GENERAL NOTES

- READ THE STRUCTURAL DRAWINGS IN CONJUNCTION WITH ALL OTHER PERTINENT CONTRACT DOCUMENTS.
- ALL DIMENSIONS ARE IN METRIC UNITS UNLESS NOTED. THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS SHOWN ON THE STRUCTURAL DRAWINGS AGAINST THE BUILDING, PROCESS, MECHANICAL, AND ELECTRICAL DRAWINGS THE EXISTING SITE CONDITIONS BEFORE BEGINNING CONSTRUCTION AND REPORT DISCREPANCIES TO THE CONTRACT ADMINISTRATOR BEFORE PROCEEDING WITH THE WORK. DO NOT SCALE DRAWINGS.
- THE DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE MANITOBA BUILDING CODE 2010, 3. IT'S SUPPLEMENTS AND THE LATEST EDITIONS OF REFERENCED CODES AND STANDARDS THEREIN, UNLESS NOTED OTHERWISE. BUILDING IMPORTANCE CATEGORY: NORMAL.
- REFER TO THE BUILDING, PROCESS, MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATIONS AND 4. DIMENSIONS OF OPENINGS, SLEEVES AND OTHER BUILDING COMPONENTS NOT SHOWN ON THE STRUCTURAL DRAWINGS. REPORT DISCREPANCIES AND OBTAIN CONTRACT ADMINISTRATOR'S PRIOR APPROVAL BEFORE INSTALLING SLEEVES AND OPENINGS THAT ARE NOT INDICATED ON THE STRUCTURAL DRAWINGS BEFORE PROCEEDING WITH CONSTRUCTION.
- REFER TO BUILDING, PROCESS, MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATION OF PITS, BASES, 5. DRAINS, TRENCHES, SUMPS, HOUSEKEEPING PADS, DEPRESSIONS, GROOVES, CURBS, CHAMFERS AND SLOPES NOT SHOWN ON THE STRUCTURAL DRAWINGS.
- CONTRACTOR TO CONFIRM WITH EQUIPMENT SUPPLIERS DIMENSIONS AND ALL OTHER CRITICAL DETAILS 6. PRIOR TO CONSTRUCTION AND INSTALLATION. REPORT DISCREPANCIES AND OBTAIN APPROVAL PRIOR TO CONSTRUCTION.
- NOTIFY THE CONTRACT ADMINISTRATOR 48 HOURS IN ADVANCE FOR SITE REVIEW. 7.
- DRAWINGS SHOW COMPLETED STRUCTURES ONLY. PROVIDE TEMPORARY BRACING FOR CONSTRUCTION LOADING CONDITIONS AND STABILITY OF THE STRUCTURE DURING CONSTRUCTION. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN LOADS SHOWN ON DRAWINGS.
- CONSTRUCTION METHODS REQUIRING TEMPORARY SHORING, OR BRACING, SHALL BE SUBMITTED TO THE CONTRACT ADMINISTRATOR FOR REVIEW. THE CONTRACTOR SHALL RETAIN A PROFESSIONAL ENGINEER. REGISTERED IN THE PROVINCE OF MANITOBA, TO PROVIDE ENGINEERING DESIGN AND TAKE RESPONSIBILITY FOR ANY SHORING AND BRACING OR OTHER WORK REQUIRING ENGINEERING DESIGNS TO COMPLETE THE CONSTRUCTION.
- VERIFY LOCATION OF UNDERGROUND SERVICES AND BE RESPONSIBLE FOR DISRUPTIONS. 10.
- ALL SHOP DRAWING SUBMITTALS TO BE METRIC (MILLIMETERS) UNLESS NOTED. 12.

