

**LIVERMORE**  
CALIFORNIA

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

Updated 10/1/10

LEED Credit Number	Prerequisites and possible points	Points	Indicate Total Proposed Points	Plan Sheet / Detail No.
<b>LEED for New Construction v2.2</b>				
<b>Worksheet Project Name: Hindu Community and Cultural Center Phase 1</b>				
<b>Site Work and Building C Administration</b>				
<b>Building Address: 1200 Arrowhead Avenue</b>				
<b>Points Sustainable Sites (14 points total)</b>				
Prereq 1	Required	Construction Activity Pollution Prevention	R	Sht. CE-7 for storm water control plan and CE-8 for erosion control plan.
Credit 1	1	Site Selection	1	Sht. L-1.2 for existing landscape conditions/aerial image demonstrating that site is infill on previously developed/disturbed land.
Credit 2	1	Development Density & Community Connectivity	0	
Credit 3	1	Brownfield Redevelopment	0	
Credit 4.1	1	Alternative Transportation, Public Transportation Access	0	
Credit 4.2	1	Alternative Transportation, Bicycle Storage & Changing Rooms	1	Bicycle storage, Sht. L-1.3
Credit 4.3	1	Alternative Transportation, Low-Emitting & Fuel-Efficient Vehicles	1	Sht. CE-3: 5% of preferred parking stalls assigned to low-emitting and fuel-efficient vehicles.
Credit 4.4	1	Alternative Transportation, Parking Capacity	1	Sht. CE-3: 5% of preferred parking spaces assigned to carpools / vanpools. Parking capacity on site meets, but does not exceed, the City requirements per the CUP.
Credit 5.1	1	Site Development, Protect or Restore Habitat	1	Vegetated area calculations, Sht. L-1.4
Credit 5.2	1	Site Development, Maximize Open Space	0	
Credit 6.1	1	Stormwater Design, Quantity Control	1	CE-7; BAHM Calculations already submitted to City
Credit 6.2	1	Stormwater Design, Quality Control	1	CE-7; Draft Maintenance Agreement submitted.
Credit 7.1	1	Heat Island Effect, Non-Roof	0	
Credit 7.2	1	Heat Island Effect, Roof	1	See Specification Section 07530 Thermoset (EPDM) Roofing
Credit 8	1	Light Pollution Reduction	1	Sht. L-3.1: Photometric diagrams and calculations

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<b>Worksheet Project Name: Hindu Community and Cultural Center Phase 1</b>			
<b>Site Work and Building C Administration</b>			
<b>Building Address: 1200 Arrowhead Avenue</b>			
Credit 1.1	1	Building Reuse, Maintain 75% of Existing Walls, Floors & Roof	0
Credit 1.2	1	Building Reuse, Maintain 100% of Existing Walls, Floors & Roof	0
Credit 1.3	1	Building Reuse, Maintain 50% of Interior Non-Structural Elements	0
Credit 2.1	1	Construction Waste Management, Divert 50% from Disposal	1
Credit 2.2	1	Construction Waste Management, Divert 75% from Disposal	1
Credit 3.1	1	Materials Reuse, 5%	0
Credit 3.2	1	Materials Reuse, 10%	0
Credit 4.1	1	Recycled Content, 10% (post-consumer + 1/2 pre-consumer)	1
Credit 4.2	1	Recycled Content, 20% (post-consumer + 1/2 pre-consumer)	0
Credit 5.1	1	Regional Materials, 10% Extracted, Processed & Manufactured Regionally	0
Credit 5.2	1	Regional Materials, 20% Extracted, Processed & Manufactured Regionally	0
Credit 6	1	Rapidly Renewable Materials	0
Credit 7	1	Certified Wood	0
<b>Points Indoor Environmental Quality (15 points total)</b>			
Prereq 1	Required	Minimum IAQ Performance	R
Prereq 2	Required	Environmental Tobacco Smoke (ETS) Control	R
Credit 1	1	Outdoor Air Delivery Monitoring	1
Credit 2	1	Increased Ventilation	0
Credit 3.1	1	Construction IAQ Management Plan, During Construction	1
Credit 3.2	1	Construction IAQ Management Plan, Before Occupancy	1
Credit 4.1	1	Low-Emitting Materials, Adhesives & Sealants	1
Credit 4.2	1	Low-Emitting Materials, Paints & Coatings	1
Credit 4.3	1	Low-Emitting Materials, Carpet Systems	1
Credit 4.4	1	Low-Emitting Materials, Composite Wood & Agrifiber Products	1
Credit 5	1	Indoor Chemical & Pollutant Source Control	1
Credit 6.1	1	Controllability of Systems, Lighting	1
Credit 6.2	1	Controllability of Systems, Thermal Comfort	0
Credit 7.1	1	Thermal Comfort, Design	0

LEED Credit Number	Prerequisites and possible points	Points	Indicate Total Proposed Points
<b>LEED for New Construction v2.2</b>			
<b>Worksheet Project Name: Hindu Community and Cultural Center Phase 1</b>			
<b>Site Work and Building C Administration</b>			
<b>Building Address: 1200 Arrowhead Avenue</b>			
<b>Points Water Efficiency (5 points total)</b>			
Credit 1.1	1	Water Efficient Landscaping, Reduce by 50%	1
Credit 1.2	1	Water Efficient Landscaping, No Potable Use or No Irrigation	0
Credit 2	1	Innovative Wastewater Technologies	0
Credit 3.1	1	Water Use Reduction, 20% Reduction	1
Credit 3.2	1	Water Use Reduction, 30% Reduction	1
<b>Points Energy and Atmosphere (17 points)</b>			
Prereq 1	Required	Fundamental Commissioning of the Building Energy Systems	R
Prereq 2	Required	Minimum Energy Performance	R
Prereq 3	Required	Fundamental Refrigerant Management	R
Credit 1	1 to 10	Optimize Energy Performance	1
	1	10.5% New Buildings	1
	2	14% New Buildings	1
	3	17.5% New Buildings	0
	4	21% New Buildings	0
	5	24.5% New Buildings	0
	6	28% New Buildings	0
	7	31.5% New Buildings	0
	8	35% New Buildings	0
	9	38.5% New Buildings	0
	10	42% New Buildings	0
Credit 2	1 to 3	On-Site Renewable Energy	0
	1	2.5% Renewable Energy	0
	2	7.5% Renewable Energy	0
	3	12.5% Renewable Energy	0
Credit 3	1	Enhanced Commissioning	0
Credit 4	1	Enhanced Refrigerant Management	0
Credit 5	1	Measurement & Verification	0
Credit 6	1	Green Power	0
<b>Points Materials and Resources (13 points total)</b>			
Prereq 1	Required	Storage & Collection of Recyclables	R

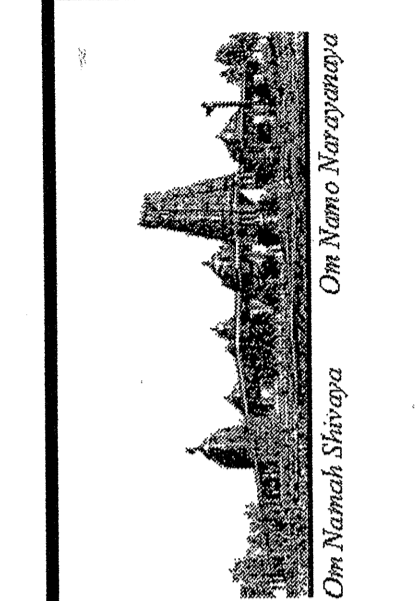
LEED Credit Number	Prerequisites and possible points	Points	Indicate Total Proposed Points
<b>LEED for New Construction v2.2</b>			
<b>Worksheet Project Name: Hindu Community and Cultural Center Phase 1</b>			
<b>Site Work and Building C Administration</b>			
<b>Building Address: 1200 Arrowhead Avenue</b>			
Credit 7.2	1	Thermal Comfort, Verification	0
Credit 8.1	1	Daylight & Views, Daylight 75% of Spaces	0
Credit 8.2	1	Daylight & Views, Views for 90% of Spaces	0
<b>Points Innovation &amp; Design Process (5 points total)</b>			
Credit 1.1	1	Innovation in Design: Onsite Composting Facility	1
Credit 1.2	1	Innovation in Design: Interactive educational kiosk	1
Credit 1.3	1	Innovation in Design: Indicate Specific Title	0
Credit 1.4	1	Innovation in Design: Indicate Specific Title	0
Credit 2	1	LEED® Accredited Professional	1
<b>Total Proposed Points</b>			<b>27</b>
<b>Total Achieved Points (For Staff Use)</b>			
<b>Credit / Inspection Notes (For Staff Use)</b>			

FOR REFERENCE ONLY

REVIEWED  
CITY OF LIVERMORE  
BUILDING DIVISION  
MAR 02 2011  
BY: JIM HODGES



REVISIONS	BY
05-24-10	HCCC
08-06-10	BPC
10-07-10	BD
10-12-10	BPC



BUILDING "C"  
 HINDU COMMUNITY and CULTURAL CENTER  
 1200 ARROWHEAD AVE. LIVERMORE, CA 94551  
 PHASE 1-B  
 LEED-NC CHECKLIST

DATE	03/12/10
SCALE:	
DRAWN BY:	RL
PROJECT:	ARROWHEAD

A-0.1

**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:

- A. Single doors shall be equipped with a single cylinder dead bolt with a turnpiece 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 through the bolt.
- B. 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-eighths inch at the top and bottom.
- C. Cylinders shall be so designed or protected with cylinder guards, that they cannot be gripped by pliers or other wrenching devices.
- D. 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 power operation.

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

City Hall  
Permit Center  
Community Development Department  
1051 South Livermore Avenue  
Livermore, CA 94550  
phone: (925) 960-4410  
fax: (925) 960-4419  
TDD: (925) 960-4104  
www.ci.livermore.ca.us

**Section 15.18.130 Special Security**

- A. 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).
- B. 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.

- F. Mounting screws for the lock case shall be inaccessible from the outside. A lock bolt shall 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.
- G. Outside pin-type hinges on all exterior doors shall be provided with non-removable pins 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 three-sixteenths-inch diameter steel and shall project into the door and jamb not less than one-quarter inch. Jamb pins are not required for hinges which are shaped to prevent removal of the door when the hinge pin is removed.
- H. Glazed panels in doors or adjacent to the doorframe shall be of approved, burglary-resistant 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)
- I. Doorjamb shall be constructed or protected to prevent violation of the function of the strike.
- L. 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**

- A. Exterior loading and unloading docks and shipping and receiving areas are not allowed.
- B. Such areas may not extend outward past the exterior walls of the building.
- C. 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.
- D. 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**

- A. Each other type of opening shall be secured as follows, where not prohibited by the building code:
  - A. Exterior transoms, with any dimension exceeding twelve inches, shall be of approved burglary-resistant material.
  - B. All skylights on the roof of any building or premises used for business purposes shall be provided with:
    - 1. 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
    - 2. 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
    - 3. 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.

- C. 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 non-removable type.
- D. 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 case-hardened 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:

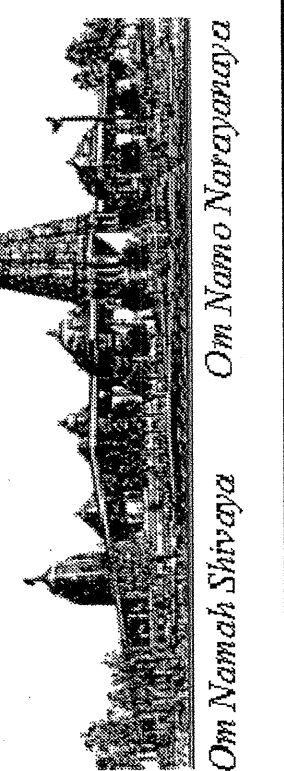
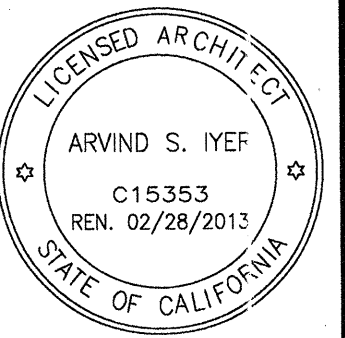
- A. Open or covered parking areas providing more than 10 parking spaces shall be illuminated with a maintained minimum of one footcandle of light at the parking surface when open for business during the hours of darkness.
- B. Lighting fixtures shall be so arranged as to disseminate light uniformly over the parking surface.
- C. Lights shall be protected from breakage or tampering.
- D. 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**

- A. All commercial buildings shall display address numerals in such a position that the numerals are easily visible to approaching emergency vehicles.
- B. 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 backlit with a fixture which is resistant to tampering and breakage, having an opaque background to which the numerals are mounted.
- C. 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.
- D. 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	FOR
10-28-11	FOR BUILDING PERMIT
12-14-11	PLAN CHECK COMMENTS

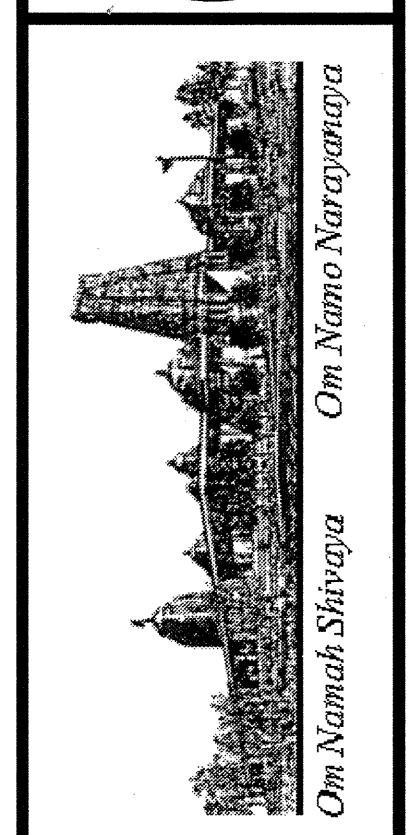
**IYER & ASSOCIATES**  
Architecture Interiors Planning  
1100 Montgomery Street  
SAN FRANCISCO, CA 94133  
415 362-4837 (NYE)  
FAX 415 362-8158  
2011 © IYER & ASSOCIATES



**BUILDING "D"**  
**HINDU COMMUNITY and CULTURAL CENTER**  
1200 ARROWHEAD AVE, LIVERMORE, CA 94551

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

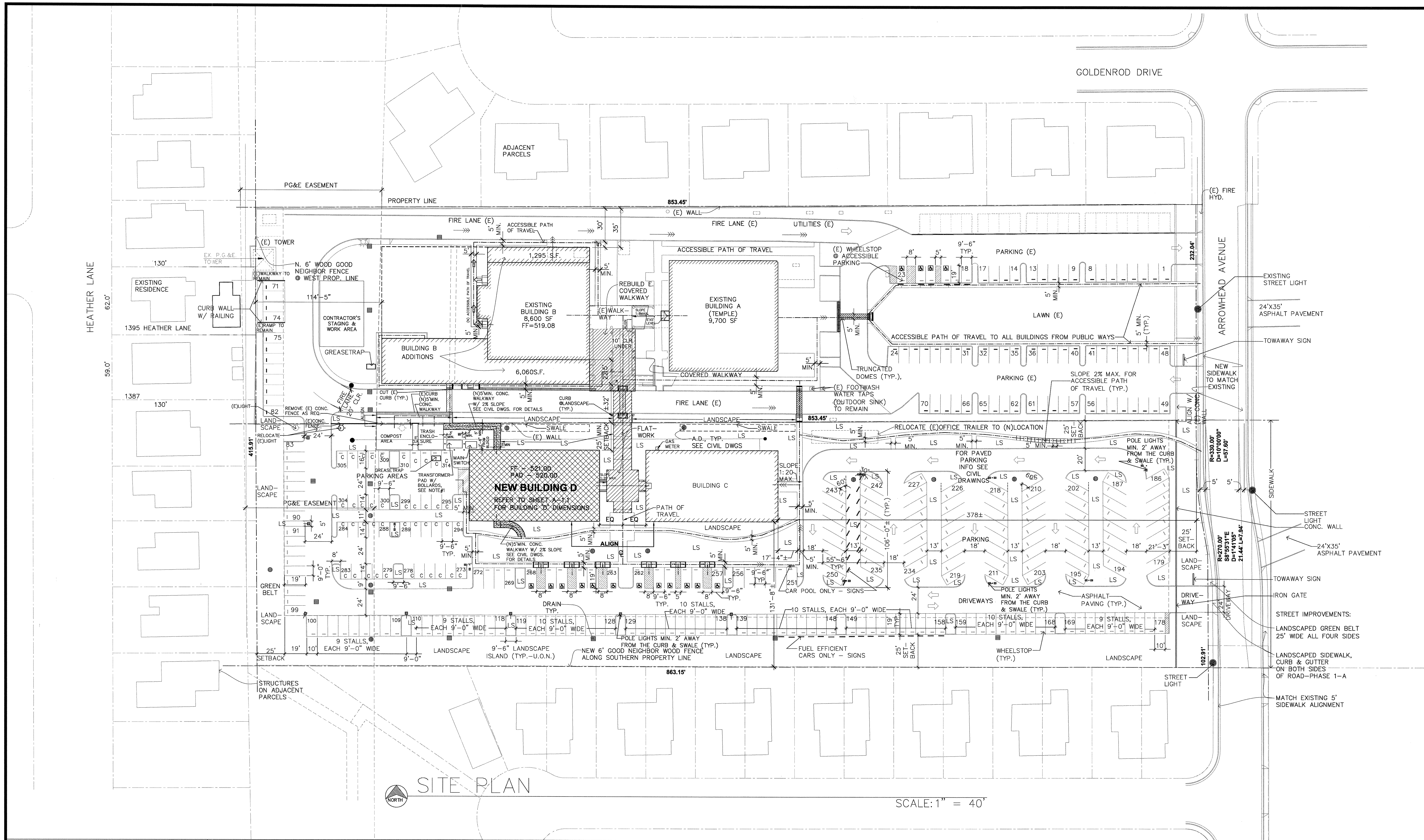
REVISIONS	FOR
10-28-11	FOR BUILDING PERMIT PLAN CHECK COMMENTS
12-14-11	FOR BUILDING PERMIT PLAN CHECK COMMENTS



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

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

A-1.0



SITE PLAN

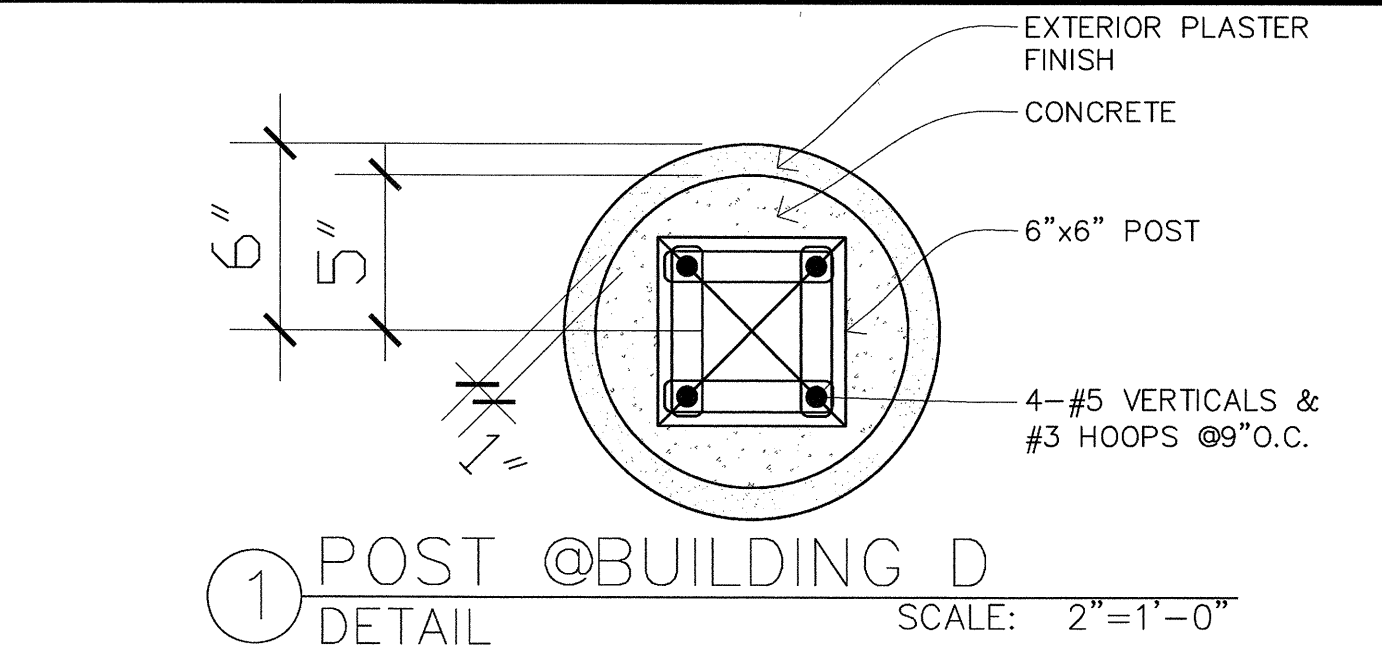
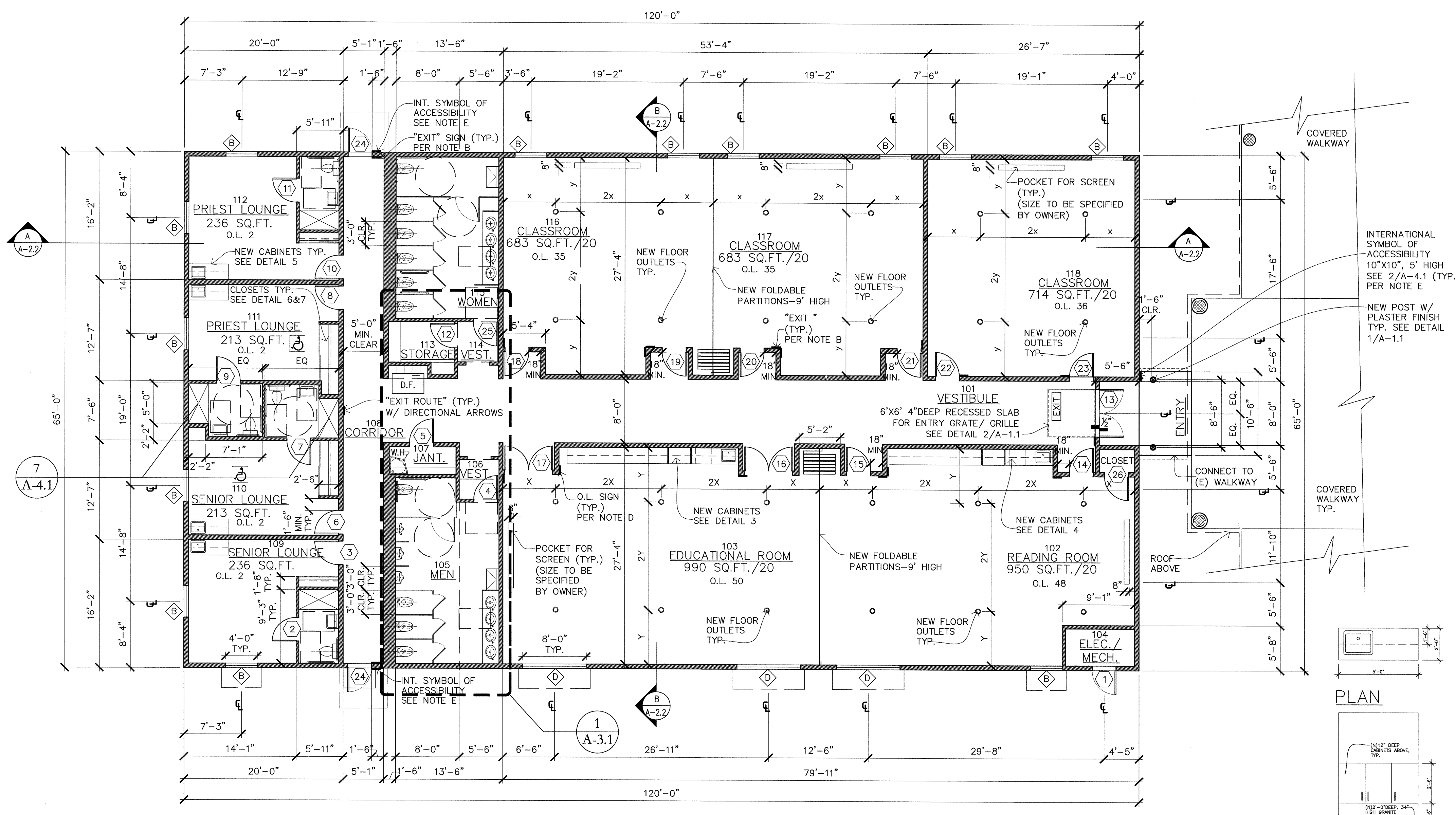
SCALE: 1" = 40'

**LEGEND:**

	EXISTING BUILDINGS
	PROPOSED ADDITION
	FUTURE
	COVERED WALKWAY
	ACCESSIBLE PATH OF TRAVEL

**NOTES:**  
 1. PROVIDE REMOVABLE BOLLARDS AS PER PG&E STANDARDS ON COMMON HOUSEKEEPING PAD. FOLLOW PG&E REQUIREMENTS FOR PLACEMENT & QUANTITY OF BOLLARDS.

TOTAL # OF PARKING SPACES -	314 (INCLUDING 16 ACCESSIBLE PARKING SPACES, 17 CAR/VAN POOL SPACES, 17 FUEL EFFICIENT CAR SPACES & 42 COMPACT CAR SPACES)
ACCESSIBLE PARKING SPACES REQUIRED -	8
PROVIDED -	16

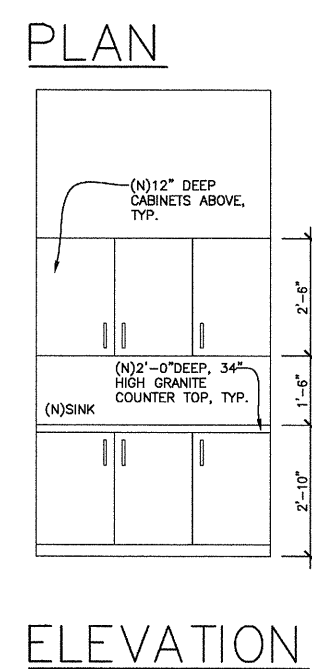
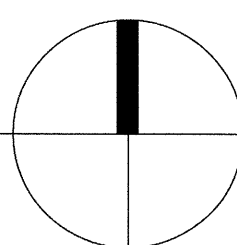


**GENERAL NOTES:**

- 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.
- DIMENSIONS, UNLESS OTHERWISE SHOWN, ARE TO STUDLINE, ROUGH CONCRETE OR CONCRETE BLOCK SURFACE.
- 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 SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT, IN WRITING, IMMEDIATELY. UNLESS REPORTED, CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DIMENSIONAL INCONSISTENCIES AND PROBABLE REMEDIAL WORK.
- 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 OR CALLED FOR.
- THE FINISHES FOR THIS PROJECT, INCLUDING BUT NOT LIMITED TO, FLOOR COVERINGS, PAINT, MOULDINGS, LIGHT FIXTURES ETC., ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- 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.
- MATERIALS REMOVED FROM THE SITE SHALL BE DISPOSED OF / RECYCLED BY THE CONTRACTOR.
- CONTRACTOR SHALL MAINTAIN COMPLETE STRUCTURAL INTEGRITY AT ALL TIMES AND SHALL PROVIDE ADEQUATE PRECAUTION FOR SAFETY OF PUBLIC LIFE AND PROPERTY.
- INSTALL SMOKE DETECTORS AS REQUIRED PER CITY, COUNTY.
- 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.
- 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.
- 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.
- 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 SCHEDULE.
- 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.
- ALL MATERIALS AND/OR EQUIPMENT SHALL BE HANDLED AND INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
- ALL COLORS AND/OR COLOR SAMPLES SHALL BE SUBMITTED TO THE PRIME CONTRACTOR WHO WILL CONSULT WITH THE OWNER FOR APPROVAL, BEFORE APPLICATION.
- WHEN ACCESSIBLE ROUTES OF TRAVEL REQUIRE ELEVATION CHANGES, A RAMP SHALL BE PROVIDED COMPLYING WITH 2010 C.B.C. SECTION 1120.
- EXTERIOR STAIRS, IF ANY, AND APPROACHES SHALL BE SLIP RESISTANT PER THE 2010 C.B.C. SECTION 1120.B.2.
- PAVING TO BE SLOPED A MAXIMUM OF 2% UP TO ACCESSIBLE ENTRANCES TO DOOR THRESHOLD.
- FIRE-BLOCK CONCEALED SPACES C.B.C. 708.
- 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.
- 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).
- ALL INTERIOR WALL AND CEILING FINISHES SHALL COMPLY WITH C.B.C. TABLE 803.9 FOR FLAME SPREAD.
- THE INTERIOR WALL AND CEILING FINISH MATERIALS TO HAVE A SMOKE DEVELOPMENT BETWEEN 0 AND 450 PER C.B.C. SECTION 803.1.

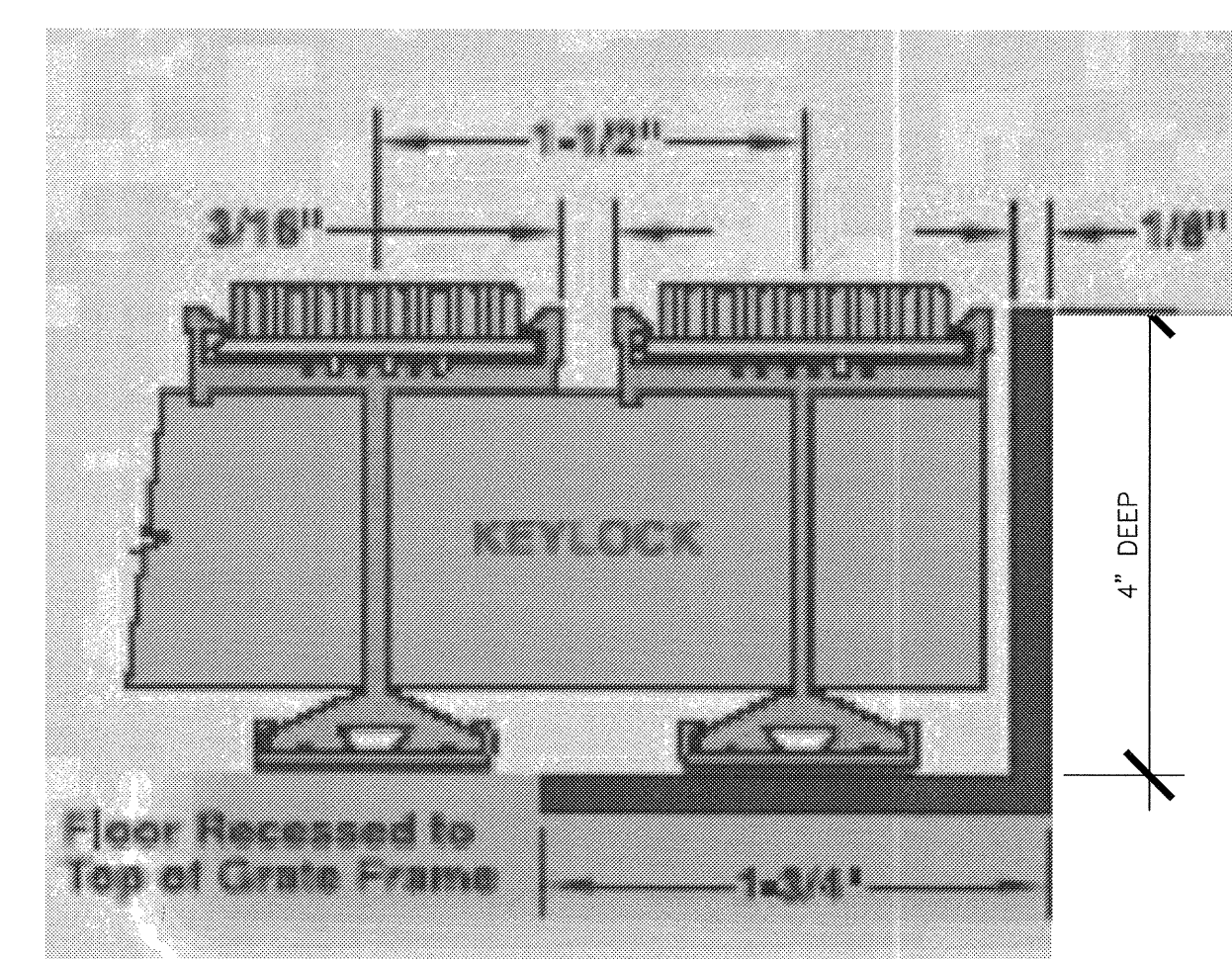
# FLOOR PLAN

1/8" = 1'-0"

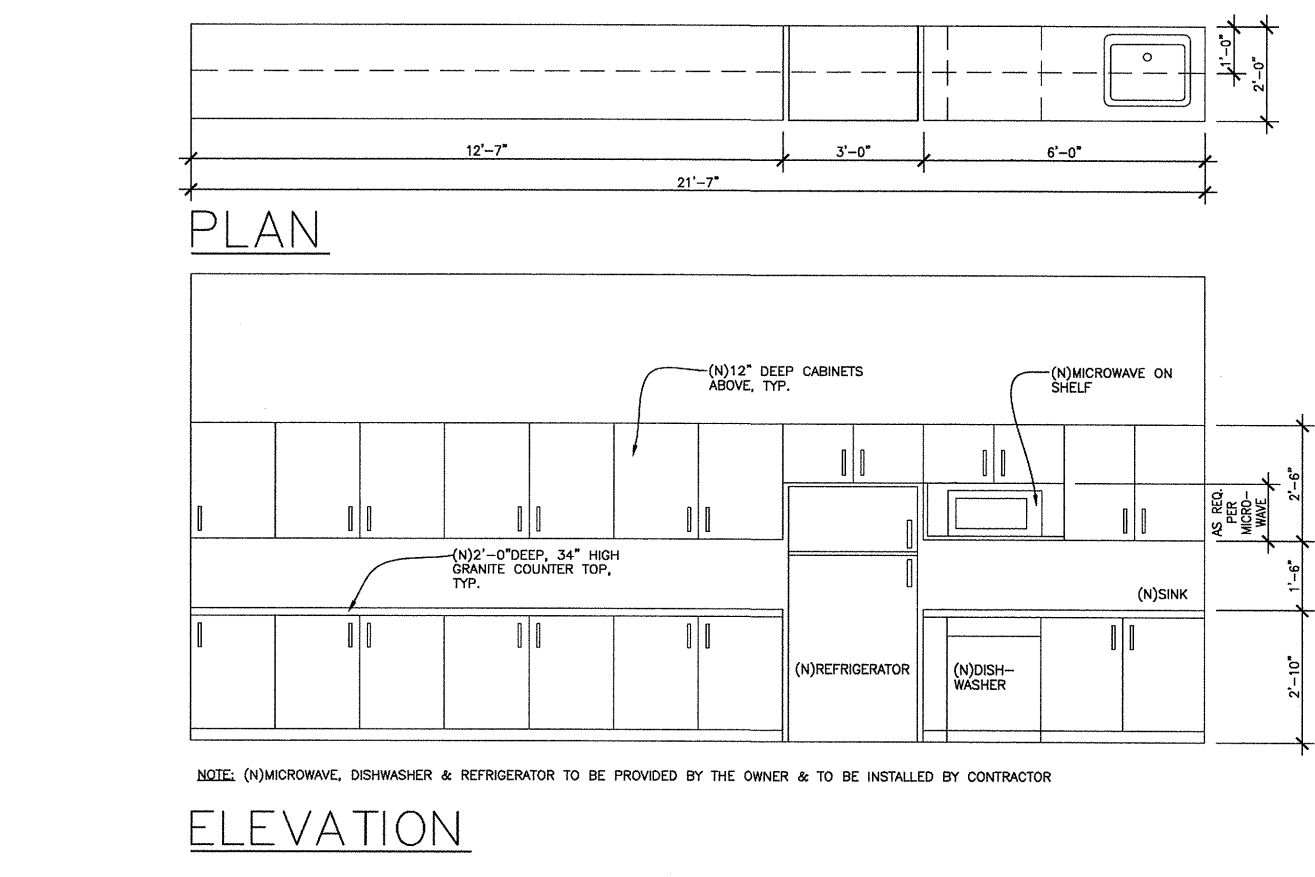


## 5 CABINETS IN PRIEST/SENIOR LOUNGE

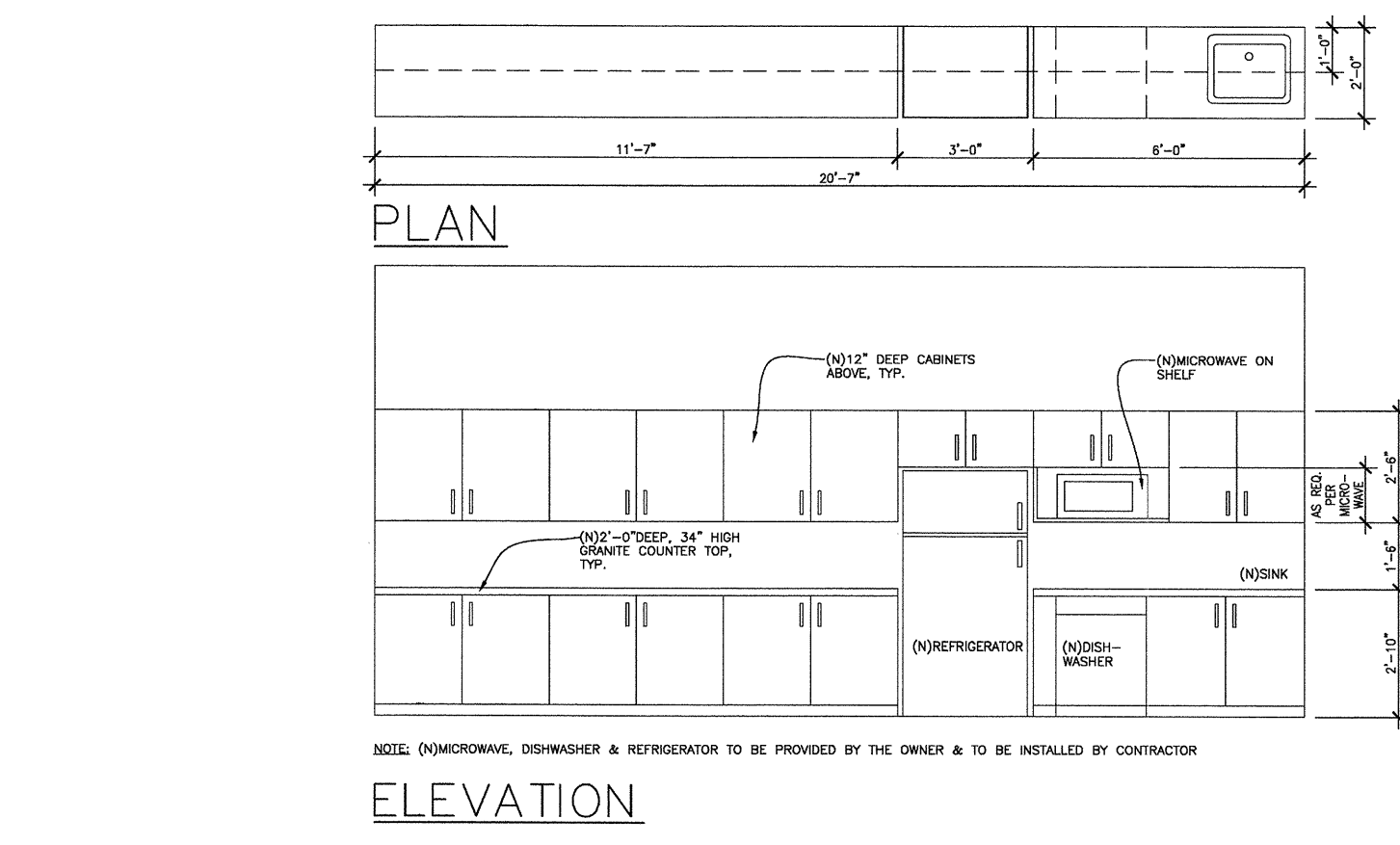
SCALE: 1/4" = 1'



