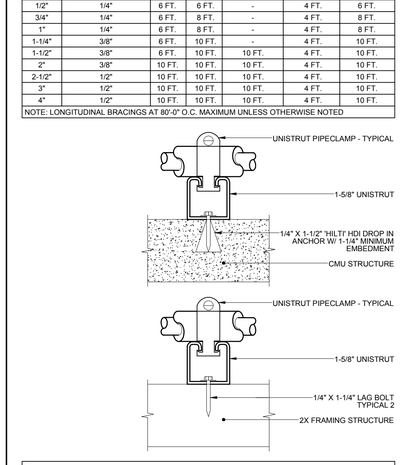


32 GAS PIPING CONNECTION
NO SCALE



53 RIGID DUCT SUPPORT
NO SCALE

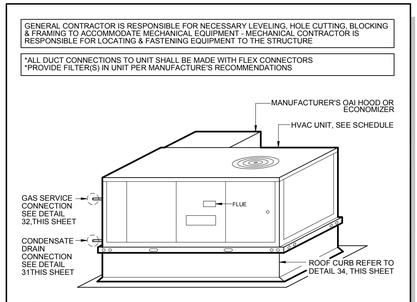
SIZE AND SPACING SCHEDULE			
	MAXIMUM HANGER SPACING		
	WATER, WASTE, AND VENT		NATURAL GAS
PIPE SIZE	COPPER	PLASTIC DWV/SCH. 40	SCH. 40 IRON
1/2"	6 FT.	4 FT.	6 FT.
3/4"	6 FT.	4 FT.	8 FT.
1"	6 FT.	4 FT.	8 FT.
1-1/4"	6 FT.	4 FT.	10 FT.
1-1/2"	6 FT.	4 FT.	10 FT.
2"	10 FT.	4 FT.	10 FT.
2-1/2"	10 FT.	4 FT.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



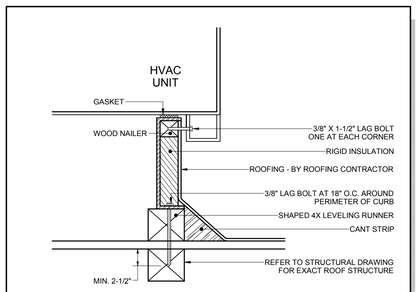
44 TYPICAL PIPING SUPPORT
NO SCALE

GENERAL CONTRACTOR IS RESPONSIBLE FOR NECESSARY LEVELING, HOLE CUTTING, BLOCKING & FRAMING TO ACCOMMODATE MECHANICAL EQUIPMENT - MECHANICAL CONTRACTOR IS RESPONSIBLE FOR LOCATING & FASTENING EQUIPMENT TO THE STRUCTURE

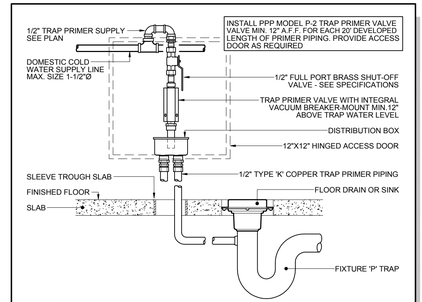
*ALL DUCT CONNECTIONS TO UNIT SHALL BE MADE WITH FLEX CONNECTORS
*PROVIDE FILTER(S) IN UNIT PER MANUFACTURE'S RECOMMENDATIONS



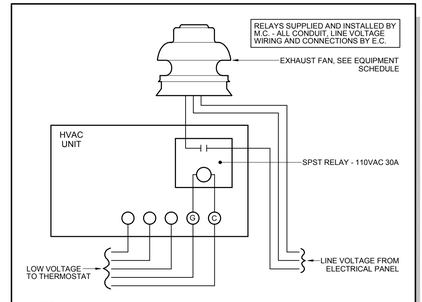
33 ROOF MOUNTED HVAC UNIT
NO SCALE



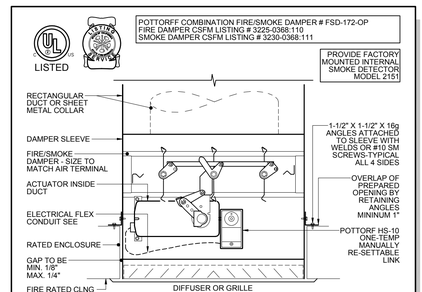
34 TYPICAL ROOF CURB
NO SCALE



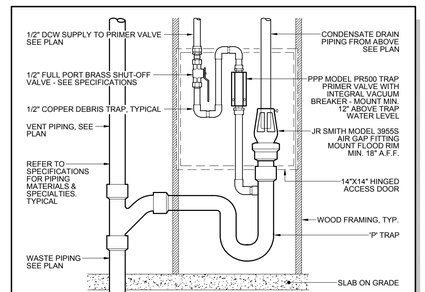
23 TRAP SEAL PRIMER
NO SCALE



13 EF/AC INTERLOCK
NO SCALE



24 1-1/2 HOUR CEILING FIRE/SMOKE DAMPER
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