EXCAVATION & BACKFILL

- EXCAVATE TO LINES AND LEVELS NECESSARY TO PROPERLY COMPLETE THE WORK. CONTROL EXCAVATION TO ENSURE BOTTOM OF EXCAVATION DOES NOT SOFTEN DUE TO EXCESS MOISTURE. REFERENCE THE GEOTECHNICAL REPORT FOR FURTHER INFORMATION.
- ALL BACKFILL SHALL BE COMPACTED USING MECHANICAL EQUIPMENT. ON THE EXTERIOR OF THE STRUCTURES, THE BACKFILLING SHALL BE PLACED WITH SUFFICIENT ALLOWANCE FOR SETTLEMENT AND IN GENERAL, ITS TOP SURFACE SHALL BE NEATLY GRADED.
- MAINTAIN OPTIMUM MOISTURE CONTENT TO PERMIT COMPACTION TO ATTAIN SPECIFIED DENSITIES. PROTECT BACKFILLED GRADE, DURING AND AFTER COMPLETION OF BACKFILL OPERATION, FROM SOFTENING DUE TO EXCESS MOISTURE.
- BACKFILL TO GRADES INDICATED IN LAYERS NOT EXCEEDING 300mm UNCOMPACTED, UNLESS NOTED OTHERWISE

FOUNDATION

- GEOTECHNICAL REPORT IS AVAILABLE AS REFERENCED IN THE CONTRACT SPECIFICATIONS.
- ALLOWABLE BEARING CAPACITY FOR RAFT FOUNDATION IS AVAILABLE IN GEOTECHNICAL REPORT. 2.
- MODULUS OF SUBGRADE REACTION AT FOUNDATION LEVEL IS AVAILABLE IN GEOTECHNICAL REPORT. 3.
- BEARING SURFACES FOR RAFT FOUNDATIONS SHALL BE REVIEWED AND ACCEPTED BY THE CONTRACT ADMINISTRATOR PRIOR TO CASTING OF CONCRETE. PROTECT BEARING SURFACES. DO NOT PLACE CONCRETE ON FROZEN SOIL.
- PREVENT SUBGRADE FROM FREEZING AFTER CASTING CONCRETE WORKS UNTIL CONSTRUCTION IS COMPLETE AND STRUCTURES ARE IN SERVICE.

DESIGN LOADS

- THE STRUCTURE IS DESIGNED TO MEET THE REQUIREMENTS OF THE 2010 NATIONAL BUILDING CODE.
- WIND LOADS THE BUILDING STRUCTURE IS DESIGNED TO RESIST THE HORIZONTAL LOADS RESULTING FROM 1/50 AVERAGE HOURLY WIND PRESSURE BASED ON A q=0.45 kPa WITH AN IMPORTANCE CATEGORY OF "NORMAL'
- SNOW LOADS: THE ROOF AREA ARE DESIGNED BASED ON: GROUND SNOW LOAD = 1.9kPa RAIN LOAD = 0.20 kPa
- FLOOR LOADS REFER TO STRUCTURAL DRAWINGS

CONCRETE

- PROVIDE CONCRETE AND PERFORM WORK TO CSA A23.1. SUPPLY CONCRETE TO ALTERNATIVE (1) PERFORMANCE. THE CONTRACTOR SHALL HAVE A COPY OF THIS STANDARD ON SITE AT ALL TIMES.
- TEST CONCRETE IN ACCORDANCE WITH CSA A23.2. 2.

CONCRETE ACCESSORIES

- GROUT: NON-SHRINK, NON-METALLIC GROUT WITH MINIMUM STRENGTH AT THREE DAYS OF 20 MPA AND MINIMUM STRENGTH AT 28 DAYS OF 50 MPA.
- EXPANSION ANCHORS: OF DIAMETER & PENETRATION SHOWN. CAPACITIES ARE BASED ON HILTI CANADA ANCHOR 2. SYSTEMS. SUBMIT ANCHOR LOAD RESISTANCE DATA FROM INDEPENDENT TESTING FIRM FOR REVIEW BY CONTRACT ADMINISTRATOR MINIMUM 2 WEEKS PRIOR TO INTENDED USE.
- EPOXY ANCHORS: OF DIAMETER & PENETRATION SHOWN. SHEAR AND TENSION CAPACITIES ARE BASED ON 3. HILTI HY-200 + HIT-HAS SUPER HARDWARE, SUBMIT ANCHOR LOAD RESISTANCE DATA FROM INDEPENDENT TESTING FIRM FOR REVIEW BY CONTRACT ADMINISTRATOR MINIMUM 2 WEEKS PRIOR TO INTENDED USE.

