

ABBREVIATIONS

A	C Cont	F Cont	J	P	S Cont	V Cont
ABT About	COP Copper	FF Far Face	JAL Jalousie	PR Pair	SHT Sheet	VOL Volume
ABV Above	COR BD Corner Bead	FS Far Side	JAN Janitor	PNL Panel	SHR Shower	
ABUT Abutment	CORR Corrugated or Corridor	FT Feet	JT Joint	PTD Paper Towel Dispenser	ST Shower Tree	W
AP Access Panel	CAP Corrugated Aluminum Pipe	FRP Fiber Reinforced Plastic	JST Joist	PTCU Paper Towel Dispenser & Receptacle Combination Unit	SDG Siding	W Steel Shape
ACOUS Acoustic	CMP Corrugated Metal Pipe	FIG Figure	JB Junction Box		SIM Similar	WT Structural Tee
ADA Americans with Disabilities Act	CSP Corrugated Steel Pipe	FIL Fillet		PTR Paper Towel Receptacle	S Sink	W Watt
ADH Adhesive	CNTR Counter	FIN Finish		PTN Partition	SGB Soap & Grab Bar	WSCOT Wainscot
ADJ Adjustable	CTSK Countersunk	FA Fire Alarm	KD Kilm-Dried	PASS Passage	SDISP Soap Dispenser	WCOV Wall Covering
AGGR Aggregate	CF Cubic Feet	FE Fire Extinguisher	KV Kilovolt	PAVT Pavement	SC Solid Core	WF Wall Footing
A/C Air Condition	CFM Cubic Feet per Minute	FEC Fire Extinguisher Cabinet	KW Kilowatt	PERF Perforated	S South	WP Waste Pipe
ARV Air Relief Valve	CFS Cubic Feet per Second	FHC Fire Hose Cabinet	KSI Kips Per Sq. In.	PERP Perpendicular	SPC Spaces or Spacing	HWF Handwash Fountain
ALT Alternate	CY Cubic Yard	FH Fire Hydrant	KIT Kitchen	PH Phase	SPEC Specification	WC Water Closet
AL Aluminum	CULV Culvert	FPRF Fire Proofing	KO Knock Out	PLAS Plaster	SPI Spiral	WH Water Heater
ACP Asbestos Cement Pipe	CUS Cushion	FS Fire Stop	KIP 1,000 Pound Unit	PLAM Plastic Laminate	SB Splash Block	WP Waterproofing
AB Anchor Bolt		FIXT Fixture		PL Plate	SPR Sprinkler	WMH Water Valve Manhole
& And		FLASH Flashing	L	PLAT Platform	SQ Square	WT Weight
∠ Angle	DP Damp Proofing	FB Flat Bar	LAB Laboratory	PLYWD Plywood	SF Square Foot	WMF Welded Wire Fabric
APPROX Approximate	DEG Degree	FLEX Flexible	LB Lag Bolt	PT Point of Tangent	SY Square Yard	W Wide, Width, West
ARCH Architect or Architectural	DEPR Depressed	FL Floor	LAM Laminate	PC Point of Curve	STAG Stagger	WF Wide Flange
AD Area Drain	DEPT Department	FA Floor Area	LDG Landing	PCC Point of Compound Curve, or Portland Cement Concrete	S STL Stainless Steel	WDW Window
AT Asphalt Tile	DET Detail	FCO Floor Clean Out	LT Laundry Tray		STD Standard	WGL Wireglass
ASPH Asphalt	DIAG Diagonal	FD Floor Drain	LAV Lavatory	PI Point of Intersection	STA Station	WM Wire Mesh
ATB Asphalt Treated Base	DIA Diameter	FLG Flooring	LF Left	PINC Point of Intersection of Vertical Curve	STL Steel	W/ With
AC Asphaltic Concrete	DIM Dimension	FLUOR Fluorescent	LG Length, Long		STIRR Stirrup	W/O Without
● At	DR Dining room	FTG Footing	LT Light	PRC Point of Reverse Curve	STOR Storage	WOLM Wolmanized
ATTN Attention	DW Dishwasher	FLDG Folding	LWC Light Weight Concrete	POC Point of Curve	SD Storm Drain	WM Women
AUTO Automatic	DISP Dispenser	FDN Foundation	LF Linear Feet	PVC Polyvinyl Chloride	STR Straight	WD Wood
AVE Avenue	DSPL Disposal	FR Frame	LSD Liquid Soap Dispenser	PORT Portable	SDMH Storm Drain Manhole	WR Water Resistant
AZ Azimuth	DO Ditto	FRWY Freeway	LKR Locker	LB Pound	ST Street	
	DV Division	FSD Full Size Detail	LONGIT Longitudinal	PSI Pounds Per Sq In	STRUCT Structural	Y
	DR Door	FURR Furring	LV Louver	PP Power Pole	SUPT Superintendent	YD Yard
	DBL Double	FUT Future	LPT Low Point	PRCST Precast	S4S Surfacted Four Sides	
BAL Balance	DH Double Hung		LB Pound	PREFAB Prefabricated	S1S Surfacted One Side	Z
Baseline	DF Douglas Fir, Drinking Fountain or Double Face	G		PRMLD Premolded	S2S Surfacted Two Sides	Z Zinc
BSMT Basement		GAL Gallon	M	PRV Pressure Reducing Valve	SUSP Suspend	
BH Broom Holder	DVTL Dovetail	GPM Gallons Per Minute	MACH Machine	PREST Prestressed	SW Switch	
BM Beam	DWL Dowel	GPH Gallons Per Hour	MB Machine Bolt	PROJ Project	SWBD Switchboard	
BM Bench Mark or Bottom Most	DN Down	GALV Galvanized	MAHO Mahogany	PROP Property	SWGR Switchgear	
BRG Bearing	DS Downspout	GI Galvanized Iron	MAINT Maintenance	P/L Property Line	SYM Symmetrical	
BRM Bedroom	DI Drain Inlet	GAR Garage	MH Manhole	PA Public Address	SPLAS Synthetic Plaster	
BC Begin of Curve	DWR Drawer	GV Gate Valve	MFR Manufacture, Manufacturer		SH Shelf or Shelves	
BVC Begin of Vertical curve	DWG Drawing	GA Gauge	MO Masonry Opening	Q		
BT Bent	DRN Drain	GEN General	MB Marker Board	QUAN Quantity	T	
