tefer to Specification Section 01515 - Construction Waste Management tefer to Specification Section 01515 - Construction Waste Management Refer to Specification Section 01400 - Project custainability Requirements	
Refer to M11.1B for minimum OSA quantities. Specification Section 15900. Smoking banned indoors Refer to M13.0B for CO ₂ sensors in Conference Rooms Refer to M11.4B specifications Refer to M11.4B specifications Refer to Specification Section 01400 - Project Sustainability Requirements Refer to Specification Section 01400 - Project Sustainability Requirements Refer to Specification Section 01400 - Project Sustainability Requirements Refer to Specification Section 01400 - Project Sustainability Requirements Refer to Specification Section 01400 - Project	

LIVERMORE

Points Sustainable Sites (14 points total)

1 Development Density & Community Connectivity

Alternative Transportation, Parking Capacity

Site Development, Protect or Restore Habitat

1 Site Development, Maximize Open Space

Stormwater Design, Quantity Control

Stormwater Design, Quality Control

Credit 1.1 | Building Reuse, Maintain 75% of Existing Walls, Floors & Roof

Credit 4.2 1 Recycled Content, 20% (post-consumer + ½ pre-consumer)

Minimum IAQ Performance

Prereg 2 Required Environmental Tobacco Smoke (ETS) Control

1 Outdoor Air Delivery Monitoring

Credit 3.1 1 Construction IAQ Management Plan, During Construction

Credit 3.2 1 Construction IAQ Management Plan, Before Occupancy

Low-Emitting Materials, Adhesives & Sealants

Low-Emitting Materials, Composite Wood & Agrifiber Products

Low-Emitting Materials, Paints & Coatings

Low-Emitting Materials, Carpet Systems

1 Indoor Chemical & Pollutant Source Control

1 Controllability of Systems, Thermal Comfort

1 Controllability of Systems, Lighting

1 Increased Ventilation

Credit 7.1 1 Thermal Comfort, Design

Credit 1.3 1 Building Reuse, Maintain 50% of Interior Non-Structural Elements

1 Building Reuse, Maintain 100% of Existing Walls, Floors & Roof

Construction Waste Management, Divert 50% from Disposal

Construction Waste Management, Divert 75% from Disposal

Recycled Content, 10% (post-consumer + ½ pre-consumer)

1 Regional Materials, 20% Extracted, Processed & Manufactured Regionally

Indoor Environmental Quality (15 points total)

Credit 5.1 1 Regional Materials, 10% Extracted, Processed & Manufactured Regionally

Heat Island Effect, Non-Roof

ight Pollution Reduction

1 Heat Island Effect, Roof

Avenue

Credit 3.1 1 Materials Reuse, 5%

Credit 7 1 Certified Wood

1 Materials Reuse, 10%

Credit 6 1 Rapidly Renewable Materials

1 Alternative Transportation, Public Transportation Access

1 Alternative Transportation, Bicycle Storage & Changing Rooms

1 Alternative Transportation, Low-Emitting & Fuel-Efficient Vehicles

LEED for New Construction v2.2

Community and Cultural Center Phase 1

Site Work and Building C Administration

Worksheet Project Name: Hindu

Building Address: 1200 Arrowhead

Avenue

Prereg 1 Required Construction Activity Pollution Prevention

Credit 4.3

Credit 4.4

Credit 6.1

Credit 6.2

Credit 7.2

Credit 7.1

Credit 2.1

Credit 2.2

LEED for New Construction v2.2

Community and Cultural Center Phase 1

Site Work and Building C Administration

Worksheet Project Name: Hindu

Building Address: 1200 Arrowhead

Note: Do not alter printed information. Complete proposed points and plan sheet/detail number columns.

Plan Sheet / Detail No.

erosion control plan.

icycle storage, Sht. L-1.3

ity requirements per the CUP.

iht. L-1.2 for existing landscape

Sht. CE-7 for storm water control plan and CE-8

onditions/aerial image demonstrating that site is

nfill on previously developed/disturbed land.

ht. CE-3: 5% of preferred parking stalls

signed to low-emitting and fuel-efficient

ht. CE-3: 5% of preferred parking spaces ssigned to carpools / vanpools. Parking

etated area calculations, Sht. L-1.4

pacity on site meets, but does not exceed, the

E-7; BAHM Calculations already submitted to

E-7: Draft Maintenance Agreement submitted.

ee Specification Section 07530 Thermoset

Sht. L-3.1: Photometric diagrams and

Refer to E13.0B for the lighting controls.

ustainability Requirements

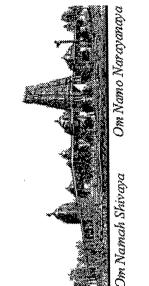
Refer to M13.0B & M11.4B

Smoking banned indoors

in jui	Storage 8	wer als and Resources (13 points total) Collection of Recyclables	R	cor	it. A-2B shows designated area for recycling intainers for paper, corrugated cardboard, ass, plastics and metals
rerequisites and possible points	Wor Com Site	D for New Construction v2.2 ksheet Project Name: Hindu munity and Cultural Center Phase Work and Building C Administration and Address: 1200 Arrowhead nue	on	ndicate Total Proposed Points	
1	Therma	Comfort, Verification		0	
1	00000000 00000000000000000000000000000	& Views, Daylight 75% of Spaces		0	
oi:		& Views, Views for 90% of Spaces /ation & Design Process (5 points total)		0	
91		on in Design: Onsite Composting Facility		1	Onsite composting facility
4		on in Design: Interactive educational kiosk		4	Interactive educational kiosk for temple visitor
1		on in Design: Indicate Specific Title		0	on sustainability principles ingrained in Hindu
1		on in Design: Indicate Specific Title		0	
1	LEED®	Accredited Professional		1	Kuppe G. Srinivas, P.E., LEED AP, principal member of project team
	Total	Proposed Points	T	27	
	Total	Achived Points (For Staff Use)			
ln	-	Achived Points (For Staff Use) Notes (For Staff Use)			

FOR REFERENCE ONLY.

05-24-10 HCCC 08-06-10 BPC 10-07-10 10-12-10 BPC



COMIMUI 1200 ARRO HINDU

No. S3250

Exp. [2/31/201] Followindness/

Phase 1-B Permit Set

03/12/10

DRAWN BY:

PROJECT:

ARROWHEAD



Security Ordinance

Livermore Municipal Code Section 15.18

These are excerpts from the Livermore Municipal Code section 15.18 relating to security standards (commonly known as the Security Code) provided by the Police Department in an effort to avoid any misunderstanding regarding our security requirements. *Please note: these are only excerpts and do not include all the codes. If you have any questions regarding these codes, or have special concerns not covered, please contact the Livermore Police Department Crime Prevention Unit at 371-4797 or fax 371-4707.

Commercial and Industrial Units

Section 15.18.010 Purpose:

The purpose of this chapter is to provide a minimum level or resistance to unlawful entry to buildings by establishing minimum standards of design and maintenance of certain security equipment within the city. The provisions of this chapter are not intended to prevent the use of any material, device, hardware or method not specifically prescribed in this chapter, when such alternate provides equivalent security and is approved by the Police Department.

Section 15.18.080 Exterior Doors

Each exterior door shall be secured as follows, where not prohibited by the building code:

- Single doors shall be equipped with a single cylinder dead bolt with a tumpiece with a minimum throw of one inch. A hook or expanding bolt may have a throw of three-quarters inch. A dead bolt must contain an insert of hardened steel to resist attempts at cutting
- On pairs of doors, the active leaf shall be equipped with the type lock required for a single door as in subsection (A) above. The inactive leaf shall be equipped with flush bolts protected by hardened material, with a minimum throw of five-eighth inch at the top and
- bottom. Cylinders shall be so designed or protected with cylinder guards, that they cannot be
- gripped by pliers or other wrenching devices. Rolling overhead doors, solid overhead swinging, sliding or accordion-type doors shall be equipped with a cylinder lock or padlock when not controlled by electric rower operation.

Information	Bulletin	IB-43	(Updated	08/01/08

Permit Center

Community Development Department 1052 South Livermore Avenue

(925) 960-4410 (925) 960-4419 (925) 960-4104 TININ.

be of hardened steel or have hardened steel inserts. The lock bolt shall engage the strike sufficiently to prevent its being disengaged by any possible movement of the door within the space or clearances provided for installation and operation. If a padlock is used it shall have a minimum of one-quarter-inch diameter hardened steel shackle and hardened steel hasp attached by bolts which are non-removable from the exterior. Outside pin-type hinges on all exterior doors shall be provided with non-removable pins

Mounting screws for the lock case shall be inaccessible from the outside. A lock bolt shall

and shall have jamb pins which project through both hinge leaves and prevent removal of the door if the pin is removed from the hinge. Jamb pins shall be not less than threesixteenths-inch diameter steel and shall project into the door and jamb not less than onequarter inch. Jamb pins are not required for hinges which are shaped to prevent removal of the door when the hinge pin is removed.

- Glazed panels in doors or adjacent to the doorframe shall be of approved, burglaryresistant material. *Note: A double cylinder deadbolt lock may be installed in-lieu of security glazing. Signage must accompany this installation: (Door must remain unlocked during business hours) Doorjambs shall be constructed or protected to prevent violation of the function of the
- Exterior doors shall be illuminated with a minimum of one footcandle of light at the door. Lights shall be protected from breakage or tampering.

Section 15.18.085 Loading/Unloading Docks, Shipping/Receiving Areas

- Exterior loading and unloading docks and shipping and receiving areas are not allowed. Such areas may not extend outward past the exterior walls of the building.
- Such areas shall be designed so that cargo vehicles may be maneuvered to the door opening and cargo moved directly between the vehicle and the building, thus minimizing the opportunity for theft.
- Doors to these areas shall be flush-mounted to eliminate the possibility of goods or persons being secreted in recessed doorways.

Section 15.18.100 Other Openings

Each other type of opening shall be secured as follows, where not prohibited by the building code: Exterior transoms, with any dimension exceeding twelve inches, shall be of approved

- burglary-resistant material. All skylights on the roof of any building or premises used for business purposes shall be
- Steel bars of at least one-half inch round or one by one-fourth inch flat, spaced not more than five inches apart, cross-braced to prevent spreading, mounted inside the skylight, and secured by non-removable bolts; or
 - A steel grille of at least one-eighth inch metal with a maximum two-inch mesh mounted inside the skylight and secured by non-removable bolts; or
 - Skylights which are integrally constructed in such a manner as to provide equivalent security protection to that provided by the opening protection indicated in items 1 or 2 above shall not be required to provide additional bars or grilles, provided that such integrally constructed skylight, or any component of it, shall not be openable from the exterior.

Section 15.18.130 Special Security

- Intrusion Devices. If the enforcing authority determines that the security measures and locking devices described in this chapter do not adequately secure the building, due to special conditions, he may require the installation and maintenance of an intrusion device (burglar alarm system).
- Each establishment listed below, having specific-type inventories, shall be protected by supervised service silent or local alarm (see Chapter 5.12, Alarm Systems, of this code):
 - 1. Art galleries;
 - 2. Camera stores:
 - 3. Clothing stores (new);
 - 4. Coin and stamp stores;
 - 5. Drugstores;
 - 6. Electronic equipment, include musical instruments; 7. Fur stores:
 - 8. Guns and ammunition; 9. Hazardous material, storage or processing;
 - 10. Industrial tool supply houses; 11. Jewelry stores, retail manufacturing, wholesale;
 - 12. Liquor stores;
 - 13. Pawnshops; 14. Office machines (excluding furniture);
 - 15. Precious metal storage
 - 16. Service stations; 17. Wholesale drugs:
 - 18. Wholesale liquor, wine or beer;
 - 19. Wholesale tobacco.

- Hatchways shall be covered on the inside with at least 16-gauge sheet steel or equivalent, and shall be secured from the inside with a slide bar or slide bolt. Outside pin-type hinges shall be provided with non-removable pins. Exposed hinge-screws shall be of the nonremovable type.
- Air duct or air vent openings exceeding eight by twelve inches shall be secured by iron bars of at least one-half inch diameter, or one by one-quarter inch flat material spaced five inches apart and securely fastened, or by a steel grille of at least one-eighth inch material of not more than two-inch mesh and securely fastened. Barriers on the outside shall be secured with round-head flush bolts. (Prior code 6.72)

Section 15.18.110 Ladders

Ladders (excluding fire escapes) located on the exterior of a building, which could provide access to the roof, shall be secured from unauthorized use by covering the rungs with an approved barrier locked in place with a padlock. The padlock shall have a minimum of five pin tumblers and be of casehardened steel. Hinges used shall be of non-removable type. The barrier shall provide a minimum of eight feet of continuous covering extending 12 feet above ground level or to the top of the ladder, whichever is lower (1960 code § 6.73).

Section 15.18.120 Lighting and Parking Areas

The following restrictions as to lighting of commercial building shall apply, where not restricted by the building code:

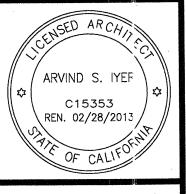
- Open or covered parking areas providing more than 10 parking spaces shall be illuminated with a maintained minimum of one footcandle of light at the parking surface when open for business during the hours of darkness.
- Lighting fixtures shall be so arranged as to disseminate light uniformly over the parking
- Lights shall be protected from breakage or tampering. All lighting shall be private and not substituted with public street lighting to meet the
- requirements of the security code (1960 code § 6.75).

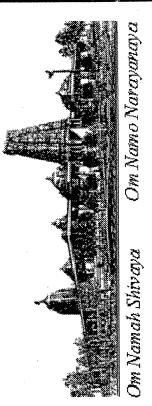
Section 15.18.125 Address Numbers

- All commercial buildings shall display address numerals in such a position that the numerals are easily visible to approaching emergency vehicles.
- Such numerals shall be no less than six inches in height, with a minimum width of one inch, and shall be contrasting color to the background to which they are mounted or attached. During the hours of darkness the numerals shall be illuminated with a maintained minimum of one footcandle of light. In lieu of exterior illumination, the numerals may be backlighted with a fixture which is resistant to tampering and breakage, having an opaque background to which the numerals are mounted.
- The building address must be displayed on the front of the building and shall be mounted
- on a non-moveable surface nearest to the street. Commercial buildings housing more than one address must also display and maintain the address numerals on any rear or side exterior doors facing driveways, parking lots or other vehicle access.

REVISIONS 10-28-11 12-14-11

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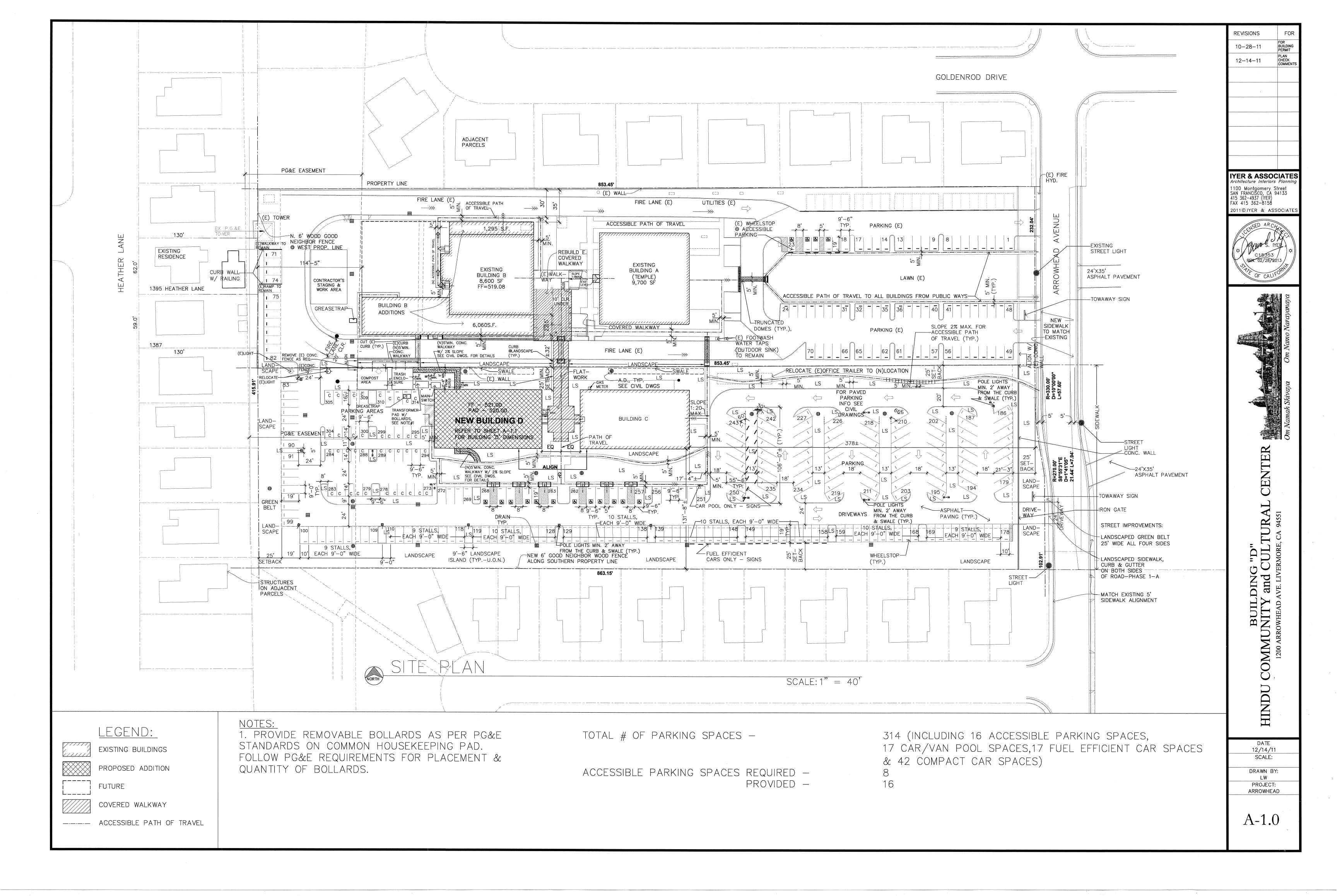
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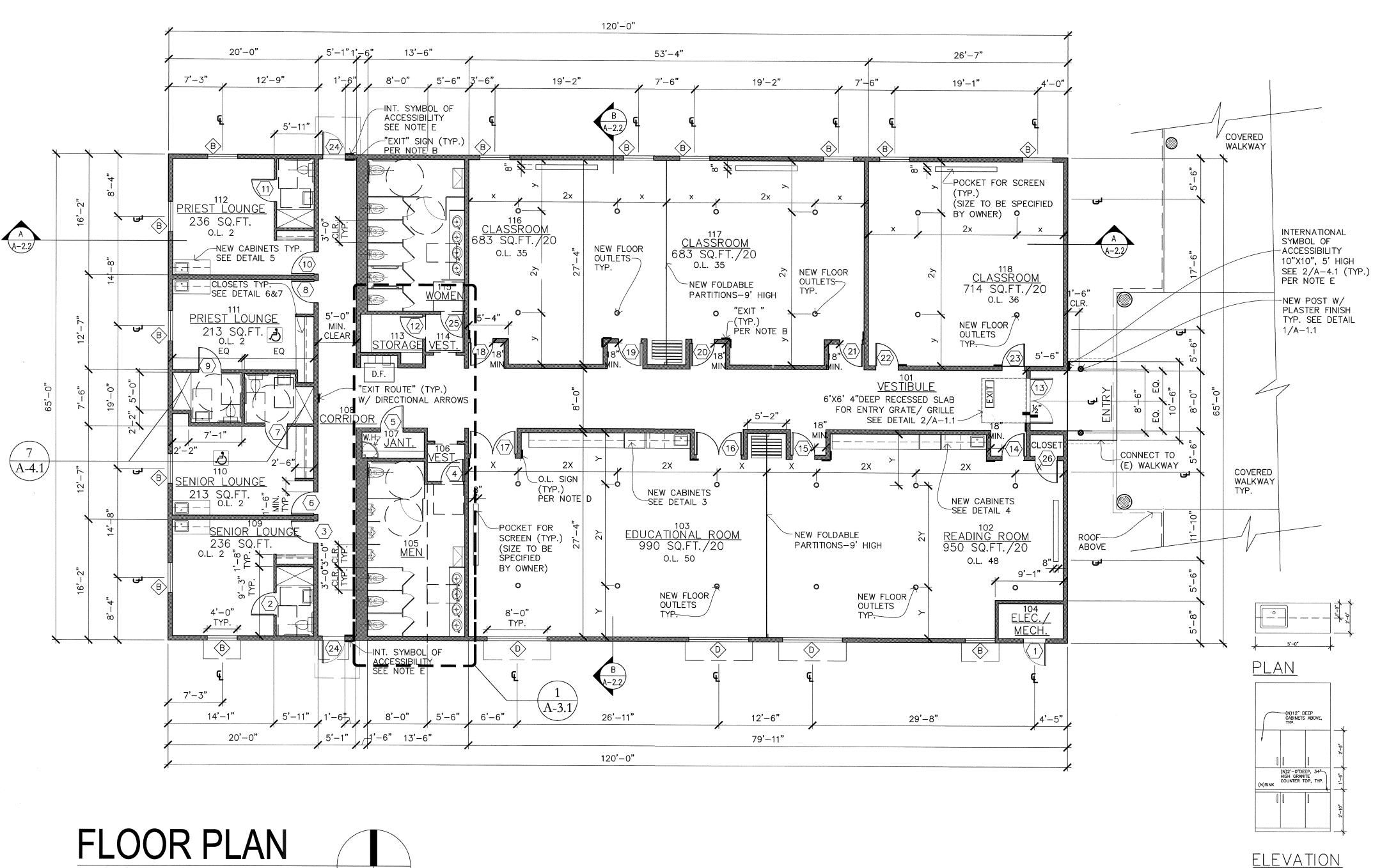
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ARROWHEAD

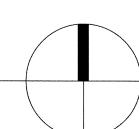
LIVERMORE SECURITY ORDINANCE

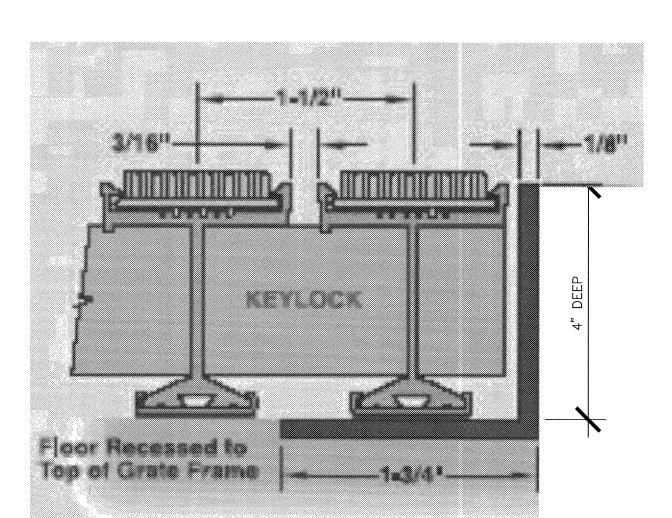
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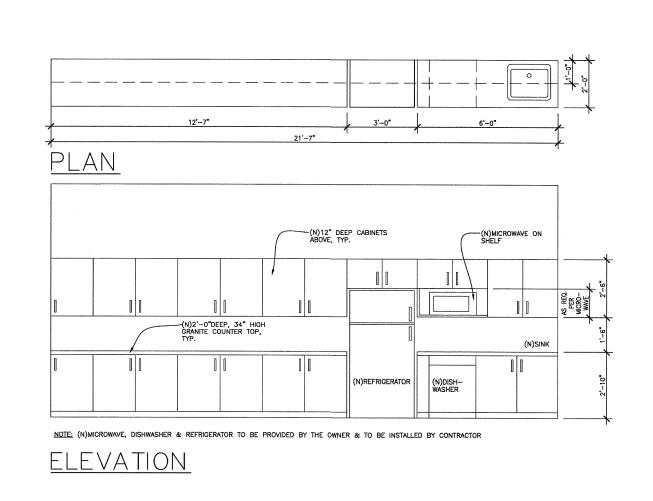




