

GENERAL NOTES

- THESE NOTES SHALL APPLY EXCEPT AS OTHERWISE INDICATED BY THE DRAWINGS OR SPECIFICATIONS.
- WHERE A DETAIL IS SHOWN FOR ONE CONDITION, IT SHALL APPLY FOR ALL LIKE OR SIMILAR CONDITIONS EVEN THOUGH NOT SPECIFICALLY MARKED ON THE DRAWINGS.
- GENERAL CONTRACTOR SHALL ENSURE THAT ALL MATERIALS ARE IN COMPLIANCE WITH THE PLANS AND SPECIFICATIONS.
- IF APPLICABLE, CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS OF EXISTING BUILDINGS AFFECTING CONSTRUCTION AND DISCREPANCIES SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT/ENGINEER IN WRITING.
- THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES, PIPES, ELECTRICAL EQUIPMENT, AND/OR STRUCTURES SHOWN ON THESE DRAWINGS ARE TAKEN FROM EXISTING DRAWINGS BY OTHERS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING TRUE LOCATIONS OF EXISTING UNDERGROUND UTILITIES, PIPES, ELECTRICAL EQUIPMENT, AND/OR STRUCTURES THAT MAY INTERFERE WITH THE CONSTRUCTION OF THE BUILDING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ANY OF THE ABOVE ITEMS AS SHOWN OR NOT SHOWN.
- GENERAL CONTRACTOR SHALL INSURE THAT THE MATERIALS ARE IN COMPLIANCE WITH THE PLANS AND SPECIFICATIONS.
- ALL MASONRY WALLS BELOW GRADE SHALL BE BACK FILLED ON BOTH SIDES OF WALL. SIMULTANEOUSLY, PROVIDE TEMPORARY BRACING AS REQUIRED TO ADEQUATELY SUPPORT STRUCTURE DURING CONSTRUCTION AND BACKFILLING. BRACING SHALL REMAIN IN PLACE UNTIL ALL FLOOR AND ROOF CONNECTIONS ARE COMPLETE. ALL BACK FILL MATERIAL NEXT TO MASONRY WALLS TO BE PLACED BY HAND AND COMPACTED. NO HEAVY EQUIPMENT ALLOWED.
- CENTER LINE OF COLUMN = CENTERLINE OF FOOTING = CENTERLINE OF ANCHOR BOLT TEMPLATE UNLESS OTHERWISE NOTED. NO PIPING SHALL PASS THROUGH OR UNDER ANY FOOTING WITHOUT PRIOR APPROVAL OF THE ENGINEER.

DESIGN CRITERIA

- BUILDING CODE: 2003 INTERNATIONAL BUILDING CODE.
- DESIGN LOADS:

ROOF DEAD LOAD = 15 PSF
ROOF LIVE LOAD = 25 PSF

WIND:

- BASIC WIND SPEED = 90 mph
- IMPORTANCE FACTOR = 1.0
- EXPOSURE "B"

SEISMIC:

- SEISMIC DESIGN CATEGORY = C
- SEISMICITY GROUP = 1
- S_s = .178 ; S₁ = .063
- SITE CLASS = D

SNOW:

- P_g = 30 PSF P_f = 20 PSF
- C_e = 1.0 C_t = 1.0 C_s = 1.0 I = 1.0

FOUNDATIONS & EARTHWORK NOTES

- THE FOUNDATION DESIGN IS BASED ON A SEPARATE, SUBSURFACE GEOLOGICAL INVESTIGATION. REPORT AND RECOMMENDATIONS BY NYA IF AFTER EXCAVATION, SOILS CONDITIONS ARE ENCOUNTERED WHICH INDICATE A SOILS BEARING CAPACITY OF LESS THAN 2000 PSF THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED AND THE FOUNDATION DESIGN REVISED, IF NECESSARY. ALL GRADING AND FILLING SHALL BE ACCOMPLISHED AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER. GENERAL CONTRACTOR SHALL GIVE PARTICULAR ATTENTION TO MAINTAINING GOOD DRAINAGE, DIRECTING WATER AWAY FROM FOOTINGS, FOUNDATIONS AND FILL.
- ALL SITE PREPARATION, FILL CONSTRUCTION AND BACKFILL/FILL OPERATIONS SHALL INCLUDE A QUALITY CONTROL PROGRAM CONSISTING OF BOTH VISUAL INSPECTION AND INPLACE DENSITY TESTS BY A QUALIFIED SOILS ENGINEERING CONSULTANT.
- MATERIAL TO BE USED AS STRUCTURAL FILL SHALL COMPLY WITH ASTM D2487 SOIL CLASSIFICATION GROUPS GW, GP, GM, SM, SW AND SP. THE MATERIAL SHALL BE FREE OF CLAY, ROCK OR GRAVEL LARGER THAN 2 INCHES IN ANY DIMENSION, DEBRIS, WASTE, FROZEN MATERIALS, VEGETATION AND OTHER DELETERIOUS MATERIAL.
- REMOVE VEGETATION, DEBRIS, UNSATISFACTORY SOIL MATERIALS, OBSTRUCTIONS, AND DELETERIOUS MATERIALS FROM GROUND SURFACE PRIOR TO PLACEMENT OF FILLS. PLACE BACK FILL AND FILL IN LAYERS NOT MORE THAN 4 INCHES IN LOOSE DEPTH. THE TOP 12 INCHES OF SUB GRADE AND EACH LAYER OF BACK FILL OR FILL MATERIAL SHALL BE COMPACTED TO NOT LESS THAN 95% OF MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D1557.
- "ROCK" IS DEFINED AS THAT ROCK MATERIAL SO MASSIVE AND SO FIRMLY CEMENTED IN PLACE THAT IT CANNOT BE REMOVED WITH THE CONTRACTOR'S NORMALLY FURNISHED MECHANIZED EQUIPMENT AND REMOVAL MUST BE ACCOMPLISHED WITH THE USE OF SPECIAL METHODS AND MACHINES, SUCH AS A HOE-RAM, JACK HAMMER OR EXPLOSIVES. WHEN ROCK IS ENCOUNTERED IT SHALL BE REMOVED AT THE CONTRACTOR'S PREVIOUSLY STATED UNIT QUANTITY (\$/C.Y.).
- ALL FOOTINGS SHALL BE POURED ON FIRM, UNDISTURBED EARTH OR ENGINEERED CONTROLLED BACKFILL. TOP OF EXTERIOR FOOTINGS SHALL BE A MINIMUM OF 30" BELOW FINISH GRADE, UNLESS OTHERWISE NOTED AND MUST COURSE WITH FINISH FLOOR. FROST LINE FOR THIS PROJECT IS 30" BELOW FINISH GRADE.

ANCHOR BOLT NOTES

- ANCHOR BOLTS SHALL CONFORM TO ASTM A307 GRADE "A" AND BE PROVIDED WITH HEAVY HEX NUTS AND 4" HOOKS.
- WASHERS MAY BE "MILD STEEL FLAT WASHERS" (CONFORMING TO ASTM B-27.2) OR "PLAIN HARDENED WASHERS" (CONFORMING TO ASTM A225).
- ANCHOR BOLTS SHALL BE THREADED FOR FULL PROJECTION ABOVE ROUGH CONCRETE.
- ALL ANCHOR BOLTS SHALL BE BROUGHT TO A "SNUG TIGHT" CONDITION (THE TIGHTNESS ATTAINED BY A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF A MAN USING AN ORDINARY SPUD WRENCH). FOLLOWING THIS INITIAL TIGHTENING, ALL BOLTS SHALL BE RE-TIGHTENED TO THE "SNUG TIGHTENED" CONDITION.