2 ENTRY GRATE & GRILLE  
SCALE: N.T.S.



3 CABINETS IN EDUCATION ROOM  
SCALE: 1/4" = 1'



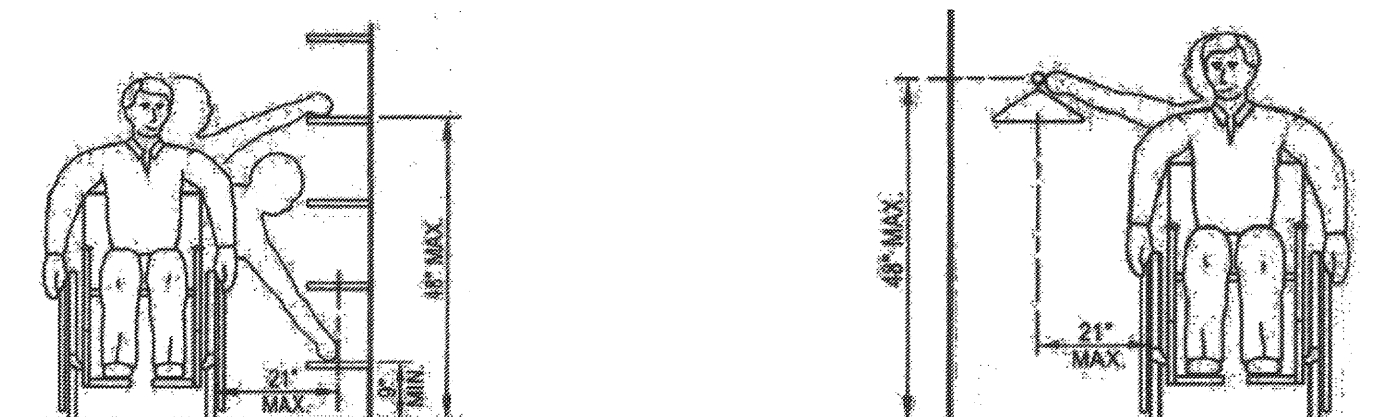
4 CABINETS IN READING ROOM  
SCALE: 1/4" = 1'



6 SHELVES  
SCALE: N.T.S.

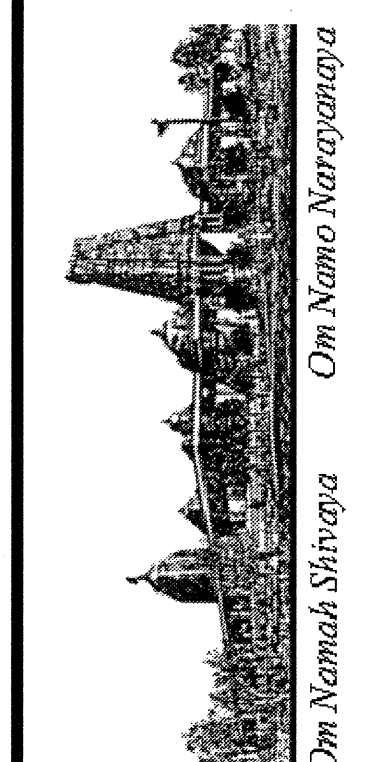
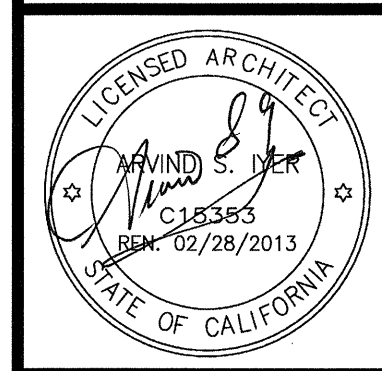


7 CLOSET  
SCALE: N.T.S.



REVISIONS	FOR
10-28-11	FOR BUILDING PERMIT
12-14-11	PLAN CHECK COMMENTS

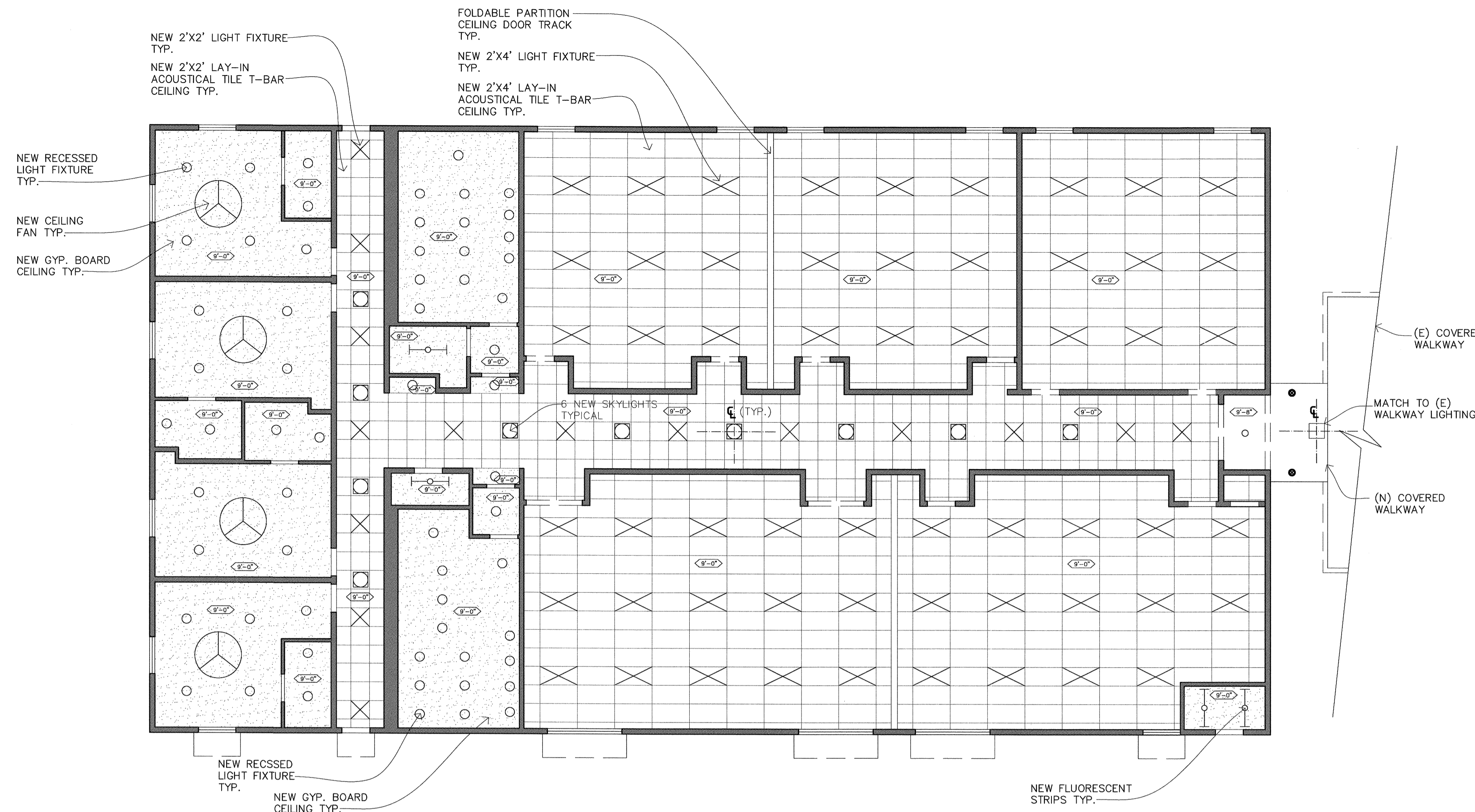
**IYER & ASSOCIATES**  
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SAN FRANCISCO, CA 94133  
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**BUILDING "D"**  
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DATE: 12/14/11  
SCALE:  
DRAWN BY: LW  
PROJECT: ARROWHEAD

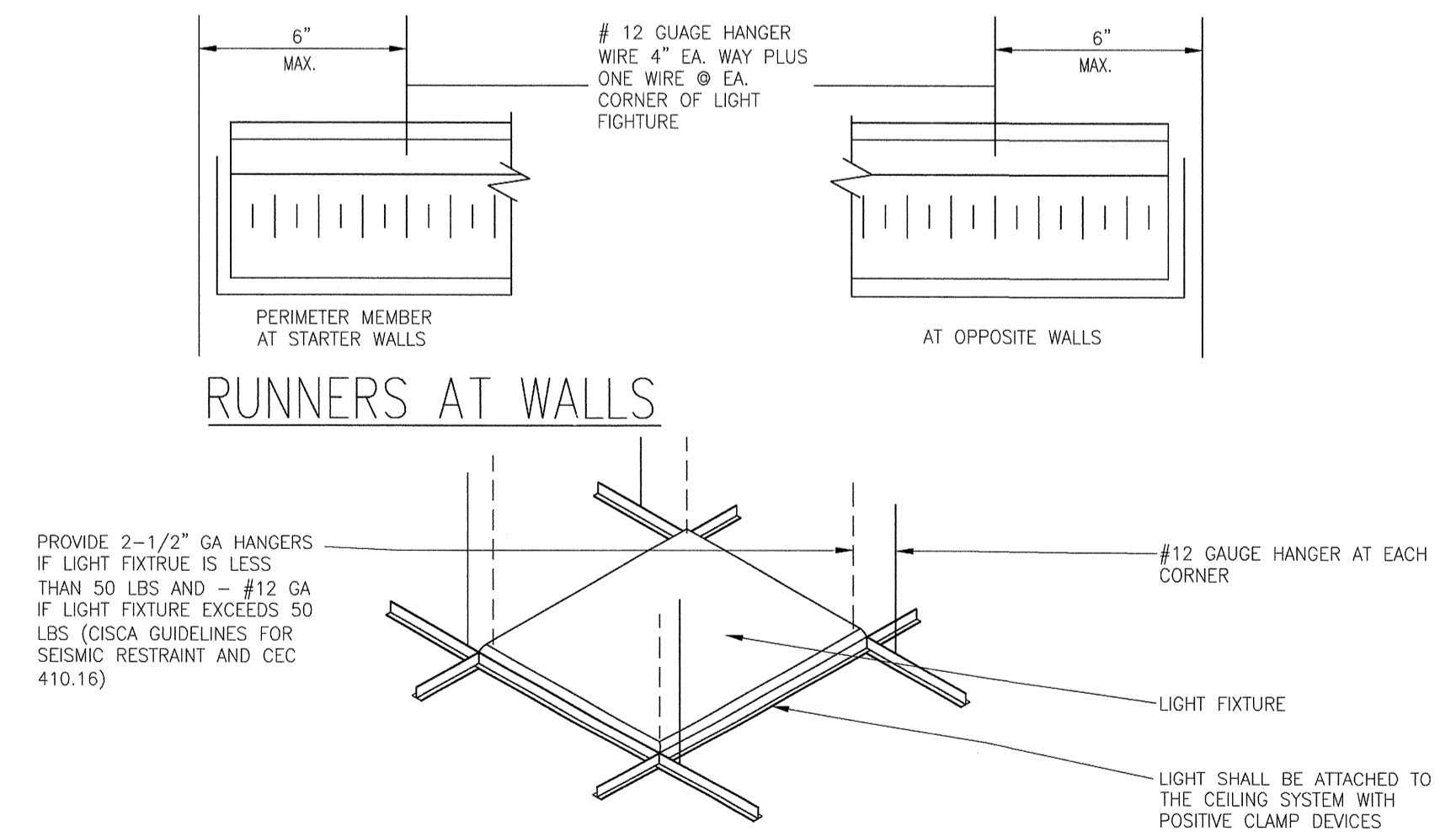
A-1.1



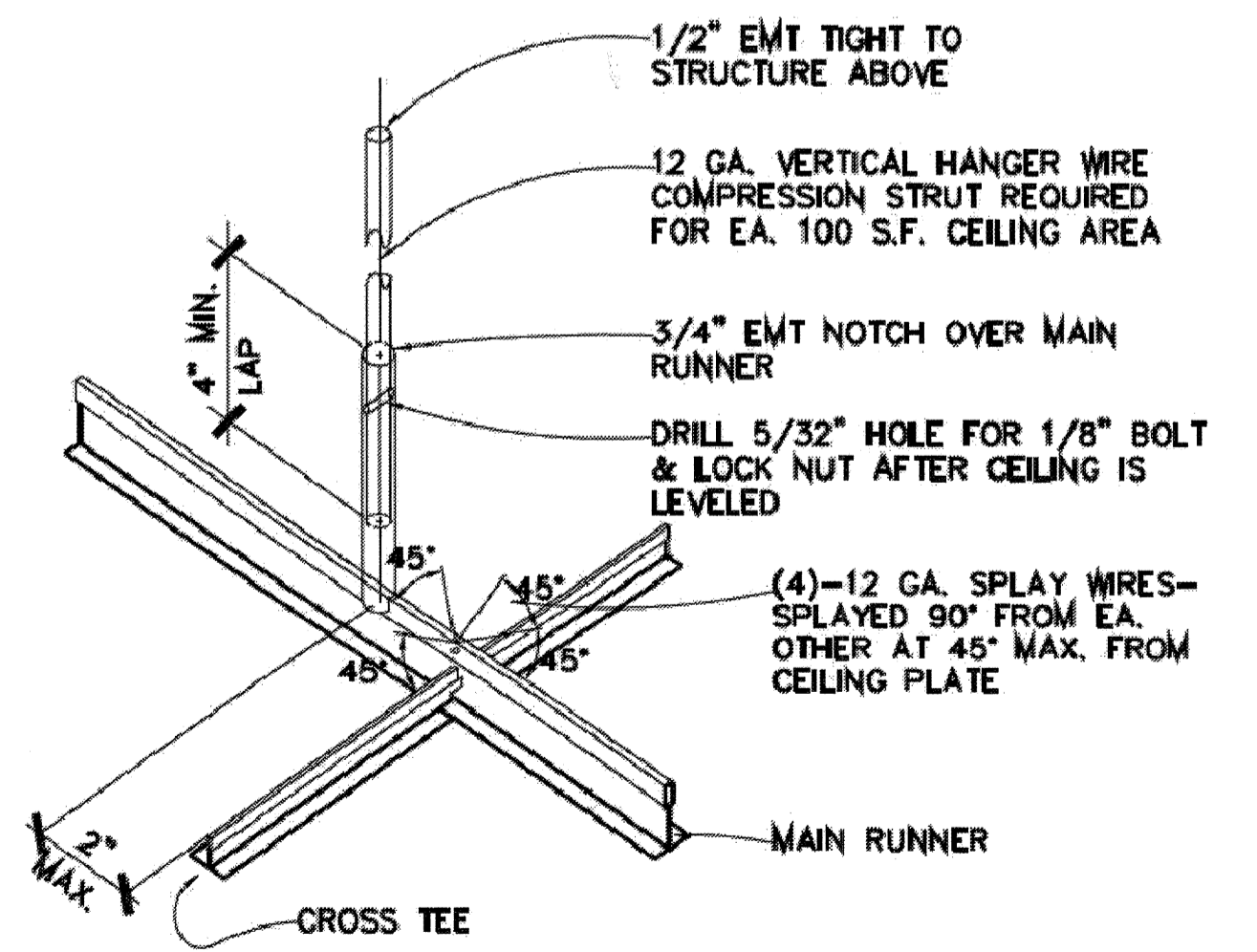
# REFLECTED CEILING PLAN

1/8" = 1'-0"

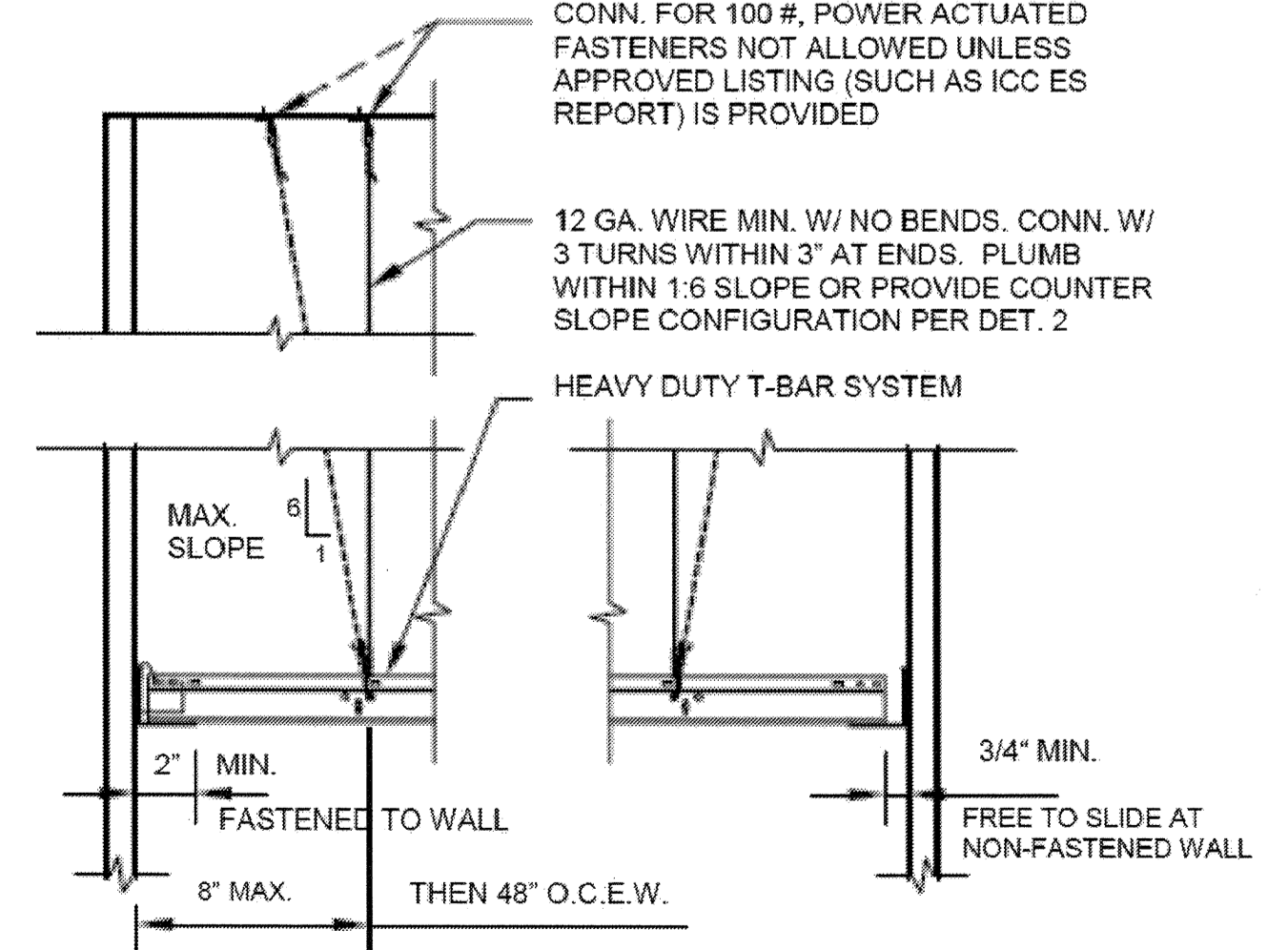
- NOTES:
1. ALL 24"x48" CEILING LIGHT FIXTURES & 24"x24" HVAC AIR REGISTERS SHALL BE SUPPORTED BY A MINIMUM OF (2) HANGERS @ OPPOSITE CORNERS. CEILING SYSTEM SHALL NOT SUPPORT OTHER ITEMS.
  2. ALL INTERIOR WALL @ CEILING FINISHES SHALL BE INSTALLED TO CLASS III FLAME SPREAD.
  3. 45 DEGREE BRACE WIRES & COMPRESSION STRUT ARE TO BE PROVIDED.
  4. ALL SUSPENDED ACOUSTICAL CEILING TO COMPLY WITH 2010 CBC CODE SECTION 803.9.1.1 IN ACCORDANCE WITH ASTM C 635 & ASTM C 636.
  5. INSTALLATIONS MUST CONFORM TO CISCA RECOMMENDATIONS FOR AREAS IN SEISMIC ZONE 3-4.
  6. COMPRESSION POST CONNECTION TO UPPER MOST STRUCTURAL MEMBER PER MANUFACTURERS' REQUIREMENTS.
  7. ATTACH HANGER WIRES TO STRUCTURAL MEMBERS ABOVE W/ SIMPSON SDS 1/2"x3" MIN. WOOD SCREWS.
  8. LATERAL DISPLACEMENT OF 1" IN ALL HORIZONTAL DIRECTIONS MUST BE PROVIDED FOR ALL THE PENETRATIONS (ASCE 7-05, SECTION 13.5.6.2.2).
  9. CABLE TRAYS AND ELECTRICAL CONDUITS MUST BE SUPPORTED INDEPENDENTLY OF THE CEILING.
  10. SPRINKLER HEADS AND OTHER PENETRATIONS SHALL HAVE A 2-INCH OVERSIZE RING, SLEEVE OR ADAPTER THROUGH THE CEILING TILE TO ALLOW FOR FREE MOVEMENT OF AT LEAST 1 INCH IN ALL HORIZONTAL DIRECTIONS. ALTERNATELY, A SWING JOINT THAT CAN ACCOMMODATE 1 INCH IN ALL HORIZONTAL DIRECTIONS IS PERMITTED TO BE PROVIDED AT THE TOP OF THE SPRINKLER HEAD EXTENSION.



① TYP. LIGHT FIXTURE MOUNTING DETAIL AT WALL SCALE: NTS



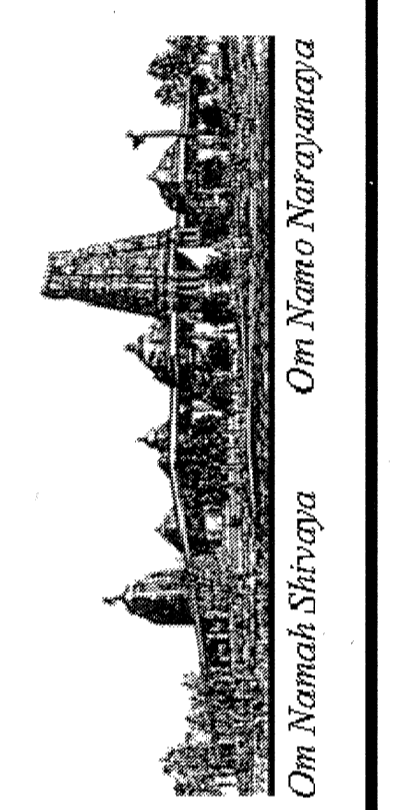
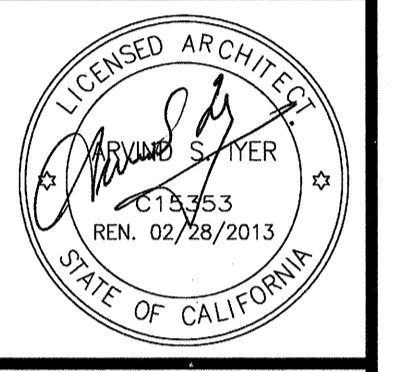
② CEILING BRACING DETAIL SCALE: NTS



③ PERIMETER SUPPORTING ANGLE DETAIL SCALE: NTS

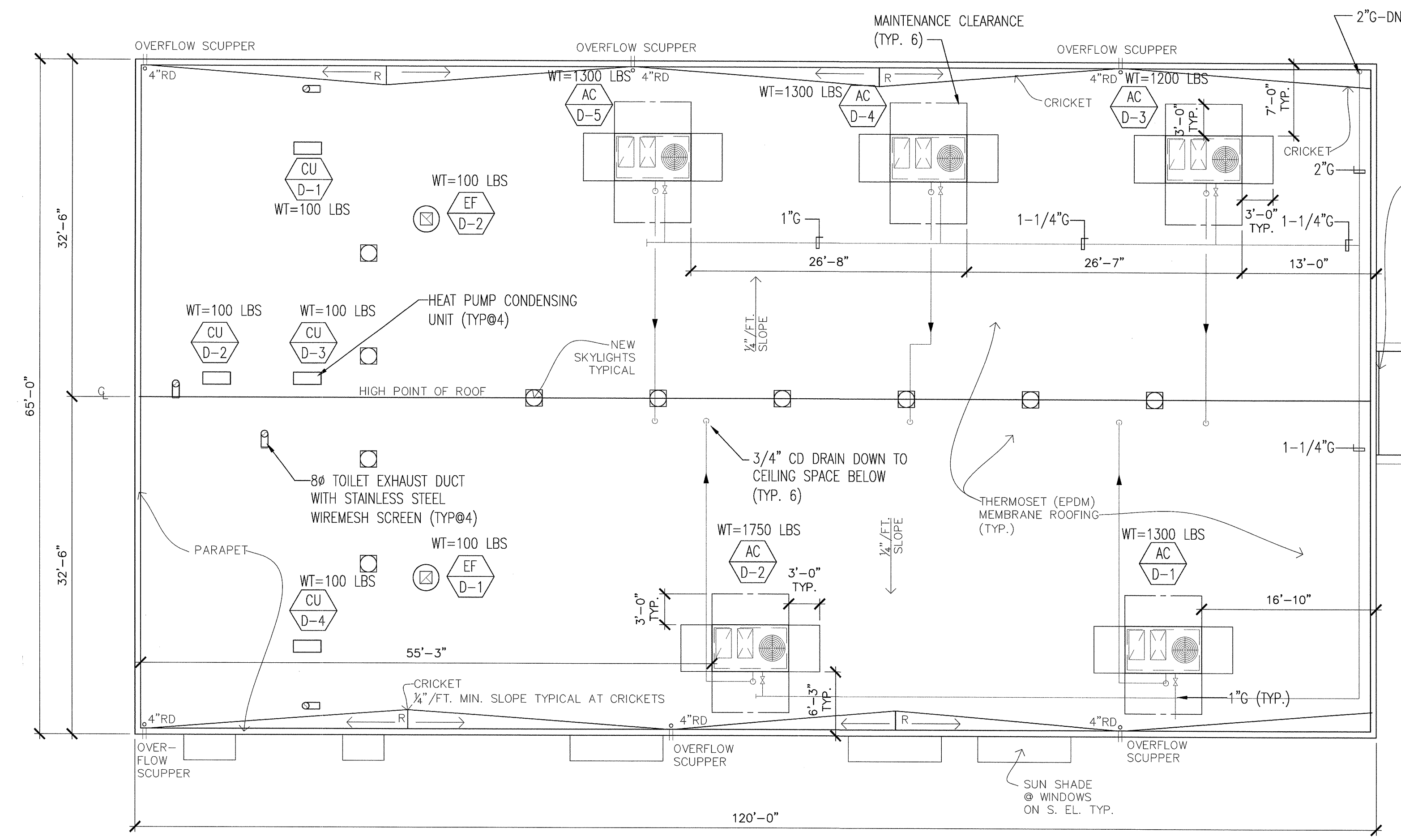
REVISIONS	FOR
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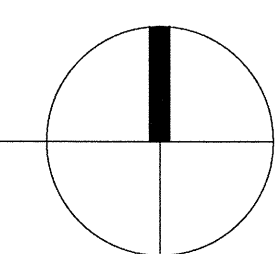
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DATE: 12/14/11  
 SCALE:  
 DRAWN BY: LW  
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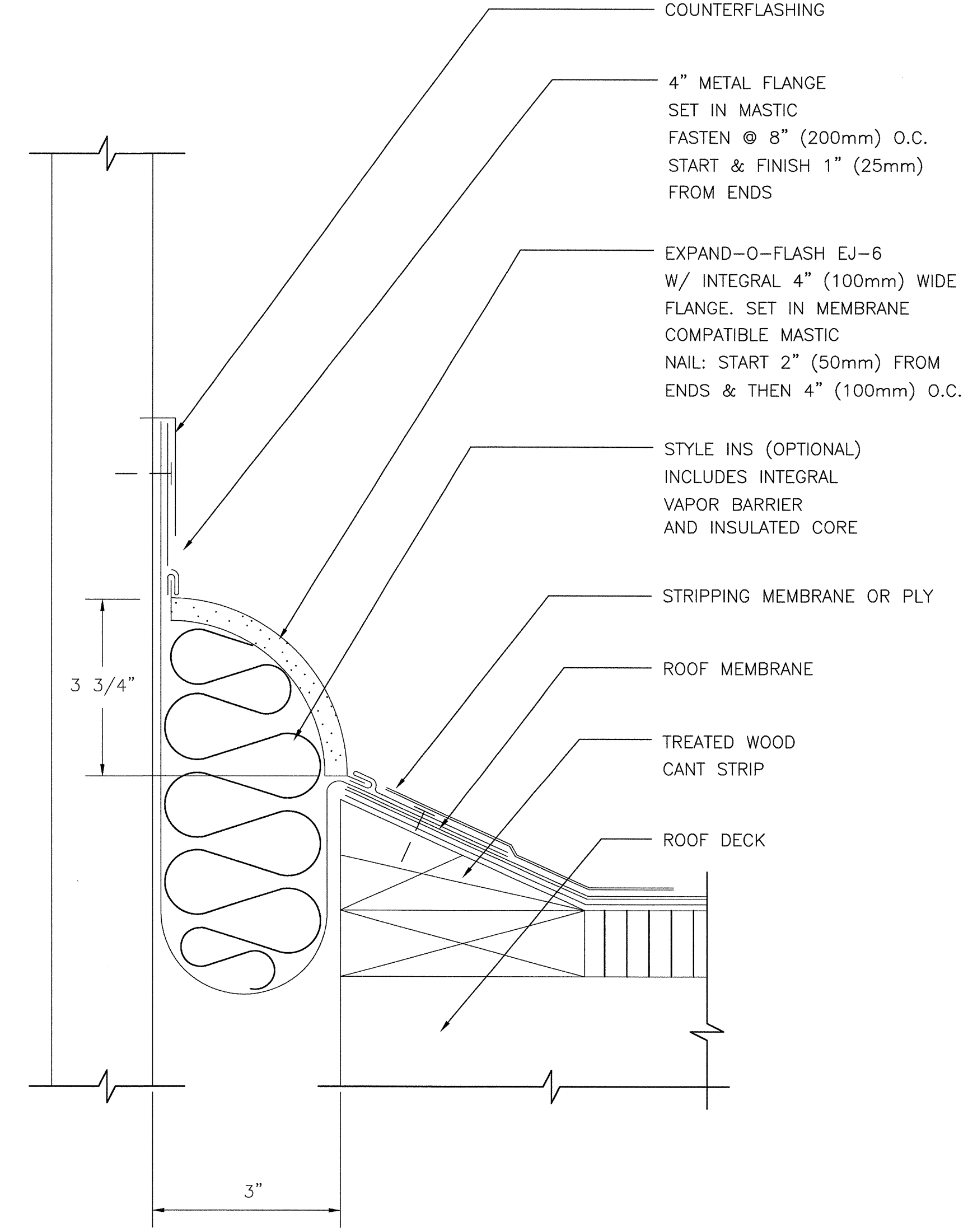
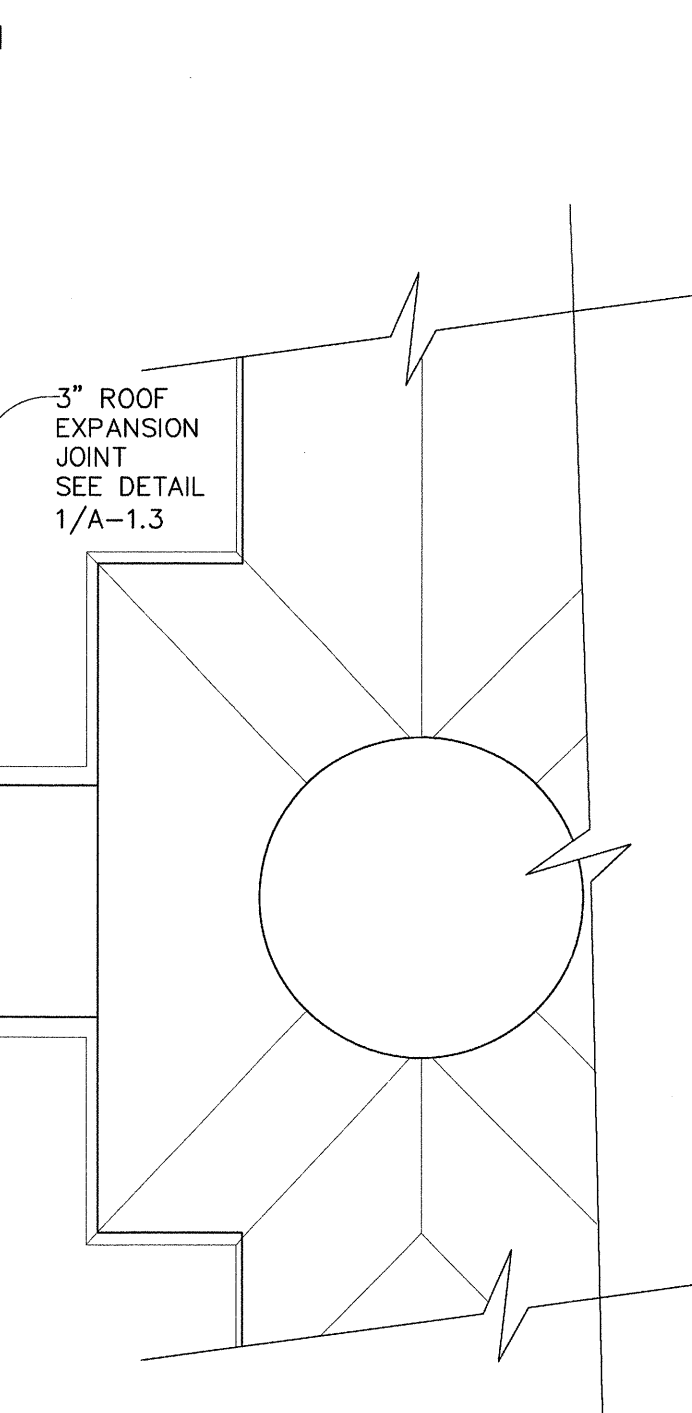


# ROOF PLAN

1/8" = 1'-0"



- 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.