MASONRY

- ALL MASONRY WORK SHALL CONFORM TO CSA S304.1, A371 AND TO DETAILS SHOWN ON DRAWINGS.
- MASONRY BLOCK UNITS SHALL CONFORM TO CSA A165, CLASSIFICATION H/15/A/M WITH A MINIMUM UNIT STRENGTH OF 15 MPa, UNLESS NOTED OTHERWISE.
- ALL MORTAR SHALL CONFORM TO CSA A179 AND SHALL BE TYPE 'S'. 3
- LINTELS, BOND BEAMS, AND REINFORCED CORES SHALL BE FILLED WITH CONCRETE HAVING A MINIMUM 4 COMPRESSIVE STRENGTH OF 20 MPA.
- PROVIDE DOWELS FROM CONCRETE BEAMS, WALL AND FLOORS TO MATCH MASONRY WALL REINFORCING UNLESS NOTED OTHERWISE.

CONCRETE REINFORCEMENT

- 1.
- 2. CONFORM TO CSA W186.
- 3.
- 4. INSTITUTE OF CANADA DETAILING MANUAL.
 - 5. OTHERWISE
 - 6. BELOW UNLESS NOTED OTHERWISE:

PUMP STATION - ITEM	COVERAGE (mm)
LOWER LEVEL BASE SLABS (BOTTOM)	75
WALLS (BOTH FACES)	50
MAIN FLOOR, INTERMEDIATE LEVEL, AND LOWER LEVEL SLABS TOP	50
MAIN FLOOR, INTERMEDIATE LEVEL, AND LOWER LEVEL SLABS SIDES	50
MAIN FLOOR AND INTERMEDIATE LEVEL SLABS BOTTOM	50
CONCRETE BEAMS: SIDE (TO OUTSIDE FACE OF STIRRUP)	50
CONCRETE BEAMS: TOP AND BOTTOM (TO OUTSIDE FACE OF STIRRUP)	50
CURBS	50
FORMED SURFACES NOT EXPOSED TO GROUND, WATER, OR WEATHER NOT LISTED ABOVE	50
HOUSEKEEPING PADS	50

MIX TYPE	INTENDED APPLICATION	MINIMUM COMPRESIVE STRENGTH (MPa)	CLASS OF EXPOSURE
1	STRUCTURAL CONCRETE	35 (28-DAY)	S-1 & C-1
2	CONCRETE TOPPING SLAB	20 (28-DAY)	C-1
3	NON-STRUCTURAL INTERIOR HOUSEKEEPING PADS	30 (28-DAY)	Ν
4	CONCRETE UNIT MASONRY INFILL	20 (28-DAY)	Ν

WATERSTOPS

1.	WATER STOPS ARE SHOWN CONSTRUCTION JOINTS IN L WATERSTOPPED.
2.	CONSTRUCTION JOINTS ARE TO REVIEW CONSTRUCTION LOCATION TO EXPEDITE THI

REVISED JOINT LOCATION. З.

MISCELLANEOUS METALS

REQUIRED FOR THE STRUCTURE DURING ERECTION. **BITUMINOUS PAINT:** .2 CONCRETE, MORTAR AND MASONRY. 4.

3.

- ANCHOR RODS: CONFORMING TO ASTM F1554. 5
- WELDING MATERIALS: CONFORMING TO CSA W59.

- ANCHORAGE AND RELATED COMPONENTS OF SAME MATERIAL AND FINISH AS STEEL FABRICATIONS, UNLESS
- Certificate of Authorization AECOM Canada Ltd. No. 4671 Date:

DEFORMED BARS CONFORMING TO CSA G30.18 GRADE 400. LAP SPLICES SHALL BE CLASS B TENSION LAP TYPE AS NOTED IN THE BELOW TABLE, UNLESS NOTED OTHERWISE.

