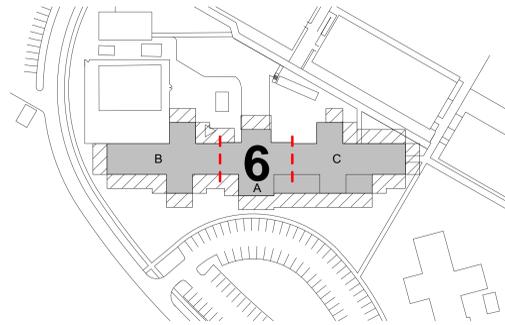




BUILDING INFORMATION	
<b>BUILDING INFORMATION:</b>	Business
OCCUPANCY:	Type II-B
CONSTRUCTION TYPE:	Yes
FIRE SPRINKLERS:	
<b>BUILDING AREAS</b>	
FIRST FLOOR:	29,859 SF
SECOND FLOOR:	25,271 SF
THIRD FLOOR:	25,270 SF
TOTAL:	80,400 SF
<b>ALLOWABLE AREAS:</b>	
IBC TABLE 503:	23,000 SF
FRONTAGE INCREASE:	133%
ALLOWABLE AREA, PER STORY:	30,590 SF
TOTAL ALLOWABLE AREA:	91,770 SF
<b>ALLOWABLE BUILDING HEIGHT:</b>	
OCCUPANCY:	Business
IBC TABLE 503:	3 STORIES (55 FEET)
ALLOWABLE HEIGHT:	55 FEET
EXISTING BUILDING HEIGHT:	41 FEET



PERIMETER OF BUILDING WITH NO LESS THAN 20 FEET OF FRONTAGE

**PER 2012 IBC, SECTION 506.2, EQUATION 5-2**

F = 982 feet  
P = 1312 feet  
W = 20 feet

Area increase due to frontage = 0.33

**PER 2012 IBC, TABLE 503**

CONSTRUCTION TYPE II-B  
Building area limitation per story = 23,000 SF  
Building area limitation per story including frontage increase = 30,590 SF

PLUMBING FIXTURE COUNT										
LEVEL	OCC LOAD	WATER CLOSETS			LAVATORY					
		1 PER 25 FOR FIRST 50 AND 1 PER 50 FOR REMAINDER EXCEEDING 50			1 PER 40 FOR FIRST 80 AND 1 PER 80 FOR THE REMAINDER EXCEEDING 80					
		# REQUIRED	# PROVIDED	UNISEX	# REQUIRED	# PROVIDED				
1, 2, 3	804	18	9	9	3	12	6	8	14	4

FOR PLAN VIEW, SEE A1.01A AND A1.02A

OCCUPANCY TABULATION SUMMARY (Administrative Expansion)				
Level	AREA *	Occupancy	Occupant AREA	O.L.
FIRST FLOOR	913	B	100 SF	10
	913			10

**GENERAL NOTES**

- DIMENSIONS OF EXISTING WORK ARE FROM FACE OF FINISH. DIMENSIONS OF NEW WORK ARE TO FACE OF STUD.
- BASEBOARD: REPLACE/PROVIDE NEW BASEBOARD AT NEW WALLS, AND AT NEW FLOORING.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS REQUIRED FROM REGULATING AGENCIES BEFORE STARTING ANY WORK.
- THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR THE WORKING CONDITIONS AT THE JOB SITE, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY. DO NOT SCALE THE DRAWINGS. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. IF ANY DISCREPANCIES OR OMISSIONS IN THE DIMENSIONS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE CONTRACTING OFFICER IMMEDIATELY. ANY WORK DONE WITHOUT PROPER NOTIFICATION BEING GIVEN TO THE CONTRACTING OFFICER IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR IS RESPONSIBLE FOR CHECKING FIELD CONDITIONS PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR SHALL REPORT ANY PROBLEMS TO THE VA COTR. CHANGES RESULTING FROM CONDITIONS ARISING IN THE FIELD WHICH ARE NOT BROUGHT TO THE ATTENTION OF THE VA COTR WILL NOT RESULT IN ANY ADDITIONAL COST TO THE CLIENT.
- THE GENERAL CONTRACTOR SHALL REVIEW ALL SUBMITTALS FROM SUBCONTRACTORS PRIOR TO SUBMITTING THEM TO ARCHITECT AND CONTRACTING OFFICER.
- THE CONTRACTOR SHALL MAINTAIN THE PREMISES IN A CLEAN AND ORDERLY MANNER. PATHS OF TRAVEL SHALL NOT BE BLOCKED. THE CONTRACTOR SHALL LEAVE AREA CLEAN AND FREE OF DEBRIS AT THE END OF EACH WORK DAY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL LEFT OVER MATERIALS, DEBRIS, TOOLS AND EQUIPMENT USED IN THE CONSTRUCTION AT THE END OF THE PROJECT.
- ANY DAMAGE DONE BY THE CONTRACTOR TO THE EXISTING BUILDING, EQUIPMENT, OR FURNISHINGS SHALL BE PATCHED TO MATCH UNDAMAGED EXISTING ADJACENT CONSTRUCTION OR REPAIRED TO ORIGINAL CONDITION AND FUNCTION PRIOR TO DAMAGE. ALL SUCH PATCHING AND REPAIR SHALL BE DONE AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR TO COORDINATE ALL WORK OF ALL TRADES AND WORKING TIME AND METHODS WITH THE V.A. TO INSURE MINIMUM DISTURBANCE TO THE BUILDING FUNCTIONS WILL OCCUR.
- OTHER AREAS OF BUILDING WILL REMAIN OCCUPIED DURING CONSTRUCTION. WORK MAY NEED TO BE PERFORMED OUTSIDE REGULAR BUSINESS HOURS IF DEEMED DISRUPTIVE BY THE PROJECT MANAGER. COSTS ASSOCIATED WITH THIS REQUIREMENT SHALL BE INCLUDED IN THE BASE BID AND WILL NOT BE BILLABLE SEPARATELY TO THE CLIENT. BIDDERS SHALL COORDINATE WITH ON-SITE CLIENT PROJECT MANAGER PRIOR TO BIDDING.

**APPLICABLE CODES & STANDARDS**

- ALL CONSTRUCTION WORK, ARCHITECTURAL, MECHANICAL, ELECTRICAL, FIRE PROTECTION, ETC. SHALL CONFORM TO THE MOST CURRENT ISSUE OF THE INTERNATIONAL BUILDING CODE, AND ANY APPLICABLE LOCAL, STATE AND FEDERAL CODES AND GUIDELINES.
- INTERNATIONAL BUILDING CODE (IBC)
  - UNIFORM FEDERAL ACCESSIBILITY STANDARDS (UFAS)
  - NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)
  - NFPA 1
  - NFPA 13
  - NFPA 98
  - NFPA 99
  - NFPA 101, 101A, & 101B LIFE SAFETY CODE
  - NATIONAL ELECTRIC CODE (NEC) NFPA 70
  - NATIONAL STANDARD PLUMBING CODE (NSPC)
  - ASME MECHANICAL CODES
  - ASHRAE STANDARD 62-2004
  - OSHA
  - VA BARRIER DESIGN GUIDE PG-18-03
  - VA DESIGN GUIDES, MASTER SPECIFICATION & TECHNICAL INFORMATION AVAILABLE ON THE VA TECHNICAL INFORMATION (TIL) WEBSITE [www.cfm.va.gov/til/](http://www.cfm.va.gov/til/)
  - HEALTH INSURANCE PORTABILITY AND ACCOUNTABILITY ACT OF 1996 (HIPAA)
  - FACILITY GUIDELINES INSTITUTE (FGI) GUIDELINES FOR DESIGN AND CONSTRUCTION OF HEALTH CARE FACILITY

**PROJECT DESCRIPTION**

THIS PROJECT IS THE FIRST OF TWO PROJECTS INTENDED FOR VA PALO ALTO BUILDING 6 "C" WING. THIS PROJECT ADDS NEW ADMINISTRATIVE OFFICE SPACE FOR THE FACILITIES PLANNING DEPARTMENT. THE SUBSEQUENT PROJECT WILL RENOVATE THE INTERIOR OF THE EXISTING BUILDING FOR LAB SPACE, AND ADD ANOTHER EXPANSION THAT WILL TIE IN STRUCTURALLY WITH THIS PROJECT.

