PRINTED: Nov 20, 2012

GENERAL NOTES

SCALE: NTS

THE FOLLOWING BUILDING CODES AND STANDARDS SHALL BE REFERENCED DURING CONSTRUCTION:

IBC 2009	EDITION OF THE IBC INTERNATIONAL BUILDING CODE
ASCE 7	AMERICAN SOCIETY OF CIVIL ENGINEERS, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES
ACI 301	AMERICAN CONCRETE INSTITUTE SPECIFICATION FOR STRUCTURAL CONCRETE
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ACI 318	AMERICAN CONCRETE INSTITUTE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE
ASTM	AMERICAN SOCIETY OF TESTING AND MATERIALS
NDS	MATERIAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION BY NATIONAL FOREST PRODUCTS ASSOCIATION, 2005.

REFERENCE ARCHITECTURAL PLANS FOR DIMENSIONS NOT SHOWN. REFERENCE MECHANICAL, ELECTRICAL, AND ARCHITECTURAL PLANS FOR SIZES AND LOCATIONS OF SLAB AND SLAB OPENINGS, DUCTS, PIPING, CURBS, AND EQUIPMENT PADS. IN THE EVENT OF A CONFLICT BETWEEN THE DRAWINGS, SPECIFICATIONS, OR NOTES ON THE DRAWINGS, THE ENGINEER SHALL BE NOTIFIED PRIOR TO CONSTRUCTION.

EXISTING DIMENSIONS AND CONDITIONS ARE FOR REFERENCE ONLY. CONTRACTOR SHALL VERIFY ALL EXISTING CONSTRUCTION AND DIMENSIONS IN THE FIELD PRIOR TO CONSTRUCTION OR FABRICATION. ALL DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER PRIOR TO COMMENCING WORK.

THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF DEVIATIONS OR CHANGES ARE REQUIRED TO THE CONTRACT DOCUMENTS OR APPROVED SHOP DRAWINGS DUE TO INTERFERENCES, FABRICATION ERRORS, OR OTHER CAUSES.

THE STRUCTURE IS SELF-SUPPORTING AND STABLE AFTER THE ENTIRE BUILDING IS COMPLETELY CONSTRUCTED. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR PRECTION PROCEDURES AND SEQUENCES DURING CONSTRUCTION AND ERECTION TO PROVIDE AND ENSURE LOCAL AND OVERALL STABILITY OF THE BUILDING AND ITS COMPONENTS DURING CONSTRUCTION AND ERECTION. THE CONTRACTOR SHALL RETAIN A LICENSED STRUCTURAL ENGINEER TO DESIGN TEMPORARY BRACING/SHORING AND DETERMINE WHERE THE TEMPORARY BRACING/SHORING IS NEEDED.

SNOW LOADS:
GROUND SNOW LOAD, P_g = 30 PSF
SNOW EXPOSURE FACTOR, C_e = 1.0
SNOW LOAD IMPORTANCE FACTOR, I = 1.0
THERMAL FACTOR, C_t = 1.1
FLAT ROOF SNOW LOAD, P_f = 46.2 PSF + DRIFT

WIND LOADS:
BASIC WIND SPEED = 100 MPH
IMPORTANCE FACTOR, Iw = 1.0
WIND EXPOSURE: B
MAIN WINDFORCE-RESISTING SYSTEM (INCLUDES TRUSSWORK + LEDGERS) = 13.8 PSF

SEISMIC CRITERIA:
SOIL SITE CLASSIFICATION = D
DESIGN SPECTRAL RESPONSE ACCELERATION:
S_{DS} = .27
S_{D1} = .16
SEISMIC USE GROUP I
SEISMIC DESIGN CATEGORY C
RESPONSE MODIFICATION COEFFICIENT, R = 6.5
OCCUPANCY IMPORTANCE FACTOR, I = 1.0
BASE SHEAR, V = C_s * W = 0.03 * W
(W = SEISMIC WEIGHT)

DESIGN CRITERIA

SCALE: NTS

MASONRY CONSTRUCTION AND MATERIALS SHALL CONFORM TO ALL REQUIREMENTS OF BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530/ASCE5/TMS 402) AND SPECIFICATION FOR MASONRY STRUCTURES (ACI 530.1/ASCE6/TMS 602).