WELDABLE REINFORCING BARS SHALL CONFORM TO CSA G30.18 GRADE 400W. WELDING OF REINFORCING SHALL

REINFORCING WORK SHALL BE IN ACCORDANCE WITH CSA A23.1 AND CSA A23.3.

REINFORCING STEEL SHALL BE DETAILED IN ACCORDANCE WITH THE LATEST EDITION OF THE REINFORCING STEEL

90° HOOKS AND 180° HOOKS WHERE SHOWN SHALL BE DETAILED AS STANDARD HOOKS UNLESS NOTED

CONCRETE COVER TO REINFORCING STEEL SHALL CONFORM TO THE MOST STRINGENT REQUIREMENT LISTED

REINFORCING BAR DEVELOPMENT PER ACI 350					
f'c = 35 MPa			fy = 400 MPa		
BAR SIZE	BAR DEVELOPMENT	COMPRESSION DEVELOPMENT	STANDARD HOOK DEVELOPMENT		
10M	420mm	200mm	180mm		
15M	630mm	280mm	270mm		
20M	840mm	355mm	360mm		
25M	1295mm	460mm	450mm		

REINFORCING BAR SPLICES PER ACI 350					
f'c = 35 MPa	fy = 400 MPa				
BAR SIZE	CLASS 'B' SPLICE				
10M	545mm				
15M	820mm				
20M	1090mm				
25M	1685mm				

I ON PLANS AND SECTIONS FOR INFORMATION ONLY. IN GENERAL ALL LIQUID RETAINING STRUCTURES AND ALL JOINTS BELOW GRADE ARE TO BE

E SHOWN FOR INFORMATION ONLY AND THE CONTRACTOR ENCOURAGED N PROCEDURES AND PROPOSE ALTERNATIVE CONSTRUCTION JOINT HE WORK. THE CONTRACT ADMINISTRATOR MUST APPROVE ALL

WATERSTOPS TO BE 150 PVC AS PER CW2160. SUBSTITUTIONS WILL NOT BE ALLOWED WITHOUT WRITTEN APPROVAL FROM THE CONTRACT ADMINISTRATOR.

THE STEEL ERECTOR SHALL BE RESPONSIBLE FOR SUPPLING AND ERECTING ALL TEMPORARY WORKS

WELD TO CSA W59 BY FABRICATORS QUALIFIED TO CSA W47.1, IN DIVISION 2.

ISOLATE MISC. METALS FROM FOLLOWING COMPONENTS BY MEANS OF 2 COATS OF AKALI RESISTANT

.1 DISSIMILAR METALS EXCEPT STAINLESS STEEL, GALVANIZED STEEL, ZINC, OR WHITE BRONZE OF SMALL AREA.

STEEL PLATES: CONFORMING TO CAN/CSA G40.21; TYPE W WITH A MINIMUM YIELD STRENGTH OF 300 MPa.

WELDING OF ALL LOAD CARRYING ASSEMBLIES IS TO BE PERFORMED BY A FIRM CERTIFIED BY THE CANADIAN WELDING BUREAU TO THE REQUIREMENTS OF CSA W47.1 IN DIVISION 2.

SUPPLY ALL COMPONENTS REQUIRED FOR PROPER ANCHORAGE OF STEEL FABRICATIONS. FABRICATE

OTHERWISE SPECIFIED OR SHOWN.

NELSON STUDS: H4L HEADED STUDS BY NELSON STUD, A DONCASTERS GROUP LIMITED COMPANY.

PLASTIC FABRICATIONS

- INSTALLATION IN ACCORDANCE WITH MANUFACTURER'S SHOP DRAWINGS
- FRP ANGLES BY FIBERGRATE. REFER TO DRAWINGS AND SPECIFICATIONS FOR LOCATIONS AND DETAILS.