AREA OF WORK:  
1,000 SF ADDITION

**SYMBOLS**

	DEMOLISHED WALL		DETAIL
	EXISTING WALL		REFERENCE DRAWING NUMBER
	NEW NON-RATED WALL		ELEVATION INDICATOR, EXTERIOR
	NEW 1 HOUR FIRE RATED ASSEMBLY		EXTERIOR ELEVATION IDENTIFICATION
	BOUNDARY OF WORK		REFERENCE DRAWING NUMBER
	DIMENSIONS FROM FACE OF FINISH TO FACE OF STUD WHERE NOTED		ELEVATION INDICATOR, INTERIOR
	CENTERLINE OF COLUMN OR STUD, ETC.		INTERIOR ELEVATION IDENTIFICATION
	AREAS OF NO WORK		REFERENCE DRAWING NUMBER
	ROOM NAME ROOM NUMBER		BUILDING SECTION INDICATOR
	GRAPHIC SCALE		SECTION IDENTIFICATION
	DOOR SYMBOL		NORTH ARROW
	WINDOW TAG		CONCRETE
	WORK POINT OR CONTROL POINT		EARTH
	REVISION (AREA OF REVISION IN CLOUD)		GRAVEL
	WALL OR PARTITION TYPE		STAINLESS STEEL
	SIGNAGE		WOOD
	DOOR		GYP. BOARD
	EQUIPMENT TAG		CERAMIC TILE (ELEVATION)
			CERAMIC TILE (SECTION)
			COUNTER TOP MATERIAL
			BATT INSULATION
			RIGID INSULATION
			LEVEL 3 BALLISTIC FIBERGLASS

**DRAWING INDEX**

<b>GENERAL (ADMIN)</b>	<b>FIRE PROTECTION (ADMIN)</b>
.G0.00A COVER SHEET	FP0.10A SITE PLAN
.G0.01A TITLE SHEET	FP1.11A PIPING PLAN
	FP1.31A REFLECTED CEILING PLAN
	FP9.10A NOTES & DETAILS
<b>ARCHITECTURAL (ADMIN)</b>	<b>TELECOMMUNICATIONS (ADMIN)</b>
A0.01A ABBREVIATIONS	T0.00A TECHNOLOGY COVER SHEET
A0.02A ACCESSIBILITY REQUIREMENTS	T1.00A TECHNOLOGY OVERALL FLOOR PLAN
A0.03A EGRESS DIAGRAM	T1.11A TECHNOLOGY FIRST FLOOR PLAN
A1.00A SITE PLAN	T2.11A TECHNOLOGY FIRST FLOOR CEILING PLAN
A1.01A OVERALL BUILDING PLANS	T5.01A TECHNOLOGY DETAILS
A1.02A OVERALL BUILDING PLANS	T6.01A CONDUIT RISER DIAGRAM
A1.21A FIRST FLOOR DEMOLITION PLAN	T6.02A COPPER SINGLE LINE DIAGRAM
A1.31A FIRST FLOOR DEMOLITION CEILING PLAN	
A2.11A FIRST FLOOR PLAN	
A2.20A ROOF PLAN	
A2.21A FIRST FLOOR REFLECTED CEILING PLAN	
A3.10A EXTERIOR ELEVATIONS	
A3.20A BUILDING SECTIONS & WALL SECTIONS	
A5.10A INTERIOR ELEVATIONS	
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A9.60A SIGNAGE TYPE DETAILS	
<b>STRUCTURAL (ADMIN)</b>	
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S1.02A TYPICAL DETAILS	
S1.03A INT MTL STUD DETAILS	
S1.04A EXT MTL STUD DETAILS	
S2.01A PARTIAL FOUNDATION PLAN	
S2.02A PARTIAL ROOF FRAMING PLAN	
S3.01A SECTIONS AND DETAILS	
S5.01A STEEL DETAILS	
SE505A ELECTRICAL DETAILS	
SM507A MECHANICAL DETAILS	
<b>MECHANICAL (ADMIN)</b>	
M001A SYMBOLS, NOTES AND ABBREVIATIONS	
M002A MECHANICAL SCHEDULES	
M101A MECHANICAL ADMIN FIRST FLOOR PLAN	
M102A MECHANICAL ADMIN ROOF PLAN	
M501A MECHANICAL DETAILS	
M502A MECHANICAL DETAILS	
C701A MECHANICAL CONTROL DIAGRAMS	
<b>PLUMBING (ADMIN)</b>	
P001A PLUMBING SYMBOLS, ABBREVIATIONS, NOTES AND SHEET INDEX	
P101A FIRST FLOOR PLUMBING PLAN, ROOF PLAN	
P501A PLUMBING DETAILS	
<b>ELECTRICAL (ADMIN)</b>	
E001A SYMBOLS, NOTES AND ABBREVIATIONS	
ELD101A ADMIN LIGHTING DEMOLITION PLAN - 1ST FLOOR	
EL101A ADMIN LIGHTING PLAN - 1ST FLOOR	
EP101A ADMIN POWER PLAN - 1ST FLOOR	
EP102A ADMIN POWER PLAN - ROOF	
E501A ELECTRICAL DETAILS	
E601A PANEL SCHEDULES	
E701A SINGLE LINE DIAGRAM	

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TITLE SHEET

Project Title  
**VA PALO ALTO BLDG 6  
ADMINISTRATIVE  
EXPANSION**

Project Number  
640-13-121P

Building Number  
6

Drawing Number  
.G0.01A

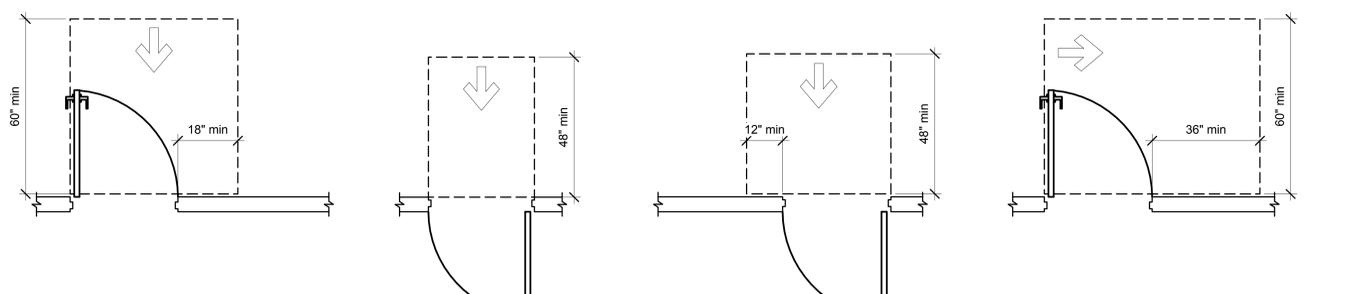
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Office of  
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and Facilities  
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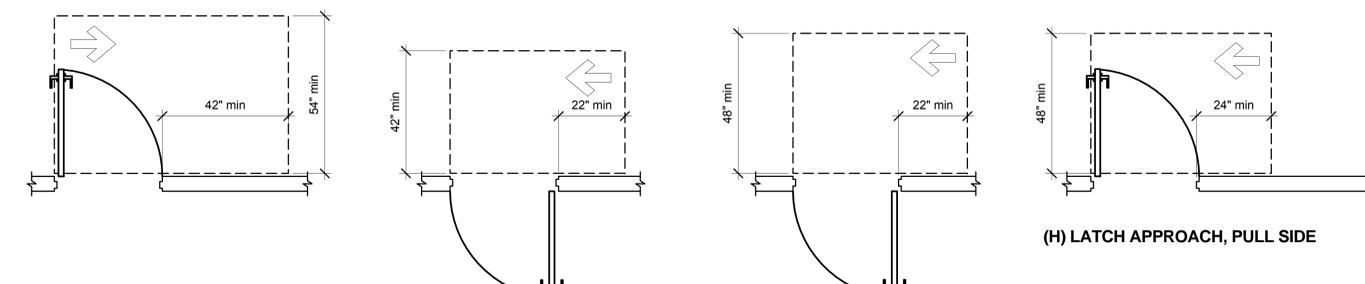


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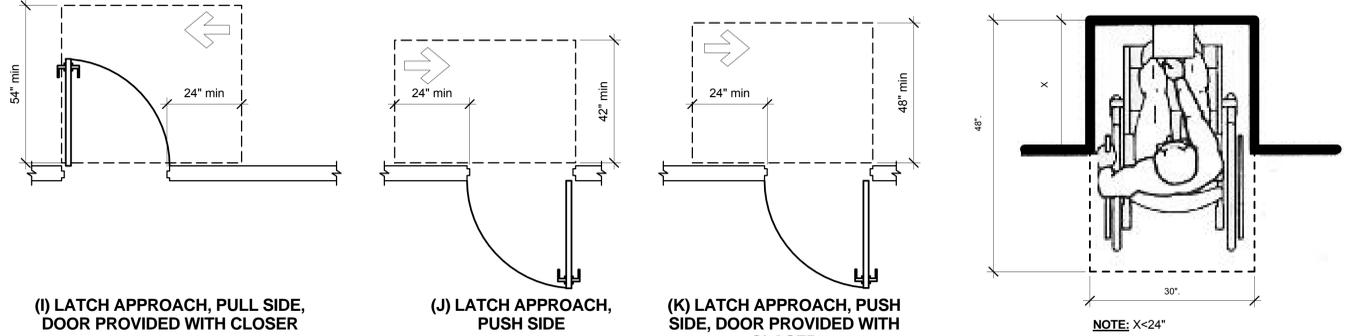




(A) FRONT APPROACH, PULL SIDE (B) FRONT APPROACH, PUSH SIDE (C) FRONT APPROACH, PUSH SIDE, DOOR PROVIDED WITH BOTH CLOSER AND LATCH (D) HINGE APPROACH, PULL SIDE

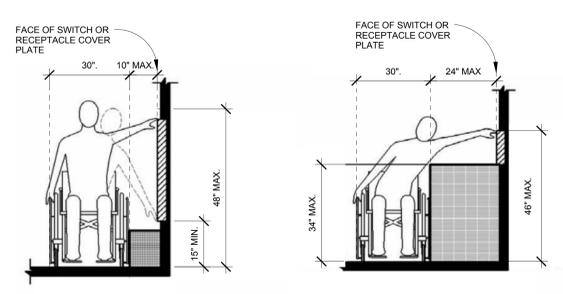


(E) HINGE APPROACH, PULL SIDE (F) HINGE APPROACH, PUSH SIDE (G) HINGE APPROACH, PUSH SIDE, DOOR PROVIDED WITH BOTH CLOSER AND LATCH (H) LATCH APPROACH, PULL SIDE



