A/C	AIR CONDITIONING
A.B.	ANCHOR BOLT
ABV.	ABOVE
AC	ASPHALTIC CONCRETE; ASPHALTIC PAVING
ACOUS.	ACOUSTICAL
A.D.	AREA DRAIN
ADD.	ADDENDUM
ADJ.	ADJUSTABLE
ADJA.	ADJACENT
A.F.F.	ABOVE FINISH FLOOR
AGGR.	AGGREGATE
AL.	ALUMINUM
ALT.	ALTER; ALTERNATE
ANOD.	ANODIZED
A.P.	ACCESS PANEL
APPROX.	APPROXIMATE
ARCH.	ARCHITECTURAL
ARROW	ARROW
A.T.	ACOUSTICAL TILE
BLDG.	BUILDING
BLK.	BLOCK
BLKG.	BLOCKING
B.M.	BENCH MARK
BM.	BEAM
B.O.C.	BOTTOM OF CURB
BOT.	BOTTOM
B.O.W.	BOTTOM OF WALL
BPU	BACKFLOW PREVENTER UNIT
BR.	BEDROOM
BRKT.	BRACKET
B.S.	BOTH SIDES
BSMT.	BASEMENT
BTWN.	BETWEEN
B.U.R.	BUILT-UP ROOFING
CAB.	CABINET
C.B.	CATCH BASIN
CEM.	CEMENT
CEM. PLAS.	CEMENT PLASTER
CER.	CERAMIC
C.G.	CORNER GUARD
C.I.	CAST IRON
C.I.P.	CAST-IN-PLACE
C.J.	CONTROL JOINT
C.L.F.	CHAIN LINK FENCE
CLG.	CEILING
CLO.	CLOSET
CLR.	CLEAR
CMU	CONCRETE MASONRY UNIT
CNTR.	COUNTER
C/O	CLEAN OUT, SEWER
C.O.	CASED OPENING
COL.	COLUMN
COMP.	COMPARTMENT
CONC.	CONCRETE
COND.	CONDITION
CONN.	CONNECTION
CONSTR.	CONSTRUCTION
CONT.	CONTINUOUS
CONTR.	CONTRACTOR
COORD.	COORDINATE
COP.	COPPER
CORR.	CORRIDOR
CPT.	CARPET
C.T.	CERAMIC TILE
CTR.	CENTER
C.W.	COLD WATER
D	DRAIN LINE
DBL.	DOUBLE
D/C	DROP CURB
D.D.	DECK DRAIN
DEPT.	DEPARTMENT
DET.	DETAIL
D.F.	DRINKING FOUNTAIN
DI	DRAIN INTAKE
DIA.	DIAMETER
DIAG.	DIAGONAL
DIM.	DIMENSION
DISP.	DISPENSER
DN.	DOWN
D.O.	DOOR OPENING
DR.	DOOR
D.S.	DOWNSPOUT
D.S.P.	DRY STANDPIPE
DWG.	DRAWING
DWR.	DRAWER
(E) OR EXST.	EXISTING
E	EAST OR ELECTRICAL LINE
EA.	EACH
E.C.	ELASTOMERIC COATING; EXPOSED CONSTRUCTION
E.F.S.	EXTERIOR FINISH SYSTEM
EHH	ELECTRICAL HANDHOLE
E.J.	EXPANSION JOINT
EL.	ELEVATION
ELAS.	ELASTOMERIC
ELEC.	ELECTRICAL
EMH	ELECTRICAL MANHOLE
ENCL.	ENCLOSURE
E.O.P.	EDGE OF PAVEMENT
E.O.S.	EDGE OF SLAB
E.P.	ELECTRICAL PANEL BOARD
E.P.B.	ELECTRICAL PULLBOX
EQ.	EQUAL
EQPT.	EQUIPMENT
E.W.	EACH WAY
E.W.C.	ELECTRICAL WATER COOLER
EXH.	EXHAUST
EXP.	EXPANSION
EXPO.	EXPOSED
EXT.	EXTERIOR
F.	FEMALE
F.A.	FIRE ALARM
F.B.	FLAT BAR
F.D.	FLOOR DRAIN
