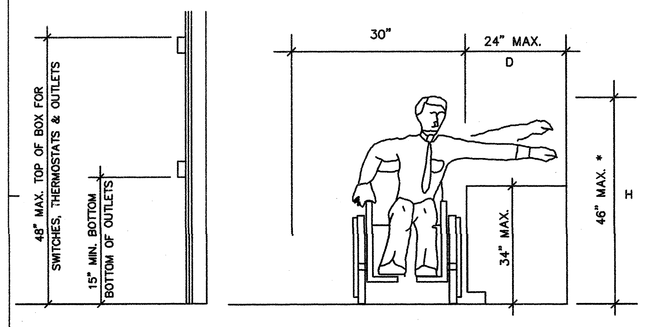
GENERAL NOTES

1. ALL INDICATED DIMENSIONS ARE APPROXIMATE AND ARE GIVEN FOR ESTIMATE PURPOSES ONLY. BEFORE PROCEEDING WITH THE WORK CAREFULLY CHECK AND VERIFY ALL DIMENSIONS, SIZES, REQUIRED CLEARANCES AND ASSUME FULL RESPONSIBILITY FOR THE FITTING OF ALL EQUIPMENT AND MATERIALS HEREIN REQUIRED TO OTHER PARTS OF THE WORK AND TO THE WORK OF OTHER TRADES.
2. THE DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC TO THE EXTENT THAT ALL OFFSETS, BENDS, SPECIAL FITTINGS AND LOCATIONS ARE NOT EXACTLY LOCATED.
3. THIS CONTRACTOR SHALL COMPLY WITH ALL CONTRACT DOCUMENTS IN LAYING OUT HIS WORK AND EQUIPMENT. HE SHALL COORDINATE THE WORK OF THIS SECTION WITH THE WORK OF OTHER TRADES AND ALL JOB CONDITIONS.
4. THE INSTALLATION OF VALVES, THERMOMETERS, GAUGES, CLEANOUTS, DAMPERS, DUCT ACCESS DOORS OR OTHER INDICATING EQUIPMENT OR SPECIALTIES REQUIRING READING, ADJUSTMENT, INSPECTION, REPAIRS, REMOVAL OR REPLACEMENT SHALL BE CONVENIENTLY AND ACCESSIBLY LOCATED WITH REFERENCE TO THE FINISHED BUILDING.
5. ALL LINE VOLTAGE WIRING, EQUIPMENT AND LINE VOLTAGE CONDUIT SHOWN DASHED SHALL BE BY THE ELECTRICAL CONTRACTOR. LOW VOLTAGE WIRING AND LOW VOLTAGE CONDUIT SHALL BE BY THE HVAC CONTRACTOR. VERIFY ELECTRICAL CHARACTERISTICS PRIOR TO BID AND MATERIAL PURCHASE.
6. FINAL LOCATIONS OF THERMOSTAT TO BE VERIFIED WITH THE ELECTRICAL AND MECHANICAL ENGINEER AT JOB SITE.
7. ALL THERMOSTATS ON EXTERIOR WALLS TO BE MOUNTED ON THERMAL ISOLATION BASE.
8. TOP OF ROOM THERMOSTATS SHALL BE MOUNTED AT 4'-0" ABOVE FINISHED FLOOR. SEE DETAIL, THIS SHEET, FOR THERMOSTATS LOCATED ABOVE CABINETRY.
9. WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS, THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE MECHANICAL ENGINEER AND DSA FIELD ENGINEER.
10. ALL MISCELLANEOUS DUCTS, PIPES, ETC. SHALL BE BRACED IN ACCORDANCE WITH SMACNA SEISMIC HAZARD LEVEL "A" DETAILS AND "SCHOOL EQUIPMENT ANCHORAGE NOTES" BELOW.
11. ALL CONDENSATE PIPING SHALL BE TYPE "L" COPPER AND BE INSTALLED WITH A 2-1/2" DEEP TRAP. SIZES TO BE AS INDICATED ON DRAWINGS.
12. ALL SIZES FOR DUCTWORK AND AIR DISTRIBUTION ARE NET INSIDE DIMENSIONS.
13. PROVIDE AND INSTALL TURNING VANES IN RIGHT ANGLE ELBOWS AND DEFLECTORS IN RECTANGLE BRANCHES.
14. PROVIDE AND INSTALL ALL NECESSARY ACCESS DOORS AND CEILING ACCESS PANELS FOR DAMPERS AND CONTROLS.
