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DEAD LOAD + ROOF LIVE LOAD 1.25
DEAD LOAD + WIND LOAD 1.6

WT-18 SERVICEABILITY

ROOF - PITCHED AREAS

MAXIMUM LIVE LOAD DEFLECTION SHALL BE LESS THAN L/240 OR 1.25", WHICHEVER IS LESS.

ROOF - FLAT AREAS

MAXIMUM LIVE LOAD DEFLECTION SHALL BE LESS THAN L/360. TRUSS MANUFACTURER SHALL ACCOUNT FOR A MINIMUM CREEP FACTOR OF 3.0 FLOOR

WT-19 MAXIMUM LIVE LOAD DEFLECTION SHALL BE LESS THAN L/480 FOR FLOOR, BALCONY, BREEZEWAY AND/OR CORRIDOR TRUSSES. TRUSS MANUFACTURER SHALL ACCOUNT FOR A MINIMUM CREEP FACTOR OF 2.5.

WT-20 MAXIMUM LIVE LOAD DEFLECTION SHALL BE LESS THAN L/720 FOR FLOORS SUPPORTING TILE AND/OR STONE OR IN STRICT ACCORDANCE WITH THE TILE COUNCIL OF NORTH AMERICA. TRUSS MANUFACTURER SHALL ACCOUNT FOR A MINIMUM CREEP FACTOR OF 4.0.

WT-21 ROOF TRUSS LOADING:

1. TOP CHORD: LR = REF. TRUSS LOAD SCHEDULE
   DL = REF. TRUSS LOAD SCHEDULE
2. BOTTOM CHORD: DL = REF. TRUSS LOAD SCHEDULE

WT-22 ROOF TRUSS CHORD BRACES SHALL BE A MINIMUM 2X4 AND SHALL BE ATTACHED WITH 2-16d NAILS TO EACH TRUSS.

WT-23 ALL ROOF TRUSS TOP CHORDS SHALL BE MINIMUM 2X6. TRUSS TOP CHORDS LATERAL BRACES MAY BE REMOVED ONCE THE PLYWOOD ROOF DECK IS PROPERLY SECURED.

PA POST-INSTALLED ANCHORS

PA-1 ADHESIVE ANCHOR SYSTEMS USED FOR DESIGN:

ADHESIVE: HILTI HIT-HY 200

THREADED ROD: HILTI HAS (CLEANED HOLE) OR HILTI HIT-Z (UNCLEANED HOLE)

OVERHEAD AND/OR CONSTANT TENSION ADHESIVE ANCHOR INSTALLATIONS NOT SHOWN ON THE DRAWINGS SHALL NOT BE PERMITTED UNLESS EACH CONDITION IS REVIEWED AND APPROVED IN WRITING BY THE SER.

PA-2 PROOF TESTING OF ADHESIVE ANCHORS SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. UNLESS NOTED OTHERWISE, ADHESIVE ANCHOR PROOF TENSION LOADS SHALL BE PER THE ADHESIVE ANCHOR PROOF SCHEDULES.

PA-3 FIELD DRILLED EXPANSION ANCHOR SYSTEMS USED FOR DESIGN.

HILTI KWIK BOLT TZ

PA-4 PROOF TESTING OF EXPANSION ANCHORS SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. UNLESS NOTED OTHERWISE, EXPANSION ANCHOR PROOF TORQUE LOADS SHALL BE PER THE EXPANSION ANCHOR PROOF SCHEDULES.

PA-5 FIELD DRILLED THREADED SCREW ANCHOR SYSTEMS USED FOR DESIGN:

HILTI KH-EZ

PA-6 ALTERNATIVE SYSTEM EQUIVALENT TO OR EXCEEDING THE PROPERTIES OF THE SYSTEMS ABOVE WILL BE CONSIDERED AS A SUBSTITUTION REQUEST. SEE PROJECT SPECIFICATIONS.

