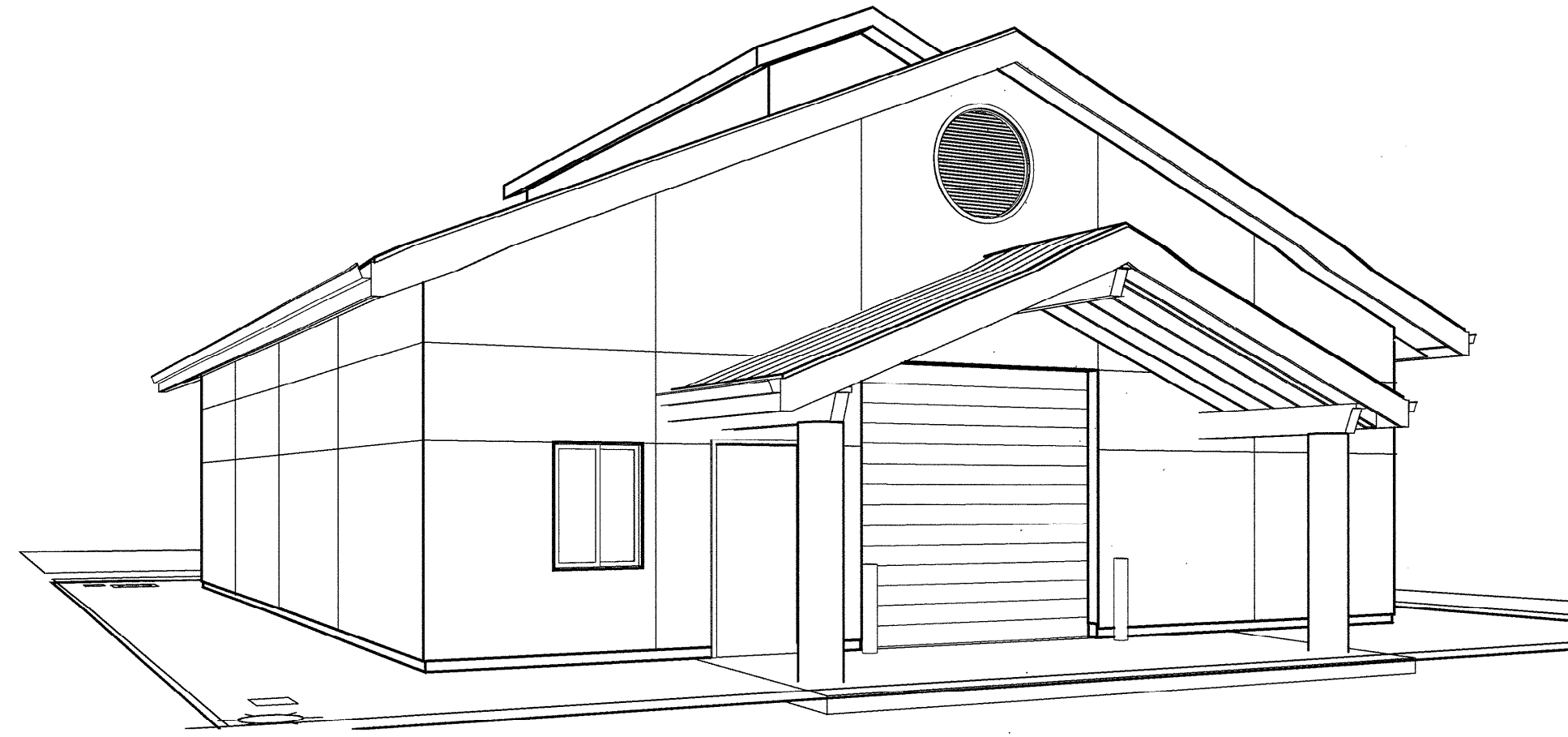


NAPA VALLEY COLLEGE WINE STORAGE BUILDING



ABBREVIATIONS

∅	AND
∠	ANGLE
AT	EACH SIDE
CL	CENTERLINE
∅	DIAMETER
F.L.	FLOOR LINE
P.L.	PROPERTY LINE
∅	FOUND OR NUMBER
A.B.	ANCHOR BOLT
A.C.P.	ASPHALT CONCRETE
P.V.	PAVING
A.C.	AIR CONDITIONING
ACCS	ACOUSTIC
ACT.	ACUSTICAL TILE
A.D.	AREA DRAIN
ADJ.	ADJUSTABLE
AGG.	AGGREGATE
AL	ALUMINUM
ALT.	ALTERNATE
APPROX.	APPROXIMATE
ARCH.	ARCHITECT
ASPH.	ASPHALT
RD.	ROAD
BITUM.	BITUMINOUS
BLDG.	BUILDING
BLK.	BLOCK
BLCKG.	BLOCKING
BM	BENCH MARK OF BEAM
BTM.	BOTTOM
BRG.	BEARING
BRK.	BREAK
BRZ.	BRONZE
BTWN.	BETWEEN
S.U.R.	BUILT-UP ROOFING
CAB.	CABINET
CARP.	CARPET
C.B.	CATCH BASIN
CEM.	CEMENT
CER.	CERAMIC TILE
C.I.	CAST IRON
CIR.	CIRCUIT
C.J.	CONSTRUCTION JOINT
CLG.	CEILING
CLG.J.	CEILING JOIST
CLK.	CALLING
CLN.	CLOSET
CLR.	CLEAR
CLB.	CLOSURE
C.M.U.	CONCRETE MASONRY UNIT
CNTR.	COUNTER
C.O.	CLEAN OUT
COL.	COLUMN
COMB.	COMBINATION
COMP.	COMPOSITION
CONC.	CONCRETE
CONC.	CONCRETE
CONSTR.	CONSTRUCTION
CONV.	CONVECTION OVEN
CTR.	CENTER
C.W.	COLD WATER
DET.	DETAIL
DF.	DOUGLAS FIR
D.F.	DRINKING FOUNTAIN
DISP.	DISPOSAL
DIAG.	DIAGONAL
DM.	DIMENSION
DISP.	DISPOSAL
DIV.	DIVISION
DN.	DOWN
D.O.	DOOR OPENING
DR.	DRUM
D.S.	DOWN SPOUT
D.T.	DRAIN TILE
D.W.	DISHWASHER
DWR.	DRAWER
(E)	EXISTING
E	EAST
EA.	EACH
E.C.	EACH END
E.F.	EXHAUST FAN
E.J.	EXPANSION JOINT
ELEC.	ELECTRICAL
ELEV.	ELEVATION
E.W.	EDGE WALK
ENCL.	ENCLOSURE
EQV.	EQUIVALENT
E.S.	EACH SIDE
EW.	EACH WAY
EXP.	EXPANSION
EXP.B.	EXPANSION BOLT
EXPO.	EXPOSURE
EXT.	EXTERIOR
F.	FACE
F.A.	FIRE ALARM
F.B.	FACE BRICK
F.D.	FIRE BOARD
F.BELL.	FIRE BELL
F.B.O.	FURNISHED BY OTHERS
F.D.	FLOOR DRAIN
FDN.	FOUNDATION
F.E.	FIRE EXTINGUISHER
F.E.C.	FIRE EXTINGUISHER CABINET
F.F.	FINISH FLOOR
F.G.	FINISH GRADE
FGL.	FIBERGLASS
F.H.	FIRE HYDRANT
PH.M.S.	FLAT HEAD MACHINE SCREW
F.HORN.	FIRE HORN
F.H.S.	FIRE HOSE STATION
FN.WE.	FLAT HEAD WOOD SCREW
FIN.	FINISH
FKT.	FIXTURE
F.J.	FLOOR JOIST
FL.	FLOOR LINE
FLASH.	FLASHING
FLOOR.	FLOOR
F.N.	FACE NAIL
F.O.B.	FACE OF BUILDING
F.O.F.	FACE OF FINISH
F.O.M.	FACE OF MASONRY
F.O.S.	FACE OF STUD
FR.	FIRE RESISTANT
FTO.	FOOTING
FUT.	FUTURE
GA.	GALVE
GALV.	GALVANIZED
CLK.	CALLING
G.B.	GRAB BAR
G.C.	GARBAGE DISPOSAL
G.E.	GRATE ELEVATION
G.L.	GALVANIZED IRON
GL.	GLASS
G.L.A.	GLASS LAMINATE
GND.	GROUND
GR.	GRADE
G.S.W.	GYPSSUM BOARD
GYP.BD.	GYPSSUM BOARD
H.B.	HOSE BIB
H.C.	HOLLOW CORE
HDR.	HEADER
HDWD.	HARDWOOD
HW.	HARDWARE
HT.	HOT WATER
H.M.	HOLLOW METAL
HORZ.	HORIZONTAL
H.P.	HIGH POINT
GA.	DIAGONAL
H.S.	HOUR
HRS.	HOUR
H.T.C.	HEATING
H.V.C.	HEATING, VENTILATION & AIR CONDITIONING
H.W.	HOT WATER
I.D.	INSIDE DIAMETER
INSUL.	INSULATION
INT.	INTERIOR
INV.	INVERT
JAN.	JANITOR
J.H.	JOIST HANGER
JO.	JOINT
EA.	EACH
E.C.	EACH END
E.F.	EXHAUST FAN
E.J.	EXPANSION JOINT
ELEC.	ELECTRICAL
ELEV.	ELEVATION
E.W.	EDGE WALK
LAB.	LABORATORY
LAM.	LAMINATE
LAV.	LAVATORY
L.B.	LAG BOLT
L.H.	LEFT HAND
L.L.	LINE LOAD
L.P.	LOW POINT
LT.	LIGHT
MAT.	MATERIAL
MAX.	MAXIMUM
M.B.	MACHINE BOLT
M.C.	MEDICINE CABINET
MED.	MEDICAL
MECH.	MECHANICAL
MEMB.	MEMBRANE
MFR.	MANUFACTURER
MN.	MINIMUM
MIR.	MIRROR
MISC.	MISCELLANEOUS
M.O.	MASONRY OPENING
M.R.	MOISTURE RESISTANT
M.T.	METAL THRESHOLD
MTL.	METAL
(N)	NEW
N.	NORTH
NAT.	NATURAL
N.C.	NOT IN CONTRACT
N.I.C.	NOT PART OF OSA (APPROXIMATE)
NO.	NUMBER
NOM.	NOMINAL
N.T.S.	NOT TO SCALE
O.V.	OVER
O.A.	OVERALL
OSB.	ORIENTED STRUC. BOARD
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
O.P.	OVERFLOW
OFF.	OFFICE
O.F.S.	OUTSIDE FACE OF STUD
O.H.W.S.	OVAL HEAD WOOD SCREW
OPP.	OPPOSITE
P.	PAINT
P.C.F.	POUNDS PER CUBIC FOOT
P.F.	FACE OF PAINTMENT
P.E.N.	PANEL EDGE NAILING
PERF.	PERFORATED
PL.	PLATE
P.L.A.M.	PLASTIC LAMINATE
PLAS.	PLASTER
P.L.F.	POUNDS PER LINEAR FOOT
PLYWD.	PLYWOOD
P.M.F.	PRESSED METAL FRAME
PR.	PROPERTY
P.R.P.	POUNDS PER SQUARE FOOT
P.S.F.	POUNDS PER SQUARE INCH
P.S.T.A.	PULL STATION
P.T.D.	PAPER TOWEL DISPENSER
P.T.D.F.	PRESSURE TREATED DOUGLAS FIR
P.T.R.	PAPER TOWEL RECEPTACLE
P.V.C.	POLY-VINYL-CHLORIDE
Q.T.	QUARRY TILE
RAD.	RADIUS
R.B.	RUBBER BASE
R.C.P.	REINFORCED CONCRETE PIPE
R.D.	ROOF DRAIN
R.O.W.	REINFORCED REFERENCE
REF.	REFERENCE
REFR.	REFRIGERATOR
RENF.	REINFORCING
RESL.	RESILIENT
R.H.	ROOF HATCH
R.H.E.S.	ROUND HEAD METAL SCREW
R.H.W.S.	ROUND HEAD WOOD SCREW
RM.	ROOM
R.O.	ROUGH OPENING
R.W.L.	RAIN WATER LEADER
S.	SOUTH
S.A.D.	SEE ARCHITECTURAL DRAWINGS
S.A.F.F.	SELF ADHERED FLEXIBLE FLASHING
S.A.S.M.	SELF ADHERED SHEET MEMBRANE
S.B.K.G.	SOLID BLOCKING
S.C.	SOLID CORE
S.C.D.	SEE CIVIL DRAWINGS
S.D.	STORM DRAIN
S.D.S.P.	SOAP DISPENSER
S.E.F.	SEE ELECTRICAL DRAWINGS
SEAL.	SEALANT
SECT.	SECTION
S.E.F.	SEE ELECTRICAL DRAWINGS
SHT.	SHEET
SHR.	SHOWER
SHT.	SHEET
SHT.	SHIA THING
SH.	SHIRAZ
S.L.D.	SLIDING DRAWINGS
S.M.D.	SEE MECHANICAL DRAWINGS
S.P.	SCUDDROOF
SPEC.	SPECIFICATION
SQ.	SQUARE FOOT (FEET)
S.F.F.	SANITARY FEWER
S.S.	SEE STRUCTURAL DRAWINGS
STA.	STATION
STD.	STANDARD
S.STL.	STAINLESS STEEL
STD.	STORAGE
STRUC.	STRUCTURAL
SUSP.	SUSPENDED
T.B.	TACKBOARD
T&B.T.	TOP AND BOTTOM
T.O.C.	TOP OF CURB
T.O.P.	TOP OF PAINTMENT
T.O.P.L.	TOP OF PLATE
T.O.W.	TOP OF WALL
T.P.D.	TOP OF PLATE DISPENSER
TRN.	TRANSOM
T.S.	TUBE STEEL
T.V.	TELEVISION
TRK.	TRUCK
T&G.	TONGUE AND GROOVE
THK.	THICK
T.J.	TOOL JOINT
T.N.	TOE NAIL
T.O.C.	TOP OF CURB
T.O.P.	TOP OF PAINTMENT
T.O.P.L.	TOP OF PLATE
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PERFORMANCE CERTIFICATE OF COMPLIANCE Part 1 of 3 **PERF-1**

PROJECT NAME: Napa Valley College Wine Storage Building DATE: 2/1/2007
 PROJECT ADDRESS: 2277 Napa Valley Highway Napa
 PRINCIPAL DESIGNER-ENVELOPE: TLCD Architecture TELEPHONE: (707) 525-5600
 DOCUMENTATION AUTHOR: SOL DATA ENERGY CONSULTING TELEPHONE: (707) 545-4440

GENERAL INFORMATION
 BUILDING TYPE: NONRESIDENTIAL HIGH RISE RESIDENTIAL HOTEL/MOTEL/GUEST ROOM
 PHASE OF CONSTRUCTION: NEW CONSTRUCTION ADDITION EXISTING+ADDITIONAL/ALTERATION

STATEMENT OF COMPLIANCE
 This Certificate of Compliance lists the building features and performance specifications needed to comply with Title 24, Part 1 and 6 of the California Code of Regulations. This certificate applies only to a building using the performance compliance approach.
 The documentation preparer hereby certifies that the documentation is accurate and complete.

DOCUMENTATION PREPARER: Sean Piliavin SIGNATURE: DATE: _____

The Principal Designer hereby certifies that the proposed building design presented in this set of construction documents is consistent with the other compliance forms and worksheets, with the specifications, and with any other conditions established by this permit application. The proposed building as designed meets the energy efficiency requirements contained in sections 110, 116, through 118, and 140, 142, 143 or 148 of Title 24, Part 6.

EW, LIG, MECH
 1. I hereby affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code to sign this document as the person responsible for its preparation, and that I am licensed in the State of California as a civil engineer, mechanical engineer, or I am a licensed contractor performing this work.
 2. I affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code Section 5537.2 or 6737.3 to sign this document as the person responsible for its preparation, and that I am a licensed contractor performing this work.
 3. I affirm that I am eligible under Division 3 of the Business and Professions Code to sign this document because I pertain to a structure or type of work described as exempt pursuant to Business and Professions Code Sections 5537, 5538, and 6737.1. (These sections of the Business and Professions Code are printed in full in the Nonresidential Manual.)

ENVELOPE COMPLIANCE
 Indicate location on plans of Note Block for Mandatory Measures

PRINCIPAL ENVELOPE DESIGNER-NAME: TLCD Architecture SIGNATURE: DATE: _____

LIGHTING COMPLIANCE
 Indicate location on plans of Note Block for Mandatory Measures

PRINCIPAL LIGHTING DESIGNER-NAME: SIGNATURE: DATE: _____

MECHANICAL COMPLIANCE
 Indicate location on plans of Note Block for Mandatory Measures

PRINCIPAL MECHANICAL DESIGNER-NAME: Lefler Engineering, Inc. SIGNATURE: DATE: _____

Run Initiation Time: 02/01/07 15:45:54 Run Code: 1170373554
 User Number: 1004 Job Number: sp7703 Page: 2 of 12

CERTIFICATE OF COMPLIANCE ENV-1-C

PROJECT NAME: Napa Valley College Wine Storage Building DATE: 2/1/2007

OPAQUE SURFACES

#	Surface Type	Area	U-Fac.	Insulation Cav. Conf.	Act. Azm.	Tilt	Wind Status	Joint Appendix IV Reference	Location/Comments
1	Roof	1,150.0	0.041	N 0 0 0	R -2 0 0	90	20	New	IS-01B
2	Wall	3,910.0	0.074	R -1 9	R -0 0	90	90	New	IS-01B
3	Door	2.1	0.700	N 0 0 0	R -0 0	90	90	New	IS-01B
4	Door	11.0	1.400	N 0 0 0	R -0 0	90	90	New	IS-01B
5	Door	12.1	1.450	N 0 0 0	R -0 0	90	90	New	IS-01B
6	Wall	2,810.0	0.074	R -1 9	R -0 0	90	90	New	IS-01B
7	Wall	3,410.0	0.074	R -1 9	R -0 0	90	90	New	IS-01B
8	Roof	84.9	0.041	N 0 0 0	R -2 0 0	90	20	New	IS-01B
9	Wall	2,310.0	0.074	R -1 9	R -0 0	90	90	New	IS-01B
10	Wall	6,410.0	0.074	R -1 9	R -0 0	270	90	New	IS-01B
11	Wall	2,310.0	0.074	R -1 9	R -0 0	90	90	New	IS-01B
12	Roof	6.4	0.041	N 0 0 0	R -2 0 0	90	20	New	IS-01B
13	Wall	3.9	0.074	R -1 9	R -0 0	90	90	New	IS-01B
14	Wall	7.2	0.074	R -1 9	R -0 0	90	90	New	IS-01B

11.4.1.1 New Ceiling, Wood Decked

PENETRATION SURFACES

#	Type	Area	U-Fac.	SHGC	Act. Azm.	Wind Status	Glazing Type	Location/Comments			
1	Window	Roof	0.2	0.740	118-A	0.70	118-B	3.0	New	Double Metal Lame	Office Zone

EXTERIOR SHADING

#	Exterior Shade Type	SHGC	Window Hgt. Wd.	Overhang Len. Hgt. Ext. Ret.	Left Fin Dist. Len. Hgt.	Right Fin Dist. Len. Hgt.
1	New	0.16				

MINIMUM SKYLIGHT AREA FOR LARGE ENCLOSED SPACES
 The proposed skylight area is less than 15% of the enclosed space with a maximum of 150 sq ft, and an LSC of 0.001 sq ft per sq ft of enclosed space.
 The proposed skylight area is less than 15% of the enclosed space with a maximum of 150 sq ft, and an LSC of 0.001 sq ft per sq ft of enclosed space.

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PERFORMANCE CERTIFICATE OF COMPLIANCE Part 2 of 3 **PERF-1**

PROJECT NAME: Napa Valley College Wine Storage Building DATE: 2/1/2007

ANNUAL TUV ENERGY USE SUMMARY (kBtu/sq-ft-yr)

ENERGY COMPONENT	Standard Design	Proposed Design	Compliance Margin
Space Heating	17.81	10.12	6.89
Space Cooling	25.23	24.57	0.65
Indoor Fans	6.42	6.58	-2.15
Heat Rejection	0.00	0.00	0.00
Pumps & Misc.	0.00	0.00	0.00
Domestic Hot Water	0.00	0.00	0.00
Lighting	36.11	36.11	0.00
Receptacle	12.95	12.95	0.00
Process	0.00	0.00	0.00
TOTALS	97.72	92.33	5.38

Percent better than Standard: 5.5 (5.5 excluding process)

BUILDING COMPLIES

GENERAL INFORMATION

Building Orientation	(E) 90 deg	Conditioned Floor Area	1,920 sq ft
Number of Stories	1	Unconditioned Floor Area	0 sq ft
Number of Systems	3	Conditioned Footprint Area	1,920 sq ft
Number of Zones	3	Fuel Type	N A 1 1 G 1 1

Front Elevation	(E)	0.00	1.2	1.9
Left Elevation	(S)	5.78	0	0.0
Rear Elevation	(W)	6.40	0	0.0
Right Elevation	(N)	5.78	0	0.0
Total		2,436	1.2	0.5
Roof		2,083	0	0.0

Lighting Power Density	0.619	0.619	Savings vs. Title 24:	5.51
Prescriptive Env. Heat Loss	3.44	2.41	Env1 Credit:	0 Points
Prescriptive Env. Heat Gain	25,000	19,441		

Remarks:

Run Initiation Time: 02/01/07 15:45:54 Run Code: 1170373554
 User Number: 1004 Job Number: sp7703 Page: 3 of 12

CERTIFICATE OF COMPLIANCE MECH-1-C

PROJECT NAME: Napa Valley College Wine Storage Building DATE: 2/1/2007

Designer:

This form is to be used by the designer and attached to the plans. Listed below are all the acceptance tests for mechanical systems. The designer is required to check the boxes by all acceptance tests that apply and list of equipment that requires an acceptance test. If all equipment of a certain type requires a test, the equipment description and the number of systems to be tested in parentheses. The test number designates the Section in the Appendix of the Nonresidential ACM Manual that describes the test. Also indicate the person responsible for performing the tests (i.e. the installing contractor, design professional or an agent selected by the owner). 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.

Building Departments:
 SYSTEM ACCEPTANCE: Before an occupancy permit is granted for a newly constructed building or space, or a new space conditioning system serving a building or space is installed for normal use, all control devices serving the building or space shall be certified as meeting the Acceptance Requirements for Code Compliance.
 In addition a Certificate of Acceptance, MECH-1-A Form shall be submitted to the building department that certifies plans, specifications, installation certificates, and operating and maintenance information meet the requirements of Section 10-103(b) and Title 24 Part 6.

STATEMENT OF COMPLIANCE

MECH-1-A: Ventilation System Acceptance Document
 -Variable Air Volume Systems Outdoor Air Acceptance
 -Constant Air Volume Systems Outdoor Air Acceptance
 Equipment requiring acceptance testing: _____
 Test report on all systems both the Construction and Start-Up.

MECH-1-A: Packaged HVAC Systems Acceptance Document
 Equipment requiring acceptance testing: _____
 Test report on all systems both the Construction and Start-Up.

MECH-1-A: Air Side Economizer Acceptance Document
 Equipment requiring acceptance testing: _____
 Test report on all systems both the Construction and Start-Up. Units with economizers that are installed at the factory and are certified with the manufacturer do not require equipment testing but require construction inspection.

MECH-1-A: Air Distribution Acceptance Document
 Equipment requiring acceptance testing: _____
 The background and volume of air in the ductwork shall be tested in accordance with the manufacturer's instructions. The ductwork shall be tested in accordance with the manufacturer's instructions. The ductwork shall be tested in accordance with the manufacturer's instructions.

MECH-1-A: Demand Control Ventilation Acceptance Document
 Equipment requiring acceptance testing: _____
 All new DCV units installed in new or existing systems must be tested.

MECH-1-A: Supply Fan Variable Flow Control Acceptance Document
 Equipment requiring acceptance testing: _____
 All new VAV fan variable flow control units installed in new or existing systems must be tested.

MECH-1-A: Hydronic System Control Acceptance Document
 -Variable Flow Controls: Applies to chilled and heating systems.
 -Automatic Balancing Controls: Applies to new valves and coils and the primary pumps are connected to a common header.
 -Supply Water Temperature Reset Controls: Applies to new valves and coils and the primary pumps are connected to a common header.
 -Water Loop Heat Pump Controls: Applies to new water loop heat pump systems that have a design capacity greater than or equal to 300,000 Btu/hr.
 -Variable Frequency Drive Controls: Applies to new water loop heat pump systems that have a design capacity greater than or equal to 300,000 Btu/hr.
 -Variable Frequency Drive Controls: Applies to new water loop heat pump systems that have a design capacity greater than or equal to 300,000 Btu/hr.
 -Variable Frequency Drive Controls: Applies to new water loop heat pump systems that have a design capacity greater than or equal to 300,000 Btu/hr.

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PERFORMANCE CERTIFICATE OF COMPLIANCE Part 3 of 3 **PERF-1**

PROJECT NAME: Napa Valley College Wine Storage Building DATE: 2/1/2007

ZONE INFORMATION

System Name	Zone Name	Occupancy Type	Floor Area (sq ft)	Int. LSC (W/E)	Ch. Coeff. (W/E)	Allowed LSC Area (W/E)	Tabled (W/E)	Prac. Load (W/E)
Secure Storage System	Secure Storage	Commercial, Industrial Storage	1,070	*0.600				
Wine Storage System	Wine Storage	Commercial, Industrial Storage	790	*0.600				
Office Mech System	Office Zone	Office	60	*1.200				

Notes: 1. See T5-03C (Items marked with asterisk, see T5-2-City edict) 2. See T5-03C 3. See T5-03C (by edict) 4. See T5-03C (Items above require special documentation)

EXCEPTIONAL CONDITIONS COMPLIANCE CHECKLIST
 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 to be used with the performance approach. 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.

The HVAC System "Theatrical RUMOR/2" FL 46 20P is designated as a 3 Phase, or is Exempted from the MECA 13 SEER requirement.
 The Room "Wine Storage 0232, 3237" has a Heating Indoor Design Temperature of 55 degrees F.
 The Room "Wine Storage 0232, 3237" has a Cooling Indoor Design Temperature of 65 degrees F.

The optional features listed in this performance approach application have specifically been reviewed. Adequate written justification and documentation for their use have been provided by the applicant.

Authentic Signature or Stamp: _____

Run Initiation Time: 02/01/07 15:45:54 Run Code: 1170373554
 User Number: 1004 Job Number: sp7703 Page: 4 of 12


ENVELOPE MANDATORY MEASURES ENV-MM

PROJECT NAME: Napa Valley College Wine Storage Building DATE: 2/1/2007


DESCRIPTION	Designer	Enforcement
X 1180a	Installed Insulating Material shall have been certified by the manufacturer to comply with the California Quality Standards for Insulating Material, Title 24, Chapter 4, Article 3.	
X 1180c	All Insulating Materials shall be installed in compliance with the flame spread rating and smoke density requirements of Sections 1002 and 701 of Title 24, Part 2.	
X 1170a	All Exterior Joints and openings in the building that are susceptible sources of air leakage shall be caulked, painted, weatherstripped or otherwise sealed.	
X 1180b	Site-Constructed Doors, Windows and Skylights shall be caulked between the unit and the building, and shall be weatherstripped (except for weathered doors and the doors).	
X 1180d	Manufactured Doors and Windows installed shall have air infiltration rates not exceeding those shown in Table Number 1-E of the Standards. Manufactured fenestration products must be labeled for U-value according to NFRC procedures.	
1180e	Densifying Walls in Nonresidential Buildings: The opaque portions of framed densifying walls in nonresidential buildings shall have insulation with an installed R-value of not less than R-13 between framing members.	

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 User Number: 1004 Job Number: sp7703 Page: 11 of 12


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TLCD ARCHITECTURE
 111 Santa Rosa Avenue, Suite 300
 Santa Rosa, CA 95405
 707-525-5600
 FAX 707-525-5616



Agency Approval



WINE STORAGE BUILDING
 2277 NAPA-VALLEJO HWY, NAPA, CA 94558

NAPA COMMUNITY COLLEGE DISTRICT
 NAPA, CALIFORNIA

PROJECT NUMBER: 05067.00
 DATE: January 10, 2007
 DRAWN BY: G.E.M.
 CHECKED BY: _____
 REVISIONS: _____
 March 3, 2007 Plan Check Revisions

TITLE 24
T2

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FIRE DEPARTMENT REQUIREMENTS

- 1) Access roads shall be designed and maintained to support the imposed loads of fire apparatus weighing 70,000 lbs. with an all-weather driving surface.
- 2) All access roads shall be installed and maintained serviceable prior to and during combustible construction.
- 3) All fire protection equipment and building utilities including gas shut-off valves and electrical service disconnects shall be located in a single area to allow use by the Fire Department without having to transit through a structure. In new construction, equipment should be located within an interior room having an exterior access door or in an exterior enclosure attached to the building, specifically for the purpose of housing such equipment.
- 4) The building electrical service disconnecting means shall be installed in a readily accessible location either outside the building or nearest the point of entrance of the service conductors. The disconnecting means shall be accessible to emergency personnel, either directly or by a remote actuating device without requiring transit of the building interior.
- 5) Rooms or areas containing controls for HVAC systems, electrical panels, automatic fire extinguishing systems, fire alarm equipment or other detection, suppression or control elements shall be identified with appropriate signs.
- 6) A flush-mounted (recessed) Knox Box (key box) mounted no higher than 5 feet above the finished floor obtaining appropriate keys for emergency Fire Department access shall be provided. The minimum size box is the 3200 series with a hinged door and recessed mounting kit. The tamper kit is not required; box color may be any of the Knox options. It takes approximately 2 weeks for delivery. For more information call the Fire Prevention Division at (707) 257-9590 or visit www.knoxbox.com
- 7) Keys for the Knox Box entry system required by the Fire Department shall be attached to durable tags with permanent marking identifying the door(s) or lock(s) that the key functions with. i.e. "MASTER or "MECHANICAL ROOM"
- 8) The Minimum fire-extinguisher requirement shall be one 2A-1013C rated portable unit in such locations so that maximum floor-travel distance does not exceed 75' to the nearest extinguisher from any portion of the building with a maximum of 3,000 square feet of floor area surveyed. Plan submittal shall include the proposed location of extinguishers. Final location shall be approved in the field by the Fire Department.
- 9) Underground fire service mains require a permit from the fire department; please submit 2 sets of plans and fire flow calculations prior to commencement of work.
- 10) A automatic fire sprinkler system is required for this building please submit 2 sets of plans and calculations to the Fire Marshal's Office and obtain permit prior to installation. Building Permits cannot be issued until plans are submitted and approved by the fire department.
- 11) All fire-sprinkler systems shall be designed and installed in accordance with NFPA Standard 13, and the California Fire Code and Building Code as amended by the City of Napa. Riser shall be located inside or protected by an exterior enclosure. The fire sprinkler system shall be monitored by the existing fire alarm system
- 12) To allow for tamper monitoring of the fire sprinkler system, conduit shall be installed from the fire alarm control panel to the OS& Y valves on the Double Check Assembly.
- 13) The Fire Department Connection (FDC) shall be located on the building on a side facing the street as approved by the Fire Department.
- 14) Maintain storage at or below 12 feet in the warehouse storage area or the facility shall comply with all applicable sections of Article 81 of the 2001 California Fire Code with regards to High-Piled Combustible Storage. A permit is required for High Piled Combustible Storage from Napa Fire Department.
- 15) All fire-alarm systems, fire-hydrants, fire-sprinkler systems, wet and dry standpipes, and other fire-protections systems shall meet the approval of the Fire Department as to installation and location and shall be subject to such periodic tests as required by the Chief. Failure to comply with this requirement may result in the issuance of a stop work order and fines in accordance with the California Fire and Building Codes.
- 16) Buildings undergoing construction shall maintain fire safety at all times and shall be in accordance with Article 87 of the California Fire Code. Smoking is prohibited in buildings under construction. "No Smoking" signs shall be posted. Hot work shall be performed in accordance with Article 49 of the California Fire Code.
- 17) Requests for field inspection shall be made a minimum of 24 hours in advance by calling the Fire Prevention Division at (707) 257-9590, Monday through Friday 8:00 a.m. to 5:00 p.m.
- 18) Provide an approved exit sign over all required exit doors.
- 19) Looking devices on exit doors shall conform to the California Building Code. Only one lock or latch requiring one motion/operation to open/unlock is required. No double keyed dead-bolts are permitted on exit doors.

MECHANICAL MANDATORY MEASURES Part 1 of 2 MECH-MM

PROJECT NAME		DATE	
Napa Valley College Wine Storage Building		2/1/2007	
DESCRIPTION	Designer	Enforcement	
Equipment and Systems Efficiencies			
X 111	Any appliance for which there is a California standard established in the Appliance Efficiency Regulations shall comply with the applicable standard.		
11504	Fan-type control fanrooms shall not have a pilot light.		
X 123	Piping, except that conveying fluids at temperatures between 80 and 105 degrees Fahrenheit, or valves HVAC equipment, shall be installed in accordance with Standards Section 123.		
124	Air handling duct systems shall be installed and maintained in compliance with Sections 91, 902, 903, 904, and 905 of the 2001 CMC Standards.		
Controls			
X 1204(A)	Each space conditioning system shall be installed with one of the following: Each space conditioning system serving building types such as offices and manufacturing facilities (see all others not explicitly exempt) from the requirements of Section 122 (4) shall be installed with an automatic fire switch with an accessible manual override that allows operation of the system during off-hours for up to 4 hours. The fire switch shall be capable of programming different schedules for weekdays and weekends and have program backup capabilities that prevent the loss of the device's program and time setting for at least 18 hours if power is interrupted; or		
1204(B)	An occupancy sensor to control the operating period of the system; or		
1204(C)	A 4-hour timer that can be manually operated to control the operating period of the system.		
X 1204(D)	Each space conditioning system shall be installed with controls that temporarily retard and temporarily operate the system as required to maintain a setback heating and/or a setpoint cooling thermostat setpoint.		
1204(E)	Each space conditioning system serving multiple zones with a combined conditioned floor area more than 25,000 square feet shall be provided with isolation zones. Each zone shall not exceed 25,000 square feet, shall be provided with isolation devices, such as valves or dampers, that allow the supply of heating or cooling to be setback or shut off independently of other isolation areas, and shall be controlled by a fire control device as described above.		
X 1204(F)	Each space conditioning system shall be controlled by an individual thermostat that responds to temperature within the zone. When used for cooling/heating, the control shall be adjustable down to 55 degrees F or lower. For cooling, the control shall be adjustable up to 85 degrees F or higher. When used for both heating and cooling the control shall be capable of providing a deadband of at least 5 degrees F within which the supply of heating and cooling is shut off or reduced to a minimum.		
X 1204(G)	Thermostats shall have remote setpoints in degrees F (adjusted F) and adjustable setpoint dips accessible only to authorized personnel.		
11209	Heat pumps shall be installed with controls to prevent electric resistance supplementary heater operation when the heating load can be met by the heat pump alone.		
EmergPo	By EnergyS&T	User Number	User
		Job Number	sp1703
			Page 11 of 12

MECHANICAL MANDATORY MEASURES Part 2 of 2 MECH-MM

PROJECT NAME		DATE	
Napa Valley College Wine Storage Building		2/1/2007	
Description	Designer	Enforcement	
Ventilation			
X 1210	Controls shall be provided to allow outside air dampers or devices to be operated at the ventilation rates as specified on these plans.		
X 1220	Ceiling or automatic dampers interlocked and closed on fan shutdown shall be provided on the outside air intakes and discharges of all space conditioning and exhaust systems.		
X 1220	All gravity ventilating systems shall be provided with automatic or readily accessible manually operated dampers in all openings to the outside, except for combustion air openings.		
12101	Air Balancing: The system shall be balanced in accordance with the National Environmental Balancing Bureau (NEBB) Procedural Standards (1983), or Associated Air Balance Council (AABC) National Standards (1989); or		
X 12102	Outside Air Certification: The system shall provide the minimum outside air as shown on the mechanical drawings, and shall be measured and certified by the installing licensed C-20 mechanical contractor and certified by (1) the design mechanical engineer, (2) the installing licensed C-20 mechanical contractor, or (3) the person with overall responsibility for the design of the ventilation system; or		
12103	Outside Air Measurement: The system shall be equipped with a calibrated tool or remote device capable of measuring the quantity of outside air on a continuous basis and displaying that quantity on a readily accessible display device; or		
12104	Another method approved by the Commission.		
Service Water Heating Systems			
11302	If a circulating hot water system is installed, it shall have a control capable of automatically turning off the circulating pump(s) when hot water is not required.		
11303	Lawatories in restrooms of public facilities shall be equipped with controls to limit the outlet temperature to 110 degrees F.		
EmergPo	By EnergyS&T	User Number	User
		Job Number	sp1703
			Page 12 of 12

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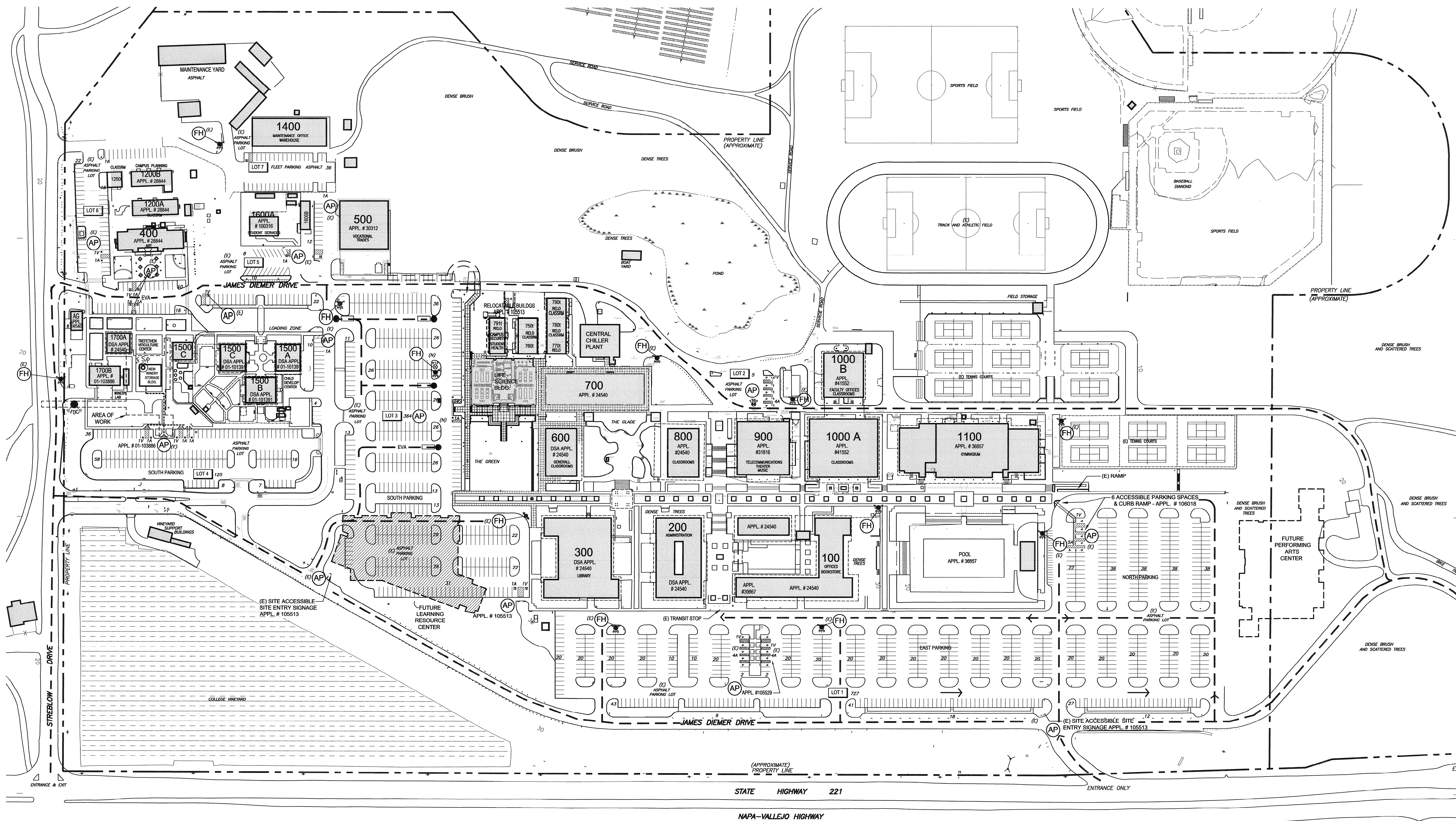
WINE STORAGE BUILDING
 2277 NAPA-VALLEJO HWY. NAPA, CA 94558

NAPA COMMUNITY COLLEGE DISTRICT
 NAPA, CALIFORNIA

PROJECT NUMBER: 05067.00
 DATE: January 10, 2007
 DRAWN BY: G.E.M.
 CHECKED BY:
 REVISIONS:
 March 3, 2007 Plan Check Revisions

TITLE 24 - FIRE DEPT. REQUIREMENTS
T3

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WINE STORAGE BUILDING

2277 NAPA-VALLEJO HWY. NAPA, CA 94558

NAPA COMMUNITY COLLEGE DISTRICT
 NAPA, CALIFORNIA

PROJECT NUMBER:
05067.00
 DATE:
March 2, 2007
 DRAWN BY:
G.E.M.
 CHECKED BY:

REVISIONS:
 March 2, 2007 Plan Check Revisions

1 OVERALL SITE PLAN

THIS SITE PLAN IS FOR REFERENCE PURPOSES ONLY. EMERGENCY VEHICLE ACCESS, FIRE HYDRANT LOCATIONS AND ACCESSIBILITY SHOWN FOR LOCAL AUTHORITY REVIEW ONLY.

LOCAL FIRE AUTHORITY REVIEW:

ACCESS ROADS AND GATED ENTRANCES ARE AS PER TITLE 19, CALIFORNIA CODE OF REGULATIONS SUBCHAPTER 1, ARTICLE 3.05 (ACCESS ROADS) AND ARTICLE 3.16 (GATE ENTRANCES) TO SCHOOL SITES.
 FIRE FLOW, FIRE HYDRANT LOCATION, AND DISTRIBUTION ARE AS PER CALIFORNIA FIRE CODE, APPENDIX 111-AA (FIRE FLOW), AND APPENDIX 111-BB (FIRE HYDRANT LOCATION AND DISTRIBUTION). NOTED APPENDICES ARE FROM 1997 U.F.C. WITH CALIFORNIA AMENDMENTS - 2001 CFC.
 LOCAL FIRE AUTHORITY: Napa Fire Department
 ADDRESS: 1600 First Street
 CITY/STATE/ZIP: Napa, CA 94559 PHONE NUMBER: (707) 257-9590
 APPROVAL ISSUED BY: Darren Drake RANK/TITLE: Fire Marshal
 SIGNATURE: _____ DATE: _____

SYMBOLS LEGEND

- FIRE HYDRANT LOCATION
- FIRE DEPARTMENT CONNECTION
- FIRE DEPARTMENT SHUTOFF VALVE (EACH FLOOR AT 2-STORY BUILDINGS)
- FIRE SPRINKLER RISER
- POST INDICATOR VALVE
- EMERGENCY VEHICLE ACCESS
- ACCESSIBLE PATH OF TRAVEL
- PROPERTY LINE (APPROXIMATE)
- (E) BUILDINGS

OVERALL SITE PLAN

T4

CITY OF NAPA GENERAL NOTES:

- ALL WORKMANSHIP AND MATERIALS FOR ONSITE IMPROVEMENTS SHALL CONFORM TO THE LATEST EDITION OF THE CITY OF NAPA, PUBLIC WORKS DEPARTMENT, STANDARD SPECIFICATIONS AND/OR THE LATEST EDITION OF THE STATE OF CALIFORNIA STANDARD SPECIFICATIONS AND STANDARD PLANS. THE ONSITE IMPROVEMENTS SHALL BE INSPECTED BY THE OWNER & ENGINEER.
- CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR BEING FAMILIAR WITH THE PROVISIONS AND REQUIREMENTS CONTAINED IN THE CITY STANDARD SPECIFICATIONS. CONTRACTOR SHALL HAVE A COPY AVAILABLE AT THE JOB SITE AT ALL TIMES.
- CONTRACTOR SHALL NOTIFY ALL PUBLIC OR PRIVATE UTILITY COMPANIES 48 HOURS PRIOR TO COMMENCEMENT OF WORK ADJACENT TO EXISTING UTILITY LINES.
- CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (USA) AT 1-800-642-2444 PRIOR TO START OF ANY CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF ALL EXISTING UTILITIES IN THE FIELD. LOCATIONS OF UTILITIES AND UNDERGROUND FACILITIES SHOWN ARE APPROXIMATE AND FOR GENERAL INFORMATION ONLY.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN SUFFICIENT BARRICADES TO PROVIDE FOR THE SAFETY OF THE GENERAL PUBLIC TO THE SATISFACTION OF THE OWNER.
- ALL MATERIAL SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL CONFORM TO EXISTING STREETS, SURROUNDING LANDSCAPE AND OTHER IMPROVEMENTS WITH A SMOOTH TRANSITION IN PAVING, CURBS, GUTTERS, SIDEWALKS, GRADING, ETC., AND AVOID ANY ABRUPT OR APPARENT CHANGES IN GRADES OR CROSS SLOPES, LOW SPOTS OR HAZARDOUS CONDITIONS.
- CONTRACTOR SHALL COORDINATE ALL NECESSARY UTILITY RELOCATIONS, IF REQUIRED, WITH THE APPROPRIATE UTILITY COMPANIES AND THE OWNER.
- CONTRACTOR SHALL CONDUCT ALL GRADING OPERATIONS IN SUCH A MANNER AS TO PRECLUDE WIND BLOWN DIRT AND DUST AND RELATED DAMAGE TO NEIGHBORING PROPERTIES. SUFFICIENT WATERING TO CONTROL DUST IS REQUIRED AT ALL TIMES. CONTRACTOR SHALL ASSUME LIABILITY FOR CLAIMS RELATED TO WIND BLOWN MATERIAL. IF THE DUST CONTROL IS INADEQUATE AS DETERMINED BY THE OWNER, THE CONSTRUCTION WORK SHALL BE TERMINATED UNTIL CORRECTIVE MEASURES ARE TAKEN.
- CONTRACTOR SHALL ELIMINATE OR MINIMIZE NON-STORM WATER DISCHARGES FROM THE CONSTRUCTION SITE TO STORM DRAINS AND OTHER WATER BODIES. ALL CONSTRUCTION ACTIVITIES SHALL BE PERFORMED IN A MANNER THAT MINIMIZES, TO THE MAXIMUM EXTENT PRACTICABLE, ANY POLLUTANTS ENTERING DIRECTLY OR INDIRECTLY TO THE STORM WATER SYSTEM OR GROUND WATER. THE CONTRACTOR SHALL ENSURE THAT NO CONSTRUCTION MATERIALS (E.G., CLEANING FRESH CONCRETE FROM EQUIPMENT) ARE CONVEYED INTO THE STORM DRAIN SYSTEM. ALL MATERIALS THAT COULD CAUSE WATER POLLUTION (I.E., MOTOR OILS, FUELS, PAINTS, ETC.) SHALL BE STORED AND USED IN A MANNER THAT WILL NOT CAUSE ANY POLLUTION. ALL DISCARDED MATERIALS AND ANY ACCIDENTAL SPILLS SHALL BE REMOVED AND DISPOSED OF AT AN APPROVED DISPOSAL SITE.
- SEEDING OF ALL DISTURBED SLOPES SHALL BE COMPLETED BY OCTOBER 1. CONTRACTOR SHALL PROVIDE SUFFICIENT MAINTENANCE AND IRRIGATION OF THE SLOPES SUCH THAT GROWTH IS FULLY ESTABLISHED BY NOVEMBER 1.

CITY OF NAPA WATER NOTES:

- FOR CONSTRUCTION DETAILS, REFER TO CITY OF NAPA STANDARD SPECIFICATIONS AND PLANS.
- CORROSION PROTECTION: ALL DUCTILE IRON PIPE AND FITTINGS SHALL BE WRAPPED WITH 2 MILS THICK POLYETHYLENE TUBING SECURED WITH 2" WIDE POLYVINYL PIPE WRAP TAPE. ALL BOLTS AND EXPOSED SURFACES SHALL BE PAINTED WITH BITUMASTIC COATINGS.
- BACKFILL: WATER MAIN TRENCH BACKFILL SHALL BE PER CITY OF NAPA STANDARD PLAN M-13.
- WATER-SEWER SEPARATION: WATER-SEWER SEPARATION SHALL BE THE REQUIREMENTS OF THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES. PARALLEL CONSTRUCTION: 10' OF HORIZONTAL SEPARATION. PERPENDICULAR CONSTRUCTION: WATER MAINS AT LEAST 1' ABOVE SEWER LINES.
- EXISTING WATER FACILITIES: CONTRACTOR SHALL LOCATE, BY EXCAVATION, PRIOR TO ANY CONSTRUCTION ACTIVITIES. IF CONFLICTS ARISE, BARTELT ENGINEERING SHALL SUBMIT AN ALTERNATE DESIGN FOR APPROVAL.

GENERAL NOTES:

- CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING A COPY OF THE APPROVED PLANS AND ANY ADDENDUMS AT THE JOB SITE AT ALL TIMES.
- CONTRACTOR SHALL BE APPROPRIATELY LICENSED WITH THE STATE OF CALIFORNIA TO PERFORM THE WORK OUTLINED IN THESE PLANS.
- PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL SECURE CONSTRUCTION PERMITS FROM THE CITY OF NAPA, AND OTHER AGENCIES AS NECESSARY.
- WORKING HOURS ARE 7:00 AM TO 7:00 PM MONDAY THROUGH FRIDAY AND 7:00 AM TO 1:00 PM WEEKENDS AND HOLIDAYS. NO START UP OF HEAVY EQUIPMENT IS ALLOWED PRIOR TO 7:00 AM. WRITTEN PERMISSION MUST BE OBTAINED FOR WEEKEND AND HOLIDAY WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF ALL EXISTING UTILITIES IN THE FIELD. COSTS OF REPAIRING ANY DAMAGES OR INJURIES CAUSED BY THE CONTRACTOR SHALL BE BORNE BY THE CONTRACTOR. VARIOUS UNDERGROUND LINES WERE PLOTTED ON THESE PLANS FROM INFORMATION OBTAINED FROM THE SURVEYOR AND OWNER. THEREFORE, NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CORRECTNESS OF THEIR LOCATION.
- IN ORDER TO COMPLETE THIS PROJECT, ELECTRIC, WATER & OTHER LINES AND SERVICES, ETC., MUST BE INSTALLED. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THESE FACILITIES WITH PG&E, CITY OF NAPA AND NAPA SANITATION DISTRICT AND COORDINATE FULLY IN THE EXECUTION OF THIS WORK CONCURRENTLY WITH THE PROGRESS OF THE REST OF THE WORK.
- EXISTING UTILITIES SHALL BE KEPT IN SERVICE AT ALL TIMES. UTILITIES THAT INTERFERE WITH THE WORK TO BE PERFORMED SHALL BE PROTECTED AS REQUIRED BY CITY OF NAPA, NAPA SANITATION DISTRICT, PG&E, AT&T, COMCAST AND THE OWNER.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING FACILITIES AND IMPROVEMENTS FROM DAMAGE RESULTING FROM CONTRACTOR'S WORK. ANY DAMAGE CAUSED BY CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- ALL PARKING STALLS SHALL BE STRIPED PER CITY OF NAPA SPECIFICATIONS.
- ALL DIMENSIONS SHOWN ON THE PLANS SHOW MEASUREMENTS IN A HORIZONTAL PLANE.

GENERAL NOTES (cont.):

- CONTRACTOR AGREES THAT THEY SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THE PROJECT, EXCEPT FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.
- SHOULD ANY CONTRACTOR OR SUBCONTRACTOR FIND ANY DEFICIENCIES, ERRORS, CONFLICTS OR OMISSIONS IN THESE PLANS AND SPECIFICATIONS OR SHOULD THERE BE ANY DOUBT AS TO THEIR MEANING OR INTENT, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IN WRITING FOR A WRITTEN CLARIFICATION, ADDENDUM, ETC. SHOULD THE CONTRACTOR FAIL TO DO SO BEFORE SUBMITTING A PROPOSAL, THE CONTRACTOR CANNOT CLAIM ADDITIONAL COMPENSATION FOR WORK REQUIRED TO COMPLETE THE PROJECT.
- THESE PLANS ARE INTENDED TO SHOW SITE IMPROVEMENTS OUTSIDE OF THE LIMITS OF THE EXISTING BUILDINGS. THIS DESIGN INCLUDES, BUT IS NOT LIMITED TO, HARDSCAPE, GRADING, PAVING AND STORM DRAINAGE. THE BUILDINGS SHOWN ON THESE PLANS ARE SHOWN STRICTLY AS A REFERENCE. BARTELT ENGINEERING IS NOT RESPONSIBLE FOR ARCHITECTURAL OR STRUCTURAL DESIGN OF THE BUILDINGS OR IMPROVEMENTS WITHIN THE BUILDINGS OR GEOTECHNICAL ENGINEERING SERVICES.
- WRITTEN DIMENSIONS ALWAYS TAKE PRECEDENCE OVER SCALED DIMENSIONS. IF THERE IS A CONFLICT, NOTIFY THE ARCHITECT IN WRITING AND OBTAIN A WRITTEN CLARIFICATION. NO DEVIATION OR SUBSTITUTION SHALL BE ALLOWED WITHOUT OBTAINING WRITTEN APPROVAL FROM THE ENGINEER.
- FADED BACKGROUND REPRESENTS EXISTING TOPOGRAPHIC FEATURES. THE TOPOGRAPHIC INFORMATION SHOWN ON THIS PLAN WAS TAKEN FROM THE TOPOGRAPHIC MAP OF A PORTION OF THE LANDS OF NAPA VALLEY COMMUNITY COLLEGE A.P.N. 046-450-009, PREPARED BY MICHAEL W. BROOKS & ASSOCIATES, DATED OCTOBER 2003, REVISED APRIL 2004 AND MARCH 2006. BARTELT ENGINEERING ASSUMES NO LIABILITY, REAL OR ALLEGED, REGARDING THE ACCURACY OF THE TOPOGRAPHIC INFORMATION SHOWN.
- THIS DRAWING DOES NOT REPRESENT A BOUNDARY SURVEY. BOUNDARY LINES SHOWN ARE APPROXIMATE AND FOR INFORMATIONAL PURPOSES ONLY.
- THESE PLANS ARE INTENDED TO BE USED FOR CONSTRUCTION STAKING OF THE SITE IMPROVEMENTS SHOWN HEREON. IF THE CONTRACTOR OR SURVEYOR FIND ANY DISCREPANCIES, NOTIFY THE ARCHITECT IN WRITING FOR A WRITTEN CLARIFICATION.
- BENCHMARK NOTE: CITY OF NAPA #54-D. ELEVATION = 5.41'.

GRADING NOTES:

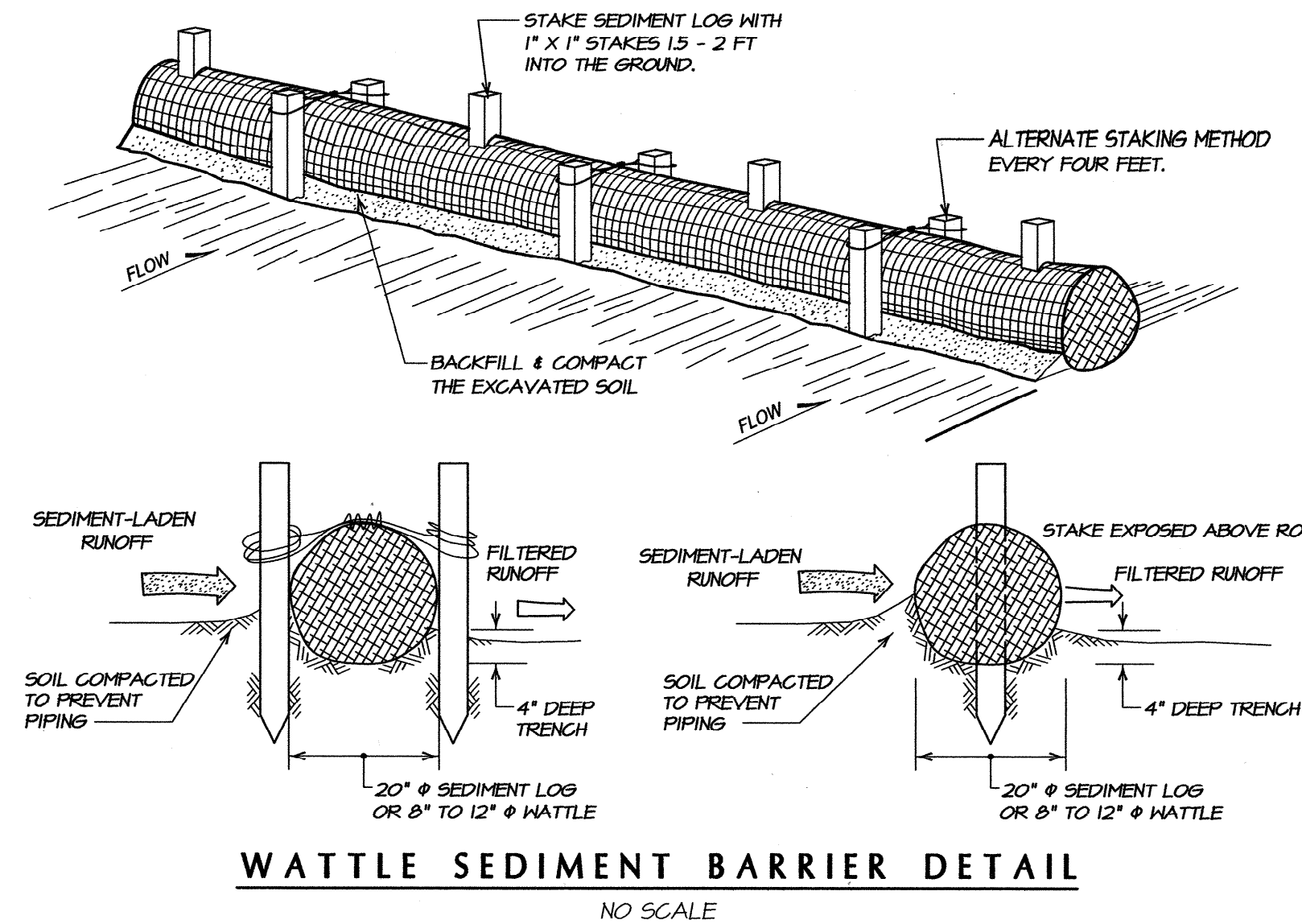
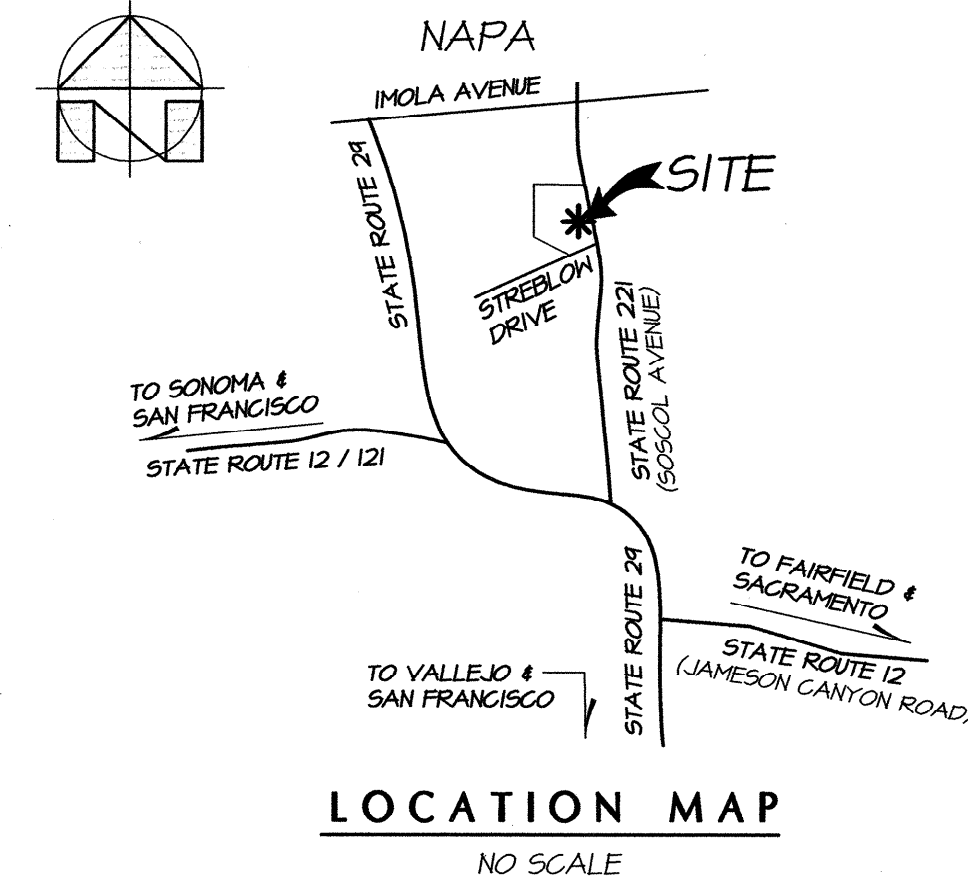
- ALL MOVEMENT OF EARTH SHALL COMPLY WITH THE SPECIFICATIONS CONTAINED IN THE CITY OF NAPA STANDARDS, THE UNIFORM BUILDING CODE (U.B.C.) AND THE GEOTECHNICAL INVESTIGATION REPORT.
- THE SITE SHALL BE VISUALLY INSPECTED BY THE CONTRACTOR TO DETERMINE THE EXTENT OF CLEARING, GRUBBING AND GRADING WORK TO BE DONE. GRADING ON THE SITE WILL BE LIMITED TO THE EXCAVATIONS AND/OR FILLS SHOWN ON THE PLAN.
- ALL GRADING SHALL BE DONE IN ACCORDANCE WITH THE RECOMMENDATIONS IN THE GEOTECHNICAL INVESTIGATION REPORT PREPARED BY PHOENIX GEOTECHNICAL DATED MAY 16, 2006. A COPY OF SAID REPORT IS AVAILABLE FOR EXAMINATION AT THE OWNER'S OFFICE. THE CONTRACTOR SHALL OBTAIN A COPY OF THE GEOTECHNICAL INVESTIGATION REPORT FROM THE OWNER PRIOR TO COMMENCEMENT OF THE WORK.
- THE GEOTECHNICAL ENGINEER SHALL BE NOTIFIED AT LEAST THREE (3) DAYS IN ADVANCE OF COMMENCING WORK, INCLUDING SITE STRIPPING AND GRADING OPERATIONS. THE GRADING WORK SHOWN ON THESE PLANS SHALL BE OBSERVED AND TESTED BY THE GEOTECHNICAL ENGINEER OR HIS REPRESENTATIVE.
- SOIL STRIPPED AS DETAILED IN THE GEOTECHNICAL INVESTIGATION REPORT SHALL BE REMOVED FROM THE SITE OR STOCKPILED FOR USE IN LANDSCAPED AREAS AS DETERMINED BY THE LANDSCAPE ARCHITECT. CONTRACTOR SHALL COORDINATE STOCKPILE LOCATION WITH THE OWNER AND/OR THE LANDSCAPE CONTRACTOR.

UTILITY NOTES:

- ALL WORK SHALL BE IN COMPLIANCE WITH APPLICABLE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (O.S.H.A.) STANDARDS AS SET FORTH BY THE FEDERAL DEPARTMENT OF LABOR AND/OR THE STATE OF CALIFORNIA. THE CONTRACTOR SHALL SECURE A TRENCH PERMIT FROM THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY PRIOR TO EXCAVATION OF ANY TRENCH OVER FIVE (5) FEET DEEP.
- TRENCHING AND BACKFILL SHALL COMPLY WITH CITY OF NAPA AND NAPA SANITATION DISTRICT STANDARDS. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE SAFETY STANDARDS FOR TRENCH SAFETY. ALL PIPES (EXCEPT SANITARY SEWER AND PLASTIC STORM DRAIN) HAVING LESS THAN THREE (3) FEET OF COVER SHALL BE BACKFILLED WITH CLASS 2 AGGREGATE BASE.
- ALL STORM DRAIN LINES SHALL BE INSTALLED PER CITY OF NAPA STANDARDS. REINFORCED CONCRETE PIPE (R.C.P.) SHALL BE CLASS 3 PER SECTION 65 OF THE CALTRANS STANDARD SPECIFICATIONS. PLASTIC PIPE SHALL COMPLY WITH SECTION 64 OF THE CALTRANS STANDARD SPECIFICATIONS. CORRUGATED METAL PIPE (C.M.P.) SHALL COMPLY WITH SECTION 66 OF THE CALTRANS STANDARD SPECIFICATIONS.
- ALL SANITARY SEWER AND RECLAIMED WATER SYSTEM WORK SHALL BE DONE IN ACCORDANCE WITH THE CURRENT STANDARD SPECIFICATIONS OF THE NAPA SANITATION DISTRICT. EACH SANITARY SEWER LATERAL SHALL HAVE A CLEANOUT WITHIN FIVE (5) FEET OF THE BUILDING. CLEANOUTS SHALL BE BROUGHT TO FINISHED GRADE WITH AN APPROPRIATE COVER PER NAPA SANITATION DISTRICT SPECIFICATIONS.
- ALL WATER SYSTEM WORK SHALL BE DONE IN ACCORDANCE WITH THE CURRENT CITY OF NAPA STANDARD SPECIFICATIONS, THE FOLLOWING PROVISIONS AND THE CITY OF NAPA WATER NOTES ON THIS SHEET.
- WHEN A WATER MAIN AND A SEWER LINE ARE IN A PERPENDICULAR CROSSING ALIGNMENT NO WATER MAIN JOINTS SHALL BE ALLOWED WITHIN FIVE FEET OF THE SEWER LINE.
- BACKFILL AROUND WATER MAINS PROTECTED WITH POLYETHYLENE WRAP SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND SHALL BE FINE SAND MATERIAL PLACED TO A MINIMUM OF 6 INCH BEDDING AND 12 INCHES ABOVE TOP OF PIPE.

INSTALLATION OF WATTLE SEDIMENT BARRIER

- PREPARE THE SLOPE BEFORE THE WATTLING PROCEDURE IS STARTED. SHALLOW GULLIES SHOULD BE SMOOTHED AS WORK PROGRESSES.
- DIS SHALL TRENCHES ACROSS THE SLOPE ON CONTOUR TO PLACE ROLLS IN. THE TRENCH SHOULD BE DEEP ENOUGH TO ACCOMMODATE HALF THE THICKNESS OF THE ROLL. WHEN THE SOIL IS LOOSE AND UNCOMPACTED, THE TRENCH SHOULD BE DEEP ENOUGH TO BURY THE ROLL 2/3 OF ITS THICKNESS BECAUSE THE GROUND WILL SETTLE.
- IT IS CRITICAL THAT ROLLS ARE INSTALLED PERPENDICULAR TO WATER MOVEMENT, PARALLEL TO THE SLOPE CONTOUR. START BUILDING TRENCHES AND INSTALL ROLLS FROM THE BOTTOM OF THE SLOPE AND WORK UP.
- CONSTRUCT TRENCHES AT CONTOUR INTERVALS OF 3-12 FEET APART DEPENDING ON STEEPNESS OF SLOPE. THE STEEPER THE SLOPE, THE CLOSER TOGETHER THE TRENCHES. LAY THE ROLL ALONG THE TRENCHES FITTING IT SNUGLY AGAINST THE SOIL. MAKE SURE NO GAPS EXIST BETWEEN THE SOIL AND THE STRAW WATTLE.
- USE A STRAIGHT BAR TO DRIVE HOLES THROUGH THE WATTLE AND INTO THE SOIL FOR THE WILLOW OR WOODEN STAKES. DRIVE THE STAKE THROUGH PREPARED HOLE INTO SOIL. LEAVE ONLY 1 OR 2 INCHES OF STAKE EXPOSED ABOVE ROLL.
- INSTALL STAKES AT LEAST EVERY 4 FEET APART THROUGH THE WATTLE AS SHOWN BELOW.



PROJECT INFORMATION:

PROPERTY OWNER/APPLICANT:
 NAPA VALLEY COLLEGE
 c/o DANIEL TERAVEST
 2277 NAPA-VALLEJO HIGHWAY
 NAPA, CA 94558
 707-259-6040

PROJECT ADDRESS:
 2277 NAPA-VALLEJO HIGHWAY
 NAPA, CA 94558

CIVIL ENGINEER:
 BARTELT ENGINEERING
 1303 JEFFERSON STREET, 200 B
 NAPA, CA 94559
 707-258-1301

ASSESSOR'S PARCEL NUMBER:
 046-450-005

PARCEL SIZE:
 118.20± ACRES

PROJECT SIZE:
 0.1± ACRES

SHEET INDEX:

SHEET C1	COVER SHEET
SHEET C2	GRADING AND UTILITY PLAN
SHEET C3	OVERALL UTILITY PLAN
SHEET C4	DETAIL SHEET

GEOTECHNICAL CONSULTANT

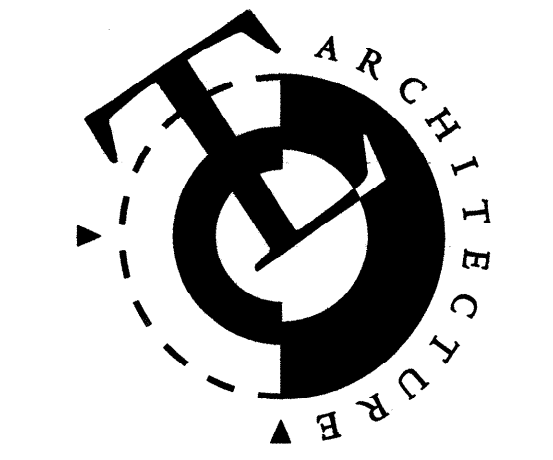
THIS GRADING PLAN HAS BEEN REVIEWED BY THE UNDERSIGNED AND FOUND TO BE IN CONFORMANCE WITH THE RECOMMENDATIONS OUTLINED IN THE PROJECT'S GEOTECHNICAL INVESTIGATION REPORT DATED MAY 16, 2006. THE GEOTECHNICAL INVESTIGATION REPORT SHALL BE CONSIDERED A PART OF THIS PLAN AND ALL GRADING WORK SHALL BE IN ACCORDANCE WITH SAID REPORT.

PHOENIX GEOTECHNICAL

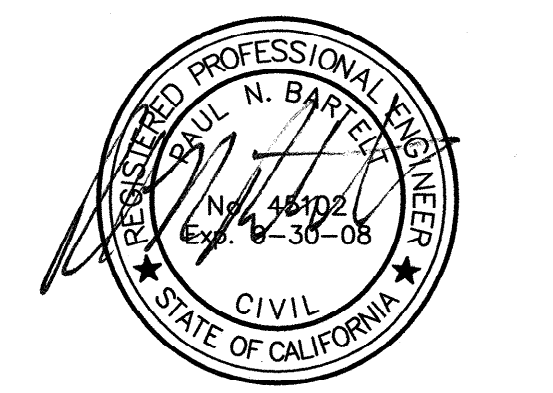
ROBERT BROADHURST, GE165, EXPIRES 3-31-08

DATE: _____

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WINE STORAGE BUILDING

2277 NAPA-VALLEJO HWY. NAPA, CA 94558

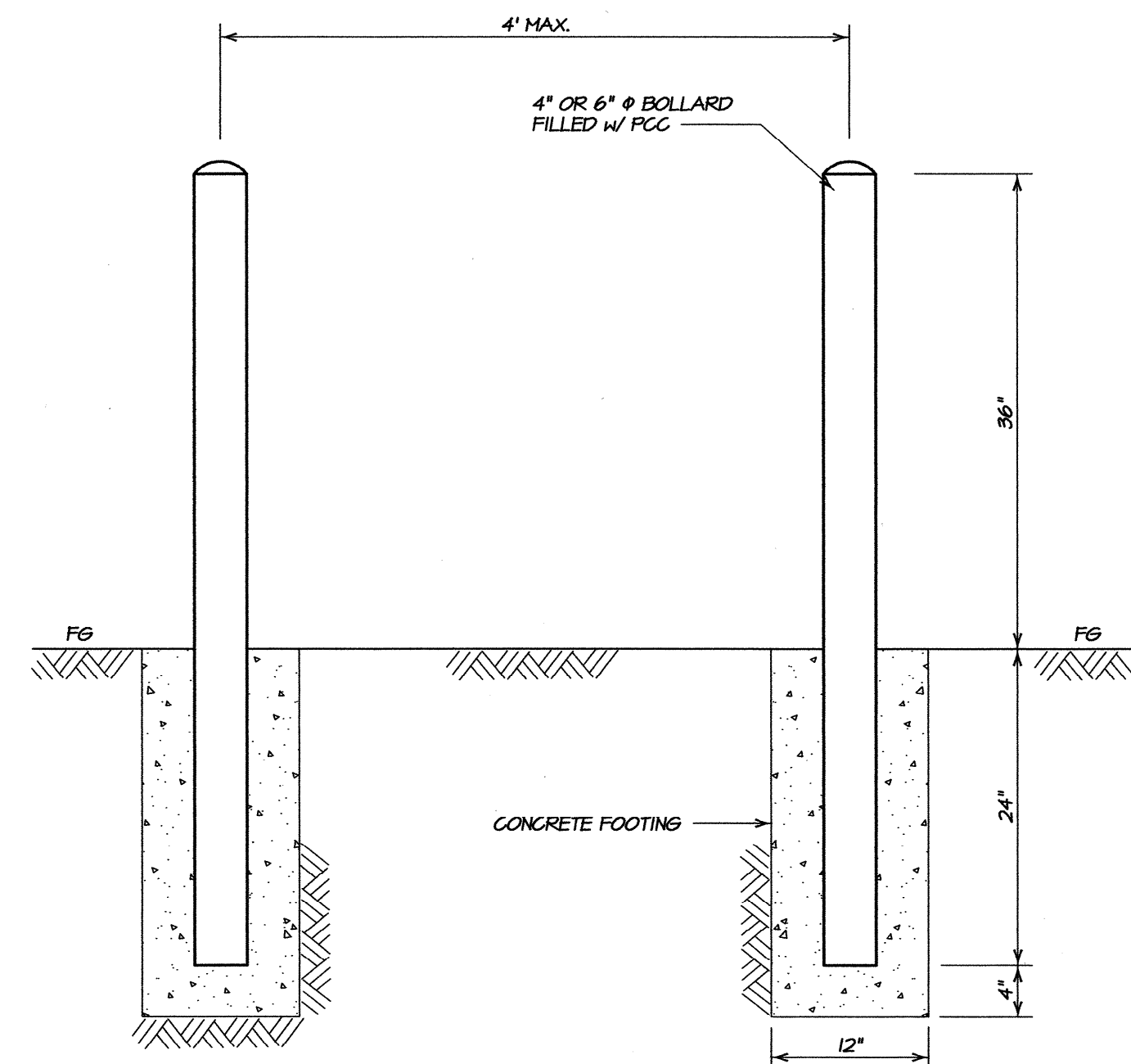
NAPA COMMUNITY COLLEGE DISTRICT
 NAPA, CALIFORNIA

PROJECT NUMBER:	05067.00
DATE:	March 2, 2007
DRAWN BY:	SRL / BT
CHECKED BY:	PNB
REVISIONS:	March 2, 2007 Plan Check Revisions

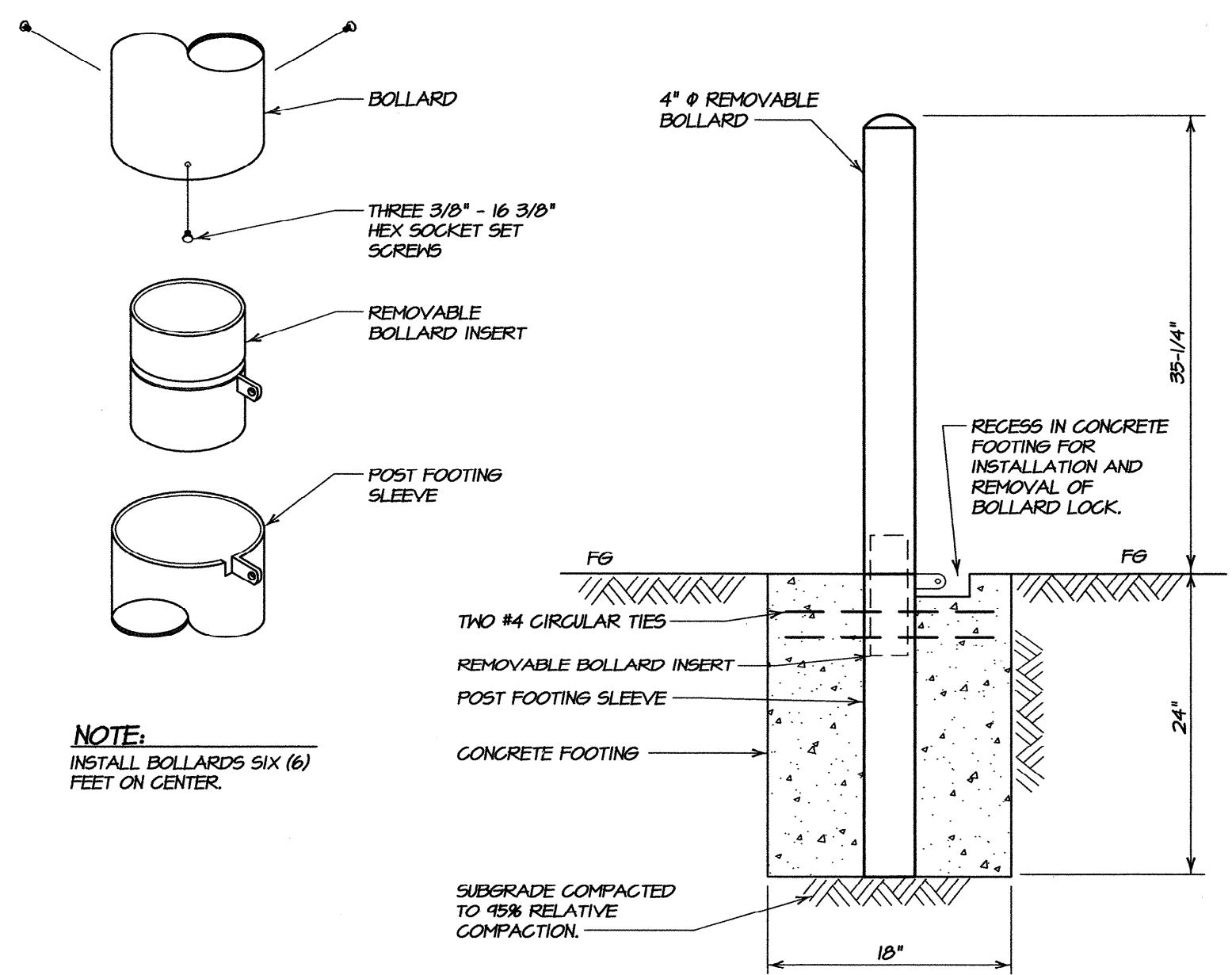
COVER SHEET

C1

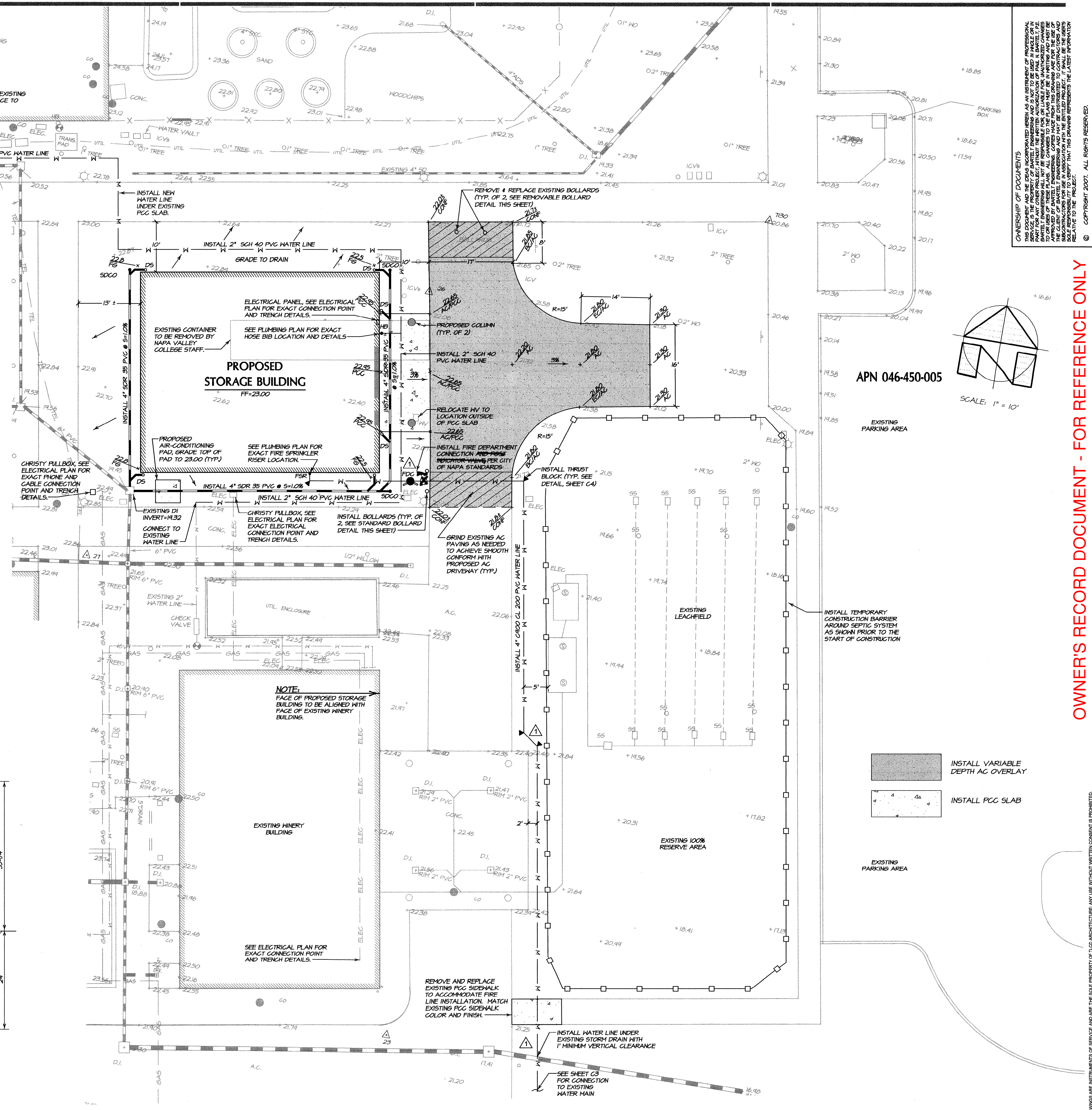
Mar 06, 2007 - 5:34pm brian S:\Lana\Projects\0350\dwg\0350winery_TLCD.dwg



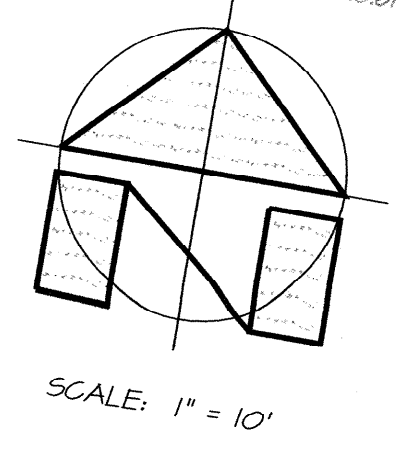
STANDARD BOLLARD DETAIL
NO SCALE



REMOVABLE BOLLARD DETAIL
NO SCALE



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APN 046-450-005

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WINE STORAGE BUILDING

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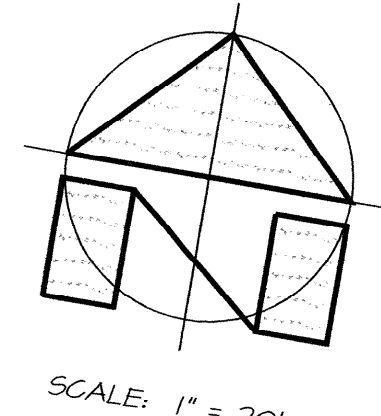
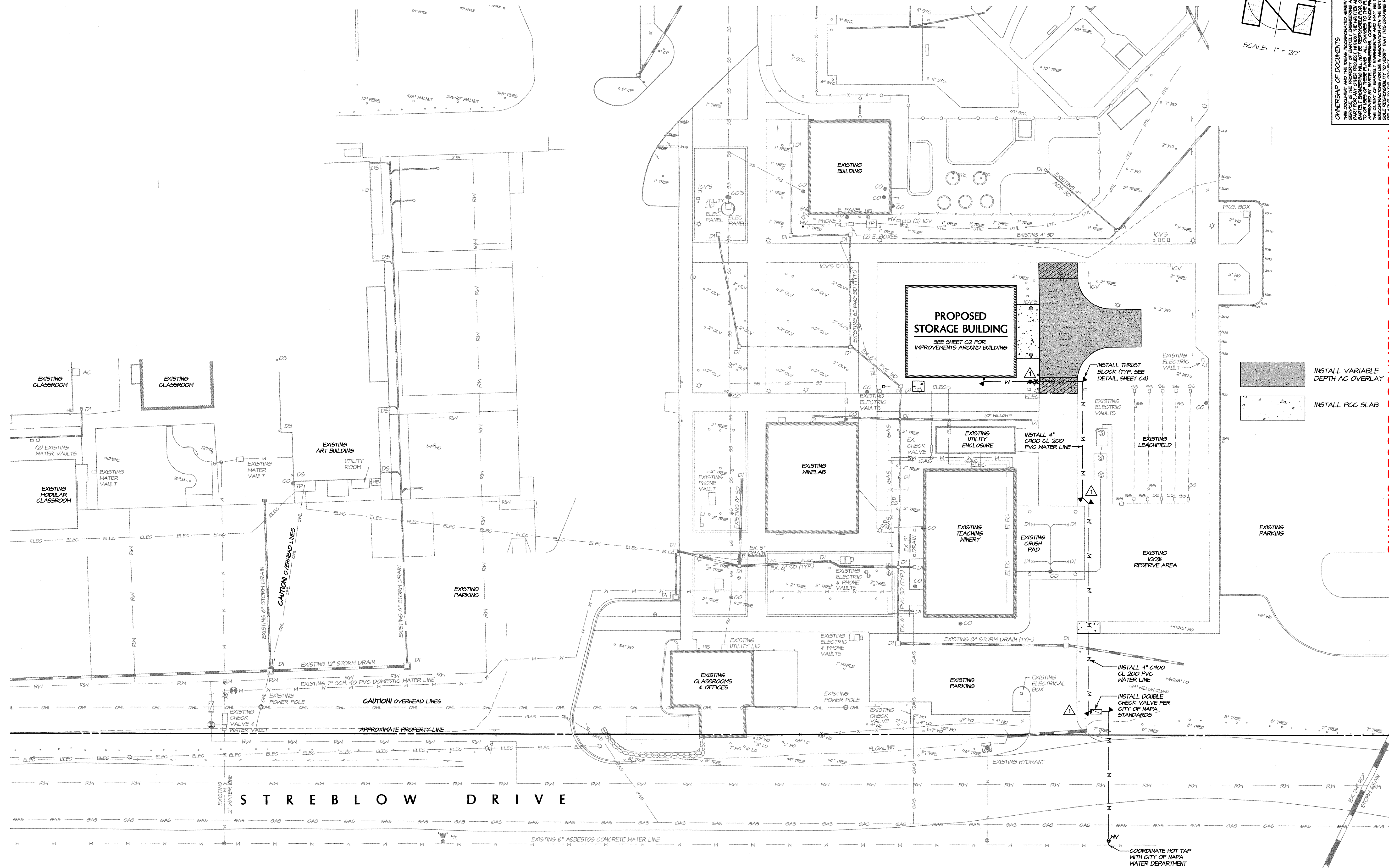
NAPA COMMUNITY COLLEGE DISTRICT
NAPA, CALIFORNIA

PROJECT NUMBER:
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FNB
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GRADING AND UTILITY PLAN

C2

BE JOB #03-50



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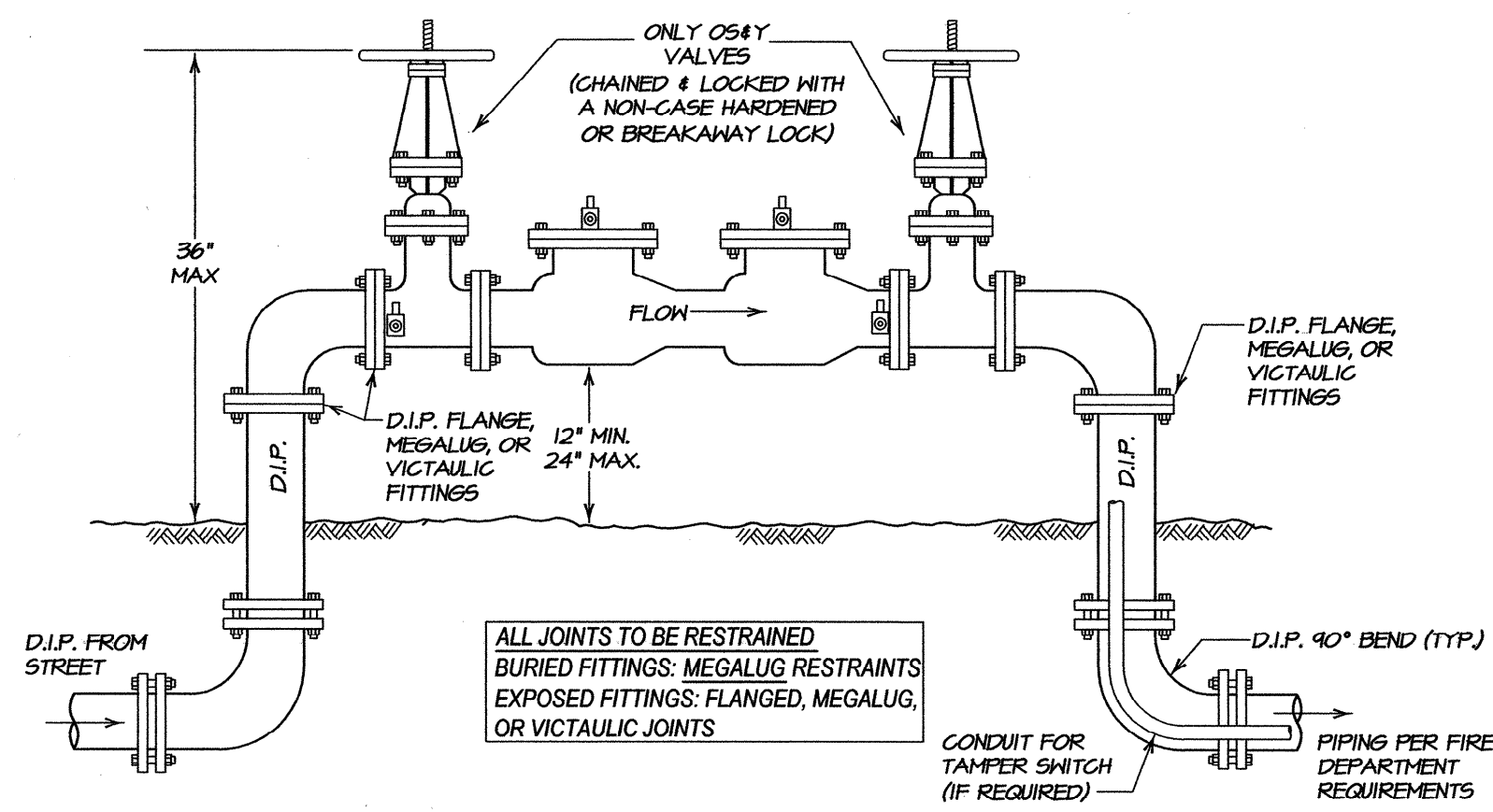


WINE STORAGE BUILDING
2277 NAPA-VALLEJO HWY. NAPA, CA 94558
NAPA COMMUNITY COLLEGE DISTRICT
NAPA, CALIFORNIA

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PMB
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OVERALL UTILITY PLAN

C3

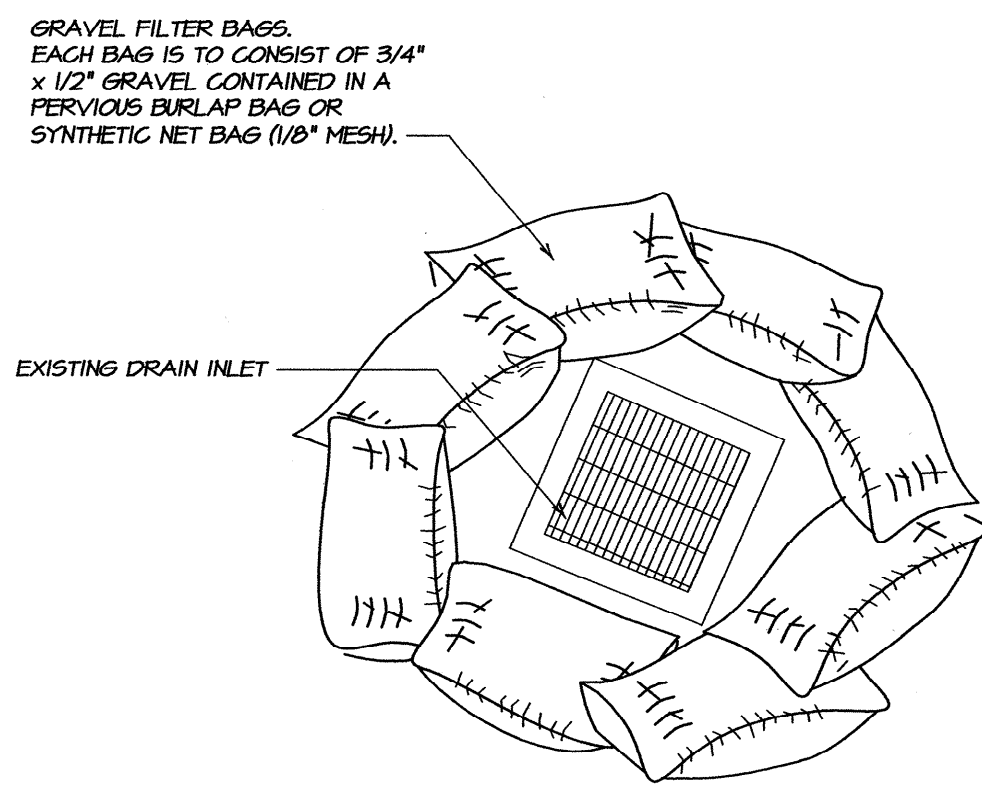


NOTES:

- BACKFLOW DEVICES THAT SERVE ON-SITE PRIVATE FIRE HYDRANTS SHALL BE EQUIPPED WITH A DETECTOR CHECK ASSEMBLY AND METER.
- THE FIRE DEPARTMENT CONNECTION AND RELATED APPURTENANCES SHALL MEET THE CITY OF NAPA FIRE DEPARTMENT SPECIFICATIONS AND REQUIREMENTS.
- BACKFLOW DEVICE CAN BE INSTALLED BELOW GRADE IN A VAULT WITH APPROVAL OF THE WATER DIVISION CROSS CONNECTION SPECIALIST.
- BACKFLOW DEVICE CAN BE INSTALLED WITHIN A BUILDING IN A DEDICATED UTILITY CLOSET IF THE BUILDING IS LOCATED WITHIN 20 FEET OF THE PUBLIC RIGHT-OF-WAY, THE BACKFLOW DEVICE IS PLACED AT THE CORNER OF THE BUILDING CLOSEST TO THE PUBLIC RIGHT-OF-WAY WHERE THE CONNECTION IS MADE, AND WITH THE APPROVAL FROM THE WATER DIVISION CROSS CONNECTION SPECIALIST (SEE H-TB FOR VERTICAL INSTALLATION).
- BACKFLOW DEVICE MUST BE PROTECTED FROM TRAFFIC HAZARD EITHER BY LOCATION OR BARRIERS.
- NO OTHER CONNECTIONS ARE ALLOWED BETWEEN METER AND THE BACKFLOW DEVICE OR DIRECTLY TO THE DEVICE.
- ALL PARTS MUST BE EASILY ACCESSIBLE FOR INSPECTION BY THE WATER DIVISION CROSS CONNECTION SPECIALIST.
- ANY OTHER LOCATION OR METHOD OF INSTALLATION MUST BE APPROVED IN ADVANCE BY THE WATER DIVISION CROSS CONNECTION SPECIALIST.
- INSTALLATION MUST BE APPROVED BY THE WATER DIVISION CROSS CONNECTION SPECIALIST BEFORE WATER IS TURNED ON.
- BACKFLOW DEVICE MUST BE APPROVED BY THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES.
- THE BACKFLOW DEVICE MUST BE TESTED BY A CITY APPROVED ANNA CERTIFIED BACKFLOW TESTER BEFORE WATER IS TURNED ON.
- NO TREES SHALL BE PLANTED WITHIN 10' OR LARGE SHRUBS WITHIN 5' OF THE BACKFLOW DEVICE.
- BACKFLOW DEVICE SHALL BE PAINTED IN A COLOR APPROVED BY THE COMMUNITY DEVELOPMENT DEPARTMENT.
- THE VISUAL IMPACT OF BACKFLOW DEVICES SHOULD BE CONSIDERED IF NOT PLACED WITHIN BOXES, VAULTS, OR UTILITY CLOSETS.

