general notes

1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR OR PERMITTEE TO CONTACT "UNDERGROUND SERVICE ALERT U.S.A." TOLL FREE AT 1-800-227-2600 FORTY-EIGHT (48) HOURS PRIOR TO START OF CONSTRUCTION, FOR LOCATION OF POWER, TELEPHONE, OIL AND NATURAL GAS UNDERGROUND FACILITIES. CONTRACTOR OR PERMITEE SHALL ALSO CONTACT THE APPROPRIATE AGENCY FOR THE LOCATION OF CABLE T.V., WATER, SEWER, DRAINAGE OR UNDERGROUND FACILITIES.

2. THE CONTRACTOR SHALL POSSESS A CLASS "A" LICENSE AT THE TIME THE CONTRACT IS AWARDED.

metric datum: (not used)

HORIZONTAL CONTROL FOR POINTS _____ & _____ AS PUBLISHED IN THE CITY OF SAN LUIS OBISPO 1999 HORIZONTAL CONTROL NETWORK. CITY NETWORK IS BASED ON THE NORTH AMERICAN DATUM OF 1983 (NAD83) EPOCH DATE 1991.35, ZONE 5 CALIFORNIA.

VERTICAL CONTROL BENCHMARK NO.(S) _____ & _____ AS PUBLISHED IN THE CITY OF SAN LUIS OBISPO 1996 BENCHMARK SYSTEM. CITY'S BENCHMARK SYSTEM IS GENERALLY 52MM HIGHER THAN THE NORTH AMERICA VERTICAL DATUM OF 1929 (NAVD29).

PROJECT DIRECTORY

OWNER: City of San Luis Obispo
955 Morro Street
San Luis Obispo, CA 93401
805 781-7200

ARCHITECTS: Fraser Seiple Architects
971 Osos Street
San Luis Obispo, CA 93401
805 544-6161

PROJECT DATA

ADDRESS:	Cerro Romauldo Avenue at Cuesta Drive
ASSESSOR'S PARCEL NUMBER:	052-031-001
LEGAL DESCRIPTION:	Lots A - D, Breed's Addition, City of San Luis Obispo
GENERAL PLAN DESIGNATION:	Public Facilities
ZONE:	P - F
PROPOSED USE:	Restroom
BUILDING AREA:	23 square meters (248 square feet)
STORIES:	1
MAXIMUM HEIGHT:	4.11 meters (13'-6")
UBC OCCUPANCY GROUP:	Group S, Division 2
UBC CONSTRUCTION TYPE:	Type V-N
SPRINKLERS:	no

index to plans

LICENSED ARCHITECT
BRUCE DOUGLAS FRASER
No. C9787
Ren. 12-31-01
STATE OF CALIFORNIA

city of san luis obispo

san luis obispo county, california

NEW RESTROOM FOR THROOP PARK

510 CERRO ROMAULDO
SAN LUIS OBISPO, CA

SPECIFICATION NO. 99828

APPROVED BY

Wayne A. Peterson *R.C.E. 18598*
City Engineer

REGISTERED PROFESSIONAL ENGINEER
WAYNE A. PETERSON
No. 18598
exp. 6/3-/03
CIVIL
STATE OF CALIFORNIA

DATE: DATE
FILE NO./LOCATION: 0085 B
SHEET: T-1

general notes

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2. THE CONTRACTOR SHALL POSSESS A CLASS "A" LICENSE AT THE TIME THE CONTRACT IS AWARDED.

3. SPECIAL INSPECTION FOR STRUCTURAL WELDING REQUIRED PER ADENDUM #1.

datum: (not used)

HORIZONTAL CONTROL FOR POINTS _____ & _____ AS PUBLISHED IN THE CITY OF SAN LUIS OBISPO 1999 HORIZONTAL CONTROL NETWORK. CITY NETWORK IS BASED ON THE NORTH AMERICAN DATUM OF 1983 (NAD83) EPOCH DATE 1991.35, ZONE 5 CALIFORNIA.

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805 781-7200

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PROJECT DATA

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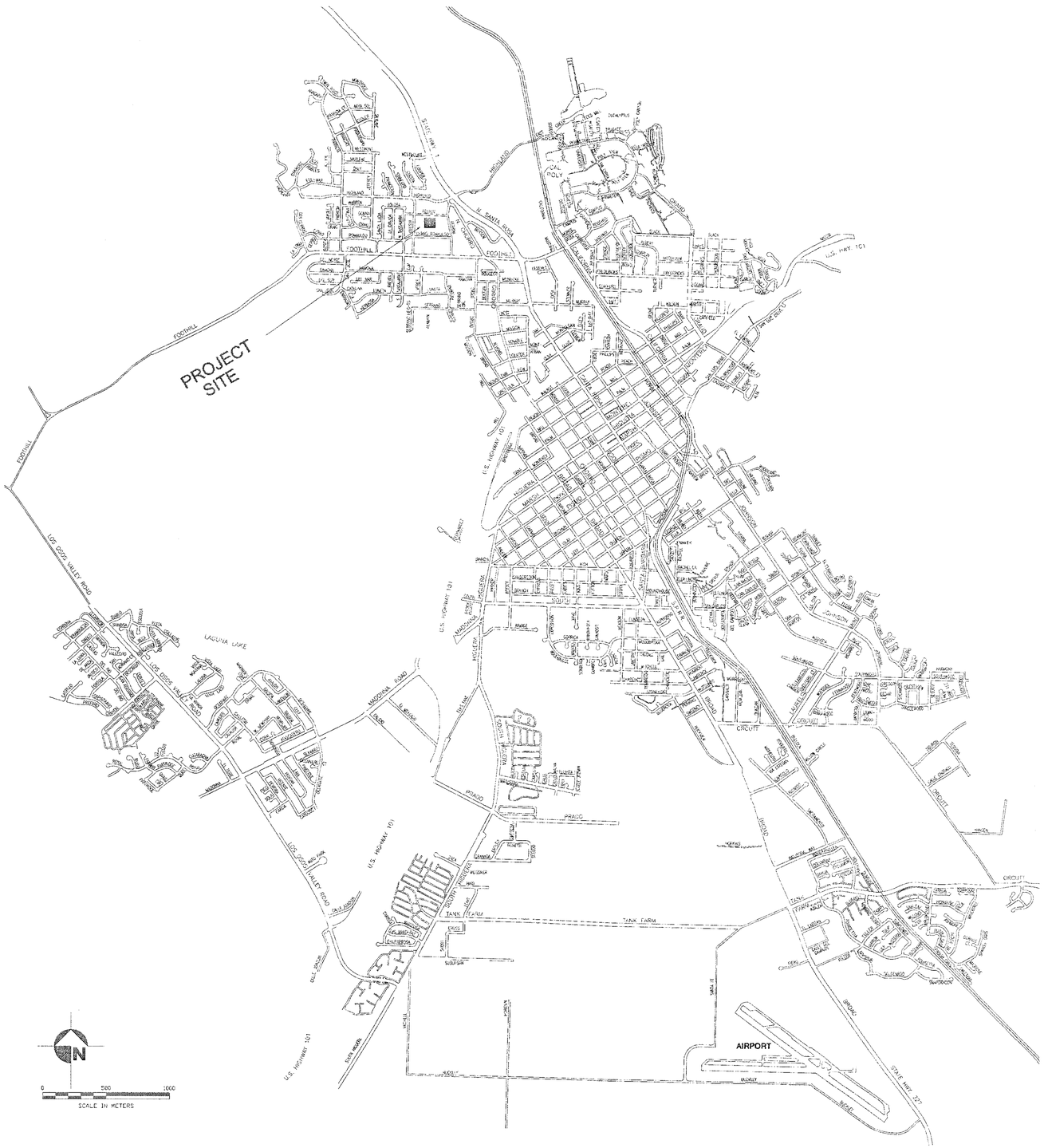
UBC CONSTRUCTION TYPE:	Type V-N
SPRINKLERS:	no



index to plans

city of san luis OBISPO
san luis obispo county, california

NEW RESTROOM FOR THROOP PARK

CERRO ROMAULDO AT CUESTA DRIVE
SAN LUIS OBISPO, CA

RECORD DRAWING
DATE: 06/07/02 BY: SR

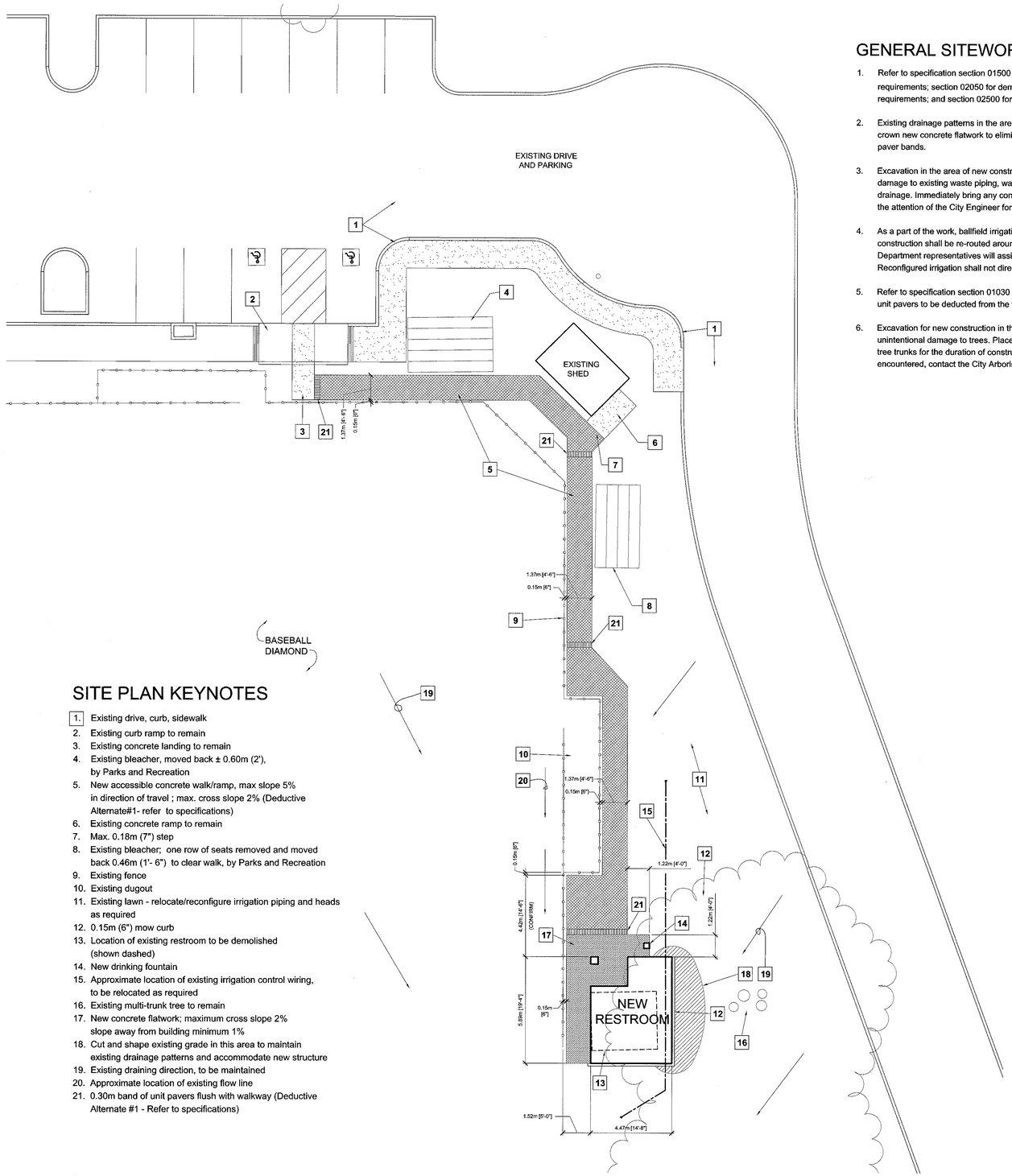
SPECIFICATION NO. 99828

APPROVED BY

Wayne A. Peterson R.C.E. 18598
City Engineer

REGISTERED PROFESSIONAL ENGINEER WAYNE A. PETERSON No. 18598 exp. CIVIL STATE OF CALIFORNIA

DATE: DATE
FILE NO. 0085 B
SHEET T-1 R



SITE PLAN KEYNOTES

1. Existing drive, curb, sidewalk
2. Existing curb ramp to remain
3. Existing concrete landing to remain
4. Existing bleacher, moved back ± 0.60m (2'), by Parks and Recreation
5. New accessible concrete walk/ramp, max slope 5% in direction of travel ; max. cross slope 2% (Deductive Alternate#1- refer to specifications)
6. Existing concrete ramp to remain
7. Max. 0.18m (7") step
8. Existing bleacher; one row of seats removed and moved back 0.46m (1'- 6") to clear walk, by Parks and Recreation
9. Existing fence
10. Existing dugout
11. Existing lawn - relocate/reconfigure irrigation piping and heads as required
12. 0.15m (6") mow curb
13. Location of existing restroom to be demolished (shown dashed)
14. New drinking fountain
15. Approximate location of existing irrigation control wiring, to be relocated as required
16. Existing multi-trunk tree to remain
17. New concrete flatwork; maximum cross slope 2% slope away from building minimum 1%
18. Cut and shape existing grade in this area to maintain existing drainage patterns and accommodate new structure
19. Existing draining direction, to be maintained
20. Approximate location of existing flow line
21. 0.30m band of unit pavers flush with walkway (Deductive Alternate #1 - Refer to specifications)

GENERAL SITEWORK NOTES

1. Refer to specification section 01500 for construction facility and temporary control requirements; section 02050 for demolition requirements; section 02200 for earthwork requirements; and section 02500 for concrete flatwork requirements.
2. Existing drainage patterns in the area of the new restroom shall be maintained. Slope or crown new concrete flatwork to eliminate ponding and allow water to move through unit paver bands.
3. Excavation in the area of new construction must proceed carefully to avoid unintentional damage to existing waste piping, water piping, irrigation piping, control wiring, and storm drainage. Immediately bring any conflict between existing utilities and new construction to the attention of the City Engineer for resolution.
4. As a part of the work, ballfield irrigation piping and control wiring in the area of new construction shall be re-routed around the new structure and flatwork. Parks and Recreation Department representatives will assist with the location of existing installations. Reconfigured irrigation shall not direct water onto building walls.
5. Refer to specification section 01030 for a description of the scope of concrete flatwork and unit pavers to be deducted from the work under Alternate #1.
6. Excavation for new construction in the area of existing trees must proceed carefully to avoid unintentional damage to trees. Place orange plastic "hazard fence" approximately 4 feet from tree trunks for the duration of construction. If any roots in excess of 3 inches in diameter are encountered, contact the City Arborist at 781-7220 before proceeding.

