TYPICAL ABBREVIATIONS

(A) ABOVE
AB ANCHOR BOLT
A/C ASPHALITC CONCRETE
ACI AMERICAN CONCRETE INSTITUTE
ADDL ADDITIONAL
AGGR AGGREGATE
AISC AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AISI AMERICAN IRON AND STEEL INSTITUTE
AITC AMERICAN INSTITUTE OF TIMBER CONSTRUCTION
ALT ALTERNATE
ALUM ALUMINUM
ARCH ARCHITECT, ARCHITECTURAL
@ AT
APPROX APPROXIMATELY
ASCE AMERICAN SOCIETY OF CIVIL ENGINEERS
ASPH ASPHALT
ASTM AMERICAN SOCIETY FOR TESTING MATERIAL
AWS AMERICAN WELDING SOCIETY
& AND

(B) BELOW
B BOTTOM (BEAM AND JOIST SCHEDULES ONLY)
BD BOARD
BITUM BITUMINOUS
BL BUILDING LINE
BLDG BUILDING
BLK BLOCK
BLKG BLOCKING
BOD BOTTOM OF DECK ELEVATION
BM BEAM
BOT BOTTOM
BRG BEARING
BSMT BASEMENT
BTWN BETWEEN

C AMERICAN CHANNELS
CB CATCH BASIN
CG CENTER OF GRAVITY
CJ CONSTRUCTION JOINT
CIP CAST-IN-PLACE
CL CENTER LINE
CJP COMPLETE JOINT PENETRATION
CLKG CAULKING
CLR CLEAR
CMP CORRUGATED METAL PIPE
CMU CONCRETE MASONRY UNIT
CO CLEANOUT, CONCRETE OPENING
COL COLUMN
CONC CONCRETE
CONN CONNECTION
CONSTR CONSTRUCTION
CONT CONTINUOUS
CONTR CONTRACTOR
CTJ, CJ CONTROL JOINT, CONTRACTION JOINT
CTR CENTER
CTSK COUNTERSUNK
CU CUBIC

DBL DOUBLE
DEPT DEPARTMENT
DET DETAIL
DIA OR Ø DIAMETER
DIAA DRILLED-IN ADHESIVE ANCHOR
DIAB DRILLED-IN ADHESIVE BOLT
DIAG DIAGONAL
DIAPH DIAPHRAGM
DIEB DRILLED-IN EXPANSION BOLT
DIM DIMENSION
DN DOWN
do DITTO
DP DEEP
DWG DRAWING
DWL DOWEL

E EAST
EA EACH
EB EXPANSION BOLT
EF EACH FACE
EXJ EXPANSION JOINT
EL ELEVATION (HEIGHT)
ELEC ELECTRICAL
ELEV ELEVATOR
ENCL ENCLOSURE
ENGR ENGINEER
EOD EDGE OF DECK
EQ EQUAL
EQJ EARTHQUAKE JOINT
EQUIP EQUIPMENT
ES EACH SIDE
EW EACH WAY
EXIST, (E) EXISTING
EXP EXPANSION
EXT EXTERIOR

FD FLOOR DRAIN
FDN FOUNDATION
FIN FINISH, FINISHED
FF FINISHED FLOOR, FAR FACE
FLG FLANGE
FLR FLOOR
FLASH FLASHING
FOS FACE OF STUDS
FP FIREPROOF, FULL PENETRATION
FS FINISH SLAB ELEVATION, FAR SIDE
FT OR ' FOOT, FEET
FTG FOOTING
FUT FUTURE
FV FIELD VERIFY

GA GAUGE, GAGE
GALV GALVANIZED
GEN GENERAL
GIRD GIRDER
GL GLUE LAMINATED
GND GROUND
GR GRADE
GWB GYPSUM WALL BOARD
GYP GYPSUM

HDG HOT DIPPED GALVANIZED
HEF HORIZONTAL EACH FACE
HORIZ HORIZONTAL
HP HIGH POINT, HP STEEL SHAPE
HSB HIGH STRENGTH BOLT
HT HEIGHT