1/8" = 1'-0"

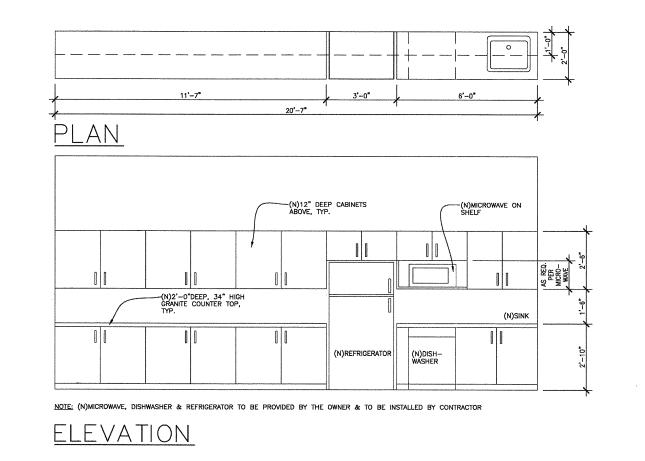






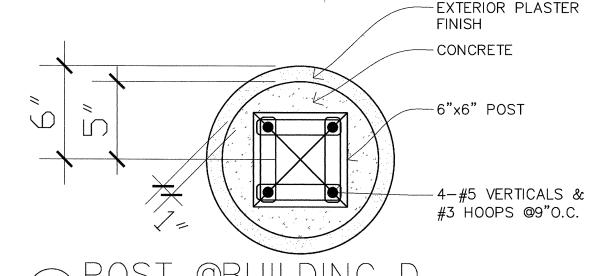
ABINETS IN EDUCATION ROOM

CABINETS IN PRIEST/SENIOR LOUNGE



CABINETS IN READING ROOM
DETAIL

SCALE: 1/4" = 1"



GENERAL NOTES:

ALL WORK SHALL COMPLY WITH THE 2006 INTERNATIONAL BUILDING CODE, 2010 CALIFORNIA BUILDING CODE, 2010 CALIFORNIA ENERGY CODE, 2010 CALIFORNIA PLUMBING CODE, 2010 CALIFORNIA MECHANICAL CODE, 2010 CALIFORNIA ELECTRICAL CODE, 2010 CALIFORNIA MECHANICAL CODE, AND ALL APPLICABLE STATE, COUNTY, AND LOCAL CODES AND STANDARDS. CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE ACTUAL SITE CONDITIONS PRIOR TO BIDDING,

AND FOR ANY UNIQUE CIRCUMSTANCES OR DISCREPANCIES THAT MAY EXIST. 3. DIMENSIONS, UNLESS OTHERWISE SHOWN, ARE TO STUDLINE, ROUGH CONCRETE OR CONCRETE 4. CONTRACTORS SHALL VERIFY ALL DIMENSIONS PRIOR TO THE FABRICATION OF ANY WORK. DO NOT SCALE DRAWINGS, ONLY WRITTEN DIMENSIONS ARE TO BE USED. ANY ERRORS AND/OR DISCREPANCIES

REPORTED, CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DIMENSIONAL INCONSISTENCIES AND PROBABLE REMEDIAL WORK. 5. IN THE EVENT THAT CERTAIN FEATURES OF THE CONSTRUCTION ARE NOT SHOWN, THEN THEIR CONSTRUCTION SHALL BE OF THE SAME CHARACTER AS FOR SIMILAR CONDITIONS WHICH ARE SHOWN

SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT, IN WRITING, IMMEDIATELY. UNLESS

OR CALLED FOR. 6. THE FINISHES FOR THIS PROJECT, INCLUDING BUT NOT LIMITED TO, FLOOR COVERINGS, PAINT, MOULDINGS, LIGHT FIXTURES ETC., ARE THE RESPONSIBILITY OF THE CONTRACTOR. 7. SEPARATE PERMIT SHALL BE OBTAINED FOR ELECTRICAL, HEATING, AND PLUMBING INSTALLATIONS. CONTRACTOR SHALL PROVIDE DESIGN/SCHEMATICS AND PAY REQUIRED PERMIT FEES.

CONTRACTOR SHALL COORDINATE BETWEEN THE VARIOUS TRADES/SUBCONTRACTORS. WHENEVER REQUIRED, CONTRACTOR SHALL OBTAIN OWNER'S APPROVAL, PRIOR TO INSTALLATION OF FIXTURES, HARDWARE, FINISHES, ETC.

10. MATERIALS REMOVED FROM THE SITE SHALL BE DISPOSED OF/ RECYCLED BY THE CONTRACTOR. 11. CONTRACTOR SHALL MAINTAIN COMPLETE STRUCTURAL INTEGRITY AT ALL TIMES AND SHALL PROVIDE ADEQUATE PRECAUTION FOR SAFETY OF PUBLIC LIFE AND PROPERTY. 12. INSTALL SMOKE DETECTORS AS REQUIRED PER CITY, COUNTY.

13. IT SHALL BE ASSUMED THAT ALL SUBCONTRACTORS ARE EXPERIENCED AND THOROUGHLY KNOWLEDGEABLE IN THEIR RESPECTIVE AREAS OF THE CONSTRUCTION INDUSTRY AND SHALL PERFORM IN A RESPONSIBLE MANNER IN ESTABLISHED CONSTRUCTION SEQUENCE, RECOGNIZING THE PRIORITY OF THE CONSTRUCTION DOCUMENTS, DRAWINGS AND DETAILS AND SHALL INFORM THE PRIME CONTRACTOR OF POTENTIAL PROBLEMS WHEN DRAWINGS ARE UNCLEAR OR INCONSISTENT.

14. SUBCONTRACTORS SHALL BE RESPONSIBLE TO NOTIFY THE PRIME CONTRACTOR OF DISCREPANCIES OR CONFLICTS ON THESE CONSTRUCTION DOCUMENTS FOUND DURING BIDDING AND/OR CONSTRUCTION PRIOR TO PERFORMING THE WORK. SUCH DISCREPANCIES SHALL BE RECEIVED EXPEDITIOUSLY AND NOTIFICATION GIVEN TO THE SUBCONTRACTOR EITHER VERBALLY OR IN WRITING AS

APPLICABLE TO THE CONDITION. 15. SUBCONTRACTOR SHALL VERIFY EXISTENCE AND LOCATION OF ALL UTILITY SERVICES AND COORDINATE AS REQUIRED BY EITHER RESPECTIVE AREA OF THE CONSTRUCTION INDUSTRY, NOTIFYING THE PRIME CONTRACTOR OF VARIATIONS OR CONFLICTS. 16. IF NOT SPECIFICALLY DEFINED IN THESE CONSTRUCTION DOCUMENTS, MATERIALS AND/OR

EQUIPMENT SHALL BE IDENTIFIED BY THE SUBCONTRACTOR TO THE PRIME CONTRACTOR WITHIN A REASONABLE TIME TO ALLOW SELECTION, PURCHASE AND DELIVERY, TO PREVENT DELAY OF THE JOB 17. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PERFORM HIS/HER WORK IN CONFORMANCE WITH ALL

APPLICABLE CODES, ORDINANCES AND LIFE SAFETY FEATURES AS REQUIRED BY LOCAL, STATE, OR FEDERAL AUTHORITIES. HE/SHE SHALL VERIFY WITH THE ARCHITECT, IF MODIFICATION OF HIS/HER WORK IS REQUIRED FOR COMPLIANCE. 18. ALL MATERIALS AND/OR EQUIPMENT SHALL BE HANDLED AND INSTALLED PER MANUFACTURER'S

SPECIFICATIONS. 19. ALL COLORS AND/OR COLOR SAMPLES SHALL BE SUBMITTED TO THE PRIME CONTRACTOR WHO WILL CONSULT WITH THE OWNER FOR APPROVAL, BEFORE APPLICATION. 20. WHEN ACCESSIBLE ROUTES OF TRAVEL EXCEED 5% IN ELEVATION CHANGES, A RAMP SHALL BE PROVIDED COMPLYING WITH 2010 C.B.C.SECTION 1120. 21. EXTERIOR STAIRS, IF ANY, AND APPROACHES SHALL BE SLIP RESISTANT PER THE 2010 C.B.C.

22. PAVING TO BE SLOPED A MAXIMUM OF 2% UP TO ACCESSIBLE ENTRANCES TO DOOR THRESHOLD. 23. FIRE-BLOCK CONCEALED SPACES C.B.C. 708.

24. WALKWAYS AND SIDEWALKS ALONG ACCESSIBLE ROUTES OF TRAVEL SHALL BE CONTINUOUSLY ACCESSIBLE, HAVE A MAXIMUM OF 1/2" CHANGES IN ELEVATION AND ARE A MINIMUM OF 48 INCHES IN WIDTH PER 2010 C.B.C. SECTION 1114B. 25. ALL SHOP DRAWINGS SHALL BE REVIEWED AND APPROVED IN WRITING BY PROJECT ARCHITECT/ENGINEER BEFORE THE SUBMITTAL TO THE BUILDING DIVISION. (EX TIE-DOWN SYSTEM).

26. ALL INTERIOR WALL AND CEILING FINISHES SHALL COMPLY WITH C.B.C. TABLE 803.9 FOR FLAME 27. THE INTERIOR WALL AND CEILING FINISH MATERIALS TO HAVE A SMOKE DEVELOPMENT BETWEEN O AND 450 PER C.B.C. SECTION 803.1

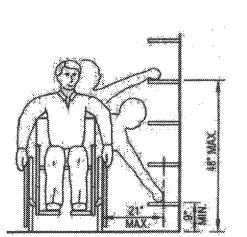
A. PERMANENTLY SIGNED ROOMS AND SPACES MUST BE PROVIDED WITH RAISED LETTER AND BRAILLE IDENTIFICATION SIGNS. SEE 3/A-4.1

B. TACTILE EXIT SIGNS SHALL BE PROVIDED AT GRADE - LEVEL EXTERIOR EXIT DOORS, IDENTIFIED BY A TACTILE EXIT WITH THE WORD, "EXIT". MOUNTING HEIGHT SHALL BE 60"ABOVE THE FINISH FLOOR TO THE CENTER LINE OF THE SIGN, EACH EXIT ACCESS DOOR FROM AN INTERIOR ROOM OR AREA TO A CORRIDOR OR HALLWAY THAT IS REQUIRED TO HAVE A VISUAL EXIT SIGN -"EXIT ROUTE".

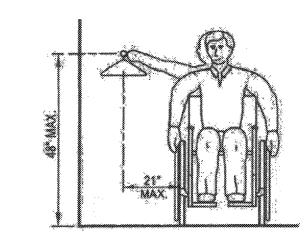
C. SEE SHEET A-4.1 FOR ACCESSIBLE BATHROOM AND RESTROOM TYPICAL DETAILS. D. THE LOCATION OF THE REQUIRED OCCUPANT LOAD SIGN(S) PER C.B.C. SECTION 1004.3. THE POSTED SIGN(S) DESIGN TO BE APPROVED BY THE BUILDING OFFICIAL BEFORE INSTALLING.

E. THE INTERNATIONAL SIGN OF ACCESSIBILITY IS TO COMPLY WITH C.B.C. FIGURE 11B-6 AND SECTION 1117B.5.8.1.1 AND SHALL BE LOCATED AT BUILDING ENTRANCES THAT ARE ACCESSIBLE TO AND USABLE BY PERSON WITH DISABILITIES. C.B.C. 1117B.5.8.1.2.

F. THE MAIN EXTERIOR DOORS SHALL HAVE A READILY VISIBLE DURABLE SIGN POSTED ON THE EGRESS SIDE ON OR ADJACENT TO THE DOOR STATING, "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED." THIS SIGN SHALL BE IN LETTERS 1 INCH HIGH ON A CONTRASTING BACKGROUND. (IN LIEU OF PANIC HARDWARE) ON EXTERIOR DOORS 13 & 24.



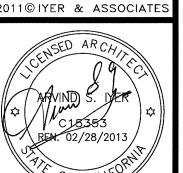
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REVISIONS 10-28-11 12-14-11

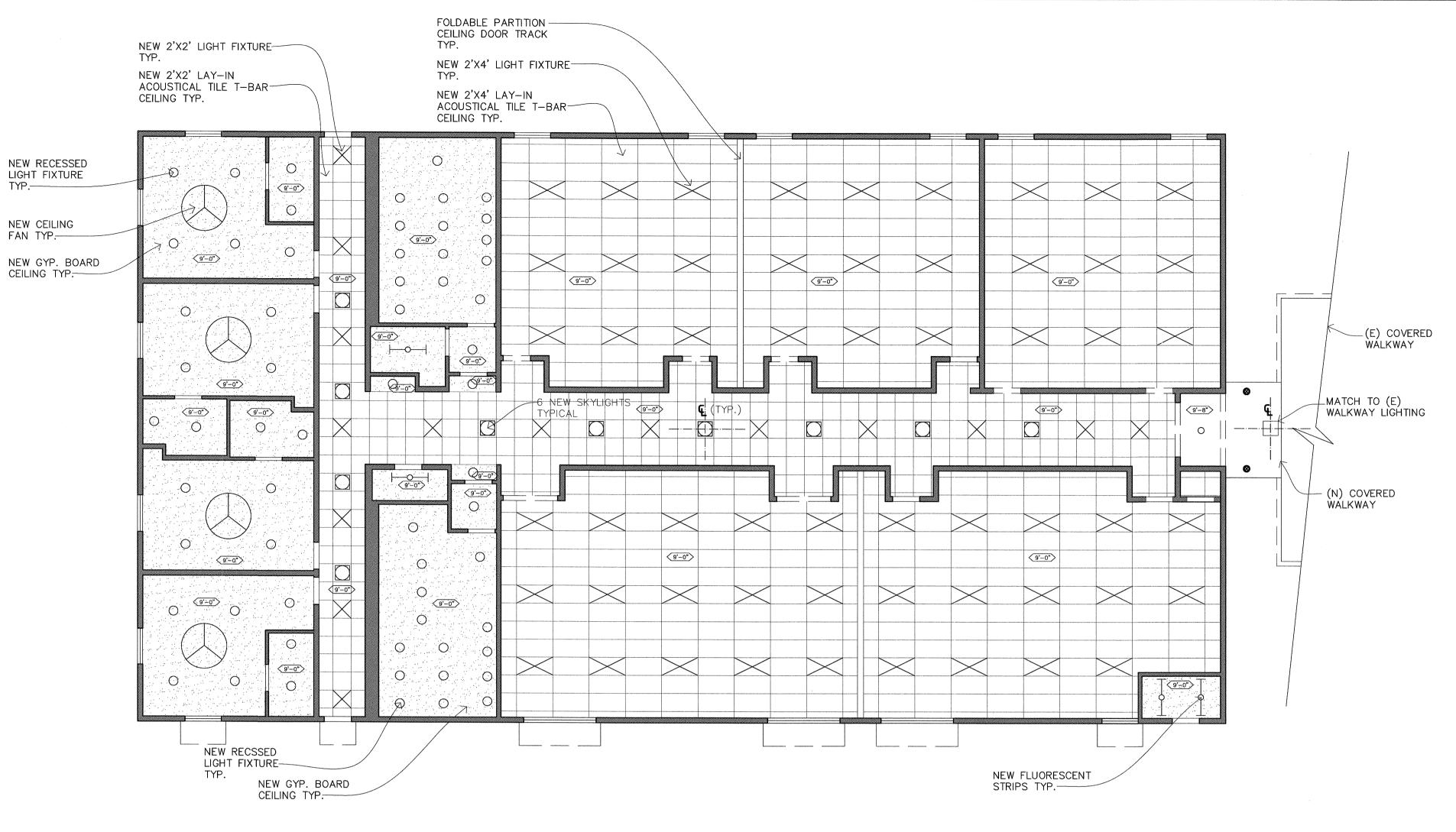
> **IYER & ASSOCIATES** 1100 Montgomery Street SAN FRANCISCO, CA 94133 415 362-4937 (ÍYER) FAX 415 362-8158



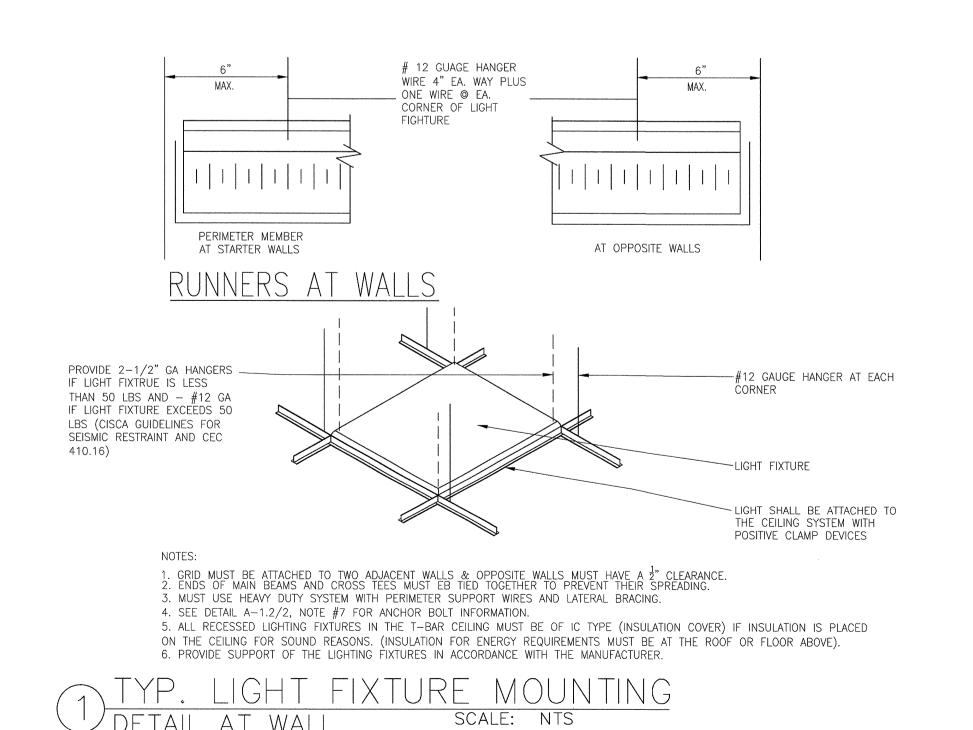
CENT BUILDING "D"
COMMUNITY and CULTURAL
1200 ARROWHEAD AVE. LIVERMORE, CA 94551 HINDU

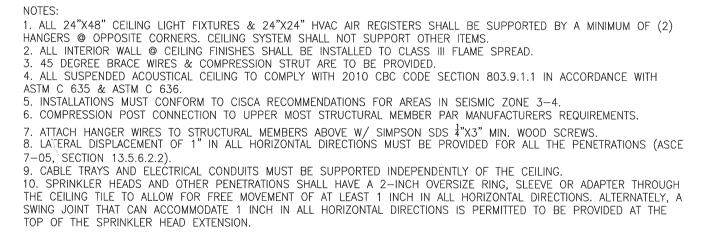
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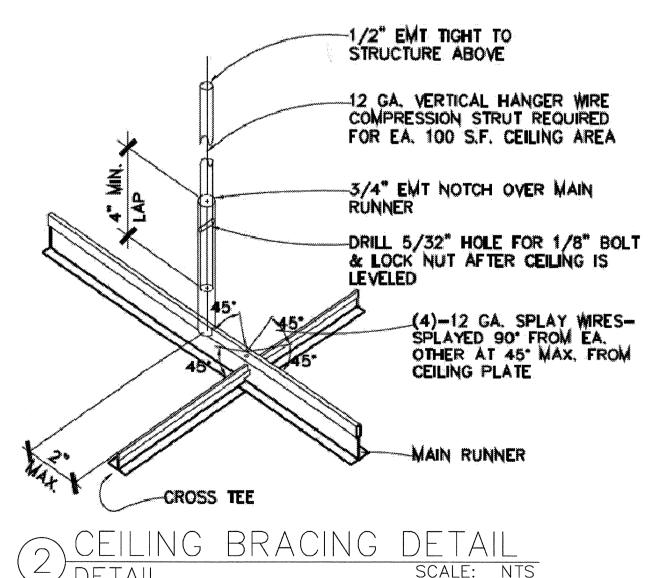
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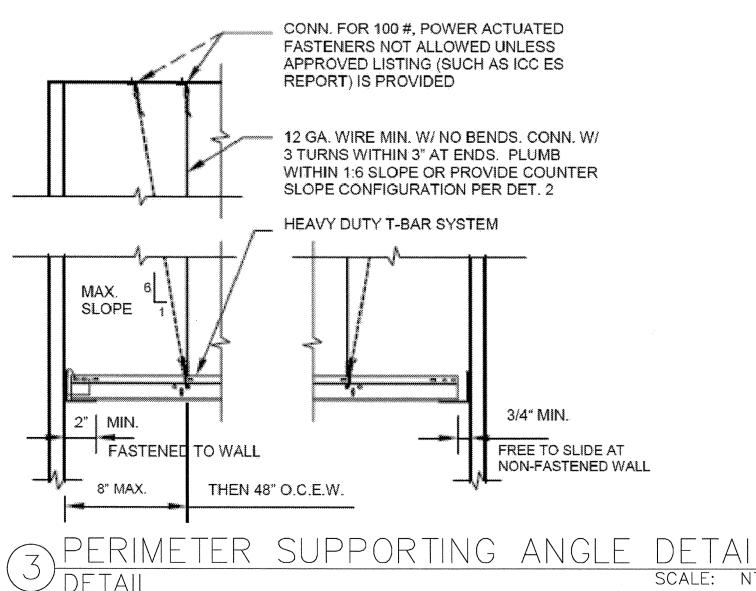