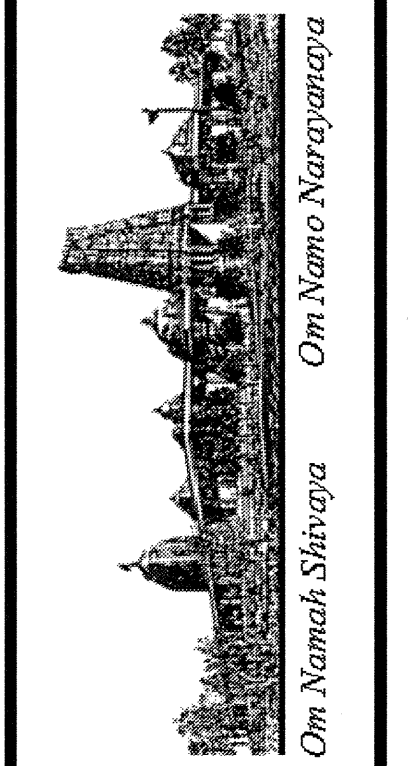


6" ROOF EXPANSION JOINT COVER, CANT TO WALL

1 ROOF EXPANSION JOINT DETAIL N.T.S.

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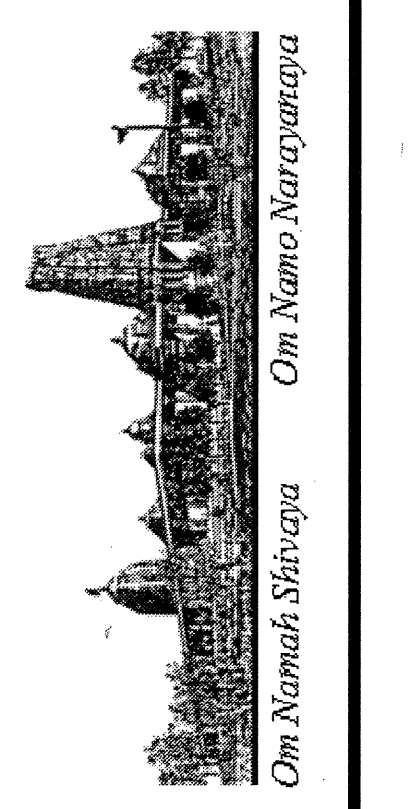
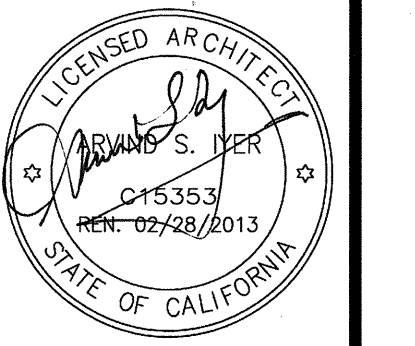


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DRAWN BY:	LW
PROJECT:	ARROWHEAD

REVISIONS	FOR
10-28-11	FOR BUILDING PERMIT
12-14-11	PLAN CHECK COMMENTS

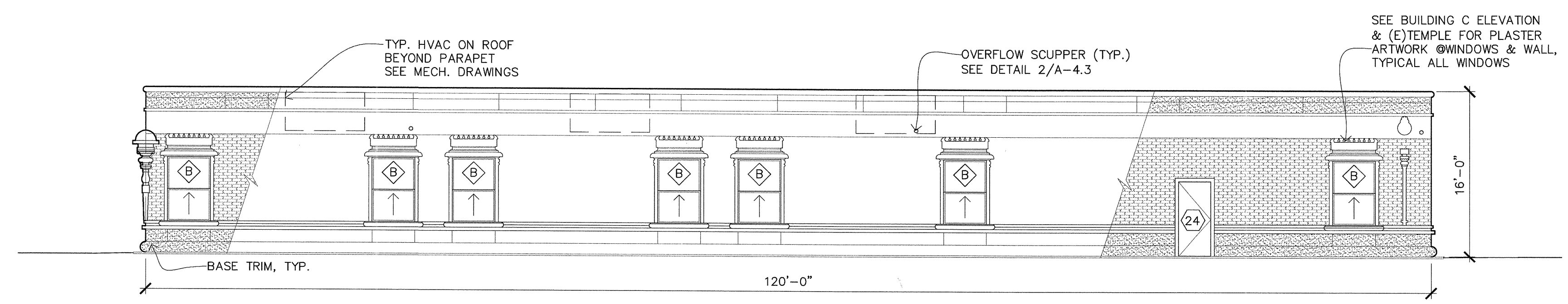
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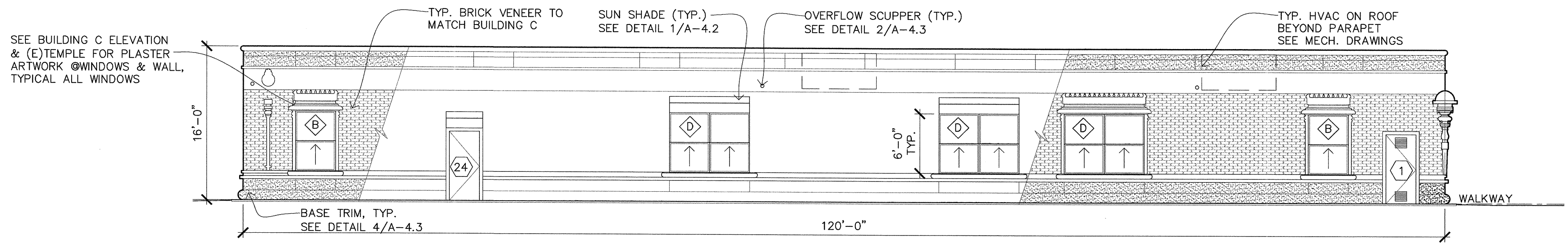
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12/14/11  
SCALE:  
DRAWN BY:  
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PROJECT:  
ARROWHEAD

A-2.1



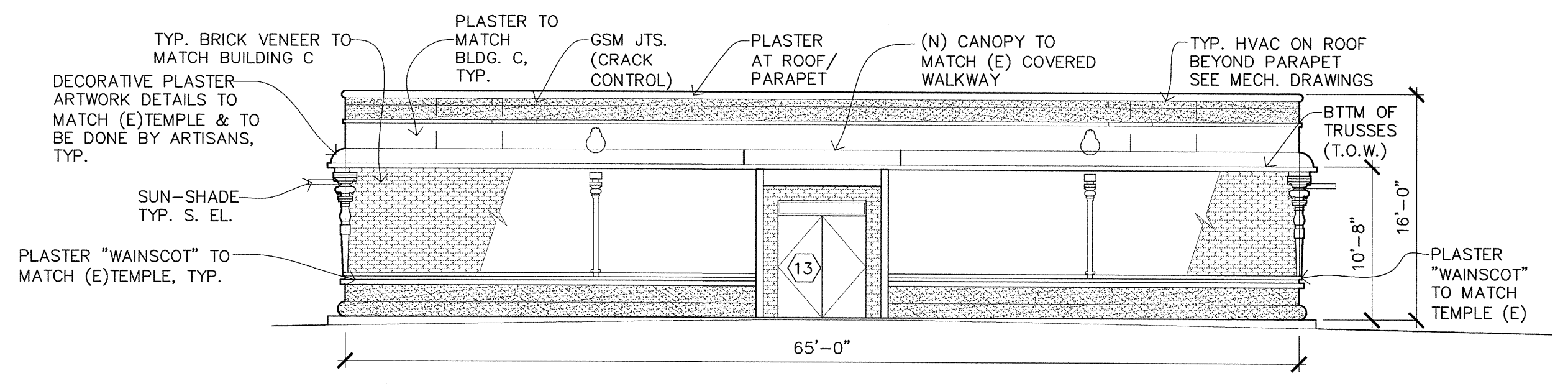
**NORTH ELEVATION**

1/8" = 1'-0"



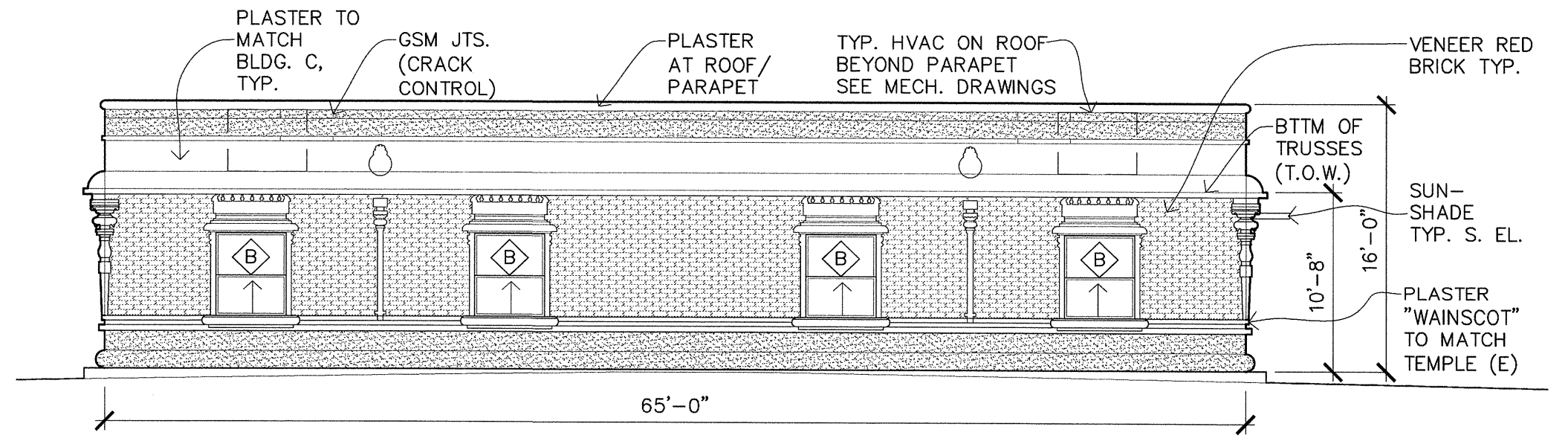
**SOUTH ELEVATION**

1/8" = 1'-0"



**EAST ELEVATION**

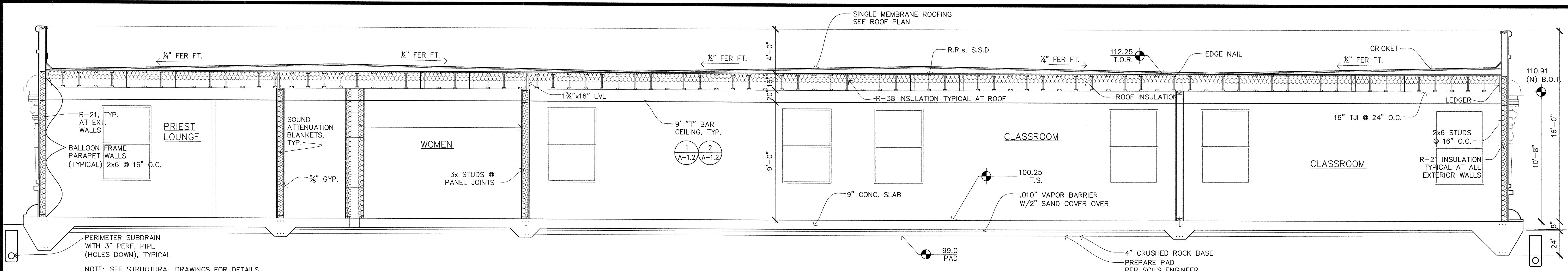
1/8" = 1'-0"



**WEST ELEVATION**

1/8" = 1'-0"

- NOTES:**
1. ALL COLUMNS TO BE PLASTERED.
  2. 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.



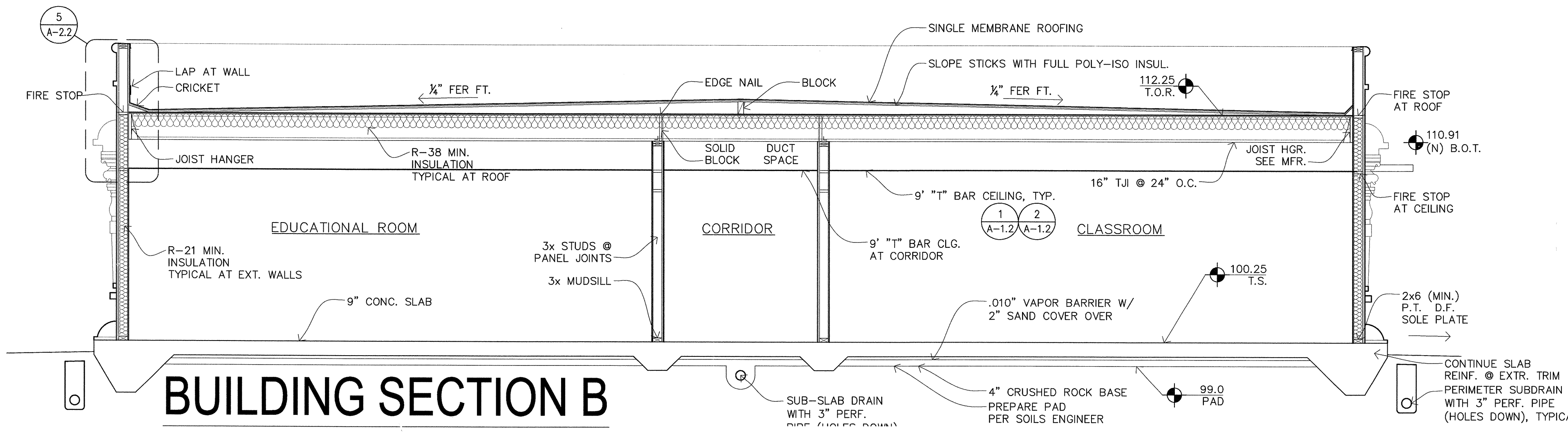
# BUILDING SECTION A

1/4" = 1'-0"

INTERIOR FINISH SCHEDULE																			
#	ROOM	FLOOR			BASE			WALL			CEILING		TRIM		OTHER		COMMENTS		
		MATERIAL	TILE	WOOD	CARPET	VINYL COMP. TILE	CONCRETE	TILE	WOOD	VINYL CODE	NONE	CYP. BOARD TEXTURED	ONE-HOUR MOISTURE RESIST. GYP.	CYP. BOARD SMOOTH	T-BAR	ONE-HOUR HEIGHT		WOOD	HEIGHT
101	VESTIBULE			MF															
102	READING ROOM			MF															
103	EDUCATIONAL ROOM			MF															
104	ELEC./ MECH'L				N														FIRE TAPE
105	MEN'S ROOM	SR																	CERAMIC TILE WAINSCOT @48"
106	VESTIBULE	SR																	
107	JANITOR	SR																	CERAMIC TILE WAINSCOT @48"
108	CORRIDOR			MF															
109	SENIOR LOUNGE			MF															
110	SENIOR LOUNGE			MF															
111	PRIEST LOUNGE			MF															
112	PRIEST LOUNGE			MF															
113	STORAGE	SR																	
114	VESTIBULE	SR																	
115	WOMEN'S ROOM	SR																	CERAMIC TILE WAINSCOT @48"
116	CLASS ROOM			MF															
117	CLASS ROOM			MF															
118	CLASS ROOM			MF															

NOTE: ALL SERVING AREA'S (EX. - CLOSETS), SHALL BE FURNISHED THE SAME AS THE AREAS THEY SERVE. UNFINISHED AREAS ARE NOTED AS SHOWN ON PLANS

SYMBOLS: F = FLAT, S = STAIN, U = URETHANE, SG = SEMI-GLOSS, G = GLOSS, MF = MANUFACTURER'S FINISH, V = VARNISH, ES = EGGSHELL, MR = MOISTURE RESISTANT, N = NO FINISH

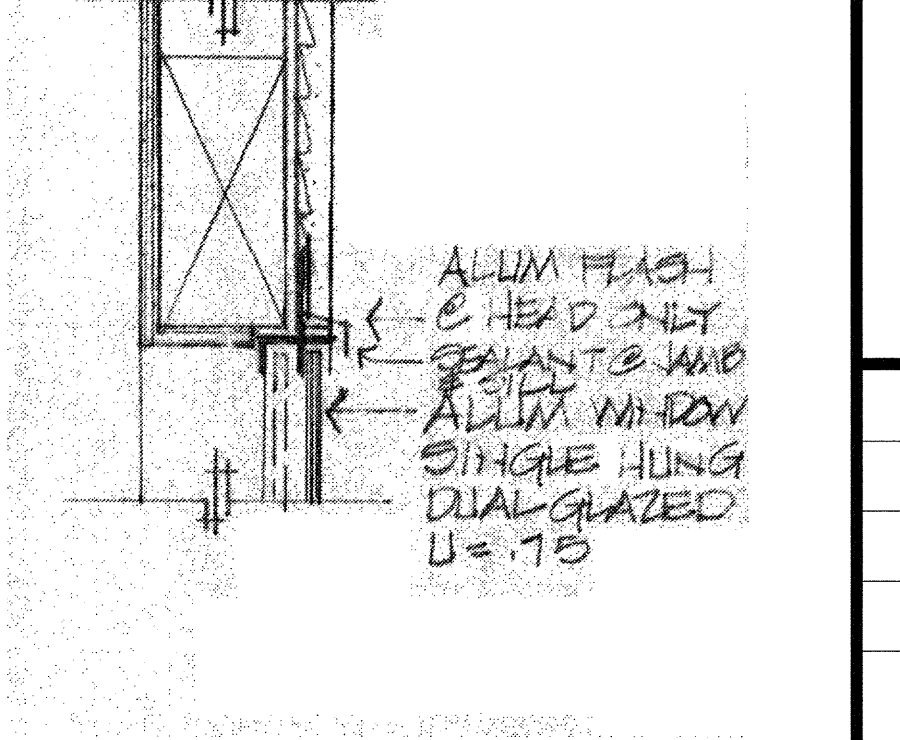
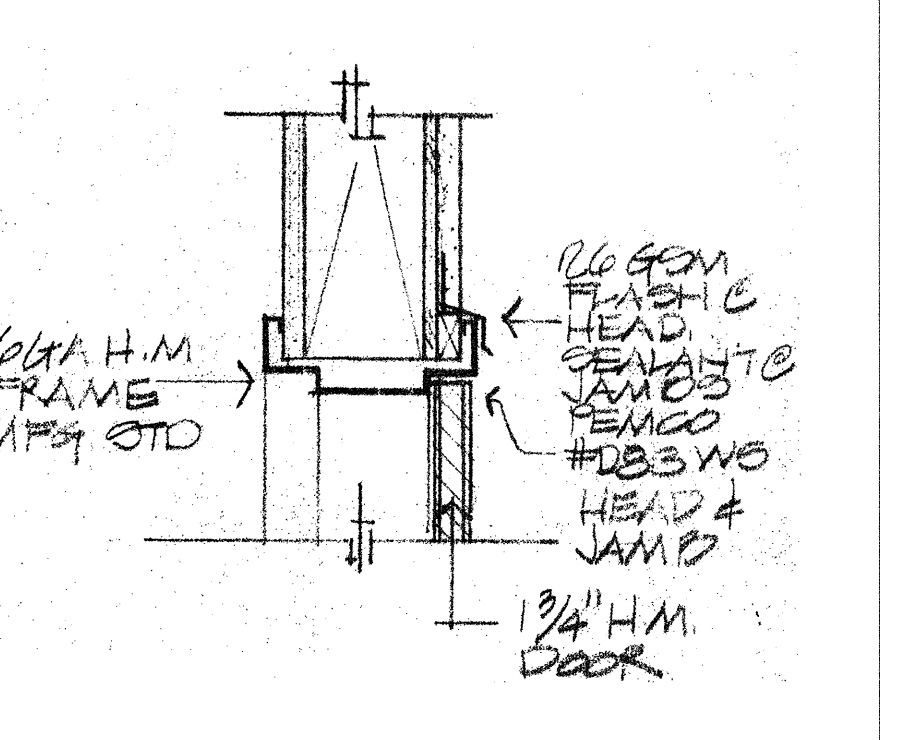
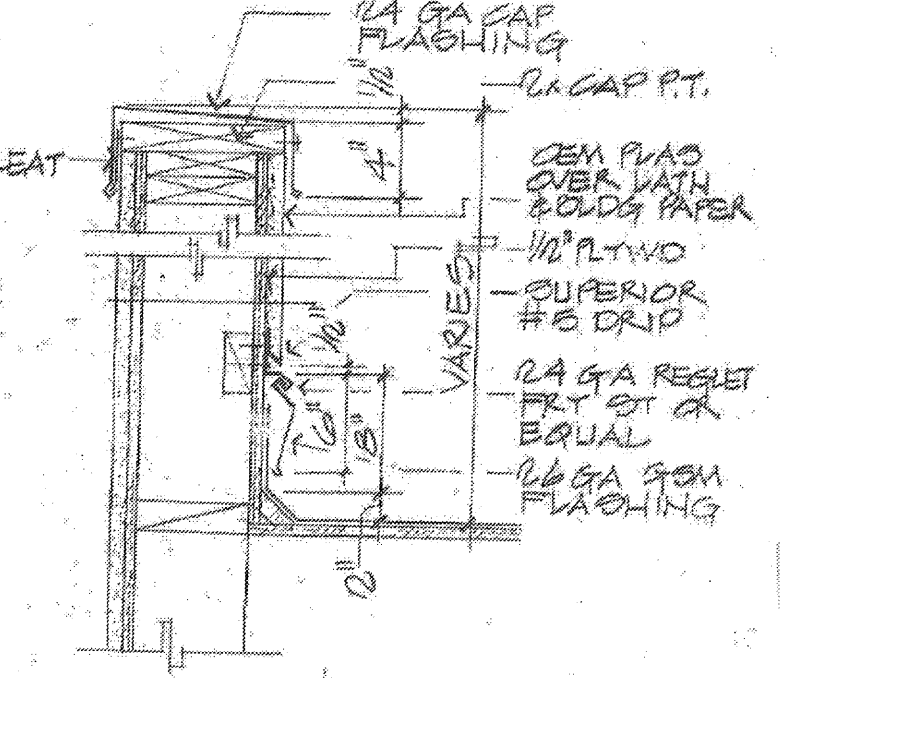
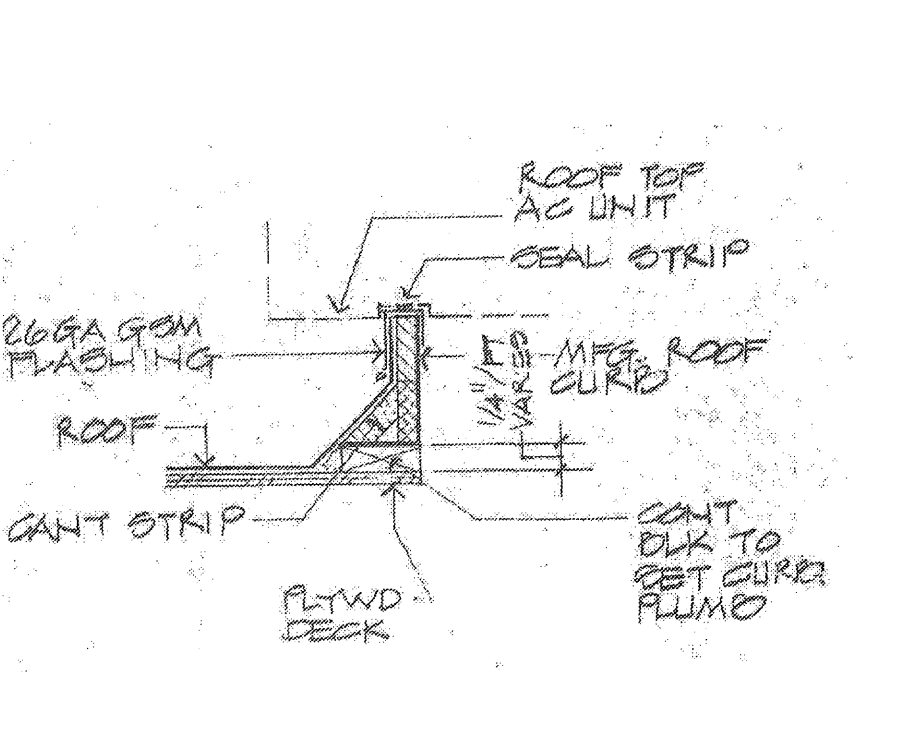
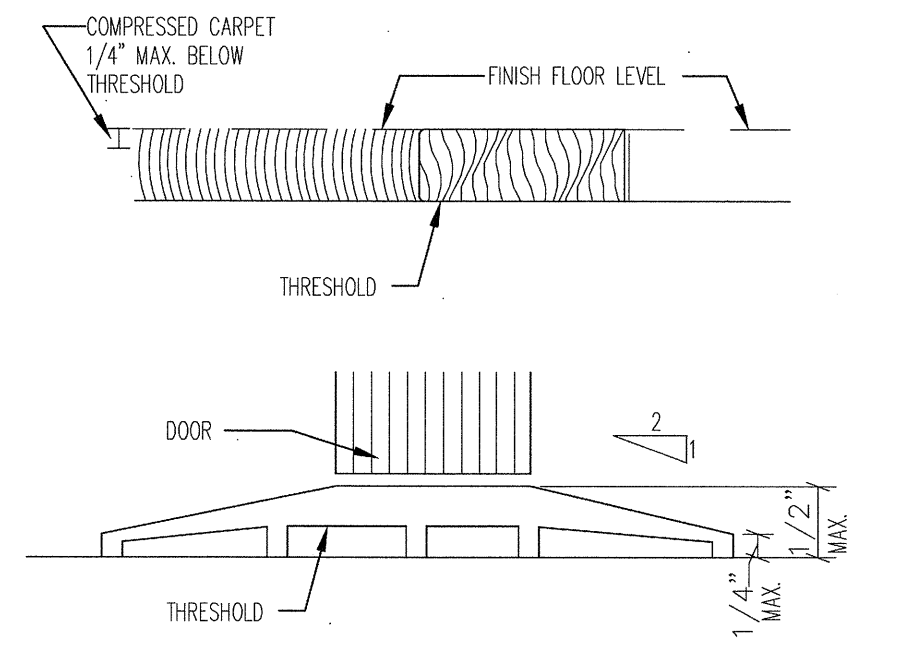
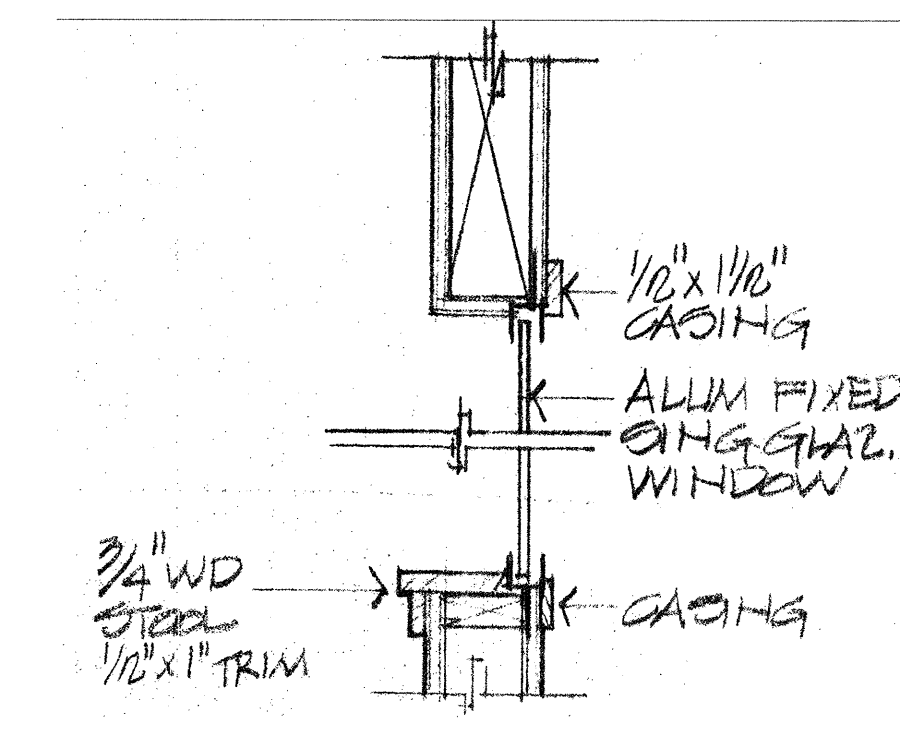
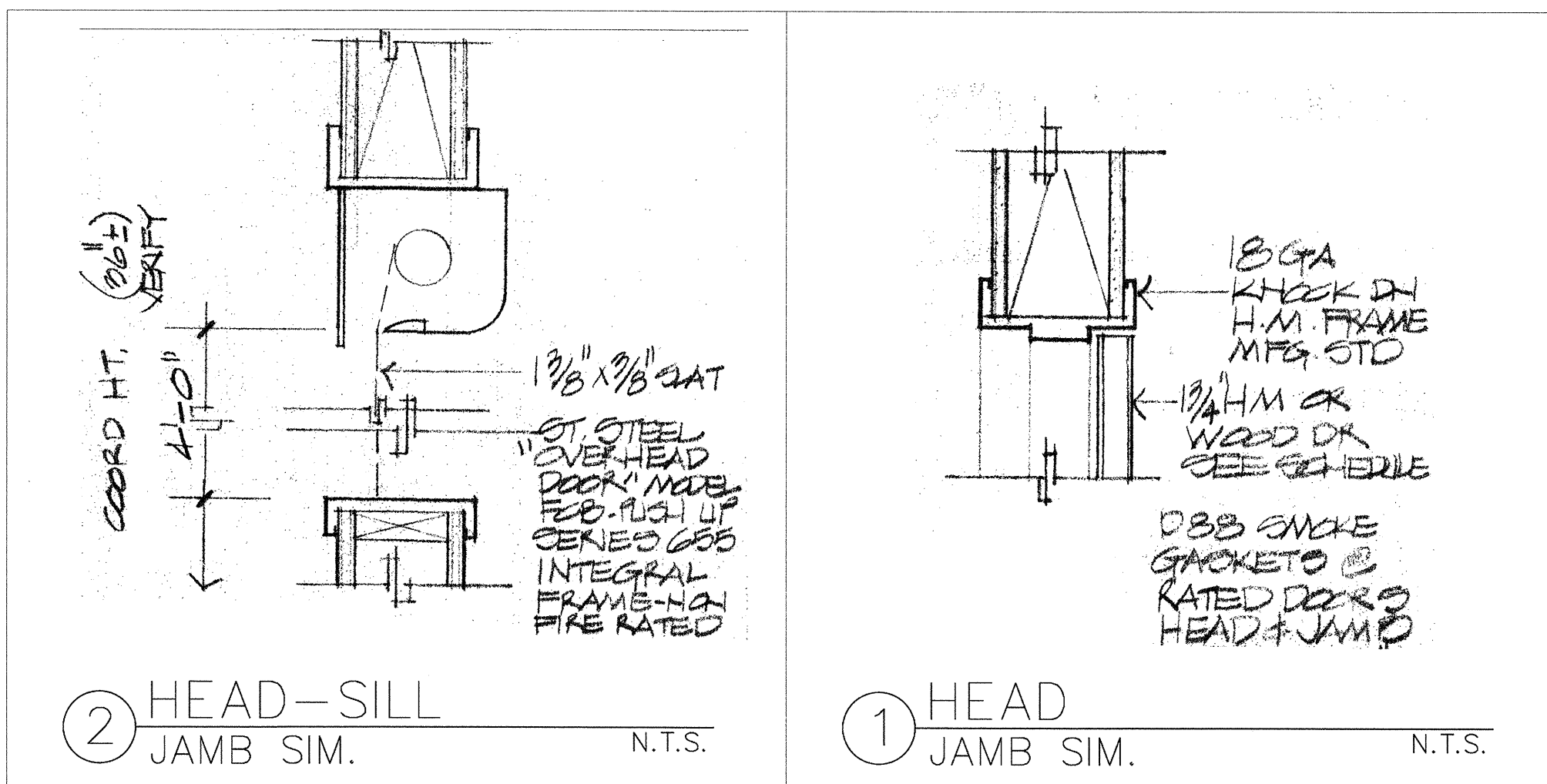


# BUILDING SECTION B

1/4" = 1'-0"

**GENERAL NOTES:**

- ALL INTERIOR WALL AND CEILING FINISHES SHALL COMPLY WITH C.B.C. TABLE 803.9 FOR FLAME SPREAD.
- THE INTERIOR WALL AND CEILING FINISH MATERIALS TO HAVE A SMOKE DEVELOPMENT BETWEEN 0 AND 450 PER C.B.C. SECTION 803.11.



9 HEAD-JAMB-SILL N.T.S.

8 THRESHOLD N.T.S.

6 AC CURB N.T.S.

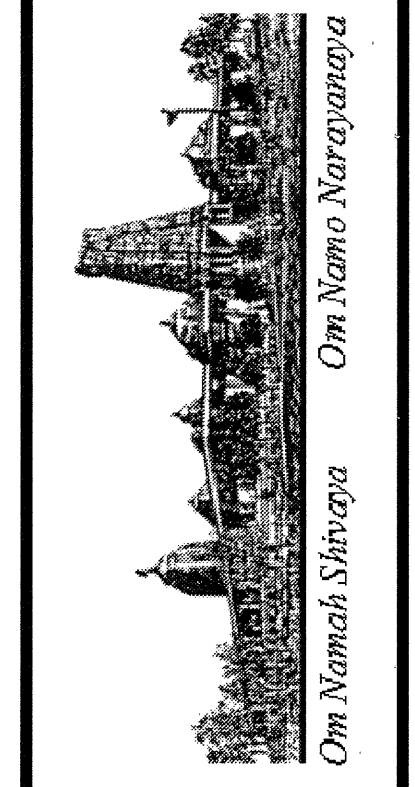
5 PARAPET N.T.S.