IBC INTERNATIONAL BUILDING CODE
ID INSIDE DIAMETER
IE INVERT ELEVATION
IF INSIDE FACE
IN OR " INCH
INCL INCLUDE
INSUL INSULATION, INSULATED, INSULATE
INT INTERIOR

JT JOINT
JST JOIST

K KIP, KIPS
KSI KIPS PER SQUARE INCH

LB OR # POUND
LLBB LONG LEG BACK TO BACK
LLH LONG LEGS HORIZONTAL
LLV LONG LEGS VERTICAL
LONGIT LONGITUDINAL
LP LOW POINT
LSL LONG SLOTTED HOLES
LT LIGHT
LT WT LIGHT WEIGHT
L ANGLE
LVF LOW VELOCITY FASTENERS

M MISCELLANEOUS SHAPE
MAS MASONRY
MATL MATERIAL
MAX MAXIMUM
MC MISCELLANEOUS CHANNEL SECTION
MECH MECHANICAL
MEMB MEMBRANE
MFR MANUFACTURER
MFRG MANUFACTURING
MIN MINIMUM
MISC MISCELLANEOUS
MT STRUCTURAL TEE FROM M SERIES SECTION
MTD MOUNTED
MTL METAL

N NORTH
NDT NON-DESTRUCTIVE TESTING
NF NEAR FACE
NIC NOT IN CONTRACT
No OR # NUMBER
NOM NOMINAL
NS NEAR SIDE
NTS NOT TO SCALE

OA OVERALL
OC ON CENTER
OD OUTSIDE DIAMETER
OF OUTSIDE FACE
OPNG OPENING
OPP OPPOSITE
OVS OVERSIZED

P/C PRECAST
PERP PERPINDICULAR
PJ PANEL JOINT
PL PLATE (STEEL), PROPERTY LINE
PL PLATE (WOOD)
PLCS PLACES
PLWD PLYWOOD
PP PARTIAL PENETRATION
P/S PRESTRESSED
PSF POUNDS PER SQUARE FOOT
PSI POUNDS PER SQUARE INCH
PSL PARALLEL STRAND LUMBER
PT PRESSURE TREATED
P/T POST TENSION
PVC POLYVINYL CHLORIDE
PVMT PAVEMENT

R RADIUS
RD ROOF DRAIN, ROUND
O ROUND
REF REFERENCE
REINF REINFORCING, REINFORCEMENT, REINFORCED
REQD REQUIRED
RO ROUGH OPENING

S AMERICAN STANDARD STEEL SHAPE, SOUTH
SCHED SCHEDULE
SEC- SECTION
SH SHEAR PLATE
SHT SHEET
SHTG SHEETING
SHTHG SHEATHING
SIM SIMILAR
SIP STRUCTURAL INSULATED PANEL
SLBB SHORT LEGS BACK TO BACK
SMS SHEET METAL SCREWS
SP SPIRAL
SPA SPACE, SPACING
SPACES
SPEC SPECIFICATION
SQ SQUARE
SS STAINLESS STEEL
SSL SHORT SLOTTED HOLE
ST STRUCTURAL T FROM S SERIES SECTION
STA STATION
STD STANDARD
STIFF STIFFENED
STIRR STIRRUP
STL STEEL
STRUCT STRUCTURAL
SUP STRUCTURAL USE PANEL
SUPT SUPPORT
SUSP SUSPENDED
SYMM SYMMETRICAL

T TOP
TC TOP OF CURB
T&G TOUNGE AND GROOVE
TEMP TEMPERATURE, TEMPORARY
THK THICK
THRU THROUGH
TOB TOP OF BEAM ELEVATION
TOC TOP OF CONCRETE ELEVATION,
TOP OF CMU ELEVATION
TOF TOP OF FOOTING ELEVATION
TOS TOP OF STEEL ELEVATION
TOW TOP OF WALL ELEVATION
TP TOP OF PAVEMENT
TRANS TRANSVERSE
TS STRUCTURAL TUBE
TYP TYPICAL