SITE PLAN
SCALE : 1:125

LICENSED ARCHITECT BRUCE DOUGLAS FRASER NO. C9787 Ren. 12-31-21 STATE OF CALIFORNIA

city of san luis obispo

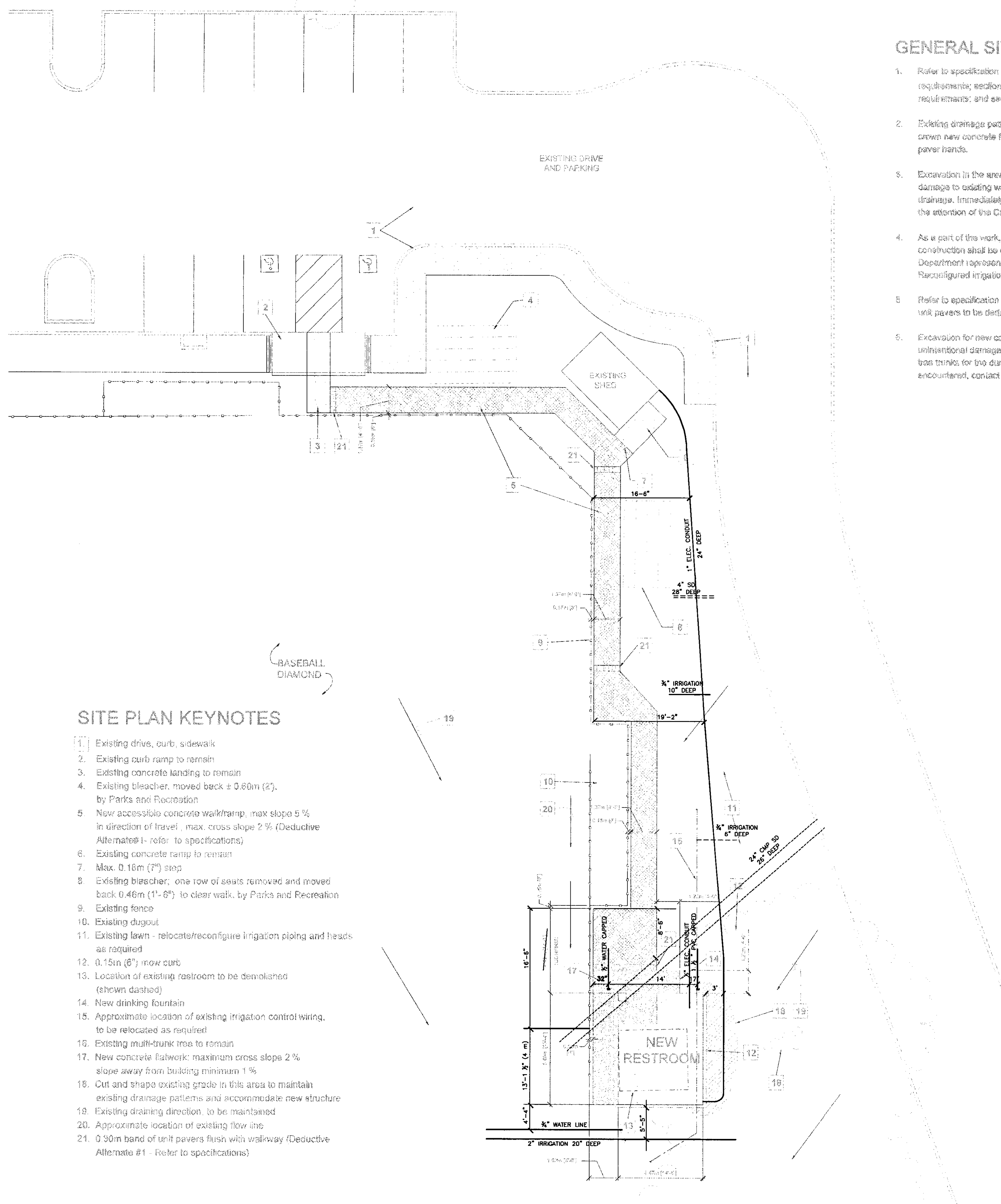
REVISIONS: Record Drawing

Metric Scale: H: See Drawings V: See Drawings

PROJECT TITLE: NEW RESTROOM FOR THROOP PARK

SHEET TITLE: SITE PLAN

DESIGNED BY: BDF
DRAWN BY: JCP
CHECKED BY:
APPROVED BY:
DATE:
CITY SPECIFICATION NO. SPEC. NO. 99828
SHEET NO. A-1



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SITE PLAN KEYNOTES

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3. Existing concrete landing to remain
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5. New accessible concrete walk/ramp, max slope 5 % in direction of travel , max. cross slope 2 % (Deductive Alternate#1- refer to specifications)
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20. Approximate location of existing flow line
21. 0.90m band of unit pavers flush with walkway (Deductive Alternate #1 - Refer to specifications)

SITE PLAN

SCALE : 1:125

RECORD DRAWING
DATE: 06/07/02 BY: SR

City of San Diego

NEW RESTROOM FOR THROOP PARK

SITE PLAN

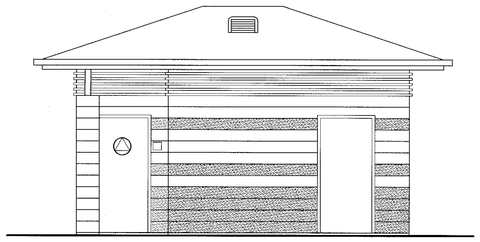
BDF
JCP

SPEC. NO. 99828

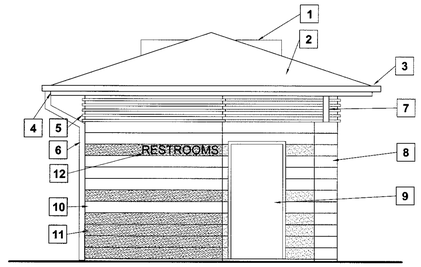
A-1R

ELEVATION KEYNOTES

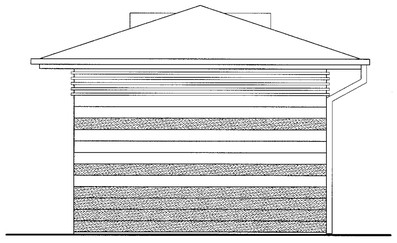
1. Painted metal attic vent
2. Composition shingle roof, charcoal grey color
3. Painted metal gutter, blue-grey color
4. Painted plaster soffit, tan color
5. Aluminum bar louver with insect screen
6. Painted metal downspout to splash block at grade, natural aluminum finish
7. Painted metal column, blue-grey color
8. 0.41m x 0.41m (16"x 16") concrete block column
9. Painted fiberglass door in metal frame with lever type hardware per specifications and Title 24/ADA accessibility requirements
10. Pigmented "precision" 0.21m (8 inch) concrete block, "Nutan" color
11. Pigmented "ground face" 0.21m (8 inch) concrete block, "Sangria" red color
12. 6 inch plastic dimensional letters, black



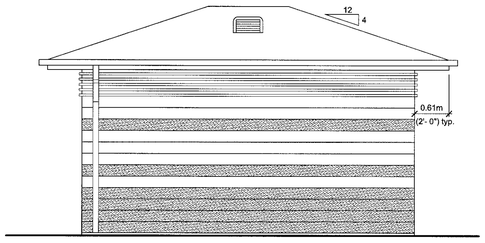
SOUTHEAST



SOUTHWEST



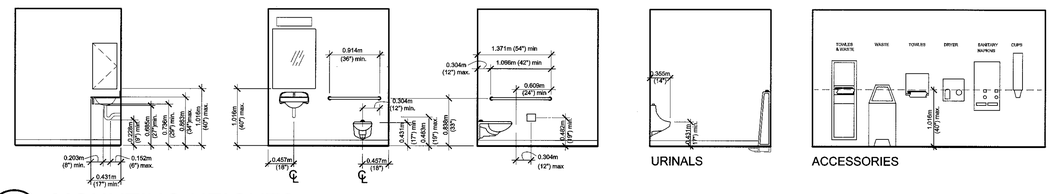
NORTHEAST



NORTHWEST

EXTERIOR ELEVATIONS

SCALE : 1:50



URINALS

ACCESSORIES

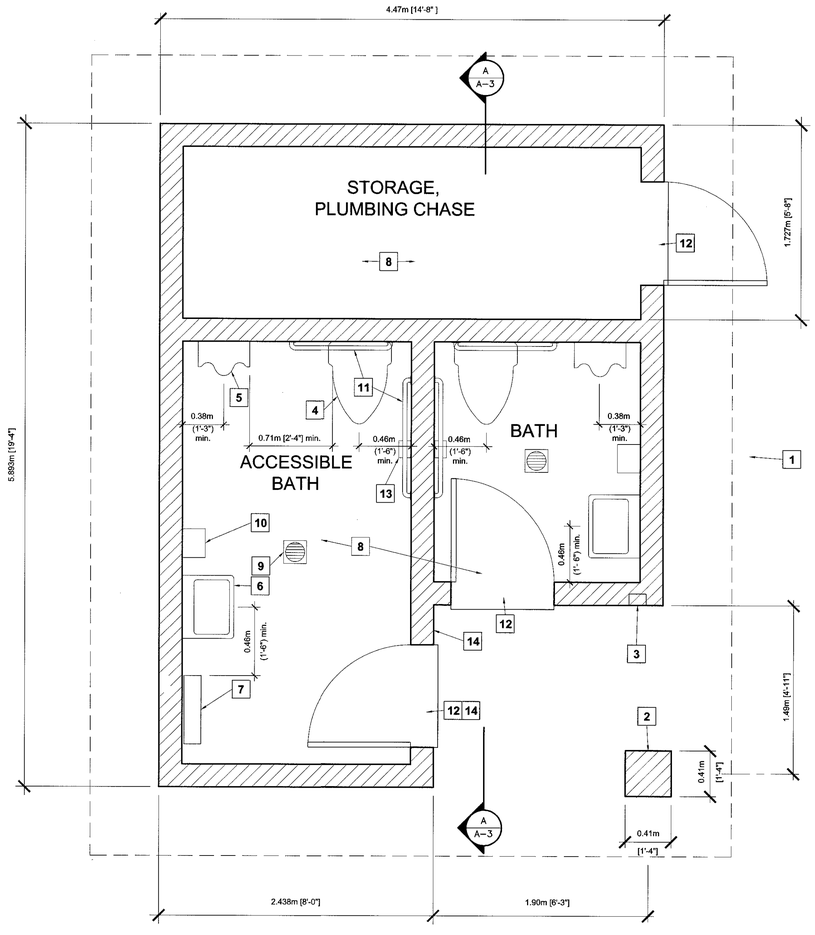
MOUNTING HEIGHTS

SCALE : 1:50

D108002A

FLOOR PLAN KEYNOTES

1. Line of overhang above
2. Concrete block column
3. Recessed wall hydrant
4. Wall-hung water closet
5. Wall-hung urinal
6. Wall-hung lavatory
7. Wall-hung baby changing station
8. Sealed concrete floor
9. Floor drain
10. Electric hand dryer
11. Grab bars
12. 0.91m x 2.03m (3'- 0"x 6'- 8") fiberglass door in metal frame
13. Wall surface-mounted toilet paper holder
14. Accessibility signage per Detail 50, Sheet A-4



FLOOR PLAN

SCALE : 1:25

city of san luis obispo

LICENSED ARCHITECT BRUCE DOUGLAS FRASER No. 28263 Exp. 8-31-14 STATE OF CALIFORNIA

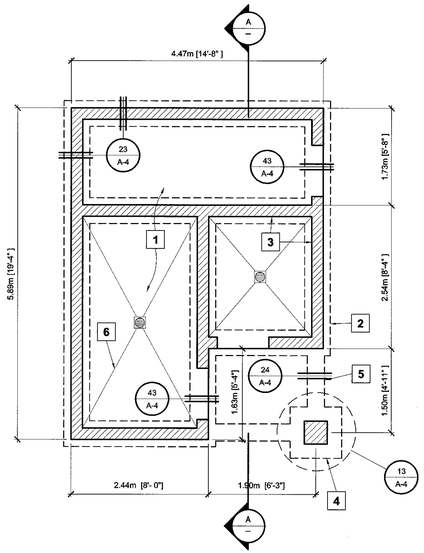
REVISIONS:
Record Drawing

Metric Scale: H:SEE DRAWING V:SEE DRAWING

PROJECT TITLE: NEW RESTROOM FOR THROOP PARK

SHEET TITLE: FLOOR PLAN, ELEVATIONS

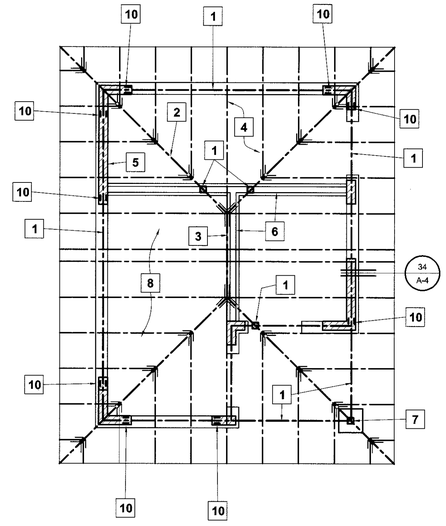
DESIGNED BY: BDF
DRAWN BY: JCP
CHECKED BY:
APPROVED BY:
DATE:
CITY SPECIFICATION NO. SPEC. NO. 99828
SHEET NO. A-2



FOUNDATION PLAN KEYNOTES

1. 0.10m (4") Concrete slab with #4 bars @ 0.61m (24") o.c. each way at mid-depth of slab over 0.10m (4") compacted sand base with waterproof membrane at mid-depth of sand
2. Concrete footing
3. Concrete block walls
4. Column pad footing
5. Concrete tie beam
6. Slope slab to drains as indicated

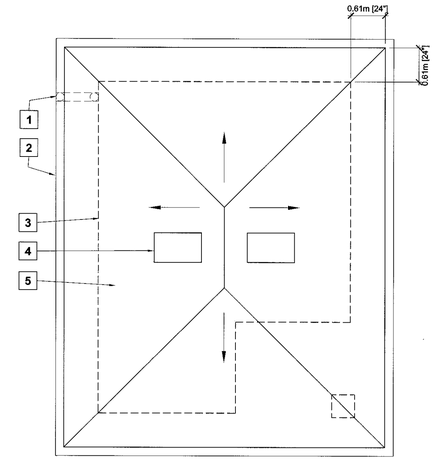
FOUNDATION PLAN
SCALE : 1:50



FRAMING PLAN KEYNOTES

1. 4X10 Header/Beam, typical
2. 2X10 Ridge, typical
3. 2x10 Ridge board
4. 2x6 Rafters @ 0.61m (24") o.c.
5. 6" Conc. block partial walls
   A. Solid grout
   B. #4 vert at 16" o.c.
6. 2x4 Wood stud cripple walls
   A. 2x4 #2DF at 16" o.c.

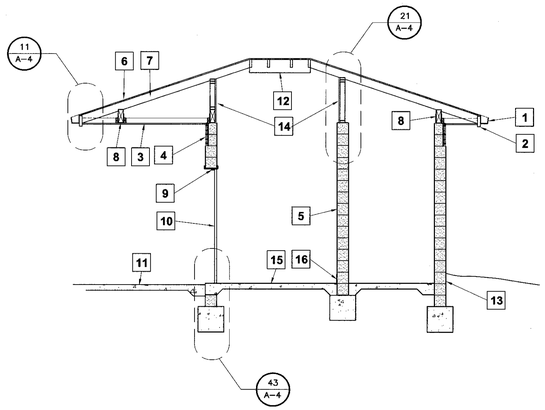
ROOF FRAMING PLAN
SCALE : 1:50



ROOF PLAN KEYNOTES

1. Metal downspout to splash block at grade
2. Continuous metal gutter
3. Line of wall below
4. Metal dormer vent
5. Compisition shingle roof (4:12 slope)

ROOF PLAN
SCALE : 1:50



SECTION KEYNOTES

1. Metal rain gutter, prefinished
2. Wood fascia, painted
3. Plaster soffit, painted
4. Continuous aluminum vent.
5. Concrete block wall, painted at interior
6. Composition asphalt shingles
7. 2x wood framing
8. 4x10 header/beam continuous around building exterior
9. Hollow metal door frame
10. Fiberglass flush panel door, painted
11. Concrete walk/landing
12. Exposed framing and sheathing, painted
13. Waterproof wall below grade
14. Perforated metal screen, painted (cement board and plaster, painted, at wall between bathrooms)
15. Concrete slab, slope to drain
16. Tile wall base