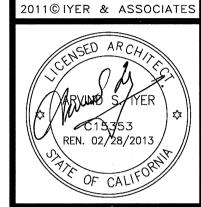


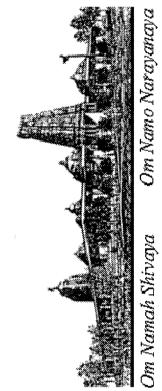


PERIMETER SUPPORTING ANGLE DETAIL

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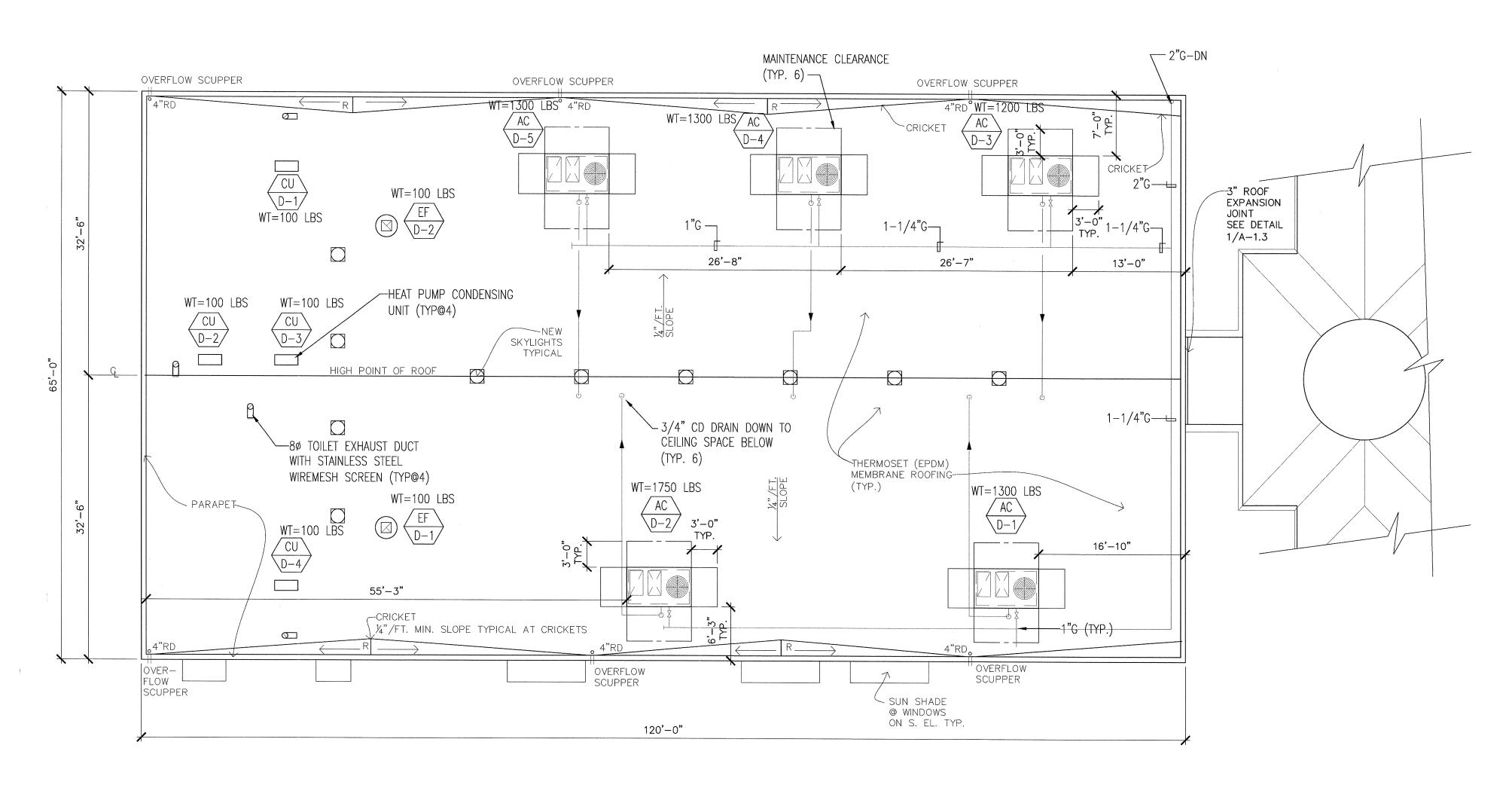


BUILDING
)MMUNITY and (
1200 ARROWHEAD AVE. LIVE

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A-1.2

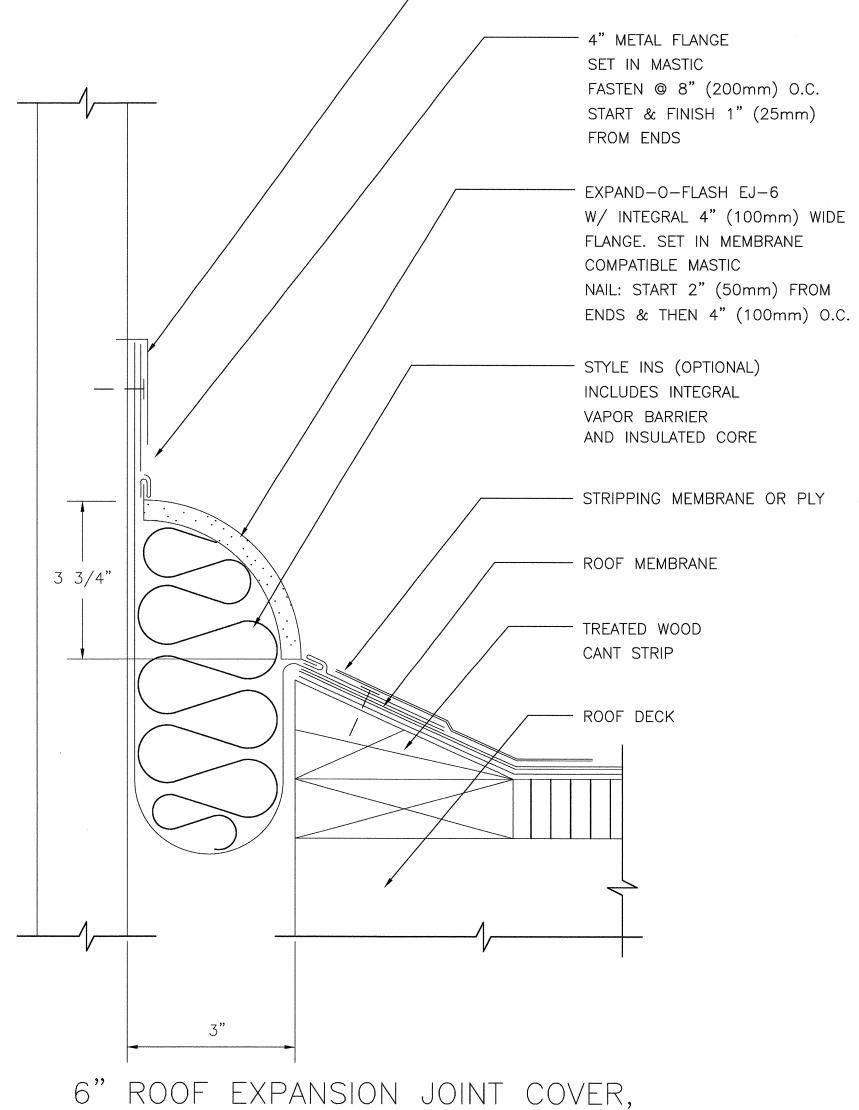
ARROWHEAD





NOTES:

- 1. ALL COLUMNS TO BE PLASTERED. 2. WALLS TO MATCH TEMPLE WALLS.
- 3. ALL PLASTERWORK TO MATCH BUILDING 'C'.
- 4. 7/8" CEMENT PLASTER, FLOAT FINISH, OVER SELF FURRING LATH AND 2
- LAYERS OF GRADE "D" PAPER. INSTALL PER C.B.C. SECTIONS 2510 & 2512.
- 5. EXTERIOR ELEVATIONS SHALL BE DONE AS APPROVED BY CUP 09-001,
- PRIOR TO FINAL INSPECTION AND AS PART OF THIS BUILDING PERMIT.



CANT TO WALL

1 ROOF EXPANSION JOINT DETAIL

REVISIONS

10-28-11

12-14-11

IYER & ASSOCIATES

1100 Montgomery Street SAN FRANCISCO, CA 94133 415 362–4937 (IYER) FAX 415 362–8158

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COMMUNITY and CULTURAL 1200 ARROWHEAD AVE. LIVERMORE, CA 94551

12/14/11 SCALE:

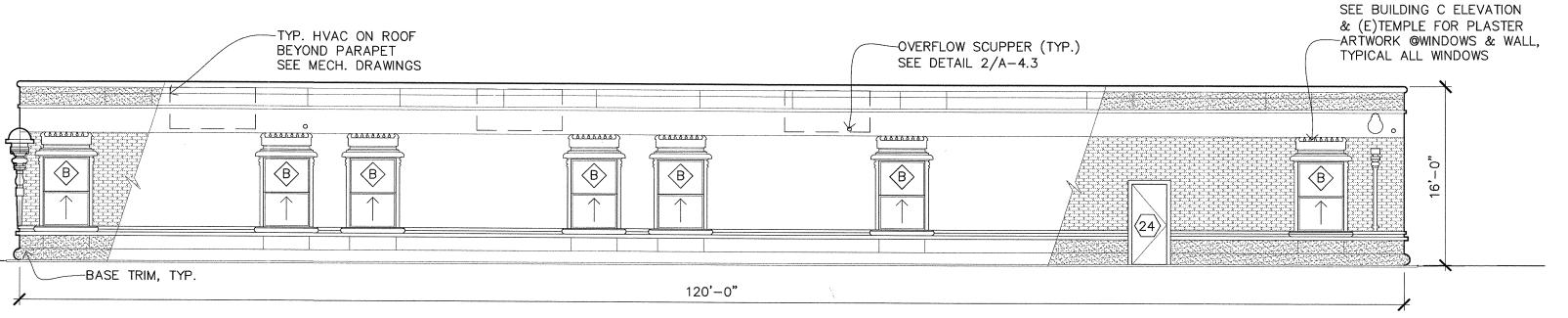
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PROJECT: ARROWHEAD

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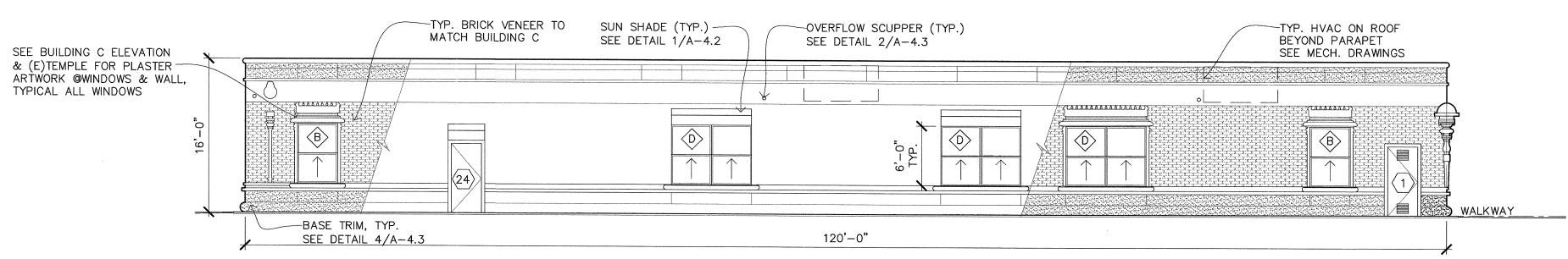
N.T.S.

- COUNTERFLASHING



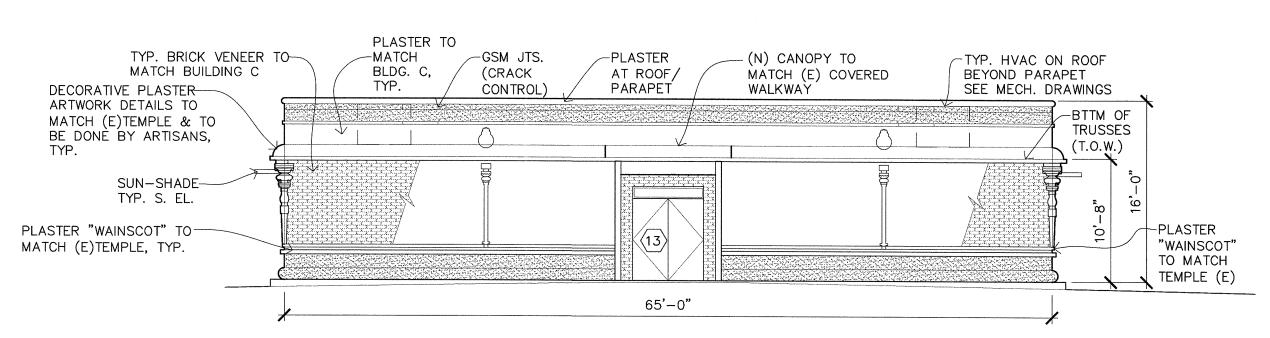
NORTH ELEVATION

1/8" = 1'-0"



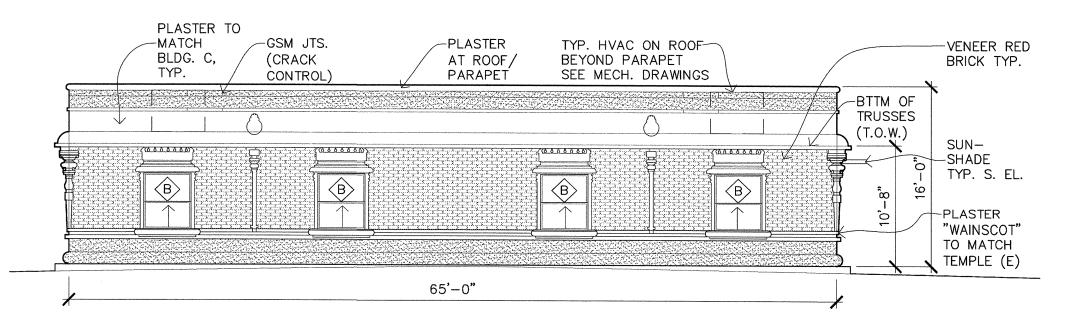
SOUTH ELEVATION

1/8" = 1'-0"



EAST ELEVATION

1/8" = 1'-0"



WEST ELEVATION

1/8" = 1'-0"

ALL COLUMNS TO BE PLASTERED.
 WALLS TO MATCH EXISTING TEMPLE WALLS.

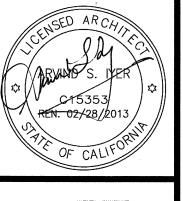
3. ALL PLASTERWORK TO MATCH BUILDING 'C'.

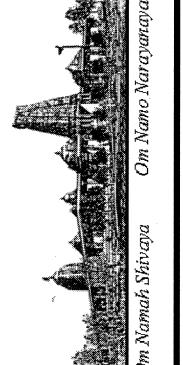
- 4. 7/8" CEMENT PLASTER, FLOAT FINISH, OVER SELF FURRING LATH AND 2 LAYERS OF GRADE "D" PAPER. INSTALL PER C.B.C. SECTIONS 2510 & 2012.
- 5. EXTERIOR ELEVATIONS SHALL BE DONE AS APPROVED BY CUP 09-001, PRIOR TO FINAL INSPECTION AND AS PART OF THIS BUILDING PERMIT.

10-28-11 12-14-11

> IYER & ASSOCIATES 1100 Montgomery Street SAN FRANCISCO, CA 94133 415 362–4937 (IYER) FAX 415 362–8158





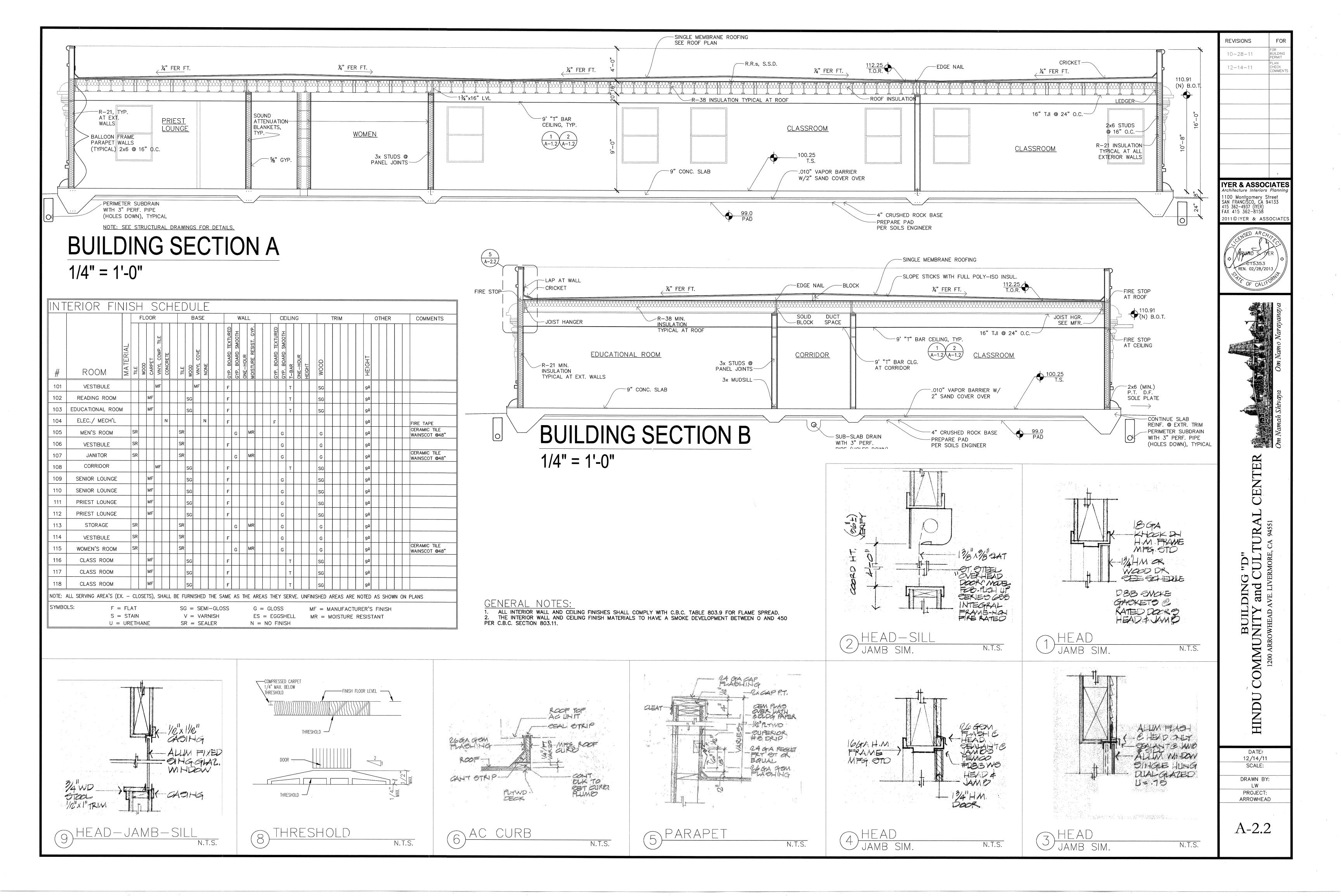


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DATE 12/14/11 SCALE:

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A-2.1



ORDINANCES AND SUBCONTRACTORS

The Contractor shall procure and pay for all civil inspections, permits and certificates of inspection as required. It shall be the Contractor's responsibility to see that all subcontracted work includes everything the plans and specifications call for in the subcontracted scope of work. Each Contractor will be responsible for conformance of his work with all rules, regulations, ordinances and codes or regulatory agencies affection his work, whether or not shown in the plans and specifications, including all applicable OSHA and California/OSHA orders.

Fire Insurance: Owner shall, at his expense, have the entire work (less ground and foundations) insured from loss by fire with a policy made out to the Owner and Contractor as their interest may appear. The policy to run until work is finally accepted.

Liability Insurance: The General Contractor and the subcontractors shall maintain Workmen's Compensation Insurance as required by state laws. In addition, the Contractor shall show Certification of Insurance for Comprehensive General Liability Insurance Policy (with limits for boddy injury of \$50,000 each person/\$100,000 each accident and with limits for property damage of \$10,000 each accident or its equivalent).

Bonds: Contractor shall provide bonds, labor and material and performance, for 100% coverage.

EXAMINATION OF THE SITE

Contractor shall visit the building site and become familiar with existing conditions before submitting estimates. Failure to do so shall not constitute a cause for future complaint or claim for extra.

DRAWINGS AND SPECIFICATIONS

a. The drawings, which are a part of these specifications, show the necessary grading for the general construction for the building. b. The drawings and specifications are to be considered as cooperative and any work of materials shown or mentioned in either one shall be executed as if

they were shown or mentioned in both. c. Figures shall have precedence over scaled measurements and details over general drawings.

INTERPRETATION OF PLANS

Neither the Contractor nor his workers, nor any subcontractor or supplier, shall make any assumptions as to the intent or meaning of these plans and specifications. The Architect will make all decisions regarding the intent and meaning of all details of this contract and the decision shall be final. Any information required to fully clarify the intent and meaning of all details shall be requested form the Architect prior to bidding. After a building contract is signed, the Contractor will not be allowed extra costs for any items of work shown on the drawings and not included in his bid.

Allowances provided in this contract are to be used only for material cost in the fixture and hardware categories. Labor to install allowed materials is to be included in base bid.

CHANGE ORDERS

Amounts of extras of credits for changed items shall be agreed upon by the Owner and the Contractor and written authorization shall be issued to the Contractor before proceeding with the work. Charges for work done without this written authorization will not be accepted.

CLEANING

a. This Contractor shall remove all debris form the building site and in general keep the work as clear of rubbish as possible and upon completion, all shall be left "broom clean"

b. This Contractor shall have all glass and plumbing fixtures cleaned by professional cleaners.

TEMPORARY SERVICES

a. Water: The General Contractor shall pay for all water used in the construction of the building. b. Temporary Power: Electric power used in construction – the Contractor

shall pay for temporary connection and electricity used c. The General Contractor shall provide temproary Sanitation Facilities.

LITIGATION

INSPECTON See drawings for required inspections.

FEES Unless specifically excluded on the drawings, the Contractor shall pay for all permits and connection fees to local utilities comparies and districts for connections of utilities and include all utilities fees, assessments, costs whatsoever in contract.

DIVISION 2 SITE WORK (see full specs in site development drawings)

DEMOLITION

INSTALLATION Install new curb and gutter and driveway work, where shown on drawings, in full accordance with City of Livermore standards and requirements.

Obtain and pay for encroachment of other permits required for this work, and all related inspections.

ON SITE IMPROVEMENTS

with other trades. Prior to demolition, coordinate schedule ad irrigation subcontractors to allow their removal of

NG AND GRUBBING

HING AND BACKFILL

DUST CONTROL During all stages of excavation and grading, provide labor and equipment to minimize drifting or blowing dust.

2B.06` PAVING

Paving shall be 2" of plant mix applied on 4" Class II aggregate base crushed rock rolled flat with 10 ton rubber-tired roller, hand finished as required for first quality job. No pools of water permitted. All paving to be of material and workmanship specified for Type II Paving, California State Highway Department and AASHO Standards for Medium Traffic. All paving shall slope to drain. Apply Fog-seal coat after compaction of base or AC.

2B.07 STRIPING

Use lettering for compact stalls, arrows, symbols and curb at handicap stalls. Traffic paint white, blue accents, brush, spray or roller apply, 4" width unless noted otherwise.

2B.08 PARKING BUMPERS

Where shown, apply with epoxy and rebar pins to pavement. Bumpers to be minimum 6" high, of length shown, minimum 3,000 PSI concrete reinforced continuous length of the bumper.

LANSCAPING AND IRRIGATION

DIVISION 3A CAST-IN-PLACE CONCRETE

3A.01 SCOPE OF WORK

Provide and install all concrete, reinforcing and forms conforming to shape, lines and dimensions shown on the drawings. 3A.02 CONCRETE

Portland cement shall be Type I or Type II. Coarse aggregate shall not exceed the following size limits: For Slabs: $\frac{3}{4}$ " slump maximum $4 - \frac{1}{2}$ "

For Walls and Footings: $1 - \frac{1}{2}$ " slump maximum $4 - \frac{1}{2}$ " Transit mixed concrete shall have a minimum of six (6) sacks of cement per cubic yard. No admixtures or water shall be added to cement prepared to this specification without Architect's permission. Provide continuous inspection by testing lab of all concrete over 3,000 PSI. Submit mix design to Architect.

3A.03 CONCRETE SLABS

Before concrete slab on aggregate base is laid, lever off and compact rock fill to 95% compaction. See Section 2B. Reinforced concrete slabs, place in center of slab. Finish by screening, floating and troweling concrete to a smooth dense finish. See drawings for special finishes. Slope to floor drains where shown. Exposed concrete floors shall be suitably finished. Slabs shall be sealed and finished with "Stanlux Con-trete" as manufactured by Standard T. Chemical Company.

3A.04 CONCRETE FORMS

Forms shall be of wood, steel or other approved material. All forms must be true to line, plumb and level with joints fairly tight.

3A.05 REINFORCEMENT

Reinforcement shall be deformed structural grade billet steel conforming to ASTM Specification A165-40, latest designation.

DIVISION 4 MASONRY SCOPE OF WORK

DIVISION 5 METALS SCOPE OF THE WORK

Furnish and install all structural steel and miscellaneous iron shown on the drawing.