15. PROVIDE COMBINATION FIRE/SMOKE DAMPERS IN DUCTS PENETRATING FIRE RATED PARTITIONS.
16. FOR EXACT LOCATIONS OF DIFFUSERS AND REGISTERS, SEE ARCHITECTURAL DRAWINGS.
17. INSTALL ALL FRESH AIR INTAKES AS TO BE 10'-0" FROM ANY AND ALL SANITARY VENTS OR EXHAUST FAN DISCHARGE. WHEN NECESSARY, EXTEND VENTS OR PROVIDE ADDITIONAL FRESH AIR INTAKE DUCTWORK AS DIRECTED BY THE ENGINEER.
18. THE SIZES, WEIGHTS AND CAPACITIES OF ALL EQUIPMENT SCHEDULED ON THE PLAN HAVE BEEN CAREFULLY COMPUTED. SHOULD EQUAL ITEMS BY DIFFERENT MANUFACTURERS (SEE SPECIFICATIONS) BE SUBMITTED FOR APPROVAL, ALL SUCH SUBMITTALS SHALL INCLUDE 1/4" SCALE SHOP DRAWINGS SHOWING METHOD OF INSTALLATION. PROVIDE LOAD RATINGS AND SEISMIC CALCULATIONS AS APPROVED BY A REGISTERED STRUCTURAL ENGINEER WITH EACH SUBMITTAL.
19. REQUIRED ROUTINE MAINTENANCE ACTION SHALL BE CLEARLY STATED AND INCORPORATED ON A READILY ACCESSIBLE LABEL, WHICH MAY BE LIMITED TO IDENTIFYING BY TITLE AND/OR PUBLICATION NUMBER THE OPERATION AND MAINTENANCE MANUAL FOR THAT PARTICULAR MODEL AND TYPE OF PRODUCT. ONE COPY OF THIS INFORMATION SHALL BE FURNISHED BY THE CONTRACTOR TO THE OWNER.
20. THE CONTRACTOR SHALL PROVIDE THE BUILDING OWNER, MANAGER, AND ORIGINAL OCCUPANTS A DESCRIPTION OF THE QUANTITIES OF OUTDOOR AND RECIRCULATED AIR THAT THE VENTILATION SYSTEMS ARE DESIGNED TO PROVIDE TO EACH AREA.
21. IN SOME INSTANCES, IT MAY BE NECESSARY TO DEFER WORK IN CERTAIN AREAS AND LOCATIONS UNTIL SUCH TIME AS EXISTING FACILITIES CAN BE RELOCATED OR REARRANGED BY THE OWNER. THEREFORE, WHENEVER IT BECOMES NECESSARY FOR THE CONTRACTOR TO PERFORM WORK UNDER THIS CONTRACT IN EXISTING AREAS IN WHICH THE OWNER'S WORK IS BEING PERFORMED, THIS CONTRACTOR SHALL ADVISE THE ARCHITECT AND OWNER RELATIVE TO THIS REQUIREMENT AND SHALL FOLLOW CLOSELY THE DIRECTIVE ISSUED BY THE ARCHITECT INSOFAR AS TIME AND PROCEDURE ARE CONCERNED. ALLOW OWNER 72 HOURS PRIOR NOTICE. THE CONTRACTOR SHALL INCLUDE IN HIS BID ALL PREMIUM TIME TO WHICH HE MAY BE SUBJECTED FOR PERFORMING WORK IN SUCH PROCEDURE AND AT SUCH TIME AS MAY BE NECESSARY TO CAUSE THE LEAST INTERFERENCE WITH THE OPERATIONS OF THE OWNER.