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DATES 05/05/11

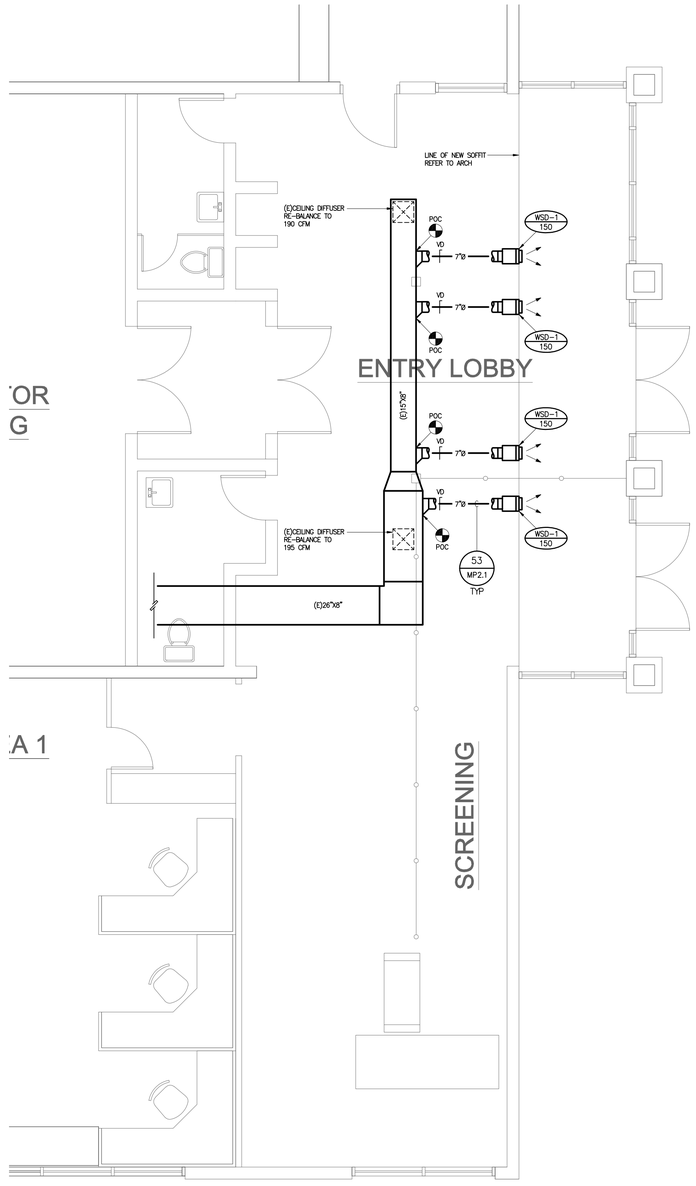
SIGNED

REGISTERED PROFESSIONAL ENGINEER JAMES L. VAN DE VANTER M31205 MECHANICAL STATE OF CALIFORNIA exp. 12/31/11

SHEET TITLE

PHASE I SCHEDULES & DETAILS

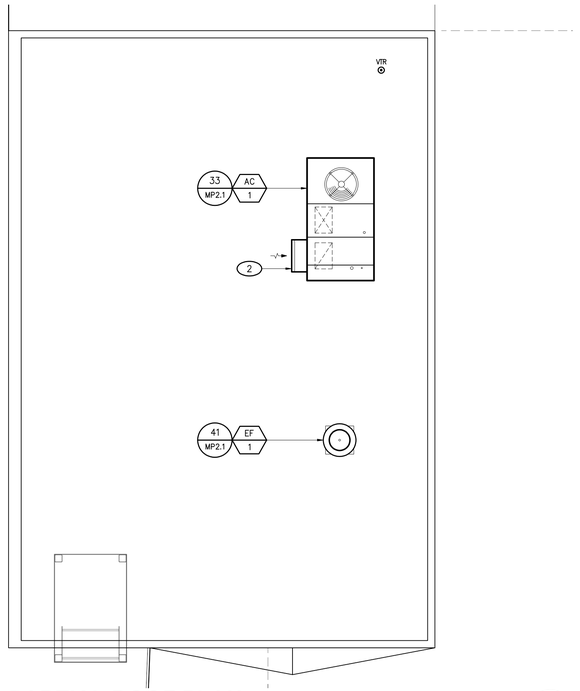
SHEET # **MP2.1**



PARTIAL FLOOR PLAN

1/4" = 1'-0"

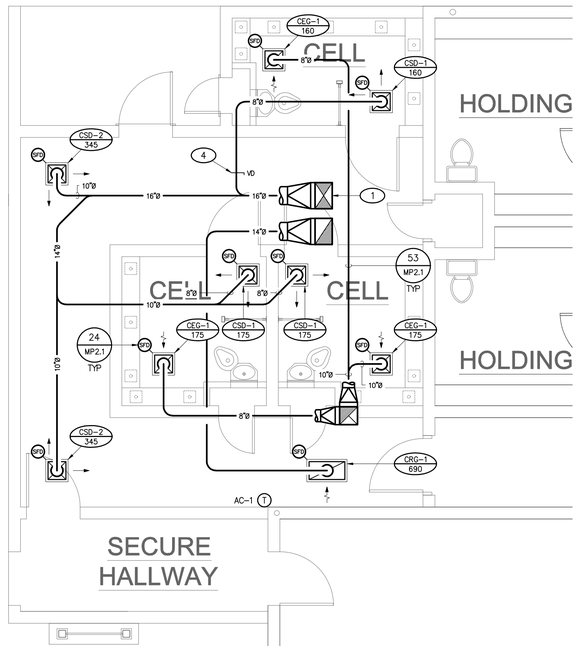
C



PARTIAL ROOF PLAN

1/4" = 1'-0"

B



PARTIAL FLOOR PLAN

1/4" = 1'-0"

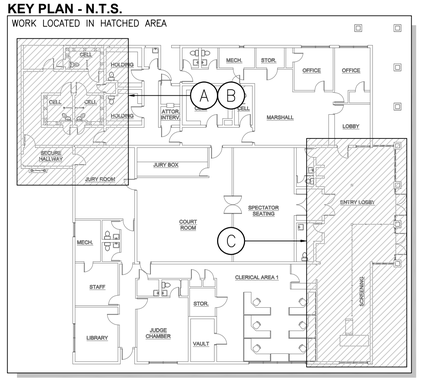
A

NOTE

SEE SHEET T-5 FOR WALL RATINGS LEGEND

KEY PLAN - N.T.S.

WORK LOCATED IN HATCHED AREA



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	NOT USED
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

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JVA JOB # M11014

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DATES 05/05/11

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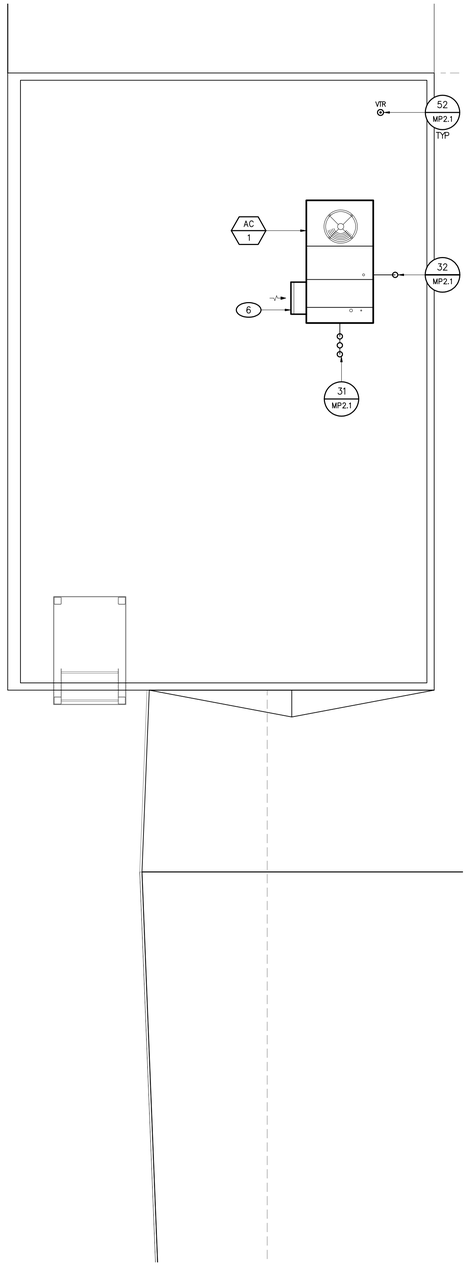
SHEET TITLE

