City of San Leandro
Civic Center, 835 E. 14th Street
San Leandro, California 94577

SAN LEANDRO SENIOR CENTER - PHASE 2
PROJECT NO. 06-210-18-116

ADDENDUM NO. 3

July 16, 2008

TO: All Prospective Bidders

The additions and/or deletions contained in this Addendum shall be made a part of the plans and specifications and contract documents for the above described project, and shall be subject to all applicable requirements there under, as if originally shown and/or specified.

THE CONTRACT DOCUMENTS SHALL BE REVISED AS FOLLOWS:

CLARIFICATION

C-1. In Specification Changes, the term "ADD" and "INSERT" means inserting a new item or sentence to a particular paragraph or section. It should not be interpreted as deleting or replacing an existing item or sentence, even if the numbering used is redundant. The item numbering shall be adjusted to account for the added/ inserted item.

C-2. On Sheet A0.1 Sheet Index: A3.9, S3.2 Not Used

SPECIFICATION CHANGES

S-1. Section 02810 Irrigation System
REVISE Paragraph 2.2 L to read as follows:
L. "Control or Valve Boxes:
1. Provide control valve box and tag per detail on the plan.
2. Provide gate valves and quick coupling valves boxes and tags per details on the plan."

S-2. Section 03300 Cast-in-Place Concrete
REVISE Paragraph 2.2.B to read as follows:
B. "Granular Base: Broken stone or crushed or uncrushed gravel, angular, free of deleterious matter. Gradation conforming to the following: 100% passing the ¾-inch sieve, less than 5% passing the No.4 sieve, and less than 2% passing the No. 200 sieve."

REVISE Paragraph 3.1 Under Slab-on-Grade Construction, item D.3 and D.4 to refer to section "07194".

S-3. Section 07194 Under-Slab Vapor Retarder:
REVISE Paragraph 2.1.A, basis of design is Fortifiber Corporation "Moistop Ultra 15, Underslab Vapor Retarder".

REVISE Paragraph 2.2.A Materials, to read as follows:

a. "Vapor Retarder Sheeting: Polyolefin film, ASTM E 1745, Class C or better, and ASTM E154.
    1. Thickness: 15 mils.
    2. Material Characteristics:
        a. Moisture Vapor Permeance: ASTM E 154, Section 7; 0.02 perms.
        b. Tensile Strength: ASTM E 154, Section 9; 70 lbf/in (min) – MD, CD.
        c. Puncture Resistance: ASTM D 1709, Method B; 3000 grams."

S-4. Section 07271 Sheet Air Barriers:

REVISE Paragraph 1.2 Summary, item A to read as follows:

A. This Section includes vapor-retarding, sheet air barriers "installed with open joint, rain screen construction".

INSERT new Paragraph 1.6 Warranty, to read as follows:

"1.6 WARRANTY

A. Special Warranty: Manufacturer's standard form, without monetary limitation, in which manufacturer agrees to repair or replace components of air barrier system that fail in materials or workmanship within specified warranty period. Failure includes leaks.
    1. Special warranty includes air barrier sheet, installation accessories, fasteners and other components of air barrier system.
    2. Warranty Period: 20 years from date of Substantial Completion."

REVISE Paragraph 2.1 to read "Sheet Air Barrier"

REVISE Paragraph 2.1, items A-B to read as follows:

A. "Composition: Spun bonded, high density polypropylene fabric formulated for application with primer that complies with VOC limits of authorities having jurisdiction.
B. Basis of Design manufacturer/ Product: Subject to compliance with requirements, provide VaproShield "WrapShield", or an approved equal.
    1. Physical and Performance Properties:
        a. Membrane Air Permeance: Not to exceed 0.004 cfm/sq. ft. of surface area at 1.57-lbf/sq. ft. pressure difference; ASTM E 2178.
        b. Low-Temperature Flexibility: AC38, Pass.
        c. -
        d. Water Penetration Resistance: 55 cm; AATCC-127.
        e. Water Absorption: 0.15 percent weight-gain maximum after 48-hour immersion at 70 deg F; ASTM D 570.
        f. Air Leakage: 0.00017 cfm/ft2.
        g. Air Retarder Materials & Systems: ASTM E 1677, Type 1 Air Barrier, Pass.
        h. Tensile Strength: MD-44.8 lbf/inch; CD-25.1 lbf/inch, Pass.
        i. Vapor Permeance: 50 perms; ASTM E 96, Method B.
        j. Flamespread Index: 10, Class A, ASTM E 84.
        k. Smoke Development Index: 35, Class A, ASTM E 84."

INSERT new under Paragraph 2.2 Auxiliary Materials, items B-E to read as follows:

B. "Fasteners: 0.083 inch diameter corrosion resistant stainless steel nails having 1 inch diameter caps.
C. Membrane Flashing:
    1. Flashing Rolls: "VaproFlashing", black for minimum open joint of 6 inches wide, for rain screen applications.

2. Factory Formed Corners: "VaproFlashing" Factory Formed Corners, 18 by 18 inches.

D. Rain Screen Construction Accessories:
   1. "VaproVent" at top and bottom venting protection strips.

E. Tape:
   1. Single Sided Tape: 3 inch wide "VaproTape" (single sided), 20 mil thick, for use to secure "WrapShield" to itself and to substrates.
   2. Double Sided Sealing Tape: 1 inch wide "VaproTape" (double sided), 30 mil thick, for use to seal "WrapShield" to itself and to substrate."

DELETE Paragraph 2.2 Auxiliary Materials, items F. Primer and G. Termination Mastic. Renumber items H. Substrate Patching Membrane and I. Joint Sealants.

REVISE Paragraph 3.1 Installation, item B, D, G, H, to read as follows:

B. "Install air barrier sheets according to air barrier manufacturer's written instructions for open joint rain screen applications.

D. Apply air barrier sheets horizontally over area to receive air barrier sheets. Accurately align sheets and maintain a uniform 2-1/2-inch- minimum lap widths and end laps. Overlap and seal seams and stagger end laps to ensure airtight installation.
   1. Apply sheets in a shingled manner to shed water without interception by any exposed sheet edges.

G. Connect and seal exterior wall air barrier membrane continuously to floor-to floor construction, exterior glazing and window systems, glazed curtain-wall systems, storefront systems, exterior louvers, exterior door framing, and other construction used in exterior wall openings using accessory materials as indicated.

H. Wall Openings: Apply transition strip so that a minimum of 3 inches of coverage is achieved over both substrates. Maintain 3 inches of full contact over firm bearing to perimeter frames with not less than 1 inch of full contact."

S-5. Section 07460 Fiber Cement Wall Panels:
ADD Paragraph 2.1 Wall Panels, item A.5, to read as follows:
   5. "Factory Priming: Manufacturer's standard acrylic primer, applied to all surfaces including edges."

REVISE Paragraph 2.3 Accessories, item E, replace Division 7 "sheet waterproofing" with "Sheet Air Barrier".

S-6. Section 07511 Built-Up Asphalt Roofing:
DELETE Paragraph 2.8 Vapor/Air Retarder, in its entirety.

S-7. Section 07610 Sheet Metal Roofing: REISSUE SECTION, included in attachment.
Approved equal metal roofing products include aluminum panel systems, minimum of 0.040 inches thick, of equal performance to the steel panel system specified.

S-8. Section 08800 Glazing:
REVISE Paragraph 1.2 Summary, item A.7 to read "Safety Film".

REVISE Paragraph 2.6 Miscellaneous Glazing Materials, item H, to read as follows:

H. "Safety Film: Subject to compliance with requirements, basis of design as follows:
   1. 3M "Scotchshield Ultra Safety and Security Window Films, Ultra 400 Series - SCLARL 400."
   2. Or approved equal."

REVISE Paragraph 3.1 Glazing, item E, to read as follows:

E. "Safety Film: Apply safety film to exterior surface of lights according to manufacturer's written installation instructions."

S-9. Section 09385 Dimension Stone Tile:

REVISE Paragraph 1.1 Summary, item 1 to read as follows:

1. This Section includes dimension stone tile and related setting materials applied to exterior wall locations, "including waterproofing membrane for thin-set installations".

INSERT new Paragraph 2.2 Waterproofing Membranes for Thin-Set Installations, to read as follows:

"2.2 Waterproofing Membranes for Thin-Set Installations

A. General: Manufacturer's standard product that complies with ANSI A118.10.
B. Fluid-Applied Product: System consisting of liquid-latex rubber.
   1. Subject to compliance with requirements, provide Laticrete International, Inc. "HydroBan", or a comparable product by an approved equal."

Note: Adjust subsequent numbering to: 2.3 Setting and Grouting Materials, 2.4 Miscellaneous Materials, and 2.5 Fabrication.

INSERT new Paragraph 3.2 Waterproofing Membrane Installation, to read as follows:

"3.2 Waterproofing Membranes Installation:

A. Install waterproofing to comply with ANSI A108.13 and waterproofing manufacturer's written instructions to produce waterproof membrane of uniform thickness bonded securely to substrate.
B. Do not install tile over waterproofing until waterproofing has cured and been tested to determine that it is watertight."

Note: Adjust subsequent numbering to: 3.3 Installation Tolerances, 3.4 Adjusting and Cleaning, and 3.5 Stone Floor Installation Schedule.

S-10. Section 09548 Suspended Metal Panel Ceilings:

REVISE Paragraph 1.2.C to read as follows

C. "Products furnished, but not installed under this Section, include anchors, clips, and other ceiling attachment devices."

INSERT Paragraph 2.2 Aluminum Panel Units, Item H to read as follows:

H. Sound-Absorbent Fabric Layer: Provide fabric layer, sized to fit concealed surface of pan, and consisting of black, nonwoven, nonflammable, sound-absorbent material with surface burning characteristics for flame-spread index of 25 or less and smoke-developed index of 50 or less, as determined by testing per ASTM E 84.
   1. Bond fabric layer to pan in the factory with manufacturer's standard nonflammable adhesive.

2. Sound absorption to be achieved through Helmholtz resonance using an impedance layer of non-woven cellulose fabric applied to the back of the panel so that the complete assembly shall achieve the following octave band sound absorption coefficients with 5 percent open area for "Illusions" panel assemblies and 17 percent open area for "Radians" panel assemblies.
3. The Random Incidence sound Absorption Coefficients according to ASTM C 423 and ASTM E 795 for an E-400 mounting shall be a minimum of:
    a. 125Hz: 1.02
    b. 250Hz: 0.79.
    c. 500Hz: 0.60.
    d. 1000Hz: 0.73.
    e. 2000Hz: 0.71.
    f. 4000Hz: 0.67.
    g. NRC: 0.75."

REVISE Paragraph 3.3 Installation, Item C to read as follows:

C. "Secure bracing wires to ceiling suspension members and to supports with a minimum of four tight turns. Suspend bracing from building's structural members as required. Connect hangers directly either to structures or to inserts, eye screws, or other devices that are secure and appropriate for substrate to which hangers are attached and for type of hanger involved."

S-11. Section 09912 Interior Painting:

ADD Paragraph 1.3.D, items 5 -6 to read as follows:

5. "Allow up to three variations of the selected paint colors (P1 to P6), per Architect's selection.
6. Allow up to two rounds of submissions of each variation."

REVISE Paragraph 1.3.D, item 3 to read as follows:

6. "Label each Sample for location, application area, variation and submission."

INSERT Paragraph 3.3 Application, item A, to read as follows:

A. "Application, General: For Interior Walls, provide the following."
    1. Field Colors: P1 and P2.
    2. Accent Colors: P3, P4 and P5.
    3. Each programmed room shall have one field color and two accent colors.
    4. Hallways and corridors shall have one field color and two accent colors.
    5. Storage and service rooms shall have one field color.
    6. Paint color changes to occur at planar change."

Adjust the subsequent numbering of items A-H (from Addendum 1) to B-I accordingly.

S-12. Section 09966 Graffiti Resistant Coatings:

ADD to Paragraph 2.1 Manufacturer, item A. Basis of Design Product/Manufacturer, "for General Applications": Subject to compliance with requirements,...

INSERT Paragraph 2.1 Manufacturer, item B, to read as follows:

B. "Basis of Design Product/ Manufacturer, for Fiber Cement Panel Application: Subject to compliance with requirements, provide the following:
    1. Genesis Coatings, "GCP 1000."
    2. Or approved equal, as recommended by fiber cement panel manufacturer."

INSERT Paragraph 2.2.A, item 3, to read as follows:

3. "Provide products that do not alter physical characteristics of substrates, that comply with manufacturer's warranty requirements, and are approved by manufacturer for designated substrate."

ADD to Paragraph 2.4 Light Industrial Anti Graffiti Coatings "for General Applications".

ADD to Paragraph 2.4.A Anti Graffiti Coatings "for General Applications" shall…

INSERT new Paragraph 2.5, to read as follows:

"2.5 Multi-Purpose Coating for Fiber Cement Panels

A. Multi-Purpose Coating: Permanent, two-part, water based, zero VOC aliphatic polyurethane.
   1. Salt Spray, minimum acceptable of 500 hours: ASTM B117 and ASTM D714.
   2. Hardness: ASTM 3363 – H to 2H.
   3. Flexibility: ASTM D 4195, Pass.
   4. Tensile Strength and Elongation: ASTM D 412.
   5. Elongation: ASTM D 522 - >30 percent.
   6. Abrasion Test: ASTM D 4060 (taber) <40mg.
   7. Impact Resistance: ASTM D 2794, Direct/Reverse - >160 in/lbs.
   8. Solvent Resistance: ASTM D 4752 – No mar 300 MEK double rubs.
   9. Surface Flammability: ASTM E 162-02e – 1.47 Average Radiant Panel Index.
   10. Water Vapor Transmission: ASTM E 96-93 – grains/hr-sq.ft. – 0.028; permeability = 0.076.
   11. Water clear, non-yellowing, free of waxes and urethanes.
   12. Non-toxic, non-flammable, bio degradable, with a PH 7 – 85.
   13. Shall allow moisture vapor transmission.

B. Undercoating: Manufacturers standard undercoating.

C. Top Coat: GSP-1000; aliphatic polyurethane top coat.
   1. Finish: Satin.
   2. Color: Clear.

D. Graffiti Remover: Manufacturer's standard; non-caustic, biodegradable and recyclable, allowing graffiti removal without the use of blasting equipment, hot water, or high-pressure wash equipment."

INSERT Paragraph 3.3 Application, new item D, to read as follows:

D. "Exterior Walls: Apply graffiti coating to exterior wall finishes, including but not limited to stucco, slate tiles, fiber cement paneling, precast concrete fence, and metal siding up to 9 feet high, or up to closest logical transitions such as control joints and reveal joints, as determined by Architect."

DRAWING CHANGES

Note:
See attached sketch drawings as noted.
Use the scale indicated in the title block of the addendum sketch for the scale of the drawing.

D-1. Sheet A1.1 Site Development Plan:

REISSUE A1.1 to indicate LEED boundary and Low Emission Preferred Vehicle parking designation.

D-2. Sheet C5.0 Grading Plan:
Sketch AD3-9/C5.0-02: REVISE note for Asphalt Concrete.

D-3. Sheet C5.0 and C5.2 Grading Plan:
Sketch AD3-1/C5.0-01 and AD3-2/C5.2-01: REVISE bio-retention basin overflow drain elevation.

D-4. Sheet C6.0 and C6.2 Utility Plan:
Sketch AD3-3/C6.0-02 and AD3-4/C6.2-01: REVISE bio-retention basin overflow drain elevation.

D-5. Sheet C8.0 Details:
Sketch AD3-7/C8.0-03 and AD3-8/C8.0-04: REVISE notes on drain rock and perforated PVC pipe as indicated on drawings.

D-6. Sheet C9.0 Details:
Sketch AD3-10/C9.0-01: REVISE City Standard detail 100 - Curb and Gutter Detail.

D-7. Sheet L0.1. Notes & Legend:
Sketch AD3/L0.1-01: In the Layout Legend, REVISE Expansion Joint note to read as follows: EJ: Expansion Joint – Per City Standard Detail #100 shown on Sheet C9.0. Locate as shown on Layout Plan Sheet L1.1, at all joints between paving and walls, and all changes in the paving materials.

D-8. Sheet L1.1. Layout Plan:
Sketch AD3/L1.1-01: ADD expansion joint at the longer arc at the entry plaza as indicated.

D-9. Sheet A2.2A Partial Composite Clerestory Plan:
Sketch AD3-1/A2.2A-01: ADD key note 12 "Exterior Roof Ladder, see A8.14" and revise callout.

D-10. Sheet A2.3A Partial Composite Clerestory Plan:
Sketch AD3-1/A2.3A-01: ADD key note 16 "Exterior Roof Ladder, see A8.14" and revise callout.

D-11. Sheet A2.8 Window Schedule:
ADD (3) Manual Shades (MS) for window 11, 15 and 19. Shade box to be wall mounted, flush with ceiling. No sketch issued.

D-12. Sheet A2.9 Window Schedule:
Sketch AD3-1/A2.9-01: ADD detail callout for windows 27A, 27B and 27C.

D-13. Sheet A4.1 Enlarged Floor Plans:
Sketch AD3-2/A4.1-01: REVISE to include casework on west wall as indicated on interior elevation.

D-14. Sheet A4.3 Enlarged Floor Plans:
REVISE Key note 7 to read "Metal Storage Shelving, see Interior Elevations". No sketch issued.

D-15. Sheet A5.1 Interior Elevations:
Sketch AD3-1/A5.1-01: REVISE Casework layout and detail callouts.

D-16. Sheet A5.2 Interior Elevations:
Sketch AD3-A5.2-01: REVISE detail 1A, add (2) Wall Display Casework for LEED Educational Signage as shown on detail 2/G2.5. REVISE detail 2B, casework dimensions.

D-17. Sheet A5.4 Interior Elevations:
REVISE Key note 11 to read "Metal Storage Shelving, see Interior Elevations". No sketch issued.

D-18. Sheet A5.14 Interior Elevations:
REVISE Key note 1 to read "Metal Storage Shelving, see Interior Elevations". No sketch issued.

D-19. Sheet A6.1 Low Roof Reflected Ceiling Plan:
REVISE detail (3) callouts for Access Roof Hatch from 9/A9.5 to 7/A8.12. No sketch issued.

D-20. Sheet A8.0 Exterior Wall Details & Exterior Wall Types:
Sketch AD3-A8.0-01: ADD Underlayment Notes for the various exterior finishes.

D-21. Sheet A8.1 Exterior Details:
ADD to note Ventilation/ Insect Screen "Typical, at top of open cavity application". No sketch issued.

D-22. Sheet A8.9 Exterior and Roof Details:
Sketch AD3-6/A8.9-01: ADD 1/8" thick aluminum angle, typical at wall base.

D-23. Sheet A8.10 Exterior and Roof Details:
Sketch AD3-5/A8.10-01: REVISE detail 5, Indicate box beam at parapet support.

D-24. Sheet A8.10 Exterior and Roof Details:
Sketch AD3-6/A8.10-01: ADD new detail 6, Metal Stud Wall at Low Flutes.

D-25. Sheet A8.12 Exterior and Roof Details:
Sketch AD3-1A/A8.12-01: REVISE detail 1A, Fall Protection Roof Anchor.

D-26. Sheet A8.12 Exterior and Roof Details:
Sketch AD3-3/A8.12-01: REVISE detail 3, Duct Support Flashing.

D-27. Sheet A8.12 Exterior and Roof Details:
Sketch AD3-7/A8.12-01: REVISE detail 7, Indicate ceiling edge condition.

D-28. Sheet A8.13 Exterior and Roof Details:
Sketch AD3-5/A8.13-01: REVISE detail 5, Add Closure Plate and notes.

D-29. Sheet A8.13 Exterior and Roof Details:
Sketch AD3-6/A8.13-01: REVISE detail 6, Change window frame to have a head receptor and revise detail callouts.

D-30. Sheet A9.11 Interior Casework Details:

Reissue A9.11: ADD new detail 7, Wall Display Casework for LEED Educational Signage. REVISE casework base on details 1, 2, 3, 4 and 6.

D-31. Sheet S0.3 Typical Concrete Details:
REVISE note in detail 1, change "4 inch crushed rock" to "6 inch crushed rock".
No sketch issued.

REVISE note 4 in detail 9, add the following sentence "Fill trench with clayey soils for a distance of 2 feet on each side of footing width; clayey soils to be specified and/ or approved by geotechnical engineer of record."
No sketch issued.

D-32. Sheet S2.2 Flat Low Roof and Mezzanine Framing Plan - Structural:
Sketch AD1-1/S2.2-01: ADD ten (10) parapet support posts HSS 3x3x1/4 along gridline 8 and 7.3 as indicated on sketch.

D-33. Sheet M1.1A 1st Floor Plan – HVAC Plan A:
Sketch AD3-1/M1.1A-01, ADD Exhaust grille in room 119B and associated ductwork as indicated.

D-34. Sheet M1.1A 1st Floor Plan – HVAC Plan A:
Sketch AD3-1/M1.1A-02, ADD Exhaust grille in room 126 and associated ductwork as indicated.

D-35. Sheet M5.2 Schedules:
Sketch AD3-1/M5.2-3, REVISE Electrical data for EF-3 and EF-4.

D-36. Sheets E2.1A and E2.1B Partial First Floor Plan Lighting Plan:
REISSUE E2.1A and E2.1B in their entirety, showing correct lighting layout for 110, 110A, 104A, 104B, 105, 106, 107, 108 and Main Hall Platform. These reissued sheets should replace the sheets included in the BID set that are incorrect due to a printing glitch.

AD3 changes are as follows:

Sheet E2.1A Partial First Floor Lighting Plan:

- CHANGE numbered sheet note for (2) FH1 luminaires on the west wall of Trash Enclosure 133 and Activity Room 110.
- ADD (1) FH1 luminaire on the south wall of Kitchen 119 and relocate (1) luminaire.
- CHANGE numbered sheet note for (4) FH1 luminaires on the south wall of Kitchen 119.

Sheet E2.1A Partial First Floor Lighting Plan:

- CHANGE numbered sheet note for (2) FH1 luminaires on the south wall of Electrical Room 128 and Exercise Room 115.

D-37. Sheet E2.2A Partial High Ceiling Lighting Plan:
Note: This sheet is included in this addendum because it may have been missing from the attachments to Addendum 2. See Addendum 2 for a description of revisions made to this sheet.

D-38. Sheet C6.2 Utility Plan:
ADD the following sheet note:

- Contractor shall install a Christi PTS3060 (w/ extension) sidewalk box for future fiber optic connection. Contractor to intercept and provide conduit sweeps from existing City fiber optic line is installed in a shallow rock-wheel trench adjacent to the face of gutter on East 14th street.

Contractor to coordinate this effort with the City who will arrange for the relocation of the fiber optic cabling to allow cutting of the existing fiber conduit for this purpose.

BIDDER QUESTIONS & SUBSTITUTION REQUEST

Q-1. Duct support details conflict between Architectural 3/A8.12 versus 3/M4.2. Which of these two different details will we be required to use?
Response: Detail 3/A8.12 indicates Duct Support Flashing, refer to Drawing Change D-26. Detail 3/M4.2 indicates Duct Supports.

Q-2. During the Pre-Bid meeting we were told that this project would be under the inspection of an INSPECTOR OF RECORD similar to public school and hospital construction projects. We find the requirements of Section 01400-5, 1.7, A, and B to conflict with this verbal statement. Having the Testing agency paid by the Contractors is usually considered a conflict of interest for the Testing agency. We have not found any Specification Sections where the testing or quality control work is indicated as being the Owner's responsibility. Will the TESTING AGENCY requirements be clarified prior to the bid date?
Response: The Inspector of Record, Testing Agency, and Commissioning Agent will be hired by the City. Contractor shall be responsible for Soil Characterization for Landfill Disposal Testing.

Q-3. Addendum #1 item S-11 requires us to ADD paragraph 1.2.A ITEM "6. Miscellaneous aluminum trim" and to ADD paragraph 2.5. Fabrication, item E. Section 05500 already has a 1.2.A item 6. Should the existing item 6 be REPLACED with the new paragraph? Section 05500 already has a Section paragraph 2.5. "Fabrication, item E". Should we REPLACE the existing paragraph with the new paragraph?
Response: See Clarification 1 of this Addendum.

Q-4. Drawing A5.4 shows wall shelving in Rooms 121 and 126. Drawing A5.14 shows shelving in Rooms 131A and 131B. The depiction of the shelves in room 126 do not appear to match either of the Specified shelving. What is the depth (front to back) of the Shelves wanted in room 126? Please clarify what shelving types are wanted in each of the Rooms. Are the shelves shown intended to be the quality Specified in Section 06202-1, 1.2, A, 2, or are the wall shelves intended to be the quality Specified in Section 10671? Using the words "WALL SHELVES" versus "METAL STORAGE SHELVING" leaves the drawings ambiguous. What type shelves are really wanted in each of these rooms?
Response: The term "Wall Shelves" has been replaced with "Metal Storage Shelving". Refer to Drawing Changes D-14, D-17 and D-18 of this Addendum.

Q-5. Addendum 1 item S-14 requires us to ADD (not add to) paragraph 1.2.A.8: "Flush wood paneling". Section 06402 already has a paragraph 1.2.A.8. Should we REPLACE the existing paragraph with the new paragraph?
Response: See Clarification 1 of this Addendum.

Q-6. Addendum 1 item S-16 (fourth item) requires us to "ADD to paragraph 2.2.A.5:". Our copy of Section 07460 does not include a Section 07460, 2.2, A, 5, thus adding the works ", applied to all surfaces including edges." does not provide any clear direction in what is wanted. We are unclear if we have a faulty or incomplete copy of the project manual (SPECIFICATIONS) or if the Addendum #1 is in error. Will you please issue a full Specification Section 07460 so that we will be clear on the requirements?
Response: See Specification Change S-5 of this Addendum.

Q-7. Addendum 1, item S16 added Section 07460, 2.3.E "Underlayment: Provide breathable membrane underlayment system, as specified in Division 7 Section "Sheet Waterproofing". The Specified product in Sheet Membrane is not breathable. Should the title of the Division 7 Section be "SHEET AIR BARRIERS" versus SHEET WATERPROOFING?
Response: See Specification Change S-4 and S-5 of this Addendum.

Q-8. Addendum 1 item 24 requires insertion of a new Section 08460. 1.4.F. This Section has an item F. Should the existing item F language be deleted? Was it the intent to add the new paragraph to the existing Section 08460, 1.4, F?
Response: See Clarification 1 of this Addendum.

Q-9. 23. Specification Section 10265, 2.3, 1 requires the basis of design to be Arden Architectural Specialties, Inc. "CG-SS". I have attached a copy of this product data to this list of questions. The detail for the CG-SS is not consistent with details 8 or 11 on Sheet A9.4. The Specification (regarding the basis of design) appears to be in error. Will you provide the Manufacture and model number for the corner guards shown in details 8 and 11 of sheet A9.4 of the Contract Drawings?
Response: The CG-SS product is acceptable for application as indicated on11/A9.4, used in typical corner guard application. Detail 8/A9.4 is specific to interior cement board application at gridline E and 2, using 1/8" aluminum, painted to match cement board color.

Q-10. A2.2A – Note 6 points to a ladder symbol. Clarify if ladder is needed here.
Response: See Drawing Change D-9 and D-10 of this Addendum.

Q-11. Section05521 Pipe and Tube Railings, paragraph 2.7.F.2 Interior Railing. Confirm if "Commercial Blast Cleaning" is necessary?
Response: Yes.

Q-12. Can owner identify where anti-graffiti material (09964 section) is supposed to go?
Response: See Specification Change S-12 of this Addendum.

Q-13. American Polymer, the listed manufacturer for the anti-graffiti material, can only be applied by a sole applicator. Will substitutions be considered?
Response: Yes, as long as substitution meet product specification requirements and substitution requirements.

Q-14. The Finish schedule shows 5 interior paint colors. Are these all for interior use and if so, please give some indication as to extent.
Response: See Specification Change S-11 of this Addendum.

Q-15. Is any finish required on the site precast fence?
Response: Yes, see Specification Change S-12 of this Addendum, an anti-graffiti coating is required for the precast fence.