MATERIALS:

A. CONCRETE UNITS
1. BASED: ASTM C90 GRADE N, TYPE 1 WITH MINIMUM COMPRESSIVE STRENGTH = 1,900 PSI
2. MORTAR: ASTM C270, TYPE S
3. ASSEMBLY/PRISM MINIMUM COMPRESSIVE STRENGTH $f'm$ = 1,500 PSI
4. ALL UNITS SHALL BE LAID IN RUNNING BOND, UNLESS NOTED OTHERWISE
5. PLACE MASONRY SHELF EDGE STRIPS @ JOIST AND PLANTER
6. CONCRETE GROUT FILL (CGF) SHALL BE STANDARD WHERE VERTICAL FACE DIMENSION LESSER = 12 INCHES, HEIGHT = 2 WIDTH, WIDTH AS SHOWED

B. VERTICAL REINFORCEMENT
1. ASTM A615, GRADE 60
2. BENDS NOTED OTHERWISE, PROVIDE 48 BAR Ø OR 24" MIN.
3. PROVIDE ADDITIONAL VERTICAL REINFORCEMENT AT EACH SIDE OF CONTROL JOINTS, AT INTERSECTION OF EXTERIOR WALLS, AND AT EACH SIDE OF ALL MASONRY OPENINGS.
4. VERTICAL REINFORCEMENT SHALL BE CONTINUOUS FOR FULL HEIGHT OF WALL

C. GROUT
1. ASTM C476 WITH MINIMUM COMPRESSIVE STRENGTH = 2000 PSI
2. FULLY GROUT ALL CELLS WITH REINFORCEMENT AND ANCHORS
3. CONSOLIDATE AND RECONSOLIDATE GROUT IMMEDIATELY WHILE WITH VIBRATOR

D. HORIZONTAL JOINT REINFORCEMENT
1. ASTM 936, HOT DIPPED GALVANIZED OR STAINLESS STEEL
2. SHELF (9 GA) LADDER REINFORCEMENT SPACED AT 16" o.c. VERTICAL
3. BOND HORIZONTAL REINFORCEMENT AT TOP OF FIRST COURSE, AND LAP 6 INCHES, MIN.
4. EMBEDDED COVER: 2 INCHES WHEN EXPOSED TO EARTH OR WEATHER, 1 INCH OTHERWISE

PROVIDE VERTICAL CONTROL JOINTS IN WALLS AT A MAXIMUM SPACING OF 24'-0" AND AT APPROXIMATELY ½ WALL HEIGHT WHEN WALL INTERSECTION.

SECURE ALL CMU WALL SUPPORTED FIXTURES, EQUIPMENT, ETC. TO CMU WALL PER STRUCTURAL DRAWINGS AND MANUFACTURER'S RECOMMENDATIONS. DO NOT USE EXPANSION ANCHORS.

MASONRY NOTES

SCALE: NTS

ROOF DECK, ACCESSORIES, AND WORKMANSHIP SHALL CONFORM TO THE 'NO STEEL DECK INSTITUTE'S "ROOF SPECIFICATIONS AND COMMENTARY FOR STEEL ROOF DECK" AND THE "CODE OF RECOMMENDED STANDARD PRACTICE". STEEL DECK SHALL BE OF DEPTH AND GAGE SHOWN ON STRUCTURAL DRAWINGS. STEEL DECK AND FLASHINGS SHALL CONFORM TO ASTM A653. THE STEEL DECK SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A924 WITH MINIMUM COATING OF G90, U.N.O. ROOF DECKING SHALL CONFORM TO ASTM A653. MINIMUM YIELD STRENGTH OF DECK SHALL BE 33 KSI.

SPAN OVER FOUR SUPPORTS (CONTINUOUS OVER THREE OR MORE SPANS) WHERE FRAMING PERMITS. WHERE TWO UNITS ABUT, FASTEN EACH TO STEEL FRAMING. WHERE STEEL MEMBERS ARE PARALLEL TO FLUTES OF DECK, ADJUST DECK LAYOUT SO THAT DECK MAY BE WELDED TO STEEL. WELD DECK TO STEEL WITH ARC WELDING AS REQUIRED AT SIDE BOUNDARIES. ALL WELDING SHALL BE IN CONFORMANCE WITH AWS D1.3. TOUCH-UP ALL WELDS AND ABRASIONS IN THE FIELD.