INSTALLATION OF DOUBLE CHECK VALVES FOR 4" AND LARGER FIRE WATER SERVICES

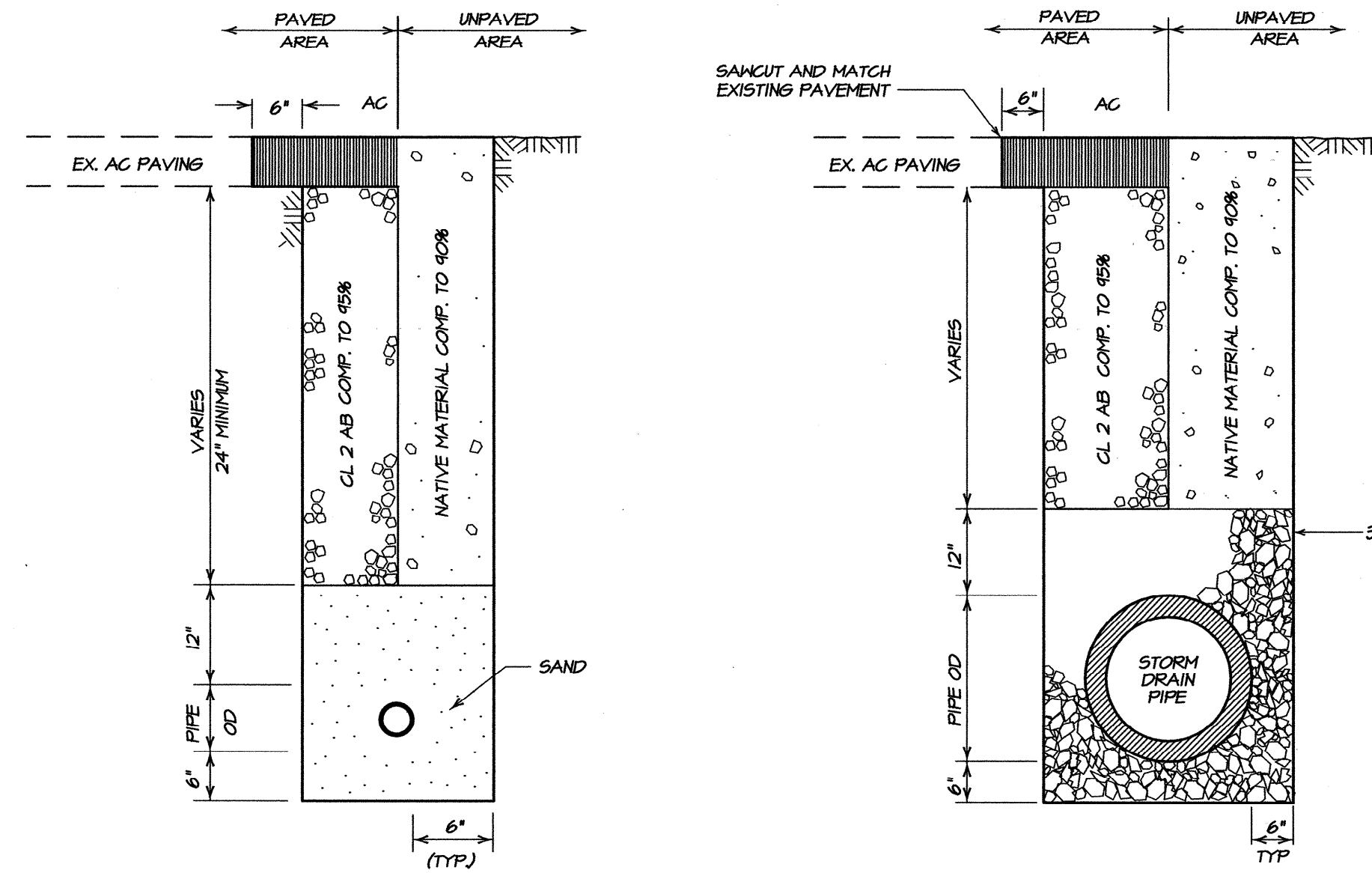
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NO SCALE



NOTES:

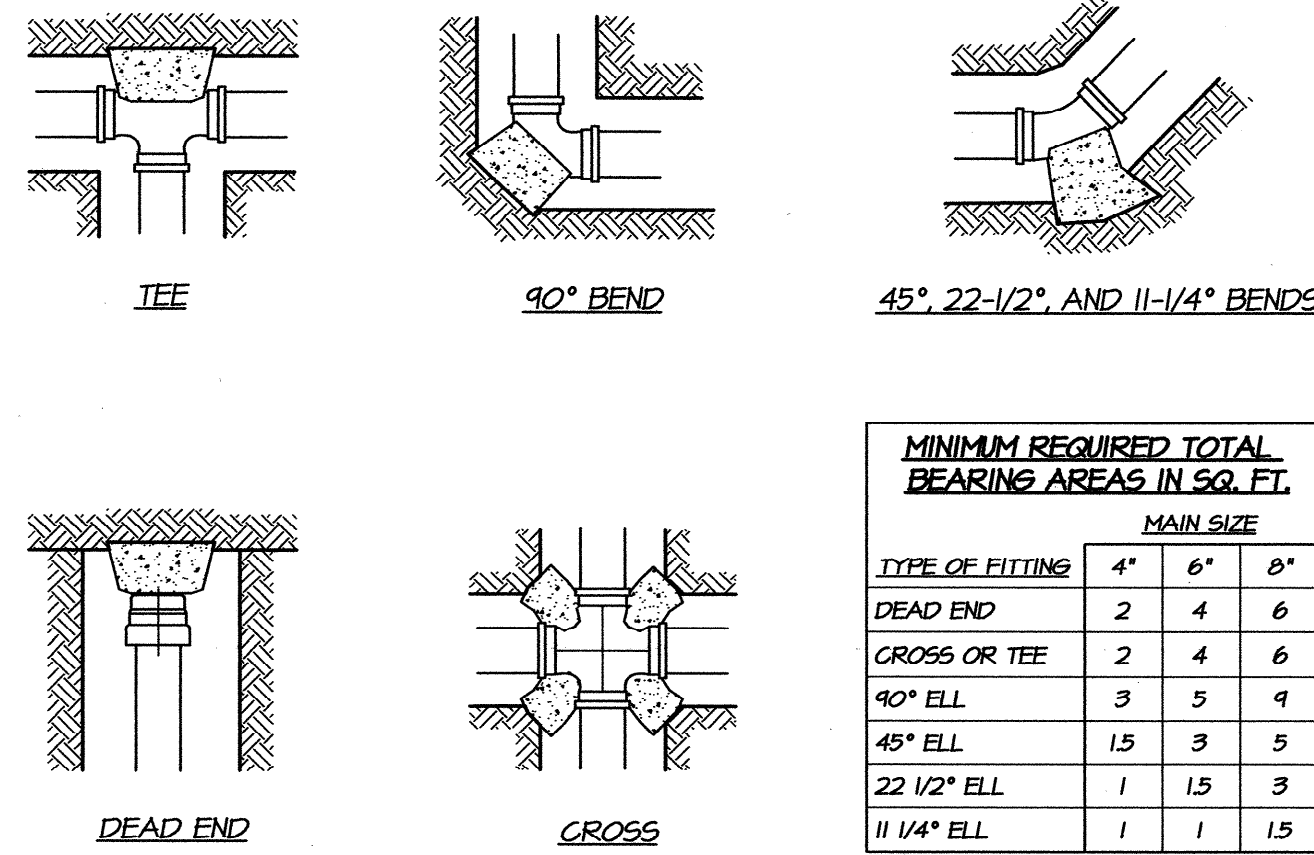
- THIS DETAIL IS FOR USE WITH DRAIN INLETS LOCATED IN PAVED AREAS ONLY.
- PLACE AND OVERLAP GRAVEL BAGS END TO END SO THAT NO SPACE EXISTS BETWEEN EACH INDIVIDUAL BAG.
- REMOVE SEDIMENT AND DEBRIS AS IT ACCUMULATES TO ALLOW DRAINAGE INTO THE STORM DRAIN SYSTEM.
- REMOVE FILTER AFTER CONSTRUCTION.

GRAVEL BAG DRAIN INLET DETAIL
NO SCALE



WATER LINE TRENCH DETAIL
NO SCALE

STORM DRAIN TRENCH DETAIL
NO SCALE

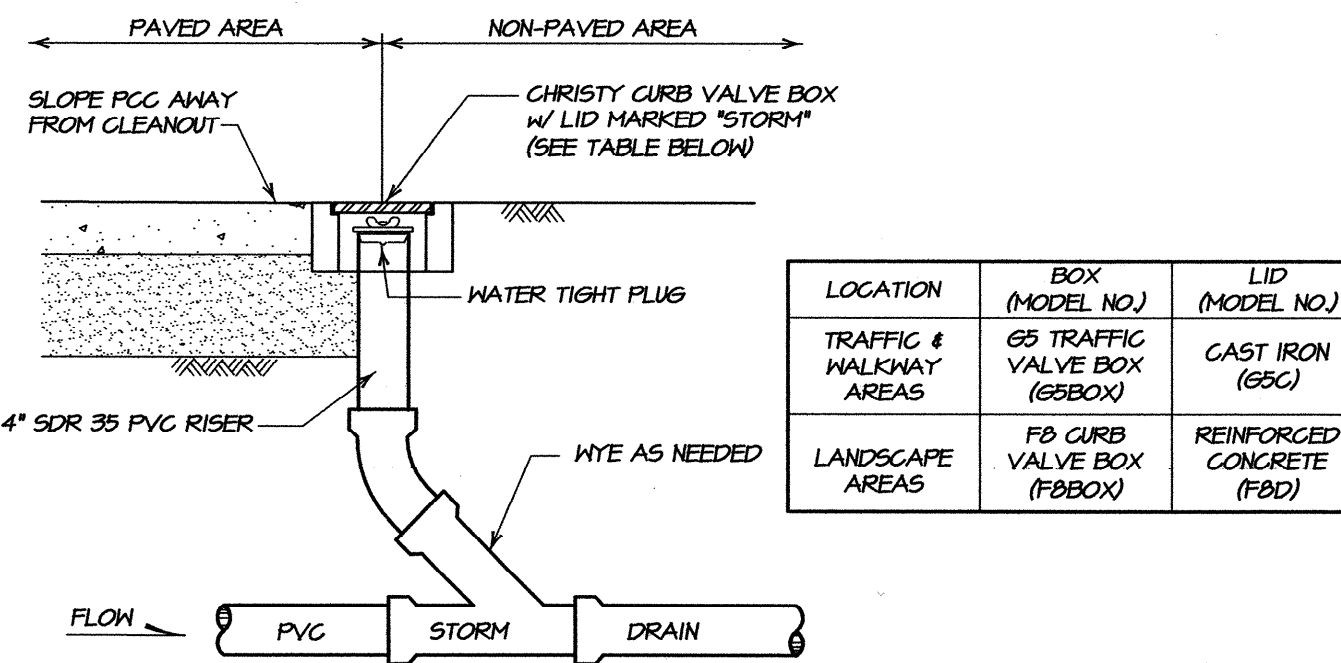


NOTES:

- ABOVE BEARING AREAS BASED ON 150 P.S.I. SERVICE PRESSURE, 100 P.S.F. SOIL BEARING CAPACITY, AND A SAFETY FACTOR OF 1.25. ADJUST BLOCKING AREAS WHERE FIELD CONDITIONS DIFFER.
- USE CLASS 1B CONCRETE FOR BLOCKING, POURED AGAINST UN-DISTURBED SOIL AND BARE PIPE.
- SEE H-B FOR VERTICAL OFFSETS.
- USE RESTRAINED JOINTS FOR 12" AND LARGER WATER MAINS.

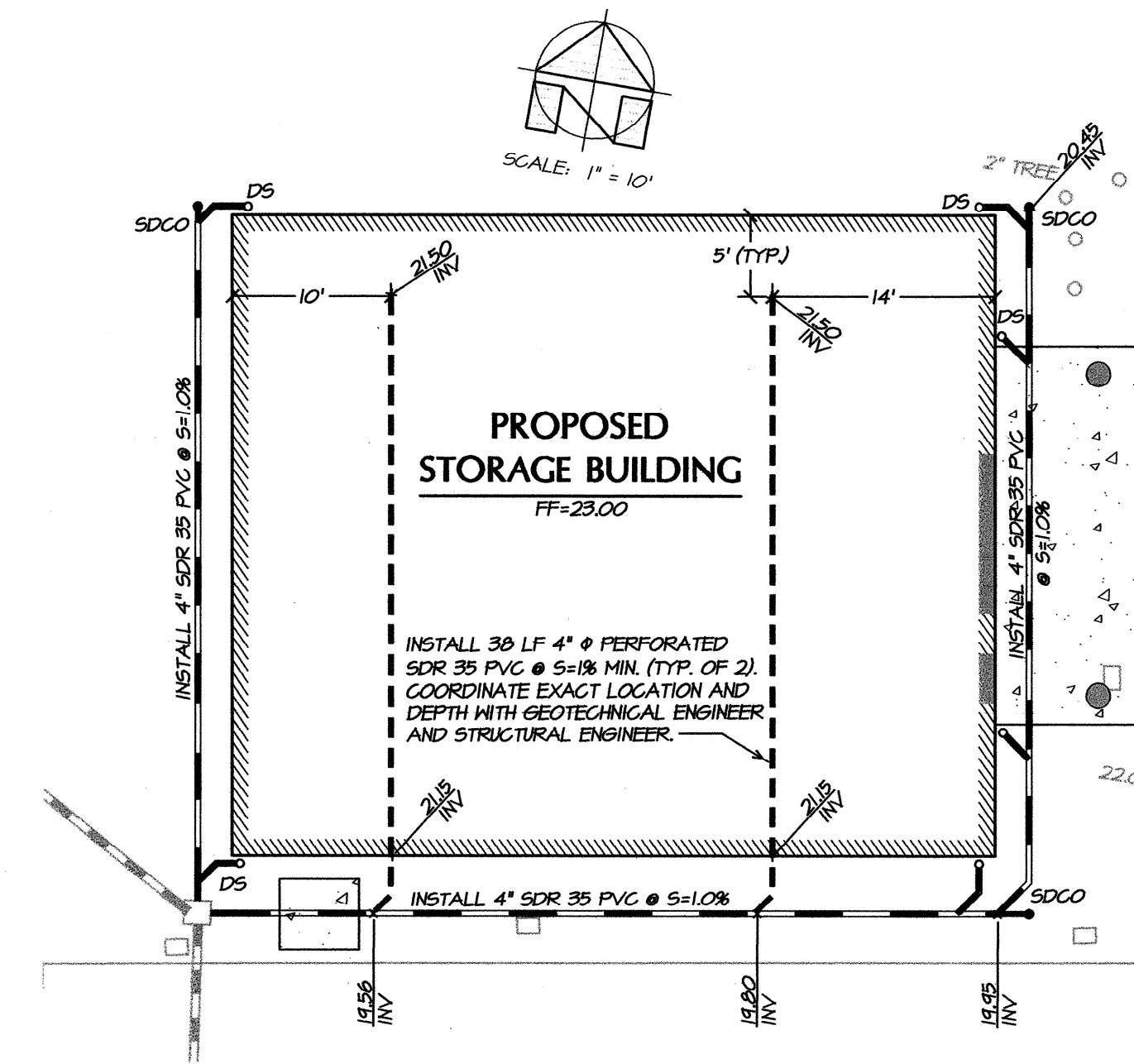
WINGWALL DETAIL FOR BLOW-OFFS AND VERTICAL OFFSETS

THRUST BLOCKS
NO SCALE

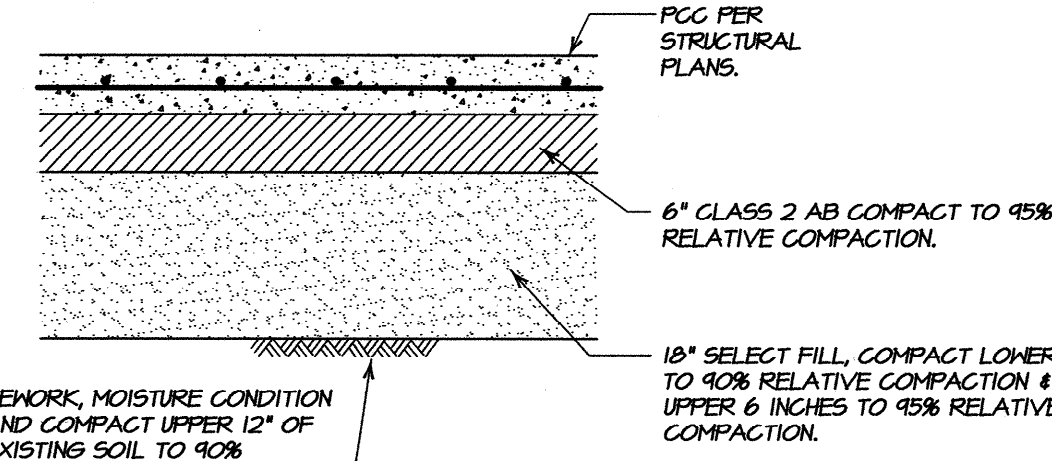


LOCATION	BOX (MODEL NO.)	LID (MODEL NO.)
TRAFFIC & WALKWAY AREAS	65 TRAFFIC VALVE BOX (65TBX)	CAST IRON (65C)
LANDSCAPE AREAS	FB CURB VALVE BOX (FBTBX)	REINFORCED CONCRETE (FBID)

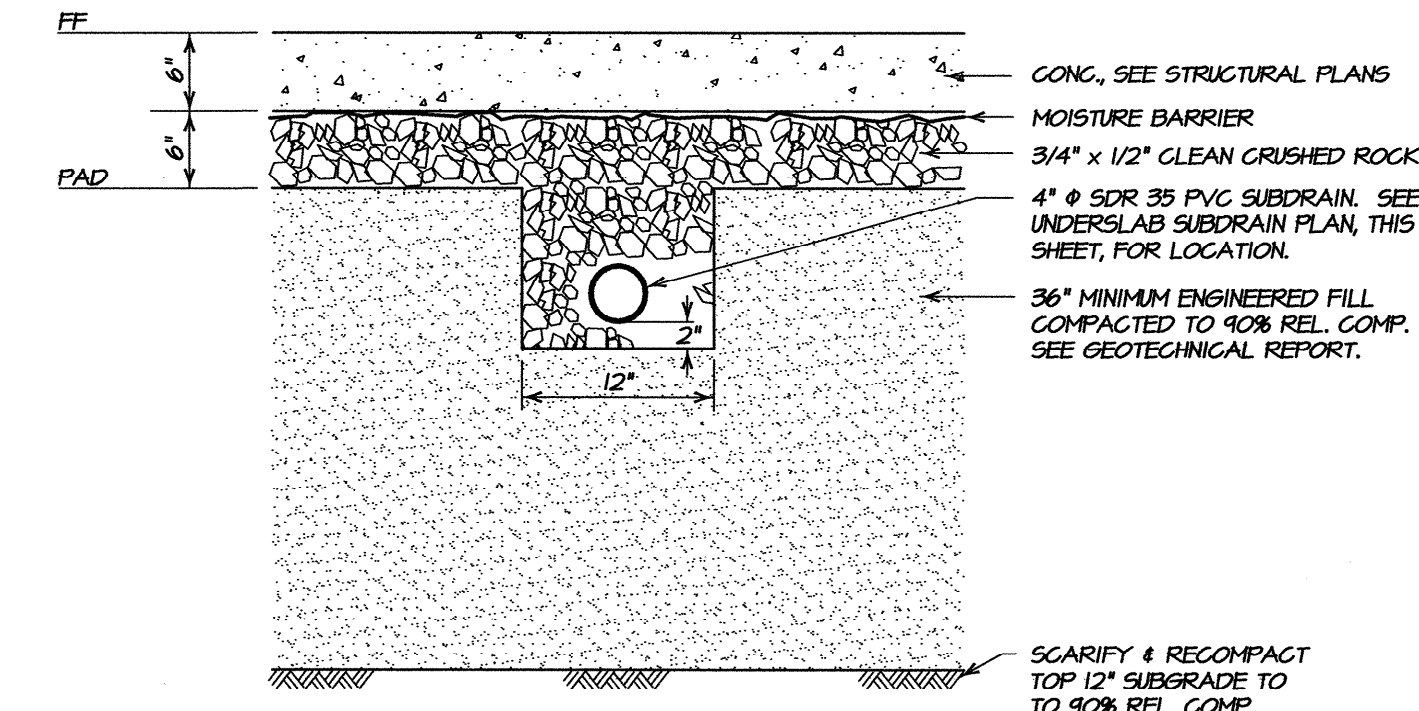
STORM DRAIN CLEANOUT DETAIL
NO SCALE



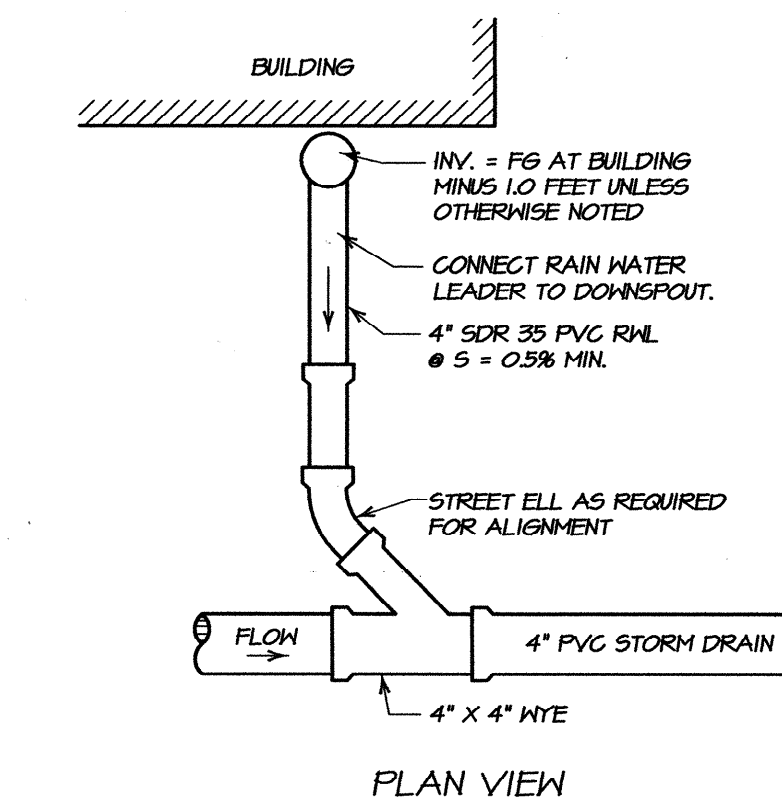
UNDER SLAB SUBDRAIN PLAN
SCALE: 1" = 10'



PCC SLAB SECTION (TRAFFIC)
NO SCALE



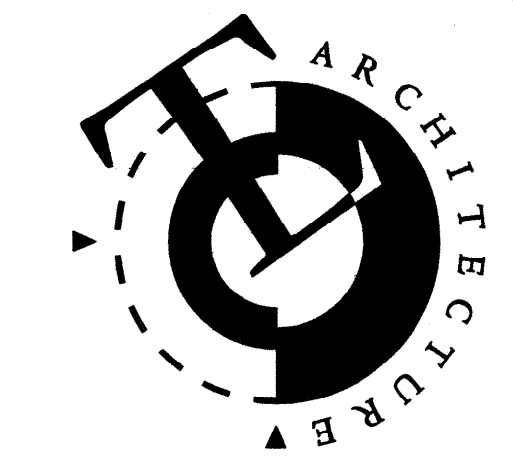
BUILDING PAD SECTION
NO SCALE



RAIN WATER LEADER DETAIL
NO SCALE

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WINE STORAGE BUILDING

2277 NAPA-VALLEJO HWY. NAPA, CA 94558

NAPA COMMUNITY COLLEGE DISTRICT
NAPA, CALIFORNIA

PROJECT NUMBER: 05067.00

DATE: March 2, 2007

DRAWN BY: SRL / BT

CHECKED BY: PNB

REVISIONS:
March 2, 2007 Plan Check Revisions

DETAIL SHEET

C4

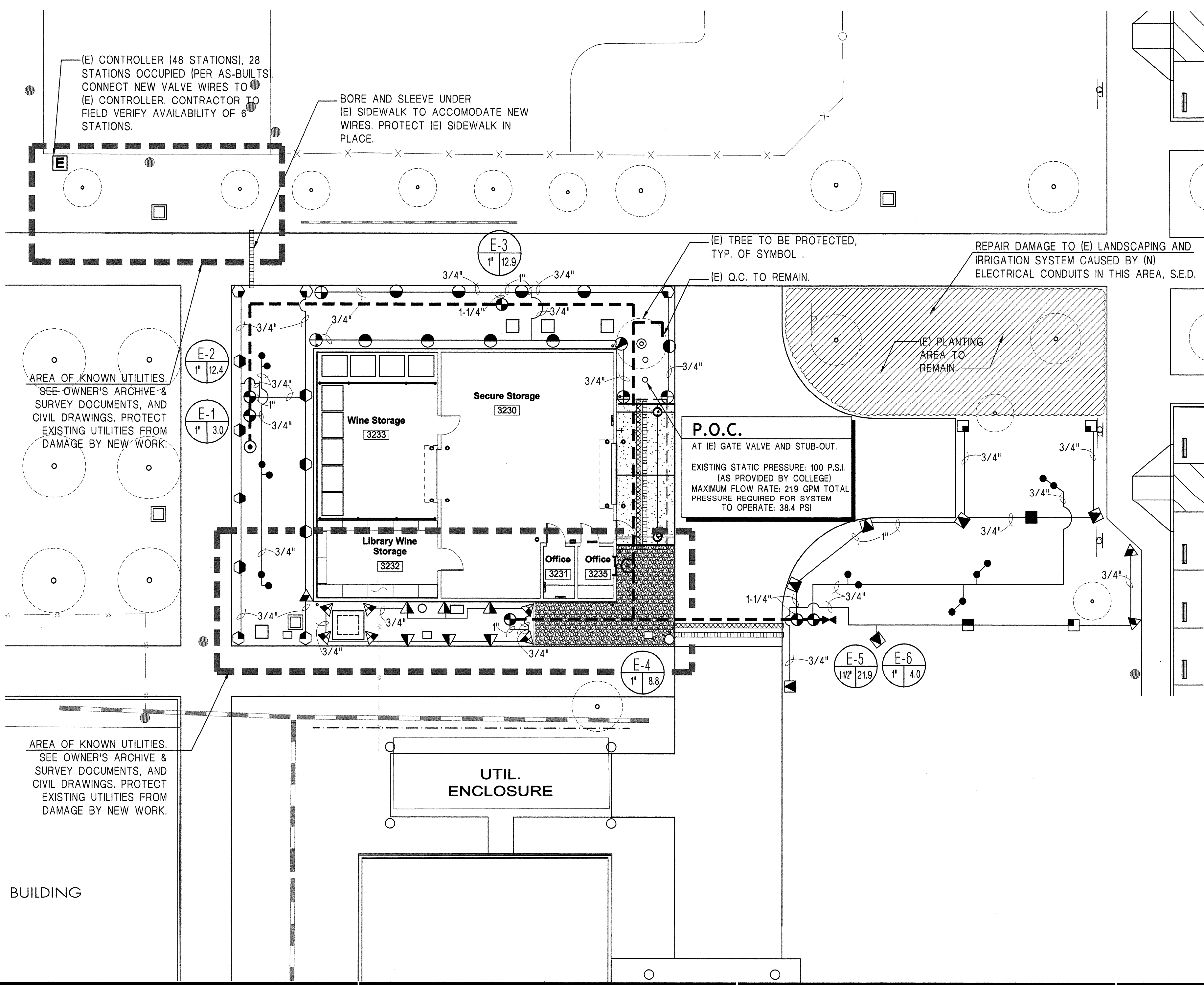
BE JOB #03-50

INSTALLATION NOTES

1. THE LANDSCAPE CONTRACTOR SHALL INSPECT THE SITE AND VERIFY CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION.
2. INSTALL IRRIGATION SYSTEM IN ACCORDANCE WITH ALL LOCAL CODES AND ORDINANCES.
3. SEE DETAILS AND SPECIFICATIONS FOR PROCEDURES, MATERIAL AND INSTALLATION REQUIREMENTS.
4. THE IRRIGATION SYSTEMS ARE DESIGNED TO OPERATE AT 21.9 GPM, AND 100 P.S.I. AT POINT OF CONNECTION. LANDSCAPE CONTRACTOR SHALL VERIFY PRESSURE AT THE POINT OF CONNECTION PRIOR TO INSTALLATION OF THE IRRIGATION SYSTEM. NOTIFY OWNER'S REPRESENTATIVE OF MEASURED PRESSURE BEFORE CONSTRUCTION BEGINS. NOTIFY LANDSCAPE ARCHITECT IF PRESSURE IS BELOW 90 P.S.I. OR OVER 115 P.S.I. TO DETERMINE NEEDED PRESSURE REGULATION DEVICES (IE: BOOST PUMP OR REGULATING VALVE).
5. THE IRRIGATION DESIGN IS DIAGRAMMATIC. ALL PIPING, VALVES, ETC., SHOWN WITHIN PAVED AREAS ARE FOR GRAPHIC CLARITY ONLY AND SHALL BE INSTALLED IN PLANTING AREAS TO THE GREATEST EXTENT POSSIBLE. AVOID CONFLICT WITH UTILITIES, NEW PLANTING, NEW SITE OR ARCHITECTURAL ELEMENTS, AND EXISTING TREES.
6. THE CONTRACTOR SHALL NOT WILLFULLY INSTALL THE IRRIGATION SYSTEM AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN OBSTRUCTIONS, GRADE DIFFERENCE OR DISCREPANCIES IN AREA DIMENSIONS EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN ENGINEERING. SUCH OBSTRUCTIONS OR DIFFERENCES SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S AUTHORIZED REPRESENTATIVE AND THE LANDSCAPE ARCHITECT. IN THE EVENT THIS NOTIFICATION IS NOT PERFORMED, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISION NECESSARY.

7. PRIOR TO CUTTING INTO SOIL, LOCATE ALL CABLES, CONDUITS, SLEEVES AND OTHER UTILITIES OR ARCHITECTURAL FEATURES THAT ARE COMMONLY ENCOUNTERED UNDERGROUND AND TAKE PROPER PRECAUTIONS NOT TO DAMAGE OR DISTURB SUCH IMPROVEMENTS. ANY DAMAGE MADE DURING THE INSTALLATION OF THE IRRIGATION SYSTEM OF THE AFOREMENTIONED ITEMS SHALL BE REPAIRED AND/OR REPLACED TO THE SATISFACTION OF THE OWNER AT THE CONTRACTOR'S OWN EXPENSE. CONTACT USA AT 1-800-227-2600.
8. THE LANDSCAPE CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES INVOLVED: I.E. GRADING, PLUMBING AND ELECTRICAL CONTRACTORS.
9. ALL COMPONENTS OF THE SYSTEM SHALL BE INSTALLED AND ADJUSTED TO PROVIDE 100% COVERAGE AND TO PREVENT MISTING AND OVERSPRAY ONTO BUILDINGS, WINDOWS, PAVED AREAS, ETC. THROTTLE FLOW CONTROL AT VALVES FOR OPTIMUM OPERATION.
10. CONTRACTOR SHALL COORDINATE SLEEVING FOR IRRIGATION PIPING WITH PAVING CONTRACTOR PRIOR TO INSTALLATION. WHERE PIPE SIZES HAVE BEEN OMITTED OR THERE IS A CONFLICT, REFER TO THE LATERAL PIPE SIZING CHART FOR SIZES. CONTRACTOR TO PROVIDE AS-BUILT SLEEVING PLAN TO LANDSCAPE ARCHITECT PRIOR TO INSTALLATION OF IRRIGATION SYSTEM.
11. ALL LATERAL END RUNS SHALL BE 3/4" SIZE UNLESS OTHERWISE NOTED.
12. INSTALL ONE SPARE COMMON AND CONTROL WIRE FROM EACH CONTROLLER IN A CONTINUOUS LOOP THROUGH EACH VALVE BOX CONNECTED TO THAT CONTROLLER FOR FUTURE USE.

13. CONTRACTOR SHALL MAKE FINAL CONNECTION BETWEEN ELECTRICAL SUPPLY AND THE CONTROLLER. SEE CONTROLLER DETAIL. ELECTRICAL SUPPLY TO BE PROVIDED BY OTHERS. SEE ELECTRICAL PLANS.
14. CONTRACTOR SHALL MAKE FINAL CONNECTION BETWEEN WATER SOURCE AND IRRIGATION SYSTEM. SEE CIVIL PLANS.
15. ALL VALVES SHALL BE PLACED IN RAINBIRD VB-STD, OR EQUAL, VALVE BOX WITH COLOR-CODING AND LABELING FOR NON-POTABLE USE. ALL VALVE BOXES SHALL BE LOCATED IN GROUNDCOVER AREAS WHENEVER POSSIBLE. TO ALLOW FOR DEPTH OF PLANTING AND MULCH, INSTALL VALVE BOXES TO THAT THE TOP OF THE BOX IS 1/2" ABOVE FINISHED GRADE IN SEEDED AREAS, 1" ABOVE F.G. IN SOD AREAS AND 3" ABOVE F.G. IN PLANTERS.
16. STATION OPERATION TIMES SHALL NOT EXCEED THE SOILS INFILTRATION RATE AS DETERMINED BY THE SOILS REPORT.
17. DO NOT TRENCH IN OR INSTALL IRRIGATION PIPING, HEADS OR EQUIPMENT IN LIME-TREATED SOIL.
18. ADJUST HEIGHT OF SPRINKLER HEADS TO PLANTED AREA: FLUSH WITH FINISHED GRADE IN SEEDED AREAS, 1" ABOVE FINISHED GRADE IN SOD AREAS AND 2" ABOVE FINISHED GRADE IN MULCHED AREAS.
19. NON-POTABLE IRRIGATION NOTE. THIS SYSTEM IS BEING INSTALLED FOR NON-POTABLE WATER USE. ALL PIPE, EQUIPMENT, HEADS, AND FITTINGS SHALL BE COLOR-CODED AND LABELED FOR NON-POTABLE USE PER ALL APPLICABLE STATE AND LOCAL CODES. ALSO SEE RECLAIMED WATER NOTES, SHEET L2.1



IRRIGATION LEGEND

SYMBOL	DESCRIPTION	GPM	PSI	RADIUS	
●	BUBBLER	RAINBIRD RWS-M-BCG	0.25	30	1'
■	POP-UP SPRAY HEAD	HUNTER INST-12-CV-R 15F	3.72	30	15'
■	POP-UP SPRAY HEAD	HUNTER INST-12-CV-R 15H	1.86	30	15'
■	POP-UP SPRAY HEAD	HUNTER INST-12-CV-R 15Q	.93	30	15'
■	POP-UP SPRAY HEAD	HUNTER INST-12-CV-R 15A	.47-3.72	30	15'
■	POP-UP SPRAY HEAD	HUNTER INST-12-CV-R 12H	1.31	30	12'
■	POP-UP SPRAY HEAD	HUNTER INST-12-CV-R 12Q	.63	30	12'
■	POP-UP SPRAY HEAD	HUNTER INST-12-CV-R 10H	.98	30	10'
■	POP-UP SPRAY HEAD	HUNTER INST-12-CV-R 10Q	.49	30	10'
■	POP-UP SPRAY HEAD	HUNTER INST-12-CV-R 10A	.25-1.96	30	10'
■	POP-UP SPRAY HEAD	HUNTER INST-12-CV-R 8H	.98	30	8'
■	POP-UP SPRAY HEAD	HUNTER INST-12-CV-R 8Q	.49	30	8'
■	POP-UP SPRAY HEAD	HUNTER INST-12-CV-R 8A	.25-1.96	30	8'

ALL SPRINKLERS SHALL BE MARKED FOR RECLAIMED, NON-POTABLE WATER AS OUTLINED IN RECLAIMED WATER NOTES.

EQUIPMENT

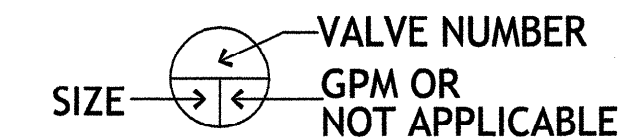
⊗	GATE VALVE	NIBCO T-113, LINE SIZED
⊙	QUICK COUPLING VALVE	HUNTER HQ-44-LRC-AW-R
⊕	REMOTE CONTROL VALVE	HUNTER 1CV-FS-AS-R
E	EXISTING AUTOMATIC ELECTRIC CONTROLLER	HUNTER, PEDESTAL MOUNT, 48 STATION (28 STATIONS OCCUPIED), PER AS-BUILTS.

ALL EQUIPMENT SHALL BE MARKED FOR RECLAIMED, NON-POTABLE WATER AS OUTLINED IN RECLAIMED WATER NOTES.

PIPE AND SLEEVING

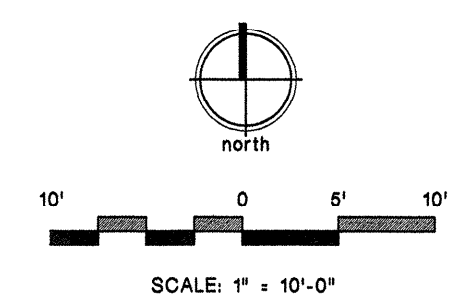
---	PRESSURE MAINLINE	2" PVC CLASS 315 UNLESS OTHERWISE NOTED, SLEEVE UNDER ALL PAVING.
---	NON-PRESSURE LATERAL LINE	PVC CLASS 200, SIZE PER PLAN, SLEEVE UNDER ALL PAVING.
----	MAINLINE SLEEVING, 6"	1120/SCH 40 PVC PIPE, 24" COVER
----	WIRE SLEEVING, 4"	1120/SCH 40 PVC PIPE, 24" COVER

ALL PIPING SHALL BE MARKED FOR RECLAIMED, NON-POTABLE WATER AS OUTLINED IN RECLAIMED WATER NOTES.

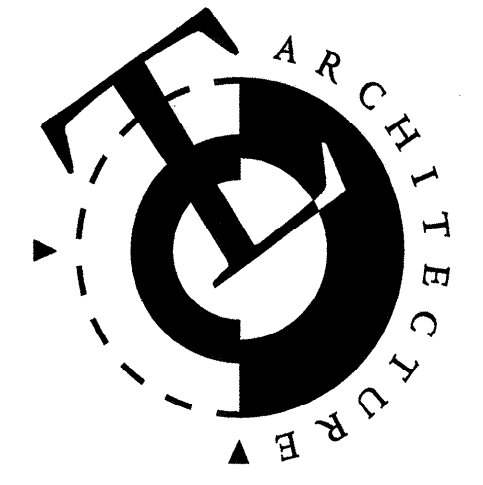


CONTROL WIRE SIZING GUIDE

COMMON CONTROL WIRE	NO. 14	NO. 12	NO. 10	NO. 8
NO. 14	1700'	2000'	2400'	2700'
NO. 12		2700'	3300'	3800'
NO. 10			4800'	5200'
NO. 8				6700'



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WINE STORAGE BUILDING

2277 NAPA-VALLEJO HWY. NAPA, CA 94558

NAPA COMMUNITY COLLEGE DISTRICT
 NAPA, CALIFORNIA

PROJECT NUMBER: 05067.00
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 CHECKED BY: WM
 REVISIONS: March 2, 2007 Plan Check Revisions

LANDSCAPE IRRIGATION PLAN

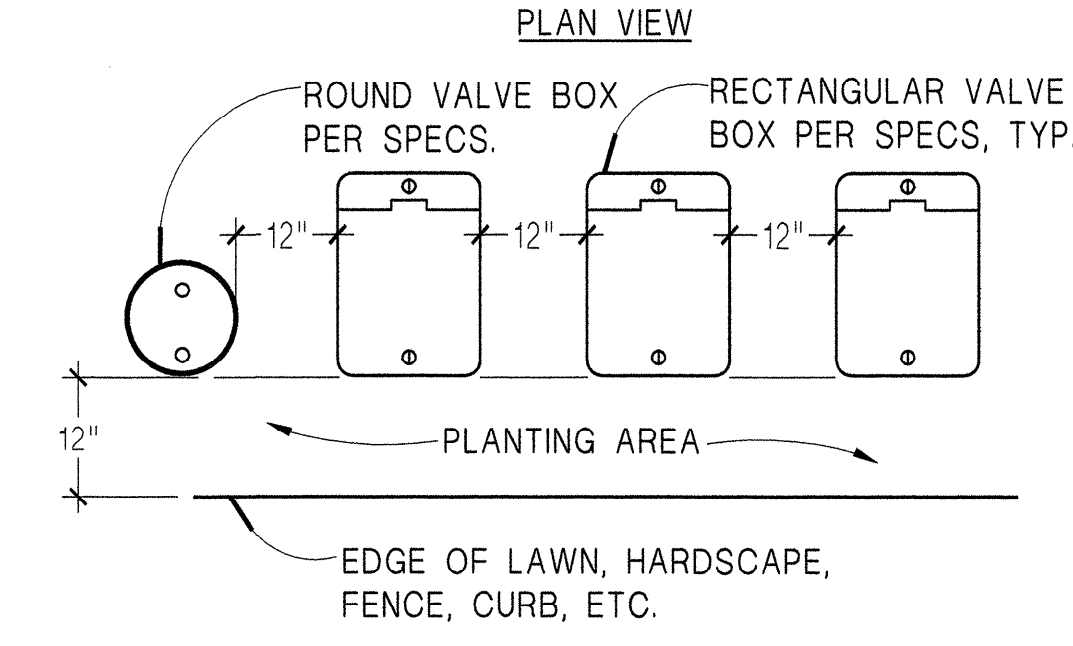
L1.1

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RECLAIMED WATER NOTES

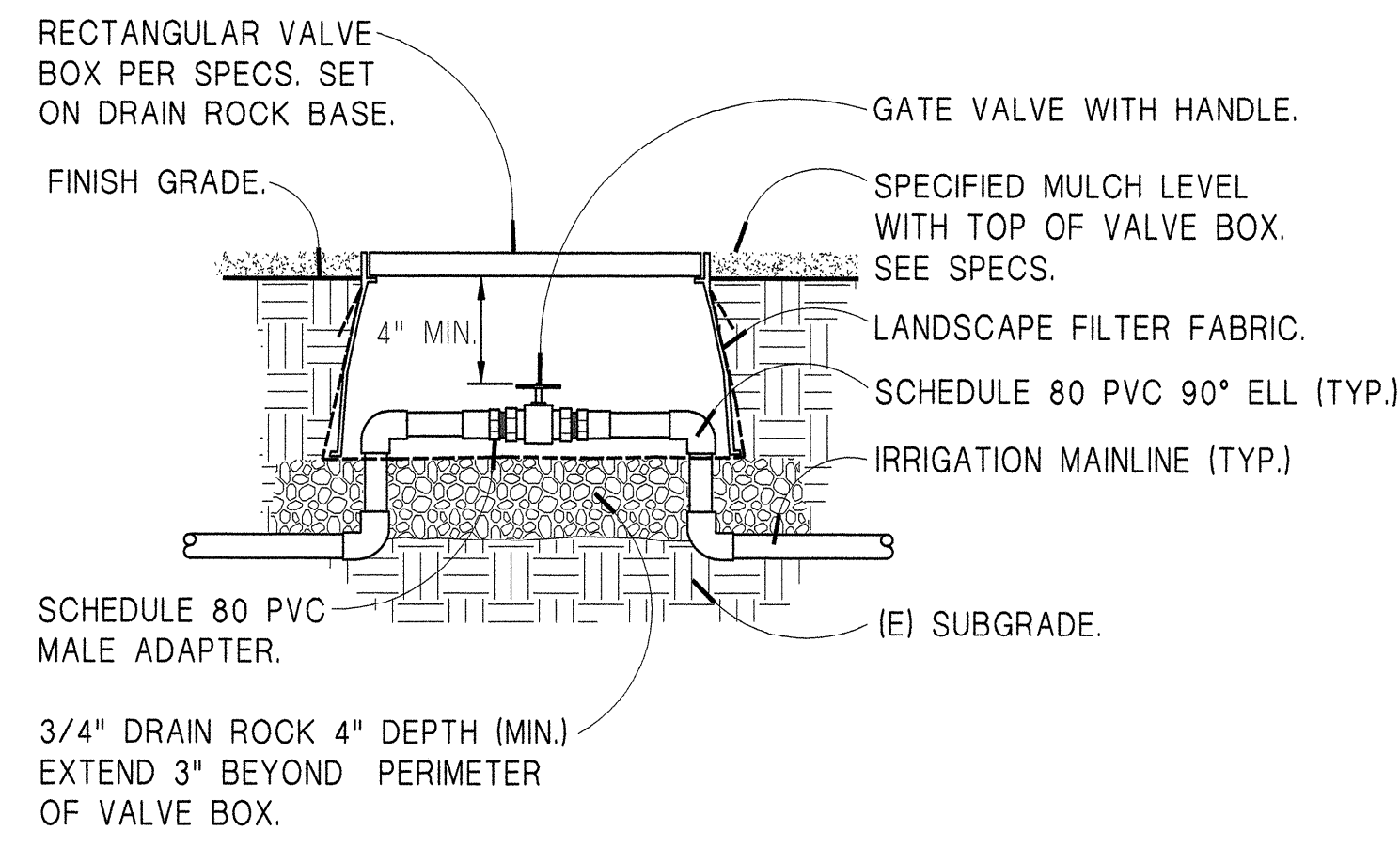
- INSTALLATION OF THE IRRIGATION SYSTEM SHALL BE FOR RECLAIMED WATER AND SHALL CONFORM TO THE FOLLOWING:
 - CALIFORNIA DEPARTMENT OF ENVIRONMENTAL HEALTH: "TITLE 22", DIVISION 4 OF THE ADMINISTRATIVE CODE.
 - CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD REQUIREMENTS
 - STATE DEPARTMENT OF HEALTH SERVICES GUIDELINES FOR WORKER PROTECTION AND "GUIDELINES FOR USE OF RECLAIMED WATER"
 - AMERICAN WATER WORKS ASSOCIATION "GUIDELINES FOR DISTRIBUTION OF NON POTABLE WATER"
- NO WORK SHALL START UNTIL AFOREMENTIONED REFERENCES ARE REVIEWED COMPLETELY.
- NOTIFY CITY OF NAPA PUBLIC SANITATION DISTRICT'S (707) 258-6000 AUTHORIZED REPRESENTATIVE NO LESS THAN 5 WORKING DAYS PRIOR TO START OF WORK FOR INSPECTION SCHEDULE COORDINATION.
- ALL RECLAIMED WATER PIPELINES, ACCESSORIES, VALVE BOXES, COVERS, IRRIGATION VALVES, SPRINKLERS, EMITTERS AND BUBBLERS SHALL BE CONSTRUCTED OF PURPLE MATERIAL OR PERMANENTLY COLORED PURPLE.
- WITH EXCEPTION OF SPRINKLERS, BUBBLERS, AND EMITTERS, ALL ACCESSORIES ARE TO BE INSTALLED IN PURPLE VALVE BOXES WITH BOLT DOWN COVERS. INSTALL WARNING TAGS (MANUFACTURED BY T. CHRISTY ENT. OR EQUAL) WITH MAXIMUM SIZE, HOT STAMPED BLACK LETTERS ON PURPLE POLYURETHANE BACKGROUND ON EACH DEVICE. TAGS SHALL BEAR THE WORDS: "WARNING, RECLAIMED WATER, DO NOT DRINK".
- PRIOR TO INSTALLATION LOCATE POTABLE WATER MAINS AND/OR LATERAL. MAINTAIN A MINIMUM OF 10' HORIZONTAL AND 1' VERTICAL SEPARATION BETWEEN RECLAIMED IRRIGATION LINES AND POTABLE WATER MAINS WHERE THESE MINIMUM CLEARANCES OF 10' HORIZONTAL AND 1' VERTICAL ARE IMPOSSIBLE TO MAINTAIN AND RECLAIMED AND POTABLE WATER LINES RUN PARALLEL OR CROSS, ENCASE THE RECLAIMED IRRIGATION LINES IN PVC SCHEDULE 80 SLEEVES. SLEEVE SHALL BE CONTINUOUS FOR THE DISTANCE THAT THE TWO PIPES RUN PARALLEL PLUS TEN FEET BEYOND THE POINT WHERE THE TWO LINES SEPARATE AND THE MINIMUM 10' HORIZONTAL AND 1' VERTICAL SEPARATION CANNOT BE MAINTAINED.
- THE FOLLOWING USE RESTRICTIONS SHALL APPLY WITH RESPECT TO RECLAIMED WATER IRRIGATION IMPROVEMENTS SHOWN ON THESE PLANS:
 - NO IRRIGATION WITHIN 3' FEET OF THE DRIP LINE OF AN EXISTING OAK TREE.
 - NO IRRIGATION WITHIN THIRTY 30' FEET OF CREEKS, PROPERTY LINES OF PARCELS NOT IRRIGATED WITH RECLAIMED WATER, OR TRAVELED EASEMENTS USED BY ADJOINING NEIGHBORS NOT IRRIGATING THEIR PARCEL WITH RECLAIMED WATER.
 - APPLICATION OF RECLAIMED WATER SHALL NOT EXCEED THE SOIL ABSORPTION
 - DRINKING FOUNTAINS MUST BE EITHER PLACED OR PROTECTED SO THAT THEY ARE NOT EXPOSED TO ANY SPRAY OR MIST FROM RECLAIMED WATER

- FOOD SERVICE AREAS AND DESIGNATE EATING AREAS MUST BE POSITIONED OR PROTECTED SO THAT THEY ARE NOT EXPOSED TO RECLAIMED WATER. PRESENCE OF RECLAIMED WATER WETNESS OR PONDING IS NOT PERMITTED IN ANY FOOD SERVICE OR EATING AREA.
 - RECLAIMED WATER SHALL NOT BE USED IN VIOLATION OF ANY LAW, ORDINANCE, OR REGULATION NOW IN EFFECT OR HEREAFTER ENACTED OR ADOPTED
- ALL PIPING AND IRRIGATION SYSTEMS SHALL BE DESIGNED AND CONSTRUCTED SO THAT SPRAY OR RUNOFF SHALL NOT ENTER A DWELLING, FOOD HANDLING FACILITY, OR EATING AREA AND SHALL NOT CONTACT ANY DRINKING WATER FOUNTAIN. IRRIGATION WITH RECYCLED WATER SHALL BE ACCOMPLISHED AT A TIME AND MANNER THAT MINIMIZES THE POSSIBILITY OF PUBLIC CONTACT. THE CONTRACTOR SHALL CONDUCT PRESSURE AND COVERAGE TESTS WHEN WIND CONDITIONS ARE SUCH THAT WATER WILL NOT BE WINDBLOWN. RECYCLED WATER OVERSPRAY ON TO AREAS NOT CONTROLLED BY THE OWNER IS PROHIBITED.
 - THE CONTRACTOR SHALL PROPERLY SUPERVISE, INFORM AND WARN ALL INDIVIDUALS INVOLVED IN THE INSTALLATION OF THE RECYCLED WATER IRRIGATION SYSTEM REGARDING THE HAZARDS OF CONTACT WITH RECYCLED WATER. A FIRST AID KIT SHALL BE AVAILABLE AT ALL TIMES DURING INSTALLATION AND OPERATION OF IRRIGATION SYSTEM.
 - FLUSHING OF RECYCLED WATER THROUGH IRRIGATION SYSTEM PIPING SHALL BE PERFORMED IN A MANNER THAT MINIMIZES DISCHARGE FROM THE SITE OR CREATES PONDING. FLUSHING SHALL NOT BE PERMITTED IN A WAY THAT CREATES PUDDLES THAT ALLOW THE RECYCLED WATER TO BECOME STAGNANT. FLUSHING INTO THE SANITARY SEWER IS THE MOST ACCEPTABLE WAY TO DISCHARGE RECYCLED WATER. IF THIS IS NOT POSSIBLE, THEN FLUSHING MAY BE DONE BY DIVERTING RECYCLED WATER INTO A STORAGE TANK, TANK TRUCK OR OTHER APPROVED HOLDING FACILITY. HOLDING FACILITIES MUST BE CLEARLY MARKED WITH WARNING SIGNS. RECYCLED WATER SHALL BE TRANSPORTED AND DISCHARGED AT AN APPROVED SITE IN AN APPROVED MANNER.
 - WHERE BOTH POTABLE AND RECYCLED WATER CUSTOMER FACILITIES EXIST AT A SITE (DUAL SYSTEM), A CROSS-CONNECTION INSPECTION AND TEST SHALL BE PERFORMED ON BOTH THE POTABLE AND RECYCLED WATER SYSTEMS. THE CROSS-CONNECTION TEST WILL BE CONDUCTED BY COLLEGE STANDARDS. THE CONTRACTOR SHALL REQUEST THE CROSS-CONNECTION TEST BY THE COLLEGE A MINIMUM OF 2 DAYS PRIOR TO THE PERFORMING THE TEST. RECYCLED WATER PIPING SHALL BE TESTED USING POTABLE WATER WITH AN APPROVED BACKFLOW PREVENTION DEVICE. THE BACKFLOW TESTING SHALL BE PERFORMED IN ACCORDANCE WITH COLLEGE SPECIFICATIONS AND SHALL BE CERTIFIED PRIOR TO ANY CROSS-CONNECTION TESTING.
 - IN ALL AREAS WHERE RECYCLED WATER IS USED THAT IS ACCESSIBLE TO THE PUBLIC, PLACE WARNING SIGNS SHALL BE INSTALLED AT JOINTLY APPROVED CITY AND COLLEGE LOCATIONS. SIGNS SHALL BE SUPPLIED BY THE COLLEGE FOR INSTALLATION BY THE CONTRACTOR IN ACCORDANCE WITH THE COLLEGE'S SIGN POST DETAIL. CONTRACTOR TO COORDINATE RECYCLED WATER SIGN DECAL INSTALLATION BY NVC AT EACH PEDESTRIAN ACCESS POINT, LOCATION AS SELECTED BY NVC. CONTRACTOR TO INSTALL SIGNS PER NVC STANDARDS AT LOCATIONS AS SELECTED BY NVC.

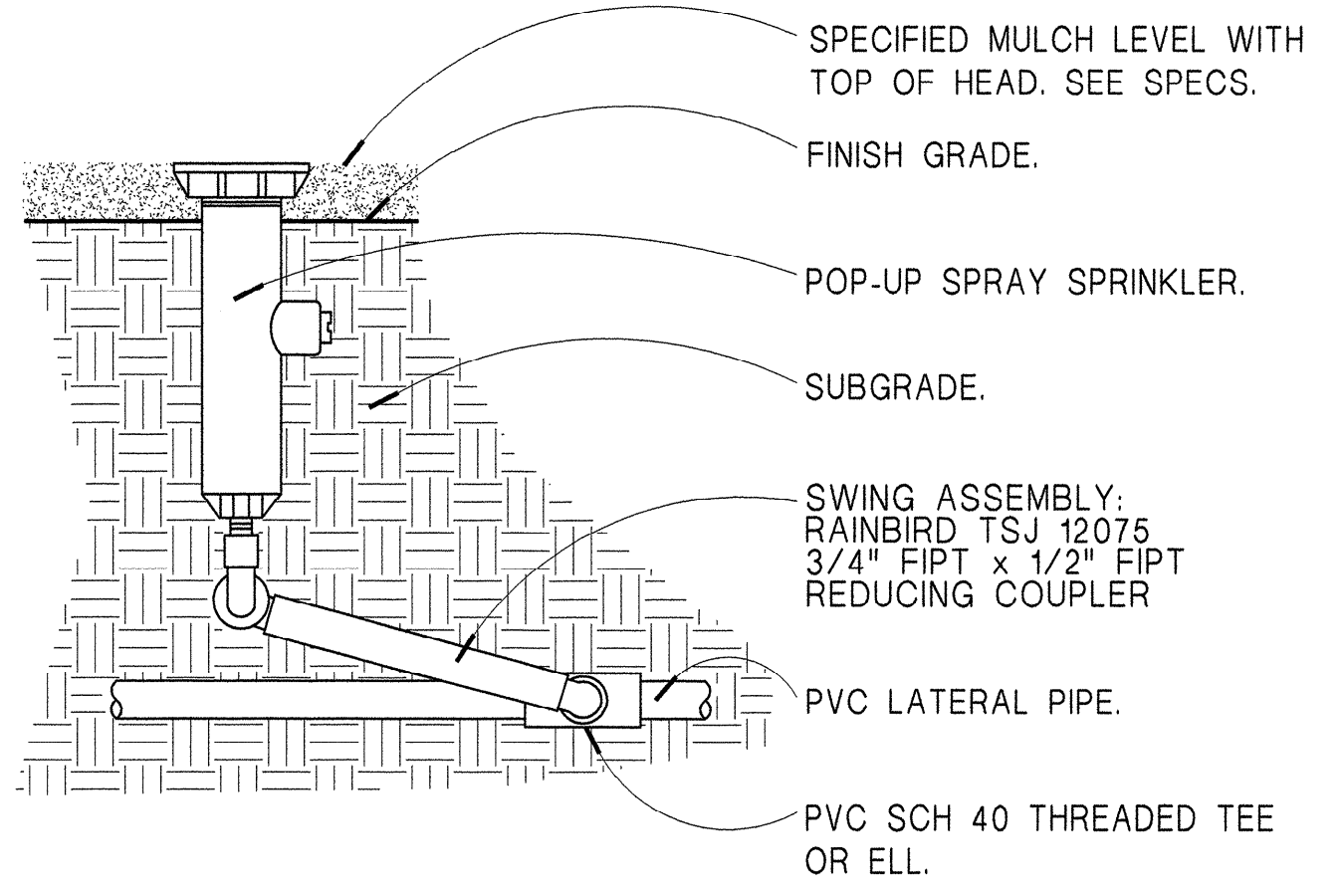


- NOTES:
- CENTER BOXES OVER VALVES.
 - SET BOXES IN GROUND COVER/SHRUB AREA WHERE POSSIBLE.
 - SET BOXES PARALLEL TO EACH OTHER AND PERPENDICULAR TO EDGE OF LAWN, HARDSCAPE, FENCE, CURB, ETC.
 - VALVE BOX SHALL BE PANTONE 512 FOR RECLAIMED WATER.

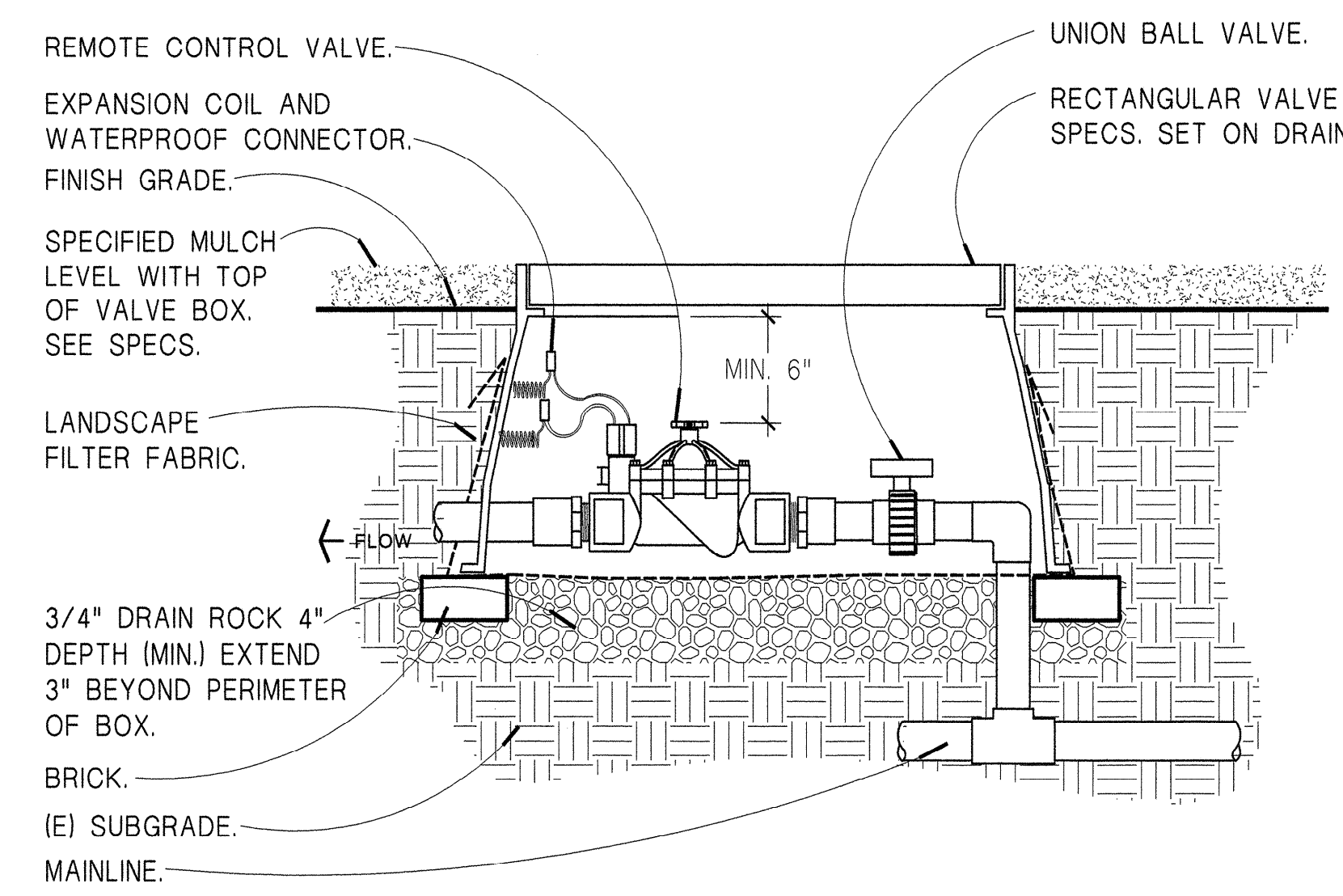
1 VALVE BOX LAYOUT
SCALE: N.T.S.



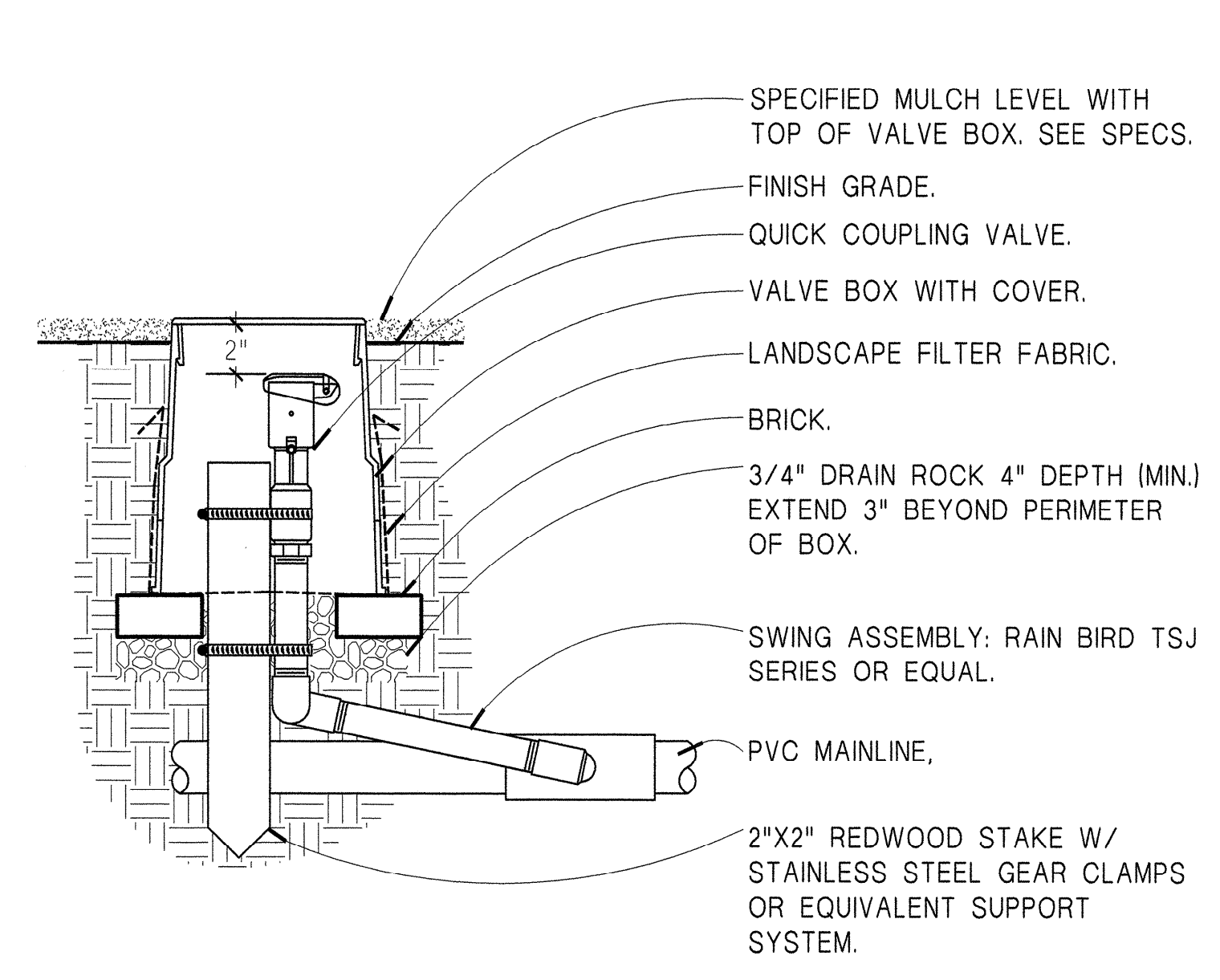
6 GATE VALVE
SCALE: N.T.S.



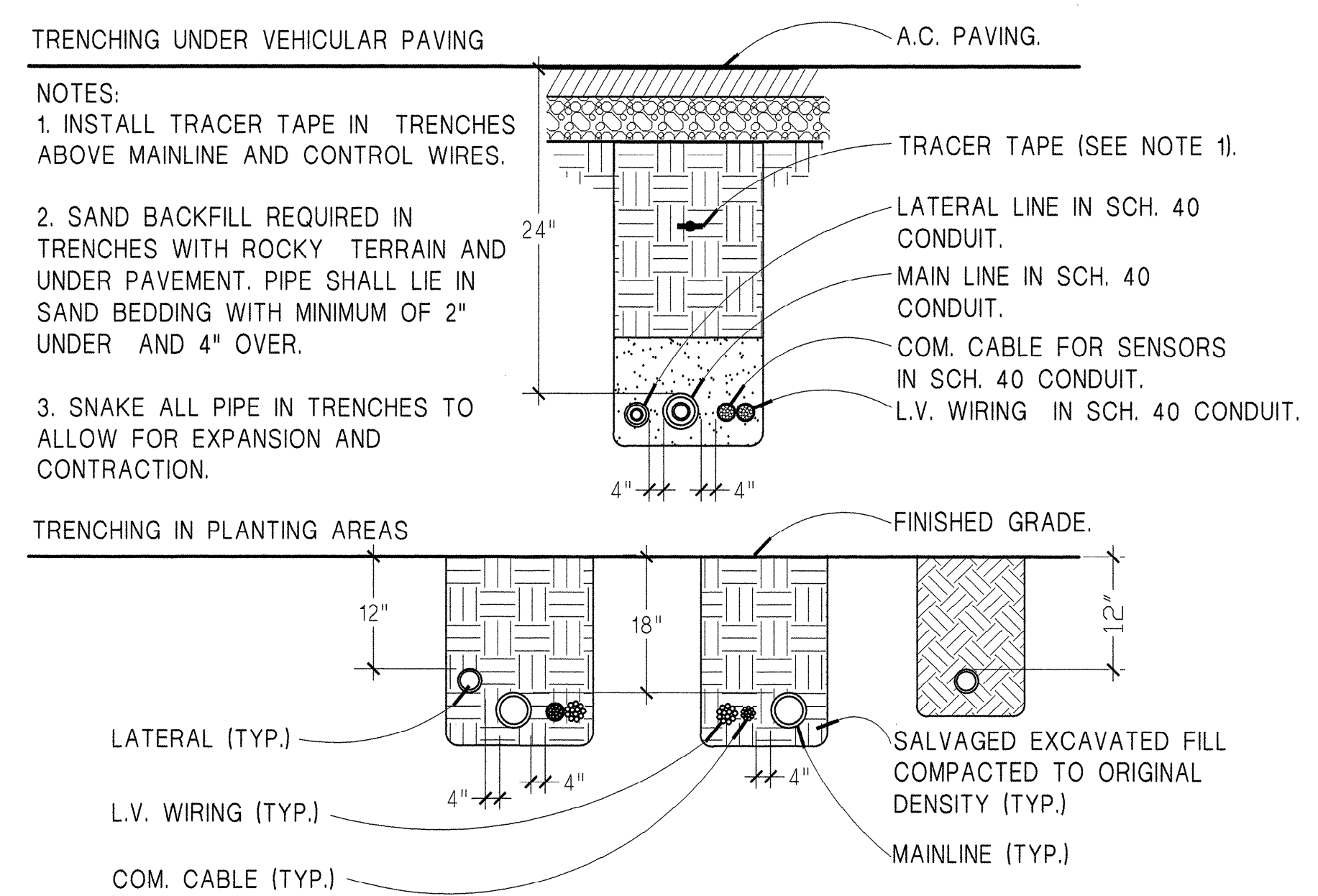
4 POP-UP SPRINKLER
SCALE: N.T.S.



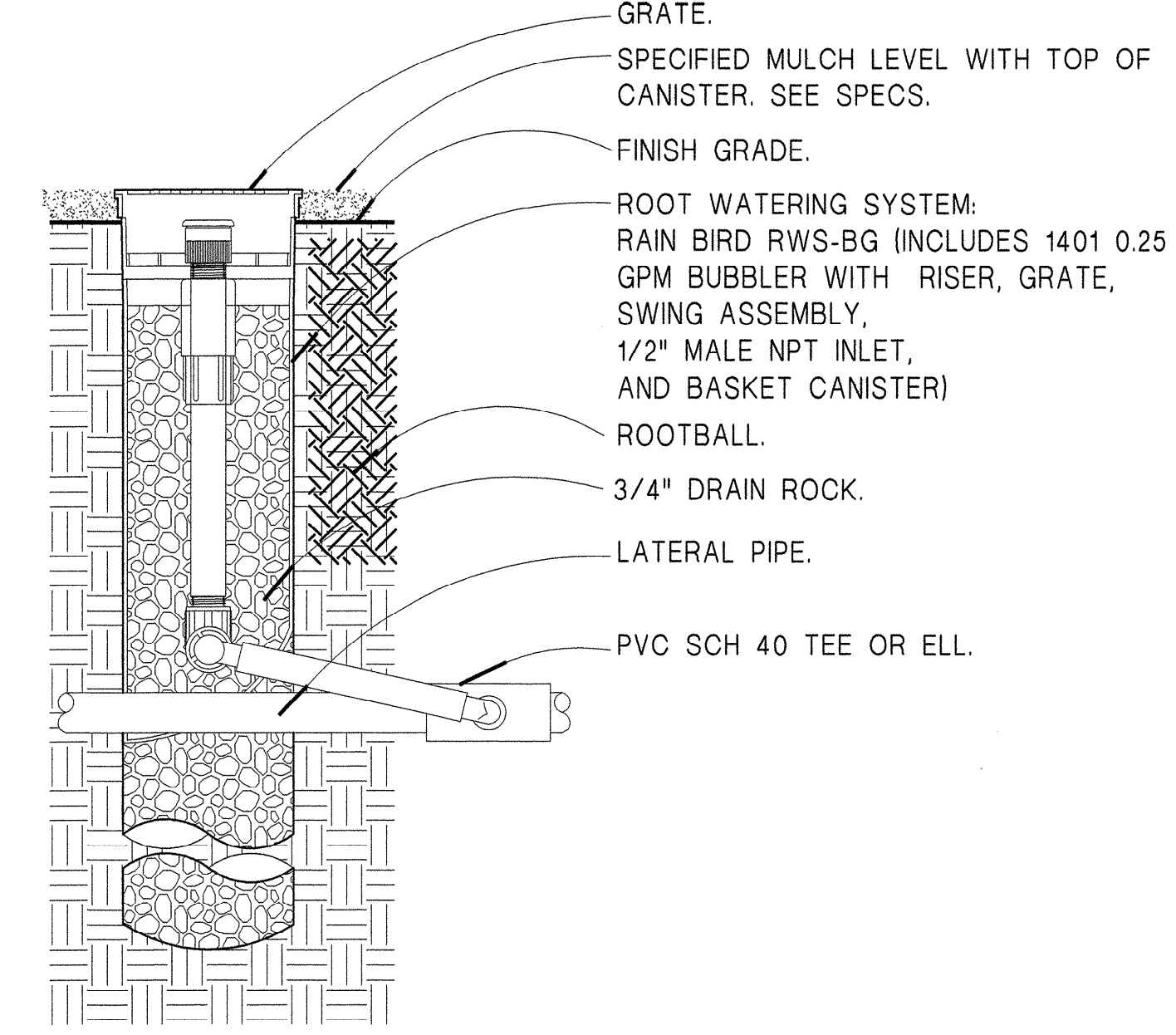
2 REMOTE CONTROL VALVE
SCALE: N.T.S.