CONCRETE AND GROUTING NOTES

- CONCRETE SHALL BE PROPORTIONED, MIXED AND PLACED IN ACCORDANCE WITH ACI 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" AND ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS"
- CONCRETE SHALL HAVE A MIN. ALLOWABLE COMPRESSIVE STRENGTH OF THE VALUES SHOWN BELOW AT 28 DAYS. CONTRACTOR SHALL COORDINATE ALL CONTRACT DOCUMENTS FOR THE LOCATION OF ALL ANCHOR BOLTS, FLOOR DRAINS, INSERTS AND ALL OTHER CONCRETE EMBEDDED ITEMS BEFORE POURING CONCRETE.
INTERIOR SLABS ON GRADE: F_c = 3000 PSI W/ 5" MAX SLUMP
FOUNDATIONS: F_c = 3000 PSI W/ 5" MAX SLUMP
ALL OTHER STRUCTURAL CONCRETE: F_c = 4000 PSI W/ 4" MAX SLUMP
- CEMENT SHALL BE PORTLAND CEMENT, TYPE I, ASTM C150. FINE AGGREGATE SHALL BE NATURAL SAND, ASTM C33. COURSE AGGREGATE SHALL BE CRUSHED STONE OR GRAVEL, ASTM C33.
- EXPOSED CONCRETE CORNERS SHALL BE CHAMFERED 3/4", UNLESS OTHERWISE NOTED.
- SLAB THICKNESS SHOWN ON THE DRAWINGS IS MINIMUM AND SHALL BE MEASURED FROM LOW POINT ON FLOOR. CONTRACTOR SHALL COORDINATE ALL DRAWINGS TO ASSURE THAT ALL FLOORS ARE PROPERLY SLOPED TO DRAIN IN TOILETS, SHOWERS, ETC..
- "C.J.", AS SHOWN ON DRAWINGS, INDICATES A SAWIN CONTROL JOINT OR A KEVED CONSTRUCTION JOINT IN SLABS ON GRADE. SAW CUTS TO BE 1/8" x 1/3 DEPTH OF SLAB AND ACCOMPLISHED WITHIN 12 HOURS OF CONCRETE PLACEMENT.
- REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, AND SHALL BE PLACED IN ACCORDANCE WITH THE "MANUAL OF STANDARD PRACTICE", LATEST EDITION, BY THE CONCRETE REINFORCING STEEL INSTITUTE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.
- THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL:
MIN. COVER, IN.
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3"
CONCRETE EXPOSED TO EARTH OR WEATHER
#6 BARS THRU #18 BARS 2"
#5 BARS, W31 OR D31 WIRE AND SMALLER 1 1/2"
CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND
SLABS, WALLS, JOINTS:
#14 AND #18 BARS 1 1/2"
#11 AD SMALLER 3/4"
- ALL GROUT SHALL BE NON-SHRINK GROUT (CRD-C 588, FACTORY PREMIXED GROUT) TYPE D, NON-METALLIC. GROUT SHALL BE PLACED IN STRICT ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.
- BASE PLATES SHALL BE GROUTED IMMEDIATELY AFTER BOLT TIGHTENING NO MOISTURE OR FOREIGN MATERIAL SHALL BE ALLOWED TO COME IN CONTACT WITH THE UNDERSIDE OF THE PLATE OR ANCHOR BOLTS PRIOR TO GROUTING.
- MIX DESIGN SHALL BE DOCUMENTED IN ACCORD WITH SECTION 03300 OF THE PROJECT SPECS AND ACI 301, CHAPTER 3 "PROPORTIONING". MIX DESIGNS WHICH ARE SUBMITTED WITHOUT THE REQUIRED DOCUMENTATION WILL BE REJECTED. FIELD SLUMPS RECORDED AT JOB SITE SHALL NOT EXCEED THE SLUMP ESTABLISHED FOR THE MIX DESIGN.
- CONCRETE SHALL NOT BE POURED IN WATER OR ON FROZEN GROUND AND SHALL BE PROTECTED FROM FROST DURING CONSTRUCTION.
- ALL DETAILING, FABRICATION AND PLACEMENT OF REINFORCING STEEL, MIXING, HANDLING, PLACING, FINISHING AND CURING OF CONCRETE SHALL BE IN ACCORDANCE WITH ACI-315 AND ACI-318 LATEST EDITION.

