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GENERAL

A. THE FOLLOWING NOTES APPLY TO ALL STRUCTURAL DRAWINGS. NOTES SHALL APPLY UNLESS OTHERWISE INDICATED BY STRUCTURAL DRAWINGS OR SPECIFICATIONS.

B. WHERE A DETAIL, TYPICAL DETAIL, SECTION, TYPICAL SECTION OR PLAN NOTE IS SHOWN FOR ONE CONDITION, IT SHALL APPLY FOR ALL SIMILAR OR LIKE CONDITIONS UNLESS NOTED OTHERWISE.

C. NO PROVISION OF ANY REFERENCED STANDARD SPECIFICATION, MANUAL OR CODE (WHETHER OR NOT SPECIFICALLY INCORPORATED BY REFERENCE IN THE CONSTRUCTION DOCUMENTS) SHALL BE EFFECTIVE TO CHANGE THE DUTIES AND RESPONSIBILITIES OF OWNER, CONTRACTOR, ENGINEER, SUPPLIER, OR ANY OF THEIR CONSULTANTS, AGENTS, OR EMPLOYEES FROM THOSE SET FORTH IN THE CONSTRUCTION DOCUMENTS. NOR SHALL IT BE EFFECTIVE TO ASSIGN TO THE STRUCTURAL ENGINEER OF RECORD OR ANY OF THE STRUCTURAL ENGINEER OF RECORD'S CONSULTANTS, AGENTS, OR EMPLOYEES ANY DUTY OR AUTHORITY TO SUPERVISE OR DIRECT THE FURNISHING OR PERFORMANCE OF THE WORK OR ANY DUTY OR AUTHORITY TO UNDERTAKE RESPONSIBILITIES CONTRARY TO THE PROVISIONS OF THE CONSTRUCTION DOCUMENTS.

D. CONSTRUCTION DOCUMENTS INCLUDE, BUT ARE NOT LIMITED TO, THE STRUCTURAL DOCUMENTS (DRAWINGS AND SPECIFICATIONS), BUT DO NOT INCLUDE SHOP DRAWINGS, VENDOR DRAWINGS, OR MATERIAL PREPARED AND SUBMITTED BY THE GENERAL CONTRACTOR.

E. CONSTRUCTION DOCUMENTS SHALL GOVERN IN THE EVENT OF A CONFLICT WITH THE CODE OF PRACTICE OR SPECIFICATIONS OF ACI, PCI, AISC, SJI OR OTHER STANDARDS, WHERE A CONFLICT OCCURS WITHIN THE CONSTRUCTION DOCUMENTS, THE STRICTEST REQUIREMENT SHALL GOVERN.

F. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS AND NOTIFY ARCHITECT/STRUCTURAL ENGINEER OF RECORD OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH WORK. FOR DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS, SEE ARCHITECTURAL DRAWINGS.

G. DO NOT SCALE FOR DIMENSIONS NOT SHOWN ON DRAWINGS. SEND WRITTEN REQUEST FOR INFORMATION TO THE ARCHITECT FOR DIMENSIONS NOT PROVIDED.

H. THE STRUCTURE SHOWN ON THESE DRAWINGS IS SELF-SUPPORTING ONLY IN ITS COMPLETED FORM. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE DESIGN, ADEQUACY, SAFETY, AND STABILITY OF TEMPORARY ERECTION BRACING AND SHORING.

I. NO PROVISIONS HAVE BEEN MADE IN THE DESIGN FOR THE SUPPORT OF A CONCENTRATED LOAD FROM PLUMBING, MECHANICAL, OR HVAC EXCEPT AS SHOWN ON THE DRAWINGS.

J. THE GENERAL CONTRACTOR SHALL COORDINATE ALL SIZES AND LOCATIONS OF FLOOR, ROOF, AND WALL PENETRATIONS WITH MECHANICAL AND ARCHITECTURAL DRAWINGS. ALL PENETRATIONS NOT SHOWN ON STRUCTURAL DRAWINGS MUST BE APPROVED BY THE STRUCTURAL ENGINEER OF RECORD UNLESS NOTED OTHERWISE.