ALUMINUM FABRICATIONS

- DESIGN, FABRICATION AND INSTALLATION IN ACCORDANCE WITH CSA S157. 1.
- 2. PERFORM WELDING OF ALUMINUM IN ACCORDANCE WITH REQUIREMENTS OF CSA W59.2 AND CSA S244.
- ALUMINUM TO CSA/CAN 3-S157, 6061-T6 OR 6063-T6 ALUMINUM ALLOY. 3.
- BOLTS AND ANCHOR BOLTS: STAINLESS STEEL. 4.
- ISOLATE ALUMINUM FROM FOLLOWING COMPONENTS, BY MEANS OF BITUMINOUS PAINT: DISSIMILR METALS EXCEPT STAINLESS STEEL AND GALVANIZED STEEL. CONCRETE, MORTAR AND MASONRY.

WOOD

- WOOD CONSTUCTION SHALL CONFORM TO CSA 086-09 AND PART 9 OF NBC 2010. 1.
- ROOF SHEATHING: DOUGLAS FIR PLYWOOD TO CSA-0121, OR CANADIAN SOFTWOOD PLYWOOD TO CSA-015.
- WOOD FRAMING MATERIAL (UNLESS NOTED OTHERWISE SPECIFIED): S-P-F OR D.FIR.L NO.1/NO.2 (S-DRY) ROOF TRUSSES: KILN DRIED
- ALL TRUSSES AND FRAMING DELIVERED TO THE SITE SHALL BE KEPT DRY. NO WARPED MATERIAL SHALL BE USED.
- PREFABRICATE WOOD TRUSSES TO PROFILES, DIMENSIONS AND LOADS SHOWN ON DRAWINGS. SUPPLIER TO 5. DESIGN TRUSSES WITH CONSIDERATION OF TRANSPORTATION, FABRICATION, AND ERECTION, UNDER PART 4 OF NBC 2010 AND IN ACCORDANCE WITH CSA 086-09.
- SUBMIT SHOP DRAWINGS TO THE ENGINEER OR REVIEW PRIOR TO FABRICATION. SHOP DRAWINGS SHALL BE SEALED 6 BY A PROFFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF MANITOBA. SHOP DRAWINGS SHALL INDICATE DESIGN LOADS, LUMBER SPECIES AND GRADES, SPACING OF TRUSSES, JOINT DETAILS AND CONNECTOR CAPACITIES, MEMBER FORCES, REACTIONS, AND CAMBER.
- INSTALL SHEATHING TO PRIMARY FRAMING BEFORE INSTALLING VALLEY JACK RAFTERS AND SECONDARY FRAMING.
- 8. INSTALL ALL NECESSARY BRIDGING, BRACING AND BLOCKS.

UNDERGROUND STRUCTURES	B.M ELE		_			AEC			ENGINEER
SUPV. U/G STRUCTURES DATE					-	AE			
					DESIGNED BY	KK/JT	CHECKED BY	SBB	
LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION					DRAWN BY	КК	APPROVED BY	AN	IT STERES
AVAILABLE. BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE					HOR. SCALE	AS SHOWN	RELEASED FOR CONSTRUCTION		
OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.	O NO.	ISSUED FOR TENDER	17/01/09 DATE	КК вү	DATE	06/01/2016	DATE	09/06/2016	-

STRUCTURAL STANDARD ABBREVIATIONS:

ACST

ADD`L

ADH

ADJ

AGGR

A.H.U.

A.V.B.

ALUM

APT

AVG

BRG

B.M.

BET

BD

B.S.

B.W

BLL

BUL

BLDG

C.I.P.

C.I.

CB

C/C

CIRC

C.O.

COL

CMU

CONSTR

CP

C.J.

CONT

CMP

CSK

D.L

DIA

DIM

DN DWL

E.F.

E.W.

ELECT

ELEV

EQ SP

EXIST

EQ.

EXC

EXP

E.J. EX1

F/F

F.S.

FIN

F.D.

FDN

FTG

GALV

G.I.

GA

G.B

GRAN

GBFL G.L.

G.R.

F.O.C.