Q-16. Section 07511-4 Built-Up Asphalt Roofing, paragraph 2.8 Vapor/Air Retarder which calls out ASTM D4397 6-mil with perm rating of .13. Neither Johns Manville of GAF carries a vapor retarder matching this ASTM number; nor will either manufacturer include this in their 20 Year full systems guarantee.

a) Please clarify if there is a need for the vapor retarder?

b) If a vapor retarder is required, please specify manufacturer's name and type? Please note, if the vapor retarder brand is other than from the above stated manufacturer's the retarder will be excluded from the full systems guarantee.

Response: Vapor Retarder is not required in Built-Up Roof application. See Specification Change S-6 of this Addendum, reissued section included in attachment.

Q-17. Provide sheet numbers pertaining to exterior slate tile pattern elevations. Indicate which walls receive slate tiles.

Response: See sheets A3.2 , A3.3 and A5.1

Q-18. There are multiple areas that show parapets, walls, and soffits (example- line AA, line 3, line 7) resting on or hanging from the metal decking. Please confirm that metal decking can support walls/ soffits as shown on drawings. (Please review the Roosevelt Community Center project regarding these same issues).

Response: Deck can support exterior partitions, light gage plates may be necessary to span down flutes as determined in structural calculations. See Drawing Change D-24 of this Addendum.

Q-19. Please confirm that exterior/ interior windows and storefronts can withstand vertical loads (compensation channel). If not, will HSS be provided at large openings to support wall above head and lateral loads at sill (example- windows 27A & 27B)?(Please review the Roosevelt Community Center project regarding these same issues).

Response: Box beam can be provided to support header and sill of window opening. Windows 27A, 27B, 27C has been revised to use compensating channel. See Drawing Change D-29.

Q-20. Please confirm additional HSS post will be provided for cantilever parapets (example- line 1 between lines D & F) and windows sills (example- window 27A & 27B). Note that metal decking may need to be cut back so that parapet wall can sit directly on I-beam. (Please review the Roosevelt Community Center project regarding these same issues).

Response: For parapets resting on metal deck, see Drawing Change D-23, D-24 and D-32of this Addendum. If deck is 'cut back', use ledger angle (per detail 7/S0.6) or deck support plate (per detail 7/S0.8) to support deck.

Q-21. Please confirm whether or not structural I-beams can withstand torsional loads (example- wall or soffit bracing attachment to I-beam if metal decking is not acceptable).

Response: No, for bid purposes – assume that structural I-beams cannot withstand torsional loads. Additional load on structural beams will have to be reviewed in detail during submittal process, after we receive shop drawings and structural calculations.

Q-22. Can a Slip track be used in lieu of the shadowline track or double track (2,3/A9.10)? Slip track is UL -2079 compliant and can be used with elastomeric firestop sealant at rated walls (see www.BradyInnovations.com, System 10- Hilti).

Response: Yes, we take no exception to using a sliptrack and firestop sealant at rated walls, providing that assembly meets UL fire resistive requirements.

Q-23. Please confirm that CRC Bridging 48"o.c. is required at all walls including interior walls with gypsum board on both sides. (Please note that gypsum board/ sheathing is an allowable alternative for lateral bracing)

Response: Yes per section 05400 and 09111, CRC bridging is required for exterior and interior walls for lateral bracing, even with sheathing and gypsum board.

Q-24. Does detail 9/A9.2 occur at locations other than Electrical Room 128? If so, please specify.

Response: Detail occurs in Electrical Room 128 and Solar Panel Room 128A.

Q-25. There are four types of shades specified on sheets A2.7, A2.8, A.2.9 and A12.10 which are MS – Motorized Shade, MBS – Motorized Blackout Shade, BS – Manual Blackout Shade, S – Manual Solar Shade. Several windows are tagged with window covering of all types except the MBS, please verify?
Response: MBS – Motorized Blackout Shade is not used in project.

Q-26. None of the shades specify manufacturer or fabric types/ colors. Please provide for bidding.
Response: See Addendum No.1, Specification Change S-50.

Q-27. Sheet A2.5 door schedule list doors 116F, 116G, 117 and 117E all being type BB doors although door 117E size is 3'-0" x 9'-0", all other doors are 3'-0" x 8'-10", and indicates 2 shades per each door due to panic hardware. Please clarify if this is manual operating shade?
Response: See Addendum No.2, Drawing Change D-10 for revision on door heights. Use Manual operating shade for door application.

Q-28. Building Storage 121: Confirm type of shelving? Keynote #11 on A5.4 calls for wall shelving and keynote #7 on 3/A4.3 calls for open casework? Is shelving part of 06402 Interior Architectural Woodwork or 10671 Metal Storage Shelving?
Response: The term "Wall Shelves" has been replaced with "Metal Storage Shelving". Refer to Drawing Changes D-14, D-17 and D-18 of this Addendum.

Q-29. Computer Room 111: Not clear if casework occurs on at west wall? Elevation detail 2/A5.6 show casework in hidden line with reference detail 3/A9.10, however casework is not drawn on floor plan A2.1B. For bidding purpose, is it acceptable to assume plastic laminate?
Response: Casework shown in detail 2/A5.6 is part of contract. Detail 2/A4.1 has been revised, see Drawing Change D-13 of this Addendum. See 3/A9.10 for section cut reference for material and construction.

Q-30. Storage 115B, 131A, 131B: Confirm type of shelving? Keynote #1 on A5.14 calls for wall shelving with no section detail reference. Is shelving part of 06402 Interior Architectural Woodwork or 10671 Metal Storage Shelving? If part of 06402, is it ok to assume MDF with solid wood edge shelf?
Response: The term "Wall Shelves" has been replaced with "Metal Storage Shelving". Refer to Drawing Changes D-14, D-17 and D-18 of this Addendum.

Q-31. Confirm location for solid surface countertops, Millwork specification 06402 calls for solid surface countertops with integral bowls. Solid surface tops not listed on Finish & Material ScheduleA2.11B.
Response: See casework details on sheets A9.11 reissued in this Addendum (Drawing Change D-30) and sheets A9.12, A9.13, A9.14, A9.15 previously reissued in Addendum No.2.

Q-32. Section 06402: Confirm location where glass is required on cabinet doors as called on specs. Unable to locate cabinet doors with glass on architectural drawings dated 5/19/08 as no detail is available.
Response: Glass is not used on cabinet doors in this project.

Q-33. Section 06402: Confirm location where locks are needed on casework as called on specs. Elevation details do not show location of cabinet door/ drawer locks. Is it correct to assume all cabinet doors/ drawers to be lockable?

Response: All cabinet doors and drawers shall have locking hardware, unless otherwise noted.

Q-34. Detail 4/A9.12: Advise which trade is responsible for the following two items at reception desk: Steel cash drawer by 06402 or others? Movable file cabinet by 06402 or owner furnished?
Response: Steel cash drawer is part of contract, G.C. is responsible for trade division. Movable file cabinet is N.I.C., owner furnished item.

Q-35. Sheet E2.1A: Lighting layout of rooms 110, 110A, 104A, 105, 106, 107, 108 and platform at main hall "B" seems incomplete. Please verify? What is lighting fixture type for room 104B?
Response: Sheet E2.1A and E2.1B has been reissued, see Drawing Change D-36 of this Addendum. There seems to be a printing glitch on these sheets as issued in Bid Set.

Q-36. In (3) locations where there are access ladders to the roof, 9/A9.5 is called out as the ceiling termination detail. This detail does not exist, please advice on how to finish this condition.
Response: See Drawing Change D-19 of this Addendum, revised 7/A8.12 on roof hatch detail.

Q-37. The spec's call out (2) different types of flat metal ceilings, but the drawings do not specify between the 2. Please advice on which detail is which.
Response: The (2) type of flat metal ceilings are identical in type, therefore using the same details. The only differences are on the panel perforation and acoustical backing. See A6.2 for Perforated Wood Veneer Metal Panel Type 1 and Type 2 description. Type 2 is used only between gridline E and F.

Q-38. The curved metal ceilings and one of the flat ceilings call out "with acoustical backing". Please advice on what you would like for acoustical backing.
Response: See A2.11B Finish and Material Schedule: indicating soundtex acoustical backing for ceiling panels M-1 and M-2. The Soundtex product is an accessory to the Ceilings Plus "Radians" and "Illusions" panels used as basis of design. See Specification Change S-10 of this Addendum for Sound –Absorbent Fabric Layer requirements.

Q-39. Section 09548, 1.2, C implies that the roof decks where this finish ceiling material will be installed will have concrete fill. Section 09548, 3.3, C reads in part "Suspend bracing from Building's structural members as required for hangers, without attaching to permanent metal forms, steel deck, or steel deck tabs. Fasten bracing wires to concrete with cast-in-place or post installed anchors." The roof decking above the suspended metal panel ceiling areas are not scheduled to have concrete fill. A supplemental support system to span between structural beams will increase the cost of the project for the Metal Panel Ceiling. There are anchor systems that have been approved by DSA for attachment to metal deck roof structures. Since it will not be possible to furnish cast-in-place inserts will you provide details (acceptable to the Structural engineer) for attachment to the metal decking system? An approved support to the metal deck system would reduce the bid amount for this portion of the work. Will you allow us to use attachment systems that have been previously approved by DSA for support of suspended ceiling systems from metal decking?
Response: See Specification Change S-10 of this Addendum for revisions.

Q-40. Drawings A6.1, A6.2, & A6.3 shows what appear to be four (4) different type of METAL PANEL CEILINGS. They are in the LEGEND as: PERFORATED METAL PANEL, MCNICHOLS ¼" DIA. ½" STR. CTRS., 20% O/A, PAINTED (detail 4/A9.6 calls these metal panels w/ wood veneer, field cut as required. TYP.; PERFORATED WOOD VENEER METAL PANEL TYPE 1 W/ ACOUSTICAL BACKING; PERFORATED WOOD VENEER METAL PANEL TYPE 2; and PERFORATED CURVED METAL CEILING W/ ACOUSTICAL BACKING & BATT INSULATION. These description are not clarified by the Specifications.

These LEGEND descriptions are not clarified by the details at the different locations where the LEGENDS are used. What are the specific make and manufacture name of each of these four ceiling finishes? Will you provide corrected details that show the relationship and type of acoustic insulation where acoustic insulation is required?
Response: See Specification Change S-10 of this Addendum for Sound-Absorbent Fabric Layer requirements and Addendum No. 1 Specification Change S-33 for Product Information.

Q-41. Section 11015 requires us to perform the impossible. Section 11015-2, 1.5, A requires the design in accordance with plans. Section 11015, 1.5, D requires design of anchors to resist a pull out force of 5400 lbs. The detail 1A/A8.12 on the plans cannot achieve the design loads. At a minimum the fall protection anchors would have to be properly anchored to the metal decking, but most likely will require attachment to the structural steel roof beams in order to resist the 5400 lbs of pull-out force. If details which can achieve the design loads are not provided (by Addendum) we will assume a change order will be authorized for the additional cost for any additional structural steel necessary to meet the design load requirements.
Response: See Drawing Change D-25 of this Addendum, detail 1A/A8.12 has been revised to indicate fall protection anchor bolted to steel beam.

Q-42. Drawings A2.7, A2.8, A2.9, and A2.10 NOTE 5 all require Security film to be applied on the exterior face of all exterior first floor glazing. We have not found any specifics regarding the SECURITY film wanted. We noted that Specification 08800-8, 2.6, H does list An Anti-Graffiti film that is indicated by 08800-10, 3.1, E to be applied to the exterior surface of lights. Is this the product you want as listed in NOTE 5 of the window schedule drawings?
Response: See Specification Change S-8 of this Addendum, for Safety Film requirements.

Q-43. Drawing A6.1 refers to detail 9/A9.5 in three different locations (roof hatches). Detail 9/A9.5 does not exist. Will you be providing a detail 9/A9.5? If not we will assume the ceiling grids and tiles will be left open to allow access to the roof hatch and ladders.
Response: See Drawing Change D-19 of this Addendum, revised 7/A8.12 on roof hatch detail.

Q-44. Details1, 2, 3, & 4 on Drawing A8.13 show rigid insulation w/ cover board under the curved metal roofing (and underlayment). These details show the metal roofing clips fastened to the COVER BOARD and do not show the attachment screws engaging the structural metal decking. What is the minimum thickness requirement for the RIGID INSULATION? What is the minimum R-rating for the RIGID INSULATION? What are the material requirements for the "COVER BOARD"? Is the COVER BOARD plywood? Is the COVER BOARD required to be pressure treated? What is the minimum thickness of the cover board?
Response: See Addendum No.2, Drawing Change D-20 on revised detail 8/A8.13. Minimum thickness of rigid insulation is 2-1/2" and deck board is 1/2". Total combined thickness is 3" minimum. Minimum R-value for rigid insulation in metal roofing application is R-19.
The cover board or deck board is specified in section 07610, see Addendum No.2, Specification Change S-6.

Q-45. Detail 8/A8.13 shows "FIXED ROOF PANEL SUPPORTS". Do the @14x2" screws have to penetrate the steel beams (where steel beams occur? Are these supports only required at the middle of the roof panel lengths? Are similar FIXED PANEL SUPPORTS required at or near the detail 1A/A8.12 FALL PROTECTION assemblies? If yes how many are required at each FALL PROTECTION ASSEMBLY?
Response: Fixed Roof Panel Supports only occur at the middle of each roof panel span and fastened to beam flange with #14x2-1/2" screws. Fixed Roof Panel Support is not required at or near Fall Protection assemblies.

Q-46. Substitution Request: Generac Power Systems, Inc.: SD350 Liquid Cooled Diesel Engine Generator Sets
Response: We take no exception to generator substitution request, provided that substitution product complies with all specification requirements.

ATTACHMENTS

A-1. Specifications:
1. Section 07610 Sheet Metal Roofing (Reissue)

A-2. Drawing Changes D-1 through D-38, as referenced accordingly in each item.

END OF ADDENDUM NO. 3

NOTE THAT THE BID OPENING DATE (PER ADDENDUM 1) REMAINS:
TUESDAY, JULY 22, 2008 AT 3:00 P.M.

In the event of a difference with previous addenda or communications, this addendum shall take precedence. It is the responsibility of the General Contractor to notify all sub-contractors from whom he accepts bids of all changes to the drawings and specifications covering this project. Bidders shall acknowledge the receipt of this Addendum on Page 00300-5 of the Bid Form and attach this signed Addendum to the Bidder's Proposal when submitted. Failure to acknowledge this addendum may be grounds for disqualification. If you have any questions, please call the Project Engineer, Mark Goralka at (510) 577-3329.

Sincerely,

Kenneth Joseph, P.E., City Engineer for
Engineering and Transportation Department

ACKNOWLEDGEMENT FOR ADDENDUM NO. 3

I hereby acknowledge receipt of this Addendum for the above noted project.

_____ Date: _____
(Signature)

_____
(Company Name – Please Print)

cc: M. Goralka, G. Faria, K. Joseph, A. Osakwe, Kiosk
COSL Current Plan-holders

SECTION 07610 - SHEET METAL ROOFING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:

1. Standing-seam metal roofing, custom fabricated, on site roll-formed.

1.3 PERFORMANCE REQUIREMENTS

A. General Performance: Sheet metal roofing system including, but not limited to, metal roof panels, cleats, clips, anchors and fasteners, sheet metal flashing integral with sheet metal roofing, fascia panels, trim, underlayment, and accessories shall comply with requirements indicated without failure due to defective manufacture, fabrication, installation, or other defects in construction. Sheet metal roofing shall remain watertight.

B. Thermal Movements: Provide sheet metal roofing that allows for thermal movements from ambient and surface temperature changes. Base calculations on surface temperatures of materials due to both solar heat gain and nighttime-sky heat loss.

1. Temperature Change (Range): 120 deg F, ambient; 180 deg F, material surfaces.

C. Roofing System Design: Provide roofing system that is identical to systems that have been successfully tested by a qualified testing and inspecting agency to resist uplift pressure calculated according to ASCE/SEI 7.

D. Energy Performance: Provide metal roofing with solar reflectance index not less than 78 when calculated according to ASTM E 1980 based on testing identical products by a qualified testing agency.

1.4 SUBMITTALS

A. Product Data: For each type of product indicated.

B. Environmental Information Submittals:

1. Product Test Reports for LEED Credit SS 7.2, Heat Island Effect, Roof: For roof panels, indicating that panels comply with Solar Reflectance Index requirement.
2. Product Data for LEED Credits MR 4.1 and 4.2, Recycled Content: Product data indicating percentages by weight of pre-consumer (post-industrial) and post-consumer recycled content for products having recycled content; include statement indicating costs for each product having recycled content.
3. Certificates for LEED Credits MR 5.1 and 5.2, Local/Regional Materials: Manufacturer's certification indicating point of extraction and final point of assembly for products and materials located within 500 miles of Project site. Include manufacturer's name, address and phone number.
4. Product Data for Low-Emitting Materials, Non-Formaldehyde: Insulation manufacturer's product data for each glass fiber insulation product used indicating that the binder contains no urea formaldehyde.

C. Shop Drawings: Show installation layout of sheet metal roofing, including plans, elevations, expansion joint locations, and keyed details. Distinguish between shop- and field-assembled work.

1. Include details for forming, joining, and securing sheet metal roofing, including pattern of seams, termination points, fixed points, expansion joints, roof penetrations, edge conditions, special conditions, connections to adjoining work, and details of accessory items.

D. Samples: For each exposed product and for each finish specified.

E. Coordination Drawings: Roof plans drawn to scale with coordinated details for penetrations and roof-mounted items.

F. Maintenance data.

G. Designated Design Certifications: Provide certification signed by California licensed structural engineer indicating roofing assembly complies with applicable codes and Contract Documents.

H. Portable Roll-Forming Equipment Certificate: Issued by UL for equipment manufacturer's portable roll-forming equipment capable of producing panels that comply with UL requirements. Show expiration date no earlier than two months after scheduled completion of sheet metal roofing.

1. Submit certificates indicating recertification of equipment whose certification has expired during the construction period.

I. Product Test Reports: Based on evaluation of comprehensive tests performed by a qualified testing agency, for each product. Provide test results for the following criteria:

1. Air Infiltration: ASTM E-283.
2. Water Infiltration: ASTM E-331.
3. Wind Uplift: UL 90.

4. Clip Test: Minimum 100,000 cycle test.
5. Halter/Clip Fastener Pull-Out Tests and Calculations.

J. Warranties: Sample of special warranties.

1.5 QUALITY ASSURANCE

A. Roll-Formed Sheet Metal Roofing Fabricator Qualifications: Fabricator authorized by portable roll-forming equipment manufacturer to fabricate and install sheet metal roofing units required for this Project, and who maintains current UL certification of its portable roll-forming equipment.

B. UL-Certified, Portable Roll-Forming Equipment: UL-certified, portable roll-forming equipment capable of producing roofing panels for sheet metal roofing assemblies that comply with UL 580 for Class 90 wind-uplift resistance. Maintain UL certification of portable roll-forming equipment for duration of sheet metal roofing work.

C. Sheet Metal Roofing Standard: Comply with SMACNA's "Architectural Sheet Metal Manual" unless more stringent requirements are specified or shown on Drawings.

D. Preinstallation Conference: Conduct conference at Project site.

1.6 WARRANTY

A. Special Warranty: Warranty form in which Installer agrees to repair or replace components of sheet metal roofing that fail in materials or workmanship within Two years from date of Substantial Completion.

B. Special Warranty on Finishes: Manufacturer's standard form in which manufacturer agrees to repair finish or replace sheet metal roofing that shows evidence of deterioration of factory-applied finishes within 20 years from date of Substantial Completion.

1. Exposed Panel Finish: Deterioration includes, but is not limited to, the following:

a. Color fading more than 5 Hunter units when tested according to ASTM D 2244.
b. Chalking in excess of a No. 8 rating when tested according to ASTM D 4214.
c. Cracking, checking, peeling, or failure of paint to adhere to bare metal.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Basis-of-Design Product: Subject to compliance with requirements, provide Bemo, USA "Bemo 400 Convex Mechanical Curves, Steel" or a comparable product by an approved

equal ~~continuous curved metal roof product compatible with slopes and profile as shown on drawings~~.

1. Provide metal roofing system with 2-1/2 inch high standing seams, located 16 inches on center.
2. Approved equal metal roofing products include aluminum panel systems, minimum of 0.040 inches thick, of equal performance to the steel panel system specified, provided by by Bemo USA.

2.2 ROOFING SHEET METALS

A. General: Protect mechanical and other finishes on exposed surfaces from damage by applying a strippable, temporary protective film before shipping.

B. Recycled Content of Roofing Products: Provide products with an average recycled content of metal products so postconsumer recycled content plus one-half of preconsumer recycled content is not less than 25 percent, and is the highest available recycled content.

C. Metallic-Coated Steel Sheet: Restricted flatness steel sheet, metallic coated by the hot-dip process and prepainted by the coil-coating process to comply with ASTM A 755/A 755M.

1. Thickness: Nominal 22 gage, unless otherwise indicated.
2. Surface: Smooth, flat.
3. Factory Prime Coating: Where painting after installation is indicated, pretreat with white or light-colored, factory-applied, baked-on epoxy primer coat; minimum dry film thickness of 0.2 mil.
4. Color: As selected by Architect from manufacturer's full range.

2.3 UNDERLAYMENT MATERIALS

~~A. Polyethylene Sheet: 6-mil-thick polyethylene sheet complying with ASTM D 4397.~~

~~B. Felts: ASTM D 226, Type II (No. 30), asphalt-saturated organic felts.~~

C. Self-Adhering, High-Temperature Sheet: Minimum 30 to 40 mils thick, consisting of slip-resisting polyethylene-film top surface laminated to layer of butyl or SBS-modified asphalt adhesive, with release-paper backing; cold applied. Provide primer when recommended by underlayment manufacturer.

1. Thermal Stability: ASTM D 1970; stable after testing at 240 deg F.
2. Low-Temperature Flexibility: ASTM D 1970; passes after testing at minus 20 deg F.

D. Slip Sheet: Building paper, 3-lb/100 sq. ft. minimum, rosin sized, as required by roofing manufacturer.

2.4 MISCELLANEOUS MATERIALS

A. General: Provide materials and types of fasteners, solder, welding rods, protective coatings, separators, sealants, and other miscellaneous items as required for a complete roofing system and as recommended by primary sheet metal manufacturer unless otherwise indicated.

B. Snap-On Seams: Provide snap-on seams integrated with panel-edge profile as recommended by portable roll-forming equipment manufacturer to produce sheet metal roofing assemblies that comply with UL 580 for wind-uplift resistance classification specified in "Quality Assurance" Article.

C. Fasteners: Wood screws, annular-threaded nails, self-tapping screws, self-locking rivets and bolts, and other suitable fasteners designed to withstand design loads.

1. General:

a. Exposed Fasteners: Heads matching color of sheet metal roofing using plastic caps or factory-applied coating.
b. Fasteners for Flashing and Trim: Blind fasteners or self-drilling screws, gasketed, with hex-washer head.
c. Blind Fasteners: High-strength stainless-steel rivets suitable for metal being fastened.

2. Fasteners for Zinc-Coated Steel Sheet: Hot-dip galvanized steel according to ASTM A 153/A 153M, ASTM F 2329, or Series 300 stainless steel.

D. Solder:

1. For Zinc-Coated (Galvanized) Steel: ASTM B 32, Grade Sn50, 50 percent tin and 50 percent lead or Grade Sn60, 60 percent tin and 40 percent lead.

E. Sealant Tape: Pressure-sensitive, 100 percent solids, gray polyisobutylene compound sealant tape with release-paper backing. Provide permanently elastic, nonsag, nontoxic, nonstaining tape 1/2 inch wide and 1/8 inch thick.

F. Elastomeric Sealant: ASTM C 920, elastomeric polymer sealant; low modulus; of type, grade, class, and use classifications required to seal joints in sheet metal roofing and remain watertight.

G. Butyl Sealant: ASTM C 1311, single-component, solvent-release butyl rubber sealant; polyisobutylene plasticized; heavy bodied for hooked-type expansion joints with limited movement.

H. Bituminous Coating: Cold-applied asphalt emulsion complying with ASTM D 1187.

2.5 ROOF INSULATION

A. General: As approved by roof membrane manufacturer for compatibility with the membrane system.

B. Preformed Units: Sizes to fit applications indicated, selected from manufacturer's standard thicknesses, widths, and lengths.

C. Deck Board: Georgia Pacific, "Dens-Deck Prime", ½ inch thick units.

D. Polyisocyanurate Foam Insulation: ASTM C 1289, Type II, Class 1, Grade 2, felt or glass-fiber mat facing on both major surfaces, approved for use by the roofing membrane manufacturer.

E. Basis-of-Design Manufacturer/Product: Subject to compliance with requirements, provide "Carlisle SynTec, Inc., "Carlisle HP-H Polyiso.", or one of the following:

1. Firestone Building Products Co., "Firestone ISO 95+ GL Flat and Tapered."
2. Or approved equal.

F. Board Width: Maximum width as required for application.

G. Board Thickness: At curved roof areas with metal roofing: 2-1/2 inches minimum.

H. Thermal Resistance Values: R-15 minimum, at curved roof areas.

2.6 ACCESSORIES

A. Sheet Metal Accessories: Provide components required for a complete sheet metal roofing assembly including trim, copings, fasciae, corner units, clips, flashings, sealants, gaskets, fillers, metal closures, closure strips, and similar items. Match material and finish of sheet metal roofing unless otherwise indicated.

1. Provide accessories as recommended by portable roll-forming equipment manufacturer to produce sheet metal roofing assemblies that comply with UL 580 for wind-uplift resistance classification specified in "Quality Assurance" Article.
2. Cleats: For mechanically seaming into joints and formed from the following materials:

   a. Metallic-Coated Steel Roofing: 0.025-inch thick stainless steel.

3. Clips: Minimum 0.062-inch- thick, stainless-steel panel clips designed to withstand negative-load requirements.
4. Closure Strips: Closed-cell, expanded, cellular, rubber or crosslinked, polyolefin foam or closed-cell laminated polyethylene; minimum 1-inch- thick, flexible-closure strips; cut or premolded to match sheet metal roofing profile. Provide closure strips where indicated or necessary to ensure weathertight construction.

5. Flashing and Trim: Formed from same material and finish as sheet metal roofing, minimum thickness matching the sheet metal roofing.

B. Roof Curbs: Fabricated from same material and finish as sheet metal roofing, minimum thickness matching the sheet metal roofing; with bottom of skirt profiled to match roof panel profiles; with weatherproof top box and integral full-length cricket. Fabricate curb subframing of nominal 0.062-inch thick, angle-, C-, or Z-shaped galvanized steel or stainless-steel sheet. Fabricate curb and subframing to withstand indicated loads of size and height indicated. Coordinate dimensions with rough-in information or Shop Drawings of equipment to be supported.

C. Fall Protection: Provide Uniline Safety Systems "RoofSafe" fall protection system.

2.7 FABRICATION

A. General: Fabricate roll-formed sheet metal roofing panels with UL-certified, portable roll-forming equipment capable of producing roofing panels for sheet metal roofing assemblies that comply with UL 580 for wind-uplift resistance classification specified in "Quality Assurance" Article. Fabricate roll-formed sheet metal according to equipment manufacturer's written instructions and to comply with details shown.

B. Form exposed sheet metal work to fit substrates without excessive oil canning, buckling, and tool marks; true to line and levels indicated; and with exposed edges folded back to form hems.

1. Form and fabricate sheets, seams, strips, cleats, valleys, ridges, edge treatments, integral flashings, and other components of metal roofing to profiles, patterns, and drainage arrangements shown on Drawings and as required for leakproof construction.

C. Metal Protection: Where dissimilar metals will contact each other, protect against galvanic action by painting contact surfaces with bituminous coating, by applying self-adhering sheet underlayment to each contact surface, or by other permanent separation as recommended by fabricator of sheet metal roofing or manufacturers of the metals in contact.

D. Sheet Metal Accessories: Custom fabricate flashings and trim to comply with recommendations in SMACNA's "Architectural Sheet Metal Manual" that apply to design, dimensions, metal, and other characteristics of item indicated. Obtain field measurements for accurate fit before shop fabrication.