BUILDING SECTION
SCALE : 1:50

LICENSED ARCHITECT BRUCE DOUGLAS FRASER No. C31781 Rem. 6/30/20 STATE OF CALIFORNIA

city of san luis obispo

REVISIONS: Record Drawing

Metric Scale: H: See Drawing V: See Drawing

PROJECT TITLE: NEW RESTROOM FOR THROOP PARK

SHEET TITLE: ROOF, FRAMING, & FOUNDATION PLANS BUILDING SECTION

DESIGNED BY: BDF

DRAWN BY: JCP

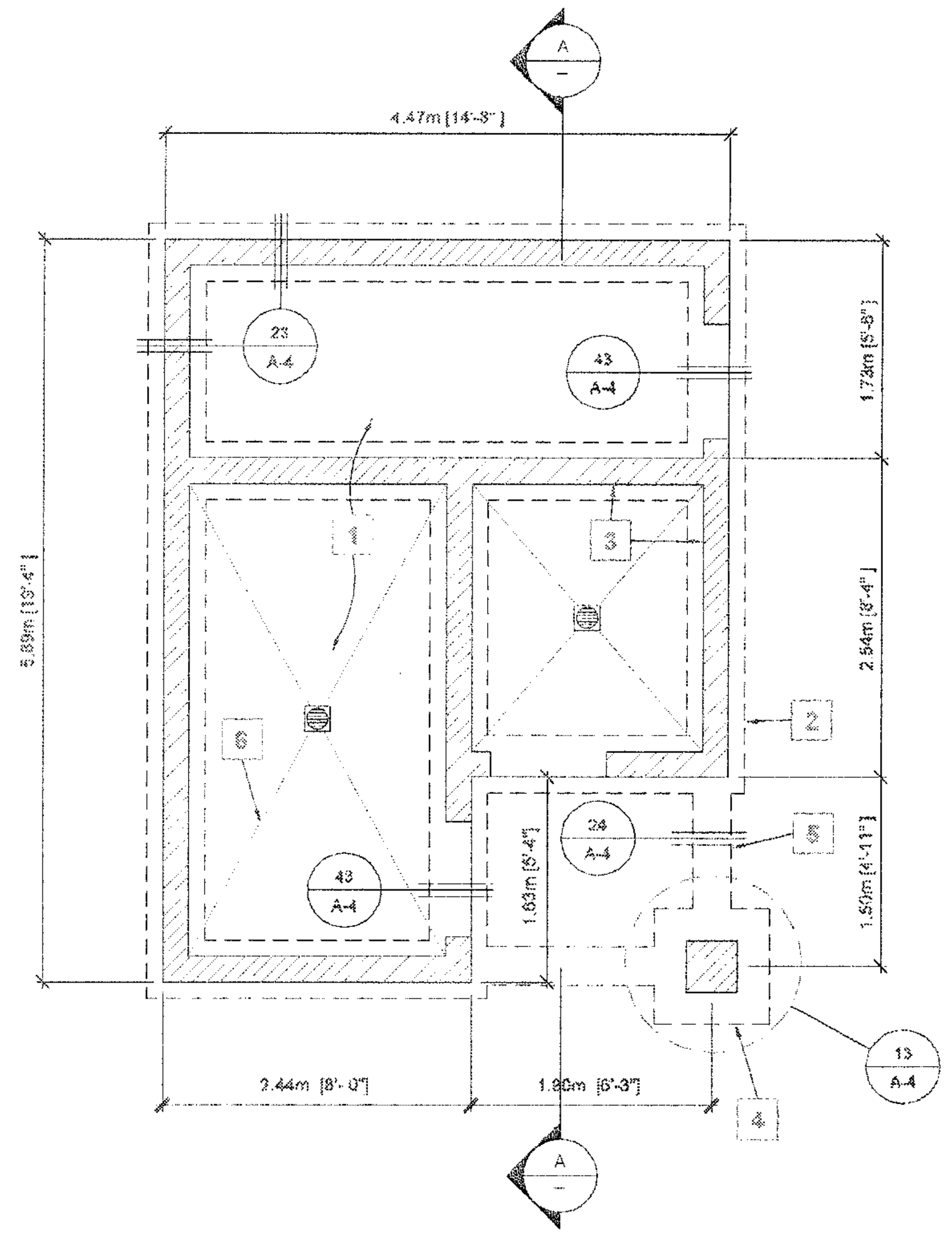
CHECKED BY:

APPROVED BY:

DATE:

CITY SPECIFICATION NO. SPEC. NO. 99828

SHEET NO. A-3

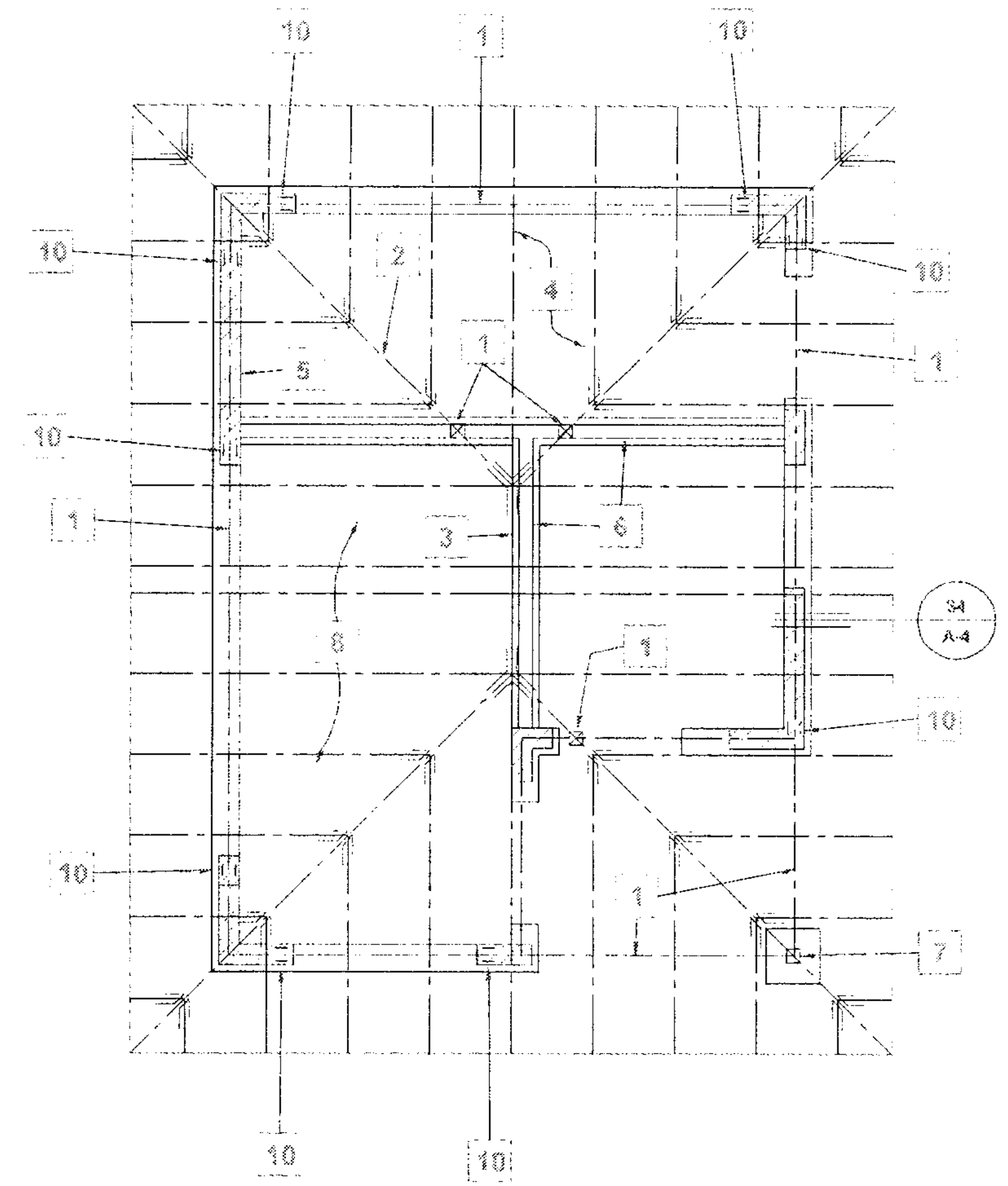


FOUNDATION PLAN KEYNOTES

1. 0.10m (4") Concrete slab with #4 bars @ 0.61m (24") o.c. each way at mid-depth of slab over 0.10m (4") compacted sand base with waterproof membrane at mid-depth of sand
2. Concrete footing
3. Concrete block walls
4. Column pad footing
5. Concrete tie beam
6. Slope slab to drains as indicated

FOUNDATION PLAN

SCALE : 1:50

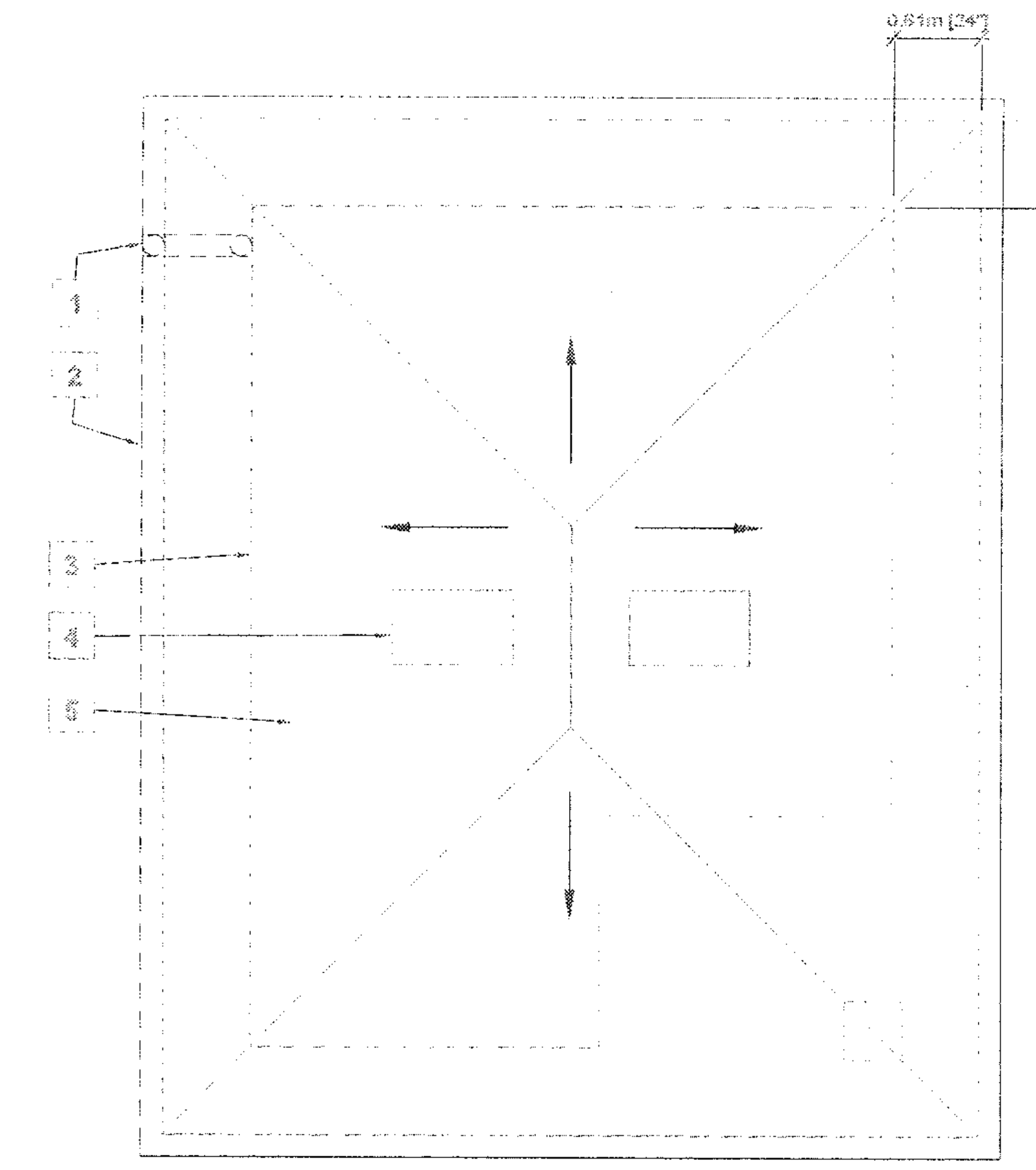


FRAMING PLAN KEYNOTES

1. 4X10 Header/Beam, typical
2. 2X10 Ridge, typical
3. 2x10 Ridge board
4. 2x6 Rafters @ 0.61m (24") o.c
5. 6" Conc. block partial walls
   - A Solid grout
   - B #4 vert at **8"** o.c.
6. 2x4 Wood stud cripple walls
   - A. 2x4 #2DF at 16" o.c.
   - B. See Detail 33/A4 for top splice
7. **4x4 Steel tube column**
   - **A. See Detail 22/A4**
8. **1/2" Plywood roof sheathing, Span rating 24/0**
   - **A. 8d @ 6-6-12"o.c.**
   - **B. Stagger sheets**
   - **C. Lay with face grain perpendicular to framing**
9. **4x4 #1 DF king post**
10. **Simpson EPC44**
    - **A. See Detail 34/A4**

ROOF FRAMING PLAN ADDENDUM

SCALE : 1:50

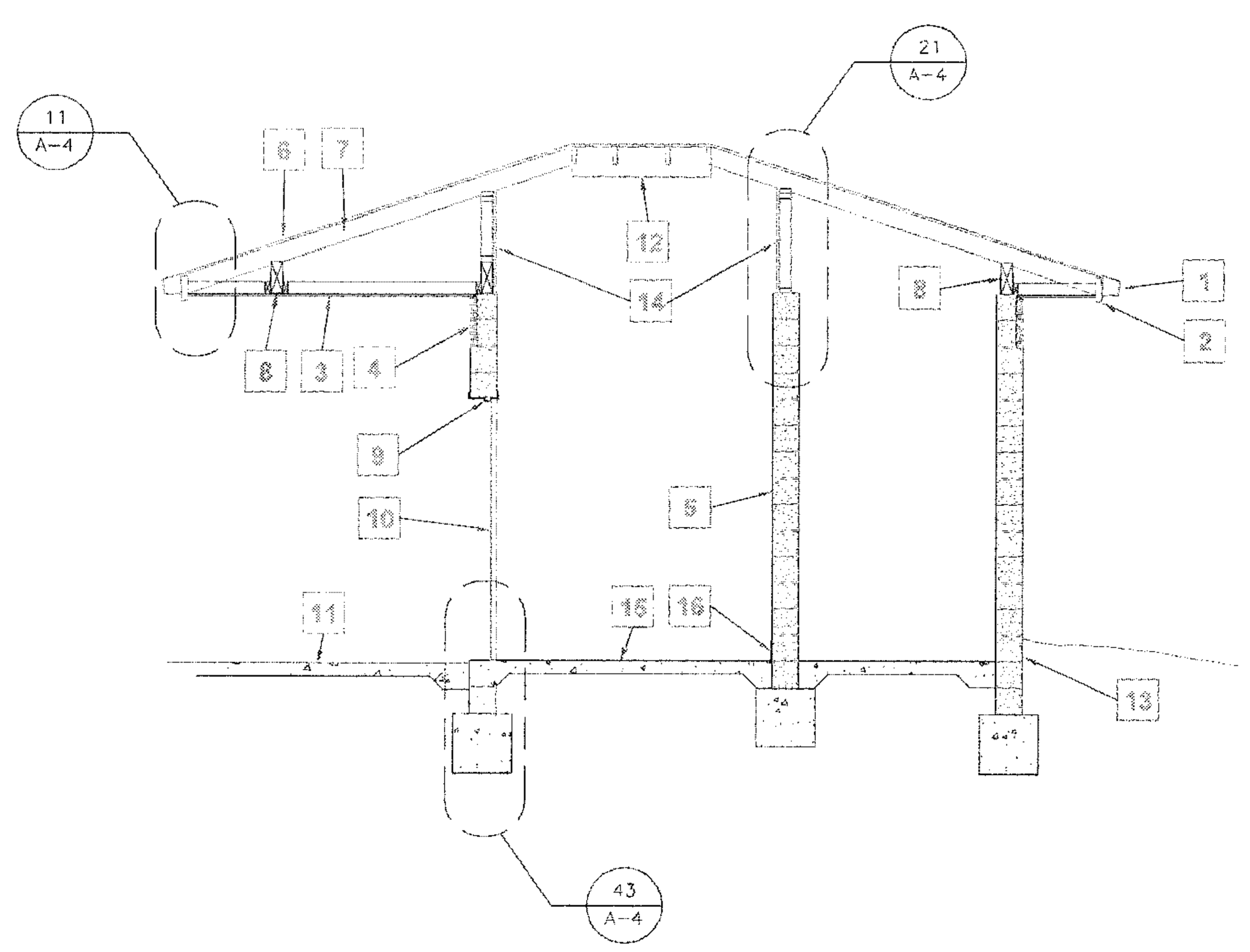


ROOF PLAN KEYNOTES

1. Metal downspout to splash block at grade
2. Continuous metal gutter
3. Line of wall below
4. Metal dormer vent
5. Composition shingle roof (4:12 slope)

ROOF PLAN

SCALE : 1:50



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11. Concrete walk/landing
12. Exposed framing and sheathing, painted
13. Waterproof wall below grade
14. Perforated metal screen, painted (cement board and plaster, painted, at wall between bathrooms)
15. Concrete slab, slope to drain
16. Tile wall base

A BUILDING SECTION

SCALE : 1:50

RECORD DRAWING
DATE: 06/07/02 BY: SR

City of San Luis Obispo

NEW RESTROOM FOR THROOP PARK

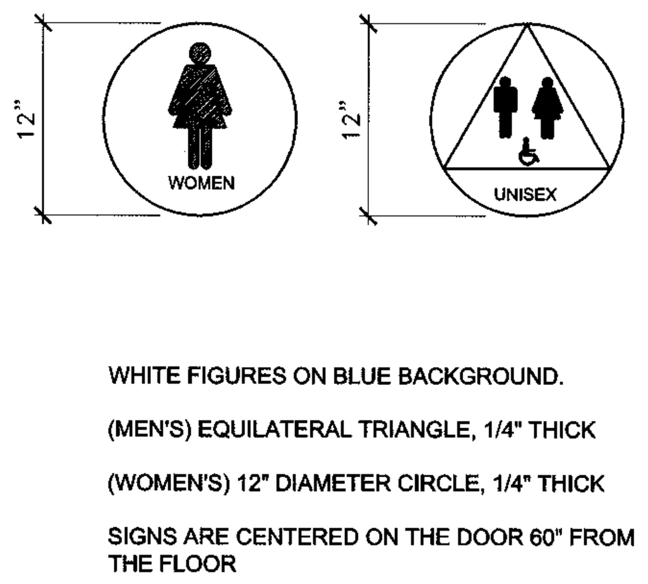
ROOF, FRAMING, & FOUNDATION PLANS
BUILDING SECTION