STRUCTURAL STEEL

All structural steel shall be fabricated and erected in accordance with the latest specifications of the AISC.

5A.03

Furnish all carpentry bolts, steel angles, clips and railings, etc. as shown and required.

5A.04 MATERIALS a. Structural Steel b. Paint

c. High strength bolts

Section 5B ARCHITECTURAL METAL

WORK INCLUDED a. Chain link fencing

b. Stair railing c. Ornamental metal railings

d. Ladders. O-Keefe metal railings as noted on the drawings. e. Submit Shop Drawings for all rails.

DIVISION 6 CARPENTRY

6A.01 SCOPE OF THE WORK All rough, finished carpentry and millwork, installation of finish hardware and related items as shown and / or specified herein.

6A.02

MATERIALS Lumber: Grade lumber in accordance with current grading rules #16 of the

Plywood: Grade in accordance with Commercial Standards. CS-45-48

(see specs on structural drawings, sheet SD-1)

UNDERLAYMENT

Frame, brace, anchor and tie all members together in a rigid manner. Make cuttings full and square. Do not cut structural members without Engineer's approval.

All members shall be securely nailed in place with proper size nails and secured rigidly in place. Studs shall be 16" on center, doubled at corners. partitions and sides of openings. Finish and install all rough hardware and install steel angles and bolts required and finished in Section 5A. Receipt and install all finish hardware accurately and neatly. All work to conform to the 2007 CBC. 6A.05 TRUS-JOIST

Trus-joist, where shown, shall be as manufactured by Trus-joist MacMillan Company, Inc. or approved equal. Trus-joists and all work attached thereto shall be installed in strict accordance with manufacturer's instructions and details. (see specs. on structural drawings)

6A.06 GLU-LAMS

Glu-lams: Douglas fir in accordance with WCLA Standard Specifications. exterior glue. Industrial appearance end seal. Protect from moisture at all times prior to weather-tight building. (see specs. on structural drawings)

DIVISION 6B - MILLWORK

6B.01 SCOPE OF THE WORK

DIVISION 7 - MOISTURE PROOFING

7A.01 SCOPE OF THE WORK Provide and install all roofing as shown on the drawings and specifications herein. Install hot asphalt and two (2) 15# felt waterproofing on walls below grade and above finish floor lever. Slit and reseal all fishmouthes.

7A.02 MATERIAL AND WORKMANSHIP Materials shall be new, furnished and installed in complete accordance with manufacturer's directions.

7A.03 ACCEPTABLE MANUFACTURERS

a. The Celotex Corporation b. Johns-Manville Sales Corporation, Manville Building Materials Corp. c. Owens-Corning Fiberglas Corp.

7A.04 MATERIALS (BASIS: Manville 4 ply, 10 yr. NDL) a. Asphalt Bitumen and glass Fiber Reinforced Roofing: Manufacturer's standard products for systems specified and conforming to the requirements of

d. Consolidated Fiber Glass Products, Inc. (Conglas)

NRCA Roofing Manual. 1. System: NRCA Specification 35-NAGM; nailable deck, asphalt glass fiber reinforced membrane with mineral cap sheet surfacing. (comply

with NRCA requirements for each material) 2. Base Sheet: Provide three ply roofing system, counting base sheet, plus additional cap sheet. 3. Provide rosin-sized sheathing paper where recommended by

roofing manufacturer for type of decking on project. 4. Base and Composition Flashing System: Provide manufacturer's premium quality commercial quality base and composition wall flashing system. (comply with NRCA recommendations)

b. Mineral Cap Sheet: ASTM D3909, Manufacturer's standard mineral surfaced cap sheet for type of roof specified.

1. Color: Silver grey or equal with a minimum of 78 solar reflection index, JM GlasKap CR Cool Roof or approved equal. c. Walkway planks: Dek-top as manufactured by Asphalt Products Oil Corp. (415-542-4887) cut to sizes indicated on drawings for walkway planks.

d. Mechanical Fasteners: As recommended by insulation manufacturer and

7A.05 PREPARATION

meeting recommendations of NRCA.

a. Inspect roof deck to ensure deck is clean and smooth, free of depressions, waves or projections and is properly sloped to drains, valleys or eaves. b. Ensure roof openings, curbs and pipes, sleeves, ducts or vents through the roof are solidly set, cant strips are in place and nailing strips located. c. Deck surfaces shall be dry.

7A.06 INSTALLATION

a. Apply roofing membrane in accordance with roofing manufacturer's instructions and NRCA recommendations for roof type specified. b. Apply felts smooth, free from air pockets, wrinkles, fishmouths, prominent lap-joints or tears.

c. Carry felts up cant strips to vertical surfaces and secure to nailing strips. d. Install 2-ply membrane and glaze coat for cut-off at "end-of-day"

f. Coordinate metal flashings and counter flashing. g. Coordinate installation of roof drains and related flashings. h. Mop-in and seal flashings and flanges of items projecting through the

7A.07 GUARANTEE

The General Contractor and the Roofing Contractor shall submit a written statement guaranteeing all roof work for a period of ten (10) years from date of Acceptance. All roofing work to be certified by the manufacturer. Send two (2) copies of manufacturer's certificate to the Architect or Owner immediately upon completion of the work. Ten year, no dollar limit certificate required.

DIVISION 7A - SHEET METAL

SCOPE OF THE WORK Furnish and install all sheet metal work shown on the drawings, specified herein or wherever necessary for flashing purposes, to make a watertight job.

7B.02 MATERIALS

standards.

Galvanized iron: 26 gauge minimum Solder: halfpig lead and half-tin with muriatic acid flux.

WORKMANSHIP Allow for expansion and contraction. Flash and counter flash all junctions of all roofs with vertical surfaces. Provide expansion joints 40'-0" on center. Fasten all down spouts securely to wall with straps. All workmanship shall be first class and shall be properly constructed and complete whether specifically mentioned or not. Use slip-joint covers at joints in flashing per SMACNA

DIVISION 8 - DOORS, WINDOWS AND GLASS

SECTION 8A - GLASS AND GLAZING

SCOPE OF THE WORK All glass is factory installed, under section 8D and 8E, except mirrors.

Furnish and install glass wherever shown on the drawings. (per Flat Glass Marketing Association, Glazing Manual) 8A.02 MATERIALS

Clear glass: New clear float glass, PPG or equal 1/4"

Tempered glass: New PPG herculite tempered safety glass Bronze glass: New PPG solarbronze, min. 1/4" pol. Plate Plate glass: PPG or equal polished plate 1/4" thick Wire glass: 1/4" polished, square mesh run vertical (not diagonal). Mirrors: Type A - polished plate second silver quality (in each lavatory) Unless noted on toilet accessory schedule Exterior Windows: Solarban 60 PPG Industries or approved equal. Skylights: to be O'Keefs or equal double insulated. Frosted at restrooms.

8A.03 CLEANING

The General Contractor shall be responsible for thoroughly cleaning all glass on both sides and replacing all broken or cracked glass prior to acceptance of the building by the Owner.

All work shall conform to the 2007 CBC regarding maximum size to thickness and tempering requirements.

SECTION 8B - FINISH HARDWARE

8B.01 SCOPE OF THE WORK

Contractor shall provide the Owner with complete Hardware Schedule for review and approval. Schedule shall include cross match-coding of locksets to door numbers on plans and three (3) copies shall be provided, allowing fifteen (15) working days for the Owner to review. Schedule shall show manufacturer's name and catalog number of each item. This schedule shall be considered the Preliminary Schedule. (all hardware shall be commercial quality and shall be installed in accordance with CAC Title 24)

Contractor's hardware vendor shall prepare a revised/corrected schedule – revised document based upon the Owner's review comments on Preliminary Schedule. The revised document shall be considered the Final Hardware Schedule and three (3) copies shall be forwarded to the Owner. This will enable the Owner t prepare a Keying Schedule which will be forwarded through channels to the hardware supplier for ordering hardware.

8B.02 DOOR LOCKSETS

Door locksets shall be Sargent 8100 series LWIL with USS10B finish. Keyways and Pinning schedules shall be determined by the Owner to coordinate with the Master Keying Schedule. No substitution in liew of Sargent locks will be

8B.03 KEYING

a. All keyed locks shall be passed by a Grand Master Key. All lock cylinders are to be Grand Mastered, sub-building mastered and set keyed. b. Keys: Stamp all keys "do not duplicate"

1. Furnish three keys per lock with an additional three keys for each set; three keys for each Sub-master, three keys for each Building Master and 50 stamped key blanks in the Job Keyway.

2. Upon receipt of the locksets and cylinders from the factory. supplier shall notify the Owner that the keyed locks and cylinders are ready to be checked for the keying requirements set forth in the Keying Schedule. After the keyed locks and cylinders have been checked against the Keying Schedule and corrections make the Owner will accept the keys for the job and the keyed locks will be delivered to the job.

8A.04 PANIC HARDWARE Panic hardware and door closers shall be installed per the requirements of the local Fire Marshal. On all wood doors requiring panic bars and/or closers, such hardware shall be installed with sex bolts.

8B.04 DOOR BUMPERS Door bumpers shall be Sargent concave type or equal. All wall mounted bumpers shall have solid backing (2x4) installed behind each bumper.

8B.05 DRAWER SLIDES Drawer slides to be Knape Vogt 1280P

8B.06 BUTT HINGES Butt hinges to be McKinney TA2724. 4 1/4" x4 1/4" typical.

CABINET HINGES Cabinet hinges: 30 deg. Reverse bevel doors – National Lock Co. C325 Cabinet Hinges: Flush doors – McKinney 2743

SECTION 8C - HOLLOW METAL DOOR FRAMES AND WINDOWS

8C.01 SCOPE OF THE WORK

Provide all ferrous metal doors and frames, hollow metal work and related items complete as shown and specified. All doors and frames to be shop coat primed, except pre-finished aluminum anodized doors and frames and timely prefinished door frame systems. All exterior doors and frames shall be galvanized.

8C.02 MATERIALS

Hollow metal doors and frames shall be in accordance with Steel Door Institute (SDI) standard specifications. Interior Doors shall be SDI Level 2 (heavy duty), Model 1 (full flush). Exterior doors shall be SDI Level 3 (extra heavy duty) Interior door frames shall be SDI Level 2 (16 gauge heavy duty) and

SECTION 8E - METAL SASH

DIVISION 9A - PAINTING AND DECORATING

Spray texture all sheetrock for flatwall work.

primer and two (2) coats semi-gloss enamel.

one (1) coat enamel flat stipple.

exterior door frames shall be SDI Level 3 (14 gage, extra heavy duty).

Fire-rated doors shall have UL Label with required rating.

9A.01 SCOPE OF THE WORK a. It is the intent of the specifications that the Contractor shall execute all painters finishes throughout the exterior and interior of the building. Paint all wood, plaster or sheetrock, unfinished metals, unless specifically noted otherwise.

b. Stipple all enamel. Provide smooth finish for areas with wallcoverings. c. Accept tape work in writing to Owner, prior to start of painting. d. Colors to be per Owner or as scheduled

e. Workmanship to be first quality; smooth and uniform.

f. Protect the work of other trades. g. Examine block for tightness and report defects to the Architect before starting. h. Interior trim – two (2) coats of enamel over primer. Gypsum board – two

(2) coats of latex over primer. i. All paints to be Fuller-O'Brien or approved equal.

9A.02 EXTERIOR a. Type A – Masonry/concrete: color coating – one (1) coat concrete block primer sealer and one (1) coat acrylic latex.

b. Type B – wood trim: one (1) coat oil primer and two (2) coats enamel. c. Type C – Exterior ferrous metal: one (1) coat rust inhibiting primer and d. Type D – Galvanized metal: one (1) coat of zinc dust – zinc oxide

9A.03 INTERIOR a. Type 1 – Wallboard spray texture: two (2) coats flat latex wall paint b. Type 2 - Wallboard stipple finish: One (1) coat wall primer/sealer and

c. Type 3 – Natural finish wood casework (doors or trim): One (1) coat

f. Type 6 – Interior metal: One (1) coat enamel synthetic semi-gloss over

lacquer sanding sealer with color and one (1) coat lacquer semi-gloss. d. Type 4 – Interior painted masonry/concrete: Two (2) coats wallpaint flat e. Type 5 – Interior stain wood: Two (2) coats Cabot transparent

SECTION 9B - DRYWALL

SCOPE OF THE WORK Furnish and install all gypsum drywall, taping and all related work complete as shown.

9B.02 MATERIALS 5/8" Gypsum Board as manufactured by US Gypsum Co., National Gypsum Co., or equal.

5/8" board shall be fire code type "x"

taping shall be Perf-a-tape System using Perf-a-trim components

9B.03 WORKMANSHIP Workmanship shall be without blemish. Where texturing or stippling is omitted, install SW edge boards vertically.

SECTION 9C - RESILIENT FLOOR COVERING

9C.01 SCOPE OF THE WORK

Texturing is specified in Section 9A.

Furnish and install all composition floor covering where shown on the drawings. Provide 20 whole tile extra (each color) to Owner and one piece of 6'x9' sheet vinyl (each color) as extra material.

9C.02 MATERIAL

Vinyl sheets or tile – 1/8" thick vinyl Armstrong "Excelon" or approved equal. Adhesive as recommended by manufacturer, colors as selected with 4" high rubber base of solid color (Burke or equal). Install over 5/16" underlayment.

9C.03 WORKMANSHIP

The Contractor shall be responsible for all failures and defects in his work. Any floor surfaces which are unsatisfactory shall be brought to the attention of the Owner before proceeding.

DIVISION 9D

SECTION 9E - ACOUSTICAL CEILINGS

SCOPE OF THE WORK Furnish and install all suspended acoustical ceilings shown on the drawings. Provide 20 whole panels (each color) to Owner as extra material.

9E.02 MATERIALS Armstrong acoustical panels shall be 5/8" thick 2'x4' and 2'x2' as shown on the drawings. T bar system shall be attandard white aluminum or steel, Donn or equal, one hour rated, with required hold-down clips. Tile shall be Armstrong "Minaboard" mineral fiber panels with fissured design, size x 5/8", flame spread class 25, Federal Specifications No.SS-S-118a, NRC of .50-.60, light reflectance

Installation shall be true and level without "kinking" of wires and in accordance with manufacturer's written instructions. Suspension shall be by

minimum 10 gauge wires at 4'-0" on center each way. Provide extra wires at all light fixture corners. Employ "trapeze" type hangers at large ducts, etc. No "swing" type hangers will be permitted. (see details) SECTION 9F - VINYL WALL COVERING

Public waiting rooms and corridors to be vinyl covered. Contractor sall

furnish and install BFGoodrich Koroseal Type II, total weight not less than 24

ounce. Ply, vinyl weight not less than 20.7 ounce. Ply, or equal. Color and

pattern shall be selected by Owner. Submit examples, fawn, beige, desert tan.

9F.01 SCOPE OF THE WORK

of 75% minimum or approved equal.

9E.03 INSTALLATION

SECTION 9G - TILE FLOORING

9G.01 SCOPE OF THE WORK Furnish and install ceramic tile on floors and walls, thin set method per Tile Council of America. See drawing for sizes and TCA specifications. Provide 20 whole tiles to the Owner as extra material.

SECTION 10 - SPECIALTIES

SECTION 10A - TOILET-ROOM ACCESSORIES

SCOPE OF THE WORK Furnish and install all accessories as noted on drawing schedule. Provide 4 bundles of tissue for all paper dispensing units.

SECTION 10B - TOILET PARTITIONS

selected form standard.

SCOPE OF THE WORK

The extent of the metal toilet partition work is shown on the drawings. MATERIALS Metal toilet partitions shall be the following: Floor mounted, overheadbraces partitions with baked enamel finish and outswinging doors. Colors to be

Manufacturers offering products to comply with the requirements for metal toilet partitions include the following (with coat hook and purse shelf): 1. Sanymetal 2. American Sanitary Partition Corp.

3. Global Steel Products Corp. 4. The Mills Company 5. Bobrick Floor Anchored 1031 series

SECTION 10C - FIRE EXTINGUISHERS SCOPE OF THE WORK Furnish and install 2A-10BC extinguishers in Sultz-Dewey semi-recessed

factory finish white cabinets – quantity shown on drawings. (per Fire Marshal) DIVISIONS 11, 12 AND 13 Floor Grills: At all building entrances use model KD98 – 1 1/8" stainless steel grating by Kadee Industries (440-439-8650) or approved equal.

DIVISION 15 AND 16 - MECHANICAL AND ELECTRICAL

Separately bound and submitted with mechanical and electrical drawings.

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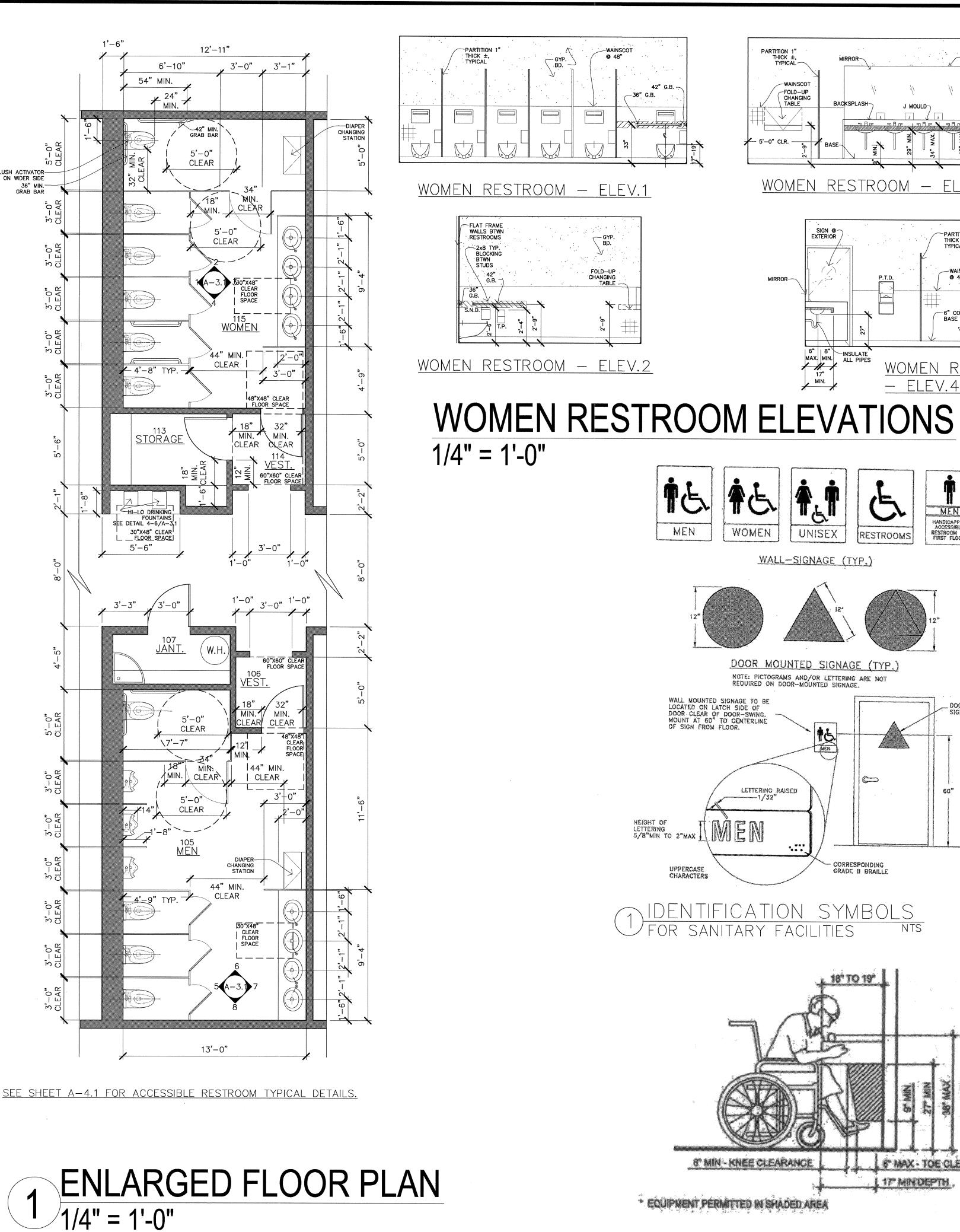
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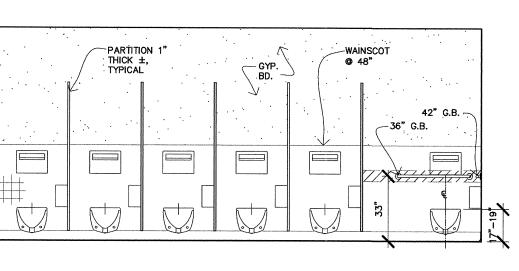
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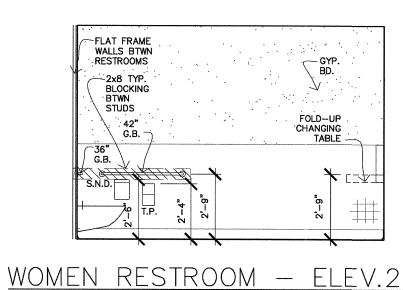
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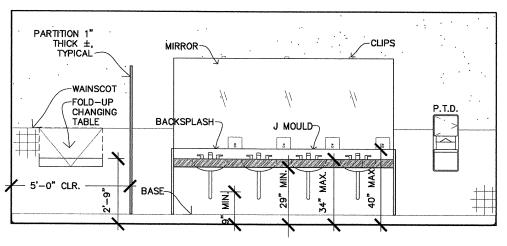
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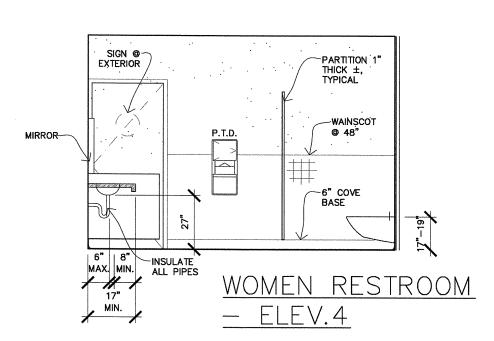