FDN.	FOUNDATION
F.G.	FINISH GRADE
FH	FIRE HYDRANT
FIN.	FINISH
FIXT.	FIXTURE
FL.	FLOOR
FLASH.	FLASHING
FLDG.	FOLDING
FLG.	FLOORING
FLUOR.	FLUORESCENT
F.O.C.	FACE OF CONCRETE
F.O.F.	FACE OF FINISH
F.O.M.	FACE OF MASONRY
F.O.S.	FACE OF STUD; SLAB; STRUCTURE
F.O.W.	FACE OF WALL
FR.	FRAME
F.R.P.	FIBERGLASS REINFORCED POLYESTER PANEL
F.S.	FLOOR SINK
FT.	FOOT; FEET
F.T.D.	FACIAL TISSUE DISPENSER
FTG.	FOOTING
FURR.	FURRING; FURRED
FUT.	FUTURE
GA.	GAUGE
GALV.	GALVANIZED
G.B.	GRAB BAR
GL.	GLASS
GLU-LAM	GLU-LAMINATED WOOD
GND.	GROUND
GR.	GRADE
GRD.	GROUND
G.S.	GYPSUM SHEATHING
G.S.B.	GYPSUM SHEATHING BOARD
G.W.B.	GYPSUM WALLBOARD
GYP.	GYPSUM
H.	HIGH
H.B.	HOSE BIBB
H.C.	HOLLOW CORE
HD.	HEAD
HDCP.	HANDICAPPED
HDWD.	HARDWOOD
HDWE.	HARDWARE
H.M.	HOLLOW METAL
HORIZ.	HORIZONTAL
H.S.	HAND SINK
HT.	HEIGHT
HVAC	HEATING, VENTILATION AND AIR CONDITIONING
H.W.	HOT WATER
HWM	HIGH WATER MARK
I	IRRIGATION LINE
I.D.	INSIDE DIAMETER
IN.	INCH
INCL.	INCLUSIVE; INCLUDED; INCLUDING
INSUL.	INSULATION
INT.	INTERIOR
INTEG.	INTEGRATED
INV.	INVERT
IW	IRRIGATION WATER
JAN.	JANITOR
J.B.	JUNCTION BOX
J.C.	JANITORS CLOSET
JST.	JOIST
JT.	JOINT
K.D.	KNOCK DOWN
KO.	KNOCK OUT
L.	LENGTH; LONG
LAB.	LABORATORY
LAM.	LAMINATE; LAMINATED
LAV.	LAVATORY
LB.	POUND
LDG.	LANDING
L.F.	LINEAL FOOT
L.H.	LEFT HAND
LIQ.	LIQUOR
LKR.	LOCKER
LOC.	LOCATION
L.R.	LIVING ROOM
LT.	LIGHT
LVT	LUXURY VINYL TILE
LVR.	LOUVER
M.	MALE
MAR.	MARBLE
MAS.	MASONRY
MAX.	MAXIMUM
M.B.	MACHINE BOLT
M.C.	MEDICINE CABINET
MECH.	MECHANICAL
MEMB.	MEMBRANE
MET.	METAL
MFR.	MANUFACTURER
MH.	MANHOLE
MIR.	MIRROR
MISC.	MISCELLANEOUS
MLDG.	MOULDING; MOLDING
M.O.	MASONRY OPENING
M.R.	MOISTURE RESISTANT
MTD.	MOUNTED
MTG.	MOUNTING
MTL.	MATERIAL
MUL.	MULLION
MUN.	MUNTIN
N	NORTH
N.I.C.	NOT IN CONTRACT
NO.	NUMBER
NOM.	NOMINAL
N.T.S.	NOT TO SCALE
OA.	OVERALL
OBS.	OBSCURE
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER (DIMENSION)
O.F.C.I.	OWNER FURNISHED CONTRACTOR INSTALLED
OF. D.	OVERFLOW DRAIN
OFF.	OFFICE