K. THE GENERAL CONTRACTOR SHALL VERIFY THAT MISCELLANEOUS FRAMING SHOWN ON THE STRUCTURAL DRAWINGS FOR MECHANICAL EQUIPMENT, OWNER-FURNISHED ITEMS, PARTITIONS, ETC. IS CONSISTENT WITH THE REQUIREMENTS OF SUCH ITEMS.

L. ELEVATIONS SHOWN ARE TO TOP OF FOUNDATIONS, SLABS OR STEEL BEAMS UNLESS NOTED OTHERWISE.

M. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES IN ORDER TO COMPLY WITH THE CONSTRUCTION DOCUMENTS.

N. THE GENERAL CONTRACTOR HAS SOLE RESPONSIBILITY TO COMPLY WITH ALL APPLICABLE OSHA REGULATIONS.

O. ALL TESTING SHALL BE PAID FOR BY THE OWNER (CONTRACTOR SHALL COORDINATE WITH OWNER TO ENSURE THAT COST OF TESTING IS ACCURATE AND PRESENTED TO OWNER WITH CONSTRUCTION COSTS).

SHOP DRAWINGS AND DEFERRED SUBMITTALS

A. STRUCTURAL DRAWINGS INDICATE TYPICAL AND CERTAIN SPECIFIC CONDITIONS ONLY. SHOP DRAWINGS SHALL DETAIL ALL CONDITIONS IN ACCORDANCE WITH SPECIFIED STANDARDS AND THE SPECIFIC REQUIREMENTS OF THIS PROJECT AS INDICATED IN THE CONSTRUCTION DOCUMENTS.

B. THE GENERAL CONTRACTOR SHALL SUBMIT, AS REQUIRED, PRINTS OR ELECTRONIC COPIES, AS DIRECTED, OF SHOP DRAWINGS FOR ALL FABRICATED MATERIALS TO ARCHITECT FOR REVIEW.

C. REVIEW OF SHOP DRAWINGS BY THE ARCHITECT/STRUCTURAL ENGINEER OF RECORD DOES NOT RELIEVE THE GENERAL CONTRACTOR OF THE SOLE RESPONSIBILITY FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF THOSE SHOP DRAWINGS.

D. REPRODUCTION/DUPLICATION OF THE STRUCTURAL DRAWINGS FOR USE IN THE PRODUCTION OF SHOP DRAWINGS IS PROHIBITED, UNLESS NOTED OTHERWISE, IN THE EVENT THAT THE GENERAL CONTRACTOR OR SUBCONTRACTOR ELECTS TO PRODUCE SHOP DRAWINGS BY COPYING ELECTRONIC OR PAPER COPIES OF THE STRUCTURAL DRAWINGS, THE CONTRACTOR SHALL REQUEST FROM THE STRUCTURAL ENGINEER OF RECORD A SHOP DRAWING WAIVER ALONG WITH THE SPECIFIC SHEETS REQUIRED. SIGNATURE OF THE WAIVER BY THE GENERAL CONTRACTOR, ALONG WITH PAYMENT OF A FEE TO THE STRUCTURAL ENGINEER OF RECORD WILL BE REQUIRED. THE GENERAL CONTRACTOR SHALL CONTINUE TO ASSUME RESPONSIBILITY FOR ERRORS, OMISSIONS AND COORDINATION REQUIRED FOR SHOP DRAWING PRODUCTION, REGARDLESS OF THE USE OF COPIES OF THE STRUCTURAL DRAWINGS FOR SHOP DRAWING PRODUCTION.

E. THE STRUCTURAL ENGINEER OF RECORD HAS DELEGATED THE DESIGN OF SYSTEMS NOT SHOWN IN THE STRUCTURAL DRAWINGS. SUCH SYSTEMS SHALL BE CONSIDERED DEFERRED SUBMITTALS.