BDF

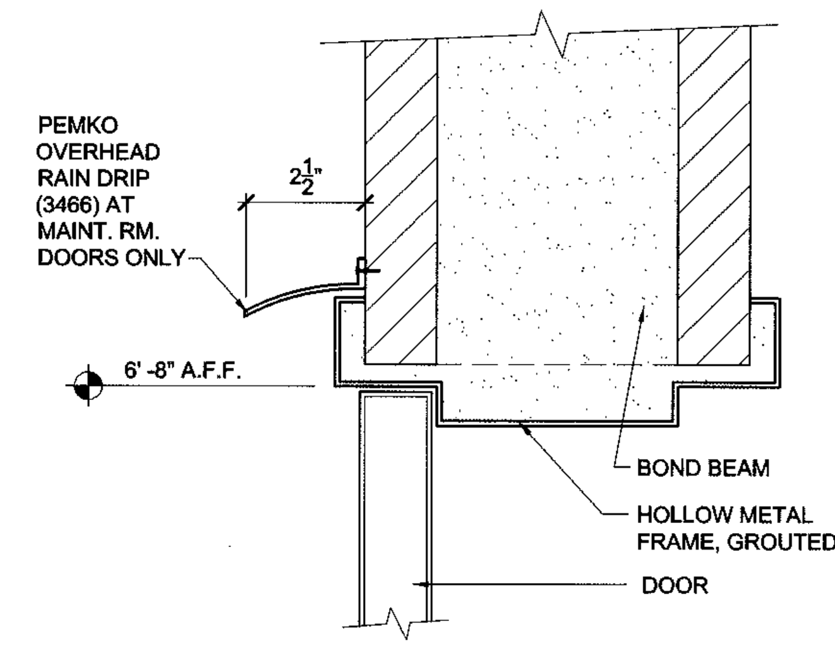
JCP

SPEC. NO. 99828

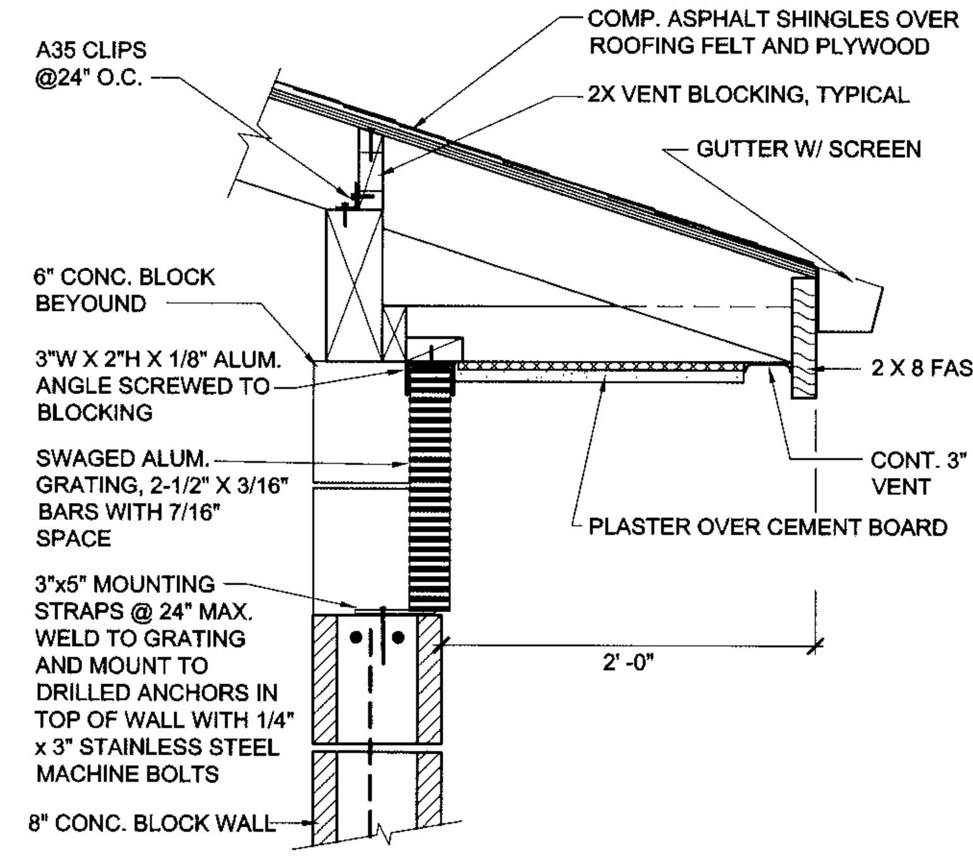
A-3 R



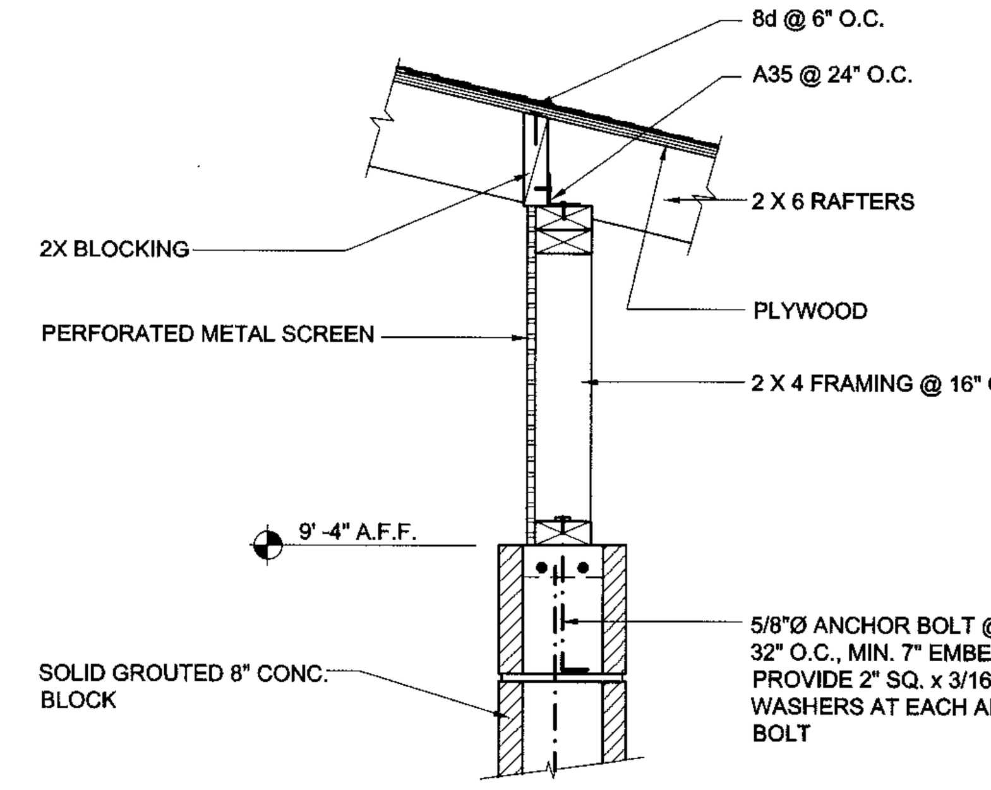
51 **DOOR SIGNAGE**
NTS D104004B



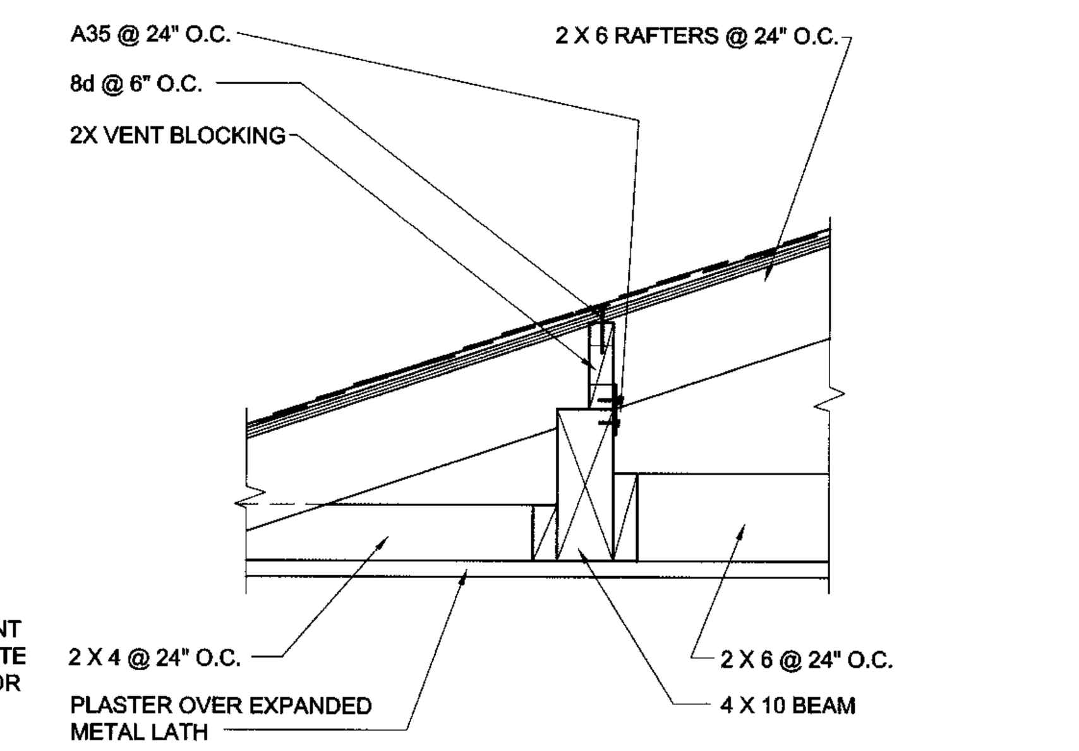
41 **DOOR HEAD JAMB SIM.**
3"=1'- 0" D087008A



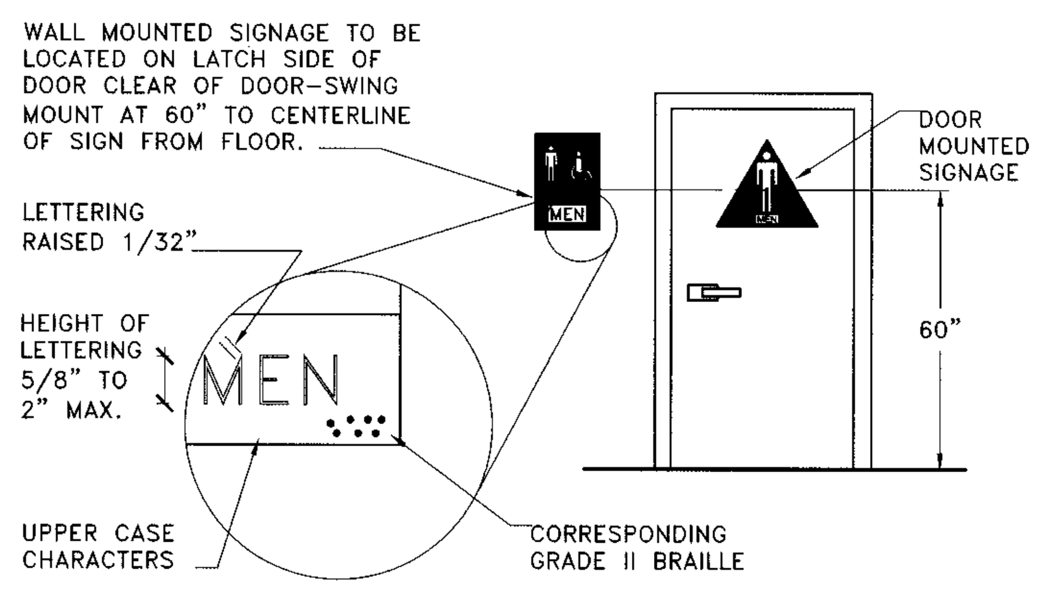
31 **EAVE DETAIL**
1" =1' -0" D061233A



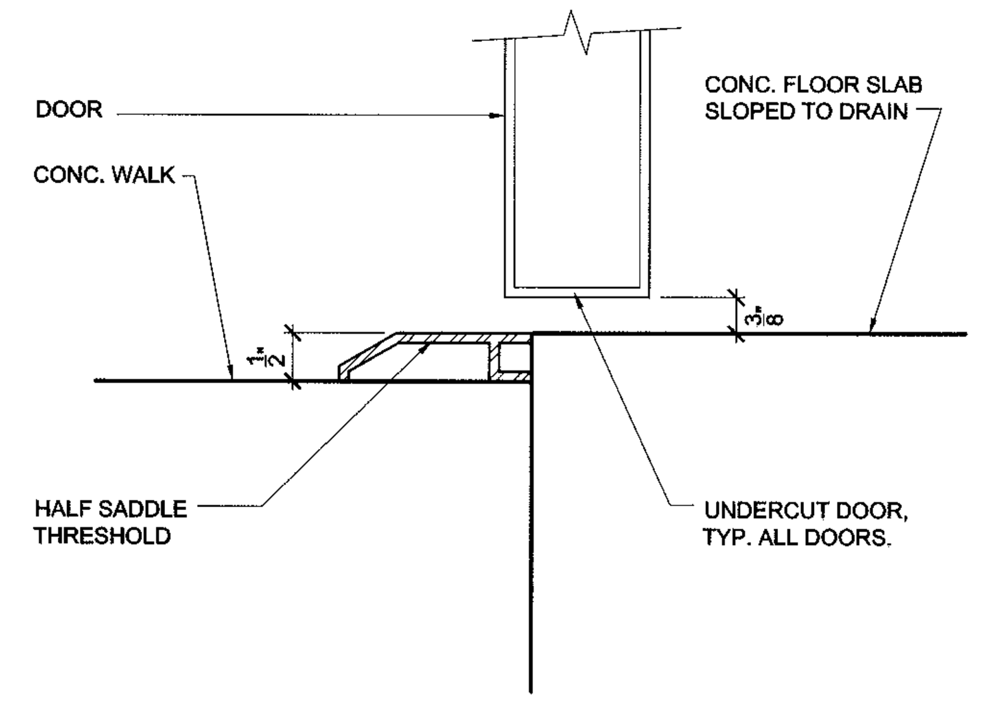
21 **VENT SCREEN**
1" =1' -0" D061230A



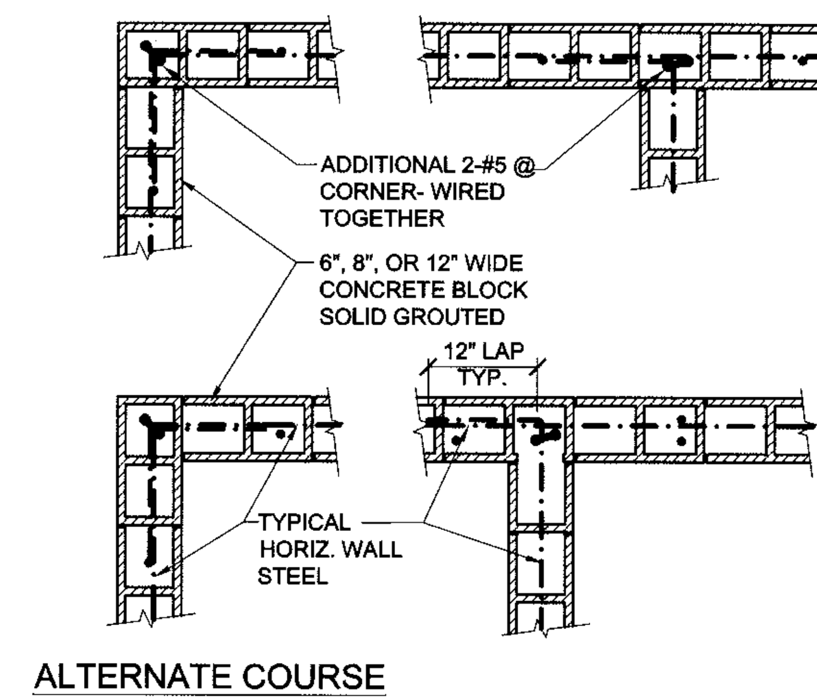
11 **BEAM AT SOFFIT**
1" =1' -0" D061232A