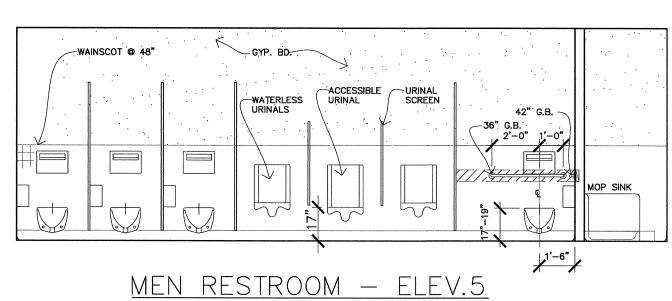
<u>WOMEN RESTROOM - ELEV.1</u>

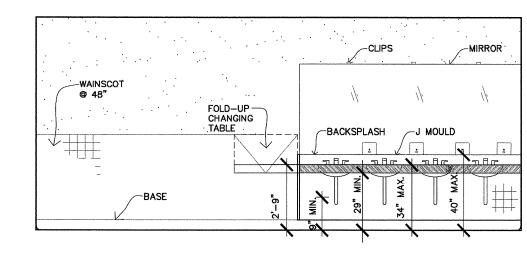




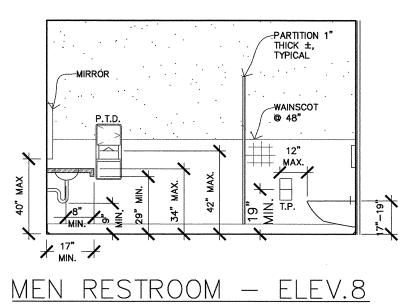
<u>WOMEN RESTROOM - ELEV.3</u>

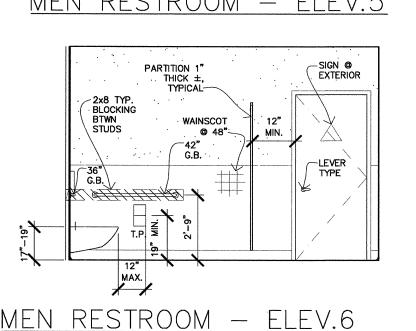


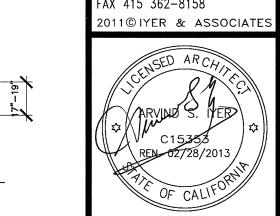




MEN RESTROOM - ELEV.7

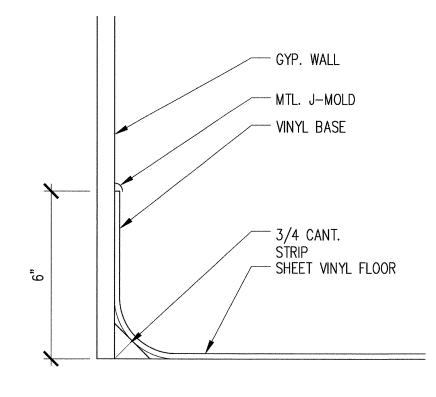


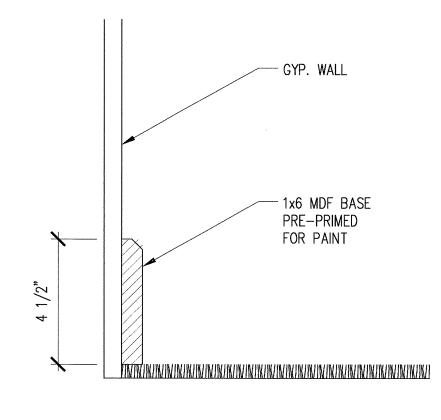


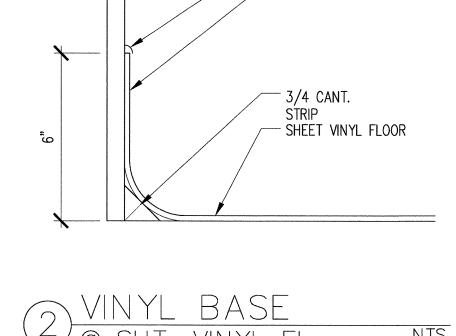


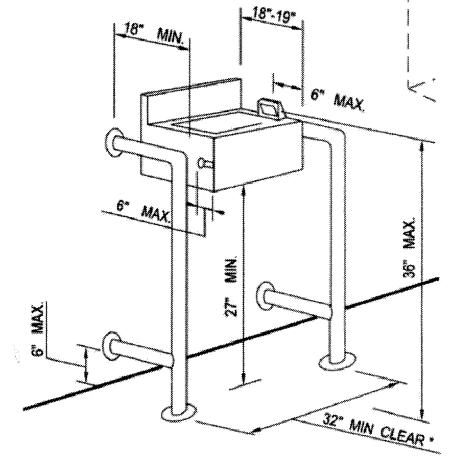
IYER & ASSOCIATES
Architecture Interiors Planning

MEN RESTROOM ELEVATIONS 1/4" = 1'-0"

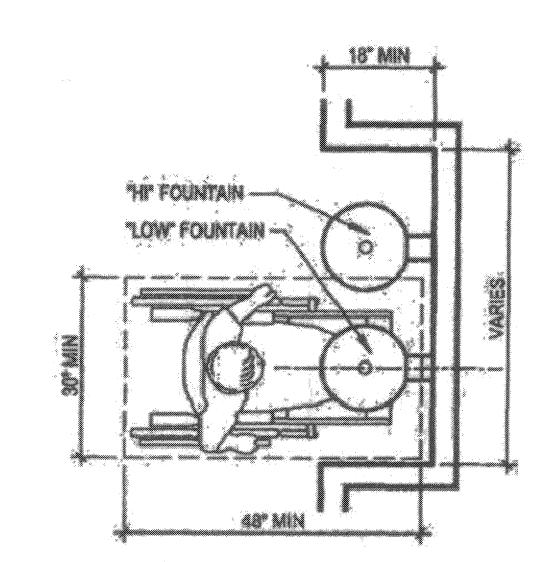


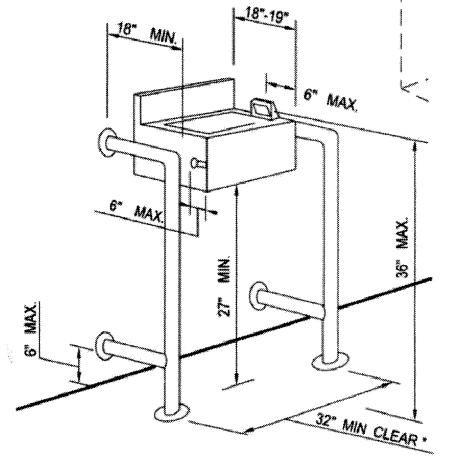






GUIDELINES





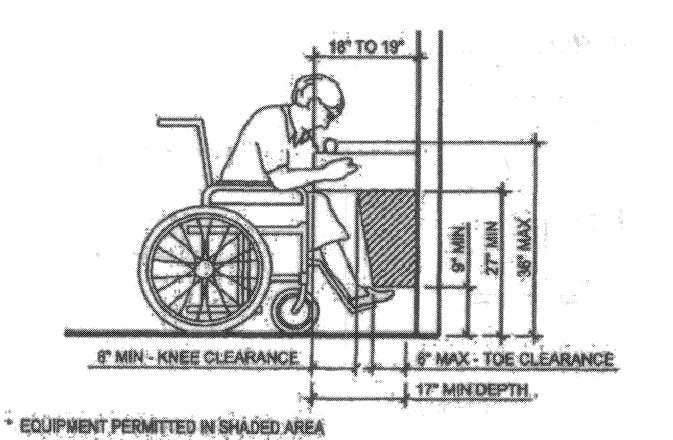
* 36" MIN. IF WING WALL DEPTH IS >24"

DATE 12/14/11 SCALE: DRAWN BY: LW ARROWHEAD

BUILDING "D"
COMMUNITY and CULTURAL
1200 ARROWHEAD AVE. LIVERMORE, CA 94551

HINDU

A-3.1

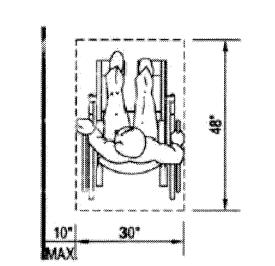


DOOR MOUNTED SIGNAGE (TYP.)

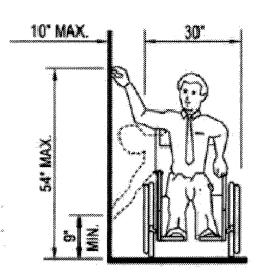
NOTE: PICTOGRAMS AND/OR LETTERING ARE NOT REQUIRED ON DOOR-MOUNTED SIGNAGE.

OUT HEIGHT & KNEE CLEARANCE

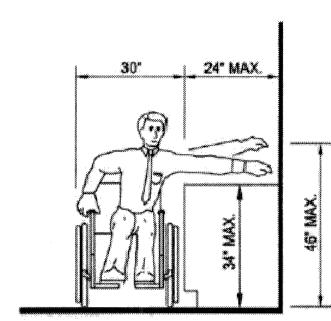
NOTE: ALL NOTES AND DETAILS AS PER CALIFORNIA TITLE 24 ACCESSIBILITY REQUIREMENTS.



(a) CLEAR FLOOR SPACE PARALLEL APPROACH



(b) HIGH AND LOW SIDE REACH LIMITS

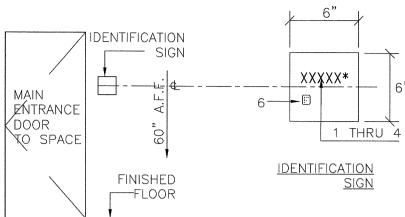


(c) MAXIMUM SIDE REACH OVER OBSTRUCTION



WHEEL CHAIR ACCESS

SCALE: NTS



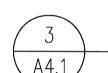
1. <u>FINISH & CONTRAST:</u> CHRACTERS, SYMBOLS AND THEIR BACKGROUND SHALL BE NON GLARE FINISH AND CONTRASTING- LIGHT CHARACTER ON DARK BACKGROUND OR VISE-A-VERSA 2. <u>PROPORTIONS:</u> CHARACTERS ON SIGNS SHALL HAVE A WIDTH TO HEIGHT RATIO OF BETWEEN 3:5 AND 1:1

AND A STROKE WIDTH TO HEIGHT RATIO BETWEEN 1:5 AND 1:10 3. RAISED CHARACTERS SHALL BE A MIN. OF 5/8" HIGH AND A MAX. OF 2" HIGH.
4. RAISED CHARACTERS SHALL BE RAISED 1/32" MIN. AND SHALL BE SANS SERIF UPPER CASE CHARACTERS

ACCOMPANIED BY GRADE 2 BRAILLE. 5. PICTOGRAMS, WHERE PROVIDED, SHALL BE ACCOMPANIED BY VERBAL DESCRIPTION PLACED DIRECTLY BELOW. MIN. BOARDER DIMENSION HEIGHT OF PICTOGRAM SHALL BE 6". 6. CONTRACTED GRADE 2 BRAILLE SHALL BE USED WHENEVER BRAILLE IS REQUIRED. DOTS SHALL BE 1/10" ON CENTERS IN EACH CELL WITH 2/10" BETWEEN CELLS. MEASURED FROM THE SECOND COLUMN OF DOTS IN FIRST CELL TO THE FIRST

COLUMN OF DOTS IN THE SECOND CELL. 7. WHERE PERMANENT IDENTIFICATION IS PROVIDED FOR ROOMS AND SPACES, SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH OUTSIDE OF THE DOOR. WHERE THERE IS NO WALL SPACE, INCLUDING AT DOUBLE DOORS, SIGNS SHALL BE PLACED ON THE NEAREST WALL, PREFERABLY ON THE RIGHT. MOUNTING LOCATION SHALL BE DETERMINED SO THAT A PERSON MAY APPROACH WITHIN 3" OF SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF DOOR.

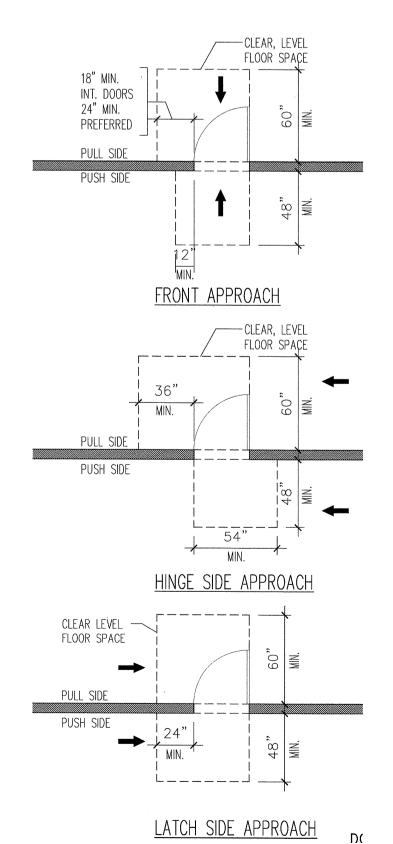
* VERIFY MATTER W/ FACILITY & OR ARCHITECT LIKE-



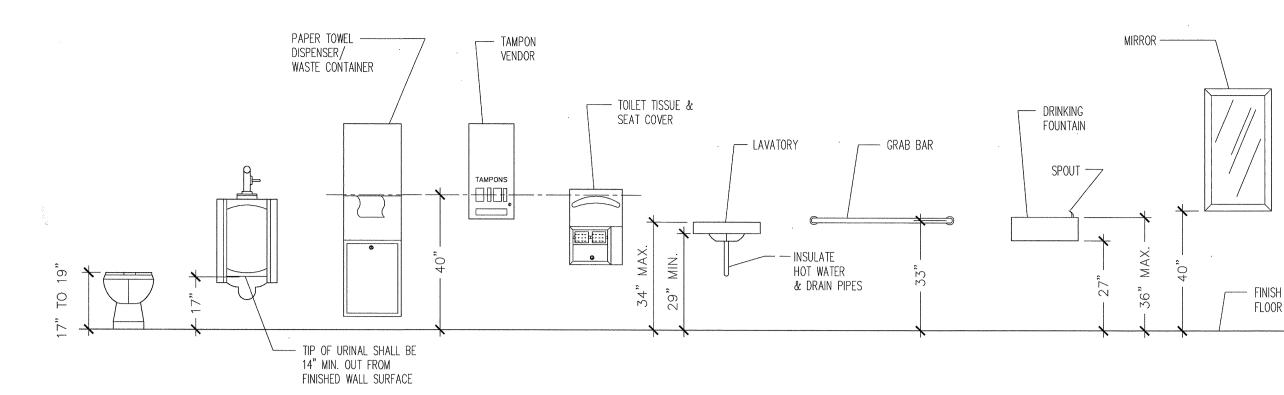
IDENTIFICATION SIGN

OFFICE, DINING, ETC. COORDINATE MATTER W/ LOCATION

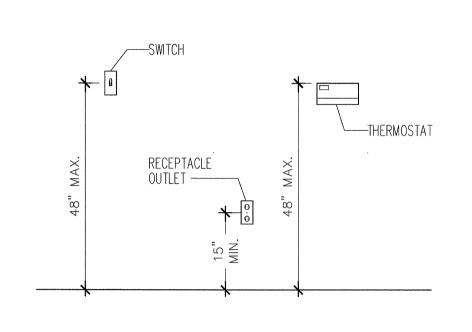
SCALE: NTS



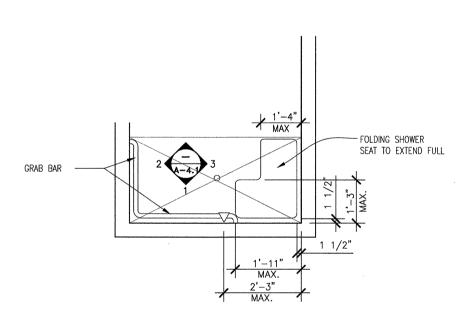


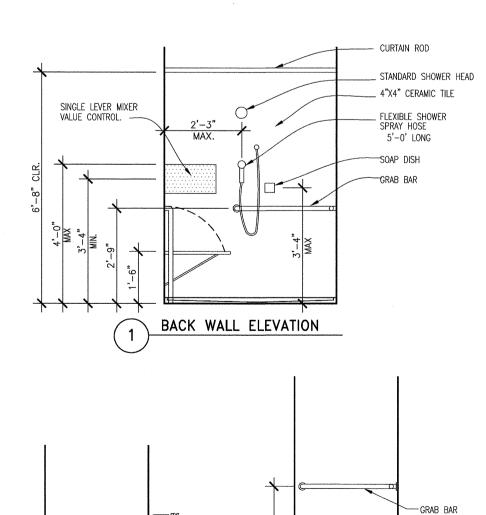


RESTROOM FIXTURE ACCESSORIES SCALE: NTS



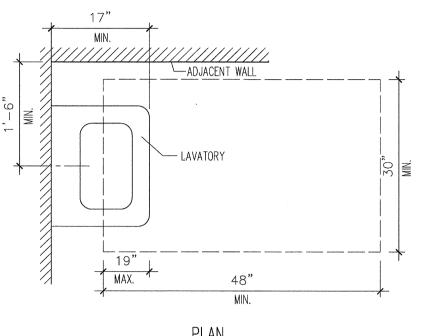
RECEPTACLES/SWITCHES SCALE: NTS

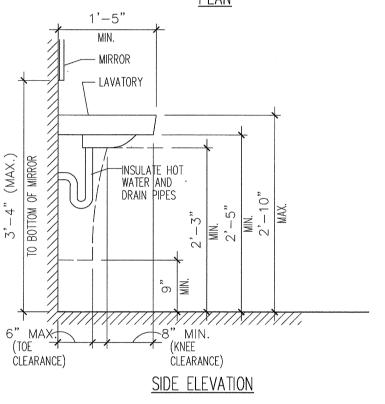


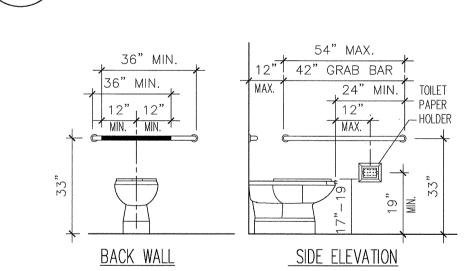


CONTROL WALL ELEVATION





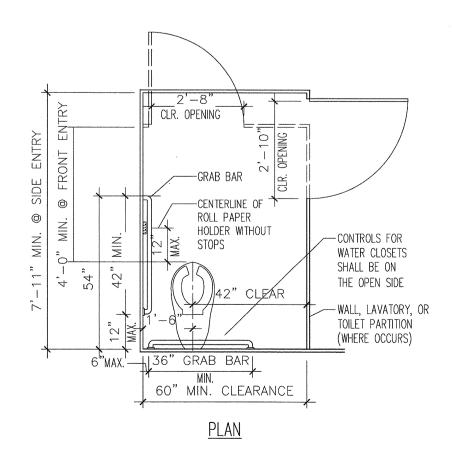




DETAILS

SCALE: NTS

LAVATORY





REVISIONS

10-28-11

12-14-11

IYER & ASSOCIATES

1100 Montgomery Street SAN FRANCISCO, CA 94133 415 362-4937 (IYER) FAX 415 362-8158

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REN. 02/28/2013

BUILDING PERMIT

DATE 12/14/11 DRAWN BY: LW PROJECT: ARROWHEAD

A-4.1

INTERNATIONAL SYMBOL

SCALE: NTS

INTERNATIONAL SYMBOL OF ACCESSIBILITY

DOORS AND FRAMES

1. Hollow metal doors and frames shall be in accordance with Steel Door Institute (SDI) standard specifications. 2. Fire rated door shall have UL Label with required rating.

NOTES:

- 1. All windows shall come complete with screens.
- 2. Field verify all door and window sizes and requirements prior to ordering and after all openings have been framed.
- 3. Hollow metal doors and frames to be painted w/ semi gloss enamel.
- 4. Wood doors "Simpson" #4060 1¾" X 3'-0" X6'-8" VGDF. stain as selected with clear varathain finish.

Each exterior door shall be secured as follows:

- 1. Exterior doors shall be hollow metal no less than 1¾" thickness.
- Exterior doors shall have a self—locking lock with dead latch, and a deadbolt lock with one inch throw.
 The locking device on main entrance doors shall be so constructed that both deadbolt and dead latch can be retracted by
- a single action of the inside door knob.
- 4. The dead latch lock and deadbolt lock shall be keyed alike (one key will fit both locks).
- 5. Pairs of doors shall have flush bolts with a minimum throw of 5/8 inch at the head and foot (floor and ceiling) of the inactive leaf.

- 6. Door stop on a wooden jamb for an inswing door shall be of one piece construction with the jamb joined by a rabbet.

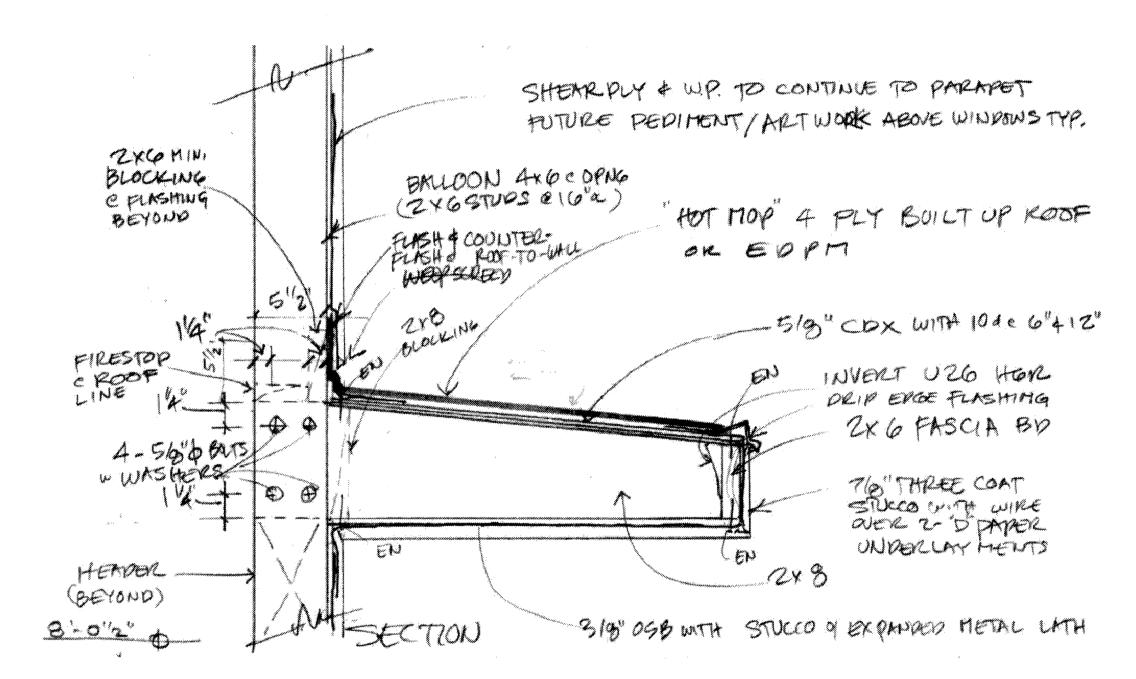
 7. Non-removable pin or interlocking stud-type hinge shall be used in pin-type hinge which is accessible from the outside when the door is closed.

 8. Cylinders shall be so designed by manufacturer or protected that they cannot be gripped by pliers or other wrenching devices.

 9. The lock or locks shall be operated from the inside of the door by a device not requiring a key.

 10. The required force to open the doors will not exceed 5 pounds for exterior and interior doors and 15 pounds for fire rated doors.

 11. The bottom 10" of doors in the accessible path of travel shall have a smooth, uninterrupted surface.
- 12. All doors to be equipped with single effort, non-grasp hardware (i.e. LEVER TYPE, PANIC BARS, PUSH-PULL ACTIVATING BARS) centered between 30" and 44" above the floor.

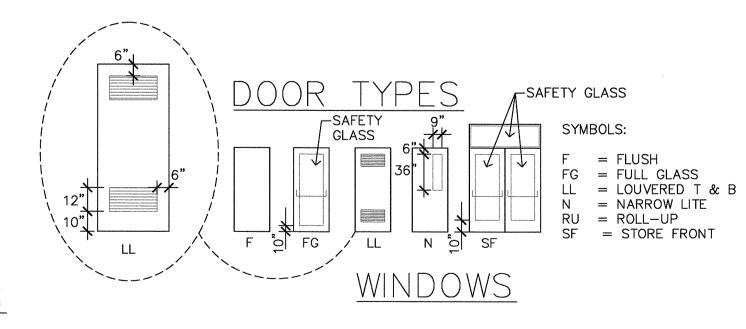


SUN SHADE DETAIL N.T.S.

NOTE: AWNING WILL BE PAINTED TO MATCH THE BUILDING.