O.F.O.I.	OWNER FURNISHED OWNER INSTALLED
OH.	OVERHANG
O.I.	OWNER INSTALLED
OPNG.	OPENING
OPP.	OPPOSITE
OPP.HAND	OPPOSITE HAND
OPR.	OPERABLE
O/T	OVERHEAD TELEPHONE
OVHD.	OVERHEAD
P	PROPERTY LINE
P.A.	PUBLIC ACCESS SYSTEM
PC.	PIECE; POST CONTRACT
P.D.	PLANTER DRAIN
PERIM.	PERIMETER
PH.	PENTHOUSE
PL.	PLATE
P.LAM.	PLASTIC LAMINATE
PLAS.	PLASTER
PLBG.	PLUMBING
PLYWD.	PLYWOOD
PNL.	PANEL
PR.	PAIR
PRCST.	PRECAST
PREFAB.	PREFABRICATE
PREP.	PREPARATION
PROP.	PROPERTY
PRV.	PRESSURE REDUCING VALVE
P.S.F.	POUNDS PER FOOT
PT.	POINT; PAINT
P.T.D.	PAPER TOWEL DISPENSER
PTD.	PAINTED
P.T.D.R.	PAPER TOWEL DISPENSER & WATER RECEPTACLE
PTN.	PARTITION
P.T.R.	PAPER TOWEL RECEPTACLE
PVC	WHITE PLASTIC PIPE
PVMT.	PAVEMENT
QCV	QUICK COUPLING VALVE
Q.T.	QUARRY TILE
R.	RADIUS
R.B.	RESILIENT BASE
RCP	REINFORCED CONCRETE PIPE
R.D.	ROOF DRAIN
REBAR.	REINFORCING BAR
REF.	REFERENCE
REFL.	REFLECTED
REFR.	REINFORCED; REINFORCING
REQ.	REQUIRED
RESIL.	RESILIENT
REST.	RESTROOM
REV.	REVISED; REVISION
RF.	ROOF
R.F.	RESILIENT FLOORING
RFG.	ROOFING
RGH.	ROUGH
RLG.	RAILING
RM.	ROOM
RND.	ROUND
R.O.	ROUGH OPENING
R.W.C.	RAIN WATER CONDUCTOR
S	SEWER LINE
S.	SOUTH
S.A.	SINGLE ACTING
SC	SCALE
S.C.	SOLID CORE
S.C.D.	SEAT COVER DISPENSER
SCHED.	SCHEDULE
SCP.	SCUPPER
SCR.	SCREEN
S.C.R.	SHOWER CURTAIN ROD
SCV.	SPRINKLER CONTROL VALVE
S.D.	SMOKE DETECTOR; SOAP DISPENSER
S.DISH	SOAP DISH
SDMH	STORM DRAIN MANHOLE
SECT.	SECTION
S.F.	SQUARE FOOT
SH.	SHELF
SHR.	SHOWER
SHT.	SHEET
SHTG.	SHEATHING
SIM.	SIMILAR
SL.	SLOPE
SLDG.	SLIDING
SLGT.	STREET LIGHT
SLNT	SEALANT
S.M.	SHEET METAL
SMH	SEWER MANHOLE
S.N.D.	SANITARY NAPKIN DISPENSER
S.N.R.	SANITARY NAPKIN RECEPTACLE
SP	SIGN POST
SP.	SPACE
SPEC.	SPECIFICATION
SPKR.	SPEAKER
SPRH.	SPRINKLER HEAD
SQ.	SQUARE
S.SK.	SERVICE SINK
S.ST.	STAINLESS STEEL
ST.	STONE
STA.	STATION
STD.	STANDARD
STL.	STEEL
STN.	STAIN
STOR.	STORAGE
STRL.	STRUCTURAL
SURR.	SURROUND
SUSP.	SUSPENDED
SVC.	SERVICE
SW.	SWITCH
S/W	SIDEWALK
SYM.	SYMMETRICAL
SYS.	SYSTEM
T&G	TONGUE AND GROOVE