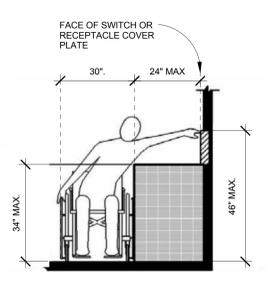
(I) LATCH APPROACH, PULL SIDE, DOOR PROVIDED WITH CLOSER (J) LATCH APPROACH, PUSH SIDE (K) LATCH APPROACH, PUSH SIDE, DOOR PROVIDED WITH CLOSER

**30** MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS & GATES



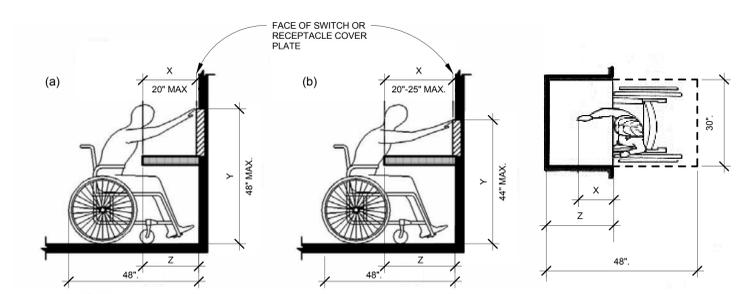
**15** HIGH AND LOW - SIDE REACH LIMITS

NOTE: THE 30" BY 48" WHEELCHAIR CLEAR FLOOR SPACE IS LOCATED A MAX 10" FROM THE WALL



**16** MAXIMUM SIDE REACH OVER OBSTRUCTION

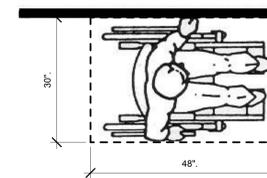
NOTE: IF THE DEPTH OF THE OBSTRUCTION IS 24" AND THE MAXIMUM HEIGHT OF THE OBSTRUCTION IS 34", THE MAXIMUM HIGH SIDE REACH OVER THE OBSTRUCTION IS 46"



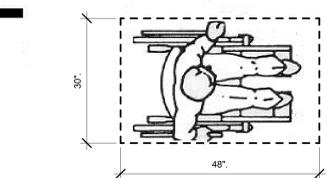
**17** MAXIMUM FORWARD REACH OVER OBSTRUCTION

NOTE: X SHALL BE ≤ 25"; Z SHALL BE > X, WHEN X < 20", THEN Y SHALL BE 48" MAXIMUM. WHEN X IS 20 TO 25", THEN Y SHALL BE 44" MAXIMUM.

THE MAXIMUM LEVEL FORWARD REACH OVER AN OBSTRUCTION WITH KNEE SPACE BELOW IS 25". WHEN THE OBSTRUCTION IS LESS THAN 20" DEEP, THE MAXIMUM HIGH FORWARD REACH IS 48". WHEN THE OBSTRUCTION PROJECTS 20 TO 25", THE MAXIMUM HIGH FORWARD REACH IS 44"

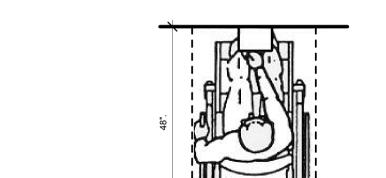


**26** PARALLEL APPROACH



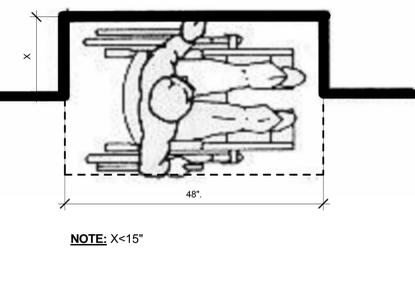
**27** CLEAR FLOOR SPACE

NOTE: CLEAR FLOOR SPACE SHOWN TO BE 30 BY 48 INCHES MINIMUM.



**28** FORWARD APPROACH

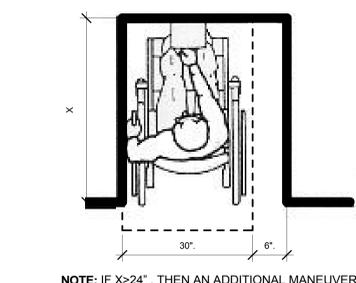
NOTE: IF X < 15", THEN AN ADDITIONAL MANEUVERING CLEARANCE OF 13" PROVIDED AS SHOWN.



**34** CLEAR ALCOVE APPROACH

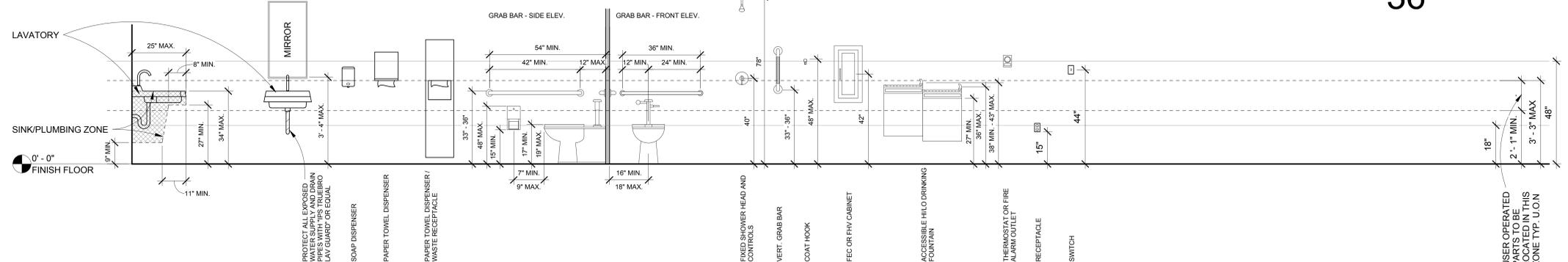
NOTE: X < 24"

NOTE: FOR A FRONT APPROACH, WHERE THE DEPTH OF THE ALCOVE IS EQUAL TO OR LESS THAN 24", THE REQUIRED CLEAR FLOOR SPACE IS 30" BY 48". FOR A SIDE APPROACH, WHERE THE DEPTH OF THE ALCOVE IS EQUAL TO OR LESS THAN 15", THE REQUIRED CLEAR FLOOR SPACE IS 30" BY 48".

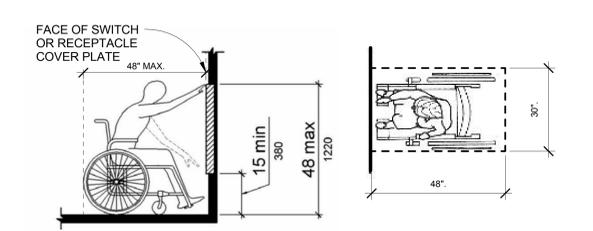


**36** ADDITIONAL MANEUVERING CLEARANCE FOR ALCOVES

NOTE: FOR A FRONT APPROACH, IF THE DEPTH OF THE ALCOVE IS GREATER THAN 24", THEN IN ADDITION TO THE 30" WIDTH, A MANEUVERING CLEARANCE OF 6" IN WIDTH IS REQUIRED. FOR A SIDE APPROACH, WHERE THE DEPTH OF THE ALCOVE IS GREATER THAN 15" THEN IN ADDITION TO THE 48" LENGTH, AN ADDITIONAL MANEUVERING CLEARANCE OF 12" LENGTH IS REQUIRED.



**50** FIXTURE / ACCESSORY MOUNTING HEIGHTS



**57** HEIGHT FORWARD REACH LIMIT

NOTE: FORWARD REACH RANGE SHOWN IN PROFILE AND PLAN VIEW TO BE 48 INCHES MAXIMUM AND 15 INCHES MINIMUM.

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Revisions:	Date

CONSULTANTS:

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Drawing Title	ACCESSIBILITY REQUIREMENTS
Approved: Project Director	

Project Title	VA PALO ALTO BLDG 6 ADMINISTRATIVE EXPANSION
Location	VAPAHCS, PALO ALTO CAMPUS 3801 MIRANDA AVE. PALO ALTO, CA 94304
Date	04.17.2014
Checked	M.H.
Drawn	J.P.
Project Number	640-13-121P
Building Number	6
Drawing Number	AO.02A
Dwg. of	