FASTEN ROOF DECK TO SUPPORTS PER STRUCTURAL DRAWINGS. FOR 18" DECK, MINIMUM FASTENING IS 5/8" PUDDLE WELDS AND A 36/4 PATTERN, SPACING VALUES AT 6" o.c. AT EDGE OF DECK AND END LAPS, USE. SIDE LAPS SHALL BE FASTENED TOGETHER WITH #5-.90 TEK SCREWS PER SPAN, U.N.O. LAP ENDS OF DECK 2" MINIMUM.

TYPICAL ROOF DECK PENETRATION REINFORCEMENT SHALL CONSIST OF 14 GAGE PLATE WELDED TO THE DECK. COVERED PLATE MINIMUM OF 6" BEYOND OPENING, ON EACH SIDE. MAXIMUM PENETRATION SIZE IS 1'-0" DIAMETER WITHOUT ADDITIONAL REINFORCEMENT.

CONTRACTOR SHALL SUBMIT SHOP DRAWINGS DEPICTING DECK SHEET LAYOUT, DIMENSIONS, PROPERTIES, FASTENING SCHEDULE, AND DETAILS FOR DECK SUPPORT AND EDGE CONDITIONS. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY STOPS, EDGE PIECES, AND ACCESSORIES.

ROOF DECK NOTES

SCALE: NTS

ALL STRUCTURAL STEEL WORK SHALL CONFORM TO:

AISC AMERICAN INSTITUTE OF STEEL CONSTRUCTION, MANUAL OF STEEL CONSTRUCTION, 13TH EDITION
AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES

STRUCTURAL STEEL MEMBERS SHALL BE IN CONFORMANCE WITH THE FOLLOWING:

ALL STEEL, U.N.O.	ASTM A992, GRADE 50
ANGLES, PLATES	ASTM A36, F_y=36 KSI
STRUCTURAL TUBING	ASTM A500, GRADE B, F_y=46 KSI
STEEL PIPE	ASTM A53, TYPE E OR S, GRADE B, F_y=35 KSI

SHOP DRAWINGS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW PRIOR TO COMMENCING FABRICATION.

SHOP DRAWINGS ESSENTIALS SHALL INCLUDE:
1. CERTIFIED MILL TEST REPORTS OF STRUCTURAL STEEL (INCLUDING MARKS AND LOCATIONS OF HEATS AND SHAPES).
2. CERTIFIED MILL TEST REPORTS OF BOLTS, NUTS AND WASHERS (INCLUDING MARKS AND LOCATIONS OF HEATS AND SHAPES).
3. STRUCTURAL STEEL FABRICATION AND ERECTION DRAWINGS WHICH INCLUDE BOLTED CONNECTIONS (SHOP AND FIELD) AND WELDED CONNECTIONS (SHOP AND FIELD) DESIGNED AND SEALED BY ENGINEER.
4. WELDS, SHOP DRAWINGS SHOWING INSPECTION AND/OR NDT LAYOUT OF WELDS AND BOLTED.

OTHER STEEL WORK A QUALIFIED TESTING AGENCY TO PERFORM AND VERIFY THE FOLLOWING:
1. VISUAL INSPECTION OF ALL WELDS.
2. ULTRASONIC TESTING IN ACCORDANCE WITH ASTM E-164, ON WELDS OF ALL FIELD FULL PENETRATION WELDS.
3. PROPER WELDER VERIFICATION VIA ULTRASONIC TESTING OF SHOP FULL PENETRATION WELDS.
4. FIELD BOLTED CONNECTIONS, INCLUDING VERIFICATION OF BOLT GRADES.
5. SHOP, STAR QUANTITY, PROPER INSTALLATION, SIZE, AND SPACING. SHEAR STUDS SHALL CONFORM TO ASTM A108.