7 QUICK COUPLING VALVE
SCALE: N.T.S.



5 TRENCHING
SCALE: N.T.S.



3 DEEP-WATERING TREE BUBBLER
SCALE: N.T.S.

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WINE STORAGE BUILDING

2277 NAPA-VALLEJO HWY. NAPA, CA 94558

NAPA COMMUNITY COLLEGE DISTRICT
NAPA, CALIFORNIA

PROJECT NUMBER: 05067.00
DATE: March 2, 2007
DRAWN BY: ED
CHECKED BY: WM
REVISIONS: March 2, 2007 Plan Check Revisions

LANDSCAPE IRRIGATION DETAILS

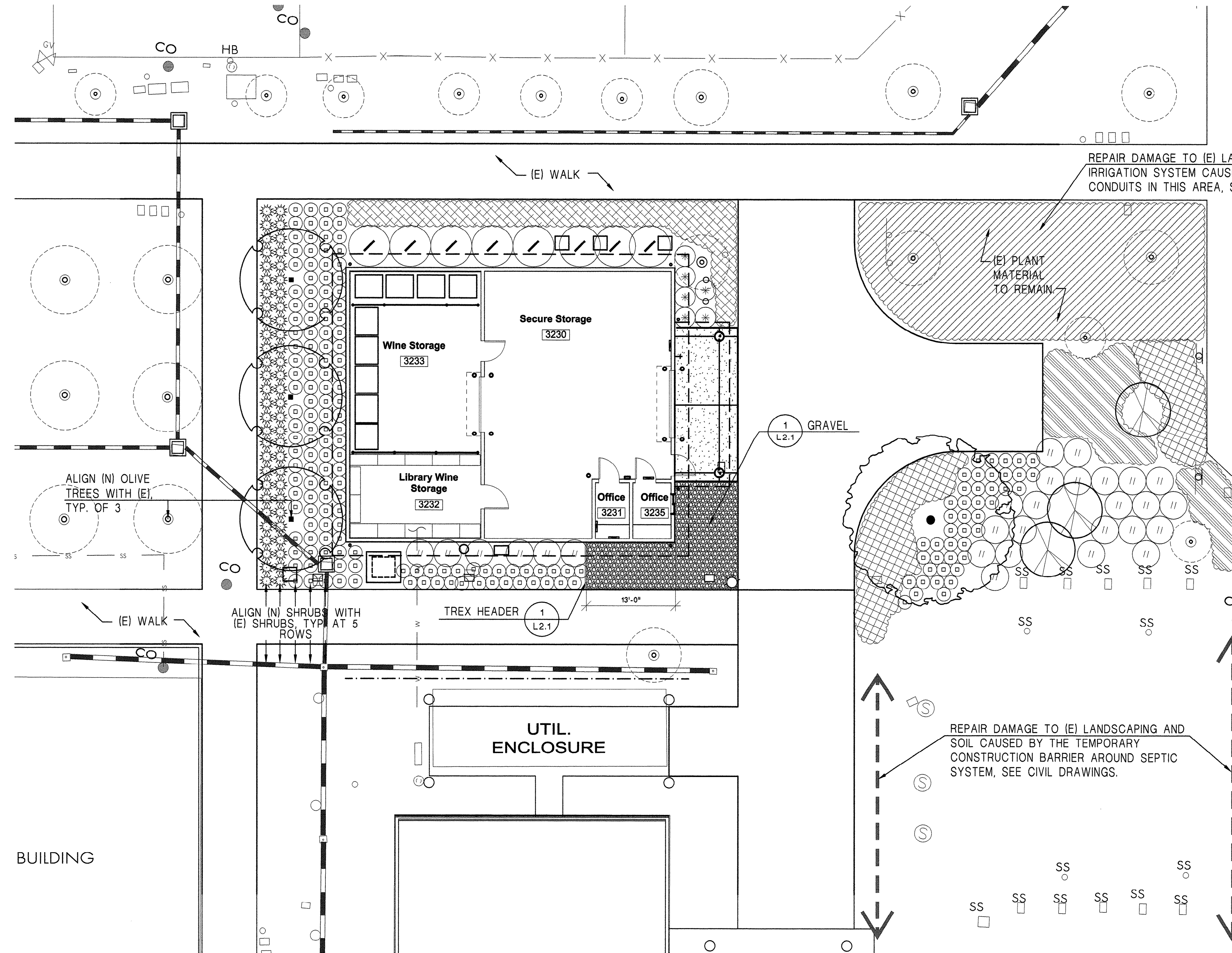
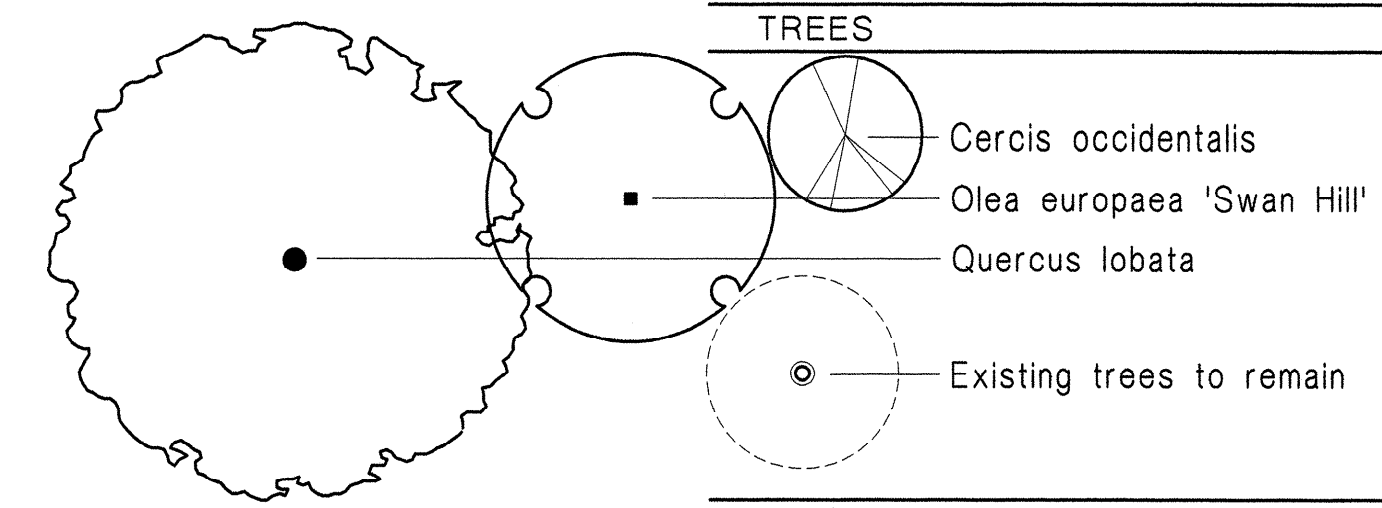
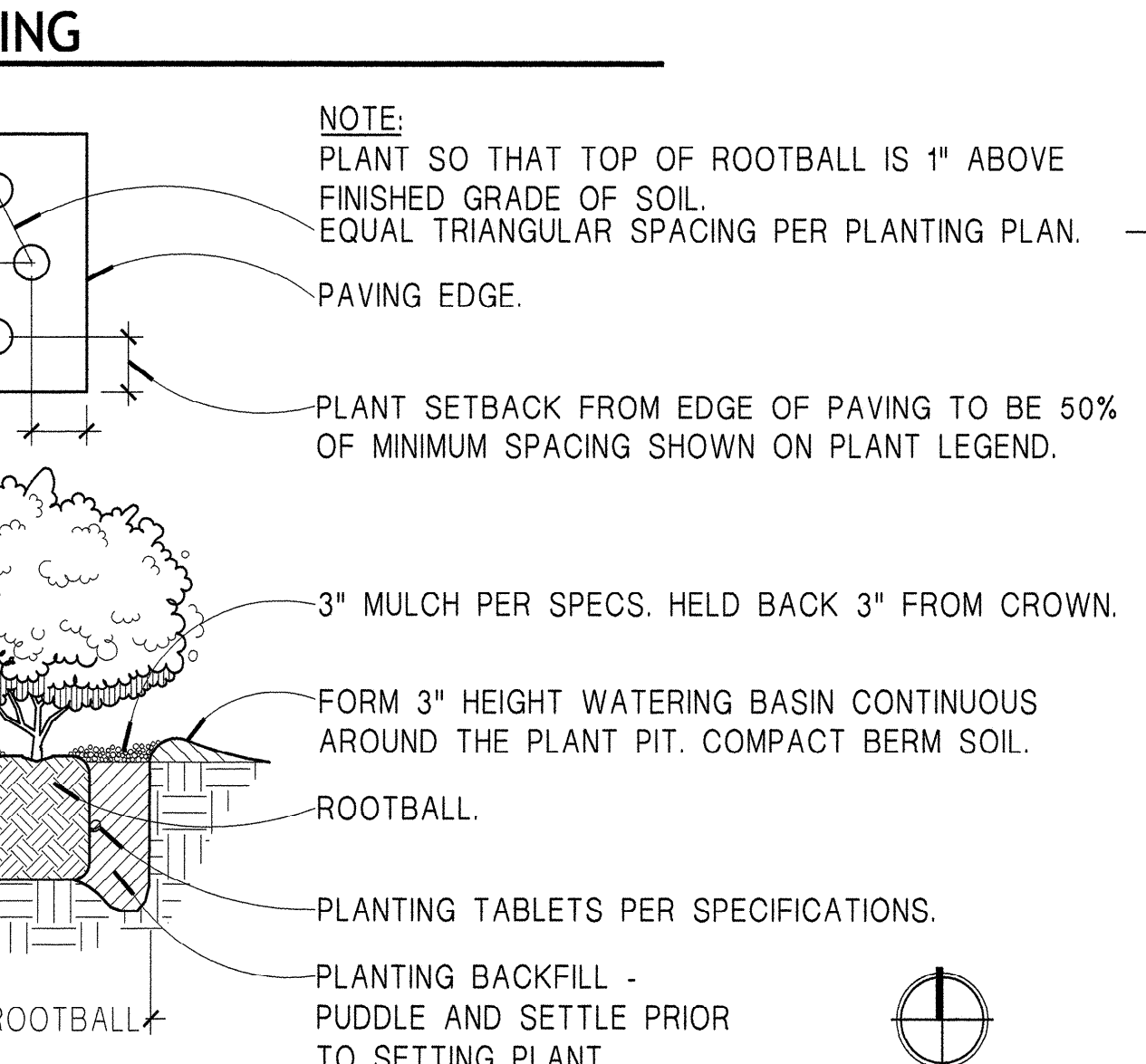
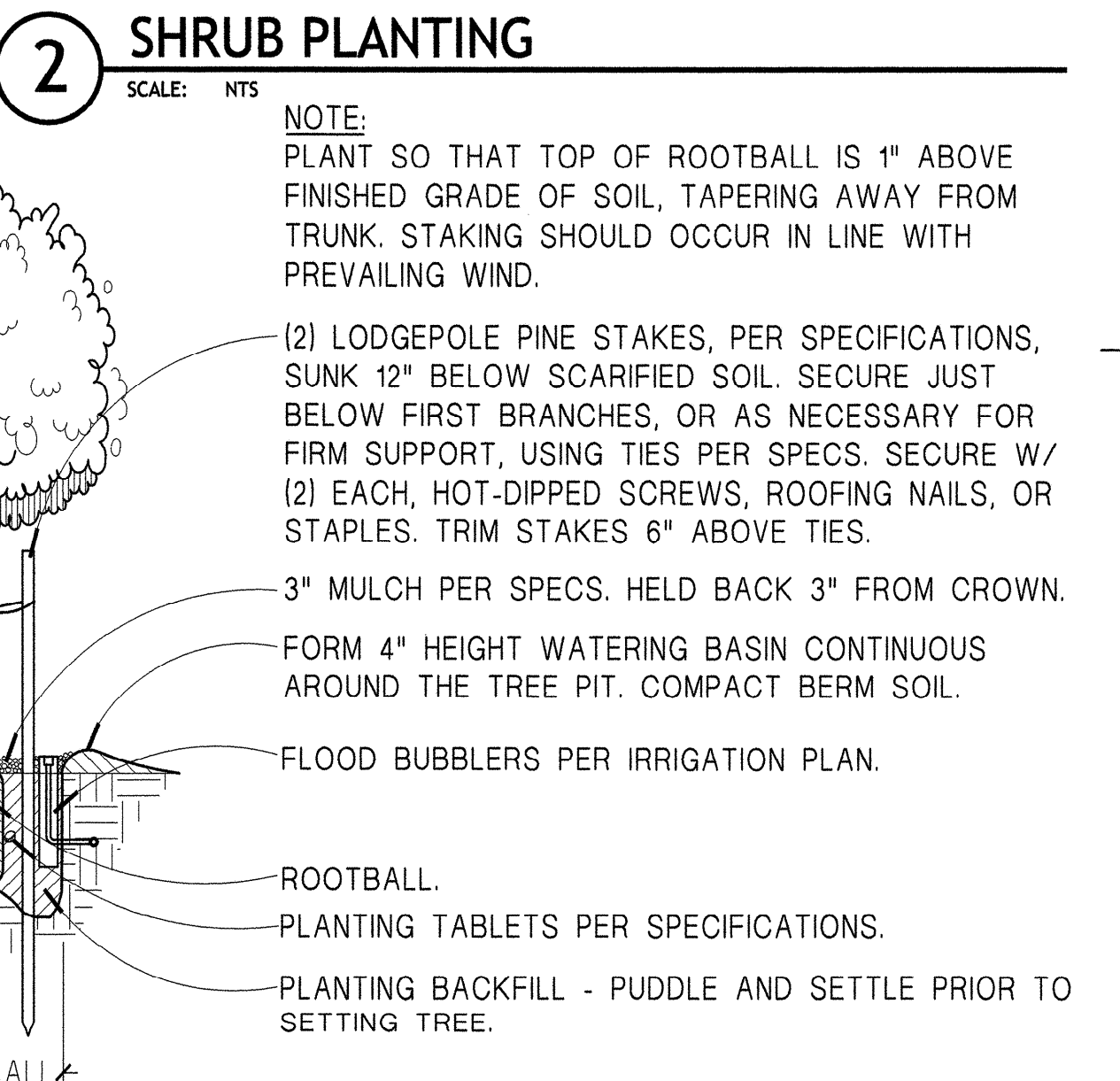
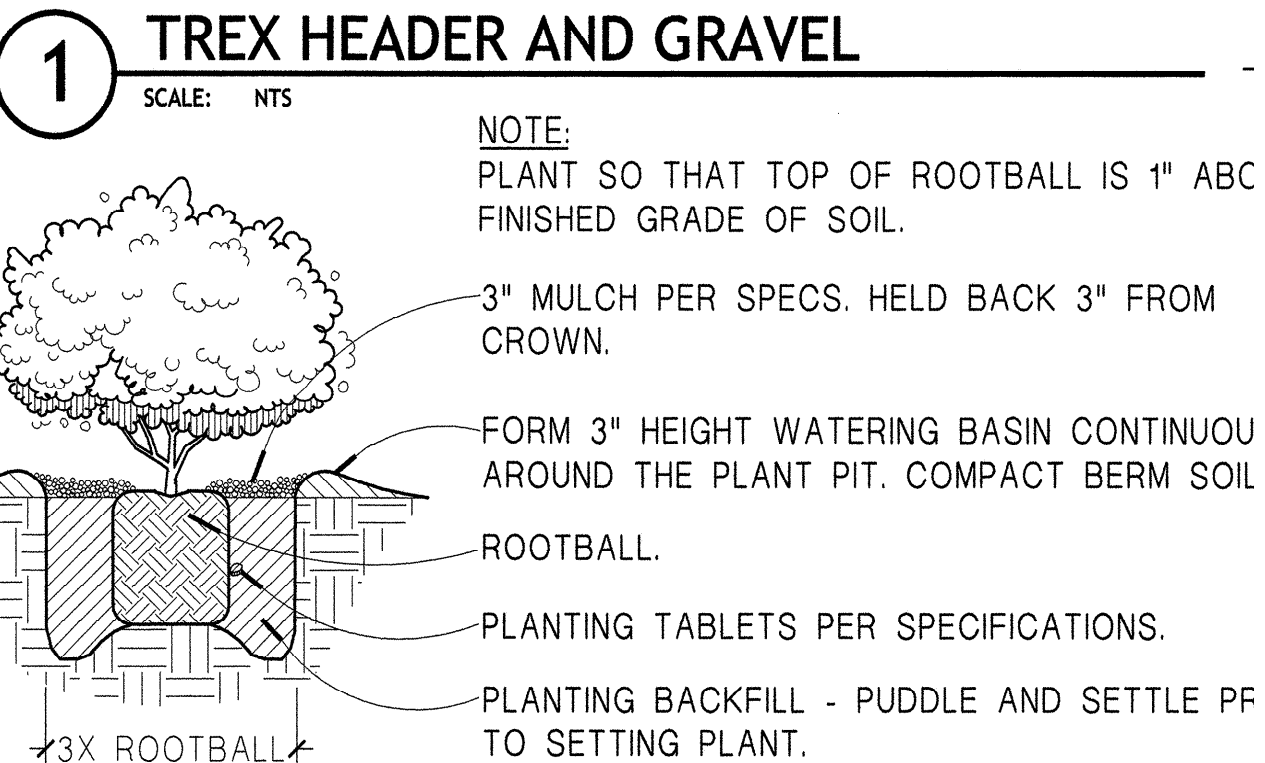
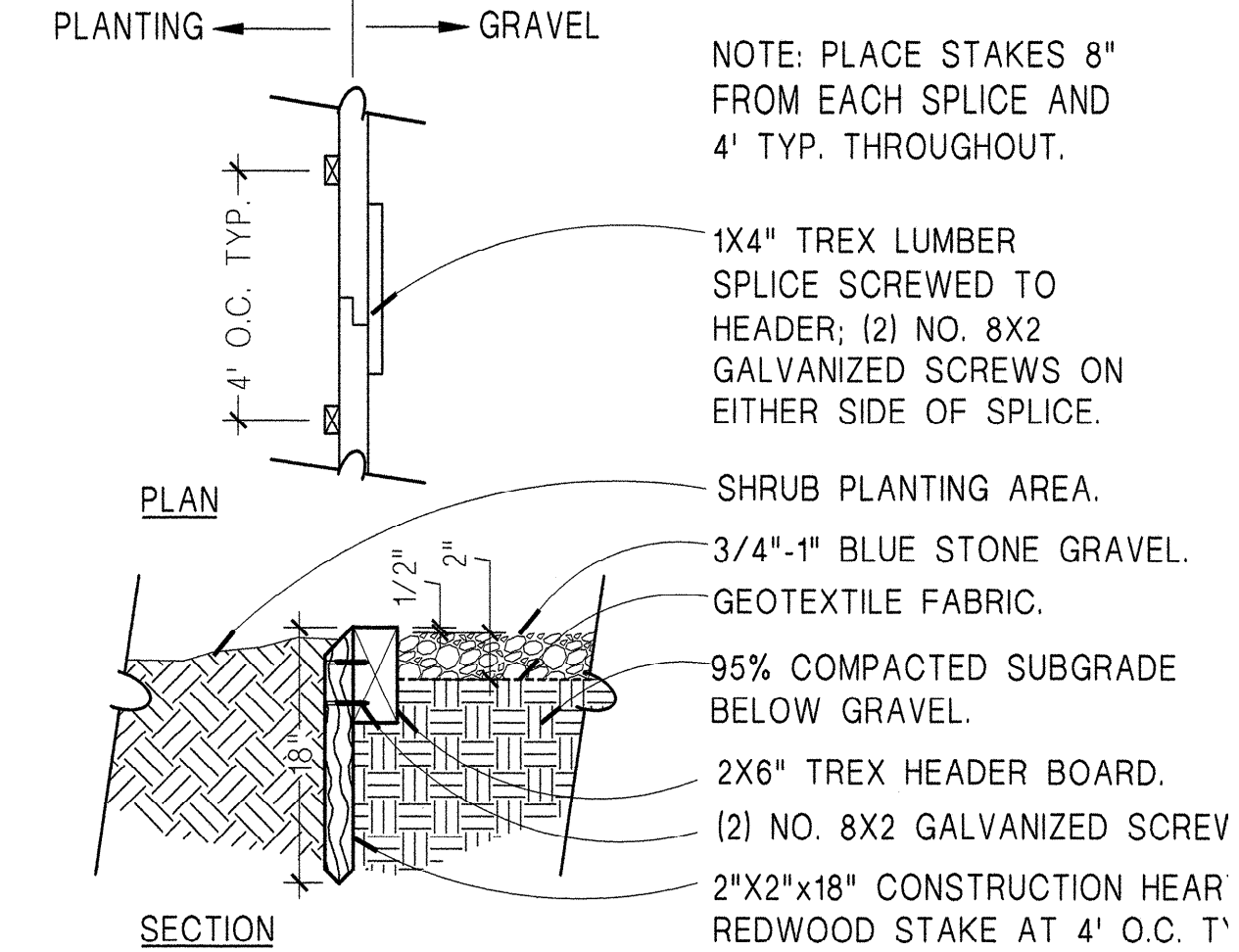
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PLANT LEGEND

SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	QTY	DETAIL
TREES						
	<i>Cercis occidentalis</i>	WESTERN REDBUD (STANDARD)	15 GAL.	PER PLAN	3	3/L2.1
	<i>Olea europaea</i> 'Swan Hill'	FRUITLESS OLIVE	24" BOX	PER PLAN	3	3/L2.1
	<i>Quercus lobata</i>	VALLEY OAK	15 GAL.	PER PLAN	1	3/L2.1
		Existing trees to remain				
SHRUBS						
	<i>Carex tumulicola</i>	BERKELEY SEDGE	1 GAL.	2' O.C.	182	2/L2.1
	<i>Dielties vegeta</i>	FORTNIGHT LILY	5 GAL.	3' O.C.	6	2/L2.1
	<i>Muhlenbergia rigens</i>	DEER GRASS	5 GAL.	4' O.C.	28	2/L2.1
	<i>Phormium tenax</i> 'Jack Spratt'	NEW ZEALAND FLAX	5 GAL.	2' O.C.	56	2/L2.1
	<i>Westringia fruticosa</i>	COAST ROSEMARY	5 GAL.	6' O.C.	8	2/L2.1
GROUNDCOVERS						
	<i>Cistus salviifolius</i>	SAGE LEAF ROCKROSE	1 GAL.	5' O.C.	340 S.F.	4/L2.1
	<i>Ribes viburnifolium</i>	EVERGREEN CURRANT	1 GAL.	8' O.C.	291 S.F.	4/L2.1
	<i>Rosa</i> (groundcover)	CARPET ROSE (RED)	1 GAL.	4' O.C.	274 S.F.	4/L2.1
		Existing plant material to remain.				
		GRAVEL, PER DETAIL 1/L2.1			235 S.F.	1/L2.1

PLANTING NOTES

- THE PLANTING IS DIAGRAMMATIC. ALL PLANT LOCATIONS ARE APPROXIMATE. CONTRACTOR SHALL PLANT IN A LOCATION THAT AVOIDS CONFLICT WITH UTILITIES. PLANT SYMBOLS TAKE PRECEDENCE OVER PLANT QUANTITIES SPECIFIED.
- LANDSCAPE CONTRACTOR SHALL APPLY A CONTACT HERBICIDE, PER SPECIFICATIONS.
- A. STAKE OR GUY ALL TREES. SEE DETAIL REFERENCE IN LEGEND.
B. REMOVE NURSERY STAKES AND TIES FROM ALL CONTAINER STOCK.
- PLANTS SHALL NOT BE PLACED WITHIN TWELVE (12") INCHES OF SPRINKLER HEADS.
- A. INSTALL MULCH PER SPECIFICATIONS AROUND WATERING BASINS AND THROUGHOUT ALL PLANTING AREAS.
- QUANTITIES OF FERTILIZERS AND SOIL CONDITIONERS SHALL BE AS PER THE AGRONOMY REPORT WHICH SHALL BE PROVIDED AS PART OF THE CONTRACT BY A LICENSED SOIL LABORATORY. SEE SPECIFICATIONS FOR REPORT REQUIREMENTS. REPORTS SHALL BE SUBMITTED TO THE LANDSCAPE ARCHITECT PRIOR TO PLANTING.
- CONTRACTOR SHALL INSTALL PLANT MATERIAL TO SCREEN ALL ABOVE GROUND UTILITIES AND MAINTAIN CLEARANCES FOR BOTH ABOVE GROUND AND BURIED UTILITIES PER THE STANDARDS OF THE APPROPRIATE GOVERNING AGENCY.
- LANDSCAPE DESIGN PROVIDES SUFFICIENT QUANTITY AND SIZING OF PLANT MATERIAL TO ACHIEVE 100% COVERAGE WITHIN 3 YEARS OF INSTALLATION (TURF AREA WITHIN 30-60 DAYS). SEE SPECIFICATIONS FOR REQUIRED WARRANTY.
- PROTECT EXISTING TREES AS NOTED. SEE SPECIFICATIONS FOR TREE PROTECTION.



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WINE STORAGE BUILDING

2277 NAPA-VALLEJO HWY. NAPA, CA 94558

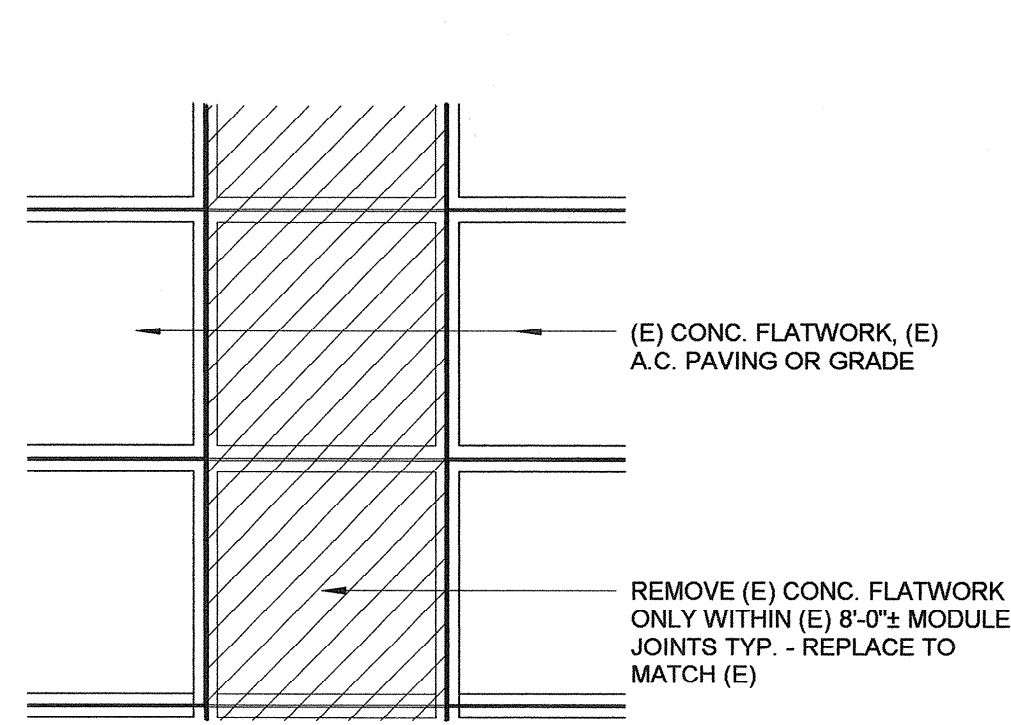
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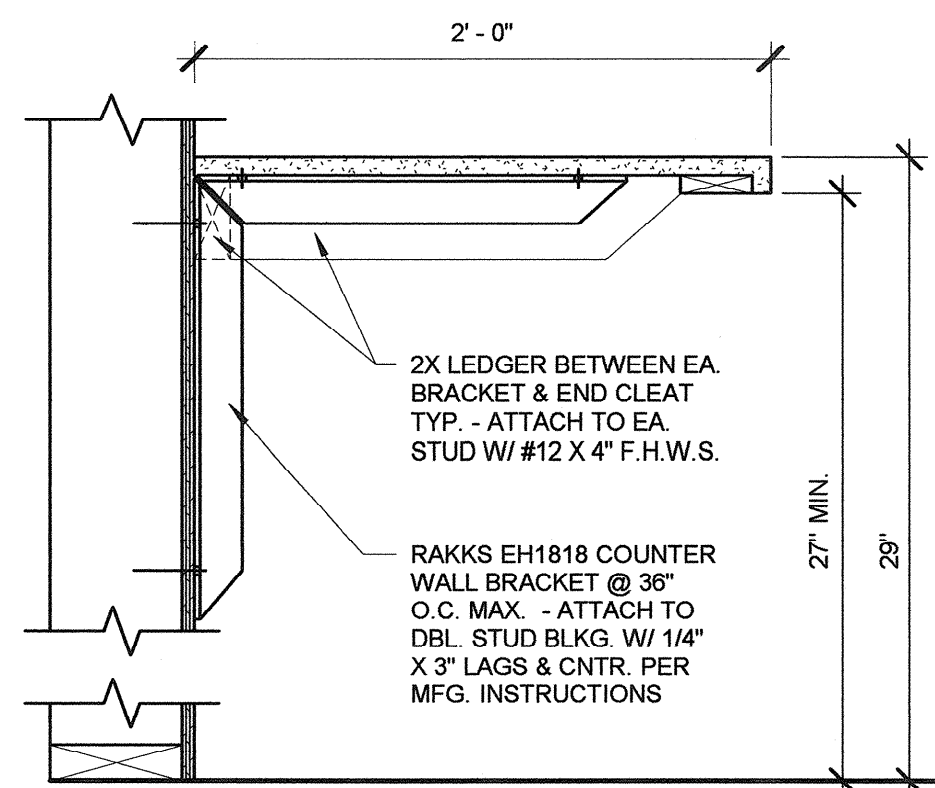
LANDSCAPE PLANTING PLAN AND DETAILS

L2.1

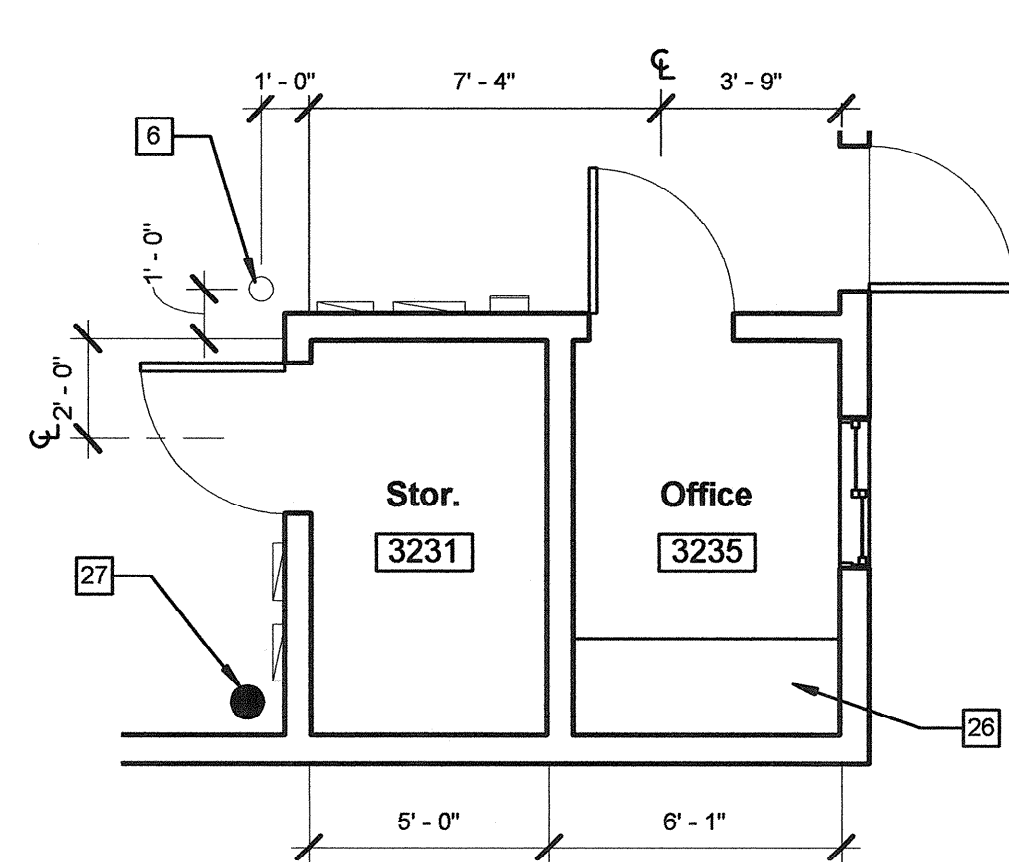
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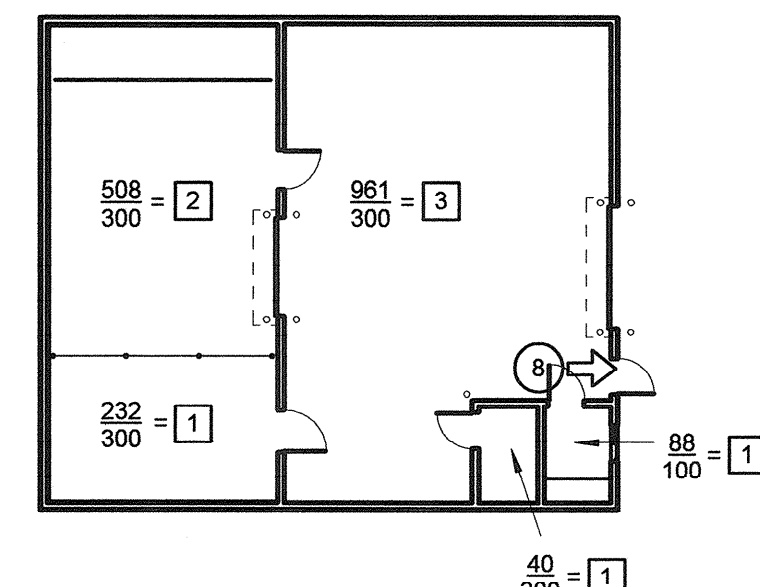
1 CONC. DEMOLITION DETAIL PLAN
1/4" = 1'-0"



4 DETAIL @ COUNTER
1 1/2" = 1'-0"



3 ENLARGED PLAN @ OFFICES
1/4" = 1'-0"



2 CODE ANALYSIS PLAN
1/16" = 1'-0"

CODE ANALYSIS LEGEND

- 1000 / 100 = 10 ROOM AREA (SF)
- 1000 / 100 = 10 OCCUPANT LOAD
- OCCUPANT LOAD FACTOR
- 4 SUM OF OCCUPANTS AT THIS LOCATION ALONG EXIT WAY

CODE ANALYSIS

Building	WINE STORAGE
Major Occupancy (CBC Table 3-A)	S2
Minor Occupancies (CBC Sec. 302 & Table 3-A)	None; Office is 88 S.F. < 428 S.F. (25% of 1,712 S.F. of floor area of Major Occupancy) per Sec. 302.1, Exception 2.2
Type of Building Construction (CBC Table 5-A)	TYPE V - N
Fire Resistive Requirements (CBC Table 6-A)	
Bearing Walls: Exterior	N
Bearing Walls: Interior	N
Non-Bearing Walls: Exterior	N
Structural Frame	N
Partitions - Permanent	N
Shaft Enclosures	NA
Floors and Floor-Ceilings	N
Roofs and Roof-Ceilings	N
Exterior Doors and Windows	Sec. 606.3
Stairway Construction	NA
Automatic Fire Sprinklers	YES
Location on Property (Ft.)	
North Sideyard	UNLIMITED
East Sideyard	UNLIMITED
South Sideyard	5'-0"
West Sideyard	UNLIMITED
Minimum Width of Sideyard for Area Increase (Ft.)	60'
Fire Resistance of Exterior Walls and Wall Openings (CBC Table 5-A)	
Exterior Walls: Bearing	1 HR. N/C < 5 FT.; NR/NC ELSEWHERE
Exterior Walls: Non-bearing	1 HR. N/C < 5 FT.; NR/NC ELSEWHERE
Openings	1 HR. < 10"; NP < 5'
Basic Allowable Area (Sq. Ft./Floor) (CBC Table 5-B) (S2 Occupancy)	12,000 S.F.
Allowable Area Increases (Sq. Ft./Floor) (CBC Sec. 505)	
Separation 2 Sides (x 0.0125; 50% max.)	Unlimited East & South sides; Use 50% max increase: 12,000 x 0.50 = 6,000 S.F.
Separation 3 Sides (x 0.025; 100% max.)	NA
Separation All Sides (x 0.050; 100% max.)	NA
Unlimited Area (CBC Sec. 505.2)	NA
Subtotal (Sq. Ft./Floor)	18,000 S.F.
Automatic Sprinkler System (CBC Sec. 505.3)	
1 Story (3 x Sq. Ft./Floor)	54,000
2 or More Stories (2 x Sq. Ft./Floor)	NA
Maximum Allowable Area (Sq. Ft./Floor)	54,000 S.F.
Actual Floor Area (Sq. Ft./Floor)	
1st Floor	1,712 S.F.
Mixed Occupancy Area Ratio (CBC Sec. 504.3)	NA
Basic Allowable Height (Stories / Feet) (CBC Table 5-B)	2 STORIES / 40'
Allowable Height Increases (CBC Sec. 506)	
Automatic Sprinklers (+ 1 Story)	NA
Maximum Allowable Height (Stories / Feet)	2 STORIES / 40'
Actual Bldg. Height (Stories / Feet)	1 STORY / 21'
Occupancy Separations (CBC Table 3-B)	NO REQUIREMENT
Detached Pedestrian Walkways	NA
Required Fire Flow (CFC Appendix III-A; TableA-III-AA-1)	1,500 GPM

DRAWING NOTES

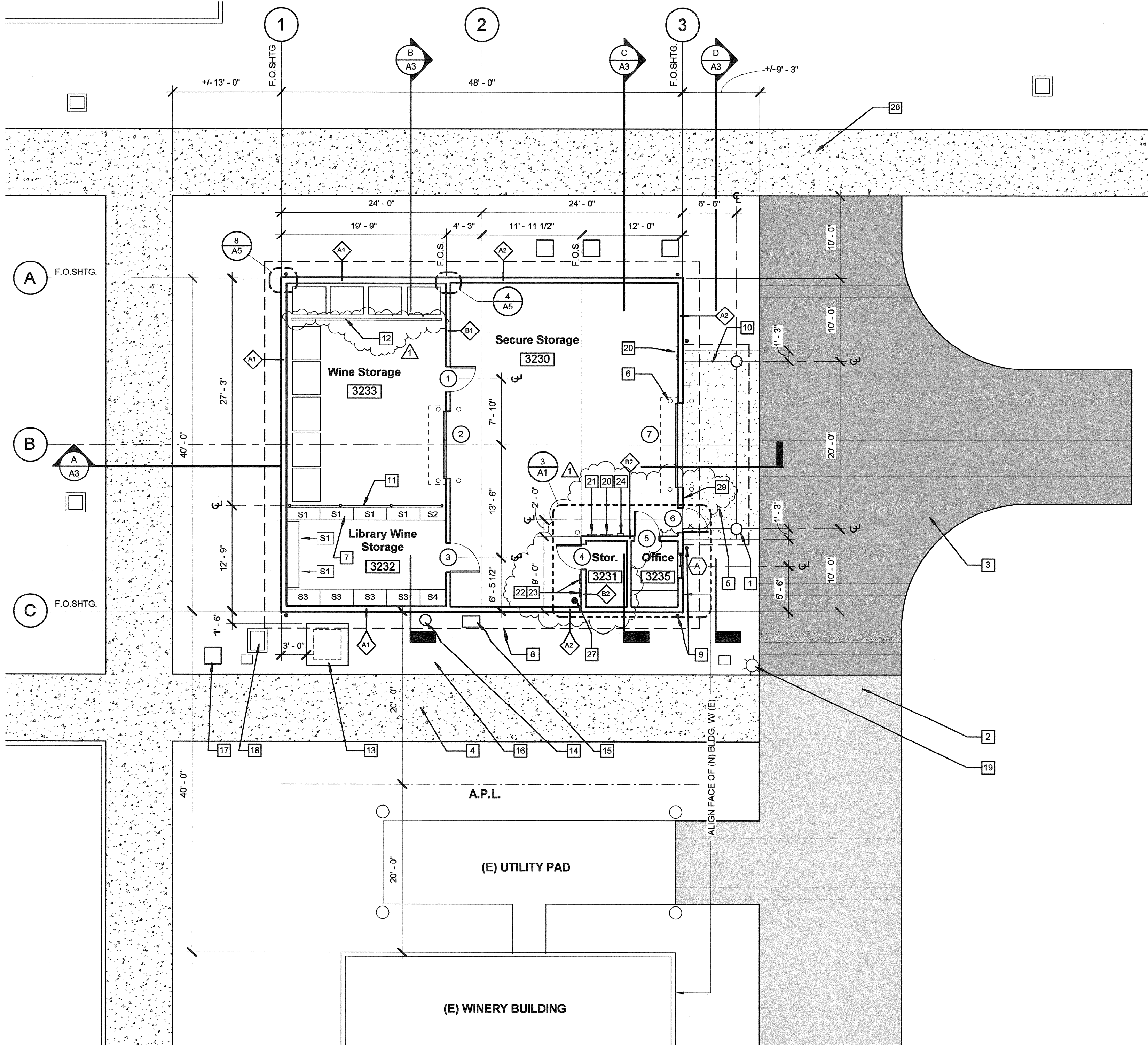
- 1 CONC. COLUMN - S.S.D.
- 2 (E) A.C. PAVING
- 3 (N) A.C. PAVING OVERLAY OVER (E) - S.C.D.
- 4 (E) CONC. WALKS, TYP.
- 5 (N) CONC. APRON PAD - S.S.D.
- 6 STEEL BOLLARDS - TYP. OF 9' - SEE 13 A5
- 7 METAL STORAGE SHELVING
- 8 LINE @ ROOF & CANOPY OVERHANG TYP.
- 9 D.S. - CONNECT TO S.D. SYSTEM - S.C.D.
- 10 C.J. - TYP.
- 11 CHAIN LINK PARTITION - SEE 17 A5
- 12 PAINT 3" WIDE STRIPE AS INDICATED
- 13 CONC. MECH. PAD - S.M.D.
- 14 DRY SUMP - S.P.D.
- 15 GAS METER - S.M.D.
- 16 (E) ELECT. PULLBOX TYP. - S.C.D., S.E.D.
- 17 ELECT. PULLBOX TYP. - S.E.D.
- 18 (E) D.I. - S.C.D.
- 19 (E) LIGHT STANDARD
- 20 ELEC. PANEL - S.E.D.
- 21 F.A. PANEL - S.E.D.
- 22 EMS PANEL - S.E.D.
- 23 TEL/DATA PANEL - S.E.D.
- 24 F.E.
- 25 H.B. - S.P.D.
- 26 P.L.M. COUNTER TOP - SEE 4 A1
- 27 STANDPIPE - S.P.D.
- 28 WHERE DEMOLITION OF (E) CONC. WALK REQ'D - SEE 5 A1
- 29 KNOX BOX - SEE FIRE DEPARTMENT REQUIREMENTS

INTERIOR FINISH NOTES

- 1 FLOOR: SEALED CONCRETE
- 2 BASE: NONE
- 3 WALLS: SEALED PLYWD. SHGT.
- 4 CEILING: EXPOSED FRAMING, NO FINISH
- 5 COUNTER TOPS: PLASTIC LAMINATE

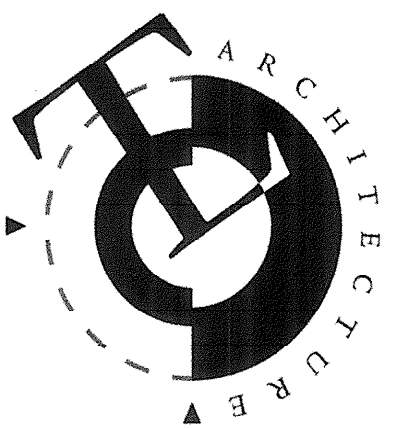
WALL SCHEDULE

- A1 EXTERIOR WALL TYPE 1 (2x6 @ 16" O.C.; INSULATED) 1 A5
- A2 EXTERIOR WALL TYPE 2 (2x6 @ 16" O.C.; INSULATED) 2 A5
- B1 INTERIOR WALL TYPE 1 (FULL HGT. - 2x6 @ 16" O.C.; INSULATED) 3 A5
- B2 INTERIOR WALL TYPE 2 (PARTIAL HGT. - 2x6 @ 16" O.C.; NOT INSULATED) 3 A5



1 SITE / FLOOR PLAN
1/8" = 1'-0"

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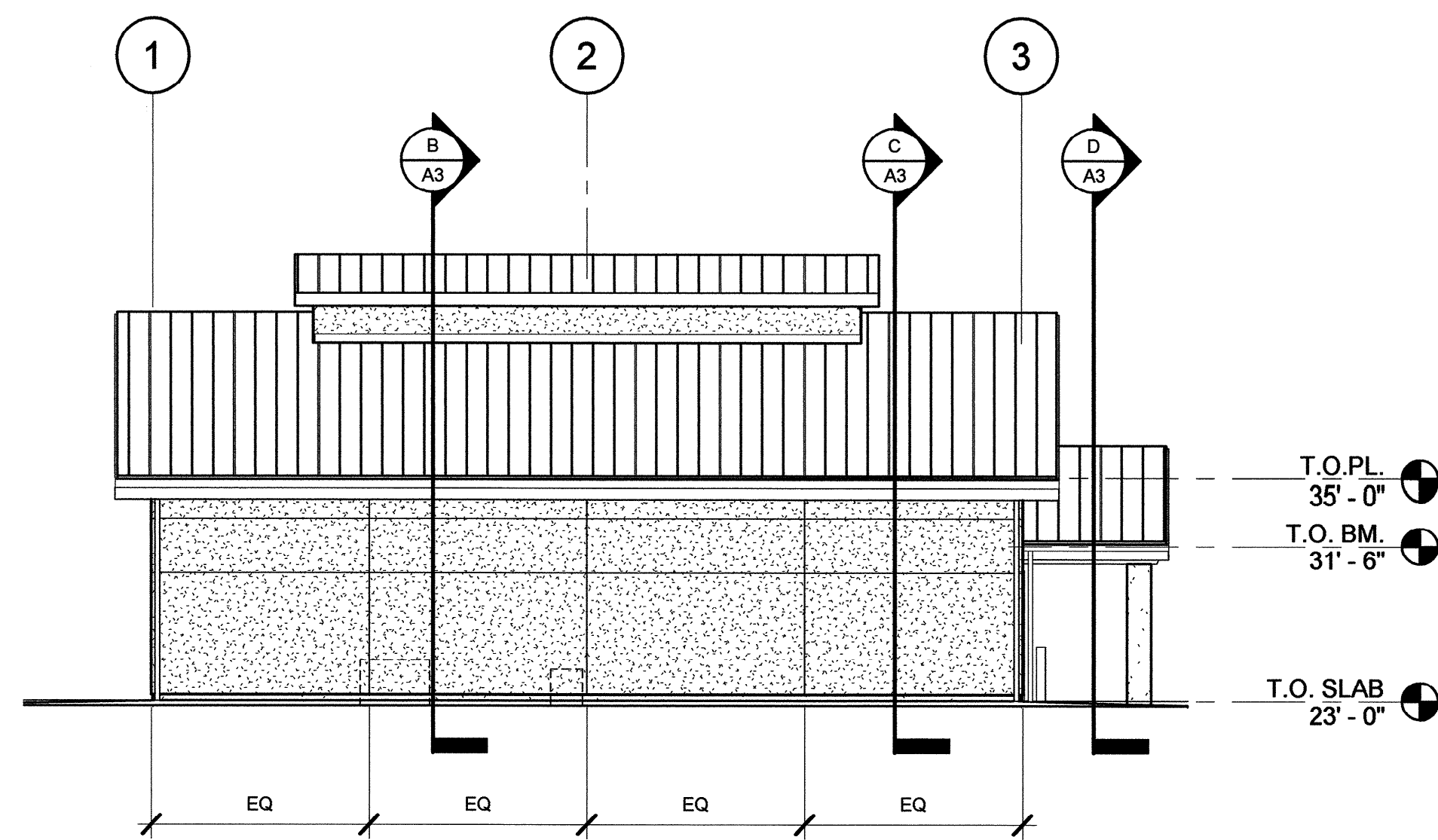
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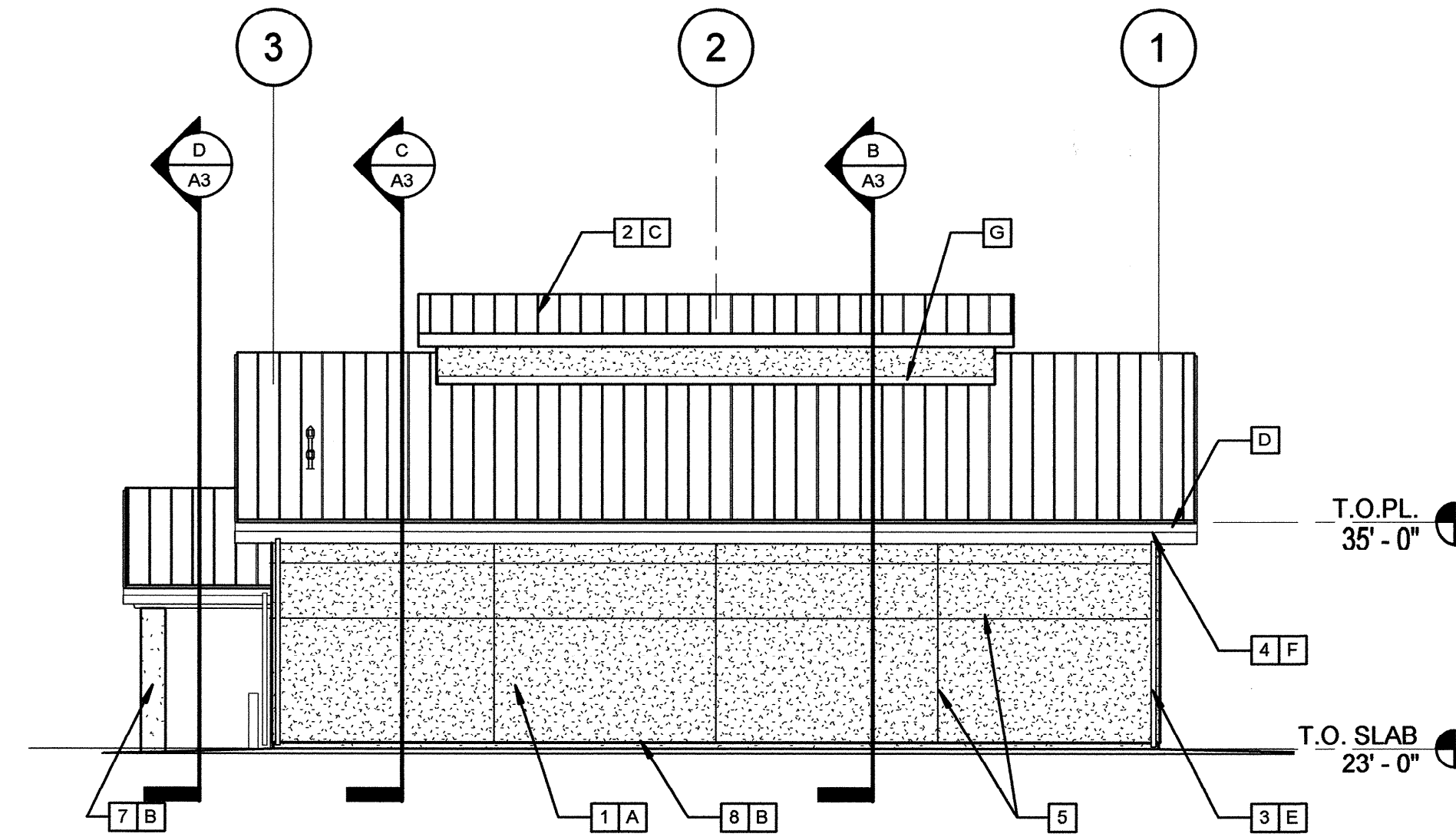
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SITE / FLOOR PLAN - CODE ANALYSIS

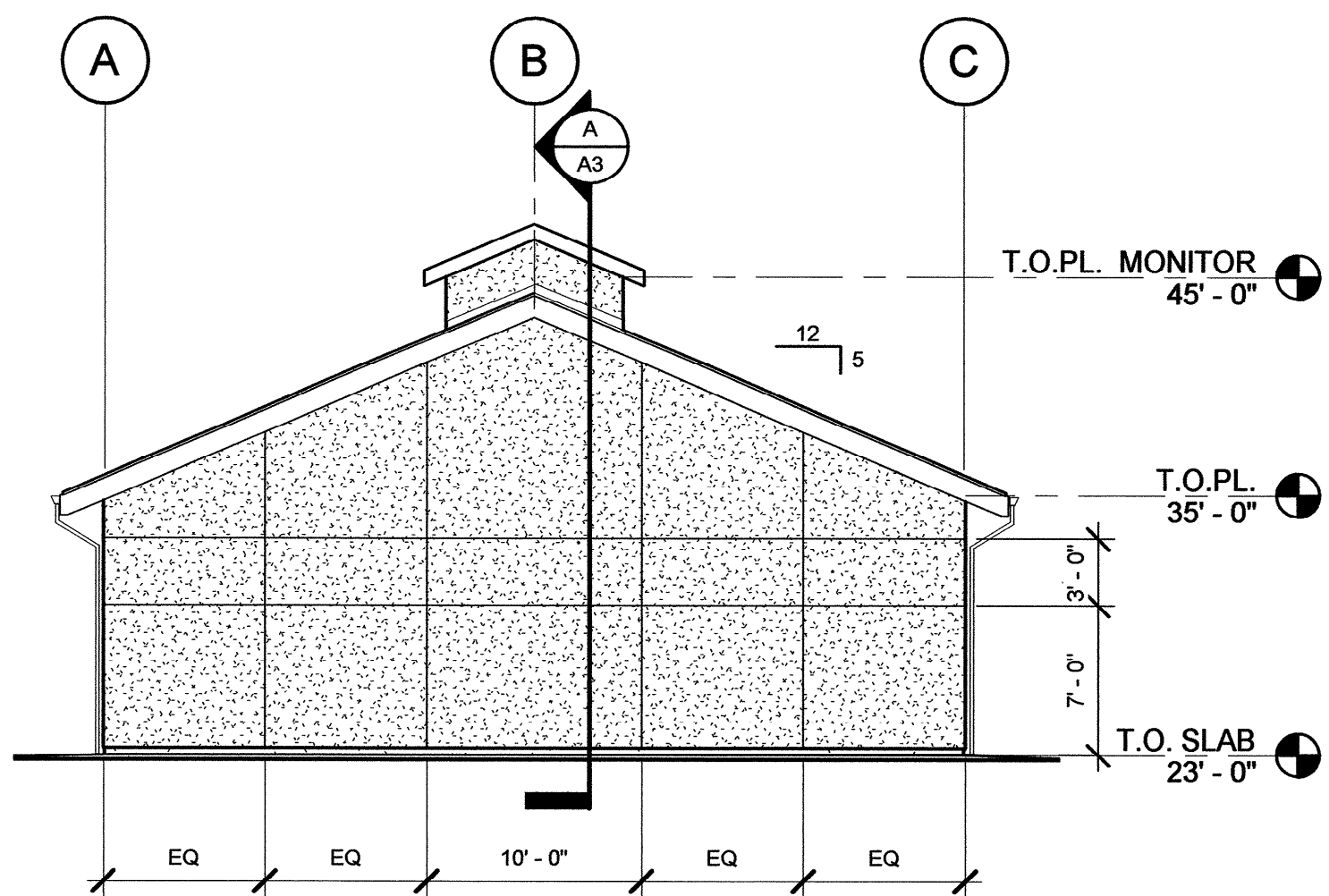
A1



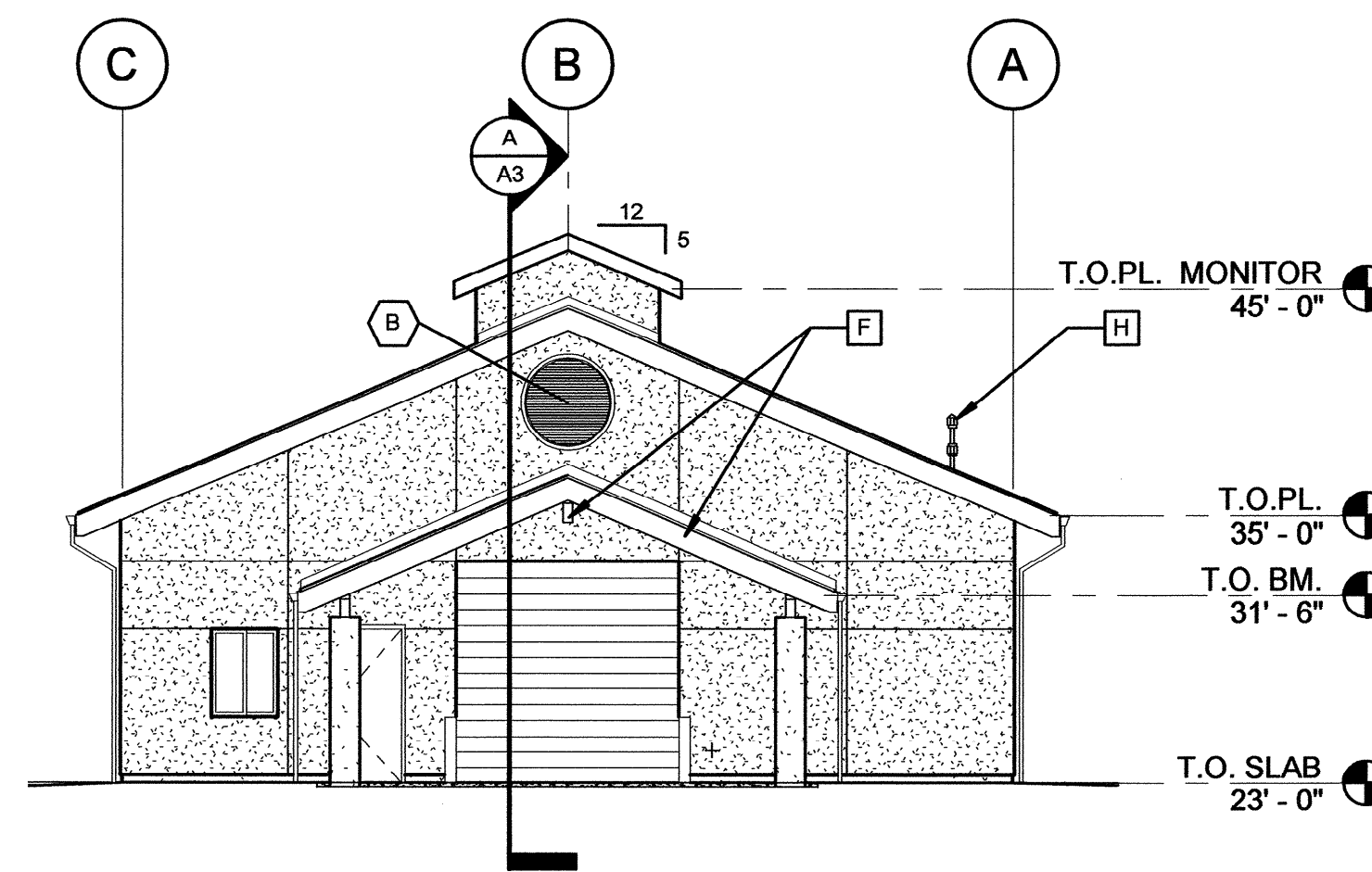
3 South
1/8" = 1'-0"



1 North
1/8" = 1'-0"



4 West
1/8" = 1'-0"



2 East
1/8" = 1'-0"

DRAWING NOTES

- 1 EXT. PORTLAND CEM. PLAS. SYSTEM
- 2 MET. ROOFING PANEL SYSTEM
- 3 STL. PIPE DOWNSPOUT - CONNECT TO S.D. SYSTEM
- 4 WD. TRIM
- 5 CONTROL JOINT DETAIL PER DETAIL 12/A5
- 6 LOUVER - SET HEAD 3'-0" BELOW T.O. MONITOR
- 7 CONC. COL. - S.S.D.
- 8 CONC. FDN. - S.S.D.

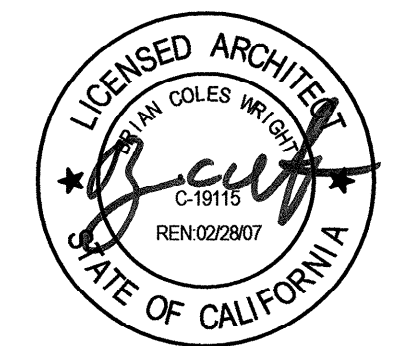
EXTERIOR FINISH NOTES

- A CEMENT PLASTER: PAINT
- B EXPOSED CONC. FOUNDATION AND COLUMNS: DRY SACK, PAINT
- C METAL ROOFING: COLOR BY MANUFACTURER
- D GUTTER: PAINT
- E DOWNSPOUTS: PAINT
- F EXPOSED WOOD AND GLULAM BEAMS: PAINT
- G METAL FLASHING AND TRIM: COLOR TO MATCH ROOFING
- H EXPOSED FLUE: PAINT TO MATCH ROOFING COLOR

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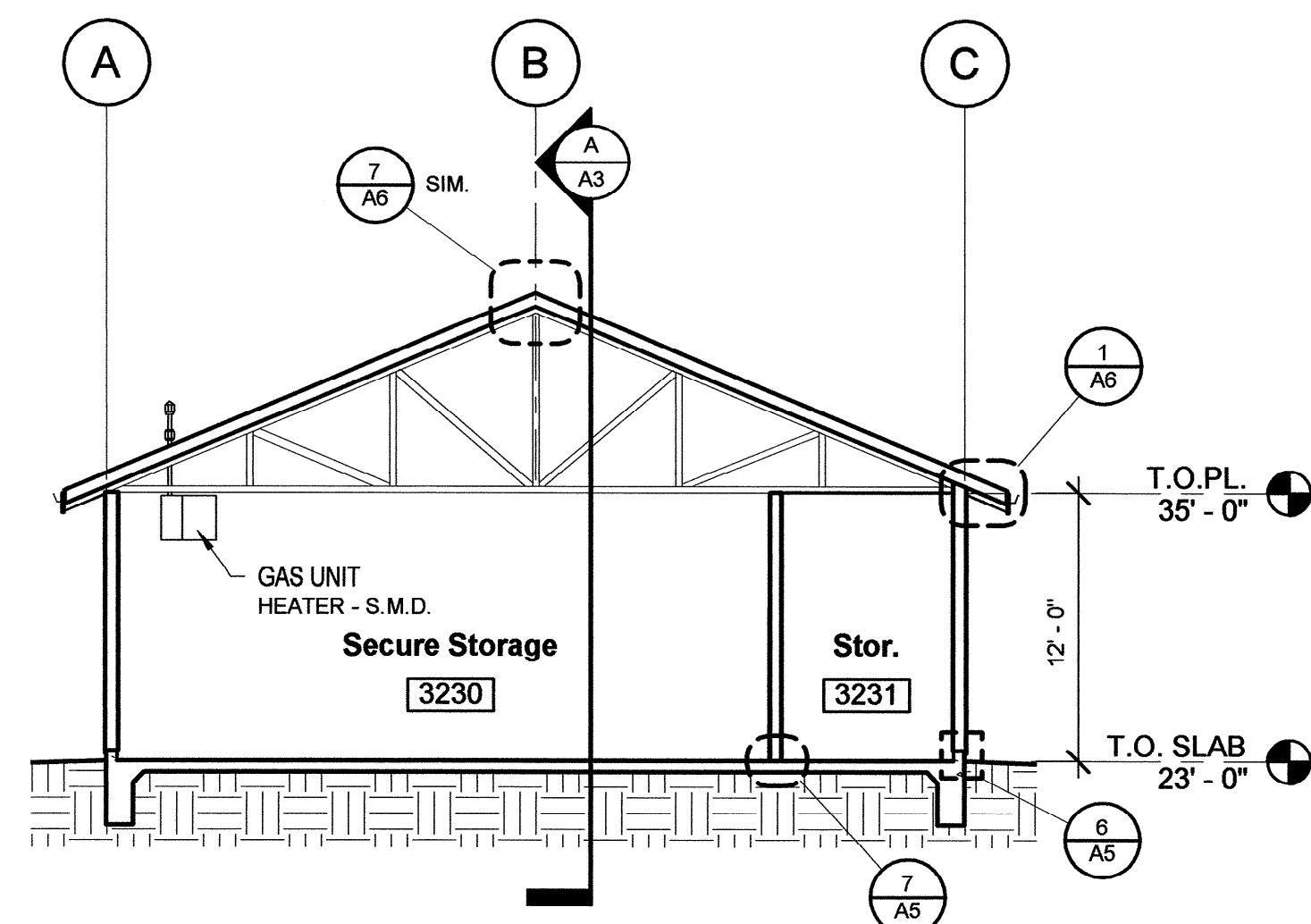
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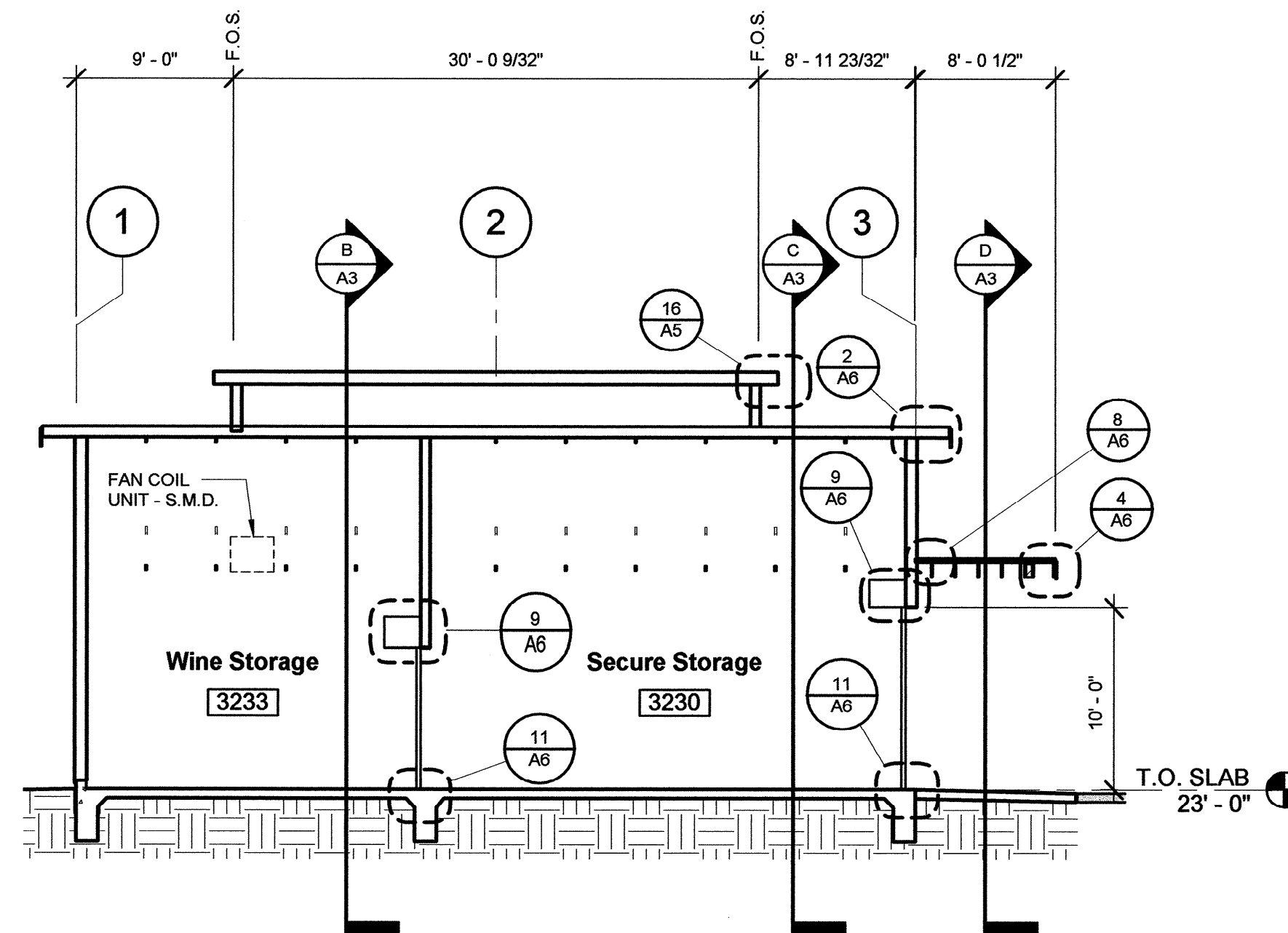
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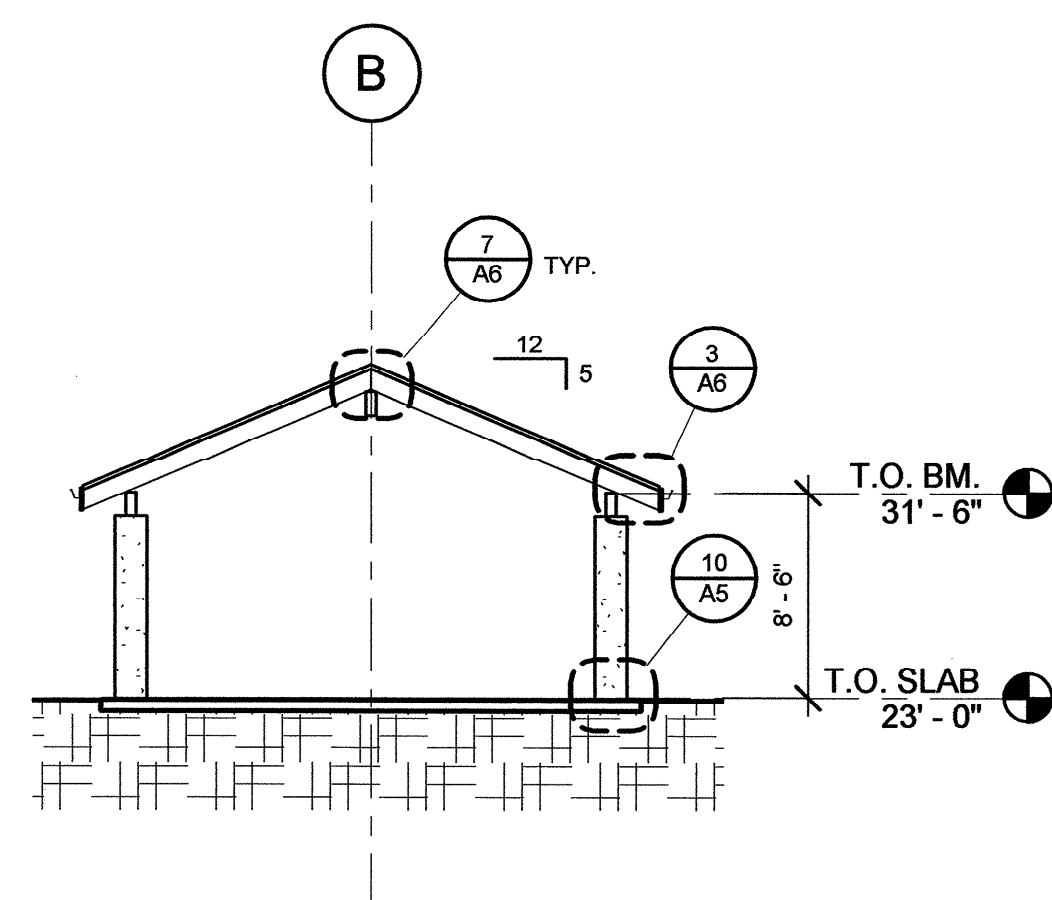
EXTERIOR ELEVATIONS
A2



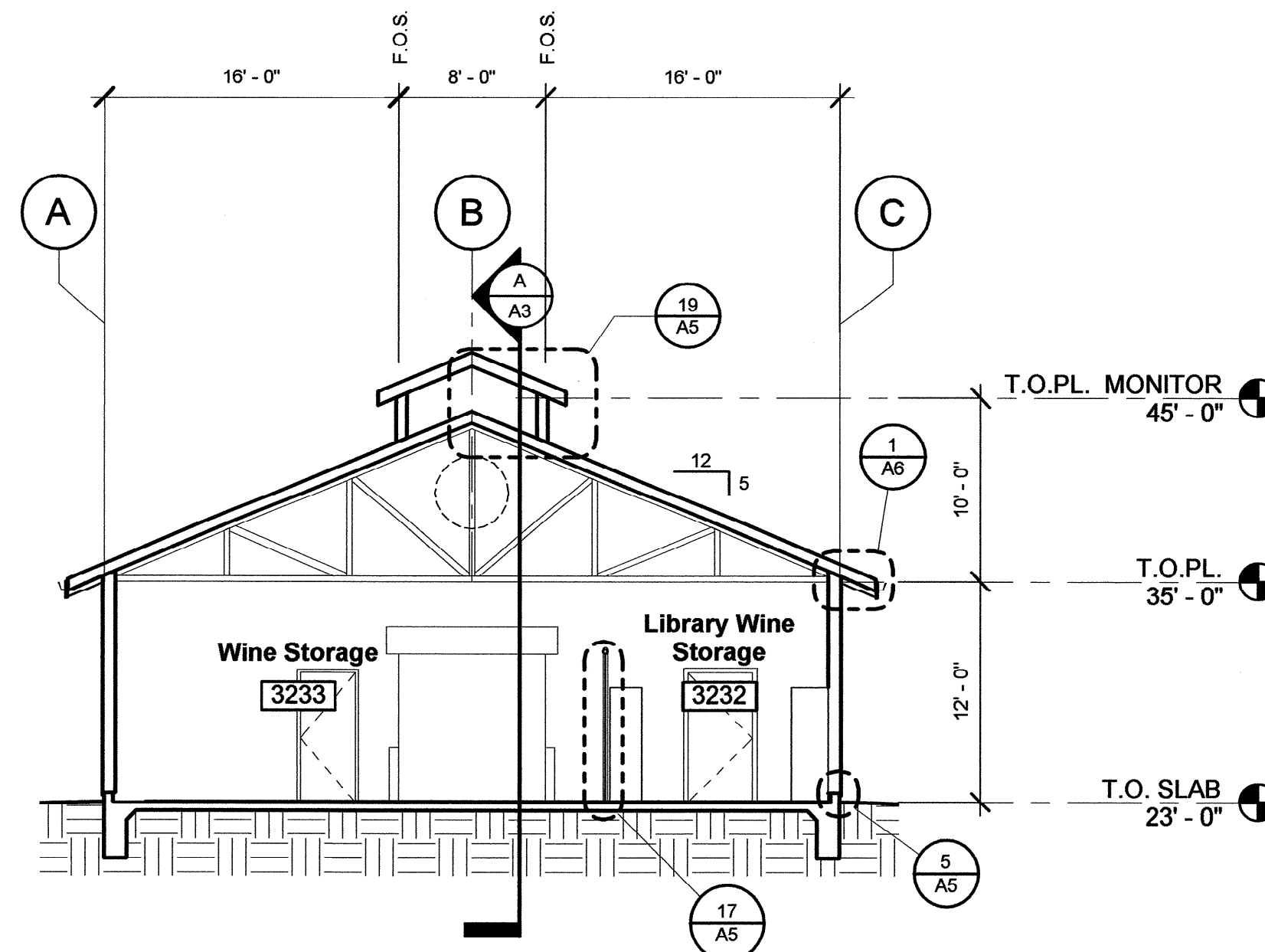
C BUILDING SECTION
1/8" = 1'-0"



A BUILDING SECTION
1/8" = 1'-0"

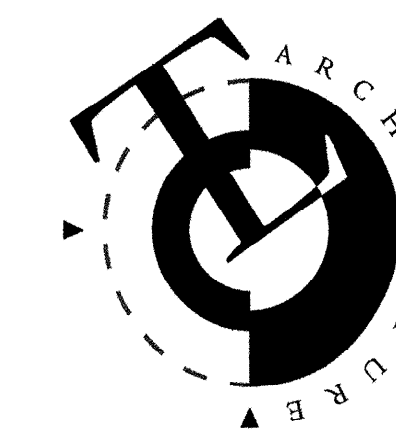


D CANOPY SECTION
1/8" = 1'-0"



B BUILDING SECTION
1/8" = 1'-0"

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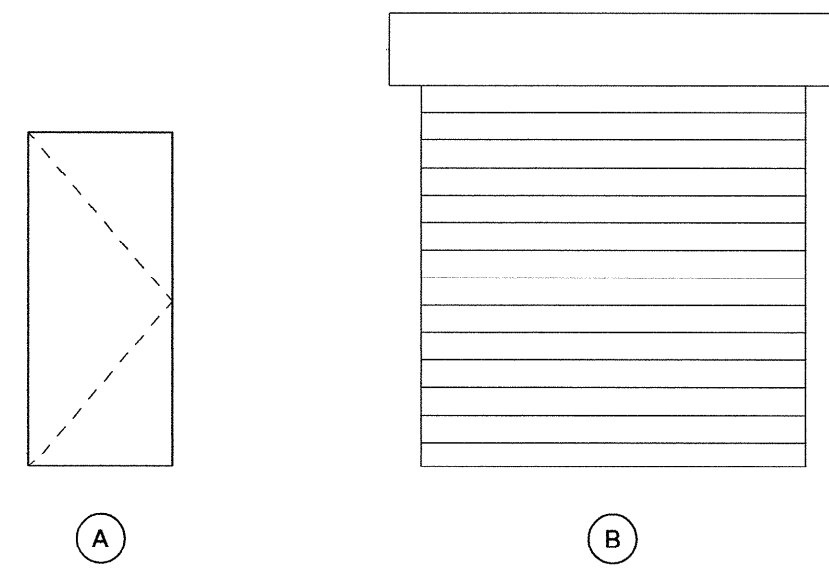
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SECTIONS

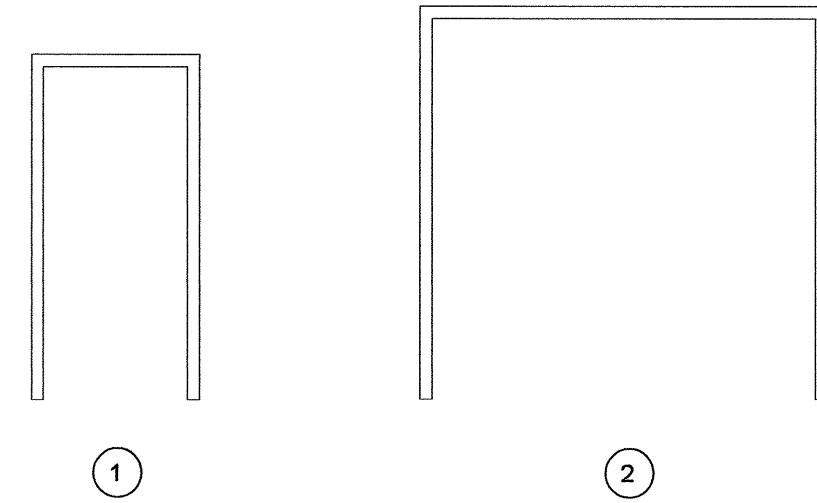
A3

DOOR SCHEDULE																	
DR. NO.	WIDTH	HEIGHT	THK.	TYPE	HDWR. GROUP	LABEL	PANIC HDWR.	CONSTR.	MAT'L	FRAME TYPE	FRAME MAT'L	FRAME LABEL	HEAD DETAILS	JAMB DETAILS	SILL DETAILS	SIGN	REMARKS
1	3'-0"	7'-0"	1 3/4"	A	4			H.M.	STL.	1	P.M.F.		15/A6	15/A6			
2	8'-0"	8'-0"	2"	B	1			STL.	STL.	2	STL.		9/A6	10/A6	11/A6		MOTOR OPERATED
3	3'-6"	7'-0"	1 3/4"	A	4			H.M.	STL.	1	P.M.F.		15/A6	15/A6			
4	3'-0"	7'-0"	1 3/4"	A	3			H.M.	STL.	1	P.M.F.		15/A6	15/A6			
5	3'-0"	7'-0"	1 3/4"	A	3			H.M.	STL.	1	P.M.F.		15/A6	15/A6			
6	3'-0"	7'-0"	1 3/4"	A	2			H.M.	STL.	1	P.M.F.		5/A6	5/A6	6/A6		
7	10'-0"	10'-0"	2"	B	1			STL.	STL.	2	STL.		9/A6	10/A6	11/A6		MANUAL PUSH UP

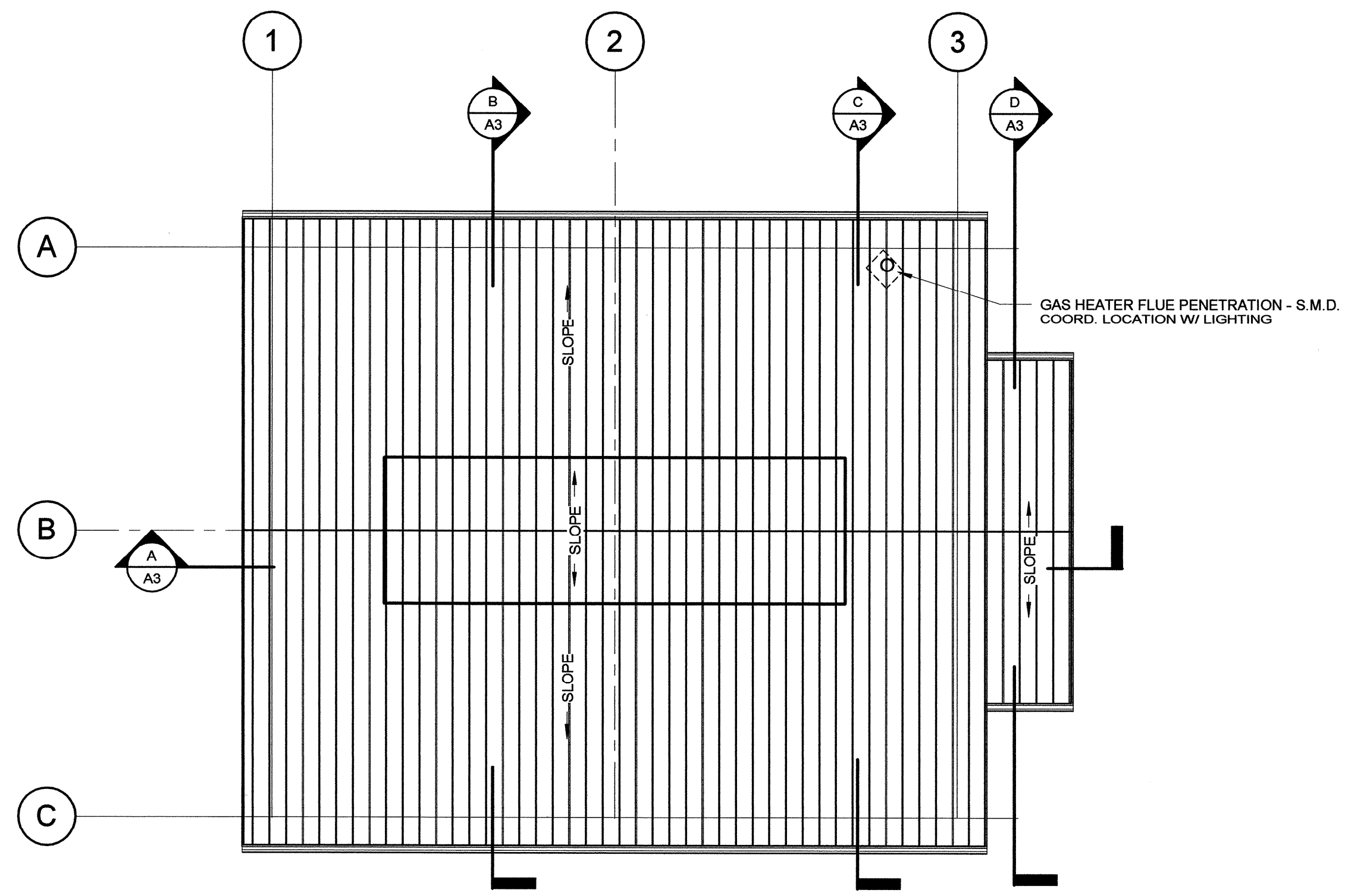
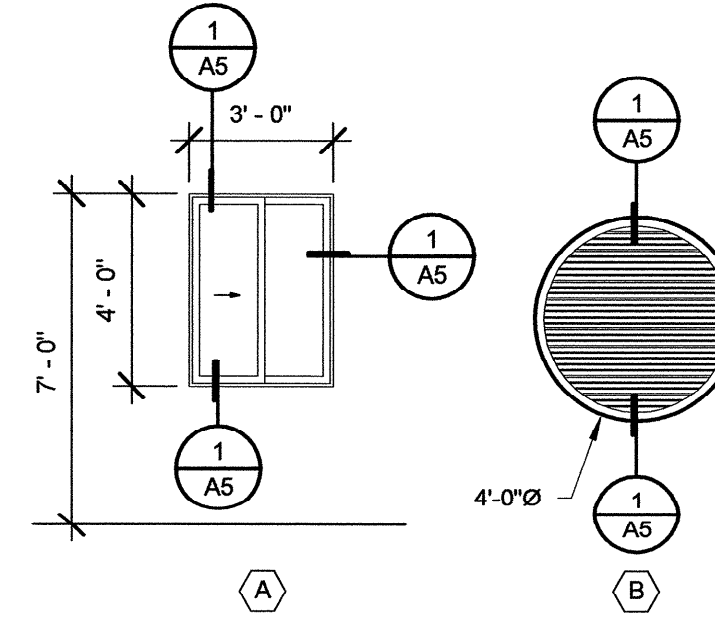
DOOR TYPES



FRAME TYPES

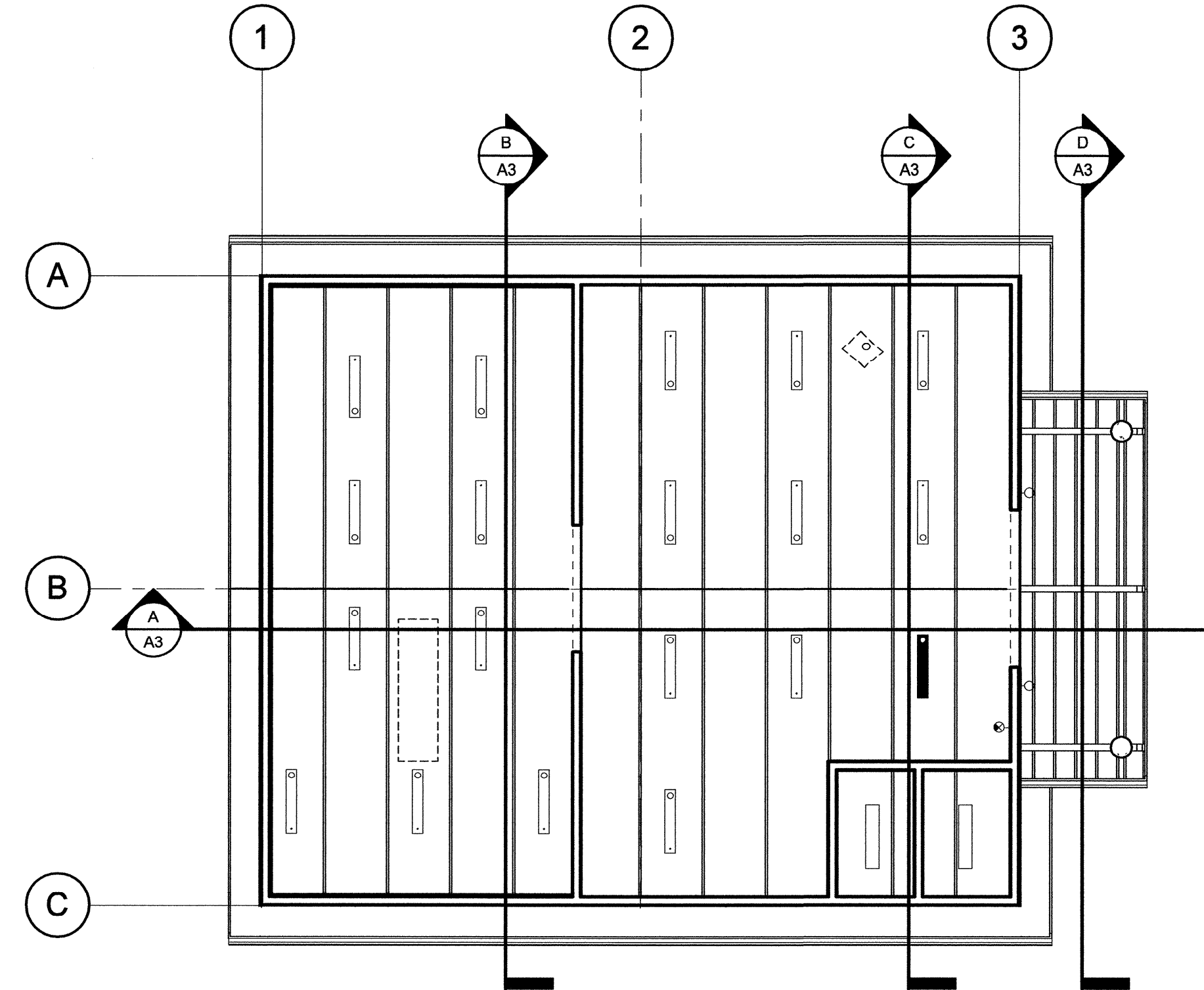


WINDOW / LOUVER TYPES



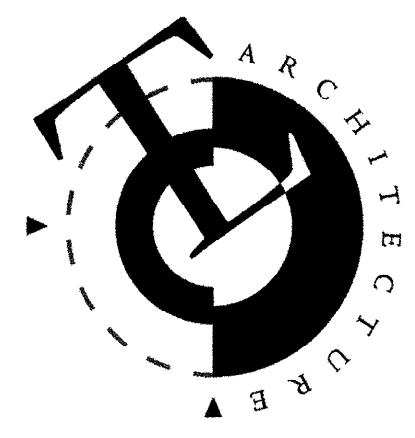
1 ROOF PLAN
1/8" = 1'-0"

ATTIC VENTING CALCULATIONS
MONITOR ATTIC AREA - 250 SF / 150 = 1.7 SF TOTAL VENTING REQ.
40 SF TOTAL VENTING PROVIDED

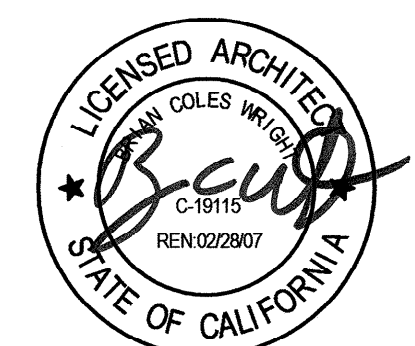


2 REFLECTED CEILING PLAN
1/8" = 1'-0"

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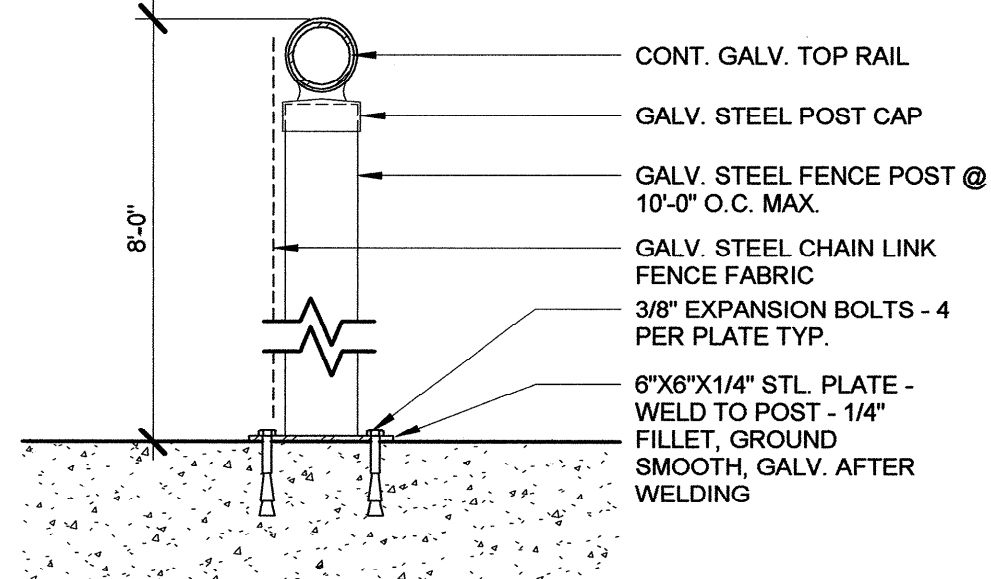
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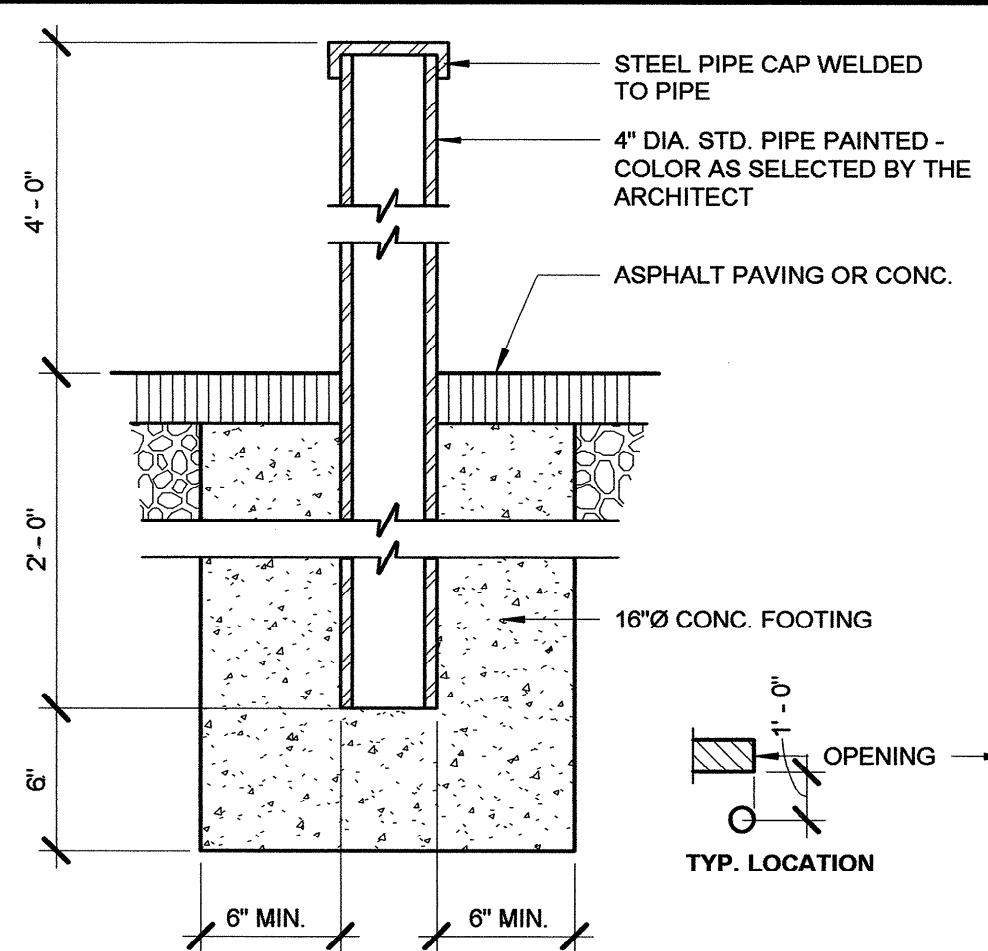
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ROOF / REFLECTED CEILING PLAN - SCHEDULES

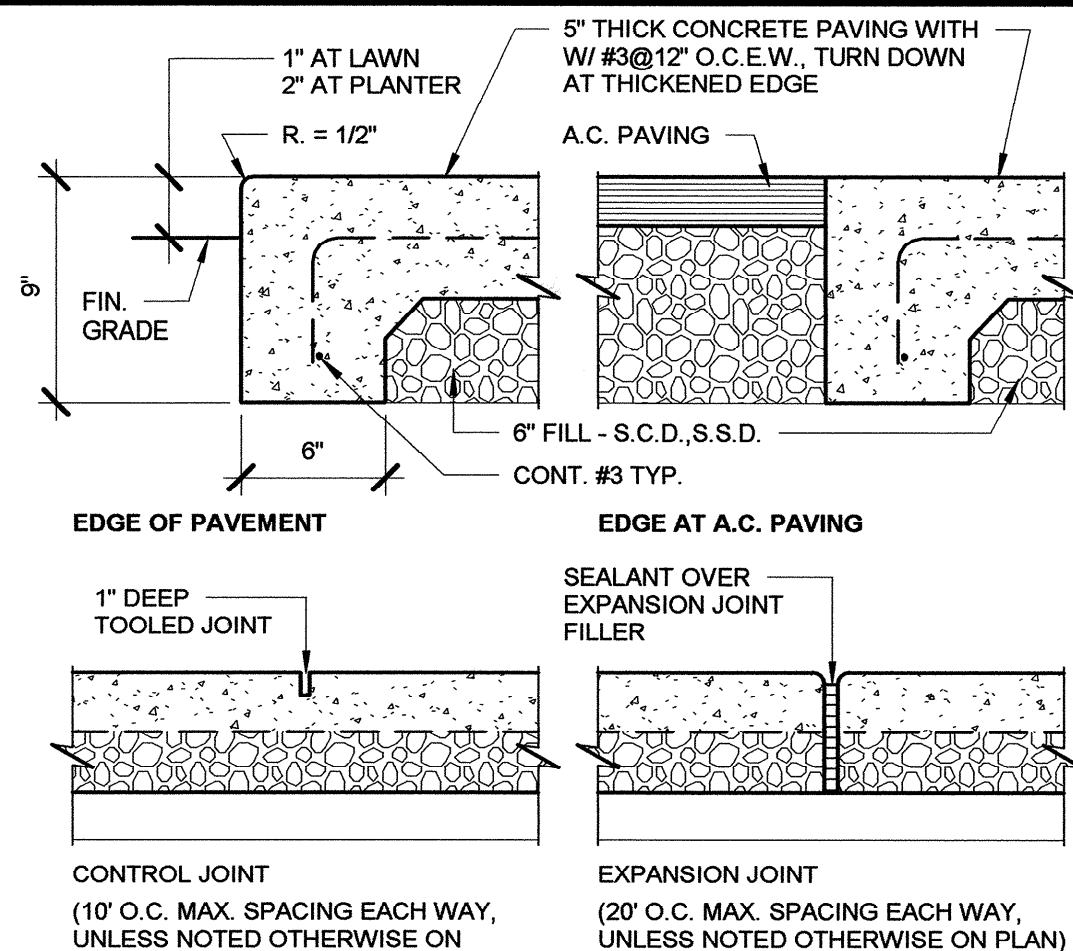
A4



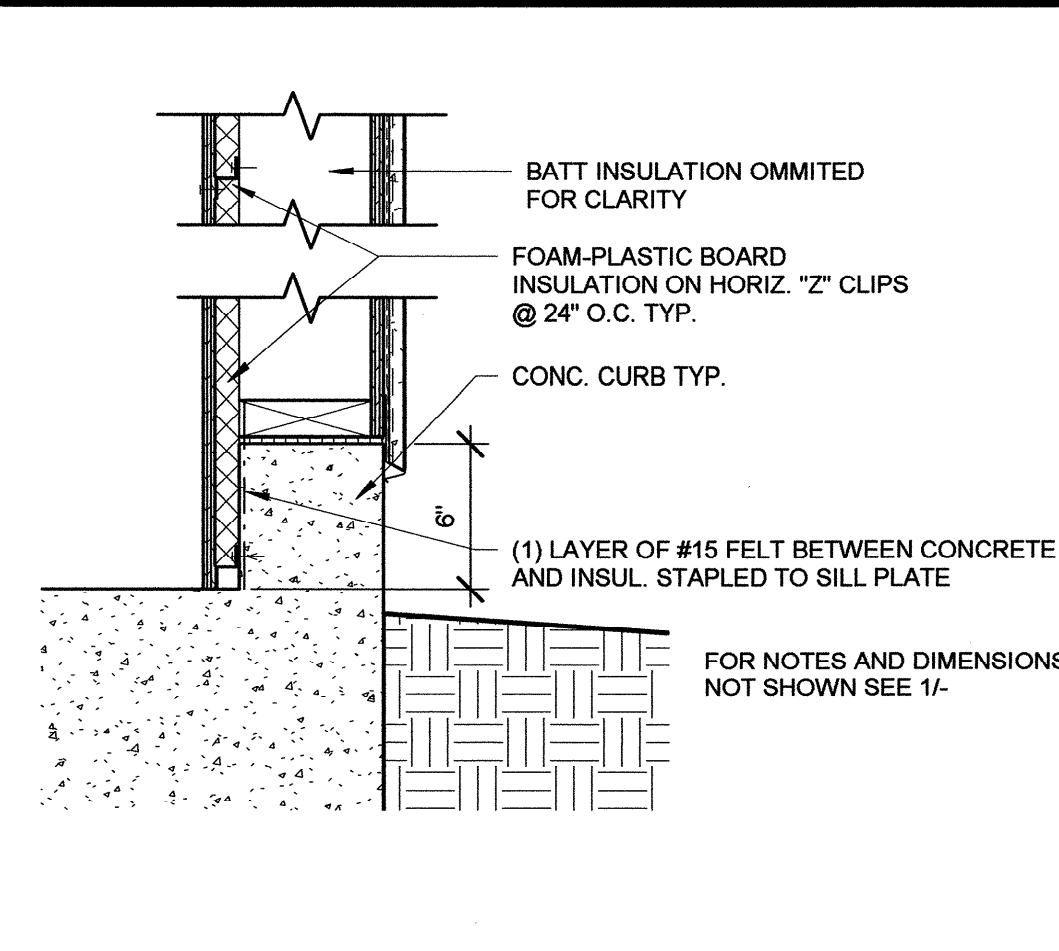
17 CHAIN LINK PARTITION
1 1/2" = 1'-0"