Office of Construction and Facilities Management

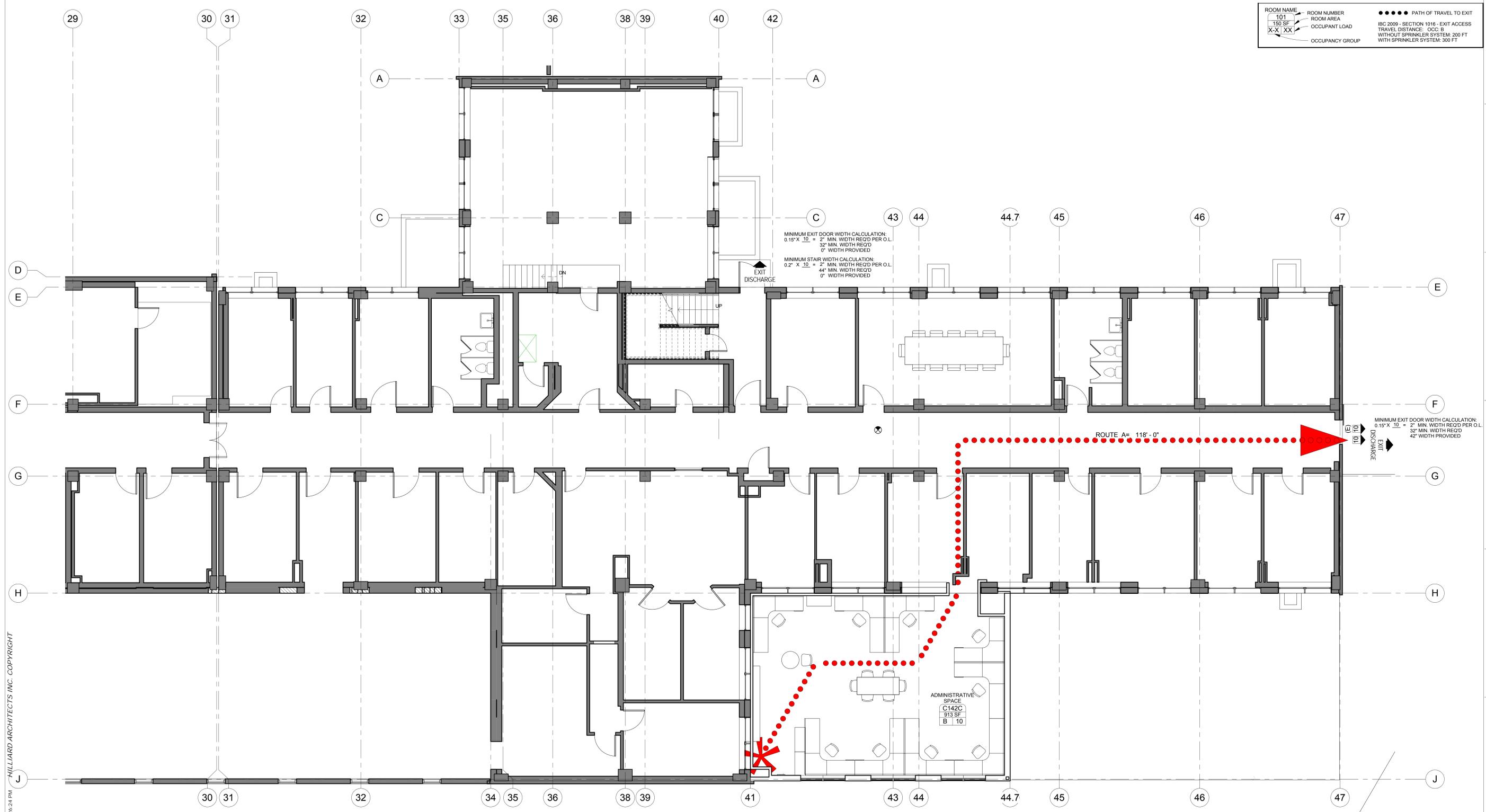
Department of Veterans Affairs

OCCUPANCY PER NFPA TABLE 7.3.1.2 - ADMIN LEVEL 1					
ROOM NUMBER	ROOM NAME	OCCUPANCY TYPE	AREA	O.L.F.	O.L.
FIRST FLOOR					
C142C	ADMINISTRATIVE SPACE	BUSINESS	913 SF	100 SF	10
Grand total:			913 SF		10

ROOM NAME: 101  
 ROOM AREA: 150 SF  
 OCCUPANT LOAD: X-X XX  
 OCCUPANCY GROUP: X

●●●●● PATH OF TRAVEL TO EXIT

IBC 2009 - SECTION 1016 - EXIT ACCESS  
 TRAVEL DISTANCE: OCC. B  
 WITHOUT SPRINKLER SYSTEM: 200 FT  
 WITH SPRINKLER SYSTEM: 300 FT



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1 FIRST FLOOR - EGRESS DIAGRAM



FINAL BID DOCUMENTS

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		Approved: Project Director	Location VAPAHCS, PALO ALTO CAMPUS 3801 MIRANDA AVE., PALO ALTO, CA 94304	Building Number 6	
Revisions:  	Date	Date 04.17.2014	Checked M.H.	Drawn Author	Dwg. of

**ME BUILDING**

**BUILDING MB-2**

**BUILDING MB-1**

**BUILDING 6**

**BUILDING T6A**

**PARKING LOT M**

**BUILDING 5**

**1 SITE PLAN**

- NOTES:**
- CAP (E) IRRIGATION LINES, REMOVE SPRINKLER HEADS, PROVIDE BY-PASS LINES IF NECESSARY TO RECONNECT SUPPLY TO SPRINKLER HEADS OUTSIDE OF SCOPE OF WORK.
  - REPLACE AND REPAIR LANDSCAPING IN AREAS DAMAGED DURING CONSTRUCTION.

REMOVE (E) HOSE BIBB, CAP LINE  
REMOVE (E) GRATE & CONC. CURB  
REMOVE (E) SHRUBS & TOPSOIL, FILL & PREP FOR (N) FLOOR SLAB

AREA OF WORK

LIMIT OF CONSTRUCTION FENCE

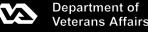
(E) SIDEWALK

MAIN ENTRY, BUILDING 6



**FINAL BID DOCUMENTS**

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		Approved: Project Director	Location VAPAHCS, PALO ALTO CAMPUS 3801 MIRANDA AVE., PALO ALTO, CA 94304	Building Number 6		Drawing Number A1.00A
Revisions: _____ Date _____			Date 04.17.2014	Checked M.H.	Drawn M.U.	Dwg. of _____

VA FORM 08-6231



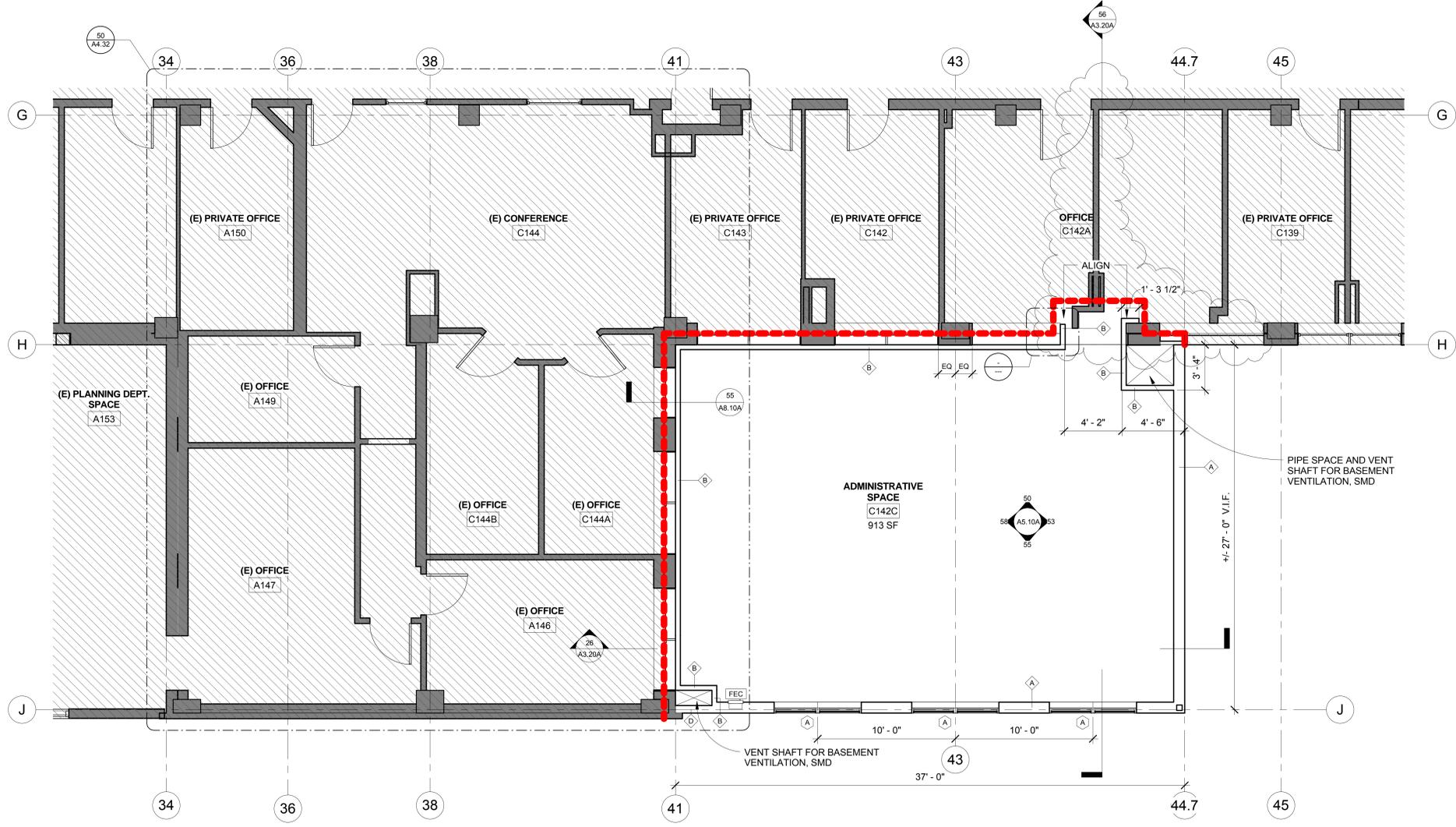






GENERAL NOTES:

- FOR WALL TYPES & PARTITION SCHEDULE, SEE A9.30A.