4 HEAD JAMB SIM. N.T.S.

3 HEAD JAMB SIM. N.T.S.

REVISIONS	FOR
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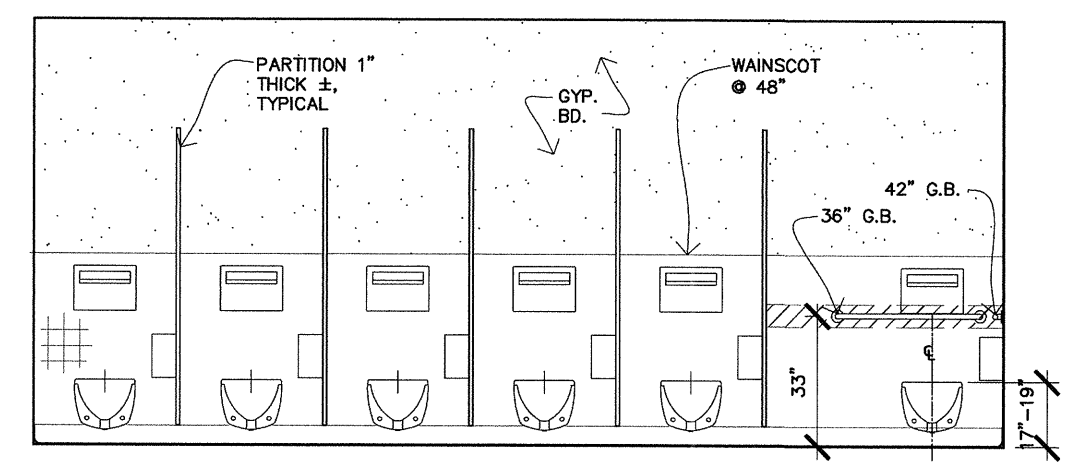
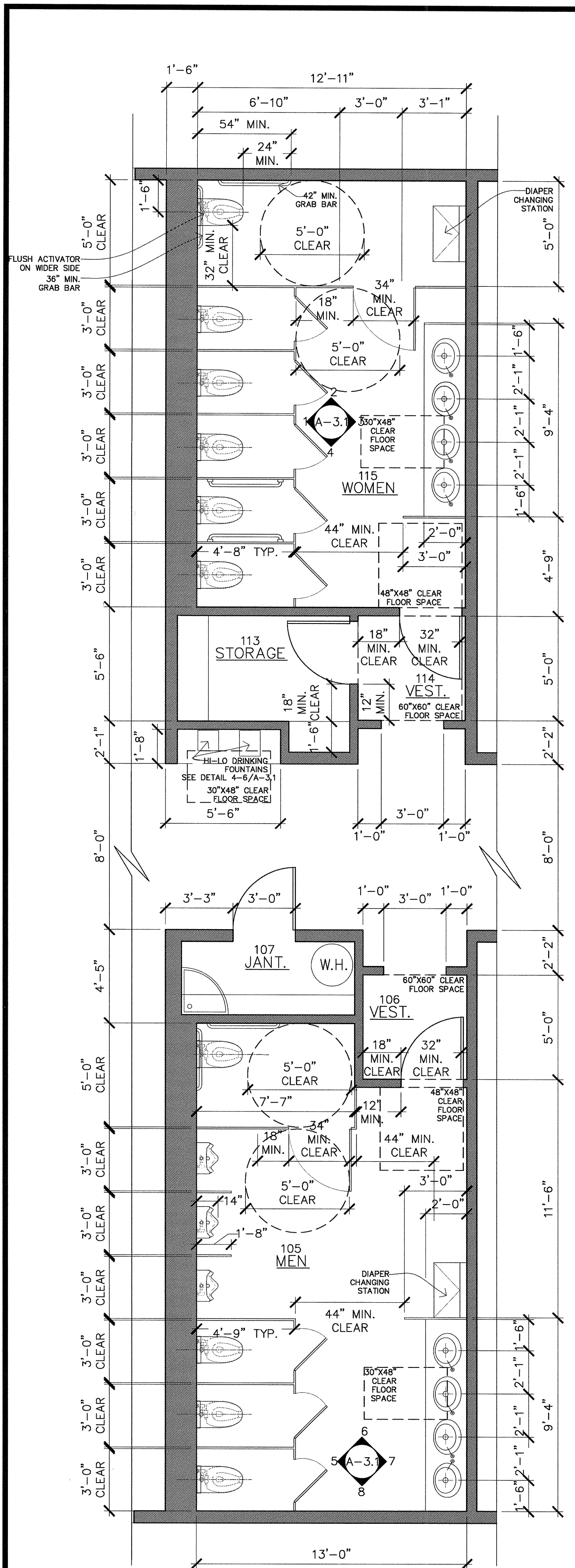


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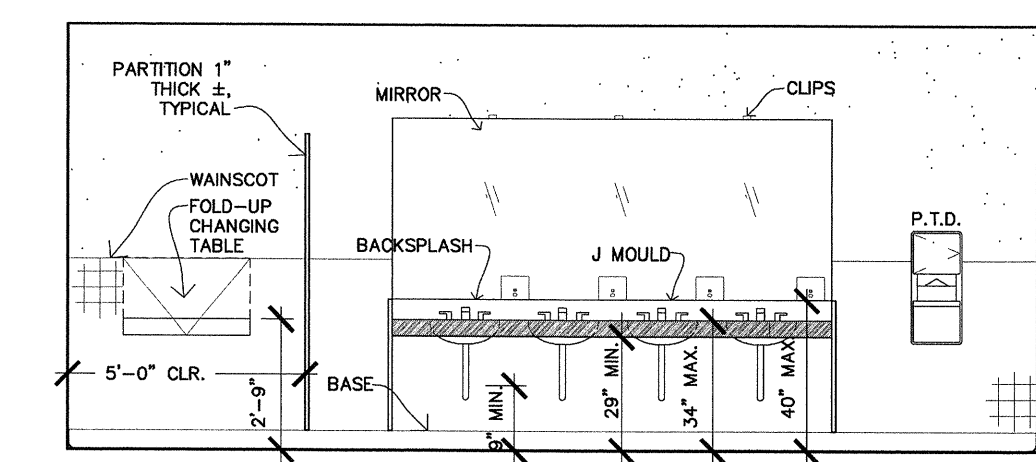
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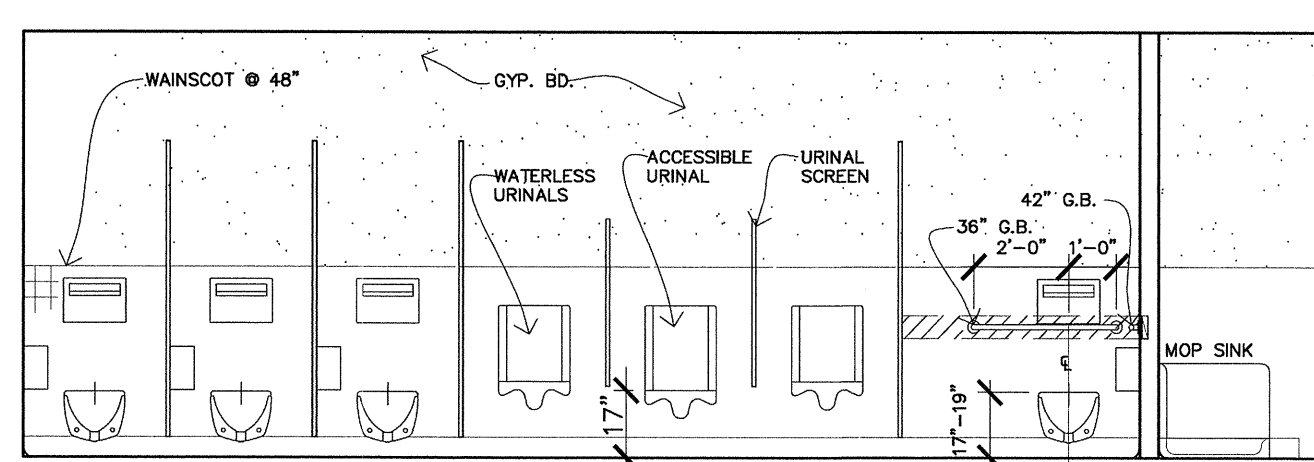




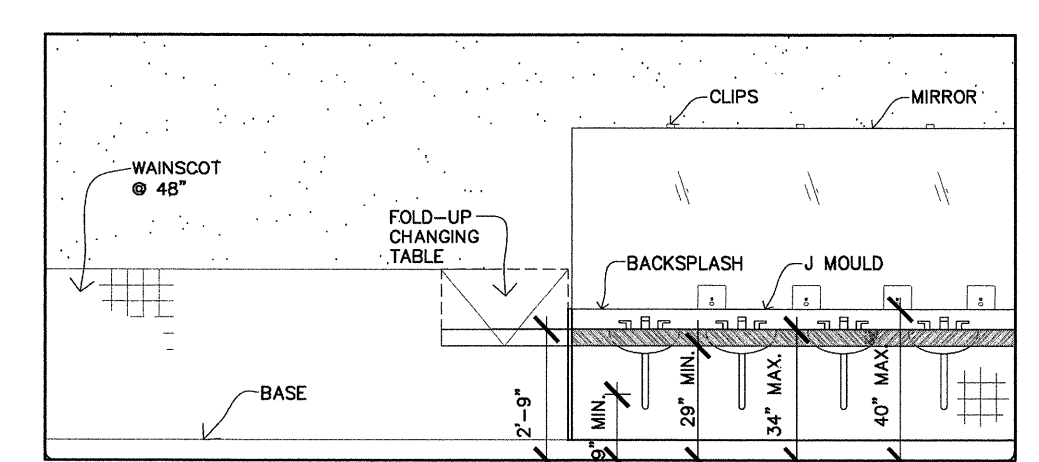
WOMEN RESTROOM - ELEV.1



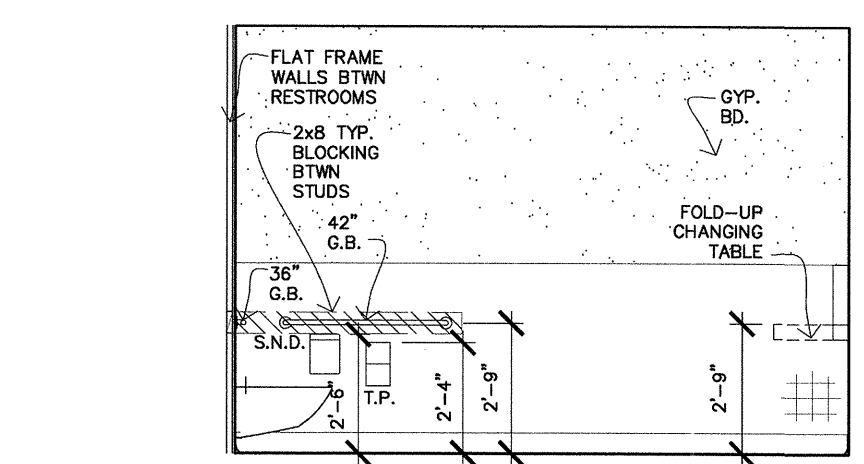
WOMEN RESTROOM - ELEV.3



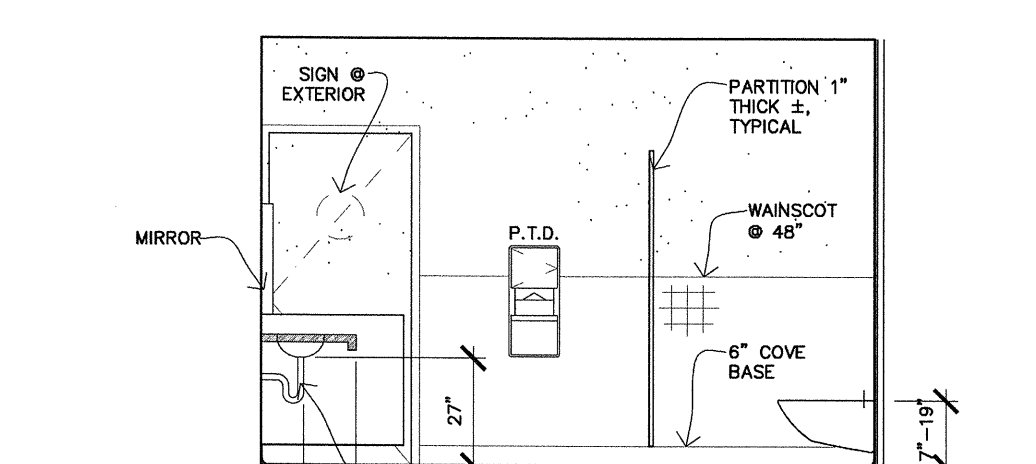
MEN RESTROOM - ELEV.5



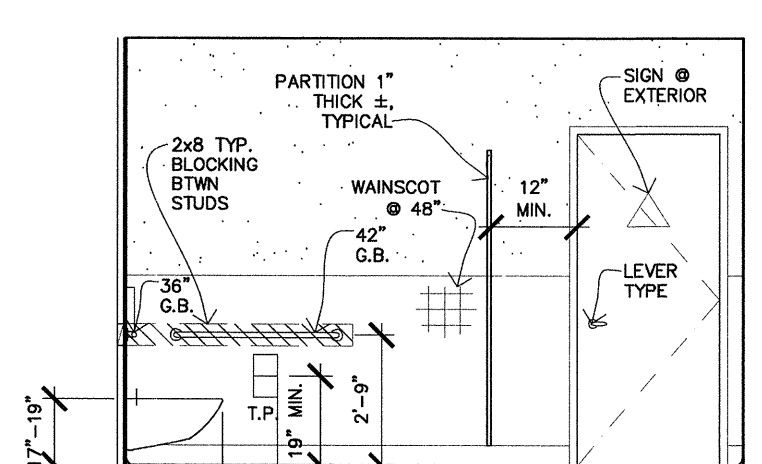
MEN RESTROOM - ELEV.7



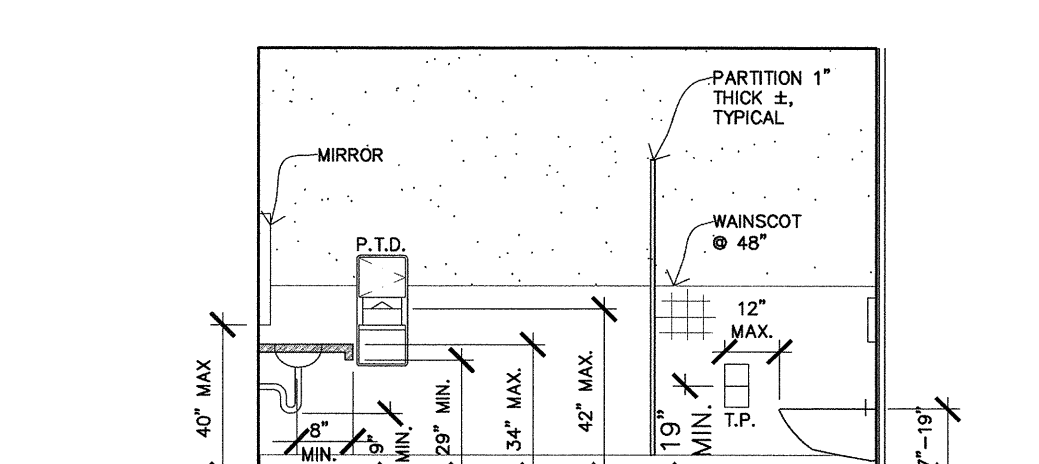
WOMEN RESTROOM - ELEV.2



WOMEN RESTROOM - ELEV.4



MEN RESTROOM - ELEV.6



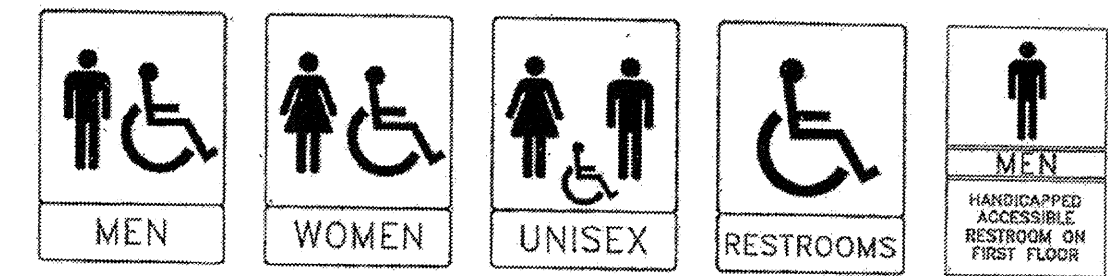
MEN RESTROOM - ELEV.8

## WOMEN RESTROOM ELEVATIONS

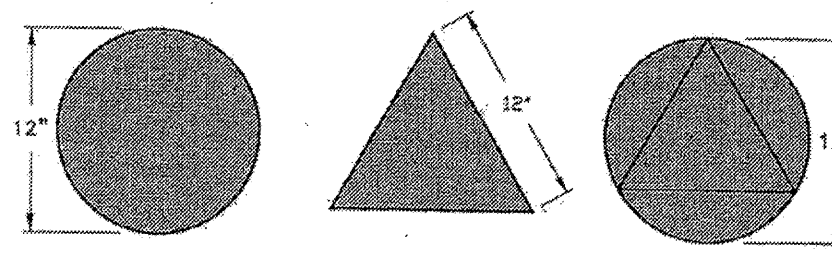
1/4" = 1'-0"

## MEN RESTROOM ELEVATIONS

1/4" = 1'-0"

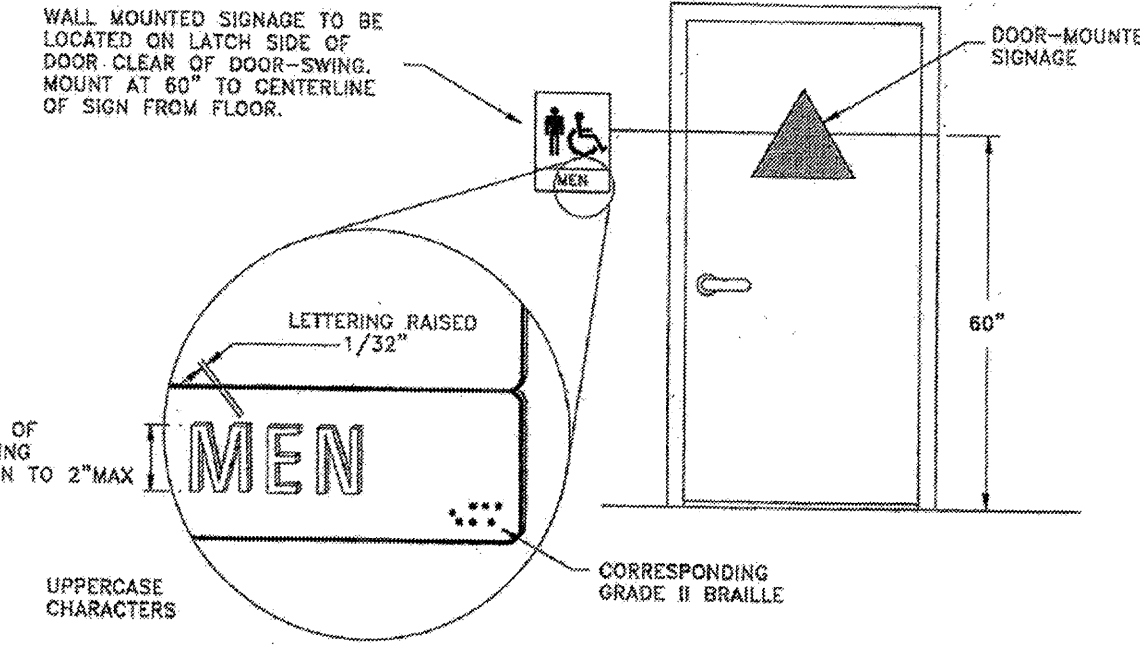


WALL-SIGNAGE (TYP.)

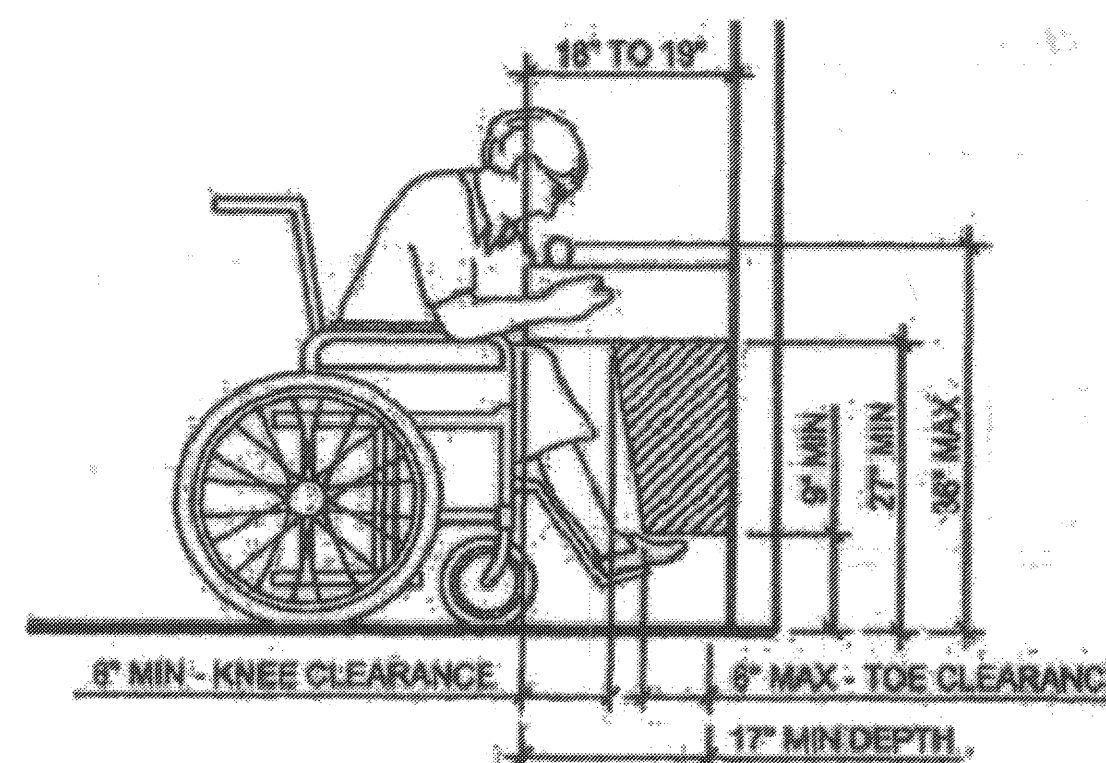


DOOR MOUNTED SIGNAGE (TYP.)

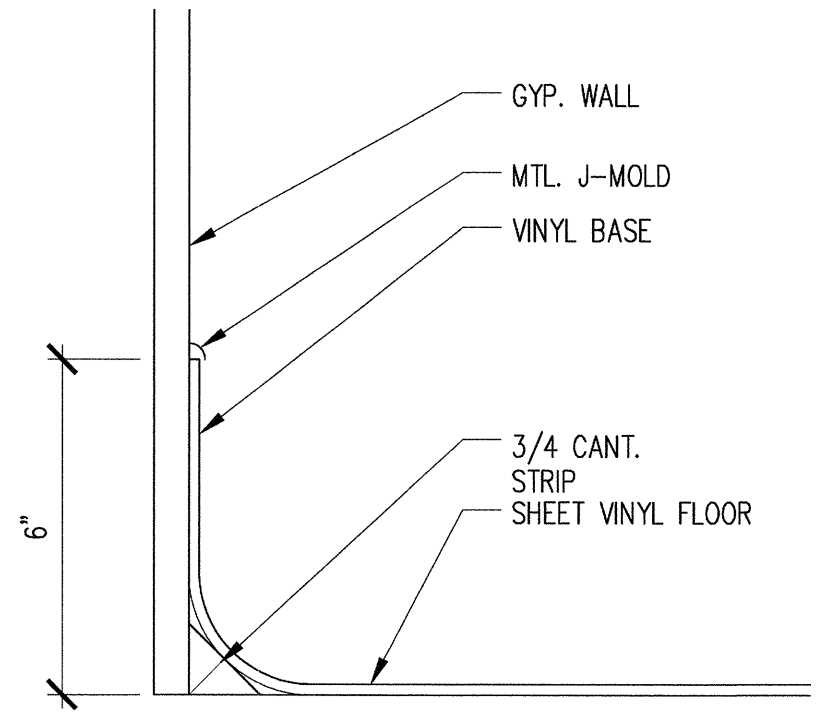
NOTE: PICTOGRAMS AND/OR LETTERING ARE NOT REQUIRED ON DOOR-MOUNTED SIGNAGE.



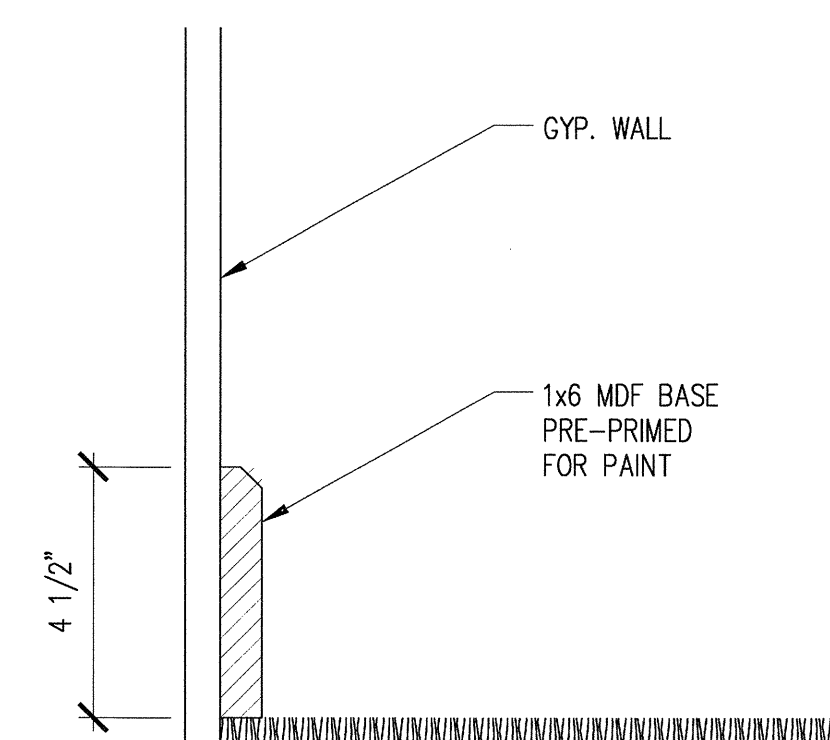
1 IDENTIFICATION SYMBOLS FOR SANITARY FACILITIES NTS



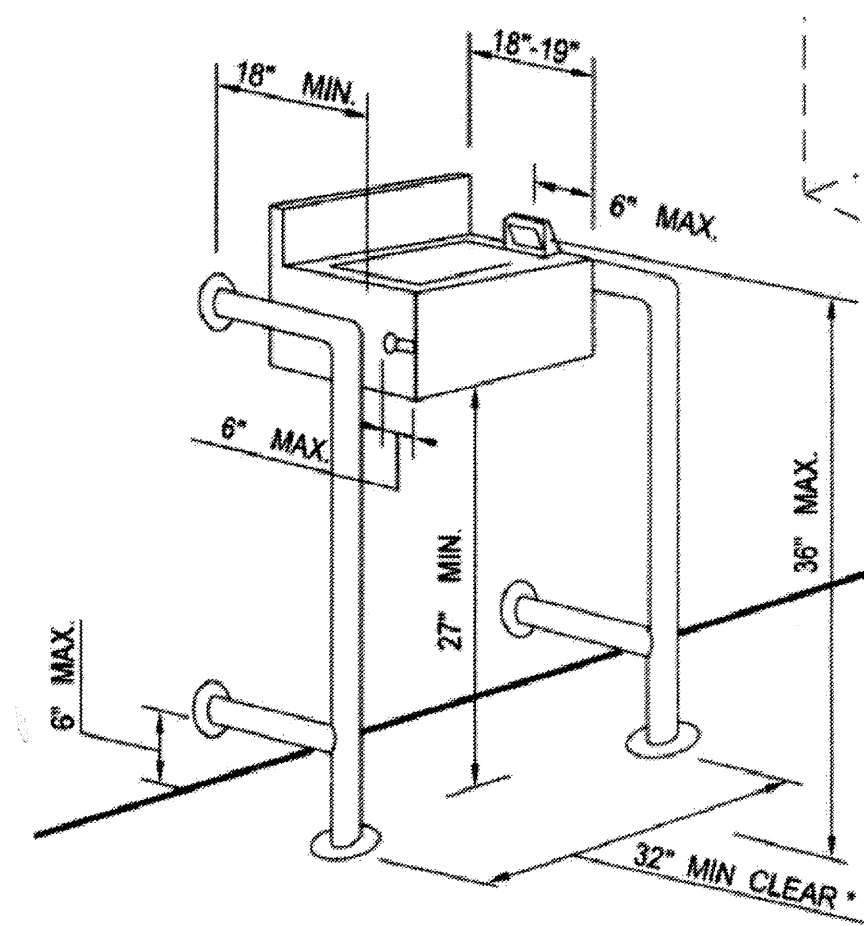
4 SPOUT HEIGHT & KNEE CLEARANCE GUIDELINES NTS



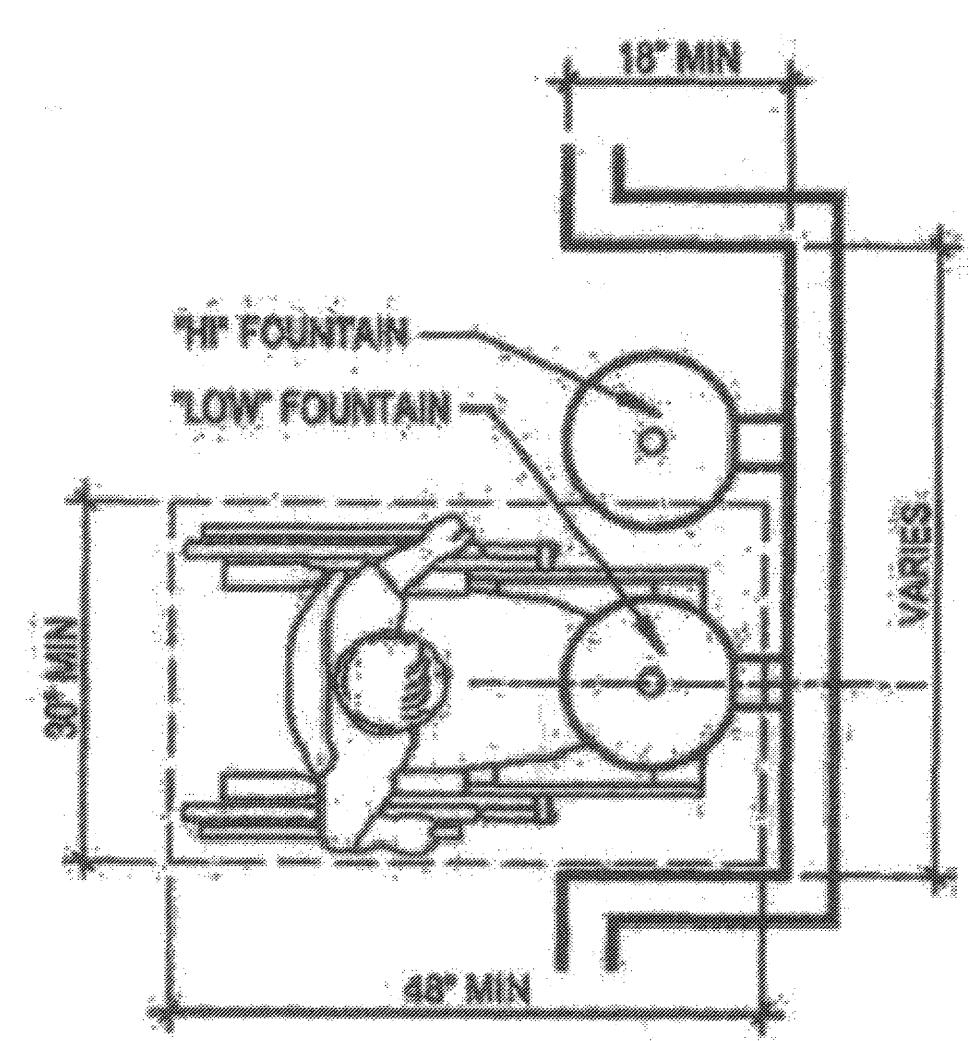
2 VINYL BASE @ SHT. VINYL FL NTS



3 WOOD BASE AT CARPET OR TILE NTS



5 DRINKING FOUNTAIN GUIDELINES NTS

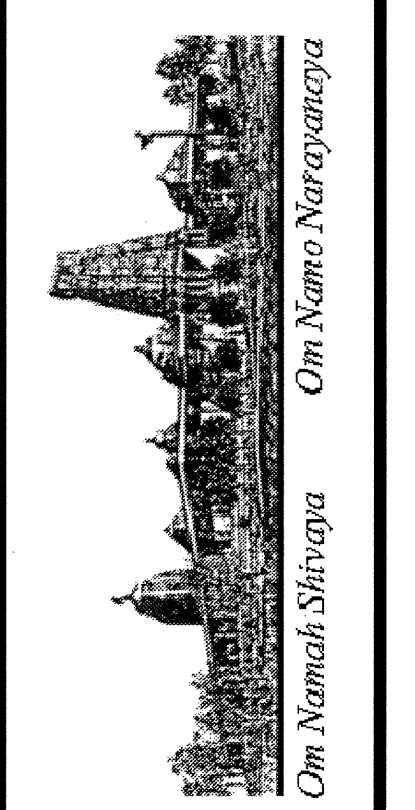


6 CLEAR FLOOR SPACE GUIDELINES NTS

1 ENLARGED FLOOR PLAN 1/4" = 1'-0"

REVISIONS	FOR
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12-14-11	PLAN CHECK COMMENTS

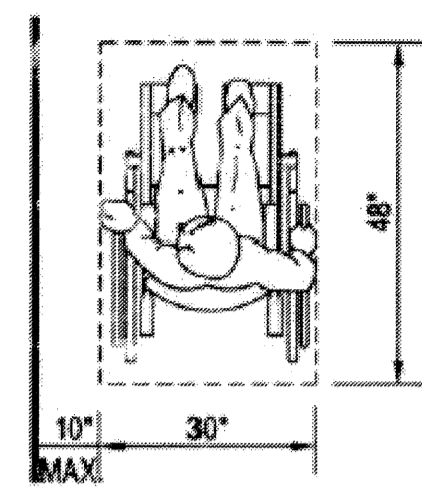
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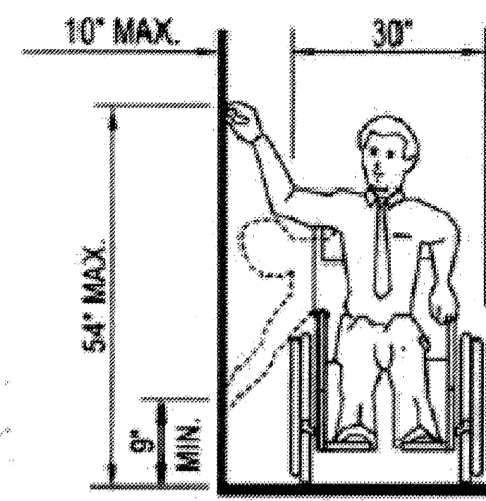
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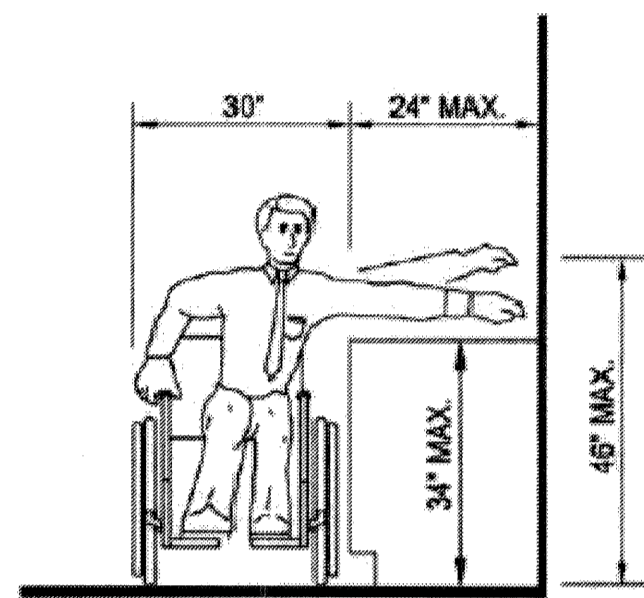
NOTE: ALL NOTES AND DETAILS AS PER CALIFORNIA TITLE 24 ACCESSIBILITY REQUIREMENTS.