PART 3 - EXECUTION

3.1 EXAMINATION AND PREPARATION

A. Examine solid roof sheathing to verify that sheathing joints are supported by framing or blocking and that tops of fasteners are flush with surface. Proceed with installation upon acceptance of existing conditions.

B. Lay out before installation of sheet metal roofing.

3.2 UNDERLAYMENT INSTALLATION

~~A. Polyethylene Sheet: Install polyethylene sheet on roof sheathing under sheet metal roofing. Use adhesive for anchorage. Apply at locations indicated on Drawings, in shingle fashion to shed water, with lapped and taped joints of not less than 2 inches.~~

~~B. Felt Underlayment: Install felt underlayment on roof sheathing under sheet metal roofing. Use adhesive for temporary anchorage. Apply at locations indicated on Drawings, in shingle fashion to shed water, with lapped joints of not less than 2 inches.~~

C. Self-Adhering Sheet Underlayment: Install self-adhering sheet underlayment, wrinkle free, on roof sheathing under sheet metal roofing. Comply with temperature restrictions of underlayment manufacturer for installation; use primer rather than nails for installing underlayment at low temperatures. Apply over entire roof, in shingle fashion to shed water, with end laps of not less than 6 inches staggered 24 inches between courses. Overlap side edges not less than 3-1/2 inches. Roll laps with roller. Cover underlayment within 14 days.

D. Install flashings to cover underlayment to comply with requirements in Division 7 Section "Sheet Metal Flashing and Trim."

E. Apply slip sheet before installing sheet metal roofing, as required by roofing manufacturer.

3.3 INSTALLATION, GENERAL

A. General: Anchor sheet metal roofing and other components of the Work securely in place, with provisions for thermal and structural movement. Install fasteners, solder, welding rods, protective coatings, separators, sealants, and other miscellaneous items as required for a complete roofing system and as recommended by fabricator for sheet metal roofing.

B. Thermal Movement. Rigidly fasten metal roof panels to structure at only one location for each panel. Allow remainder of panel to move freely for thermal expansion and contraction.

C. Fasteners: Use fasteners of appropriate sizes for adequate penetration of substrate.

D. Metal Protection: Where dissimilar metals will contact each other or corrosive substrates, protect against galvanic action by painting contact surfaces with bituminous coating, by applying self-adhering sheet underlayment to each contact surface, or by other permanent separation as recommended by SMACNA.

E. Conceal fasteners and expansion provisions where possible in exposed work and locate to minimize possibility of leakage. Cover and seal fasteners and anchors as required for a tight installation.

3.4 INSULATION INSTALLATION

A. Apply insulation units to substrates by method indicated, complying with manufacturer's written instructions. If no specific method is indicated, bond units to substrate with adhesive or use mechanical anchorage to provide permanent placement and support of units.

B. Seal joints between foam-plastic insulation units by applying adhesive, mastic, or sealant to edges of each unit to form a tight seal as units are shoved into place. Fill voids in completed installation with adhesive, mastic, or sealant as recommended by insulation manufacturer.

3.5 ON-SITE, ROLL-FORMED SHEET METAL ROOFING INSTALLATION

A. General: Install on-site, roll-formed sheet metal roofing fabricated from UL-certified equipment to comply with equipment manufacturer's written instructions for UL wind-uplift resistance class indicated. Provide sheet metal roofing of full length from eave to ridge unless otherwise restricted by on-site or shipping limitations.

B. Standing-Seam Sheet Metal Roofing: Fasten sheet metal roofing to supports with concealed clips at each standing-seam joint at location, at spacing, and with fasteners recommended by manufacturer of portable roll-forming equipment.

1. Install clips to substrate with self-tapping fasteners.
2. Install pressure plates at locations indicated in equipment manufacturer's written installation instructions.
3. Before panels are joined, apply continuous bead of sealant to top of flange of lower panel.
4. Seamed Joint: Crimp standing seams with manufacturer-approved motorized seamer tool so cleat, sheet metal roofing, and field-applied sealant are completely engaged.
5. Clips shall be designed to allow the roofing materials free movement in either direction parallel to the standing leg of the panel.
6. Clip attachments that cause direct wear on the panel face shall be removed, and the damaged panel and clips replaced and installed properly.

3.6 ACCESSORY INSTALLATION

A. General: Install accessories with positive anchorage to building and weathertight mounting and provide for thermal expansion. Coordinate installation with flashings and other components.

1. Install components required for a complete sheet metal roofing assembly including trim, copings, seam covers, flashings, sealants, gaskets, fillers, metal closures, closure strips, and similar items.
2. Install accessories integral to sheet metal roofing that are specified in Division 7 Section "Sheet Metal Flashing and Trim" to comply with that Section's requirements.

B. Flashing and Trim: Comply with performance requirements, manufacturer's written installation instructions, and SMACNA's "Architectural Sheet Metal Manual." Provide concealed fasteners where possible, and set units true to line and level as indicated. Install work with laps, joints, and seams that will be permanently watertight and weather resistant.

C. Fall Protection: Install fall protection system according to manufacturer's written instructions.

3.7 CLEANING AND PROTECTION

A. Clean exposed metal surfaces of substances that interfere with uniform oxidation and weathering.

B. Clean and neutralize flux materials. Clean off excess solder and sealants.

C. Remove temporary protective coverings and strippable films as sheet metal roofing is installed unless otherwise indicated in manufacturer's written installation instructions.

END OF SECTION 07610

LEGEND:

AD	AREA DRAIN
BB	BUBBLER BOX
BW	BACK OF WALK
CO, ● CO	CLEANOUT
(E), (XX.X)	EXISTING GRADE
FF	FINISHED FLOOR
FG	FINISHED GRADE
FL	FLOW LINE
HP	HIGH POINT
TC	TOP OF CURB
TP	TOP OF PAVEMENT
5 / C7.0	DETAIL BUBBLE
	FLOW LINE & BOTTOM OF SWALE/BASIN
	PROPERTY LINE
	LIMIT OF WORK
	AREA DRAIN
	CURB INLET
	ASPHALT CONCRETE 5/C8.0 A/3
	CONCRETE 4/C8.0
	OVERLAND RELEASE
BR1	BIORETENTION BASIN/ SWALE DESIGNATION

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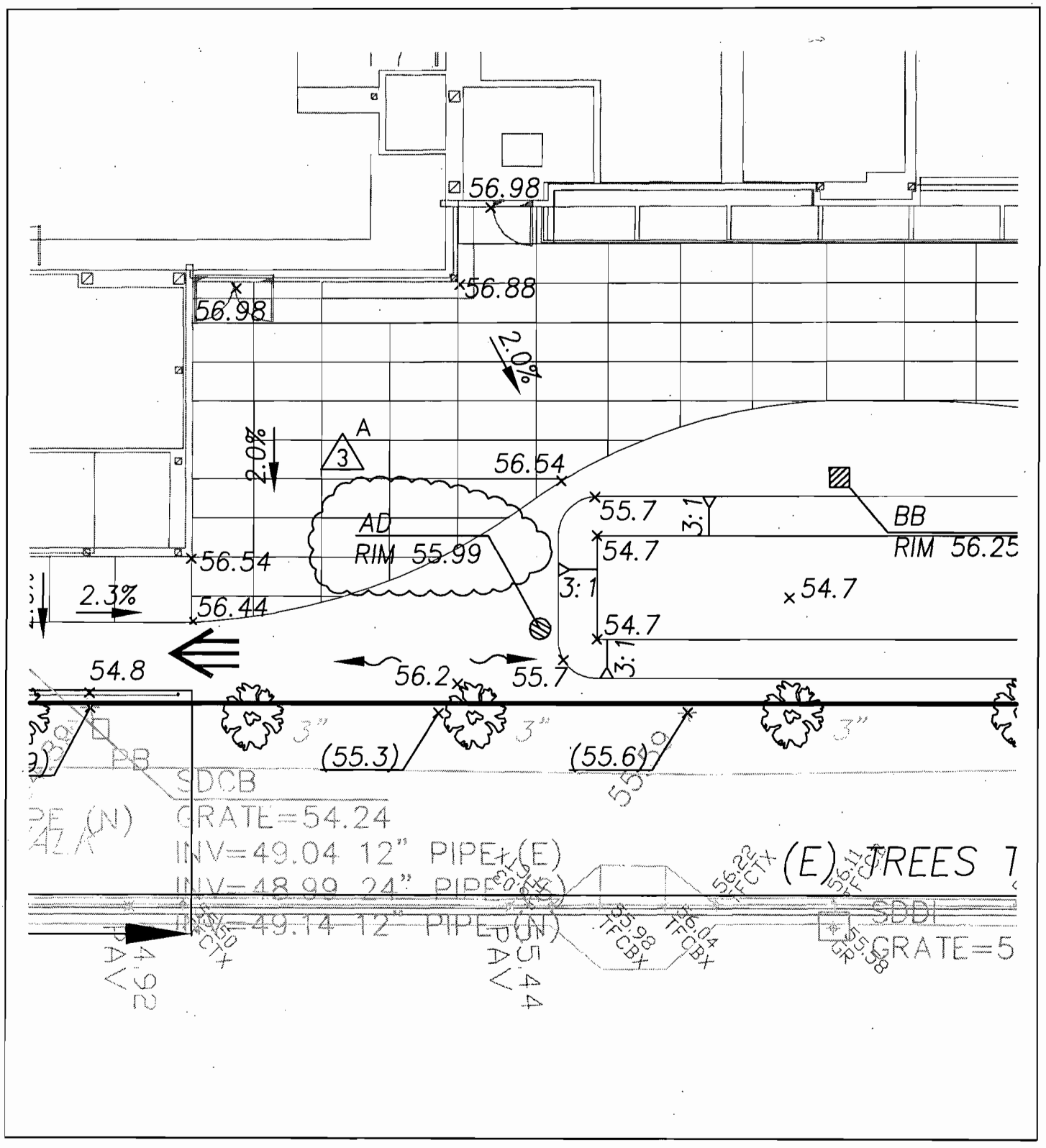
650-871-0709
GROUP 4

CITY OF SAN LEANDRO PHASE II
SENIOR COMMUNITY CENTER DETAILS
SHEET TITLE

SCALE: NTS
JOB #:06-210-18-116

07-15-2008
DATE
DP (BKF)
BY

ADD-3
REVISION
AD3-9/C5.0-02
DRAWING



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GROUP 4

CITY OF SAN LEANDRO — PHASE II
SENIOR COMMUNITY CENTER — GRADING PLAN

SHEET TITLE

SCALE: 1"=10'

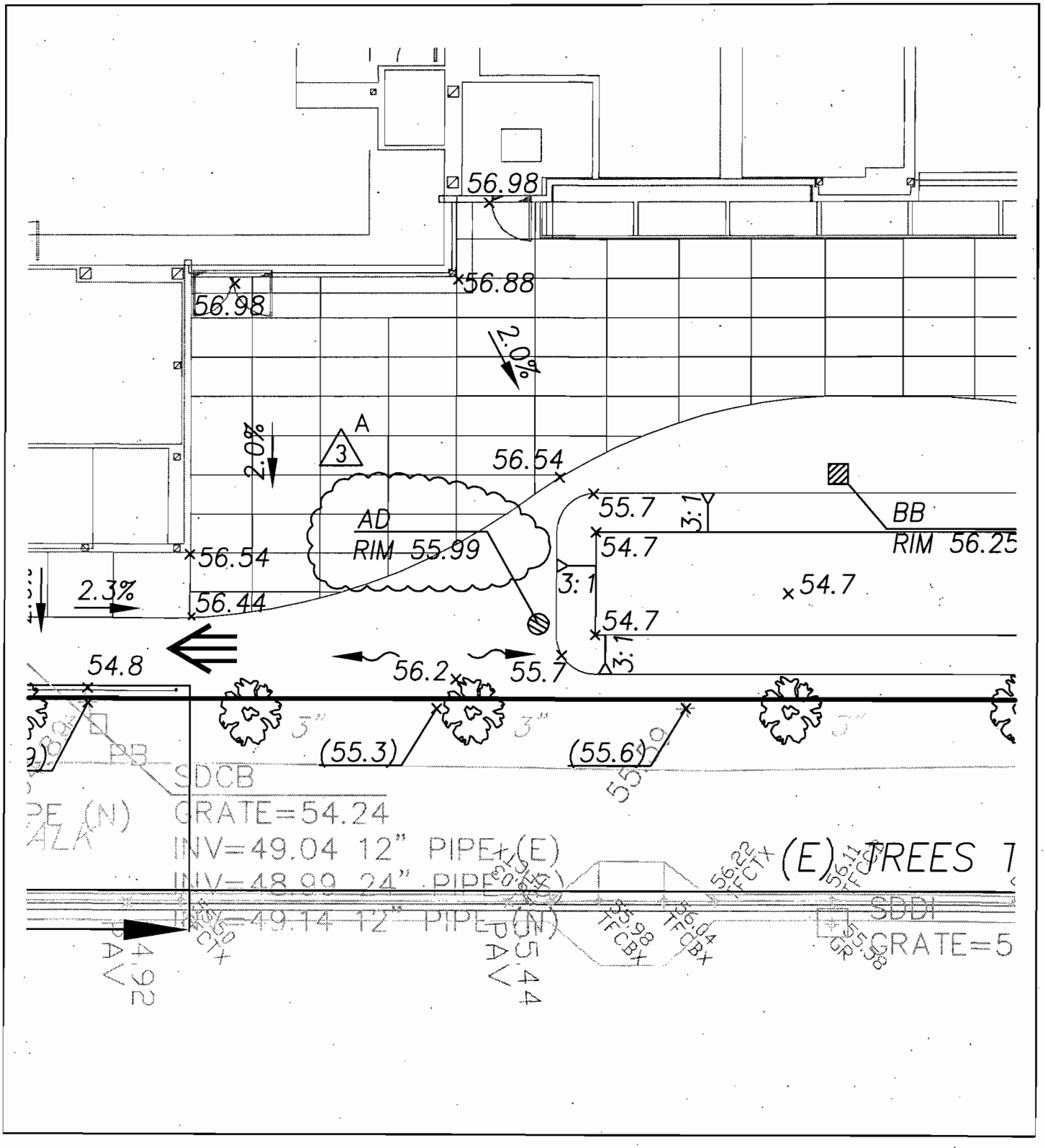
07-11-2008
DATE

ADD-3
REVISION

JOB #:06-210-18-116

DP (BKF)
BY

AD3-1/C5.0-01
DRAWING



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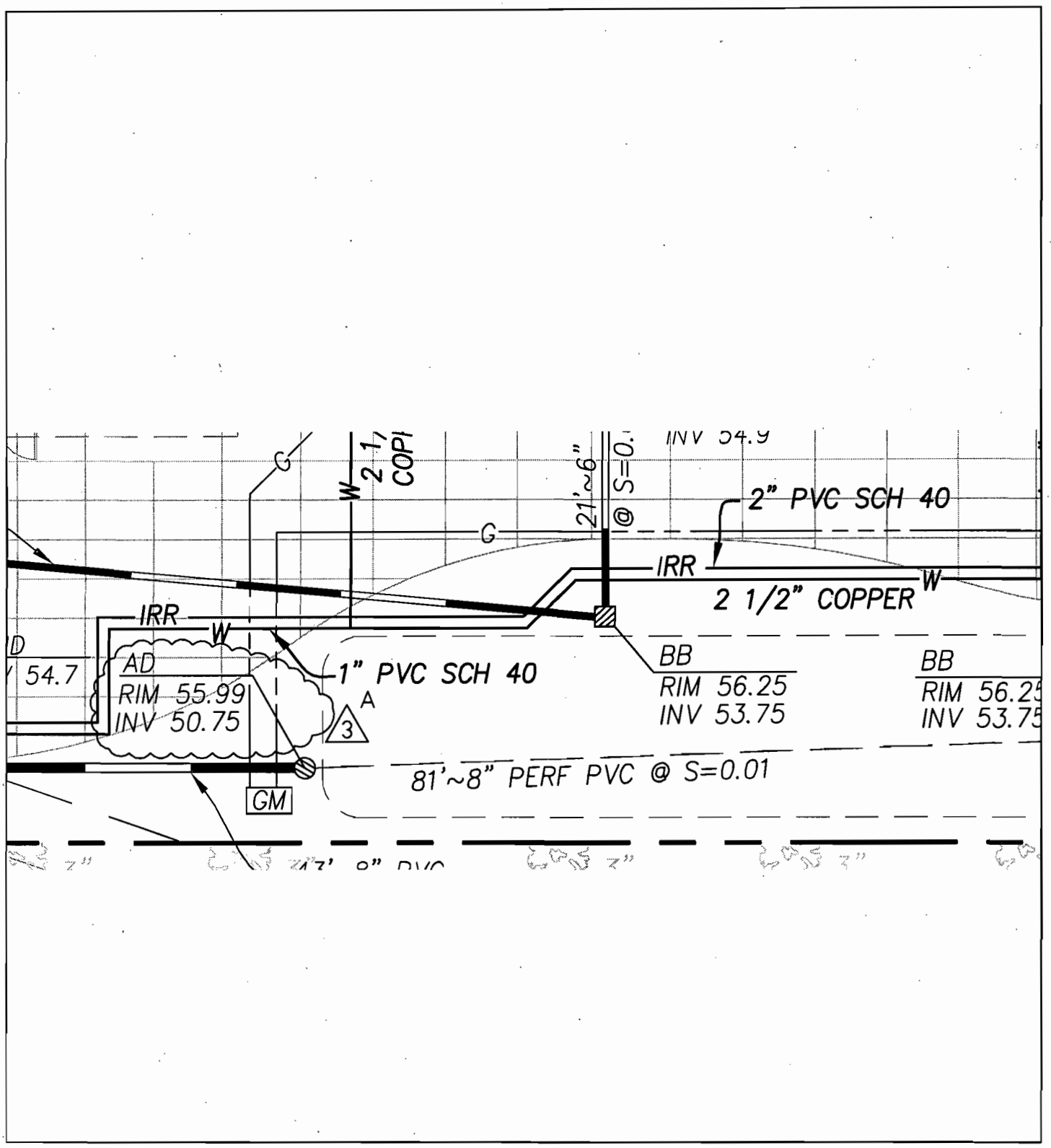
CITY OF SAN LEANDRO
SENIOR COMMUNITY CENTER

PHASE II
GRADING PLAN
SHEET TITLE

SCALE: 1"=10'
JOB #:06-210-18-116

07-11-2008
DATE
DP (BKF)
BY

ADD-3
REVISION
AD3-2/C5.2-01
DRAWING



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GROUP 4

CITY OF SAN LEANDRO — PHASE II
SENIOR COMMUNITY CENTER — UTILITY PLAN

SHEET TITLE

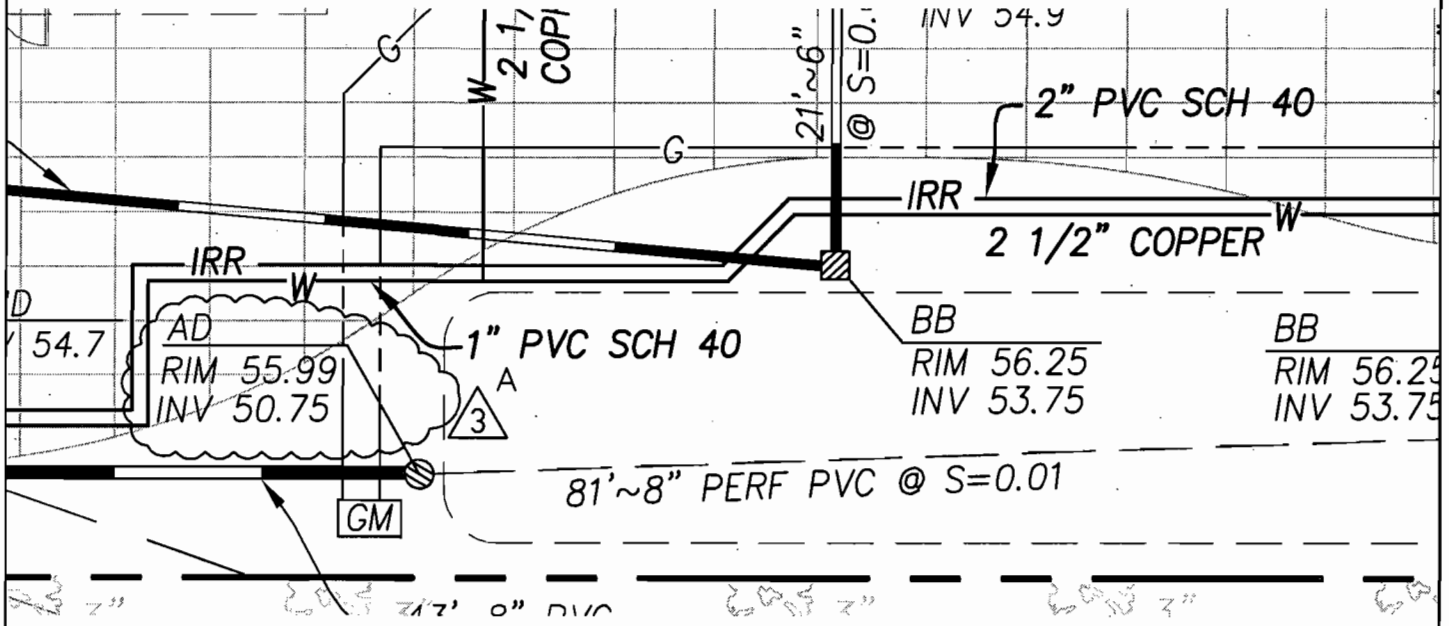
SCALE: 1"=10'
JOB #:06–210–18–116

07–11–2008
DATE

DP (BKF)
BY

ADD–3
REVISION

AD3–3/C6.0–02
DRAWING



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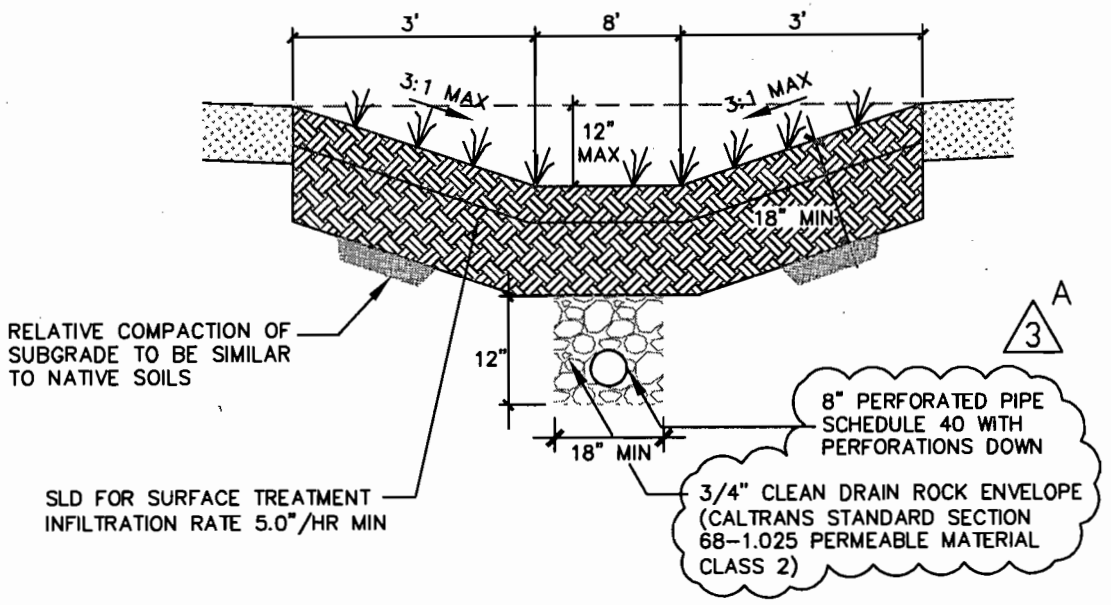
CITY OF SAN LEANDRO
SENIOR COMMUNITY CENTER

PHASE II
UTILITY PLAN
SHEET TITLE

SCALE: NTS
JOB #:06–210–18–116

07–11–2008
DATE
DP (BKF)
BY

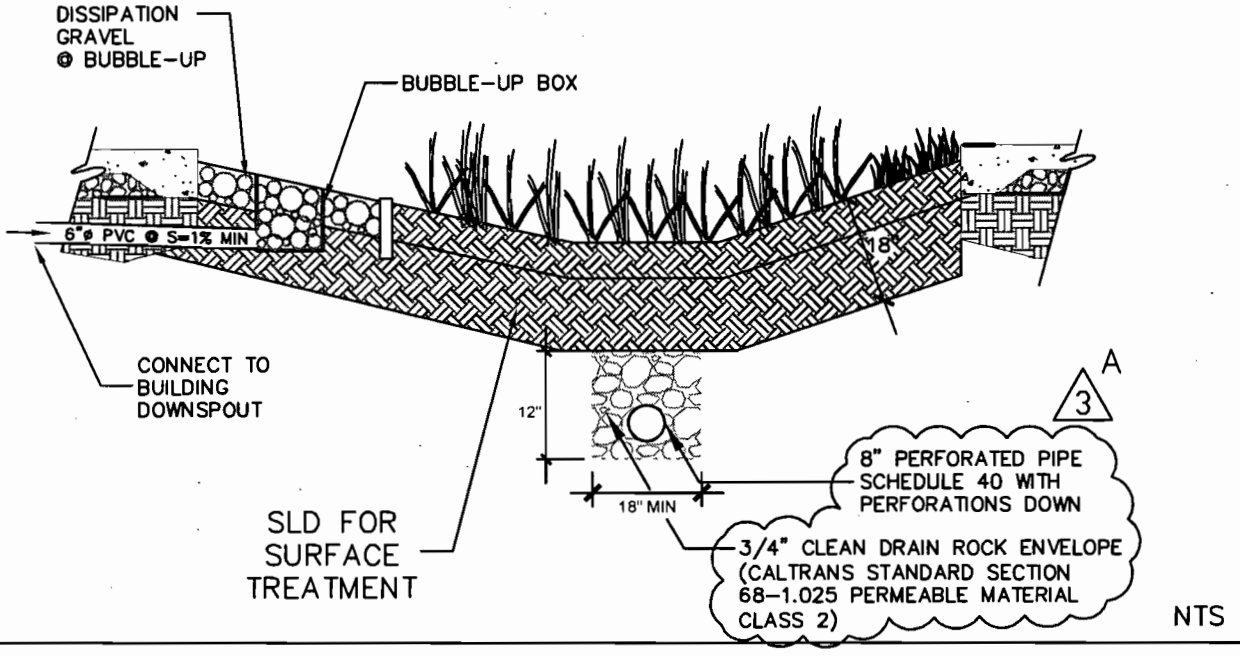
ADD–3
REVISION
AD3–4/C6.2–01
DRAWING



NTS

1

BIORETENTION BASIN



NTS

2

VEGETATED BIO-SWALE @ BLDG

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CITY OF SAN LEANDRO — PHASE II
SENIOR COMMUNITY CENTER — DETAILS
SHEET TITLE

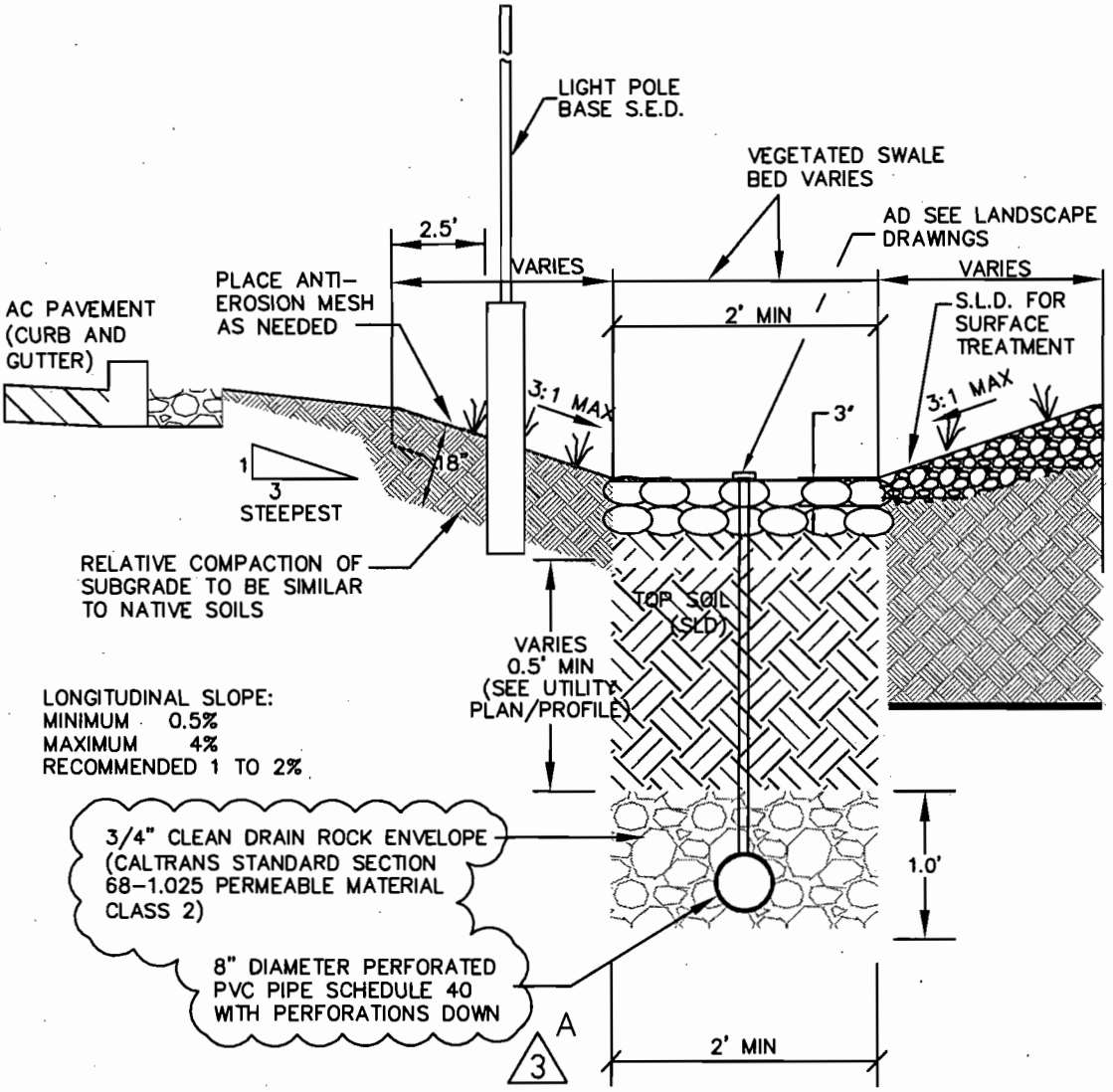
SCALE: NTS
JOB #:06-210-18-116

07-15-2008
DATE

DP (BKF)
BY

ADD-3
REVISION

AD3-7/C8.0-03
DRAWING



NOTE: CONTRACTOR SHALL NOT DAMAGE EXISTING TREE ROOTS WHEN CONSTRUCTING THE BMP AND BIO-SWALES.