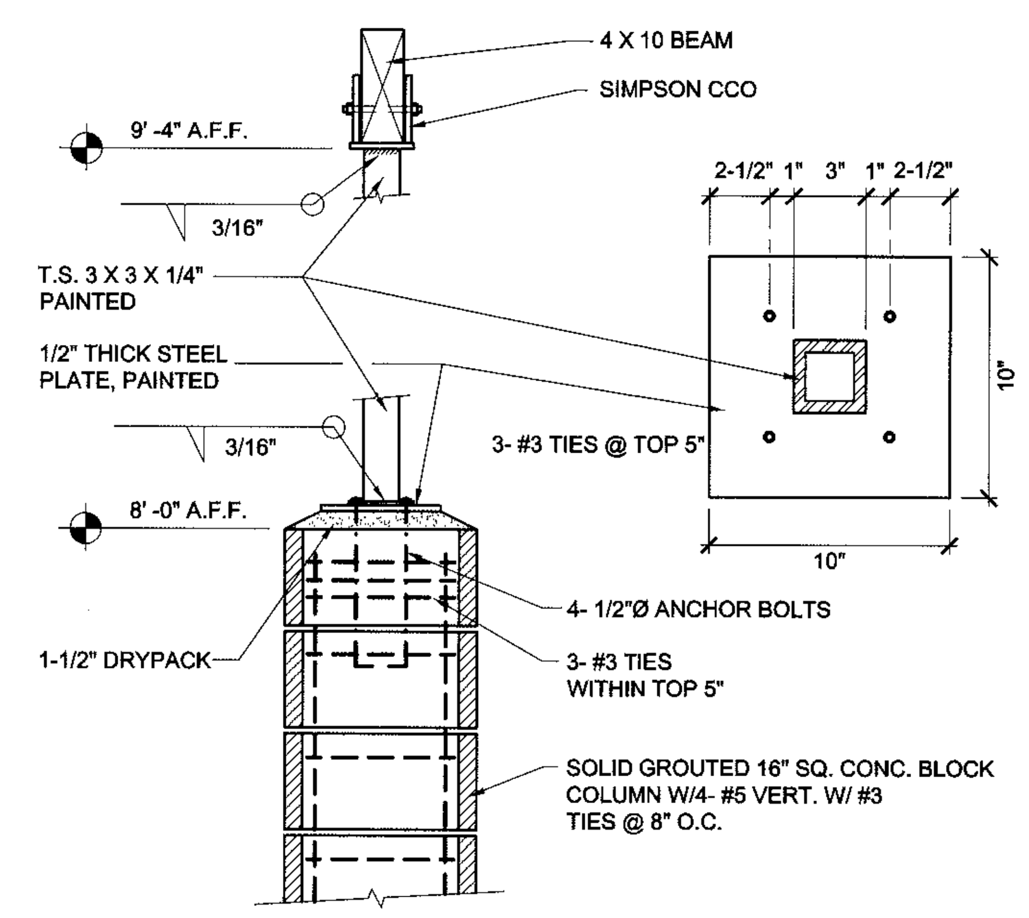
52 **DOOR SIGNAGE**
NTS D104003A



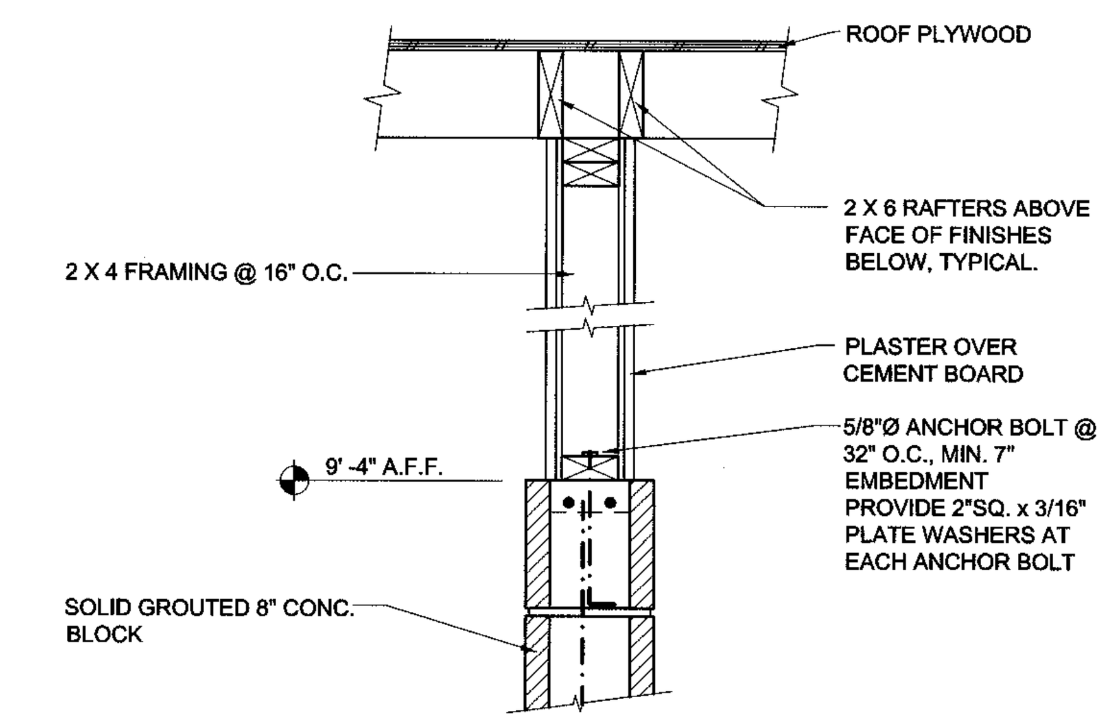
42 **MAINT. DOOR THRESHOLD**
6"= 1' - 0" D087007A



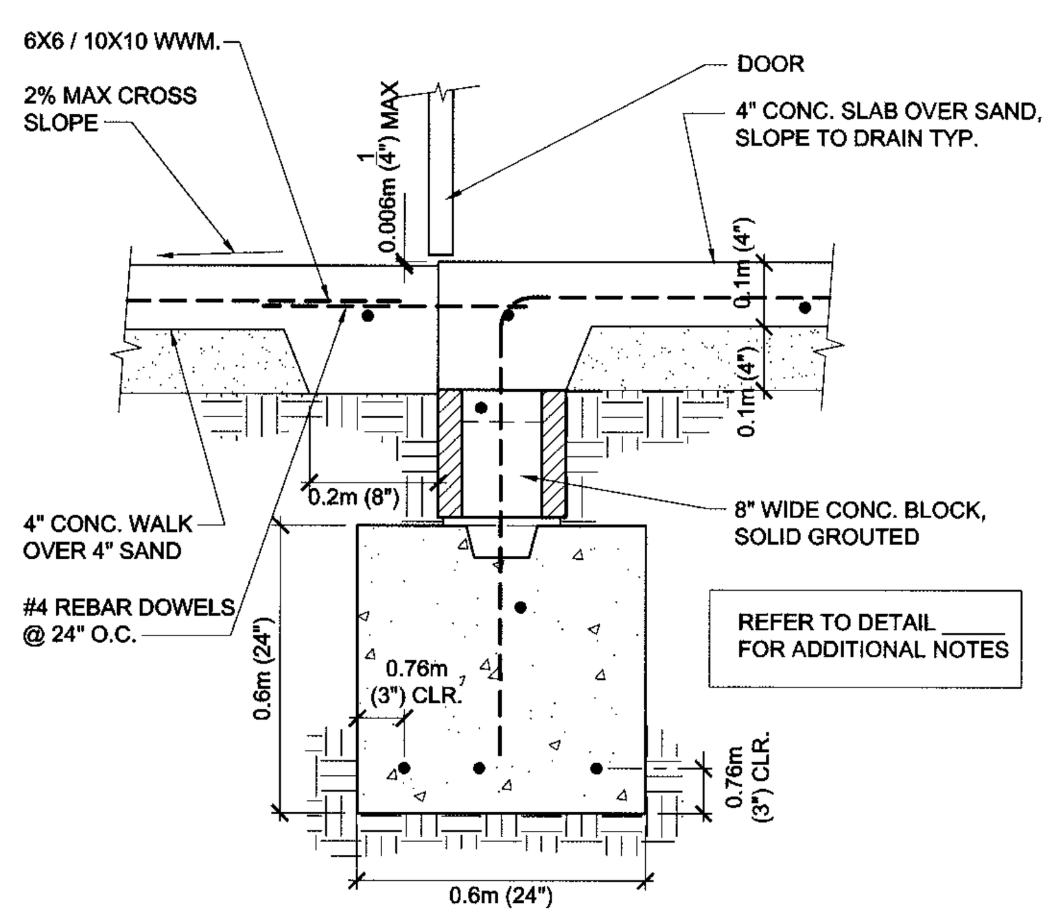
32 **TYP. CONC. BLK. WALL @ CORNER**
1/2"= 1' -0" D042015A



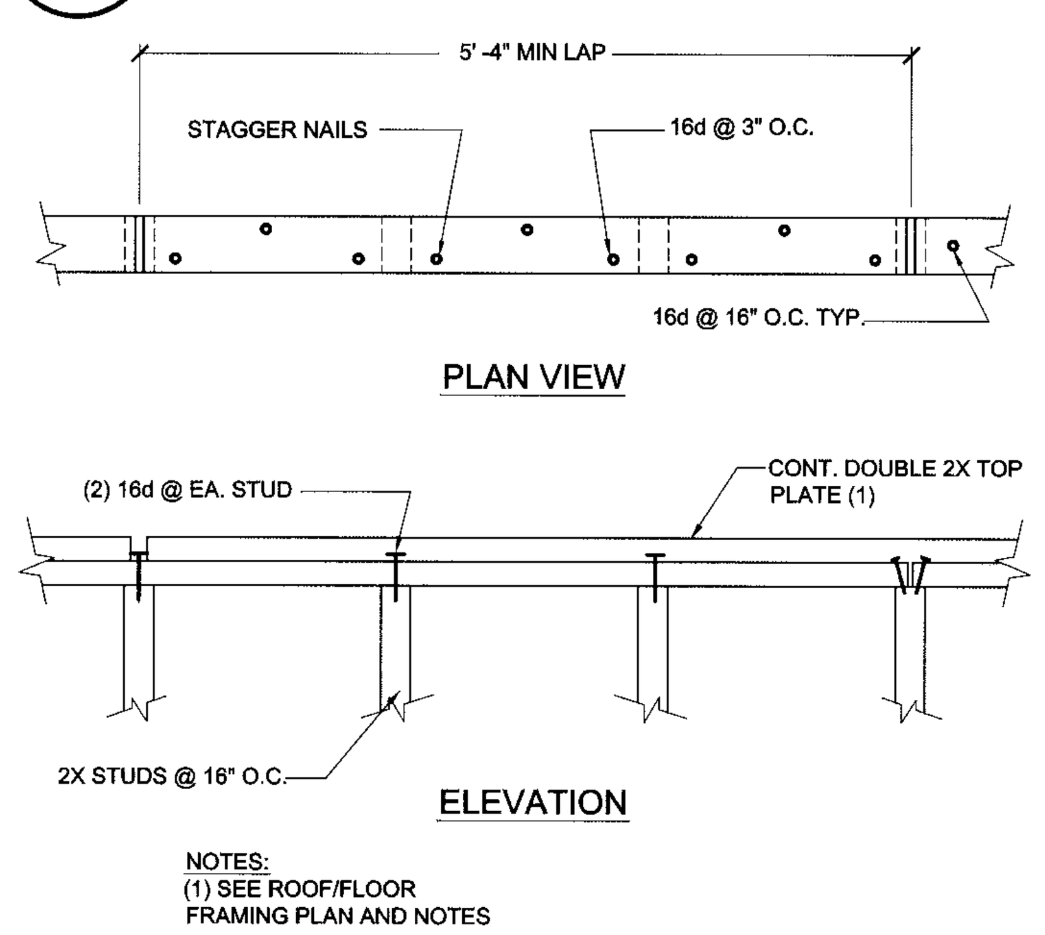
22 **STL. TUBE AND PLATE**
3/4"= 1' -0" 1-1/2"= 1' -0" D033108A



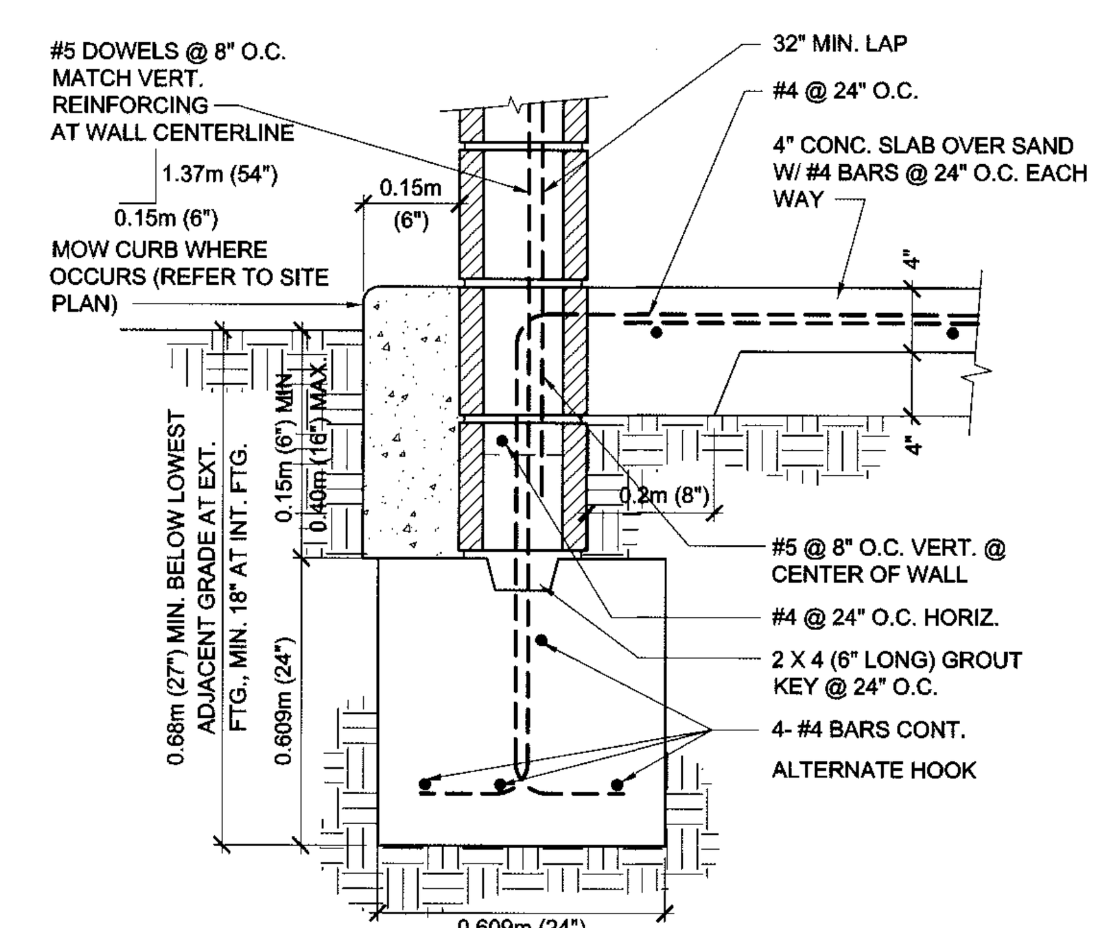
12 **INTERIOR PARTITION**
1" =1' -0" D061231A