WIN	IDC) W	SCHED	ULE*	*NO		IFY ALL WINDO	W DIMENS	IONS	
ITEMS S	SUPPLIE	D & IN	STALLED BY CONT	TRACTOR ARE	INDICATED	WITH A " "		-		
ITEMS S	SUPPLIE	D BY C	OWNER & INSTALLE	ED BY CONTRA	ACTOR ARI	E INDICATED WITH	A " "	X		
ITEMS N	NI TO	CONTRA	ACT ARE INDICATE	D WITH "N.I.C.	"					
	QTY. #	\Diamond	SIZE (W X H)	GLASS THICKNESS	OP.	WINDOW TYPE	DETAIL	FIRE RATING	REQUIREMENTS	TEMPERED
		$\langle A \rangle$								
	16	B	4'-0" X 6'-0"	3/4"	SINGLE HUNG	DUAL PANE			PPG SOLARBAN 60.	/
		(C)								
	3	\bigcirc	8'-0" X 6'-0"	3/4"	SINGLE HUNG	DUAL PANE			PPG SOLARBAN 60.	/
		E								
		F								
		$\left \left\langle G \right\rangle \right $								

$\bigcap \bigcirc$	0R	SCHFF)	 *		*NOTE:					IMENSIONS	
ITEMS S	SUPPLIE	ED & INSTALLED B			E INDICATED	WITH A "	M	JR 10	ORDEF	KING.		
ITEMS S	SUPPLIE	D BY OWNER &	INSTALLE	D BY CON	ITRACTOR ARE			X				
4/		CONTRACT ARE IN	DICATED		.C."	L CONOTRILO	TIOLI	T	T	T=:==		T
	(#)	SIZE (W X H)	TYPE	ROOM #	MATERIAL	CONSTRUC THICKNESS	FRAME	HDWR GROUP	DETAIL	FIRE RATING	COMMENTS	WEATHE STRIP
	1	3'-0" x 6'-8"	LL	104	STEEL	1 3/4"	STEEL	3			WITH HIGH AND LOW VENTS	
	$\langle 2 \rangle$	3'-0" x 6'-8"	F	109	WOOD	1 3/4"	METAL	1			SELF-CLOSING	
	3	3'-0" x 6'-8"	F	109	WOOD	1 3/4"	METAL	1			SELF-CLOSING	
	$\left\langle 4\right\rangle$	3'-0" × 6'-8"	F	105	WOOD	1 3/4"	METAL	1			SELF-CLOSING	
	5	3'-0" x 6'-8"	F	107	WOOD	1 3/4"	METAL	2			WATER HEATER. PROVIDE FOR COMBUSTION AIR TOP	& BOTT
	6	3'-0" x 6'-8"	F	110	WOOD	1 3/4"	METAL	1			SELF-CLOSING	
	$\langle 7 \rangle$	3'-0" x 6'-8"	F	110	WOOD	1 3/4"	METAL	1			SELF-CLOSING	
	8	3'-0" x 6'-8"	F	111	WOOD	1 3/4"	METAL	1			SELF-CLOSING	
	9	3'-0" × 6'-8"	F	111	WOOD	1 3/4"	METAL	1			SELF-CLOSING	
	(10)	3'-0" x 6'-8"	F	112	WOOD	1 3/4"	METAL	1			SELF-CLOSING	
	(11)	3'-0" x 6'-8"	F	112	WOOD	1 3/4"	METAL	1			SELF-CLOSING	
	(12)	3'-0" x 6'-8"	F	113	WOOD	1 3/4"	METAL	2				
	13	2X(3'-0"x9'-0")	SF	101	ALUMINUM	1 3/4"	METAL	1			PAIR DOORS, PANIC HARDWARE W/ TRANSOM & ASTIGAL	~
	14	3'-0" x 6'-8"	N	102	WOOD	1 3/4"	METAL	1			SELF-CLOSING	
	(15)	3'-0" x 6'-8"	· N	102	WOOD	1 3/4"	METAL	1			SELF-CLOSING	
	(16)	2x(3'-0"x6'-8")	N	103	WOOD	1 3/4"	METAL	1			SELF-CLOSING, PAIR DOORS	
	17	2x(3'-0"x6'-8")	N	103	WOOD	1 3/4"	METAL	1			SELF-CLOSING, PAIR DOORS	
	18	3'-0" x 6'-8"	N	116	WOOD	1 3/4"	METAL	1			SELF-CLOSING	
	19	3'-0" x 6'-8"	N	116	WOOD	1 3/4"	METAL	1			SELF-CLOSING	
	20	3'-0" x 6'-8"	N	117	WOOD	1 3/4"	METAL	1			SELF-CLOSING	
	21	3'-0" x 6'-8"	N	117	WOOD	1 3/4"	METAL	1			SELF-CLOSING	
	22	3'-0" x 6'-8"	N	118	WOOD	1 3/4"	METAL	1			SELF-CLOSING	
	23	3'-0" x 6'-8"	N	118	WOOD	1 3/4"	METAL	1			SELF-CLOSING	
	24	3'-0" x 9'-0"	SF	108	ALUMINUM	1 3/4"	METAL	1			PANIC HARDWARE W/ TRANSOM & ASTIGAL. TYP. OF 2	~
	25	3'-0" × 6'-8"	F	115	WOOD	1 3/4"	METAL	1			SELF-CLOSING	
	26	3'-0" x 6'-8"	F	102	WOOD	1 3/4"	METAL	1				

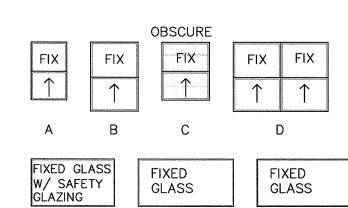


HARDWARE GROUPS

GROUP 1
HINGES 3
LOCKSET ANSI F8
CLOSER 1
SMOKE SEAL 1 SET GROUP 2
HINGES 3
LOCKSET 1 ANSI F84
ACCOUSTIC SEAL 1 SET 3 ANSI F88

GROUP 3 HINGES LOCKSET 3 ANSI F91

LOCKSETS SHALL BE KEYED IN ACCORDANCE WITH HCCC

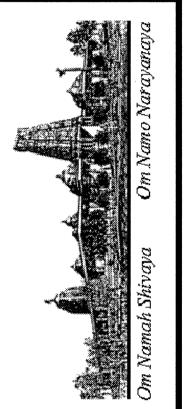


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REVISIONS 10-28-11 PLAN CHECK COMMENT. 12-14-11

> **IYER & ASSOCIATES** 1100 Montgomery Street SAN FRANCISCO, CA 94133 415 362-4937 (IYER) FAX 415 362-8158

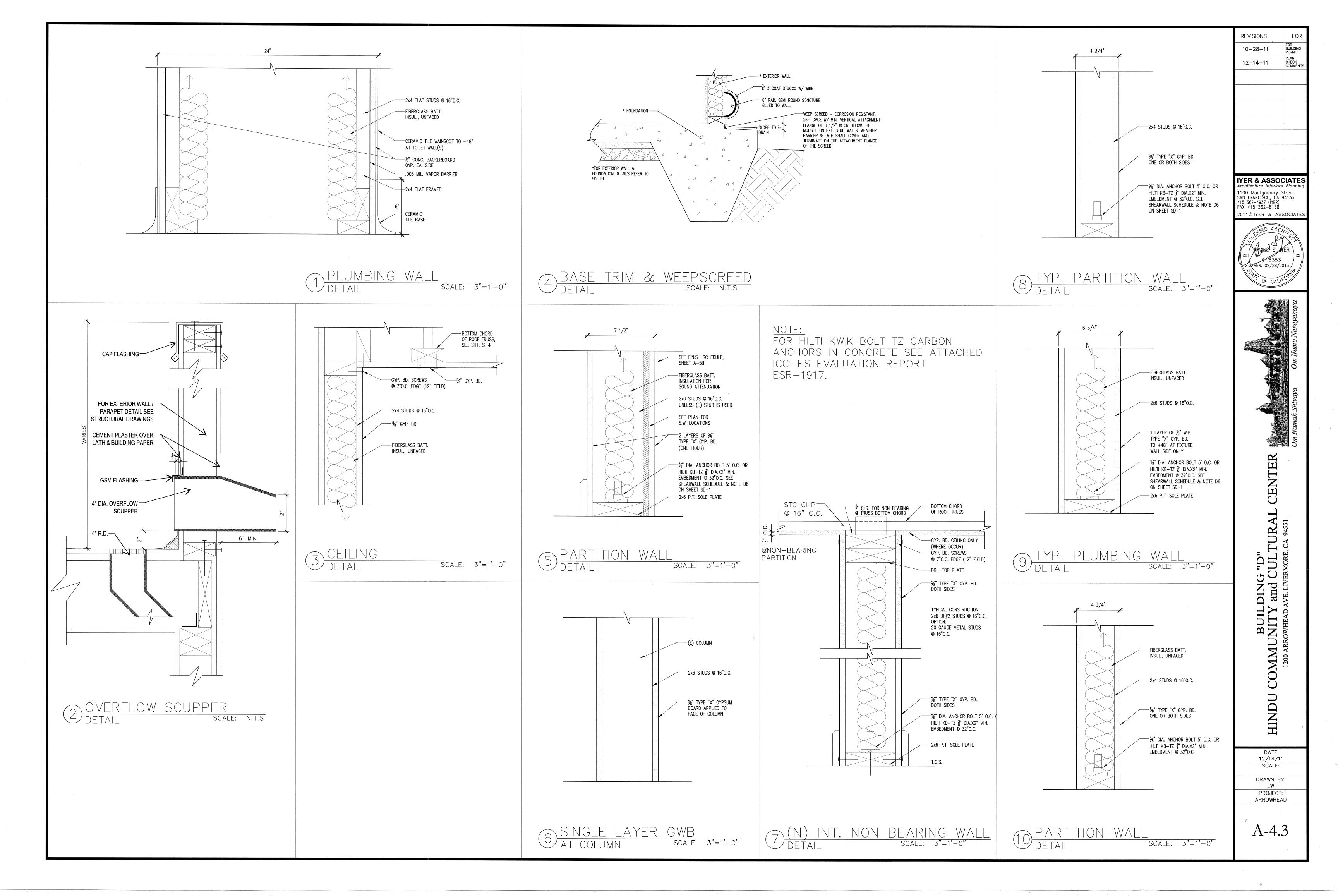




CENTI BUILDING "D"
COMMUNITY and CULTURAL
1200 ARROWHEAD AVE. LIVERMORE, CA 94551 HINDU

DATE 12/14/11 DRAWN BY: LW PROJECT: ARROWHEAD

A-4.2



ABBREVIATIONS												
A AMPS OR AMPERES (N) N NEW												
A AFF	AMPS OR AMPERES ABOVE FINISHED FLOOR	(N) N NO/NC	NORMALLY OPEN/NORMALLY CLOSED									
		NIC	NOT IN CONTRACT									
CKT CB	CIRCUIT CIRCUIT BREAKER	NL	NIGHT LIGHT									
СВ	CONDUIT	NTS										
C.O.		OC	ON CENTER									
CU	COPPER	OL	OVERLOAD									
(D) D DEMOLISH PH, Ø PHASE												
DF	DEMAND FACTOR	PNL	PANEL									
(E) E	EXISTING	(RL) RL	RELOCATED									
EM	EMERGENCY	`(Ŕ)	REMOVE									
		(RN)	RENAME									
FA	FIRE ALARM	R	REUSED									
FSD	FIRE SMOKE DAMPER											
FBO	FURNISHED BY OTHERS	SAD	SEE ARCHITECTURAL DRAWINGS									
G GFCI	GROUND FAULT CIRCUIT	SMD SPD										
0 0101	INTERRUPTER	350	SEE PLUMBING DRAWINGS									
		TTB	TELEPHONE TERMINAL BOARD									
HOA	HAND/OFF/AUTO	TYP	TYPICAL									
JB	JUNCTION BOX	TVSS	TRANSIENT SURGE									
		T /C TC	SUPPRESSOR SYSTEM									
LED	LIGHT EMITTING DIODE	1/5 15	TIME SWITCH									
L	LOCKABLE	UON	UNLESS OTHERWISE NOTED									
MCC	MOTOR CONTROL CENTER	٧	VOLTS									
MTD	MOUNTED	VIF	VERIFY IN FIELD									
MLO	MAIN LUG/S ONLY	W	WIRE									
		WP	WEATHERPROOF									

PE	DESCRIPTION	CATALOG NO.	LAMPS	VOLTS	WATTS	MOUNTINGS	REMARKS
.1		LITHONIA # 2AV-G28T5-MDRMVOLT GEB10PS	2- F028/T5/835	120	60	RECESSED	
2		LITHONIA # 2AV-G14T5-MDRMVOLT GEB10PS	2- F014/T5/835	120	30	RECESSED	
.3	6" APERTURE COMPACT FLUORESCENT DOWNLIGHT WITH ELECTRONIC BALLAST.	LITHONIA # AF-126-DTT-6AR-LD-MVOLT GEB10IS	1- 26DTT	120	30	RECESSED	
.4	DOWNLIGHT WITH ELECTRONIC BALLAST.	LITHONIA # AF-226-DTT-6AR-LD-CGL-MVOLT GEB10IS	2- 26DTT	120	54	RECESSED	
5	NOT USED.						
6	NOT USED.						
7		LITHONIA # Z5SMR-46-MVOLT-GEB10PS	2- F028/T5/835	120	60	48" CHAIN- HUNG	
8	NOT USED.						
9	WALL MOUNTED COMPACT FLUORESCENT LUMINAIRE WITH ELECTRONIC BALLAST. FULL CUT-OFF AND DARK NIGHT TYPE.	LITHONIA # MRW-226-DTT-MD-MVOLT- GEB10LPI-	2- 26DTT	120	54	WALL	
F	52" PADDLE FAN/LIGHT BRUSHED NICKEL FINISH WITH 1-18WCFL LAMP. THREE SPEED WITH REMOTE CONTROL TO INDEPENDENTLY CONTROL FAN AND LIGHT.	HUNTER SONIC # 21585	1- 18 W CFL	120	110	SURFACE CEILING	BLACK/MAPLE BLADES
Х	LED-TYPE EXIT SIGNAGE ARROWS, MOUNTING TYPE AND FACES AS SHOWN ON PLAN.	LITHONIA # EDG1/2-G-120/277-ELN	INCLUDED	120	5	CEILINGWALL	
	1. COLOR AND FINISHES BY ARCHITECT. 2. PROVIDE EMERGENCY BATTERY PACK OR BALL	AST AS REQUIRED.					

		LEGEND		LEGEND
	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	1	<u>POWER</u>		PANELBOARDS AND TERMINALS
	Ğ ₩	DUPLEX RECEPTACLE OUTLET, NEMA 5-20R, WALL MOUNTED +18" AFF UON. G (GFCI) =GROUND FAULT CIRCUIT INTERRUPTER TYPE 1=ASSOCIATED CIRCUIT. D=DEDICATED CIRCUIT		DISTRIBUTION BOARD OR MOTOR CONTROL CENTER BRANCH CIRCUIT PANEL, FLUSH OR SURFACE MOUNTED, (120/208V, 3¢
		DUPLEX RECEPTACLE — WALL MOUNTED ABOVE COUNTER		
	⊕ ∃ 1,3	DOUBLE DUPLEX (QUAD) RECEPTACLE, NEMA 5-20R, WALL MTD +18"AFF 1,3 ASSOCIATED CIRCUIT	>	TERMINAL BOARD. 3/4" THICK MARINE PLYWOOD
		DUPLEX RECEPTACLE OUTLET — FLUSH MOUNTED ON CEILING DUPLEX RECEPTACLE OUTLET — FLUSH FLOOR MOUNTED LIGHTING	(M) (J) (P) (D)	EQUIPMENT CONNECTION MOTOR JUNCTION BOX, WALL OR CEILING MOUNTED PULLBOX. MOUNTING AND SIZE AS INDICATED P = POWER; T = TELECOMM
		2X4 FLUORESCENT LUMINAIRE - RECESSED MOUNTED		MAGNETIC STARTER SAFETY DISCONNECT SWITCH—30A SIZE. LETTER DENOTES OTHER SIZES:
	\boxtimes	2X2 FLUORESCENT LUMINAIRE - RECESSED MOUNTED	A15	A = 30 AMPS 15 = 15 AMP FUSES _ = NON-FUSIBLE TYPE B = 60 AMPS 30 = 30 AMP FUSES
	0	FLUORESCENT DOWNLIGHT LUMINAIRE - RECESSED MOUNTED		C = 100 AMPS 40 = 40 AMP FUSES
		FLUORESCENT DOWNLIGHT LUMINAIRE - SURFACE MOUNTED		COMBINATION STARTER - FVNR HOA, NUMBER INDICATES NEMA SIZE
	⊢ 0−1	FLUORESCENT STRIP — SURFACE OR CEILING MOUNTED	│	PACKAGE CONTROLLER OR STARTER FURNISHED AND INSTALLED UNDER ANOTHER SECTION BUT WIRED UNDER THIS SECTION.
7		PADDL FAN/LIGHT - SURFACE CEILING MOUNTED	PVI	PHOTO-VOLTAIC INVERTER
4	δ	COMPACT FLUORESCENT LUMINAIRE - WALL MOUNTED		KILOWATT-HOUR METER WITH CURRENT AND POTENTIAL TRANSFORMERS.
	□• □ • □	POLE MOUNTED PARKING LOT LIGHTING LUMINAIRE - SINGLE OR TWIN HEAD.	FSD	FIRE SMOKE DAMPER, SMD
	\$ a	SWITCHES SINGLE POLE SWITCH, LOWER CASE LETTER INDICATES CIRCUIT OR		SIGNAL
	44	LAMPS CONTROLLED BY SWITCH, +48"AFF U.O.N. "L" DENOTES LOCKABLE "PS" PROJECTION SCREEN		TELECOMM WALL OUTLET, +18" AFF U.O.N.; RING AND STRING ONLY
		"3" DENOTES THREE-WAY		TELECOMM WALL OUTLET, MOUNTED ABOVE COUNTER
	\$т	"D" DIMMER TYPE MOTOR RATED SWITCH WITH THERMAL OVERLOAD ELEMENT.		TELECOMM CEILING OUTLET, FACE DOWN
	©SH _a	OCCUPANCY SENSOR SWITCH — WALL MOUNTED: SUITABLE UP TO 300SF BI-LEVEL OR SINGLE LEVEL TYPE	FANN	TELECOMM FLOOR OUTLET FIRE ALARM REMOTE ANNUNCIATOR
	OS a	OCCUPANCY SENSOR SWITCH — CEILING MOUNTED: SUITABLE UP TO 1000SF	FACP	FIRE ALARM CONTROL PANEL
		MISCELLANEOUS	SD _R	SMOKE DETECTOR, CEILING MOUNTED. "R" DENOTES WITH RELEASING CONTA
	<u>L1</u>	LIGHTING FIXTURE TAG, "L1" = FIXTURE TYPE	<u>®</u> —	SMOKE DETECTOR, DUCT MOUNTED. FURNISHED AND WIRED BY DIV 16, INSTALLED BY DIV 15
	1	SHEET NOTES TAG		HEAT DETECTOR, CEILING MOUNTED.
1	SF 1	EQUIPMENT IDENTIFICATION	SI . ⊣	FIRE ALARM STROBE UNIT +80"AFF
		EQUIPMENT NUMBER	HSH	FIRE ALARM HORN/STROBE UNIT +80"AFF
_	1 7 5	CONVENTIONS DE PREAMERS	MSH MSH	FIRE ALARM MINI-HORN/STROBE UNIT +80"AFF
	1, 3, 5 D 1	INDIVIDUAL CIRCUITS TO INDIVIDUAL OR MULTI-POLE BREAKERS PANELBOARD NOMENCLATURE:	FH	FIRE ALARM PULL STATION +48"AFF
	1 1 1	PANEL SEQUENCE	TSH	FIRE ALARM TAMPER SWITCH
-		BUILDING VOLTAGE I.D.	WS-H	FIRE ALARM WATER FLOW SWITCH
		_ = 120/208 VOLTS		RACEWAYS
_				CONDUIT RUN EXPOSED IN CEILING OR WALL
				CONDUIT RUN CONCEALED IN CEILING OR WALL
				CONDUIT RUN CONCEALED IN SLAB, UNDERSLAB OR GROUND CONDUIT HOMERUN, CONTINUOUS RUN TO PANEL OR EQUIPMENT CABINE
-		DRAWING INDEX		CONDUIT UP
	NO. DWG.	NO. DESCRIPTION		CONDUIT DOWN
	1 E-0.0			GROUND WIRING, SIZE AS INDICATED
	2 E-0.1			CROSSMARKS (SHOWN IN HOMERUN ONLY) INDICATE THE FOLLOWING:
	3 E-0.2 4 E-1.1			NUMBER ADJACENT TO CROSSMARKS INDICATES WIRE SIZES. NO NUMBER INDICATES SIZE #12 WIRE.
\dashv	5 E-1.2		1	2. NO CROSSMARKS INDICATES 2#12 AWG CONDUCTORS.
	6 E-1.3		11	3. SHORT CROSSMARK IS PHASE WIRE, LONG CROSSMARK IS NEUTRAL WIRE, AND LONG WITH DOT IS ISOLATED GREEN GROUND CONDUCT
	7 E-2.1	I SPECIFICATIONS	<u> </u>	NORMAL GROUND WIRE IS USUALLY NOT SHOWN.
				4. 3/4" EMT CONDUIT MINIMUM. UPSIZE AS REQUIRED FOR CIRCUITS WITH OVERSIZED NEUTRAL. FLEXIBLE WIRING CONNECTION TO LUMINAIRE OR EQUIPMENT
			4 1	A TEOF

REVISIONS ISSUE FOR PERMIT 10-28-11 208V, 3ø, 4W)

IYER & ASSOCIATES
Architecture Interiors Planning

NEUTRAL CONDUCTOR.