22. NEW WORK AND INSTALLATION SHALL NOT IMPAIR THE PROPER FUNCTIONING OF THE EXISTING FACILITIES AND THE COMPLETED PROJECT SHALL BE PROPERLY FUNCTIONING ENTIRELY THROUGHOUT. FURNISH ALL LABOR AND MATERIALS REQUIRED TO RELOCATE, REMOVE, REINSTALL, RECONNECT, REPLACE, ETC., ANY EXISTING WORK TO ACCOMMODATE THE NEW WORK - MATERIALS AS HEREINBEFORE SPECIFIED, UNLESS OTHERWISE APPROVED IN WRITING BY THE ARCHITECT.
23. ALL COMPONENTS/PARTS OF THE EXISTING HVAC SYSTEMS ARE TO REMAIN AS PROPERTY OF THE OWNER AND SHALL BE CAREFULLY REMOVED AND TRANSPORTED TO A STORAGE AREA ON THE PREMISES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNER AND INFORM HIM THIS HAS BEEN ACCOMPLISHED AND IS READY FOR HIM TO TAKE SUCH ITEMS AS ARE TO BE SALVAGED.
24. ALL ITEMS NOT SALVAGED BY THE OWNER SHALL BECOME THE PROPERTY OF THIS CONTRACTOR AND BE REMOVED FROM THE JOB SITE WITHIN 30 DAYS OF OWNER'S NOTIFICATION.
25. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL TRADES AT THE SITE. ANY COSTS TO INSTALL WORK TO ACCOMPLISH SAID COORDINATION WHICH DIFFERS FROM THE WORK AS SHOWN ON THE PLANS SHALL BE INCURRED BY THE CONTRACTOR. ANY DISCREPANCIES, AMBIGUITIES OR CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT DURING BID TIME FOR CLARIFICATION. ANY SUCH CONFLICTS NOT CLARIFIED PRIOR TO BID SHALL BE SUBJECT TO THE INTERPRETATION OF THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.
26. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DO ALL CORING, SAW CUTTING, PATCHING AND REFINISHING OF EXISTING WALLS AND SURFACES WHEREVER IT IS NECESSARY FOR HIM TO PENETRATE FOR HIS WORK. ALL OPENINGS SHALL BE SEALED TO MEET THE FIRE RATING OF THE PARTICULAR WALL, FLOOR OR CEILING PENETRATED.
27. CUTTING, BORING, SAW CUTTING OR DRILLING THROUGH THE EXISTING OR NEW STRUCTURAL ELEMENTS IS NOT TO BE STARTED UNTIL THE DETAILS HAVE BEEN REVIEWED AND APPROVED BY THE ARCHITECT, STRUCTURAL ENGINEER AND THE DSA FIELD ENGINEER IF THE DETAILS DO NOT SHOW OR CONFORM TO THE APPROVED DRAWINGS.
28. PENETRATIONS OF PIPES, CONDUITS, ETC., IN WALLS REQUIRING PROTECTED OPENING SHALL BE FIRE STOPPED. FIRE STOP MATERIAL SHALL BE A U.L. TESTED AND APPROVED ASSEMBLY APPROVED BY THE STATE FIRE MARSHAL.
29. PIPING, DUCTWORK, AND OTHER EQUIPMENT SHOWN AS EXISTING HAVE BEEN TAKEN FROM OWNER'S DRAWINGS. CONTRACTOR SHALL VERIFY EXACT LOCATION AND SIZES IN THE FIELD.
30. BEFORE BIDDING THE PROJECT THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY THE CLEARANCES AVAILABLE TO BRING THE SPECIFIED EQUIPMENT AND MATERIAL TO THE SITE.