NTS

7

COBBLE INFILTRATION SWALE @ CURB INLET DETAIL

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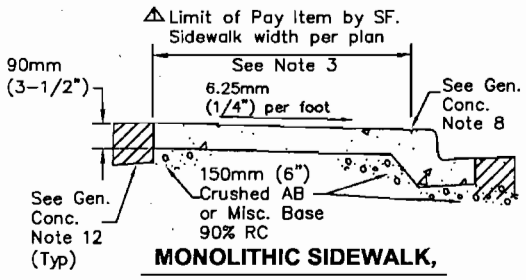
CITY OF SAN LEANDRO PHASE II
SENIOR COMMUNITY CENTER DETAILS
SHEET TITLE

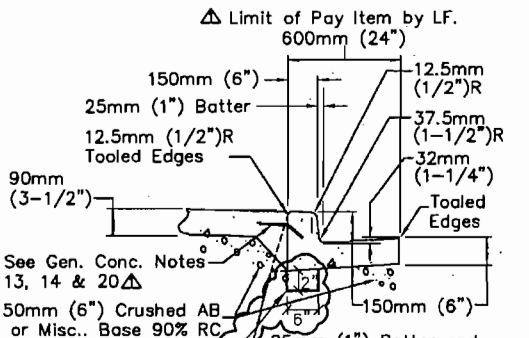
SCALE: NTS
JOB #:06-210-18-116

07-15-2008
DATE
DP (BKF)
BY

ADD-3
REVISION
AD3-8/C8.0-04
DRAWING



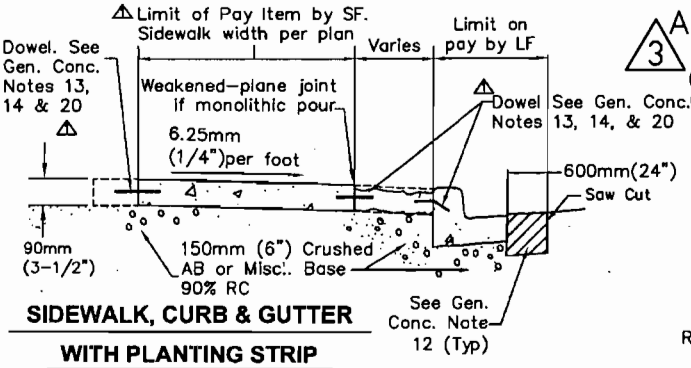
MONOLITHIC SIDEWALK, CURB AND GUTTER



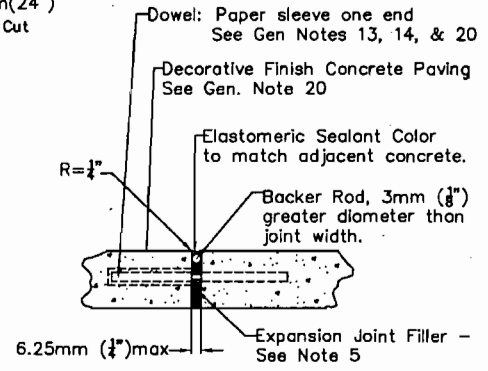
3 A

CURB AND GUTTER DETAIL

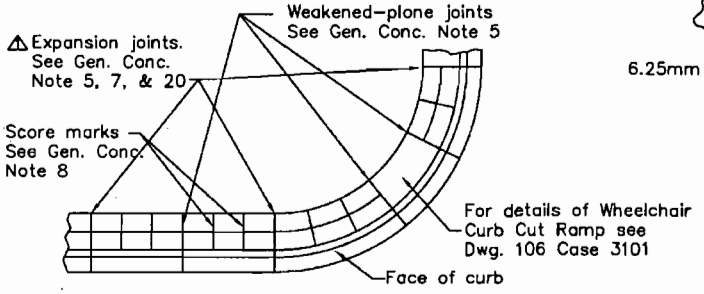
ALL CONCRETE CURBS TO BE EMBEDDED A MINIMUM OF 2" INTO THE UNDERLYING SOIL SUBGRADE.*



SIDEWALK, CURB & GUTTER WITH PLANTING STRIP



DECORATIVE FINISH CONC. ⚠ PAVING EXPANSION JOINT



SIDEWALK AND CURB RETURN

NOTES:

1. All work shall be done in accordance with the Standard Specifications for Public Works Construction, the "GREENBOOK", the most current edition and all supplements thereto, adopted by the Southern California Chapter of the American Public Works Association and the Special Provisions (Technical Specificotions) thereto adopted by the City.
2. General Concrete Notes Dwg. 104 Case 3101 shall apply.
3. Minimum sidewalk width shall be 1.82m (6') for residential, 2.4m (8') for commercial areas unless approved otherwise by City Engineer.

ACAD FILE: C3101D100 Rev1.DWG

CITY OF SAN LEANDRO * STANDARD PLANS

NO.	REVISIONS	DATE	BY
⚠	Added note to "Curb And Gutter Detail". Delete "plane" from expansion joints & add "See notes". Added "Decorative Detail" & "Limits of Pay" to details.	1/17/07	AMS

CONCRETE CURB, GUTTER AND SIDEWALK

APPROVED
Kenneth Joseph, City Engineer R.C.E. No.34870
Expires 9/30/09

DRAWN	CHECKED	DATE	SCALE	SHEET	DWG. NO.	CASE
GF/AMS	KJ/KRC	May 2002	NONE	1 OF 1	100	3101

* PROJECT SPECIFIC MODIFICATION TO CITY STANDARD DETAIL 3 A

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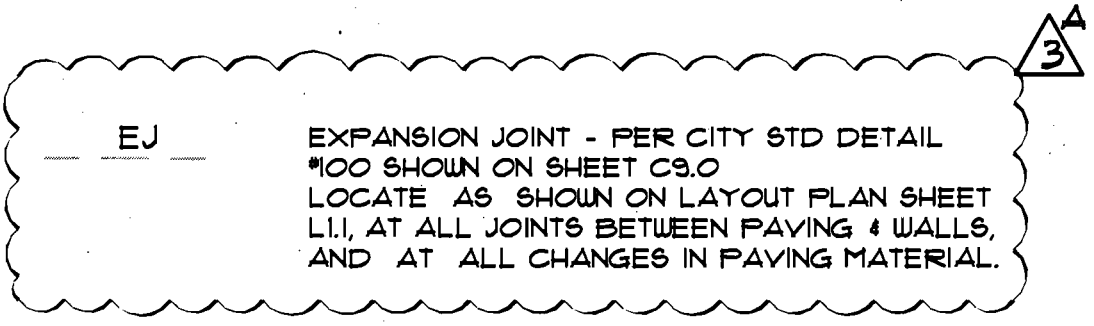
CITY OF SAN LEANDRO
SENIOR COMMUNITY CENTER CITY STANDARD DETAILS
SHEET TITLE

SCALE: NTS
JOB #:06-210-18-116

07-15-2008
DATE
DP (BKF)
BY

ADD-3
REVISION
AD3-10/C9.0-01
DRAWING

LAYOUT LEGEND



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CITY OF SAN LEANDRO
SENIOR COMMUNITY CENTER

SCALE: N.T.S.
JOB #: 06-210-18-116

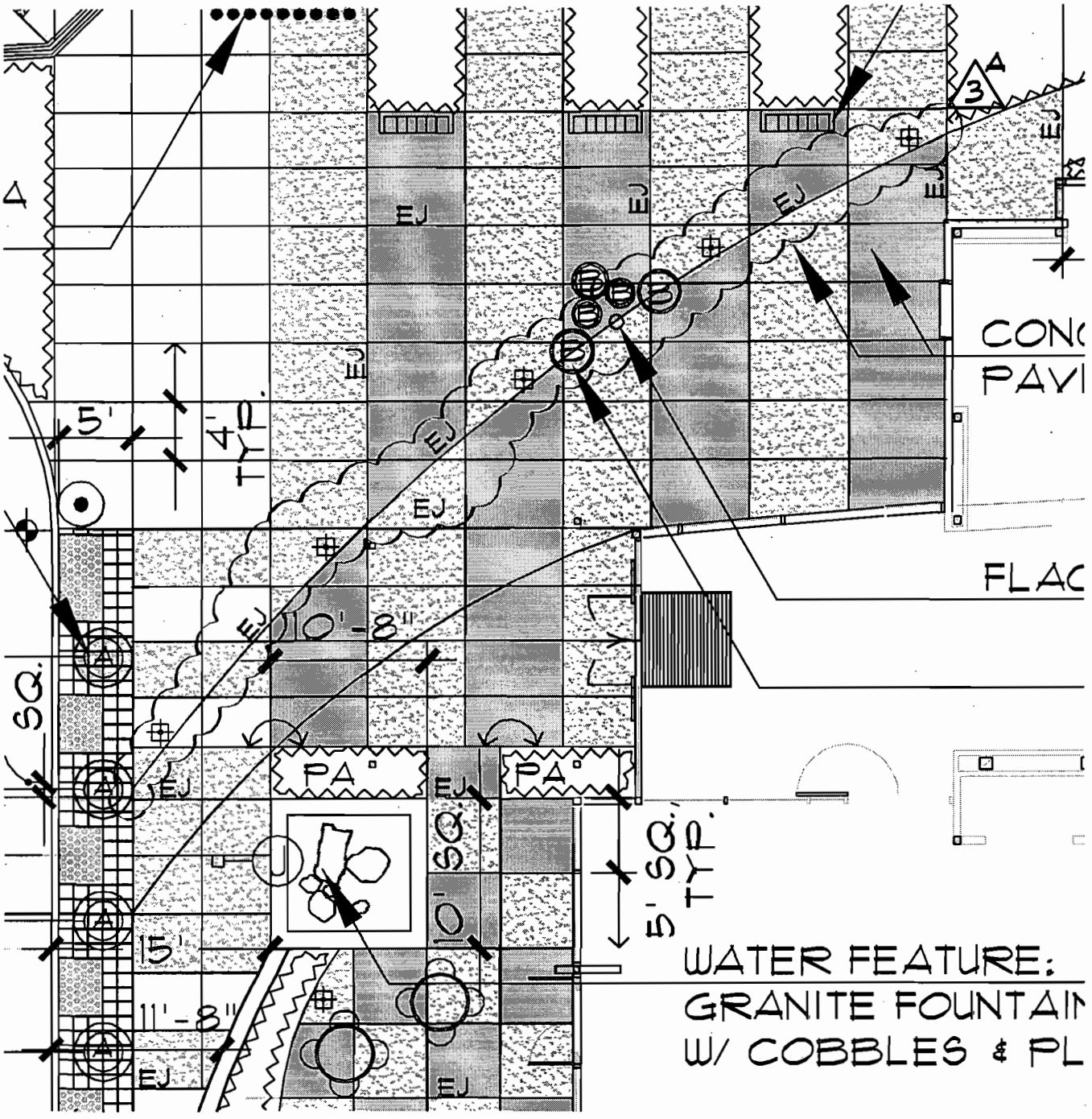
EXPANSION JOINT
L0.1 - NOTES & LEGEND
SHEET TITLE

07-11-2008
DATE

KC
BY

ADDENDUM 3
REVISION

AD3/L0.1-01
DRAWING



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CITY OF SAN LEANDRO
SENIOR COMMUNITY CENTER

SCALE: 1"=10'
JOB #: 06-210-18-116

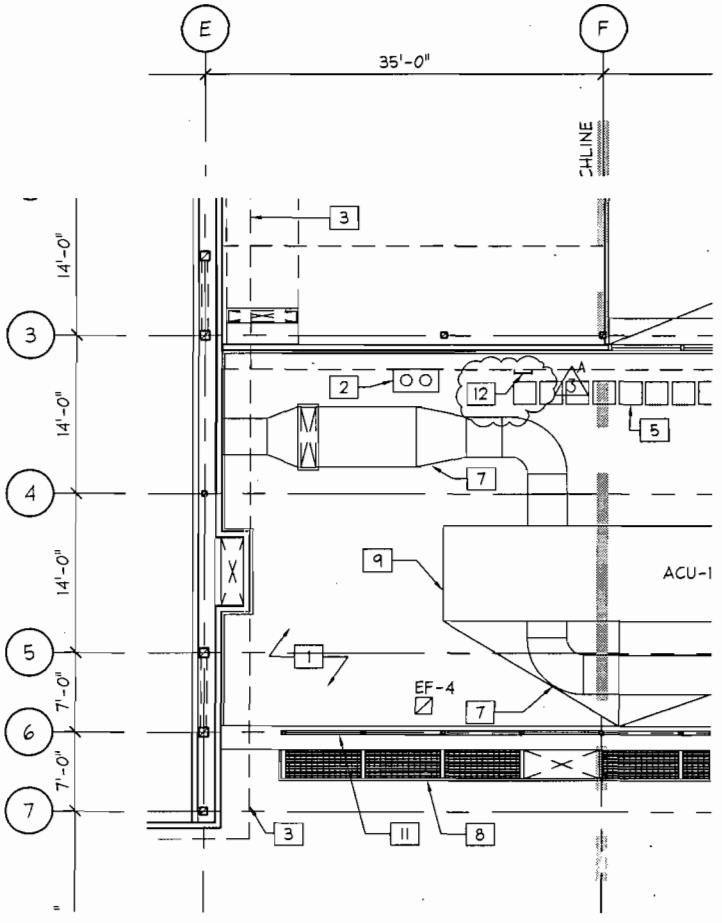
EXPANSION JOINT ADDED
L1.1 - LAYOUT PLAN
SHEET TITLE

07-11-2008
DATE

KC
BY

ADDENDUM 3
REVISION

AD3/L1.1-01
DRAWING



KEY NOTES:

1. BUILT-UP ROOFING
2. ROOF ℄ OVERFLOW DRAIN
3. ROOF OVERHANG ABOVE
4. ROOF ACCESS HATCH ℄ LADDER, SEE 7/A8.12
5. WALKING PAD
6. SOFFIT BELOW
7. MECH DUCT, S.M.D.
8. METAL GRATE TRELLIS, SEE 1/A8.10
9. ACU-1, S.M.D.
10. MECH DUCT ENCLOSURE, SEE 1A/A3.23
11. METAL GRATE MECHANICAL SCREEN, SEE 1/A8.10
12. EXTERIOR ROOF LADDER, SEE A8.14 (3/A)

1 / - PARTIAL COMPOSITE CLERESTORY PLAN

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

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CITY OF SAN LEANDRO
SENIOR COMMUNITY CENTER

SCALE: 1/16" = 1'-0"
JOB #: 06-210-18-116

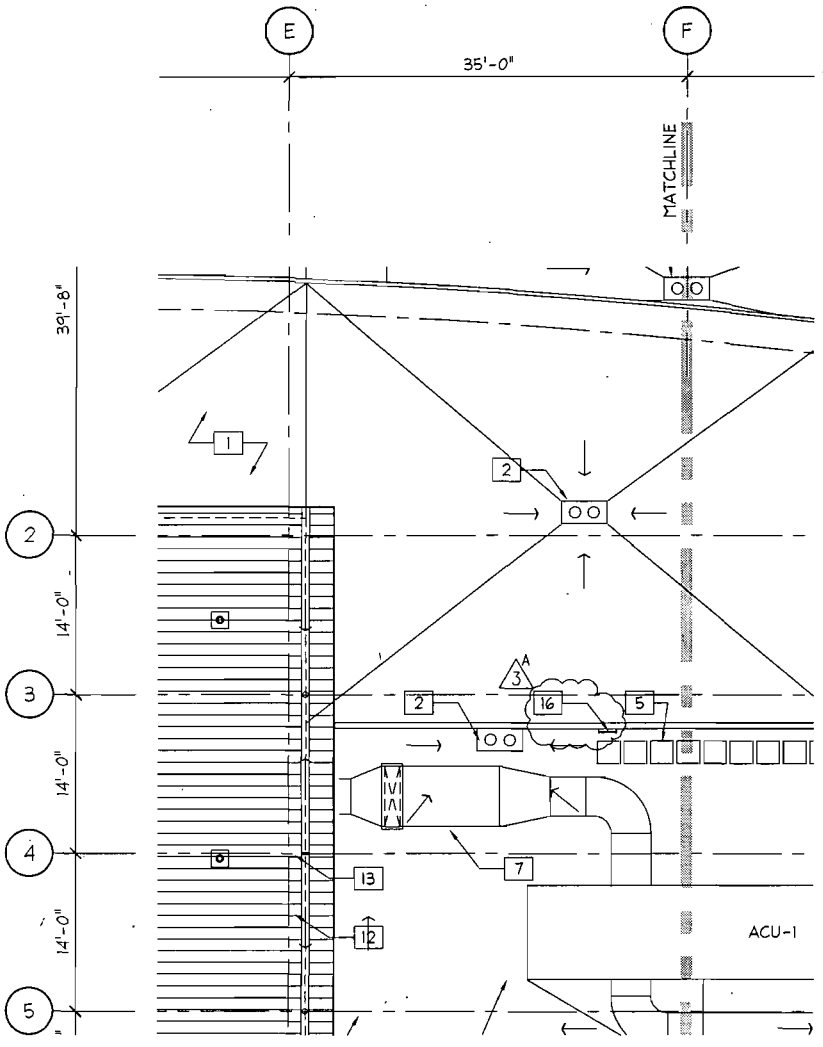
A2.2A CLERESTORY PLAN
EXT. ROOF LADDER
SHEET TITLE

07-14-2008
DATE

PA
BY

ADDENDUM 3
REVISION

AD3-1/A2.2A-01
DRAWING



KEY NOTES:

1. BUILT-UP ROOFING
2. ROOF ¢ OVERFLOW DRAIN
3. ROOF OVERHANG ABOVE
4. ROOF ACCESS HATCH ¢ LADDER, SEE 7/A8.12
5. WALKING PAD
6. -
7. MECH DUCT, S.M.D.
8. METAL GRATE TRELLIS, SEE 1/A8.10
9. ACU-1, S.M.D.
10. MECH DUCT ENCLOSURE
11. STANDING SEAM METAL ROOF
12. GSM HIDDEN GUTTER
13. HIDDEN GUTTER EXPANSION JOINT
14. MECHANICAL SCREEN, SEE 1/A8.10
15. FALL PROTECTION DEVICE/ANCHOR, SEE 1A/A8.12
16. EXTERIOR ROOF LADDER, SEE A8.14 (A/3)

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

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CITY OF SAN LEANDRO
SENIOR COMMUNITY CENTER

SCALE: 1/16" = 1'-0"
JOB #: 06-210-18-116

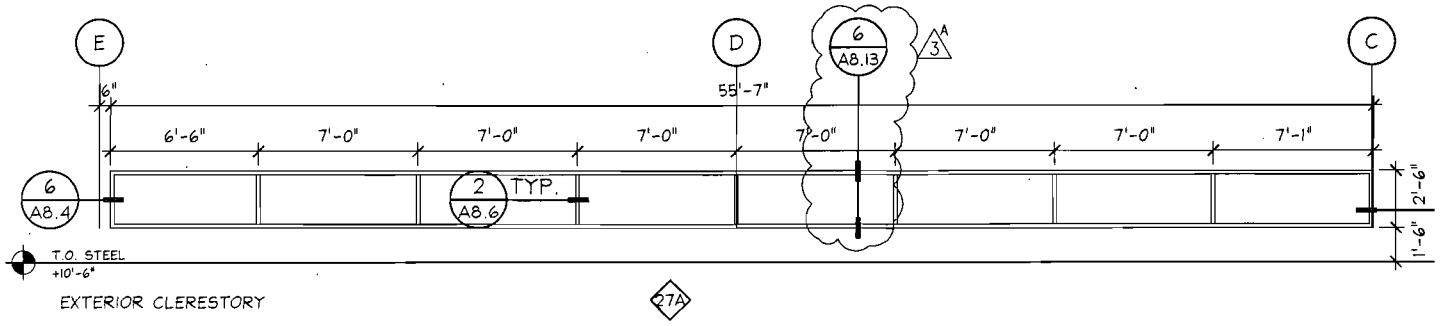
A2.3A ROOF PLAN
EXT. ROOF LADDER
SHEET TITLE

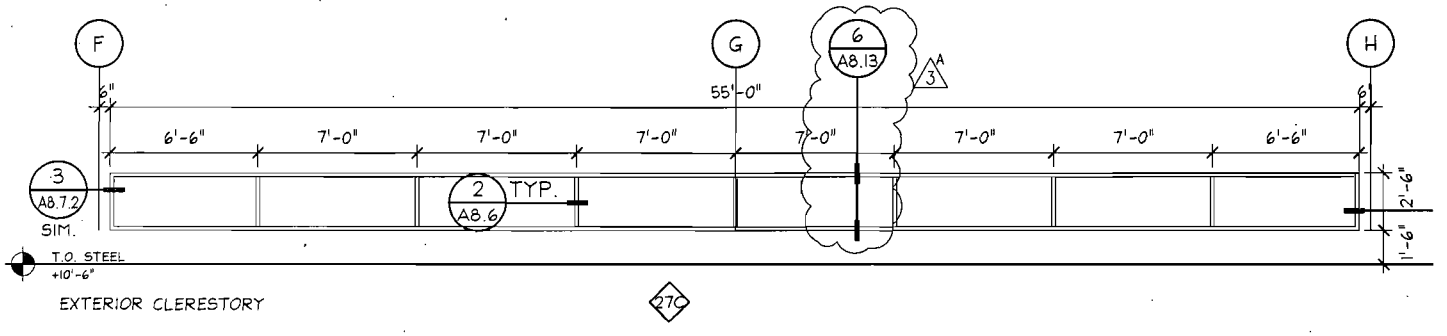
07-14-2008
DATE

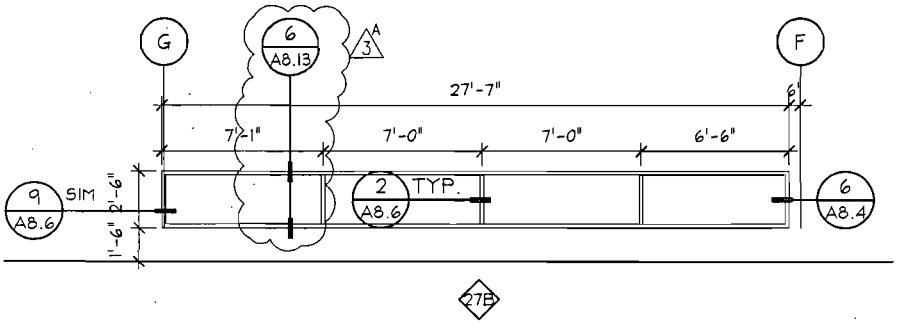
PA
BY

ADDENDUM 3
REVISION

AD3-1/A2.3A-01
DRAWING







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CITY OF SAN LEANDRO
SENIOR COMMUNITY CENTER

SCALE: 1/8" = 1'-0"
JOB #: 06-210-18-116

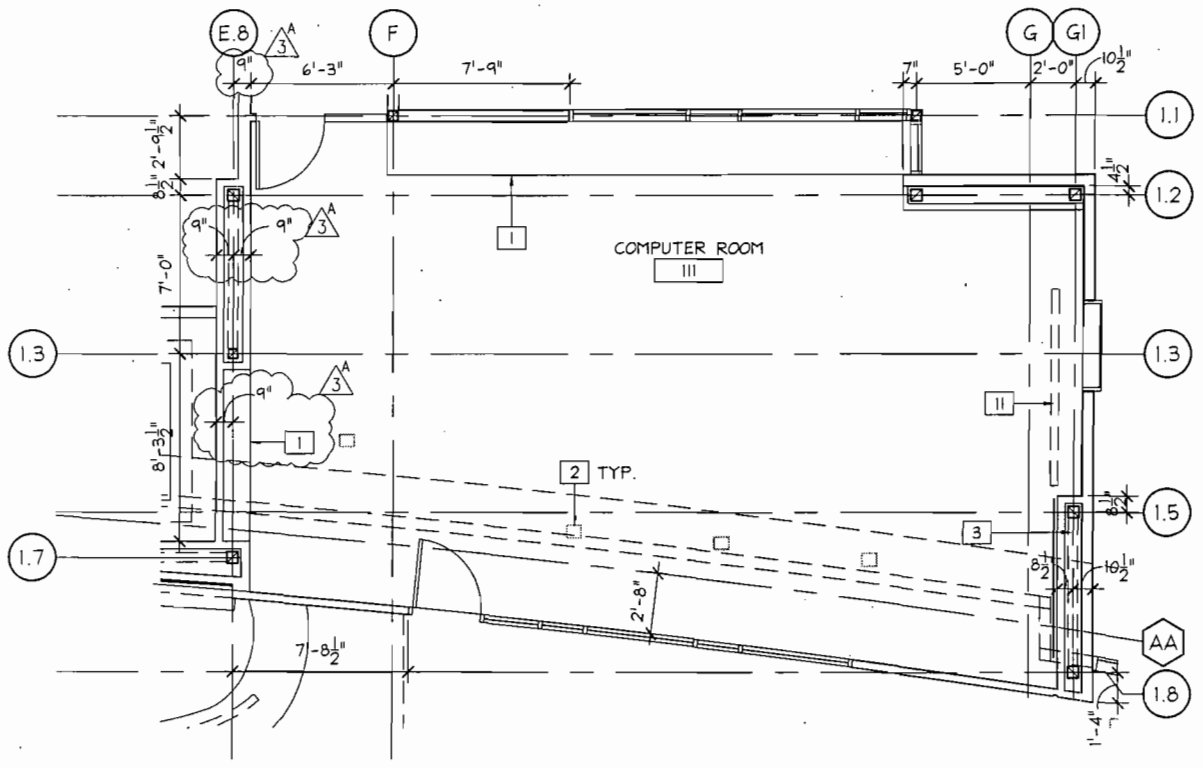
A2.9 WINDOW SCHEDULE
27A, 27B, 27C
SHEET TITLE