F. DEFERRED SUBMITTALS SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER (STRUCTURAL ENGINEER WHERE REQUIRED BY JURISDICTION) LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED. SUBMITTALS SHALL CLEARLY INDICATE ALL LOADS AND REACTIONS TO BE IMPOSED ON THE PRIMARY STRUCTURE. SUBMITTALS SHALL INCLUDE ALL COMPONENTS AND CONNECTIONS, WHERE CONTRACT DOCUMENTS INDICATE MEMBER OR CONNECTION QUALITIES AND/OR QUANTITIES, THESE SHALL BE CONSIDERED A MINIMUM AND REMAIN THE DESIGN RESPONSIBILITY OF THE COMPONENT ENGINEER TO INCREASE AS REQUIRED TO SATISFY LOAD AND DEFLECTION REQUIREMENTS. DEFERRED SUBMITTALS SHALL INCLUDE CALCULATIONS. BOTH THE CALCULATIONS AND THE SHOP DRAWINGS OF THE DEFERRED SUBMITTAL SHALL BE SEALED PRIOR TO SUBMISSION.

G. DEFERRED SUBMITTALS SHALL BE SUBMITTED TO THE LOCAL AUTHORITY HAVING JURISDICTION AFTER APPROVAL BY THE CONTRACTOR.

- STEEL CONNECTIONS

- OPEN WEB STEEL JOISTS

- COLD-FORMED STEEL FRAMING

- SEISMIC DESIGN AND ANCHORAGE OF NON-STRUCTURAL COMPONENTS

- ANCHORAGE OF ROOFTOP EQUIPMENT FOR WIND AND SEISMIC FORCES

- PRE-ENGINEERED WOOD TRUSSES

- GLAZING SYSTEMS

I. ALL COMPONENTS ATTACHED TO THE BUILDING STRUCTURE (CLADDING, GLAZING, STAIRS, ETC.) SHALL BE DESIGNED AND DETAILED TO ACCOMMODATE THE BUILDING'S INELASTIC SEISMIC STORY DRIFTS. DESIGN DRIFT SHALL BE TAKEN AS FOLLOWS, UNO:

- 0.02 x H

WHERE H IS THE STORY HEIGHT IN INCHES.

SUSPENDED LOADS AT STRUCTURE

A. ATTACHMENT TO ROOF DECK FOR ANY SUSPENDED LOADS IS PROHIBITED WITHOUT WRITTEN APPROVAL FROM ARCHITECT/STRUCTURAL ENGINEER OF RECORD.

B. PIPE HANGERS SHALL BE ATTACHED TO THE TOP FLANGES OF JOISTS OR BEAMS WITH APPROVED CLAMPS/CONNECTIONS.

C. ALL MULTIPLE TIER CABLE TRAYS, PIPE RACKS OR GROUPS OF PIPES OR DUCTS SHALL BE SUPPORTED FROM EACH ROOF FRAMING MEMBER WHERE THE GROUP CROSSES THE MEMBER OR AT 8'-0" OC MAX (TYPICAL) AND AT 6'-0" OC MAX FOR WOOD WHERE GROUP IS ORIENTED PARALLEL TO THE MEMBER, UNLESS NOTED OTHERWISE ON DRAWINGS.

D. HANGERS SHALL BE ADDED AT ALL PIPE VALVE AND FITTING LOCATIONS.

E. CONTRACTORS AND SUBCONTRACTORS SUSPENDING LOADS FROM STRUCTURE SHALL ACCOUNT FOR AND PROVIDE ALL CONNECTIONS, STRUTS, TIES AND RIGGING REQUIRED FOR COMPLETE INSTALLATION AND SHALL FURNISH DRAWINGS SHOWING POINTS OF SUPPORT, SUPPORT LOADS AND ALL REQUIRED SUPPLEMENTAL BRACING. PROVIDE SUPPORTS AND HANGERS AS REQUIRED FOR PIPING AND EQUIPMENT SO THAT ALL COMBINED LOADING SHALL NOT EXCEED ALLOWABLE LOADINGS OF STRUCTURE AS SHOWN ON STRUCTURAL DRAWINGS. SUPPORT LOCATIONS SHALL BE COORDINATED WITH OTHER TRADES AND SHALL BE INSTALLED IN ACCORDANCE WITH SPECIFICATIONS OF THE ITEMS SUPPORTED.