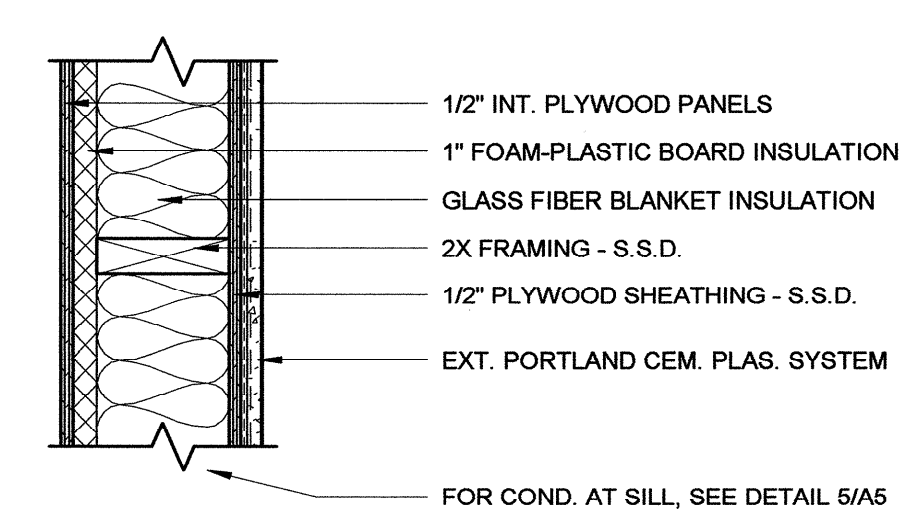
13 FIXED BOLLARD
1 1/2" = 1'-0"



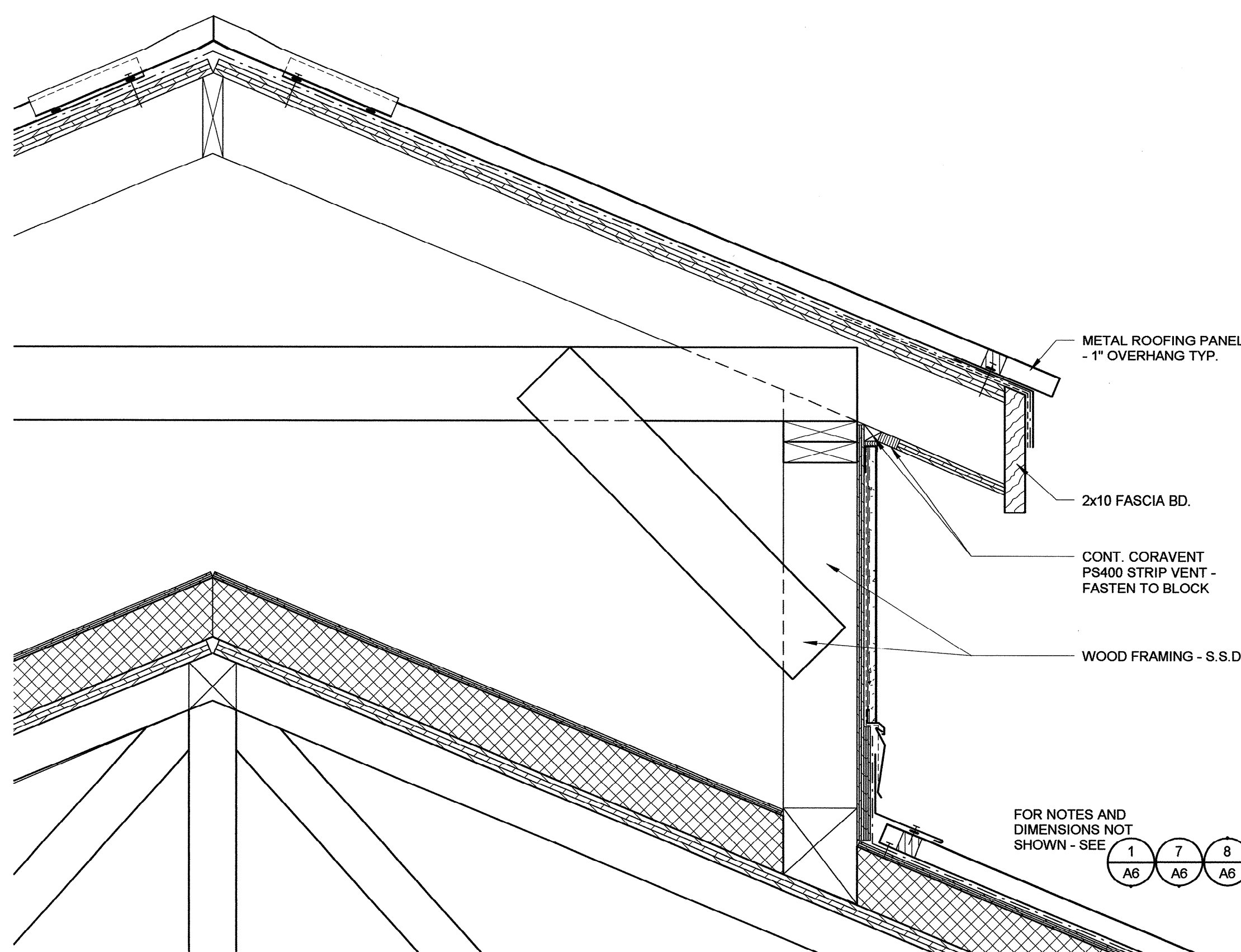
9 CONC. FLATWORK DETAILS
1 1/2" = 1'-0"



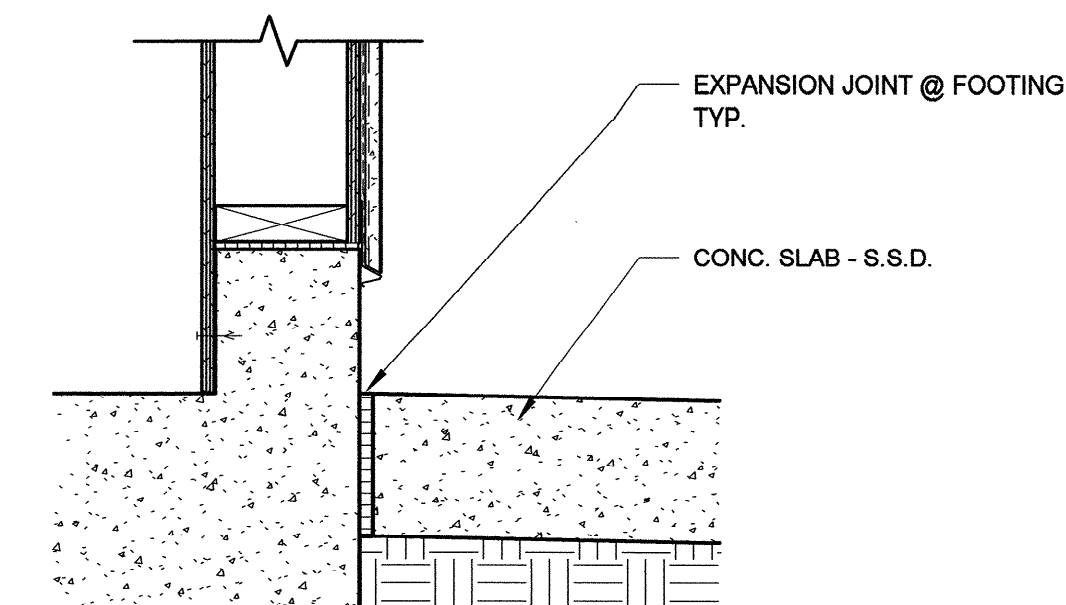
5 EXT. WALL BASE - A1
1 1/2" = 1'-0"



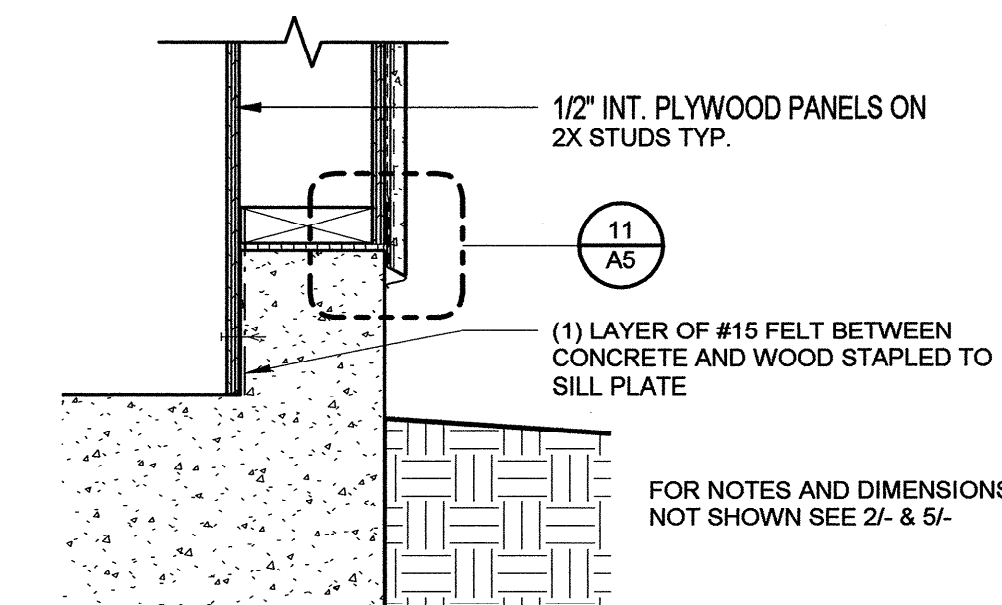
1 EXT. WALL TYPE A1
1 1/2" = 1'-0"



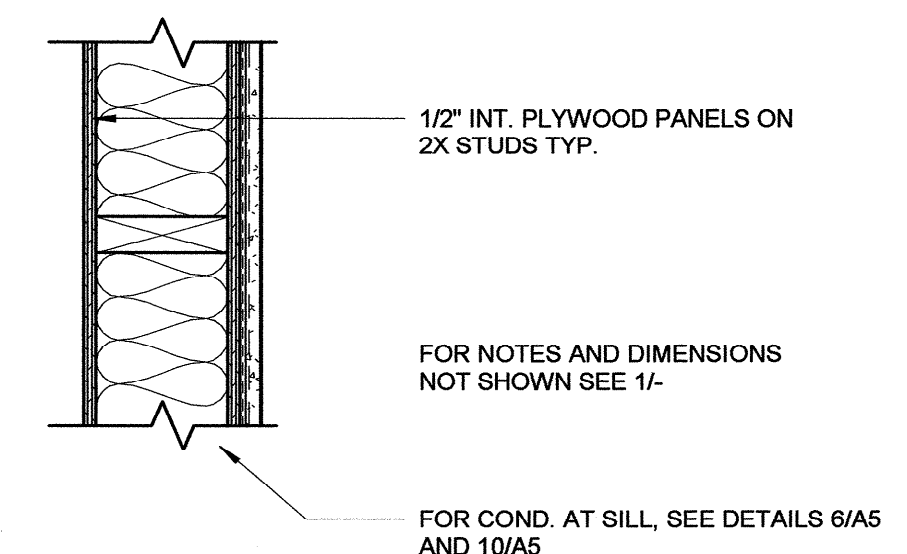
19 MONITOR EAVE / RIDGE DETAIL
1 1/2" = 1'-0"



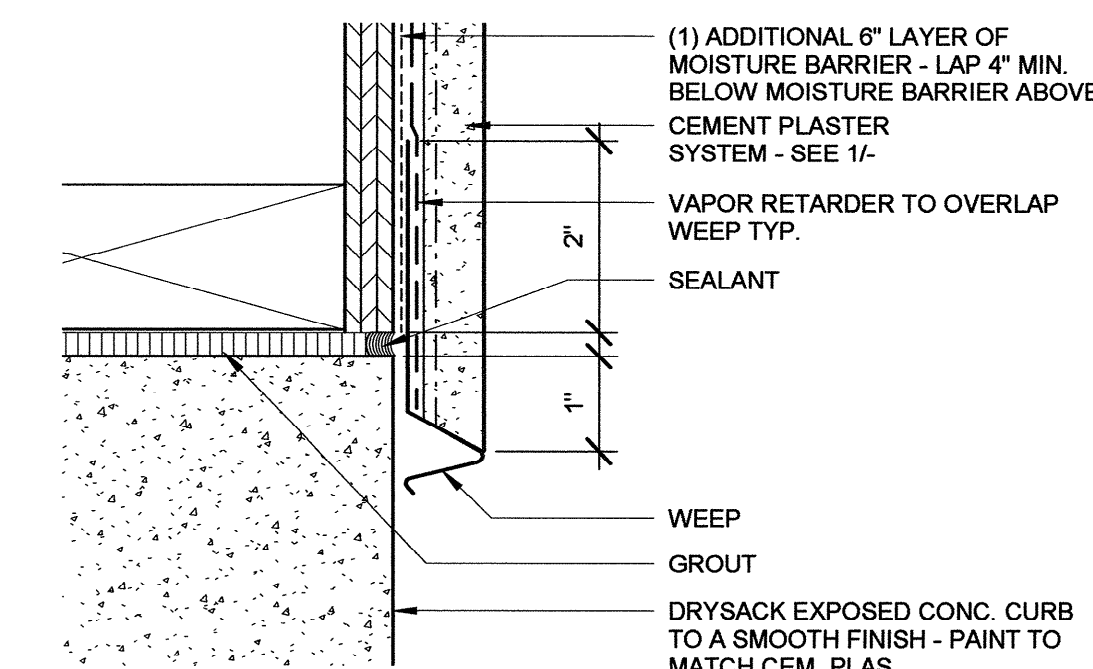
10 EXT. WALL BASE @ SLAB
1 1/2" = 1'-0"



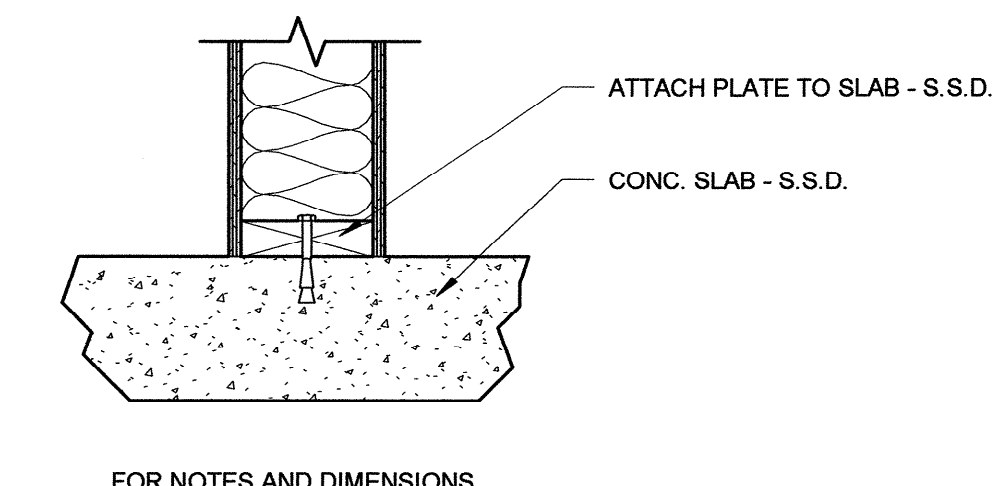
6 EXT. WALL BASE - A2
1 1/2" = 1'-0"



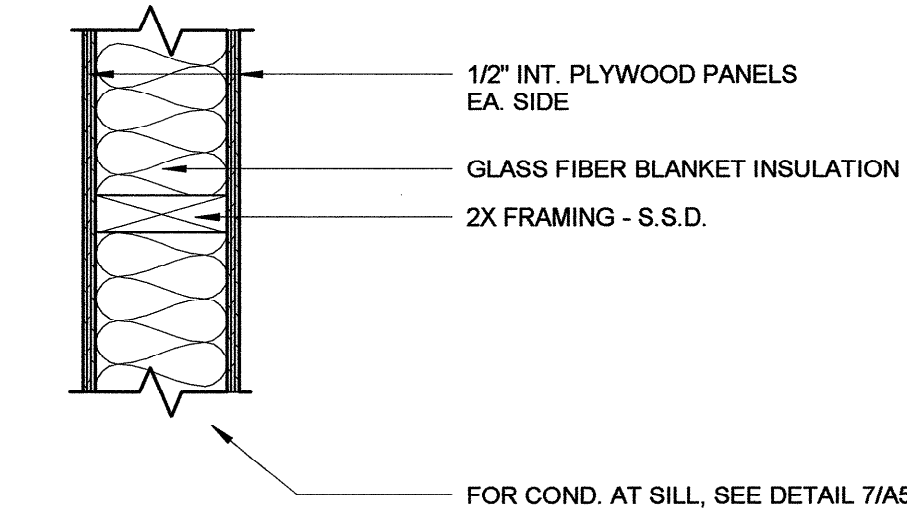
2 EXT. WALL TYPE A2
1 1/2" = 1'-0"



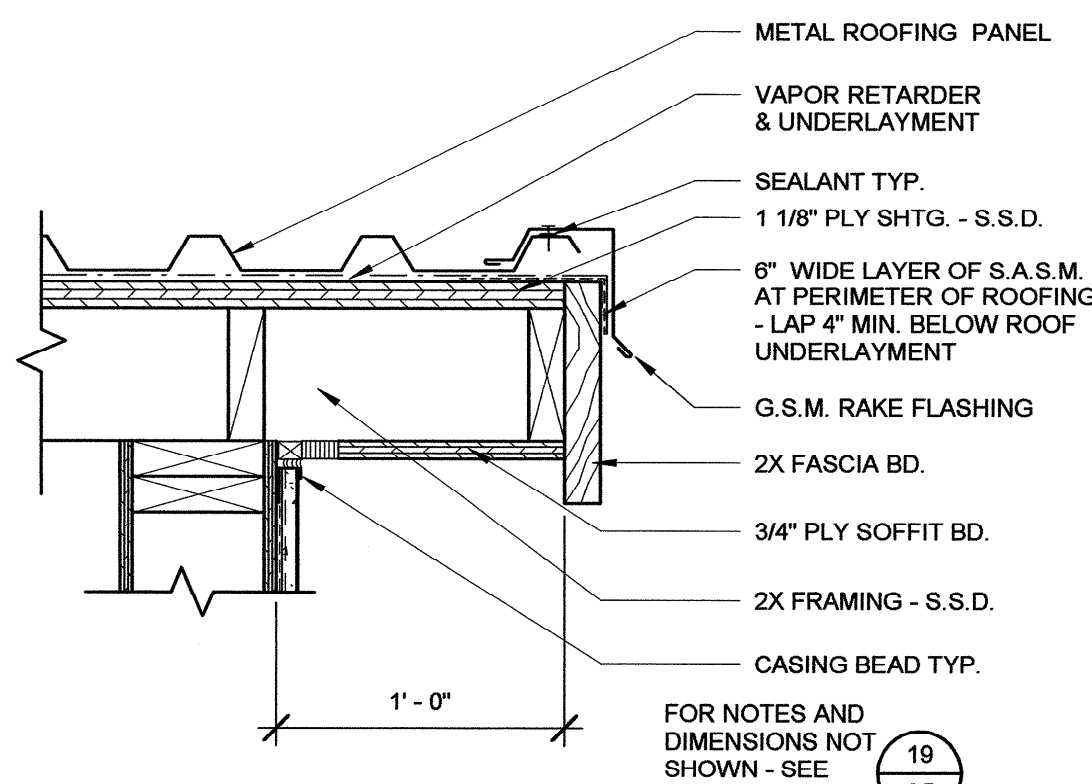
11 WEEP SCREED
6" = 1'-0"



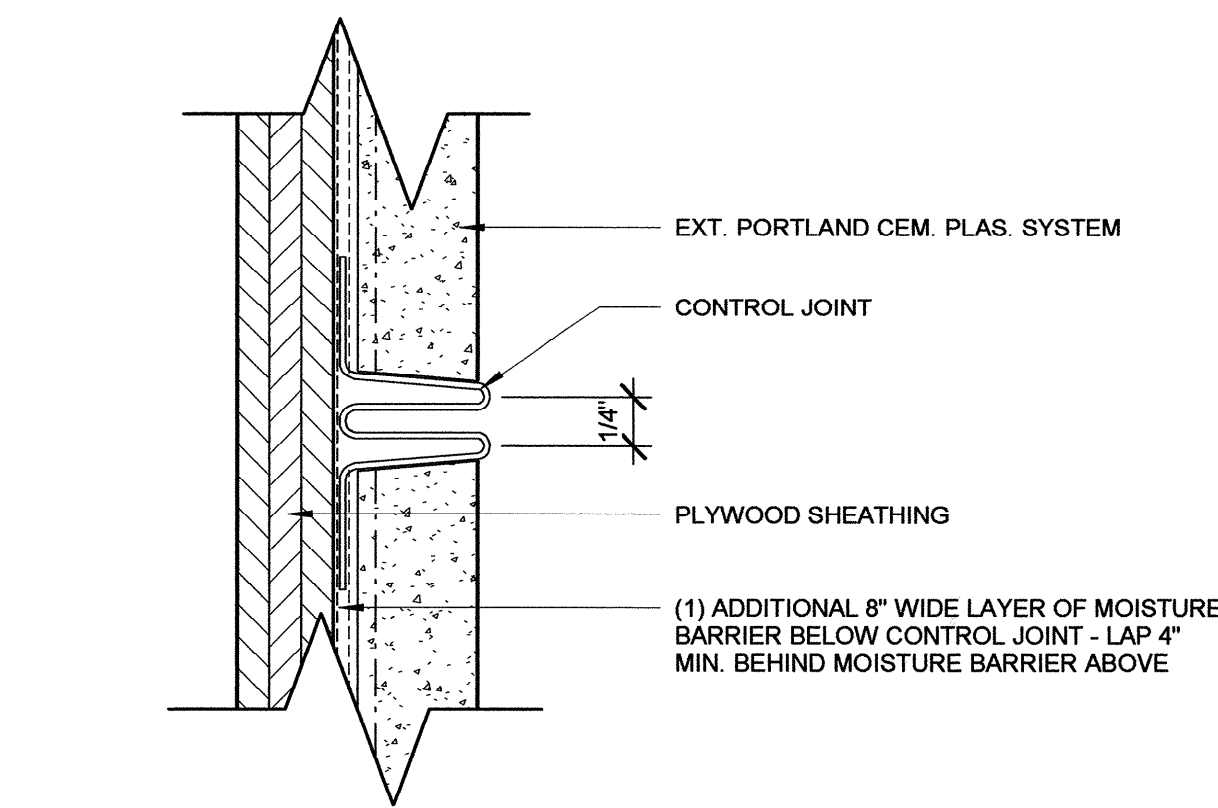
7 INT. WALL BASE
1 1/2" = 1'-0"



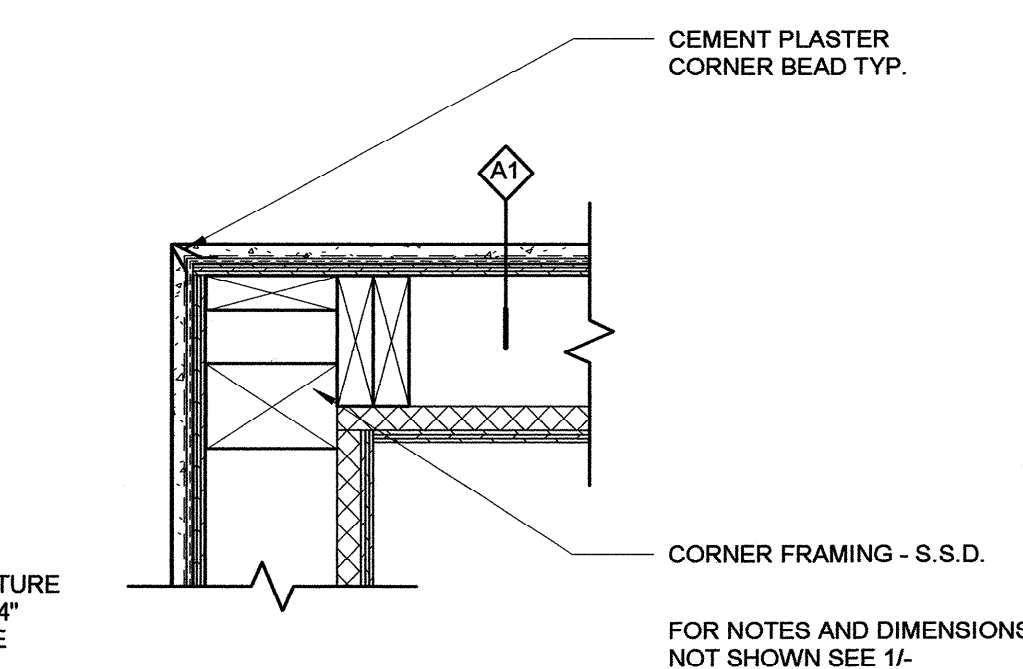
3 INT. WALL TYPE B1
1 1/2" = 1'-0" B2 SIM. - NO INSULATION



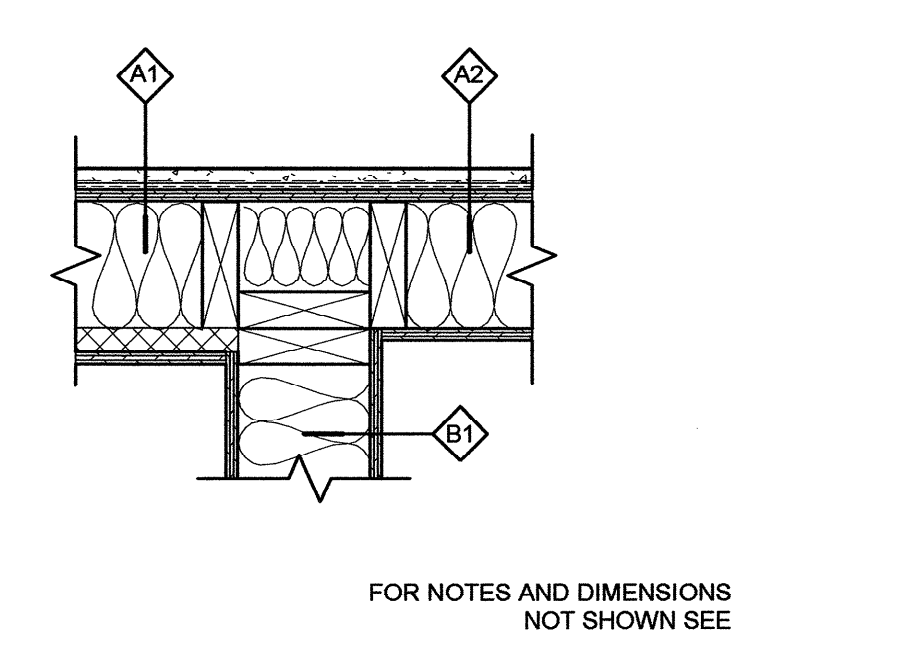
16 RAKE DETAIL - MONITOR
1 1/2" = 1'-0"



12 PLASTER CONTROL JOINT
1:1



8 EXT. WALL CORNER
1 1/2" = 1'-0"

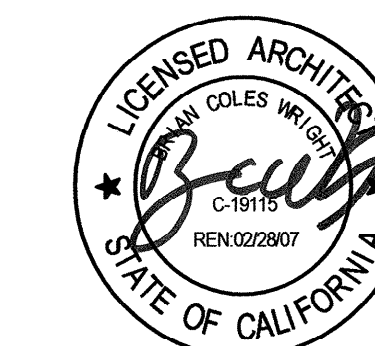


4 WALL INTERSECTION DETAIL
1 1/2" = 1'-0"

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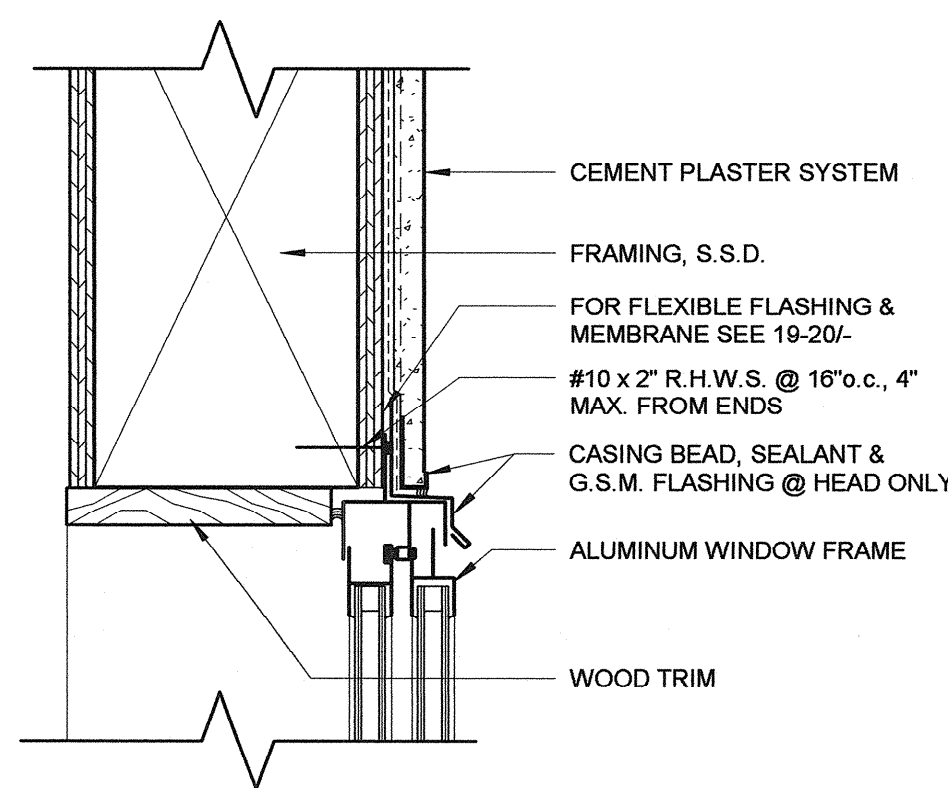
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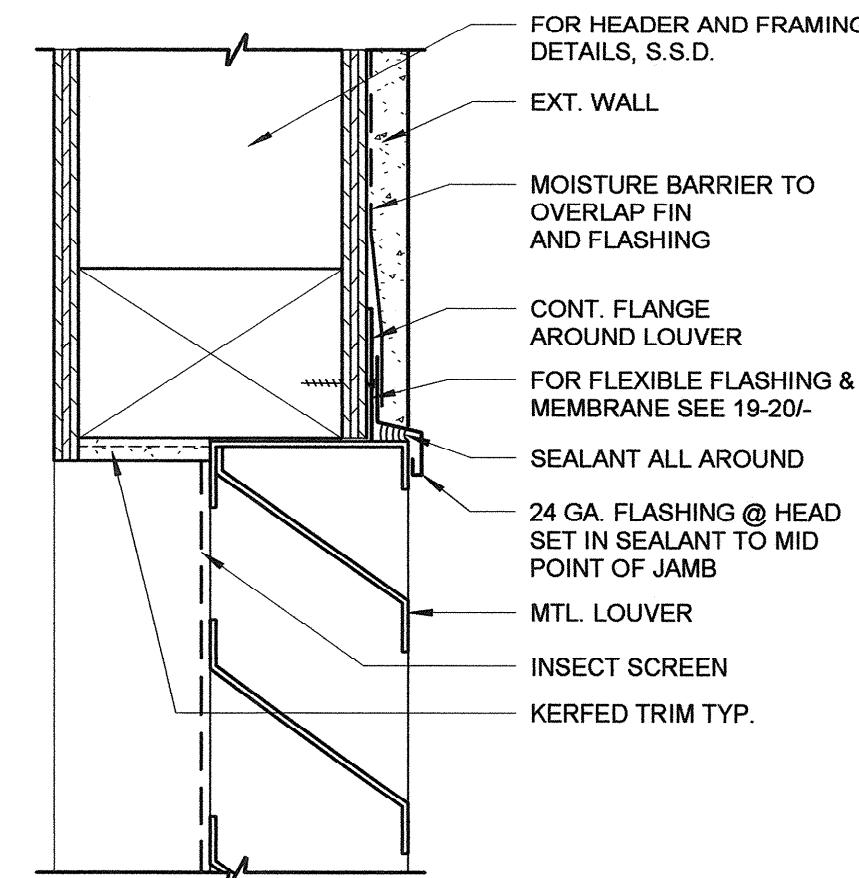
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DETAILS
A5

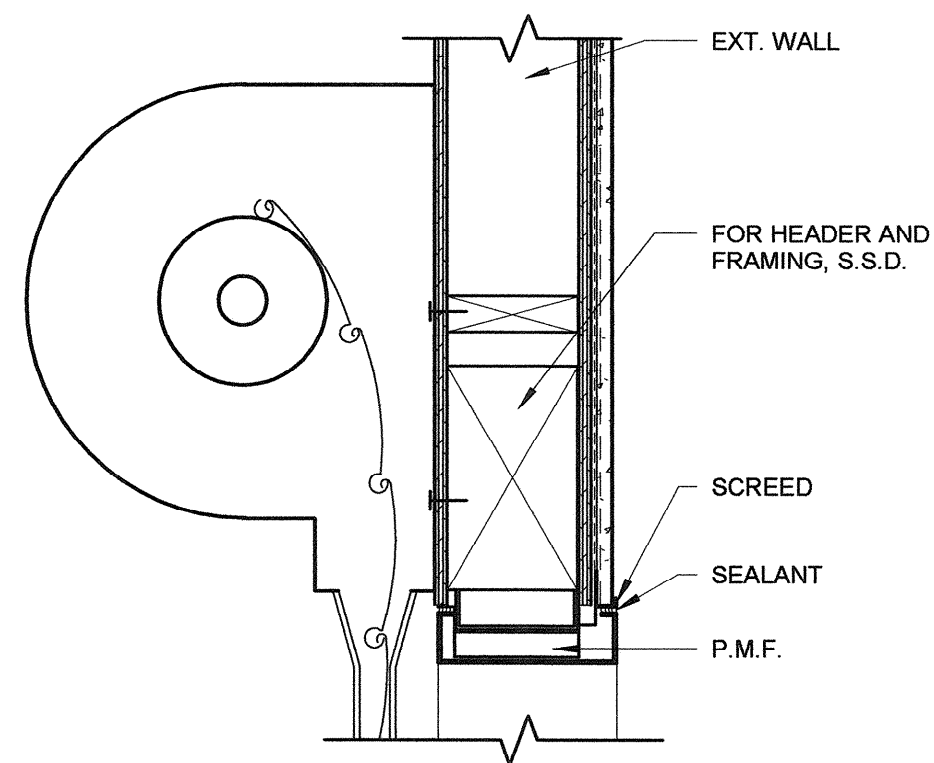
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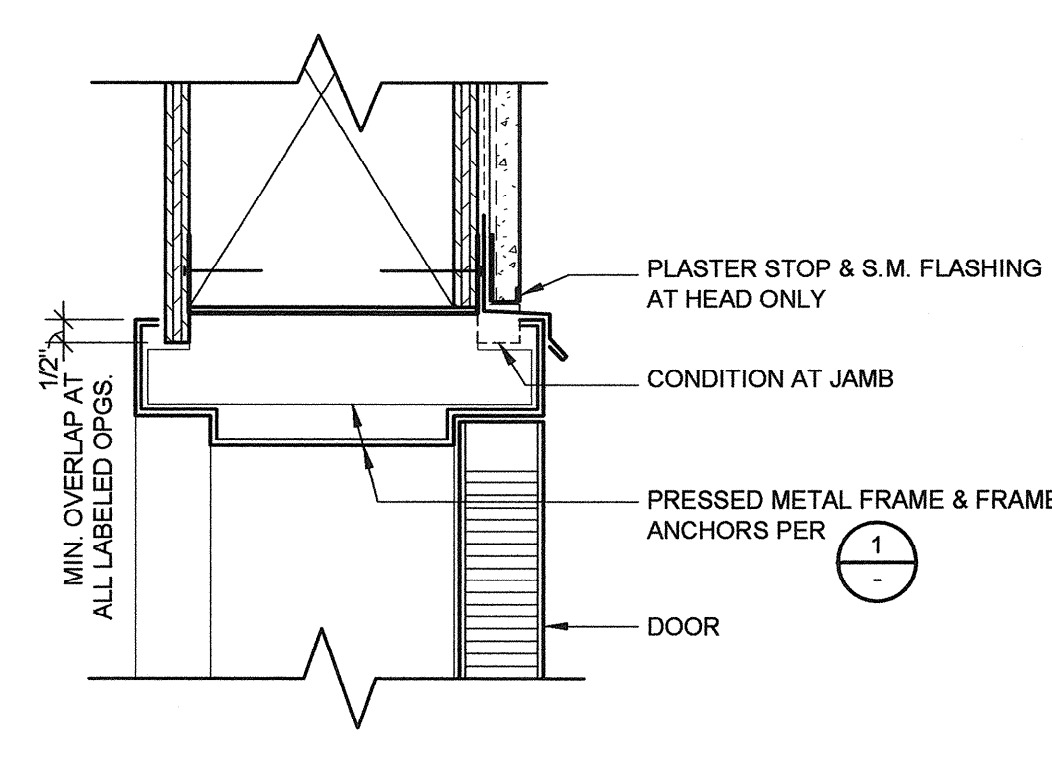
17 HEAD @ WINDOW
3" = 1'-0"



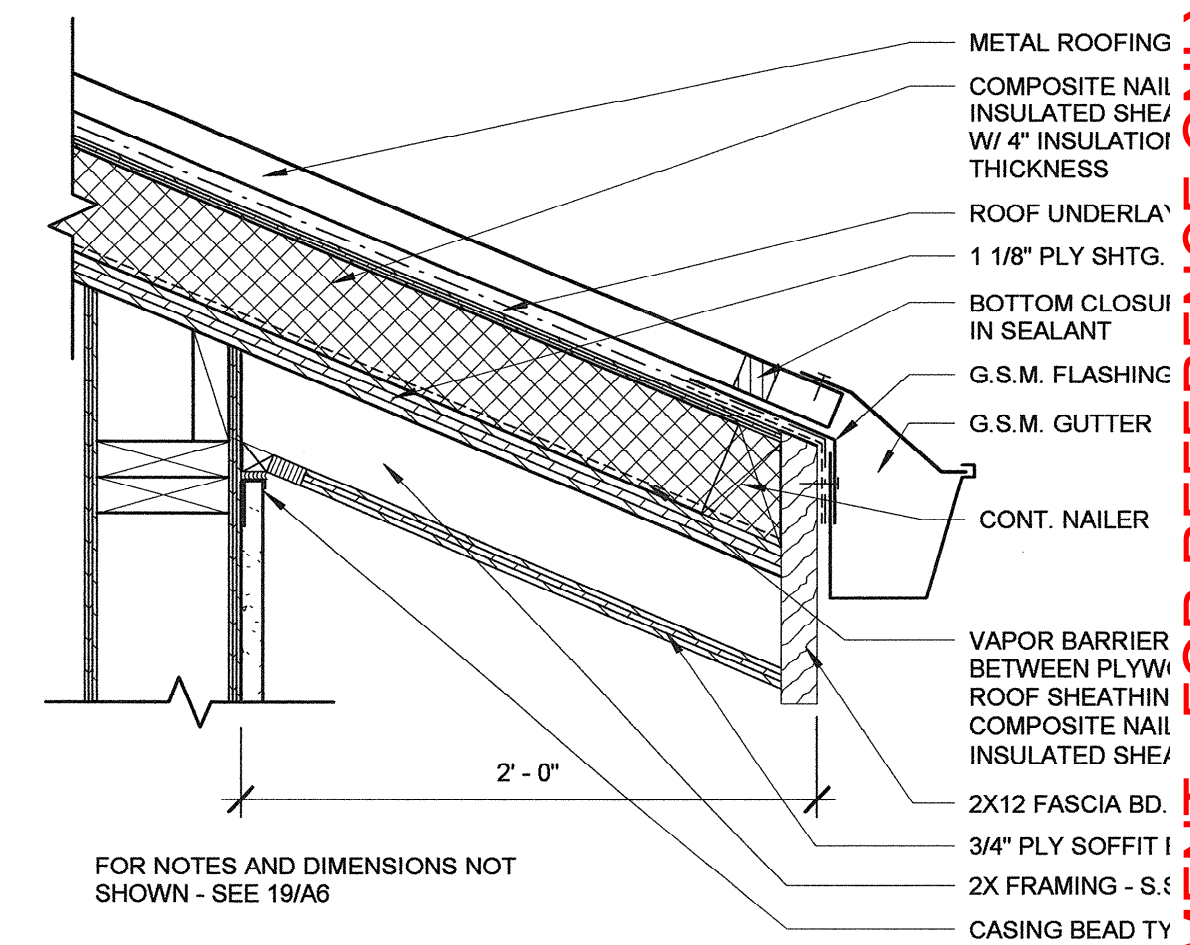
13 HEAD @ LOUVER
3" = 1'-0"



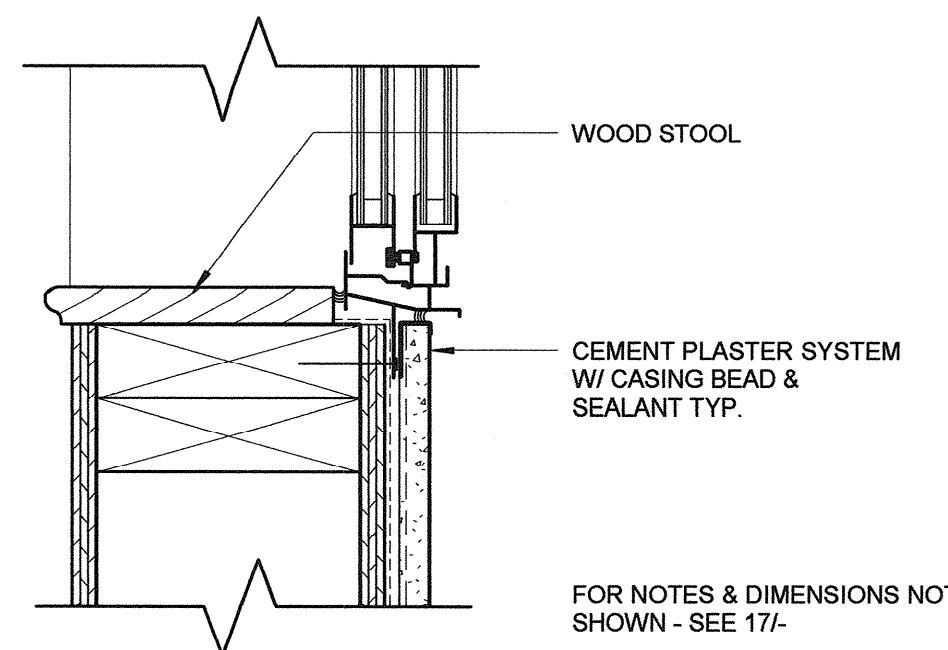
9 OVERHEAD DOOR - HEAD
1 1/2" = 1'-0"



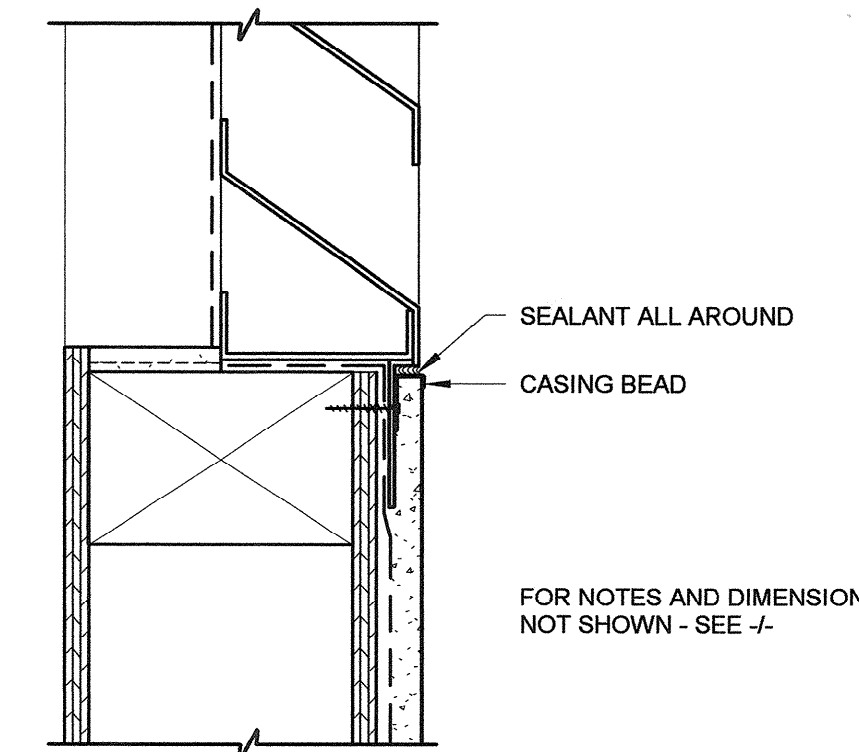
5 HEAD @ EXT. DOOR
3" = 1'-0"



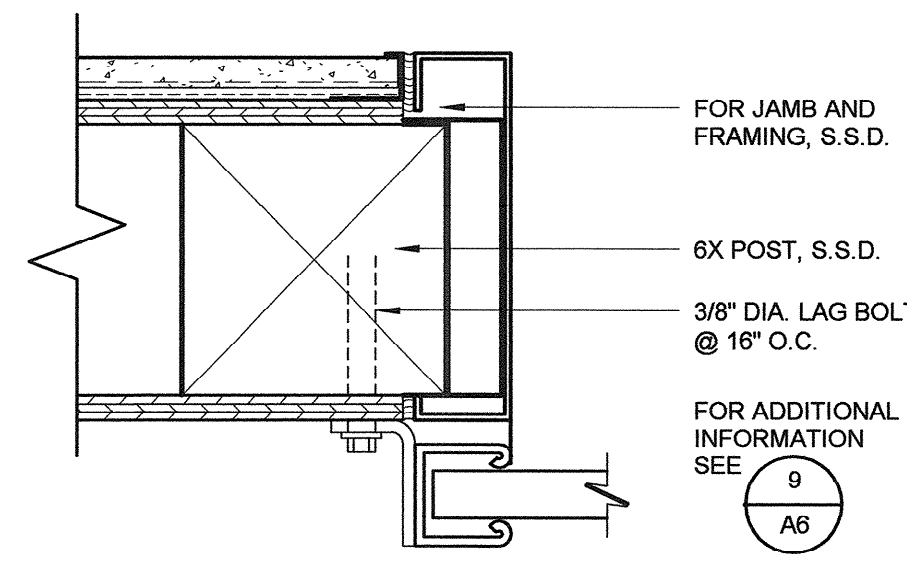
1 EAVE DETAIL - MAIN
1 1/2" = 1'-0"



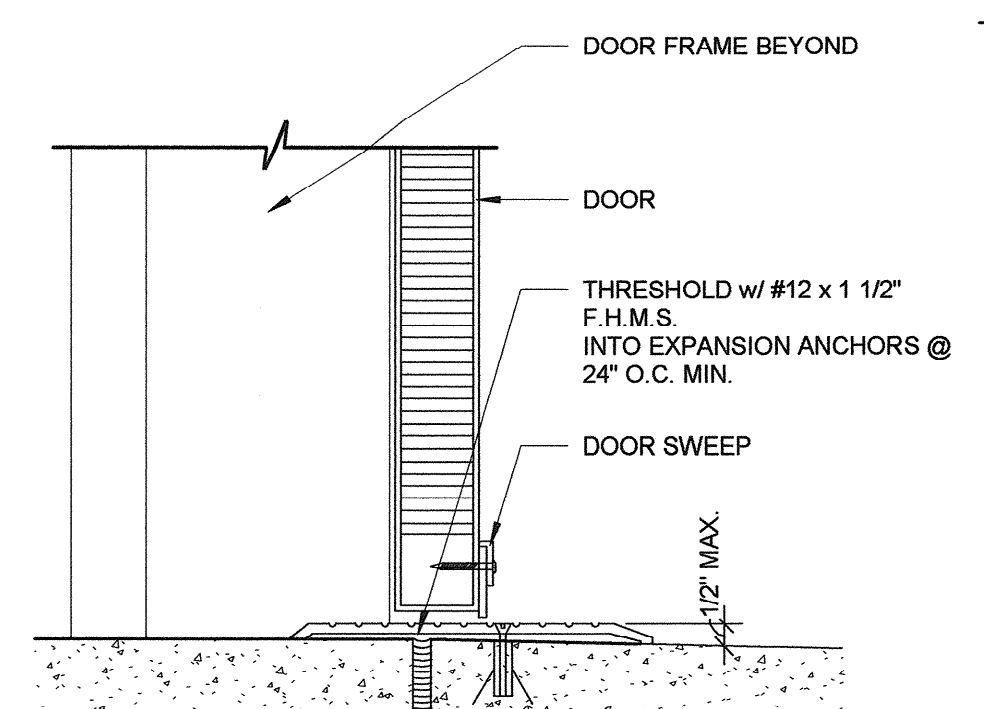
18 SILL @ WINDOW
3" = 1'-0"



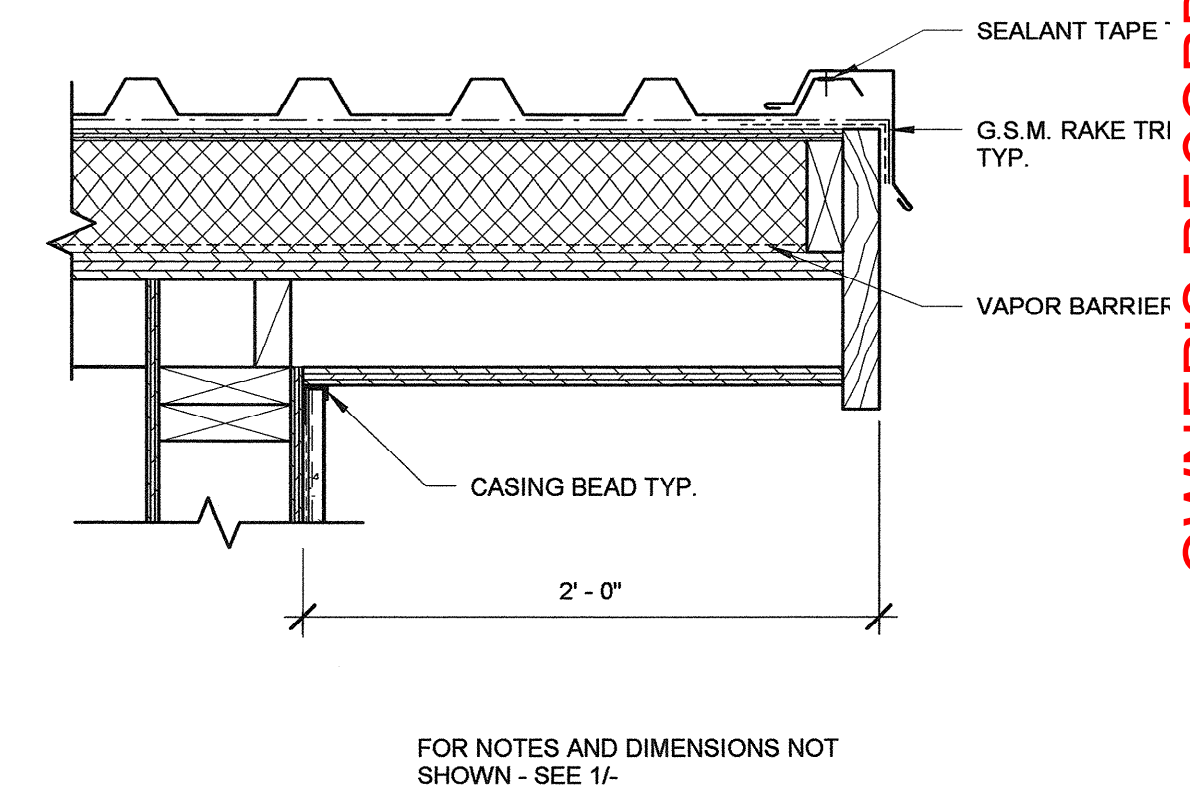
14 SILL @ LOUVER
3" = 1'-0"



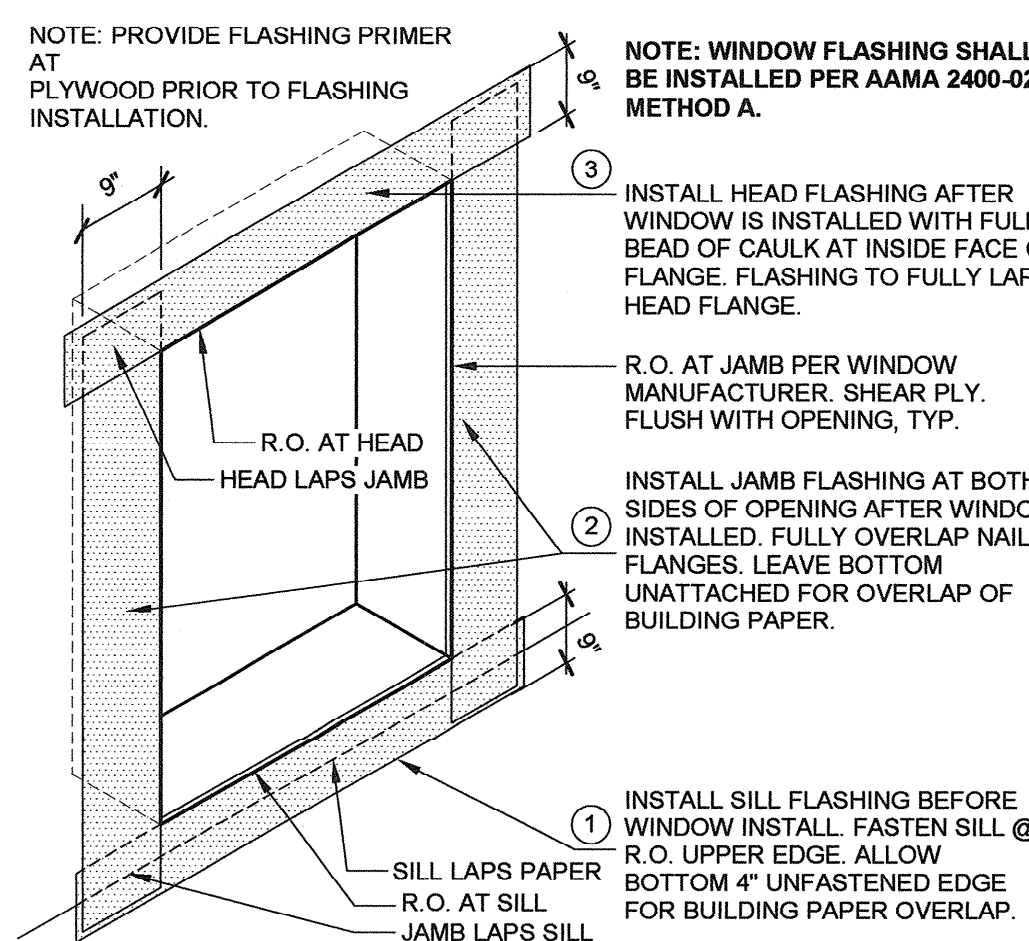
10 OVERHEAD DOOR - JAMB
3" = 1'-0"



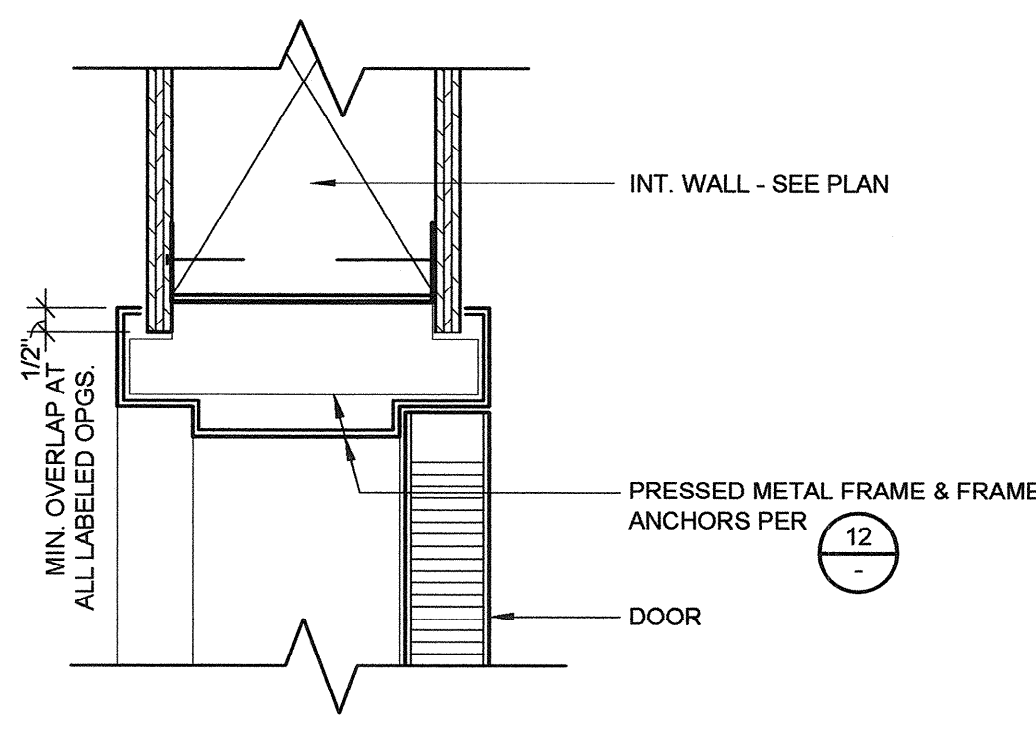
6 EXTERIOR THRESHOLD
3" = 1'-0"



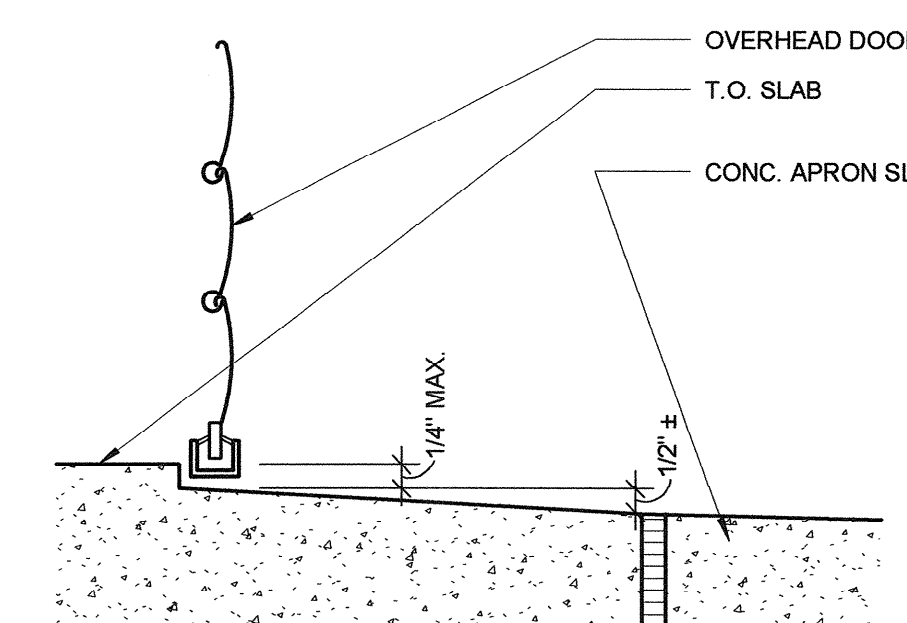
2 RAKE DETAIL - MAIN
1 1/2" = 1'-0"



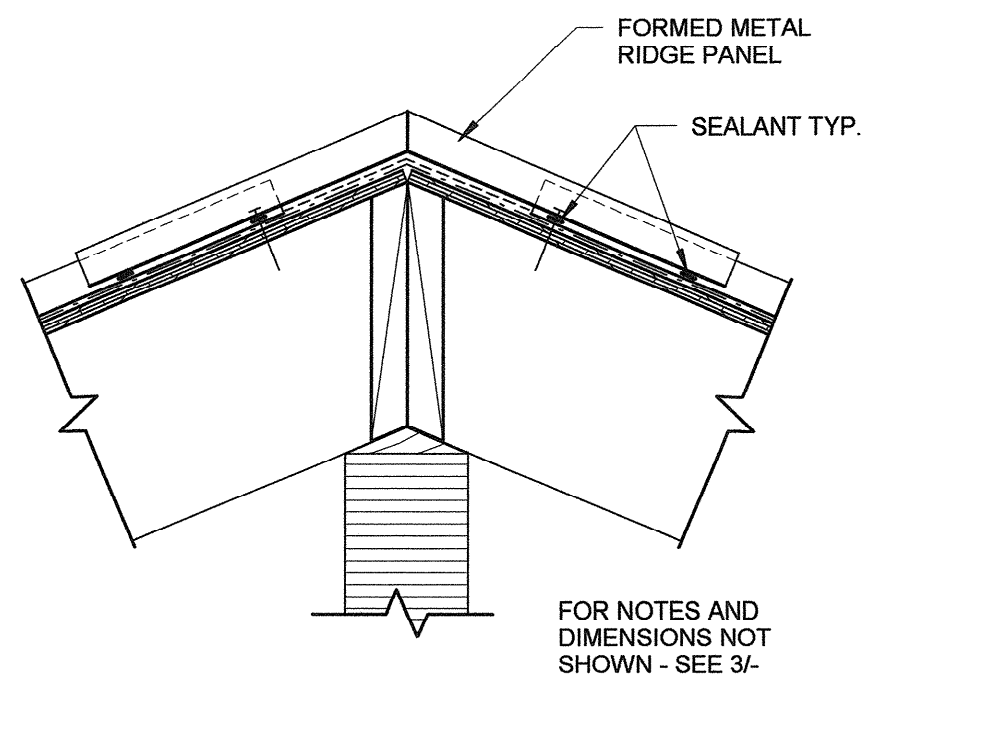
19 WINDOW FLEXIBLE FLASHING
1 1/2" = 1'-0"



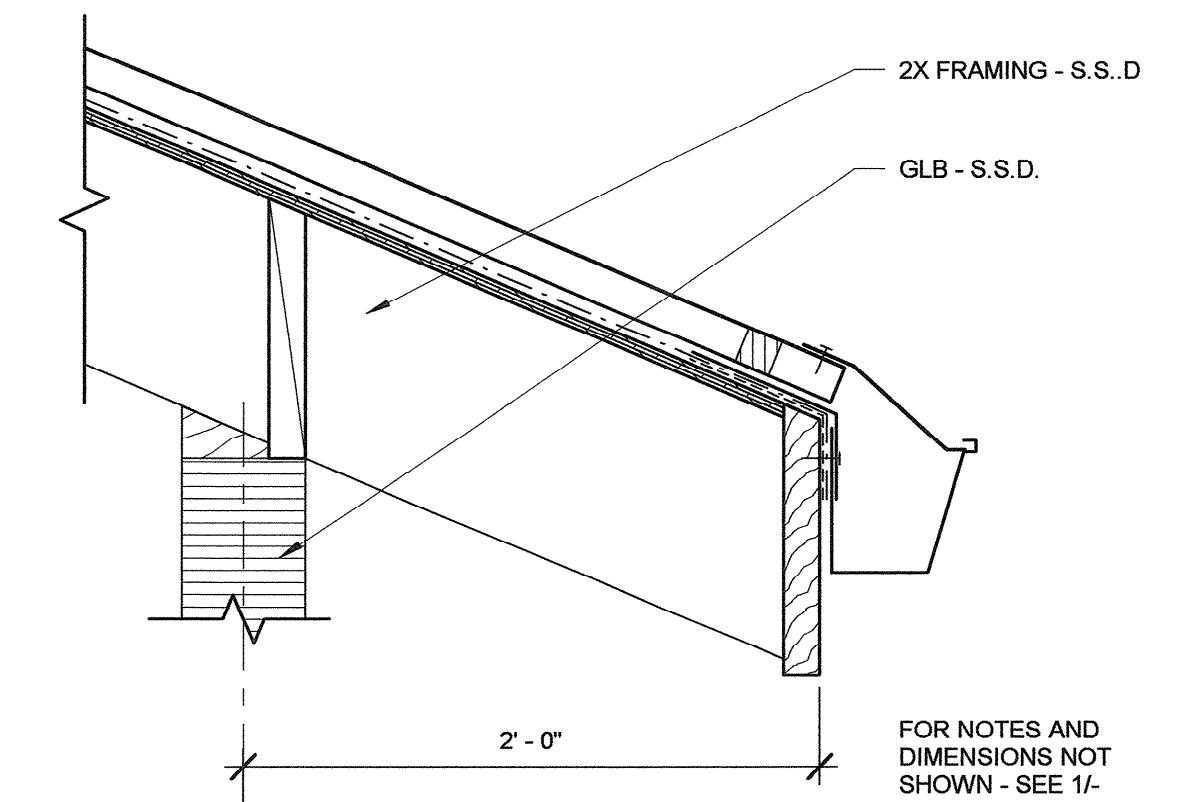
15 HEAD @ INT. DOOR
3" = 1'-0"



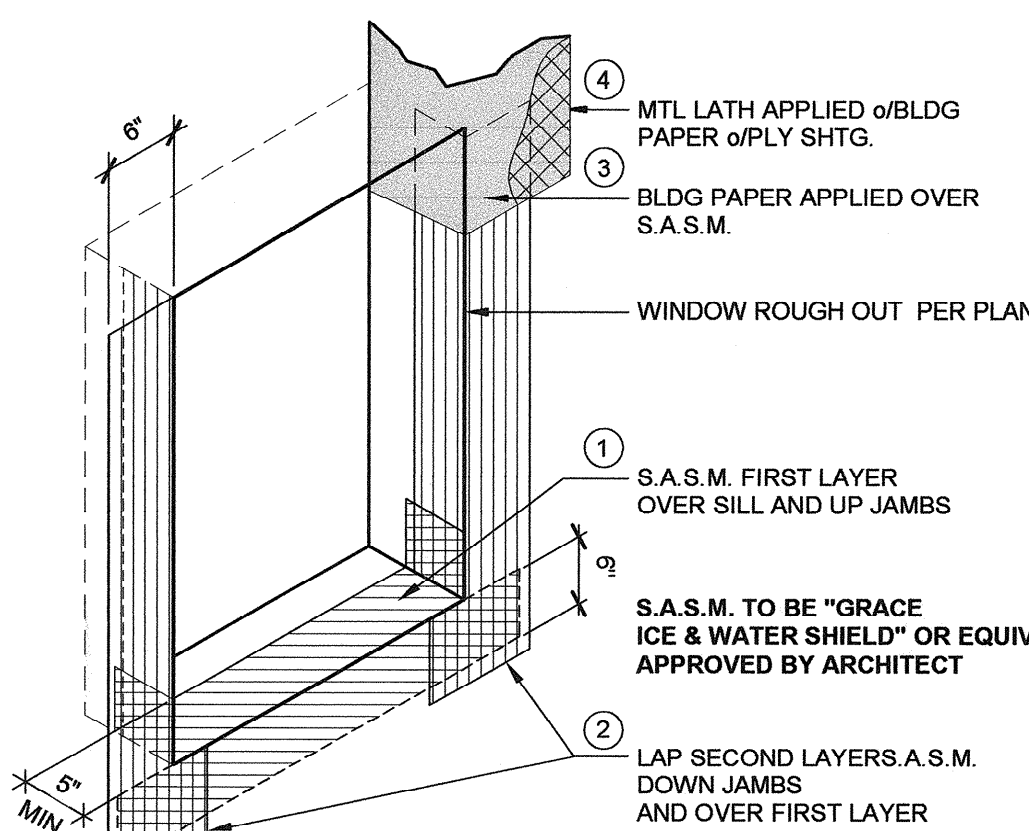
11 OVERHEAD DOOR - THRESH.
3" = 1'-0"



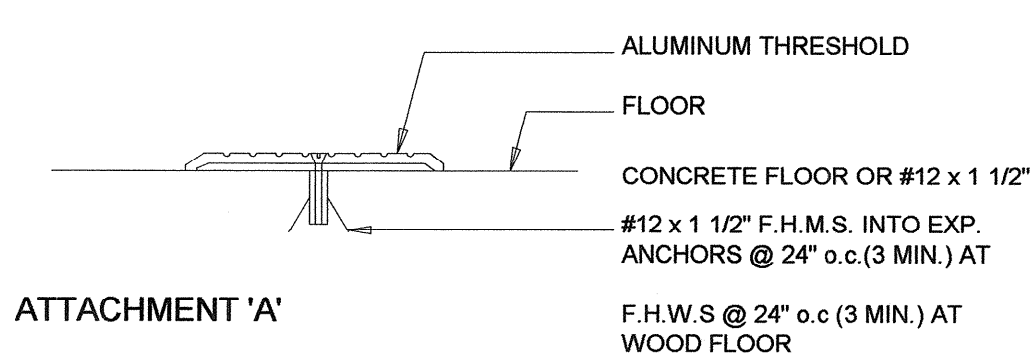
7 RIDGE - CANOPY
1 1/2" = 1'-0"



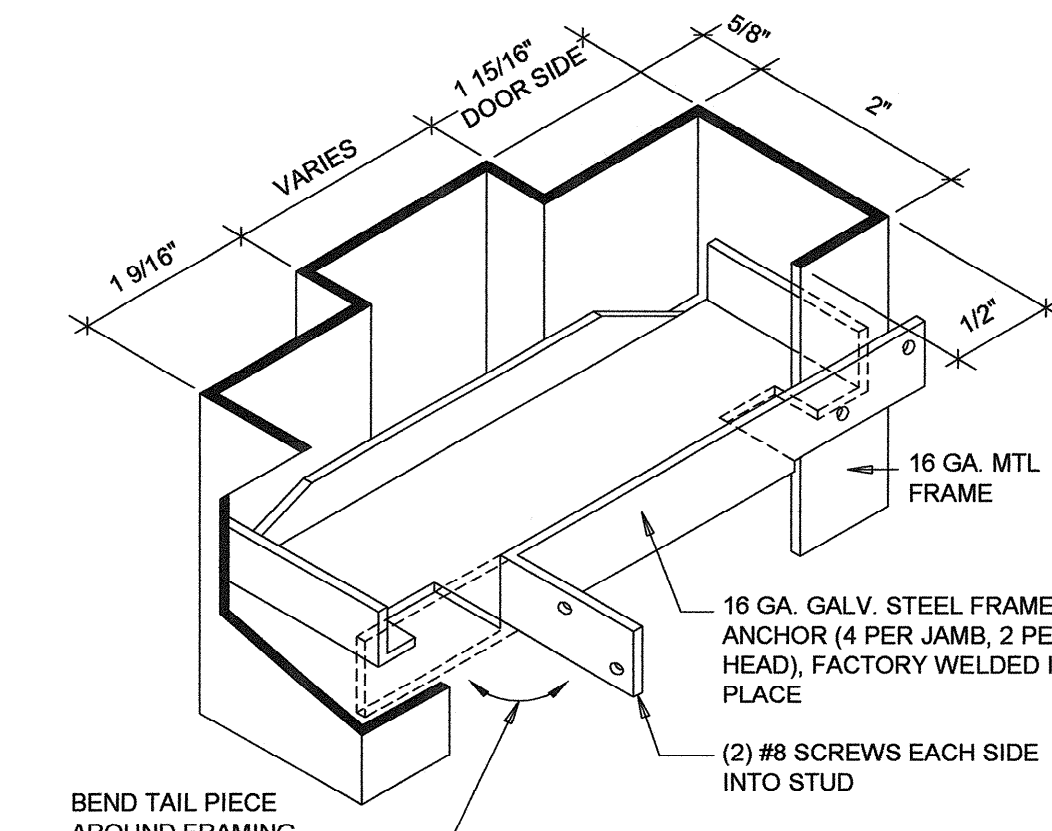
3 EAVE DETAIL - CANOPY
1 1/2" = 1'-0"



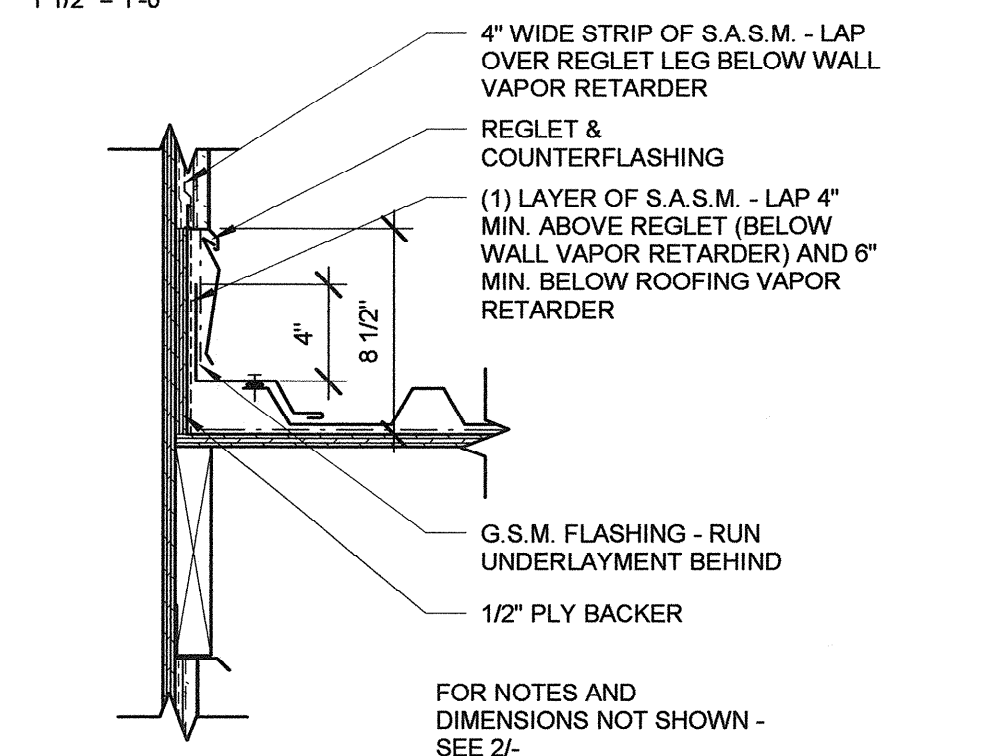
20 WINDOW S.A.S.M.
1 1/2" = 1'-0"



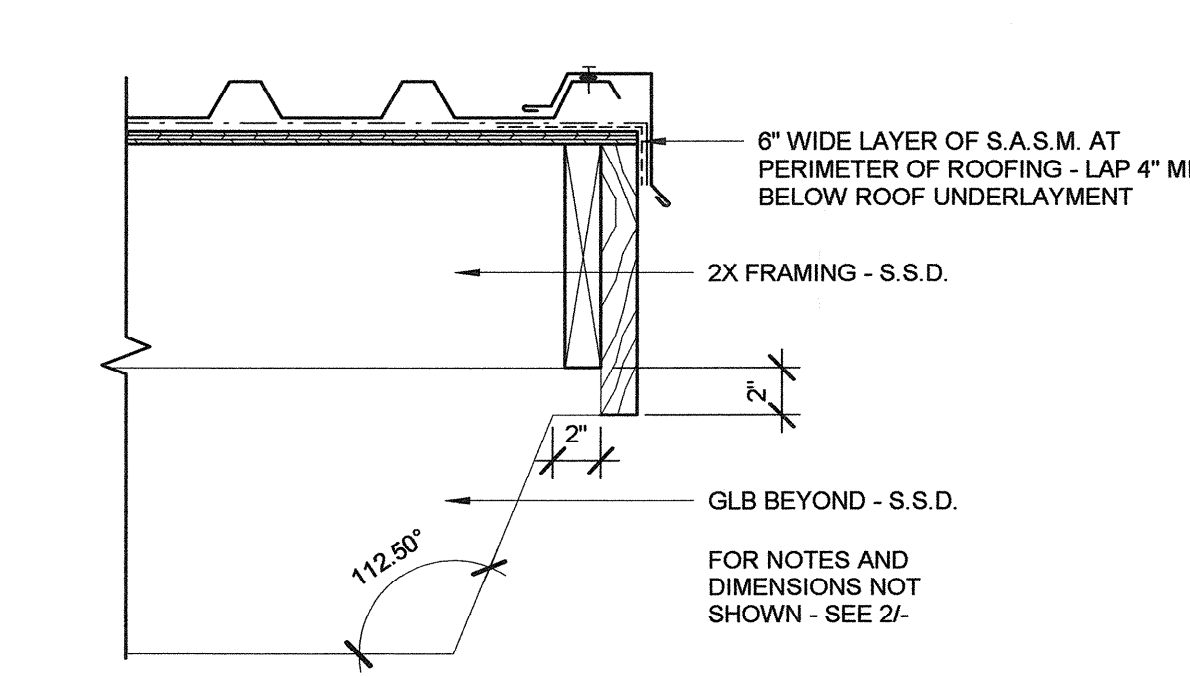
16 TYP. THRESH. ANCHORAGE
3" = 1'-0"



12 DOOR / WINDOW FRAME
3" = 1'-0"

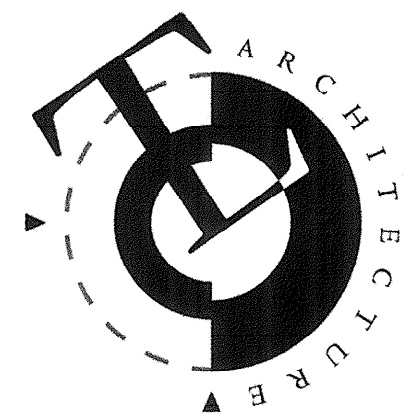


8 RAKE - CANOPY @ WALL
1 1/2" = 1'-0"

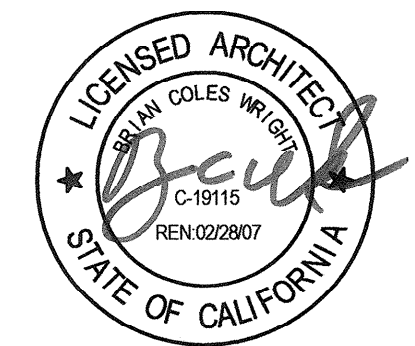


4 RAKE DETAIL - CANOPY
1 1/2" = 1'-0"

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Agency Approval



WINE STORAGE BUILDING
2277 NAPA-VALLEJO HWY. NAPA, CA 94558

NAPA COMMUNITY COLLEGE DISTRICT
NAPA, CALIFORNIA

PROJECT NUMBER: 05067.00
DATE: January 10, 2007
DRAWN BY: G.E.M.
CHECKED BY: D.S.K.
REVISIONS:

March 3, 2007 Plan Check Revisions

DETAILS
A6

3/5/2007 8:29:41 AM

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GENERAL STRUCTURAL NOTES

I. GENERAL

- A. DRAWINGS AND SPECIFICATIONS REPRESENT FINISHED STRUCTURE. CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION INCLUDING BUT NOT LIMITED TO SHORING AND TEMPORARY BRACING. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO ENSURE SAFETY OF ALL PERSONS AND STRUCTURES AT THE SITE AND ADJACENT TO THE SITE. OBSERVATION VISITS TO THE SITE BY THE ARCHITECT, ENGINEER OR CONSTRUCTION MANAGER SHALL NOT RELIEVE THE CONTRACTOR OF SUCH RESPONSIBILITY.
- B. HOLES AND OPENINGS THROUGH WALLS AND FLOORS FOR DUCTS, PIPING AND VENTILATIONS SHALL BE COORDINATED BY THE CONTRACTOR WHO SHALL VERIFY SIZES AND LOCATION OF SUCH HOLES OR OPENINGS WITH THE MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS AND THESE SUB-CONTRACTORS.
- C. NO PIPES OR DUCTS SHALL BE EMBEDDED IN SLABS OR WALLS UNLESS SPECIFICALLY DETAILED ON DRAWINGS OR APPROVED BY DESIGN ENGINEER.
- D. SEE DRAWINGS OTHER THAN STRUCTURAL FOR: KINDS OF FLOOR FINISH AND THEIR LOCATION, FOR DEPRESSIONS IN FLOOR SLABS, FOR OPENINGS IN WALLS AND FLOORS REQUIRED BY ARCHITECTURAL AND MECHANICAL FEATURES, FOR ROADWAY PAVING, WALKS, RAMPS, STAIRS, CURBS, ETC.
- E. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE BEFORE COMMENCING WORK AND SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT.
- F. OMISSIONS OR CONFLICTS BETWEEN VARIOUS ELEMENTS OF THE DRAWINGS, NOTES, AND DETAILS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER AND RESOLVED BEFORE PROCEEDING WITH THE WORK.
- G. DO NOT SCALE DRAWINGS; USE WRITTEN DIMENSIONS. WHERE NO DIMENSION IS PROVIDED, CONSULT THE ARCHITECT FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
- H. WHERE MEMBER LOCATIONS ARE NOT SPECIFICALLY DIMENSIONED, MEMBERS ARE EITHER LOCATED ON COLUMN LINES OR EQUALLY SPACED BETWEEN MEMBERS ON COLUMN LINES OR BETWEEN MEMBERS OTHERWISE LOCATED.
- I. TYPICAL DETAILS ARE INTENDED TO APPLY TO APPLICABLE SITUATIONS UON. IN GENERAL, TYPICAL DETAILS ARE NOT SPECIFICALLY REFERENCED.
- J. IF CERTAIN FEATURES ARE NOT FULLY SHOWN OR CALLED FOR ON THE DRAWINGS OR SPECIFICATIONS, THEIR CONSTRUCTION SHALL BE OF THE SAME CHARACTER AS FOR SIMILAR CONDITIONS THAT ARE CALLED FOR OR SHOWN.

II. DESIGN BASIS

- A. APPLICABLE CODE: CALIFORNIA BUILDING CODE (CBC), 2001
- B. VERTICAL LIVE LOADS:
 - 1. ROOF: 20 PSF PLUS MECHANICAL.
- C. LATERAL LOADS:
 - 1. DESIGN WIND SPEED = 70 MPH; EXPOSURE B; IMPORTANCE= 1.0
 - 2. SEISMIC: STATIC FORCE PROCEDURE
ZONE = 4, SOIL TYPE = SD, R = 5.5, N_a = 1.3
N_v = 1.6, I = 1.0 DESIGN BASE SHEAR, V = 0.260 W
- D. FOUNDATION DESIGN CRITERIA
 - 1. SIZES OF FOOTINGS AND ELEVATIONS AT BOTTOMS OF FOOTINGS HAVE BEEN ESTABLISHED BASED ON THE SOILS REPORT "GEO TECHNICAL STUDY OF NAPA VALLEY COLLEGE WINERY STORAGE BUILDING" PREPARED BY PHOENIX GEOTECHNICAL AND DATED MAY 16, 2006

AS EXCAVATION PROGRESSES, CONDITIONS MAY DEVELOP REQUIRING CHANGES IN THESE ELEVATIONS AND/OR FOOTINGS. SUCH CHANGES SHALL BE MADE ONLY AS DIRECTED BY THE SOILS ENGINEER.

- 2. SPREAD FOOTINGS: ALLOWABLE SOIL BEARING PRESSURES ARE:

DEAD + LIVE LOADS	2000 PSF
DEAD + LIVE + SEISMIC LOADS	2667 PSF

CONTINUOUS FOOTINGS SHALL EXTEND A MINIMUM OF 18" BELOW LOWEST ADJACENT GRADE. ISOLATED FOOTINGS SHALL EXTEND A MINIMUM OF 18" BELOW LOWEST ADJACENT GRADE.

III. MATERIALS

A. CONCRETE

- 1. REINFORCING STEEL:
 - a. BARS: ASTM A615, GRADE 60.
 - b. ALL CONCRETE SHALL BE REINFORCED UNLESS SPECIFICALLY MARKED 'NOT REINFORCED'.
- 2. CONCRETE CLASSES: SEE SPECIFICATIONS FOR REQUIREMENTS.

CLASS	USE	WT	STRENGTH
A.	FOUNDATIONS WALLS	145 PCF	3000 PSI
B.	SLAB-ON-GRADE	145 PCF	3000 PSI
- 3. MINIMUM CONCRETE COVER FOR REINFORCING STEEL:
 - a. SURFACES PLACED AGAINST EARTH 3"
 - b. FORMED SURFACES BELOW GRADE 2"
 - c. SURFACES EXPOSED TO WEATHER 2"
 - d. BEAM AND COLUMN BARS (INCLUDING STIRRUPS OR TIES) 1-1/2"
 - e. EXTERIOR WALL AT EXTERIOR FACE 1-1/2"
 - f. SLABS AND WALLS NOT EXPOSED TO WEATHER 1"

B. WOOD

- 1. FRAMING LUMBER - DOUGLAS FIR;
 - a. JOISTS AND RAFTERS: NO. 1.
 - b. POSTS, BEAMS, AND HEADERS: NO. 1.
 - c. STUDS, PLATES, BLOCKS, LIGHT FRAMING AND MISC: NO. 2.
 - d. ALL LUMBER IN CONTACT WITH CONCRETE OR MASONRY 6' -0" OR LESS ABOVE GROUND SHALL BE PRESSURE TREATED DOUGLAS FIR.
 - e. LUMBER MOISTURE CONTENT: SEE SPECIFICATIONS
- 2. PREFABRICATED WOOD TRUSSES: SEE SPECIFICATIONS
- 3. PLYWOOD SHEATHING:
 - a. ROOF SHEATHING: 1 1/8 INCH C-D, EXPOSURE 1 APA RATED 48/24.
 - b. WALL SHEATHING: 15/32 INCH C-D, EXPOSURE 1.
- 4. GLUED-LAMINATED BEAMS: 20FV12 AC/AC AT EXTERIOR EXPOSURE.
- 5. FRAMING HARDWARE: AS MANUFACTURED BY SIMPSON CO. OR APPROVED EQUAL. SIMPSON DESIGNATIONS USED.
- 6. NAILS: COMMON WIRE GAGE UON. NAILING TO CONFORM TO UBC TABLE 23-11-B-1, UON.
- 7. BOLTS: ASTM A307.
- 8. ANCHOR BOLTS: HOLD-DOWNS: ASTM A36
- 9. PROVIDE LATERAL SUPPORT FOR BEAMS, JOISTS, RAFTERS AND TRUSSES.

C. STEEL

- 1. SHAPE MATERIAL
- PLATES: ASTM A36 TYPICAL,
- TUBES: ASTM A500, GRADE B
- 2. WELDING ELECTRODES: E-70XX.

IV. QUALITY CONTROL

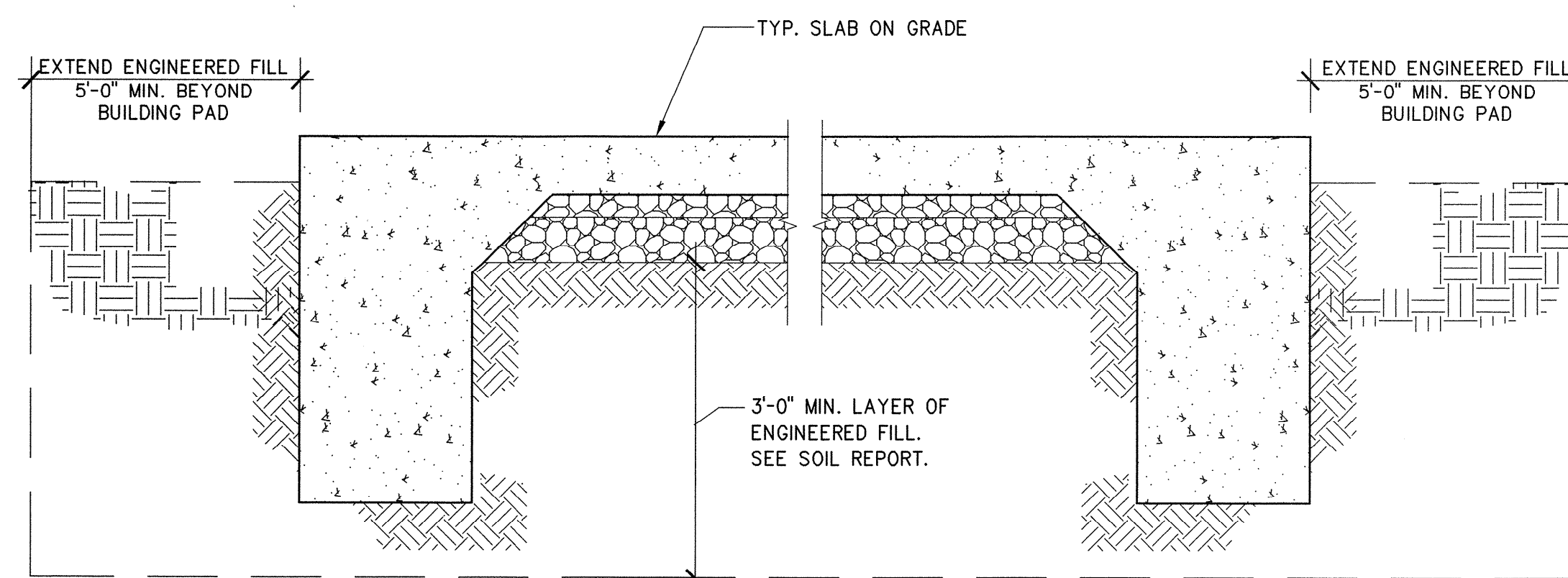
- A. THE FOLLOWING WORK REQUIRES TESTS AND/OR INSPECTIONS. FOR SPECIFIC REQUIREMENTS SEE SPECIFICATIONS. INSPECTIONS SHALL BE MADE IN ACCORDANCE WITH CBC 1701 BY A CERTIFIED SPECIAL INSPECTOR RETAINED BY THE OWNER.
 - 1. FOOTING EXCAVATION
 - 2. SOIL COMPACTION
 - 3. REINFORCING STEEL & ANCHOR BOLTS
 - 4. CONCRETE
 - 5. GROUTED DOWELS
 - 6. PLYWOOD SHEAR NAILING AND FRAMING HARDWARE
- B. A PARTIAL LISTING OF REQUIRED STRUCTURAL SUBMITTALS FOLLOWS. CONSULT THE SPECIFICATIONS FOR A COMPLETE LISTING OF SUBMITTAL REQUIREMENTS. EACH SUBMITTAL SHALL BE MADE AS ONE COMPLETE PACKAGE FOR EACH STRUCTURAL MATERIAL AND/OR TYPE NOTED, INCLUDING REQ'D DETAILS AND CALCULATIONS. PARTIAL SUBMITTALS WILL NOT BE REVIEWED AND WILL BE RETURNED TO THE CONTRACTOR.
 - 1. CONCRETE MIX DESIGNS
 - 2. GROUT MIX DESIGNS
 - 3. CONSTRUCTION JOINT LAYOUT & CONTROL JOINT LAYOUT
 - 4. REINFORCING STEEL SHOP DRAWINGS
 - 5. PREFABRICATED TRUSS SHOP DRAWINGS & CALCULATIONS
 - 6. GLULAM BEAM SHOP DRAWINGS
 - 7. MANUFACTURER'S DATA FOR INSERTS, GROUTS & EPOXIES
 - 8. PLYWOOD NAILS AND NAILING MACHINE DATA
- C. STRUCTURAL OBSERVATIONS WILL BE PROVIDED PER CBC 1702 BY THE ENGINEER OF RECORD.