PA-7 ANCHOR SIZE AND EMBEDMENT ARE TO BE AS SPECIFICALLY NOTED ON THE STRUCTURAL DRAWINGS FOR EACH TYPICAL APPLICATION. IF SIZE AND EMBEDMENT ARE NOT SHOWN, CONSULT WITH SER.

PA-8 INSTALL ANCHORS TO MEET THE REQUIREMENTS INDICATED IN THE CONTRACT DOCUMENTS AND THE CURRENT MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS (MFII).

PA-9 LOCATE, BY NON-DESTRUCTIVE MEANS, AND AVOID ALL EXISTING REINFORCEMENT PRIOR TO INSTALLATION OF ANCHORS. IF EXISTING REINFORCING LAYOUT PROHIBITS THE INSTALLATION OF ANCHORS AS INDICATED ON THE DRAWINGS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGN PROFESSIONALS.

PA-10 INSTALL MASONRY ANCHORS IN SOLID MASONRY OR IN HOLLOW MASONRY THAT HAS BEEN GROUTED SOLID AT LEAST ONE COURSE ABOVE TO ONE COURSE BELOW THE ANCHOR, UON.

PA-11 SEE PROJECT SPECIFICATIONS FOR POST-INSTALLED ANCHOR INSPECTION REQUIREMENTS.

BN BID NOTES

BN-1 THE CONTRACTOR'S AND ALL SUBCONTRACTOR'S BIDS SHALL INCLUDE ADD/DEDUCT UNIT PRICES FOR EACH OF THE ITEMS LISTED. THE COST FOR ANY UNUSED PORTIONS OF THE LISTED QUANTITIES SHALL BE CREDITED TO THE OWNER.

BN-2 THIS MATERIAL SHALL BE IN ADDITION TO THAT INDICATED ON THE CONTRACT DOCUMENTS. THE BID PRICE SHALL PROVIDE FOR THE DETAILING, FABRICATION, DELIVERY, AND INSTALLATION OF THE MATERIAL IN THE BUILDING IN SUCH SIZES AND FORMS AS THE DESIGN PROFESSIONALS MAY DIRECT, WITHOUT ADDITIONAL COST TO THE OWNER.

BN-3 THE REINFORCED CONCRETE SUBCONTRACTOR SHALL INCLUDE IN THE BASE BID THE IN-PLACE COST OF THE FOLLOWING ITEMS:

A. [XX] CUBIC YARDS OF NORMALWEIGHT CONCRETE (f'c= [X,XXX] PSI).
B. [XX] TONS OF REINFORCING BARS - SIZES #4 THROUGH #9.
C. [XX] TONS OF REINFORCING BARS - SIZES #10 AND #11.

BN-4 CONTRACT DOCUMENTS ISSUED FOR BID ARE NOT ISSUED FOR CONSTRUCTION UNLESS SPECIFICALLY NOTED AS "ISSUED FOR CONSTRUCTION".