(a) CLEAR FLOOR SPACE PARALLEL APPROACH

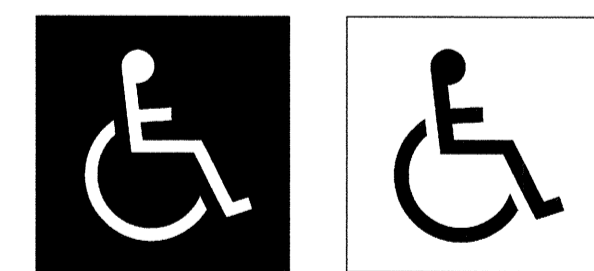


(b) HIGH AND LOW SIDE REACH LIMITS

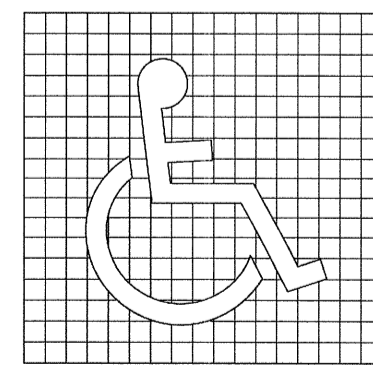


(c) MAXIMUM SIDE REACH OVER OBSTRUCTION

1 WHEEL CHAIR ACCESS  
A4.1 SCALE: NTS

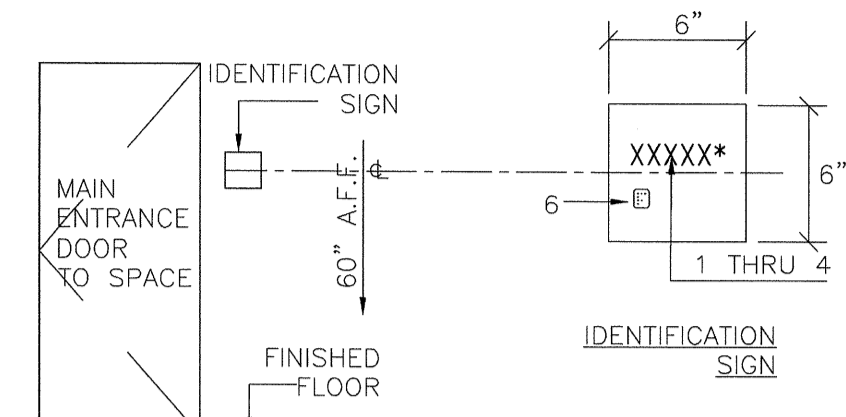


DISPLAY CONDITIONS



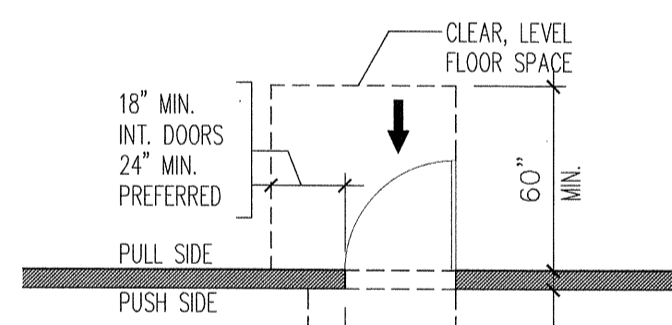
INTERNATIONAL SYMBOL OF ACCESSIBILITY

2 INTERNATIONAL SYMBOL  
A4.1 SCALE: NTS

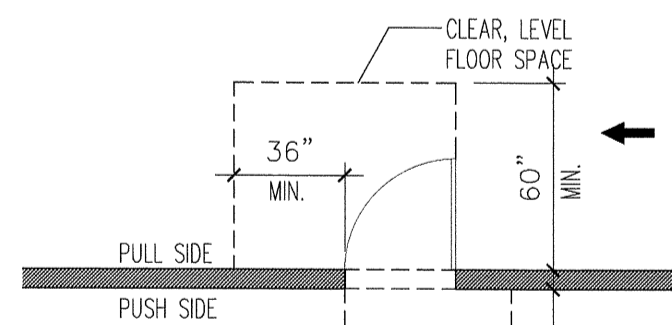


1. FINISH & CONTRAST: CHARACTERS, SYMBOLS AND THEIR BACKGROUND SHALL BE NON GLARE FINISH AND CONTRASTING- LIGHT CHARACTER ON DARK BACKGROUND OR VISE-A-VERSA.  
2. PROPORTIONS: CHARACTERS ON SIGNS SHALL HAVE A WIDTH TO HEIGHT RATIO OF BETWEEN 3:5 AND 1:1 AND A STROKE WIDTH TO HEIGHT RATIO BETWEEN 1:5 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-OFFICE, DINING, ETC. COORDINATE MATTER W/ LOCATION

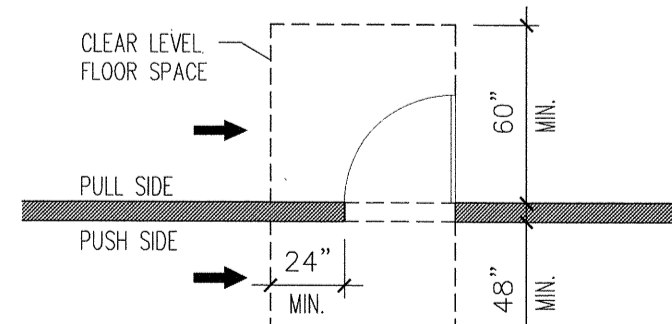
3 IDENTIFICATION SIGN  
A4.1 SCALE: NTS



FRONT APPROACH



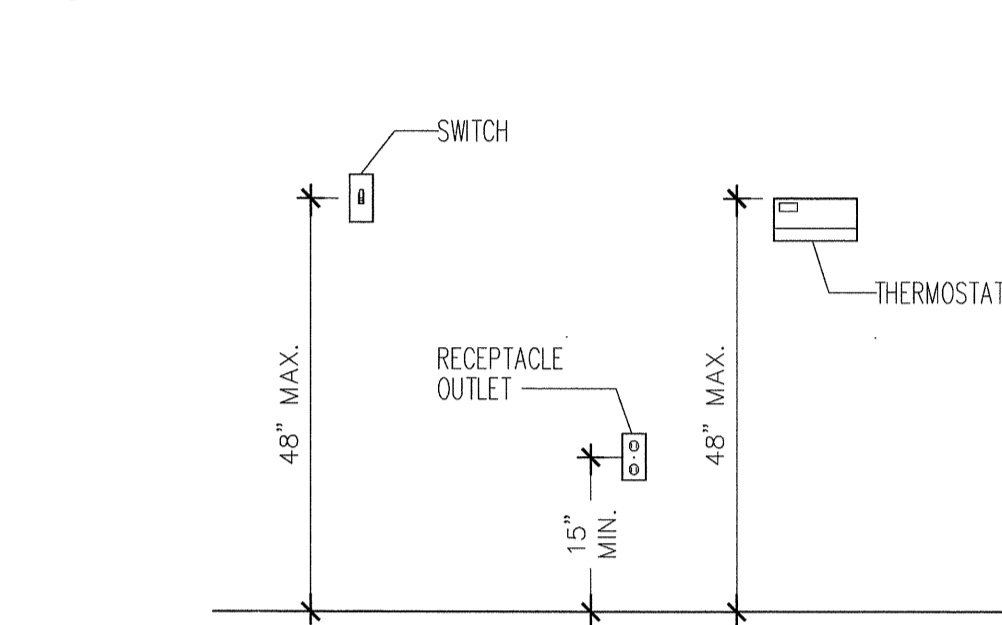
HINGE SIDE APPROACH



LATCH SIDE APPROACH

4 DOOR CLEARANCES  
A4.1 SCALE: NTS

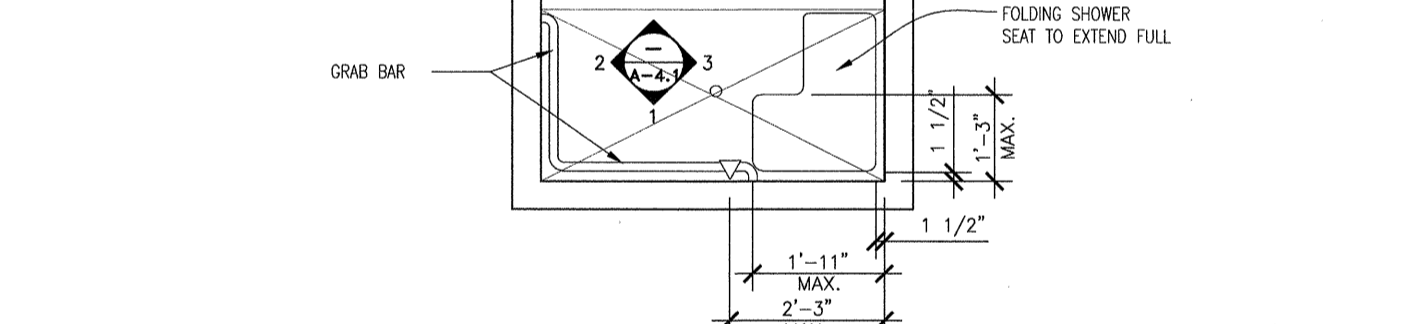
5 RESTROOM FIXTURE ACCESSORIES  
A4.1 SCALE: NTS



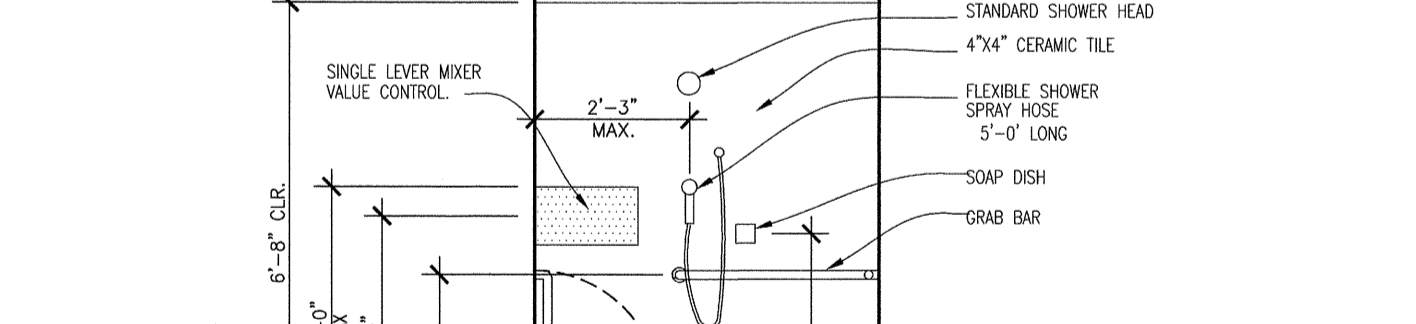
6 RECEPTACLES/SWITCHES  
A4.1 SCALE: NTS



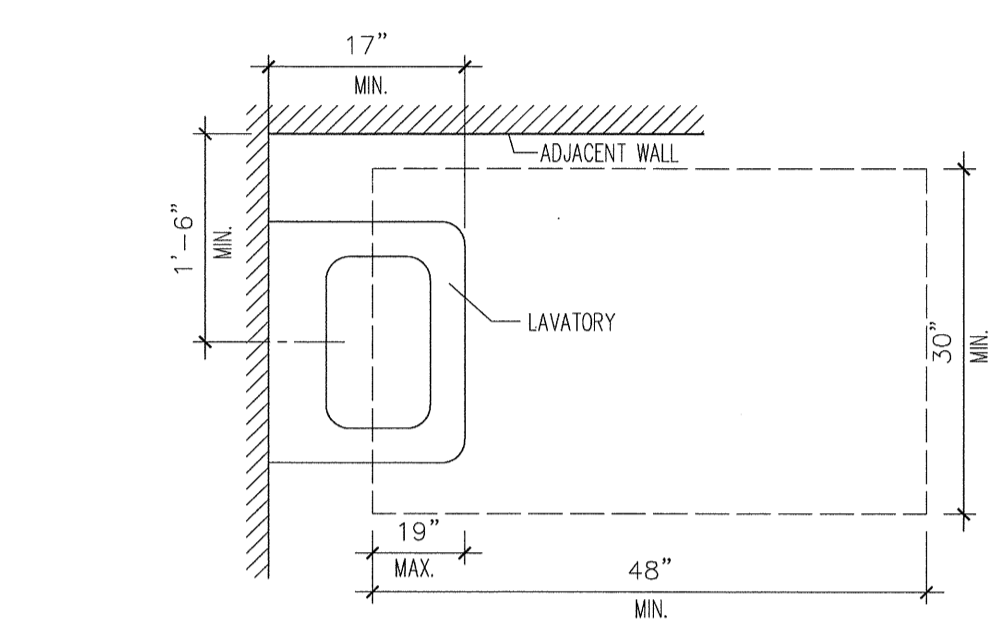
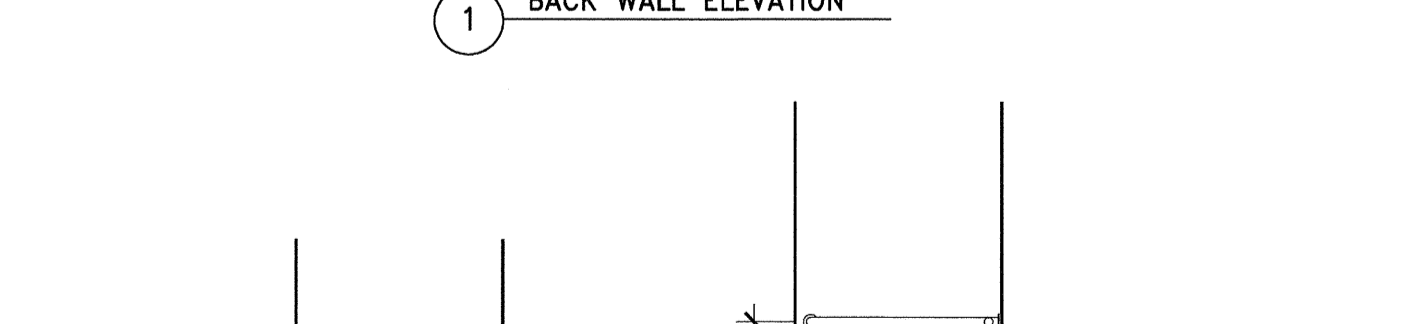
7 ROLL-IN SHOWER DETAILS  
A4.1 SCALE: NTS



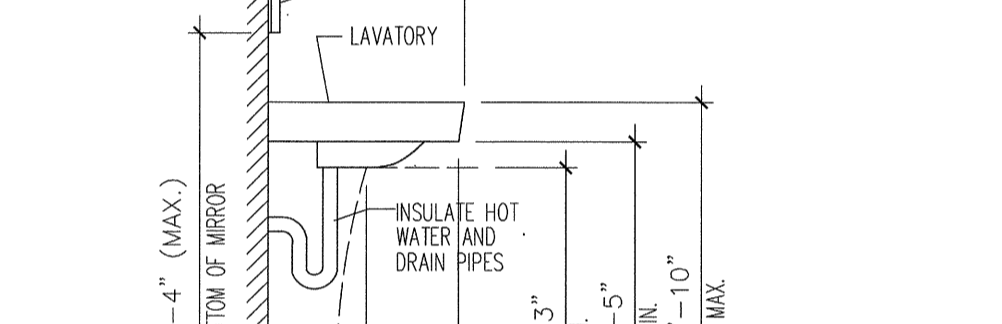
8 LAVATORY DETAILS  
A4.1 SCALE: NTS



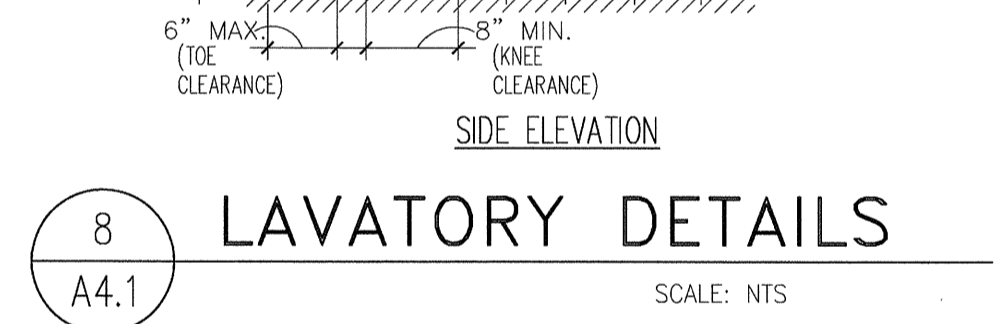
9 TOILET STALL DETAILS  
A4.1 SCALE: NTS



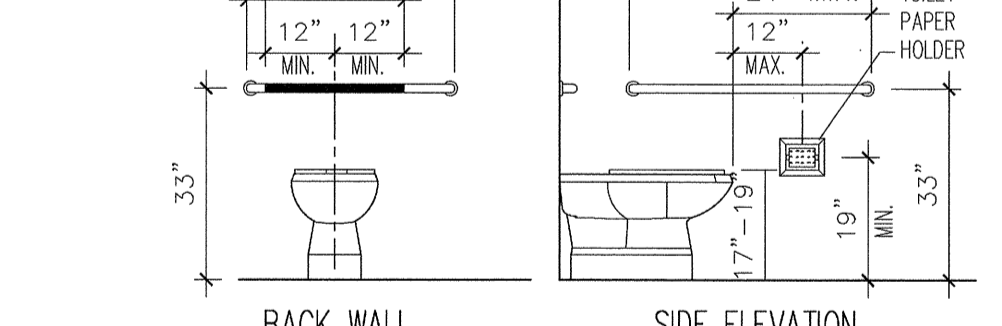
8 LAVATORY DETAILS  
A4.1 SCALE: NTS



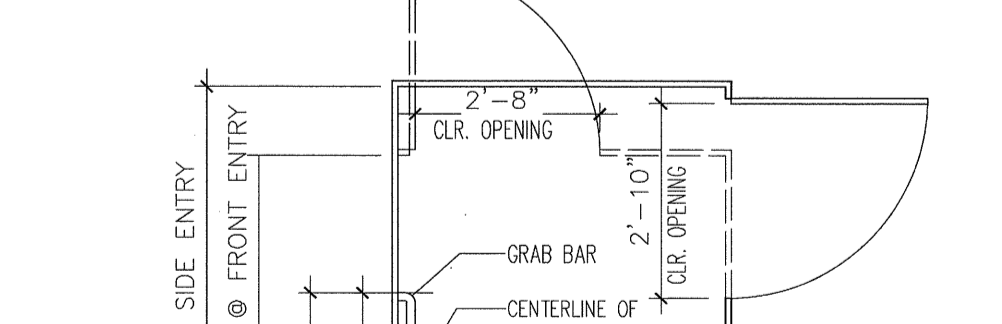
8 LAVATORY DETAILS  
A4.1 SCALE: NTS



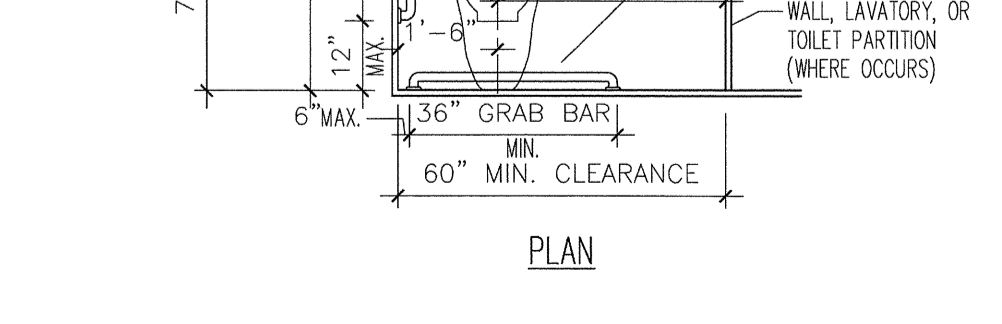
8 LAVATORY DETAILS  
A4.1 SCALE: NTS



8 LAVATORY DETAILS  
A4.1 SCALE: NTS



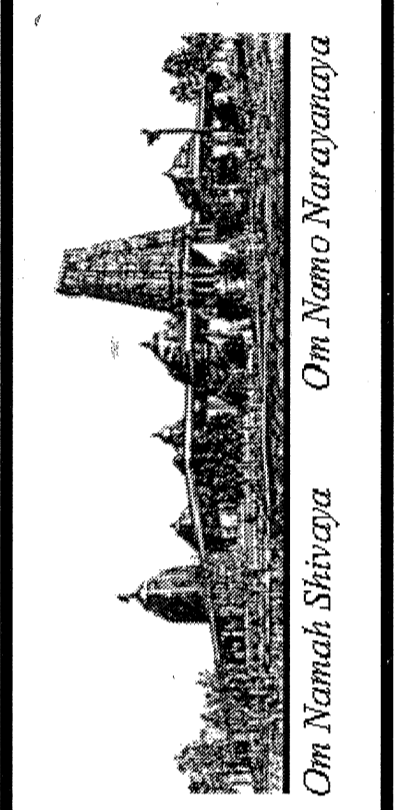
8 LAVATORY DETAILS  
A4.1 SCALE: NTS



8 LAVATORY DETAILS  
A4.1 SCALE: NTS

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12-14-11	PLAN CHECK COMMENTS

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BUILDING "D"  
HINDU COMMUNITY and CULTURAL CENTER  
1200 ARROWHEAD AVE. LIVERMORE, CA 94551  
Om Namoh Narayana

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

A-4.1

# DOORS AND FRAMES

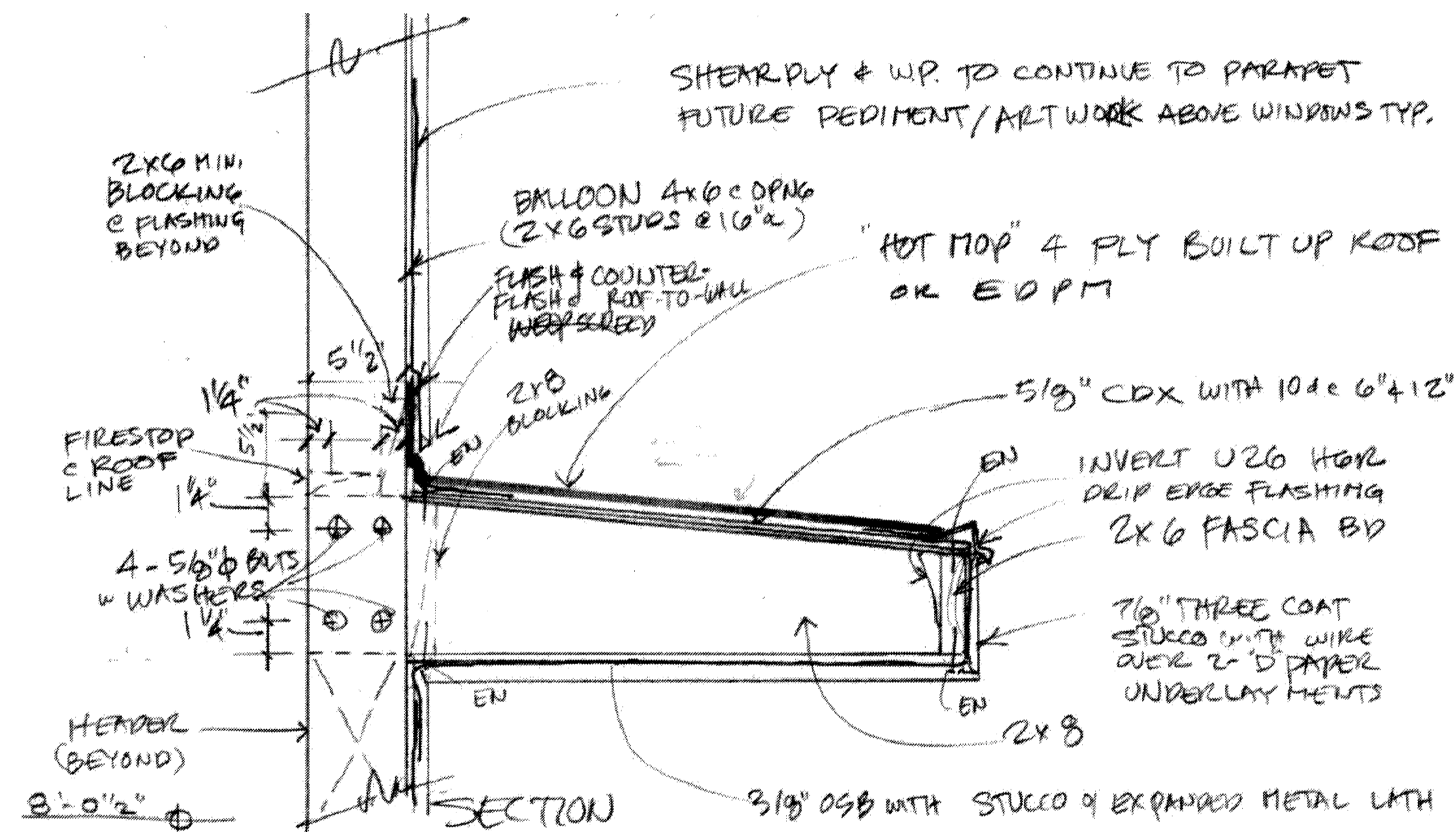
- Hollow metal doors and frames shall be in accordance with Steel Door Institute (SDI) standard specifications.
- Fire rated door shall have UL Label with required rating.

## NOTES:

- All windows shall come complete with screens.
- Field verify all door and window sizes and requirements prior to ordering and after all openings have been framed.
- Hollow metal doors and frames to be painted w/ semi gloss enamel.
- Wood doors - "Simpson" #4060 1 1/2" X 3'-0" X 6'-8" VGDF. stain as selected with clear varathain finish.

Each exterior door shall be secured as follows:

- Exterior doors shall be hollow metal no less than 1 3/4" 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.
- The dead latch lock and deadbolt lock shall be keyed alike (one key will fit both locks).
- 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.
- Door stop on a wooden jamb for an inswing door shall be of one piece construction with the jamb joined by a rabbet.
- 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.
- Cylinders shall be so designed by manufacturer or protected that they cannot be gripped by pilers or other wrenching devices.
- The lock or locks shall be operated from the inside of the door by a device not requiring a key.
- The required force to open the doors will not exceed 5 pounds for exterior and interior doors and 15 pounds for fire rated doors.
- The bottom 10" of doors in the accessible path of travel shall have a smooth, uninterrupted surface.
- 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.

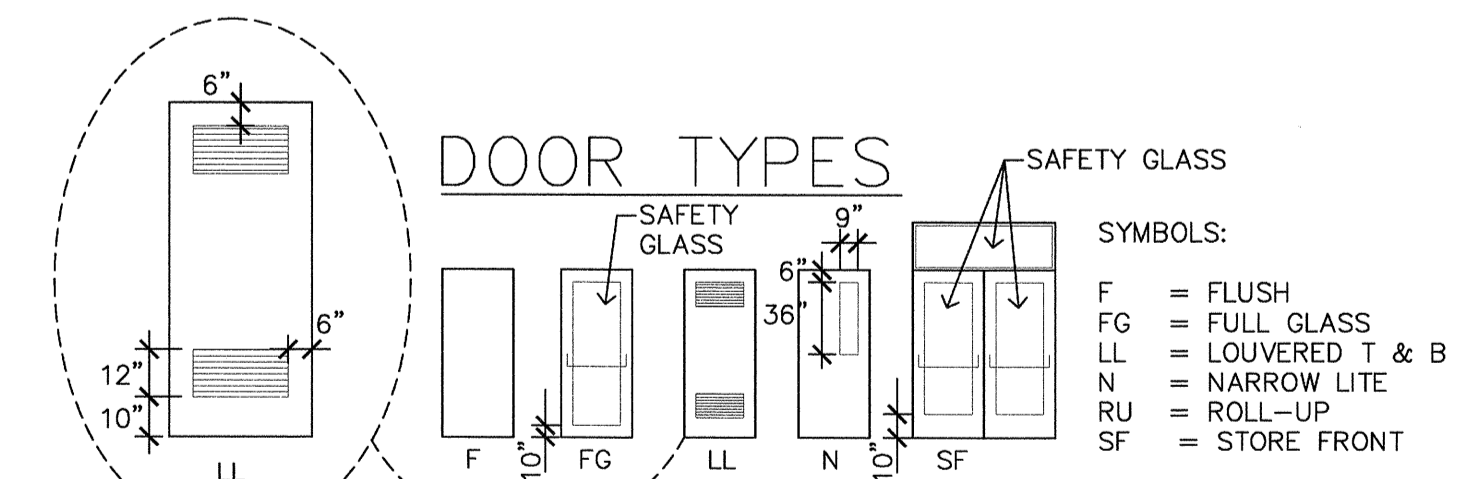


① SUN SHADE DETAIL  
N.T.S.

NOTE: AWNING WILL BE PAINTED TO MATCH THE BUILDING.

WINDOW SCHEDULE* *NOTE: FIELD VERIFY ALL WINDOW DIMENSIONS PRIOR TO ORDERING.									
ITEMS SUPPLIED & INSTALLED BY CONTRACTOR ARE INDICATED WITH A "✓"									
ITEMS NOT IN CONTRACT ARE INDICATED WITH "N.I.C."									
QTY.	#	SIZE (W X H)	GLASS THICKNESS	OP.	WINDOW TYPE	DETAIL	FIRE RATING	REQUIREMENTS	TEMPERED
✓	16	4'-0" X 6'-0"	3/4"	SINGLE HUNG	DUAL PANE			PPG SOLARBAN 60.	✓
✓	3	8'-0" X 6'-0"	3/4"	SINGLE HUNG	DUAL PANE			PPG SOLARBAN 60.	✓

DOOR SCHEDULE* *NOTE: FIELD VERIFY ALL DOOR DIMENSIONS PRIOR TO ORDERING.												
ITEMS SUPPLIED & INSTALLED BY CONTRACTOR ARE INDICATED WITH A "✓"												
ITEMS NOT IN CONTRACT ARE INDICATED WITH "N.I.C."												
#	SIZE (W X H)	TYPE	ROOM #	MATERIAL	CONSTRUCTION THICKNESS	FRAME	HDWR GROUP	DETAIL	FIRE RATING	COMMENTS	WEATHER-STRIP	
✓	1	3'-0" x 6'-8"	LL	104	STEEL	1 3/4"	STEEL	3		WITH HIGH AND LOW VENTS		
✓	2	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		
✓	4	3'-0" x 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 & BOTTOM		
✓	6	3'-0" x 6'-8"	F	110	WOOD	1 3/4"	METAL	1		SELF-CLOSING		
✓	7	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" x 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		SELF-CLOSING		
✓	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" x 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		SELF-CLOSING		



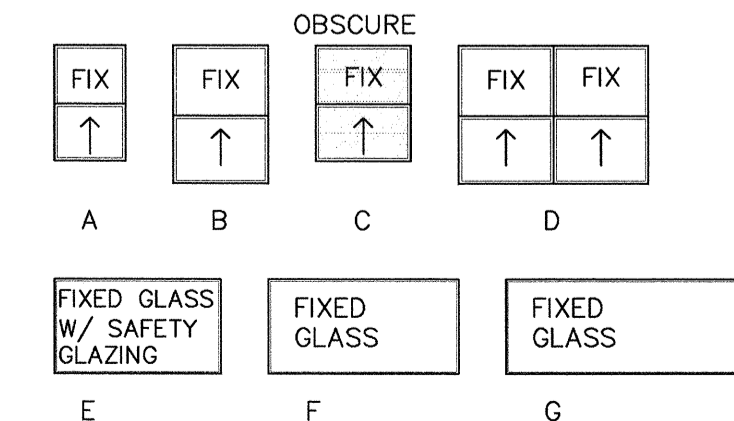
## HARDWARE GROUPS

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

GROUP 3	3
HINGES	ANSI F91
LOCKSET	1

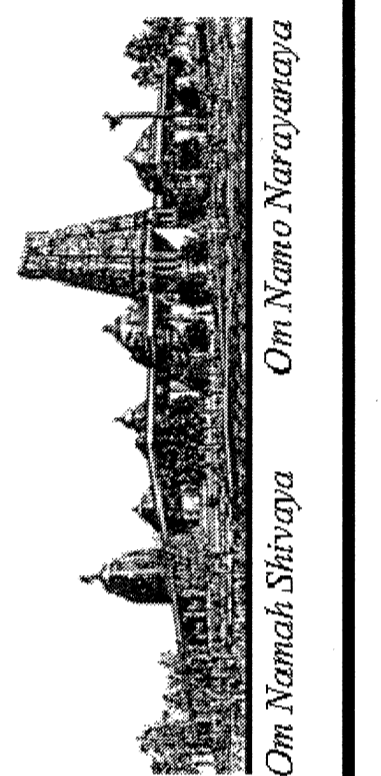
LOCKSETS SHALL BE KEYED IN ACCORDANCE WITH HCCC

## WINDOWS



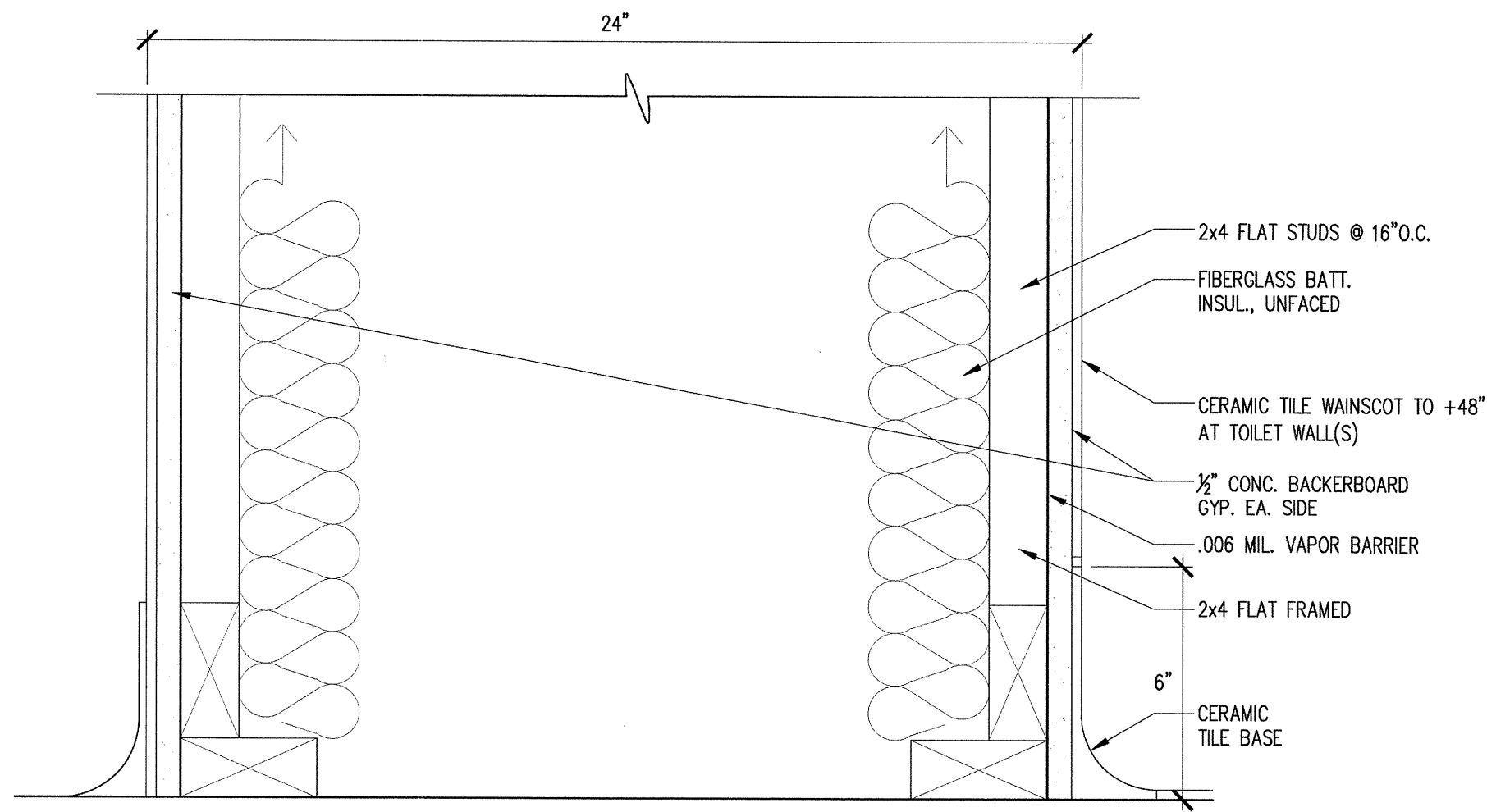
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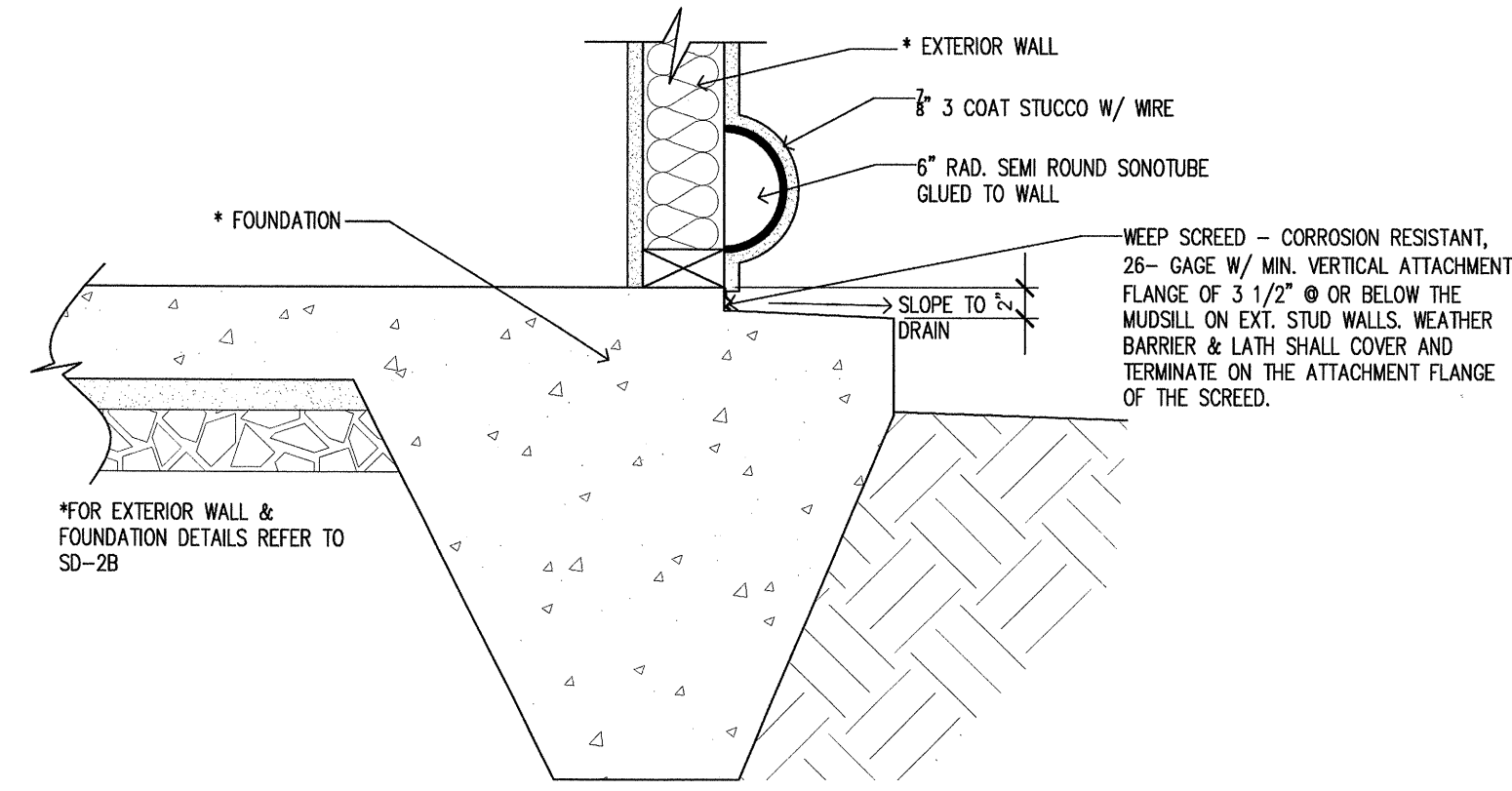