1 FIRST FLOOR PLAN

**LEGEND**

- AREA OF NO WORK
- FIRE EXTINGUISHER CABINET
- BOUNDARY OF WORK



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Revision	Date
Revision 1	05.02.2014
Revisions:	Date

CONSULTANTS:

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Drawing Title  
**FIRST FLOOR PLAN**

Approved: Project Director

Project Title <b>VA PALO ALTO BLDG 6 ADMINISTRATIVE EXPANSION</b>			Project Number 640-13-121P
Location VAPAHCs, PALO ALTO CAMPUS 3801 MIRANDA AVE, PALO ALTO, CA 94304			Building Number 6
Date 04.17.2014	Checked M.H.	Drawn J.P.	Drawing Number <b>A2.11A</b>
Dwg. of			

Office of  
Construction  
and Facilities  
Management

Department of  
Veterans Affairs

FINAL BID DOCUMENTS

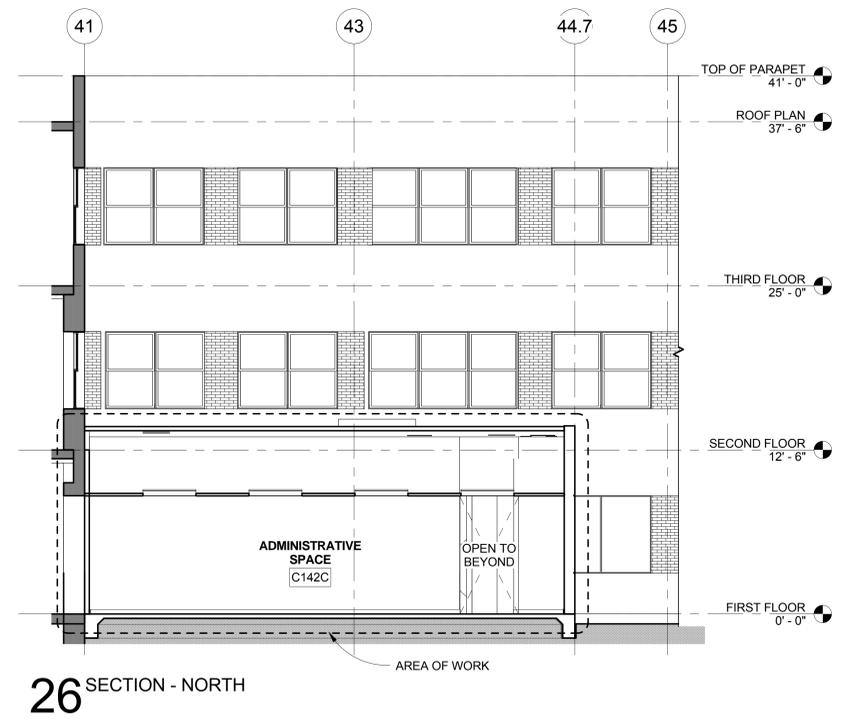




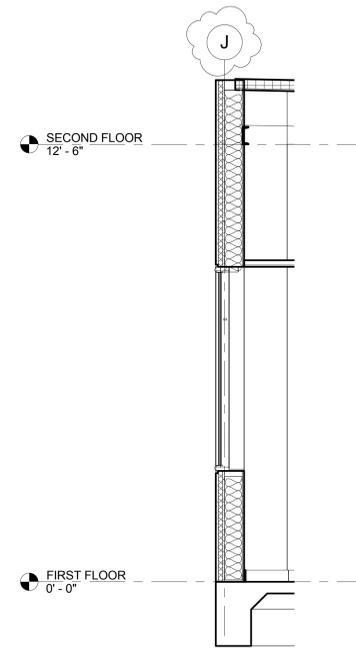


three eighths inch = one foot  
 one and one half inches = one foot  
 one inch = one foot  
 three quarters inch = one foot  
 one half inch = one foot  
 one quarter inch = one foot  
 one eighth inch = one foot

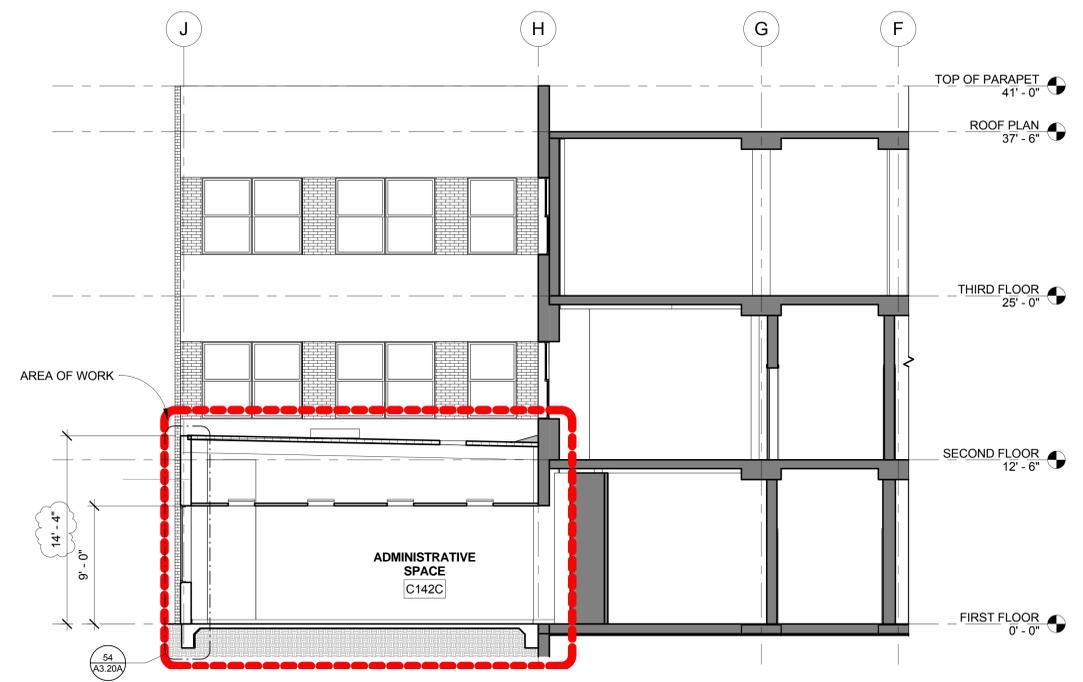
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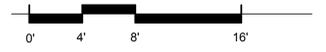
26 SECTION - NORTH



54 WALL SECTION @ ADMIN SPACE



56 SECTION - WEST



FINAL BID DOCUMENTS

Revision	Date
Revision 1	05.02.2014
Revisions:	Date

CONSULTANTS:

ARCHITECT/ENGINEERS:



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Drawing Title  
**BUILDING SECTIONS & WALL SECTIONS**

Approved: Project Director

Project Title  
**VA PALO ALTO BLDG 6 ADMINISTRATIVE EXPANSION**

Location  
 VAPAHCS, PALO ALTO CAMPUS  
 3801 MIRANDA AVE., PALO ALTO, CA 94304

Date  
 04.17.2014

Checked  
 M.H.

Drawn  
 Author

Project Number  
 640-13-121P

Building Number  
 6

Drawing Number  
**A3.20A**

Dwg. of

Office of Construction and Facilities Management



Department of Veterans Affairs

A

B

C

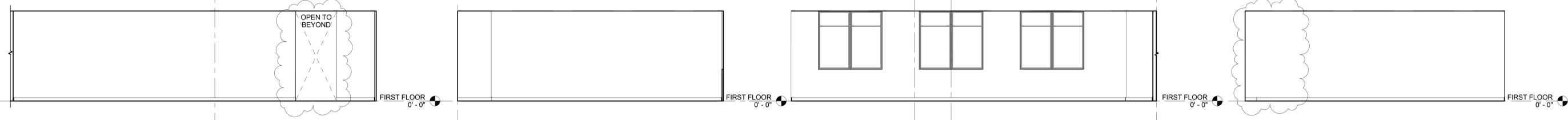
D

E

F

three inches = one foot  
 one and one half inches = one foot  
 one inch = one foot  
 three quarters inch = one foot  
 one half inch = one foot  
 three eighths inch = one foot  
 one quarter inch = one foot  
 one eighth inch = one foot

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**50** ADMIN SPACE C142 - SOUTH ELEV

**53** ADMIN SPACE C142 - WEST ELEV

**55** ADMIN SPACE C142 - NORTH ELEV

**58** ADMIN SPACE C142 - EAST ELEV



FINAL BID DOCUMENTS

Revision 1	05.02.2014
Revisions:	Date

CONSULTANTS:

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 www.HilliardArchitects.com

Drawing Title  
**INTERIOR ELEVATIONS**  
 Approved: Project Director

Project Title <b>VA PALO ALTO BLDG 6 ADMINISTRATIVE EXPANSION</b>			Project Number 640-13-121P
Location VAPAHCS, PALO ALTO CAMPUS 3801 MIRANDA AVE., PALO ALTO, CA 94304			Building Number 6
Date 04.17.2014	Checked M.H.	Drawn Author	Drawing Number <b>A5.10A</b>
			Dwg. of

Office of Construction and Facilities Management  
 Department of Veterans Affairs