F. EXPENSE RESULTING FROM IMPROPER COORDINATION OR LOCATION OF ANCHOR BOLTS, OPENINGS, SLEEVES, INSERTS, HANGERS OR OTHER SUPPORTS REQUIRED FOR PIPING AND EQUIPMENT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

EXISTING CONDITIONS

A. THE GENERAL CONTRACTOR SHALL SURVEY THE EXISTING STRUCTURE TO DETERMINE THAT ALL MODIFICATIONS AS INDICATED IN THE CONSTRUCTION DOCUMENTS ARE FEASIBLE AND PRACTICAL AND SHALL REPORT ANY DISCREPANCIES OR UNUSUAL CONDITIONS TO THE ARCHITECT/STRUCTURAL ENGINEER OF RECORD.

B. WHEN EXISTING FRAMING IS SHOWN ON THE STRUCTURAL DRAWINGS IT IS FOR REFERENCE ONLY AS IT RELATES TO THE STRUCTURAL SCOPE OF WORK. THE STRUCTURAL DRAWINGS ARE NOT INTENDED TO BE A COMPREHENSIVE REPRESENTATION OF THE AS-BUILT EXISTING STRUCTURE.

C. REFERENCE DOCUMENTS FOR THIS PROJECT INCLUDE:

1. ORIGINAL STRUCTURAL DRAWINGS DATED 9/18/1997, ISSUED FOR CONSRUCTION, BY DESIGN ASSOCIATES ARCHITECTS, INC.

2. ORIGINAL ARCHITECTURAL DRAWINGS DATED 9/18/1997, ISSUED FOR CONSRUCTION, BY DESIGN ASSOCIATES ARCHITECTS, INC.

3. ARCHITECTURAL DRAWINGS FOR LOBBY ADDITION DATED 9/10/2007, ISSUED FOR CONSRUCTION, BY DIMERY ASSOCIATES ARCHITECTS

D. WHERE PORTIONS OF THE NEW CONSTRUCTION ARE INDICATED TO FIT TO EXISTING CONSTRUCTION, THE GENERAL CONTRACTOR SHALL VERIFY DIMENSIONS OF EXISTING CONSTRUCTION BY FIELD MEASUREMENTS BEFORE SUBMISSION OF SHOP DRAWINGS AND FABRICATION.

E. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES IN THE AREA OF CONSTRUCTION THAT MIGHT BE AFFECTED BY OR OTHERWISE INTERFERE WITH INSTALLATION OF NEW WORK. THIS INCLUDES THOSE THAT MIGHT BE DAMAGED BY NEW FOUNDATION OR OTHER WORK, AND THOSE WHOSE PRESENCE MIGHT LEAD TO DAMAGE TO THE NEW WORK (SUCH AS DIFFERENTIAL SETTLEMENT, ETC.).

SPECIAL INSPECTIONS

A. SPECIAL INSPECTIONS ARE REQUIRED IN ADDITION TO THE INSPECTIONS SPECIFIED IN SECTION 110 OF THE BUILDING CODE.

B. ALL SPECIAL INSPECTIONS SHALL BE IN ACCORDANCE WITH THE SUPPLEMENTAL SPECIAL INSPECTIONS PACKAGE.

SEISMIC DESIGN OF NON-STRUCTURAL COMPONENTS

A. ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS, INCLUDING THEIR SUPPORT AND ATTACHMENTS, SHALL BE DESIGNED TO RESIST SEISMIC FORCES IN ACCORDANCE WITH IBC CHAPTER 16, ASCE7 CHAPTER 13, AND ANY ADDITIONAL REQUIREMENTS OF THE STATE OR LOCAL JURISDICTION. THESE REQUIREMENTS SHALL BE SATISFIED BY:

1. PROJECT-SPECIFIC DESIGN AND DOCUMENTATION PREPARED AND SUBMITTED BY A REGISTERED DESIGN PROFESSIONAL IN THE STATE IN WHICH THE PROJECT IS LOCATED.