THERMOSTAT HEIGHT SCHEDULE



SIDE REACH
FIGURE 11B-5D
CORRESPONDING REACH HEIGHTS FOR GIVEN DEPTHS:

WHEN D = 10" OR LESS, H = 54" MAX.
WHEN D = 11" H = 53.5" MAX.
WHEN D = 12" H = 53.0" MAX.
WHEN D = 13" H = 52.5" MAX.
WHEN D = 14" H = 51.5" MAX.
WHEN D = 15" H = 51.0" MAX.
WHEN D = 16" H = 50.5" MAX.
WHEN D = 17" H = 50.0" MAX.
WHEN D = 18" H = 49.5" MAX.
WHEN D = 19" H = 49.0" MAX.
WHEN D = 20" H = 48.5" MAX.
WHEN D = 21" H = 47.5" MAX.
WHEN D = 22" H = 47.0" MAX.
WHEN D = 23" H = 46.5" MAX.

NOTES:

ELECTRICAL OUTLETS AND SWITCHES SHALL BE MOUNTED AT A MAXIMUM OF 48" ABOVE FINISH FLOOR, MEASURED TO THE TOP OF THE ELECTRICAL BOX RATHER THAN THE CENTERLINE. (CBC SECTION 1117B.6.5).

(IF DESIRED, A SINGLE DIMENSION OF 46" ABOVE FINISH FLOOR, TO CENTERLINE OF CONTROLS OR BOX WILL BE ACCEPTABLE FOR EITHER SWITCHES/OUTLETS AS WELL AS FOR THERMOSTATS AND SIMILAR CONTROLS).

THE MINIMUM MOUNTING HEIGHT FOR SWITCHES AND OUTLETS IS 15" ABOVE FINISH FLOOR. MEASURED TO THE BOTTOM OF ELECTRICAL BOX RATHER THAN CENTERLINE.

(C)
MAXIMUM SIDE REACH OVER OBSTRUCTION

THIS DIAGRAM ILLUSTRATES THE SPECIFIC REQUIREMENTS OF THESE REGULATIONS AND IS INTENDED ONLY AS AN AID FOR BUILDING DESIGN AND CONSTRUCTION

* 44" MAX WHEN FRONT APPROACH ONLY CBC FILE 11B-5C.

SCHOOL EQUIPMENT ANCHORAGE NOTES

1. EQUIPMENT ANCHORAGE NOTE:

ALL MECHANICAL AND ELECTRICAL EQUIPMENT SHALL BE ANCHORED OR BRACED TO MEET THE HORIZONTAL AND VERTICAL FORCES PRESCRIBED IN THE 2007 CBC, SECTION 1614A.1.13 AND ASCE 7-05 SECTIONS 13.3, 13.4 13.6, AND CHAPTER 6.

THE ATTACHMENT OF THE FOLLOWING ITEMS SHALL BE DESIGNED TO RESIST THE FORCES PRESCRIBED ABOVE, BUT NEED NOT BE DETAILED ON THE PLANS. THE PROJECT INSPECTOR WILL VERIFY THAT THESE ITEMS HAVE BEEN ANCHORED:

A. EQUIPMENT WEIGHING LESS THAN 400 POUNDS SUPPORTED DIRECTLY ON THE FLOOR OR ROOF.
B. FURNITURE REQUIRED TO BE ATTACHED IN ACCORDANCE WITH ASCE 7-05 SECTION 13.5.
C. TEMPORARY OR MOVABLE EQUIPMENT WITH FLEXIBLE CONNECTION TO POWER OR UTILITIES..
D. EQUIPMENT WEIGHING LESS THAN 20 POUNDS SUPPORTED BY VIBRATION ISOLATORS.
E. EQUIPMENT WEIGHING LESS THAN 20 POUNDS SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE MECHANICAL/ELECTRICAL ENGINEER AND THE FIELD REPRESENTATIVE OF THE DIVISION OF THE STATE ARCHITECT.

2. PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE:

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO RESIST THE FORCES PRESCRIBED IN ASCE 7-05 SECTION 13.3 AS DEFINED IN ASCE 7-05 SECTION 13.6.8, 13.6.7, AND 13.6.5.5, ITEM 6, RESPECTIVELY.

THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVALS WITH AN OPA #, SUCH AS MASON INDUSTRIES (OPA 349), OR ISAT (OPA 485) AS MODIFIED TO SATISFY ANCHORAGE REQUIREMENTS OF ACI 318, APPENDIX D.

COPIES OF THE MANUAL SHALL BE ON THE JOBSITE PRIOR TO STARTING HANGING AND BRACING OF THE PIPE, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS.

THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

LEGEND

SYMBOL	ABBRV.	DESCRIPTION
		NEW SQUARE OR RECTANGULAR DUCT
	AC.LN.	NEW DUCT WITH ACOUSTIC LINER(IN ADDITION TO WHERE SPECIFIED)
		EXISTING DUCT OR EQUIPMENT TO REMAIN
		EXISTING DUCT OR EQUIPMENT TO BE REMOVED
		NEW ROUND DUCT
		NEW FLEXIBLE ROUND DUCT
UP (OR DN)		DUCT SLOPE DIRECTION
		DUCT UP OR DOWN
		DUCT TRANSITION
		RADIUS ELBOW (✳ FIG. 2-2)
		RECTANGULAR/SQUARE DUCT THROAT ELBOW WITH VANES (✳ FIG. 2-2)
OR		SQUARE 45 DEGREE ENTRY BRANCH CONNECTION (✳ FIG. 2-6)
		ROUND DUCT WYE FITTING (✳ FIG. 3-5)
OR		RECTANGULAR DUCT PARALLEL FLOW BRANCH (✳ FIG. 2-7)
TH OR	TH	THROAT SIZE ON RECTANGULAR DUCT SPLIT
OR		DUCT TAKE-OFF FROM BOTTOM
OR		DUCT TAKE-OFF FROM TOP
	MVD	NEW VOLUME DAMPER
	(E)MVD	EXISTING MANUAL VOLUME DAMPER
	(E)FD	EXISTING FIRE DAMPER
		NEW MOTORIZED DAMPER
		EXISTING MOTORIZED DAMPER
		NEW BAROMETRIC DAMPER
		EXISTING BAROMETRIC DAMPER
	CR	CEILING REGISTER (RETURN OR OUTSIDE AIR)
	CD	CEILING DIFFUSER (SUPPLY)
	CR	CEILING REGISTER (EXHAUST)
		SUPPLY AIR DUCT SECTION
		RETURN OR OUTSIDE AIR DUCT SECTION
		EXHAUST DUCT SECTION
		SUPPLY AIR DUCT UP THRU FLOOR OR ROOF
		RETURN OR OUTSIDE AIR DUCT UP THRU FLOOR OR ROOF
		EXHAUST DUCT UP THRU FLOOR OR ROOF
2	LVR.	DOOR LOUVER AND SQUARE FOOT GROSS AREA
		UNDERCUT DOOR 1"
	A.F.F.	ABOVE FINISHED FLOOR
	C.A.	COMBUSTION AIR
	GALV.	GALVANIZED
	GI	GALVANIZED IRON
	S.P.	STATIC PRESSURE
Ø	DIA.	ROUND(DIAMETER)
	TG	TOP GRILLE
	TR	TOP REGISTER
	BR	BOTTOM REGISTER
	BG	BOTTOM GRILLE
	CG	CEILING GRILLE
	(E) OR EXIST	EXISTING
	W/CLG. F.D.	WITH CEILING FIRE DAMPER
	E. OR EXH.	EXHAUST
	R. OR RET.	RETURN
	S. OR SUPP.	SUPPLY
	TEMP.	TEMPERATURE
	TYP	TYPICAL
	U.N.O.	UNLESS NOTED OTHERWISE
	POR	POINT OF REMOVAL
		EQUIPMENT NUMBER
AC-4 T	T'STAT.	THERMOSTAT WITH ZONE NUMBER
AC-4 S		REMOTE SENSOR WITH ZONE NUMBER
DD		DUCT MOUNTED SMOKE DETECTOR
	POR	POINT OF REMOVAL
	POC	POINT OF CONNECTION
	AD	ACCESS DOOR
	UTR	UP THRU ROOF
	DTR	DOWN THRU ROOF
	EA	EXHAUST AIR
	SA	SUPPLY AIR
	RA	RETURN AIR
	BT	BYPASS TIMER
	WG	WALL GRILLE
	EEMS	EXISTING ENERGY MANAGEMENT SYSTEM CONDUIT
R		EXISTING EMS RELAY PACK
	CFM	CUBIC FEET OF AIR PER MINUTE
	OSA	OUTSIDE AIR