FBRBD

DWG

C/W CONC

CL. SPAN

C.BD.

x (lower case)

BOT

ALTER

A. BOLT

APPROX

BUILDING

ACOUSTIC
ADDITIONAL
ADHESIVE
ADJUSTABLE
AGGREGATE
AIR HANDLING UNIT
AIR VAPOUR BARRIER
ALTERNATE
ALUMINUM
ANCHOR BOLT
APARTMENT
APPROXIMATE
BUILDING
AT
AVERAGE
BEARING
BENCH MARK
BETWEEN
BOARD
BOTH SIDES
BOTH WAYS
воттом
BOTTOM LOWER LAYER
BOTTOM UPPER LAYER
BUILDING
BY (BETWEEN DIMS)
CAST IN PLACE
CAST IRON
CATCH BASIN
CEMENT BOARD
CENTERLINE
CENTER TO CENTER
CIRCULAR
CLEAN OUT
CLEAR SPAN
COLUMN
COMPLETE WITH
CONCRETE
CONCRETE MASONRY UNIT
CONCRETE PIPE
CONSTRUCTION
CONSTRUCTION JOINT
CONTINUOUS
CORRUGATED METAL PIPE
CORRUGATED METAL PIPE
COUNTERSUNK
COUNTERSUNK DEAD LOAD
COUNTERSUNK DEAD LOAD DEGREE
COUNTERSUNK DEAD LOAD DEGREE DIAMETER
COUNTERSUNK DEAD LOAD DEGREE
COUNTERSUNK DEAD LOAD DEGREE DIAMETER
COUNTERSUNK DEAD LOAD DEGREE DIAMETER DIMENSION DOWN
COUNTERSUNK DEAD LOAD DEGREE DIAMETER DIMENSION DOWN DOWEL
COUNTERSUNK DEAD LOAD DEGREE DIAMETER DIMENSION DOWN DOWEL DRAWING
COUNTERSUNK DEAD LOAD DEGREE DIAMETER DIMENSION DOWN DOWEL DRAWING EACH FACE
COUNTERSUNK DEAD LOAD DEGREE DIAMETER DIMENSION DOWN DOWEL DRAWING EACH FACE EACH WAY
COUNTERSUNK DEAD LOAD DEGREE DIAMETER DIMENSION DOWN DOWEL DRAWING EACH FACE EACH WAY EAST
COUNTERSUNK DEAD LOAD DEGREE DIAMETER DIMENSION DOWN DOWEL DRAWING EACH FACE EACH WAY
COUNTERSUNK DEAD LOAD DEGREE DIAMETER DIMENSION DOWN DOWEL DRAWING EACH FACE EACH WAY EAST ELECTRICAL
COUNTERSUNK DEAD LOAD DEGREE DIAMETER DIMENSION DOWN DOWEL DRAWING EACH FACE EACH WAY EAST ELECTRICAL ELEVATION
COUNTERSUNK DEAD LOAD DEGREE DIAMETER DIMENSION DOWN DOWEL DRAWING EACH FACE EACH WAY EAST ELECTRICAL ELEVATION ELEVATOR
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COUNTERSUNK DEAD LOAD DEGREE DIAMETER DIMENSION DOWN DOWEL DRAWING EACH FACE EACH WAY EAST ELECTRICAL ELEVATION ELEVATOR EQUAL EQUAL SPACE EXCAVATION
COUNTERSUNK DEAD LOAD DEGREE DIAMETER DIMENSION DOWN DOWEL DRAWING EACH FACE EACH WAY EAST ELECTRICAL ELEVATION ELEVATOR EQUAL EQUAL SPACE
COUNTERSUNK DEAD LOAD DEGREE DIAMETER DIMENSION DOWN DOWEL DRAWING EACH FACE EACH WAY EAST ELECTRICAL ELEVATION ELEVATOR EQUAL EQUAL SPACE EXCAVATION
COUNTERSUNK DEAD LOAD DEGREE DIAMETER DIMENSION DOWN DOWEL DRAWING EACH FACE EACH WAY EAST ELECTRICAL ELEVATION ELEVATOR EQUAL EQUAL SPACE EXCAVATION EXISTING EXPANSION