UBC UNIFORM BUILDING CODE
UL UNDERWRITERS LABORATORY
UON UNLESS OTHERWISE NOTED
UT ULTRASONIC TEST

VEF VERTICAL EACH FACE
VERT VERTICAL
VIF VERTICAL EACH FACE
VOF VERTICAL OUTSIDE FACE

W WEST, W SERIES SECTION
W/ WITH
W/O WITHOUT
WD WOOD
WH WEEP HOLE
WP WATERPROOF, WORK POINT
WPJ WEAKENED PLANE JOINT
WT WEIGHT, STRUCTURAL TEE FROM W SERIES SECTION
WWF WELDED WIRE FABRIC

YD YARD

GENERAL NOTES

THE FOLLOWING NOTES APPLY UNLESS INDICATED OTHERWISE:

CODE:

INTERNATIONAL BUILDING CODE, 2012 EDITION.
INTERNATIONAL EXISTING BUILDING CODE, 2012 EDITION.

DESIGN LIVE LOADS:

THE FOLLOWING LOADS ARE WHAT WOULD BE REQUIRED IF THIS WERE A RISK CATEGORY IV FACILITY. THIS FACILITY IS ONLY A RISK CATEGORY II FACILITY SO ALL LATERAL FORCE RESISTING SYSTEM WORK IS A VOLUNTARY UPGRADE.

ROOF	Pg = 50 PSF, Pf = 40 PSF I = 1.1, Ce = 0.9, Ct = 1.0
SNOW DRIFT	ASCE 7-10, CHAPTER 7
WIND	160 MPH 3-SECOND GUST RISK CATEGORY III EXPOSURE B (GCpi) = 0.18, qh = 32.0 PSF
SEISMIC	I = 1.25, RISK CATEGORY III Ss = 1.5, S1 = 0.55 SITE CLASS D Sds = 1.0, Sd1 = 0.55, SEISMIC DESIGN CATEGORY D LIGHT FRAME SHEAR WALLS V=49.2K (UNFACTORED) V = 29.5 (FACTORED) Cs = 0.192, R=6.5 EQUIVALENT LATERAL FORCE PROCEDURE

REINFORCED CONCRETE:

ALL CONCRETE - f'c = 4000 PSI, MAXIMUM W/C = 0.45. SUBMIT MIX DESIGN. SEE SPECIFICATIONS FOR ADMIXTURES.

UNLESS OTHERWISE NOTED, REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60. PROVIDE CLASS B SPLICE. SUBMIT REINFORCING STEEL SHOP DRAWINGS WITH DETAILS PER ACI 315 MANUAL OF STANDARD PRACTICE.

CONCRETE COVER:

SLABS ON GRADE 1 1/2".

SLABS ON GRADE:

RIGIDLY SUPPORT BARS WITH CONCRETE BLOCKS OR APPROVED ACCESSORIES.

PROVIDE SLAB REINFORCING AS FOLLOWS:
4" SLAB ON GRADE, #3 @ 15" EACH WAY, 1 1/2" FROM TOP,

DRILL-IN ADHESIVE ANCHORS AT SLAB ON GRADE:

"HIT HY 200" ADHESIVE ANCHOR SYSTEM BY HILTI FASTENING SYSTEMS FOR CONCRETE OR APPROVED EQUAL. ICC-ES CERTIFICATION REQUIRED.

MASONRY:

DRILL-IN ADHESIVE ANCHORS:

SIMPSON STRONG-TIE SET-XP ADHESIVE. SPECIAL INSPECTION REQUIRED.

STRUCTURAL SAWN LUMBER:

LUMBER VISUALLY GRADED AND STAMPED PER WWPA STANDARD GRADING RULES. MOISTURE CONTENT OF LUMBER 2" OR LESS IN THICKNESS - 19 PERCENT MAXIMUM. HEM-FIR SPECIES #2 GRADE.

FRAMING HARDWARE BY SIMPSON STRONG TIE. HOLDDOWN ANCHORS SHALL BE ASTM F1554, GRADE 36 IN SIMPSON STRONG-TIE SET-XP ADHESIVE. SPECIAL INSPECTION REQUIRED.

SHEATHING:

SHEATHING GRADE - CD EXPOSURE 1 WITH EXTERIOR GLUE LAID FACE GRAIN PERPENDICULAR TO SUPPORT.