PHASE I MECHANICAL ROOF & FLOOR PLANS

SHEET #

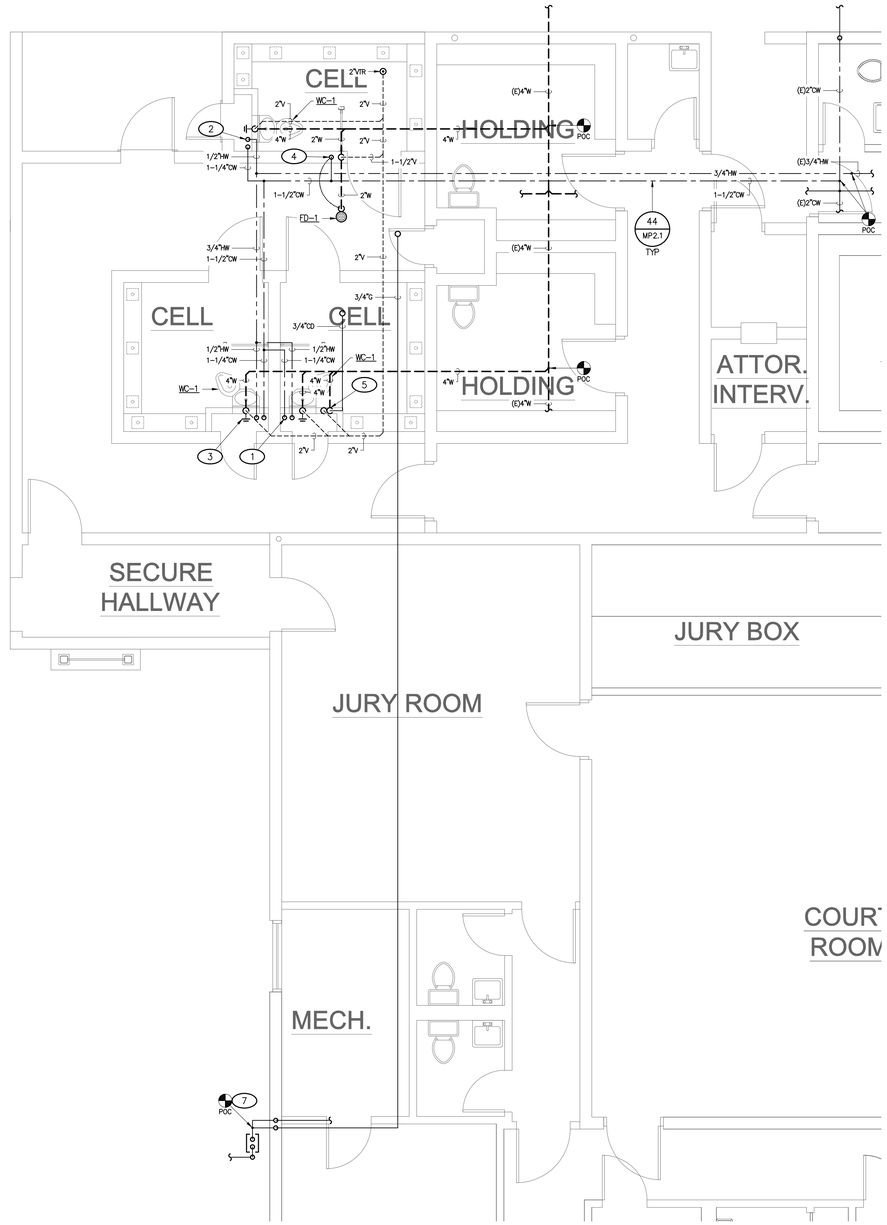
MP3.1



PLUMBING - PARTIAL ROOF PLAN

1/4" = 1'-0"

(B)



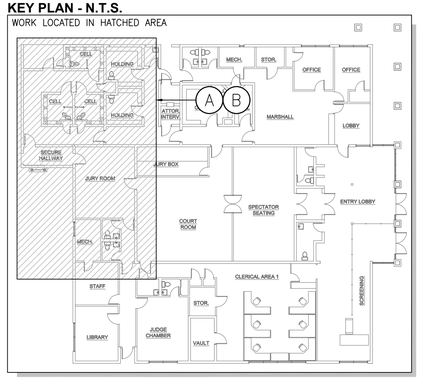
PLUMBING - PARTIAL FLOOR PLAN

1/4" = 1'-0"

(A)

KEY PLAN - N.T.S.

WORK LOCATED IN HATCHED AREA



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'RD RESIDUAL PSI AT FURTHEST FIXTURE	TOTAL DEVEL'D LENGTH [D+(Dx0.25)]	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"	2-1/2"
COLD WATER (MAX. 8 FPS)	7	15	29	56	97	245	460
HOT WATER (MAX. 5 FPS)	3	8	18	28	45	115	241

SIZED PER APPENDIX 'A', 2007 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, 2007 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, 2007 CPC

REFERENCE NOTES

1. 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
2. 1/2"HW DOWN PLUMBING CHASE TO LAVATORY CONNECTION. PROVIDE FULL PORT BRASS SOV – TYPICAL
3. 4" CLEANOUT ON EXPOSED WASTE PIPING
4. 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
5. 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
6. 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
7. 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

PROJECT

SUPERIOR COURT OF CALIFORNIA
COUNTY OF SAN JOAQUIN

MANTECA BRANCH SITE AND BUILDING IMPROVEMENTS

PHASE 1

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PROJECT MANAGER TDR

DRAWN BY TDR

DATES 05/05/11

SIGNED

REGISTERED PROFESSIONAL ENGINEER JAMES L. VAN DE VANTER M31205 MECHANICAL STATE OF CALIFORNIA EXP. 12/31/11

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 2010 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 NEGLIGENT 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 IN INCHES TO CENTERLINE ABOVE FINISH FLOOR SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED:

   +18" AFF: RECEPTACLES, TELEPHONE, TV & DATA OUTLETS.
   +48" AFF: LIGHT SWITCHES.
   +48" AFF: FIRE ALARM MANUAL PULL STATIONS, T-STATS.
   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 2007 CBC, SECTION 1614A.1.13 AND ASCE 7-05 SECTIONS 13.3, 13.4 & 13.6.

   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

1. 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.

2. EXHAUST FANS SHALL BE PROVIDED & INSTALLED BY MECHANICAL CONTRACTOR WITH WIRING CONNECTIONS MADE BY ELECTRICAL CONTRACTOR.

3. 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.

4. 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

1. 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)
- A 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
- TV TELEVISION OUTLET

MISCELLANEOUS

- MOTOR
- T THERMOSTAT
- CIRCUIT BREAKER
- FUSIBLE SWITCH
- ø 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

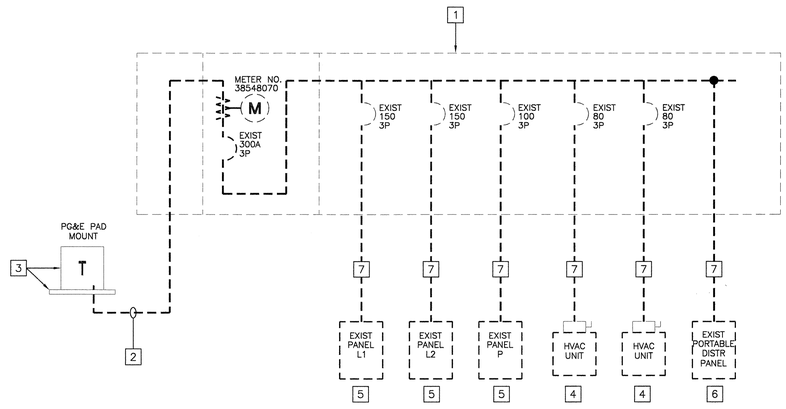
- $ SPST
- $2 DPST
- $3 3-WAY
- $4 4-WAY
- $D DIMMER
- $T TIMER SWITCH
- $T W/THERMAL OVERLOAD
- $P W/PILOT LIGHT
- $K KEY OPERATED
- $$ DUAL LEVEL SWITCHING
- (a) SWITCHLEG DESIGNATION
- OS OCCUPANCY SENSOR
- OS PC OCCUPANCY SENSOR WITH PHOTOSENSOR

FIRE ALARM

- H HORN- AUDIBLE DEVICE
- V VISUAL- VISUAL DEVICE
- AV AUDIBLE/VISUAL
- F FLOW SWITCH
- T TAMPER SWITCH
- P MANUAL PULL STATION
- SD SMOKE DETECTOR
- SD D DUCT SMOKE DETECTOR
- H HEAT DETECTOR
- B 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