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COUNTERSUNK DEAD LOAD DEGREE DIAMETER DIMENSION DOWN DOWEL DRAWING EACH FACE EACH WAY EAST ELECTRICAL ELEVATION ELEVATOR EQUAL EQUAL SPACE EXCAVATION EXISTING EXPANSION JOINT EXTERIOR
COUNTERSUNK DEAD LOAD DEGREE DIAMETER DIMENSION DOWN DOWEL DRAWING EACH FACE EACH WAY EAST ELECTRICAL ELEVATION ELEVATOR EQUAL EQUAL SPACE EXCAVATION EXISTING EXPANSION EXPANSION JOINT EXTERIOR FACE TO FACE
COUNTERSUNK DEAD LOAD DEGREE DIAMETER DIMENSION DOWN DOWEL DRAWING EACH FACE EACH WAY EAST ELECTRICAL ELEVATION ELEVATOR EQUAL EQUAL SPACE EXCAVATION EXISTING EXPANSION EXPANSION JOINT EXTERIOR FACE TO FACE FACE OF CONCRETE
COUNTERSUNK DEAD LOAD DEGREE DIAMETER DIMENSION DOWN DOWEL DRAWING EACH FACE EACH WAY EAST ELECTRICAL ELEVATION ELEVATOR EQUAL EQUAL SPACE EXCAVATION EXISTING EXPANSION EXPANSION JOINT EXTERIOR FACE TO FACE FACE OF CONCRETE FAC SIDE
COUNTERSUNK DEAD LOAD DEGREE DIAMETER DIMENSION DOWN DOWEL DRAWING EACH FACE EACH WAY EAST ELECTRICAL ELEVATION ELEVATOR EQUAL EQUAL SPACE EXCAVATION EXISTING EXPANSION EXPANSION JOINT EXTERIOR FACE TO FACE FACE OF CONCRETE FAC SIDE FIBREBOARD
COUNTERSUNK DEAD LOAD DEGREE DIAMETER DIMENSION DOWN DOWEL DRAWING EACH FACE EACH WAY EAST ELECTRICAL ELEVATION ELEVATOR EQUAL EQUAL SPACE EXCAVATION EXISTING EXPANSION EXPANSION EXPANSION EXPANSION EXPANSION EXPANSION EXPANSION EXPANSION EXPANSION EXPANSION FACE TO FACE FACE OF CONCRETE FAR SIDE FIBREBOARD FINISH
COUNTERSUNK DEAD LOAD DEGREE DIAMETER DIMENSION DOWN DOWEL DRAWING EACH FACE EACH WAY EAST ELECTRICAL ELEVATION ELEVATOR EQUAL EQUAL SPACE EXCAVATION EXISTING EXPANSION EXPANSION JOINT EXTERIOR FACE TO FACE FACE OF CONCRETE FAC SIDE FIBREBOARD
COUNTERSUNK DEAD LOAD DEGREE DIAMETER DIMENSION DOWN DOWEL DRAWING EACH FACE EACH WAY EAST ELECTRICAL ELEVATION ELEVATOR EQUAL EQUAL SPACE EXCAVATION EXISTING EXPANSION EXPANSION EXPANSION EXPANSION EXPANSION EXPANSION EXPANSION EXPANSION EXPANSION EXPANSION EXPANSION EXPENSION EXPANSION FACE TO FACE FACE OF CONCRETE FAR SIDE FIBREBOARD FINISH FLOOR DRAIN
COUNTERSUNK DEAD LOAD DEGREE DIAMETER DIMENSION DOWN DOWEL DRAWING EACH FACE EACH WAY EAST ELECTRICAL ELEVATION ELEVATOR EQUAL EQUAL SPACE EXCAVATION EXISTING EXPANSION EXPANSION EXPANSION EXPANSION EXPANSION EXPANSION EXPANSION EXPANSION EXTERIOR FACE TO FACE FACE OF CONCRETE FAR SIDE FIBREBOARD FINISH FLOOR DRAIN FOUNDATION