BOLTED CONNECTIONS:
1. FIELD CONNECTIONS SHALL UTILIZE MINIMUM ¾" DIAMETER A325 HIGH STRENGTH BOLTS, U.N.O. BOLTED CONNECTION SHALL BE SLIP CRITICAL (SC) AT ALL MOMENT FRAMES, BRACED FRAMES, AND AT ADDITIONAL LOCATIONS INDICATED IN THE DRAWINGS. SLIP CRITICAL CONNECTIONS SHALL UTILIZE LOAD INDICATOR WASHERS OR TENSION CONTROL BOLTS. BOLT HOLES SHALL BE STANDARD SIZE, U.N.O.
2. HIGH STRENGTH BOLTS SHALL BE INSTALLED AND TENSIONED PER AISC SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 BOLTS.
3. ANCHOR BOLTS SHALL CONFORM TO ASTM F1554, GRADE 36, STANDARD HEX HEAD FURNISHED WITH HEAVY HEX NUTS AND LOCK WASHERS.
4. CONTRACTOR SHALL DESIGN CONNECTIONS NOT ALREADY DETAILED ON STRUCTURAL DRAWINGS. DESIGN SHALL BE STAMPED BY A LICENSED STRUCTURAL ENGINEER AND SUBMITTED PRIOR TO COMMENCING FABRICATION.

WELDED CONNECTIONS:
1. WELDING SHALL CONFORM TO AWS D1.1. USE LOW-HYDROGEN SHIELD ELECTRODES WITH MINIMUM TENSILE STRENGTH OF 70 KSI.

STRUCTURAL STEEL SHALL RECEIVE THE FOLLOWING PROTECTIVE COATINGS:
1. DO NOT PAINT SURFACES TO RECEIVE METAL DECK AND/OR SHEAR CONNECTORS FASTENED BY WELDING, CONTACT SURFACES OF HIGH STRENGTH BOLTED CONNECTIONS, FINISHED BEARING SURFACES, AND SURFACES TO BE WELDED IN THE FIELD. IF OBTAINED, PROTECT THESE SURFACES BY RUST-INHIBITING COATING THAT CAN BE REMOVED EASILY PRIOR TO ERECTION.
2. UNCOVERED STRUCTURAL STEEL SHALL BE CLEANED IN ACCORDANCE WITH SSPC-SP3 AND PAINTED WITH PRIMER PAINT, MINIMUM 1½ MIL, OR EQUIVALENT, U.N.O.
3. EXPOSED STRUCTURAL STEEL TO RECEIVE ZINC-RICH EPOXY PAINT SHALL BE FIRST CLEANED IN ACCORDANCE WITH SSPC-SP6 "COMMERCIAL BLAST CLEANING. USE TNEMEC 394-ZINC EPOXY PAINT, OR EQUIVALENT. APPLY FINISH COAT PER ARCHITECT.
4. EXPOSED STRUCTURAL STEEL TO BE HOT-DIPPED GALVANIZED SHALL BE IN ACCORDANCE WITH ASTM A123.

SHEAR CONNECTOR STUDS:
1. SHEAR CONNECTOR STUDS SHALL BE HEADED, OR EQUIVALENT, ¾" DIAMETER, U.N.O. WELD STUDS PER STUD MANUFACTURER'S RECOMMENDATIONS THROUGH METAL DECKING. STUD LENGTH SHALL BE 1" BELOW TOP OF CONCRETE SLAB-ON-DECK.
2. SHEAR STUDS, WHERE REQUIRED, ARE INDICATED ON THE DRAWINGS AS [XX], WHERE XX IS THE NUMBER OF STUDS EQUALLY SPACED ACROSS SUPPORTS ON A BEAM OR GIRDER.

STRUCTURAL STEEL NOTES

SCALE: NTS

QUALITY ASSURANCE: CONTRACTOR SHALL PROVIDE QUALITY CONTROL OVER ALL FABRICATION AND ERECTION ACTIVITIES.

STANDARDS: WORK SHALL MEET THE REQUIREMENTS OF THE FOLLOWING STANDARDS:

AMERICAN IRON AND STEEL INSTITUTE (AISI), LATEST EDITION OF "DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS"
AMERICAN WELDING SOCIETY (AWS) D1.3, LATEST EDITION OF "STRUCTURAL WELDING CODE – STEEL SHEET"
AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)
AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)
STEEL STUD MANUFACTURERS ASSOCIATION (SSMA) ICBO ES-4943P "PRODUCT RECOGNITION INFORMATION"

PRODUCT HANDLING (PROTECTION OF PRODUCTS): MATERIAL SHALL BE PROTECTED FROM RAIN AND SNOW.