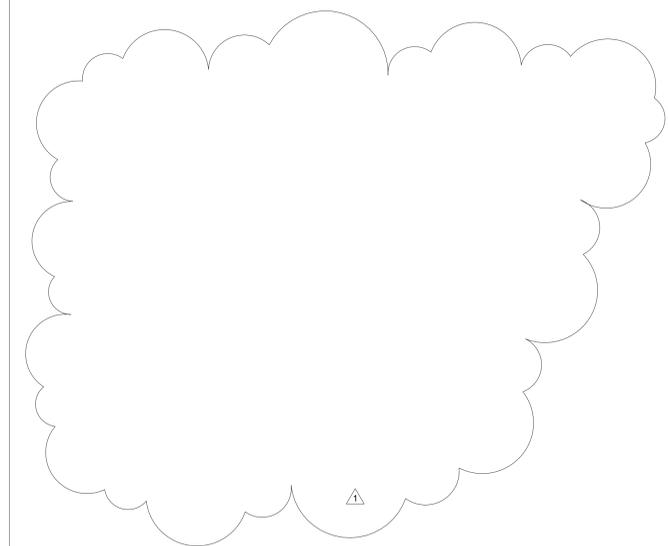
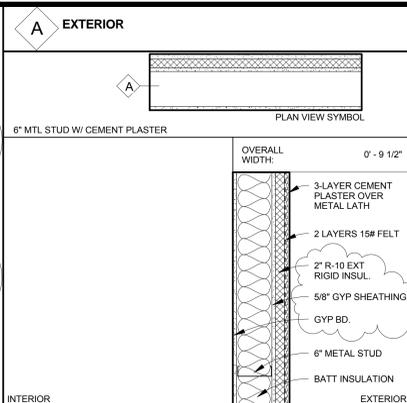
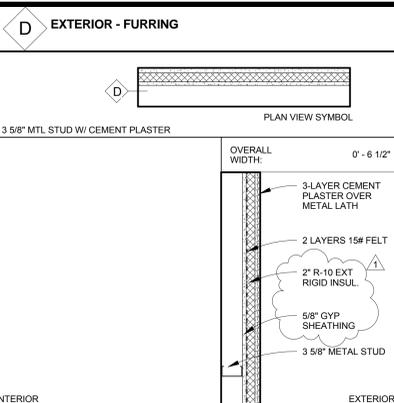
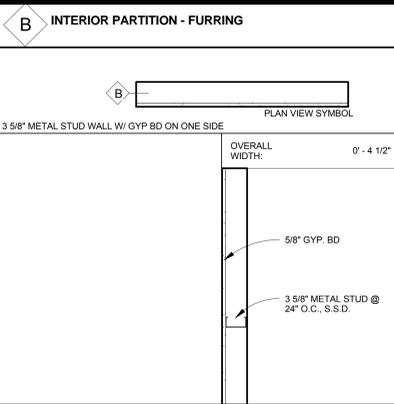


# NON-RATED

# ONE HOUR

INTERIOR WALLS

EXTERIOR WALLS



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FINAL BID DOCUMENTS

Revision 1	05.02.2014
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Drawing Title  
**WALL SCHEDULE & DETAILS**

Approved: Project Director

Project Title <b>VA PALO ALTO BLDG 6 ADMINISTRATIVE EXPANSION</b>			Project Number 640-13-121P
Location VAPAHCs, PALO ALTO CAMPUS 3801 MIRANDA AVE., PALO ALTO, CA 94304			Building Number 6
Date 04.17.2014	Checked M.H.	Drawn	Drawing Number <b>A9.30A</b>
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Management

Department of  
Veterans Affairs

# 01 SUSPENDED CEILING NOTES

- #12 GA (MIN.) HANGER WIRES MAY BE USED FOR UP TO AND INCLUDING 4'-0" X 4'-0" GRID SPACING ALONG MAIN RUNNERS. SPLICES ARE NOT PERMITTED IN ANY HANGER WIRES.
- PERIMETER HANGERS. THE TERMINAL ENDS OF EACH CROSS RUNNER AND MAIN RUNNER SHALL BE SUPPORTED INDEPENDANTLY A MAXIMUM OF 8 INCHES FROM EACH WALL OR CEILING DISCONTINUITY WITH #12 GA WIRE OR APPROVED WALL SUPPORT.
- PROVIDE TRAPEZE OR OTHER SUPPLEMENTARY SUPPORT MEMBERS AT OBSTRUCTIONS TO MAINTAIN HANGER SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS OR DISCONTINUOUS AREAS. HANGER WIRES THAT ARE MORE THAN 10' (1 IN 6) OUT OF PLUMB ARE TO HAVE COUNTER-SLOPING WIRES.
- CEILING GRID MEMBERS MAY BE ATTACHED TO NOT MORE THAN 2 ADJACENT WALLS. CEILING GRID MEMBERS SHOULD BE AT LEAST 1/2" CLEAR OF OTHER WALLS. IF WALLS RUN DIAGONALLY TO CEILING GRID SYSTEM RUNNERS, ONE END OF MAIN AND CROSS-RUNNERS SHOULD BE FREE WITH A MINIMUM OF 1/2" CLEAR AT WALLS.
- AT THE PERIMETER OF THE CEILING AREA WHERE MAIN OR CROSS RUNNERS ARE NOT CONNECTED TO THE ADJACENT WALL, PROVIDE INTERCONNECTION BETWEEN THE RUNNERS AT THE FREE END TO PREVENT LATERAL SPREADING. A METAL STRUT OR A 16 GA WIRE WITH A POSITIVE MECHANICAL CONNECTION TO THE RUNNER MAY BE USED, WHERE THE PERPENDICULAR DISTANCE FROM THE WALL TO THE FIRST PARALLEL RUNNER IS 12" OR LESS. THIS INTERLOCK IS NOT REQUIRED.
- PROVIDE SETS OF FOUR (4) #10 GA SPLAYED BRACING WIRES ORIENTED 90° FROM EACH OTHER AT NOT MORE THAN 8'-0" BY 12'-0" O.C. PROVIDE BRACING WIRES AT LOCATIONS NOT MORE THAN 1/2 OF THIS SPACING FROM EACH PERIMETER WALL AND AT THE EDGE OF VERTICAL CEILING OFFSETS. THE SLOPE OF THESE WIRES SHALL NOT EXCEED 45° FROM A HORIZONTAL PLANE AND SHALL BE TAUT WITHOUT CAUSING THE STRUCTURE TO LIFT. COMPRESSION STRUTS ATTACHED TO THE CEILING AND THE STRUCTURE SHALL BE PROVIDED AT BRACING POINTS. DO NOT SPLICE BRACING WIRES.

NOTE: ROOMS WITH A CEILING AREA LESS THAN 96 S.F. AND SURROUNDED BY WALLS WHICH CONNECT DIRECTLY TO THE STRUCTURE ABOVE DO NOT REQUIRE BRACING WIRES WITH COMPRESSION STRUTS WHEN ATTACHED TO TWO ADJACENT WALLS.

- FASTEN HANGER WIRES WITH NOT LESS THAN 3 TIGHT TURNS. FASTEN BRACING WIRES WITH 4 TIGHT TURNS. MAKE ALL TIGHT TURNS WITHIN A DISTANCE OF 1-1/2 INCHES. HANGER OR BRACING WIRE ANCHORS TO THE STRUCTURE SHOULD BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE ANCHOR ALIGNS AS CLOSELY AS POSSIBLE WITH THE DIRECTION OF THE WIRE.

NOTE: WIRE TURNS MADE BY MACHINE WHERE BOTH STRANDS HAVE BEEN DEFORMED OR BENT IN WRAPPING CAN WAIVE THE 1-1/2" REQUIREMENT, BUT THE NUMBER OF TURNS SHALL BE MAINTAINED, AND BE AS TIGHT AS POSSIBLE.

- SEPARATE ALL CEILING HANGING AND BRACING WIRES AT LEAST 6 INCHES FROM ALL UNBRACED DUCTS, PIPES, CONDUIT, ETC. IT IS ACCEPTABLE TO ATTACH LIGHTWEIGHT ITEMS, SUCH AS SINGLE ELECTRICAL CONDUIT NOT EXCEEDING 3/4" NOMINAL DIAMETER, TO HANGER WIRES USING ACCEPTABLE CONNECTORS.

- WHEN DRILLED-IN CONCRETE ANCHORS OR SHOT-IN ANCHORS ARE USED IN REINFORCED CONCRETE INCLUDING CONCRETE FILLED METAL DECKING FOR HANGER WIRES, 1 OUT OF 10 MUST BE FIELD TESTED FOR 200 POUNDS OF TENSION. WHEN DRILLED-IN CONCRETE ANCHORS ARE USED FOR BRACING WIRES, 1 OUT OF 2 MUST BE FIELD TESTED FOR 440 POUNDS OF TENSION. AS AN OPTION, DRILLED ANCHORS MAY BE TORQUE TESTED PER WEDGE ANCHOR IN CONCRETE DETAIL 27 (THIS SHEET).
- SHOT-IN ANCHORS IN CONCRETE ARE NOT PERMITTED FOR BRACING WIRES. IF ANY SHOT-IN OR DRILLED-IN ANCHOR FAILS, SEE SECTION 1925B.3.5, TITLE 24, CCR.

NOTE: DRILLED-IN OR SHOT-IN ANCHORS REQUIRE APPROVAL OF ENGINEER OF RECORD WHEN USED IN PRE-STRESSED CONCRETE.

- ATTACH ALL LIGHT FIXTURES AND CEILING MOUNTED AIR TERMINALS OR SERVICES TO THE CEILING GRID MAIN RUNNERS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE FIXTURES. SCREWS OR APPROVED FASTENERS ARE REQUIRED.

- FLUSH OR RECESSED LIGHT FIXTURES AND AIR TERMINALS OR SERVICES WEIGHING LESS THAN 56 POUNDS MAY BE SUPPORTED DIRECTLY ON THE RUNNERS OF A HEAVY DUTY GRID SYSTEM BUT, IN ADDITION, THEY MUST HAVE A MINIMUM OF ONE #12 GA SLACK SAFETY WIRES ATTACHED TO THE FIXTURE AT EACH CORNER AND ANCHORED TO THE STRUCTURE ABOVE.