DATE 10/28/11 SCALE: NONE DRAWN BY: LA

ELECTRICAL LEGEND, DRAWING INDEX, SCHEDULES

BUILDING "D"

HINDU COMMUNITY and CULTURAL CENTER

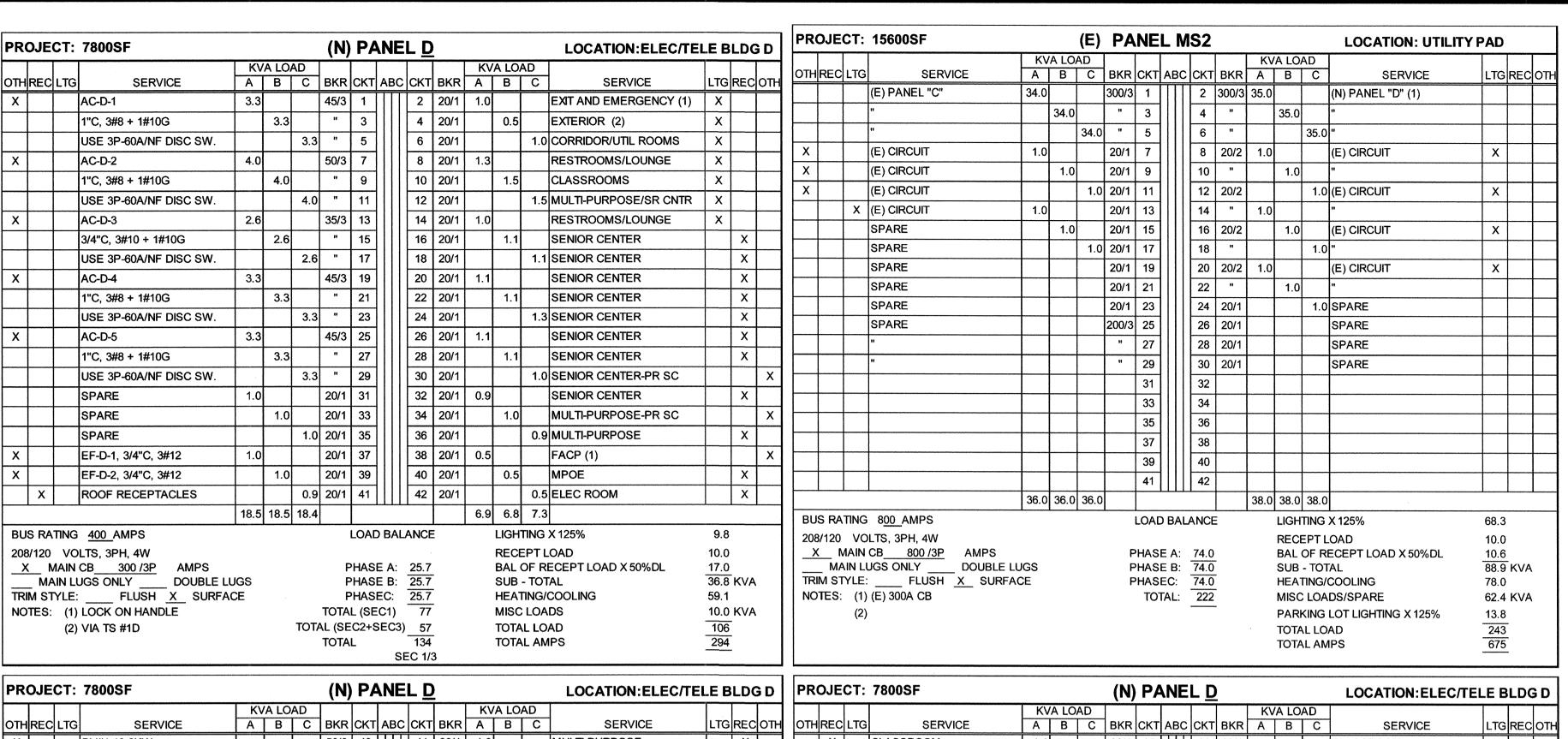
1200 ARROWHEAD AVE. LIVERMORE, CA 94551

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E-mail: Mail@APincSF.com 09021(D)

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PROJECT: ARROWHEAD



PR	OJE	CT:	7800SF				(N	l) P	AN	EL [2				LOCATION:ELEC/TI	ELE BLO	OG D		PROJE	T: 7800SF				(N	PA	NEI	_ <u>D</u>				LOCATION:ELEC/	TELE BL	DG E
ОТН	REC	LTG	SERVICE		/A LC		BKF	RCKT	ГАВ	ССК	T BKF		VA LC		SERVICE	LTG RE	ЕС ОТН	H	OTHREC	LTG	SERVICE	KVA L		BKR	СКТ	ABC	CKT BKR		KVA LO		SERVICE	LTGR	EC O
X			PV#1 13.2KW	***************************************			50/3	3 43	Ш	44	20/1	1.3	3		MULTI-PURPOSE		X T		X	CLASSRO	ОМ	1.1		20/1	85	Ш	86 20/1	1.	.4		CLASSROOM		X
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			GRID-TIED INVERTER				"	57	111	58	20/		1.1		MULTI-PURPOSE	>	×	1 [ACC-D-2 2	08V 1PH 10FLA	1.	2	15/2	99		100				SPARE		
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			GRID-TIED INVERTER				"	63	111	64	20/		1.1		SENIOR LOUNGE	\	×	1		3/4"C, 2#1	2 + 1#12G	1.	2	01	105		106			***************************************	SPACE		
			17				"	65	111	66	20/	1		1.	1 SENIOR LOUNGE	>	×	T		ACC-D-4 2	08V 1PH 10FLA		1.:	2 15/2	107	\prod	108				SPACE		
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				3.2	2.9	3.	0					7.8	8 7.2	7.	0		I	7[5.6 5.	.1 5.	4				2	.4 2.0	2.1		······································	

	FEEDER SCHEDULE														
FEEDER	FEEDER DECORIDATION	CONDUIT	CDADE	CONDUCTORS (7	75°C - THW)	DEMARKS									
TAG	FEEDER DESCRIPTION	CONDUIT	SPARE CONDUIT	PHASE/NEUTRAL	GROUND	REMARKS									
603	60AMP, 3 PHASE, 4 WIRE	1-11/4°C		4-#6	1-#8										
1003	100AMP, 3 PHASE, 4 WIRE	1-11/4°C		4-#2	1-#8										
2003	200AMP, 3 PHASE, 4 WIRE	1-3 1/2°C		4-3/0	1-#6										
3003	300AMP, 3 PHASE, 4 WIRE	1-3"C	1-3"C EA	4-300KCM	1-#4	1									
1	FEEDER VOLTAGE DROP SHALL	NOT EXCEED	2%VD, UPSIZ	e feeder as require	D.										

SEC 2/3

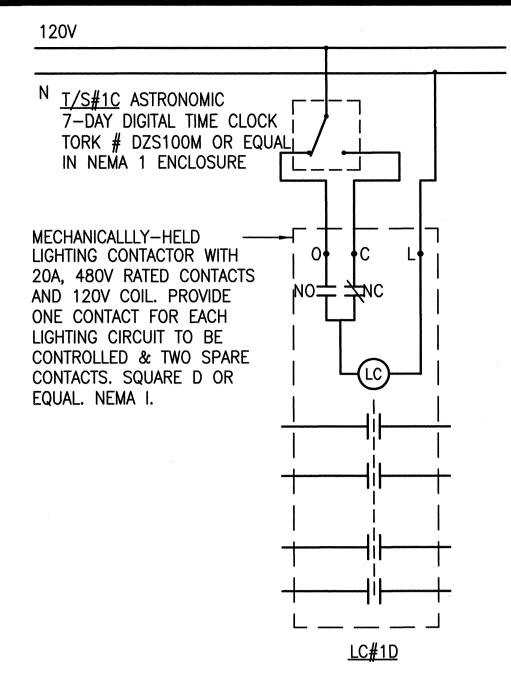
POWER SHEET NOTES:

- (1) (E) SYSTEM GROUND
- (N) SECONDARY SURGE ARRESTOR
- GRID-TIED PHOTO-VOLTAIC SYSTEM IS DESIGN-BUILD <u>UNDER SEPARATE PERMIT</u>. EQUIPMENT AND FEEDER SHOWN FOR INFORMATION ONLY. VERIFY ALL COMPONENTS WITH PV CONTRACTOR.

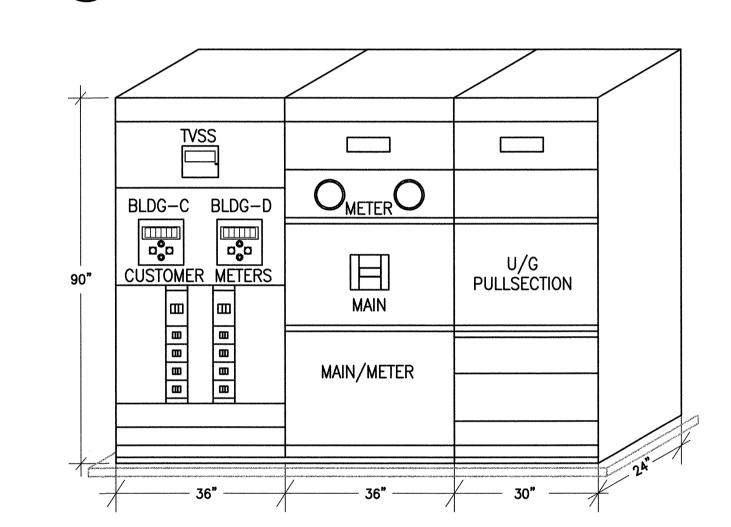
SEC 3/3

PROVIDE SYSTEM GROUND AS FOLLOWS:

#3/0 CONCRETE ENCASED ELECTRODE 100FT MIN, #3/0
BOND TO COLD WATER MAIN, GAS MAIN AND BUILDING STEEL.
RESISTANCE TO SOLID EARTH GROUND SHALL NOT EXCEED 5
OHMS. PROVIDE ADDITIONAL DRIVEN GROUND RODS AS
REQUIRED.

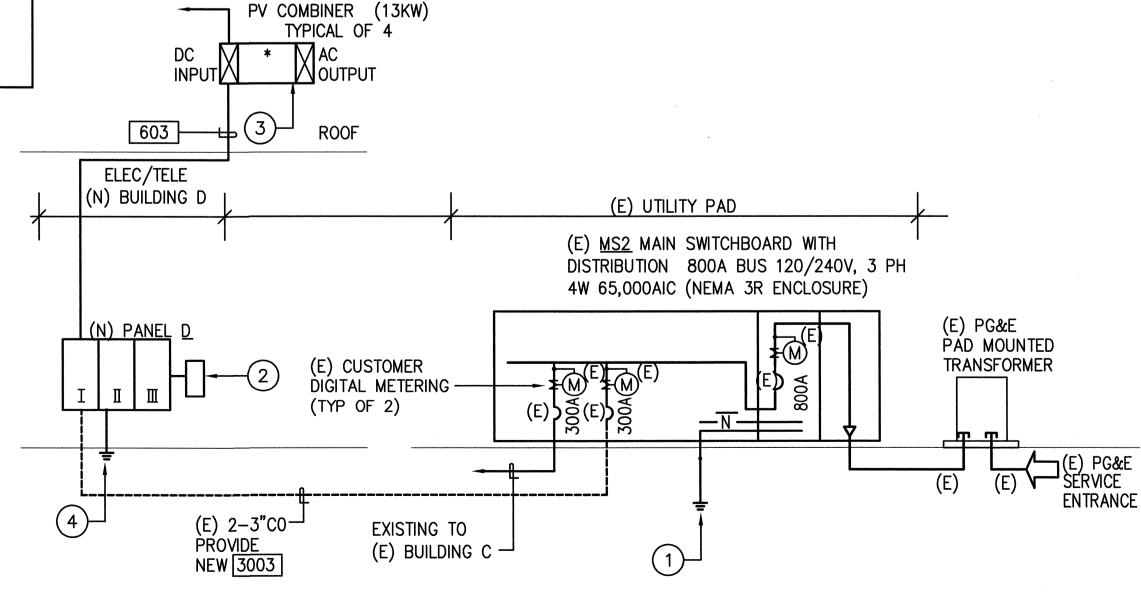


BUILDING MOUNTED EXTERIOR LIGHTING CONTROLLER



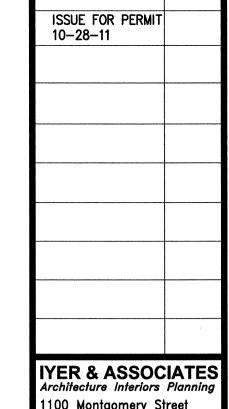
2 ELEVATION - MAIN SWITCHBOARD "MS2" (EXISTING)
NOT TO SCALE

TO PV <u>PVI#1D</u> INTERGRATED PANELS INVERTER 24"HT WITH



1 ELECTRICAL ONE-LINE DIAGRAM

NOT TO SCALE

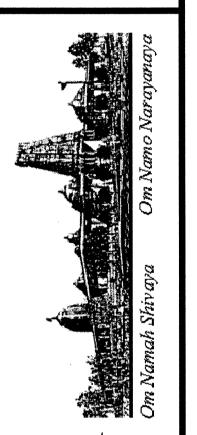


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DIAGRAMS & SCHEDULES

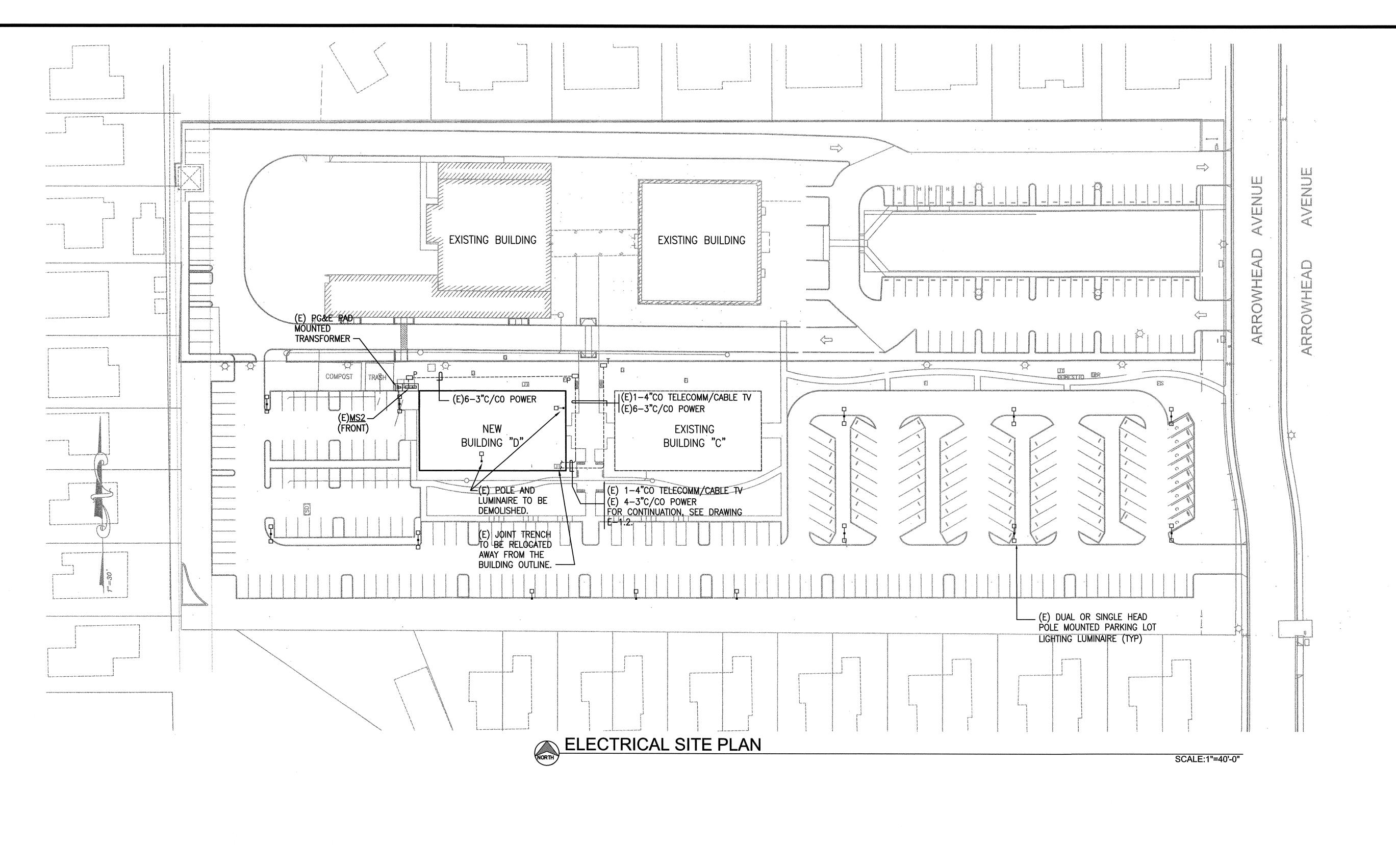
BUILDING "D"

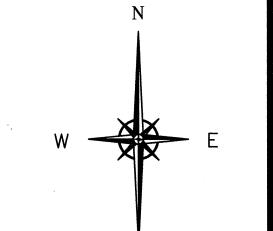
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ELECTRICAL SITE PLAN

BUILDING "D"

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1200 ARROWHEAD AVE. LIVERMORE, CA 94551

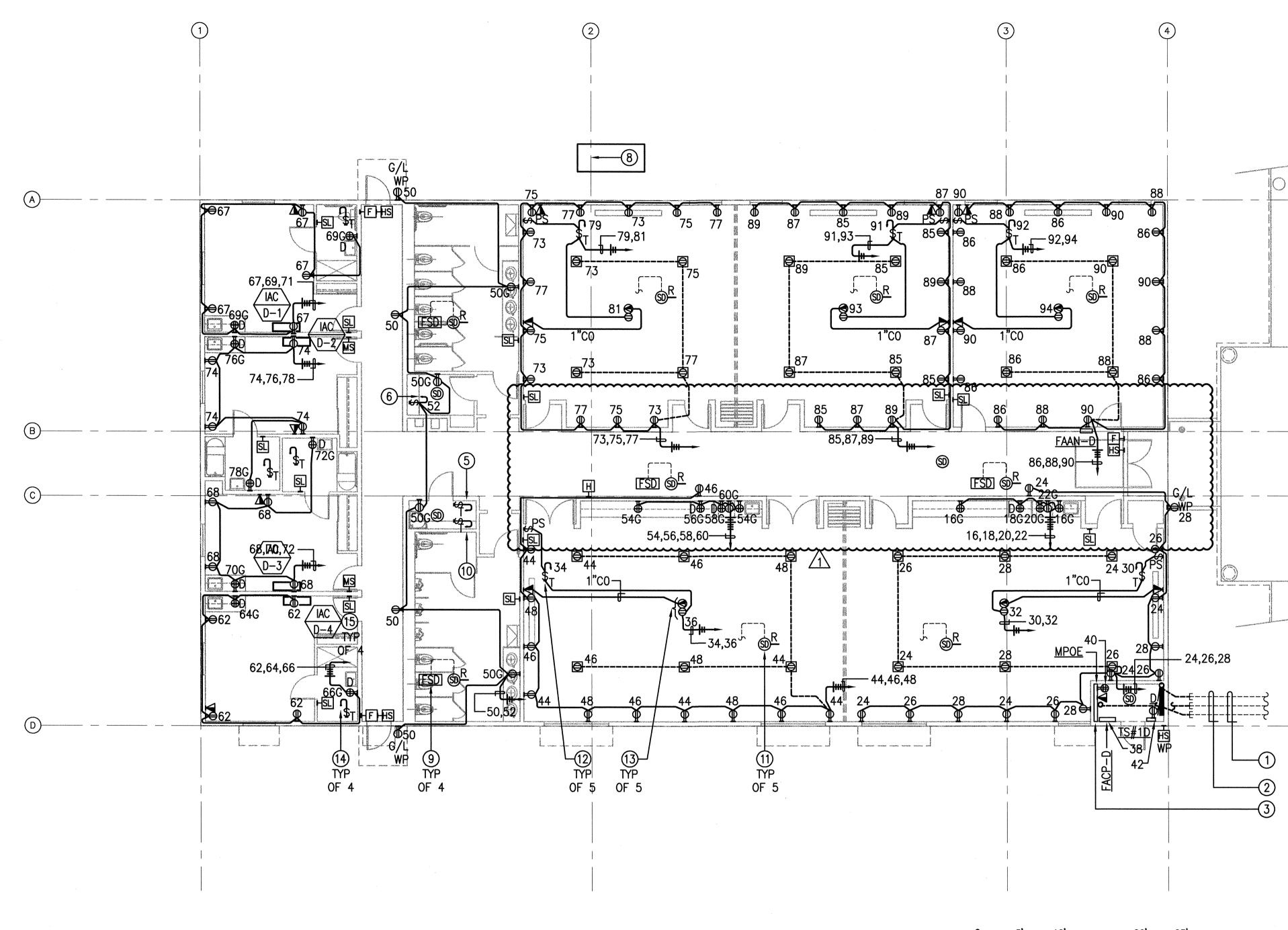
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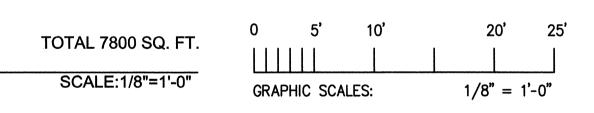




- (E) 4-2"CO (TELECOMM/CABLE TV) AND (E) 2-3"CO (POWER) PLUS (E) 2-3"CO SPARE CONDUITS. FOR CONTINUATION, SEE DRAWING E-0.2.
- 2 EXTEND SYSTEM CONDUITS RESPECTIVELY AS SHOWN.
- 3 FOR MPOE, PROVIDE AS FOLLOWS:
 - PROVIDE 8'HX PLYWOOD BACKBOARD (+6"AFF BOTTOM OF PLYWOOD ON WALL AS SHOWN) FIRE RETARDANT—TYPE PAINTED TO MATCH ROOM OR BIEGE. EDGES OF BOARD SHALL BE SMOOTH AND SPLINTER FREE.
 - PROVIDE 2-4"¢CO SLEEVE TO RUN FROM 6" BELOW CEILING TO 6" ABOVE CEILING. COORDINATE EXACT LOCATION WITH TENANT AND CABLING VENDOR
- 4 ALL CIRCUITS ARE SUPPLIED FROM PANEL "D". THE CIRCUITING OF LUMINAIRES, WIRING DEVICES AND CONTROL DEVICES, WITHIN EACH INTENDED CONTROL SCHEME, SHALL BE FULLY IMPLEMENTED USING THE PROPER TYPE AND NUMBER OF WIRES WITH CONNECTIONS AS REQUIRED. "ROUNDHOUSE" METHOD SHALL BE USED FOR ALL MULTI-CIRCUIT RUNS IN COMMON CONDUIT.
- 5 FOR HOT WATER HEATER CONTROLS. USE CIRCUIT D-80.
- 6 FOR DRINKING FOUNTAIN.
- 7 FOR FIRE DOOR OPERATOR. PROVIDE CONNECTION TO RELEASING CONTACT OF NEAREST SMOKE DETECTOR/S.
- (8) ALL HOMERUNS TO LEFT OF THIS GRID LINE SHALL BE #10 MIN.
- 9 LOOP FIRE/SMOKE DAMPERS INTO ONE 120V CONTROL CIRCUIT. USE D-84. PROVIDE FSD CONNECTION TO RELEASING CONTACT OF ASSOCIATED DUCT MOUNTED SMOKE DETECTOR.
- 10 FOR CP-1D, SPD. USE CIRCUIT D-82.
- 1) DUCT MOUNTED SMOKE DETECTOR WITH RELEASING CONTACT TO SHUT DOWN ASSOCIATED ROOFTOP UNIT ON ACTIVATION. PROVIDE CONNECTION TO SHUT-DOWN CIRCUIT OF ROOFTOP UNIT.
- FOR MOTORIZED PROJECTION SCREEN WITH WALL MOUNTED PROJECTION SCREEN CONTROLLER.
- 13 FACE DOWN ON CEILING FOR LCD PROJECTOR.
- for exhaust fan, bef-1, SMD. Connect to circuit for Lighting in Room.
- FOR CIRCUITING AND CONTROLS, SEE DETAIL 3/E-1.3.

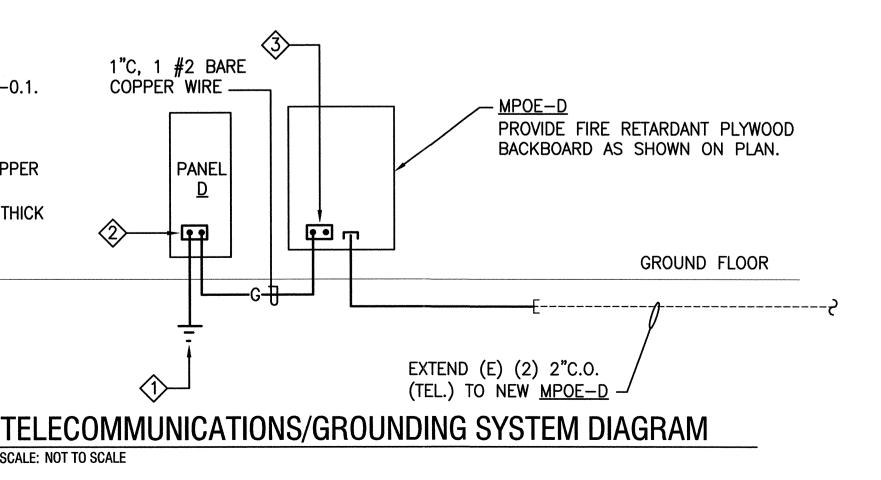


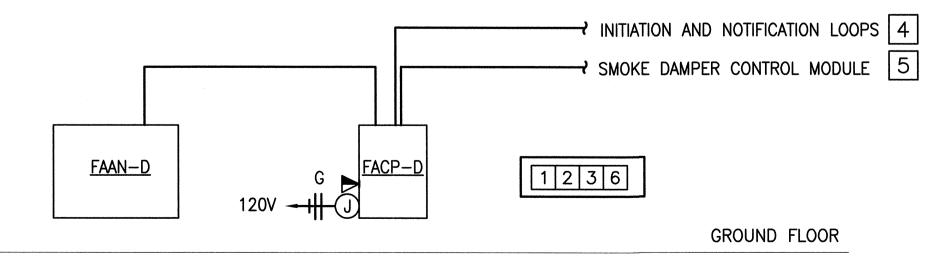




TELECOMM SHEET NOTES:

- SYSTEM GROUND. SEE DETAIL 1 SHEET E-0.1.
- ② GROUND BUS IN PANEL.
- © EQUIPMENT GROUND BUS. 1/4"x4"x12" COPPER GROUND BUS WITH 20-1/4" PRE-DRILLED HOLES, MOUNTED TO THE BOARD WITH 1" THICK RUBBER/PORCELAIN SPACERS.