07-14-2008
DATE

PA
BY

ADDENDUM 3
REVISION

AD3-1/A2.9-01
DRAWING



2 / - COMPUTER ROOM -111
SCALE: 1/4" = 1'-0"

KEY NOTES:

1. CASEWORK
2. FLOOR MOUNTED POWER/DATA OUTLET
3. BRACED FRAME, S.S.D.
4. 30"X48" CLEAR SPACE
5. 30"X60" CLEAR SPACE
6. 60" WHEEL CHAIR TURNAROUND
7. RECEPTION DESK, SEE A9.12
8. CLERESTORY WINDOW ABOVE, SEE WINDOW SCHED.
9. PAPER TOWEL/WASTE RECEP., 4" MAX. PROTRUSION
10. HAND DRYER, RECESSED MOUNTED, 4" MAX. PROTRUSION
11. MOTORIZED CEILING MTD. DROP DOWN PROJECTION SCREEN
12. ADA SHOWER, S.P.D.
13. GRAB BAR, CONTRACTOR TO PROVIDE BACKING, TYP.
14. SLIDING GLASS DOORS, SEE A9.9 & DOOR SCHEDULE
15. SWING POCKET WALL, SEE DOOR SCHEDULE
16. TOILET SEAT COVER/TOILET PAPER DISPENSER/WASTE RECEP., RECESSED MTD.
17. SOAP DISPENSER
18. ROOF ACCESS HATCH
19. SLIDING GLASS PARTITION W/ EXIT DOOR, SEE A9.9

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CITY OF SAN LEANDRO
SENIOR COMMUNITY CENTER

SCALE: 1/16" = 1'-0"
JOB #: 06-210-18-116

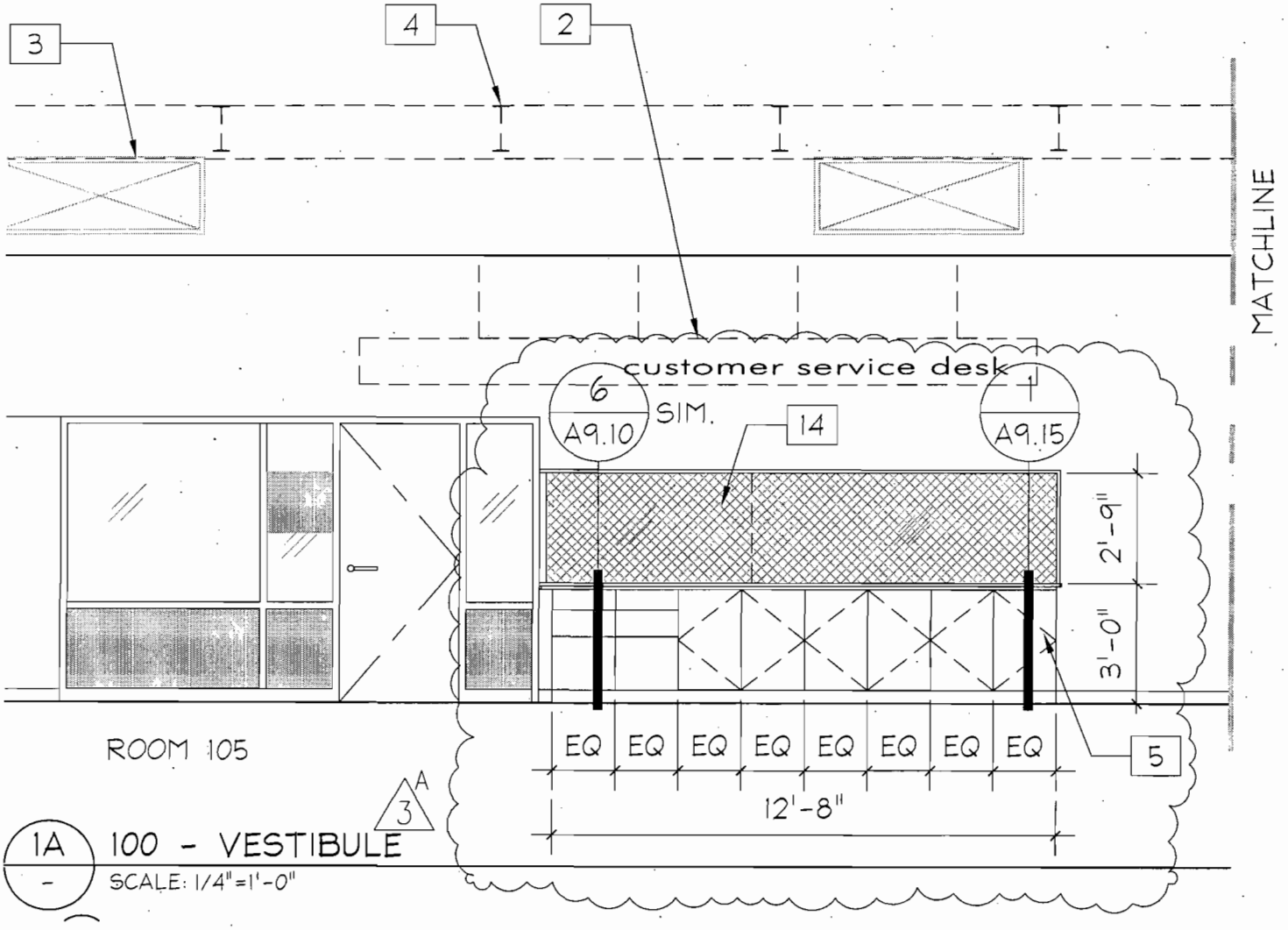
A4.1 ENLARGED FLOOR PLANS
CASEWORK ON WEST WALL
SHEET TITLE

07-14-2008
DATE

PA
BY

ADDENDUM 3
REVISION

AD3-2/A4.1-01
DRAWING



KEY NOTES:

1	WALL OUTLET, S.E.D.
2	SIGNAGE, S.G.D.
3	MECHANICAL DUCT, S.M.D.
4	STEEL BEAMS, S.S.D.
5	CASEWORK
14	ART GLASS

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CITY OF SAN LEANDRO
SENIOR COMMUNITY CENTER

SCALE: 1/4" = 1'-0"
JOB #: 06-210-18-116

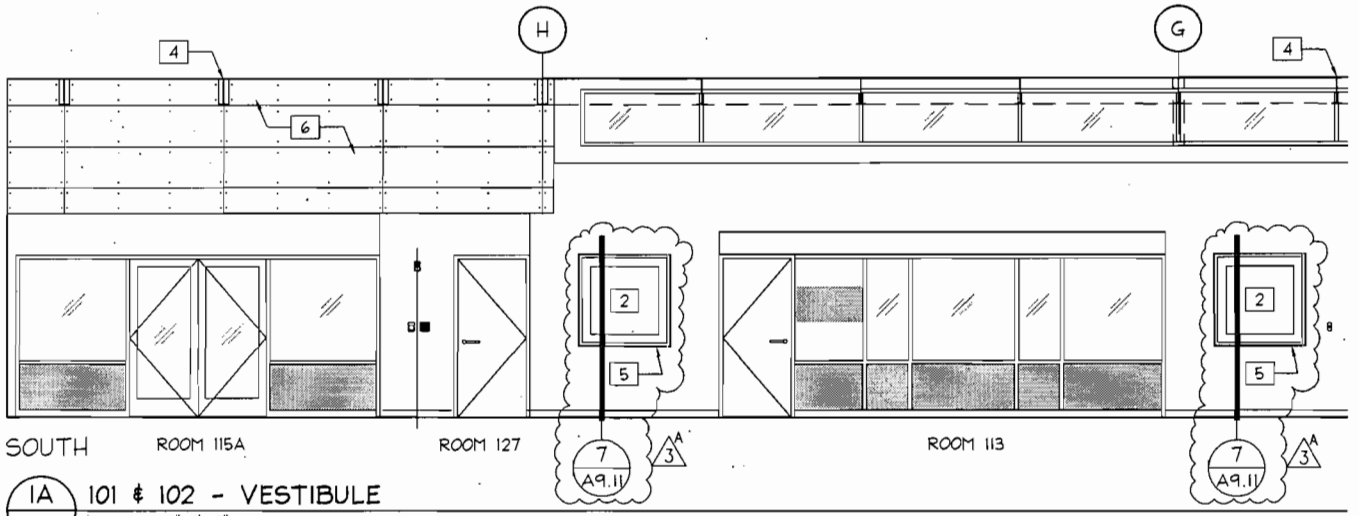
A5.1 INTERIOR ELEVATIONS
CUSTOMER SVC. CASEWORK
SHEET TITLE

07-14-2008
DATE

PA
BY

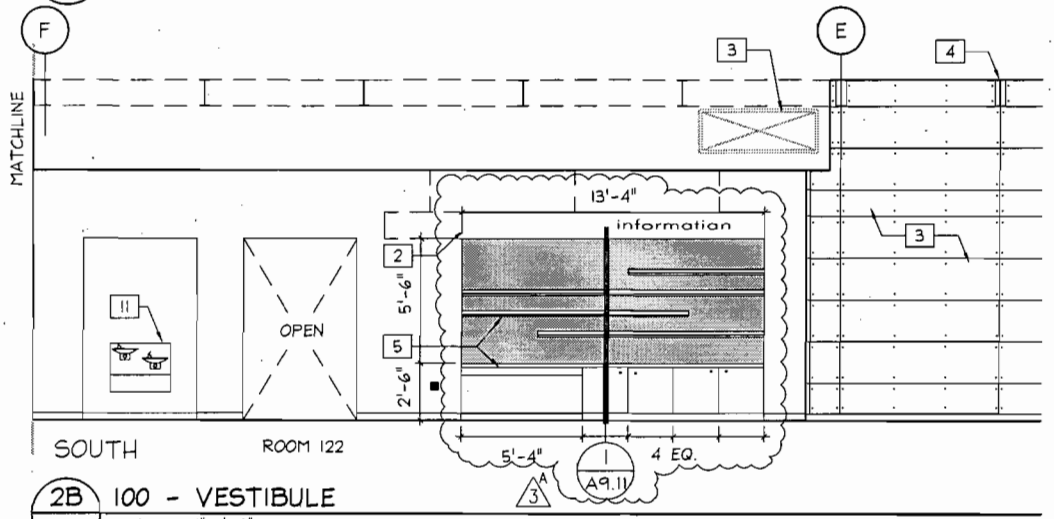
ADDENDUM 3
REVISION

AD3-1/A5.1-01
DRAWING



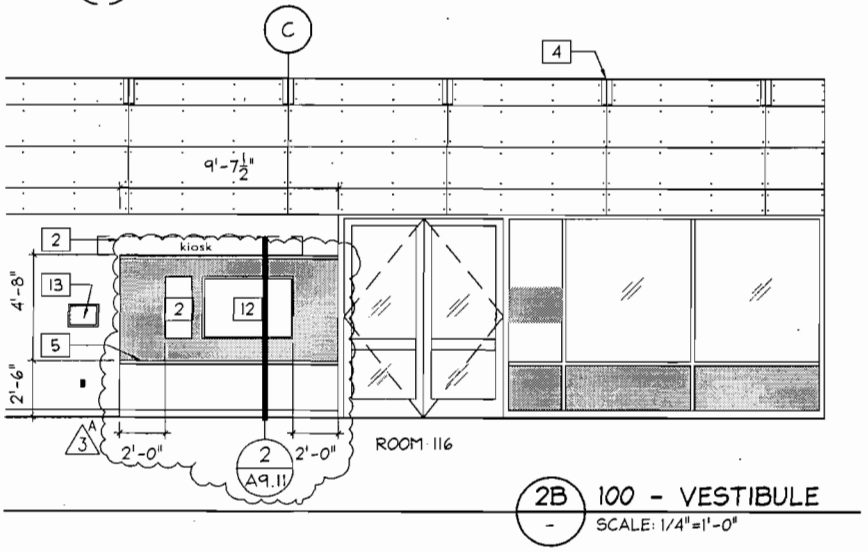
1A / - 101 & 102 - VESTIBULE

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



2B / - 100 - VESTIBULE

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



2B / - 100 - VESTIBULE

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

KEY NOTES:

1. WALL OUTLET, S.E.D.
2. SIGNAGE, S.G.D.
3. MECHANICAL DUCT, S.M.D.
4. STEEL BEAMS, S.S.D.
5. CASEWORK
6. FIBER CEMENT BOARD
7. SLATE TILES. 4"x24"
8. ALUMINUM BRAKE METAL PANEL
9. RECESSED FIRE EXTINGUISHER CABINET
10. AUTOMATIC SLIDING DOOR
11. HI-LO DRINKING FOUNTAIN
12. FLAT SCREEN MONITOR, N.I.C.
13. F.A.A.P., S.E.D.

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CITY OF SAN LEANDRO
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SCALE: 1/4" = 1'-0"
JOB #: 06-210-18-116

A5.2 INTERIOR ELEVATIONS
CASEWORK
SHEET TITLE

07-14-2008
DATE

PA
BY

ADDENDUM 3
REVISION

AD3-A5.2-01
DRAWING

UNDERLAYMENT NOTES:

1. STONE TILE APPLICATION: REFER TO SPECIFICAITON SECTION 09385 FOR WATERPROOFING MEMBRANE.
2. CEMENT PLASTER APPLICATION: USE 2 LAYERS OF BUILDING PAPER AS UNDERLAYMENT.
3. METAL PANEL: REFER TO SPECIFICAITON SECTION 07271 SHEET AIR BARRIERS.
4. FIBER CEMENT BOARD APPLICATION: REFER TO SPECIFICAITON SECTION 07271 SHEET AIR BARRIERS.
6. FLAT LOCK APPLICATION: REFER TO SPECIFICAITON SECTION 07271 SHEET AIR BARRIERS.
7. METAL ROOFING APPLICATION: REFER TO SPECIFICATION SECTION 07131 SELF-ADHERING SHEET WATERPROOFING.

A 3

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SENIOR COMMUNITY CENTER

SCALE: N.T.S.
JOB #: 06-210-18-116

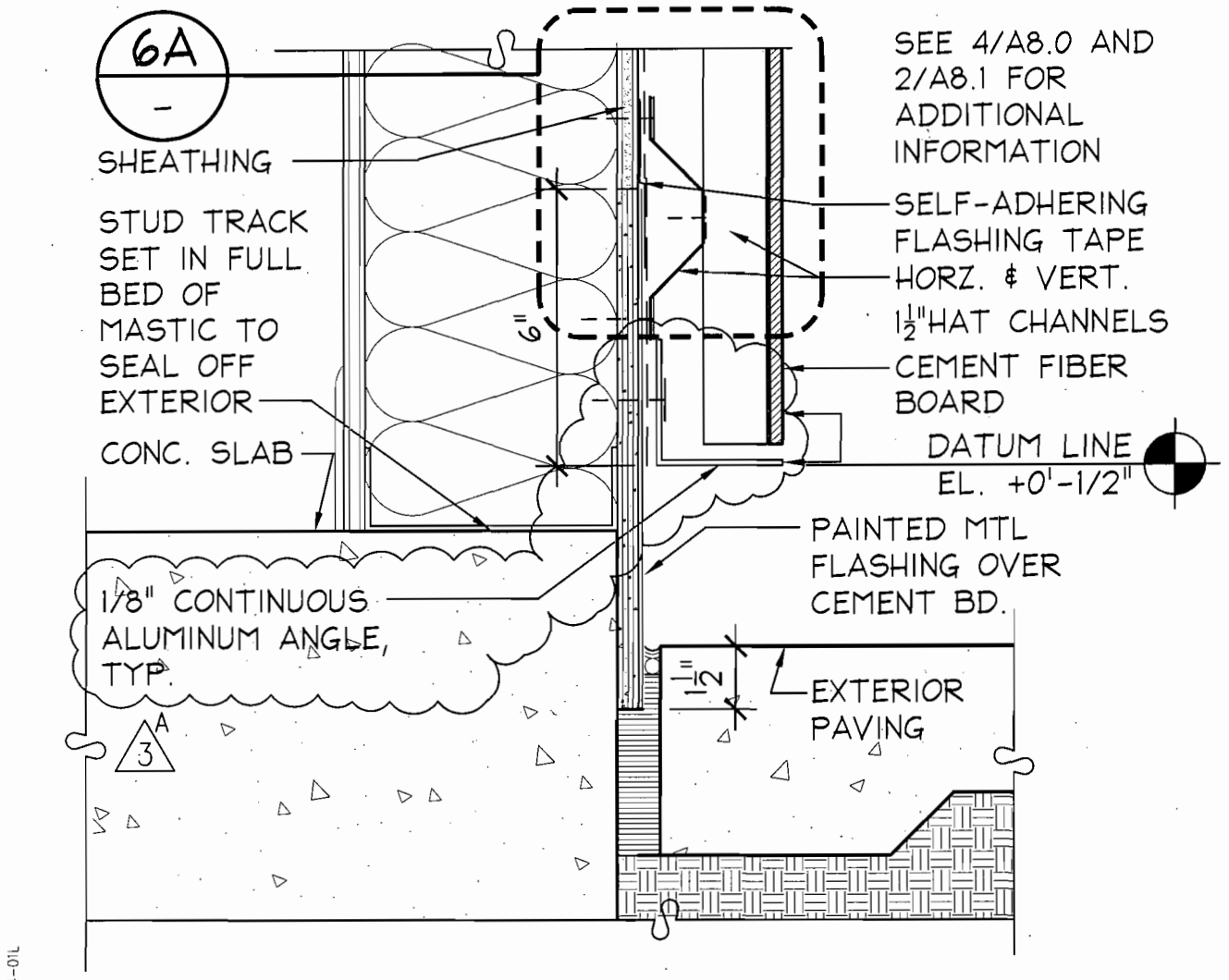
A8.0 EXTERIOR WALL DETAILS
UNDERLAYMENT CLARIFICATION
SHEET TITLE

07-14-2008
DATE

PA
BY

ADDENDUM 3
REVISION

AD3-A8.0-01
DRAWING



0724-01L

6 BASE OF WALL @ CEM. FIB BD.

SCALE: 3"=1'-0"

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SCALE: 3" = 1'-0"
JOB #: 06-210-18-116

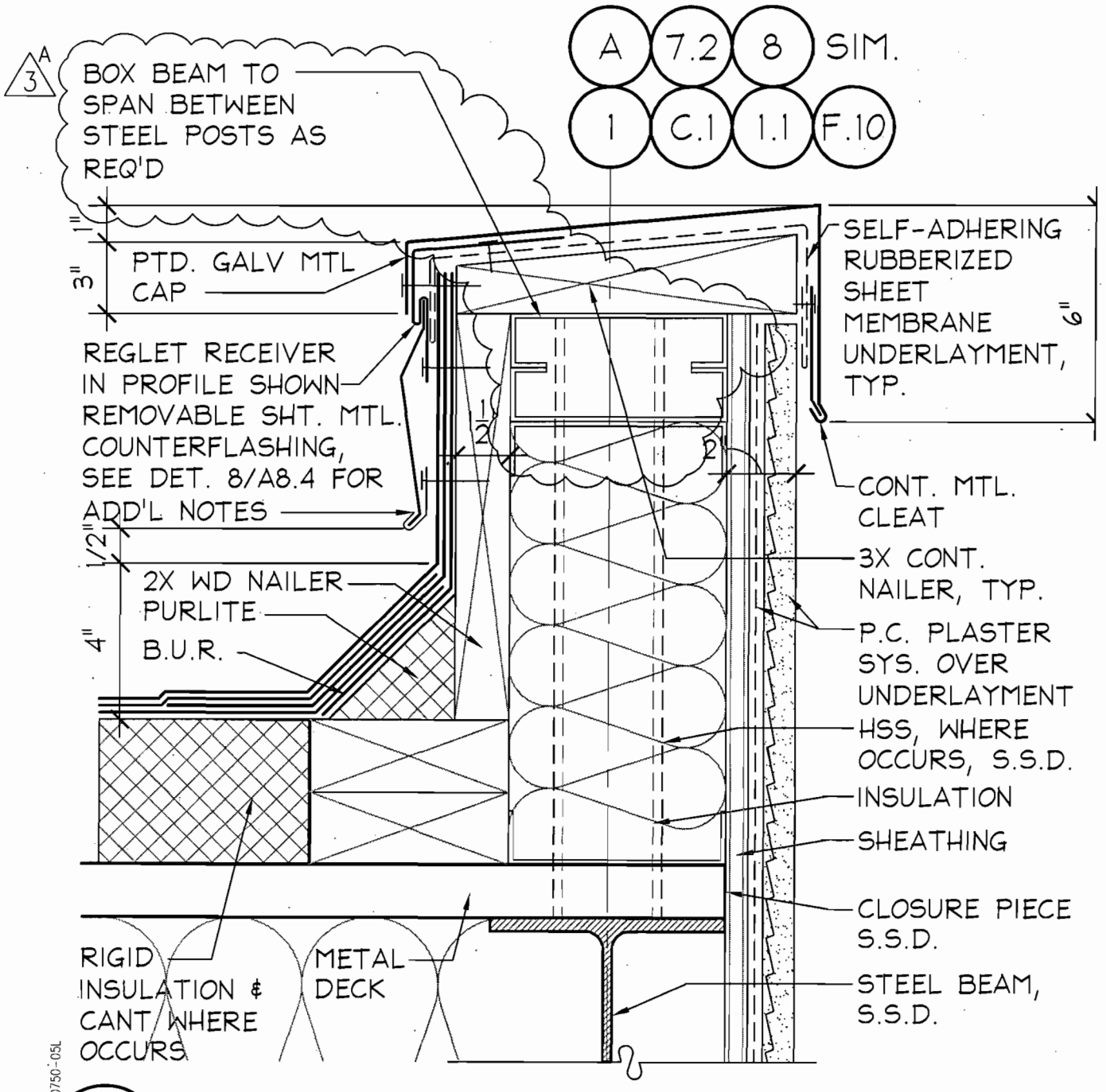
A8.9 EXTERIOR & ROOF DETAILS
BASE OF WALL AT CEMENT BOARD
SHEET TITLE

07-14-2008
DATE

PA
BY

ADDENDUM 3
REVISION

AD3-6/A8.9-01
DRAWING



5 / - PARAPET @ CEMENT PLASTER

SCALE: 3"=1'-0"

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SCALE: 3" = 1'-0"
JOB #: 06-210-18-116

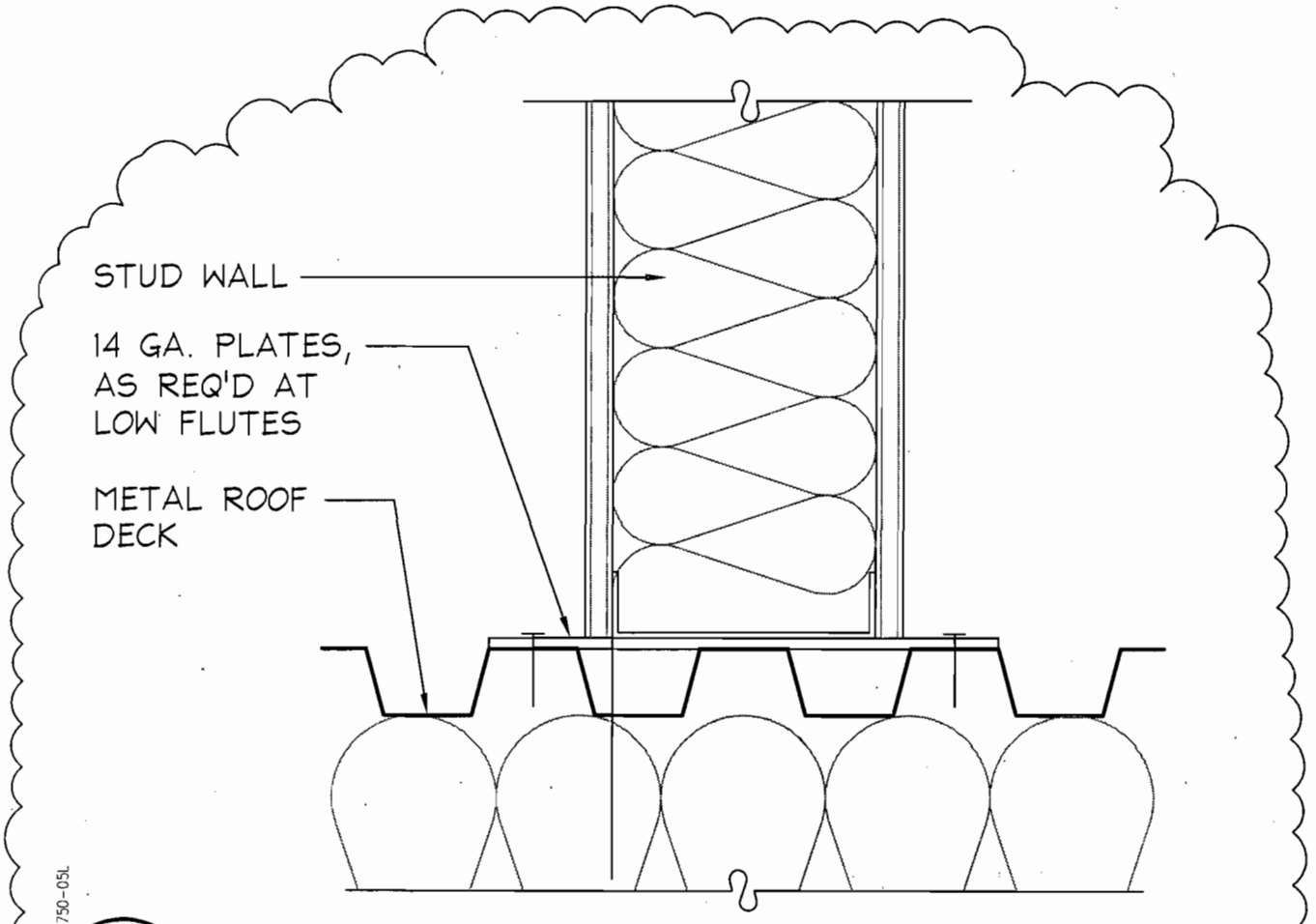
A8.10 EXTERIOR ROOF DETAILS
SHEET TITLE

07-14-2008
DATE

PA
BY

ADDENDUM 3
REVISION

AD3- 5/A8.10-01
DRAWING



0750-05L

6 / - METAL STUD WALL @ LOW FLUTES

SCALE: 3"=1'-0"