2. SUBMITTAL OF MANUFACTURER'S CERTIFICATION THAT THE COMPONENT IS SEISMICALLY QUALIFIED BY ANALYSIS, TESTING IN ACCORDANCE WITH SECTION 13.2.5, OR EXPERIENCE DATA IN ACCORDANCE WITH SECTION 13.2.8

B. SEISMIC BRACING OF ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS NOT SPECIFICALLY SHOWN IN THE CONTRACT DOCUMENTS SHALL BE DESIGNED BY A REGISTERED DESIGN PROFESSIONAL IN THE STATE IN WHICH THE PROJECT IS LOCATED.

C. ARCHITECTURAL COMPONENTS REQUIRING SEISMIC DESIGN AND DETAILING INCLUDE, BUT ARE NOT LIMITED TO, ACCESS FLOORS, CLADDING, GLAZING, PARTIAL HEIGHT INTERIOR WALLS, HANGING PARTITIONS, SUSPENDED CEILINGS, AND INTERIOR/EXTERIOR VENEER.

D. MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS REQUIRING SEISMIC DESIGN AND DETAILING INCLUDE, BUT ARE NOT LIMITED TO, DUCTS, LIGHT FIXTURES, PIPING SYSTEMS, ROOF TOP UNITS, AND OTHER EQUIPMENT SUPPORTED BY OR SUSPENDED FROM FLOORS OR ROOFS.

E. ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS CROSSING BUILDING EXPANSION JOINTS SHALL BE DETAILED IN ORDER TO ACCOMMODATE THE ANTICIPATED SEISMIC RELATIVE DISPLACEMENTS ACROSS THE JOINT.

WIND DESIGN OF NON-STRUCTURAL COMPONENTS

A. REFER TO THE WIND COMPONENTS AND CLADDING SCHEDULE ON SHEET S002 FOR WIND PRESSURES TO BE USED FOR THE DESIGN OF EXTERIOR COMPONENT AND CLADDING MATERIALS NOT SPECIFICALLY DESIGNED BY THE STRUCTURAL ENGINEER OF RECORD.

SOILS, SHALLOW FOUNDATIONS, & RETAINING WALLS

A. THE SITE SHALL BE PREPARED IN ACCORDANCE WITH SPECIFICATIONS AND THE CIVIL DRAWINGS. THE STRUCTURAL DESIGN IS BASED ON RECOMMENDATIONS CONTAINED IN THE REPORT OF SUBSURFACE INVESTIGATION BY MC SQUARED, LLC PROJECT NO. A082405 125 DATED JANUARY 9, 2025. THE GENERAL CONTRACTOR SHALL OBTAIN A COPY OF THE REPORT AND REVIEW THE RECOMMENDATIONS AND REQUIREMENTS INCLUDED THEREIN FOR THE SELECTED FOUNDATION SYSTEM IN THE CONSTRUCTION DOCUMENTS. A QUALIFIED GEOTECHNICAL ENGINEER SHALL VERIFY ALL ASSUMPTIONS AND REPORT TO THE ARCHITECT AND STRUCTURAL ENGINEER OF RECORD ANY VARIATIONS.