✳ REFERS TO "SMACNA" HVAC DUCT CONSTRUCTION STANDARDS

DRAWING LIST

DWG.NO.	DESCRIPTION
M0.1	LEGEND, NOTES AND DRAWING LIST
M0.2	EQUIPMENT SCHEDULE
M1.0	SITE PLAN (REFERENCE ONLY)
M2.1	BUILDING 1 REMODEL PLAN
M2.2	BUILDING 2 REMODEL PLAN
M2.3	BUILDING 4 REMODEL PLAN
M2.4	BUILDINGS 6 AND 7 REMODEL PLANS
M3.0	DETAILS
M3.1	WIRING DIAGRAMS

MECHANICAL SCOPE OF WORK

PROVIDE VENTILATION TO ALL ELECTRICAL ROOMS THROUGH THE ADDITION OF EXHAUST FANS ALONG WITH CONTROLS. PROVIDE AIR CONDITIONING TO ALL SMALL ROOMS HOUSING IDF CABINETS THROUGH THE ADDITION OF DUCTLESS SPLIT A/C UNITS ALONG WITH CONTROLS.

CODES AND STANDARDS

2007 CALIFORNIA ADMINISTRATIVE CODE (CCR - TITLE 24, PART 1)

2007 CALIFORNIA BUILDING CODE (CCR - TITLE 24, PART 2)
BASED ON THE 2006 INTERNATIONAL BUILDING CODE (IBC) & 2007 CA AMENDMENTS

2007 CALIFORNIA ELECTRICAL CODE (CCR - TITLE 24, PART 3)
BASED ON THE 2005 NATIONAL ELECTRICAL CODE (NEC) & 2007 CA AMENDMENTS

2007 CALIFORNIA MECHANICAL CODE (CCR - TITLE 24, PART 4)
BASED ON THE 2006 UNIFORM MECHANICAL CODE (UMC) & 2007 CA AMENDMENTS

2007 CALIFORNIA PLUMBING CODE (CCR - TITLE 24, PART 5)
BASED ON THE 2006 UNIFORM PLUMBING CODE (UPC) & 2007 CA AMENDMENTS

2007 CALIFORNIA ENERGY CODE (CCR - TITLE 24, PART 6)

2004 SAFETY CODE FOR ELEVATORS AND ESCALATORS (ASME A17.1-2004)

2007 CALIFORNIA FIRE CODE (CCR - TITLE 24, PART 9)
BASED ON THE 2006 INTERNATIONAL FIRE CODE (IFC) & 2007 CA AMENDMENTS

2007 CALIFORNIA REFERENCED STANDARDS (CCR - TITLE 24, PART 12)
TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULTIONS

SANTA ANA UNIFIED SCHOOL DISTRICT

gkkworks
2365 Main Street Suite 220
Irvine | CA 92614
949 250 1500
949 955 2708 fax

Architect Seal

LICENSED ARCHITECT
GUILLERMO AGUILAR
NO. C13165
REN.: MAY. 2011
STATE OF CALIFORNIA

Consultant and Seal

TMAD TAYLOR & GAINES
• STRUCTURAL
• MECHANICAL
• ELECTRICAL
• CIVIL
800 North Ferrari Lane, Suite 100
Ontario, California 91764
Phone: 909.477.6915 Fax: 909.477.6916
Project No. 2008.125.00

REGISTERED PROFESSIONAL ENGINEER
CHRIS E. RADTKE
No. M24519
Exp. 9/30/10
MECHANICAL

Agency Approval

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-110031
DATE NOV 24 2009

No.	Date	Revision/Issue
	12/08/08	DSA SUBMITTAL
	02/11/09	DSA SUBMITTAL
	5/11/09	DSA BACKCHECK
	12/15/2011	BID SET

Project Name

MUIR FUNDAMENTAL SCHOOL MODERNIZATION
1951 MABURY ST.
SANTA ANA, CA 92707

Checked By: VR
Drawn By: PR

Sheet Title

LEGEND, NOTES AND DRAWING LIST

Sheet Number

M0.1

Project Number: 10021-010
Scale: NONE

© 2009 gkkworks, All Rights Reserved
NO PART OF THE CONTENTS OF THIS DOCUMENT MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS WITHOUT THE WRITTEN PERMISSION OF GKKWORKS.

N:\20.CAD\TTG_Projects\2008\2008-125-00\Wpe\M0-1.dwg 11/09/2009