MASONRY NOTES

- ALL HOLLOW CONCRETE BLOCK (MASONRY) SHALL CONFORM TO ASTM C90, LIGHTWEIGHT, TYPE N1 WITH A MINIMUM COMPRESSIVE STRENGTH OF 3750 PSI ON THE NET AREA AND 1875 PSI ON THE GROSS AREA (F_m = 1500 PSI).
- ALL MORTAR FOR MASONRY SHALL CONFORM TO ASTM C270, TYPE M OR S. USE TYPE N FOR BRICK AND INTERIOR NON-LOAD BEARING PARTITIONS. ALL GROUT FOR USE IN MASONRY SHALL CONFORM TO ASTM C476, 3000 PSI @ 28 DAYS.
- HORIZONTAL JOINT REINFORCEMENT IN MASONRY WALLS SHALL BE CONTINUOUS TRUSS TYPE OF NO. 9 SIDE RODS AND CROSS TIES OF GALV. COLD DRAWN MILD STEEL WIRE CONFORMING TO ASTM A82.
- DOWEL ALL VERTICAL REINFORCEMENT FROM FOUNDATIONS, HOLD VERTICAL BARS PLUMB AND MAINTAIN MIN 1/2" GROUT BETWEEN MAIN REINFORCEMENT AND THE CMU. COMPRESSIVE STRENGTH OF GROUT IN ACCORDANCE WITH ASTM C1019.
- MASONRY IS TO BE LAID IN RUNNING BOND UNLESS OTHERWISE NOTED. ALL CORNERS AND INTERSECTING WALLS SHOULD INTERLOCK.
- FOR HOT WEATHER CONSTRUCTION, IMPLEMENT THE FOLLOWING PROCEDURES WHEN THE AMBIENT TEMP. EXCEEDS CONDITIONS BELOW:
(a) 100°F OR
(b) 90°F w/WIND VELOCITY GREATER THAN 8 mph
a. DO NOT SPREAD MORTAR BEDS MORE THAN 4'-0" AHEAD OF MASONRY.
b. SET MASONRY UNITS WITHIN ONE MIN. OF SPREADING MORTAR.

STRUCTURAL STEEL NOTES

- STRUCTURAL STEEL MATERIALS, WORKMANSHIP AND PROCEDURES SHALL BE IN ACCORDANCE WITH THE AISC "MANUAL OF STEEL CONSTRUCTION", LATEST EDITION.
- STRUCTURAL STEEL SHALL BE ASTM A36 EXCEPT AS FOLLOWS: UNLESS NOTED:
STRUCTURAL STEEL ASTM A992 (F_y = 50 ksi)
ROUND PIPE STEEL ASTM A53 GRADE B (F_y = 35 ksi)
TUBE STEEL ASTM A500 GRADE B (F_y = 46 ksi)
- BOLTS SHALL BE A325, 3/4" DIA. (UNLESS OTHERWISE NOTED). HOT DIP GALVANIZED IN BEARING TYPE CONNECTIONS WITH THE THREADS INCLUDED IN SHEAR PLANE (2-BOLT MINIMUM). LARGER DIAMETER BOLTS (UP TO 1 1/4") MAY BE USED IN THE VERTICAL WIND BRACING SYSTEM, SUBJECT TO THE ENGINEERS APPROVAL.
- WELDING ELECTRODES SHALL BE ASTM A233, CLASS E-70XX.
- FRAMED BEAM CONNECTIONS SHALL BE STANDARD DOUBLE ANGLE CONNECTIONS AS SHOWN IN TABLE II OF THE AISC MANUAL, UNLESS OTHERWISE NOTED. EXCEPT WHERE BEAM REACTIONS OR CONNECTION DETAILS ARE SHOWN ON THE DRAWING, BEAM CONNECTIONS SHALL BE SIZED FOR HALF THE UNIFORM LOAD CAPACITY OF THE BEAM AS TABULATED IN THE UNIFORM LOAD CONSTANTS SECTION OF THE AISC MANUAL.
- COLUMNS SHALL BE MILLED AT BASE PLATES AND SPLICES UNLESS OTHERWISE NOTED.