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

PROJECT

SUPERIOR COURT OF CALIFORNIA
COUNTY OF SAN JOAQUIN

MANTECA BRANCH SITE AND BUILDING IMPROVEMENTS

PHASE 1

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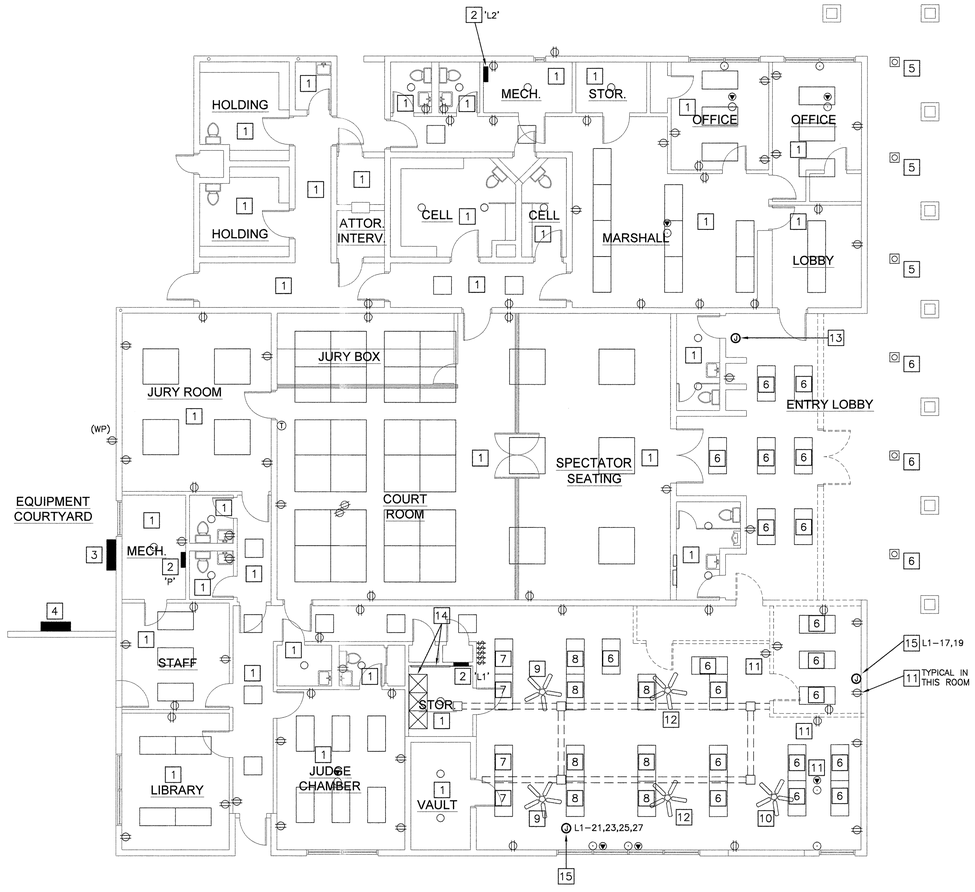
SHEET TITLE

GENERAL NOTES, LEGEND AND ABBREVIATIONS

SHEET #

E1.0



ELECTRICAL DEMOLITION FLOOR PLAN

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

NORTH

REFERENCE NOTES

1. EXISTING ELECTRICAL EQUIPMENT 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. EXISTING RECESSED DOWNLIGHT TO REMAIN, CLEAN AND RELAMP.
6. EXISTING LIGHTNG FIXTURE TO BE REMOVED.
7. EXISTING LIGHTING FIXTURE TO REMAIN, CLEAN, RELAMP AND PROVIDE NEW LENSE.
8. EXISTING LIGHTING FIXTURE TO BE RELOCATED, SEE LIGHTING PLAN FOR NEW LOCATION.
9. EXISTING PADDLE FAN TO REMAIN.
10. EXISTING PADDLE FAN TO BE REMOVED.
11. EXISTING OUTLET TO BE REMOVED.
12. EXISTING PADDLE FAN TO BE RELOCATED, SEE LIGHTING PLAN FOR NEW LOCATION.
13. TERMINATE EXISTING LIGHTING BRANCH 'L2-10' IN CEILING AS REQUIRED FOR EXTENSION TO NEW LOBBY LIGHTING, SEE LIGHTING FLOOR PLAN.
14. EXISTING TELEPHONE BACKBOARD AND DATA EQUIPMENT TO REMAIN.
15. 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".