3 A

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SENIOR COMMUNITY CENTER

SCALE: 3" = 1'-0"
JOB #: 06-210-18-116

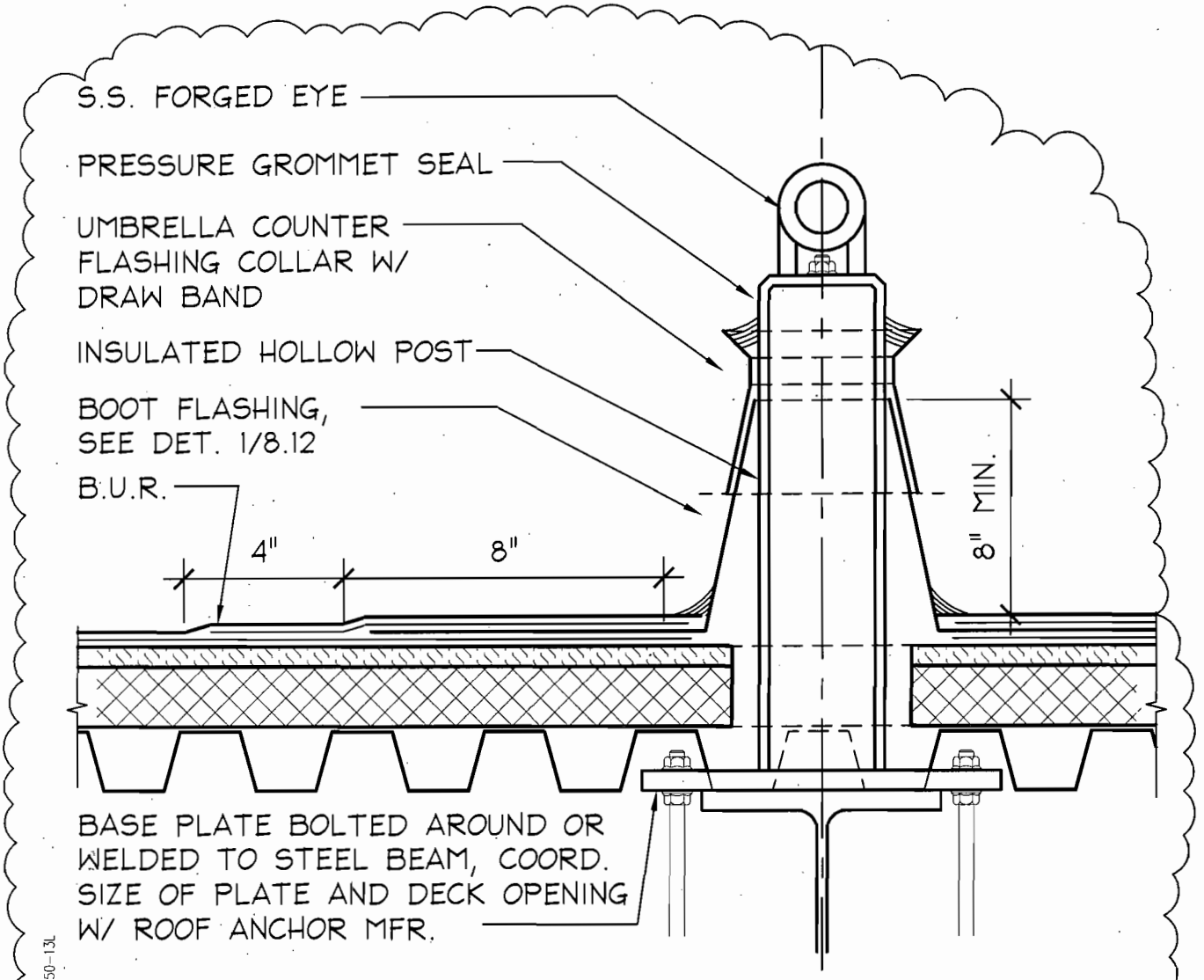
A8.10 EXTERIOR ROOF DETAILS
SHEET TITLE

07-14-2008
DATE

PA
BY

ADDENDUM 3
REVISION

AD3- 6/A8.10-01
DRAWING



0750-13L

1A / - FALL PROTECTION ROOF ANCHOR

SCALE: 3"=1'-0"

3 A

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SCALE: 3" = 1'-0"
JOB #: 06-210-18-116

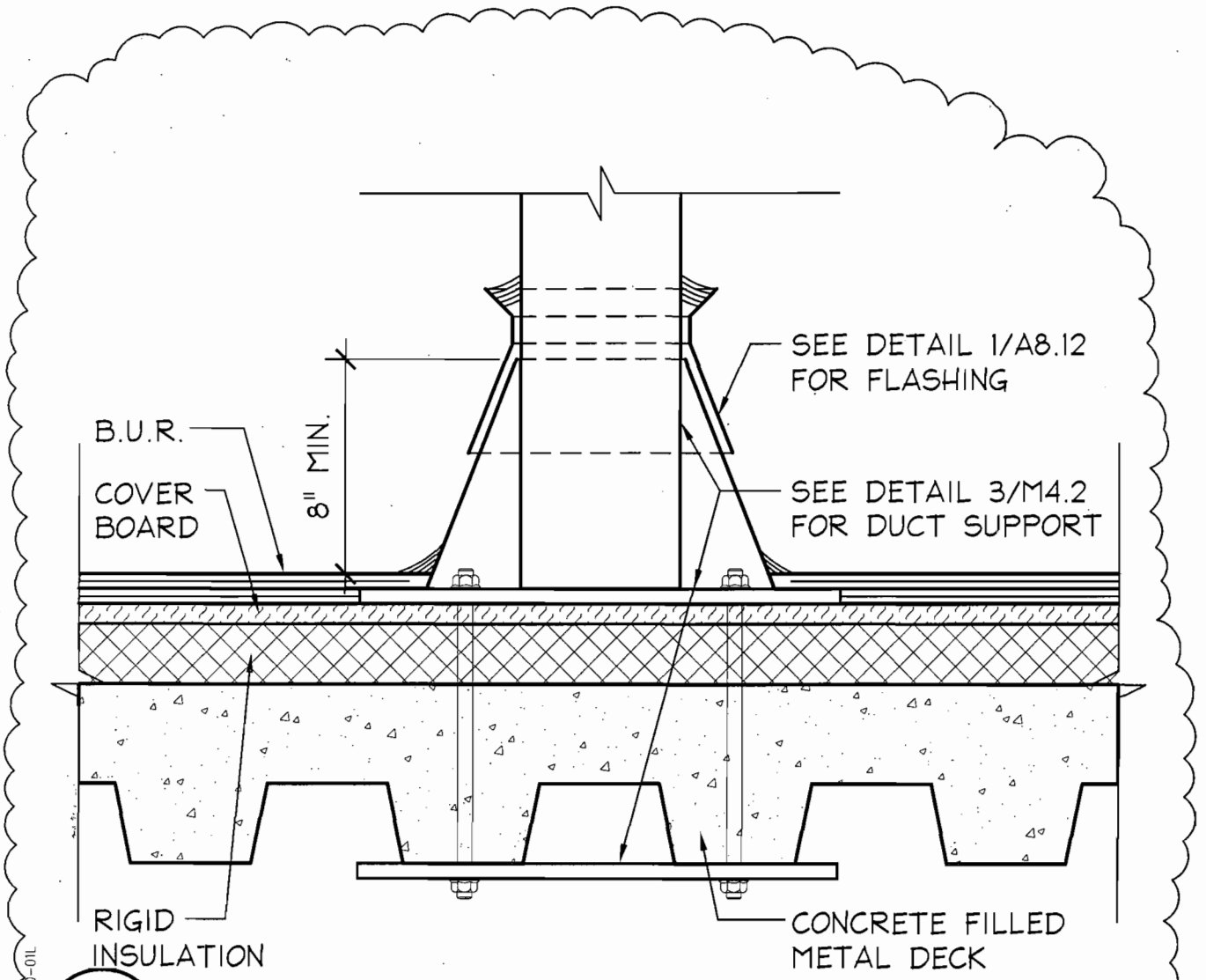
A8.12 EXTERIOR WALL & WINDOW DET.
FALL PROTECTION ROOF ANCHOR
SHEET TITLE

07-14-2008
DATE

PA
BY

ADDENDUM 3
REVISION

AD3- 1A/A8.12-01
DRAWING



07720-01L

3 / - DUCT SUPPORT FLASHING

SCALE: 3"=1'-0"

A3

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GROUP 4

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SENIOR COMMUNITY CENTER

SCALE: 3" = 1'-0"
JOB #: 06-210-18-116

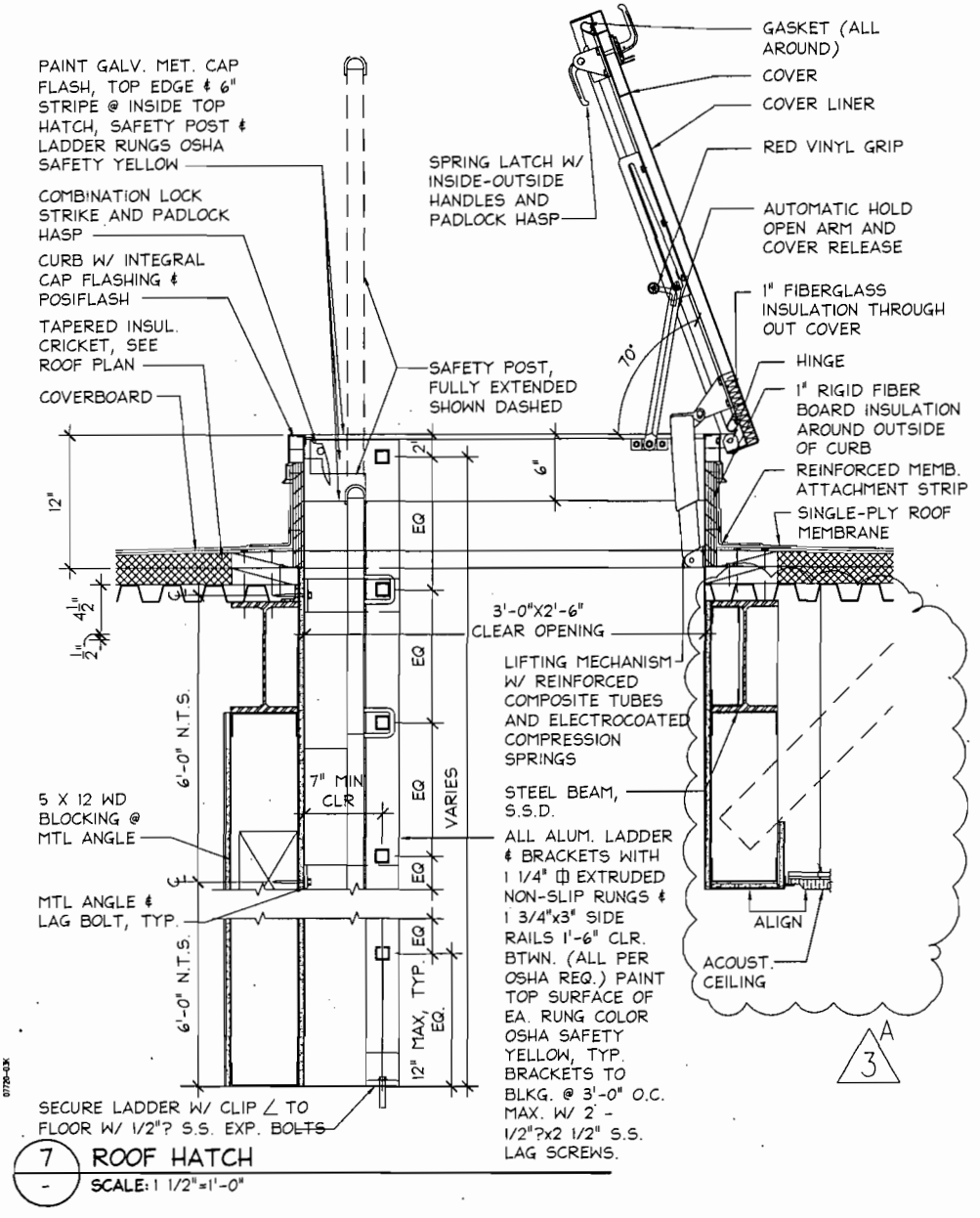
A8.12 EXTERIOR WALL & WINDOW DET.
DUCT SUPPORT FLASHING
SHEET TITLE

07-14-2008
DATE

PA
BY

ADDENDUM 3
REVISION

AD3-3/A8.12-01
DRAWING



7 / - ROOF HATCH
SCALE: 1 1/2"=1'-0"

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SCALE: 3" = 1'-0"
JOB #: 06-210-18-116

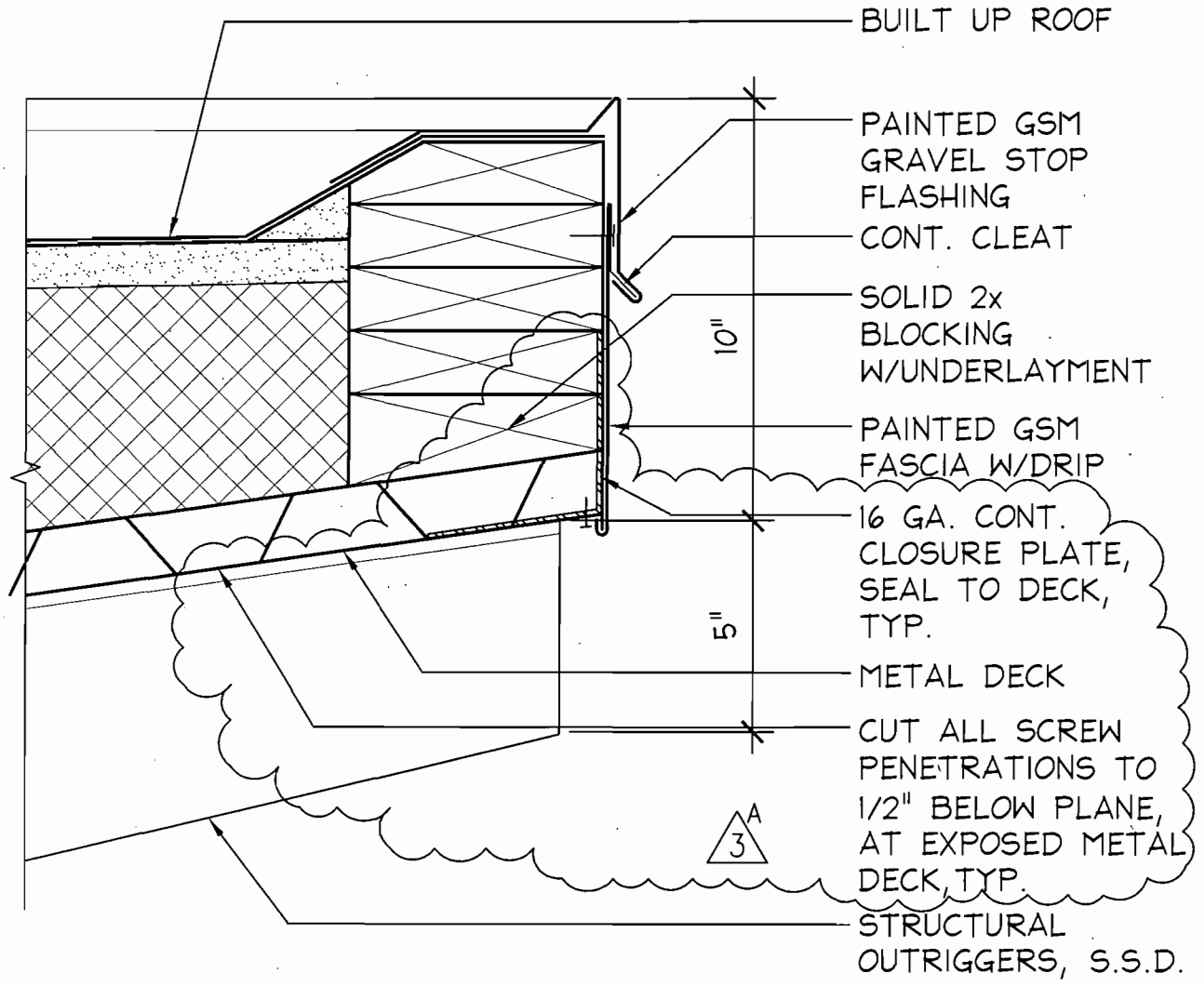
A8.12 EXTERIOR WALL & WINDOW DET.
ROOF HATCH - CEILING EDGE
SHEET TITLE

07-14-2008
DATE

PA
BY

ADDENDUM 3
REVISION

AD3- 7/A8.12-01
DRAWING



5 / –

GRAVEL STOP ROOF DETAIL

SCALE: 3"=1'-0"

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SCALE: 3"=1'-0"
JOB #: 06-210-18-116

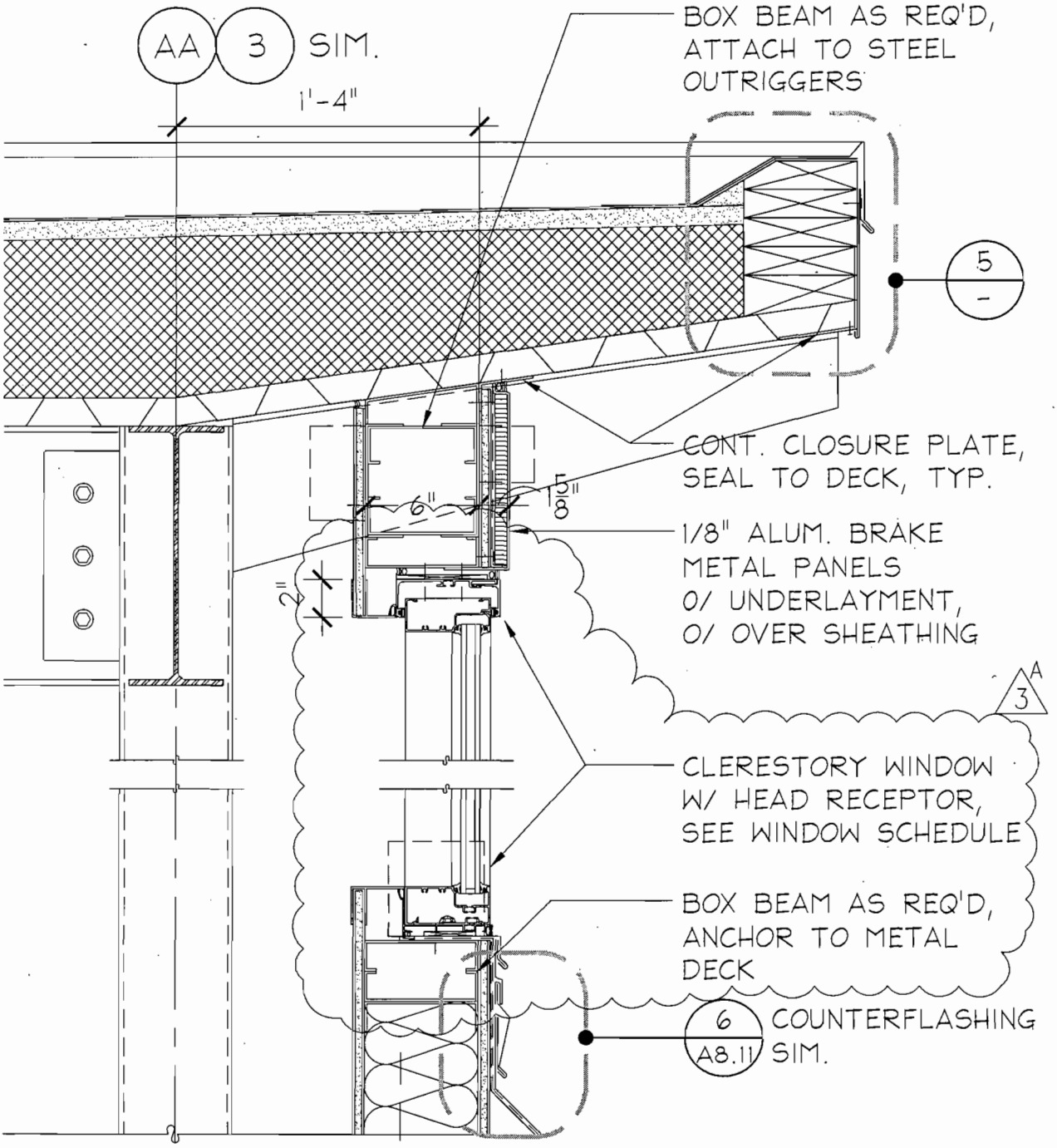
A8.13 EXTERIOR & ROOF DETAILS
SOFFIT DETAIL
SHEET TITLE

07-14-2008
DATE

PA
BY

ADDENDUM 3
REVISION

AD3-5/A8.13-01
DRAWING



6 LOBBY ROOF DETAIL

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

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CITY OF SAN LEANDRO
SENIOR COMMUNITY CENTER

SCALE: 1-1/2"=1'-0"
JOB #: 06-210-18-116

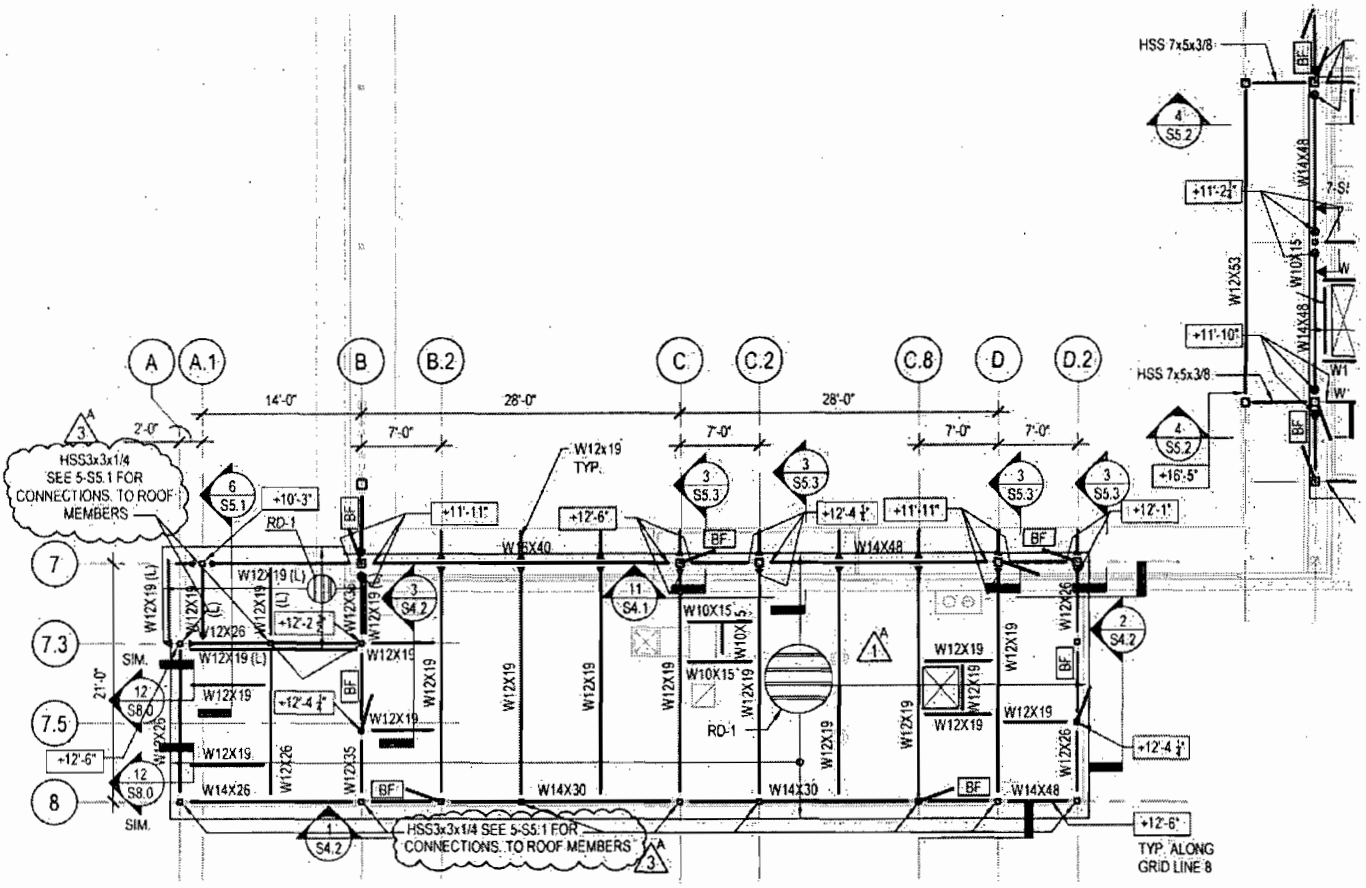
A8.13 EXTERIOR & ROOF DETAILS
SOFFIT DETAIL
SHEET TITLE

07-14-2008
DATE

PA
BY

ADDENDUM 3
REVISION

AD3-6/A8.13-01
DRAWING



PARTIAL LOW ROOF FRAMING PLAN

ARCHITECTURE
RESEARCH +
PLANNING, INC

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GROUP 4

CITY OF SAN LEANDRO
SENIOR COMMUNITY CENTER

SCALE: 1/16" = 1'-0"
JOB #: 06-210-18-116

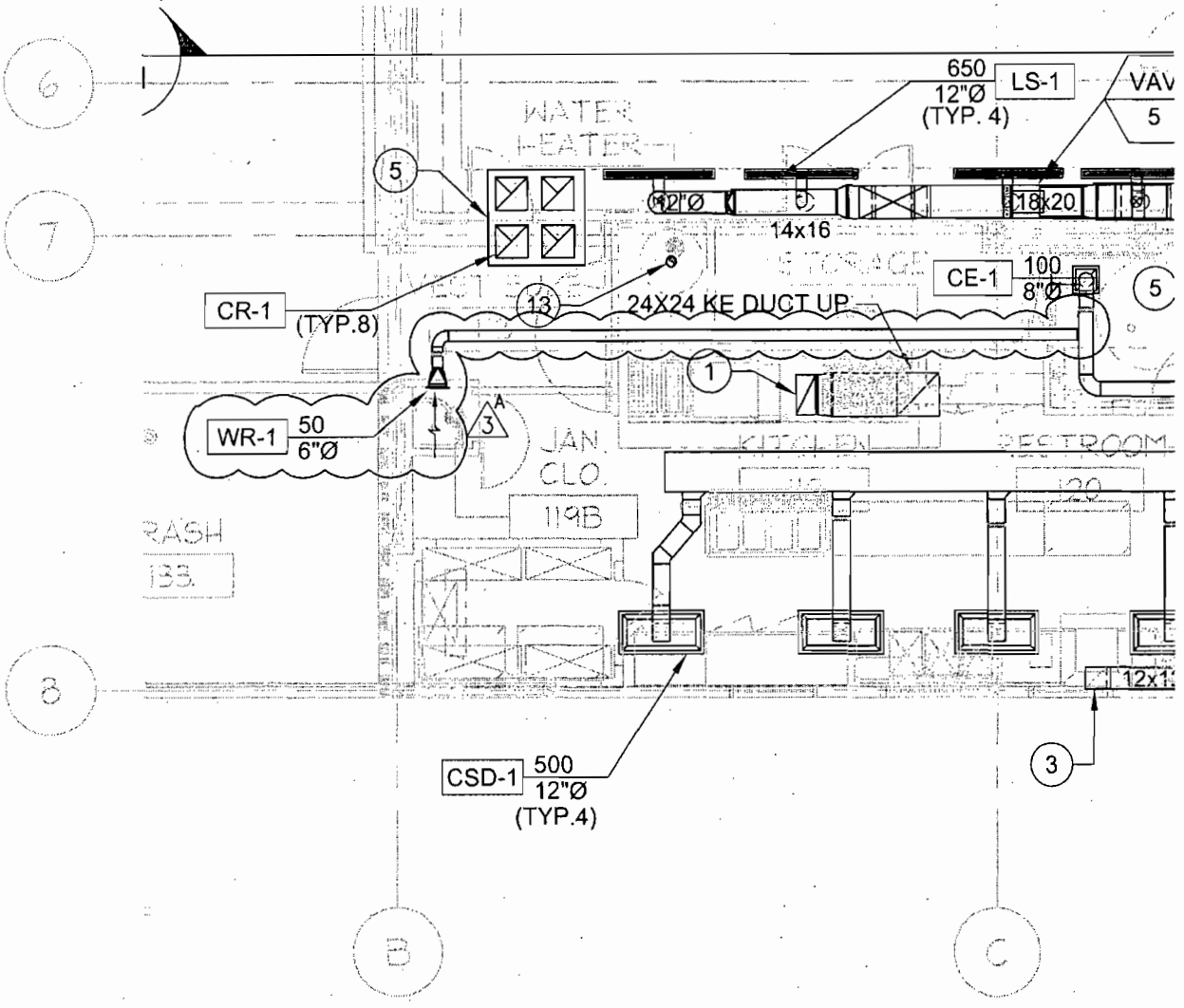
FLAT ROOF AND
MEZZANINE FRAMING PLAN
SHEET TITLE

07-15-2008
DATE

RHH
BY

ADDENDUM 3
REVISION

AD1-1/S2.2-01
DRAWING



GROUP 4 ARCHITECTURE RESEARCH + PLANNING, INC
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CITY OF SAN LEANDRO
SENIOR COMMUNITY CENTER