VI. ABBREVIATIONS

Ø	DIAMETER
AB	ANCHOR BOLT
ARCH	ARCHITECTURAL
BLDG	BUILDING
BLK' G	BLOCKING
BM	BEAM
BOT	BOTTOM
CB	COLUMN BASE
CL	CENTER LINE
CJ	CONSTRUCTION JOINT
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONN	CONNECTION
CONT	CONTINUOUS
CJP	COMPLETE JOINT PENETRATION
CTR	CENTER
CTRSK	COUNTERSINK
DET	DETAIL
DF	DOUGLAS FIR
DWG	DRAWING
(E)	EXISTING
EA	EACH
EF	EACH FACE
EL OR ELEV	ELEVATION
ELECT	ELECTRICAL
EN	EDGE NAILING
EQ	EQUAL
EW	EACH WAY
EXT	EXTERIOR
FDN	FOUNDATION
FIN	FINISH
FL OR FLR	FLOOR
FOC	FACE OF CONCRETE
FOS	FACE OF STUD
FRM' G	FRAMING
FTG	FOOTING
GA	GAUGE
GALV	GALVANIZED
GLB	GLU-LAMINATED BEAM
HD	HOLD DOWN
HORIZ	HORIZONTAL
HSB	HIGH STRENGTH BOLT
HT	HEIGHT
INT	INTERIOR
JH	JOIST HANGER
JT	JOINT
LLH (LLV)	LONG LEG HORIZONTAL (VERTICAL)
LT	LIGHT
MB	UNFINISHED MACHINE BOLTS
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MTL	METAL
MIN	MINIMUM
MISC	MISCELLANEOUS
NIC	NOT IN CONTRACT
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OD (ID)	OUTSIDE (INSIDE) DIAMETER
OPG	OPENING
OPP	OPPOSITE
PA	PURLIN ANCHOR
PAF	POWER ACTUATED FASTENER
PL	PLATE
PJP	PARTIAL JOINT PENETRATION
PLY	PLYWOOD
PT	POINT
PTN	PARTITION
REF	REFERENCE
REINF	REINFORCEMENT
REQ	REQUIRED
RWD	REDWOOD
SAD	SEE ARCHITECTURAL DRAWINGS
SCHED	SCHEDULE
SECT	SECTION
SHT	SHEET
SIM	SIMILAR
SMD	SEE MECHANICAL DRAWINGS
SPA	SPACE
SPD	SEE PLUMBING DRAWINGS
SPEC	SPECIFICATION
SQ	SQUARE
STAGG'D	STAGGERED
STD	STANDARD
STL	STEEL
STRUCT	STRUCTURAL
SYMM	SYMMETRICAL
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
THRD'D	THREADED
TOC	TOP OF CONCRETE
TOF	TOP OF FOOTING
TOS	TOP OF STEEL
TW	TOP OF WALL
TP	TOP OF PLATE
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
VERT	VERTICAL
WP	WORK POINT
WS	WATER STOP
WT	WEIGHT

SYMBOLS

SYMBOL	DESCRIPTION
(+12'-6")	ELEVATION
	CHANGE IN FINISH FLOOR ELEVATION OR STEP IN ROOF ELEVATION
	EXTENT OF RAFTER OR JOIST FRAMING
	SHEAR WALL PLYWOOD NAILING SEE 8/S8.1 AND 9/S8.1
	HOLDOWN, SEE 10/S8.1
	WOOD POST, 6x6 UON
	BEARING WALL BELOW
	HEADER OVER OPENING IN BEARING WALL BELOW SEE 6/S8.1 UON



NOTE: SEE GEOTECHNICAL REPORT FOR OVEREXCAVATION REQUIREMENTS AND OTHER INFORMATION.

1 TYPICAL BUILDING PAD SECTION

N.T.S.

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WINE STORAGE BUILDING

2277 NAPA-VALEJO HWY. NAPA, CA 94558

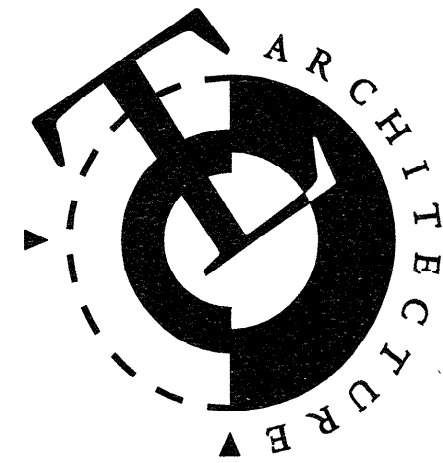
NAPA COMMUNITY COLLEGE DISTRICT
 NAPA, CALIFORNIA

PROJECT NUMBER:
05067.00
 DATE:
March 2, 2007
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CD
 REVISIONS:

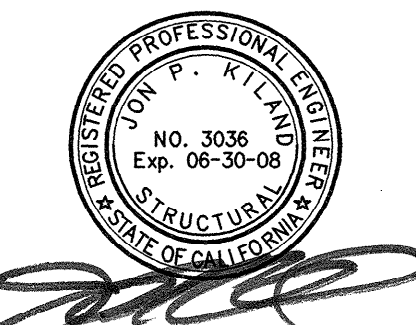
March 2, 2007 Plan Check Revisions

GENERAL NOTES

S1.0



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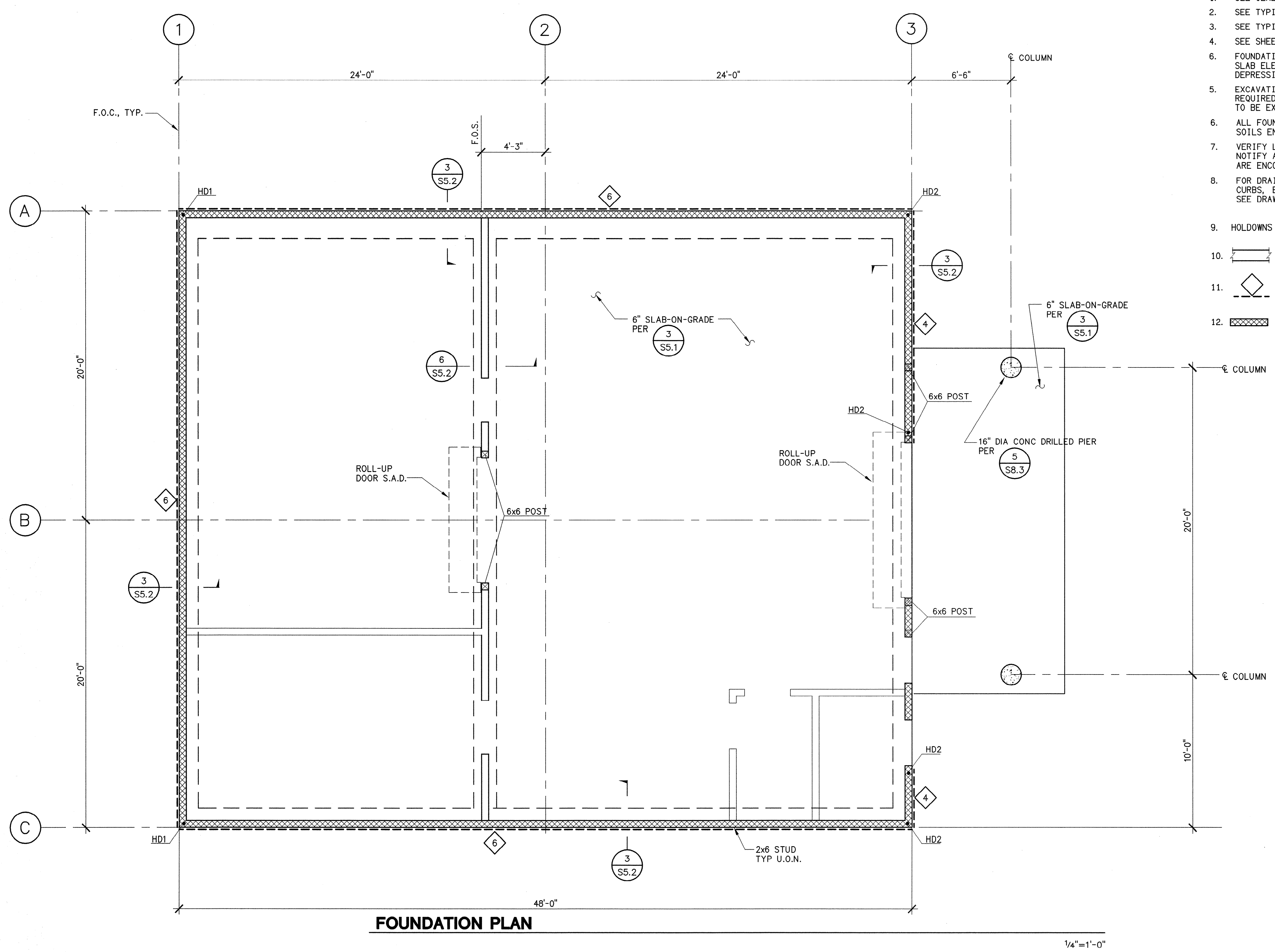
FOUNDATION PLAN

S2.1

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FOUNDATION NOTES

- SEE GENERAL NOTES ON SHEET S1.0.
- SEE TYPICAL CONCRETE DETAILS ON SHEET SS.1 & SS.2.
- SEE TYPICAL WOOD DETAILS ON SHEETS S8.1 AND S8.2.
- SEE SHEET A1 FOR DIMENSIONS WHERE NOT SHOWN ON STRUCTURAL PLAN.
- FOUNDATION PLAN IS TAKEN ABOVE SLAB-ON-GRADE. NOMINAL TOP OF SLAB ELEVATION IS CALLED OUT IN PLAN. SEE SHEET A1 FOR SLAB DEPRESSIONS AND CURBS.
- EXCAVATIONS SHALL BE MADE AS NEAR AS POSSIBLE TO THE NEAT LINES REQUIRED BY THE SIZE AND SHAPE OF THE STRUCTURE. NO MATERIAL IS TO BE EXCAVATED UNNECESSARILY.
- ALL FOUNDATION EXCAVATIONS MUST BE REVIEWED AND APPROVED BY THE SOILS ENGINEER AND INSPECTOR OF RECORD PRIOR TO PLACEMENT OF CONCRETE.
- VERIFY LOCATION OF UNDERGROUND UTILITIES BEFORE EXCAVATION. NOTIFY ARCHITECT PRIOR TO EXCAVATION IN THE EVENT SUCH UTILITIES ARE ENCOUNTERED. REFER TO CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.
- FOR DRAINAGE DETAILS, SUMPS, PITS, DAMP PROOFING, TRENCHES, CURBS, EXTERIOR WALKS, UTILITIES, EQUIPMENT DETAILS, STEPS, ETC., SEE DRAWINGS OTHER THAN STRUCTURAL.
- HOLD-DOWNS ARE DENOTED THUS ON PLAN: SEE DETAIL 10 ON SHEET S8.1.
- DENOTES BEARING WALL. SEE S8.1 FOR TYP WOOD WALL FRAMING DETAILS.
- DENOTES PLYWOOD SHEATHED SHEAR WALL, SEE SHEET S8.1 FOR TYPICAL DETAILS.
- DENOTES CONCRETE CURB PER

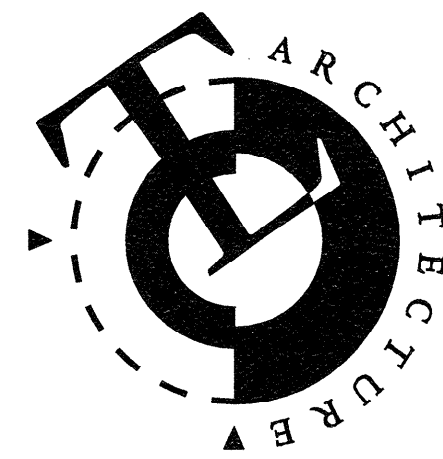


FOUNDATION PLAN

1/4"=1'-0"

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WINE STORAGE BUILDING

2277 NAPA-VALLEJO HWY. NAPA, CA 94558

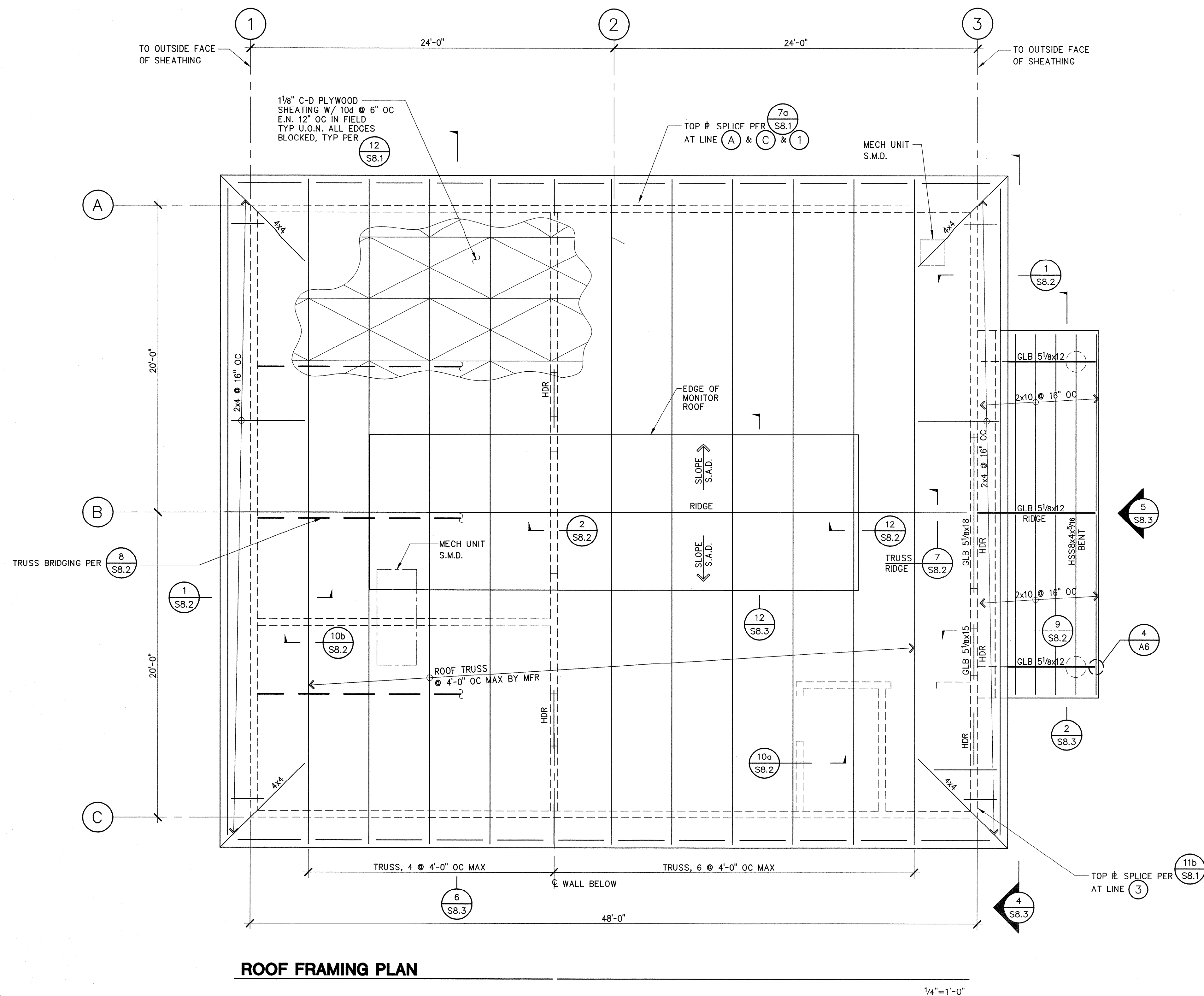
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 NAPA, CALIFORNIA

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ROOF FRAMING PLAN

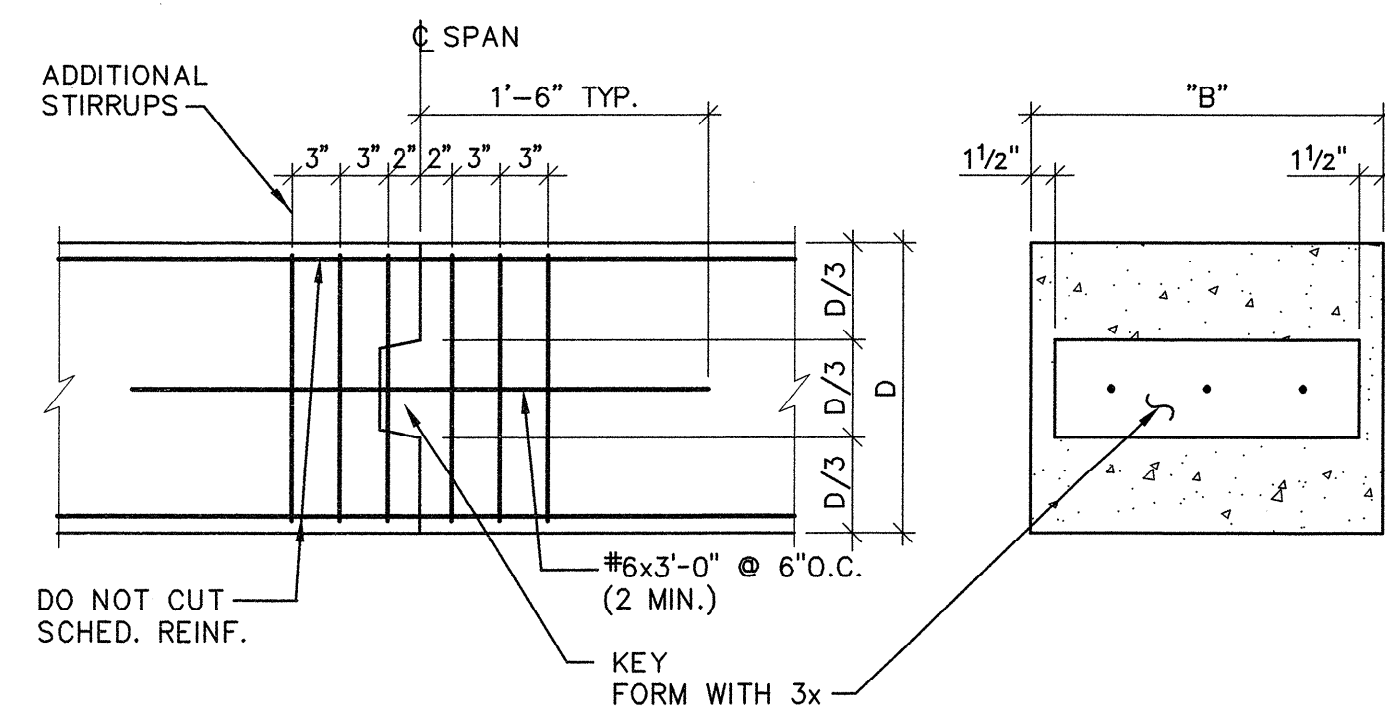
S2.2



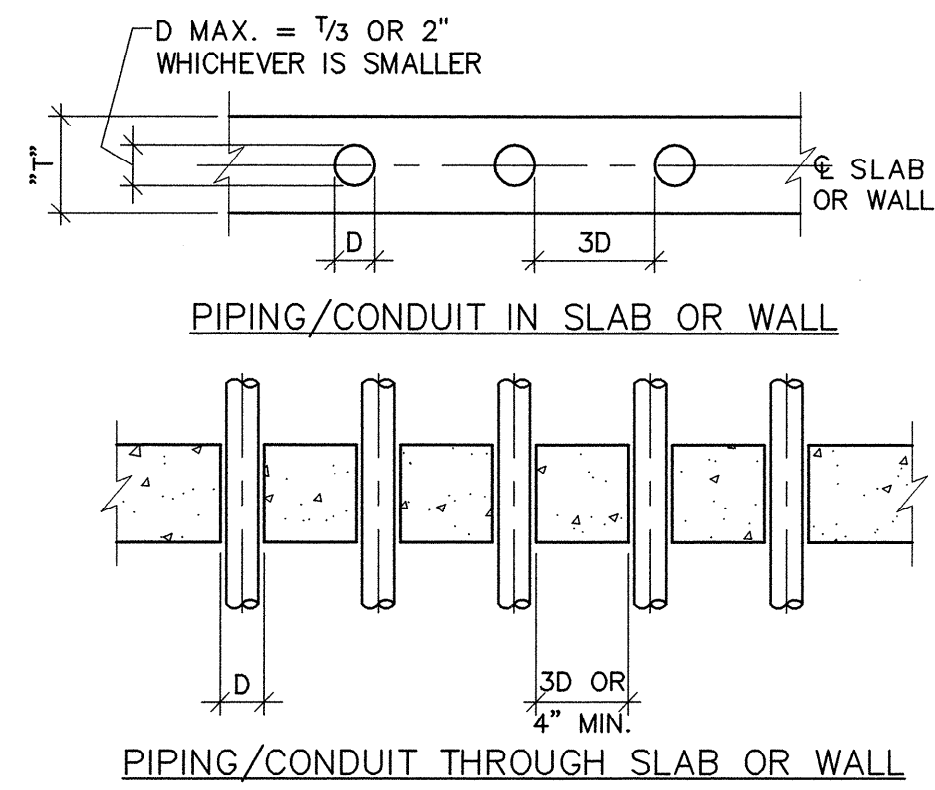
- ROOF FRAMING NOTES:**
- SEE GENERAL NOTES ON SHEET S1.0.
 - ROOF ELEVATION VARIES. S. A. D. FOR T. O. ROOF ELEVATIONS AND SLOPES, TOP OF PLATE ELEVATIONS, OVERHANG DIMENSIONS ETC.
 - EXTERIOR WALLS SHALL HAVE 1/2" PLYWOOD SHEATHING ON EXTERIOR FACE OF STUDS, UNLESS OTHERWISE NOTED. SEE S1.0 FOR PLYWOOD TYPE.
 - FOR ROOF DRAINS, OPENINGS, FACIA DETAILS, ETC., SEE DRAWINGS OTHER THAN STRUCTURAL.
 - SEE SHEETS SB.1 AND SB.2 FOR TYPICAL WOOD DETAILS.
 - (6) SB.1 DENOTES HEADER ABOVE OPENING, SEE (6) SB.1 FOR HEADER SCHED., UON.
 - SEE (6) SB.2 FOR ROOF TRUSS NOTES.
 - (8) SB.2 DENOTES TRUSS BOTTOM CHORD BRIDGING AT 10'-0" OC

FILE: P:\06proj\06B121 MVC Wine SB Drawings\Structural\06B121S22.dwg at 16:24
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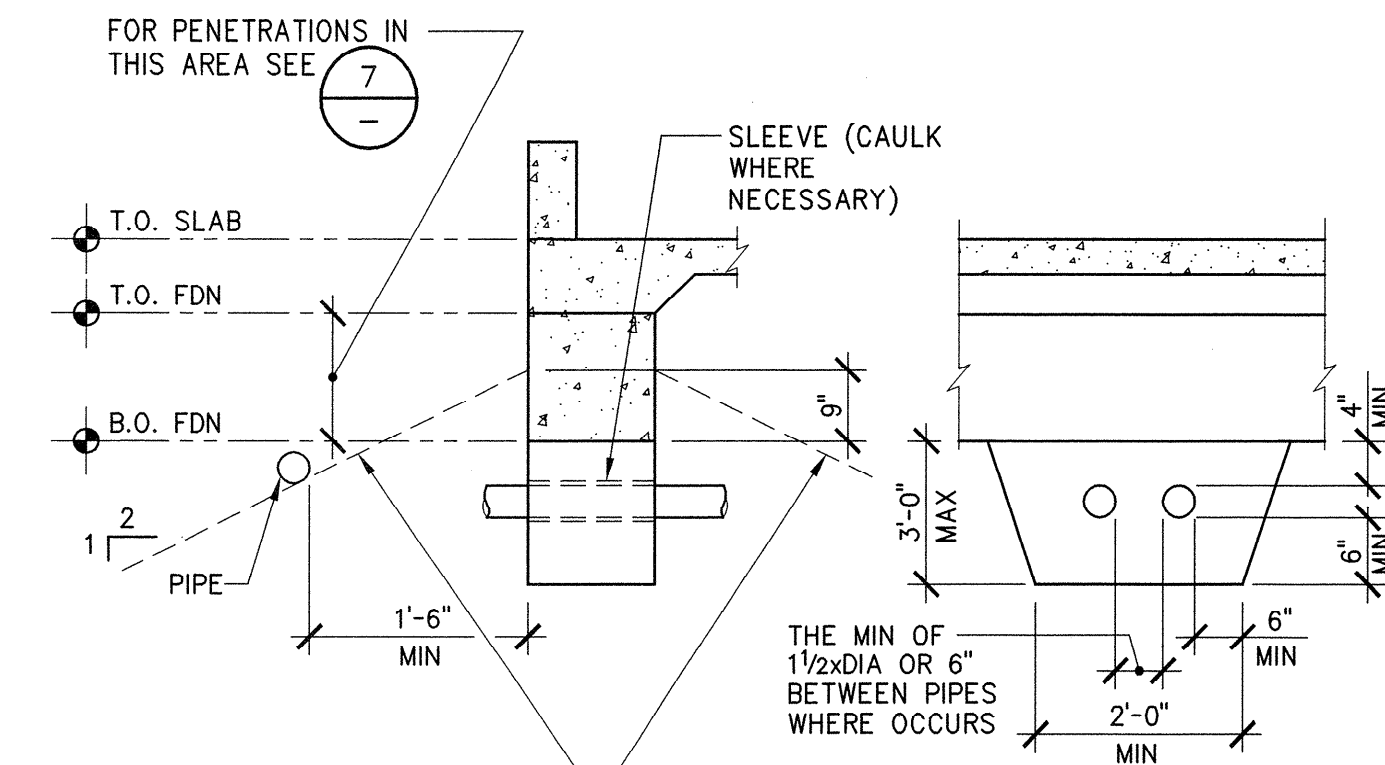
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10 BEAMS AND GRADE BEAMS CONSTRUCTION JOINTS



7 PIPING AND CONDUIT IN OR THROUGH SLAB OR WALL



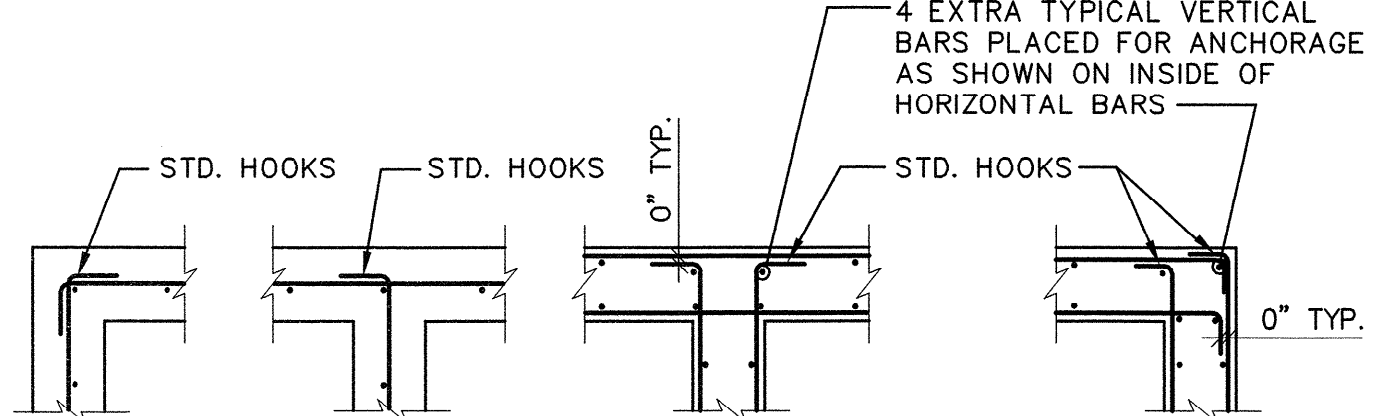
4 PIPE CLEARANCES AT CONTINUOUS FOUNDATIONS

BAR SIZE	MAIN REINFORCEMENT			STIRRUPS & TIES		
	90° HOOK LENGTH "L"	INSIDE DIA. "D1"	180° HOOK LENGTH "L"	90° HOOK LENGTH "L"	INSIDE DIA. "D2"	135° HOOK LENGTH "L"
#3	4 1/2"	2 1/4"	2 1/2"	3"	1 1/2"	3"
#4	6"	3"	2 1/2"	3"	2"	3"
#5	7 1/2"	3 3/4"	2 1/2"	3 3/4"	2 1/2"	3 3/4"
#6	9"	4 1/2"	3"	9"	4 1/2"	4 1/2"
#7	10 1/2"	5 1/4"	3 1/2"	10 1/2"	5 1/4"	5 1/4"
#8	1'-0"	6"	4"	1'-0"	6"	6"
#9	1'-1 1/2"	9 1/2"	4 1/2"	-	-	-
#10	1'-3 1/4"	10 3/4"	5 1/4"	-	-	-
#11	1'-5"	1'-0"	5 3/4"	-	-	-

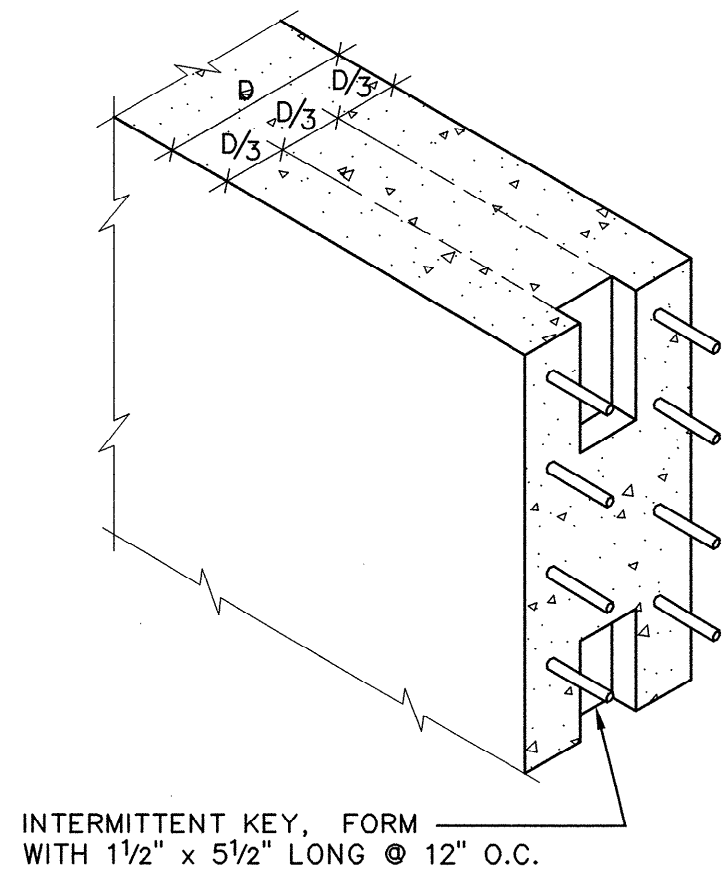
1 STANDARD HOOKS

CONCRETE STRENGTH CLASS OF LAP SPLICE	F'c = 3000 PSI				F'c = 4000 PSI			
	CLASS "A"	CLASS "B"	CLASS "A"	CLASS "B"	CLASS "A"	CLASS "B"	CLASS "A"	CLASS "B"
BAR CASE SIZE	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS
#3	1'-10"	1'-5"	2'-4"	1'-10"	1'-7"	1'-3"	2'-1"	1'-7"
#4	2'-5"	1'-10"	3'-1"	2'-5"	2'-1"	1'-7"	2'-9"	2'-1"
#5	3'-0"	2'-4"	3'-11"	3'-0"	2'-7"	2'-0"	3'-5"	2'-7"
#6	3'-7"	2'-9"	4'-8"	3'-3"	3'-1"	2'-5"	4'-1"	3'-1"
#7	5'-3"	4'-0"	6'-9"	5'-2"	4'-6"	3'-6"	5'-11"	4'-6"
#8	6'-0"	4'-7"	7'-9"	6'-0"	5'-2"	4'-0"	6'-9"	5'-2"
#9	6'-9"	5'-2"	8'-9"	6'-9"	5'-10"	4'-6"	7'-7"	5'-10"
#10	7'-7"	5'-10"	9'-10"	7'-7"	6'-7"	5'-1"	8'-6"	6'-7"

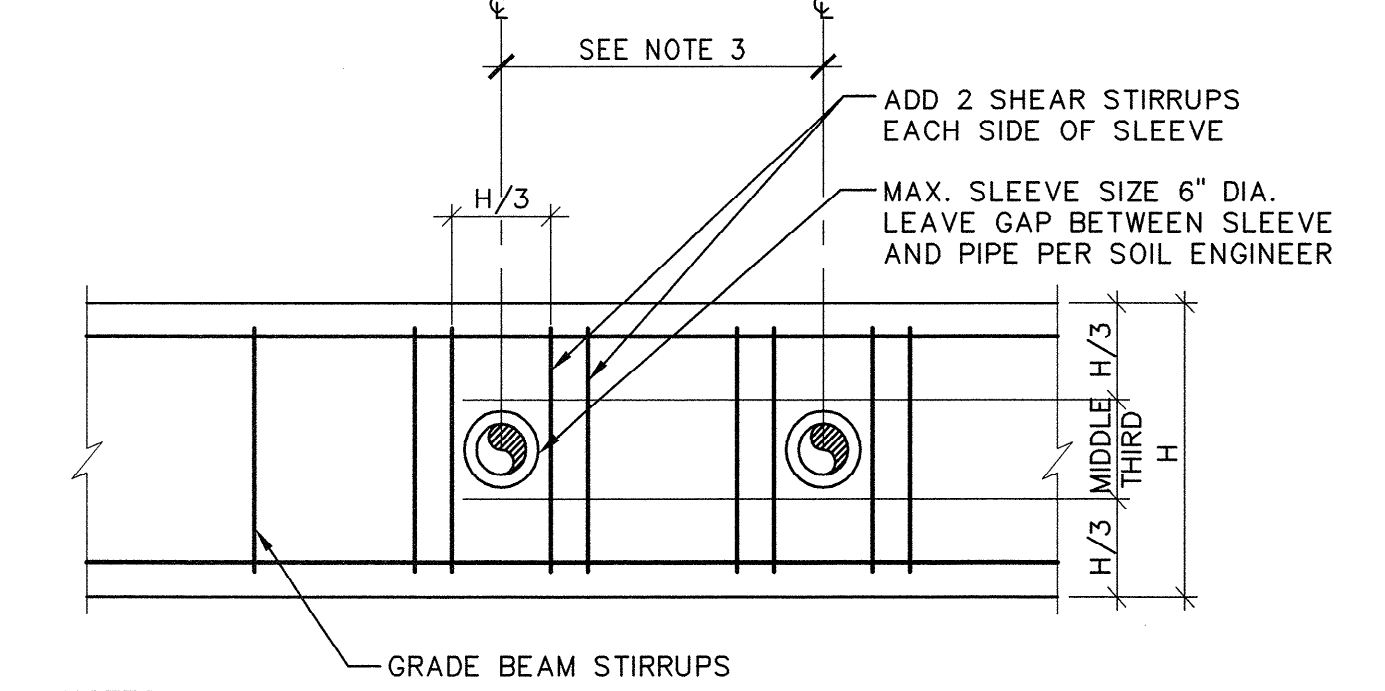
- NOTES:**
- UNLESS INDICATED OTHERWISE, USE THE CLASS "B" LAP SPLICE LENGTHS, MULTIPLIED BY THE APPLICABLE FACTOR(S) LISTED BELOW.
 - WHERE THE CLEAR SPACING OF BARS BEING SPICED IS LESS THAN 2 BAR DIAMETERS, INCREASE THE LAP LENGTH BY 50%.
 - WHERE THE BAR COVER IS LESS THAN OR EQUAL TO THE BAR DIAMETER, INCREASE THE LAP LENGTH BY 50%.
 - A CLASS "A" SPLICE MAY BE USED ONLY WHERE NOTED ON THE DRAWINGS.
 - TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12 INCHES OF CONCRETE CAST BELOW THE BARS.
 - WHERE LIGHTWEIGHT AGGREGATE CONCRETE IS USED, INCREASE LAP SPLICE LENGTH BY 30%.
 - SPLICES OF HORIZONTAL REINFORCEMENT IN WALLS SHALL BE STAGGERED.
 - SPLICES OF HORIZONTAL REINFORCEMENT IN WALLS CONTAINING TWO CURTAINS OF REINFORCEMENT SHALL NOT OCCUR IN THE SAME LOCATION.
 - IN SHOTCRETE WALLS SPLICING IN REINFORCING BARS SHALL BE BY THE NON-CONTACT LAP SPLICE METHOD WITH AT LEAST 2 INCHES CLEARANCE BETWEEN BARS. THE BUILDING OFFICIAL MAY PERMIT THE USE OF CONTACT LAP SPLICES WHEN NECESSARY FOR THE SUPPORT OF THE REINFORCING PROVIDED IT CAN BE DEMONSTRATED BY MEANS OF PRE-CONSTRUCTION TESTING, THAT ADEQUATE ENCASEMENT OF THE BARS AT THE SPLICE CAN BE ACHIEVED, AND PROVIDED THAT THE SPLICED BARS IS PERPENDICULAR TO THE SURFACE OF THE SHOTCRETE WORK.



11 CONCRETE WALL AND FOOTING INTERSECTIONS

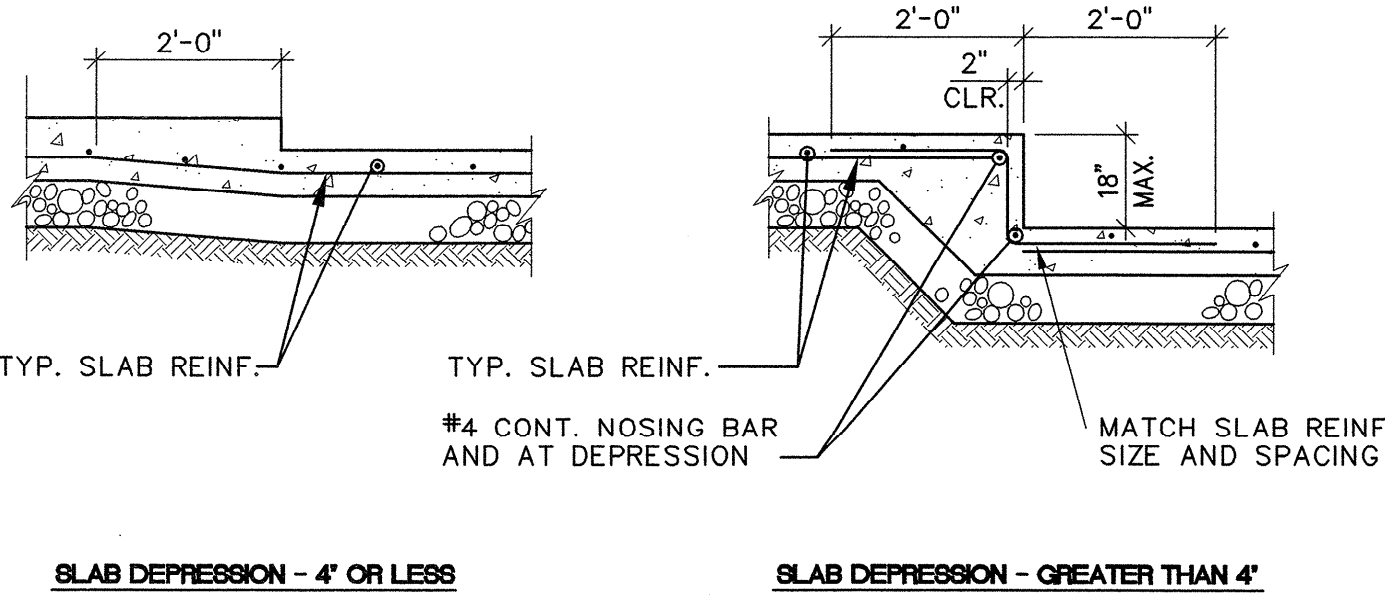


8 VERTICAL CONSTRUCTION JOINT IN CONCRETE WALL

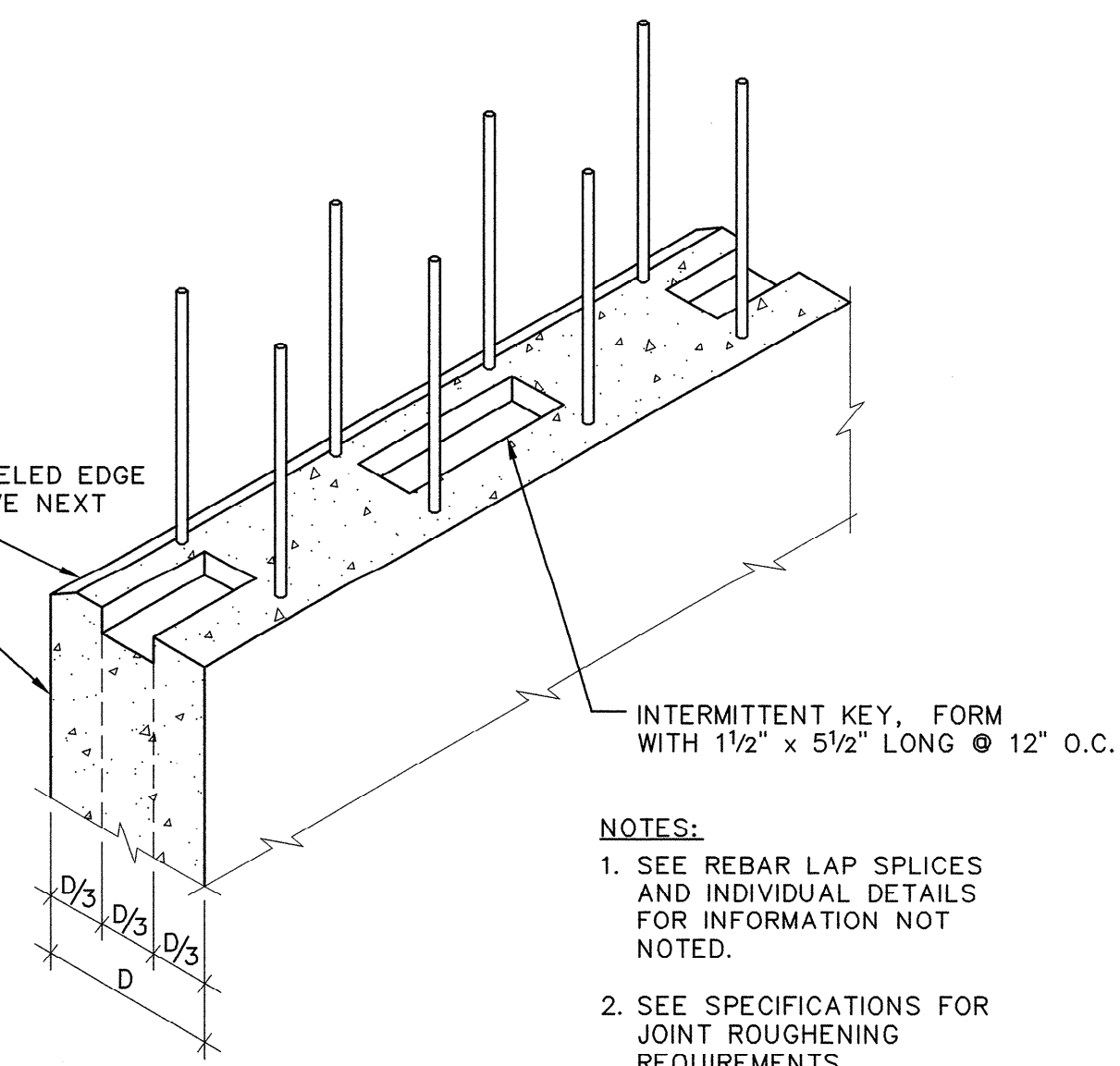


- NOTES:**
- DO NOT CUT REINFORCING.
 - SLEEVE TO BE PLACED IN MIDDLE THIRD OF BEAM DEPTH.
 - MINIMUM DISTANCE BETWEEN SLEEVES SHALL BE 4X LARGEST SLEEVE DIAMETER.
 - PROVIDE MIN. 2" CLR BETWEEN SLEEVE AND REINFORCING.
 - CAULK SEAL GAP AT PIPE/SLEEVE INTERFACE ON EXTERIOR SIDE OF FOOTING.
 - SEE (b) & (c) WHERE PIPE SLEEVE OCCURS BELOW MIDDLE THIRD.

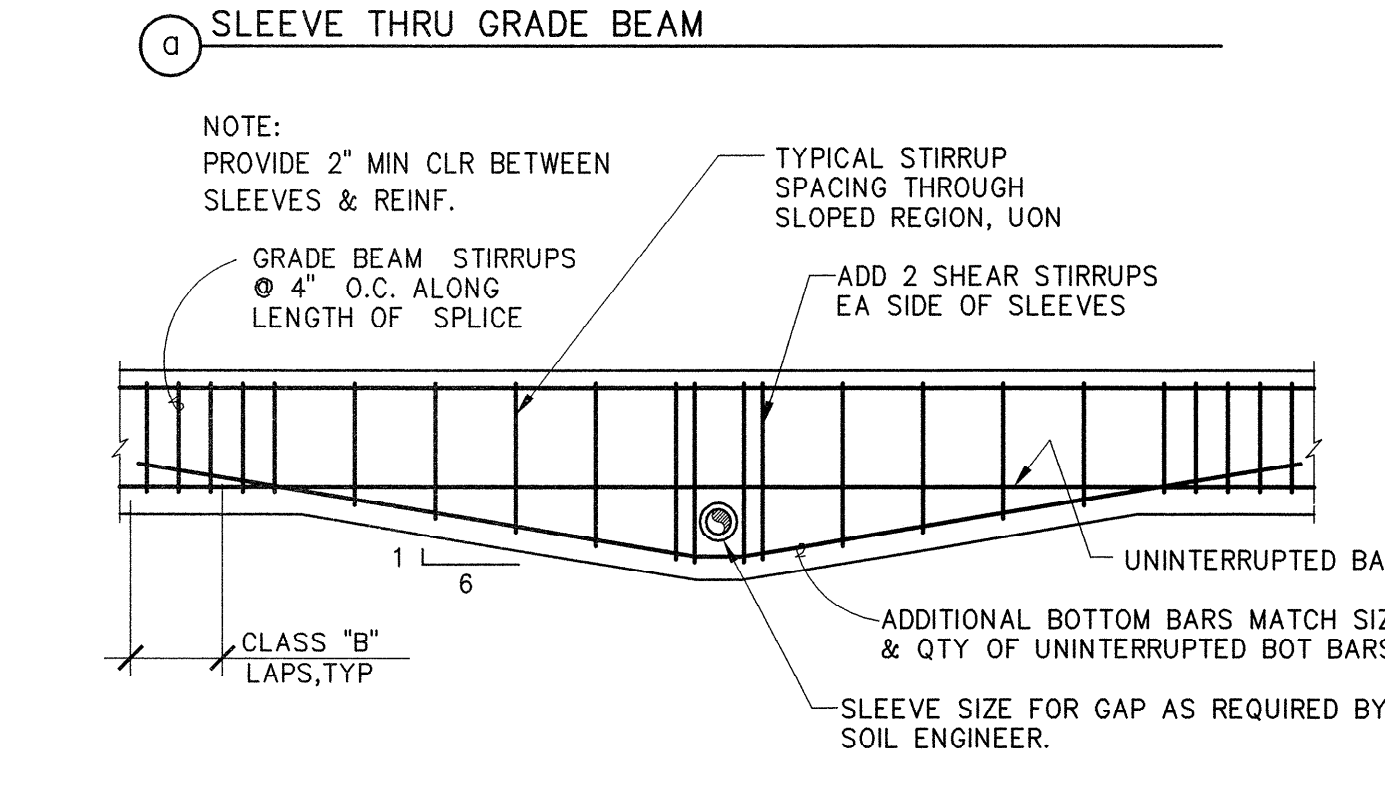
(a) SLEEVE THRU GRADE BEAM



12 SLAB-ON-GRADE DEPRESSION



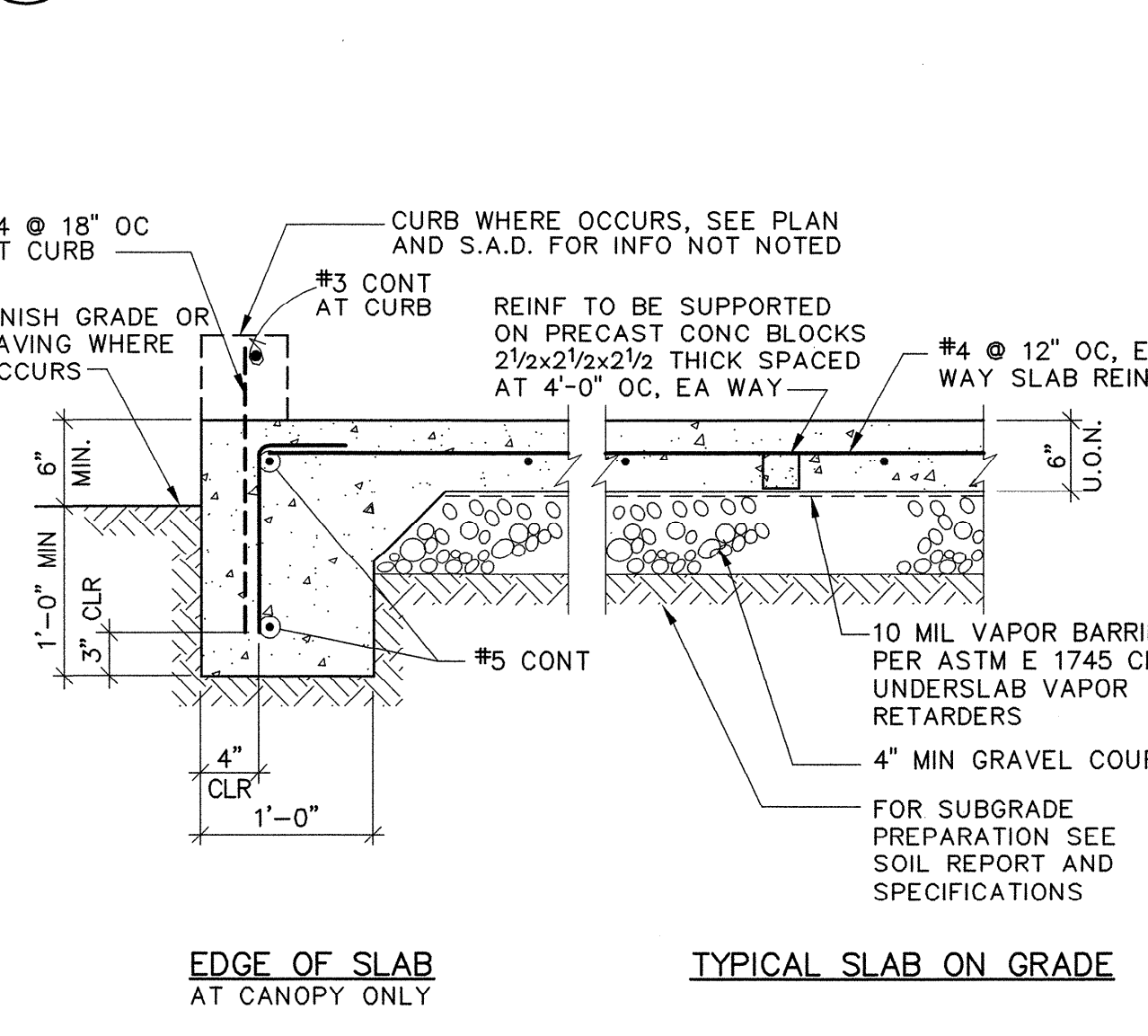
9 HORIZONTAL CONSTRUCTION JOINT IN CONCRETE WALL



- (b) SLEEVES OCCUR BELOW BOTTOM REINF**
- (c) SLEEVES INTERRUPT BOTTOM REINF**

6 SLEEVE THRU GRADE BEAM

2 REBAR OFFSET AND LAP SPLICE

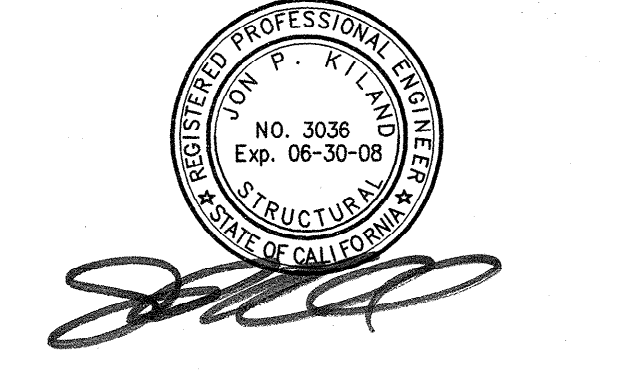


3 SLAB-ON-GRADE DETAILS

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WINE STORAGE BUILDING

2277 NAPA-VALLEJO HWY. NAPA, CA 94558

NAPA COMMUNITY COLLEGE DISTRICT
 NAPA, CALIFORNIA

PROJECT NUMBER: 05067.00
 DATE: March 2, 2007
 DRAWN BY: PIL
 CHECKED BY: CD
 REVISIONS:
 March 2, 2007 Plan Check Revisions

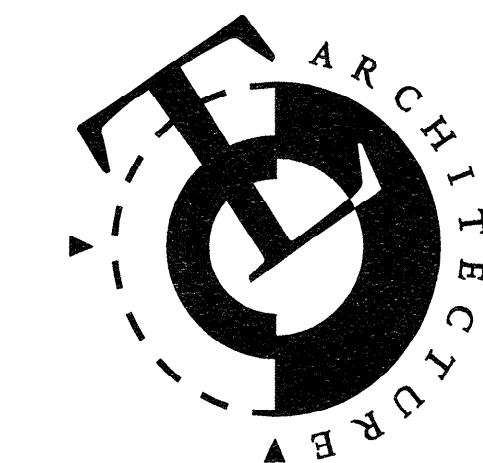
TYPICAL CONCRETE DETAILS

S5.1

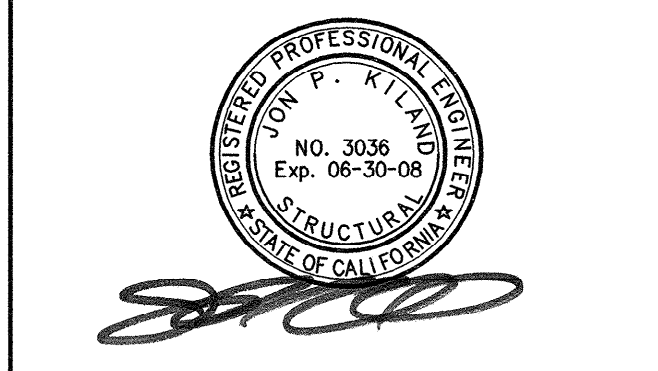
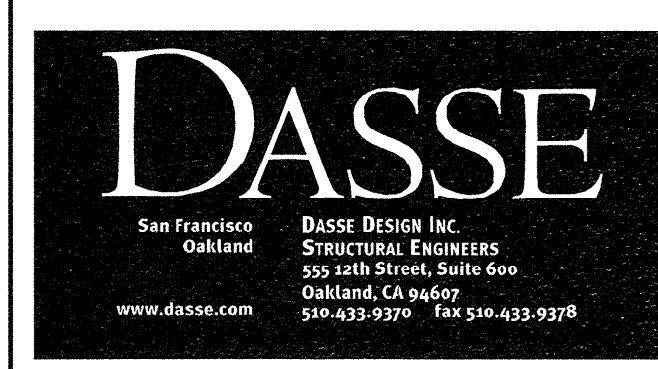
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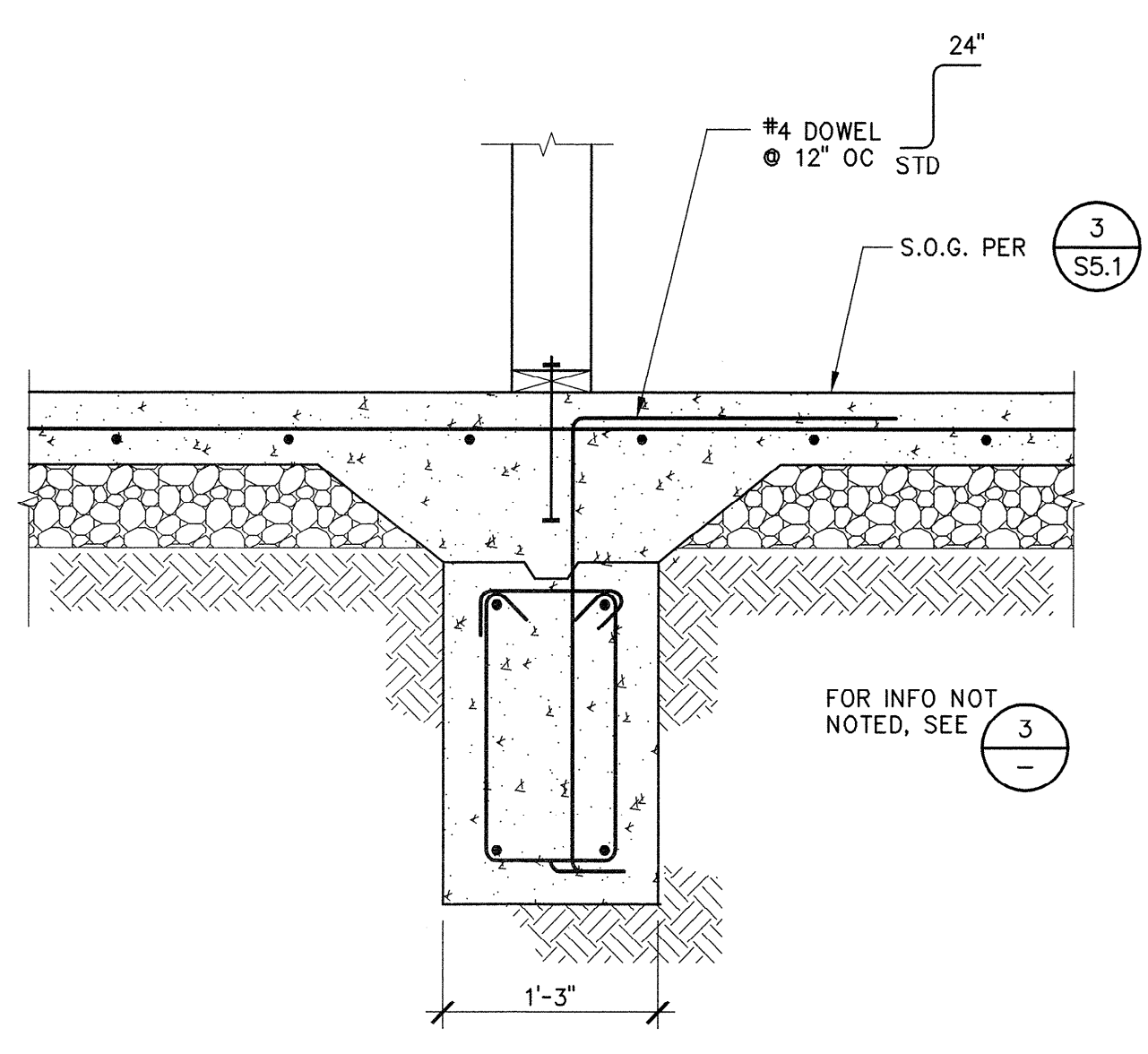
WINE STORAGE BUILDING
 2277 NAPA-VALLEJO HWY. NAPA, CA 94558
 NAPA COMMUNITY COLLEGE DISTRICT
 NAPA, CALIFORNIA

PROJECT NUMBER: 05067.00
 DATE: March 2, 2007
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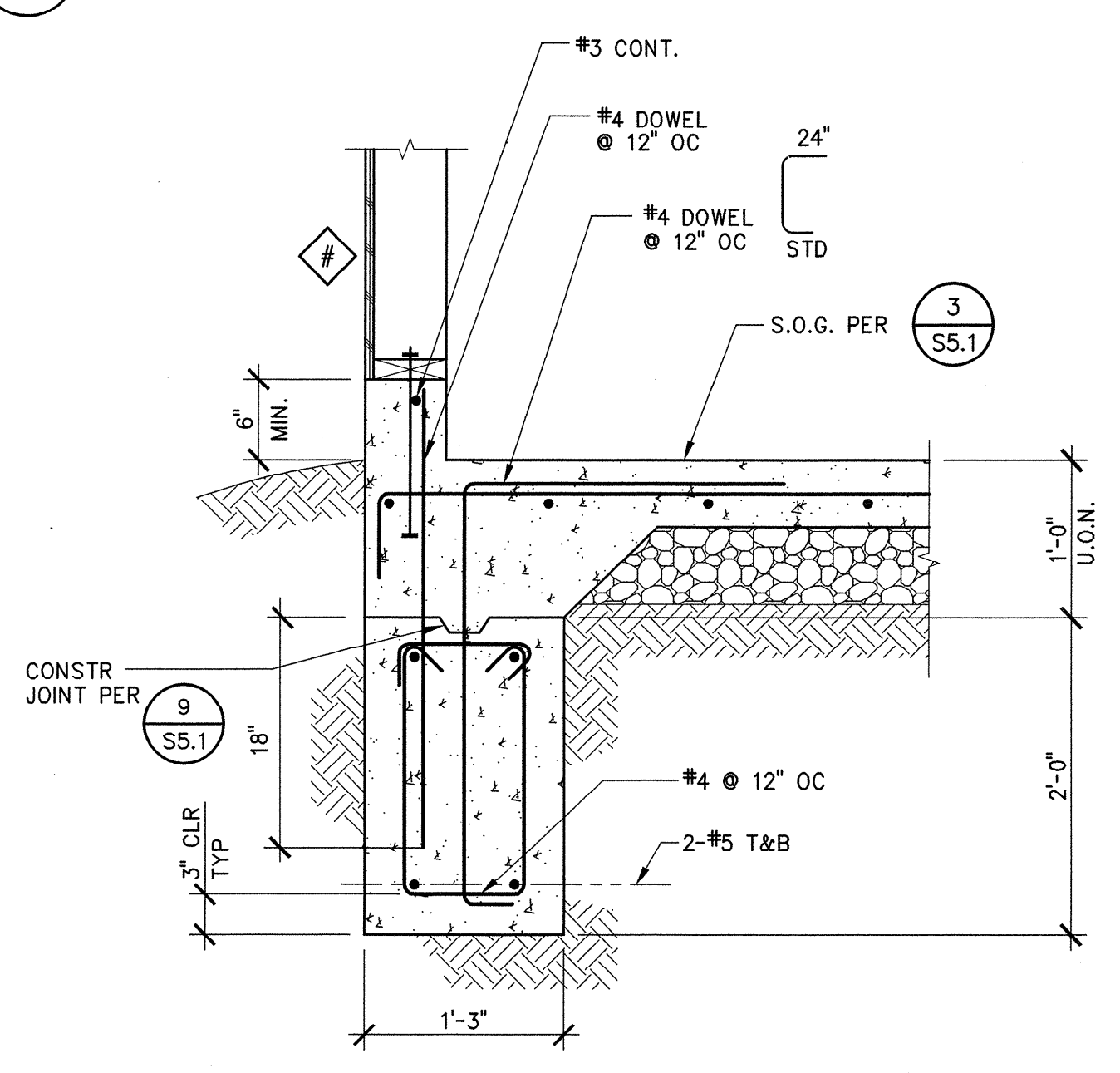
CONCRETE DETAILS

S5.2

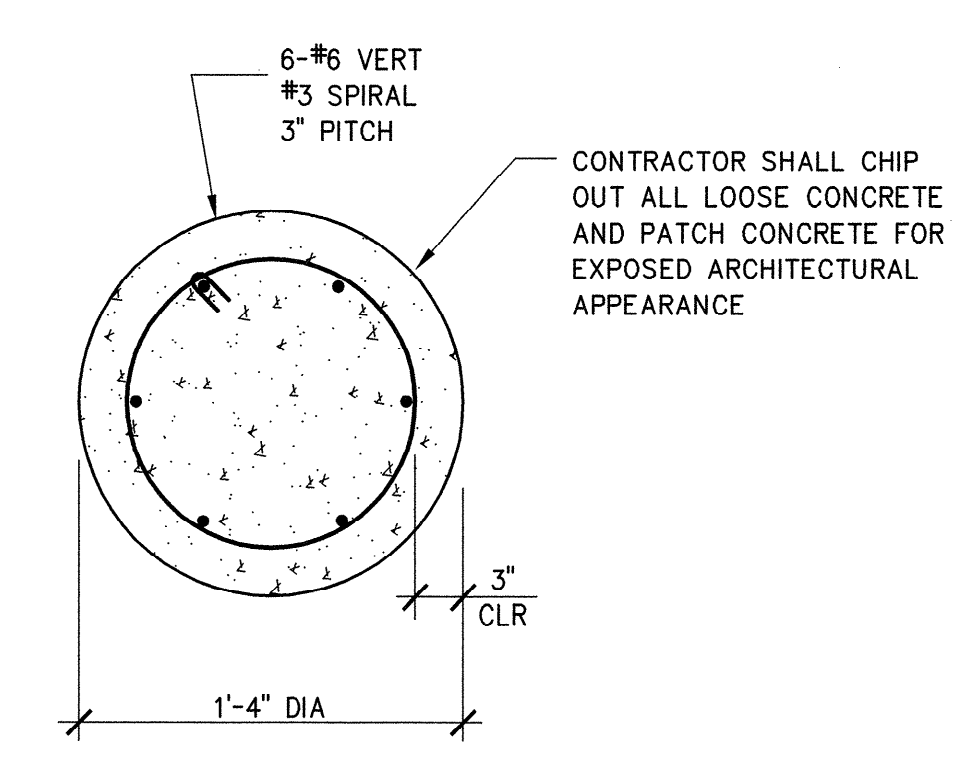
6 INTERIOR WALL FOOTING 1"=1'-0"

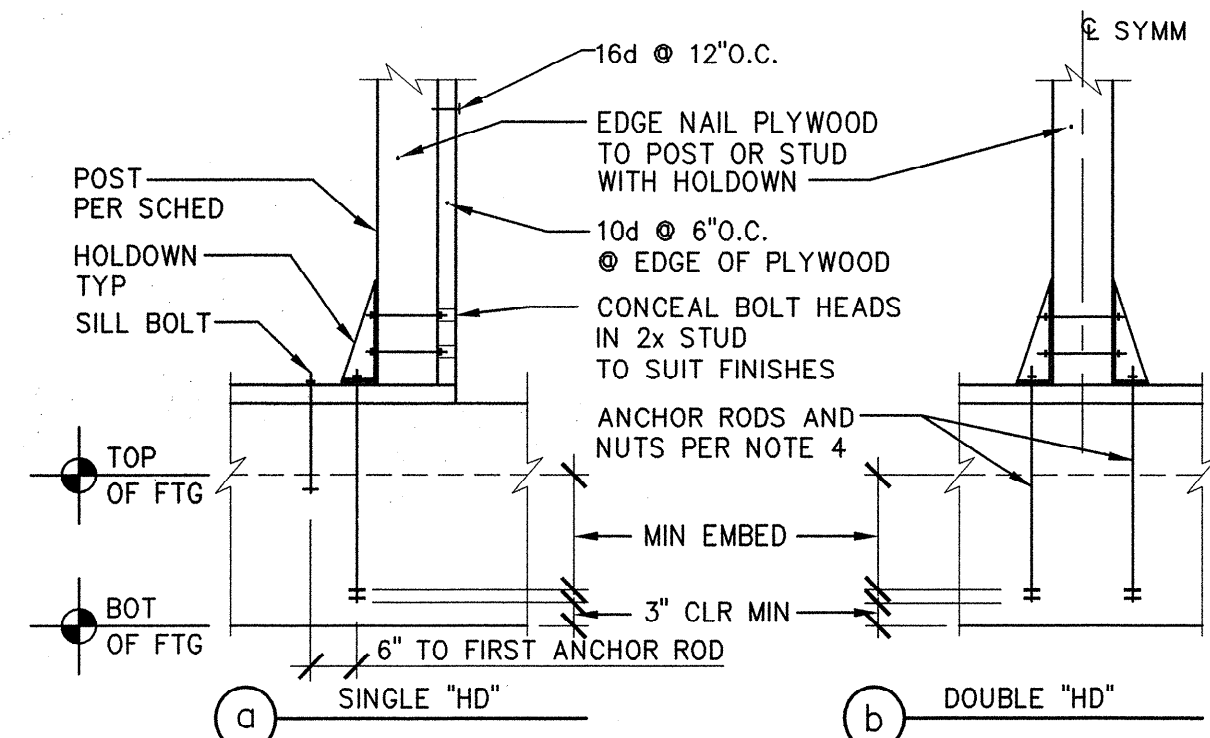


3 EXTERIOR WALL FOOTING 1"=1'-0"



2 CONCRETE COLUMN/DRILLED PIER 1"=1'-0"





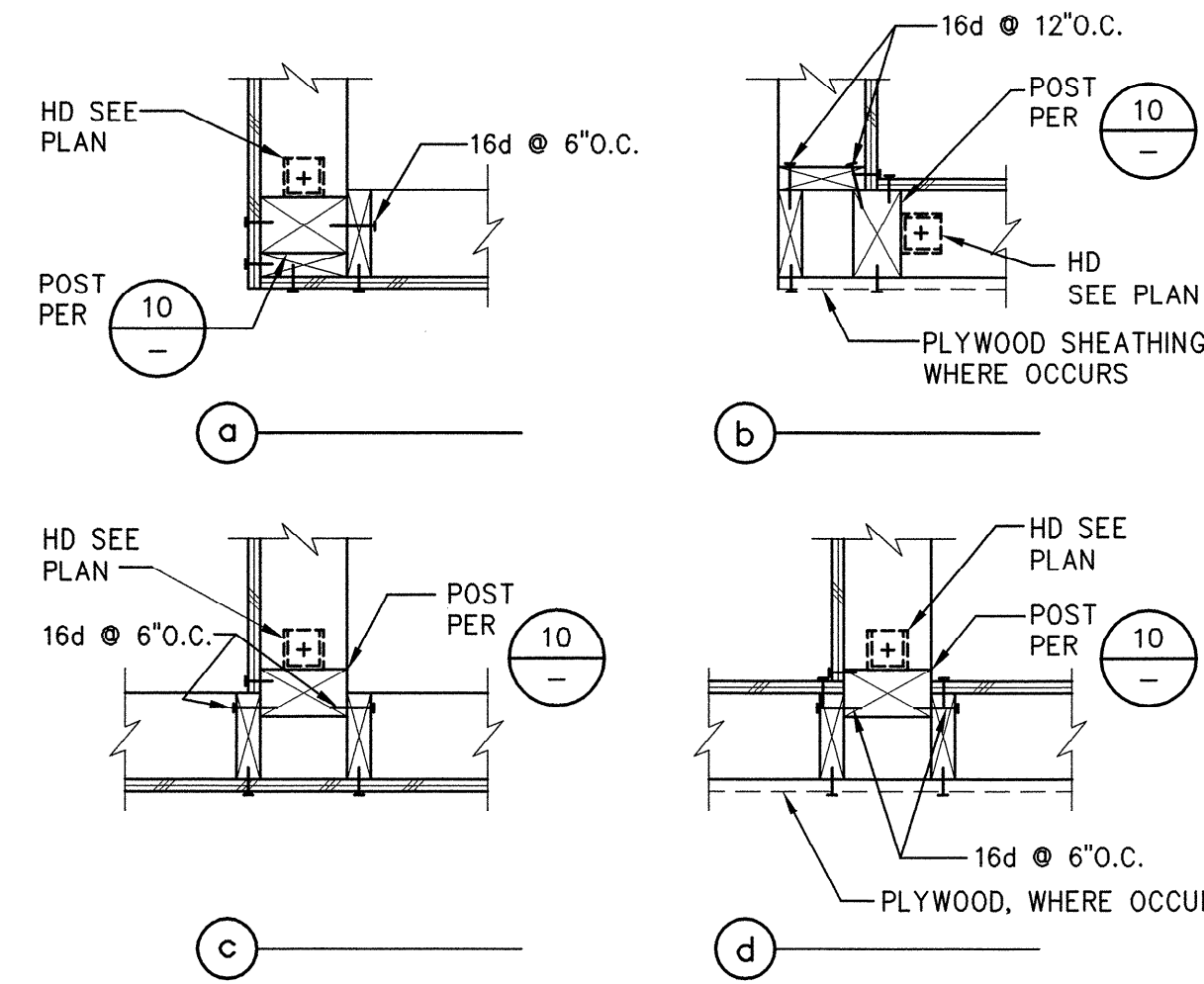
MARK	HOLDOWN	MIN POST SIZE	ANCHOR ROD MIN DIA	ANCHOR ROD MIN EMBED
HD1	HD-2A	4x SW	5/8"	12"
HD2	HD-6A	4x SW	7/8"	12"

SW = STUD WIDTH

- NOTES:
- SEE PLAN FOR SIZES & LOCATIONS OF HOLDDOWNS.
 - SIMPSON DESIGNATIONS USED.
 - FOLLOW ALL MANUFACTURER'S GUIDELINES NECESSARY TO ACHIEVE FULL ICB DESIGN VALUES.
 - ANCHOR RODS FOR HOLDDOWNS SHALL BE HEADED OR DOUBLE NUTTED IN CONCRETE

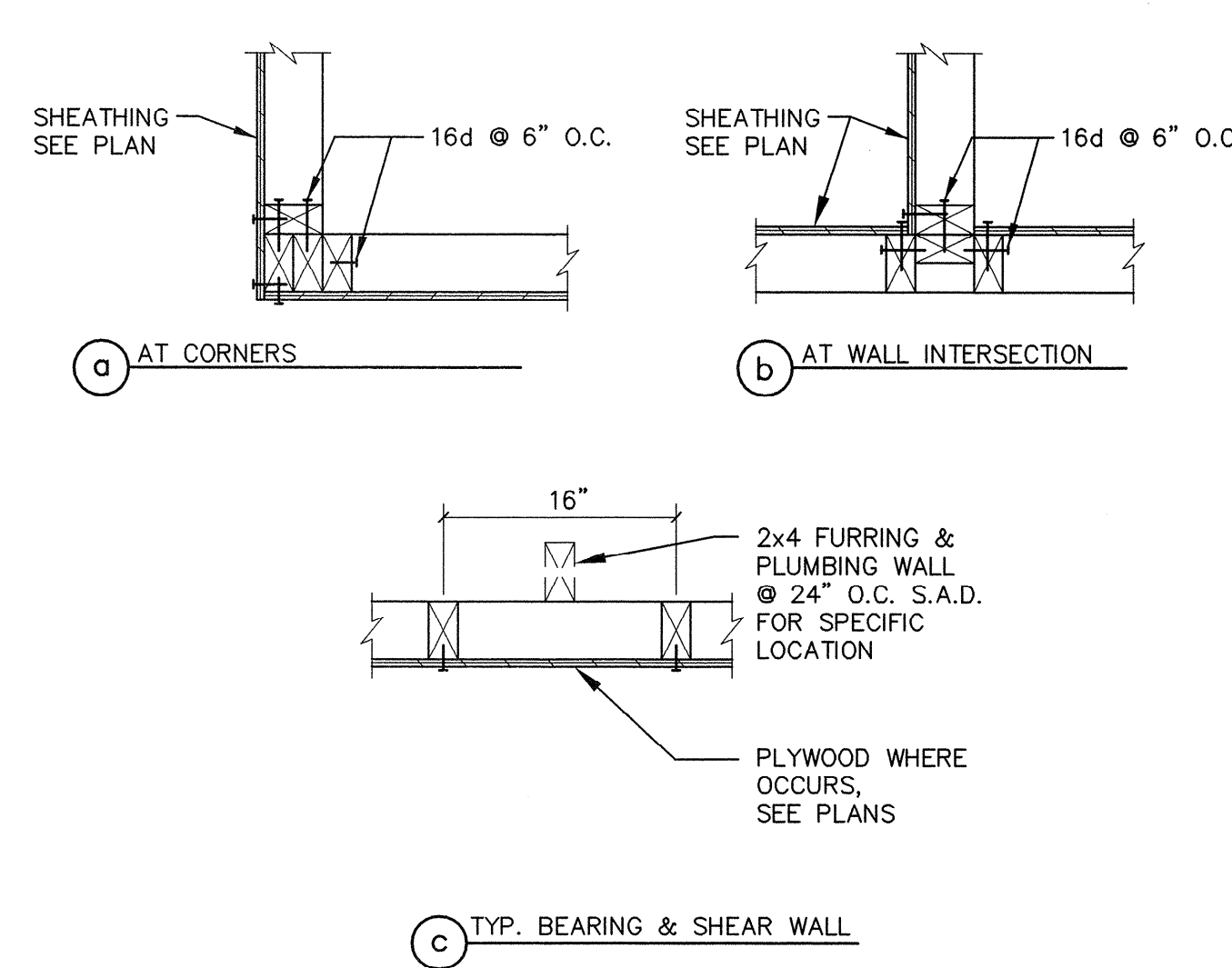
10 HOLDDOWN AT FOUNDATION

3/4"=1'-0"

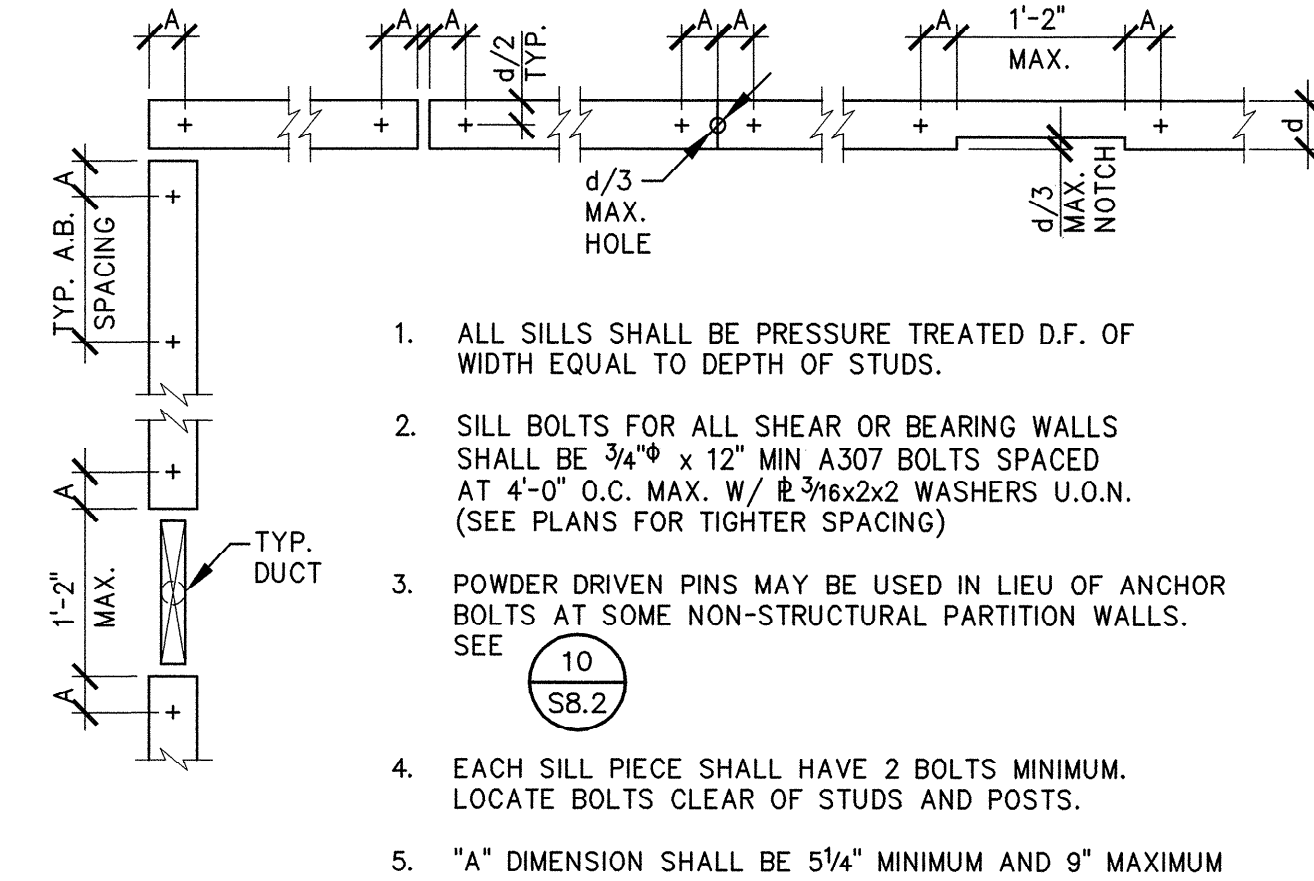


NOTE: ALL NAILING SHOWN TO BE PLYWOOD SHEAR WALL E.N., U.O.N.

7 SHEAR WALL INTERSECTIONS

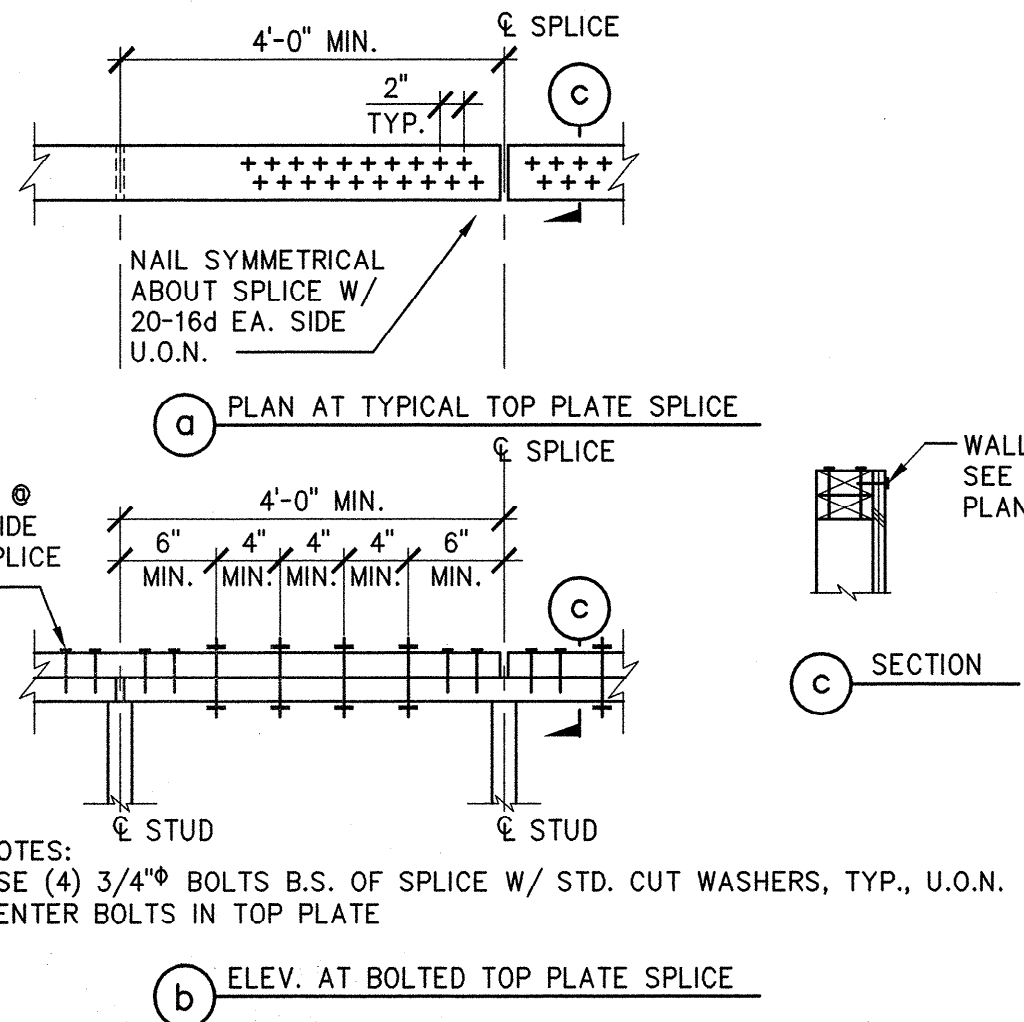


4 STUD CONFIGURATIONS



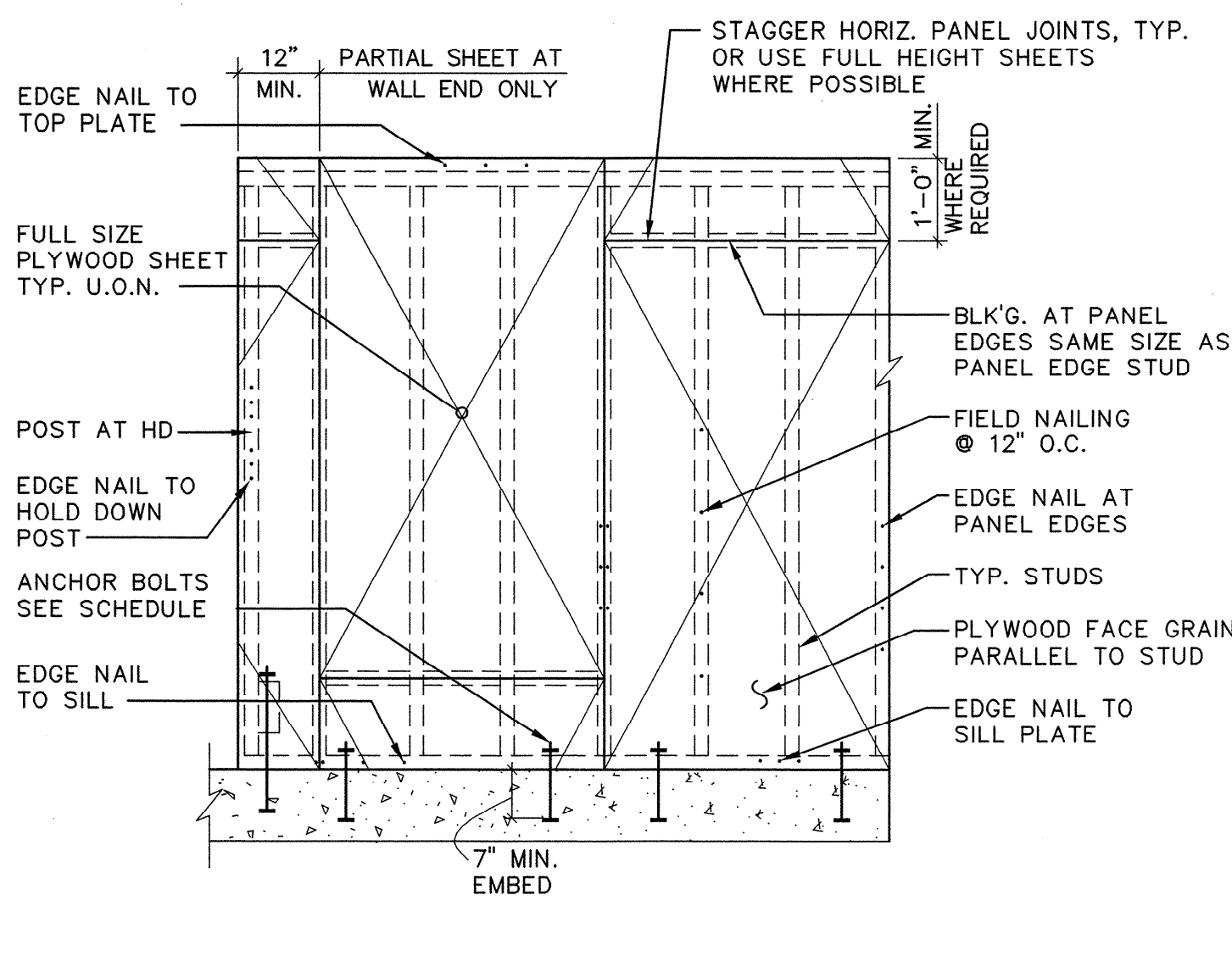
- ALL SILLS SHALL BE PRESSURE TREATED D.F. OF WIDTH EQUAL TO DEPTH OF STUDS.
- SILL BOLTS FOR ALL SHEAR OR BEARING WALLS SHALL BE 3/4" x 12" MIN A307 BOLTS SPACED AT 4'-0" O.C. MAX. W/ 2x16x2x2 WASHERS U.O.N. (SEE PLANS FOR TIGHTER SPACING)
- POWDER DRIVEN PINS MAY BE USED IN LIEU OF ANCHOR BOLTS AT SOME NON-STRUCTURAL PARTITION WALLS. SEE SB-2
- EACH SILL PIECE SHALL HAVE 2 BOLTS MINIMUM. LOCATE BOLTS CLEAR OF STUDS AND POSTS.
- "A" DIMENSION SHALL BE 5/4" MINIMUM AND 9" MAXIMUM

1 ANCHOR BOLT AND SILL PLATE



- NOTES:
- USE (4) 3/4" BOLTS B.S. OF SPLICE W/ STD. CUT WASHERS, TYP., U.O.N. CENTER BOLTS IN TOP PLATE

11 TOP PLATE SPLICE



NOTE: NAILING TO PT SILL TO BE GALVANIZED.