ABBREVIATION	DESCRIPTION
ADDL	ADDITIONAL
ADJ	ADJACENT
ALT	ALTERNATE
APPRX	APPROXIMATE
ARCH	ARCHITECT OR ARCHITECTURAL
B/	BOTTOM OF
B/B	BACK TO BACK
BAL	BALANCE
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BM	BEAM
BOT	BOTTOM
BRDG	BRIDGING
BRG	BEARING
BTWN	BETWEEN
C	COMPRESSION
C/C	CENTER TO CENTER
CIP	CAST-IN-PLACE
CL	CENTER LINE
CLR	CLEAR OR CLEARANCE
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
COMP	COMPRESSION
CONC	CONCRETE
CONN	CONNECTION(S)
CONST	CONSTRUCTION
CONT	CONTINUOUS
db	REINFORCING BAR DIAMETER
DBL	DOUBLE
DCW	DEMAND CRITICAL WELD
DEG	DEGREE(S)
DET	DETAIL
DIA	DIAMETER
DIAG	DIAGONAL
DIM(S)	DIMENSION(S)
DL	DEAD LOAD
DWG(S)	DRAWING(S)
DWL	DOWEL(S)
EA	EACH
ECC	ECCENTRICITY
EF	EACH FACE
EL	ELEVATION
ELEC	ELECTRICAL
ENGR	ENGINEER
EOD	EDGE OF DECK
EOS	EDGE OF SLAB
EQ	EQUAL
EQUIP	EQUIPMENT
EW	EACH WAY
EXP	EXPANSION
EXST	EXISTING
EXT	EXTERIOR
F/F	FACE TO FACE
FIN	FINISH(ED)
FLR	FLOOR
FND	FOUNDATION
FP	FIREPROOF(ING)
FS	FAR SIDE
FTG	FOOTING
GA	GAGE, GAUGE
GALV	GALVANIZED
GB	GRADE BEAM
GEN	GENERAL
GR	GRADE
HK	HOOK
HORIZ	HORIZONTAL
HP	HIGH POINT
HT	HEIGHT
ID	INSIDE DIAMETER
IF	INSIDE FACE
INFO	INFORMATION
INT	INTERIOR
INTRM	INTERMEDIATE
JST(S)	JOIST(S)
JT	JOINT
K	KIPS (1,000 POUNDS)
KLF	KIP PER LINEAR FOOT
KSF	KIP PER SQUARE FOOT
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL

ABBREVIATION	DESCRIPTION
LLV	LONG LEG VERTICAL
LONG	LONGITUDINAL
LP	LOW POINT
LW	LIGHTWEIGHT
LWC	LIGHTWEIGHT CONCRETE
M	MOMENT
MATL	MATERIAL
MAX	MAXIMUM
MC	MOMENT CONNECTION(S)
MECH	MECHANICAL
MEP	MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION
MEZZ	MEZZANINE
MFR	MANUFACTURER
MID	MIDDLE
MIN	MINIMUM
MISC	MISCELLANEOUS
N/A	NOT APPLICABLE / NONE
NIC	NOT IN CONTRACT
NO.	NUMBER
NOM	NOMINAL
NS	NEAR SIDE
NTS	NOT TO SCALE
NW	NORMAL WEIGHT
NWC	NORMALWEIGHT CONCRETE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OH	OPPOSITE HAND
OPNG(S)	OPENING(S)
OPP	OPPOSITE
OSL	OUTSTANDING LEG
PC	PIECE
PCY	POUNDS PER CUBIC YARD
PERP	PERPENDICULAR
PG	PLATE GIRDER
PL	PLATE
PRC	PRECAST
PRLL	PARALLEL
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POINT OR POST-TENSION(ED) OR (ING)
RAD	RADIUS
REF	REFERENCE
REINF	REINFORCE(D) (ING) OR (MENT)
REQD	REQUIRED
S&T	SHRINKAGE AND TEMPERATURE
SCHED	SCHEDULE(D)
SDL	SUPERIMPOSED DEAD LOAD
SECT	SECTION
SER	STRUCTURAL ENGINEER OF RECORD
SF	SQUARE FOOT (FEET)
SHT	SHEET
SIM	SIMILAR
SLRS	SEISMIC LOAD RESISTING SYSTEM
SOG	SLAB ON GRADE
SP	SPACE
SPEC(S)	SPECIFICATION(S)
STD	STANDARD
STL	STEEL
STR	STRUCTURE
STRCTL	STRUCTURAL
SYM	SYMMETRICAL
T	TENSION
T&B	TOP AND BOTTOM
T/	TOP OF
TEMP	TEMPERATURE OR TEMPORARY
TEN	TENSION
THK	THICK OR THICKNESS
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
V	SHEAR
VERT	VERTICAL
V/F	VERIFY IN FIELD
W/	WITH
W/O	WITHOUT
WD	WOOD
WP	WORK POINT
WPFG	WATERPROOFING
WS	WATERSTOP
WWR	WELDED WIRE REINFORCEMENT

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DEREK WASSINK LICENSE No. 55303 STATE OF FLORIDA PROFESSIONAL ENGINEER

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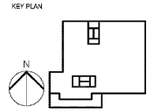

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