PRODUCTS:
1. ALL FRAMING MATERIALS SHALL BE MANUFACTURED IN ACCORDANCE W/ THE LATEST EDITION OF STEEL STUD MANUFACTURERS ASSOCIATION AND BE OF TYPE AND SIZE AS SHOWN ON THE STRUCTURAL DRAWINGS. ALL MATERIAL 16 GAGE AND HEAVIER SHALL BE 50 KSI.
2. GALVANIZED MATERIAL:
   A. ALL GALVANIZED STUDS AND JOISTS SHALL BE FORMED FROM STEEL THAT CORRESPONDS TO THE MINIMUM REQUIREMENTS OF A.I.S.I. STANDARDS.
   B. ALL GALVANIZED STUDS, JOISTS, TRACKS, BRIDGING, AND ACCESSORIES SHALL BE FORMED FROM STEEL HAVING A GALVANIZED COATING MEETING G40 REQUIREMENTS OF A.S.T.M. A653.
3. THE PHYSICAL AND STRUCTURAL PROPERTIES LISTED BY SSMA SHALL BE CONSIDERED THE MINIMUM PERMITTED FOR FRAMING MEMBERS. ANY SUBSTITUTIONS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER. REPORT DISCREPANCIES TO STRUCTURAL ENGINEER.

POWDER ACTUATED FASTENERS IN CONCRETE SHALL BE 0.145" DIAMETER HILTI X-346 OR X-CRM FOR STEEL, U.N.O. PROVIDE MINIMUM 1½" EMBEDMENT INTO CONCRETE. PROTECTIVE COATINGS ON SCREW FASTENERS SHALL BE COMPATIBLE WITH LIGHT GAGE FRAMING.

TEMPORARY BRACING SHALL BE PROVIDED BY AND BE THE RESPONSIBILITY OF THE CONTRACTOR. PERMANENT BRACING AND BRIDGING SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND APPLICABLE CODES. BRIDGING SHALL BE SPACED PER MANUFACTURER'S RECOMMENDATIONS. END BLOCKING SHALL BE PROVIDED FOR STUDS WHERE JOINT ENDS ARE NOT OTHERWISE RESTRAINED AGAINST ROTATION.

ALL TRACK BUTT JOINTS, ADJOINING PIECES OF TRACK SHALL BE SECURELY ANCHORED TO A COMMON STRUCTURAL ELEMENT, SUCH AS A STUD, OR THEY SHALL BE BUTT WELDED TOGETHER. SPLICING OF OTHER MEMBERS IS NOT PERMITTED, U.N.O.

JACK STUDS SHALL BE INSTALLED BELOW WINDOW SILLS, ABOVE WINDOW AND DOOR HEADS TO FURNISH SUPPORT AND SHALL BE SECURELY ATTACHED TO SUPPORTING MEMBERS. PROVIDE INSULATION EQUAL TO THAT SPECIFIED IN ARCHITECTURAL DRAWINGS IN ALL DOUBLE OR MORE JAMB STUDS OR HEADERS WHICH WILL NOT BE ACCESSIBLE TO THE INSULATION CONTRACTOR.

ALL WELDING SHALL BE TOUCHED UP WITH A ZINC RICH PAINT.

STEEL TRUSSED WALL SHALL BE LATERALLY SUPPORTED AT ALL PANEL POINTS AND AS SHOWN ON PLANS. REQUIRED X-BRACING SHALL BE INSTALLED IMMEDIATELY AFTER ERECTION OF EACH ROOF TRUSS.