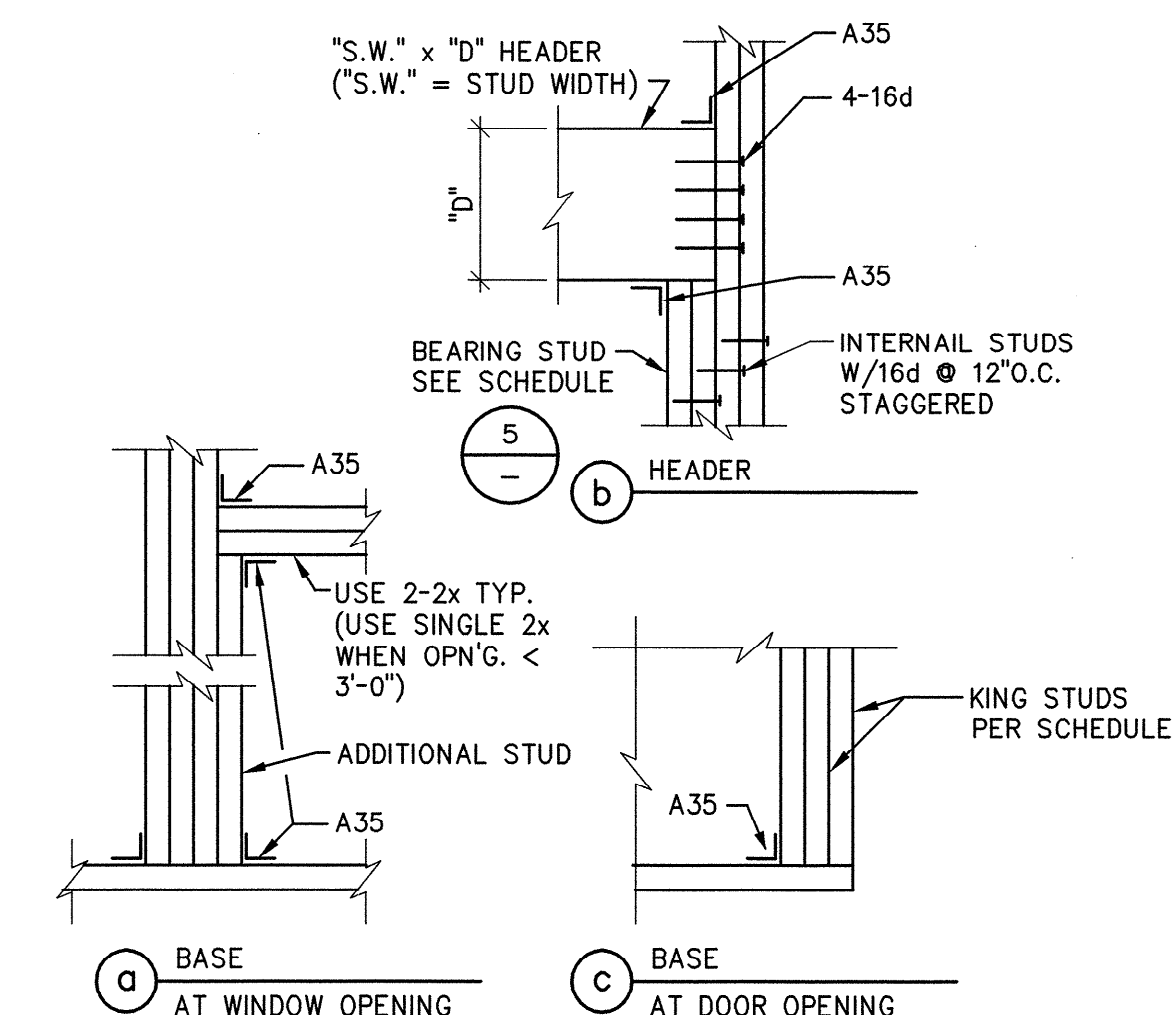
8 SHEAR WALL FRAMING ELEVATION

1/2"=1'-0"

OPENING WIDTH "W" MIN.	"D" U.O.N.	NO. OF BEARING STUDS REQ'D.	NO. OF KING STUDS REQ'D.
W < 5'-0"	7 1/4"	1	1
5'-0" < W < 7'-0"	9 1/4"	2	2
7'-0" < W < 10'-0"	11 1/4"	2	3
≥ 10'-0"	SEE PLANS	SEE (2)	3

- NOTES:
- SIZE DOOR AND WINDOW HEADERS PER ABOVE SCHEDULE U.O.N. ON PLANS.
 - AT HD, USE POST PER DETAIL 11 ON THIS SHEET IN LIEU OF KING STUDS. ADD KING STUD TO HD POST IF REQUIRED, SO THAT WIDTH OF STUD & POST IS AT LEAST THE WIDTH OF KING STUDS REQUIRED PER SCHEDULE.

5 HEADER SCHEDULE

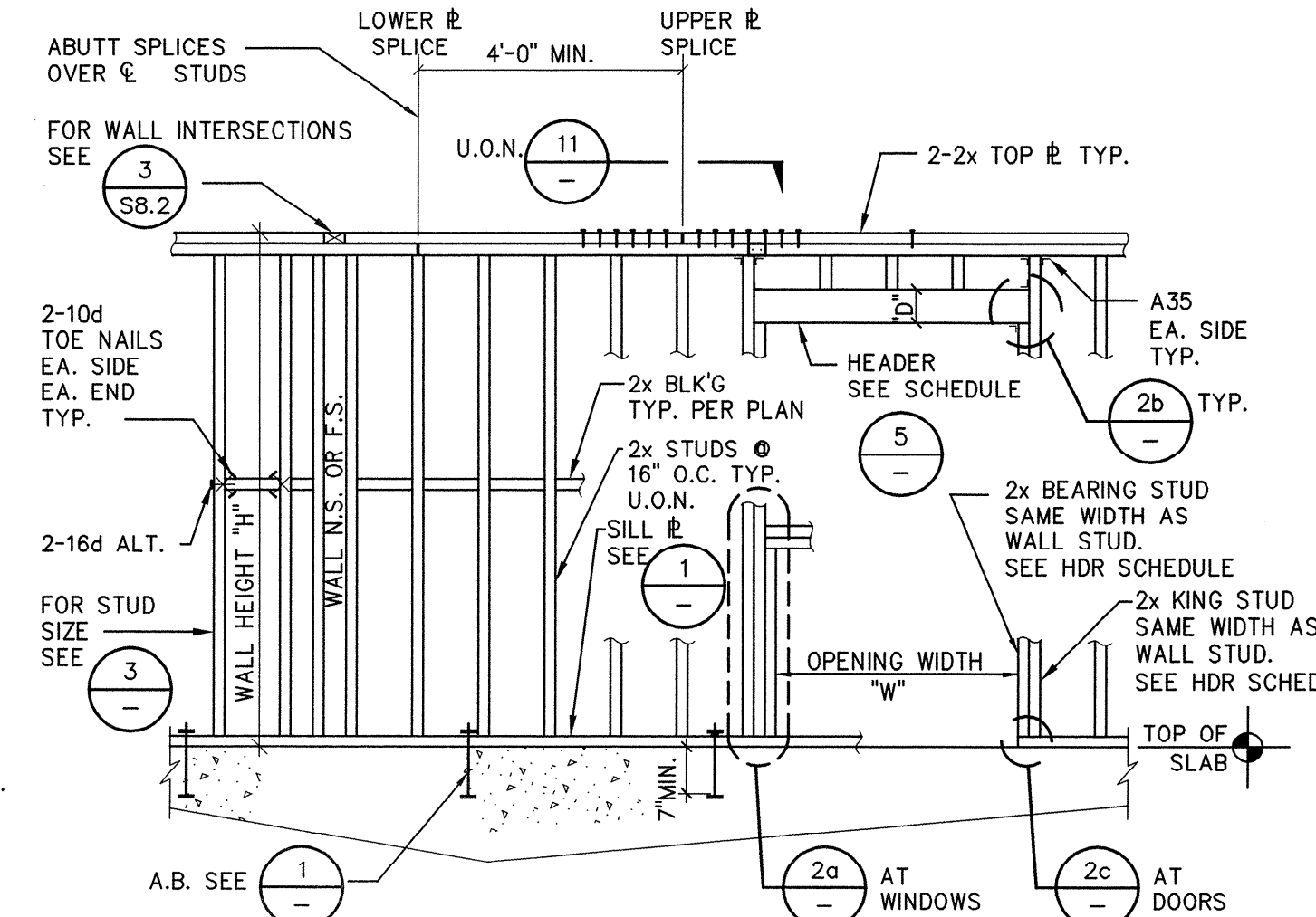


2 WALL OPENING

SHEAR WALL SCHEDULE			
SHEAR WALL SYMBOL (1)(2)	ANCHOR BOLT	MUD SILL	SHEAR CLIP
(4)	3/4" @ 4'-0" O.C.	2x	A35 @ 16" O.C.
(4)	3/4" @ 2'-8" O.C.	3x	A35 @ 12" O.C.
(4)	3/4" @ 2'-0" O.C.	3x	A35 @ 8" O.C.

- NOTES:
- USE 10d SHORTS (2/8" LONG) COMMON WIRE NAILS U.O.N.
 - NUMBER SHOWN IN SYMBOL REPRESENTS PLYWOOD PANEL EDGE NAIL SPACING IN INCHES.
 - PROVIDE 3x FRAMING MEMBERS AT ALL PLYWOOD ADJOINING PANEL EDGES. STAGGER NAILS ON EACH SIDE OF STUD WHERE PLYWOOD IS ON BOTH SIDES.
 - USE LTP4 AS ALTERNATE TO A35 AND LS70 AS ALTERNATE TO L70 WHERE CLIP OCCURS EA SIDE U.O.N.
 - SEE DETAIL 1 ON THIS SHEET FOR ANCHOR BOLT AND SILL DETAIL.
 - PILOT DRILL HOLES FOR SILL PLATE NAILING OR BOLTING.

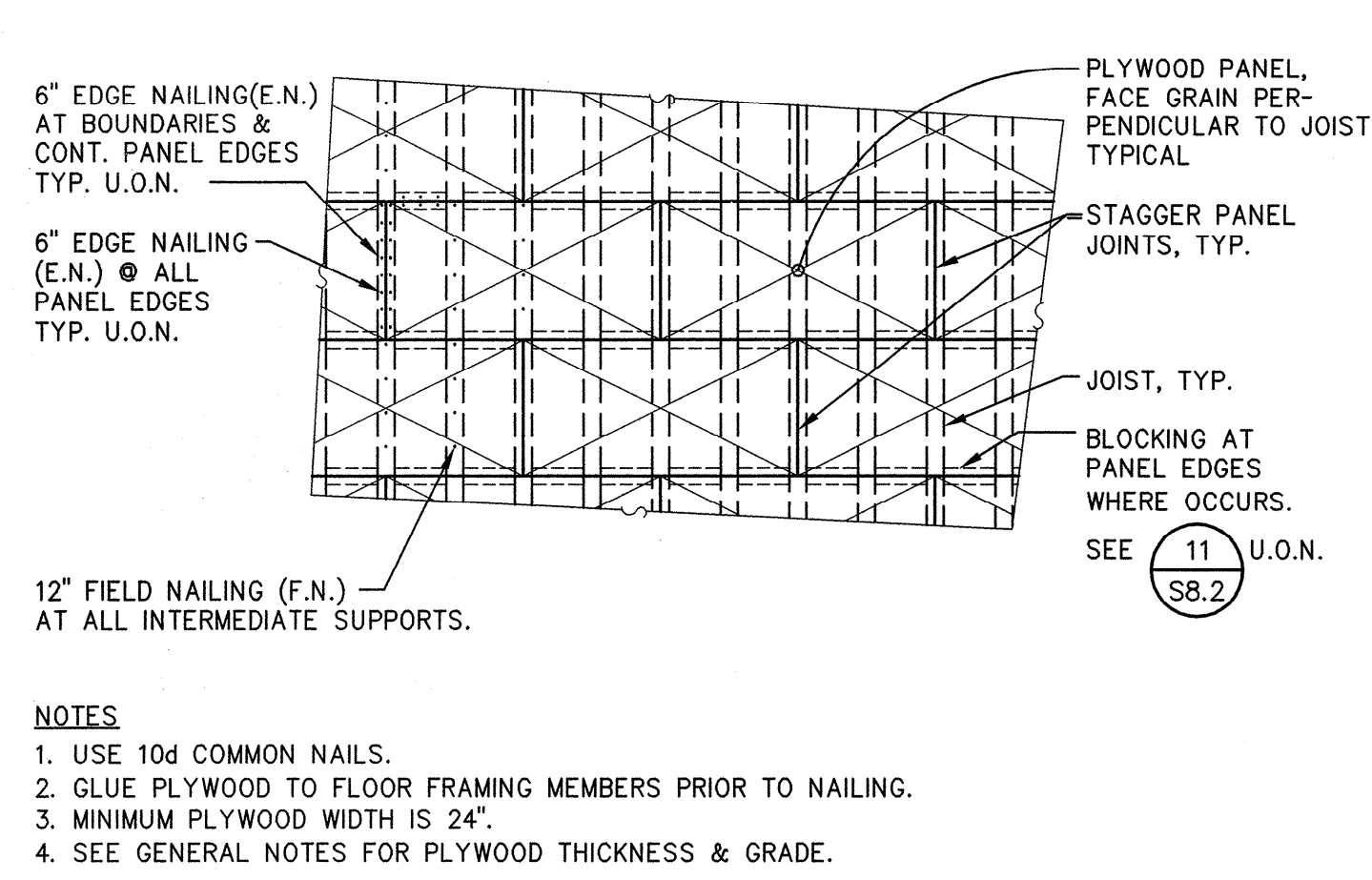
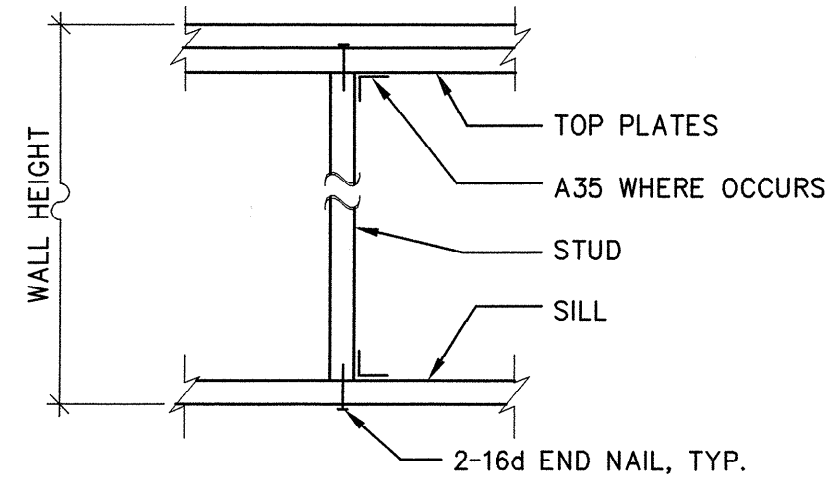
9 SHEAR WALL SCHEDULE



6 STRUCTURAL WALL FRAMING

STRUCTURAL WALL FRAMING SCHEDULE			
MAX. HEIGHT "H"	STUD SIZE	SPACING	REMARKS / CONNECTION
H ≤ 15'-0"	2x6	16" O.C.	TYP. WALL FRAMING U.O.N.
15'-0" < H ≤ 21'-0"	2x6	8" O.C.	TYP. WALL FRAMING U.O.N.

3 STRUCTURAL WALL FRAMING SCHEDULE



- NOTES:
- USE 10d COMMON NAILS.
 - GLUE PLYWOOD TO FLOOR FRAMING MEMBERS PRIOR TO NAILING.
 - MINIMUM PLYWOOD WIDTH IS 24".
 - SEE GENERAL NOTES FOR PLYWOOD THICKNESS & GRADE.

12 PLYWOOD SHEATHING AT ROOF

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WINE STORAGE BUILDING
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NAPA COMMUNITY COLLEGE DISTRICT
 NAPA, CALIFORNIA

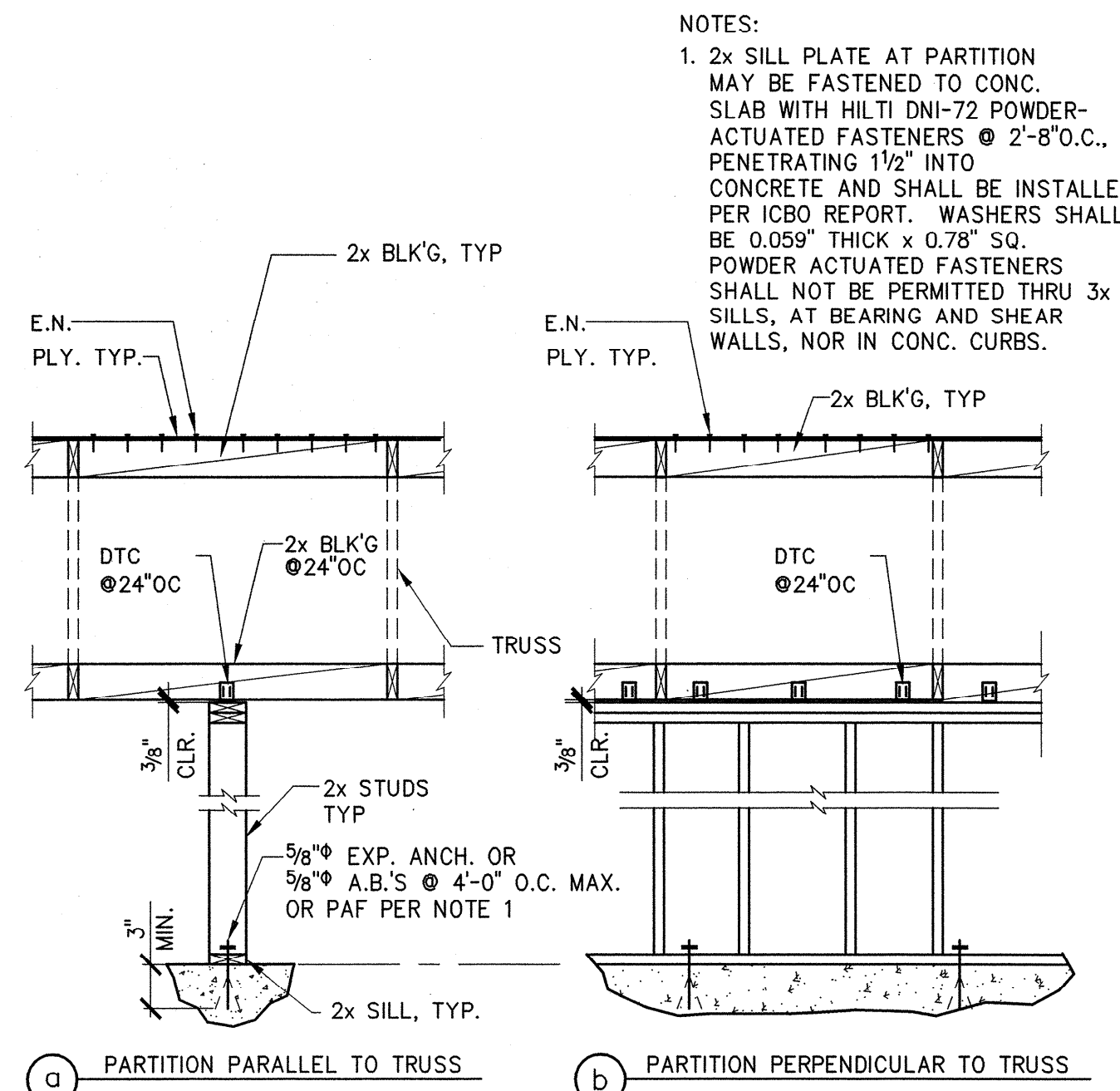
PROJECT NUMBER: 05067.00
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 REVISIONS:
 March 2, 2007 Plan Check Revisions

TYPICAL WOOD DETAILS

S8.1

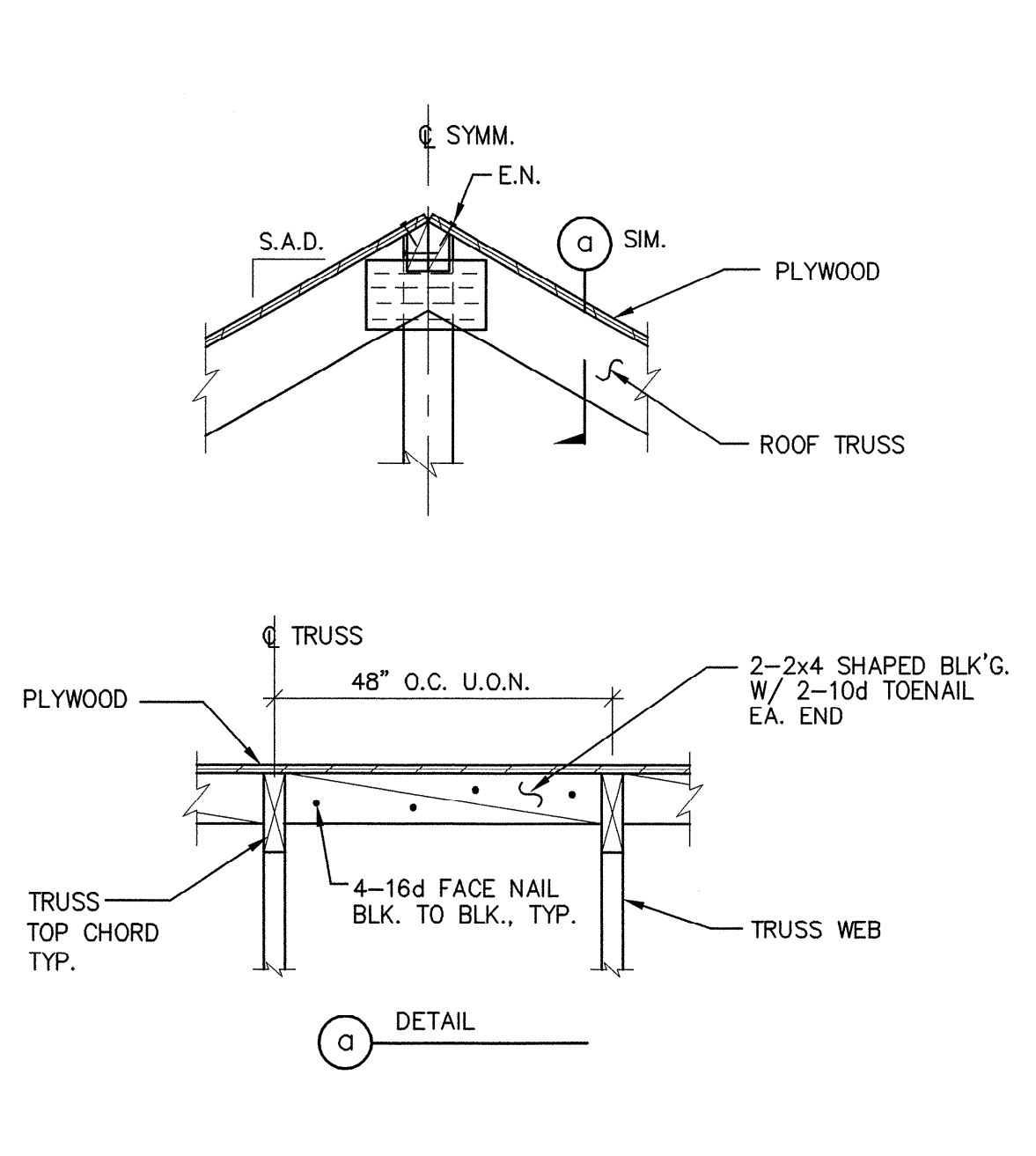
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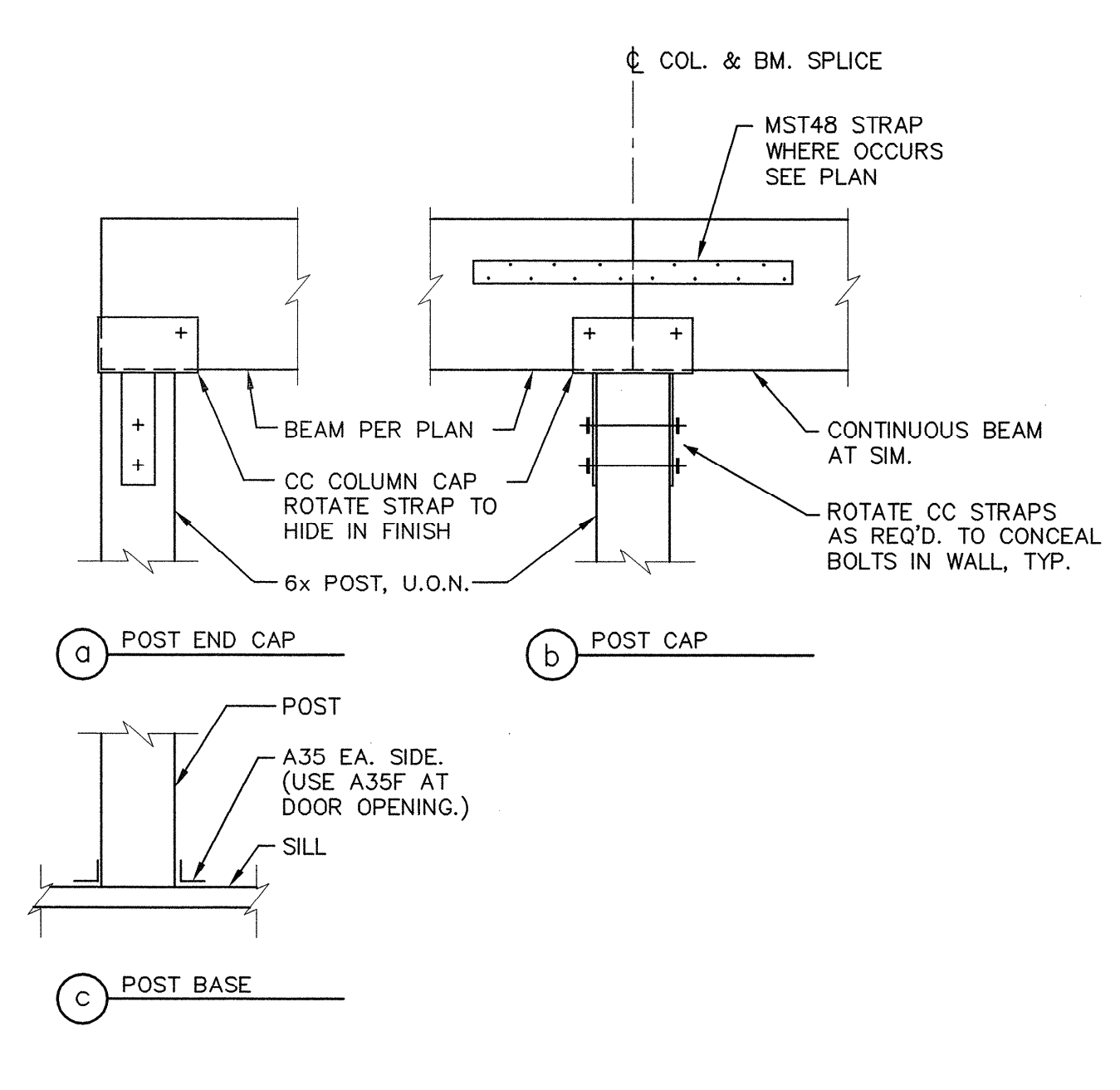


10 NON-STRUCTURAL WALL
 (a) PARTITION PARALLEL TO TRUSS (b) PARTITION PERPENDICULAR TO TRUSS

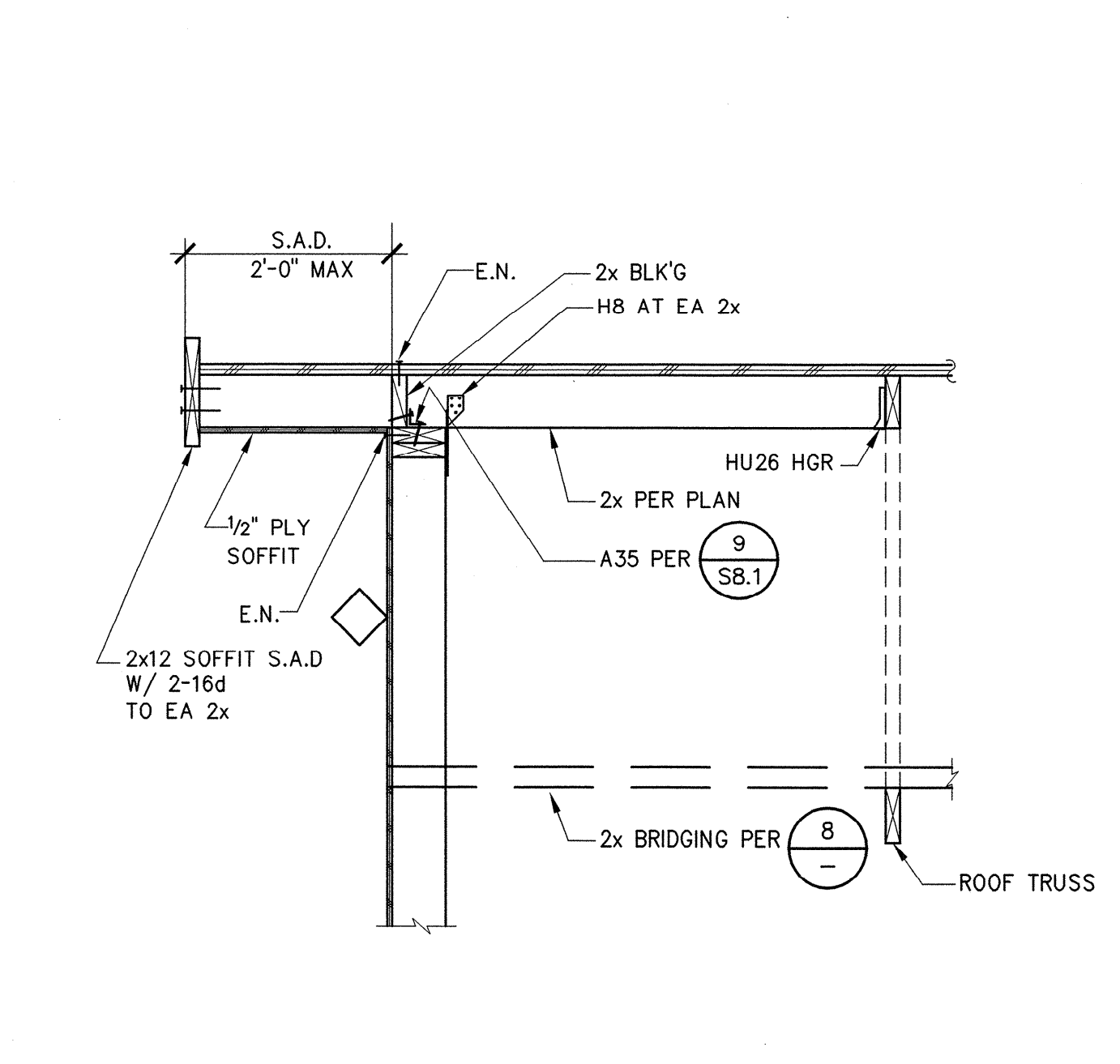
NOTES:
 1. 2x SILL PLATE AT PARTITION MAY BE FASTENED TO CONC. SLAB WITH HILTI DNI-72 POWDER-ACTUATED FASTENERS @ 2'-8" O.C., PENETRATING 1 1/2" INTO CONCRETE AND SHALL BE INSTALLED PER CBO REPORT. WASHERS SHALL BE 0.059" THICK x 0.78" SQ. POWDER ACTUATED FASTENERS SHALL NOT BE PERMITTED THRU 3x SILLS, AT BEARING AND SHEAR WALLS, NOR IN CONC. CURBS.



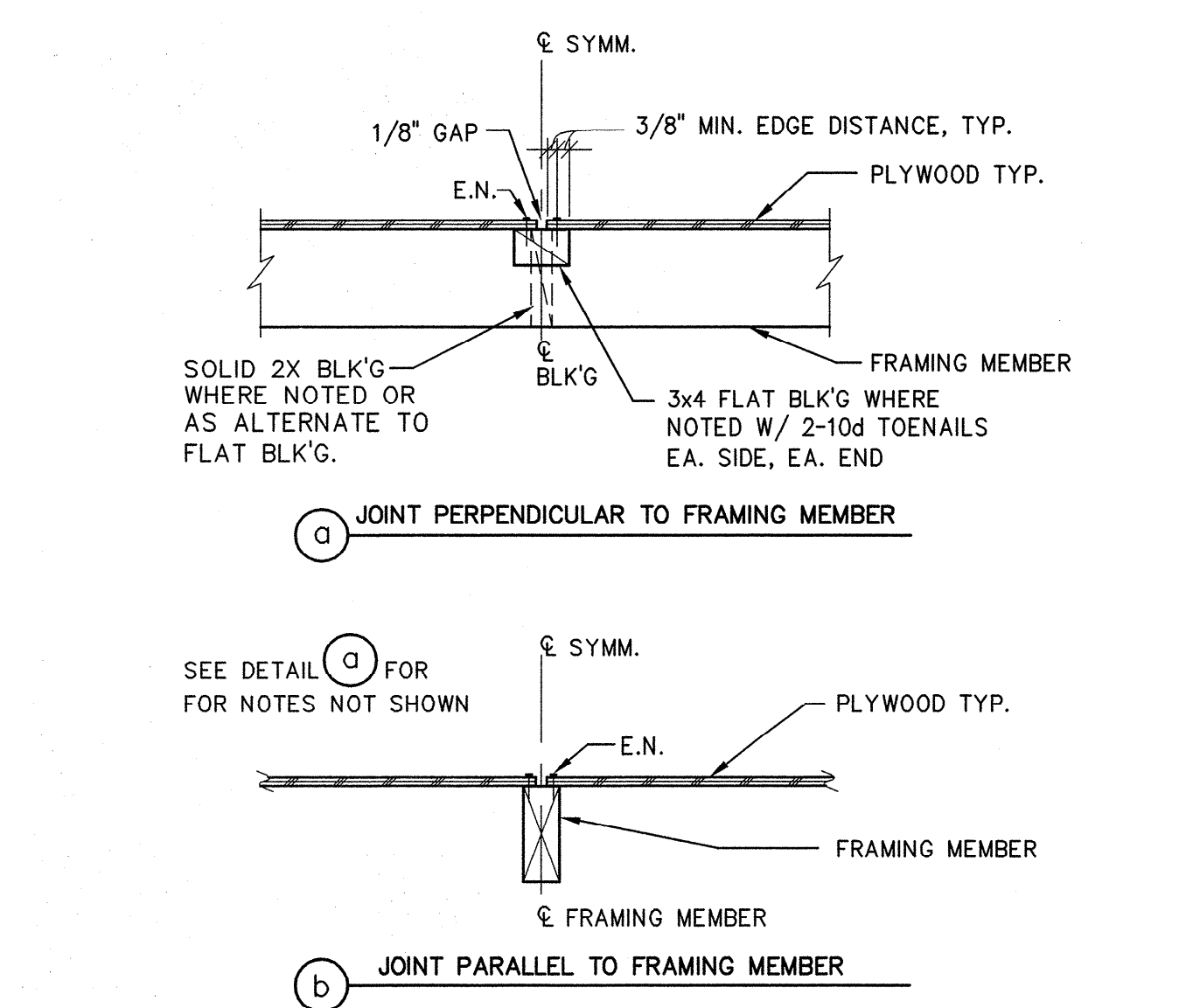
7 RIDGE BLOCKING AT TRUSSES



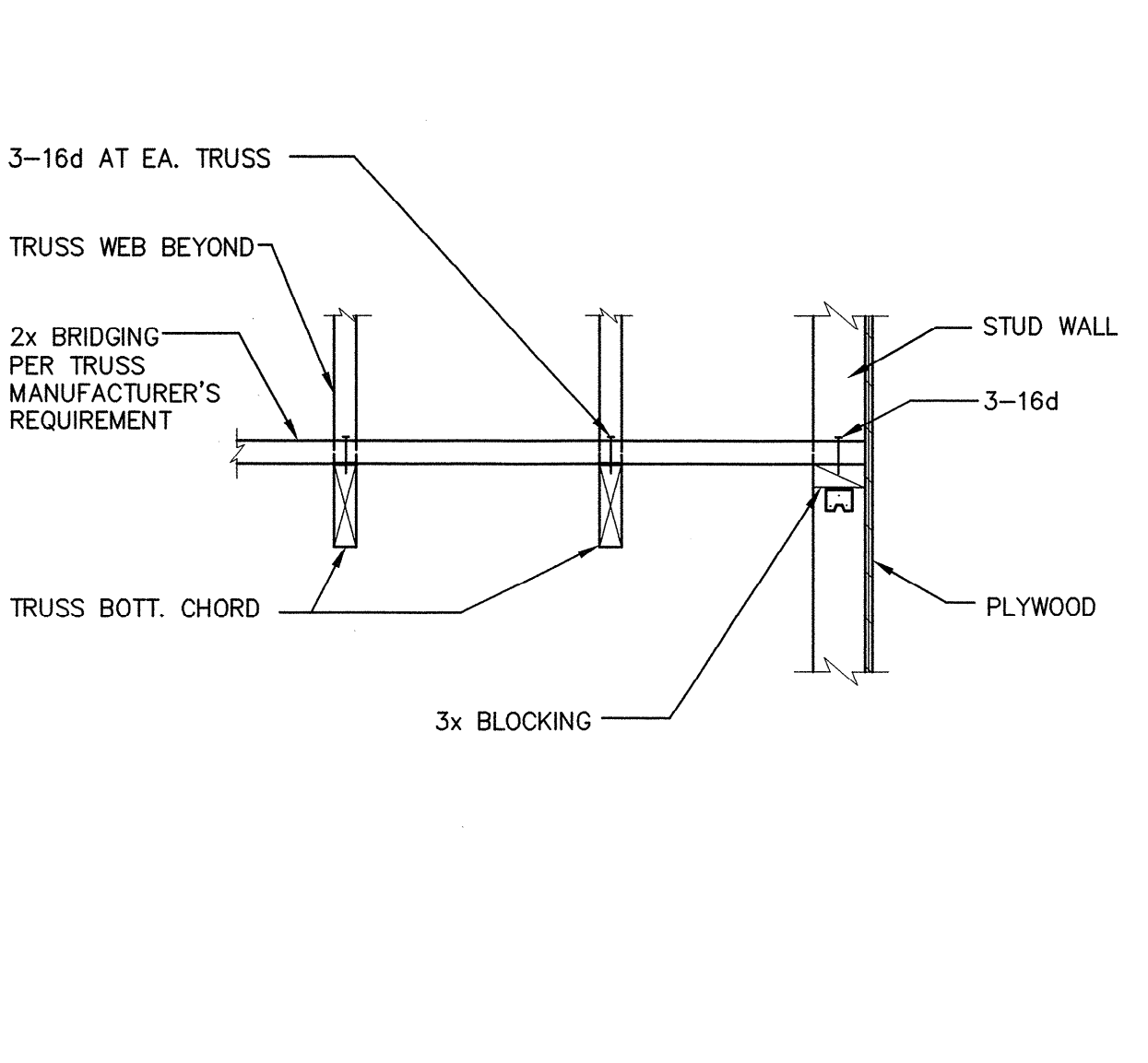
4 BEAM TO POST CONNECTION



1 RAKE FRAMING



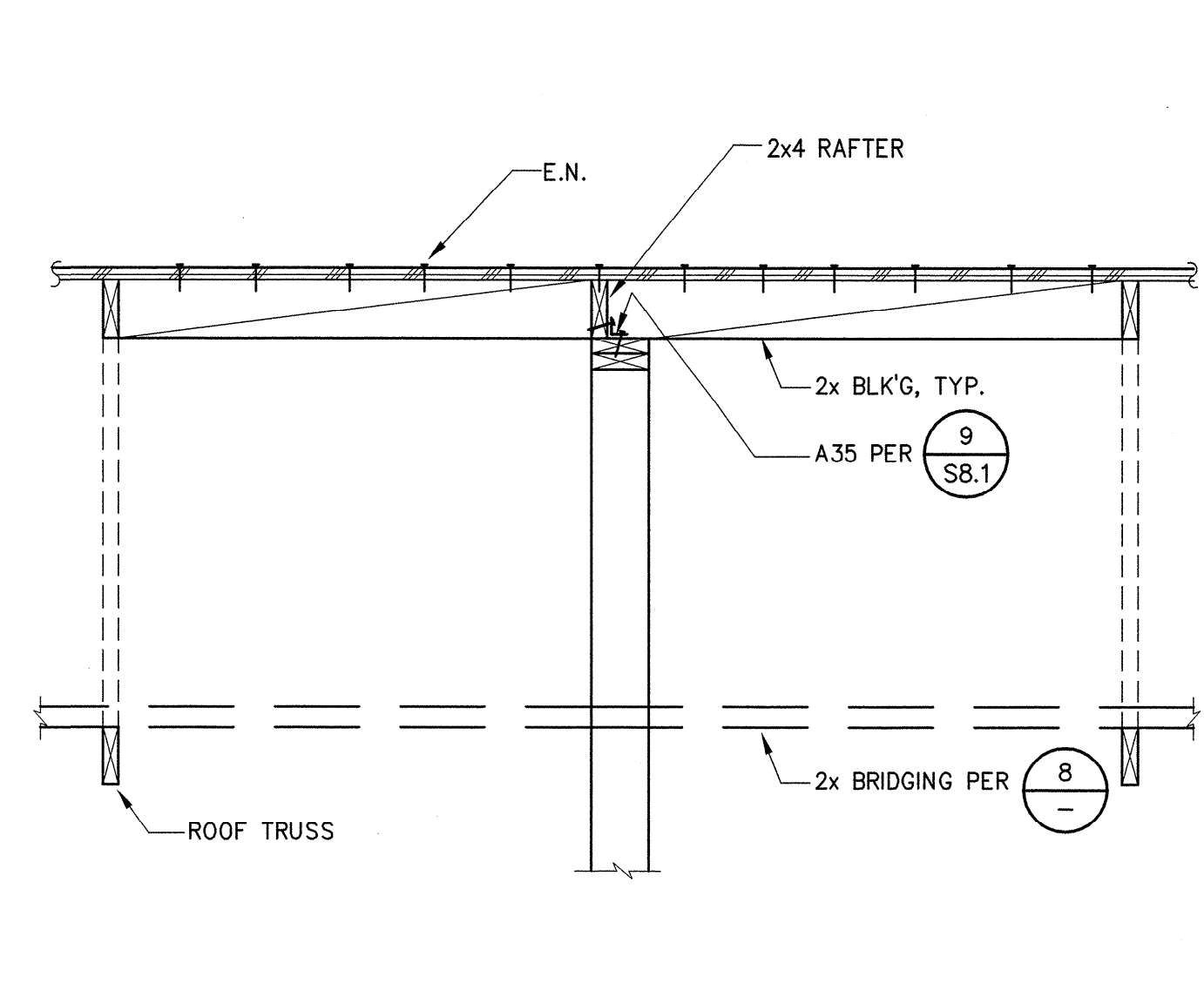
11 PLYWOOD NAILING
 (a) JOINT PERPENDICULAR TO FRAMING MEMBER (b) JOINT PARALLEL TO FRAMING MEMBER



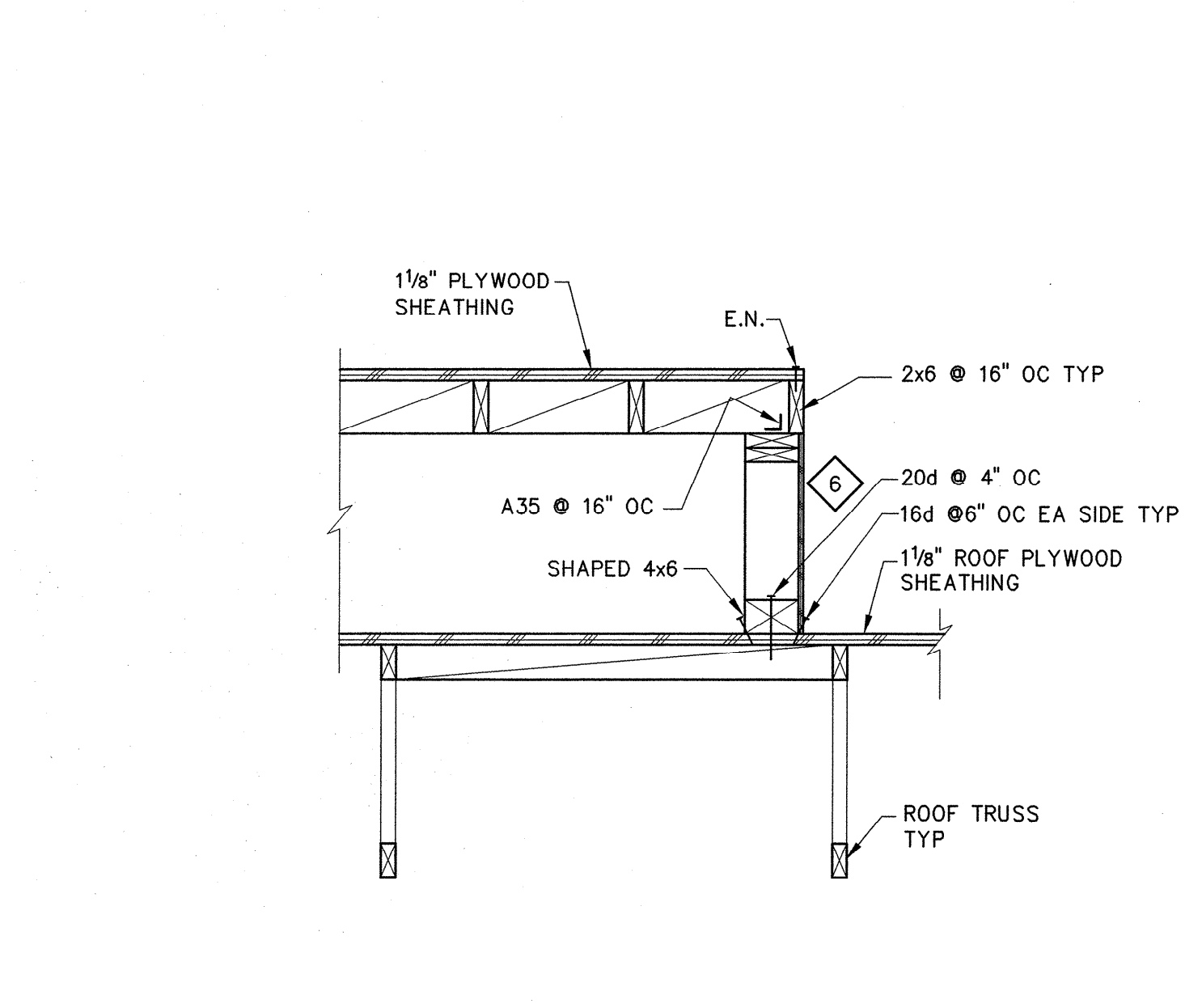
8 TRUSS BRIDGING

- TRUSSES SHALL BE PREFABRICATED BY A MANUFACTURER WITH A MINIMUM OF 5 YEARS EXPERIENCE PERFORMING SIMILAR WORK.
- TRUSS MANUFACTURER SHALL RETAIN A CIVIL ENGINEER LICENSED IN THE STATE OF CALIFORNIA TO DESIGN AND DIRECT THE FABRICATION AND ERECTION OF THE TRUSSES.
- PRIOR TO FABRICATION OF TRUSSES, THE FOLLOWING MATERIAL BEARING THE APPROVAL OF THE MANUFACTURER'S ENGINEER MUST BE SUBMITTED TO THE ARCHITECT FOR REVIEW:
 - TWO SETS OF SHOP DRAWINGS CLEARLY DELINEATING TRUSS LAYOUT BRIDGING REQUIREMENTS, TRUSS GRADE MEMBER SIZES (INCLUDING GRADE AND SPECIES OF LUMBER USED) AND CONNECTION DETAILS.
 - TWO SETS OF CALCULATIONS STAMPED BY MANUFACTURER'S ENGINEER WHICH SHOW MEMBER STRESSES AND ANALYSIS AND DESIGN OF SUPPORT AND JOINT CONNECTIONS.
- SUBMIT TRUSS SHOP DRAWINGS AND CALCULATIONS BEARING THE ARCHITECT'S REVIEW STAMP TO STRUCTURAL ENGINEER OF RECORD PRIOR TO CONSTRUCTION.
- ROOF TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH THE "NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION" - LATEST EDITION.
- PROVIDE 2x4 TRUSS TOP CHORDS WITH TOP CHORD EXTENSION AT EAVES.
- ROOF TRUSSES SHALL BE DESIGNED TO WITHSTAND THE FOLLOWING LOADS:
 - LOADS - DEAD LOAD: 80 PLF (60 PSF APPLIED TO TOP CHORD, 20 PLF APPLIED TO BOTTOM CHORD).
 - LIVE LOAD: 80 PLF (REDUCIBLE PER UBC) AT TOP CHORD, 40 PSF LIVE LOAD AT BOTTOM CHORD (NOT CONCURRENT W/ TOP CHORD LIVE LOAD).
 - CONCENTRATED LOAD - ALL TRUSSES SHALL BE DESIGNED TO WITHSTAND A 1000 LBS DEAD LOAD ACTING AT ANY LOCATION ALONG THE SPAN OF THE TRUSS APPLIED AT EITHER THE TOP OR BOTTOM CHORD ACTING SIMULTANEOUSLY WITH THE LOADS SHOWN ABOVE.
- LIMIT DEAD PLUS LIVE LOAD DEFLECTION TO L/240 AND LIMIT LIVE LOAD DEFLECTION TO L/360. WHERE "L" IS THE CLEARSPAN OF TRUSS. WHERE DEAD LOAD DEFLECTION IS GREATER THAN 0.5", PROVIDE CAMBER EQUAL TO 1.5X DEAD LOAD DEFLECTION.
- CONTRACTOR SHALL INSTALL TRUSS BRIDGING AT 10'-0" OC. SEE DET. 8 ON THIS SHEET FOR BRIDGING CONNECTION
- CONTRACTOR SHALL PROVIDE BLOCKING AT RIDGES OF TRUSSES PER DET. 7 ON THIS SHEET.
- TRUSSES AND TRUSSES PANEL CONNECTIONS DETAILS SHOWN ARE FOR GRAPHICAL REPRESENTATION ONLY. FINAL DESIGN AND CONFIGURATION SHALL BE PROVIDED BY TRUSS MANUFACTURER. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS AND DETAILS NOT SHOWN.

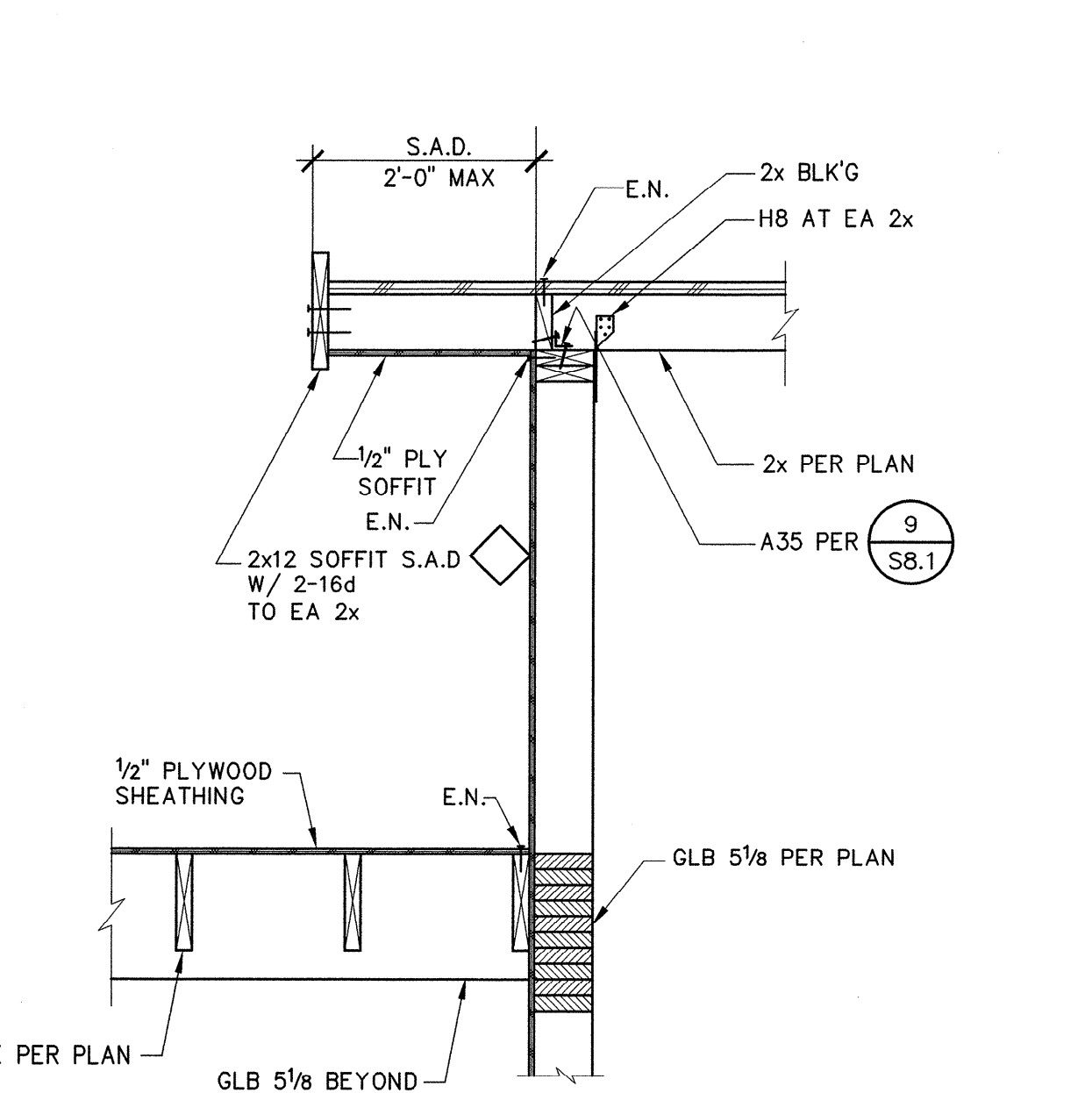
6 PRE-FABRICATED TRUSS NOTES



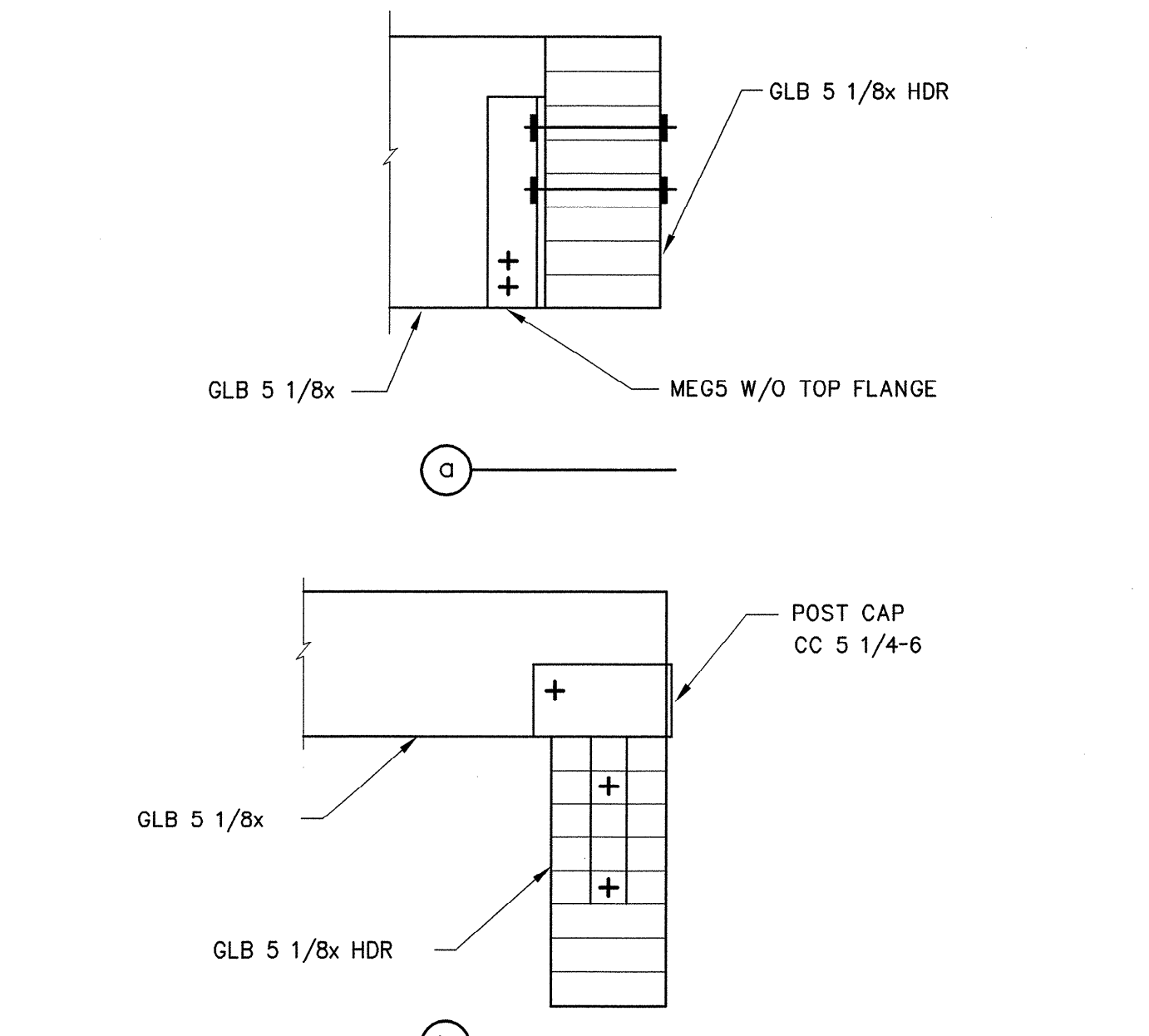
2 TRUSS PARALLEL TO INTERIOR BEARING WALL



12 MONITOR ROOF END WALL CONNECTION

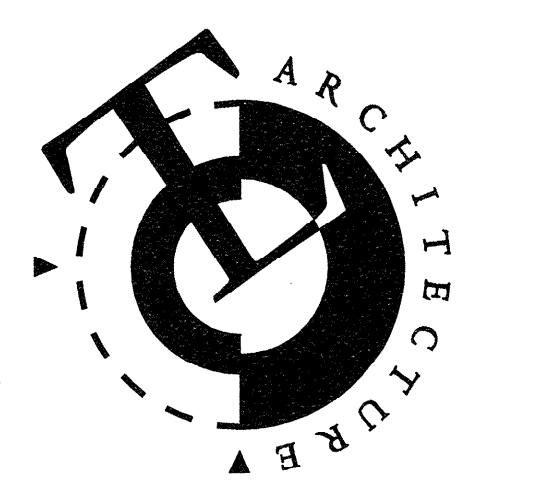


9 CANOPY SECTION



3 GLB BEAM TO GLB BEAM CONNECTION

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 NAPA, CALIFORNIA

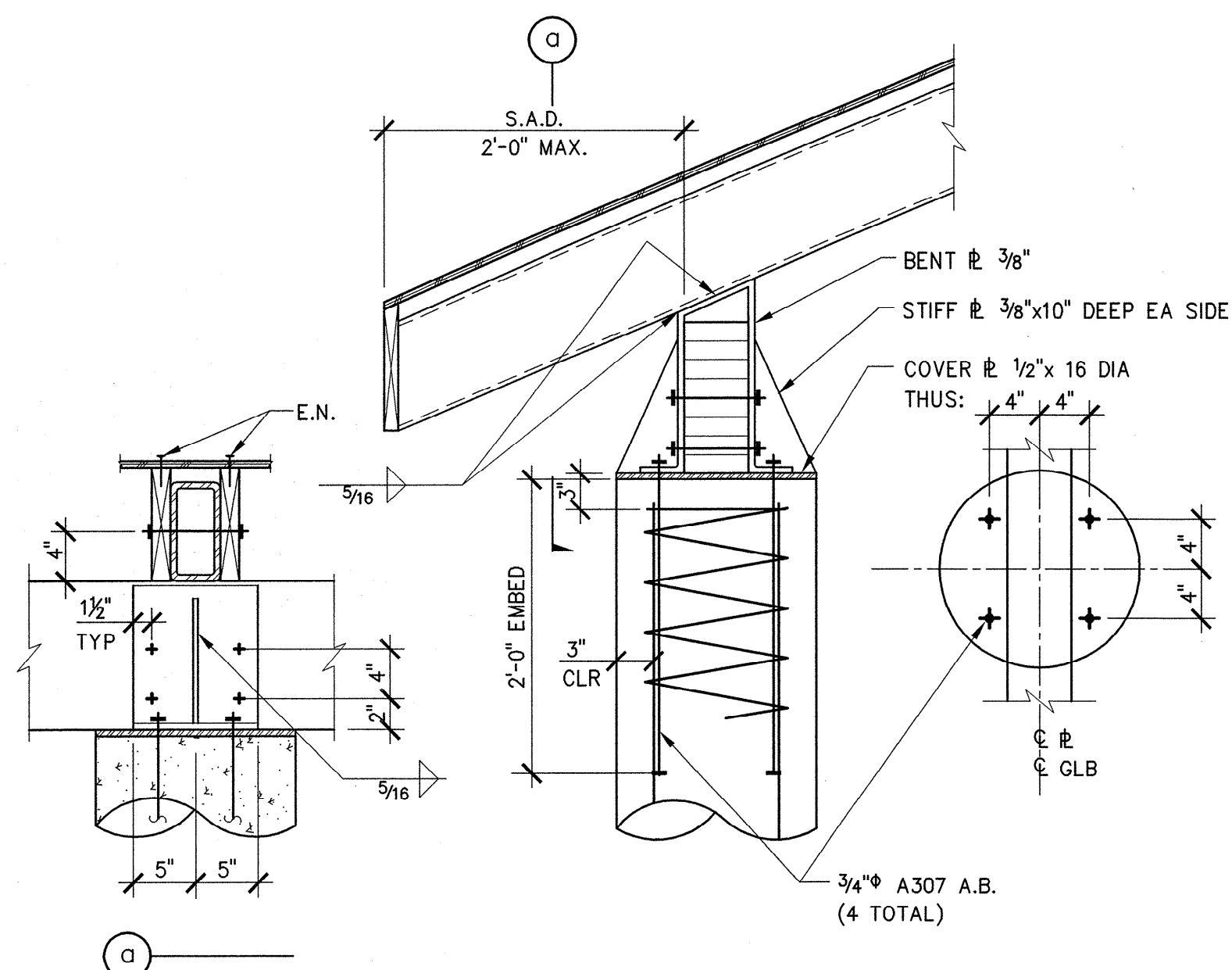
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TYPICAL WOOD DETAILS

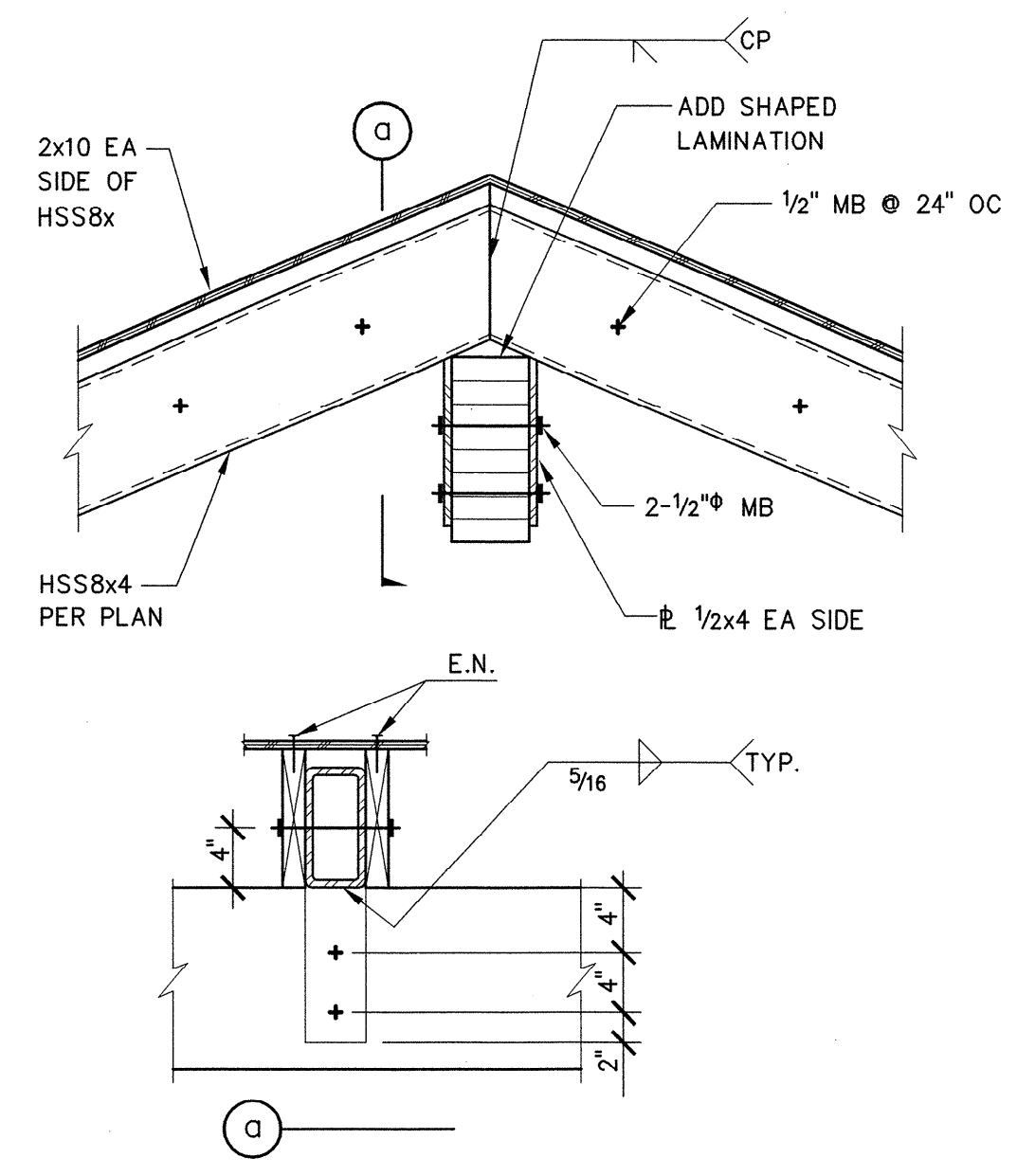
S8.2

Feb 28, 2007 - 9:58am chun P:\06p00\06B121 NVCC Wine SBI Drawings\Structural\06B121 S8.2.dwg

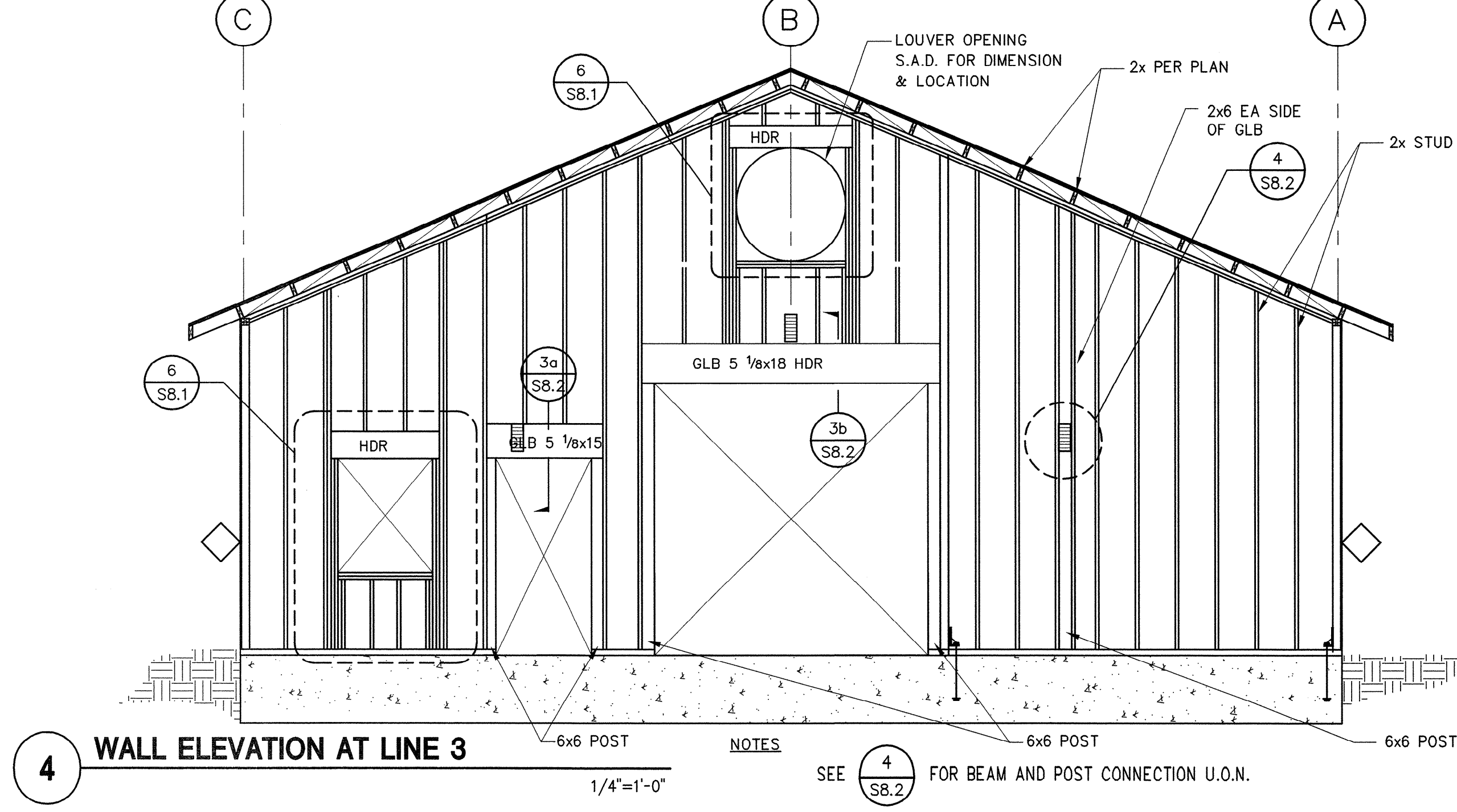
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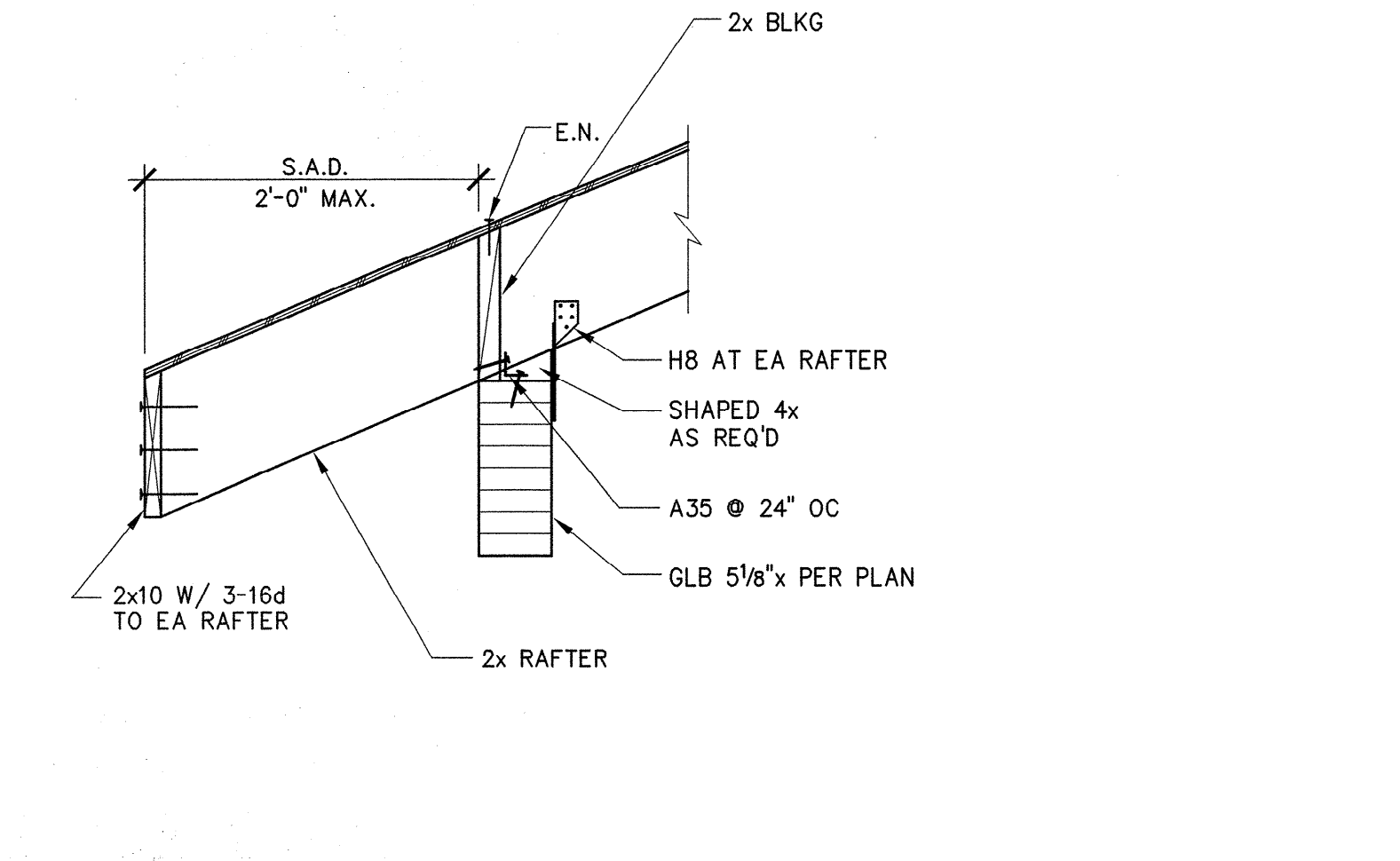
10 CANOPY GLB TO CONC. COLUMN
1"=1'-0"



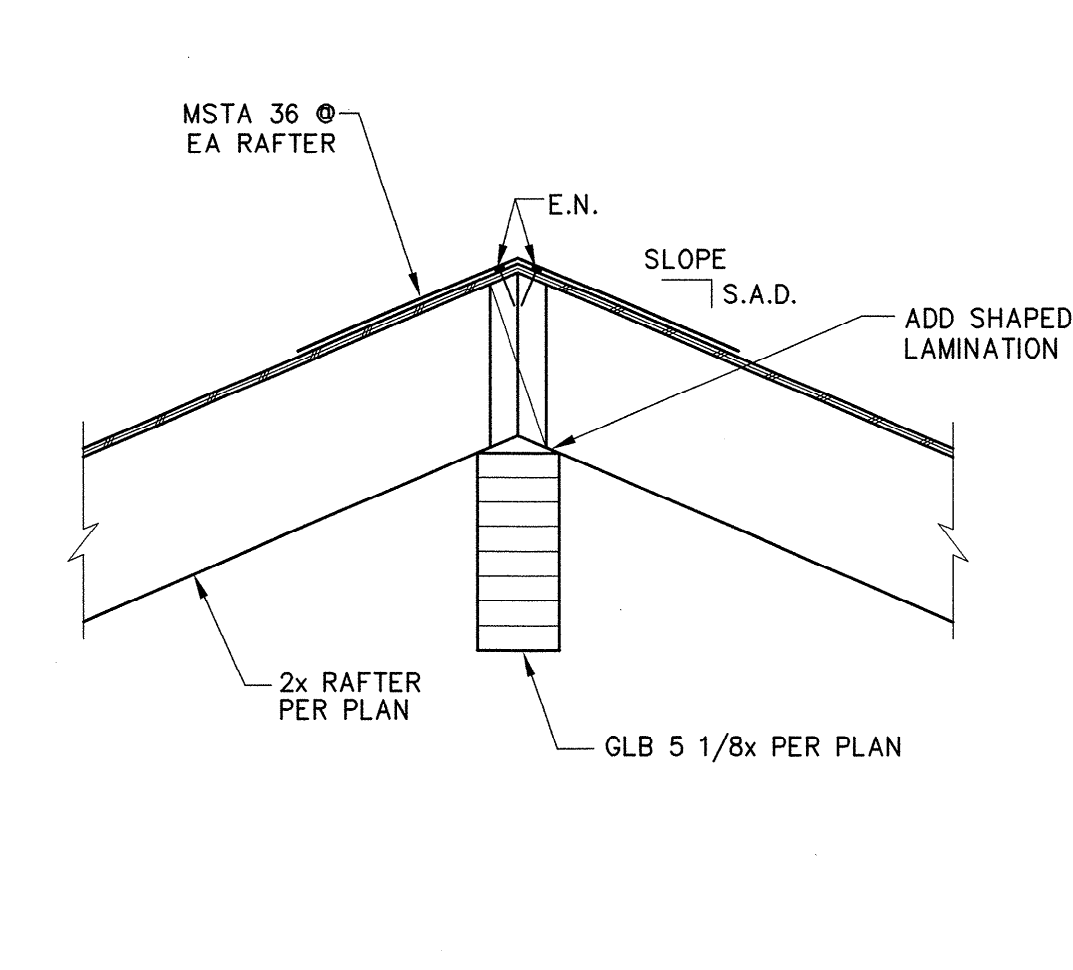
7 CANOPY RIDGE BEAM
1"=1'-0"



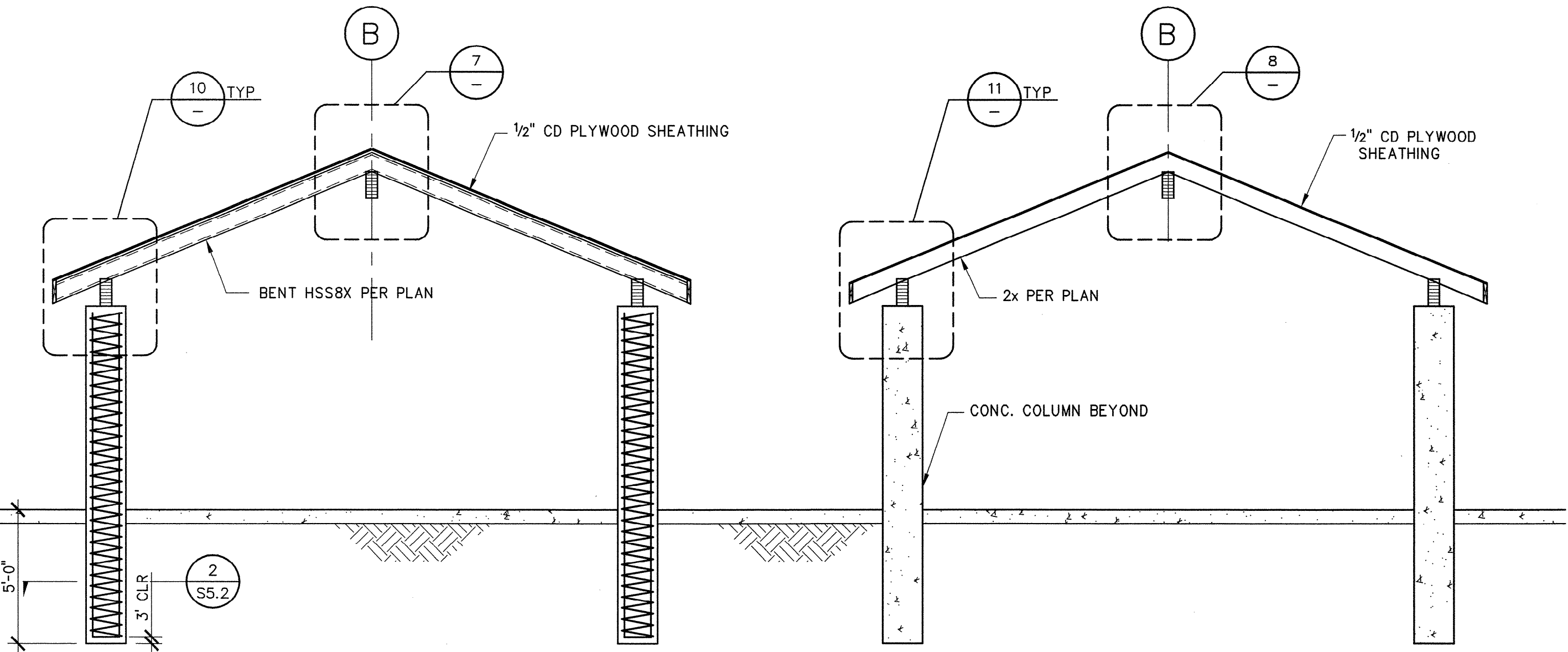
4 WALL ELEVATION AT LINE 3
1/4"=1'-0"



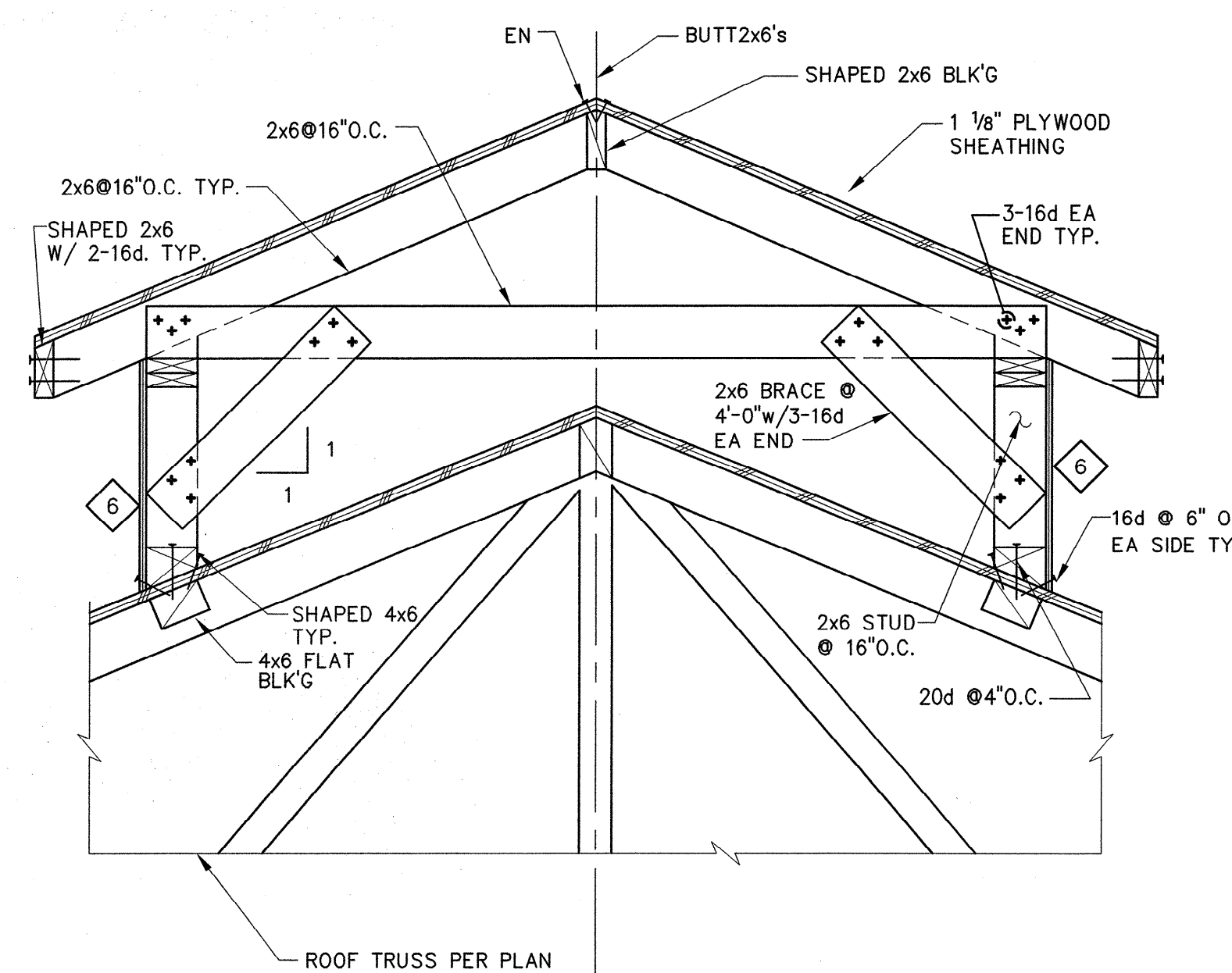
11 CANOPY EVE
1"=1'-0"



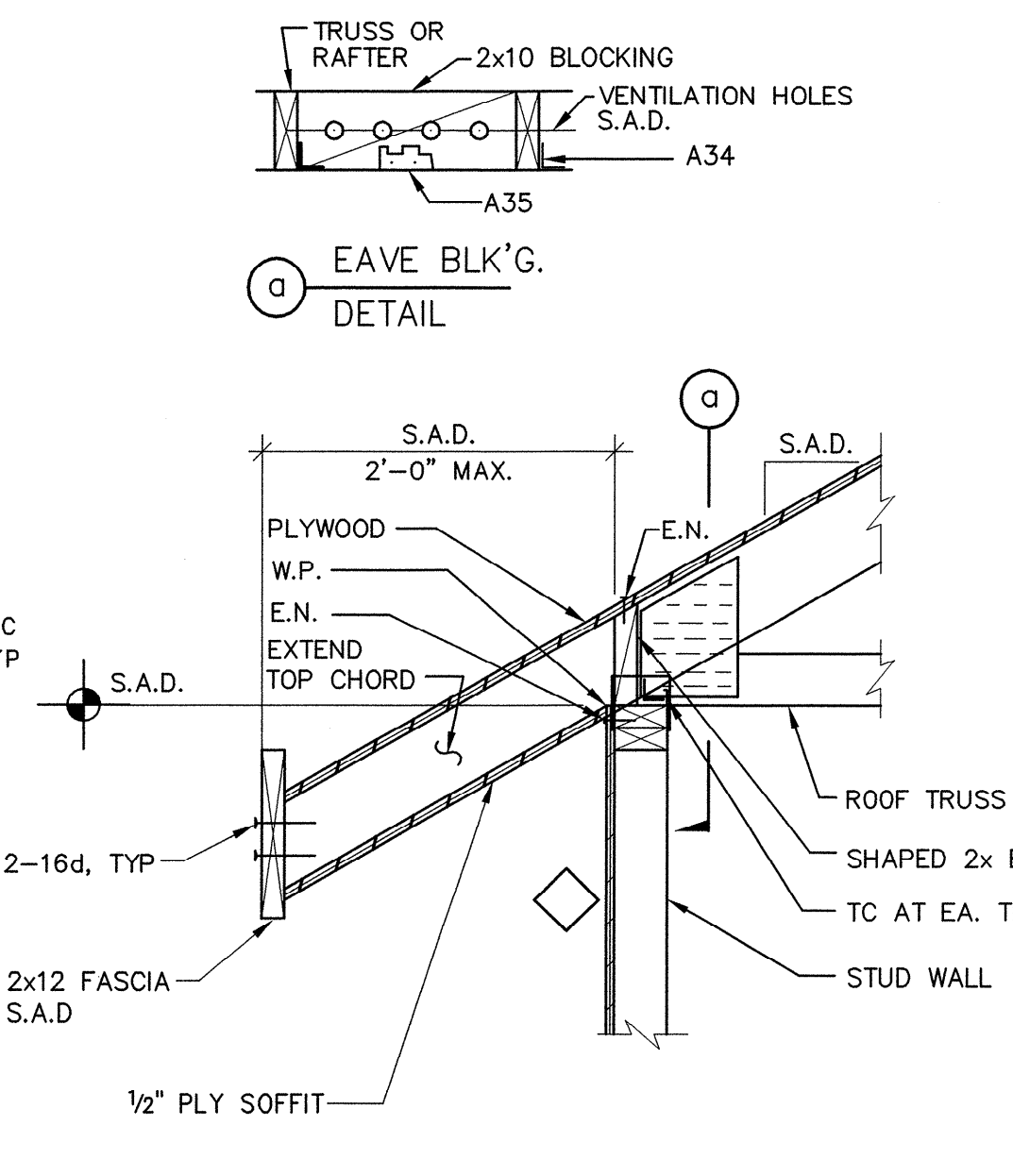
8 CANOPY RIDGE BEAM
1"=1'-0"



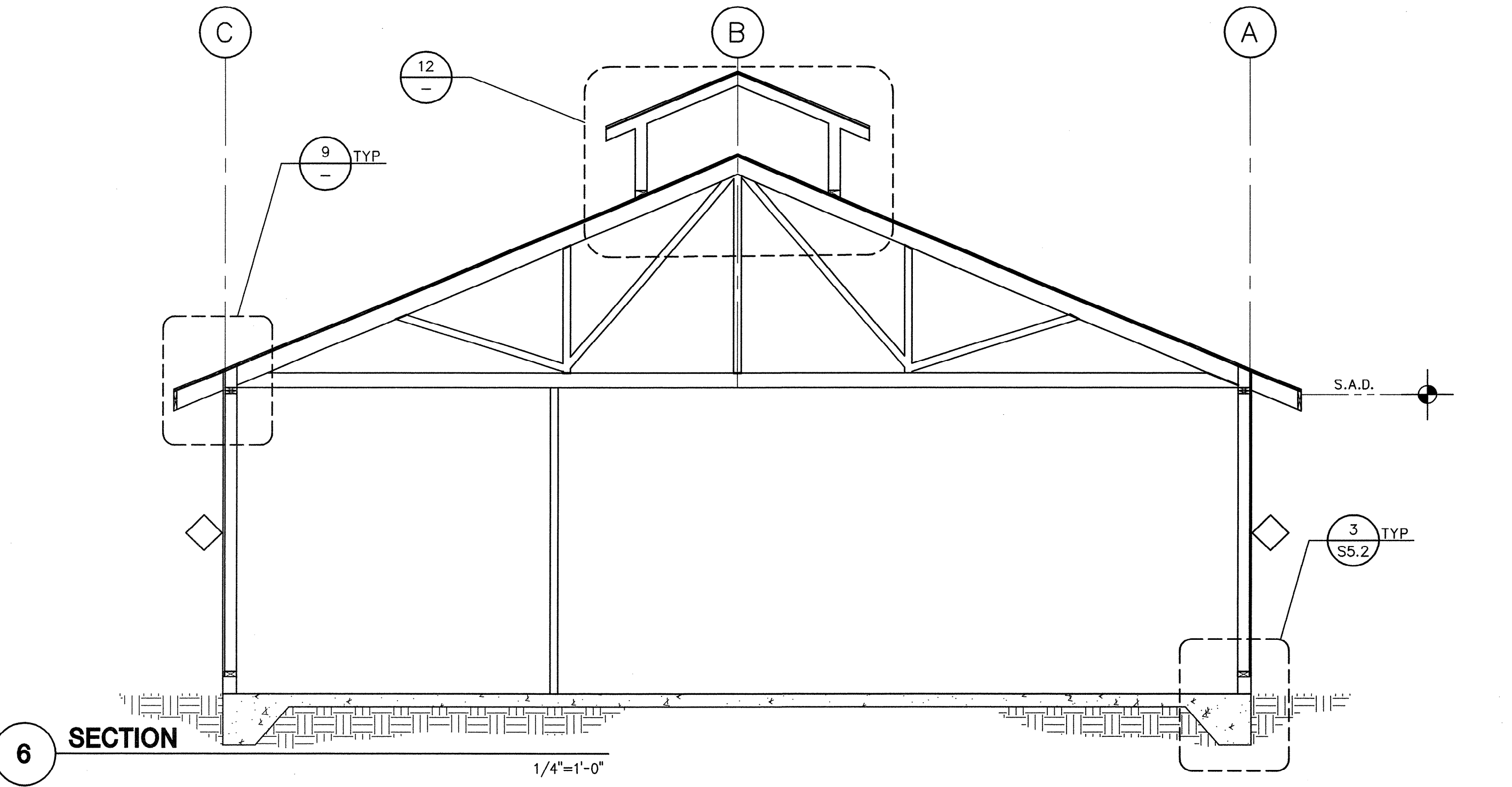
5 BENT HSS AT CANOPY 1/4"=1'-0"
2 CANOPY SECTION 1/4"=1'-0"