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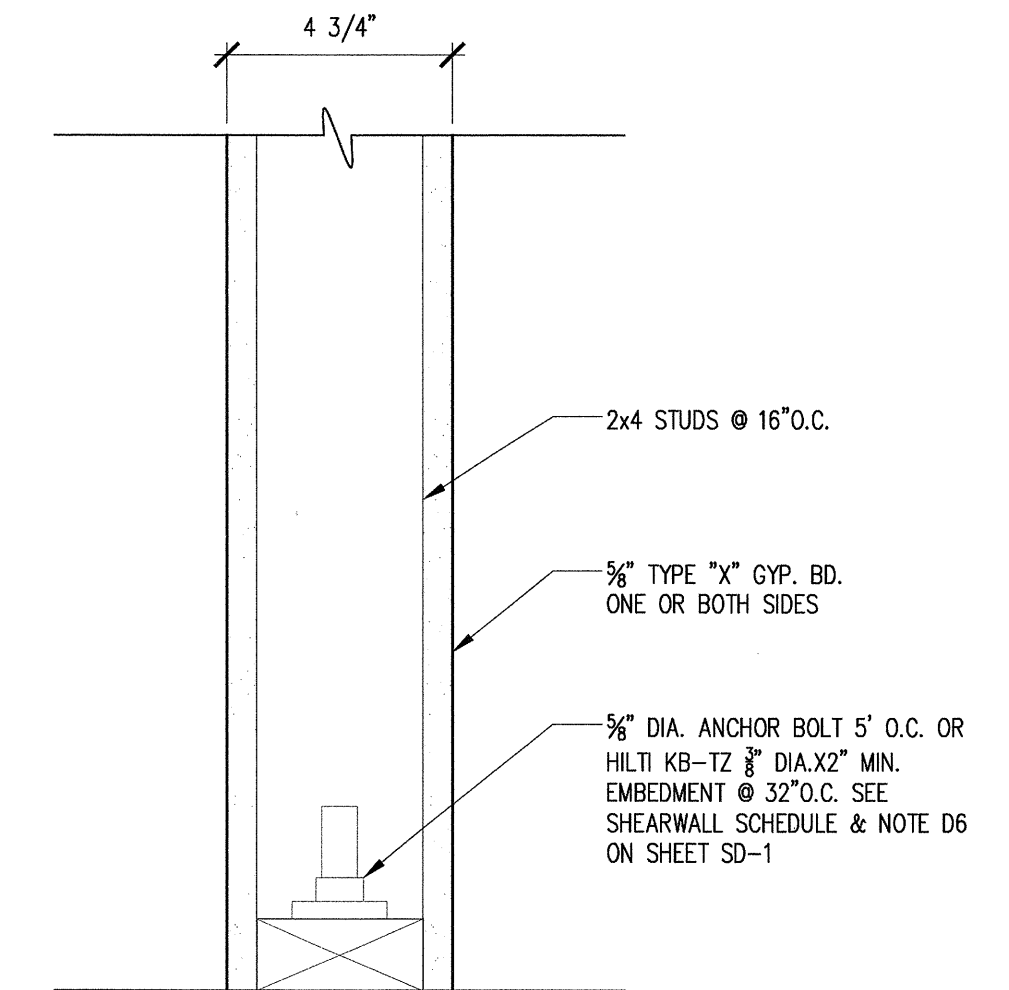
DATE	12/14/11
SCALE:	
DRAWN BY:	LW
PROJECT:	ARROWHEAD



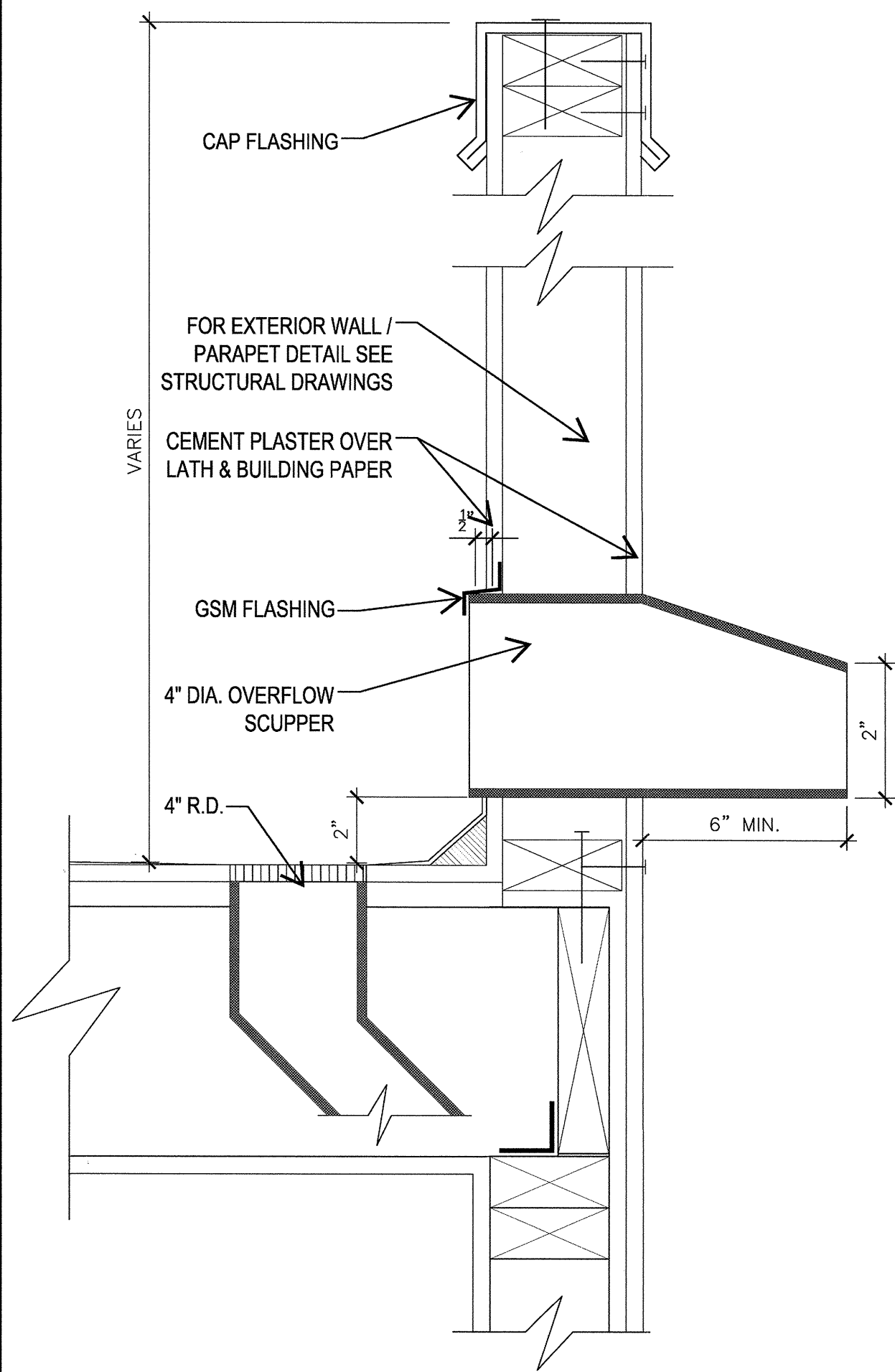
1 PLUMBING WALL  
DETAIL SCALE: 3"=1'-0"



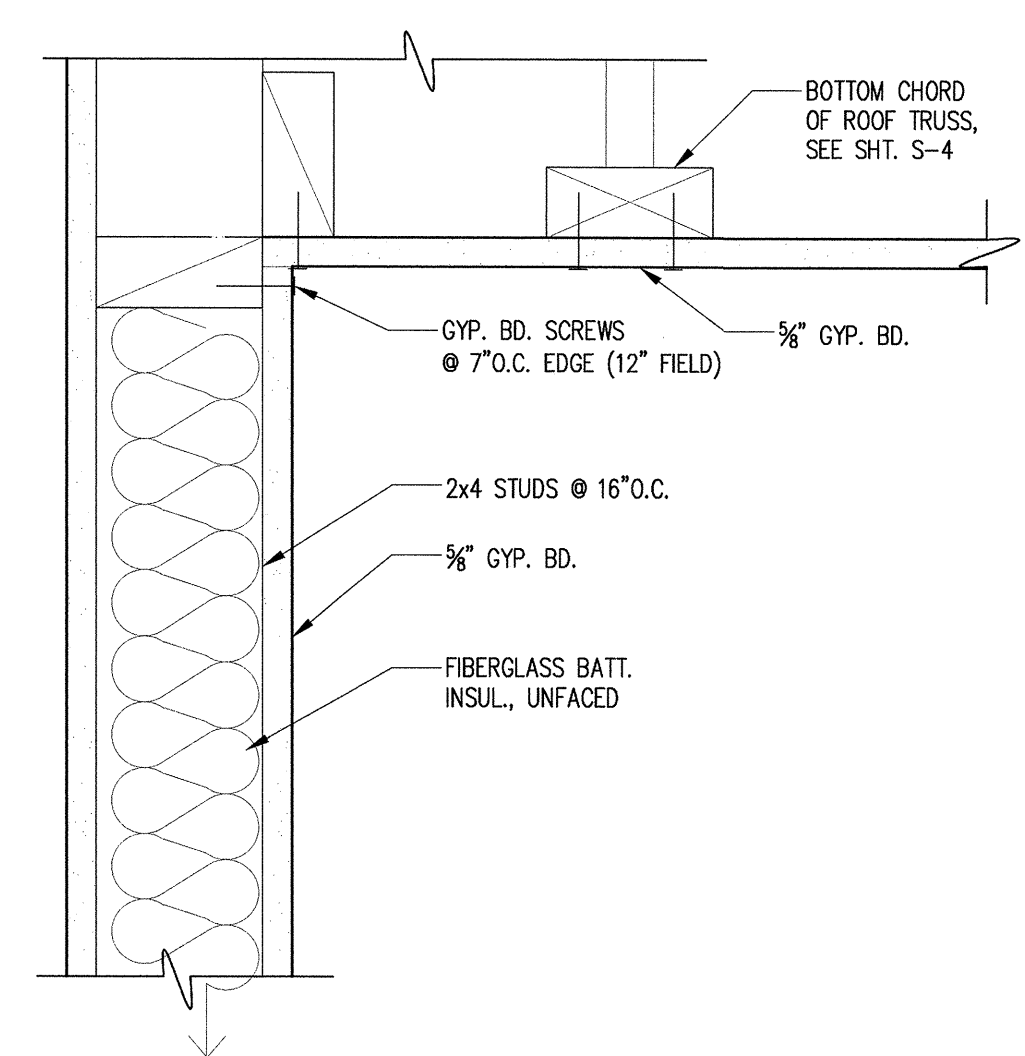
4 BASE TRIM & WEEPSCREED  
DETAIL SCALE: N.T.S.



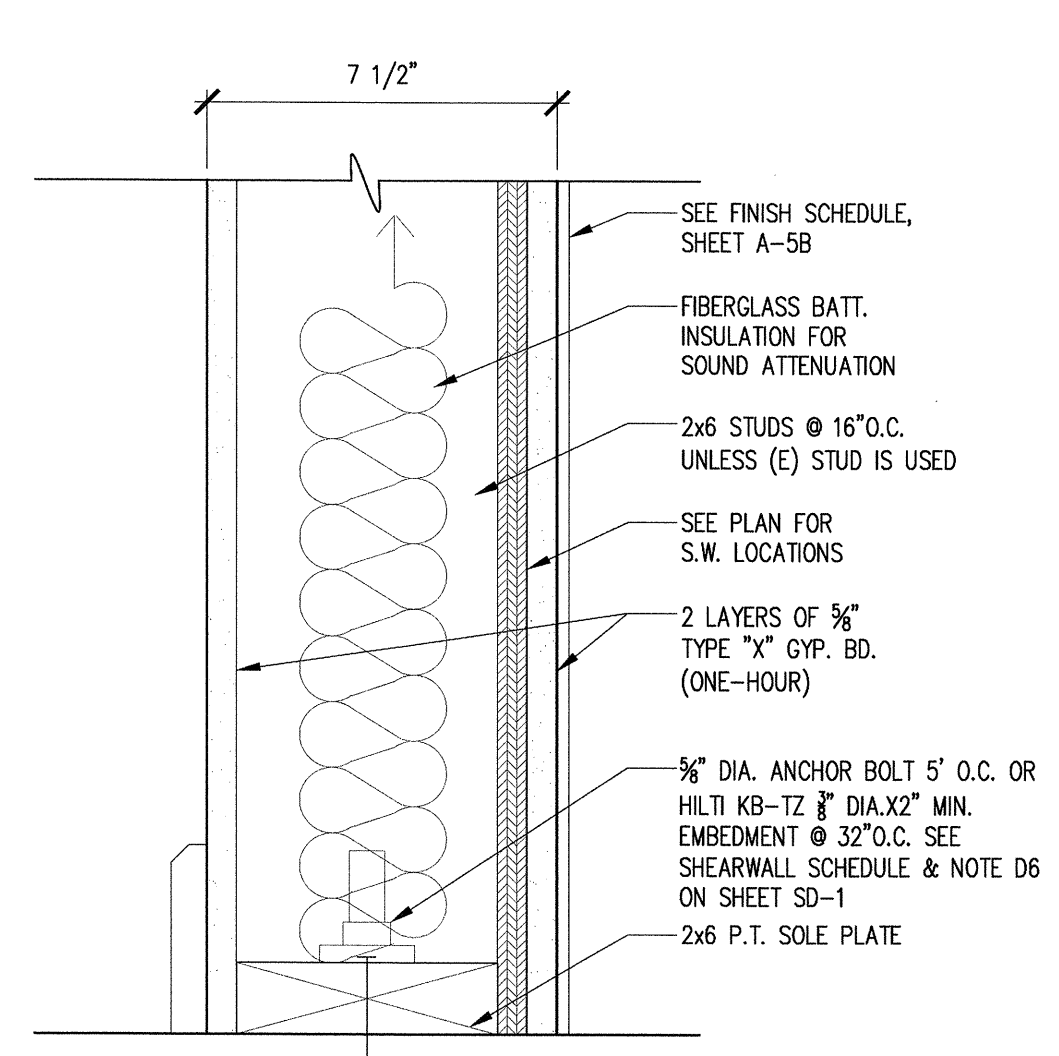
8 TYP. PARTITION WALL  
DETAIL SCALE: 3"=1'-0"



2 OVERFLOW SCUPPER  
DETAIL SCALE: N.T.S.

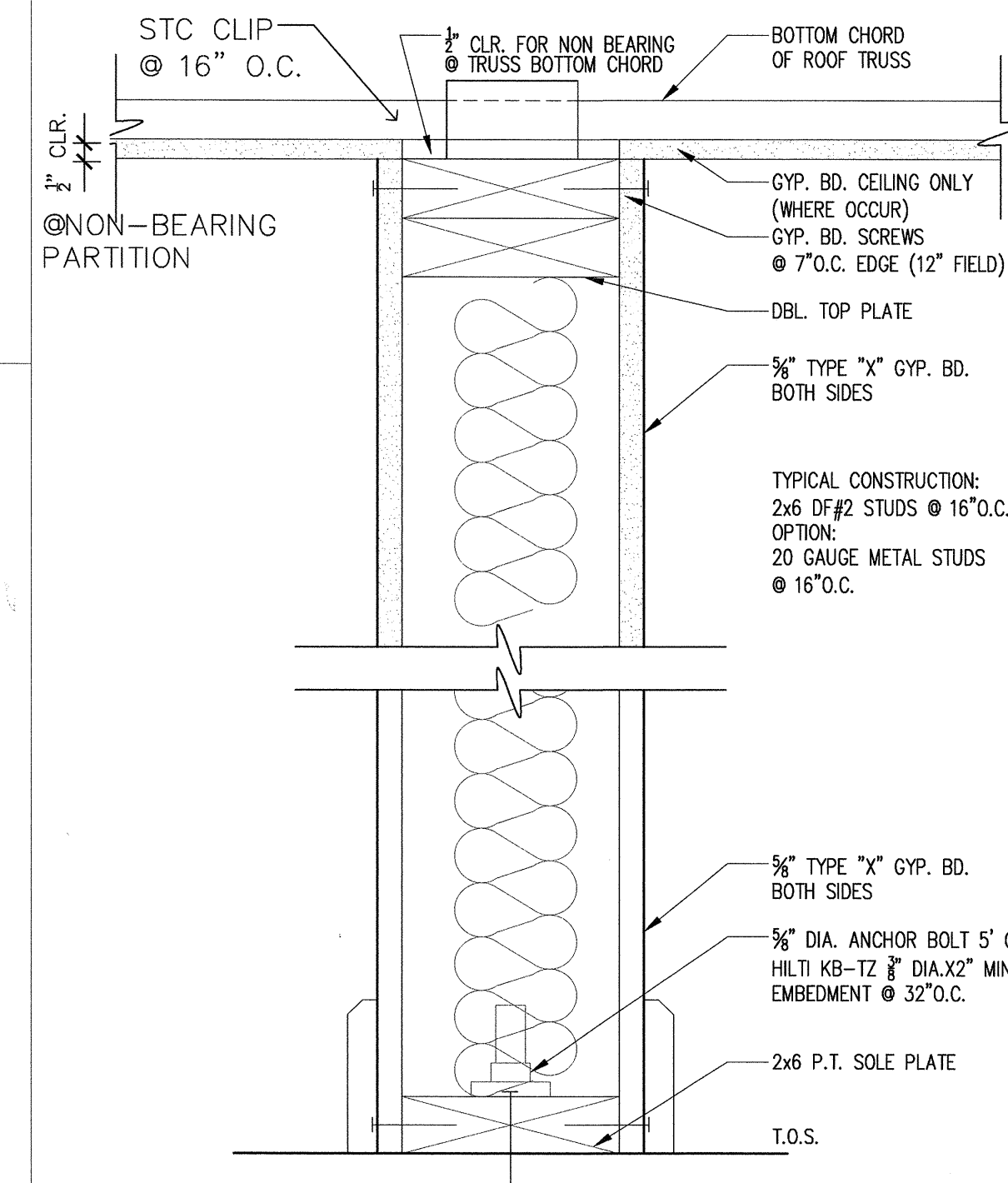


3 CEILING  
DETAIL SCALE: 3"=1'-0"

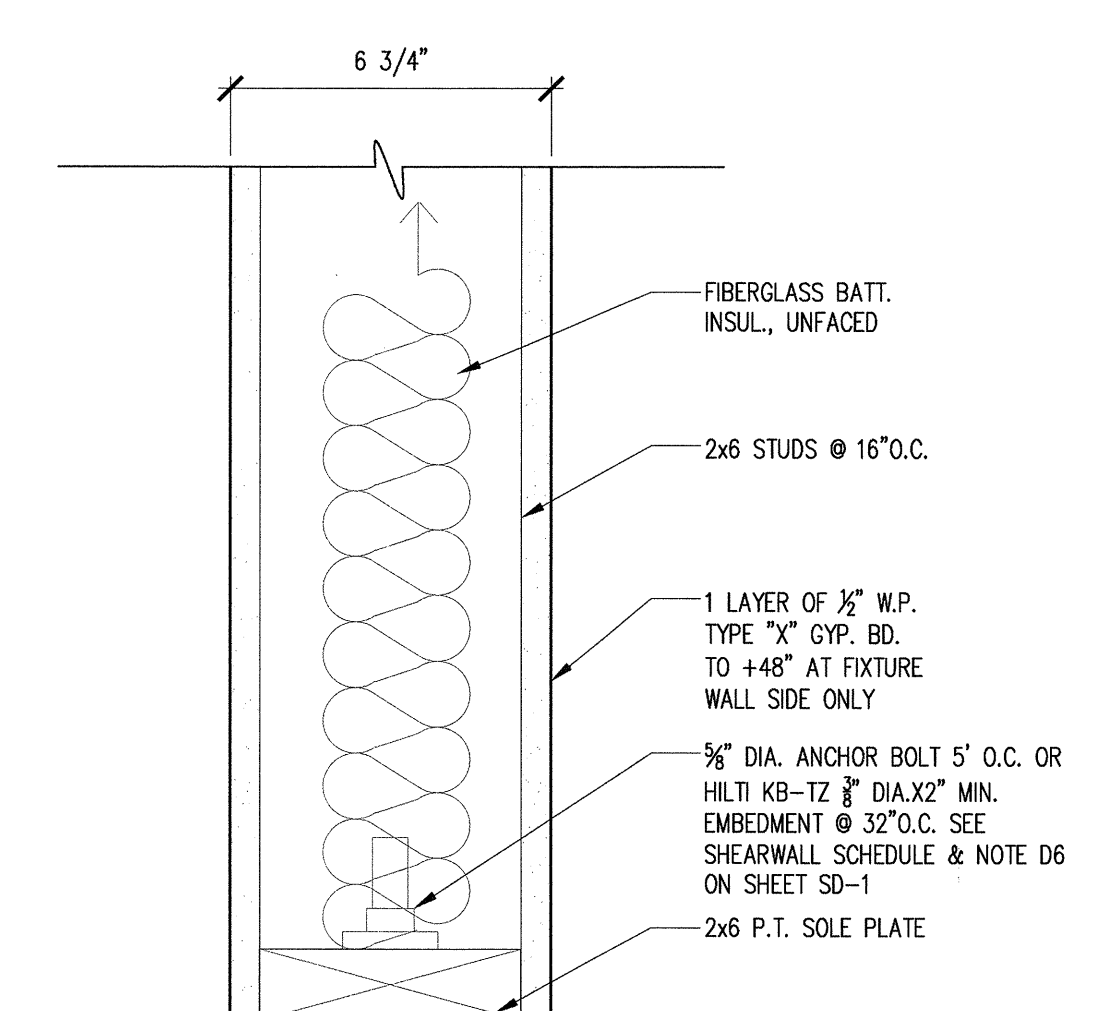


5 PARTITION WALL  
DETAIL SCALE: 3"=1'-0"

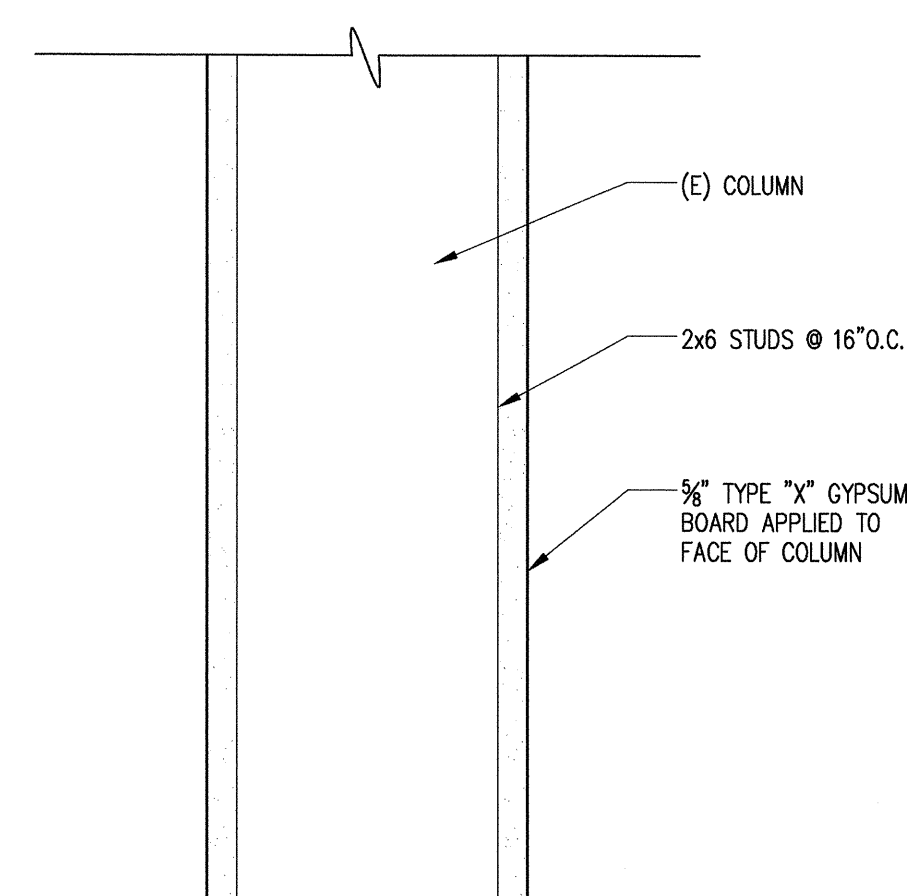
NOTE:  
FOR HILTI KWIK BOLT TZ CARBON ANCHORS IN CONCRETE SEE ATTACHED ICC-ES EVALUATION REPORT ESR-1917.



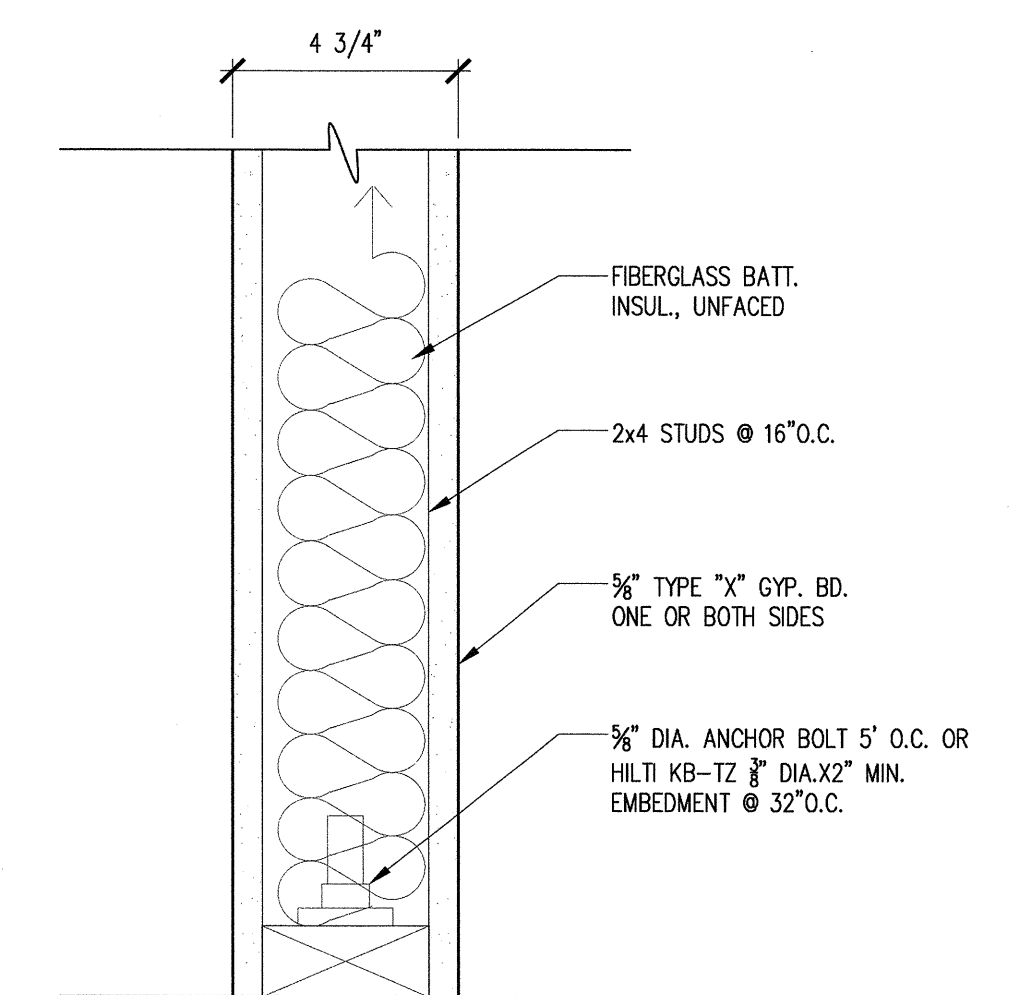
7 (N) INT. NON BEARING WALL  
DETAIL SCALE: 3"=1'-0"



9 TYP. PLUMBING WALL  
DETAIL SCALE: 3"=1'-0"



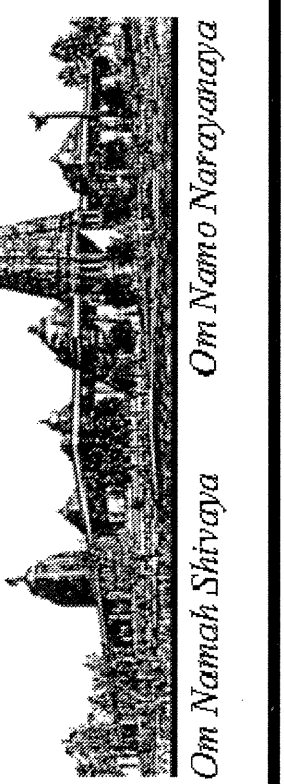
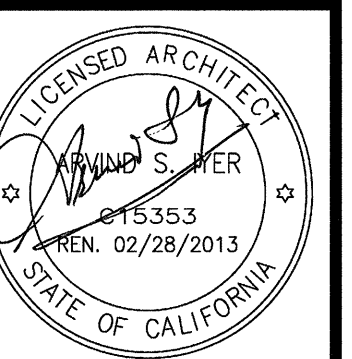
6 SINGLE LAYER GWB  
AT COLUMN SCALE: 3"=1'-0"



10 PARTITION WALL  
DETAIL SCALE: 3"=1'-0"

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A-4.3

ABBREVIATIONS			
A	AMPS OR AMPERES	(N) N	NEW
AFF	ABOVE FINISHED FLOOR	NO/NC	NORMALLY OPEN/NORMALLY CLOSED
CKT	CIRCUIT	NIC	NOT IN CONTRACT
CB	CIRCUIT BREAKER	NL	NIGHT LIGHT
C	CONDUIT	NTS	NOT TO SCALE
C.O.	CONDUIT ONLY (EMPTY CONDUIT)	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	(R)	REMOVE
FA	FIRE ALARM	(RN)	RENAME
FSD	FIRE SMOKE DAMPER	R	REUSED
FBO	FURNISHED BY OTHERS	SAD	SEE ARCHITECTURAL DRAWINGS
G GFCI	GROUND FAULT CIRCUIT INTERRUPTER	SMD	SEE MECHANICAL DRAWINGS
		SPD	SEE PLUMBING DRAWINGS
HOA	HAND/OFF/AUTO	TTB	TELEPHONE TERMINAL BOARD
JB	JUNCTION BOX	TYP	TYPICAL
LED	LIGHT EMITTING DIODE	TVSS	TRANSIENT SURGE SUPPRESSOR SYSTEM
L	LOCKABLE	T/S TS	TIME SWITCH
MCC	MOTOR CONTROL CENTER	UON	UNLESS OTHERWISE NOTED
MTD	MOUNTED	V	VOLTS
MLO	MAIN LUG/S ONLY	VIF	VERIFY IN FIELD
		W	WIRE
		WP	WEATHERPROOF

LUMINAIRE SCHEDULE							
TYPE	DESCRIPTION	CATALOG NO.	LAMPS	VOLTS	WATTS	MOUNTINGS	REMARKS
L1	2X4 RECESSED MOUNTED DIRECT-INDIRECT FLUORESCENT LUMINAIRE WITH ELECTRONIC BALLAST SUITABLE FOR BI-LEVEL SWITCHING.	LITHONIA # 2AV-G_-28TS-MDR_-MVOLT GEB10PS	2- F028/75/835	120	60	RECESSED	
L2	2X2 RECESSED MOUNTED DIRECT-INDIRECT FLUORESCENT LUMINAIRE WITH ELECTRONIC BALLAST SUITABLE FOR BI-LEVEL SWITCHING.	LITHONIA # 2AV-G_-14TS-MDR_-MVOLT GEB10PS	2- F014/75/835	120	30	RECESSED	
L3	6" APERTURE COMPACT FLUORESCENT DOWNLIGHT WITH ELECTRONIC BALLAST.	LITHONIA # AF-126-DTT-6AR-LD-MVOLT GEB10IS	1- 28DTT	120	30	RECESSED	
L4	6" APERTURE COMPACT FLUORESCENT DOWNLIGHT WITH ELECTRONIC BALLAST WITH LENS SUITABLE FOR SHOWER ROOM.	LITHONIA # AF-226-DTT-6AR-LD-CGL-MVOLT GEB10IS	2- 28DTT	120	54	RECESSED	
L5	NOT USED.						
L6	NOT USED.						
L7	2-T5 LAMP FLUORESCENT STRIP LUMINAIRE WITH SYMMETRIC REFLECTOR AND WIRE GUARD.	LITHONIA # ZSMR-46-MVOLT-GEB10PS	2- F028/75/835	120	60	48" CHAIN-HUNG	
L8	NOT USED.						
L9	WALL MOUNTED COMPACT FLUORESCENT LUMINAIRE WITH ELECTRONIC BALLAST. FULL CUT-OFF AND DARK NIGHT TYPE.	LITHONIA # MRW-226-DTT-MD-MVOLT-GEB10_LPI	2- 28DTT	120	54	WALL	
LF	52" PADDLE FAN/LIGHT BRUSHED NICKEL FINISH WITH 1-18W CFL LAMP. THREE SPEED WITH REMOTE CONTROL TO INDEPENDENTLY CONTROL FAN AND LIGHT.	HUNTER SONIC # 21585	1- 18W CFL	120	110	SURFACE CEILING	BLACK/Maple BLADES
LX	LED-TYPE EXIT SIGNAGE ARROWS, MOUNTING TYPE AND FACES AS SHOWN ON PLAN.	LITHONIA # EDG_-1/2-G-120/277-ELN	INCLUDED	120	5	CEILING/WALL	

NOTES 1. COLOR AND FINISHES BY ARCHITECT.  
2. PROVIDE EMERGENCY BATTERY PACK OR BALLAST AS REQUIRED.