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THOMA #11-8014

PROJECT MANAGER RP

DRAWN BY LB

DATES 05/05/11

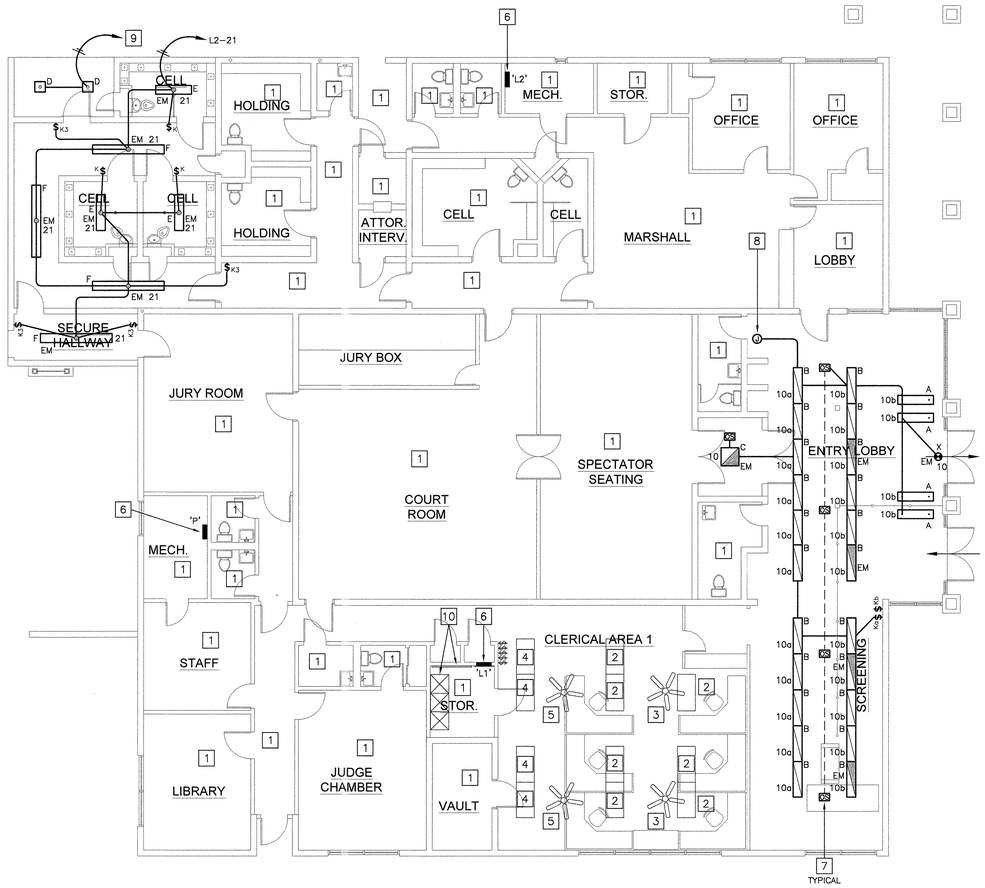
SIGNED

SHEET TITLE

ELECTRICAL DEMOLITION FLOOR PLAN

SHEET #

E2.0



ELECTRICAL LIGHTING FLOOR PLAN

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

NORTH

REFERENCE NOTES

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

PROJECT

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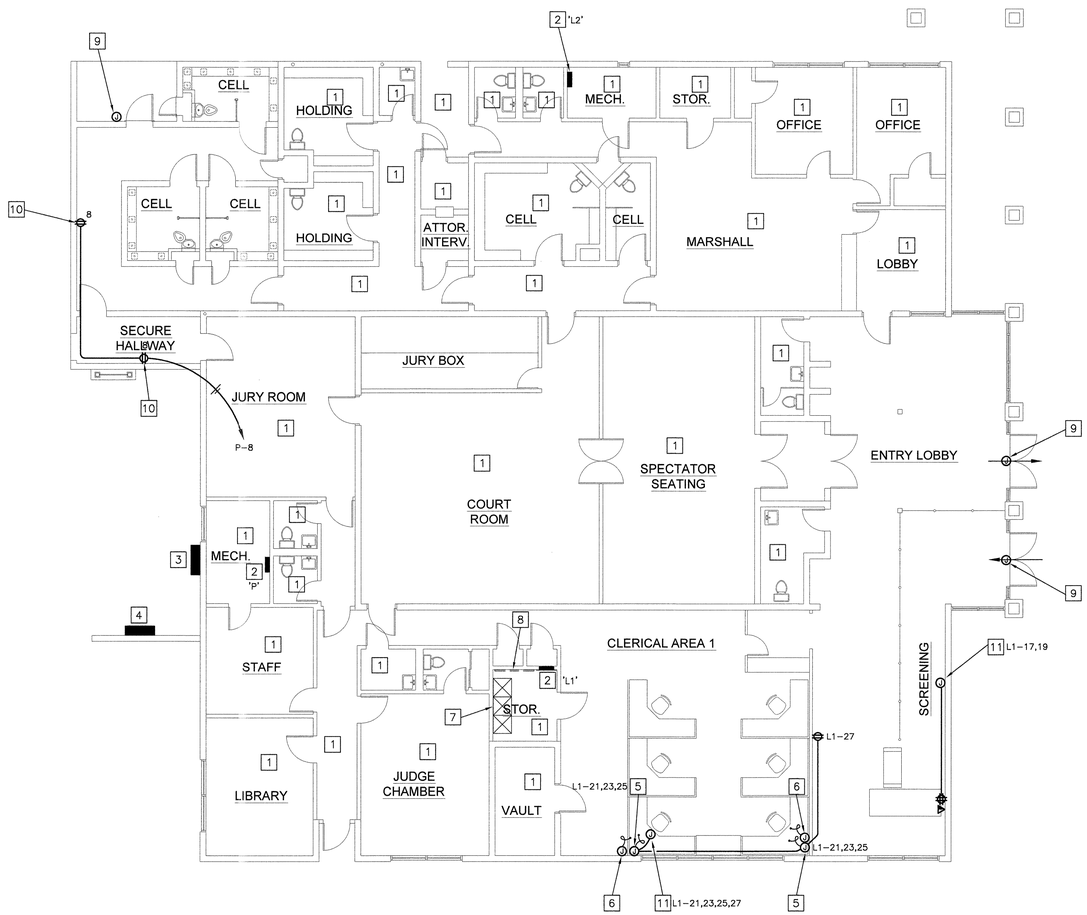
SHEET TITLE
ELECTRICAL LIGHTING FLOOR PLAN

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.

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

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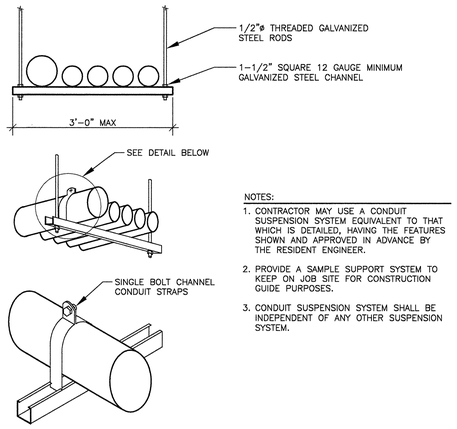
SHEET TITLE
ELECTRICAL POWER FLOOR PLAN

SHEET # **E2.2**

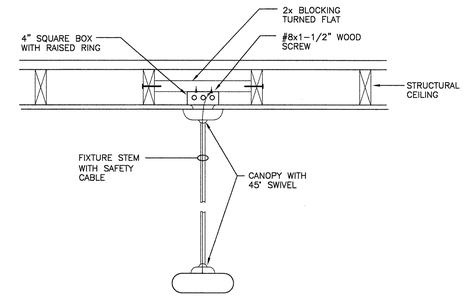


NOTES:

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.

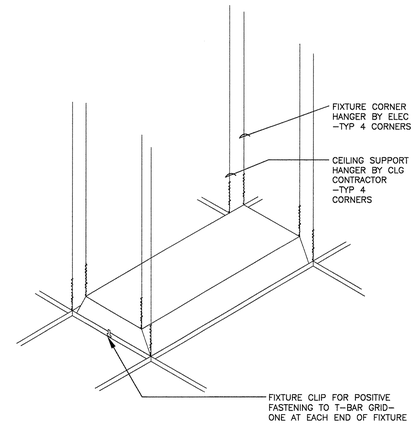
5 TYPICAL CONDUIT SUPPORT SYSTEM DETAIL

NTS



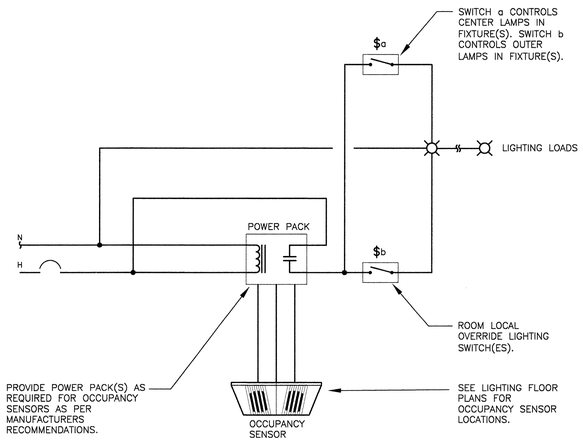
3 PENDANT FIXTURE SEISMIC BRACING DETAIL

NTS



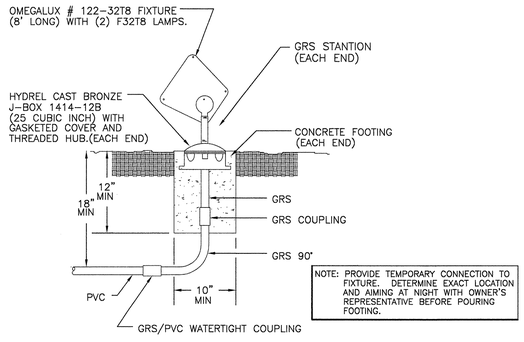
1 TROFFER SUPPORT

NTS



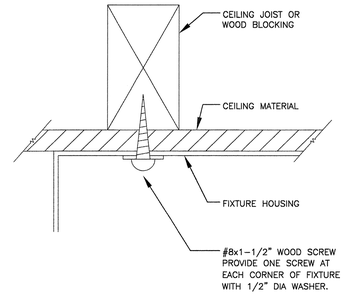
6 OCCUPANCY SENSOR WIRING DIAGRAM

NTS



4 SIGN FLOOD FIXTURE MOUNTING DETAIL

NTS



2 SURFACE FIXTURE MOUNTING DETAIL

NTS

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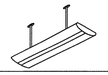
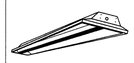
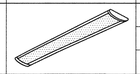
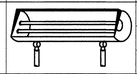
SHEET TITLE
ELECTRICAL DETAILS

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 CEC ARTICLE 410.73(G).

LIGHTING FIXTURE SCHEDULE

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

SEE NOTE

200A, 120/208V, 3Ø, 4W
24 EXIST. CB SPACES
EXIST. WESCO NQB TYPE
PANEL

(E) PANEL **P**

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)	20/2	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

SEE NOTE: 2

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
42 EXIST. CB SPACES
EXIST. WESCO NQB TYPE
PANEL

(E) PANEL **L2**

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)				(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	EXISTING BRANCH CIRCUIT	22
23	EXISTING BRANCH CIRCUITS	20/1	(E)				(E)		EXISTING BRANCH CIRCUIT	24
25	SPACE						(E)	3	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
42 EXIST. CB SPACES
EXIST. WESCO NQB TYPE
PANEL

(E) PANEL **L1**

FLUSH MOUNT, NEMA 1
LOCATION: STORAGE 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)						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 A/C UNIT	36
37	EXISTING BRANCH CIRCUITS	20/1	(E)				(E)	20/2		38
39	EXISTING BRANCH CIRCUITS	20/1	(E)				(E)	20/1	EXISTING HAND DRYER	40
41	EXISTING BRANCH CIRCUITS	20/1	(E)				(E)	20/2		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