SCALE: 1/8"=1'-0"
JOB #: 06-210-18-116

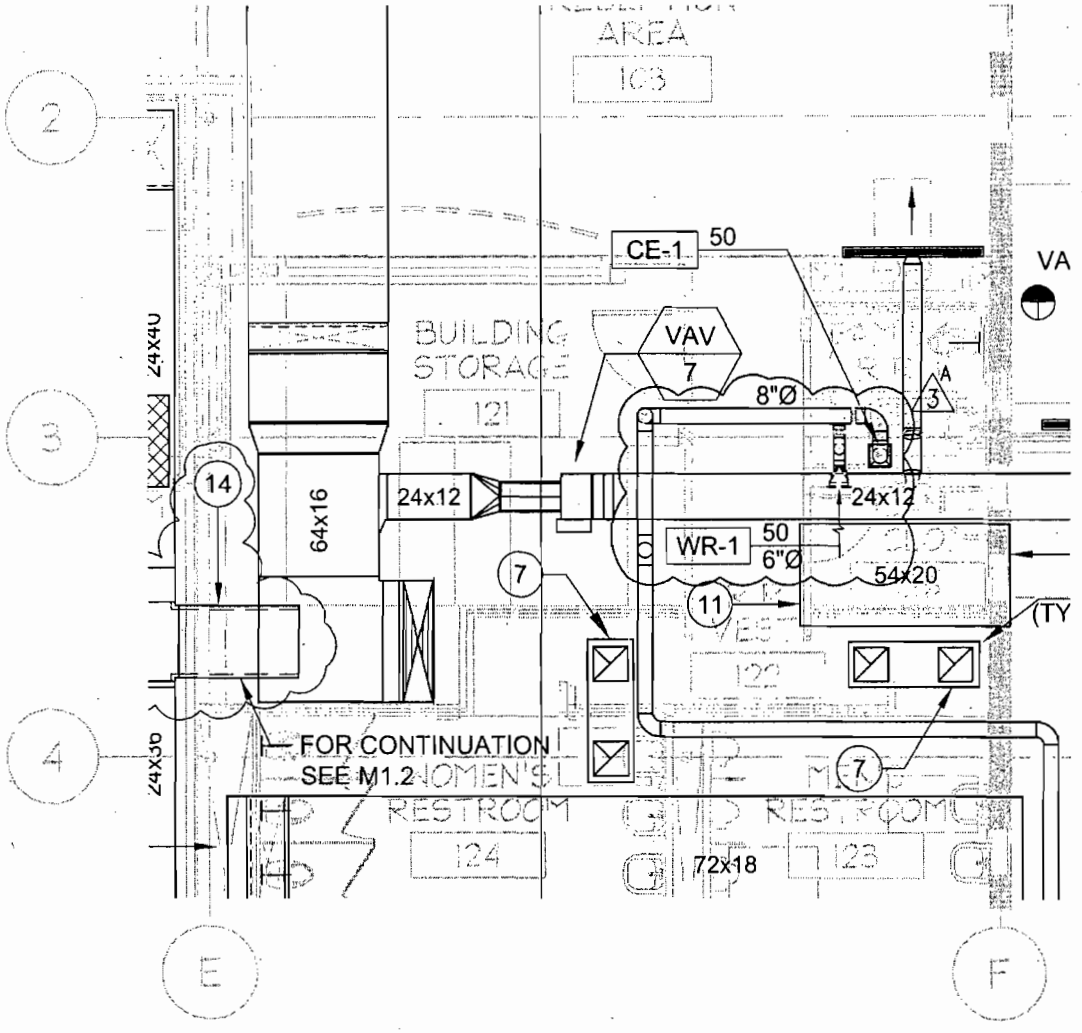
- 1ST FLOOR PLAN - HVAC PLAN B -
SHEET TITLE

07-11-2008
DATE

GS
BY

ADDENDUM 3
REVISION

AD3-1/M1.1A-01
DRAWING



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CITY OF SAN LEANDRO
SENIOR COMMUNITY CENTER

SCALE: 1/8"=1'-0"
JOB #: 06-210-18-116

- 1ST FLOOR PLAN - HVAC PLAN B -
SHEET TITLE

07-11-2008
DATE

GS
BY

ADDENDUM 3
REVISION

AD3-1/M1.1A-02
DRAWING

FAN SCHEDULE

MARK	MFR	MODEL	CFM	SP (in. wc)	FAN RPM	TSPD (fpm)	TYPE	ELECTRICAL		
								INPUT	HP	VOLT-I
EF-1	COOK	210CPS	4000	2.5	1255	6899	CENTRIFUGAL BLOWER	2.142	3	208/3
EF-2	COOK	120C15D	1000	1	1550	4869	DIRECT DRIVE	0.25	1/3	120/1
EF-3	COOK	70ACEB	150	0.5	1387	3631	BELT DRIVE	0.1	1/6	120/1
EF-4	COOK	135HLC15D	350	0.75	1299	4591	DIRECT DRIVE	0.24	0.5	120/1
EF-5	COOK	120REBE	154	0.5	1075	3377	DIRECT DRIVE	0.06	0.25	120/1
EF-6	COOK	100USDM	450	0.5	1625	4307	DIRECT DRIVE	0.06	0.25	120/1

NOTE:

1. AMCA CERTIFIED FOR AIRFLOW AND SOUND.
2. CONTRACTOR SHALL PROVIDE SPRING VIBRATION ISOLATION (1.5" MINIMUM) WITH BASE.
3. PROVIDE THERMAL OVERLOAD PROTECTION AND PREMIUM EFFICENT MOTORS.
4. PROVIDE HINGED ROOF CURB, TIE-DOWNS, ALUMINUM BIRD SCREEN, COUNTER BALAN
5. DISCONNECT/STARTER BY DIV. 16.
6. MIN. 10'-0" OF 1" ACOUSTICAL DUCT LINING BETWEEN FAN AND FIRST GRILLE.

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SENIOR COMMUNITY CENTER

SCALE: 1/8"=1'-0"
JOB #: 06-210-18-116

- SCHEDULES -
SHEET TITLE

07-11-2008
DATE

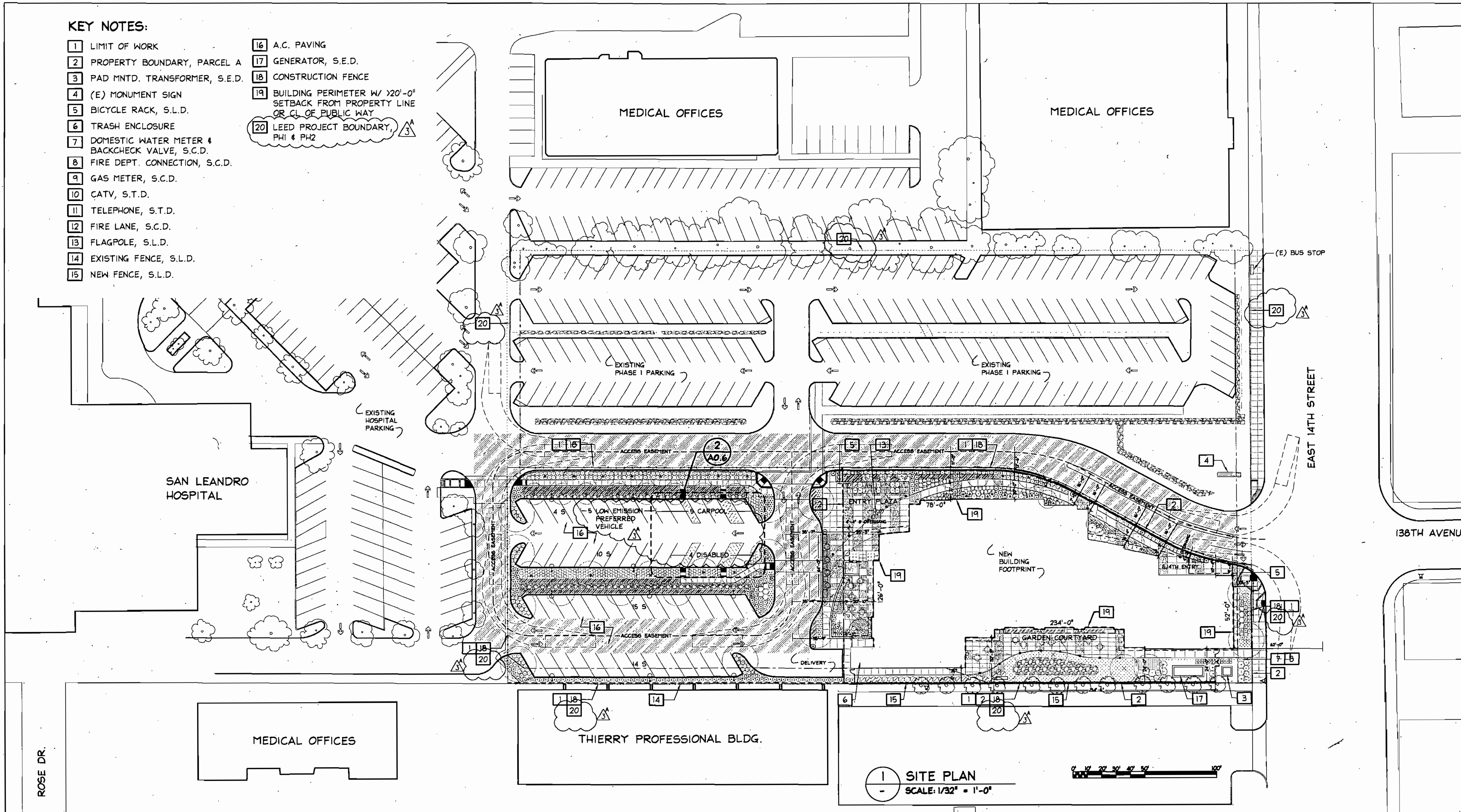
GS
BY

ADDENDUM 3
REVISION

AD3-1/M5.2-3
DRAWING

KEY NOTES:

1. LIMIT OF WORK
2. PROPERTY BOUNDARY, PARCEL A
3. PAD MNTD. TRANSFORMER, S.E.D.
4. (E) MONUMENT SIGN
5. BICYCLE RACK, S.L.D.
6. TRASH ENCLOSURE
7. DOMESTIC WATER METER & BACKCHECK VALVE, S.C.D.
8. FIRE DEPT. CONNECTION, S.C.D.
9. GAS METER, S.C.D.
10. CATV, S.T.D.
11. TELEPHONE, S.T.D.
12. FIRE LANE, S.C.D.
13. FLAGPOLE, S.L.D.
14. EXISTING FENCE, S.L.D.
15. NEW FENCE, S.L.D.
16. A.C. PAVING
17. GENERATOR, S.E.D.
18. CONSTRUCTION FENCE
19. BUILDING PERIMETER W/ >20'-0" SETBACK FROM PROPERTY LINE OR CL OF PUBLIC WAY
20. LEED PROJECT BOUNDARY, PH1 & PH2 (revision 3)



1 SITE PLAN
SCALE: 1/32" = 1'-0"

GROUP 4 ARCHITECTURE RESEARCH + PLANNING, INC
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CA 94080 USA
650-871-0709

LICENSED ARCHITECT — DAWN E. MERKES — NO. C-24206 — REN. 10-31-09 — STATE OF CALIFORNIA

CITY OF SAN LEANDRO — INCORPORATED 1872

CITY OF SAN LEANDRO

BEFORE YOU DIG, CALL UNDERGROUND SERVICE ALERT 1(800)227-2600. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXISTENCE AND LOCATION OF ALL UNDERGROUND UTILITIES. THOSE SHOWN REPRESENT THE BEST INFORMATION AVAILABLE TO THE CITY OF SAN LEANDRO AT THE TIME OF PREPARATION OF THESE PLANS. NO GUARANTEE IS MADE AS TO THE ACCURACY OF THIS INFORMATION.

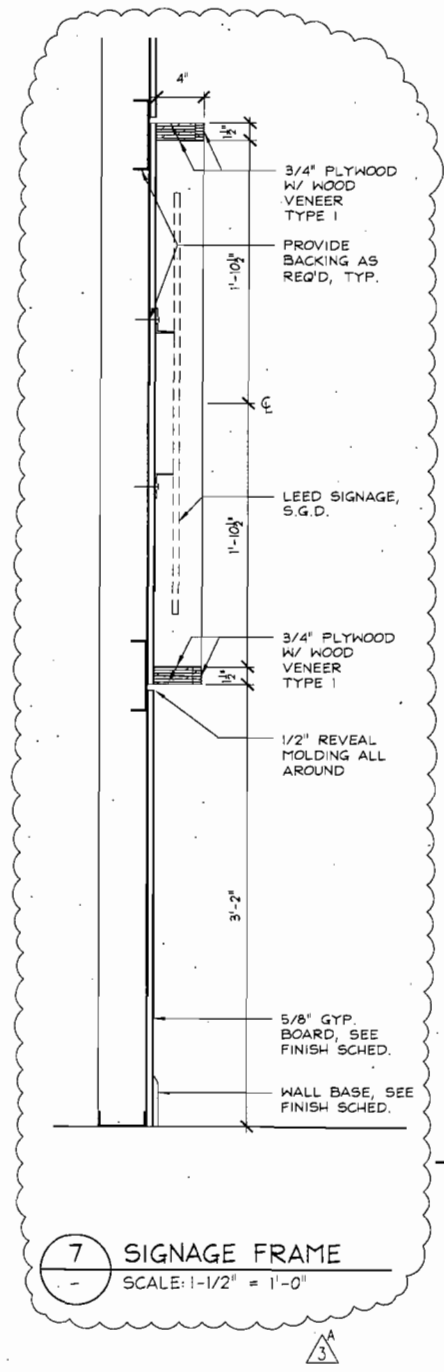
NO.	DATE	REVISION
1	05/19/08	BID SET
2	06/17/08	ADDENDUM 1
3	06/25/08	ADDENDUM 2
4	07/14/08	ADDENDUM 3
5		

DESIGNED BY ______ DATE ______
DRAWN BY ______ DATE ______
PROJECT MGR. ______ DATE ______
TRANS ADMIN. ______ DATE ______
SENIOR ENGR. ______ DATE ______
APPROVED BY: ______ DATE ______
CITY ENGINEER, R.C.E. No. 34870

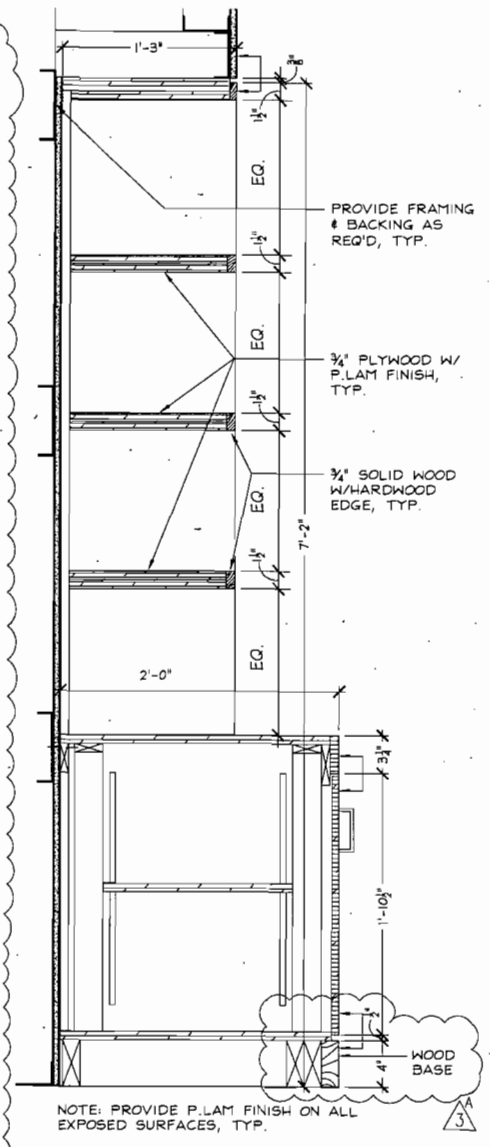
SAN LEANDRO SENIOR COMMUNITY CENTER

SITE DEVELOPMENT PLAN

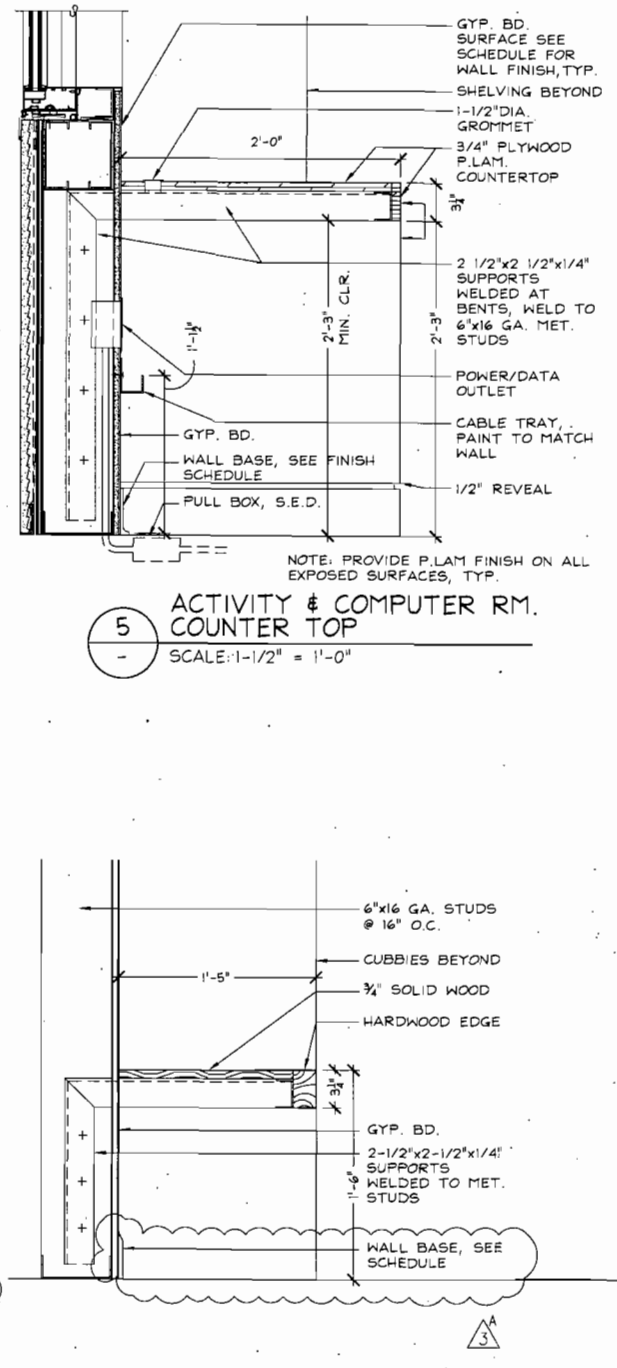
A1.1
SHEET 11 OF 310
JOB NO. 06-210-18-116
SCALE ______
DWG. 3143 CASE 901



7 — SIGNAGE FRAME
SCALE: 1-1/2" = 1'-0"

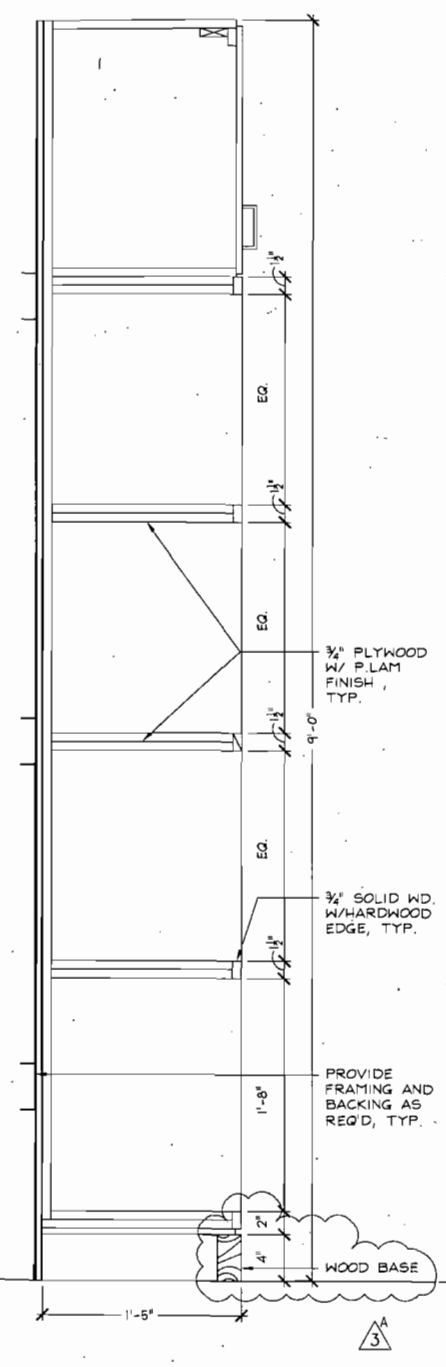


6 — ACTIVITY RM. SHELVING
SCALE: 1-1/2" = 1'-0"

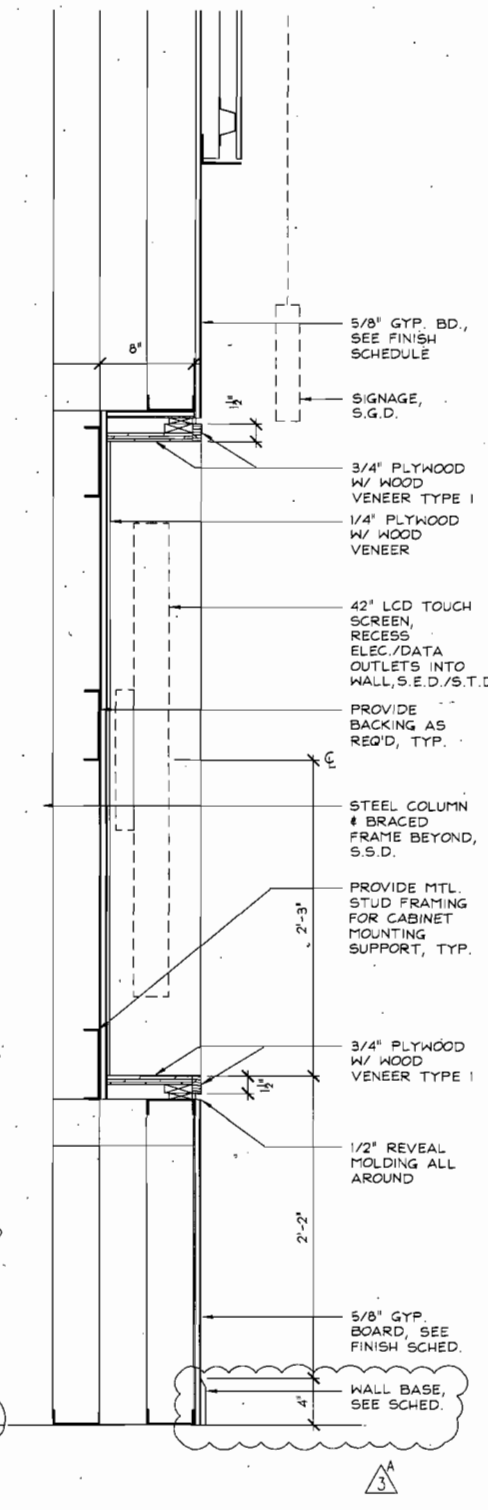


5 — ACTIVITY & COMPUTER RM. COUNTER TOP
SCALE: 1-1/2" = 1'-0"

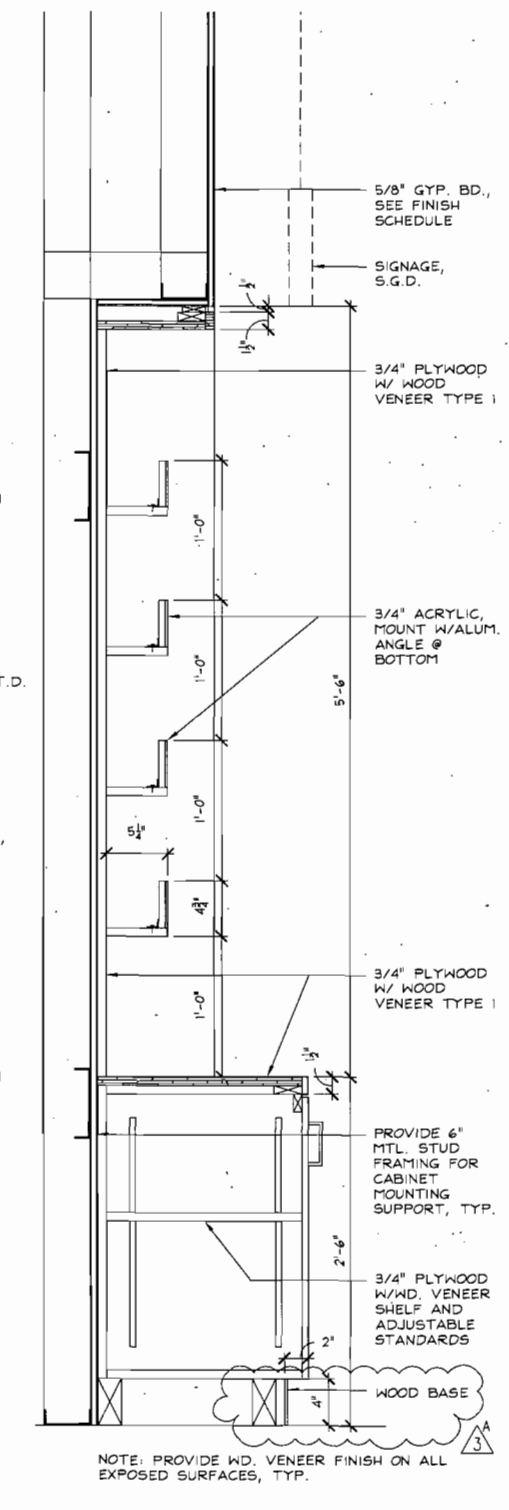
4 — EXERCISE RM. BENCH
SCALE: 1-1/2" = 1'-0"



3 — EXERCISE RM. CUBBIES
SCALE: 1-1/2" = 1'-0"



2 — INFO. KIOSK
SCALE: 1-1/2" = 1'-0"



1 — INFO. BROCHURE COUNTER
SCALE: 1-1/2" = 1'-0"

GROUP 4
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RESEARCH +
PLANNING, INC
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SO. SAN FRANCISCO
CA 94080 USA
650·871·0709

LICENSED ARCHITECT
DAWN E. MERKES
NO. C-24206
REN. 10-31-09
ARCHITECT
STATE OF CALIFORNIA

CITY OF SAN LEANDRO
INCORPORATED 1872

BEFORE YOU DIG, CALL UNDERGROUND SERVICE ALERT 1(800)227-2600 IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXISTENCE AND LOCATION OF ALL UNDERGROUND UTILITIES. THOSE SHOWN REPRESENT THE BEST INFORMATION AVAILABLE TO THE CITY OF SAN LEANDRO AT THE TIME OF PREPARATION OF THESE PLANS. NO GUARANTEE IS MADE AS TO THE ACCURACY OF THIS INFORMATION.