LEGEND	
SYMBOL	DESCRIPTION
<b>POWER</b>	
1	DUPLEX RECEPTACLE OUTLET, NEMA 5-20R, WALL MOUNTED +18" AFF UON.
G	G (GFCI) = GROUND FAULT CIRCUIT INTERRUPTER TYPE 1=ASSOCIATED CIRCUIT. D=DEDICATED CIRCUIT
	DUPLEX RECEPTACLE - WALL MOUNTED ABOVE COUNTER
	DOUBLE DUPLEX (QUAD) RECEPTACLE, NEMA 5-20R, WALL MTD +18" AFF 1,3 ASSOCIATED CIRCUIT
	DUPLEX RECEPTACLE OUTLET - FLUSH MOUNTED ON CEILING
	DUPLEX RECEPTACLE OUTLET - FLUSH FLOOR MOUNTED
<b>LIGHTING</b>	
	2X4 FLUORESCENT LUMINAIRE - RECESSED MOUNTED
	2X2 FLUORESCENT LUMINAIRE - RECESSED MOUNTED
	FLUORESCENT DOWNLIGHT LUMINAIRE - RECESSED MOUNTED
	FLUORESCENT DOWNLIGHT LUMINAIRE - SURFACE MOUNTED
	FLUORESCENT STRIP - SURFACE OR CEILING MOUNTED
	PADDL FAN/LIGHT - SURFACE CEILING MOUNTED
	COMPACT FLUORESCENT LUMINAIRE - WALL MOUNTED
	POLE MOUNTED PARKING LOT LIGHTING LUMINAIRE - SINGLE OR TWIN HEAD.
<b>SWITCHES</b>	
	SINGLE POLE SWITCH, LOWER CASE LETTER INDICATES CIRCUIT OR LAMPS CONTROLLED BY SWITCH, +48" AFF U.O.N. "L" DENOTES LOCKABLE "PS" PROJECTION SCREEN "3" DENOTES THREE-WAY "D" DIMMER TYPE
	MOTOR RATED SWITCH WITH THERMAL OVERLOAD ELEMENT.
	OCCUPANCY SENSOR SWITCH - WALL MOUNTED: SUITABLE UP TO 300SF BI-LEVEL OR SINGLE LEVEL TYPE
	OCCUPANCY SENSOR SWITCH - CEILING MOUNTED: SUITABLE UP TO 1000SF
<b>MISCELLANEOUS</b>	
	L1 LIGHTING FIXTURE TAG, "L1" = FIXTURE TYPE
	SHEET NOTES TAG
	EQUIPMENT IDENTIFICATION EQUIPMENT NUMBER
<b>CONVENTIONS</b>	
1, 3, 5	INDIVIDUAL CIRCUITS TO INDIVIDUAL OR MULTI-POLE BREAKERS
	PANELBOARD NOMENCLATURE: PANEL SEQUENCE BUILDING VOLTAGE I.D. - = 120/208 VOLTS

DRAWING INDEX		
NO.	DWG. NO.	DESCRIPTION
1	E-0.0	ELECTRICAL LEGEND & DRAWING INDEX
2	E-0.1	ELECTRIC ONE-LINE DIAGRAM, DETAILS AND SCHEDULES
3	E-0.2	ELECTRIC SITE PLAN
4	E-1.1	POWER AND SIGNAL PLAN
5	E-1.2	LIGHTING PLAN
6	E-1.3	ELECTRICAL ROOF PLAN
7	E-2.1	SPECIFICATIONS

LEGEND	
SYMBOL	DESCRIPTION
<b>PANELBOARDS AND TERMINALS</b>	
	DISTRIBUTION BOARD OR MOTOR CONTROL CENTER
	BRANCH CIRCUIT PANEL, FLUSH OR SURFACE MOUNTED, (120/208V, 3Ø, 4W)
	TERMINAL CABINET (TYPE AS INDICATED), FLUSH OR SURFACE MTD.
	TERMINAL BOARD. 3/4" THICK MARINE PLYWOOD
<b>EQUIPMENT CONNECTION</b>	
	MOTOR
	JUNCTION BOX, WALL OR CEILING MOUNTED
	PULLBOX. MOUNTING AND SIZE AS INDICATED P = POWER; T = TELECOMM
	MAGNETIC STARTER
	SAFETY DISCONNECT SWITCH-30A SIZE. LETTER DENOTES OTHER SIZES: A = 30 AMPS 15 = 15 AMP FUSES - = NON-FUSIBLE TYPE B = 60 AMPS 30 = 30 AMP FUSES C = 100 AMPS 40 = 40 AMP FUSES
	COMBINATION STARTER - FVNR HOA, NUMBER INDICATES NEMA SIZE
	PACKAGE CONTROLLER OR STARTER FURNISHED AND INSTALLED UNDER ANOTHER SECTION BUT WIRED UNDER THIS SECTION.
	PHOTO-VOLTAIC INVERTER
	KILOWATT-HOUR METER WITH CURRENT AND POTENTIAL TRANSFORMERS.
	FIRE SMOKE DAMPER, SMD
<b>SIGNAL</b>	
	TELECOMM WALL OUTLET, +18" AFF U.O.N.; RING AND STRING ONLY
	TELECOMM WALL OUTLET, MOUNTED ABOVE COUNTER
	TELECOMM CEILING OUTLET, FACE DOWN
	TELECOMM FLOOR OUTLET
	FIRE ALARM REMOTE ANNUNCIATOR
	FIRE ALARM CONTROL PANEL
	SMOKE DETECTOR, CEILING MOUNTED. "R" DENOTES WITH RELEASING CONTACT
	SMOKE DETECTOR, DUCT MOUNTED. FURNISHED AND WIRED BY DIV 16, INSTALLED BY DIV 15
	HEAT DETECTOR, CEILING MOUNTED.
	FIRE ALARM STROBE UNIT +80" AFF
	FIRE ALARM HORN/STROBE UNIT +80" AFF
	FIRE ALARM MINI-HORN/STROBE UNIT +80" AFF
	FIRE ALARM PULL STATION +48" AFF
	FIRE ALARM TAMPER SWITCH
	FIRE ALARM WATER FLOW SWITCH
<b>RACEWAYS</b>	
	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 CABINET
	CONDUIT UP
	CONDUIT DOWN
	CONDUIT OR DUCT STUB
	GROUND WIRING, SIZE AS INDICATED
	CROSSMARKS (SHOWN IN HOMERUN ONLY) INDICATE THE FOLLOWING: 1. NUMBER ADJACENT TO CROSSMARKS INDICATES WIRE SIZES. NO NUMBER INDICATES SIZE #12 WIRE. 2. NO CROSSMARKS INDICATES 2#12 AWG CONDUCTORS. 3. SHORT CROSSMARK IS PHASE WIRE, LONG CROSSMARK IS NEUTRAL WIRE, AND LONG WITH DOT IS ISOLATED GREEN GROUND CONDUCTOR. 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

REVISIONS	BY
ISSUE FOR PERMIT 10-28-11	

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

ELECTRICAL LEGEND, DRAWING INDEX, SCHEDULES

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

**E-0.0**

PROJECT: 7800SF (N) PANEL D LOCATION: ELEC/TELE BLDG D														
OTH/REC/LTG	SERVICE	KVA LOAD			BKR	CKT	ABC	CKT	BKR	KVA LOAD			SERVICE	LTG/REC/OTH
		A	B	C						A	B	C		
X	AC-D-1	3.3			45/3	1		2	20/1	1.0			EXT AND EMERGENCY (1)	X
	1" C, 3#8 + 1#10G	3.3				3		4	20/1	0.5			EXTERIOR (2)	X
	USE 3P-60A/NF DISC SW.				3.3			5	20/1			1.0	CORRIDOR/UTIL ROOMS	X
X	AC-D-2	4.0			50/3	7		8	20/1	1.3			RESTROOMS/LOUNGE	X
	1" C, 3#8 + 1#10G	4.0				9		10	20/1	1.5			CLASSROOMS	X
	USE 3P-60A/NF DISC SW.				4.0			11	20/1			1.5	MULTI-PURPOSE/SR CNTR	X
X	AC-D-3	2.6			35/3	13		14	20/1	1.0			RESTROOMS/LOUNGE	X
	3/4" C, 3#10 + 1#10G	2.6				15		16	20/1	1.1			SENIOR CENTER	X
	USE 3P-60A/NF DISC SW.				2.6			17	20/1			1.1	SENIOR CENTER	X
X	AC-D-4	3.3			45/3	19		20	20/1	1.1			SENIOR CENTER	X
	1" C, 3#8 + 1#10G	3.3				21		22	20/1	1.1			SENIOR CENTER	X
	USE 3P-60A/NF DISC SW.				3.3			23	20/1			1.3	SENIOR CENTER	X
X	AC-D-5	3.3			45/3	25		26	20/1	1.1			SENIOR CENTER	X
	1" C, 3#8 + 1#10G	3.3				27		28	20/1	1.1			SENIOR CENTER	X
	USE 3P-60A/NF DISC SW.				3.3			29	20/1			1.0	SENIOR CENTER-PR SC	X
	SPARE	1.0				31		32	20/1	0.9			SENIOR CENTER	X
	SPARE	1.0				33		34	20/1	1.0			MULTI-PURPOSE-PR SC	X
	SPARE	1.0				35		36	20/1			0.9	MULTI-PURPOSE	X
X	EF-D-1, 3/4" C, 3#12	1.0				37		38	20/1	0.5			FACE (1)	X
X	EF-D-2, 3/4" C, 3#12	1.0				39		40	20/1	0.5			MPOE	X
X	ROOF RECEPTACLES				0.9	41		42	20/1			0.5	ELEC ROOM	X
		18.5	18.5	18.4						6.9	6.8	7.3		

BUS RATING 400 AMPS  
208/120 VOLTS, 3PH, 4W  
X MAIN CB 300/3P AMPS  
MAIN LUGS ONLY DOUBLE LUGS  
TRIM STYLE: FLUSH X SURFACE  
NOTES: (1) LOCK ON HANDLE  
(2) VIA TS #1D

LOAD BALANCE  
PHASE A: 25.7  
PHASE B: 25.7  
PHASE C: 25.7  
TOTAL (SEC1) 77  
TOTAL (SEC2+SEC3) 57  
TOTAL 134  
SEC 1/3

LIGHTING X 125% 9.8  
RECEPT LOAD 10.0  
BAL OF RECEPT LOAD X 50% DL 17.0  
SUB - TOTAL 36.8 KVA  
HEATING/COOLING 59.1  
MISC LOADS 10.0 KVA  
TOTAL LOAD 106  
TOTAL AMPS 294

PROJECT: 7800SF (N) PANEL D LOCATION: ELEC/TELE BLDG D														
OTH/REC/LTG	SERVICE	KVA LOAD			BKR	CKT	ABC	CKT	BKR	KVA LOAD			SERVICE	LTG/REC/OTH
		A	B	C						A	B	C		
X	PV#1 13.2KW				50/3	43		44	20/1	1.3			MULTI-PURPOSE	X
	GRID-TIED INVERTER					45		46	20/1	1.1			MULTI-PURPOSE	X
	"					47		48	20/1			1.1	MULTI-PURPOSE	X
X	PV#2 13.2KW				50/3	49		50	20/1	1.4			RESTROOMS/JANITOR/EXT	X
	GRID-TIED INVERTER					51		52	20/1	1.0			DRINKING FOUNTAIN	X
	"					53		54	20/1			1.1	MULTI-PURPOSE	X
X	PV#3 13.2KW				50/3	55		56	20/1	1.1			MULTI-PURPOSE	X
	GRID-TIED INVERTER					57		58	20/1	1.1			MULTI-PURPOSE	X
	"					59		60	20/1			1.1	MULTI-PURPOSE	X
X	PV#4 13.2KW				50/3	61		62	20/1	1.1			SENIOR LOUNGE	X
	GRID-TIED INVERTER					63		64	20/1	1.1			SENIOR LOUNGE	X
	"					65		66	20/1			1.1	SENIOR LOUNGE	X
X	PRIEST LOUNGE	1.1				67		68	20/1	1.1			SENIOR LOUNGE	X
X	PRIEST LOUNGE		1.1			69		70	20/1	1.1			SENIOR LOUNGE	X
X	PRIEST LOUNGE			1.1		71		72	20/1			1.1	SENIOR LOUNGE	X
X	CLASSROOM	1.1				73		74	20/1	1.1			PRIEST LOUNGE	X
X	CLASSROOM		0.9			75		76	20/1	1.1			PRIEST LOUNGE	X
X	CLASSROOM			0.9		77		78	20/1			1.1	PRIEST LOUNGE	X
X	CLASSROOM	1.0				79		80	15/1	0.8			CONTROLS	X
X	CLASSROOM		0.9			81		82	15/1	0.8			CP-2	X
	SPARE			1.0		83		84	20/1			0.5	FIRE/SMOKE DAMPER (1)	X
		3.2	2.9	3.0						7.8	7.2	7.0		

SEC 2/3

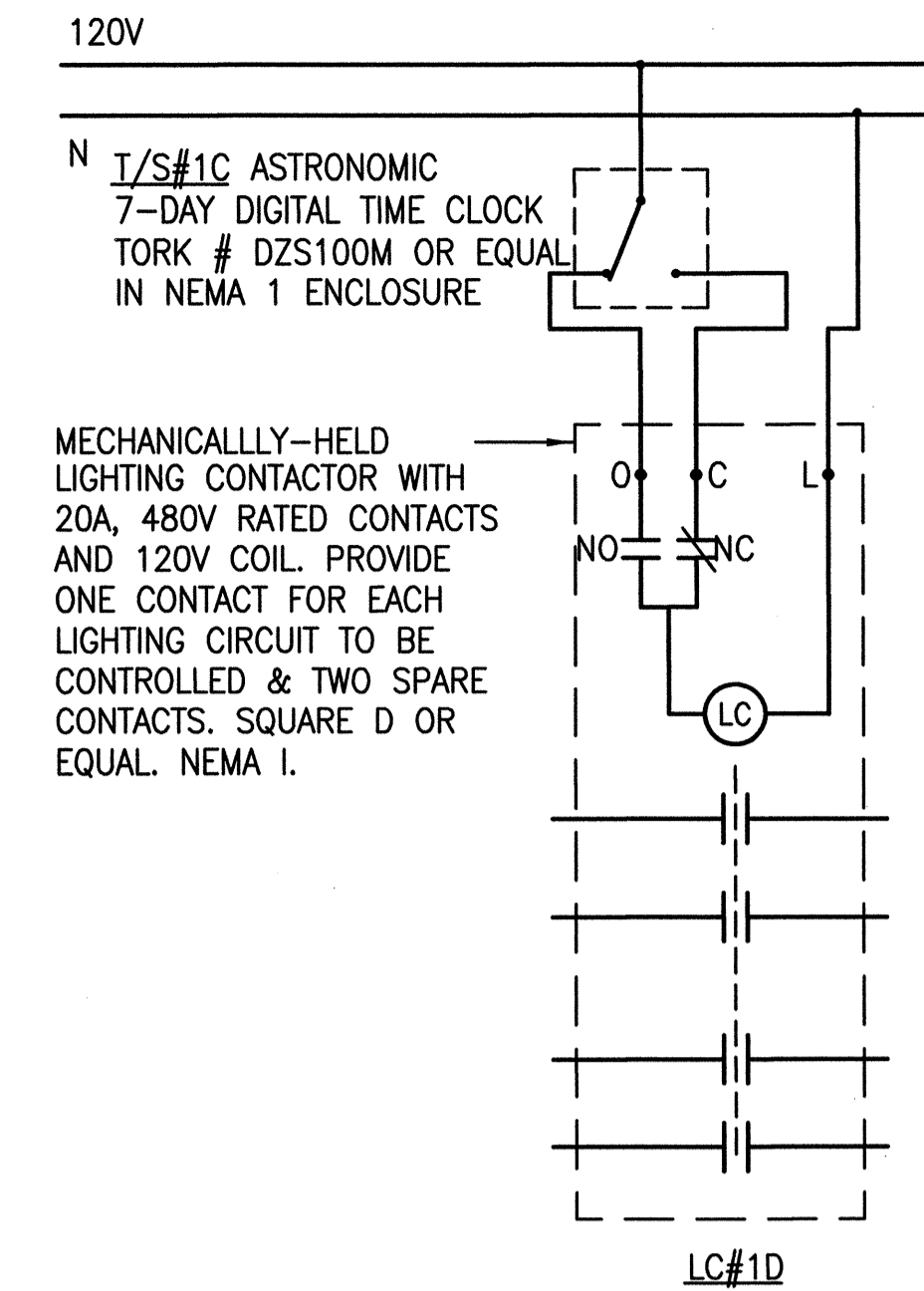
PROJECT: 15600SF (E) PANEL MS2 LOCATION: UTILITY PAD														
OTH/REC/LTG	SERVICE	KVA LOAD			BKR	CKT	ABC	CKT	BKR	KVA LOAD			SERVICE	LTG/REC/OTH
		A	B	C						A	B	C		
	(E) PANEL "C"	34.0			300/3	1		2	300/3	35.0			(N) PANEL "D" (1)	
	"	34.0				3		4	"	35.0			"	
	"	34.0				5		6	"	35.0			"	
X	(E) CIRCUIT	1.0				7		8	20/2	1.0			(E) CIRCUIT	X
X	(E) CIRCUIT	1.0				9		10	"	1.0			"	
X	(E) CIRCUIT	1.0				11		12	20/2	1.0			(E) CIRCUIT	X
X	(E) CIRCUIT	1.0				13		14	"	1.0			"	
	SPARE	1.0				15		16	20/2	1.0			(E) CIRCUIT	X
	SPARE	1.0				17		18	"	1.0			"	
	SPARE	1.0				19		20	20/2	1.0			(E) CIRCUIT	X
	SPARE	1.0				21		22	"	1.0			"	
	SPARE	1.0				23		24	20/1	1.0			SPARE	
	SPARE	1.0				25		26	20/1				SPARE	
	"	200/3				27		28	20/1				SPARE	
	"					29		30	20/1				SPARE	
	"					31		32						
	"					33		34						
	"					35		36						
	"					37		38						
	"					39		40						
	"					41		42						
		38.0	36.0	36.0						38.0	38.0	38.0		

BUS RATING 800 AMPS  
208/120 VOLTS, 3PH, 4W  
X MAIN CB 800/3P AMPS  
MAIN LUGS ONLY DOUBLE LUGS  
TRIM STYLE: FLUSH X SURFACE  
NOTES: (1) (E) 300A CB  
(2)

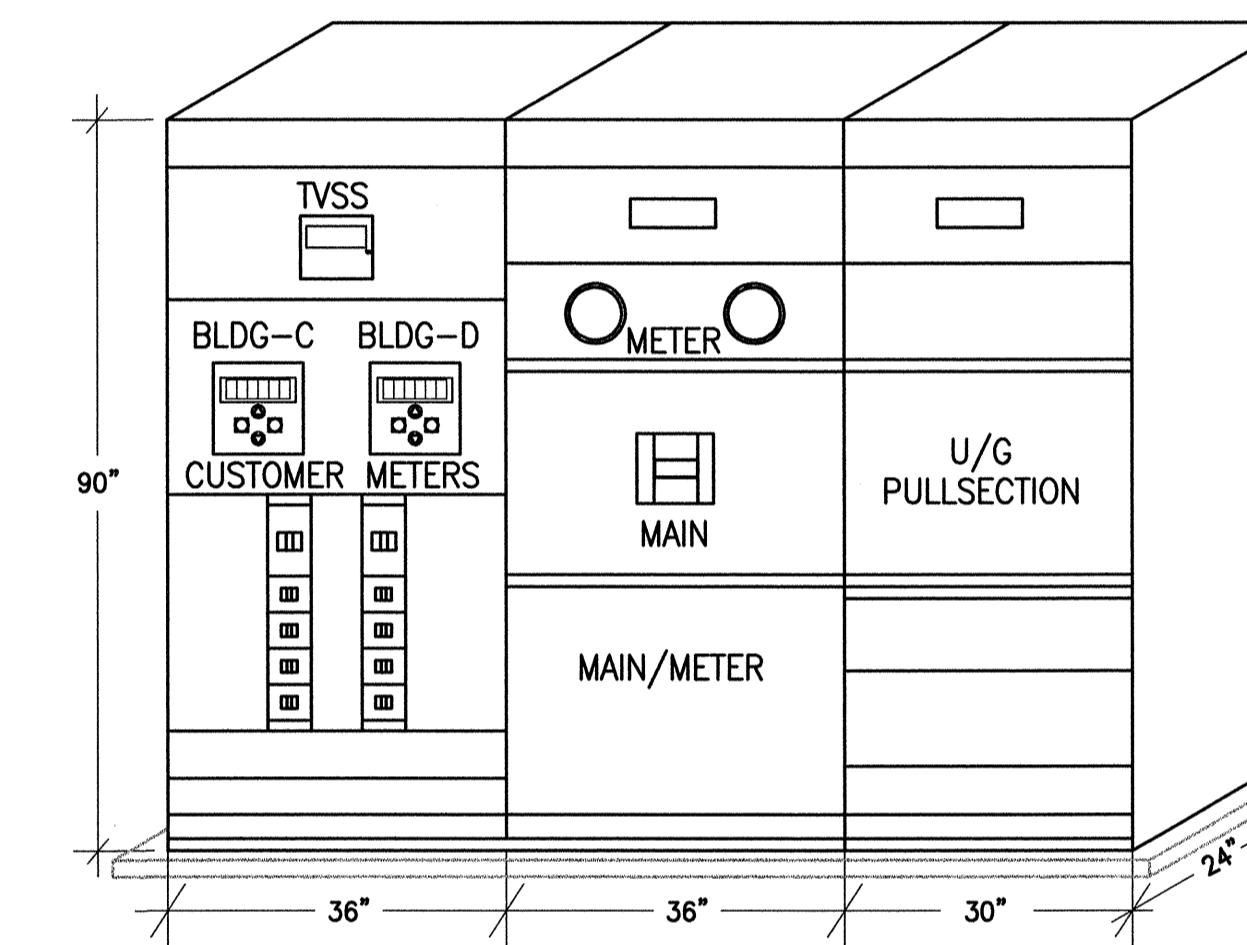
LOAD BALANCE  
LIGHTING X 125% 68.3  
RECEPT LOAD 10.0  
BAL OF RECEPT LOAD X 50% DL 10.6  
SUB - TOTAL 88.9 KVA  
HEATING/COOLING 78.0  
MISC LOADS/SPARE 62.4 KVA  
PARKING LOT LIGHTING X 125% 13.8  
TOTAL LOAD 243  
TOTAL AMPS 675

PROJECT: 7800SF (N) PANEL D LOCATION: ELEC/TELE BLDG D														
OTH/REC/LTG	SERVICE	KVA LOAD			BKR	CKT	ABC	CKT	BKR	KVA LOAD			SERVICE	LTG/REC/OTH
		A	B	C						A	B	C		
X	CLASSROOM	1.1			20/1	85		86	20/1	1.4			CLASSROOM	X
X	CLASSROOM		0.9			87		88	20/1	1.1			CLASSROOM	X
X	CLASSROOM			0.9		89		90	20/1	1.1			CLASSROOM	X
X	CLASSROOM	1.0				91		92	20/1	1.0			CLASSROOM	X
X	CLASSROOM		0.9			93		94	20/1	0.9			CLASSROOM	X
	ACC-D-1 208V 1PH 10FLA			1.2		95		96	20/1			1.0	SPARE	
	3/4" C, 2#12 + 1#12G					97		98					SPARE	
	ACC-D-2 208V 1PH 10FLA			1.2		99		100					SPARE	
	3/4" C, 2#12 + 1#12G					101		102					SPARE	
	ACC-D-3 208V 1PH 10FLA			1.2		103		104					SPARE	
	3/4" C, 2#12 + 1#12G					105		106					SPARE	
	ACC-D-4 208V 1PH 10FLA			1.2		107		108					SPARE	
	3/4" C, 2#12 + 1#12G					109		110					SPARE	
	SPARE			1.0		111		112					SPACE	
	SPARE			1.0		113		114					SPACE	
	SPARE					115		116					SPACE	
	SPARE					117		118					SPACE	
	SPARE					119		120					SPACE	
	SPARE					121		122					SPACE	
	SPARE					123		124					SPACE	
	SPARE					125		126					SPACE	
		5.6	5.1	5.4						2.4	2.0	2.1		

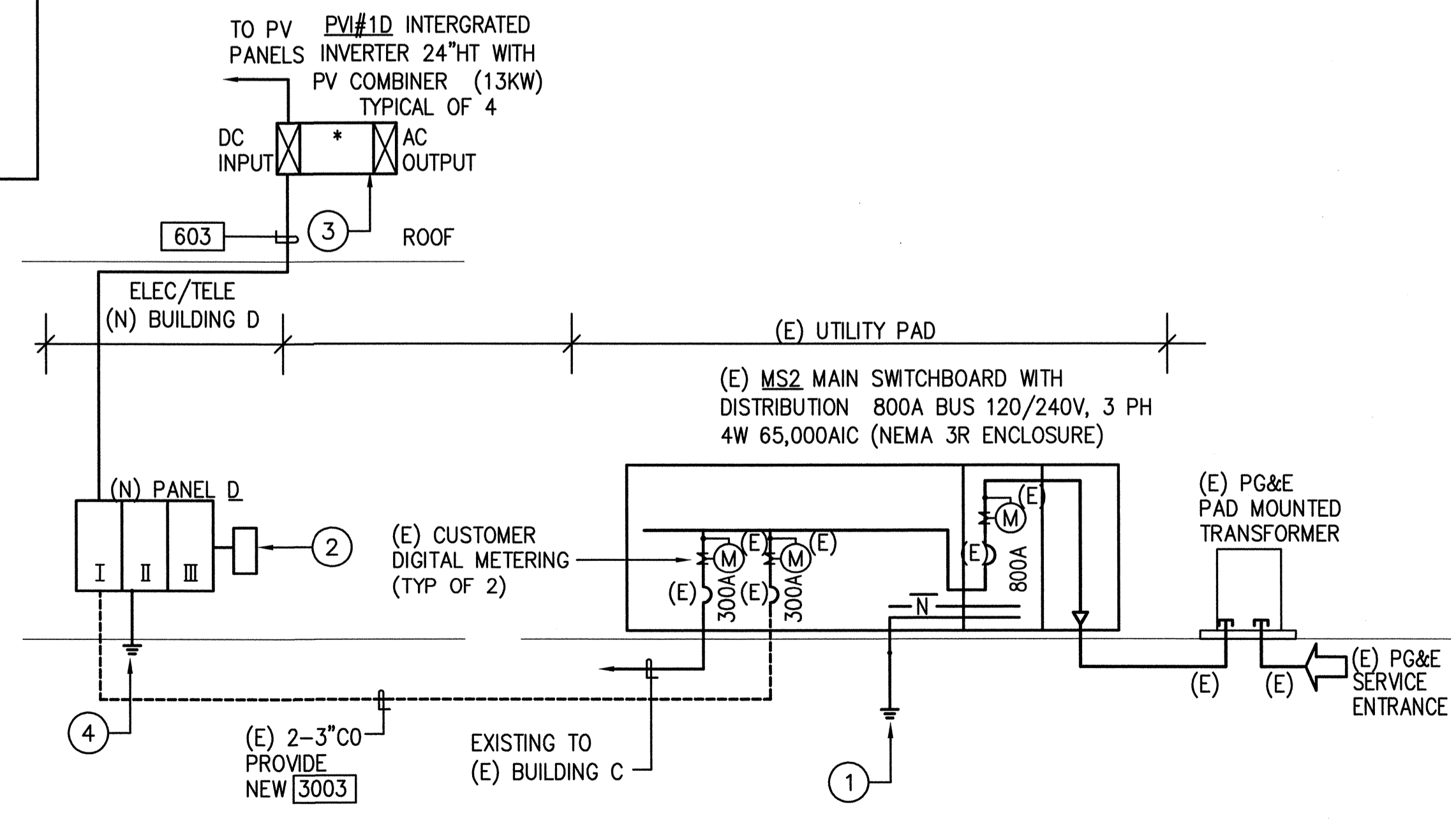
SEC 3/3



3 BUILDING MOUNTED EXTERIOR LIGHTING CONTROLLER  
NOT TO SCALE



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



1 ELECTRICAL ONE-LINE DIAGRAM  
NOT TO SCALE

FEEDER SCHEDULE						
FEEDER TAG	FEEDER DESCRIPTION	CONDUIT	SPARE CONDUIT	CONDUCTORS (75°C - THW)		REMARKS
				PHASE/NEUTRAL	GROUND	
603	60AMP, 3 PHASE, 4 WIRE	1-1 1/4" C		4-#6	1-#8	
1003	100AMP, 3 PHASE, 4 WIRE	1-1 1/4" 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, UPSIZE FEEDER AS REQUIRED.

POWER SHEET NOTES:  
 1 (E) SYSTEM GROUND  
 2 (N) SECONDARY SURGE ARRESTOR  
 3 GRID-TIED PHOTO-VOLTAIC SYSTEM IS DESIGN-BUILD UNDER SEPARATE PERMIT. EQUIPMENT AND FEEDER SHOWN FOR INFORMATION ONLY. VERIFY ALL COMPONENTS WITH PV CONTRACTOR.  
 4 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.

REVISIONS BY

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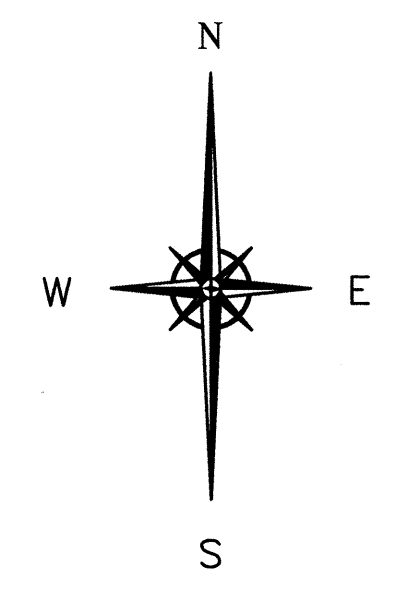
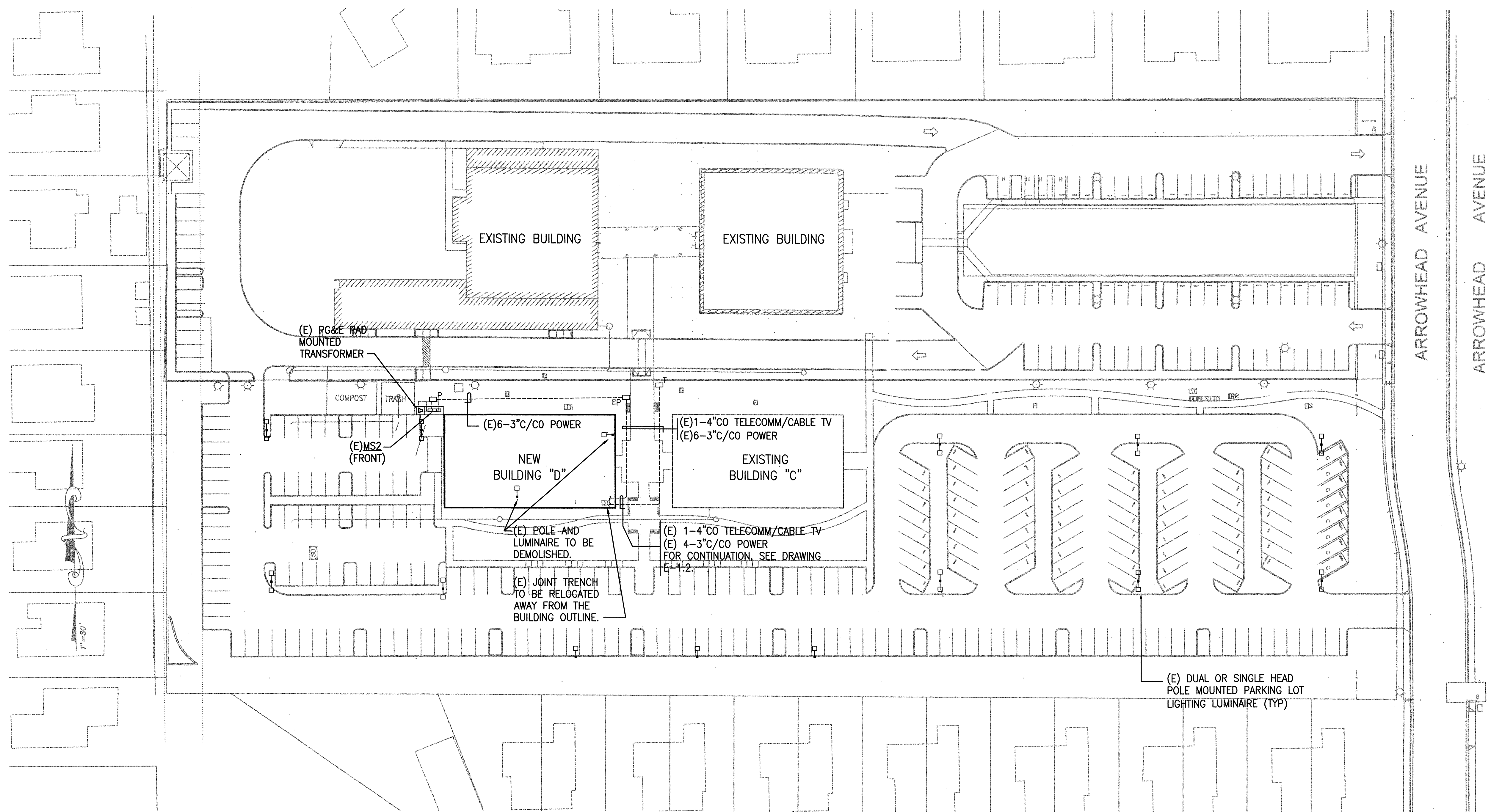
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DIAGRAMS & SCHEDULES  
**BUILDING "D"**  
**HINDU COMMUNITY and CULTURAL CENTER**  
 1200 ARROWHEAD AVE. LIVERMORE, CA 94551

DATE 10/28/11  
 SCALE NONE  
 DRAWN BY: L.A.  
 PROJECT: ARROWHEAD

E-0.1



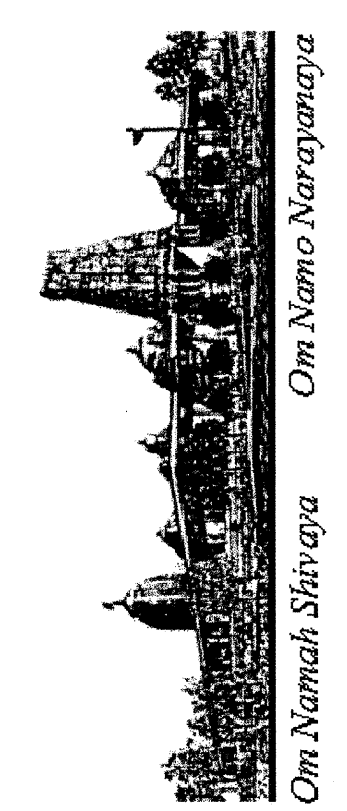
**ELECTRICAL SITE PLAN**

SCALE: 1"=40'-0"

REVISIONS	BY
ISSUE FOR PERMIT 10-28-11	

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**ELECTRICAL SITE PLAN**  
**BUILDING "D"**  
**HINDU COMMUNITY and CULTURAL CENTER**  
 12000 ARROWHEAD AVE. LIVERMORE, CA 94551

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

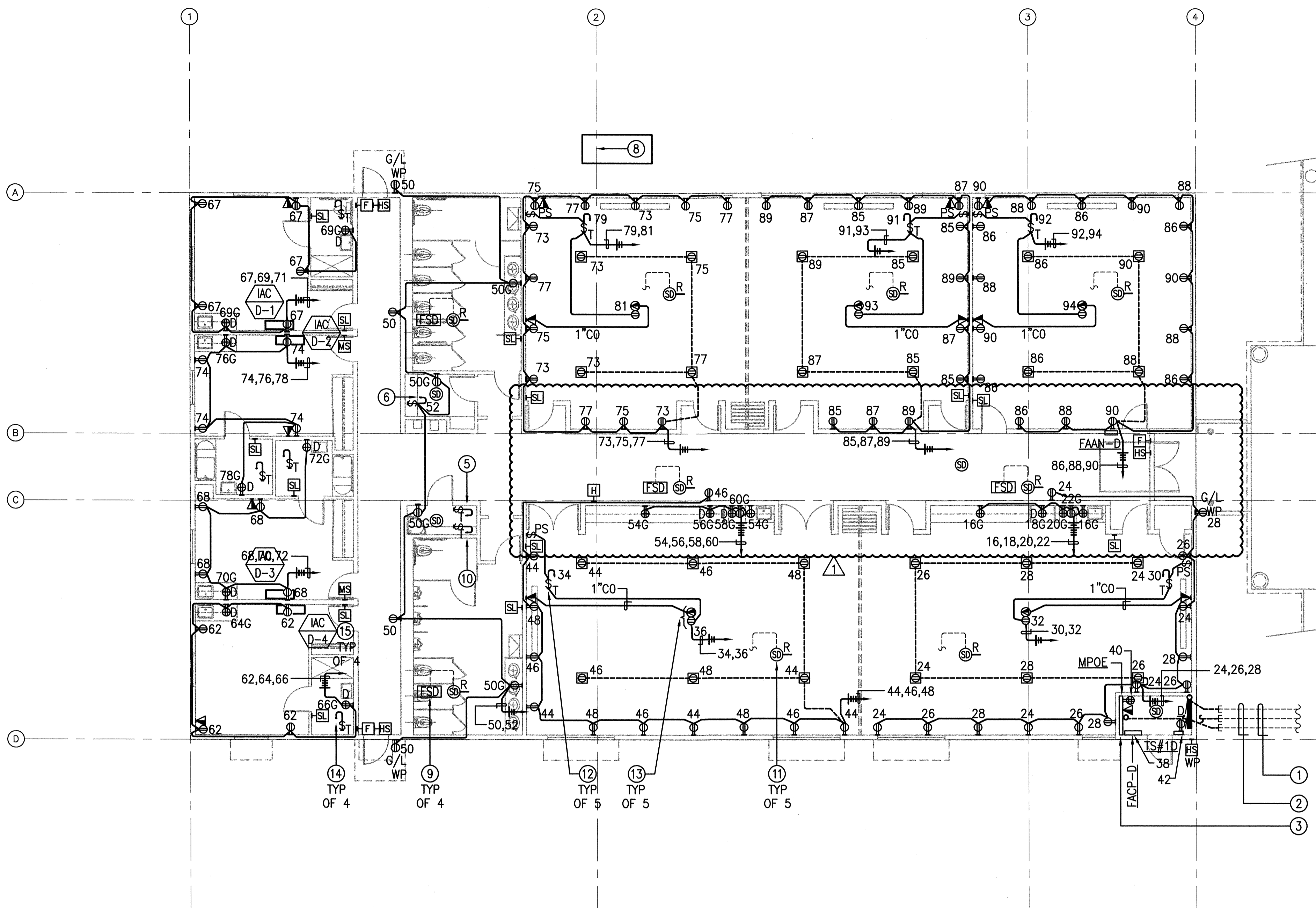
E-0.2





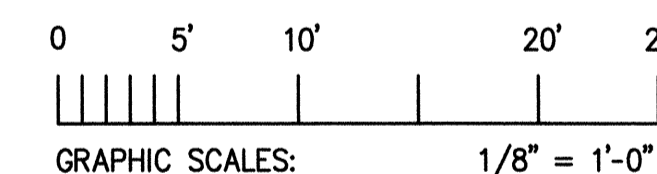
**SHEET NOTES**

- ① (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"X 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.
- ⑪ DUCT MOUNTED SMOKE DETECTOR WITH RELEASING CONTACT TO SHUT DOWN ASSOCIATED ROOFTOP UNIT ON ACTIVATION. PROVIDE CONNECTION TO SHUT-DOWN CIRCUIT OF ROOFTOP UNIT.
- ⑫ FOR MOTORIZED PROJECTION SCREEN WITH WALL MOUNTED PROJECTION SCREEN CONTROLLER.
- ⑬ FACE DOWN ON CEILING FOR LCD PROJECTOR.
- ⑭ FOR EXHAUST FAN, BEF-1, SMD. CONNECT TO CIRCUIT FOR LIGHTING IN ROOM.
- ⑮ FOR CIRCUITING AND CONTROLS, SEE DETAIL 3/E-1.3.