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

thoma ENGINEERING
THOMA ELECTRIC, INC.
P.O. Box 1167 - 3562 Empleo St.
San Luis Obispo, CA 93406
Phone: (805) 543-3850
Fax: (805) 543-3829
cad@thomaelec.com
REGISTERED PROFESSIONAL ENGINEER WILLIAM A. THOMA NO. 10757 ELECTRICAL STATE OF CALIFORNIA
EXPIRES: 06/30/11
THOMA #11-8014

PROJECT MANAGER RP

DRAWN BY LB

DATES 05/05/11

SIGNED

SHEET TITLE
ELECTRICAL SCHEDULES

SHEET # **E4.0**

INDOOR LIGHTING POWER ALLOWANCE — LTG-3C

Project Name: *SAN JOAQUIN CO. SUPERIOR COURT*
Date: *3/28/2011*

ALLOWED LIGHTING POWER (Chose One Method)

A Separate LTG-3C must be filled out for Conditioned and Unconditioned Spaces. Indoor Lighting Power Allowances listed on this page are only for:

☑ CONDITIONED SPACES ☐ UNCONDITIONED SPACES

COMPLETE BUILDING METHOD

BUILDING CATEGORY (From §146 Table 146-E)	WATTS PER (ft^2)	X	COMPLETE BLDG. AREA	=	ALLOWED WATTS
	TOTALS				
			AREA		WATTS

AREA CATEGORY METHOD

BUILDING CATEGORY (From §146 Table 146-F)	WATTS PER (ft^2)	X	Area ft^2	=	ALLOWED WATTS
Lobby, Main Entry	*1.50*		*1,201*		*1,802*
Corridor/Restroom/Support	*0.60*		*384*		*230*
Police/Fire Station	*0.90*		*238*		*214*
	TOTALS		*1,823*		*2,246*
			AREA		WATTS

TAILORED METHOD

Total Allowed Watts using the Tailored Method taken from LTG-4C (Page 1 of 4) Row 3: *0*

The indoor lighting power allowance using the Tailored Method of compliance shall be determined using the LTG-4C set of forms. A separate set of LTG-4C forms shall be filled out for CONDITIONED and UNCONDITIONED spaces

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CERTIFICATE OF COMPLIANCE (Part 3 of 4) — LTG-1C

Project Name: *SAN JOAQUIN CO. SUPERIOR COURT*
Date: *3/28/2011*

INDOOR LIGHTING SCHEDULE and FIELD INSPECTION ENERGY CHECKLIST

Fill in controls for all spaces: a) area controls, b) multi-level controls, c) manual daylighting controls for daylit areas > 250 ft^2, automatic daylighting controls for daylit areas > 2,500 ft^2, d) shut-off controls, e) display lighting controls, f) tailored lighting controls – general lighting controlled separately from display, ornamental and display case lighting and g) demand responsive automatic controls for retail stores > 50,000 ft^2, in accordance with Section 131.

MANDATORY LIGHTING CONTROLS – FIELD INSPECTION ENERGY CHECKLIST

Type/ Description	Number of Units	Location in Building	Special Features	Field Inspector Pass	Field Inspector Fail
			☐	☐	☐
			☐	☐	☐
			☐	☐	☐
			☐	☐	☐
			☐	☐	☐
			☐	☐	☐
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			☐	☐	☐
			☐	☐	☐
			☐	☐	☐
			☐	☐	☐
			☐	☐	☐
			☐	☐	☐
			☐	☐	☐
			☐	☐	☐

SPECIAL FEATURES INSPECTION CHECKLIST (See Page 2 of 4 of LTG-1C)

The local enforcement agency should pay special attention to the items specified in this checklist. These items require special written justification and documentation, and special verification. The local enforcement agency determines the adequacy of the justification, and may reject a building or design that otherwise complies based on the adequacy of the special justification and documentation submitted.

Field Inspector's Notes or Discrepancies:

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CERTIFICATE OF COMPLIANCE (Part 1 of 4) — LTG-1C

Project Name: *SAN JOAQUIN CO. SUPERIOR COURT*
Date: *3/28/2011*

Project Address: *315 E. Center St. Manteca*
Climate Zone: *12*
Total Cond. Floor Area: *1,823*
Unconditioned Floor Area: *0*

GENERAL INFORMATION

Building Type: ☑ Nonresidential ☐ High-Rise Residential ☐ Hotel/Motel Guest Room
☐ School ☐ Relocatable Public School ☑ Conditioned Spaces ☐ Unconditioned Spaces
Phase of Construction: ☐ New Construction ☐ Addition ☐ Alteration
Method of Compliance: ☐ Complete Building ☑ Area Category ☐ Tailored

Documentation Author's Declaration Statement

I certify that this Certificate of Compliance documentation is accurate and complete.

Name: *William Thoma*
Signature:
Company: *Thoma Electric, Inc*
Date: *3/28/2011*
Address: *3562 Empleo Street*
CEA #
CEPE #
City/State/Zip: *San Luis Obispo, CA 93401*
Phone: *805-543-3850*

The 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 compliance 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: *805-543-3850*
Address: *3562 Empleo St.*
License #: 10757
City/State/Zip: *San Luis Obispo, CA 93401*
Date: 5/5/2011

Lighting Mandatory Measures
Indicate location on building plans of Mandatory Measures Note Block: E5.0

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.

☑	LTG-1C Pages 1 through 4	Certificate of Compliance. All Pages required on plans for all submittals.
☐	LTG-2C	Lighting Controls Credit Worksheet
☑	LTG-3C	Indoor Lighting Power Allowance
☐	LTG-4C Pages 1 through 4	Tailored Method Worksheet
☐	LTG-5C Pages 1 and 2	Line Voltage Track Lighting Worksheet

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LIGHTING MANDATORY MEASURES: NONRESIDENTIAL — LTG-MM

Project Name: *SAN JOAQUIN CO. SUPERIOR COURT*
Date: *3/28/2011*

Indoor Lighting Measures:

§131(d):	**Shut-off Controls**
1.	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 119 and may be an occupancy sensor, automatic time switch, or other device capable of automatically shutting off the lighting.
2.	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.
§119(h):	Automatic Control Devices Certified: All automatic control devices specified are certified, all alternate equipment shall be certified and installed as directed by the manufacturer.
§111:	Fluorescent Ballast and Luminaires Certified: All fluorescent fixtures specified for the project are certified and listed in the Directory. All installed fixtures shall be certified.
§131(a):	Individual Room/Area Controls: Each room and area in this building is equipped with a separate switch or occupancy sensor device for each area with floor-to-ceiling walls.
§131(b):	Uniform Reduction for Individual Rooms: 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.
§131(c):	Daylight Area Control: 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 daylit 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.
§131(c):	Display Lighting. Display lighting shall be separately switched on circuits that are 20 amps or less.6.

Outdoor Lighting Measures:

§130(c)1:	Mandatory lighting power determination for medium base sockets without permanently installed ballasts
§132(a):	All permanently installed luminaires with lamps rated over 100 Watts either have a lamp efficacy of at least 60 lumens per Watt or are controlled by a motion sensor.
§132(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 Cutoff Requirements.
§132(c)1:	All permanently installed outdoor lighting meets the control requirements listed.
§132(c):	Building facades, parking lots, garages, canopies, and outdoor sales areas meet the Multi-Level Lighting Requirements listed.