- ROLLED STEEL BEARING PLATES, 2" OR LESS IN THICKNESS, SHALL BE STRAIGHTENED BY PRESSING OR PLANING. PLATES OVER 2" IN THICKNESS SHALL BE PLANED FOR ALL BEARING SURFACES.
- HIGH TENSILE STRENGTH BOLTS SHALL BE TIGHTENED TO MINIMUM TENSIONS SHOWN IN TABLE 3 OF AISC SPECIFICATIONS FOR "STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS". TIGHTENING SHALL BE DONE WITH PROPERLY CALIBRATED WRENCHES OR BY THE TURN-OF-NUT METHOD IN COMPLIANCE WITH THE REQUIREMENTS OF THE CODE MENTIONED ABOVE. A TENSION MEASURING DEVICE SHALL BE USED TO VERIFY THE ACCURACY OF THE TIGHTENING METHOD USED.
- MOMENT CONNECTIONS SHALL BE DESIGNED USING THE LOADS AS SHOWN WITHOUT FURTHER REDUCTIONS.
- PROVIDE TEMPORARY BRACING DURING CONSTRUCTION, INCLUDING HORIZONTAL BRACING AT CONCRETE FLOORS, UNTIL CONCRETE IS PLACED AND CURED.
- BRACING GUSSET PLATES SHALL BE 3/8" MINIMUM THICKNESS WITH A MINIMUM OF TWO BOLTS FOR ANGLES AND 4 BOLTS FOR WT'S.
- TENSION FORCES SHOWN (+) ON BEAM CONNECTIONS SHALL BE CHECKED FOR BENDING IN THE ANGLES PLUS PRYING FORCE ON THE BOLTS IN ADDITION TO THE DIRECT TENSION AND SHEAR ON THE BOLTS.
- STEEL SURFACES SHALL BE PREPARED PER THE SPECIFICATIONS BY THE ARCHITECT. ALL STRUCTURAL STEEL SHALL RECEIVE SHOP APPLIED PRIMER, AND FINISH COATS, PER THE ARCHITECT'S SPECIFICATIONS. PAINT TO BE APPLIED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS. TOUCHUP PAINTING TO BE DONE IMMEDIATELY AFTER ERECTION WITH SAME MATERIAL AS USED FOR SHOP PAINTING.
- ALL STRUCTURAL STEEL BELOW GRADE SHALL BE ENCASED WITH A MINIMUM OF 4" CONCRETE COVER OR OTHERWISE PROTECTED WITH A HEAVY COAT OF COAL TAR MASTIC.
- PRIOR TO FABRICATION AND/OR MODIFYING THE STEEL, THE CONTRACTOR SHALL VERIFY SIZE AND DIMENSIONS OF ANY NEW OR EXISTING WORK WHICH AFFECTS HIS WORK. ANY DISCREPANCIES SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER.
- DIMENSIONS AT FRAMED OPENINGS TO BE VERIFIED WITH APPLICABLE SUB-CONTRACTOR BEFORE FABRICATION OF STEEL. IF ANY DISCREPANCIES ARE FOUND, THE ARCHITECT/ENGINEER IS TO BE IMMEDIATELY NOTIFIED IN WRITING.