BEV Bevel	DRWY Driveway	GL Glass	MATL Material	QT Quarry Tile	TS Structural Tubing	
BITUM Bituminous	DSY Dry Standpipe	GLULAM Glue-Laminated	MAX Maximum	QTRRD Quarter Round	TEL Telephone	
BLK Block	DIP Ductile Iron Pipe	GOVT Government	MLLW Mean Lower Low Water		TEV Television	
BLKG Blocking	d Penny (nails)	GB Grab Bar	MSL Mean Sea Level	R	TEMP Tempered or Temperature	
BD Board		GR Grade	MECH Mechanical	RECP Receptacle	TER Terrazzo	
BOT Bottom		GCL Grade Control Line	MC Medicine Cabinet	RECT Rectangular	THK Thick	
BLVD Boulevard	EA Each	GT Grease Trap	MEMB Membrane	RWD Redwood	TS Thickened Slab	
BRKT Bracket	EE Each End	GND Ground	MET Metal	REF Reference	THRU Through	
BTB Basaltic Termite Barrier	EF Each Face	GRP Grouted Rubble Paving	M Meter	REFR Refrigerator	TOG B Toggle Bolt	
BTU British Thermal Unit	ES Each Side or Edge of Shoulder	GP Guy Pole	MEZZ Mezzanine	REG Register	TPD Toilet Paper Dispenser	
BLDG Building	EW Each Way	GW Guy Wire	MM Millimeter	REIN Reinforced, Reinforcing, Reinforcement	TSCD Toilet Seat Cover Dispenser	
BB Bulletin Board	EWEF Each Way Each Face	GYP Gypsum	MGD Million Gallons Per Day	REBAR Reinforcing Bar	T & G Tongue & Groove	
	E East	GYP BD Gypsum Board	MIN Minimum	RELOC Relocated	TOP C Top Chord	
CAB Cabinet	ELEC Electrical		MIR Mirror	REM Removed	TM Top Most	
C-I-P Cast-in-place	EMH Electric Manhole	H	MISC Miscellaneous	REQ Required	TC Top of Curb or Concrete	
CI Cast Iron	EP Electric Panel, Edge of Pavement,	HSD Half Size Detail	MB Moisture Barrier	RESIL Resilient	T Top, Ton	
CP Cast Iron Pipe	ELEV Elevation	HDBD Hardboard	MON Monument	RET Retaining	TP Top of Paving	
CB Catch Basin	EMB Embankment	HDWE Hardware	MBH Map and Broom Holder	REFL Reflected	TW Top of Wall	
CLKG Caulking	EMER Emergency	HDWD Hardwood	MCL Map Control	RA Return Air	TB Towel Bar, Tack Board	
CLG Ceiling	ENAM Enamel	HD Head	MLDG Moulding	REV Revision	TRANSF Transformer	
CEM Cement	ENCL Enclosure	HDR Header	MTD Mounted	RPM Revolutions Per Minute	TRANSV Transverse	
CTB Cement Treated Base	EC End of Curve	HT Height	MUL Mullion	RT Right	T Toilet	
CTR Center or Centered	EVC End Vertical Curve	HEX Hexagon		ROW Right of Way	TSD Toilet Seat Cover Dispenser	
CL Center Line	ENGR Engineer	HWY Highway	N	RF Rigid Frame	TYP Typical	
C to C Center to Center	EQ Equal	HPT High Point	NAT Natural	R Riser		
CER Ceramic	EQPT Equipment	HC Hollow Core	NOM Nominal	RD Road	U	
CT Ceramic Tile	EWC Electric Water Cooler	HM Hollow Metal	NON-BRG Non-Bearing	RDWY Roadway	UNF Unfinished	
CB Chalk Board	EWH Electric Water Heater	HK Hook	NA Not Applicable	RF Roof	UNO Unless Noted Otherwise	
C Channel (Steel Shape)	EST Estimate	HORIZ Horizontal	NIC Not in Contract	RD Roof Drain	UR Urinal	
CO Clean-Out	EXC Excavation	HKS Hook Strip	NTS Not To Scale	RFC Roofing		
CLR Clear	EXH Exhaust	HP Horsepower	NO Number	RM Room	V	
CL Closed	EXIST Existing	HB Hose Bibb	NS Near Side	RO Rough Opening	VB Valve Box	
CLO Closet	EXP Expansion	HW Hot Water		RND Round	VP Vapor Barrier	
CH Coat Hook	EXP JT Expansion Joint	HWT Hot Water Tank	O	RCP Reinforced Concrete Pipe	VAR Varies	
CW Cold Water	EXP SHLD Expansion Shield	HR Hour	OBS Obscure		VEL Velocity	
COL Column	EXPO Exposed		OFF Office	S	VENT Ventilator	
COMM Communication	EXTN Extension	I	OC On Center(s)	SCH Scheduled	VP Vent Pipe	
COMP Compressor	EIFS Exterior Insulation and Finish System	IDENT Identical	OPNG Opening	SND Sanitary Napkin Dispenser	VTR Vent Through Roof	
CONC Concrete	EXT Exterior	INCAN Incandescent	OPP Opposite	SNR Sanitary Napkin Receptacle	VERT Vertical	
CMU Concrete Masonry Unit		IN Inch	OH Overhead	SCHED Schedule or Scheduled	VC Vertical Curve	
CRM Concrete Rubble Masonry		INCL Include	OD Outside Diameter	SCTPD Seat Cover & Toilet Paper Dispenser Combination Unit	VG Vertical Grain	
COND Condition		ID Inside Diameter	OF Outside Face	SCTPND Seat Cover, Toilet Paper Dispenser & Napkin Disposal Combination Unit	VEST Vestibule	
CND Conduit		IF Inside Face	O/O Out To Out		VT Vinyl Tile	
CONN Connection		INSUL Insulation	OA Over All		VCP Vitrified Clay Pipe	
CONST Construction	FABR Fabricated	INT Interior	OUT Outlet		V Volt	
CJ Construction Joint	FOC Face of Concrete	INTER Intermediate		SECT Section		
CONT Continuous	FOF Face of Finish	INV Invert		SS Service Sink		
	FOS Face of Stud			SMH Sewer Manhole		
				SHTG Sheathing		