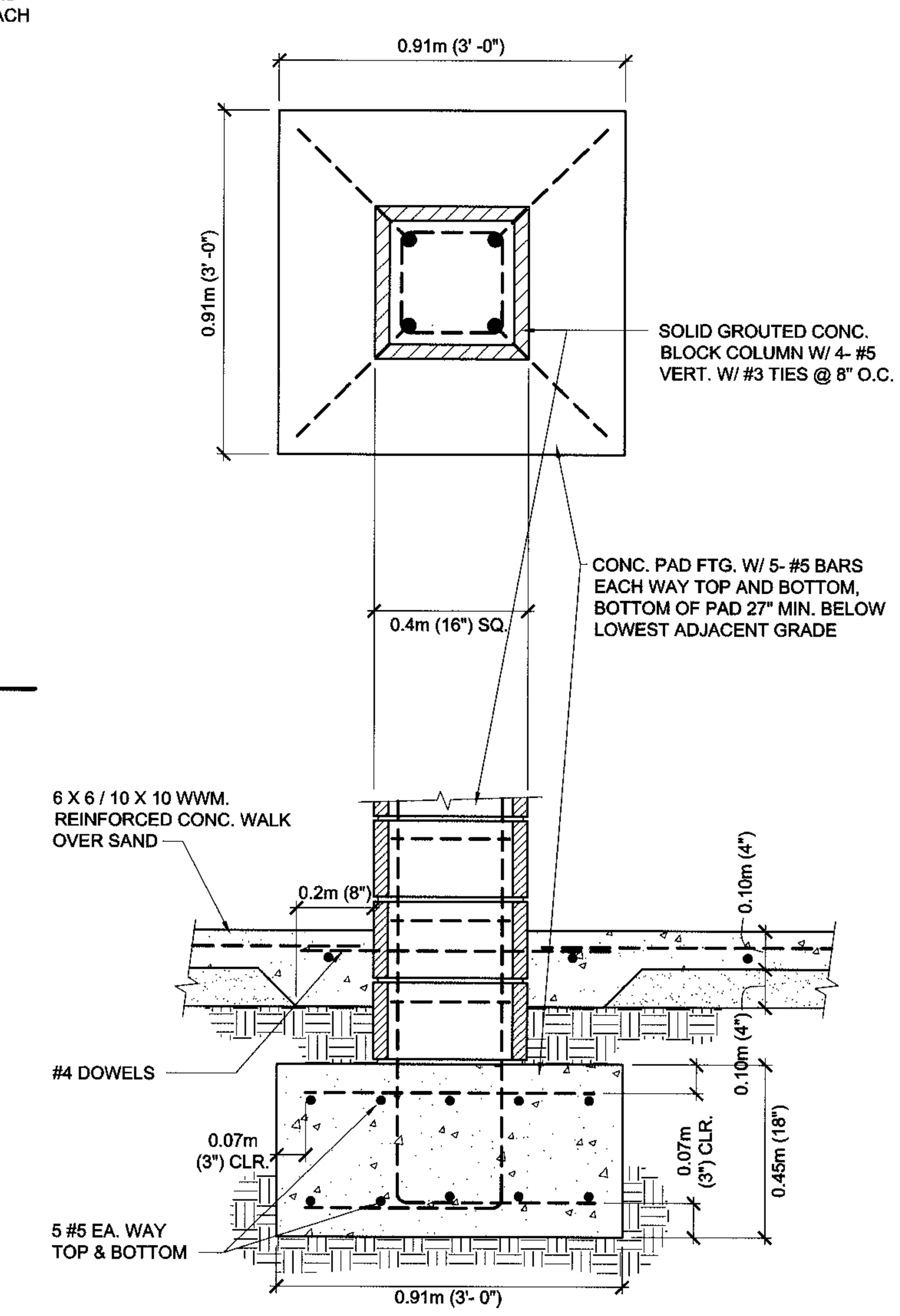
43 **FTG. AT DOOR / WALK**
1" =1' -0" D033111A

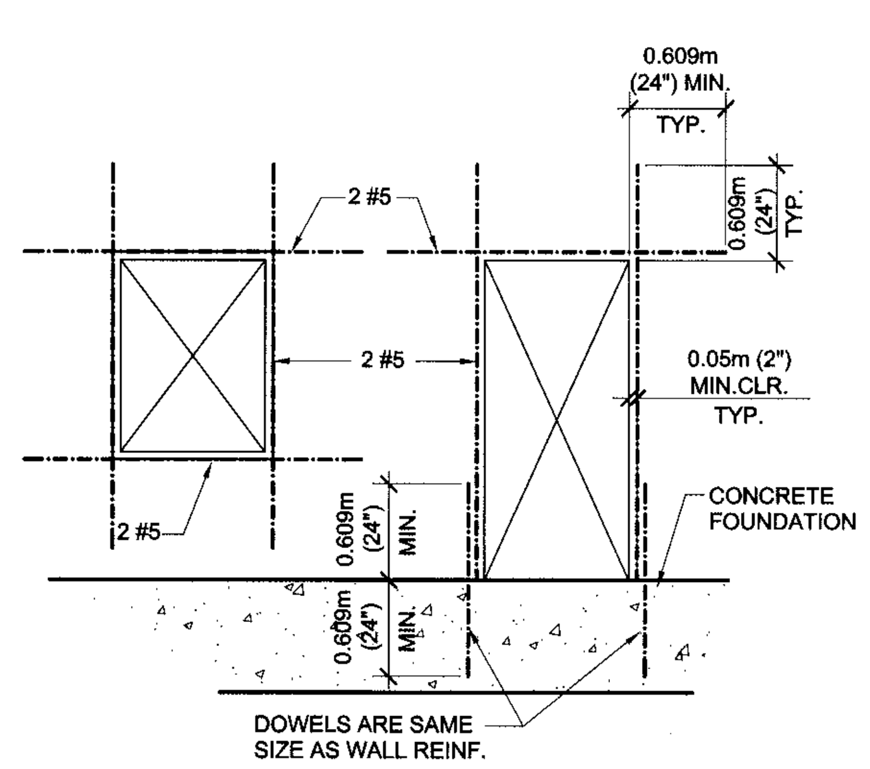


33 **TOP PLATE SPLICE**
1"=1'- 0" D061022A

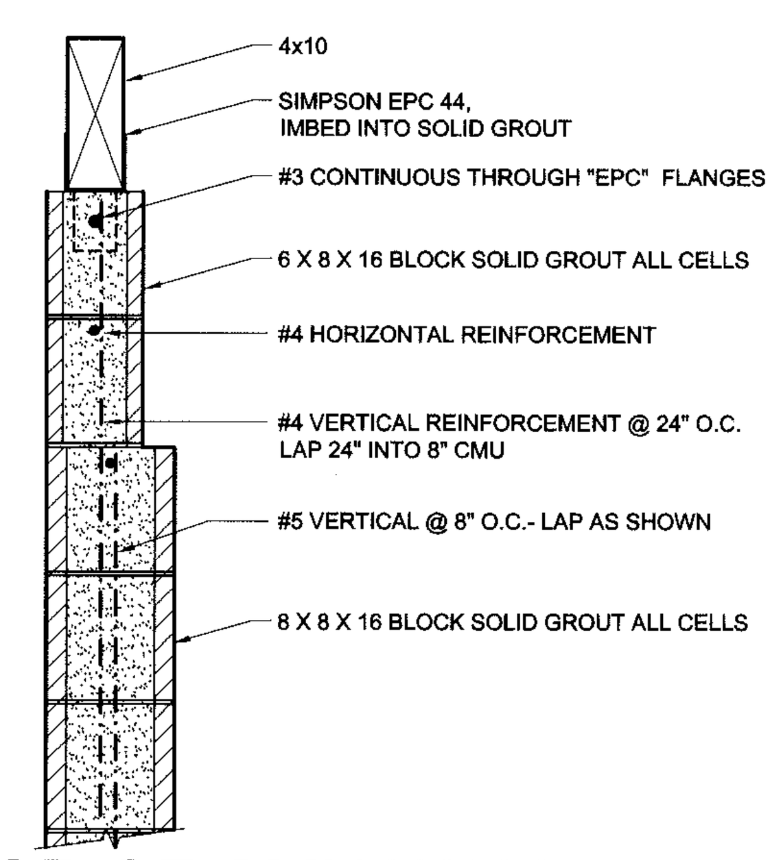


23 **BLOCK WALL FOOTING**
1" =1' -0" D033110A

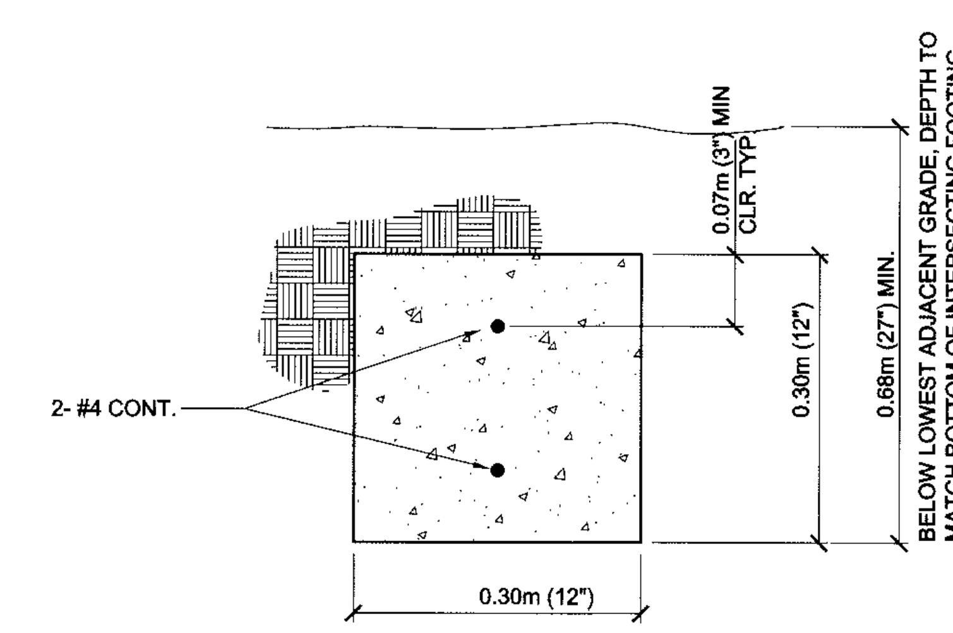




44 **TYPICAL OPENING REINF.**
1/4"= 1'-0" D042025A



34 **TOP OF CMU WALL**
1" =1' -0" D042024A



24 **TIE BEAM**
1 1/2"=1'- 0" D033014C

13 **COLUMN PAD FOOTING**
3/4"= 1' -0" D033109A

LICENSED ARCHITECT BRUCE DOUGLAS FRASER No. C9787 STATE OF CALIFORNIA

city of san luis obispo

Metric Scale: H: SEE DRAWING V: SEE DRAWING

REVISIONS: Record Drawing

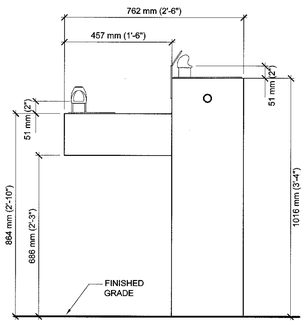
PROJECT TITLE: **NEW RESTROOM FOR THROOP PARK**

SHEET TITLE: **STRUCTURAL DETAILS**

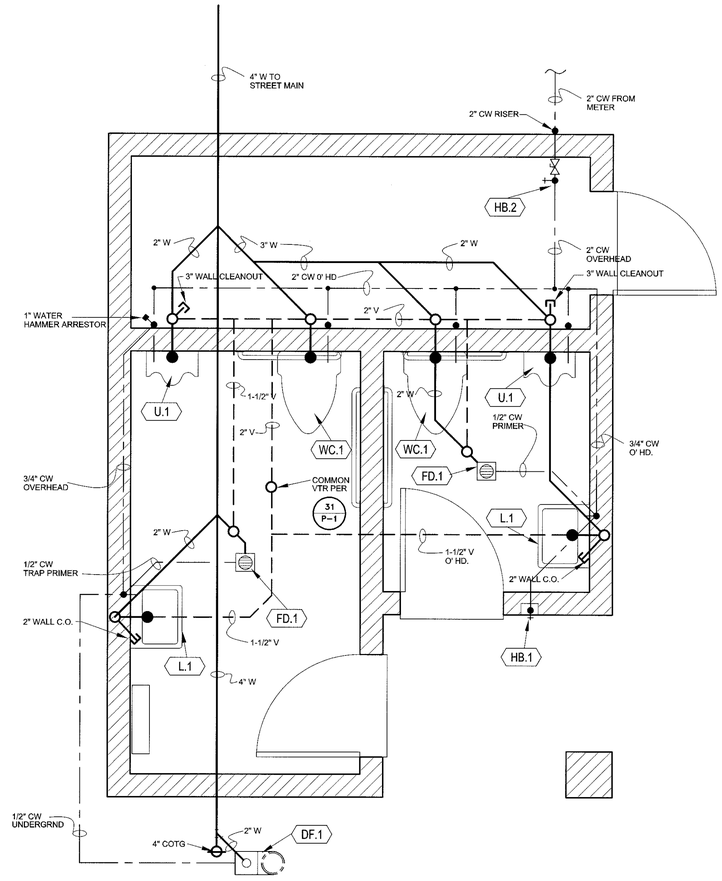
DESIGNED BY: BDF
DRAWN BY: JCP
CHECKED BY:
APPROVED BY:
DATE:
CITY SPECIFICATION NO. SPEC. NO. 99828
SHEET NO. A-4

PLUMBING FIXTURE SCHEDULE

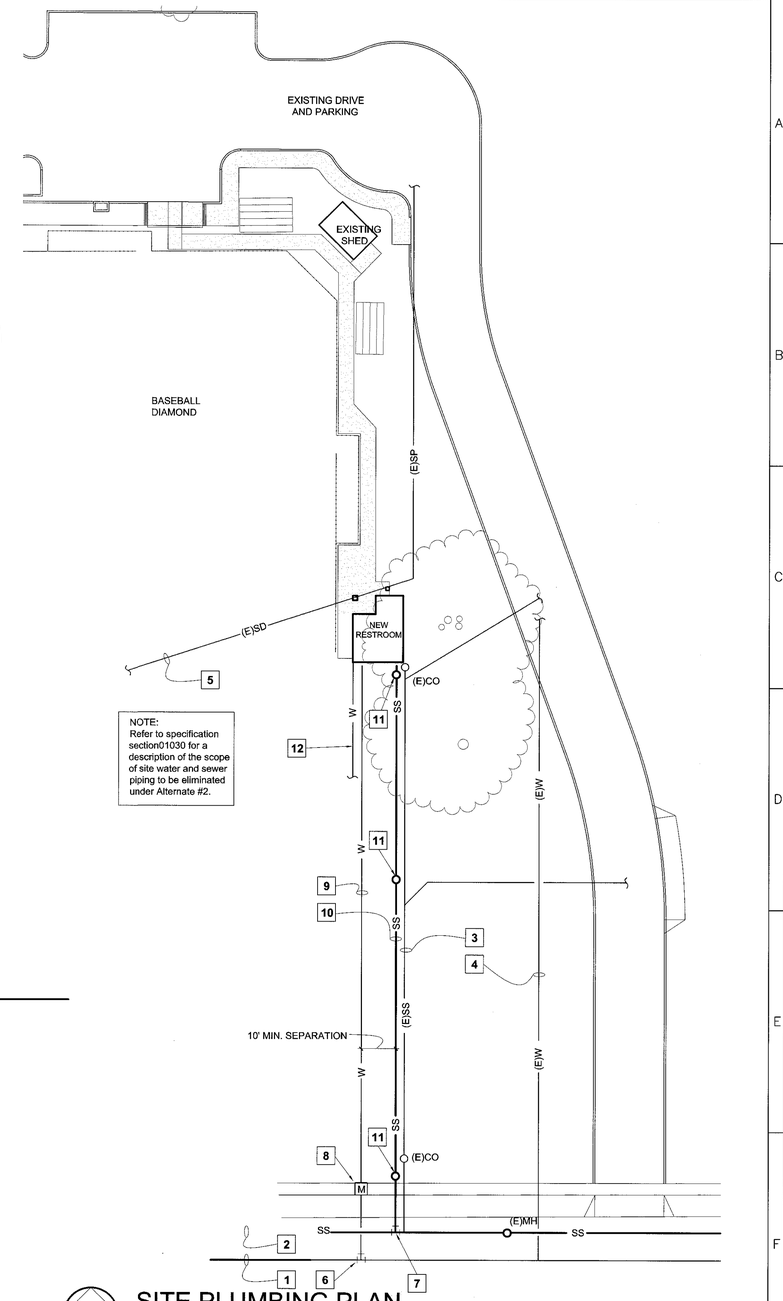
Symbol	Description	Min. Branch Size				Make/Model	Fittings	Remarks
		W	V	CW	HW			
WC-1	Water Closet	3	2	1-1/4	-	American Standard Afwall #2258.125	Sloan Royal Sensor flush valve # 152-1.5ES-S	Wall mounted, with J.R. Smith carrier #210-Y, Olsonite seat #10CC, 120/1/60 power to sensor transformer; max. 1.6 gallons per flush
U-1	Urinal	2	1-1/2	1-1/4	-	American Standard Stallbrook #6400.014	Sloan Royal Sensor flush valve # 195-1 ES-S	Floor mounted, 120/1/60 power to sensor transformer
L-1	Lavatory	2	1-1/2	1/2	-	American Standard Lucerne # 0356.421	Chicago Faucet #333-669	Wall mounted, E27 vacuum breaker, stop, supply and c.p. brass "P" trap, max. faucet aerator flow 2.2 gallons per minute
FD-1	Floor Drain	2	2	1/2	-	J.R. Smith #2005-A-P	L-1 "P" trap primer	5" dia. cast iron
HB-1	Hose Bibb	-	-	3/4	-	Woodford B24	-	Chrome plated brass, anti-siphon, locking 7-1/8"x 8-3/4" wall box
HB-2	Hose Bibb	-	-	3/4	-	Woodford 24C	-	Brass, anti-siphon
DF-1	Drinking Fountain	2	-	1-1/2	-	Haws 3300G	-	Galvanized steel, Dual height fountains per detail 50/P-1



50 DRINKING FOUNTAIN
1" =1' -0" D154008A



BUILDING PLUMBING PLAN
SCALE : 1:25

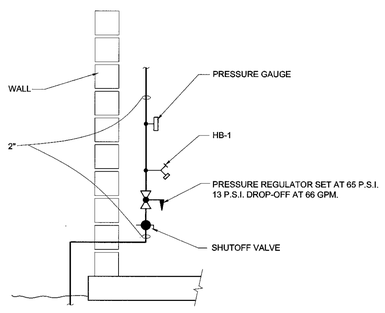


NOTE:
Refer to specification section01030 for a description of the scope of site water and sewer piping to be eliminated under Alternate #2.