12 MONITOR ROOF SECTION
3/4"=1'-0"



9 EVE FRAMING
1"=1'-0"



6 SECTION
1/4"=1'-0"

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NAPA, CALIFORNIA

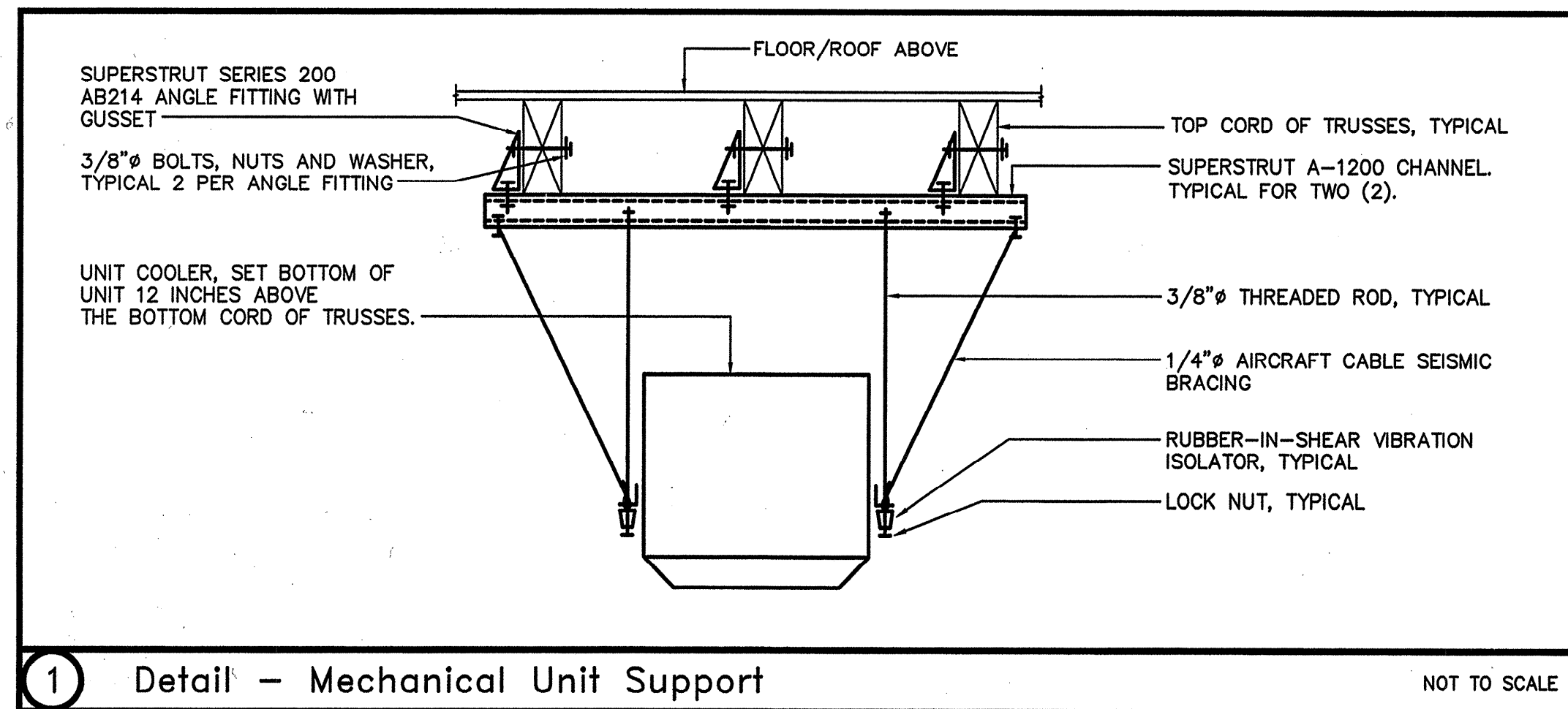
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CANOPY DETAILS

S8.3

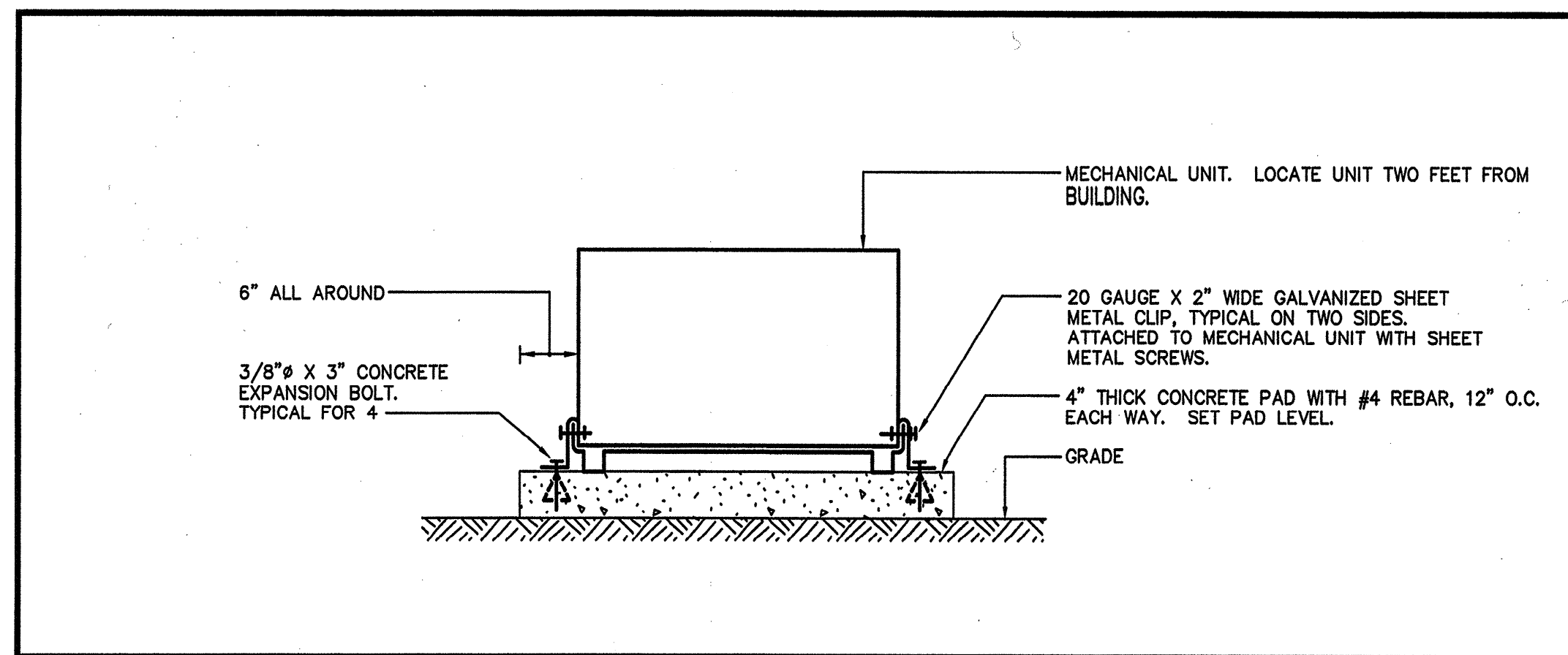
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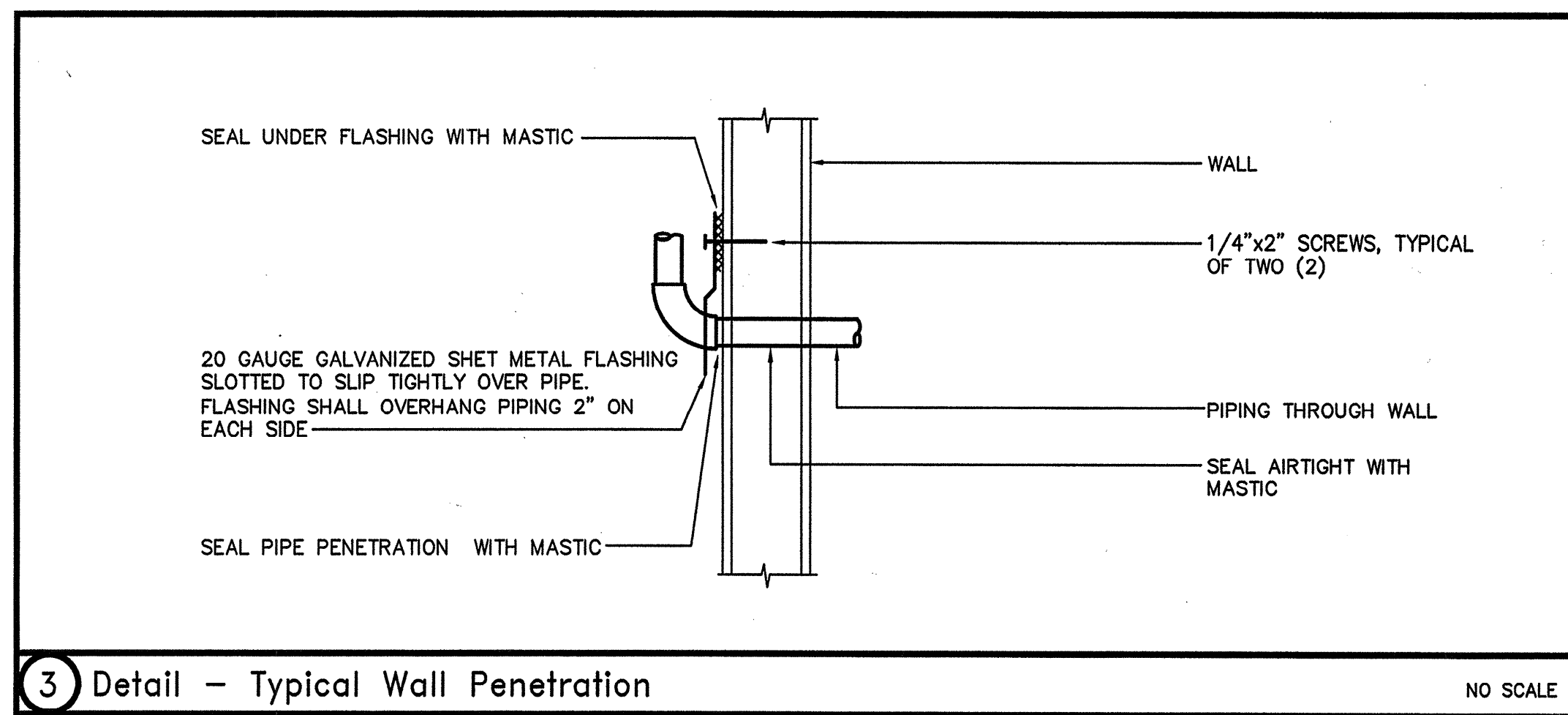
1 Detail - Mechanical Unit Support

NOT TO SCALE



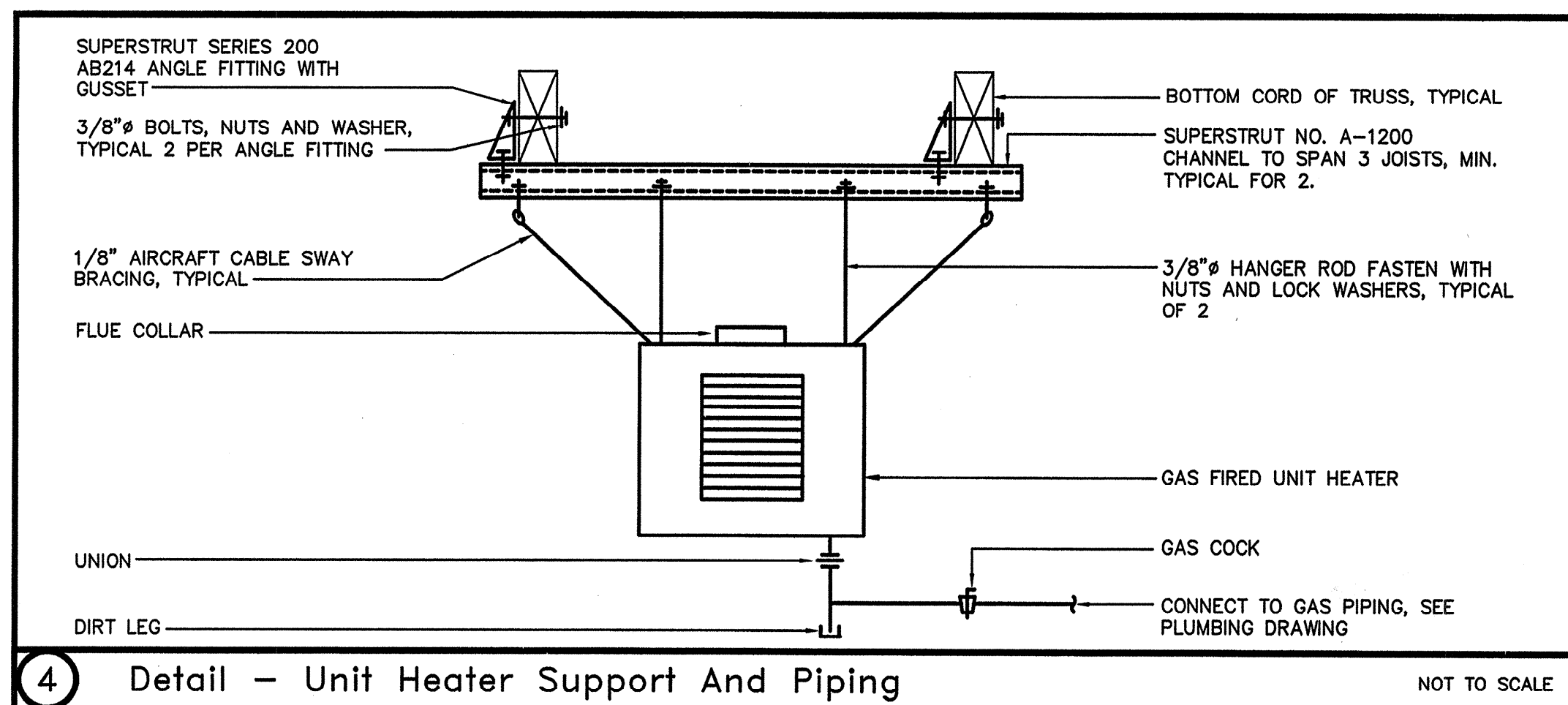
2 Detail - Mechanical Unit Support

NOT TO SCALE



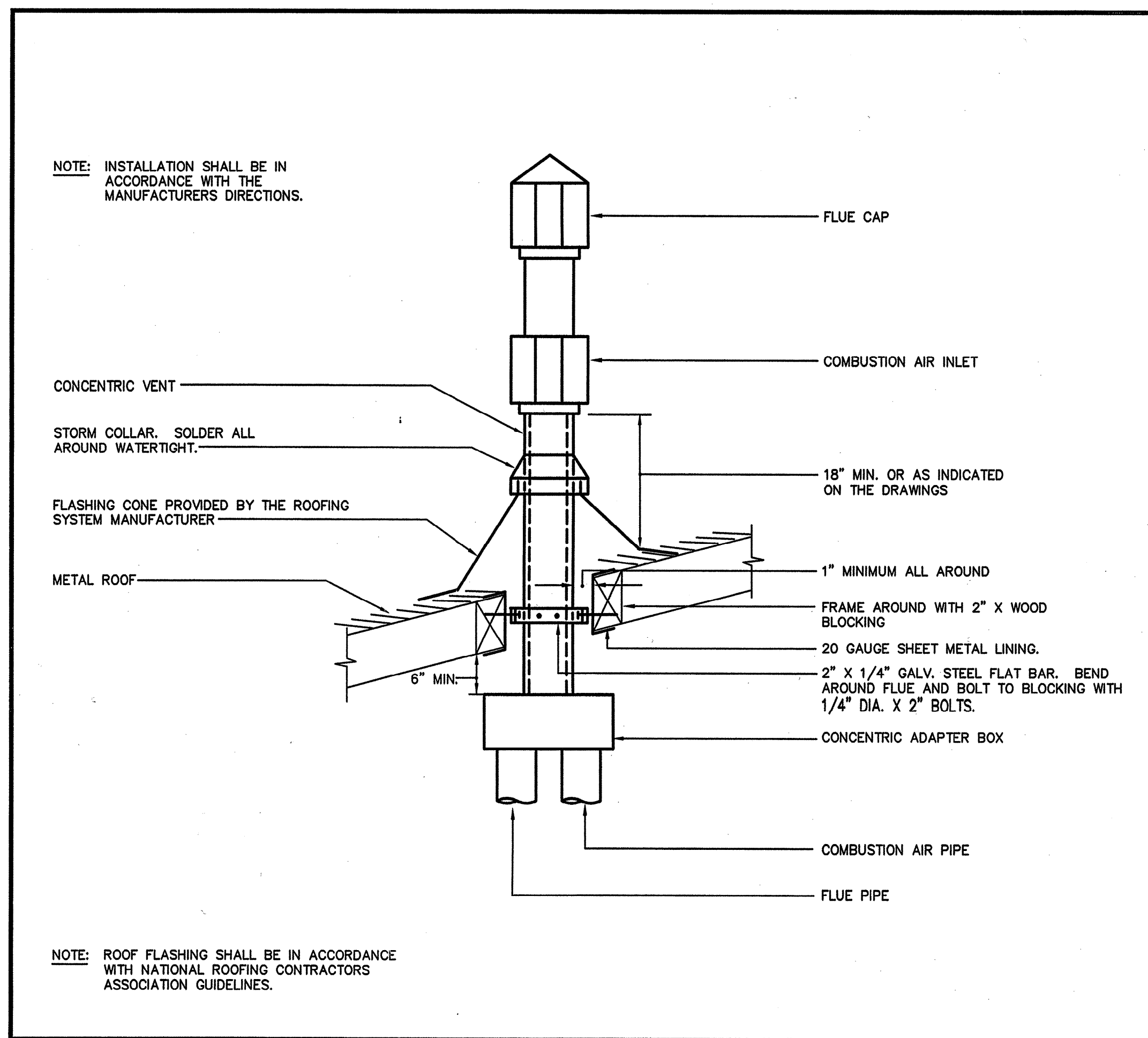
3 Detail - Typical Wall Penetration

NO SCALE



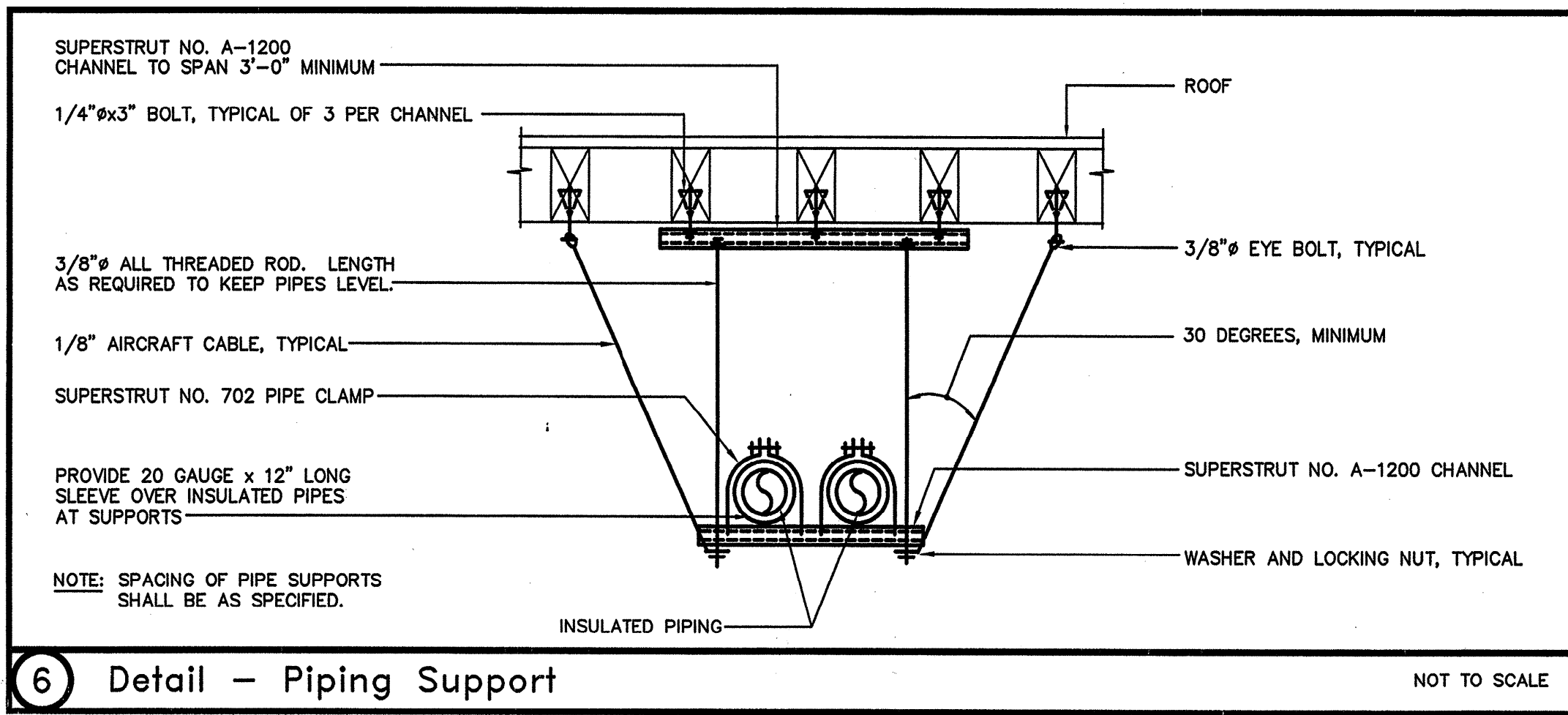
4 Detail - Unit Heater Support And Piping

NOT TO SCALE



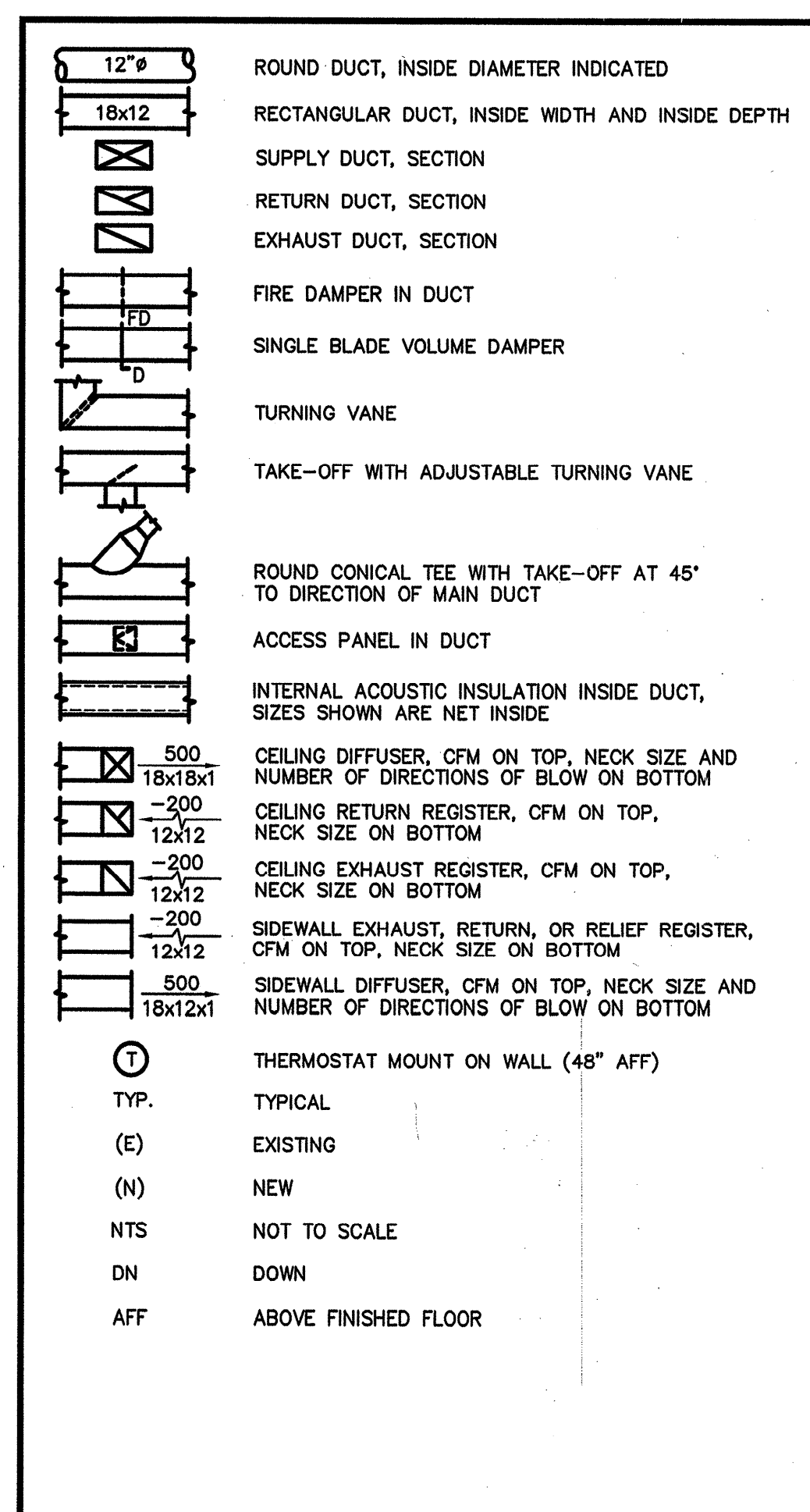
5 Detail - Concentric Vent Through Roof

NOT TO SCALE



6 Detail - Piping Support

NOT TO SCALE

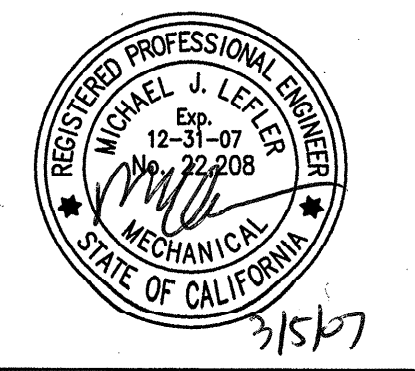


Mechanical Legend

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 MJL
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MECHANICAL DETAILS AND LEGEND

M1.1

Plot Date: February 28, 2007 7:27 am
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WINE STORAGE BUILDING

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NAPA COMMUNITY COLLEGE DISTRICT
 NAPA, CALIFORNIA

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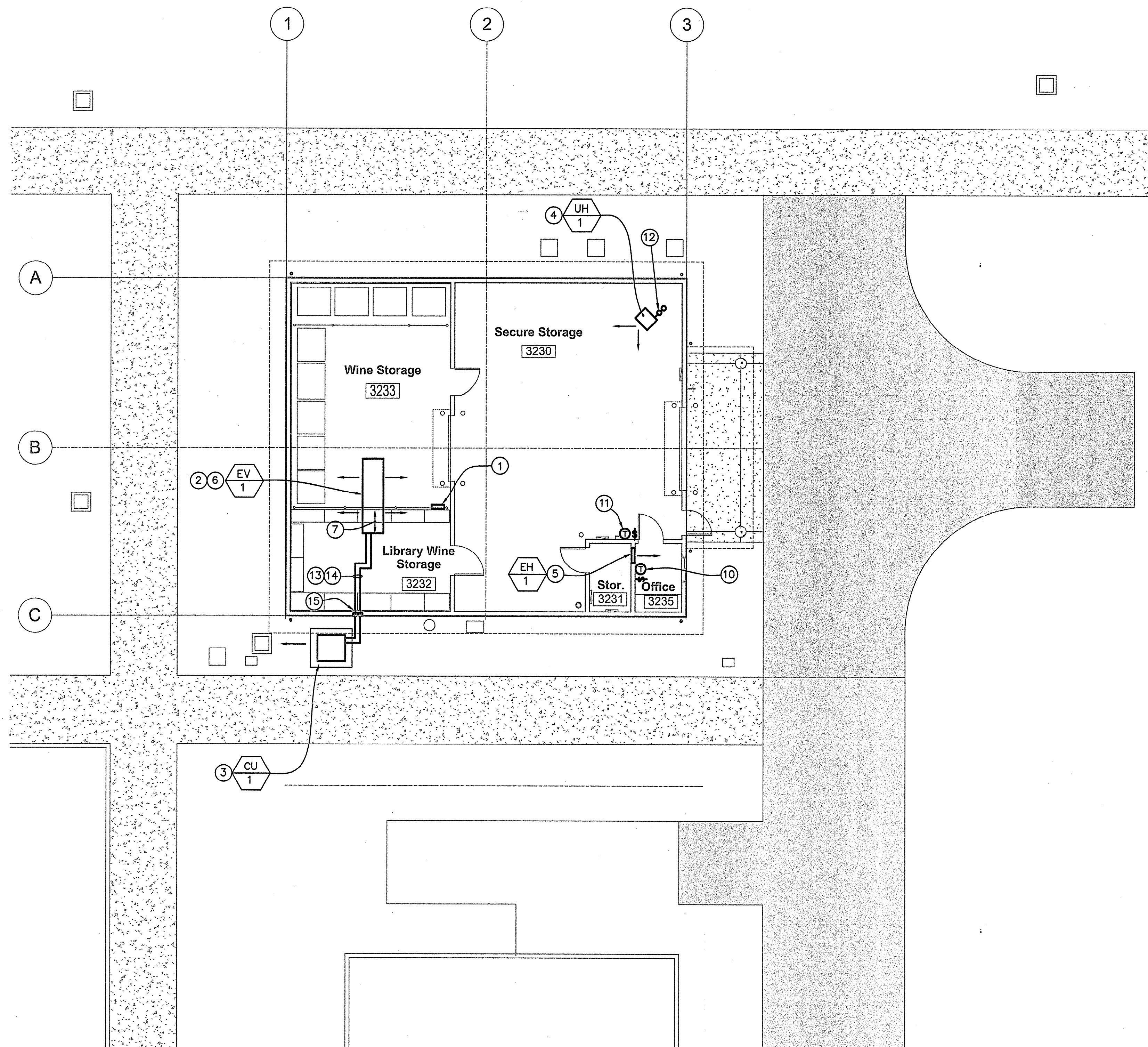
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MECHANICAL FLOOR PLAN, AND SCHEDULE

M2.1



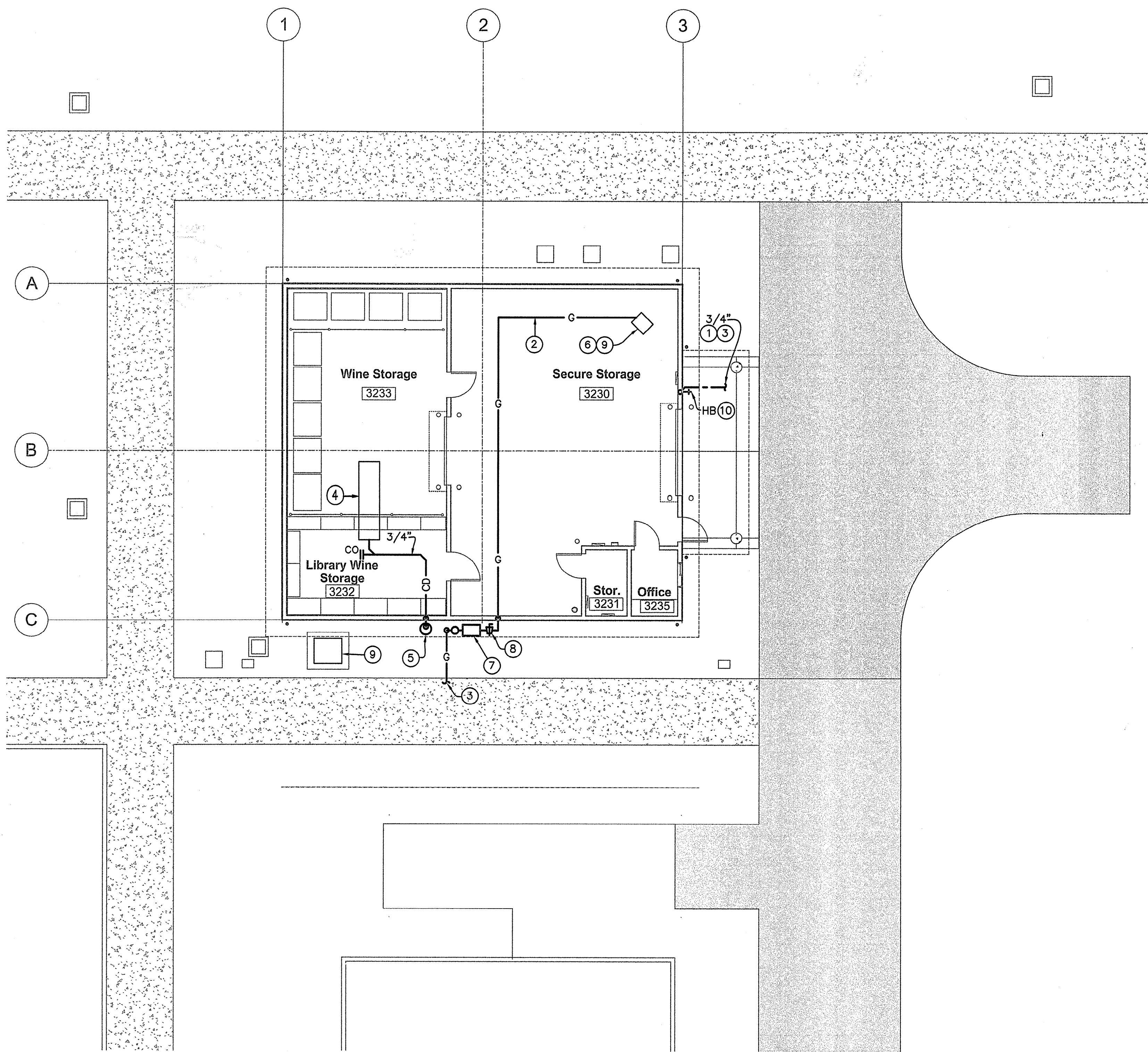
1 MECHANICAL FLOOR PLAN

1/8" = 1'-0"

- Sheet Notes**
- INSTALL 18"x24" OPENING IN WALL WITH BOTTOM 6" ABOVE FLOOR. INSTALL STAINLESS STEEL SLEEVE WITH STAINLESS STEEL WIRE MESH.
 - INSTALL SUSPENDED REFRIGERATION SYSTEM UNIT COOLER. SET UNIT WITH BOTTOM 12 INCHES ABOVE BOTTOM CORD OF TRUSSES. CONNECT REFRIGERANT SUCTION AND LIQUID PIPING AND CONDENSATE DRAIN WITH P-TRAP. SEE DETAIL 1/M1.1.
 - INSTALL OUTDOOR AIR COOLED CONDENSING UNIT. SECURE TO 4" THICK CONCRETE PAD. SEE DETAIL 2/M1.1.
 - INSTALL GAS FIRED SEPARATED COMBUSTION UNIT HEATER. SEE DETAIL 4/M1.1. CONNECT 4" INLET AND 4" OUTLET TO CONCENTRIC VENT ADAPTER AND EXTEND CONCENTRIC VENT THROUGH ROOF.
 - INSTALL RECESSED WALL MOUNTED ELECTRIC UNIT HEATER.
 - MOUNT UNIT OVER THE LOW DEMISING WALL.
 - SET UNIT WITH 35% OF THE LENGTH IN THE AREA SHOWN.
 - NOT USED.
 - NOT USED.
 - INSTALL THERMOSTAT AND TIMER SWITCH TO CONTROL ELECTRIC HEATER.
 - INSTALL THERMOSTAT AND TIMER SWITCH TO CONTROL UNIT HEATER.
 - SEE DETAIL 5/M1.1.
 - RUN REFRIGERANT PIPING FROM CONDENSING UNIT TO UNIT COOLER.
 - AS HIGH AS POSSIBLE ABOVE FLOOR. SEE DETAIL 6/M1.1.
 - SEAL WALL PENETRATION WATERTIGHT. SEE DETAIL 3/M1.1.

Equipment Schedule

EV 1	UNIT COOLER: RUSSELL #FL46-220, 1820 CFM, 44,000 BTU/HR (AT 20°F. ΔT), 4-MOTOR, 230V-1φ-60HZ, 2.2 AMPS, 375 POUNDS.
CU 1	CONDENSING UNIT: RUSSELL RL0600M22, 43,930 BTU/HR (95°F. AMB., 25°F. SUCTION), 208/230V-3φ-60HZ, 25.6 FLA, 31.0 MCA 500 POUNDS.
UH 1	GAS UNIT HEATER: REZNOR - UDAS-60, 60,000 BTU/HR INPUT, 49,800 BTU/HR OUTPUT, 115V., SINGLE PHASE, 2.4 FLA, 80 POUNDS.
EH 1	ELECTRIC WALL HEATER: BERKO - SRA1012DS, 1000 WATTS, 120V-1φ-60HZ, 8.3 AMPS.

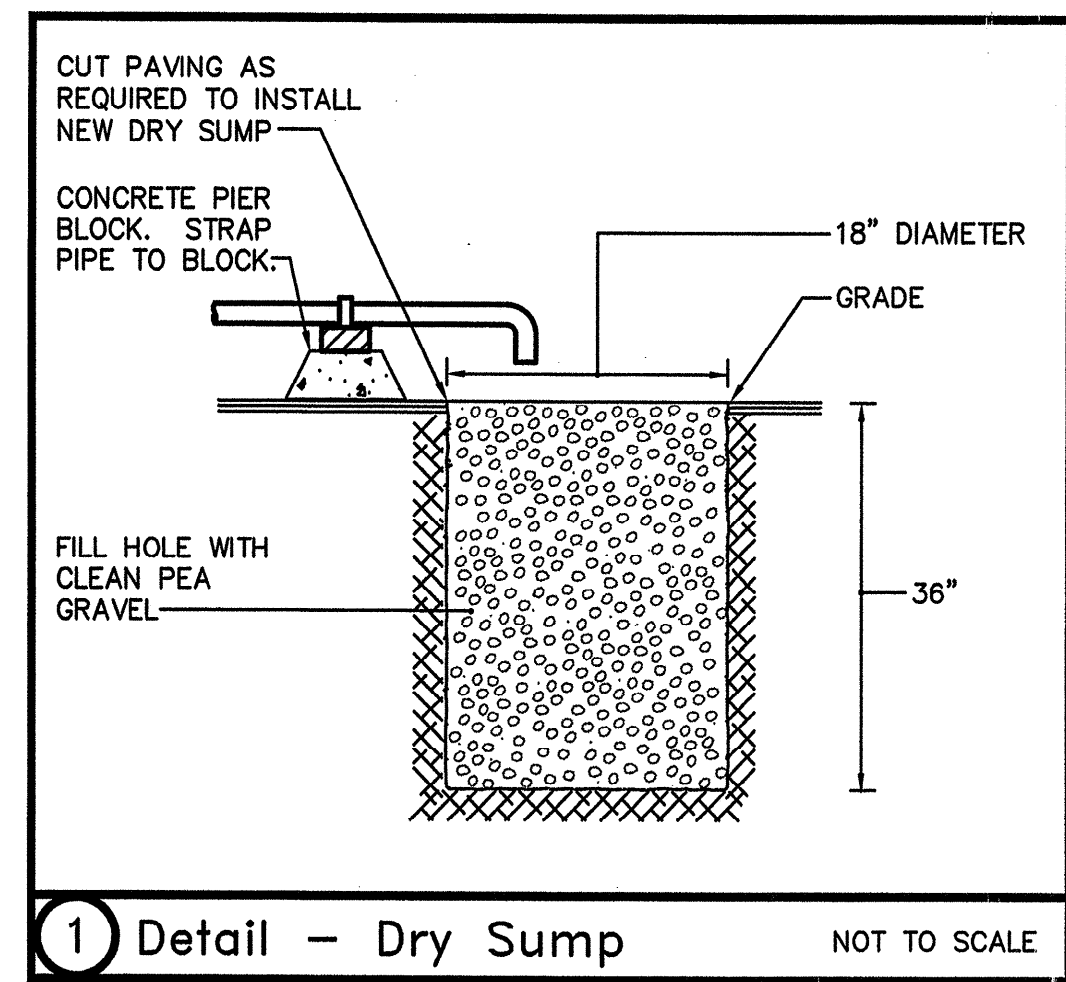


1 PLUMBING FLOOR PLAN
1/8" = 1'-0"

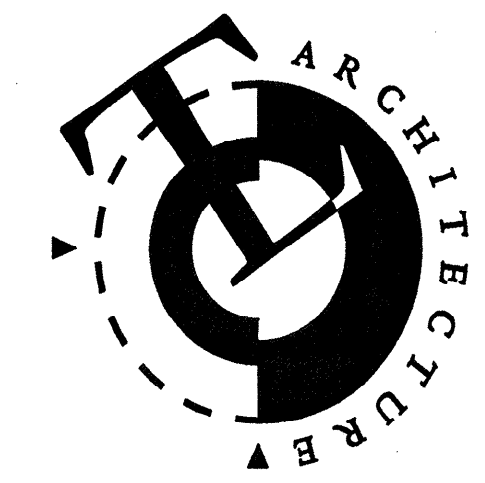
- Sheet Notes**
- BELOW GRADE, TYPICAL.
 - ROUTE PIPING AT OR ABOVE THE BOTTOM CORD OF THE TRUSSES, TYPICAL.
 - SEE CONTINUATION ON CIVIL ENGINEERING DRAWINGS.
 - REFRIGERATION FAN COIL UNIT. RUN CONDENSATE DRAIN TO TERMINATE OVER DRY SUMP. CONTINUOUSLY INSULATE CONDENSATE DRAIN PIPING.
 - INSTALL DRY SUMP. SEE DETAIL 1/P2.1.
 - CONNECT GAS PIPING TO MECHANICAL EQUIPMENT THROUGH DIRT LEG, GAS COCK, AND UNION.
 - ARRANGE FOR THE INSTALLATION OF A NEW GAS METER SIZED FOR 60,000 BTU/HR.
 - INSTALL EARTHQUAKE VALVE AND GAS COCK.
 - MECHANICAL EQUIPMENT. VERIFY EXACT LOCATION.
 - INSTALL HOSE BIBB WITH VACUUM BREAKER. CONNECT 1/2" CW.

	W.	SOIL OR WASTE PIPING ABOVE FLOOR
	W.	SOIL OR WASTE PIPING BELOW GRADE/FLOOR
	RWL	RAINWATER LEADER PIPING
	V.	VENT PIPING
	CW	COLD WATER PIPING
	HW	HOT WATER PIPING
	G.	GAS PIPING
	CD	CONDENSATE DRAIN PIPING
	F.	FIRE PIPING
	FD, RD	FLOOR DRAIN, ROOF DRAIN
	COTG, FCO	CLEANOUT TO GRADE, FLOOR CLEANOUT
	WCO	WALL CLEANOUT
	CO	CLEANOUT
	VTR	VENT THROUGH ROOF
	WC	WATER CLOSET
	UR	URINAL
	LAV	LAVATORY
	SSK	SERVICE SINK
	SK	SINK
	SH	SHOWER
	DF	DRINKING FOUNTAIN
	HB	HOSE BIBB
	1	DESIGNATION OF SHEET NOTE #1
	(E)	EXISTING
	(N)	NEW
	TYP.	TYPICAL
	G.V.	GAS COCK
	B.V.	BALL VALVE
	CH. V.	CHECK VALVE
		STRAINER

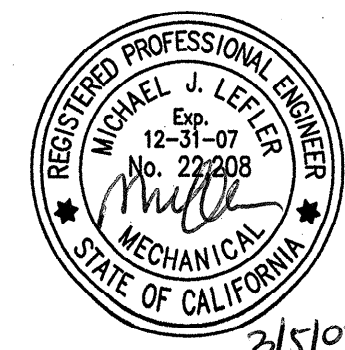
Plumbing Legend



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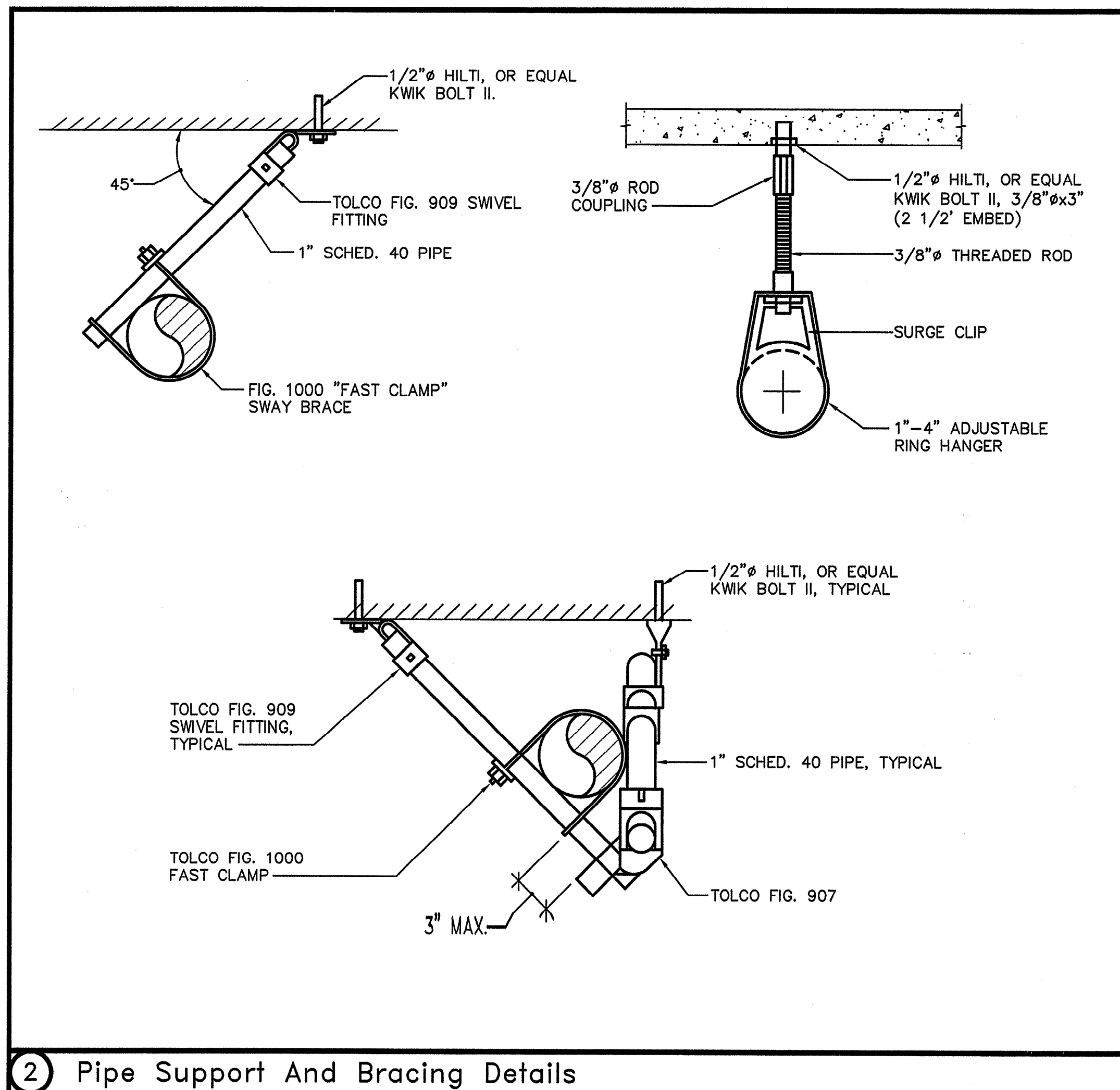
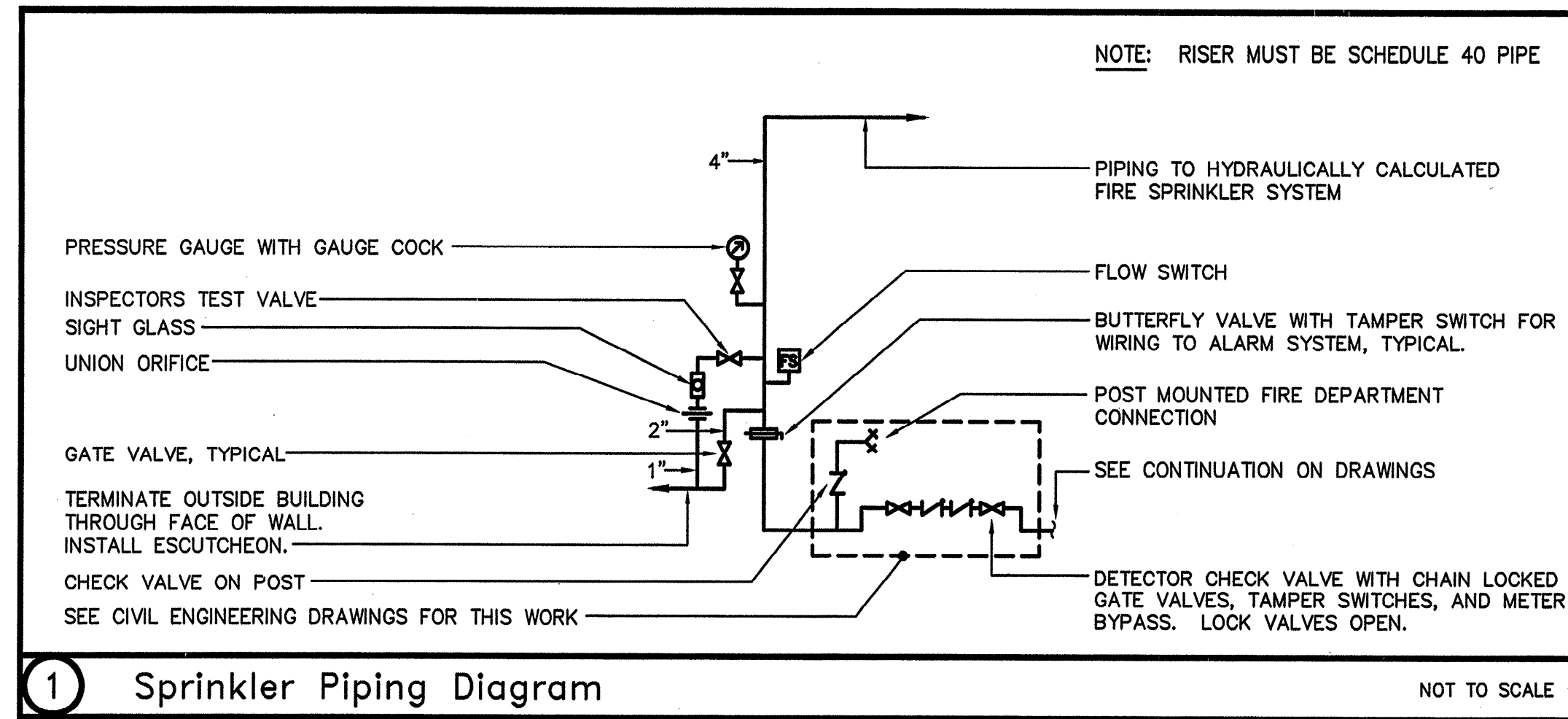
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PLUMBING FLOOR PLAN, DETAIL AND LEGEND

P2.1

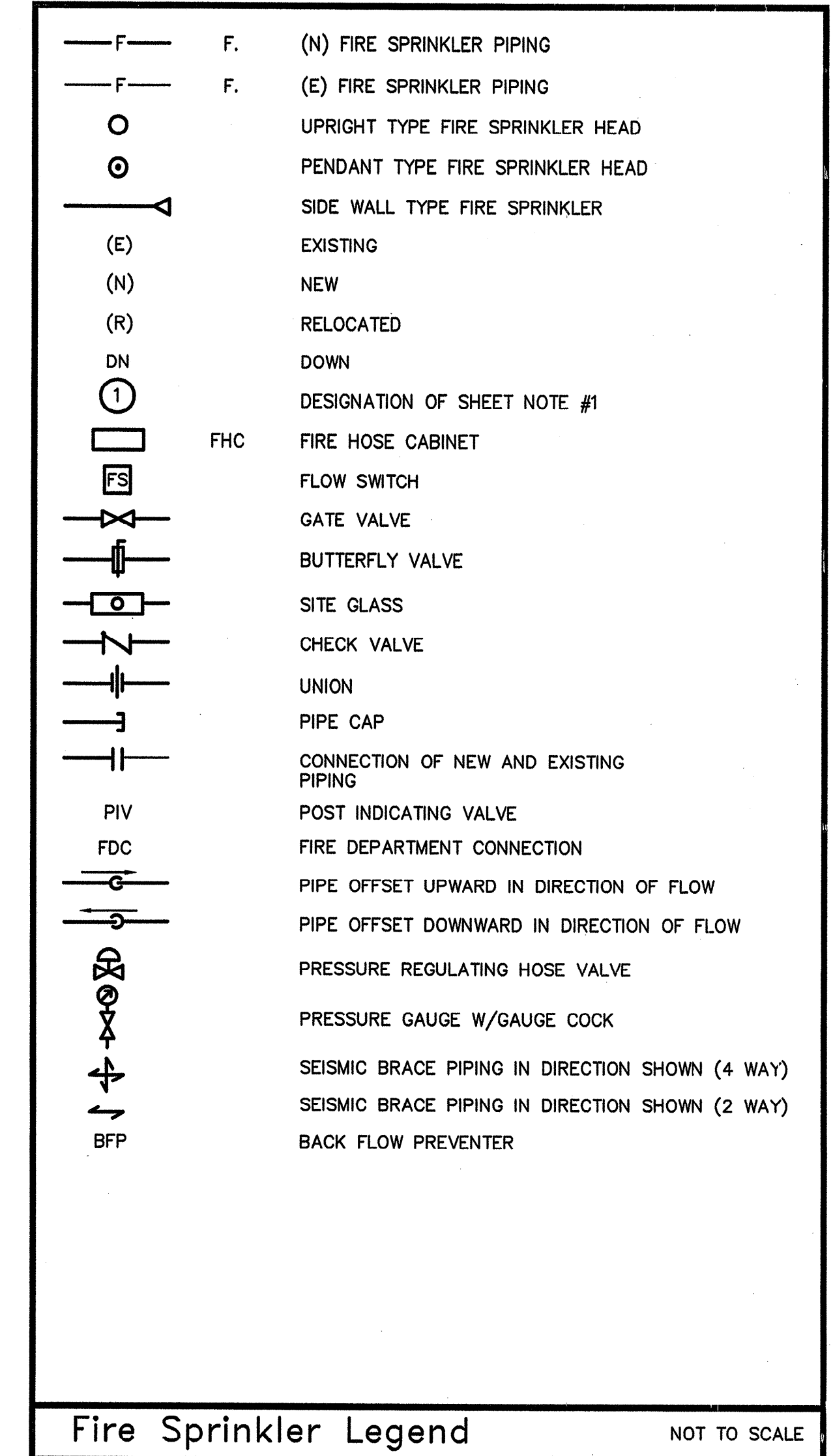
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General Notes

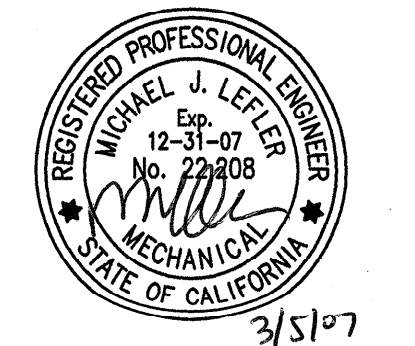
- THE INSTALLATION OF THE NEW SPRINKLER SYSTEM SHALL BE HUNG, BRACED, SLEEVED, AND TESTED IN ACCORDANCE WITH NFPA STANDARDS 13, THE REQUIREMENTS OF THE NAPA COUNTY FIRE DEPARTMENT, AND THE RECOMMENDATIONS OF THE EQUIPMENT MANUFACTURERS. ALL MATERIAL TO BE U.L. LISTED.
- SCOPE: INSTALL A NEW WET SPRINKLER SYSTEM COMPLETE WITH ALL PIPING, SPRINKLER HEADS, VALVES, FLOW AND TAMPER SWITCHES, AND OTHER REQUIRED ACCESSORIES.
- DESIGN DATA:
 - OCCUPANCY TYPE:
 - HAZARD CLASSIFICATION: ORDINARY GROUP 1, NFPA 13
 - CONSTRUCTION TYPE:
 - NUMBER OF STORIES: 1 STORY
 - ZONING: NONE
 - DEMANDS:
 - SPRINKLERS: 0.15 GPM OVER 1500 SQUARE FEET NFPA 13
 - TYPE OF PIPE: BLACK STEEL, SCHEDULE 10 AND 40, C=120
- WATER FLOW DATA:
 - STATIC PRESSURE: 105 PSI (VERIFY)
 - RESIDUAL PRESSURE: VERIFY
 - BACKFLOW PREVENTER: NEW
- RATED WALL PENETRATIONS: THERE ARE NEW PIPING PENETRATIONS THROUGH NEW FIRE BARRIERS. THESE PENETRATIONS SHALL BE FIRE PROOF SEALED WITH MATERIAL LISTED PER UL BUILDING MATERIAL DIRECTORY.
- NEW HYDRAULIC NAMEPLATES SHALL BE PROVIDED.
- NUMBER OF NEW SPRINKLERS: AS REQUIRED TO COMPLETE SYSTEM.
- TYPE OF HANGERS AND BRACING: SEE DETAILS.
- REFER TO THE SPECIFICATIONS AND TO THE DETAILS AND DIAGRAMS ON THE DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- EMERGENCY POWER IS NOT REQUIRED.
- PIPING SIZED BASED ON AN ORDINARY HAZARD PIPE SCHEDULE SYSTEM.



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WINE STORAGE BUILDING

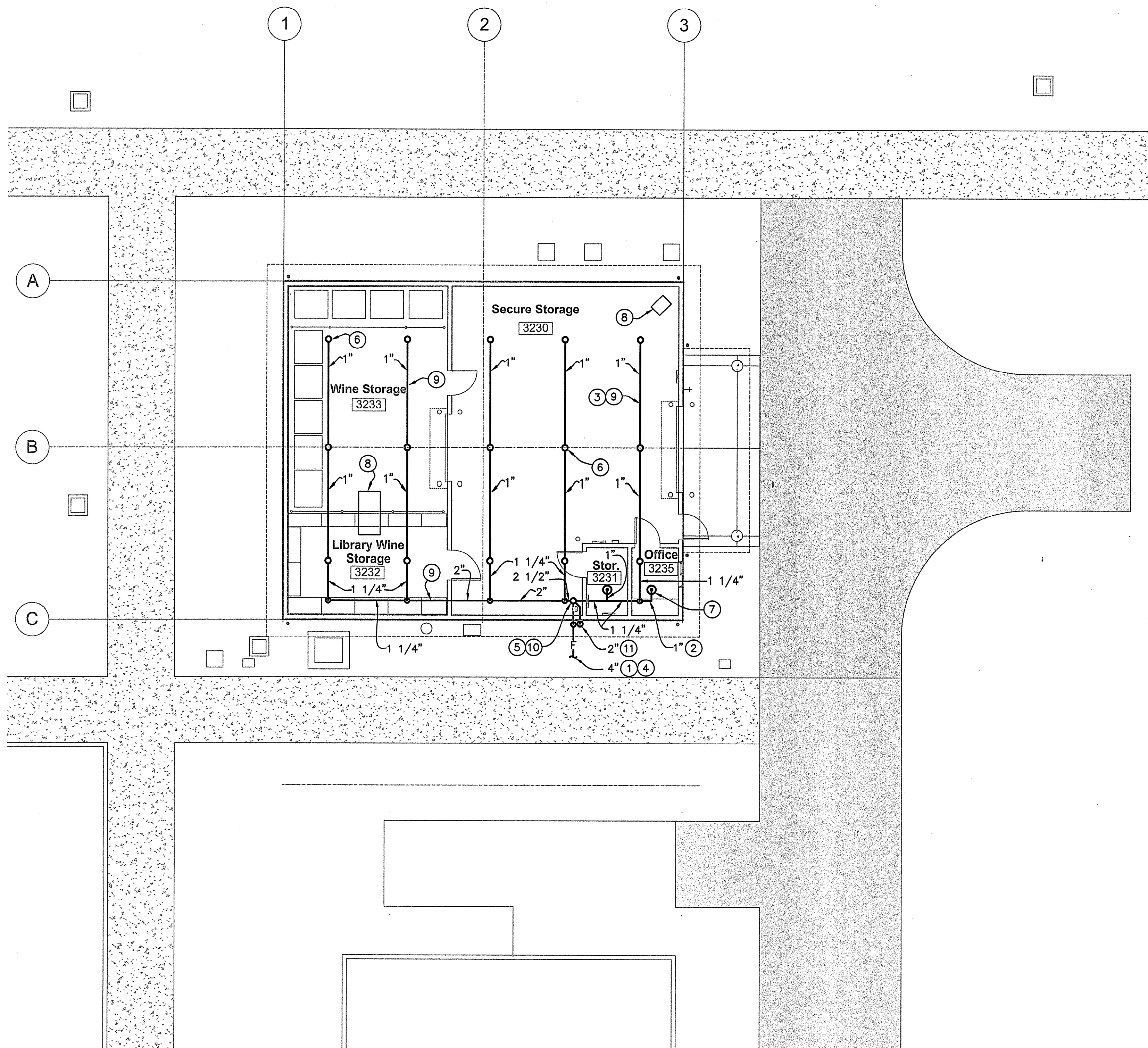
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 NAPA, CALIFORNIA

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FIRE PROTECTION NOTES, LEGEND, AND DETAILS

FP1.1



1 FIRE SPRINKLER SYSTEM FLOOR PLAN
 1/8" = 1'-0"

- Sheet Notes**
1. BELOW FLOOR/GRADE.
 2. AS HIGH AS POSSIBLE ABOVE CEILING, TYPICAL.
 3. AS HIGH AS POSSIBLE ABOVE FLOOR, TYPICAL.
 4. SEE CONTINUATION ON CIVIL ENGINEERING DRAWINGS.
 5. INSTALL FIRE SPRINKLER RISER. SEE DETAIL 1/FP1.1.
 6. INSTALL FIRE SPRINKLER HEAD, TYPICAL.
 7. INSTALL FIRE SPRINKLER HEAD AT CEILING, TYPICAL.
 8. MECHANICAL UNIT. SEE MECHANICAL DRAWINGS FOR EXACT LOCATION.
 9. SEE DETAIL 2/FP1.1 FOR TYPICAL PIPE SUPPORT DETAIL.
 10. BRACE TOP OF RISER. SEE DETAIL 2/FP1.1.
 11. TERMINATE DRAIN PIPE AT SPLASH BLOCK.

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FIRE SPRINKLER SYSTEM FLOOR PLAN

FP2.1

SYMBOLS LIST

	FLEXIBLE METALLIC CONDUIT
	HOMERUN TO PANELBOARD OR TERMINAL BOARD, AS NOTED ON PLANS
	COMPLETE CONNECTION OF EQUIPMENT
	CONDUIT STUBBED OUT, CAPPED AND MARKED
	CONDUIT TURNED UP
	CONDUIT TURNED DOWN
	#4/0 COPPER GROUNDING ELECTRODE CONDUCTOR, U.O.N.
	MECHANICAL EQUIPMENT DESIGNATION - SEE MECHANICAL PLANS
	LIGHT FIXTURE TYPE - SEE LIGHTING FIXTURE SCHEDULE
	DETAIL DESIGNATION, SEE DETAIL 3, SHEET E-6
	NUMBERED SHEET NOTE
	ABOVE FINISHED FLOOR
	CONDUIT
	CABLE TV
	CONDUIT ONLY
	COPPER
	ELECTRICAL CONTRACTOR
	ENERGY LIGHT FIXTURE WITH BATTERY PACK, SWITCHABLE
	EMERGENCY MANAGEMENT SYSTEM
	EXISTING
	EXISTING EQUIPMENT TO BE RELOCATED
	EXISTING EQUIPMENT TO BE DISCONNECTED AND REMOVED
	EXTERIOR
	GROUND FAULT CIRCUIT INTERRUPTING TYPE RECEPTACLE
	INTERMEDIATE DISTRIBUTION FRAME
	LOW VOLTAGE
	MAIN CIRCUIT BREAKER
	MAIN DISTRIBUTION FRAME
	MAIN LUGS ONLY
	MOUNTED
	NEW
	NATIONAL ELECTRIC CODE
	NOT IN ELECTRICAL CONTRACT
	NIGHT LIGHT FIXTURE WITH BATTERY PACK, ON 24 HOURS
	INDICATES FIXTURES ON PHOTOCCELL CONTROL
	PUBLIC ADDRESS
	PANEL
	SEE ARCHITECTURAL DRAWINGS
	SIGNAL TERMINAL CABINET
	INDICATES FIXTURES ON TIMECLOCK CONTROL
	TELEPHONE
	TRANSIENT VOLTAGE SURGE SUPPRESSION
	UNLESS OTHERWISE NOTED
	2-POLE, 3-WIRE GROUNDING TYPE
	VAV BOX, SEE DIV 15 DRAWINGS FOR LOCATIONS. PROVIDE TOGGLE TYPE DISCONNECT SWITCH
	WEATHER PROOF, NEMA 3R

LIST OF DRAWINGS

E0.1	SYMBOLS LIST, GENERAL NOTES, FIXTURE SCHEDULE & LIST OF DRAWINGS
E0.2	TITLE 24 COMPLIANCE DOCUMENTATION
E0.3	TITLE 24 COMPLIANCE DOCUMENTATION
E1.1	SITE PLAN - ELECTRICAL
E2.1	FLOOR PLAN - LIGHTING
E3.1	FLOOR PLAN - POWER AND SIGNAL
E5.1	SINGLE LINE DIAGRAM - POWER & PANEL SCHEDULE
E5.2	SINGLE LINE DIAGRAM - FIRE ALARM
E7.1	DETAILS
E7.2	DETAILS

SYMBOLS LIST

	MAIN SWITCHBOARD, DISTRIBUTION PANEL OR MOTOR CONTROL CENTER
	FLUSH MOUNTED PANELBOARD, 6'-6" TO TOP
	SURFACE MOUNTED PANELBOARD, 6'-6" TO TOP
	FUSED EQUIPMENT DISCONNECT SWITCH WITH FUSE SIZE AS RECOMMENDED BY EQUIPMENT MANUFACTURER
	MOTOR DISCONNECT SWITCH; HORSEPOWER RATED, NON FUSE.
	COMBINATION MAGNETIC MOTOR STARTER, MOTOR CIRCUIT PROTECTOR AND FUSIBLE DISCONNECT.
	MAGNETIC MOTOR STARTER
	MANUAL MOTOR STARTER WITH OVERLOAD PROTECTION
	MOTOR WITH FLEXIBLE CONDUIT CONNECTION AND DISCONNECT
	TRANSFORMER
	CONCRETE PULLBOX, SIZE AS REQUIRED OR SHOWN - CHRISTY OR EQUAL WITH LABELED LID PER USE
	COPPER GROUND ROD - 3/4"x 10'-0" LONG
	FLUSH CEILING MOUNTED JUNCTION BOX, U.O.N.
	FLUSH WALL MOUNTED JUNCTION BOX, UP 18" U.O.N.
	JUNCTION BOX FLUSH FLOOR MOUNTED.
	20A 3PG 125V DUPLEX RECEPTACLE, UP 18" U.O.N.
	20A 3PG 125V DUPLEX RECEPTACLE, WEATHERPROOF, UP 18" U.O.N.
	20A 3PG 125V DUPLEX RECEPTACLE, GROUND FAULT CIRCUIT INTERRUPTER TYPE, UP 18" U.O.N.
	20A 3PG 125V DUPLEX RECEPTACLE, ISOLATED GROUND TYPE, UP 18" U.O.N.
	20A 3PG 125V DUPLEX RECEPTACLE, MOUNTED ABOVE COUNTER, U.O.N.
	20A 3PG 125V DOUBLE DUPLEX RECEPTACLE, UP 18" U.O.N.
	20A 3PG 125V DOUBLE DUPLEX RECEPTACLE, MOUNTED ABOVE COUNTER, U.O.N.
	20A 3PG 125V SINGLE TWISTLOCK RECEPTACLE, NEMA LS-20R, UP 18" U.O.N.
	SPECIAL RECEPTACLE AS INDICATED ON PLANS
	LINE VOLTAGE THERMOSTAT, PROVIDED & INSTALLED BY DIV. 15, CONNECTED COMPLETE BY DIV. 16
	SURFACE MOUNTED WIREMOLD RACEWAY WITH RECEPTACLES AS INDICATED ON PLANS
	TERMINAL MOUNTING BACKBOARD, 3/4" PLYWOOD, DIMENSIONS AS NOTED ON PLANS, PAINT TO MATCH ADJACENT WALL SURFACE, MAINTAINING UL FIRE LABEL VISIBLE.
	TELEPHONE OUTLET, UP 18" U.O.N.
	TELEPHONE OUTLET, UP 48" U.O.N.
	COMBINED TELEPHONE/DATA OUTLET, UP 18" U.O.N.
	FIRE ALARM SYSTEM INTELLIGENT MANUAL PULL STATION, UP 48" U.O.N.
	FIRE ALARM SYSTEM HORN/STROBE, UP 80" U.O.N. NUMBER ADJACENT INDICATES CANDELA VALUE FOR STROBE
	WEATHERPROOF FIRE ALARM SYSTEM HORN/STROBE, UP 80" U.O.N. NUMBER ADJACENT INDICATES CANDELA VALUE FOR STROBE
	FIRE ALARM SYSTEM STROBE, UP 80" U.O.N. NUMBER ADJACENT INDICATES CANDELA VALUE FOR STROBE
	WEATHERPROOF FIRE ALARM SYSTEM HORN, UP 10'-6" U.O.N.
	FIRE ALARM SYSTEM SPRINKLER FLOW SWITCH. PROVIDE MONITOR MODULE
	FIRE ALARM SYSTEM SPRINKLER VALVE SUPERVISORY SWITCH. PROVIDE MONITOR MODULE
	FIRE ALARM SYSTEM CEILING MOUNTED SMOKE DETECTOR
	FIRE ALARM SYSTEM CEILING MOUNTED HEAT DETECTOR
	FIRE ALARM CONTROL MODULE
	FIRE ALARM SYSTEM HVAC DUCT MOUNTED SMOKE DETECTOR. COORDINATE WITH DIV. 15 FOR SUPPLY, INSTALL AND COMPLETE CONNECTION (INCLUDING CONTROL OF HVAC EQUIPMENT) - SEE SPECIFICATIONS
	FIRE ALARM SYSTEM END-OF-LINE RESISTOR
	FIRE SMOKE DAMPER BY DIVISION 15. COORDINATE WITH DIVISION 15 FOR MONITORING TO FIRE ALARM SYSTEM (INCLUDING SMOKE DETECTOR PROVISIONS). CONTROL OF DAMPER TO BE BY DIVISION 15, U.O.N. PROVIDE TOGGLE TYPE DISCONNECT SWITCH.
	FIRE ALARM CONTROL PANEL
	FIRE ALARM ANNUCIATOR PANEL
	WEATHERPROOF ENCLOSURE
	CONDUIT AND WIRE CONCEALED IN CEILING OR WALL
	CONDUIT AND WIRE CONCEALED IN OR UNDER SLAB OR UNDERGROUND
	CONDUIT AND WIRE RUN EXPOSED
	CROSSMARKS INDICATE QUANTITY OF #12 CONDUCTORS PLUS PARTY SIZED GROUND CONDUCTOR (INCLUDED BUT NOT INDICATED), NO HASHMARKS INDICATES (2) #12 CONDUCTORS PLUS PARTY SIZED GROUND CONDUCTOR, U.O.N.
	WIRE SIZE 10 AWG FOR ALL CONDUCTORS, INCLUDING GROUND WIRE, THROUGHOUT THE COMPLETE CIRCUIT

SYMBOLS LIST

	INDICATES EMERGENCY OR NITELITE FIXTURE WITH QUANTITY OF EMERGENCY BALLASTS AS DESIGNATED ON PLANS AND FIXTURE SCHEDULE.
	PENDANT MOUNTED FLUORESCENT UPLIGHT FIXTURE
	INDICATES AIRCRAFT CABLE SUPPORT POINT (VERIFY WITH MANUFACTURER)
	INDICATES PENDANT ELECTRICAL FEED POINT (VERIFY WITH MANUFACTURER)
	SURFACE CEILING, WALL OR COVE MOUNTED FLUORESCENT FIXTURE
	SURFACE OR PENDANT MOUNTED FLUORESCENT STRIP FIXTURE
	SURFACE CEILING MOUNTED COMPACT FLUORESCENT, H.I.D. OR INCANDESCENT FIXTURE
	WALL MOUNTED COMPACT FLUORESCENT, H.I.D. OR INCANDESCENT FIXTURE
	WALL MOUNTED EXIT SIGN WITH INTEGRAL EMERGENCY BATTERY BACK-UP WHERE NOTED ON FIXTURE SCHEDULE, ARROWS AS NOTED ON PLANS. HATCHED AREA INDICATES NUMBER OF FACES.
	CEILING MOUNTED EXIT SIGN WITH INTEGRAL EMERGENCY BATTERY BACK-UP WHERE NOTED ON FIXTURE SCHEDULE, ARROWS AS NOTED ON PLANS. HATCHED AREA INDICATES NUMBER OF FACES.
	LINE VOLTAGE SINGLE POLE TOGGLE SWITCH, LETTER ADJACENT INDICATES RESPECTIVE ZONE CONTROLLED, UP 48" U.O.N.
	LINE VOLTAGE TWO POLE TOGGLE SWITCH, UP 48" U.O.N.
	LINE VOLTAGE THREE-WAY TOGGLE SWITCH, UP 48" U.O.N.
	LINE VOLTAGE KEY OPERATED TOGGLE SWITCH INSTALLED AT EQMP. SHOWN.
	LINE VOLTAGE MOTOR RATED TOGGLE SWITCH
	LINE VOLTAGE TOGGLE SWITCH WITH PILOT LIGHT, LIGHT IS ON WHEN CIRCUIT IS OPEN, UP 48" U.O.N.
	WALL MOUNTED SWITCH TYPE INFRARED OCCUPANCY SENSOR; UP 48" U.O.N.; WATSTOPPER #WA-200 (SINGLE) AND #WA-300 (DUAL) AS NOTED BY LETTERS ADJACENT. SET TO FIXED 30 MINUTE TIME DELAY AND MAX SENSITIVITY.

FIXTURE SCHEDULE

EX1	DESCRIPTION:	SINGLE FACE LED EXIT SIGN WITH DIE CAST ALUMINUM HOUSING AND FACE PLATE WITH HINGE, GREEN STENCIL LETTERS, SELF-TEST AND SELF-DIAGNOSTIC, WHITE BODY COLOR.
	MANUFACTURER:	EVENLITE #CCDS-EM-G-1-WW-1B-5D
	BALLAST:	(0) LED
	LAMPS:	5
	WATTAGE:	120
	VOLTAGE:	
	REMARKS:	
FA1	DESCRIPTION:	4'-0" LONG CHAIN HUNG FLUORESCENT INDUSTRIAL LUMINAIRE; HEAVY STEEL HOUSING, 15% UPLIGHT REFLECTOR WITH LAMINATED SILVER-METALLIZED POLYESTER PLASTIC FILM FOR HIGHER EFFICIENCY, HIGH GLOSS BAKED WHITE ENAMEL FINISH.
	MANUFACTURER:	COLUMBIA #KL4-232-SLR-EB8-120-CHAIN HUNG
	BALLAST:	ELECTRONIC
	LAMPS:	(2) F032T8/835
	WATTAGE:	59
	VOLTAGE:	120
	REMARKS:	CHAIN HANG FIXTURE 12'-0" TO BOTTOM OF FIXTURE; VERIFY LENGTHS IN FIELD.
FA1E	DESCRIPTION:	SAME AS FA1 EXCEPT WITH BODINE EMERGENCY BALLAST #850ST.
	MANUFACTURER:	COLUMBIA #KL4-232-SLR-EB8-120-BODINE-CHAIN HUNG
	BALLAST:	ELECTRONIC
	LAMPS:	(2) F032T8/835
	WATTAGE:	59
	VOLTAGE:	120
	REMARKS:	CHAIN HANG FIXTURE 12'-0" TO BOTTOM OF FIXTURE; VERIFY LENGTHS IN FIELD.
FB1	DESCRIPTION:	4'-0" LONG AIR CRAFT CABLE MOUNTED FLUORESCENT WRAPAROUND; DIE-FORMED ALUMINUM HOUSING AND END CAPS, RIBBED AND CURVED ACRYLIC DIFFUSER, TEXTURED NON-GLARE WHITE FINISH PAINTED AFTER FABRICATION.
	MANUFACTURER:	H E WILLIAMS #ASMS-4-232-A-EB2
	BALLAST:	ELECTRONIC
	LAMPS:	(2) F032T8
	WATTAGE:	59
	VOLTAGE:	120
	REMARKS:	AIRCRAFT CABLE MOUNT FIXTURE 8'-0" ABOVE FINISHED FLOOR.
FC1	DESCRIPTION:	17" DIAMETER SURFACE MOUNTED FLUORESCENT LUMINAIRE; MARINE GRADE DIE-CAST ALUMINUM BASEPLATE, HIGH IMPACT RESISTANT VIRGIN INJECTION MOLDED PEARLESCEENT POLYCARBONATE LENS, NEOPRENE GASKETING, LIGHT GREY FINISH.
	MANUFACTURER:	KENALL #MR17FL-PP-LG-42P-2-120
	BALLAST:	
	LAMPS:	(2) CFTR42W/835
	WATTAGE:	116
	VOLTAGE:	120
	REMARKS:	

GENERAL SHEET NOTES

- PRIOR TO BID THE CONTRACTOR SHALL VISIT THE SITE TO ADEQUATELY DETERMINE ALL PRE-EXISTING CONDITIONS. BY THE ACT OF SUBMITTING A BID, THE CONTRACTOR WILL BE DEEMED TO HAVE COMPLIED WITH THE FOREGOING, TO HAVE ACCEPTED SUCH CONDITIONS, AND TO HAVE MADE ALLOWANCES THEREFORE IN PREPARING THE BID.
- PROVIDE PARTLY SIZED GREEN GROUND WIRE IN ALL POWER CONDUITS, BRANCH CIRCUITS (LIGHTING & POWER) AND HOMERUNS. PROVIDE ADDITIONAL ISOLATED GROUND, GREEN WITH YELLOW STRIPE, TO ALL ISOLATED GROUND RECEPTACLES.
- PROVIDE PULLROPE IN ALL EMPTY CONDUITS THROUGHOUT THE PROJECT.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS, ELEVATIONS, AND DETAILS FOR EXACT LOCATION & CONNECTION REQUIREMENTS OF ALL LIGHTING FIXTURES. COORDINATE LOCATIONS OF ALL LIGHTING FIXTURES, OUTLETS AND JUNCTION BOXES WITH DIVISION 15 PRIOR TO ROUGH-IN.
- REFER TO MECHANICAL PLANS FOR EXACT LOCATION OF ALL MECHANICAL EQUIPMENT. VERIFY EXACT LOCATION AND CONNECTION REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH DIVISION 15 PRIOR TO ROUGH-IN. VERIFY EXACT REQUIREMENTS FOR VOLTAGE, PHASE, HORSE-POWER, OR KVA RATINGS, OF ALL DIVISION 15 EQUIPMENT REQUIRING ELECTRICAL CONNECTION.
- VERIFY EXACT CONNECTION REQUIREMENTS, OUTLET TYPE, HEIGHT, AND LOCATION OF ALL OWNER SUPPLIED EQUIPMENT OR EQUIPMENT PROVIDED UNDER OTHER SECTIONS OF THE SPECIFICATIONS PRIOR TO ROUGH-IN. REFER TO ARCHITECTURAL DRAWINGS FOR EQUIPMENT LOCATIONS.
- COORDINATE TRENCHING WITH OWNER AND OTHER TRADES BEFORE BEGINNING WORK.
- ALL CONDUIT PENETRATIONS THROUGH FIRE-RATED WALLS AND FLOORS SHALL BE SEALED AND EQUIPPED WITH U.L. LISTED FIRE PENETRATION ASSEMBLIES TO MAINTAIN FIRE SEPARATION RATING.
- DO NOT INSTALL ANY OUTLETS BACK TO BACK IN STUD WALLS OR DE-MOUNTABLE PARTITIONS.
- THE CONTRACTOR SHALL VERIFY ALL CEILING TYPES BEFORE ORDERING OF FIXTURES. ALSO VERIFY THAT ALL FEATURES CALLED FOR IN FIXTURE DESCRIPTIONS ON THE FIXTURE SCHEDULE ARE INCLUDED WITH CATALOG NUMBERS LISTED ON THE FIXTURE SCHEDULE AND ARE INCLUDED AS PART OF THE LIGHTING SUBMITTALS FOR THIS PROJECT. IF A DISCREPANCY EXISTS, CONTACT THE ARCHITECT AND ELECTRICAL ENGINEER FOR CLARIFICATION PRIOR TO BID.
- CIRCUITRY AND CONDUIT ROUTING SHOWN ON THE PLANS IS DIAGRAMMATIC ONLY. THIS CONTRACTOR IS RESPONSIBLE FOR BECOMING COMPLETELY FAMILIAR WITH THE ARCHITECTURAL AND STRUCTURAL CONDITIONS AND LIMITATIONS IN THE BUILDING AND TO PROVIDE ALL LABOR, TOOLS AND MATERIALS REQUIRED TO PRODUCE A COMPLETELY CONCEALED INSTALLATION WHEREVER INDICATED ON THE PLANS.
- MAINTAIN "AS-BUILT" RECORDS AT ALL TIMES, SHOWING EXACT LOCATION OF ALL UNDERGROUND AND/OR CONCEALED CONDUITS AND SERVICES INSTALLED UNDER THIS CONTRACT, INCLUDING CIRCUIT IDENTIFICATION WHERE APPLICABLE. PROVIDE OWNER WITH "AS-BUILT" DOCUMENTS AS INDICATED IN THE SPECIFICATIONS.
- DRAWINGS INDICATE THE LOCATION OF DEVICES, FIXTURES AND EQUIPMENT AND THE CIRCUIT NUMBER AND PANEL DESIGNATION WHICH SUPPLIES THEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETELY CONNECTING ALL ELECTRICAL DEVICES TO CIRCUITS INDICATED ON THE DRAWINGS.
- UNLESS OTHERWISE NOTED, ALL WORK SHOWN ON DRAWINGS IS NEW AND TO BE PROVIDED AND INSTALLED UNDER THIS CONTRACT.
- ALL EQUIPMENT GROUNDING SHALL CONFORM TO ARTICLE 250 OF THE NATIONAL ELECTRIC CODE, LATEST EDITION.
- ALL EXTERIOR CONDUIT ABOVE GRADE INCLUDING ALL ROOF MOUNTED CONDUIT, SHALL BE RIGID GALVANIZED STEEL. COAT ALL EXPOSED THREADS WITH GALVANIZING PAINT.
- ALL ELECTRICAL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH THE LATEST EDITION OF THE N.E.C., AS WELL AS STATE, AND LOCAL CODES AND REQUIREMENTS.
- ALL CONDUIT SHALL BE CONCEALED, UNLESS OTHERWISE NOTED.
- EQUIPMENT OVERLOADS AND FUSES SHALL BE PROVIDED AND INSTALLED AS PER NAME PLATE ON THE EQUIPMENT ACTUALLY PROVIDED.
- THE CONTRACTOR SHALL PAY FOR ALL REQUIRED PERMITS AND INSPECTION FEES.
- THE CONTRACTOR SHALL VERIFY ALL CRITICAL DIMENSIONS WITH THE ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN.
- ALL EXIT SIGNS SHALL COMPLY WITH THE RELEVANT PORTIONS OF SECTIONS 1003 AND 1007 OF THE CBC.
- COORDINATE INSTALLATION OF ALL RECESSED LIGHT FIXTURES WITH DIVISION 15 PRIOR TO INSTALLATION OF HVAC DUCTS AND SPRINKLER HEADS. ENSURE AFTER INSTALLATION OF FIXTURES THAT THERE IS NO CONTACT BETWEEN DUCTS AND FIXTURES TO AVOID VIBRATION IN FIXTURES.
- PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR ALL BRANCH CIRCUITS FEEDING OUTLETS AS NOTED ON THE DRAWINGS.
- FOR FLUSH MOUNTED PANELBOARDS THE CONTRACTOR SHALL STUB FOUR(4) 3/4" CONDUITS FROM THE PANEL INTO THE ACCESSIBLE CEILING ABOVE FOR FUTURE CIRCUITS.
- ALL CONDUIT CONNECTORS TO OUTLET OR JUNCTION BOXES SHALL HAVE INSULATED THROATS (MANUFACTURED AS AN INTEGRAL PART OF THE CONNECTOR). AFTER-MARKET INSERTABLE THROATS ARE NOT ACCEPTABLE.
- ALL CIRCUITS IN ALL JUNCTION BOXES AND DEVICES SHALL BE CLEARLY IDENTIFIED BY MEANS OF "EZ" NUMBERING TAGS OR EQUIVALENT TO IDENTIFY THE CIRCUIT NUMBER OR RELAY SUPPLYING THE CONDUCTOR. ALL JUNCTION BOXES SHALL BE LABELED PER SPECIFICATIONS SECTION 16050.
- ALL SURFACE MOUNTED POWER AND SIGNAL BOXES IN FINISHED AREAS SHALL BE WIREMOLD TYPE WITH MATCHING RACEWAYS. SURFACE MOUNTED STEEL JUNCTION BOXES AND/OR EMT ARE NOT ACCEPTABLE.
- ALL LOCATIONS OF BARE METAL SURFACE MOUNTED CONDUIT, BOXES, PANEL COVERS, AND RELATED FITTINGS OR ACCESSORIES INSTALLED IN FINISHED AREAS (BOTH INTERIOR AND EXTERIOR) SHALL BE FINISH PAINTED TO MATCH THE SURFACE TO WHICH THEY ARE MOUNTED TO (AFTER INSTALLATION). PAINTING SHALL INCLUDE DIFFERENT COLORS AS REQUIRED TO MATCH EXISTING STRIPING OR OTHER BUILDING FEATURES TO WHICH THE EQUIPMENT IS ATTACHED AND VISIBLE. VERIFY EXACT LOCATION AND ROUTING WITH ARCHITECT PRIOR TO ROUGH.
- PROVIDE A BLANK COVER PLATE (COLOR TO MATCH ADJACENT DEVICES OR AS SPECIFICALLY CALLED FOR IN SPECIFICATIONS) FOR ALL JUNCTION BOXES (NEW AND EXISTING) ON THE PROJECT WHEN NO DEVICE IS INSTALLED.
- FOR OUTDOOR 15 AND 20-AMPERE, 125 - AND 250-VOLT RECEPTACLES: RECEPTACLES LOCATED IN "WET" LOCATIONS SHALL HAVE "IN-USE" TYPE WEATHERPROOF COVER PLATES PROVIDED AND INSTALLED; RECEPTACLES LOCATED IN "DAMP" LOCATIONS SHALL HAVE "IN-USE" TYPE WEATHERPROOF COVER PLATES IN LOCATIONS DEEMED TO BE "IN-USE" WITH CORD AND PLUG ATTACHED.