B. DESIGN SOIL BEARING PRESSURE IS 3000 PSF.

C. DESIGN SOIL LATERAL PRESSURES ON STRUCTURE ARE DUE TO THE FOLLOWING EQUIVALENT FLUID DENSITIES:

1. AT REST CONDITION: 55 PCF

2. ACTIVE CONDITION: 37 PCF

3. PASSIVE CONDITION: 151 PCF (FS = 2.0)

4. COEFFICIENT OF FRICTION FOR SLIDING: 0.37

D. ALL EXCAVATIONS AND GRADES PREPARED FOR BEARING SHALL BE INSPECTED BY A QUALIFIED GEOTECHNICAL ENGINEER TO VERIFY THE DESIGN ASSUMPTIONS AND REPORT NONCONFORMING CONDITIONS.

E. WHERE FILL IS REQUIRED, IT SHALL BE SELECTED AND PLACED IN ACCORDANCE WITH INSTRUCTIONS OF A QUALIFIED GEOTECHNICAL ENGINEER TO MAINTAIN DESIGN BEARING PRESSURE.

F. FROST DEPTH FOR THIS PROJECT IS 12" BELOW GRADE. FINISHED GRADE SHALL BE MAINTAINED A MINIMUM OF 12" ABOVE TOP OF FOUNDATIONS.

G. TOP OF FOOTING ELEVATIONS PROVIDED ON CONSTRUCTION DRAWINGS ARE FOR PURPOSES OF DESIGN, NOTIFY THE STRUCTURAL ENGINEER OF RECORD IF TOP OF FOOTING ELEVATIONS NEED TO BE ADJUSTED BASED ON CONTRACTOR'S FIELD COORDINATION.

1. GENERAL CONTRACTOR SHALL COORDINATE REQUIRED ADJUSTMENT OF FOOTING ELEVATIONS TO AVOID INFLUENCE BETWEEN FOUNDATIONS AND BURIED UTILITIES. ALL REQUIRED ADJUSTMENTS SHALL BE FORWARDED TO THE STRUCTURAL ENGINEER OF RECORD FOR REVIEW. SEE "TYPICAL TRENCH ADJACENT TO FOOTING" SECTION.

H. DO NOT EMBED PIPING WITHIN OR PASS PIPING VERTICALLY OR HORIZONTALLY THROUGH FOUNDATIONS WITHOUT REVIEW AND APPROVAL BY THE STRUCTURAL ENGINEER OF RECORD. PIPING MAY PASS BELOW CONTINUOUS FOOTINGS WHERE INSTALLED IN ACCORDANCE WITH "TYPICAL PIPE UNDER WALL FOOTING" SECTION.

I. FOOTINGS SHALL BE CENTERED ABOUT COLUMN LINES UNLESS NOTED OTHERWISE.

J. THE DESIGN OF WALLS RETAINING EARTH ASSUMES DRAINAGE SYSTEM IS IN PLACE, AND DOES NOT INCLUDE HYDROSTATIC PRESSURE LOADS UNLESS SPECIFICALLY NOTED ON THE STRUCTURAL DRAWINGS. THE GENERAL CONTRACTOR SHALL PROVIDE DRAINAGE SYSTEM IN ALL BACKFILL CONDITIONS (SEE CIVIL/ARCHITECTURAL DRAWINGS FOR DRAINAGE SPECIFICATIONS).

K. THE DESIGN OF WALLS RETAINING EARTH DOES NOT INCLUDE SURCHARGE LOADS THAT MAY BE INDUCED FROM CONSTRUCTION ACTIVITIES. SEE GENERAL NOTES SECTION REGARDING GENERAL CONTRACTOR'S RESPONSIBILITIES FOR TEMPORARY ERECTION BRACING AND SHORING.

L. BACKFILL SHALL NOT BE PLACED AGAINST WALLS UNTIL THE WALLS HAVE ACHIEVED SPECIFIED DESIGN STRENGTH. BACKFILL AGAINST WALLS SHALL BE DEPOSITED EVENLY IN 12" TO 18" LIFTS AGAINST BOTH SIDES OF WALL UNTIL THE LOWER FINAL GRADE IS REACHED.