ASSOCIATION ABBREVIATIONS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-M-05-98	2002	4	99

AAN	American Association of Nurserymen
AAR	Association of American Railroads
AASHTO	American Association of State Highway and Transportation Officials
ACI	American Concrete Institute
AGC	Associated General Contractors of America
AIA	American Institute of Architects
AISC	American Institute of Steel Construction
AISI	American Iron and Steel Institute
AITC	American Institute of Timber Construction
ANSI	American National Standards Institute
APA	American Plywood Association
API	American Petroleum Institute
ARA	American Railway Association
AREA	American Railway Engineering Association
ASCE	American Society of Civil Engineer
ASLA	American Society of Landscape Architects
ASTM	American Society for Testing and Materials
ASA	American Standards Association
AWPA	American Wood Preserver's Association
AWS	American Welding Society
AWWA	American Water Works Association
C & C	City & County
CRSI	Concrete Reinforcing Steel Institute
CSI	Construction Specifications Institute
DACS	Department of Accounting & General Services
DOH	Department of Health
DOT	Department of Transportation
FHWA	Federal Highway Administration, US Department of Transportation
FSS	Federal Specifications and Standards, General Services Administration
HRS	Hawaii Revised Statutes
KMCAS	Kaneohe Marine Corps Air Station
NEC	National Electric Code
NEMA	National Electrical Manufacturers Association
NFPA	National Fire Prevention Association
NFC	National Fire Code
PAC DIV	Pacific Division
PCI	Prestressed Concrete Institute
SAE	Society of Automotive Engineers
SSPC	Steel Structures Painting Council
TCA	Tile Council of America
UBC	Uniform Building Code
UL	Underwriter's Laboratory
USC&GS	United States Coast and Geodetic Survey
USGS	US Geological Survey

NOTE:

- ADDITIONAL ABBREVIATIONS ARE DEFINED IN ANSI Y1.1.
- STANDARD ABBREVIATIONS ARE FOR REFERENCE ONLY, NOT ALL ABBREVIATIONS ARE USED IN THESE CONTRACT DRAWINGS.
- ADDITIONAL ABBREVIATIONS ARE DEFINED IN CIVIL, MECHANICAL, AND ELECTRICAL DRAWINGS.



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

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STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
ABBREVIATIONS & ASSOCIATION ABBREVIATIONS
 MOLOKAI BASEYARD
 MOLOKAI INDUSTRIAL PARK
 Project No. HWY-M-05-98

Scale: As Noted Date: SEPT. 13, 2001

SHEET No. T1.4 OF T1.4 SHEETS