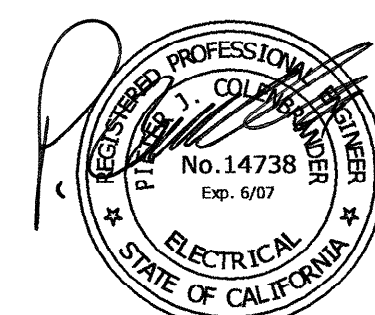
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NAPA VALLEY COLLEGE
 WINE STORAGE BUILDING

2277 NAPA-VALLEJO HWY. NAPA, CA 94558

NAPA COMMUNITY COLLEGE DISTRICT
 NAPA, CALIFORNIA

PROJECT NUMBER:
05067.00

DATE:
March 2, 2007

DRAWN BY:

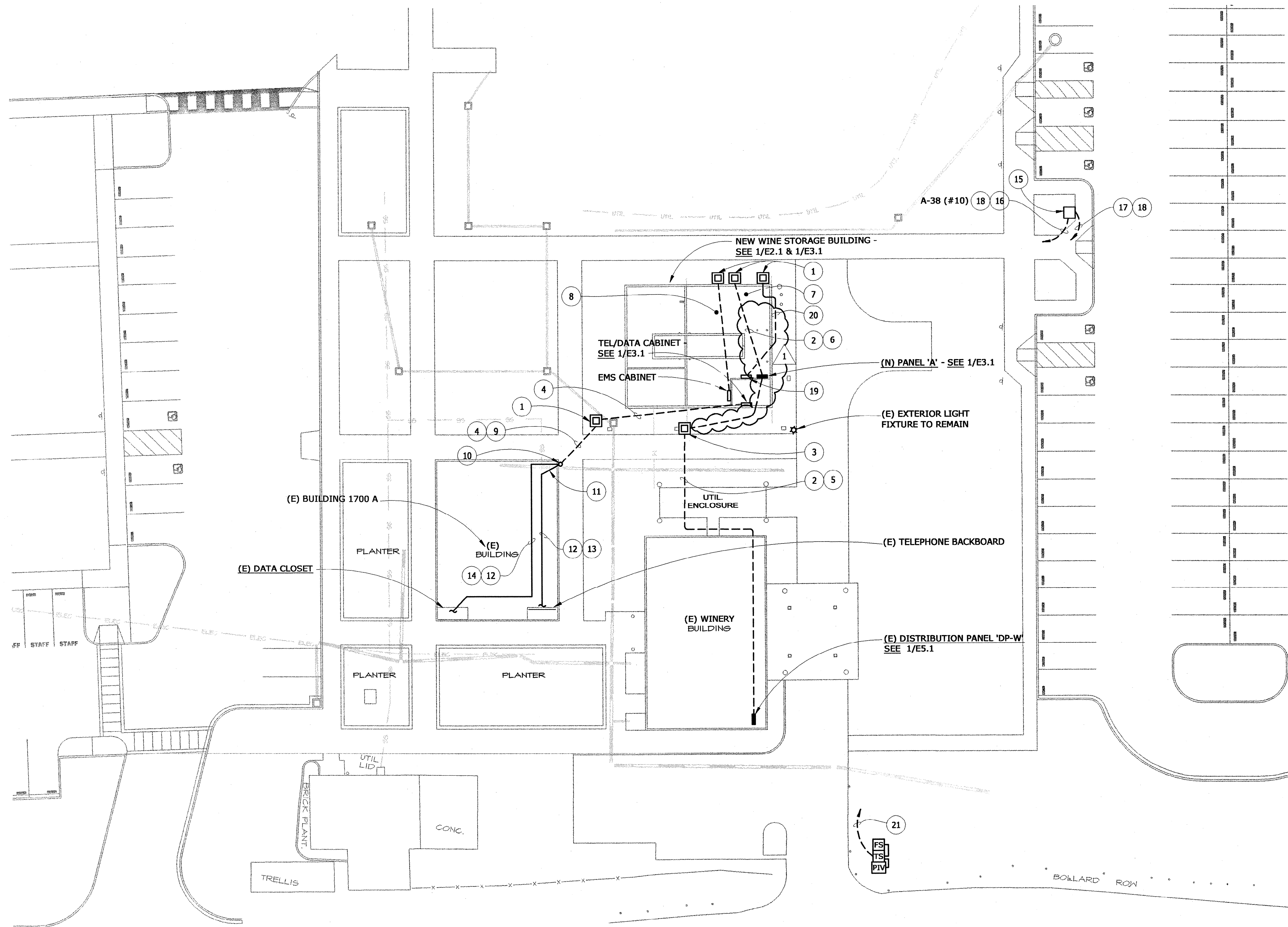
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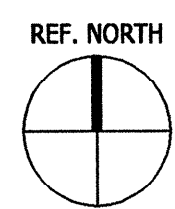
March 2, 2007 Plan Check Revisions

SYMBOLS LIST,
 GENERAL NOTES,
 FIXTURE SCHEDULE
 & DIAGRAMS

E0.1



SITE PLAN - ELECTRICAL
 SCALE: 1" = 20'-0"
 FILE: ... Site Plan

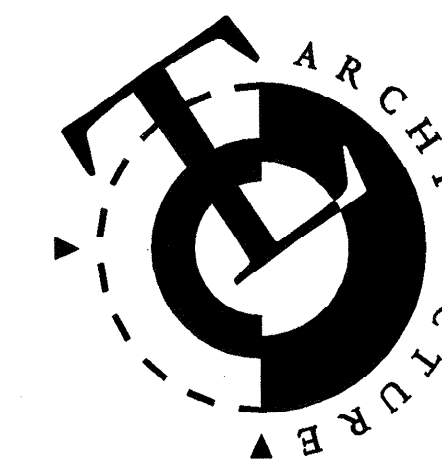


NUMBERED SHEET NOTES

- 1 PROVIDE AND INSTALL PULLBOX CHRISTY #N36 WITH FULL TRAFFIC COVER. SEE 7/E7.1.
- 2 SEE 1/E5.1 FOR NEW FEEDERS.
- 3 (E) PULLBOX.
- 4 PROVIDE AND INSTALL CAT-6 CABLE IN 2" CONDUIT FOR THE FOLLOWING:
 (2) - TELEPHONE LINES FOR FIRE ALARM
 (4) - TELEPHONE LINES FOR OFFICE TELEPHONES
 (4) - DATA LINES FOR OFFICE DATA OUTLETS.
 (2) - DATA LINES FOR E.M.S.
 (2) - TELEPHONE LINES FOR BLUE PHONE
- 5 EXISTING 2 1/2" CONDUIT FROM EXISTING PULL BOX TO THE EXISTING DISTRIBUTION PANEL IN THE EXISTING WINERY BUILDING. THE EXISTING CONDUIT SHALL BE USED FOR THE NEW FEEDERS TO THE NEW PANEL IN THE WINE STORAGE BUILDING, SEE 1/E5.1. FIELD VERIFY CONDUIT ROUTING PRIOR TO PURCHASE OF FEEDERS.
- 6 PROVIDE AND INSTALL NEW FEEDERS IN NEW UNDERGROUND CONDUIT. THE NEW FEEDER CONDUIT SHALL EXTEND FROM THE EXISTING PULLBOX TO THE NEW PANEL BOARD, SEE 1/E5.1.
- 7 PROVIDE AND INSTALL (2) 2" CONDUITS AND (3) 1" CONDUITS FROM PANEL 'A' TO PULL BOX FOR FUTURE USE.
- 8 PROVIDE AND INSTALL, (1) 2" CONDUIT FROM E.M.S. CABINET TO PULL BOX FOR FUTURE E.M.S. FIBER OPTIC CABLE.
- 9 BORE UNDER EXISTING WALKWAY FOR CONDUIT.
- 10 RISE UP ON THE EXTERIOR OF THE EXISTING BUILDING. PAINT CONDUIT TO MATCH EXISTING WALL.
- 11 CABLES TO ENTER BUILDING ABOVE DROP CEILING.
- 12 INSTALL CABLES ABOVE DROP CEILING. PROVIDE AND INSTALL J-HOOKS TO SUPPORT THE CABLES.
- 13 PROVIDE AND INSTALL THE TELEPHONE LINES NOTED IN NOTE 4 ABOVE TO THE EXISTING TELEPHONE BACKBOARD AND CONNECT COMPLETE. COORDINATE WITH COLLEGE PRIOR TO TERMINATING CABLES.
- 14 PROVIDE AND INSTALL THE DATA LINES NOTED IN NOTE 4 ABOVE TO THE EXISTING DATA CLOSET AND CONNECT COMPLETE. COORDINATE WITH COLLEGE PRIOR TO TERMINATING CABLES.
- 15 INSTALL OWNER PROVIDED EMERGENCY PHONE. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO EXCAVATION AND ROUGH IN. THE EMERGENCY PHONE SHALL BE FREESTANDING TYPE AS MANUFACTURED BY RAMTEL INC. TYPE PLC-7, STAINLESS STEEL TRIANGLE COLUMN WITH 50 WATT SODIUM BLUE LIGHT, PHONE PANEL LIGHT, AND BUILT IN HEATER. GRAPHICS WORDING ON SIDES OF TOWER SHALL BE "ASSISTANCE". PROVIDE AND INSTALL CONCRETE BASE PER MANUFACTURERS REQUIREMENTS. PROVIDE, INSTALL AND CONNECT COMPLETE AN AUTO-DIAL HANDS FREE PHONE RAMTEL MODEL NUMBER RR733/2 WITH PROVISIONS TO DIAL THREE DIFFERENT NUMBERS TO BE SELECTED BY THE COLLEGE. THE PHONE SHALL BE PROVIDED WITH CUSTOM SILK-SCREENED LOGO'S AND BUTTON FUNCTION LABELS PHONE PANEL TO BE ADA COMPLIANT WITH BRAILLE PLAQUE.
- 16 PROVIDE AND INSTALL 120 VOLT BRANCH CIRCUIT TO (N) EMERGENCY PHONE FROM PANEL A.
- 17 PROVIDE AND INSTALL (2) NEW TELEPHONE LINES IN 1" CONDUIT TO THE BLUE PHONE AND CONNECT COMPLETE. THE TELEPHONE LINES ARE TO BE INSTALLED TO BUILDING 1700A VIA THE NEW WINE STORAGE BUILDING, SEE 1/E3.1.
- 18 BORE UNDER EXISTING WALKWAYS FOR NEW CONDUITS.
- 19 NEW FIRE ALARM PANEL, SEE 1/E3.1.
- 20 PROVIDE AND INSTALL 2" CONDUIT TO PULL BOX FOR FUTURE FIRE ALARM FIBER BACKBONE CONNECTION.
- 21 PROVIDE AND INSTALL FIRE ALARM WIRING TO FIRE SPRINKLER DEVICES AS INDICATED IN 1" UNDERGROUND CONDUIT, SEE 1/E5.2.

NOTE: ALL TELEPHONE & DATA CABLES TO BE PLENUM RATED BOTH WITHIN THE BUILDING AND UNDERGROUND

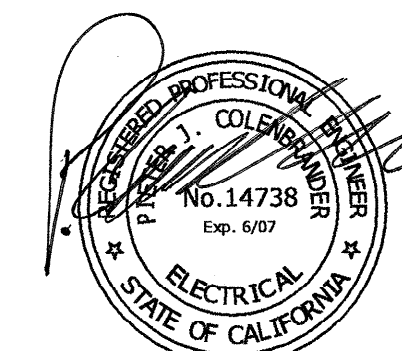
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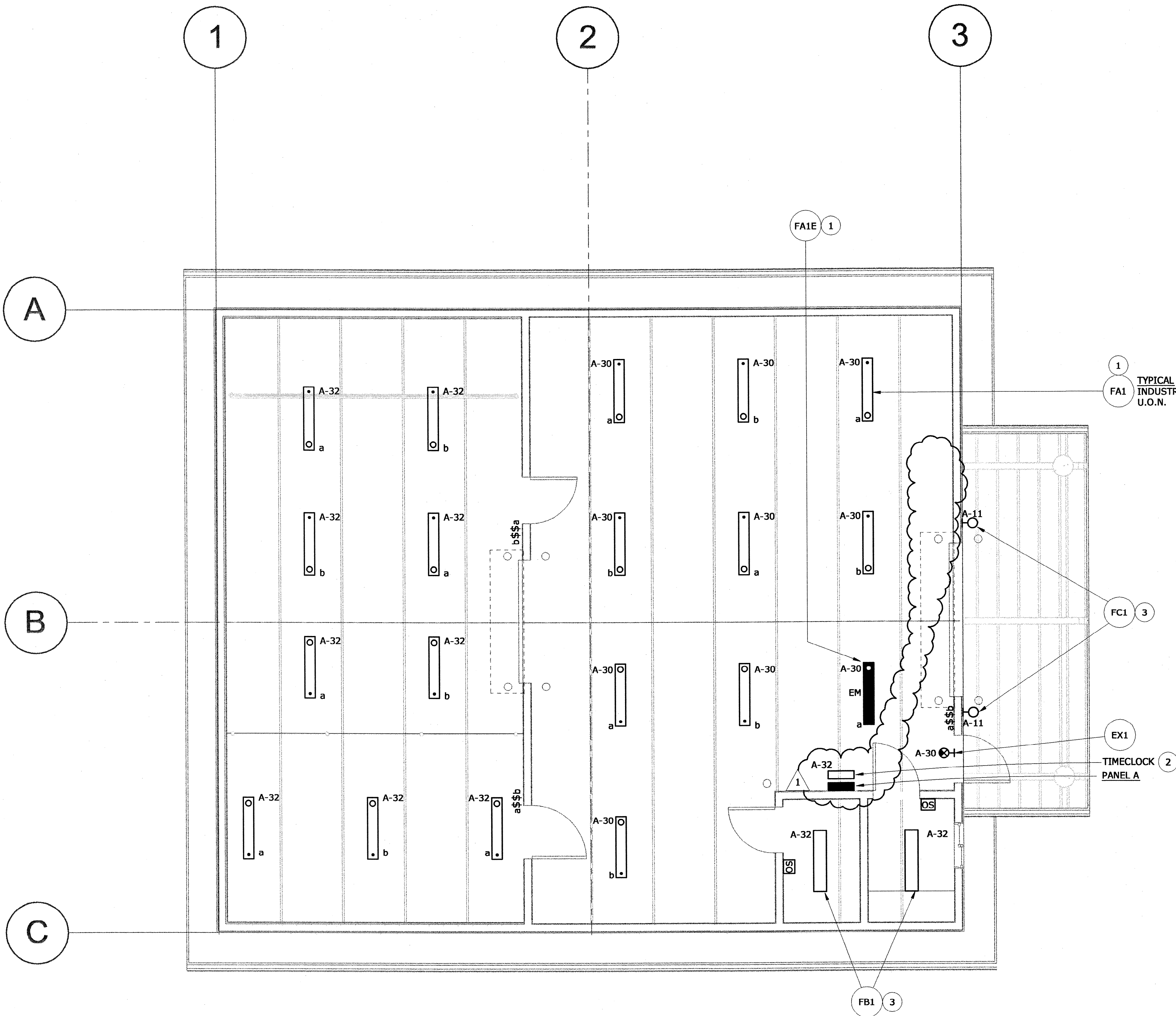
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SITE PLAN - ELECTRICAL

E1.1

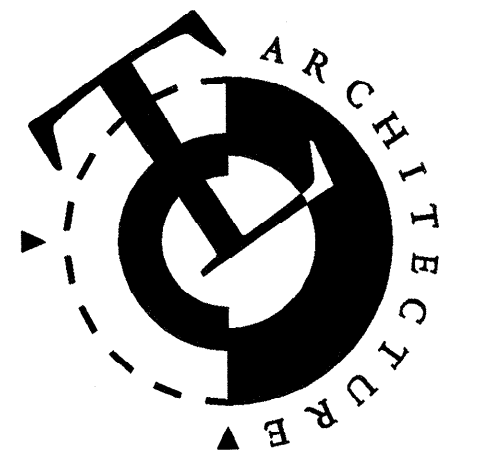
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NUMBERED SHEET NOTES

- 1 CHAIN HANG FIXTURES IN-BETWEEN TRUSSES AT 12'-0" A.F.F. TO BOTTOM OF FIXTURE.
- 2 MULTI-PURPOSE 4-CHANNEL DIGITAL ASTRONOMIC TIMECLOCK, TORK #DZS-400A.
 - a) CHANNEL 1 SHALL CONTROL LIGHTS ON CIRCUIT A-30;
 - b) CHANNEL 2 SHALL CONTROL LIGHTS ON CIRCUIT A-32;
 - c) CHANNEL 3 SHALL CONTROL LIGHTS ON CIRCUIT A-11;
 - d) CHANNEL 4 IS SPARE.
- 3 MOUNT FIXTURE AT 8'-6" A.F.G. TO CENTER OF FIXTURE. VERIFY EXACT MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.
- 4 AIR CRAFT CABLE MOUNT FIXTURES IN-BETWEEN TRUSSES AT 8'-0" A.F.F. TO BOTTOM OF FIXTURE.

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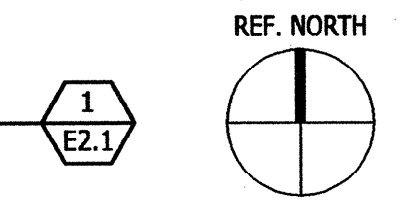
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FLOOR PLAN - LIGHTING

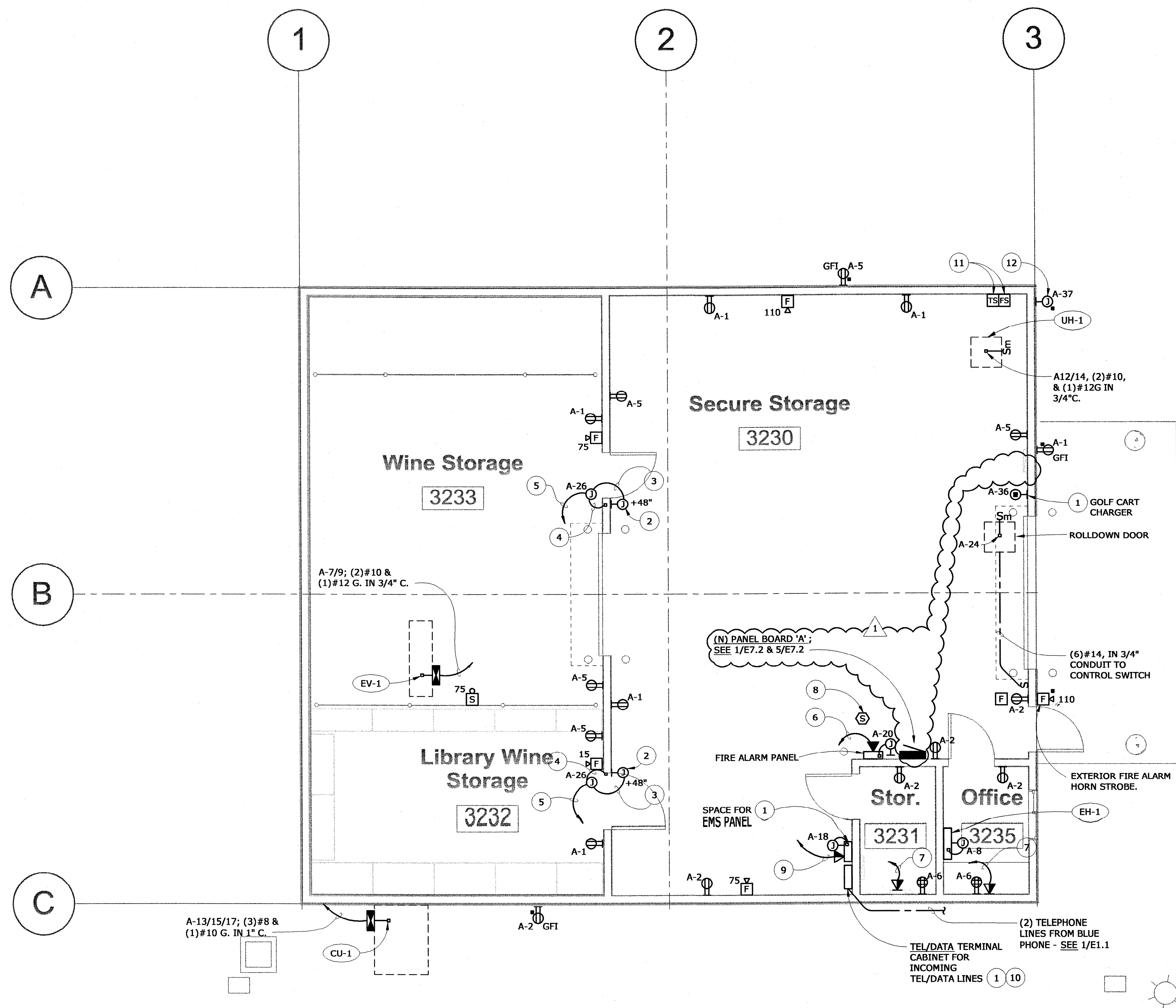
E2.1

FLOOR PLAN - LIGHTING

SCALE: 1/4" = 1'-0"
 FILE: ... A1(01-03-07) + A4 (01-03-07)



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NUMBERED SHEET NOTES

- 1 COORDINATE LOCATION PRIOR TO ROUGH-IN.
- 2 PROVIDE AND INSTALL J-BOX FOR ANDOVER CARD READER.
- 3 PROVIDE AND INSTALL 3/4" CONDUIT TO J-BOX AT CEILING.
- 4 PROVIDE AND INSTALL 1/2" CONDUIT TO THE ELECTRIC LOCKSET.
- 5 PROVIDE AND INSTALL 3/4" CONDUIT HOMERUN TO EMS PANEL.
- 6 PROVIDE AND INSTALL (2) CAT-6 TELEPHONE LINES TO BUILDING 1700A VIA THE TEL/DATA TERMINAL CABINET, SEE NOTE 10 BELOW. SEE 1/E1.1.
- 7 PROVIDE AND INSTALL (4) CAT-6 CABLES (2 FOR TELEPHONE LINES AND 2 FOR DATA LINES) TO BUILDING 1700A VIA THE TEL/DATA TERMINAL CABINET, SEE NOTE 10 BELOW. SEE 1/E1.1 AND 1/E7.1.
- 8 INSTALL SMOKE DETECTOR ABOVE FIRE ALARM PANEL.
- 9 PROVIDE AND INSTALL (2) CAT-6 DATA LINES TO BUILDING 1700A VIA THE TEL/DATA TERMINAL CABINET, SEE NOTE 10 BELOW. SEE 1/E1.1.
- 10 PROVIDE AND INSTALL 18"x18"x6" DEEP TERMINAL CABINET FOR HOME RUN TELEPHONE/DATA CABLES TO BUILDING 1700A. THE HOME RUN CABLES SHALL PASS THROUGH THE TERMINAL CABINET WITHOUT SPLICING.
- 11 COORDINATE LOCATION WITH FIRE SPRINKLER CONTRACTOR PRIOR TO ROUGH IN, SEE 1/E5.2.
- 12 120 VOLT CIRCUIT FOR FIRE SPRINKLER BELL COORDINATE LOCATION WITH FIRE SPRINKLER CONTRACTOR, SEE 1/E5.2.

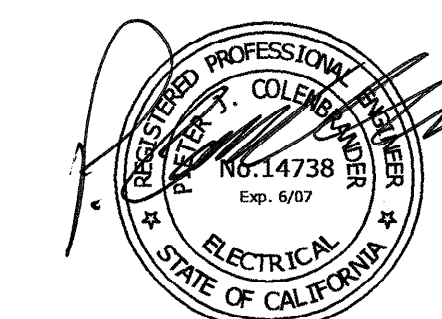
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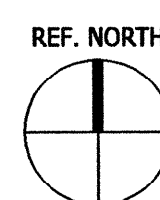
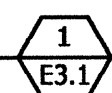
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FLOOR PLAN -
 POWER &
 SIGNAL

E3.1

FLOOR PLAN - POWER & SIGNAL

SCALE: 1/4" = 1'-0"
 FILE: ... A1 (01-03-07)



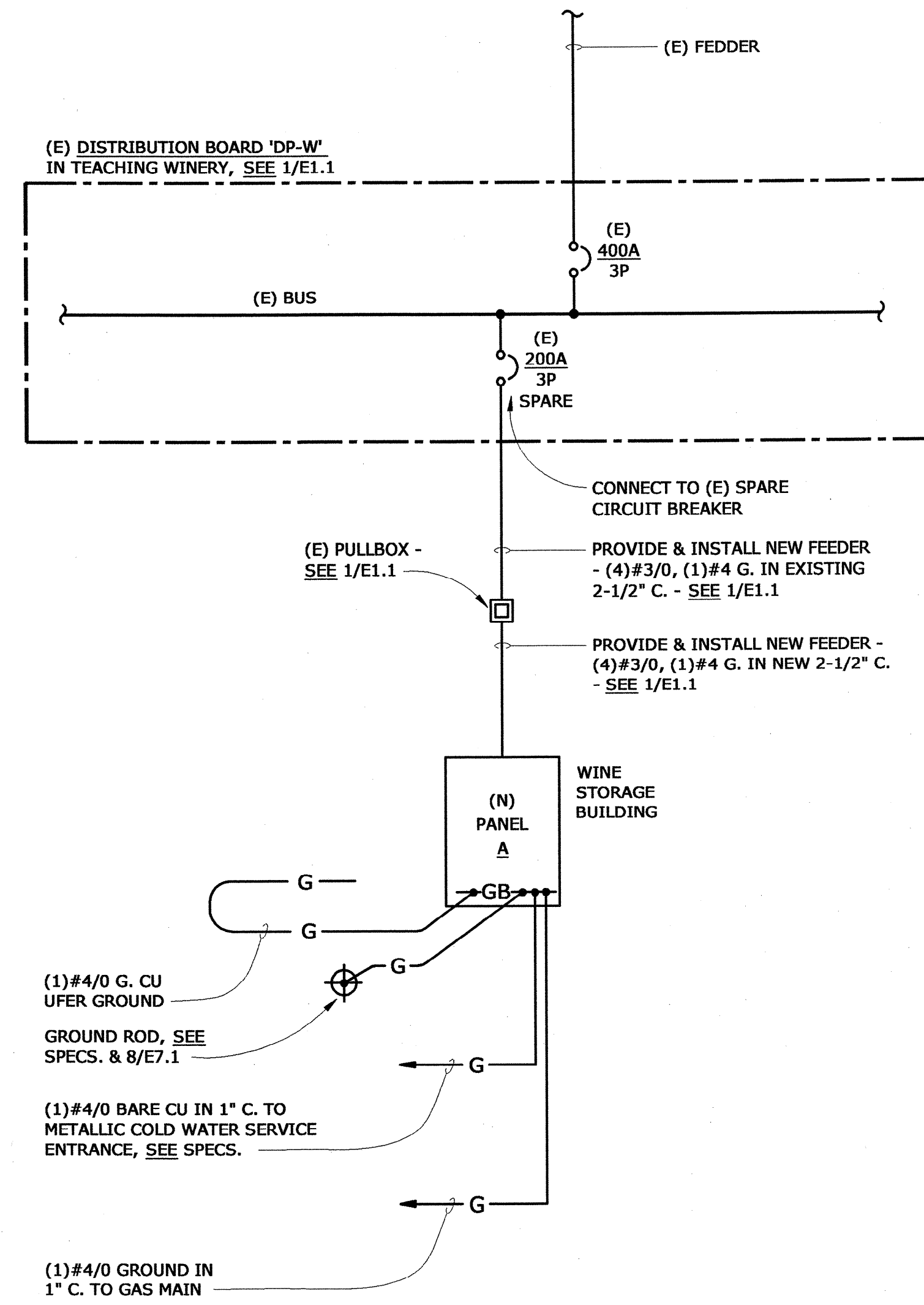
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PANEL A												
VOLTS: 120 / 240 V DELTA			REMARKS:			MAIN BRKR: 200A						
PHASE: 3			1. STINGER LEG IS BASED ON PHASE 'W'			FEEDER: SEE SCHEDULE						
WIRE: 4 W			2. PROVIDE INTEGRAL TVSS, SEE SPECIFICATIONS			CONDUIT: SEE SCHEDULE						
BUSSING: 200A						MOUNTED: SURFACE						
POLES: 42P						AIC RATING: SERIES						
LOAD DESCRIPTION	TYPE	A	B	C	BRKR	CKT.	BRKR	A	B	C	TYPE	LOAD DESCRIPTION
EXTERIOR & STORAGE ROOMS	R	1.08			20/1	1	2	20/1	1.08		R	STORAGE, OFFICE, EXTERIOR
S P A C E						3	4				R	S P A C E
EXTERIOR & STORAGE ROOMS	R		0.90		20/1	5	6	20/1		0.72	R	OFFICES
EV-1 (2.2A)	H	0.26			20/2	7	8	20/1	1.00		H	ELECTRIC HEATER (8.3A)
			0.26			9	10				H	S P A C E
LTG - EXTERIOR TIMECLOCK	L			0.23	20/1	11	12	20/2		0.29	H	UH-1 (2.4 FLA)
						13	14			0.29	H	S P A C E
CU-1 (25.6 FLA)	H	3.10			40/3	15	16				H	S P A C E
			3.10			17	18	20/1		0.15	M	EMS PANEL
S P A C E						19	20	20/1	0.15		M	FIRE ALARM PANEL
						21	22				M	S P A C E
S P A C E						23	24	20/1		1.00	M	ROLL DOWN DOOR
						25	26	20/1	0.20		M	DOOR POWER SUPPLY
S P A C E						27	28				M	S P A C E
						29	30	20/1		0.74	L	LTG - SECURE STORAGE
S P A C E						31	32	20/1	0.81		L	LTG - BOND, LIBRARY, OFFICE
						33	34				M	S P A C E
S P A C E						35	36	20/1		1.00	M	GOLF CART CHARGER
FIRE SPRINKLER BELL	M	0.10			20/1	37	38	20/1	0.50		M	BLUE PHONE
S P A C E						39	40				M	S P A C E
SPARE					20/1	41	42	20/1			M	SPARE
		4.54	3.36	4.23					4.03	0.00	3.90	

DEMAND LOAD SUMMARY	CONN. KVA	DEMAND FACTOR	DEMAND KVA
TYPE "M": NON-CONTINUOUS / MISC. LOADS	3.10	100%	3.10
TYPE "L": LIGHTING / CONTINUOUS LOADS	1.78	125%	2.23
TYPE "R": RECEPTACLES (FIRST 10KVA)	3.78	100%	3.78
TYPE "R": RECEPTACLES (OVER 10KVA)	0.00	50%	0.00
TYPE "H": HVAC / MECHANICAL LOADS	2.10	100%	2.10
TOTALS:	10.76		11.21

PHASE A:	8.57 KVA
PHASE B:	3.36 KVA
PHASE C:	8.13 KVA
71.42 MAX AMPS / PHASE	

LOAD CALCULATIONS			
LOAD	CONNECTED KVA		
	PHASE A	B	C
DISTRIBUTION BOARD 'DP-W'			
(E) PANEL 'W'	11.00	0.00	11.00
(E) 240V/3PH RECEPTACLES	6.00	6.00	6.00
(E) CONDENSING UNIT 'CU-1'	2.10	2.10	2.10
(N) PANEL 'A'	8.57	3.36	8.13
TOTAL CONNECTED LOAD	27.67	11.46	27.23
DISTRIBUTION BOARD 'DP-W'			
TOTAL LOAD AMPS @ 120/240V:	230.58	95.50	226.92
TOTAL AMPS X 1.25%:	288.23	119.38	283.65



SINGLE LINE DIAGRAM - POWER
SCALE: NONE

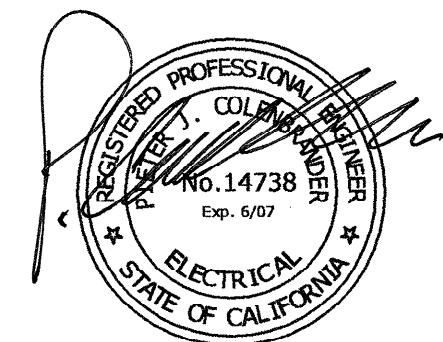
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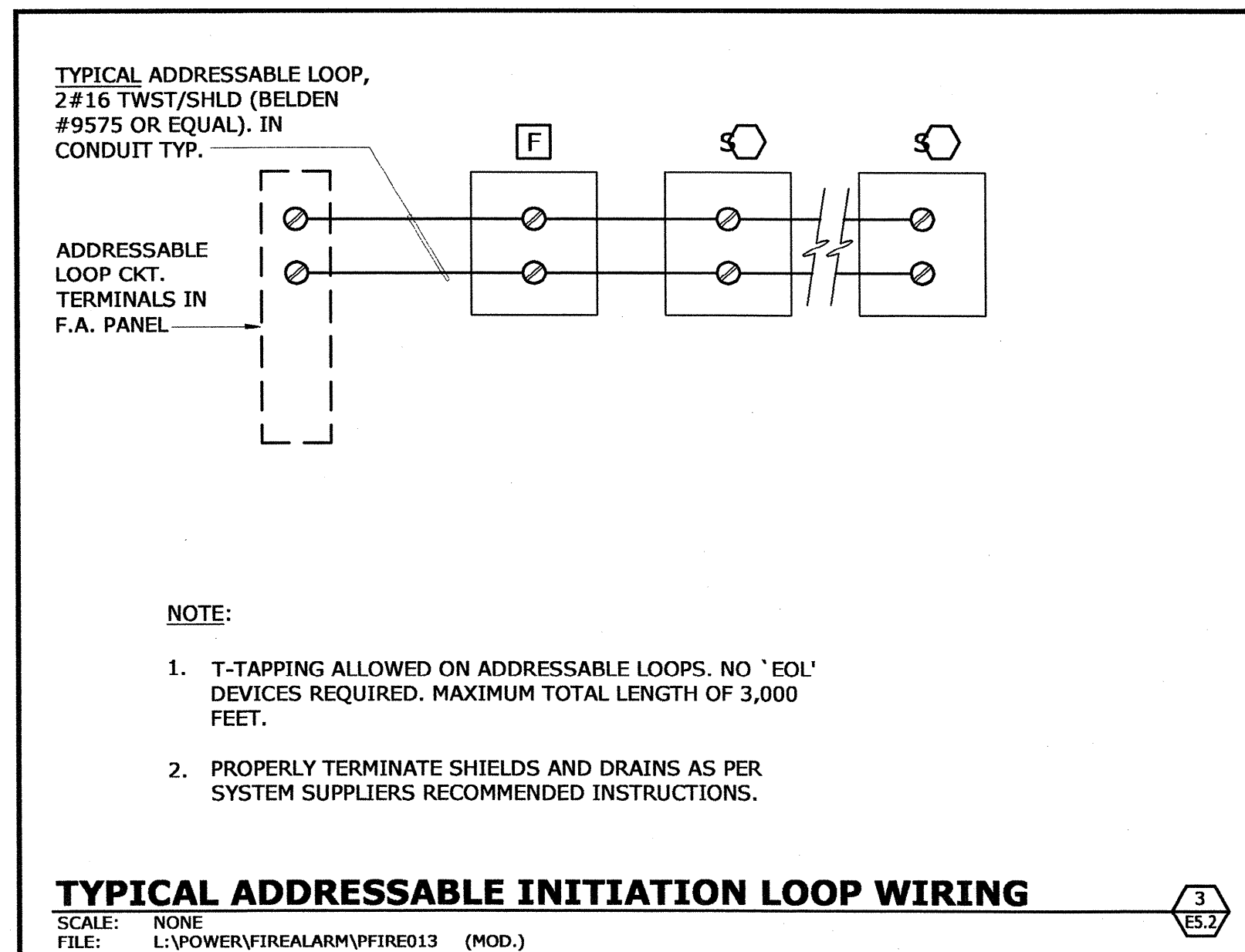
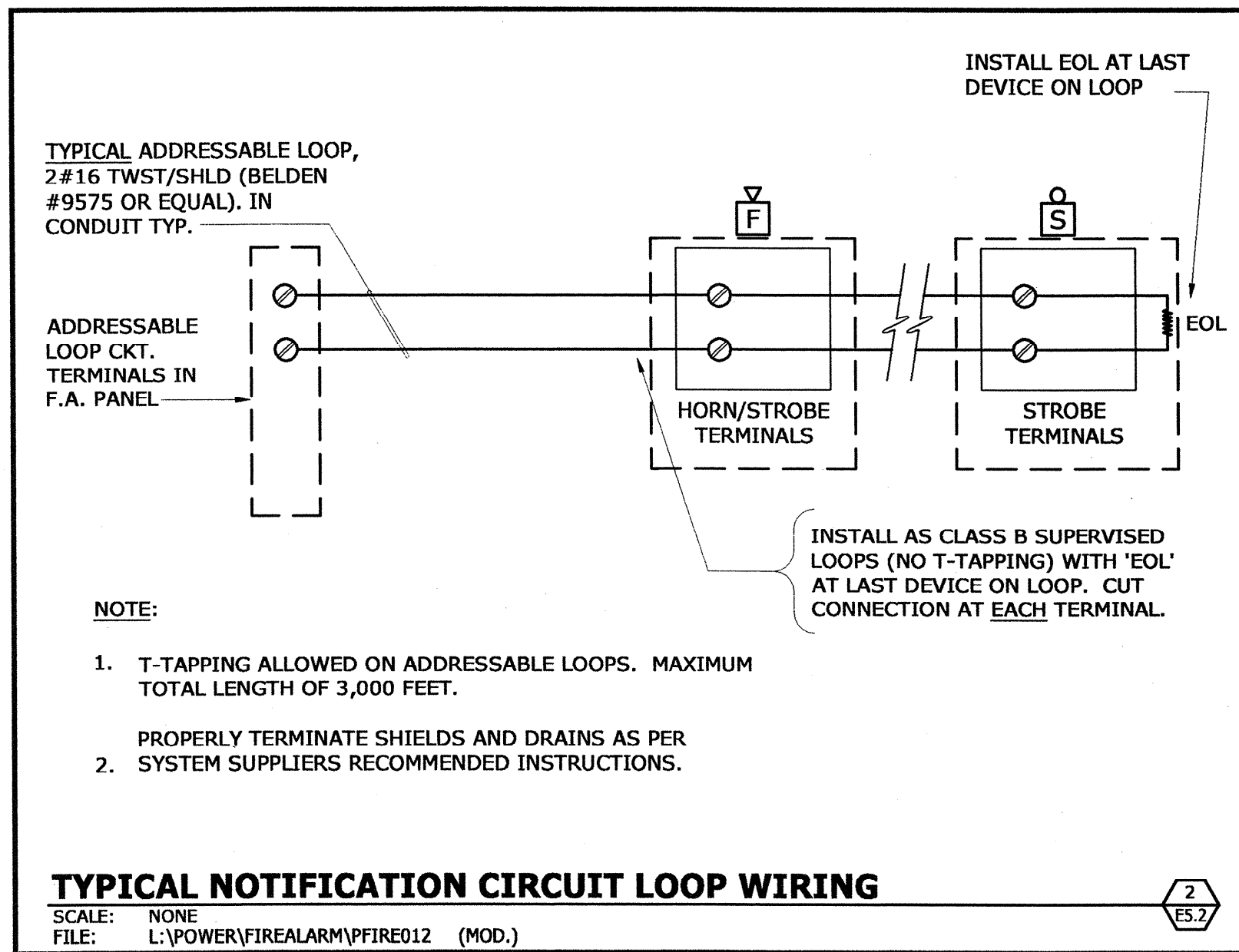
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SINGLE LINE DIAGRAM - POWER & PANEL SCHEDULE

E5.1

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NUMBERED SHEET NOTES

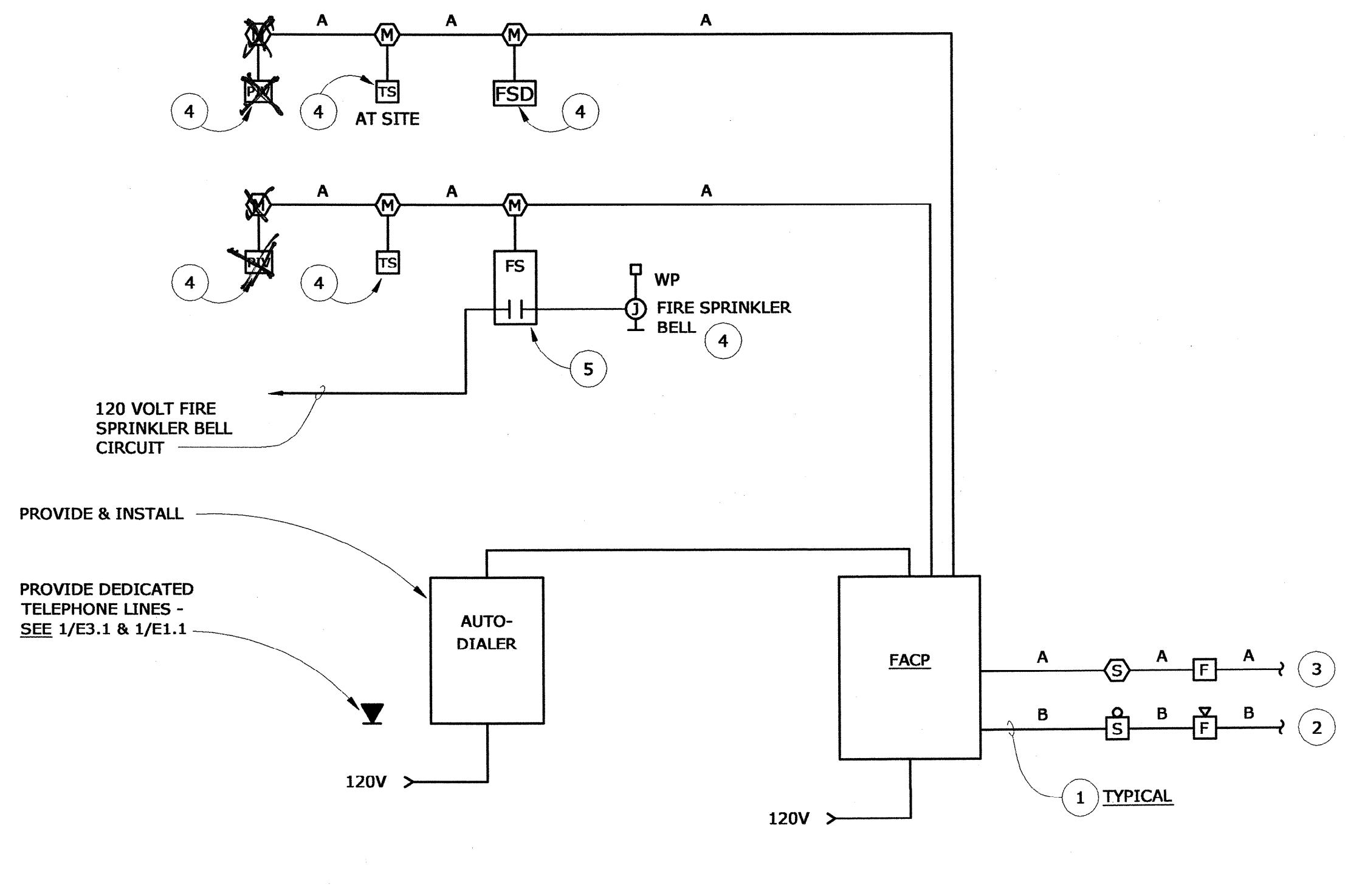
- RUN ALL FIRE ALARM WIRING IN MINIMUM 3/4" CONDUIT, U.O.N.
- TO OTHER NOTIFICATION DEVICES. SEE E3.1 FOR DEVICE LOCATIONS AND 2/E5.2 FOR WIRING DETAILS.
- TO OTHER INITIATION DEVICES. SEE E3.1 FOR DEVICE LOCATIONS AND 3/E5.2 FOR WIRING DETAILS.
- COORDINATE LOCATION WITH FIRE SPRINKLER CONTRACTOR PRIOR TO ROUGH-IN.
- ROUTE BRANCH CIRCUIT FOR FIRE SPRINKLER BELL THROUGH CONTACTS AT FLOW SWITCH.

FIRE ALARM WIRING LEGEND

TAG	DESCRIPTION	CABLING
A	INITIATION CIRCUIT	(2) #16 TWISTED/SHIELDED
B	NOTIFICATION CIRCUIT	(2) #12 THHN
C	NOTIFICATION CIRCUIT	(2) #10 THHN
D	ANNUNCIATOR LOOP	(4) #16 TWISTED/SHIELDED
E	24VDC POWER	(2) #14 THHN

FIRE ALARM EQUIPMENT LIST

SYMBOL	ITEM	MANUFACTURER & MODEL No. (ALL DEVICES SHALL BE NOTIFIER TO MATCH CAMPUS FIRE ALARM MASTER PLAN)	CSFM LISTING NUMBER	STANDBY CURRENT	ALARM CURRENT
[FACP]	CONTROL PANEL	NOTIFIER # NFS-640	7165-0028:181 7170-0028:182	255mA	420mA
[F]	MANUAL PULL STATION	NOTIFIER # NBG-12LX	7150-0028:199	0.38mA	0.38mA
[SP]	PHOTO SMOKE DETECTOR	NOTIFIER # FSP-851, DETECTOR NOTIFIER # BL710LPBP, BASE	7272-0028:206 7300-0028:173	0.36mA	6.5mA
[SP] ¹⁵	VISIBLE STROBE - 15cd	NOTIFIER # RSS-241575W-FR	7125-0785:141	0mA	65mA
[SP] ⁷⁵	VISIBLE STROBE - 75cd	NOTIFIER # RSS-24MCW-FR	7125-0785:141	0mA	133mA
[F] ⁷⁵	HORN/STROBE - 75cd	NOTIFIER # NS-2475W-FR	7125-0785:142	0mA	155mA
[F] ¹¹⁰	HORN/STROBE - 110cd	NOTIFIER # NS-24110W-FR	7125-0785:142	0mA	185mA



SINGLE LINE DIAGRAM - FIRE ALARM

SCALE: NONE

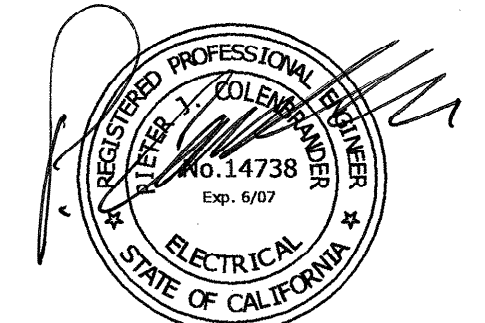
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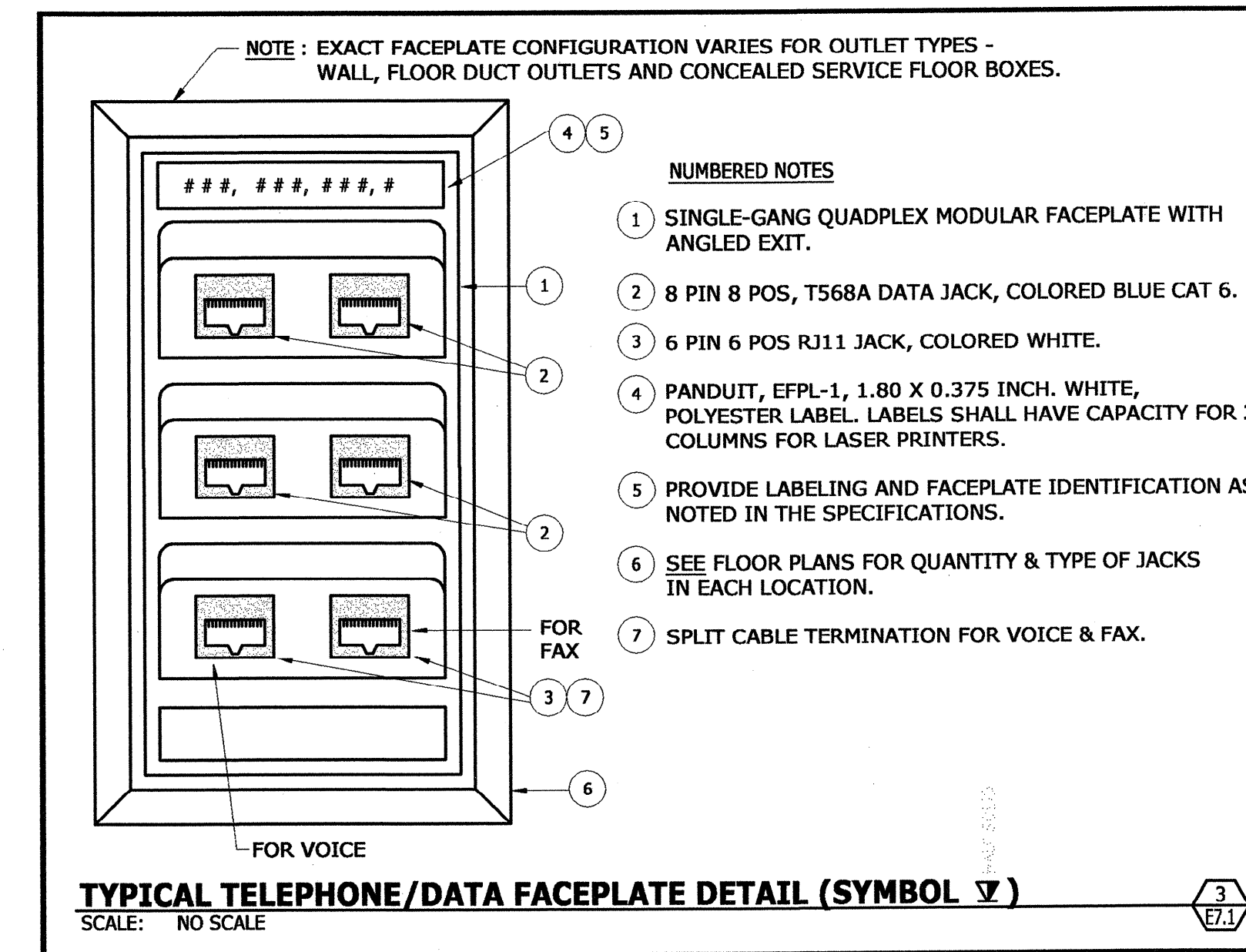
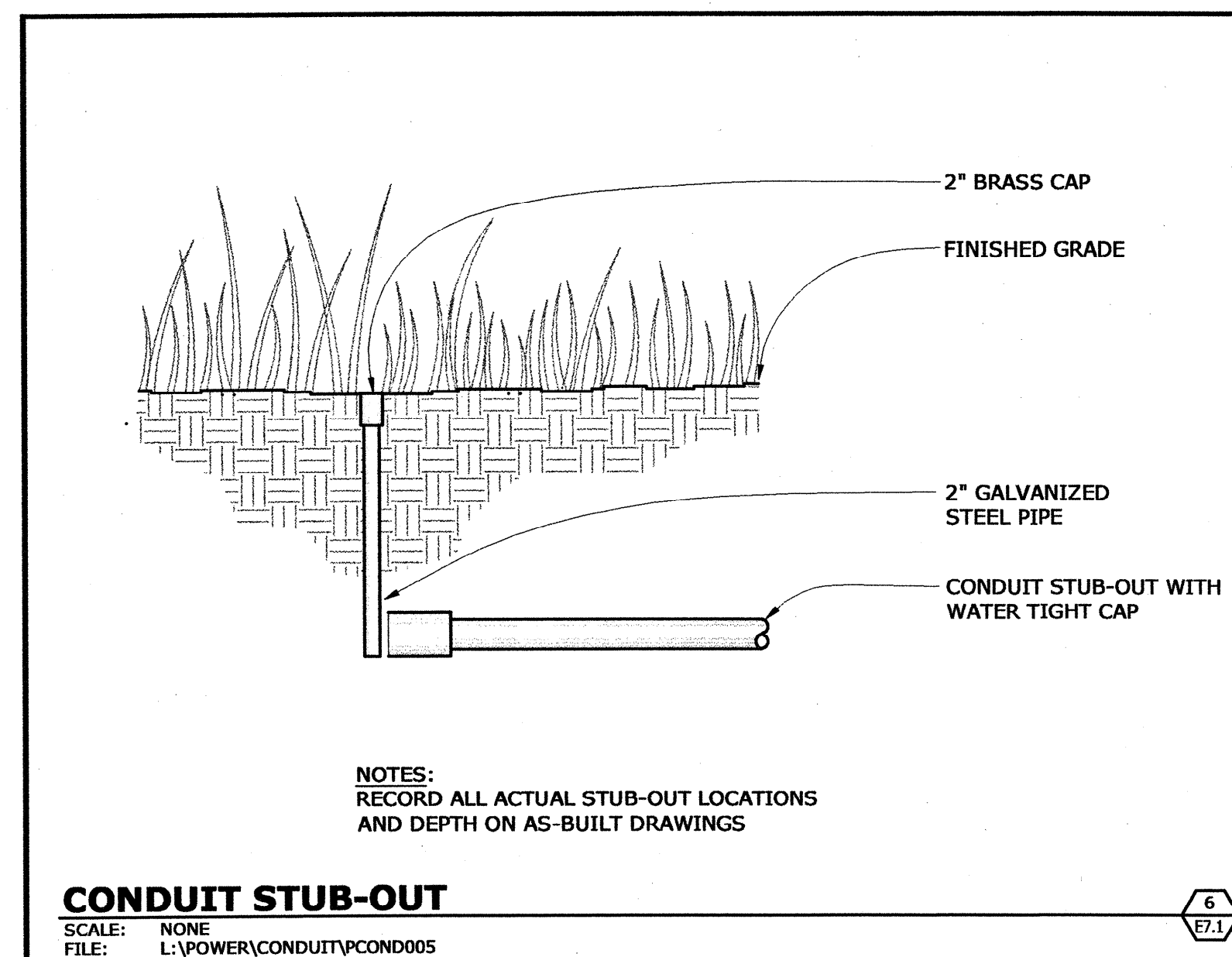
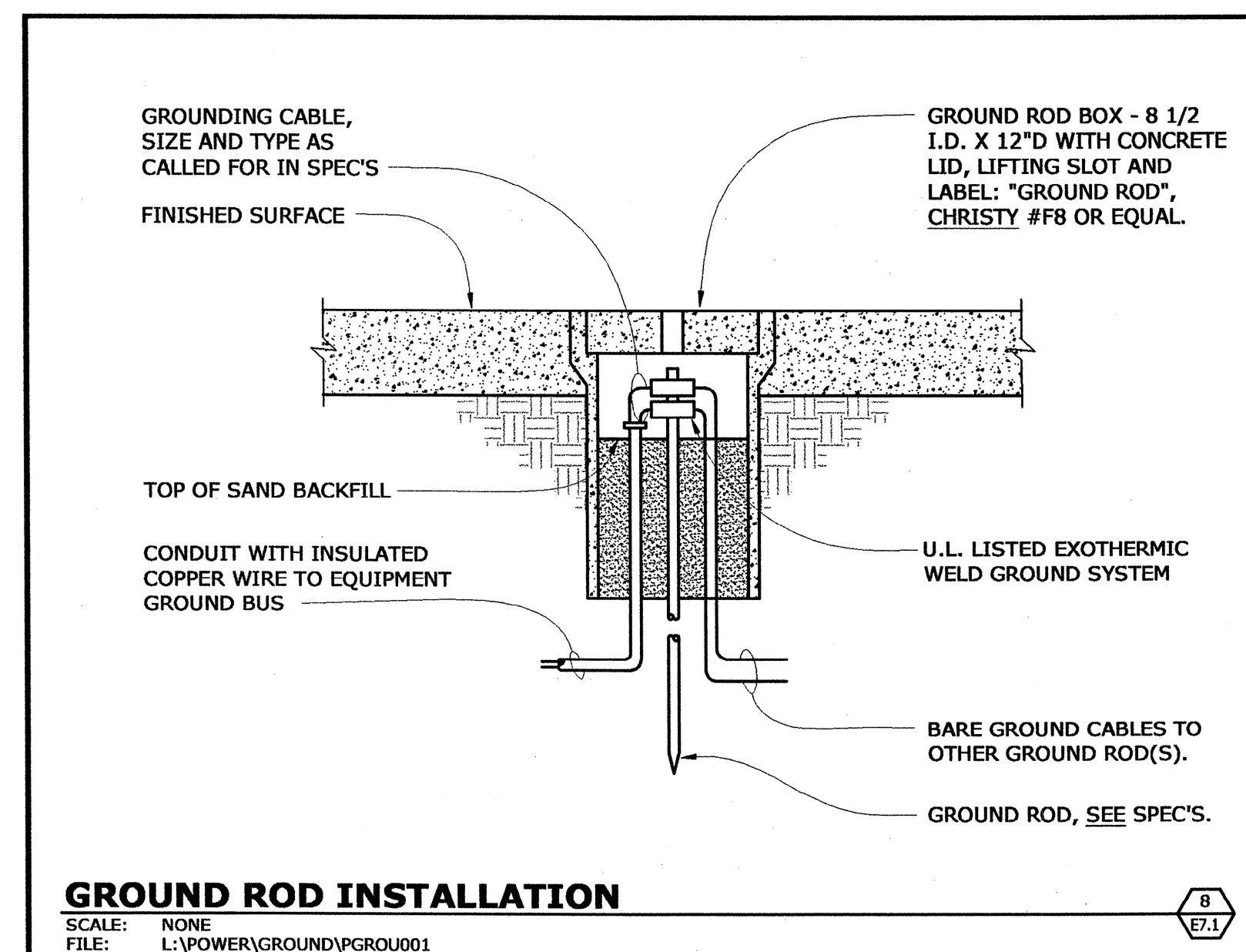
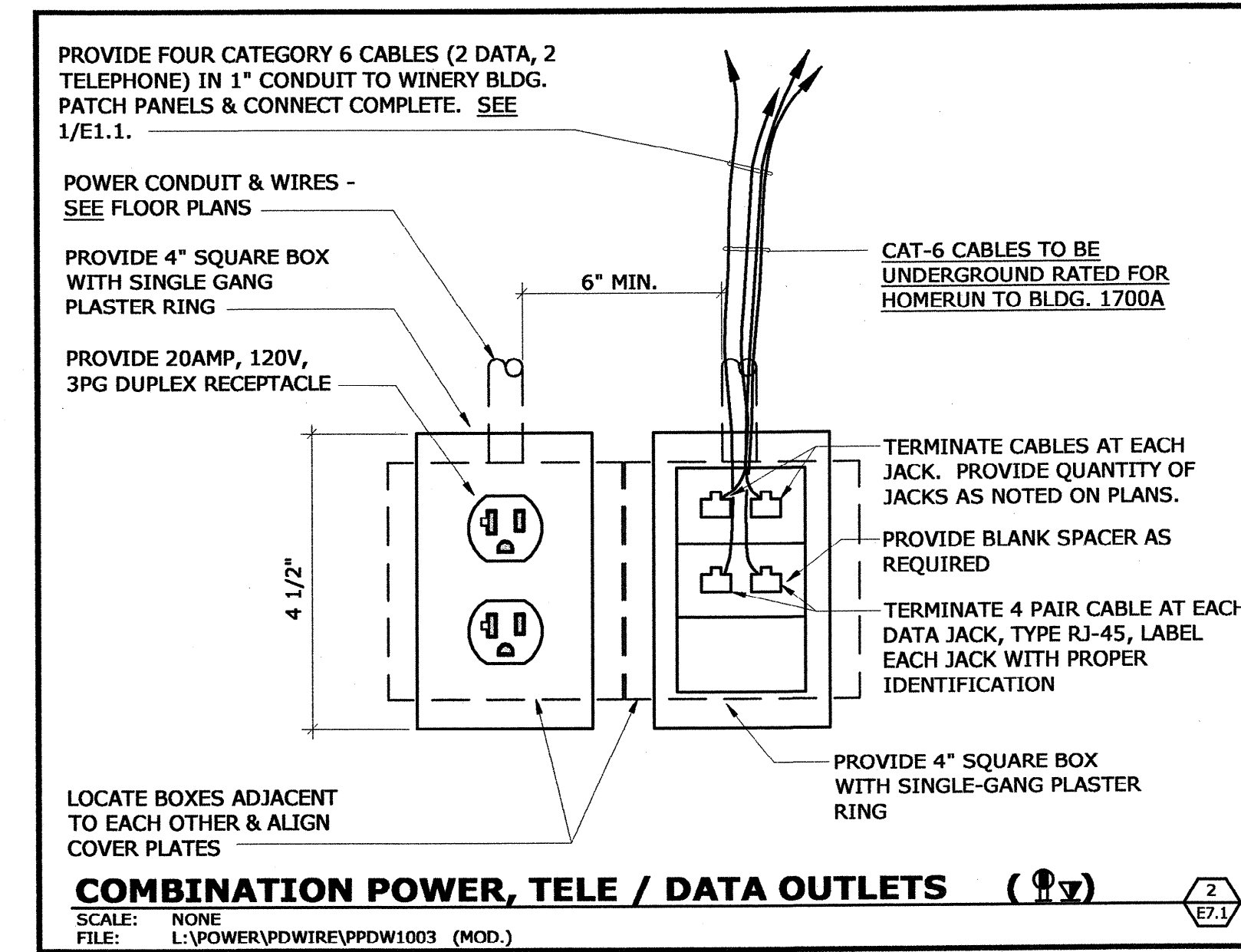
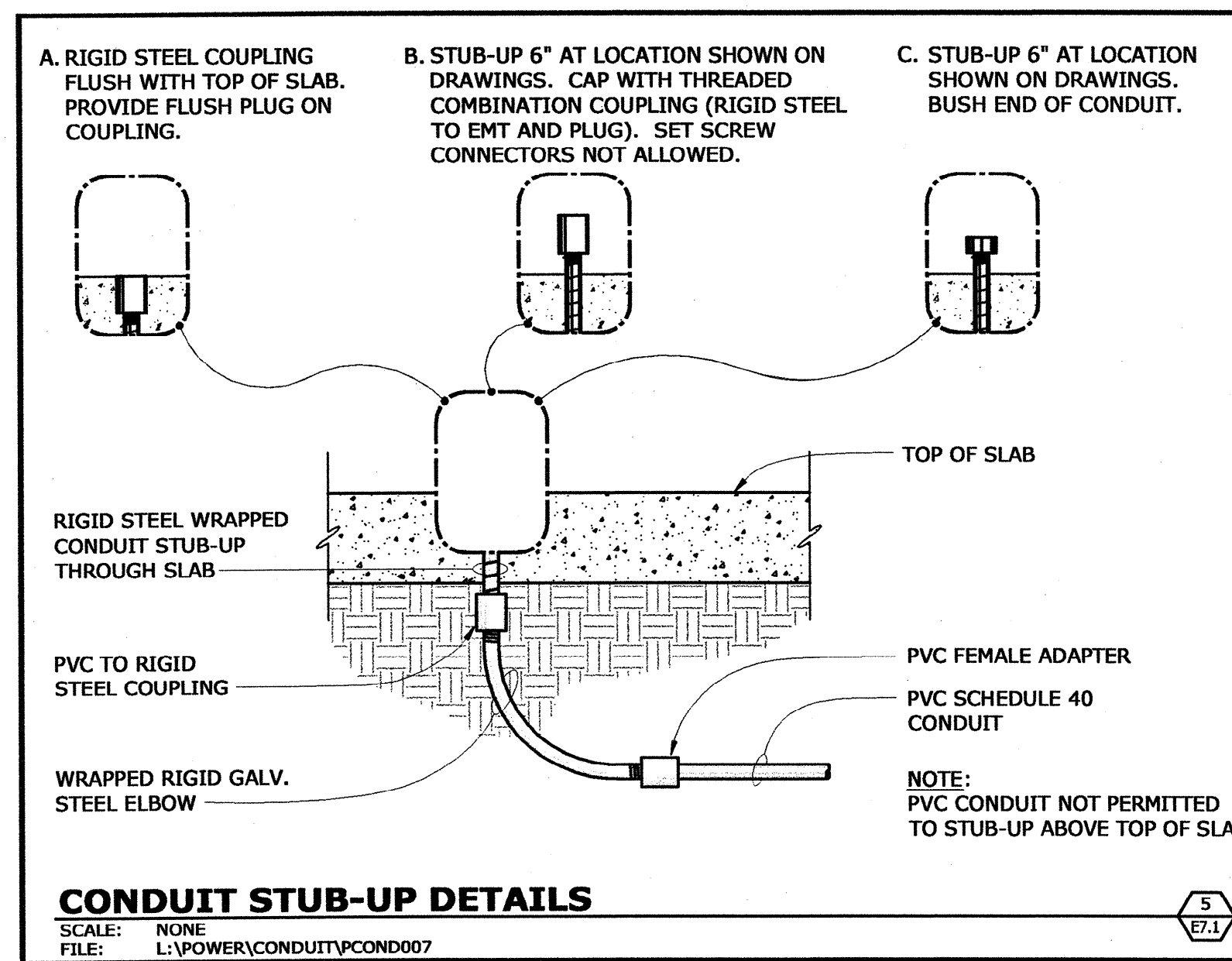
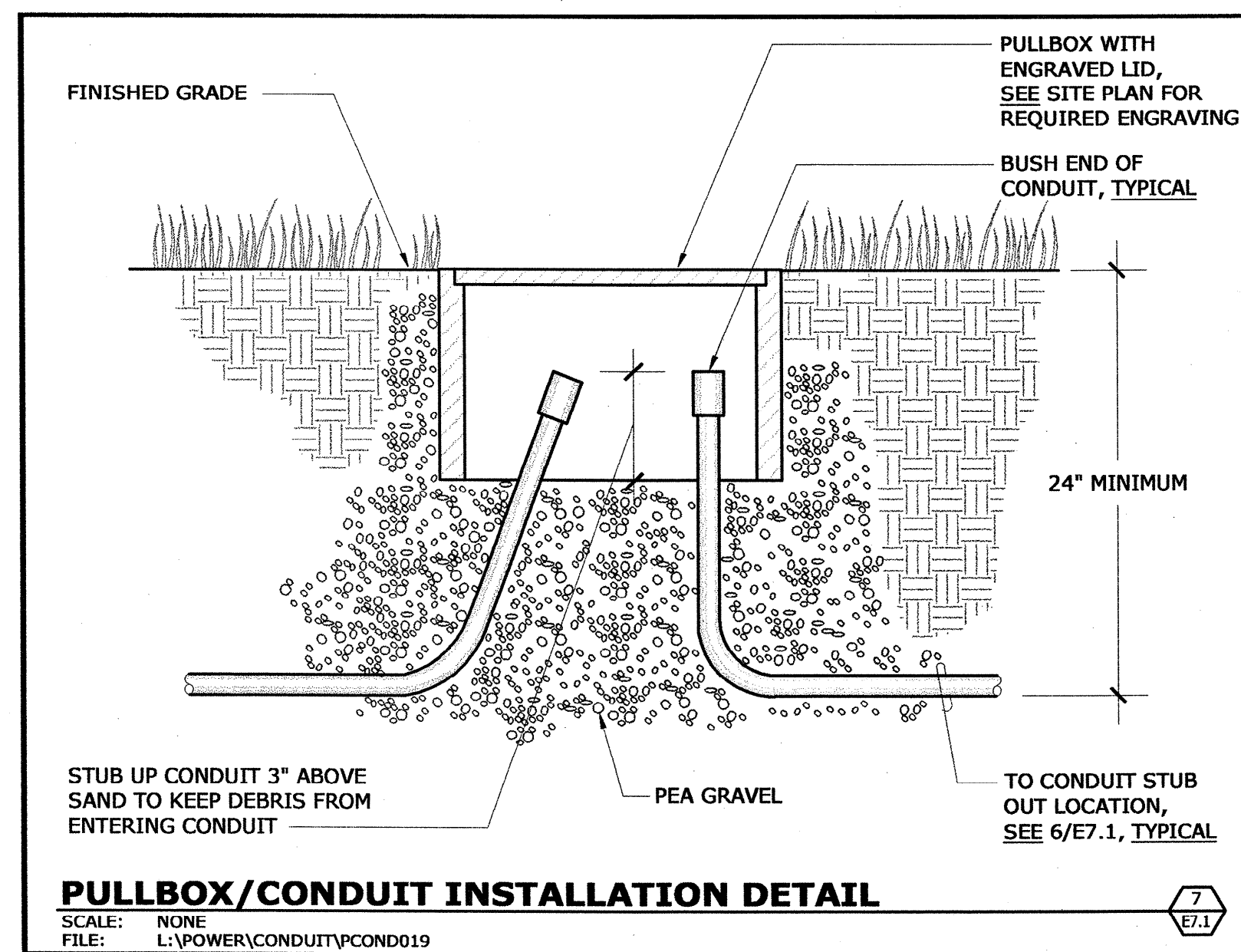
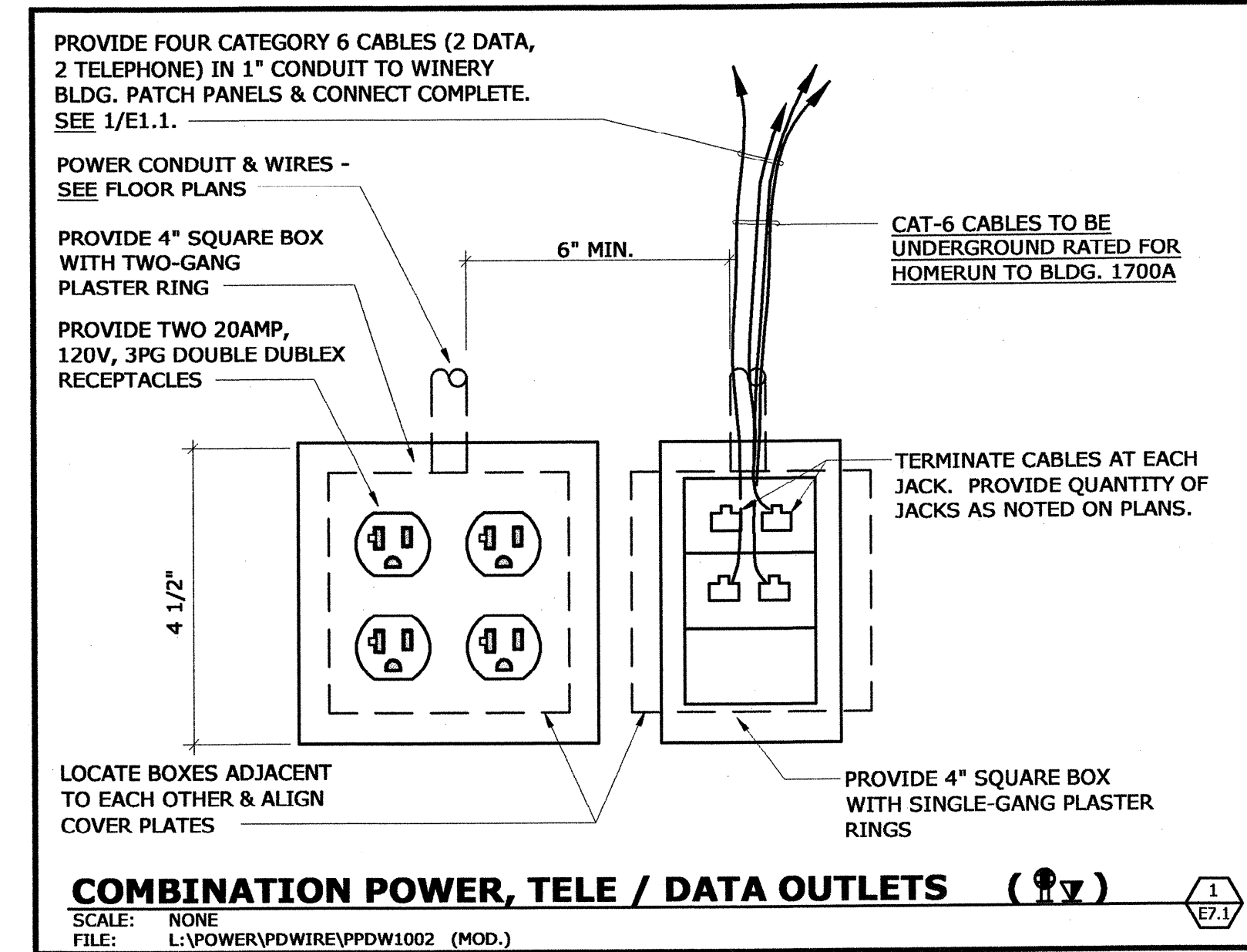
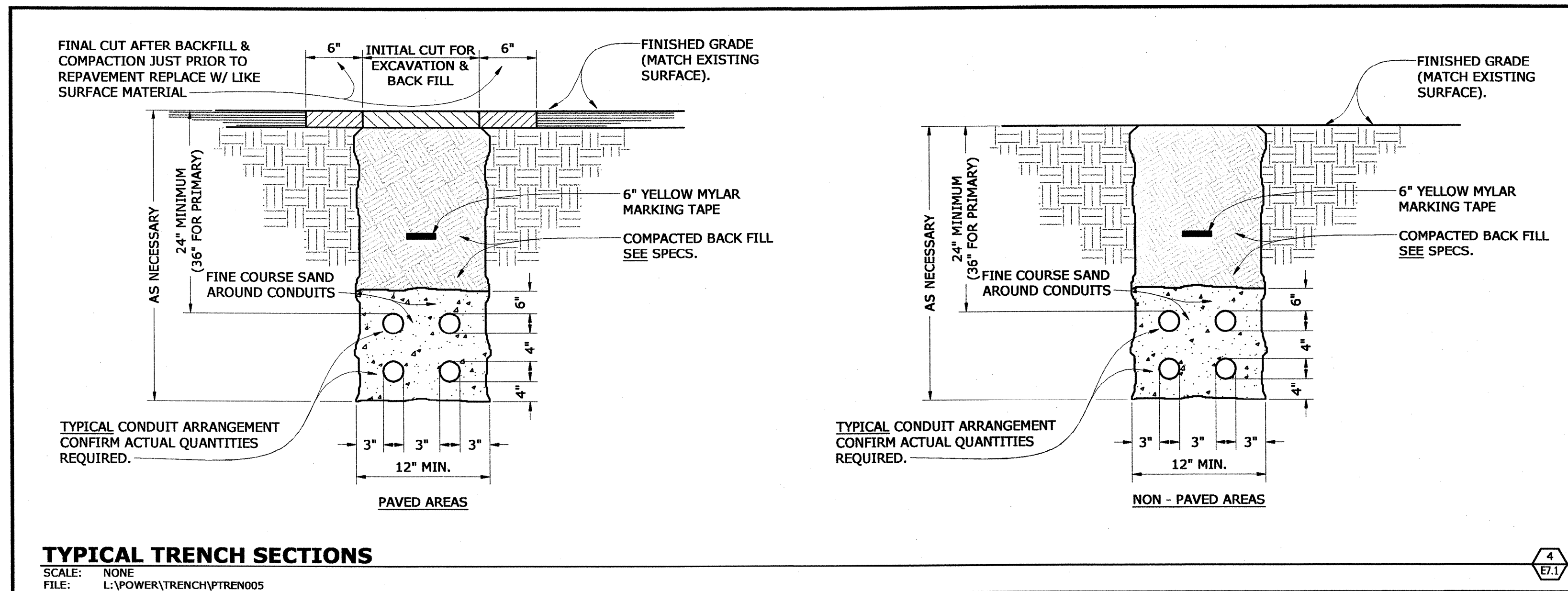
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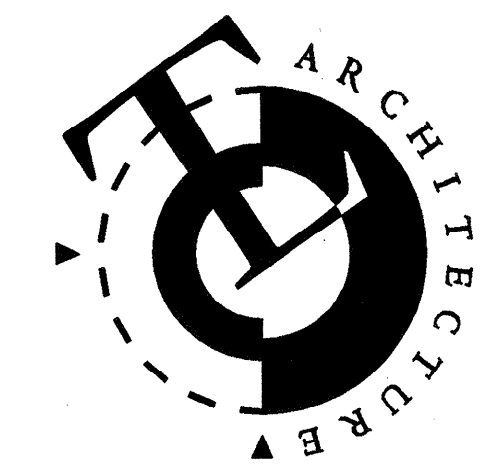
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SINGLE LINE DIAGRAM - FIRE ALARM

E5.2



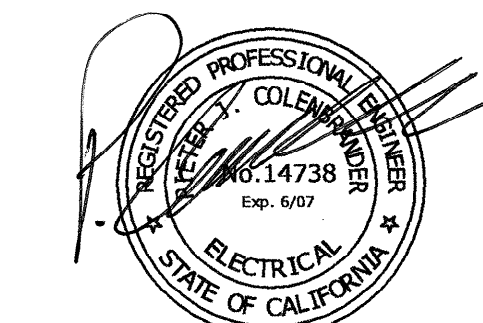
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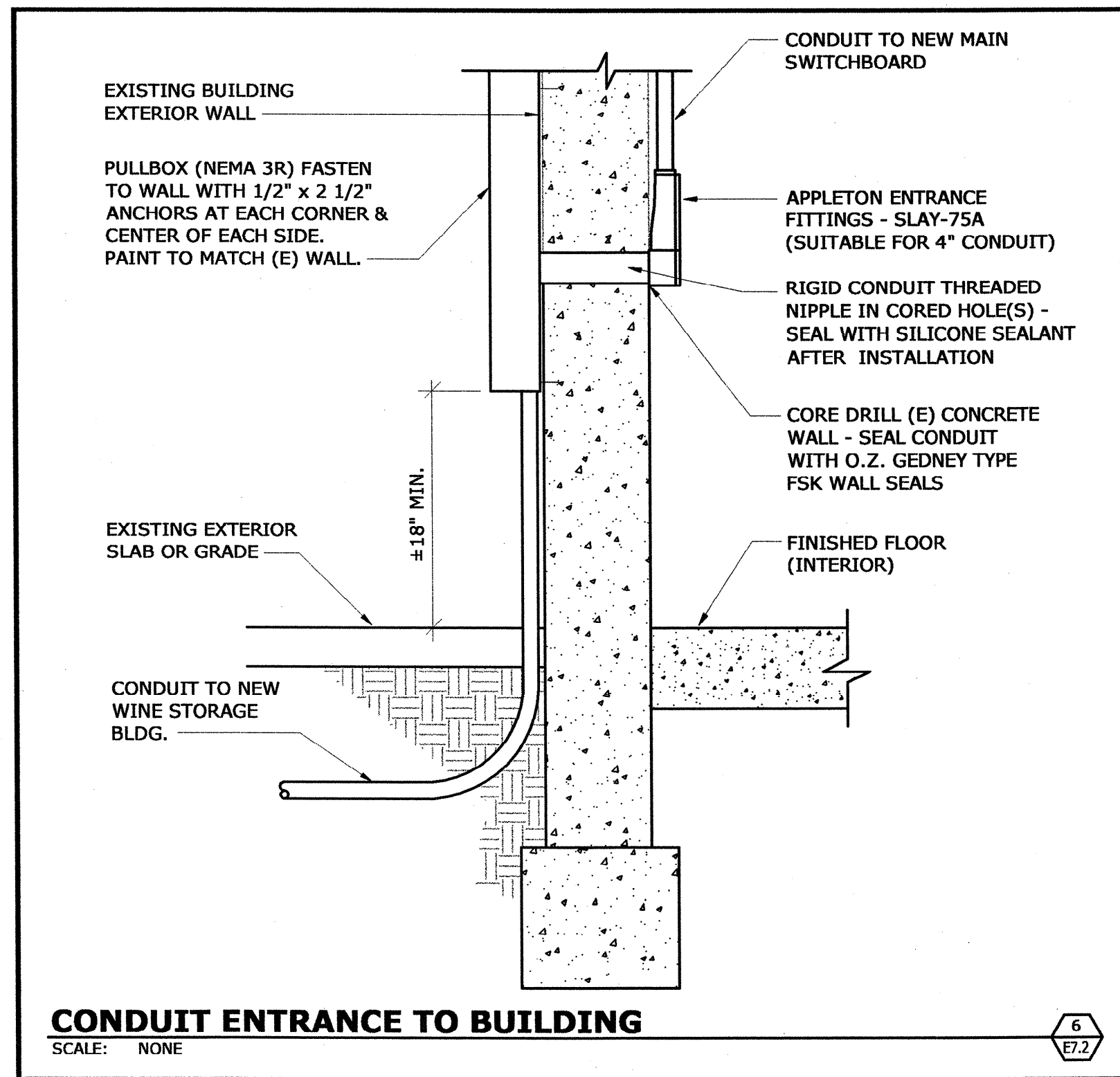
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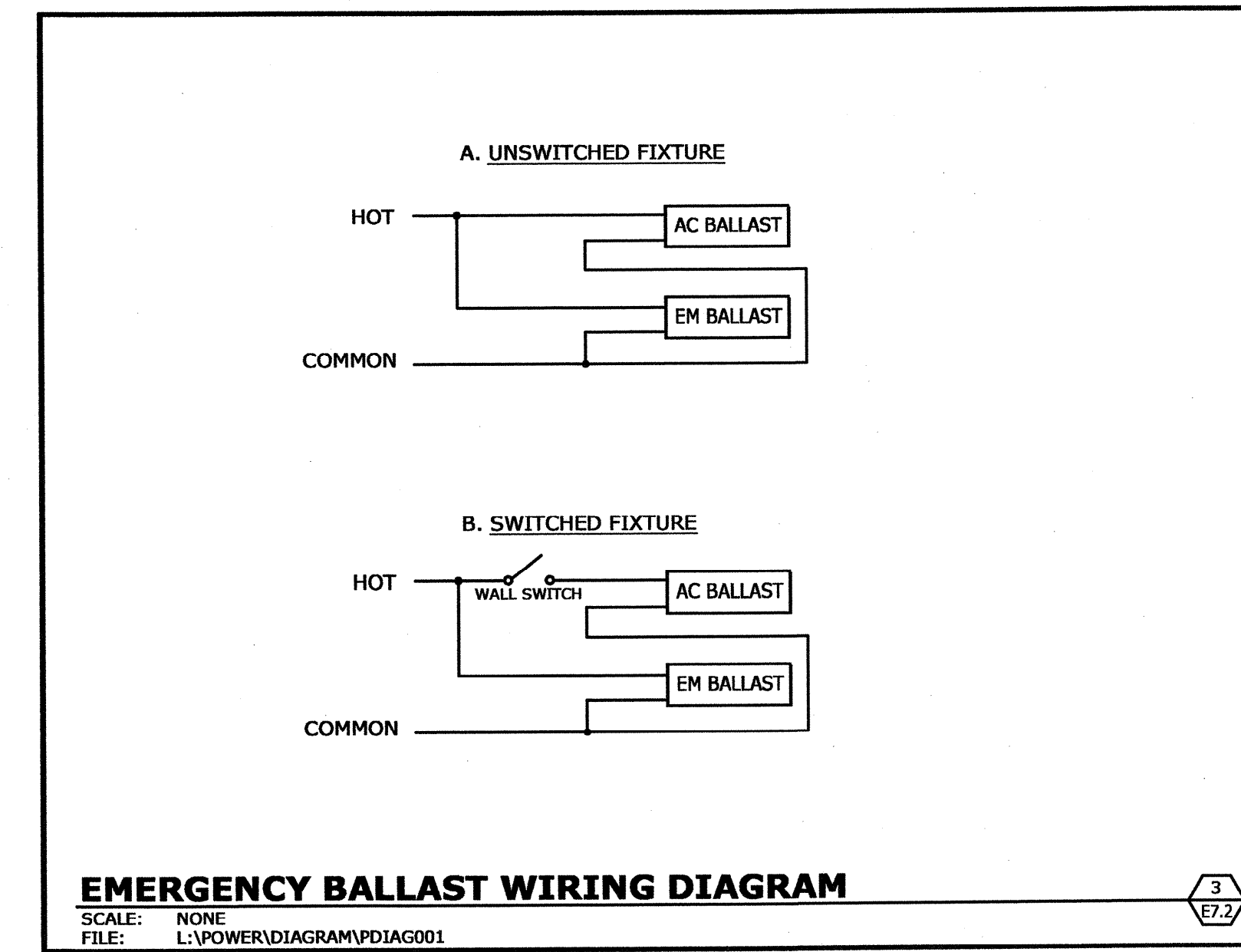
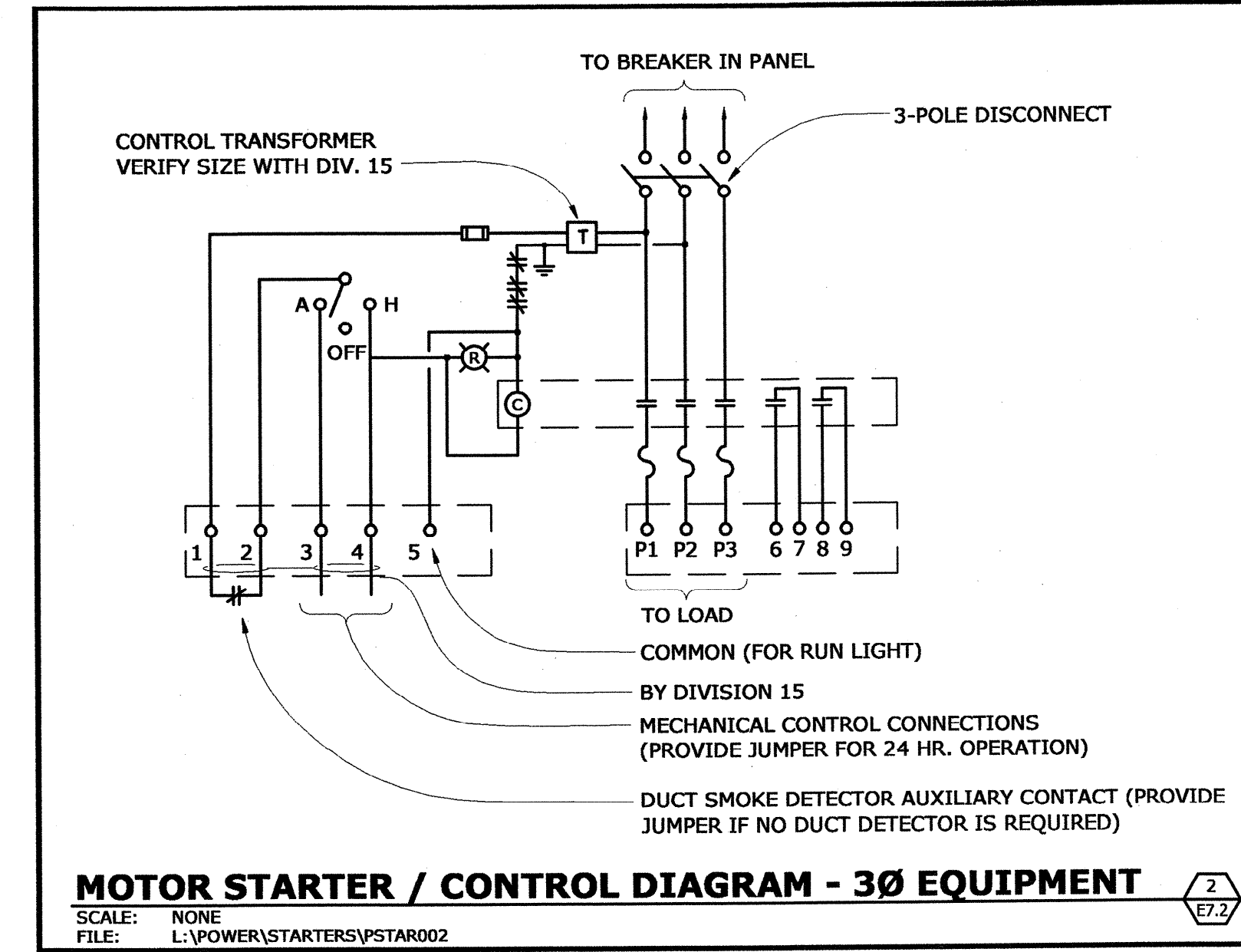
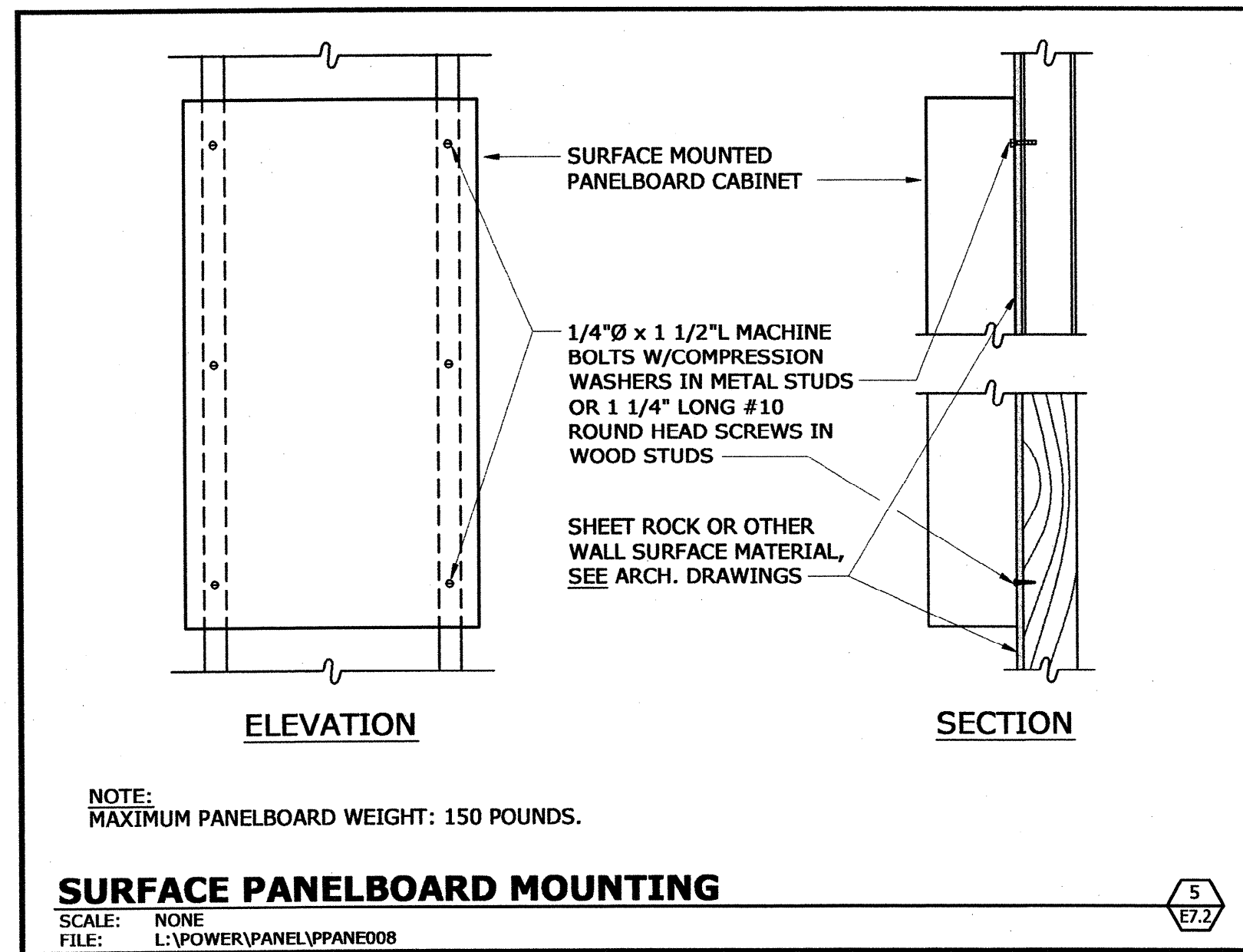
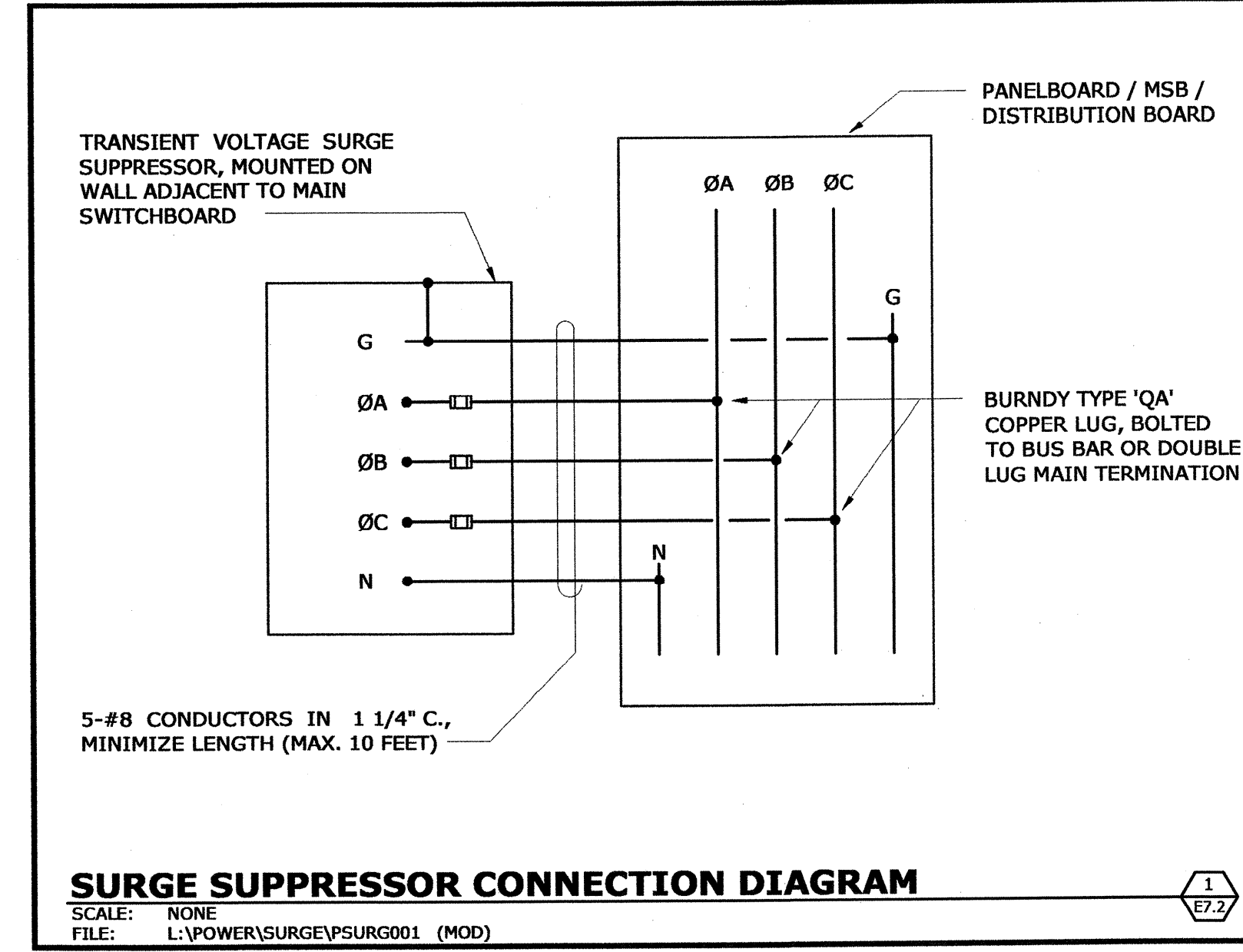
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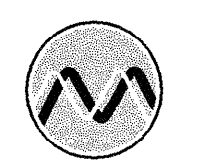
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