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CERTIFICATE OF COMPLIANCE (Part 4 of 4) — LTG-1C

Project Name: *SAN JOAQUIN CO. SUPERIOR COURT*
Date: *3/28/2011*

CONDITIONED AND UNCONDITIONED SPACE LIGHTING MUST NOT BE COMBINED FOR COMPLIANCE

Indoor Lighting Power for Conditioned Spaces	Watts	Indoor Lighting Power for Unconditioned Spaces	Watts
Installed Lighting (from Conditioned LTG-1C, Page 2)	*2,200*	**Installed** Lighting (from Unconditioned LTG-1C, Page 2)	*0*
Lighting Control Credit Conditioned Spaces (from LTG-2C) -	*0*	Lighting Control Credit Unconditioned Spaces (from LTG-2C) -	*0*
Adjusted **Installed** Lighting Power =	*2,200*	Adjusted **Installed** Lighting Power =	*0*
Complies if **Installed ≤ Allowed**	↕	Complies if **Installed ≤ Allowed**	↕
Allowed Lighting Power Conditioned Spaces (from LTG-3C or PERF-1)	*2,246*	**Allowed** Lighting Power Unconditioned Spaces (from LTG-3C)	*0*

Required Acceptance Tests

Designer:

This form is to be used by the designer and attached to the plans. Listed below is the acceptance test for the Lighting system, **LTG-2A and LTG-3A**. The designer is required to check the acceptance tests and list all control devices 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 NA7 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. **Forms can be grouped by type of Luminaire controlled.**

Enforcement Agency:

Systems Acceptance. 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 **LTG-2A and LTG-3A** 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 §10-103(b) of Title 24 Part 6. The field inspector must receive the properly filled out and signed forms before the building can receive final occupancy. A copy of the **LTG-2A and LTG-3A** for each different lighting luminaire control(s) must be provided to the owner of the building for their records.

Controls for Credits				LTG-2A and LTG-3A
Equipment Requiring Testing	Description	Number of Luminaire controls	Location	Controls and Sensors and Automatic Daylighting Controls Acceptance
				☐
				☐
				☐
				☐
				☐
				☐
				☐
				☐
				☐
				☐
				☐
				☐
				☐
				☐
				☐
				☐

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CERTIFICATE OF COMPLIANCE (Part 2 of 4) — LTG-1C

Project Name: *SAN JOAQUIN CO. SUPERIOR COURT*
Date: *3/28/2011*

INDOOR LIGHTING SCHEDULE and FIELD INSPECTION ENERGY CHECKLIST

Installation Certificate, LTG-1- INST (Retain a copy and verify form is completed and signed.) **Field Inspector** ☐
Certificate of Acceptance, LTG-2A and LTG-3A (Retain a copy and verify form is completed and signed.) **Field Inspector** ☐

A separate Lighting Schedule Must Be Filled Out for Conditioned and Unconditioned Spaces Installed Lighting Power listed on this Lighting Schedule is only for:

☑ **CONDITIONED SPACE** ☐ **UNCONDITIONED SPACE**

☑ The actual indoor lighting power listed below includes all installed permanent and portable lighting systems in accordance with §146(a).

☑ Only for offices: Up to the first 0.2 watts per square foot of portable lighting shall not be required to be included in the calculation of actual indoor lighting power density in accordance with the Exception to §146(a). All portable lighting in excess of 0.2 watts per square foot is totaled below.

	Luminaire (Type, Lamps, Ballasts)	Installed Watts							
A	B	C	D	E		F	G	H	
				How wattage Was determined				Field Inspector[2]	
None or Item Tag	Complete Luminaire Description[1] (i.e, 3 lamp fluorescent troffer, F32T8, one dimmable electronic ballasts)		Watts per Luminaire[1]	CEC Default From NA8	According To §130 (d or e)	Number of Luminaires	Installed Watts (D X F)	Pass	Fail
A	*(2)28W T5*		*58.0*	☐	☑	*4*	*232*	☐	☐
B	*(2)28W T5*		*58.0*	☐	☑	*22*	*1,276*	☐	☐
C	*(2)14W T5*		*38.0*	☐	☑	*1*	*38*	☐	☐
E	*(2)28W T5*		*58.0*	☐	☑	*3*	*174*	☐	☐
F	*(4)28W T5*		*120.0*	☐	☑	*4*	*480*	☐	☐
				☐	☐			☐	☐
				☐	☐			☐	☐
				☐	☐			☐	☐
				☐	☐			☐	☐
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				☐	☐			☐	☐
				☐	☐			☐	☐
				☐	☐			☐	☐
				☐	☐			☐	☐
				☐	☐			☐	☐
				☐	☐			☐	☐

Installed Watts Page Total: *2,200*

Building total number of pages:
Installed Watts Building Total (Sum of all pages) Enter into LTG-1C Page 4 of 4: *2,200*

[1] Wattage shall be determined according to Section 130 (d and e). Wattage shall be rating of light fixture, not rating of bulb.
[2] If Fail then describe on Page 2 of the Inspection Checklist Form and take appropriate action to correct. Verify building plans if necessary.

EnergyPro 5.1 by EnergySoft *User Number: 6405* ***RunCode: 2011-03-28T16:21:20*** *ID: 11-8014* *Page 2 of 11*

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

REGISTERED PROFESSIONAL ENGINEER
WILLIAM A. THOMA
NO. 10757
ELECTRICAL
STATE OF CALIFORNIA

PROJECT MANAGER RP

DRAWN BY LB

DATES 05/05/11

SIGNED

SHEET TITLE

INTERIOR TITLE 24 COMPLIANCE FORMS

SHEET #

E5.0

OUTDOOR LIGHTING WORKSHEET (Part 2 of 3) OLTG-2C

Project Name: SAN JOAQUIN CO. SUPERIOR COURT — Date: 3/28/2011

D. SPECIFIC APPLICATION LIGHTING WATTAGE ALLOWANCE PER APPLICATION

DETERMINE WATTAGE ALLOWANCE				DESIGN WATTS					ALLOWANCE
A	B	C	D	E	F	G	H	I	J
Specific Lighting Application	Number of Applications	Specific Application Allowance (watts)	Wattage Allowance (B X C)	Luminaire Symbol	Luminaire Type	Lumin QTY	Watts Per Luminaire	Design Watts (G X H)	Allowed Watts Minimum of D or I
ENTRANCE/EXIT	1	100	100	D	(1)42W TRT	1	48.0	48	48
ENTRANCE/EXIT	1	100	100	D	(1)42W TRT	1	48.0	48	48
Enter total into OLTG-1C, Page 4 of 4, Row D, Specific Application Wattage Allowance Per Application									96

E. SPECIFIC APPLICATION LIGHTING WATTAGE ALLOWANCE PER AREA

DETERMINE WATTAGE ALLOWANCE				LUMINAIRE TYPE		DESIGN WATTS			
A	B	C	D	E	F	G	H	I	J
Specific Lighting Application	Illuminated Area of Application	Specific Application Allowance, (watts per ft²)	Wattage Allowance (B X C)	Code for Luminaire Type	Luminaire Type	Lumin QTY	Watts Per Luminaire	Design Watts (G X H)	Allowed Watts Minimum of D or I
Enter total into OLTG-1C; Page 4 of 4; Row E; Specific Application Lighting Wattage Allowance Per Area									0

CERTIFICATE OF COMPLIANCE (Part 3 of 4) OLTG-1C

Project Name: SAN JOAQUIN CO. SUPERIOR COURT — Date: 3/28/2011

A. OUTDOOR LIGHTING ZONE

OUTDOOR LIGHTING ZONE: ☐ OLZ 1 ☐ OLZ 2 ☑ OLZ 3 ☐ OLZ 4

Is the Outdoor Lighting Zone: ☑ Default in accordance with §10-114, or ☐ Amended by JHA

Complete the information below if the default Outdoor Lighting Zone has been amended by the local jurisdiction having authority (JHA):

- ☐ The site is a government designated park, recreational area, wildlife preserve, or portion thereof, and has been designated as LZ2 or LZ3, in accordance with Table 10-114-A, because the site is contained within such a zone.
- ☐ The local jurisdiction having authority has officially adopted a change to the State Default Lighting Zone and has notified the Energy Commission by providing the materials required in §10-114(d) to the Executive Director.
- ☐ The adopted change is posted on the Energy Commission website.