LIGHT GAGE FRAMING NOTES

SCALE/SCALE: NTS

ABBREVIATIONS

SCALE: NTS

AB	ANCHOR BOLT	L	ANGLE
ABOVE	ADDITIONAL	LL	DOUBLE ANGLE
ARCH	ARCHITECT	LB	POUND
&	AND	LF	LINEAR FOOT
		LLH	LONG LEG HORIZONTAL
B/ATR, ROF	BOTTOM OF FOOTING	LLV	LONG LEG VERTICAL
BLDG	BUILDING		
BM	BEAM	MAX	MAXIMUM
BOF	BOTTOM	MECH	MECHANICAL
BRG	BEARING	MFR	MANUFACTURER
BTWN	BETWEEN	MIN	MINIMUM
		MISC	MISCELLANEOUS
C	STRUCTURAL STEEL CHANNEL		
CANT	CANTILEVER	NF	MAIN FACE
CIP	CAST-IN-PLACE CONCRETE	NTS	NUMBER
CJ	CONTROL JOINT	NS	NEAR SIDE
CL	CENTERLINE	NTS	NOT TO SCALE
CLR	CLEAR		
CMU	CONCRETE MASONRY UNIT	OC	ON CENTER
CNJ	CONSTRUCTION JOINT	OF	OUTSIDE FACE
COL	COLUMN	OPNG	OPENING
CONC	CONCRETE	OPP	OPPOSITE
CONN	CONNECTION		
CONT	CONTINUOUS	P	PER DESIGNATION
CONTR	CONTRACTOR	PL	PLATE
CP	COMPLETE PENETRATION WELD	PP	PARTIAL PENETRATION WELD
CY	CUBIC YARD	PREFAB	PREFABRICATED
		PSF	POUNDS PER SQUARE FOOT
DIA	DIAMETER	PSI	POUNDS PER SQUARE INCH
DIM	DIMENSION		
DISCONT	DISCONTINUOUS	REINF	REINFORCING STEEL
DWG	DRAWING	REQ, REQD	REQUIRED
		RD	ROOF DRAIN
EQ, EL, EQUI	EQUIVALENT	SC	SLIP CRITICAL
EA	EACH	SECT	SECTION
EF	EACH FACE	SHEATH	SHEATHING
EL, ELEV	ELEVATION	SIM	SIMILAR
EQ	EQUAL	SOG	SLAB-ON-GRADE
EQUIP	EQUIPMENT	SPAC	SPACING
ES	EACH SIDE	SPEC	SPECIFICATIONS
ET	EACH WAY	SS	STAINLESS STEEL
EXP	EXPANSION	STD	STANDARD
EXT	EXTERIOR	STIFF	STIFFENER
F	FOOTING DESIGNATION	STL	STEEL
FDN	FOUNDATION	STR	STRAIGHT
FF	FINISH FLOOR	STRUCT	STRUCTURAL
FLG	FLANGE		
FLR	FLOOR	T	TOP
FT	FOOT	TOB	TOP AND BOTTOM
FTG	FOOTING	TOC, T/CONC	TOP OF CONCRETE
FV	FIELD VERIFY	T/FTG, TOF	TOP OF FOOTING
		TEMP	TEMPERATURE
G	GAGE	T/SHELF	TOP OF SHELF
GALV	GALVANIZED	T/SLAB	TOP OF SLAB
HOR, HORIZ	HORIZONTAL	T/STL	TOP OF STEEL
HSS	HOLLOW STRUCTURAL SHAPE	T/WALL	TOP OF WALL
HT	HEIGHT	TS	STRUCTURAL TUBING
		TYP	TYPICAL
IF	INSIDE FACE	UNO	UNLESS NOTED OTHERWISE
IN	INCH		
INFO	INFORMATION	VERT, VERT	VERTICAL
		VIF	VERIFY IN FIELD
JT	JOINT		
K	KIP (1 KIP = 1,000 LBS)	W	STRUCTURAL STEEL WIDE FLANGE
KSI	KIPS PER SQUARE INCH	W/	WITH
		W/O	WITHOUT
		WP	WORK POINT
		WT	WEIGHT
		WWF	WELDED WIRE FABRIC

LEGEND

SCALE: NTS

SLOPE DESIGNATION — SLOPE
ELEVATION MARK
ROOF PITCH — 12 / 8
SPAN DIRECTION
SECTION MARK — SECTION No. / SHEET No. WHERE SHOWN
UNDISTURBED EARTH
LEDGE
COMPACTED STRUCTURAL FILL
CONCRETE
GROUT
BRICK
CMU

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SULLIVAN TIRE
1100 BROADWAY AVE. PORTLAND, ME
BUILDING RENOVATION

ISSUED

NO.	DESCRIPTION	DR BY	CKED BY	DATE
A	FOR REVIEW	SJP	CD	11-5-12
B	ROOF PERMIT	SJP	CD	12-20-12

SHEET TITLE
STRUCTURAL NOTES

DESIGNED	SJP
DRAWN	SJP
DATE	10-25-12
PROJECT NUMBER	12-104

S000