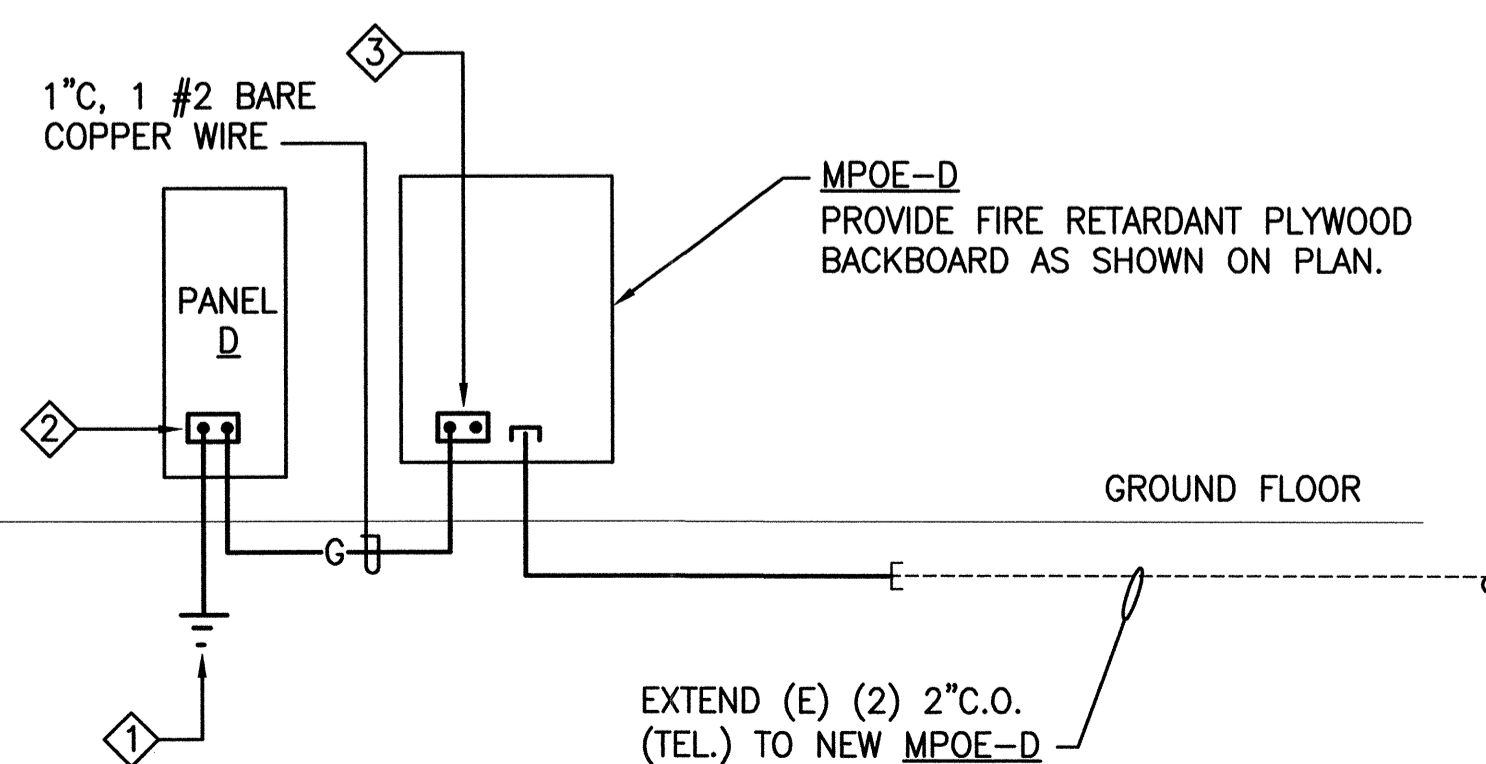
**BUILDING D - PHASE 2  
POWER AND SIGNAL PLAN**

TOTAL 7800 SQ. FT.  
SCALE: 1/8" = 1'-0"



**TELECOMM SHEET NOTES:**

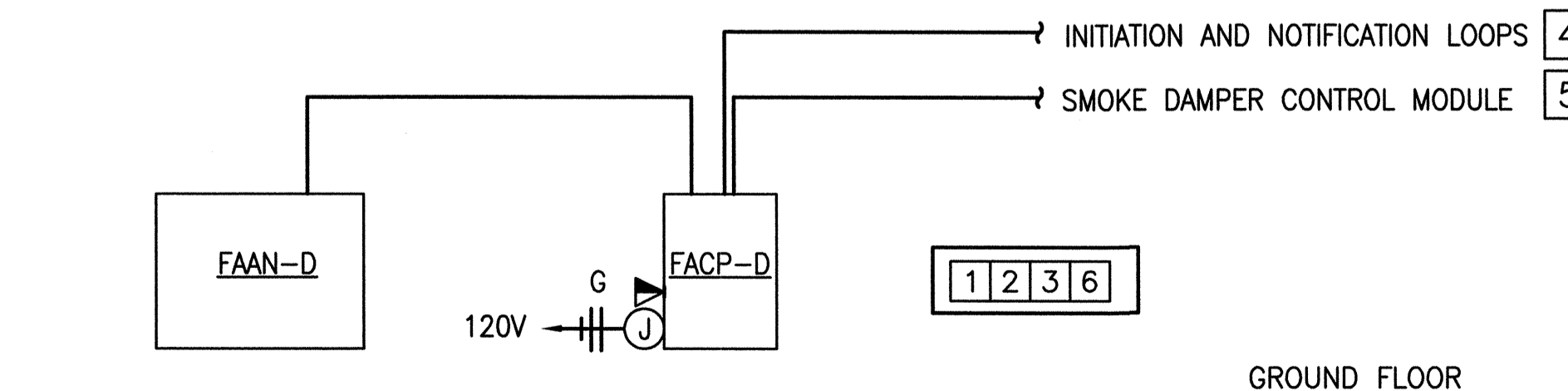
- ① SYSTEM GROUND. SEE DETAIL 1 SHEET E-0.1.
- ② GROUND BUS IN PANEL.
- ③ EQUIPMENT GROUND BUS. 1/4"x4"x12" COPPER GROUND BUS WITH 20-1/4" PRE-DRILLED HOLES, MOUNTED TO THE BOARD WITH 1" THICK RUBBER/PORCELAIN SPACERS.



**3 TELECOMMUNICATIONS/GROUNDING SYSTEM DIAGRAM**  
SCALE: NOT TO SCALE

**FIRE ALARM SYSTEM SHEET NOTES:**

- ① ALL INSTALLATION SHALL BE IN CONDUIT. WIRING SHALL BE PER MANUFACTURER'S RECOMMENDATION. MINIMUM CONDUIT SIZE SHALL BE 3/4".
- ② SUBMIT SHOP DRAWINGS TO LOCAL FIRE MARSHAL FOR APPROVAL PRIOR TO START OF ANY WORK.
- ③ NO WORK SHALL BE STARTED WITHOUT THE APPROVAL OF THE FIRE MARSHAL.
- ④ 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.

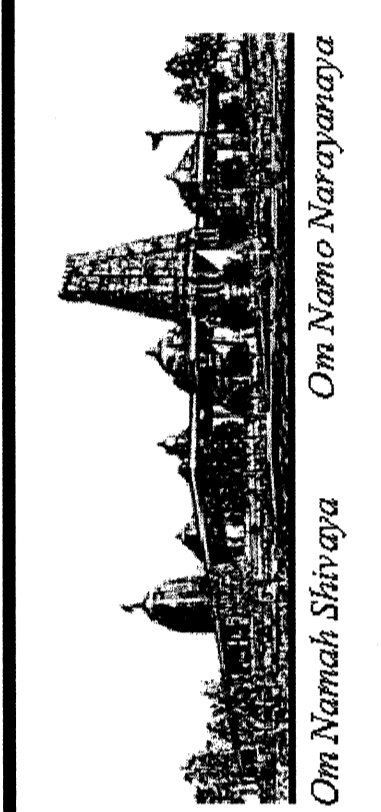


**2 FIRE ALARM SYSTEM DIAGRAM**  
SCALE: NOT TO SCALE

REVISIONS	BY
10-28-11	FOR BUILDING PERMIT
12-14-11	PLAN CHECK RESUBMITAL

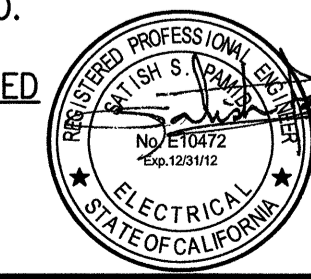
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SCALE	AS SHOWN
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PROJECT:	ARROWHEAD



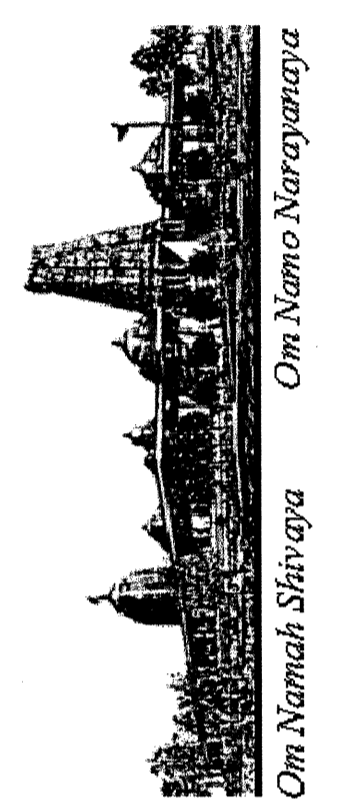
**SHEET NOTES**

- ① FOR CONTROLS OF BUILDING MOUNTED EXTERIOR LIGHTING, SEE DETAIL 3 DRAWING E-0.1.
- ② FOR EGRESS LUMINAIRE WITH BATTERY PACK SHOWN SWITCHED, CONNECT SWITCHLEG AHEAD OF BATTERY CHARGER.
- ③ 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.
- 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 WALL OR CEILING MOUNTED
- ⑥ CANOPY LIGHTING TO MATCH EXISTING (LITHONIA# VGR4-226DT--120-GEB10-DBT-LPI). CONNECT TO EXISTING CANOPY LIGHTING CIRCUIT.

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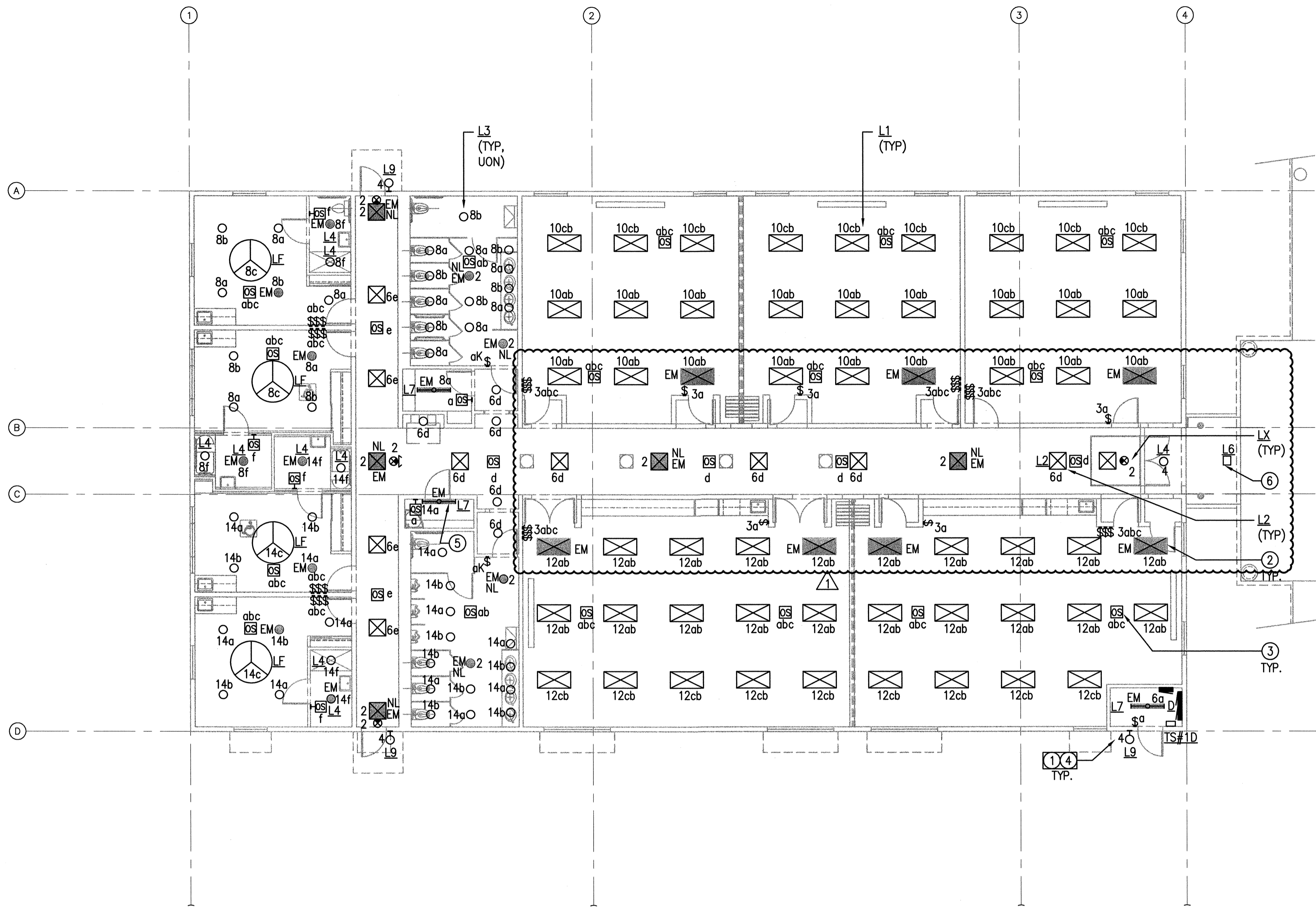
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**LIGHTING PLAN**  
**BUILDING "D"**  
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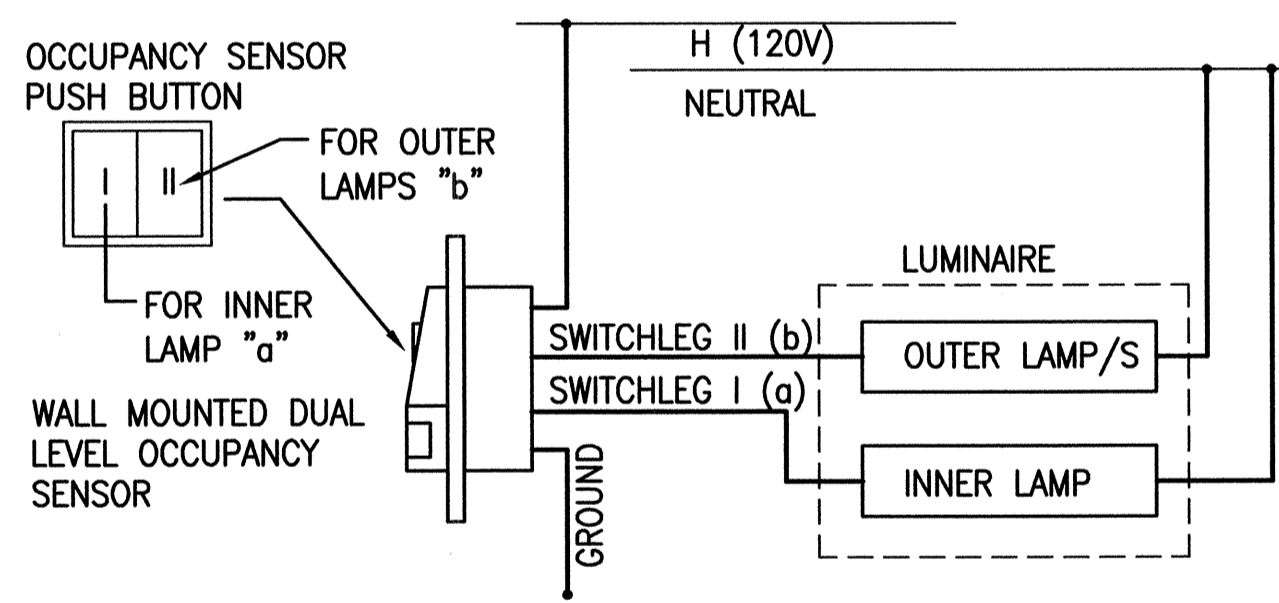
DATE: 10/28/11  
 SCALE: AS SHOWN  
 DRAWN BY: LA  
 PROJECT: ARROWHEAD

E-1.2

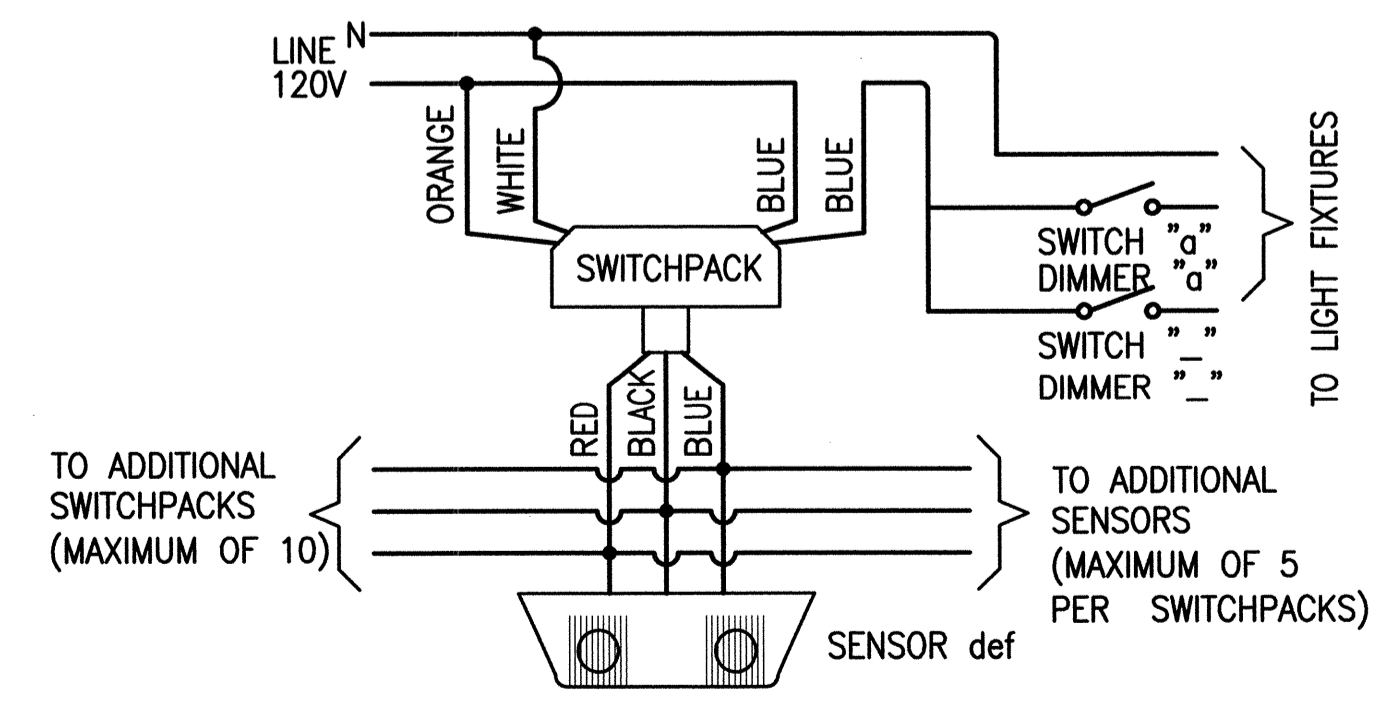


**BUILDING D - PHASE 2**  
**LIGHTING PLAN**

TOTAL 7800 SQ. FT.  
 SCALE: 1/8" = 1'-0"  
 GRAPHIC SCALES: 1/8" = 1'-0"



**2 WALL MOUNTED OCCUPANCY SENSOR WIRING DIAGRAM**  
 SCALE: NOT TO SCALE

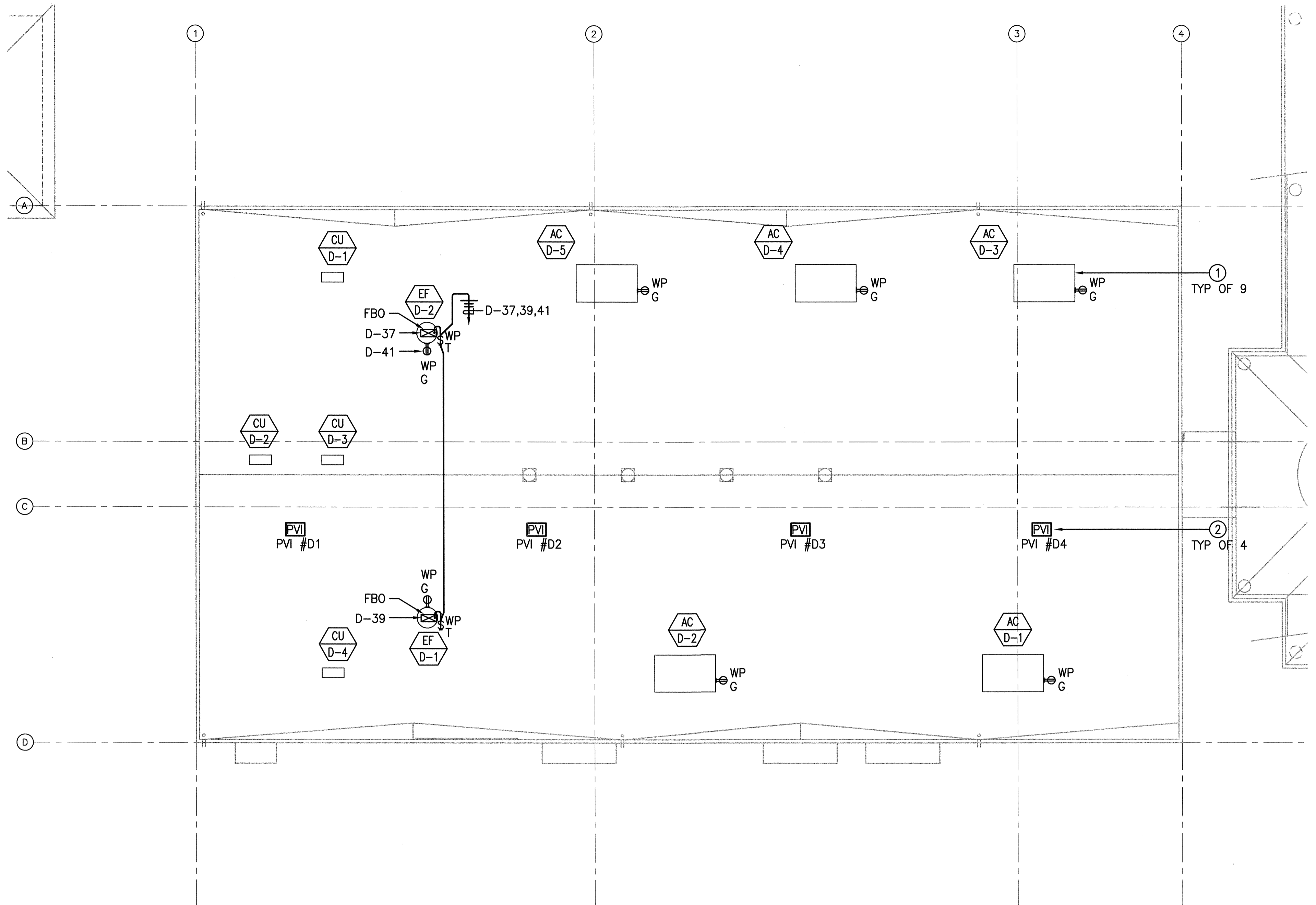


**3 CEILING MOUNTED OCCUPANCY SENSOR WIRING DIAGRAM**  
 SCALE: NOT TO SCALE



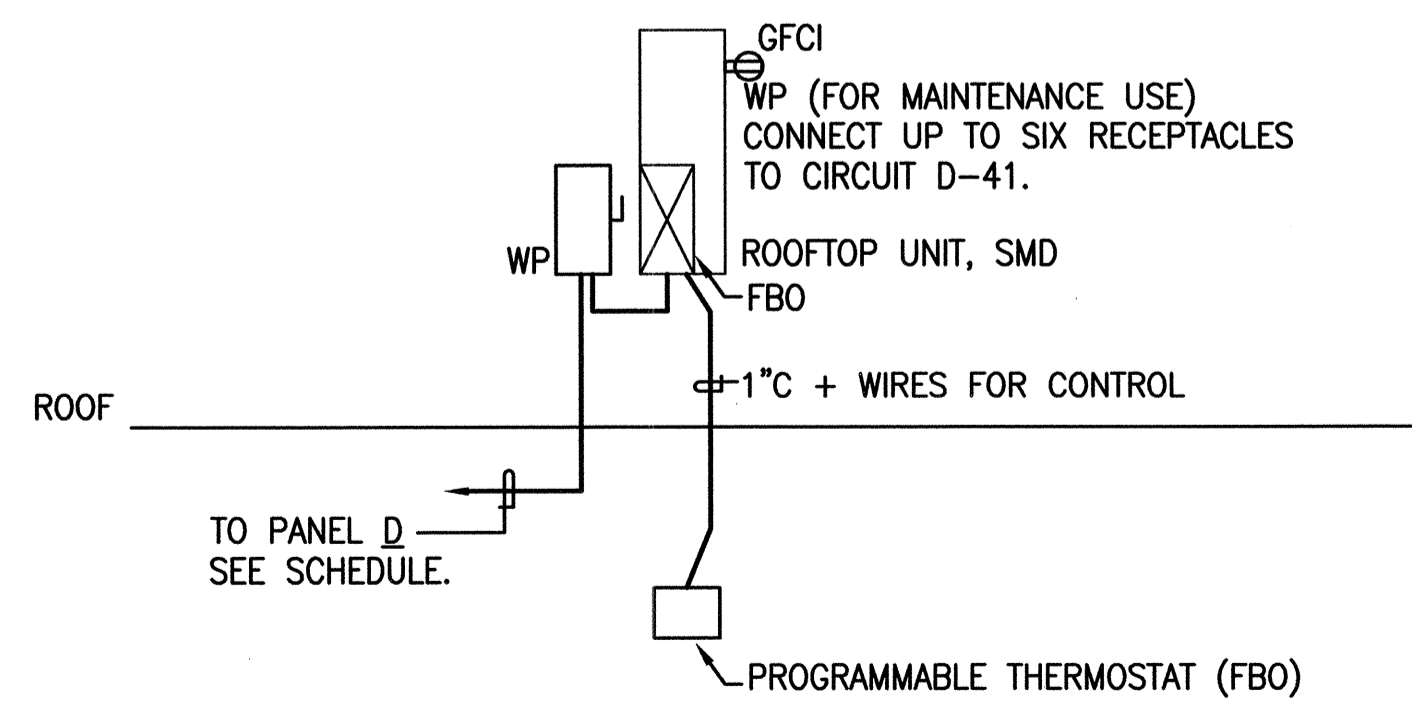
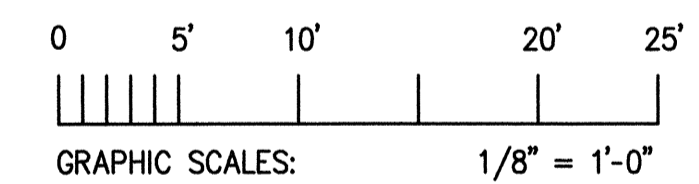
**SHEET NOTES**

- ① FOR WIRING AND DISCONNECT SWITCH REQUIREMENTS FOR HVAC ROOF TOP UNITS AND SPLIT SYSTEMS, SEE DETAIL 2 AND 3 THIS SHEET AND SCHEDULE PANEL "D".
- ② PHOTO-VOLTAIC SYSTEM IS DESIGN-BUILD UNDER SEPARATE PERMIT. LOCATION OF SYSTEM INVERTERS SHALL BE VERIFIED WITH PROVIDER.

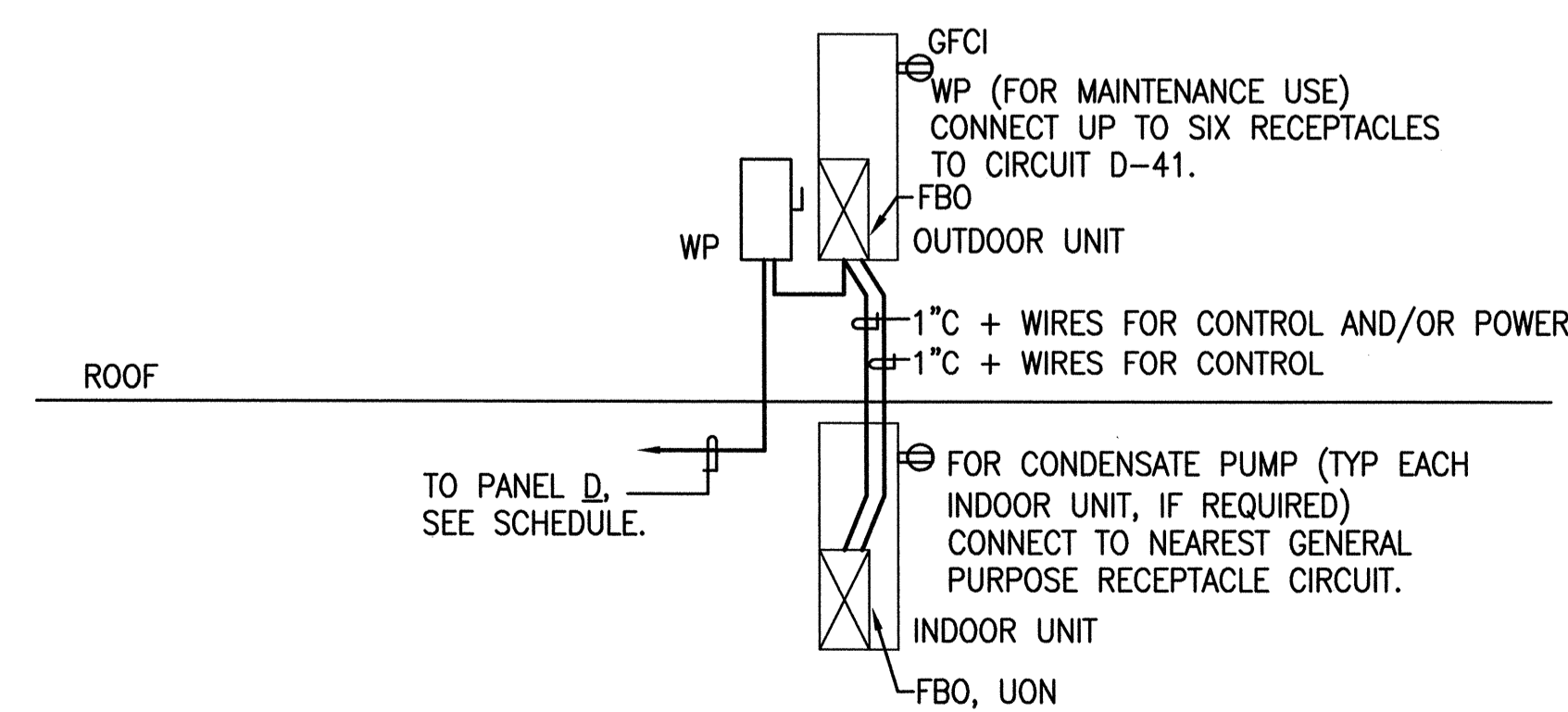


**BUILDING D - PHASE 2  
ELECTRICAL ROOF PLAN**

TOTAL 7800 SQ. FT.  
SCALE: 1/8" = 1'-0"



**② ROOFTOP HVAC UNIT WIRING DIAGRAM - TYPICAL**  
SCALE: NOT TO SCALE

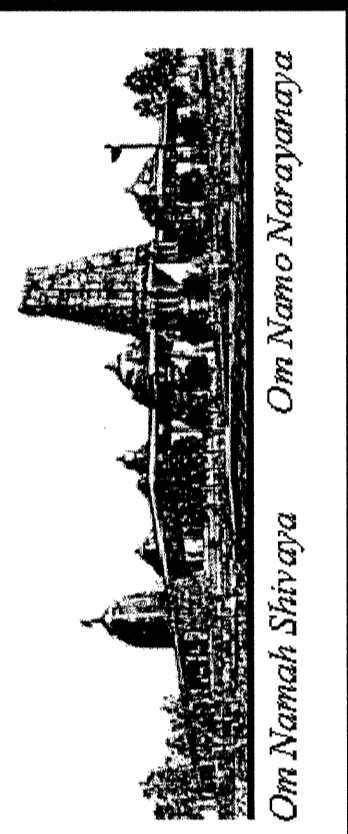


**③ SPLIT SYSTEM HVAC UNIT WIRING DIAGRAM - TYPICAL**  
SCALE: NOT TO SCALE

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**ELECTRICAL ROOF PLAN**  
**BUILDING "D"**  
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L.A.  
PROJECT:  
ARROWHEAD

**E-1.3**



**SPECIFICATIONS**

- A. GENERAL**
- PRIOR TO SUBMISSION OF BID, THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS.
  - 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.
  - BRING TO THE ATTENTION OF THE ARCHITECT ANY CONFLICTING INFORMATION, OR MISSING INFORMATION FROM THE DOCUMENTS PRIOR TO START OF CONSTRUCTION.
  - PROVIDE REQUIRED COOPERATION AND COORDINATION WITH OTHER TRADES TO MAXIMIZE CONSTRUCTION EFFICIENCY.
  - 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 OF THE WORK, TEST AND REGULATE ALL SYSTEMS TO THE INTENT OF THEIR DESIGN AND TO THE OWNER'S SATISFACTION.
  - 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.
  - 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.
  - SUBMITTAL:
    - SIX CATALOG CUTS FOR ALL MATERIALS AND EQUIPMENT.
    - FIRE ALARM: SHOP DRAWINGS AS REQUIRED BY FIRE MARSHALL
  - COORDINATE EXACT HVAC LOCATION AND VERIFY ELECTRICAL LOADS WITH THE MECHANICAL CONTRACTOR PRIOR TO INSTALLATION.
  - INSTALL ALL DEVICES AND EQUIPMENT PER MANUFACTURERS' RECOMMENDATIONS.
  - PROVIDE SUPPORTS, VIBRATION ISOLATION, AND SEISMIC BRACING.
  - 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.
  - THE TERM PROVIDE AS USED IN THESE DOCUMENTS IS DEFINED AS TO FURNISH AND INSTALL.

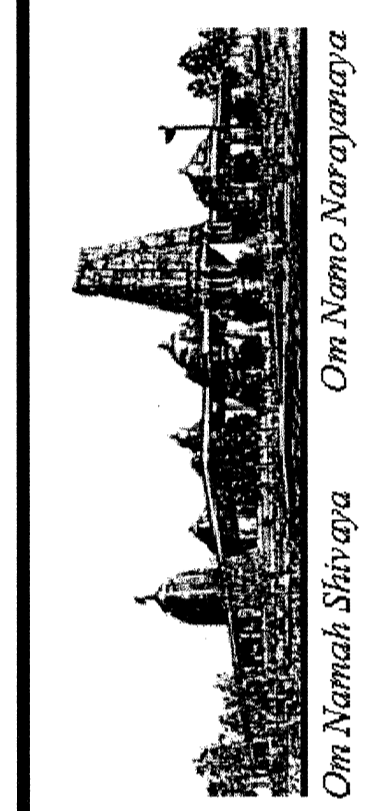
- B. MATERIAL AND METHODS**
- ALL EQUIPMENT SHALL BE LISTED BY AN ACCEPTED TESTING LABORATORY AND SHALL BE INSTALLED PER LISTING OR LABELING.
  - CONDUIT ROUTING SHOWN IS DIAGRAMMATIC. CONTRACTOR SHALL LAY OUT RUNS TO SUIT FIELD CONDITIONS AND THE COORDINATION REQUIREMENTS OF OTHER TRADES.
  - PROVIDE 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.
  - ALL WIRES SHALL BE COPPER #12 AWG MINIMUM.
  - 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.
  - 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**
- MAIN SWITCHBOARD - EXISTING
    - MANUFACTURERS: SQUARE D
    - MAIN BREAKERS: MOLDED CASE 65,000AIC MIN
    - BRANCH BREAKERS: 42,000AIC MIN
  - PANELBOARDS:
    - 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
  - CONDUITS:
    - 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.
  - CONDUCTORS: COPPER MINIMUM 75-DEG.C INSULATION (THW, THWN). MANUFACTURED BY ROME CABLE, GRAYBAR
  - METALLIC CLAD CABLE: ALUMINUM-CLAD, COPPER MINIMUM 75-DEG.C INSULATION (THW, THWN) MEETS UL STANDARD 1569 AND NEC 334. MANUFACTURED BY ALFLEX CORP.
  - 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 EQUAL.
    - WALL PLATES: LEVITON DECORA PLUS OR EQUAL.
    - SPECIALTY TYPE: NEMA CONFIGURATIONS AS SHOWN ON PLANS.
  - OCCUPANCY SENSOR:
    - WALL BI-LEVEL: WATTSTOPPER WI-300
    - CEILING: WATTSTOPPER A-1000/A-2000 WITH RELAY MODULE
  - LUMINAIRES: AS SCHEDULED

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