

STRUCTURAL NOTES

MASONRY

1. CONFORM TO ACI 530.1-05/ASCE 6-05/TMS 402-05.
2. CONCRETE MASONRY UNITS ASTM C90, TYPE 1, NORMAL WEIGHT.
MORTAR: ASTM C270.
GROUT: ASTM C476 FINE.
3. CONCRETE MASONRY ASSEMBLIES TO HAVE THE FOLLOWING MINIMUM COMPRESSIVE STRENGTH: $F'_m = 1500$ PSI.

STRUCTURAL STEEL

1. CONFORM WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION'S "MANUAL OF STEEL CONSTRUCTION FOURTEENTH EDITION".
2. STEEL FOR ROLLED SECTIONS: ASTM A992/A992M ($F_y=50$ KSI).
STEEL FOR HOLLOW STRUCTURAL SECTIONS: ASTM A500, GRADE B ($F_y=46$ KSI).
STEEL FOR CONNECTIONS, ANGLES, PLATES AND CHANNELS: ASTM A36 ($F_y=36$ KSI).
PIPE SECTIONS: ASTM A53 ($F_y=35$ KSI).
3. STRUCTURAL BOLTS: ASTM A325/A325M N, TYPE 1 OR ASTM F1852, TYPE 1, TENSION CONTROL.
WASHERS: ASTM F436M.
NUTS: ASTM A563M.
4. WELDING: AWS D1.1, E70 ELECTRODE.
5. FULLY TENSION BOLTS.
6. NON-SHRINK GROUT: ASTM C1107, NON-METALLIC.

GENERAL NOTES

1. FIELD VERIFY DIMENSIONS AND ELEVATIONS OF STRUCTURAL STEEL AND WOOD MEMBERS PRIOR TO FABRICATION OF ANY MEMBERS. REPORT DISCREPANCIES TO THE OWNER PRIOR TO FABRICATION OF MEMBERS.
2. PROVIDE TEMPORARY SUPPORT OF FRAMING DURING CONSTRUCTION TO PREVENT FAILURE AND DAMAGE.
3. COORDINATE THE LOCATION OF CONCRETE, MASONRY AND STEEL MEMBERS WITH ARCHITECTURAL, MECHANICAL, AND ELECTRICAL PLANS AND DETAILS.
4. NO DEVIATIONS IN CONTRACT DRAWINGS ARE PERMITTED.
5. ASSUME FULL RESPONSIBILITY FOR ANY CHANGES IN FRAMING PLANS AND DETAILS UNLESS APPROVED IN WRITING BY THE OWNER.

STRUCTURAL ABBREVIATIONS:

±	PLUS OR MINUS	IN	INCH
∠	ANGLE	K	KIPS
ARCH	ARCHITECTURAL	KSI	KIPS PER SQUARE INCH
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS	LBS	POUNDS
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	MAX	MAXIMUM
AWS	AMERICAN WELDING SOCIETY	MECH	MECHANICAL
BLDG	BUILDING	MIN	MINIMUM
¢	CENTERLINE	MO	MASONRY OPENING
COL	COLUMN	#, NO	NUMBER
CONN	CONNECTION	OC	ON CENTER
CONT	CONTINUOUS	PSF	POUNDS PER SQUARE FOOT
DIA	DIAMETER	REINF	REINFORCED
DWG	DRAWING	REQ'D	REQUIRED
EA	EACH	SIM	SIMILAR
ELEC	ELECTRICAL	STL	STEEL
ELEV	ELEVATION, ELEVATOR	TMS	THE MASONRY SOCIETY
EQ	EQUAL	TOS	TOP OF STEEL
EXIST	EXISTING	TYP	TYPICAL
EXT	EXTERIOR	VERT	VERTICAL
F'_m	MASONRY COMPRESSIVE STRENGTH	W/	WITH
F_y	YIELD STRESS	WT	WEIGHT
GA	GAUGE		
IBC	INTERNATIONAL BUILDING CODE		

BUILDING DESIGN LOADS

ROOF SNOW LOAD (ROOF LIVE LOAD) ASCE 7-05/IBC 2009

GROUND SNOW LOAD (P_g) = 60 PSF

SNOW EXPOSURE FACTOR (C_e) = 1.0

SNOW LOAD ROOF SLOPE FACTOR (C_s) = 1.0

SNOW LOAD THERMAL FACTOR (C_t) = 1.0

BALANCED ROOF SNOW LOAD (P_f) = 42 PSF

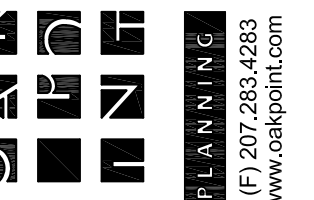
SNOW LOAD IMPORTANCE FACTOR (I) = 1.0

ROOF DEAD LOAD = 25 PSF

ROOF LIVE LOAD = 20 PSF

FLOOR DEAD LOAD = 12 PSF

FLOOR LIVE LOAD = 40 PSF



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STRUCTURAL
NOTES,
DESIGN
LOADS AND
ABBREVIATIONS

SCALE: AS NOTED

DATE: 01-09-18

DWG.: **S-001**

SHEET: 2 OF 17