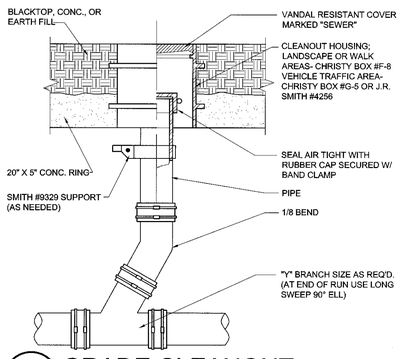
SITE PLUMBING PLAN
SCALE : 1:250

SITE PLUMBING KEYNOTES

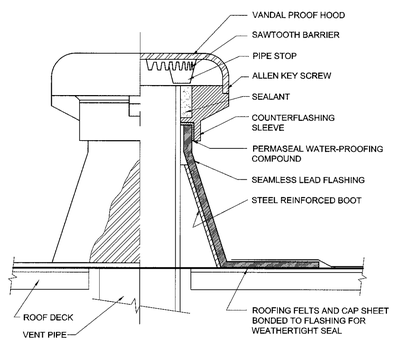
1. Existing street sewer main
2. Existing street water main
3. Existing 4" PVC sanitary sewer line to remain
4. Existing fire suppression water line to remain
5. Existing 24" CMP storm drain to remain
6. New 2" type "K" copper water lateral and tap per City Engineering Standard #6210
7. New 4" Class 150 cast iron sewer lateral and wye connection per City Engineering Standard #6810
8. New 1-1/2" water meter, fittings and vault per City Engineering Standard #6210
9. New 2" water line; approved plastic
10. New 4" sewer, 1/4" per foot fall; approved plastic if more than 18" cover, cast iron if less than 18" cover; trench per City Engineering Standard #6810
11. New 4" cleanout to grade, maximum interval 30.48 meters (100 feet)
12. Existing water line, size to be confirmed in field; cut and cap per Engineering Standards min. 24" outside new footings



51 PRESSURE REGULATOR
1" =1' -0" D152002A



41 GRADE CLEANOUT
1" =1' -0" D152003A



31 VENT THROUGH ROOF
1" =1' -0" D152004A

LICENSED ARCHITECT BRUCE DOUGLAS FRASER No. C29737 Rev. 12.31.21 STATE OF CALIFORNIA

city of san luis obispo

REVISIONS:
Record Drawing

Metric Scale: H: See Drawing V: See Drawing

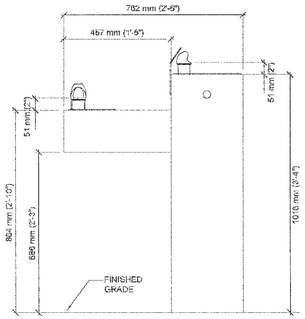
PROJECT TITLE:
NEW RESTROOM FOR THROOP PARK

SHEET TITLE:
BUILDING, SITE PLUMBING PLANS

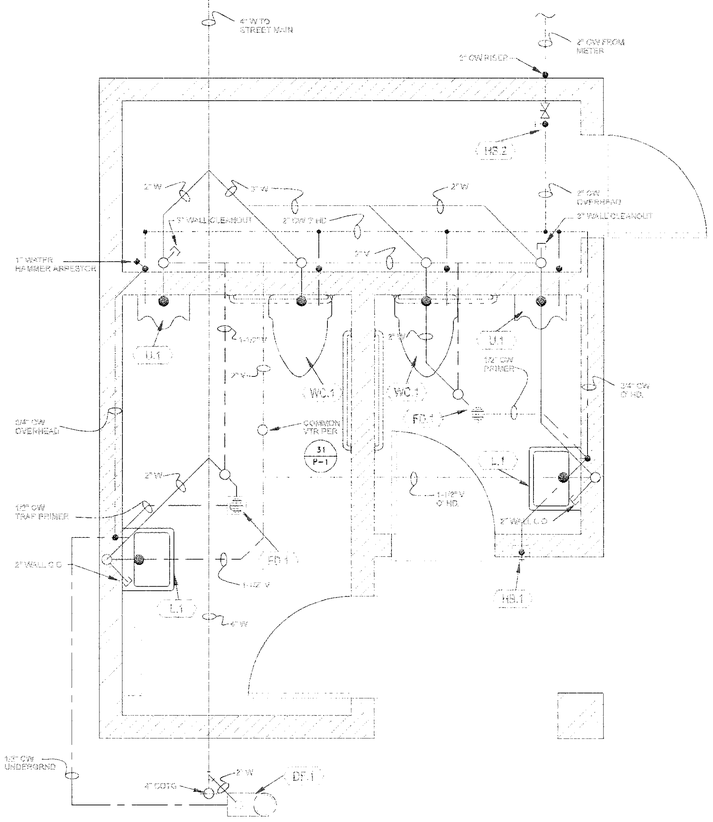
DESIGNED BY: BDF
DRAWN BY: JCP
CHECKED BY:
APPROVED BY:
DATE:
CITY SPECIFICATION NO.: SPEC. NO. 99828
SHEET NO.: P-1

PLUMBING FIXTURE SCHEDULE

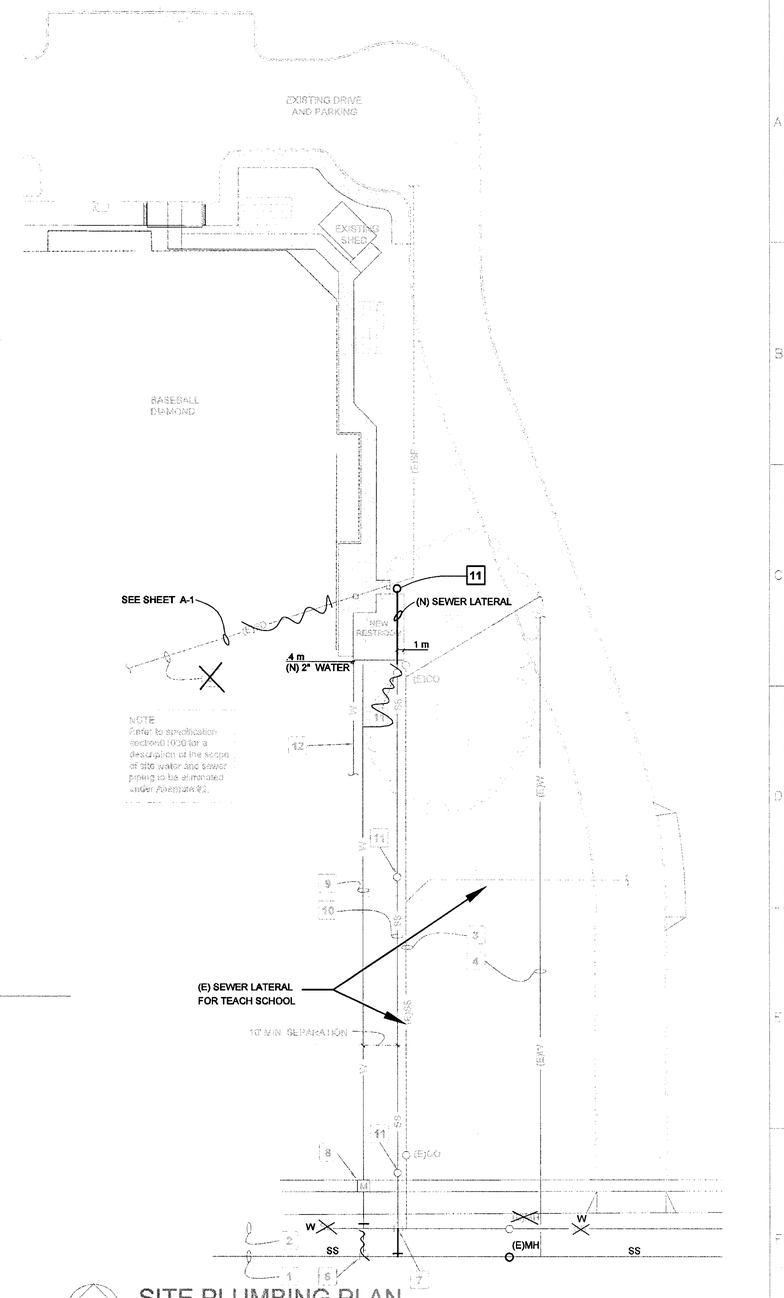
Symbol	Description	Min. Branch Size				Make/Model	Fittings	Remarks
		W	V	CW	HW			
WC-1	Water Closet	3	2	1-1/4	-	American Standard Afwall #2253.115	Sloan Royal Sensor flush valve # 152-1.6ES-S	Wall mounted, with J.R. Smith carrier #210-Y. Chromix seat #1000, 120/100 power to sensor transformer, max. 1.6 gallons per flush
U-1	Urinal	2	1-1/2	1-1/4	-	American Standard Stallbrook #6400.014	Sloan Royal Sensor flush valve # 195-1 ES-S	Floor mounted, 120/100 power to sensor transformer
L-1	Lavatory	2	1-1/2	1/2	-	American Standard Lucerne # 0356.421	Chicago Faucet 9338-369	Wall mounted, 827 vacuum breaker, stop, supply and e.p. brass "P" trap, mark faucet aerator flow 2.2 gallons per minute
FD-1	Floor Drain	2	2	1/2	-	J.R. Smith #2005-A-P	L-1 "P" trap primer	5" dia. cast iron
HB-1	Hose Bibb	-	-	3/4	-	Woodford B24	-	Chrome plated brass, anti-siphon, locking 7-1/8"x 8-1/4" wall box
HB-2	Hose Bibb	-	-	3/4	-	Woodford 24C	-	Brass, anti-siphon
DF-1	Drinking Fountain	2	-	1-1/2	-	Haws 3300G	-	Galvanized steel, Dual height fountains per detail #DF-1



50 DRINKING FOUNTAIN
1" =1' -0" D154008A



BUILDING PLUMBING PLAN
SCALE : 1:25



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SCALE : 1:250

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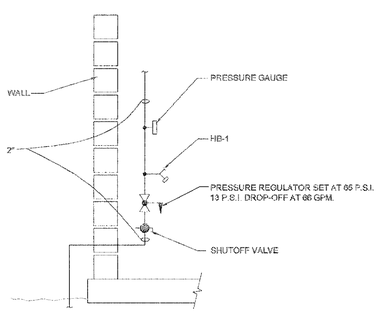
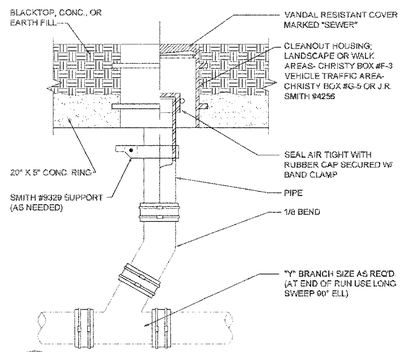
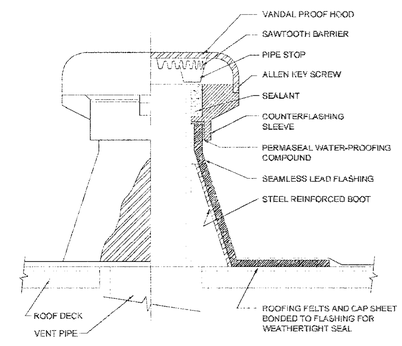


51 PRESSURE REGULATOR
1" =1' -0" D152002A



41 GRADE CLEANOUT
1" =1' -0" D152003A



31 VENT THROUGH ROOF
1" =1' -0" D152004A

NEW RESTROOM FOR TROOP PARK
BUILDING SITE PLUMBING PLANS

BDF
JCP

SPEC. NO. 99828

RECORD DRAWING
DATE: 6/7/02 BY: SR

P-1R

GENERAL NOTES

1. CODE COMPLIANCE: All work shall conform to and be performed in accordance with codes, standards, and ordinances as set forth by the authorities having jurisdiction and their latest adopted editions (in effect at time of building permit application) of the following publications:

   (a) California Code of Regulations Title 24; includes 1995 California Electrical Code, Uniform Fire Code, Uniform Building Code, etc. with California and other local amendments as applicable.
   (b) Americans with Disabilities Act (ADA)

2. SAFETY: The Electrical Contractor is responsible to maintain all equipment in a safe and responsible manner. Keep dead front equipment in place while equipment is energized. Conduct all construction operations in a safe manner for employees as well as other workpersons or anyone visiting the job site. Provide barriers, flags, tape, etc. as required for safety. The Contractor shall hold all parties harmless of negligent safety practices which may cause injury to others on or near the job site.

3. FIRE RATED ASSEMBLIES shall maintain ratings as specified in 1995 California Building Code chapter 7. General Contractor shall provide and install physical enclosure around fixtures, panels, etc. as required. All assemblies to be penetrated shall be installed with applicable through-penetration firestop system as determined by UL classification. Before construction, verify and comply with requirements of local authority having jurisdiction.

4. MOUNTING HEIGHTS in inches to centerline above finish floor shall be as follows unless otherwise noted:
   +16" AFF: receptacles, telephone, TV & data outlets.
   +44" AFF: light switches.
   +48" AFF: fire alarm manual pull stations, T-stats.
   The lower of +80" AFF or 6" below ceiling: fire alarm visuals.

   Before rough-in, verify all mounting heights and exact locations for all equipment electrical connections, stub-ups, receptacles, outlets, etc. with Architect or Owner. Place devices located above counters, shelving, etc. and in bathrooms so as not to conflict with edges of wainscoting, counter splash, shelving, etc. Architectural sheets shall govern.

5. LABEL panels, cabinets, backboards, main devices, safety switches, contactors and other specifically designated equipment shown on plans. Use engraved laminated plastic nameplates attached by screws or rivets. Neatly and indelibly label conduit destinations on both visible ends of conduit runs where conduits terminate at designated enclosures, structures or equipment (including pull and splice boxes). Correct existing panel directories and field-labeled designations to reflect new conditions.

6. EQUIPMENT GROUNDING CONDUCTORS shall be installed in ALL power system raceways.

7. MINIMUM CONDUIT SIZE shall be 1/2" except use minimum 3/4" for underslab homeruns and below grade outside of building exterior walls. Run exposed conduit square and plumb with building lines.

8. BEFORE CONSTRUCTION, PROVIDE SUBMITTALS of proposed products for Owner review and approval. All equipment and materials shall be new and listed, labeled or certified for its use by a Nationally Recognized Testing Laboratory (NRTL) as recognized by the US Dept. of Labor, Occupational Safety and Health Administration. The quality and suitability of all products and materials shall conform to the standards and practices of this trade.

9. THE ELECTRICAL PLANS indicate the general layout and arrangement; exact locations shall be determined by the architectural drawings and field conditions. Field verify all conditions and modify as required to satisfy design intent. Maintain all required working clearances.

10. DISCREPANCIES shall be brought immediately to the attention of the Architect for clarification. Any changes shall be approved by the Architect. Prior to rough-in, refer to architectural plans which shall take precedence over electrical plans with respect to locations.