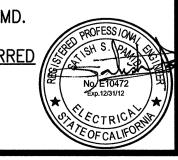




FIRE ALARM SYSTEM DIAGRAM

FIRE ALARM SYSTEM SHEET NOTES:

- ALL INSTALLATION SHALL BE IN CONDUIT. WIRING SHALL BE PER MANUFACTURER'S RECOMMENDATION. MINIMUM CONDUIT SIZE SHALL BE 3/4".
- SUBMIT SHOP DRAWINGS TO LOCAL FIRE MARSHAL FOR APPROVAL PRIOR TO START OF ANY WORK.
- NO WORK SHALL BE STARTED WITHOUT THE APPROVAL OF THE FIRE MARSHAL.
- PROVIDE FIRE ALARM SYSTEM DEVICES AS SHOWN ON PLAN AND REQUIRED BY AUTHORITY HAVING JURISDICTION.
- 5 FOR LOCATION AND QUANTITY OF DEVICES, SMD.
- 6 FIRE ALARM SYSTEM SHALL BE UNDER DEFERRED PERMITTING.



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REVISIONS

10-28-11

12-14-11 1 PLAN CHECK RESUBMITTAL

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POWER & SIGNAL PLAN

BUILDING "D"

COMMUNITY and CULTURAL CENTE

1200 ARROWHEAD AVE. LIVERMORE, CA 94551

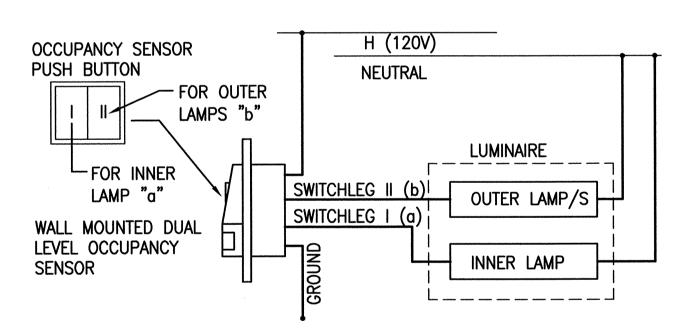
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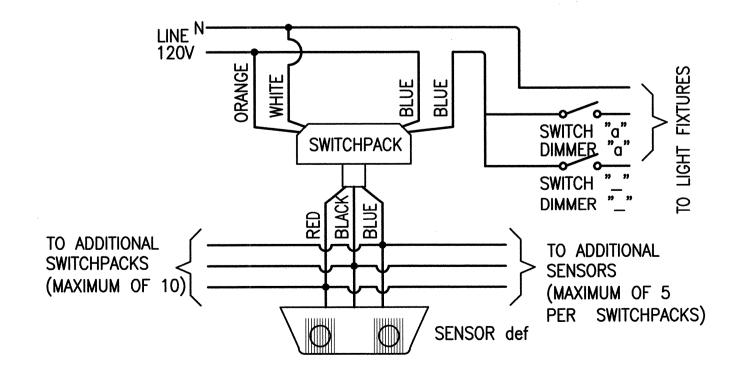
SHEET NOTES

- 1) FOR CONTROLS OF BUILDING MOUNTED EXTERIOR LIGHTING, SEE DETAIL 3 DRAWING E-0.1.
- FOR EGRESS LUMINAIRE WITH BATTERY PACK SHOWN SWITCHED, CONNECT SWITCHLEG AHEAD OF BATTERY CHARGER.
- PROVIDE WALL OR CEILING MOUNTED BI-LEVEL OCCUPANCY SENSOR AS SHOWN. CEILING MOUNTED OCCUPANCY SENSORS SHALL HAVE WALL MOUNTED BI-LEVEL OVERRIDE SWITCHES. SEE DETAIL 2 AND 3 THIS SHEET.
- ALL CIRCUITS ARE SUPPLIED FROM PANEL "D". THE CIRCUITING OF LUMINAIRES, WIRING DEVICES AND CONTROL DEVICES, WITHIN EACH INTENDED CONTROL SCHEME, SHALL BE FULLY IMPLEMENTED USING THE PROPER TYPE AND NUMBER OF WIRES WITH CONNECTIONS AS REQUIRED. "ROUNDHOUSE" METHOD SHALL BE USED FOR ALL MULTI-CIRCUIT RUNS IN COMMON CONDUIT.
- (5) WALL OR CEILING MOUNTED
- CANOPY LIGHTING TO MATCH EXISTING
 (LITHONIA# VGR4-226DTT-_-120-GEB10-DDBT-LPI).
 CONNECT TO EXISTING CANOPY LIGHTING CIRCUIT.



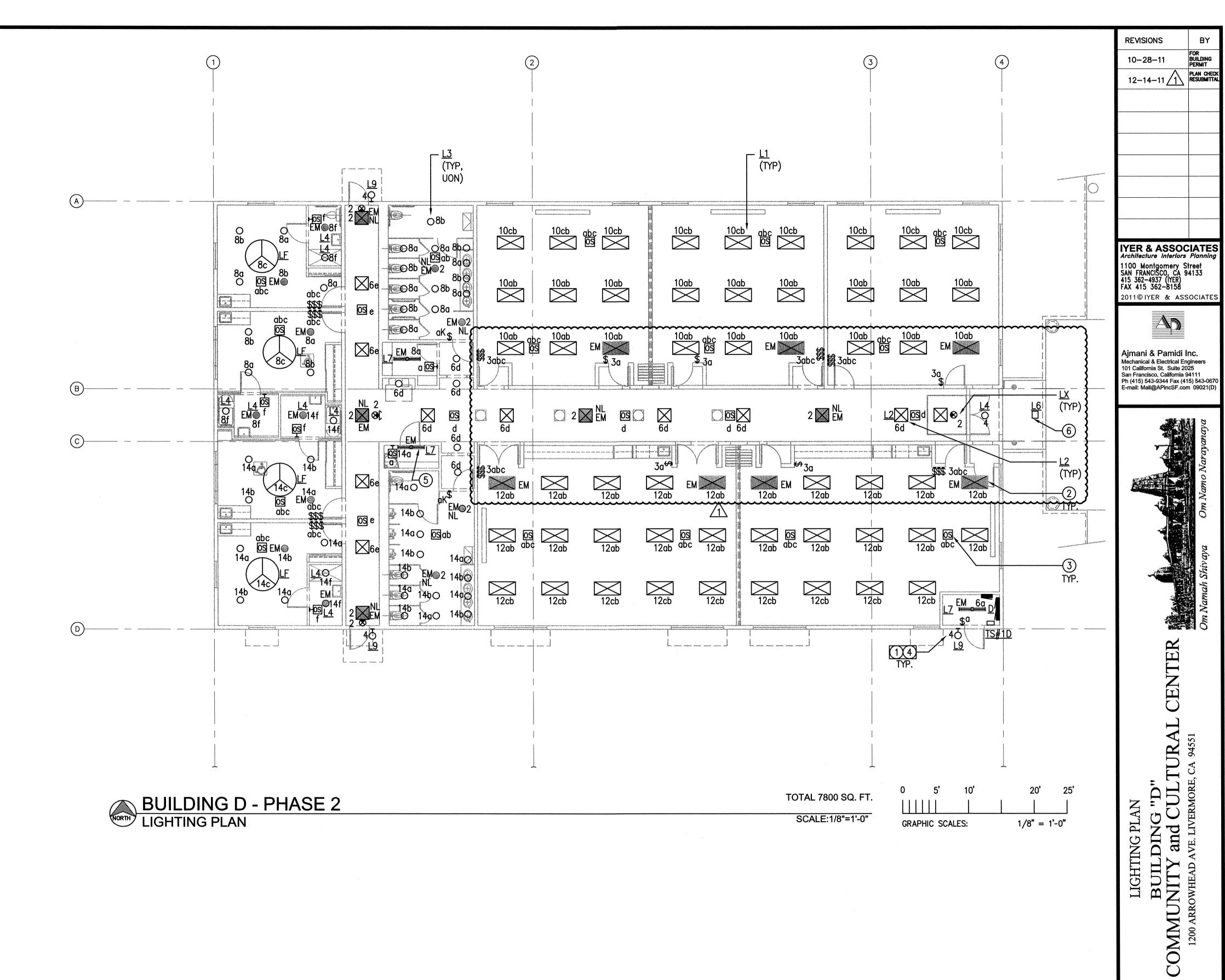
WALL MOUNTED OCCUPANCY SENSOR WIRING DIAGRAM

SCALE: NOT TO SCALE



CEILING MOUNTED OCCUPANCY SENSOR WIRING DIAGRAM

SCALE: NOT TO SCALE



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Exp. 12/31/12

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No. F10472
Exp. 12/31/12

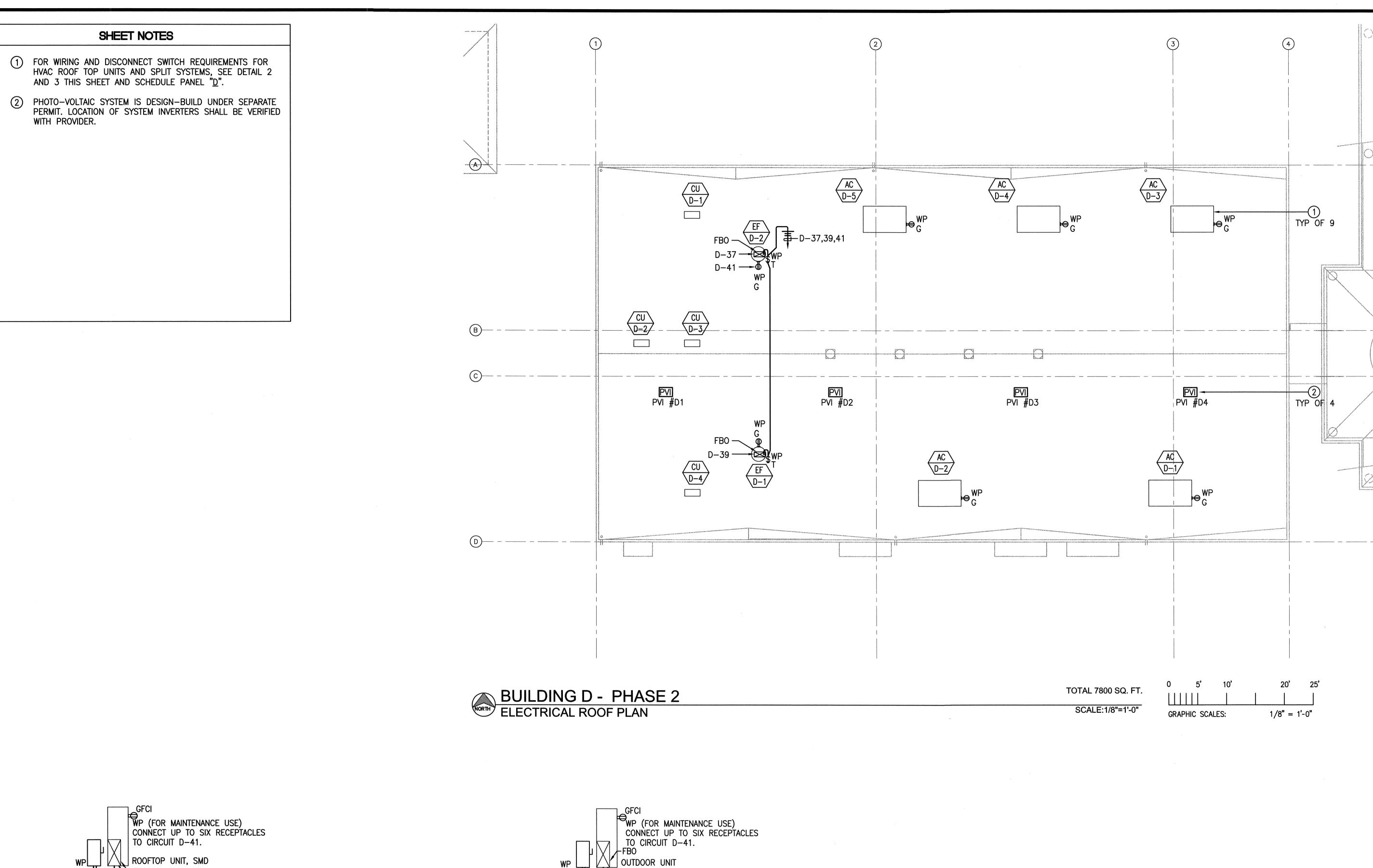
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DATE 10/28/11 SCALE: AS SHOWN

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PROJECT: ARROWHEAD



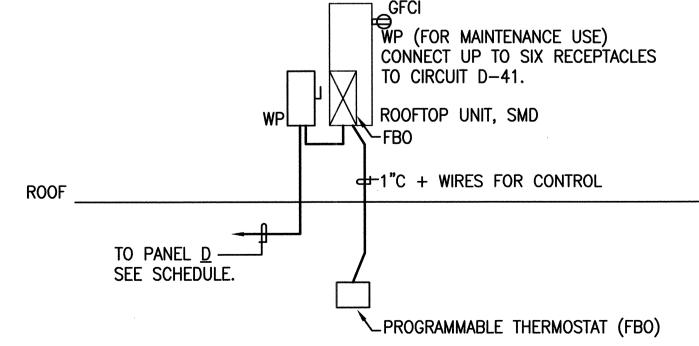
1"C + WIRES FOR CONTROL AND/OR POWER 1"C + WIRES FOR CONTROL

FOR CONDENSATE PUMP (TYP EACH

INDOOR UNIT, IF REQUIRED)
CONNECT TO NEAREST GENERAL
PURPOSE RECEPTACLE CIRCUIT.

INDOOR UNIT

FBO, UON



ROOFTOP HVAC UNIT WIRING DIAGRAM - TYPICAL

SCALE: NOT TO SCALE

ROOF

SPLIT SYSTEM HVAC UNIT WIRING DIAGRAM - TYPICAL SCALE: NOT TO SCALE

TO PANEL <u>D</u>, _____ SEE SCHEDULE.



E-1.3

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CENTER

ELECTRICAL ROOF PLAN
BUILDING "D"
COMMUNITY and CULTURAL
1200 ARROWHEAD AVE. LIVERMORE, CA 94551

HINDU

DATE 10/28/11

SCALE: AS SHOWN

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PROJECT: ARROWHEAD

1100 Montgomery Street SAN FRANCISCO, CA 94133 415 362–4937 (IYER) FAX 415 362–8158

SPECIFICATIONS

- A. GENERAL
- 1. PRIOR TO SUBMISSION OF BID, THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS.
- 2. ALL ELECTRICAL SERVICE WORK SHALL COMPLY WITH PG&E REQUIREMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL COMPONENTS, MEANS AND METHODS OF INSTALLATION AS REQUIRED BY PG&E GREENBOOK AND PUC REQUIREMENTS.
- 3. BRING TO THE ATTENTION OF THE ARCHITECT ANY CONFLICTING INFORMATION, OR MISSING INFORMATION FROM THE DOCUMENTS PRIOR TO START OF CONSTRUCTION.
- 4. PROVIDE REQUIRED COOPERATION AND COORDINATION WITH OTHER TRADES TO MAXIMIZE CONSTRUCTION EFFICIENCY.
- 5. ORDINANCES AND REGULATIONS: ALL SYSTEMS SHALL BE INSTALLED WITHIN STRICT ACCORDANCE WITH ALL APPLICABLE CITY, STATE AND NATIONAL CODES AND ORDINANCES.
- TESTING AND ADJUSTING: UPON COMPLETION FO THE WORK. TEST AND REGULATE ALL SYSTEMS TO THE INTENT OF THEIR DESIGN AND TO THE OWNER'S SATISFACTION.
- 7. WARRANTEE: ALL MATERIALS, AND EQUIPMENT FURNISHED AND INSTALLED SHALL BE NEW, UNLESS OTHERWISE NOTED, AND FREE OF ALL DEFECTS AND SHALL BE WARRANTED FOR ONE YEAR FROM DATE OF ACCEPTANCE.
- 8. LICENSES, PERMITS AND FEES: PROVIDE, PROCURE AND PAY FOR ALL PERMITS SERVICES, LICENSES, FEES, ETC., REQUIRED FOR PERFORMANCE OF THIS WORK UPON COMPLETION OF THE WORK. DELIVER TO THE OWNER. ALL CERTIFICATES OF APPROVAL SIGNED BY THE CONTROLLING AUTHORITIES.
- 9. SUBMITTAL:
 - A. SIX CATALOG CUTS FOR ALL MATERIALS AND EQUIPMENT. B. FIRE ALARM: SHOP DRAWINGS AS REQUIRED BY FIRE
 - **MARSHALL**
- 10. COORDINATE EXACT HVAC LOCATION AND VERIFY ELECTRICAL LOADS WITH THE MECHANICAL CONTRACTOR PRIOR TO INSTALLATION.
- 11. INSTALL ALL DEVICES AND EQUIPMENT PER MANUFACTURERS' RECOMMENDATIONS.
- 12. PROVIDE SUPPORTS, VIBRATION ISOLATION, AND SEISMIC BRACING.
- 13. FIRE ALARM: DEVICES SHOWN ON PLANS TO SHOW MINIMUM REQUIREMENTS FOR THIS BUILDING. IT IS THE RESPONSIBILITY OF THE DESIGN-BUILD CONTRACTOR TO PROVIDE REQUIRED AND COMPLETE DOCUMENTS FOR DEFERRED PERMIT SUBMITTAL.
- 14. THE TERM PROVIDE AS USED IN THESE DOCUMENTS IS DEFINED AS TO FURNISH AND INSTALL.
- B. MATERIAL AND METHODS
- ALL EQUIPMENT SHALL BE LISTED BY AN ACCEPTED TESTING LABORATORY AND SHALL BE INSTALLED PER LISTING OR LABELING.
- CONDUIT ROUTING SHOWN IS DIAGRAMMATIC. CONTRACTOR SHALL LAY OUT RUNS TO SUIT FIELD CONDITIONS AND THE COORDINATION REQUIREMENTS OF OTHER TRADES.
- PROVIDE A CODE SIZE GROUND WIRE IN ALL CONDUITS UNLESS OTHERWISE NOTED.
- ALL OUTLETS AND JUNCTION BOXES MOUNTED IN RATED WALL SHALL BE FIRE RATED.
- MOUNTING HEIGHT SHOWN ARE FROM FINISHED FLOOR TO CENTERLINE OF THE OUTLET OR RACEWAY. ALL MOUNTING HEIGHTS SHALL BE AS SHOWN ON THE SYMBOL LIST UNLESS OTHERWISE NOTED.
- REFER TO ARCHITECTURAL DOCUMENTS FOR CEILING TYPES AND DETAILS. PROVIDE REQUIRED LIGHTING FIXTURE ENCLOSURE, TRIMS AND MOUNTING ACCESSORIES. REFER TO APPLICABLE BUILDING CODES. PROVIDE REQUIRED FIXTURE SUPPORTS. MAINTAIN CEILING FIRE RATINGS.
- RUN ALL CONDUITS CONCEALED. IF CONDUITS ARE RUN EXPOSED, RUN PARALLEL WITH BUILDING LINES, GROUPED TOGETHER IN ORDERLY AND WORKMANLIKE MANNER, AND FANNED-OUT OF ELECTRICAL ROOM AND OR RESPECTIVE PANELBOARDS TO INDIVIDUAL DEVICES. THE ROUTING SHALL BE APPROVED BY ARCHITECT.
- 8. ALL WIRES SHALL BE COPPER #12 AWG MINIMUM.
- 9. ALL WIRING SHALL BE IN CONDUIT. 3/4" MINIMUM.
- FLEXIBLE CONDUIT: STEEL EMT CONNECTORS: SET SCREW (NO COMPRESSION)
- PULL CORD IN ALL EMPTY CONDUIT. EMT: STEEL
- INSULATION BUSHING ON 1-1/4" AND LARGER CONDUITS.
- EXTERIOR AND CONCRETE EMBEDS" PVC SCH. 40.
- METALLIC CLAD CABLE MAYBE USED WHERE SUITABLE, EXCEPT FOR FIRE ALARM SYSTEM.
- 10. THE WIRING OF LUMINAIRES, WIRING DEVICES AND CONTROL DEVICES, WITHIN EACH INTENDED CONTROL SCHEME. SHALL BE FULLY IMPLEMENTED USING THE PROPER TYPE AND NUMBER OF WIRES WITH CONNECTIONS AS REQUIRED.

C. PRODUCTS

- 1. MAIN SWITCHBOARD EXISTING MANUFACTURERS: SQUARE D
- MAIN BREAKERS: MOLDED CASE 65,000AIC MIN
- BRANCH BREAKERS: 42,000AIC MIN
- 2. PANELBOARDS:
 - A MANUFACTURERS: SIEMENS, GENERAL ELECTRIC, SQUARE D
 - OR CUTLER-HAMMER.
 - BRANCH BREAKERS: 10,000AIC MIN
 - NEUTRAL BUS: COPPER FULL LENGTH WITH LUGS
 - GROUND BUS: FULL SIZE
 - OTHERS: 60HZ, 10,000AMP BUS BRACINGS
- - A MANUFACTURERS: ALLIED TUBE & CONDUIT CORP., TRIANGLE PWC INC., WHEATLAND TUBE CO., INC. OR APPROVED EQUAL. METALLIC TYPE: RSC, IMC, EMT AND FLEXIBLE.
 - NON-METALLIC TYPE: PVC SCHEDULE 40.
- 3. CONDUCTORS: COPPER MINIMUM 75-DEG.C INSULATION (THW. THWN). MANUFACTURED BY ROME CABLE, GRAYBAR
- 4. METALLIC CLAD CABLE: ALUMINUM-CLAD, COPPER MINIMUM 75-DEG.C INSULATION (THW, THWN) MEETS UL STANDARD 1569 AND NEC 334. MANUFACTURED BY ALFLEX CORP.
- 5. BOXES:
 - MANUFACTURERS: T&B STEEL CITY, WIREMOLD WALKERBOX
- TYPE: STEEL-STAMPED. SUITABLE FOR ENVIRONMENT.
 - EXTERIOR AND SITE BOXES: CHRISTY OR FORNI.
- DEVICES:
- SWITCHES 15A-120V: LUTRON MAESTRO OR EQUAL.
- RECEPTACLES 15A/20A-120V: LEVITON DECORA PLUS OR
- WALL PLATES: LEVITON DECORA PLUS OR EQUAL
- D. SPECIALTY TYPE: NEMA CONFIGURATIONS AS SHOWN ON PLANS.
- 7. OCCUPANCY SENSOR:
- A. WALL BI-LEVEL: WATTSTOPPER WI-300
- B. CEILING: WATTSTOPPER A-1000/A-2000 WITH RELAY MODULE
- 8. LUMINAIRES: AS SCHEDULED

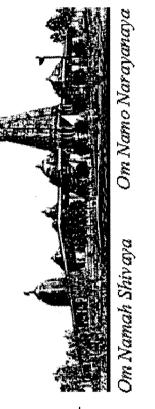
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PROJECT:

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