TACKBD.	TACKBOARD
T.B.	TOWEL BAR
T.B.B.	TILE BACKER BOARD
TBL.	TABLE
TCRP	TRASH CAN RETAINER POST
TCRT	TENNIS COURT
T.D.	TRENCH DRAIN
TEL.	TELEPHONE
TEMP.	TEMPERED; TEMPORARY
TER.	TERRAZZO
THK.	THICK; THICKNESS
THR.	THRESHOLD
THRU.	THROUGH
TLT.	TOILET
TMH.	TELEPHONE MANHOLE
T.M.K.	TAX MAP KEY
T.O.()	TOP OF (ITEM)
T.O.C.	TOP OF CURB
T.O.P.	TOP OF PAVEMENT
T.O.S.	TOP OF SLAB
T.O.W.	TOP OF WALL
T.P.D.	TOILET PAPER DISPENSER
T.P.H.	TOILET PAPER HOLDER
T.PT.	TEXTURED PAINT
TRAN.	TRANSITION
TRD.	TREAD
T.S.	TOWEL SHELF
TSWL	TOP SWALE (LEFT)
TSWR	TOP SWALE (RIGHT)
TV.	TELEVISION
TYP.	TYPICAL
UC.	UNDERCUT
U/E	UNDERGROUND ELECTRICAL
U.L.	UNDERWRITERS LABORATORY
UNK.	UNFINISHED
U.O.N.	UNLESS OTHERWISE NOTED
UR.	URINAL
U/T	UNDERGROUND TELEPHONE
VAL.	VALANCE
VAR.	VARIES
VBU	VACUUM BREAKER UNIT
VERT.	VERTICAL
VEST.	VESTIBULE
VOL.	VOLUME
V.P.	VENEER PLASTER
V.T.R.	VENT THROUGH ROOF
V.I.F.	VERIFY IN FIELD
W	WATER LINE
W.	WIDE; WIDTH; WEST
W/	WITH
W/O	WITHOUT
W.C.	WALL COVERING; WATER CLOSET
WD.	WOOD
WDW.	WINDOW
WFL	WOODEN FENCE LINE
W.GL.	WIRE GLASS
W.H.	WATER HEATER
WMB	WATER METER BOX
W.O.	WHERE OCCURS
W.P.	WATERPROOFING
WP.MEMB.	WATERPROOF MEMBRANE
W.R.	WATER RESISTANT
WRB.	WARDROBE
WSCT.	WAINSCOT
W.S.P.	WET STAND PIPE
WT.	WEIGHT
W.W.F.	WELDED WIRE FABRIC
WV	WATER VALVE
WV_A	WATER VALVE BOX (DIA=0.9')
WVMH	WATER VALVE MANHOLE
&	AND
∠	ANGLE
@	AT
℄	CENTERLINE
[	CHANNEL
'	FLOOR; FEET
"	INCH; INCHES
%	PERCENT
#	POUND; NUMBER
ℙ	PROPERTY LINE

STATE OF HAWAII 1959

Airports Division
DEPARTMENT OF TRANSPORTATION
STATE OF HAWAII

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04/30/24
Licensed Expiration Date

This work was prepared by me or under my supervision.

DSGN.	DRWN.	CHKD.	APPD.

NO.	DATE	REVISIONS

FINAL SUBMITTAL

09/30/22
DATE

PROJECT TITLE :

AIR TRAFFIC CONTROL TOWER REPAIRS

AT
KALAELOA AIRPORT
BARBERS POINT, OAHU, HAWAII

PROJECT NO.:

AO5024-03

SHEET TITLE:

ABBREVIATIONS

DATE : **09/30/22**

SHEET : 3 OF 24 SHEETS

DWG. NO. G002