- ALL FIXTURES AND AIR TERMINALS OR SERVICES WEIGHING 56 LBS. OR MORE MUST BE INDEPENDANTLY SUPPORTED BY NOT LESS THAN FOUR (4) TAUT # 12 GA WIRES, ATTACHED TO THE HOUSING AND TO THE STRUCTURE ABOVE. THE FOUR (4) TAUT # 12 GA WIRES, INCLUDING THEIR ATTACHMENT TO THE STRUCTURE ABOVE, MUST BE CAPABLE OF SUPPORTING FOUR (4) TIMES THE WEIGHT OF THE UNIT.

- CEILING SUSPENSION SYSTEM SHALL BE HEAVY DUTY. EXCEPT AS OTHERWISE SPECIFIED, USE SAME CONSTRUCTION FOR CROSS RUNNERS AS MAIN RUNNERS. PREVENT DEFLECTION IN EXCESS OF 1/360 OF SPAN OF CROSS RUNNER AND MAIN RUNNER. SPLICES OR INTERSECTIONS OF CROSS RUNNERS SHALL BE ATTACHED WITH THROUGH CONNECTORS SUCH AS POP RIVETS, SCREWS, PINS, PLATES WITH END TABS OR OTHER APPROVED CONNECTORS. SUCH THROUGH CONNECTORS SHALL BE CAPABLE OF TRANSFERRING A MEAN ULTIMATE TENSILE/ COMPRESSION FORCE OF 180 POUNDS.

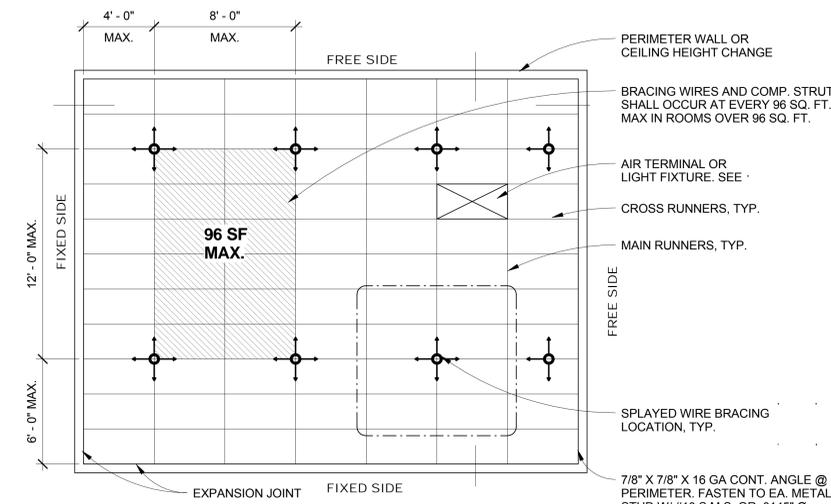
- SUPPORT SURFACE MOUNTED LIGHT FIXTURES BY AT LEAST TWO POSITIVE DEVICES WHICH SURROUND THE CEILING RUNNER AND WHICH ARE EACH SUPPORTED FROM THE STRUCTURE ABOVE BY A #12 GA WIRE. SPRING CLIPS OR CLAMPS THAT CONNECT TO THE RUNNER ARE NOT ACCEPTABLE. PROVIDE ADDITIONAL SUPPORTS WHEN LIGHT FIXTURES ARE 8 FT. OR LONGER. MAXIMUM SPACING BETWEEN SUPPORTS SHALL NOT EXCEED 8 FEET.

- SUPPORT PENDANT-MOUNTED LIGHT FIXTURES DIRECTLY FROM THE STRUCTURE ABOVE WITH HANGER WIRES OR CABLES PASSING THROUGH EACH PENDANT HANGER AND CAPABLE OF SUPPORTING FOUR (4) TIMES THE WEIGHT OF THE FIXTURE. A BRACING ASSEMBLY IS REQUIRED WHERE THE PENDANT HANGER PENETRATES THE CEILING. SPECIAL DETAILS ARE REQUIRED TO ATTACH THE PENDANT HANGER TO THE BRACING ASSEMBLY TO TRANSMIT HORIZONTAL FORCE. IF THE PENDANT MOUNTED LIGHT FIXTURE IS DIRECTLY AND INDEPENDENTLY BRACED BELOW THE CEILING, I.E. AIRCRAFT CABLES TO WALLS, THEN BRACE ASSEMBLY IS NOT REQUIRED ABOVE THE CEILING.

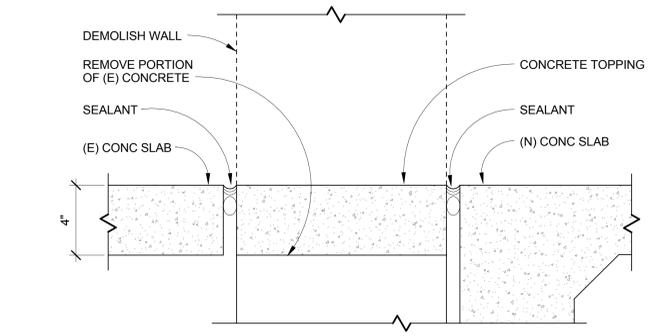
- EXPANSION JOINTS SHALL BE PROVIDED IN THE CEILING AT INTERSECTIONS OF CORRIDORS AND AT JUNCTIONS OF CORRIDORS WITH LOBBIES OR OTHER SIMILAR AREAS.

- FOR CEILING AREAS EXCEEDING 2500 SQUARE FEET, A SEISMIC SEPARATION JOINT SHALL BE PROVIDED TO DIVIDE THE CEILING INTO AREAS NOT EXCEEDING 2500 SQUARE FEET.

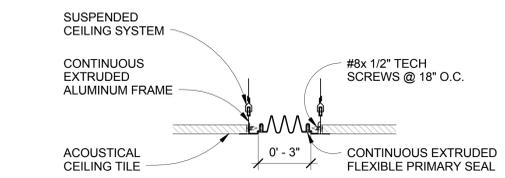
- PENETRATIONS THROUGH THE CEILING FOR SPRINKLER HEADS AND OTHER SIMILAR DEVICES THAT ARE NOT INTEGRALLY TIED TO THE CEILING SYSTEM IN THE LATERAL DIRECTION SHALL HAVE A TWO (2) INCH OVERSIZED RING, SLEEVE OR ADAPTER THROUGH THE CEILING TILE TO ALLOW FREE MOVEMENT OF ONE (1) INCH IN ALL HORIZONTAL DIRECTIONS. ALTERNATIVELY, PER ASTM E680 SECTION 5.2.8.8, A FLEXIBLE SPRINKLER HOSE FITTING THAT CAN ACCOMMODATE 1 INCH OF CEILING MOVEMENT SHALL BE PERMITTED TO BE USED IN LIEU OF THE OVERSIZED RING, SLEEVE OR ADAPTER.



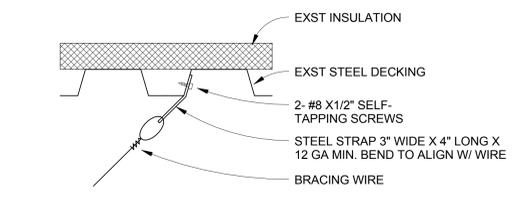
22 SUSPENDED ACOUSTICAL CEILING - TYPICAL LAYOUT



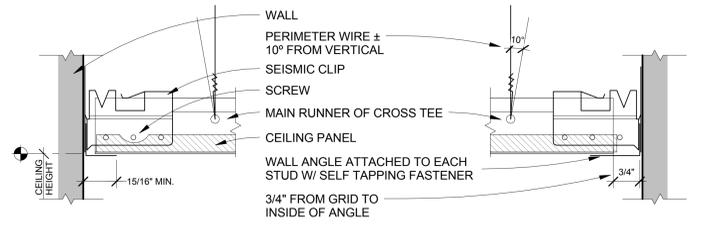
32 TOPPING DETAIL @ ENTRY/HALLWAY



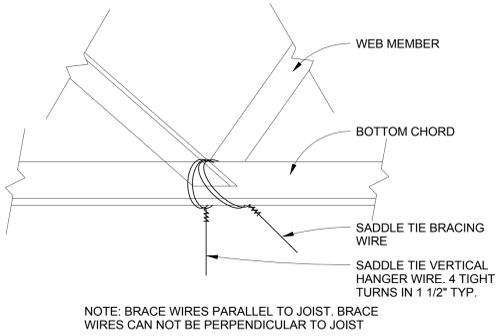
42 EXPANSION JOINT @ SUSPENDED CEILING



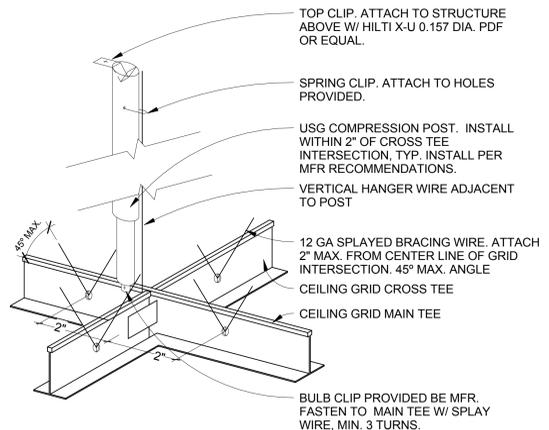
14 CEILING BRACING WIRE AT STEEL ROOF DECK N.T.S.