1. UNLESS SPECIFICALLY NOTED AS "CANTILEVERED" ON STRUCTURAL DRAWINGS, WALLS RETAINING EARTH SHALL NOT BE BACKFILLED AGAINST UNTIL STRUCTURAL SLABS PROVIDING LATERAL RESTRAINT FOR THE WALLS HAVE BEEN INSTALLED AND HAVE REACHED SPECIFIED DESIGN STRENGTH. WHERE THIS CANNOT BE ACCOMMODATED THE WALL SHALL BE SHORED CONTINUALLY.

STRUCTURAL SHEET LIST

SHEET NUMBER

SHEET NAME

S001

GENERAL NOTES & SCHEDULES

S002

DESIGN CRITERIA

S002A

LOAD MAPS

S003

CONCRETE GENERAL NOTES & SCHEDULES

S005

STEEL GENERAL NOTES & SCHEDULES

S006

WOOD GENERAL NOTES

S101

FOUNDATION PLAN

S102

LEVEL 2 FRAMING PLAN

S103

ROOF FRAMING PLAN

S201

WOOD WALL ELEVATIONS

S202

WOOD SHEAR WALL ELEVATIONS

S301

FOUNDATION DETAILS

S311

SLAB-ON-GROUND DETAILS

S312

SLAB-ON-GROUND DETAILS

S313

SLAB-ON-GROUND DETAILS

S501

STEEL FRAMING DETAILS

S511

COMPOSITE STEEL FRAMING DETAILS

S512

COMPOSITE STEEL FRAMING DETAILS

S513

COMPOSITE STEEL FRAMING DETAILS

S521

STEEL ROOF FRAMING DETAILS

S522

STEEL ROOF FRAMING DETAILS

S523

STEEL ROOF FRAMING DETAILS

S601

WOOD ROOF FRAMING DETAILS

S602

WOOD ROOF FRAMING DETAILS

S611

WOOD SHEAR WALL AND DIAPHRAGM DETAILS

ABBREVIATIONS

ACI

AMERICAN CONCRETE INSTITUTE

KLF

KIPS PER LINEAL FOOT

ADDL

ADDITIONAL

KO

KNOCKOUT

AESS

ARCHITECTURAL EXPOSED STRUCTURAL STEEL

KSI

KIPS PER SQUARE INCH

AFF

ABOVE FINISHED FLOOR

KSF

KIPS PER SQUARE FOOT

AISC

AMERICAN INSTITUTE OF STEEL CONSTRUCTION

L

LENGTH

AISI

AMERICAN IRON AND STEEL INSTITUTE

LFH

LONG FACE HORIZONTAL

ALTN

ALTERNATE

LFV

LONG FACE VERTICAL

AR

ANCHOR ROD

LG

LONG

ARCH

ARCHITECT

LL

LIVE LOAD

ASD

ALLOWABLE STRESS DESIGN

LLH

LONG LEG HORIZONTAL

ASTM

AMERICAN SOCIETY OF TESTING AND MATERIALS

LLV

LONG LEG VERTICAL

AWS

AMERICAN WELDING SOCIETY

LO

LOW

B/

BOTTOM OF

LOCs

LOCATIONS

BD

BOARD

LRFD

LOAD RESISTANCE FACTORED DESIGN

BETW

BETWEEN

LSH

LONG SIDE HORIZONTAL

BLDG

BUILDING

LSV

LONG SIDE VERTICAL

BM

BEAM

LW

LONG WAY

BOT

BOTTOM

LWC

LIGHT WEIGHT CONCRETE

BP

BASE PLATE

MAX

MAXIMUM

BRDG

BRIDGING

MEP

MECHANICAL, ELECTRICAL & PLUMBING

BRG

BEARING

MEZZ

MEZZANINE

C/C

CENTER-CENTER

MFR

MANUFACTURER

CFSF

COLD FORMED STEEL FRAMING

MIN

MINIMUM

CIP

CAST-IN-PLACE

MISC

MISCELLANEOUS

CJ

CONTROL JOINT

MPII

MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS

CL

CENTERLINE

MTL

METAL

CLR

CLEAR

NIC

NOT IN CONTRACT

CMU

CONCRETE MASONRY UNIT

NS

NEAR SIDE

COL

COLUMN

NTS

NOT TO SCALE

CONC

CONCRETE

OC

ON CENTER

CONN

CONNECTION

OD

OUTSIDE DIAMETER

CONT

CONTINUOUS

OH

OPPOSITE HAND

CTR

CENTER

OPEN

OPENING

D

DEEP

PAF

POWDER ACTUATED FASTENERS

DBA

DEFORMED BAR ANCHOR

PCF

POUNDS PER CUBIC FOOT

DBL

DOUBLE

PEMB

PRE-ENGINEERED METAL BUILDING

DEP

DEPRESSED

PJF

PREFORMED JOINT FILLER

DIA

DIAMETER

PL

PLATE

DIAG

DIAGONAL

PLF

POUNDS PER LINEAL FOOT

DL

DEAD LOAD

PPHCC

PRESTRESSED PRECAST HOLLOW CORE CONCRETE

DWL

DOWEL

PREFAB

PRE-FABRICATED

DN

DOWN

PSI

POUNDS PER SQUARE INCH

EA

EACH

PSF

POUNDS PER SQUARE FOOT

EJ

EACH FACE

PT

POST TENSIONED

EF

EXPANSION JOINT

P.T.

PRESSURE TREATED

ELEV

ELEVATION

QTY

QUANTITY

ENG

ENGINEER OR ENGINEERING

RAD

RADIUS

EOS

EDGE OF SLAB

RD

ROOF DRAIN

EQ

EQUAL

REF

REFERENCE

EW

EACH WAY

REINF

REINFORCING

EXIST

EXISTING

REOD

REQUIRED

EXP

EXPANSION

REV

REVISION

EXT

EXTERIOR

RTU

ROOF TOP UNIT

FI

FACE OF

SCHED

SCHEDULE

F

FLOOR DRAIN

SER

STRUCTURAL ENGINEER OF RECORD

FDN

FOUNDATION

SF

SQUARE FOOT

FF

FINISH FLOOR

SHTHG

SHEATHING

FLR

FLOOR

SIM

SIMILAR

FRT

FIRE RETARDANT TIMBER

SLH

SHORT LEG HORIZONTAL

FS

FAR SIDE

SLV

SHORT LEG VERTICAL

FTG

FOOTING

SOG

SLAB ON GROUND

FV

FIELD VERIFY

SPA

SPACES

GA

GAUGE, GAGE

SPEC

SPECIFICATION

GALV

GALVANIZED

SS

STAINLESS STEEL

GC

GENERAL CONTRACTOR

STD

STANDARD

GDR

GIRDER

STIFF

STIFFENER

GENL

GENERAL

STL

STEEL

GYP

GYPSUM

SW

SHORT WAY

HCA

HEADED CONCRETE ANCHORS

SYM

SYMMETRICAL

HDR

HEADER

T/

TOP OF

HG

HIP GIRDER

T&B

TOP & BOTTOM

HGR

HANGER

T&G

TONGUE & GROOVE

HI

HIGH

TEMP

TEMPORARY

HKD

HOOKED

TG

TRUSS GIRDER

HORIZ

HORIZONTAL

THK

THICKENED/THICK

HSS

HOLLOW STRUCTURAL SECTION

THRU

THROUGH

H.T.

HEAVY TIMBER

TYP

TYPICAL

ID

INSIDE DIAMETER

UNO

UNLESS NOTED OTHERWISE

IE

INVERT ELEVATION

VERT

VERTICAL

INSUL

INSULATION OR INSULATING

W

WIDE

INT

INTERIOR

W/

WITH

JBE

JOIST BEARING ELEVATION

W/O

WITHOUT

JT

JOINT

WD

WOOD

JST

JOIST

WP

WORK POINT

K

KIPS (KILOPOUNDS)

WWR

WELDED WIRE REINFORCEMENT

PES

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