NO.	DATE	REVISION
1	05/19/08	BID SET
2	06/17/08	ADDENDUM 1
3	06/25/08	ADDENDUM 2
4	07/14/08	ADDENDUM 3
5		

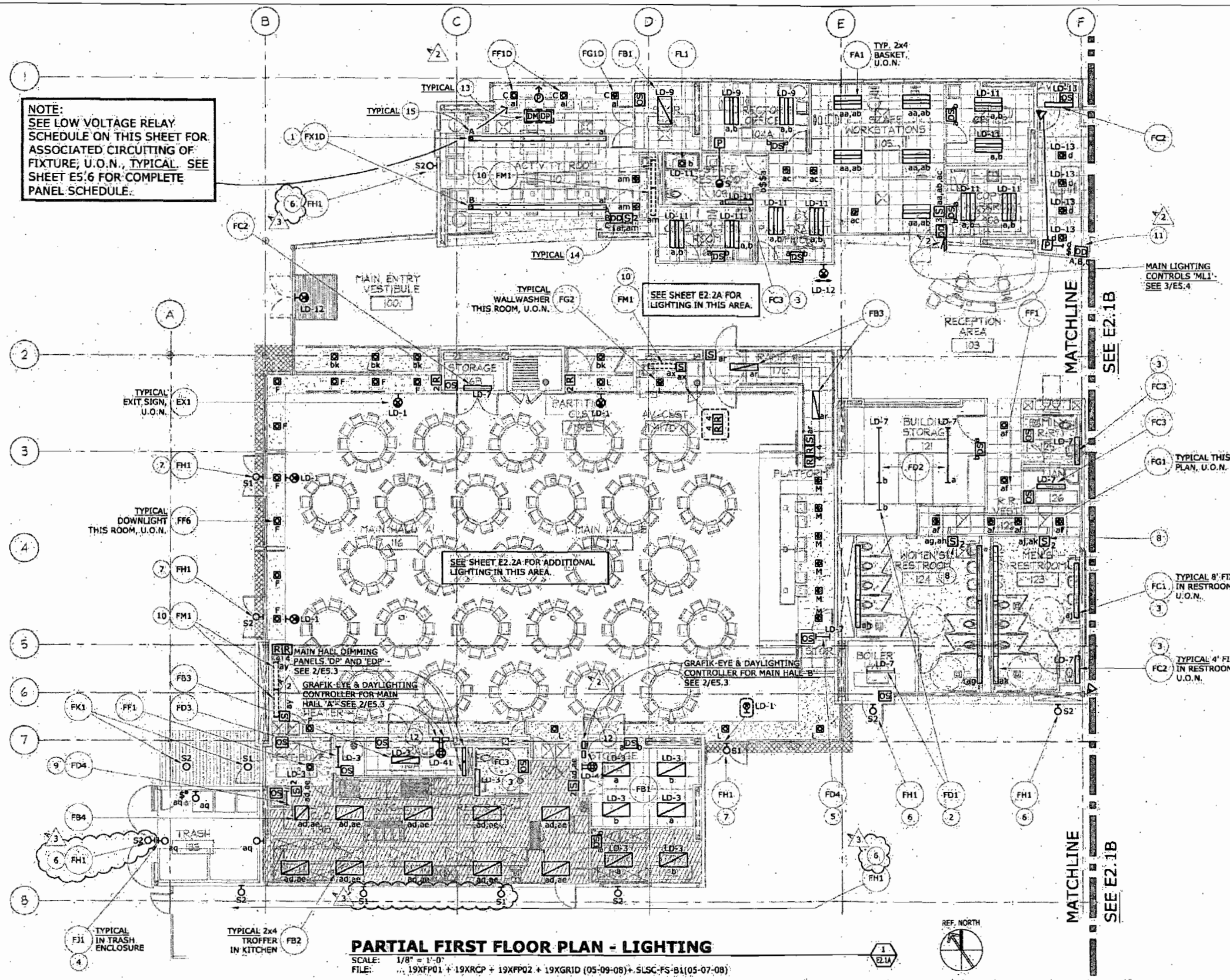
DESIGNED BY _____ DATE _____
DRAWN BY _____ DATE _____
PROJECT MGR. _____ DATE _____
TRANS. ADMIN. _____ DATE _____
SENIOR ENGR. _____ DATE _____
APPROVED BY: _____ DATE _____
CITY ENGINEER, R.C.E. No. 34870

CITY OF SAN LEANDRO

SAN LEANDRO SENIOR COMMUNITY CENTER

INTERIOR
CASEWORK DETAILS

A9.11
SHEET 149 OF 310
JOB NO. 06-210-18-116
SCALE _____
DWG. 3281 CASE 901



PARTIAL FIRST FLOOR PLAN - LIGHTING

SCALE: 1/8" = 1'-0"
FILE: ...19XFP01 + 19XRCP + 19XFP02 + 19XGRID (05-09-08)+ SLSC-FS-B1(05-07-08)

GENERAL SHEET NOTES

A. EMERGENCY LIGHTING WILL BE SERVED BY A GENERATOR.

NUMBERED SHEET NOTES

1. PENDANT MOUNTED AT 8'-0" A.F.F.
2. COORDINATE LOCATION WITH MECHANICAL CONTRACTOR.
3. WALL MOUNTED AT 7'-0" A.F.F.
4. WALL MOUNTED AT 8'-0" A.F.F.
5. WALL MOUNTED ABOVE DOOR HEADER.
6. WALL MOUNTED AT 8'-0" A.F.F. TO BOTTOM OF LUMINAIRE.
7. WALL MOUNTED AT 10'-0" A.F.F. TO BOTTOM OF LUMINAIRE.
8. PROGRAM THIS SWITCH TO TURN LIGHTS 'ON' ONLY.
9. MOUNT ON WALL ABOVE DOOR.
10. UNDERCABINET LIGHT - SEE DETAIL 4/E7.6.
11. VERIFY EXACT LOCATION OF SWITCH BANK WITH ARCHITECT PRIOR TO ROUGH-IN.
12. PROVIDE FOURPLEX OUTLET FOR GRAFIK-EYE INTERFACE.
13. MOUNT DIMMING MODULE AND DIMMING POWER PACK IN A WATTSTOPPER #LS-E12 ENCLOSURE ABOVE ACCESSIBLE CEILING.
14. DAYLIGHTING DIMMER WALL SWITCH, TYPICAL. ADJACENT LETTERS INDICATE SEPARATLEY CONTROLLED DAYLIGHTING ZONES.
15. INDICATES DAYLIGHTING CONTROL ZONE.

LV RELAY LTG CONTROL PNL LCP1

ZONE/SWITCH DESIGNATION	RELAY NO.	LINE VOLTAGE CIRCUIT	LOAD VA	ROOM NAME / FIXTURE TYPE
aa	1	LD-12	195	STAFF WORKSTATIONS
ab	2	LD-12	195	STAFF WORKSTATIONS
ac	3	LD-12	129	STAFF WORKSTATIONS
ad*	4	LD-1	685	KITCHEN
ae*	5	LD-1	370	KITCHEN
af*	6	LD-5	258	RESTROOM VESTIBULE
ag*	7	LD-5	187	WOMENS RESTROOM
ah*	8	LD-5	113	WOMENS RESTROOM
aj*	9	LD-5	74	MENS RESTROOM
ak*	10	LD-5	187	MENS RESTROOM
al	11	LD-10	909	ACTIVITY ROOM PENDANT
am	12	LD-10	164	ACTIVITY ROOM TASK
an	13			SPARE
ap	14			SPARE
aq	15	LD-3	129	TRASH
ar	16	LD-7	148	MAIN HALL RAMP
as*	17	LD-2	1406	ARTS AND CRAFTS
at	18			ARTS AND CRAFTS
au*	19	LD-4	974	EXERCISE
av*	20	LD-6	1332	EXERCISE
aw	21	LD-8	592	MEZZANINE LIGHTS
ax	22	LD-7	99	MAIN HALL TASK
ay	23	LD-7	74	MAIN HALL TASK
az	24	LD-2	59	ARTS AND CRAFTS TASK
ba	25	LD-10	570	MAIN ENTRY WEST PENDANTS
bb*	26	LD-12	348	MAIN ENTRY WEST DOWNLIGHTS
bc*	27	LD-12	240	RECEPTION AREA DOWNLIGHTS
bd	28	LD-14	385	RECEPTION AREA WALLWASHER
be	29	LD-14	385	RECEPTION AREA WALLWASHER
bf	30	LD-16	570	LOUNGE AREA PENDANTS
bg*	31	LD-18	812	LOUNGE AREA DOWNLIGHTS
bh	32	LD-16	432	LOUNGE AREA DECORATIVE PENDANTS
bj	33	LD-16	129	EXERCISE VESTIBULE
bk	34	LD-10	172	MAIN ENTRY SOFFIT
bl*	35	LD-12	348	MAIN ENTRY WEST DOWNLIGHTS - NL
bm*	36	LD-18	348	LOUNGE AREA DOWNLIGHTS
bn	37			SPARE
bp	38			SPARE
bq	39			SPARE
br	40			SPARE
S8	41	LD-35	200	FLAGPOLE LIGHTS
S7	42	LD-37	172	EXTERIOR SIGN LIGHTS
S6	43	LD-37	350	GARDEN BOLLARDS
S5	44	LD-35	740	SITE BOLLARDS
S4	45	LD-35	200	WALKWAY POST TOP
S3	46	LD-35	200	WALKWAY POST TOP
S2*	47	LD-33	973	EXTERIOR BUILDING LIGHTS
S1*	48	LD-31	605	EXTERIOR BUILDING LIGHTS

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CITY OF SAN LEANDRO INCORPORATED 1872

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NO.	DATE	REVISION
1	05/19/08	BID SET
2	06/17/08	ADDENDUM 1
3	06/25/08	ADDENDUM 2
4	07/11/08	ADDENDUM 3
5	-	-

DESIGNED BY: _____ DATE: _____
DRAWN BY: _____ DATE: _____
PROJECT MGR. _____ DATE: _____
TRANS. ADMIN. _____ DATE: _____
SENIOR ENGR. _____ DATE: _____
APPROVED BY: _____ DATE: _____
CITY ENGINEER, R.C.E. No. 34670

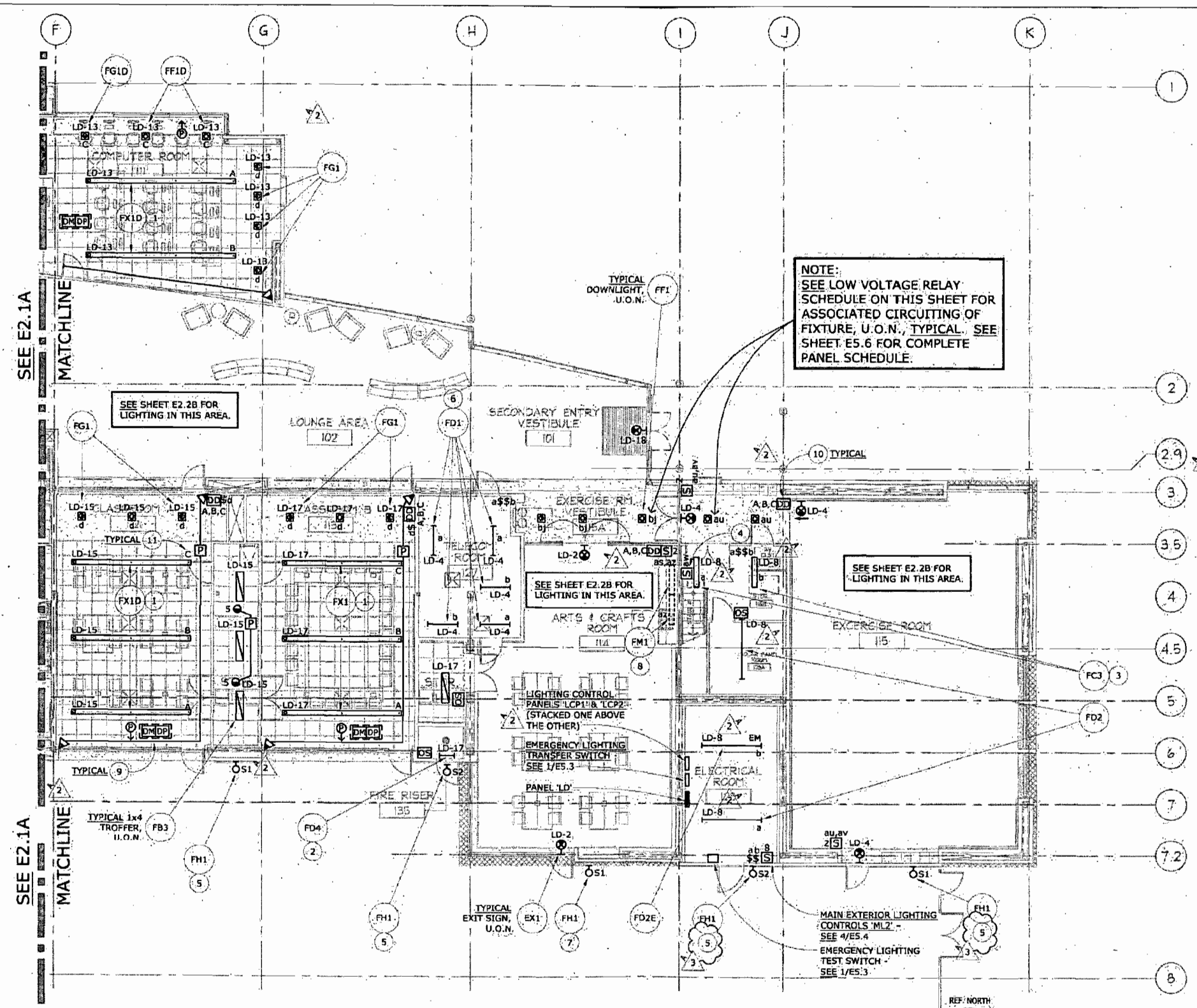
CITY OF SAN LEANDRO

SAN LEANDRO SENIOR COMMUNITY CENTER

PARTIAL FIRST FLOOR PLAN - LIGHTING

E2.1A

SHEET 228 OF _____
JOB NO. 06-210-18-116
SCALE AS NOTED
DWG. 3360 CASE 901



PARTIAL FIRST FLOOR PLAN - LIGHTING

SCALE: 1/8" = 1'-0"
FILE: .:. 19XFP01 + 19XRCP + 19XFP02 + 19XGRID (05-09-08)+ SLSC-FS-B1(05-07-08)

(1 / E2.1B)

GENERAL SHEET NOTES

A. EMERGENCY LIGHTING WILL BE SERVED BY A GENERATOR.

NUMBERED SHEET NOTES

1. PENDANT MOUNTED AT 8'-0" A.F.F.
2. MOUNT ON WALL ABOVE DOOR HEADER.
3. SURFACE MOUNTED TO UNDERSIDE OF DECK CEILING.
4. LABEL SWITCH 'UPPER MEZZANINE LIGHTS'. SEE E2.2B FOR LIGHTING LAYOUT.
5. WALL MOUNTED AT 8'-0" A.F.F. TO BOTTOM OF LUMINAIRE.
6. VERIFY EXACT LOCATION WITH A/V CONTACTOR.
7. WALL MOUNTED AT 10'-0" A.F.F. TO BOTTOM OF LUMINAIRE.
8. UNDERCABINET LIGHT - SEE DETAIL 4/E7.6. (2)
9. MOUNT DIMMING MODULE AND DIMMING POWER PACK IN A WATTSTOPPER #LS-E12 ENCLOSURE ABOVE ACCESSIBLE CEILING.
10. DAYLIGHTING DIMMER WALL SWITCH, TYPICAL. ADJACENT LETTERS INDICATE SEPARATELY CONTROLLED DAYLIGHTING ZONES.
11. INDICATES DAYLIGHTING CONTROL ZONE.

LV RELAY LTG CONTROL PNL LCP1

ZONE/SWITCH DESIGNATION	RELAY NO.	LINE VOLTAGE CIRCUIT	LOAD VA=	ROOM NAME / FIXTURE TYPE
aa*	1	LD-12	195	STAFF WORKSTATIONS
ab	2	LD-12	193	STAFF WORKSTATIONS
ac	3	LD-12	129	STAFF WORKSTATIONS
ad*	4	LD-1	685	KITCHEN
ae*	5	LD-1	370	KITCHEN
af*	6	LD-5	258	RESTROOM VESTIBULE
ag*	7	LD-5	187	WOMENS RESTROOM
ah*	8	LD-5	113	WOMENS RESTROOM
aj*	9	LD-5	74	MENS RESTROOM
ak*	10	LD-5	187	MENS RESTROOM
al	11	LD-10	909	ACTIVITY ROOM PENDANT
am	12	LD-10	164	ACTIVITY ROOM TASK
an	13			SPARE
ap	14			SPARE
aq	15	LD-3	129	TRASH
ar	16	LD-7	148	MAIN HALL RAMP
as*	17	LD-2	1406	ARTS AND CRAFTS
at	18			ARTS AND CRAFTS
au*	19	LD-4	974	EXERCISE
av*	20	LD-6	1332	EXERCISE
aw	21	LD-8	592	MEZZANINE LIGHTS
ax	22	LD-7	39	MAIN HALL TASK
ay	23	LD-7	74	MAIN HALL TASK
az	24	LD-2	59	ARTS AND CRAFTS TASK
ba	25	LD-10	570	MAIN ENTRY WEST PENDANTS
bb*	26	LD-12	348	MAIN ENTRY WEST DOWNLIGHTS
bc*	27	LD-12	240	RECEPTION AREA DOWNLIGHTS
bd	28	LD-14	385	RECEPTION AREA WALLWASHER
be	29	LD-14	385	RECEPTION AREA WALLWASHER
bf	30	LD-16	570	LOUNGE AREA PENDANTS
bg*	31	LD-18	812	LOUNGE AREA DOWNLIGHTS
bh	32	LD-16	432	LOUNGE AREA DECORATIVE PENDANTS
bj	33	LD-16	129	EXERCISE VESTIBULE
bk	34	LD-10	172	MAIN ENTRY SOFFIT
bl*	35	LD-12	348	MAIN ENTRY WEST DOWNLIGHTS - NL
bm*	36	LD-18	348	LOUNGE AREA DOWNLIGHTS
bn	37			SPARE
bp	38			SPARE
bq	39			SPARE
br	40			SPARE
S8	41	LD-35	200	FLAGPOLE LIGHTS
S7	42	LD-37	172	EXTERIOR SIGN LIGHTS
S6	43	LD-37	360	GARDEN BOLLARDS
S5	44	LD-35	740	SITE BOLLARDS
S4	45	LD-35	200	WALKWAY POST TOP
S3	46	LD-35	200	WALKWAY POST TOP
S2*	47	LD-33	973	EXTERIOR BUILDING LIGHTS
S1*	48	LD-31	605	EXTERIOR BUILDING LIGHTS

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CITY OF SAN LEANDRO

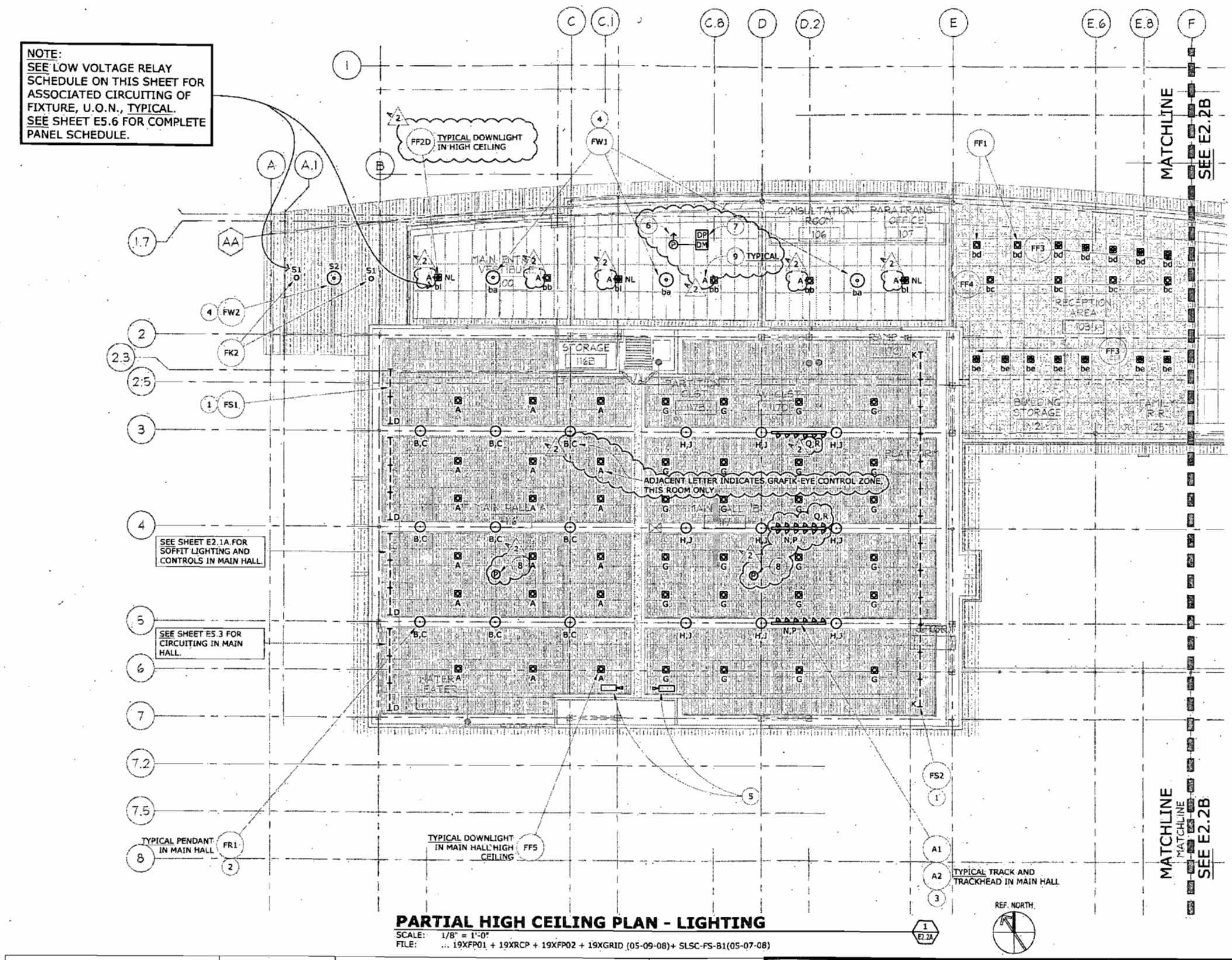
DESIGNED BY: _____ DATE: _____
DRAWN BY: _____ DATE: _____
PROJECT MGR.: _____ DATE: _____
TRANS ADMIN.: _____ DATE: _____
SENIOR ENGR.: _____ DATE: _____
APPROVED BY: _____ DATE: _____
CITY ENGINEER, R.C.E. No. 34870

SAN LEANDRO SENIOR COMMUNITY CENTER

PARTIAL FIRST FLOOR PLAN - LIGHTING

E2.1B

SHEET 229 OF _____
JOB NO. 06-210-18-116
SCALE AS NOTED
DWG. 3361 CASE 901



PARTIAL HIGH CEILING PLAN - LIGHTING

SCALE: 1/8" = 1'-0"
FILE: ... 19XFP01 + 19XRCP + 19XFP02 + 19XGRID (05-09-08)+ SLSC-FS-B1(05-07-08)

1 / E2.2A

GENERAL SHEET NOTES

A. EMERGENCY LIGHTING WILL BE SERVED BY A GENERATOR.

B. COORDINATE EXACT LUMINAIRE LOCATIONS AT THE HIGH ROOF WITH THE CEILING CONTRACTOR. VERIFY WITH ARCHITECT.

NUMBERED SHEET NOTES

1. MOUNTED ABOVE WALL.
2. MOUNTED AT VARIOUS HEIGHTS. S.A.D.
3. MOUNTED BETWEEN CEILING PANELS.
4. S.A.D. FOR MOUNTING HEIGHTS.
5. DIMMING SYSTEM PARTITION SENSOR - SEE 2/E5.3.
6. MOUNT DAYLIGHT CONTROL PHOTOCELL ON ROOF IN WEATHERPROOF BOX, PASS & SEYMOUR # WPB23 WITH #3703 U.V. STABILIZED POLYCARBONATE LENS. VERIFY WITH MANUFACTURER FOR INSTALLATION INSTRUCTIONS. CONNECT PHOTOCELL TO CONTROLLER AND POWER PACK. SEE DETAIL 3/E5.6. THE DAYLIGHT CONTROLLER SHALL CONTROL INTERIOR LIGHTS AS FOLLOWS:
   CONTROLLER ZONE 1: DOWNLIGHTS ON RELAYS 'bb and 'bl'.
   CONTROLLER ZONE 2: DOWNLIGHTS ON RELAYS 'bg' AND 'bm'.
   (SHOWN ON E2.2B).
7. MOUNT DAYLIGHTING DIMMING CONTROL MODULE AND DAYLIGHTING POWER PACK IN A WATTSTOPPER #LS-E12 ENCLOSURE ABOVE ACCESSIBLE CEILING AND CONNECT COMPLETE TO DAYLIGHTING PHOTOCELL ON ROOF. SEE NOTE 6.
8. CEILING MOUNTED DAYLIGHT SENSOR USED IN CONJUNCTION WITH GRAFIK-EYE DIMMING CONTROLS; LUTRON # MW-PS-WH. SEE 2/E5.3.
9. INDICATES DAYLIGHTING CONTROL ZONE.

2 / E2.2A

LV RELAY LTG CONTROL PNL LCP1

ZONE/SWITCH DESIGNATION	RELAY NO.	LINE VOLTAGE CIRCUIT	LOAD VA	ROOM NAME / FIXTURE TYPE
aa	1	LD-12	195	STAFF WORKSTATIONS
ab	2	LD-12	195	STAFF WORKSTATIONS
ac	3	LD-12	129	STAFF WORKSTATIONS
ad*	4	LD-1	685	KITCHEN
ae*	5	LD-1	370	KITCHEN
af*	6	LD-5	258	RESTROOM VESTIBULE
ag*	7	LD-5	187	WOMENS RESTROOM
ah*	8	LD-5	113	WOMENS RESTROOM
aj*	9	LD-5	74	MENS RESTROOM
ak*	10	LD-5	187	MENS RESTROOM
al	11	LD-10	909	ACTIVITY ROOM PENDANT
am	12	LD-10	164	ACTIVITY ROOM TASK
an	13			SPARE
ap	14			SPARE
aq	15	LD-3	129	TRASH
ar	16	LD-7	148	MAIN HALL RAMP
as*	17	LD-2	1406	ARTS AND CRAFTS
at	18			ARTS AND CRAFTS
au*	19	LD-4	974	EXERCISE
av*	20	LD-6	1332	EXERCISE
aw	21	LD-8	592	MEZZANINE LIGHTS
ax	22	LD-7	39	MAIN HALL TASK
ay	23	LD-7	74	MAIN HALL TASK
az	24	LD-2	59	ARTS AND CRAFTS TASK
ba	25	LD-10	570	MAIN ENTRY WEST PENDANTS
bb*	26	LD-12	348	MAIN ENTRY WEST DOWNLIGHTS
bc*	27	LD-12	240	RECEPTION AREA DOWNLIGHTS
bd	28	LD-14	385	RECEPTION AREA WALLWASHER
be	29	LD-14	385	RECEPTION AREA WALLWASHER
bf	30	LD-16	570	LOUNGE AREA PENDANTS
bg*	31	LD-18	812	LOUNGE AREA DOWNLIGHTS
bh	32	LD-16	432	LOUNGE AREA DECORATIVE PENDANTS
bj	33	LD-16	129	EXERCISE VESTIBULE
bk	34	LD-10	172	MAIN ENTRY SOFFIT
bl*	35	LD-12	348	MAIN ENTRY WEST DOWNLIGHTS - NL
bm*	36	LD-18	348	LOUNGE AREA DOWNLIGHTS
bn	37			SPARE
bp	38			SPARE
bq	39			SPARE
br	40			SPARE
S8	41	LD-35	200	FLAGPOLE LIGHTS
S7	42	LD-37	172	EXTERIOR SIGN LIGHTS
S6	43	LD-37	360	GARDEN BOLLARDS
S5	44	LD-35	740	SITE BOLLARDS
S4	45	LD-35	200	WALKWAY POST TOP
S3	46	LD-35	200	WALKWAY POST TOP
S2*	47	LD-33	973	EXTERIOR BUILDING LIGHTS
S1*	48	LD-31	605	EXTERIOR BUILDING LIGHTS

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SAN LEANDRO SENIOR COMMUNITY CENTER

PARTIAL HIGH CEILING PLAN - LIGHTING

E2.2A

SHEET 230 OF _____
JOB NO. 06-210-18-116
SCALE AS NOTED
DWG. 3362 CASE 901