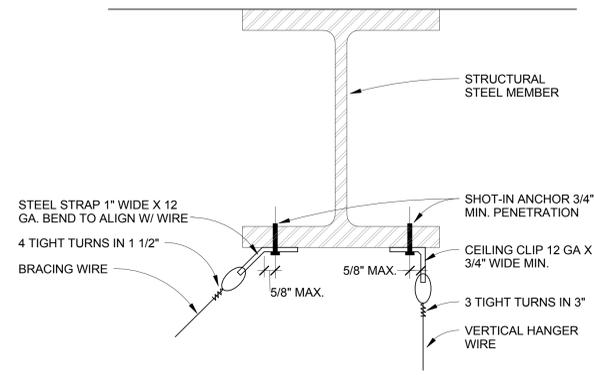
17 SEISMIC PERIMETER CLIP WALL TO WALL SECTION N.T.S.



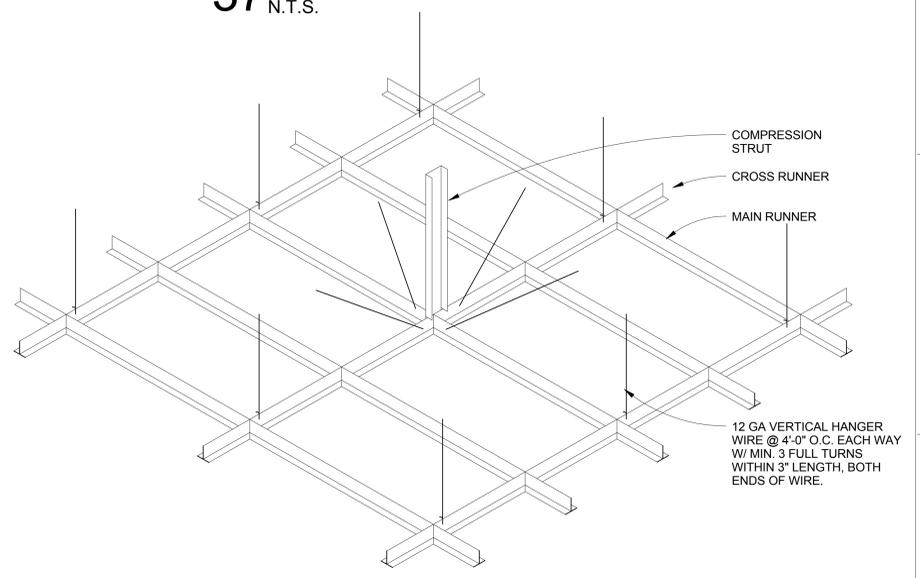
34 CEILING HANGER WIRE AT OPEN WEB STEEL JOIST N.T.S.



37 COMPRESSION STRUT @ ACOUSTIC CLG. SYSTEM - USG N.T.S.



54 CEILING HANGER WIRE AT STEEL BEAMS N.T.S.



57 COMPRESSION STRUT @ CLG. GRID ATTACHMENT N.T.S.

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Revisions:	Date:

CONSULTANTS:	

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Drawing Title	CEILING ASSEMBLY DETAILS
Approved: Project Director	

Project Title	VA PALO ALTO BLDG 6 ADMINISTRATIVE EXPANSION	Project Number	640-13-121P
Location	VAPAHCS, PALO ALTO CAMPUS 3801 MIRANDA AVE. PALO ALTO, CA 94304	Building Number	6
Date	04.17.2014	Checked	M.H.
Drawn	J.P.	Drawing Number	A9.40A
		Dwg. of	

Office of Construction and Facilities Management

Department of Veterans Affairs

**Components Design Elements**

**Typography**  
 Helvetica Bold is the standard typeface for the VA Sign System and will be used for all primary text. Helvetica Regular is used for secondary text. Helvetica Bold Condensed is used for the secondary language of a sign. Helvetica Bold Condensed is used for the secondary language of a sign. Helvetica Bold Condensed is used for the secondary language of a sign.

**Normal Spacing**  
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 abcdefghijklmnopqrstuvwxyz  
 1234567890

**Letter Spacing**  
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 1234567890

**Distance Spacing**  
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 1234567890

122892 Page 1-12

**Components Design Elements**

**Interface Spacing**  
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**Paragraph Spacing**  
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**Alignment**  
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 1234567890

**Text Line One**  
**Text Line Two**

122892 Page 1-13

**ADA Design Elements**

**Architectural Barriers Act Textile Sign Specifications**  
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 ABCDEFGHIJKLMNOPQRSTUVWXYZ  
 abcdefghijklmnopqrstuvwxyz  
 1234567890

**Character Spacing**  
 Helvetica Bold Condensed  
 ABCDEFGHIJKLMNOPQRSTUVWXYZ  
 abcdefghijklmnopqrstuvwxyz  
 1234567890

**Line Spacing**  
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 1234567890

**Character Spacing**  
 Helvetica Bold Condensed  
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 abcdefghijklmnopqrstuvwxyz  
 1234567890

122892 Page 1-14

**ADA Design Elements**

**Architectural Barriers Act Textile Sign Specifications**  
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**Character Spacing**  
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122892 Page 1-17

**ADA Design Elements**

**Architectural Barriers Act Textile Sign Specifications**  
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 1234567890

**Character Spacing**  
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 1234567890

**Line Spacing**  
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**Character Spacing**  
 Helvetica Bold Condensed  
 ABCDEFGHIJKLMNOPQRSTUVWXYZ  
 abcdefghijklmnopqrstuvwxyz  
 1234567890

122892 Page 1-18

**Colors Design Elements**

**Accent**  
 2A244

**Background**  
 Cardiac Intervention Unit

**Text**  
 Fire Door  
 Keep closed at all times.

122892 Page 1-19

**Colors Design Elements**

**Interior Sign Background Colors**  
 Helvetica Bold Condensed  
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 abcdefghijklmnopqrstuvwxyz  
 1234567890

**Additional Colors for Trims, Accents, Posts & Brackets**  
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 1234567890

**Color Chart**  
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122892 Page 1-13

**Metric Design Elements**

**Metric System**  
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**Metric Conversion Chart**  
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**Metric Conversion Chart**  
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122892 Page 1-14

**Planning Interior Signs**

**Number Orientation**  
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 abcdefghijklmnopqrstuvwxyz  
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**Location Plan**  
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**Number Orientation**  
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 1234567890

122892 Page 9-24

**Installation Interior Signs**

**Detail 1**  
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**Detail 2**  
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**Detail 3**  
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 1234567890

122892 Page 9-24

**IN-01.31 Code and Life Safety Signs**

**Fire Equipment Identification Sign**  
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 abcdefghijklmnopqrstuvwxyz  
 1234567890

**Message Configuration**  
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 abcdefghijklmnopqrstuvwxyz  
 1234567890

**Graphic Process**  
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 abcdefghijklmnopqrstuvwxyz  
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122892 Page 9-54

**IN-01.31 Code and Life Safety Signs**

**Fire Equipment Identification Sign**  
 Helvetica Bold Condensed  
 ABCDEFGHIJKLMNOPQRSTUVWXYZ  
 abcdefghijklmnopqrstuvwxyz  
 1234567890

**Message Configuration**  
 Helvetica Bold Condensed  
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**Graphic Process**  
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 abcdefghijklmnopqrstuvwxyz  
 1234567890

122892 Page 9-54

**IN-14.06-10 Interior Signs**

**Reception**  
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 abcdefghijklmnopqrstuvwxyz  
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**Surgery**  
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 1234567890

**Sign Components**  
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 1234567890

**Installation**  
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122892 Page 9-41

**IN-14.06-10 Interior Signs**

**Reception**  
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**Surgery**  
 Helvetica Bold Condensed  
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 1234567890

**Sign Components**  
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 1234567890

**Installation**  
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122892 Page 9-42

**Installation Interior Signs**

**Detail 1**  
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**Detail 2**  
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 1234567890

**Detail 3**  
 Helvetica Bold Condensed  
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 abcdefghijklmnopqrstuvwxyz  
 1234567890

122892 Page 9-44

**IN-01.31 Code and Life Safety Signs**

**Fire Equipment Identification Sign**  
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**Message Configuration**  
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**Graphic Process**  
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**IN-01.31 Code and Life Safety Signs**

**Fire Equipment Identification Sign**  
 Helvetica Bold Condensed  
 ABCDEFGHIJKLMNOPQRSTUVWXYZ  
 abcdefghijklmnopqrstuvwxyz  
 1234567890

**Message Configuration**  
 Helvetica Bold Condensed  
 ABCDEFGHIJKLMNOPQRSTUVWXYZ  
 abcdefghijklmnopqrstuvwxyz  
 1234567890

**Graphic Process**  
 Helvetica Bold Condensed  
 ABCDEFGHIJKLMNOPQRSTUVWXYZ  
 abcdefghijklmnopqrstuvwxyz  
 1234567890

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REFER TO VA TIL FOR CURRENT SIGN TYPE DETAIL REQUIREMENTS AT:

<http://www.cfm.va.gov/tli/signs/Signage01-Intro.pdf>

<http://www.cfm.va.gov/tli/signs/Signage04-Exterior.pdf>

<http://www.cfm.va.gov/tli/signs/Signage08-Codel.S.pdf>

<http://www.cfm.va.gov/tli/signs/Signage09-Interior.pdf>

FINAL BID DOCUMENTS

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**Drawing Title**  
 SIGNAGE TYPE DETAILS

**Approved: Project Director**

**Project Title**  
 VA PALO ALTO BLDG 6  
 ADMINISTRATIVE  
 EXPANSION

**Project Number**  
 640-13-121P

**Building Number**  
 6

**Location**  
 VAPAHCS, PALO ALTO CAMPUS  
 3801 MIRANDA AVE., PALO ALTO, CA 94304

**Date**  
 04.17.2014

**Checked**  
 M.H.

**Drawn**  
 Author

**Dwg. of**  
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**Office of Construction and Facilities Management**

**Department of Veterans Affairs**