WALL SHEATHING – ½" THICK, 32/16 SPAN RATING.

PROVIDE 2x4 BLOCKING AT ALL UNSUPPORTED WALL PANEL EDGES.

NAILING AT ALL PANEL EDGES IS AS FOLLOWS:

WALL SHEATHING - 10d @ 6" OC

NAILING AT ALL PANEL INTERMEDIATE SUPPORTS IS AS FOLLOWS:

WALL SHEATHING - 10d @ 12" OC

MISCELLANEOUS:

CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS, MEMBER SIZES AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS ARE INTENDED AS GUIDELINES ONLY AND MUST BE VERIFIED. THE EXISTING CONDITIONS SHOWN ON THE DRAWINGS ARE BASED ON EITHER SITE OBSERVATION, ORIGINAL DRAWINGS OR WERE ASSUMED BASED ON EXPECTED CONDITIONS. IF THE EXISTING CONDITIONS DO NOT CLOSELY MATCH THE CONDITIONS SHOWN ON THE DRAWINGS, OR IF THE EXISTING MATERIALS ARE OF QUESTIONABLE OR SUBSTANDARD QUALITY, NOTIFY THE ARCHITECT PRIOR TO COMMENCING ANY WORK.

SPECIAL INSPECTIONS

SPECIAL INSPECTION:

THE FOLLOWING SPECIAL INSPECTIONS SHALL BE PERFORMED BY QUALIFIED PERSONNEL EMPLOYED BY THE OWNER OR THE OWNER'S AGENT. THE OWNER OR THE OWNER'S AGENT SHALL SUBMIT INSPECTORS' RESUMES TO THE MUNICIPALITY OF ANCHORAGE BUILDING DEPARTMENT FOR APPROVAL. THE CONTRACTOR SHALL COORDINATE WORK WITH THE SPECIAL INSPECTORS.

SPECIAL INSPECTORS SHALL OBSERVE THE WORK ASSIGNED FOR CONFORMANCE WITH APPROVED DESIGN DRAWINGS AND SPECIFICATIONS. INSPECTION REPORTS SHALL BE FURNISHED TO THE MUNICIPALITY OF ANCHORAGE BUILDING DEPARTMENT, OWNER AND THE ARCHITECT. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, AND TO THE ATTENTION OF THE ARCHITECT AND THE ENGINEER OF RECORD.

THE SPECIAL INSPECTORS SHALL SUBMIT A FINAL SIGNED REPORT STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF THE INSPECTORS' KNOWLEDGE, IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE APPLICABLE CODES.

PROVIDE THE FOLLOWING SPECIAL INSPECTIONS PER SECTION 1704 OF THE 2012 INTERNATIONAL BUILDING CODE (IBC):

VERIFICATION AND INSPECTION OF DRILLED ANCHORS:

1. ADHESIVE ANCHORS:
   A. CONTINUOUSLY INSPECT DURING THE DRILLING AND PLACEMENT IN ACCORDANCE WITH THE ADHESIVE ANCHOR MANUFACTURER'S ICC EVALUATION SERVICE REPORT.

STRUCTURAL WOOD:

1. SHEAR WALLS:
   A. PERIODICALLY INSPECT NAILING, BOLTING, AND OTHER FASTENING OF SHEAR WALL INFILLS WITH NAILING SPACING LESS THAN OR EQUAL TO 4" ON CENTER AND ALL HOLDOWNS.

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STATE OF ALASKA 49 TH
COLBY MAYNARD
4-7-2017
SE 13914
REGISTERED STRUCTURAL ENGINEER

PROJECT TITLE: UAA ANSEP ULA RENOVATION
ADDRESS: UNIVERSITY LAKE BUILDING - BUILDING AO 107
OWNER: UNIVERSITY OF ALASKA ANCHORAGE
SHEET TITLE: GENERAL NOTES

NO	DESCRIPTION	DATE

DATE : 2017.04.07
PROJECT NO : 217029
DRAWN BY : JWC
CHECKED BY : CM
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DWG NO: S001

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