11. PROFESSIONALISM AND APPEARANCE of all installations shall be in accordance with accepted practices of this trade. Installation methods shall conform to manufacturers' specifications. The Contractor shall provide the job with qualified journeymen and helpers in this trade for the duration of the job. It is the Contractor's responsibility to communicate with and keep the job superintendent appraised of changes or clarifications, etc.

12. THE INTENT OF THESE SPECIFICATIONS is to establish a standard of quality for materials and equipment. Therefore, some items are identified by manufacturer or trade name designation. Substitutions shall be subject to the Architect's approval. Samples of the proposed and substitute materials may be required for inspection prior to approval. Costs, if any, for evaluation of substitutions shall be the Contractor's responsibility. The decision of the Architect shall be final. Where the substitution will affect other trades, coordinate all changes with those trades concerned and pay any additional costs incurred by them as a result of this substitution. Approval of substitutions shall not relieve the Contractor from providing an operational system in accordance with all applicable codes and ordinances.

13. STORAGE OF EQUIPMENT for the job is the responsibility of the Electrical Contractor and shall be scheduled for delivery to the site as the equipment is required. Damage to the equipment delivered to the site or in transport to the job shall be the responsibility of the Electrical Contractor.

14. USE STEEL OUTLET BOXES only.

15. SWITCHES AND RECEPTACLES shall be 20 amp.

16. ALL POWER SYSTEM CONDUCTORS shall be copper with type THHN/THWN insulation, INSTALLED IN ALL RACEWAYS.

17. PROVIDE NEAT AND ACCURATE FIELD RECORD DRAWINGS to Owner upon completion of work.

18. GUARANTEES: All equipment and labor shall be guaranteed and warranted free of defects, unless otherwise stated to be more restrictive, for a period of one year from the date of final acceptance by the Owner. A written warranty shall be presented to the Architect at the time of completion prior to final acceptance. Equipment deemed to be damaged, broken or failed shall be repaired or replaced at no additional cost to the Owner.

19. THE FOLLOWING RACEWAYS WILL BE ACCEPTABLE FOR USE ON THIS PROJECT.
   a. PVC (40 & 80).
   b. GALVAIZED RIGID STEEL (GRS).
   c. ELECTRIC METALIC CONDUIT (EMT).
   d. FLEXIBLE STEEL CONDUIT. (WHERE CONCEALED IN BUILDING CONSTRUCTION)
   e. SEAL-TIGHT FLEX CONDUIT.

SEE NOTE: 100A,120/208V,1Ø,4W MCB; 30 FULL SIZE PLUG-IN CB SPACES; NQOD PANEL & BRANCH CB'S; W/ 50AMP MAIN BREAKER

(N) PANEL **BR**

SURFACE MOUNT, NEMA 1; LOCATION: STORAGE ROOM; WITH EQUIP'T GND BUS

SEE NOTE

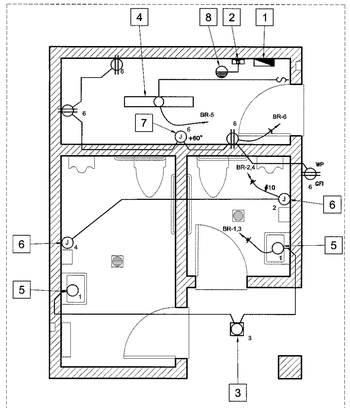
	CKT #	DESCRIPTION	AMP CB / # POLE	WIRE SIZE	PHASE A VA	PHASE B VA	WIRE SIZE	AMP CB / # POLE	DESCRIPTION	CKT #
1,2	1	RESTROOM INTERIOR LIGHTING	20/1	12	100 2000		10	30/1	HAND DRYER	2
1,2	3	RESTROOM EXTERIOR LIGHTING				100 2000	10	30/1	HAND DRYER	4
1	5	RESTROOM INTERIOR LIGHTING			100 900		12	20/1	STORAGE RECEPTACLES	6
	7	SPARE				100	12	20/1	TIMECLOCK CONTROL	8
	9								SPACE	10
	11									12
	13									14
	15									16
	17									18
		CONNECTED LOAD (VA) =			3100	2200				
		25% OF CONTINUOUS LOAD =			50	25				
		TOTAL (VA) =			3150	2225				
		TOTAL ÷ 120 VOLT =			26 A	19 A				

PANEL SCHEDULE NOTES

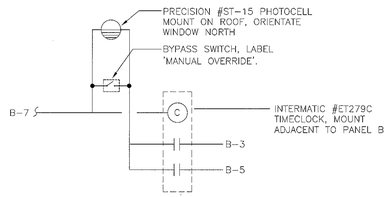
1. LONG CONTINUOUS LOAD (LCL). ADDITIONAL 25% ADDED AT BOTTOM OF PANEL.
2. THROUGH EXTERIOR LIGHTING CONTROLS. SEE CONTROL DIAGRAM.

ELECTRICAL PLAN KEYNOTES

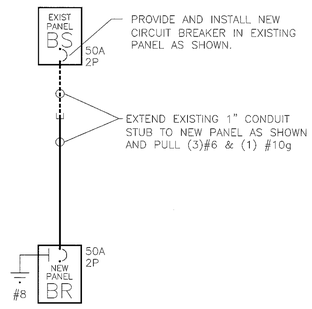
1. Panel BR
2. Timeclock cabinet, See detail X/XX
3. Exterior surface mounted HPS fixture, Failsafe # HSS-505-120 or equal
4. Surface mounted fluorescent fixture, Lithonia #LB-232-120-GEB
5. Surface mounted wall bracket fixture, Failsafe #FWW-232-120-EB Mount at +84" a.f.f.
6. Junction box for connection to electric hand dryer, verify mounting height.
7. Provide 120V connection to plumbing equipment LV transformer
8. Provide photocell on roof



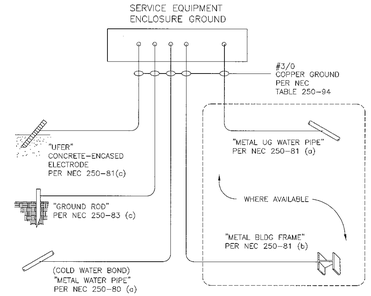
ELECTRICAL PLAN
SCALE : 1:50



31 LIGHTING CONTROL DIAGRAM
NTS



21 SINGLE LINE DIAGRAM
NTS



11 GROUND/BOND DETAIL
NTS

LICENSED ARCHITECT DOUGLAS FRASER No. C9787 Ren. 12-31-10 STATE OF CALIFORNIA

city of san luis OBISPO

REVISIONS:
Drawn By & Date
Record Drawing
Drawn By & Date

Metric Scale: H: SCALE V: SCALE

PROJECT TITLE: NEW RESTROOM FOR THROOP PARK

SHEET TITLE: ELECTRICAL PLAN, PANEL SCHEDULE, DETAILS

DESIGNED BY: BDF
DRAWN BY: JCP
CHECKED BY:
APPROVED BY:
DATE:
CITY SPECIFICATION NO. SPEC. NO. 99828
SHEET NO. E-1

GENERAL NOTES

1. CODE COMPLIANCE: All work shall conform to and be performed in accordance with codes, standards, and ordinances as set forth by the authorities having jurisdiction and their latest adopted editions (in effect at time of building permit application) of the following publications:

   (a) California Code of Regulations Title 24; includes 1995 California Electrical Code, Uniform Fire Code, Uniform Building Code, etc. with California and other local amendments as applicable.
   (b) Americans with Disabilities Act (ADA)

2. SAFETY: The Electrical Contractor is responsible to maintain all equipment in a safe and responsible manner. Keep dead front equipment in place while equipment is energized. Conduct all construction operations in a safe manner for employees as well as other workpersons or anyone visiting the job site. Provide barriers, flags, tape, etc. as required for safety. The Contractor shall hold all parties harmless of negligent safety practices which may cause injury to others on or near the job site.

3. FIRE RATED ASSEMBLIES shall maintain ratings as specified in 1995 California Building Code chapter 7. General Contractor shall provide and install physical enclosure around fixtures, panels, etc. as required. All assemblies to be penetrated shall be installed with applicable through-penetration firestop system as determined by UL classification. Before construction, verify and comply with requirements of local authority having jurisdiction.

4. MOUNTING HEIGHTS in inches to centerline above finish floor shall be as follows unless otherwise noted:
   +16" AFF: receptacles, telephone, TV & data outlets.
   +44" AFF: light switches.
   +48" AFF: fire alarm manual pull stations, T-stats.
   The lower of +80" AFF or 6" below ceiling: fire alarm visuals.

   Before rough-in, verify all mounting heights and exact locations for all equipment electrical connections, stub-ups, receptacles, outlets, etc. with Architect or Owner. Place devices located above counters, shelving, etc. and in bathrooms so as not to conflict with edges of wainscoting, counter splash, shelving, etc. Architectural sheets shall govern.

5. LABEL panels, cabinets, backboards, main devices, safety switches, contactors and other specifically designated equipment shown on plans. Use engraved laminated plastic nameplates attached by screws or rivets. Neatly and indelibly label conduit destinations on both visible ends of conduit runs where conduits terminate at designated enclosures, structures or equipment (including pull and splice boxes). Correct existing panel directories and field-labeled designations to reflect new conditions.

6. EQUIPMENT GROUNDING CONDUCTORS shall be installed in ALL power system raceways.

7. MINIMUM CONDUIT SIZE shall be 1/2" except use minimum 3/4" for underslab homeruns and below grade outside of building exterior walls. Run exposed conduit square and plumb with building lines.

8. BEFORE CONSTRUCTION, PROVIDE SUBMITTALS of proposed products for Owner review and approval. All equipment and materials shall be new and listed, labeled or certified for its use by a Nationally Recognized Testing Laboratory (NRTL) as recognized by the US Dept. of Labor, Occupational Safety and Health Administration. The quality and suitability of all products and materials shall conform to the standards and practices of this trade.

9. THE ELECTRICAL PLANS indicate the general layout and arrangement; exact locations shall be determined by the architectural drawings and field conditions. Field verify all conditions and modify as required to satisfy design intent. Maintain all required working clearances.

10. DISCREPANCIES shall be brought immediately to the attention of the Architect for clarification. Any changes shall be approved by the Architect. Prior to rough-in, refer to architectural plans which shall take precedence over electrical plans with respect to locations.

11. PROFESSIONALISM AND APPEARANCE of all installations shall be in accordance with accepted practices of this trade. Installation methods shall conform to manufacturers' specifications. The Contractor shall provide the job with qualified journeymen and helpers in this trade for the duration of the job. It is the Contractor's responsibility to communicate with and keep the job superintendent appraised of changes or clarifications, etc.

12. THE INTENT OF THESE SPECIFICATIONS is to establish a standard of quality for materials and equipment. Therefore, some items are identified by manufacturer or trade name designation. Substitutions shall be subject to the Architect's approval. Samples of the proposed and substitute materials may be required for inspection prior to approval. Costs, if any, for evaluation of substitutions shall be the Contractor's responsibility. The decision of the Architect shall be final. Where the substitution will affect other trades, coordinate all changes with those trades concerned and pay any additional costs incurred by them as a result of this substitution. Approval of substitutions shall not relieve the Contractor from providing an operational system in accordance with all applicable codes and ordinances.

13. STORAGE OF EQUIPMENT for the job is the responsibility of the Electrical Contractor and shall be scheduled for delivery to the site as the equipment is required. Damage to the equipment delivered to the site or in transport to the job shall be the responsibility of the Electrical Contractor.

14. USE STEEL OUTLET BOXES only.

15. SWITCHES AND RECEPTACLES shall be 20 amp.

16. ALL POWER SYSTEM CONDUCTORS shall be copper with type THHN/THWN insulation, INSTALLED IN ALL RACEWAYS.

17. PROVIDE NEAT AND ACCURATE FIELD RECORD DRAWINGS to Owner upon completion of work.

18. GUARANTEES: All equipment and labor shall be guaranteed and warranted free of defects, unless otherwise stated to be more restrictive, for a period of one year from the date of final acceptance by the Owner. A written warranty shall be presented to the Architect at the time of completion prior to final acceptance. Equipment deemed to be damaged, broken or failed shall be repaired or replaced at no additional cost to the Owner.

19. THE FOLLOWING RACEWAYS WILL BE ACCEPTABLE FOR USE ON THIS PROJECT.
   a. PVC (40 & 80).
   b. GALVANIZED RIGID STEEL (GRS).
   c. ELECTRIC METALIC CONDUIT (EMT).
   d. FLEXIBLE STEEL CONDUIT. (WHERE CONCEALED IN BUILDING CONSTRUCTION)
   e. SEAL-TIGHT FLEX CONDUIT.

SEE NOTE: 100A,120/208V,1Ø,4W MCB; 30 FULL SIZE PLUG-IN CB SPACES; NQOD PANEL & BRANCH CB'S; W/ 50AMP MAIN BREAKER

(N) PANEL **BR**

SURFACE MOUNT, NEMA 1; LOCATION: STORAGE ROOM; WITH EQUIPT GND BUS

CKT #	DESCRIPTION	AMP CB / # POLE	WIRE SIZE	PHASE A VA	PHASE B VA	WIRE SIZE	AMP CB / # POLE	DESCRIPTION	CKT #
1,2	1 RESTROOM INTERIOR LIGHTING	20/1	12	100 / 2000		10	30/1	HAND DRYER	2
1,2	3 RESTROOM EXTERIOR LIGHTING				100 / 200	10	30/1	HAND DRYER	4
1	5 RESTROOM INTERIOR LIGHTING			100 / 900		12	20/1	STORAGE RECEPTACLES	6
	7 SPARE				120	12	20/1	TIMECLOCK CONTROL	8
	9							SPACE	10
	11								12
	13								14
	15								16
	17								18
	CONNECTED LOAD (VA) =			3100	2200				
	25% OF CONTINUOUS LOAD =			50	25				
	TOTAL (VA) =			3150	2225				
	TOTAL = 120 VOLT =			26 A	19 A				

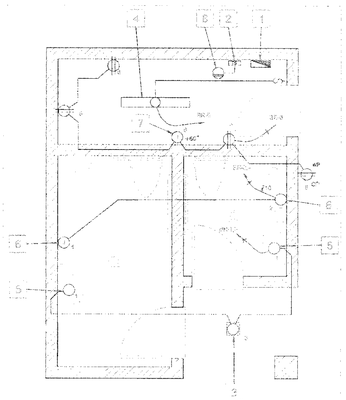
SEE NOTE

PANEL SCHEDULE NOTES

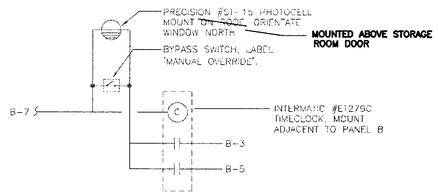
1. LONG CONTINUOUS LOAD (LCL). ADDITIONAL 25% ADDED AT BOTTOM OF PANEL.
2. THROUGH EXTERIOR LIGHTING CONTROLS. SEE CONTROL DIAGRAM.

ELECTRICAL PLAN KEYNOTES

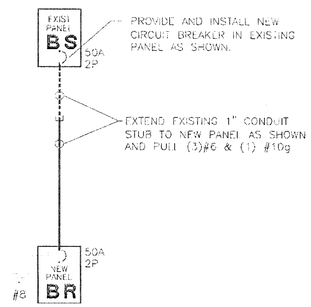
1. Panel BR
2. Timeclock cabinet. See detail X/XX.
3. Exterior surface mounted HPS fixture, Failsafe # HSS-908-120 or equal
4. Surface mounted fluorescent fixture, Lithonia #LB-232-120-GEB
5. Surface mounted wall bracket fixture, Failsafe #FWW-235-120-EB Mount at +84" a.f.f.
6. Junction box for connection to electric hand dryer. Verify mounting height.
7. Provide +208V connection to plumbing equipment. LV transformer.
8. Provide photocell on roof.



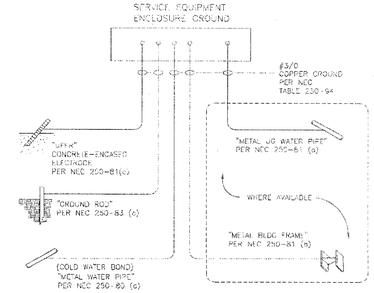
ELECTRICAL PLAN
SCALE: 1:50



31 LIGHTING CONTROL DIAGRAM
NTS



21 SINGLE LINE DIAGRAM
NTS



11 GROUND/BOND DETAIL
NTS

RECORD DRAWING
DATE: 6/7/02 BY: SR

NEW RESTROOM FOR THROOP PARK
ELECTRICAL PLAN, PANEL SCHEDULE, DETAILS

BDF
JCP

SPEC. NO. 99828

E-1R