B. ADDITIONAL LIGHTING POWER ALLOWANCE FOR ORDINANCE REQUIREMENTS

Are additional lighting power allowances for ordinance in Table 147-C used? ☐ Yes ☑ No

Complete the information below if additional lighting power allowances for ordinance requirements are used:

- ☐ The local jurisdiction having authority has officially adopted specific outdoor light levels, which are expressed as average or minimum footcandle levels, by following a public process that allowed for formal public notification, review, and comment about the proposed change.
- ☐ The local jurisdiction having authority which adopted specific outdoor light levels and has notified the Commission by providing the following materials required §10-114(f) to the Executive Director.

C. ACCEPTANCE FORMS

Required Acceptance Tests

Designer:

This form is to be used by the designer and attached to the plans. Listed below is the acceptance test for the Lighting system, **OLTG-2A**. The designer is required to check the acceptance tests and list all control devices 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 NA7 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. **Forms can be grouped by type of Luminaire controlled.**

Enforcement Agency:

Systems Acceptance 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 **OLTG-2A** form is not considered a complete form and is 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 §10-103(b) of Title 24 Part 6. The field inspector must receive the properly filled out and signed forms before the building can receive final occupancy. A copy of the **OLTG-2A** for each different lighting luminaire control(s) must be provided to the owner of the building for their records.

Certificate of Acceptance

Luminaires Controlled				OLTG-2A[1]
Equipment Requiring Testing	Description	Qty. of Like Controls	Location	Outdoor Lighting Acceptance Tests

1. Insert: **OMS** for Outdoor Motion Sensor; **OLSC** for Outdoor Lighting Shutoff Controls; **OP** for Outdoor Photocontrol; **ATS** for Astronomical Time Switch; and, **STS** for Standard (non-astronomical) Time Switch acceptance.

CERTIFICATE OF COMPLIANCE (Part 1 of 4) OLTG-1C

Project Name: SAN JOAQUIN CO. SUPERIOR COURT — Date: 3/28/2011

Project Address: 916 E. Center St. Manteca, CA 95336 — Total Illuminated Area: 0

GENERAL INFORMATION

Phase of Construction: ☐ New Construction ☐ Addition ☐ Alteration

Documentation Author's Declaration Statement

I certify that this Certificate of Compliance documentation is accurate and complete.

Name	William Thome	Signature	
Company	Thoma Electric, Inc	Date	3/28/2011
Address	3562 Empleo Street	CEA # / CEPE #	
City/State/Zip	San Luis Obispo, CA 93401	Phone	805-543-3850

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 compliance 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 Thome	Signature	
Company	Thoma Electric Inc.	Phone	805-543-3850
Address	3562 Empleo St.	License #	10757
City/State/Zip	San Luis Obispo, CA 93401	Date	5/5/2011

Principal Lighting Designer's Declaration

☑ 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.

Outdoor Lighting Mandatory Measures
Indicate location on building plans of Mandatory Measures Note Block: E5.0

LIGHTING COMPLIANCE FORMS & WORKSHEETS (check box if workaheets 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

☑	OLTG-1C	Certificate of Compliance. All 4 pages required on plans for all submittals.
☐	OLTG-2C	(Pages 1 of 3) Lighting Wattage Allowances for General Hardscape, Sales Frontage, or Ornamental Lighting. Optional on plans.
☑	OLTG-2C	(Pages 2 of 3) Lighting Wattage Allowance for Per Application or Per Area. Optional on plans.
☐	OLTG-2C	(Pages 3 of 3) Additional Lighting Power Allowance for Ordinance Requirements. Optional on plans.

CERTIFICATE OF COMPLIANCE (Part 4 of 4) OLTG-1C

Project Name: SAN JOAQUIN CO. SUPERIOR COURT — Date: 3/28/2011

ALLOWED AND INSTALLED OUTDOOR LIGHTING POWER

		Lighting Wattage Power Allowance
A	Lighting power allowance for general hardscape (from OLTG-2C Page 1 of 3)	0
B	Specific application lighting wattage allowance per unit length (from OLTG-2C Page 1 of 3)	0
C	Specific application lighting wattage allowance for ornamental lighting (from OLTG-2C Page 1 of 3)	0
D	Specific application lighting wattage allowance per application (from OLTG-2C Page 2 of 3)	96
E	Specific application lighting wattage allowance per area (from OLTG-2C Page 2 of 3)	0
F	Specific application lighting wattage allowance for ordinance requirements (from OLTG-2C Page 3 of 3)	0
G	Total Allowed Wattage = Sum of rows A through F:	96
H	Total installed watts (from Compliance Fixture Schedule, (from OLTG-2C Page 1 of 3)	96
Complies if wattage in row H is less than or equal to the wattages in row G		☑ Yes ☐ No

CERTIFICATE OF COMPLIANCE (Part 2 of 4) OLTG-1C

Project Name: SAN JOAQUIN CO. SUPERIOR COURT — Date: 3/28/2011

COMPLIANCE FIXTURE / LIGHTING CONTROL SCHEDULE and FIELD INSPECTION CHECKLIST

INSTALLATION CERTIFICATE, OLTG-1INST (Retain a copy and verify form is completed and signed.) **Field Inspection** ☐

CERTIFICATE OF ACCEPTANCE, OLTG-2A (Retain a copy and verify form is completed and signed.) **Field Inspection** ☐

Luminaire Schedule										
A	B	C	D	E	F		G	H	I	
Name or Item Tag	Luminaire Description[1] See footnote below (i.e.: 1 lamp pole-top shoe-box 400 watt metal halide)	Cutoff Designation	Watts per Luminaire	Special Features	How wattage was determined: Default from MAs	According to (D or E)	Number of Luminaires	Installed Watts (D X G)	Field Inspector[2] Pass	Fail
D	(1)42W TRT		48.0	☐	☐	☑	2	96	☐	☐
				☐	☐	☐			☐	☐
				☐	☐	☐			☐	☐
				☐	☐	☐			☐	☐
				☐	☐	☐			☐	☐
				☐	☐	☐			☐	☐
				☐	☐	☐			☐	☐
				☐	☐	☐			☐	☐
				☐	☐	☐			☐	☐
Enter total into OLTG-1C; Page 4 of 4: Row H; Total Installed Watts:								96		

1. Type of luminaire (i.e.: post top, wall pack, surface, shoe box); for non-incandescent luminaires, indicate nominal lamp wattage and lamp type (i.e. fluorescent, incandescent, HID); ballast type (i.e.: electronic or magnetic); number of lamps and number of ballasts per luminaire. For incandescent luminaires, the luminaire wattage listed in column D shall be the maximum relamping rated wattage on a permanent factory-installed label on the luminaire, NOT the wattage of the lamp (bulb) used, in accordance with Section 130(d or e).
2. If Fail then describe on Page 2 of the Inspection Checklist Form and take appropriate action to correct. Verify building plans if necessary.

EXEMPT LUMINAIRES **Field Inspection** ☐

Name or Symbol	Description of exempt luminaires in accordance with §147

MANDATORY CONTROLS **Field Inspection** ☐

#	Description	Location	#	Description	Location

SPECIAL FEATURES INSPECTION CHECKLIST (See Page 2 of 4 of OLTG-1C)

The local enforcement agency should pay special attention to the items specified in this checklist. These items require special written justification and documentation, and special verification. The local enforcement agency determines the adequacy of the justification, and may reject a building or design that otherwise complies based on the adequacy of the special justification and documentation submitted.

Filed Inspector Notes or Discrepancies:

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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THOMA #11-8014

REGISTERED PROFESSIONAL ENGINEER — WILLIAM A. THOMA — NO. 10757 — ELECTRICAL — STATE OF CALIFORNIA

PROJECT MANAGER RP

DRAWN BY LB

DATES 05/05/11

SIGNED

SHEET TITLE

EXTERIOR TITLE 24 COMPLIANCE FORMS

SHEET # **E5.1**