WOOD NOTES

- ALL LUMBER SHALL BE S.Y.P. NO. 2 (MC=19%) OR EQUIVALENT
- NAILING SHALL CONFORM TO REQUIREMENTS OF THE BUILDING CODE
- STUDS, TRUSSING AND JOISTS SHALL NOT BE CUT TO INSTALL PLUMBING OR WIRING UNLESS METAL OR WOOD SIDES PIECES ARE PROVIDED TO STRENGTHEN THE MEMBER.
- DESIGN ALL ROOF TRUSSES AND FRAMING MEMBERS WITH A MIN. 20 PSF DEAD LOAD APPLIED ALONG THE TOP CHORD AND A MIN. 10 PSF DEAD LOAD APPLIED ALONG THE BOTTOM CHORD. PROVIDE FOR CONCENTRATED MECHANICAL LOADS AND OTHER CONC. LOADS. DESIGN TRUSSES FOR THE LIVE LOADS AND WIND LOADS SPECIFIED ON THE DRAWINGS. THE DESIGN OF THE TRUSS SHALL ASSUME A TOTAL DEAD LOAD OF 10 PSF ON THE TOP CHORD AND 10 PSF ON THE BOTTOM CHORD WHEN CONSIDERING WIND LOADS. DESIGN ALL TEMPORARY AND PERMANENT BRACING REQUIRED FOR INSTALLATION AND USE. DESIGN ALL CONNECTIONS OF FRAMING MEMBERS TO EACH OTHER AND TO THE REST OF THE STRUCTURE UNLESS SPECIFICALLY DETAILED BY THE DRAWINGS. SUBMIT SHOP DRAWINGS SIGNED AND SEALED BY A REGISTERED STRUCTURAL ENGINEER IN THE STATE OF CONSTRUCTION.
- TRUSS ERECTOR SHALL HAVE 5 YEARS EXPERIENCE IN THE ERECTION OF WOOD TRUSSES.
- ERECTION AND TEMPORARY BRACING OF PREFABRICATED WOOD TRUSSES SHALL BE IN CONFORMANCE WITH THE RECOMMENDATIONS OF THE TRUSS MANUFACTURER AND THE TRUSS PLATE INSTITUTES "BRACING WOOD TRUSSES COMMENTARY AND RECOMMENDATIONS". FABRICATOR SHALL PROVIDE TPI PUBLICATION AND ANY SPECIAL ERECTION INSTRUCTIONS TO THE CONTRACTOR AT THE TIME OF DELIVERY.
- CONNECTIONS FOR STRUCTURAL MEMBERS SHALL BE GALVANIZED STRONG TIE CONNECTORS BY THE SIMPSON COMPANY OR AN EQUAL. ALL TRUSS ARE TO BE ATTACHED TO THE WALL WITH SIMPSON HURICANE TIES OR EQUAL.
- WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE FOUNDATION GRADE PRESSURE TREATED SOUTHERN PINE. USE GALVANIZED NAILS IN PRESSURE TREATED WOOD.
- DIMENSIONS AT FRAMED OPENINGS TO BE VERIFIED WITH APPLICABLE SUB CONTRACTOR BEFORE FABRICATION OF STEEL. IF ANY DISCREPANCIES ARE FOUND, THE ARCHITECT/ENGINEER IS TO BE IMMEDIATELY NOTIFIED IN WRITING.

LINTEL SCHEDULE

OPENING WIDTH	FOR EACH 4" OF BRICK THICKNESS	WALL DIMENSION AND REINFORCING FOR CONCRETE BLOCK & CONCRETE				STEEL LINTEL	
		DEPTH	4" WALL	8" WALL	12" WALL	BEAM SIZE FOR 8" WALL	
MIN	MAX	STEEL SIZE					
—	2'-0"	L3"x 3 1/2"x 1/4"	7 5/8"	2 #5	2#5 BOTT	2#5 BOTT	W8x10
2'-0"	3'-0"	L3"x 3 1/2"x 1/4"	7 5/8"	2 #5	2#5 BOTT	2#5 BOTT	W8x10
3'-0"	5'-0"	L3"x 3 1/2"x 1/4"	7 5/8"	2 #5	2#5 BOTT	2#5 BOTT	W8x15
5'-0"	6'-0"	L3 1/2"x 4"x 1/4"	7 5/8"	—	2#7 BOTT	2#6 BOTT	W8x15
6'-0"	8'-0"	L3 1/2"x 5"x 1/4"	7 5/8"	—	2#8 BOTT	2#7 BOTT	W8x18
8'-0"	10'-0"	L3 1/2"x 6"x 5/16"	15 5/8"	—	2#8 BOTT	—	W8x21

NOTE: DO NOT USE THIS SCHEDULE IF CONCENTRATED LOADS ARE APPLIED. PROVIDE 8" MIN BEARING EACH END.

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