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COUNTERSUNK DEAD LOAD DEGREE DIAMETER DIMENSION DOWN DOWEL DRAWING EACH FACE EACH WAY EAST ELECTRICAL ELEVATION ELEVATOR EQUAL EQUAL SPACE EXCAVATION EXISTING EXPANSION JOINT EXTERIOR FACE TO FACE FACE OF CONCRETE FACE OF CONCRETE FACE OF CONCRETE FAR SIDE FIBREBOARD FINISH FLOOR DRAIN FOUNDATION FOOTING GALVANIZE
COUNTERSUNK DEAD LOAD DEGREE DIAMETER DIMENSION DOWN DOWEL DRAWING EACH FACE EACH WAY EAST ELECTRICAL ELEVATION ELEVATOR EQUAL EQUAL SPACE EXCAVATION EXISTING EXPANSION JOINT EXTERIOR FACE TO FACE FACE OF CONCRETE FACE OF CONCRETE FACE OF CONCRETE FAR SIDE FIBREBOARD FINISH FLOOR DRAIN FOUNDATION FOOTING GALVANIZE GALVANIZE IRON
COUNTERSUNK DEAD LOAD DEGREE DIAMETER DIMENSION DOWN DOWEL DRAWING EACH FACE EACH WAY EAST ELECTRICAL ELEVATION ELEVATOR EQUAL EQUAL SPACE EXCAVATION EXISTING EXPANSION JOINT EXTERIOR FACE TO FACE FACE OF CONCRETE FACE OF CONCRETE FAR SIDE FIBREBOARD FINISH FLOOR DRAIN FOUNDATION FOOTING GALVANIZE GALVANIZED IRON GAUGE
COUNTERSUNK DEAD LOAD DEGREE DIAMETER DIMENSION DOWN DOWEL DRAWING EACH FACE EACH WAY EAST ELECTRICAL ELEVATION ELEVATOR EQUAL EQUAL SPACE EXCAVATION EXISTING EXPANSION JOINT EXTERIOR FACE TO FACE FACE OF CONCRETE FACE OF CONCRETE FACE OF CONCRETE FAR SIDE FIBREBOARD FINISH FLOOR DRAIN FOUNDATION FOOTING GALVANIZE GALVANIZE IRON
COUNTERSUNK DEAD LOAD DEGREE DIAMETER DIMENSION DOWN DOWEL DRAWING EACH FACE EACH WAY EAST ELECTRICAL ELEVATION ELEVATOR EQUAL EQUAL SPACE EXCAVATION EXISTING EXPANSION JOINT EXTERIOR FACE TO FACE FACE OF CONCRETE FACE OF CONCRETE FAR SIDE FIBREBOARD FINISH FLOOR DRAIN FOUNDATION FOOTING GALVANIZE GALVANIZED IRON GAUGE
COUNTERSUNK DEAD LOAD DEGREE DIAMETER DIMENSION DOWN DOWEL DRAWING EACH FACE EACH WAY EAST ELECTRICAL ELEVATION ELEVATOR EQUAL EQUAL SPACE EXCAVATION EXISTING EXPANSION JOINT EXTERIOR FACE TO FACE FACE OF CONCRETE FACE OF CONCRETE FAR SIDE FIBREBOARD FINISH FLOOR DRAIN FOUNDATION FOOTING GALVANIZE DIRON GAUGE GRANULAR GRANULAR BASE
COUNTERSUNK DEAD LOAD DEGREE DIAMETER DIMENSION DOWN DOWEL DRAWING EACH FACE EACH WAY EAST ELECTRICAL ELEVATION ELEVATOR EQUAL EQUAL SPACE EXCAVATION EXISTING EXPANSION JOINT EXTERIOR FACE TO FACE FACE OF CONCRETE FACE OF CONCRETE FAR SIDE FIBREBOARD FINISH FLOOR DRAIN FOUNDATION FOOTING GALVANIZE GRANULAR BASE GRANULAR BASE GRANULAR BASE GRANULAR BACK FILL
COUNTERSUNK DEAD LOAD DEGREE DIAMETER DIMENSION DOWN DOWEL DRAWING EACH FACE EACH WAY EAST ELECTRICAL ELEVATION ELEVATOR EQUAL EQUAL SPACE EXCAVATION EXISTING EXPANSION JOINT EXTERIOR FACE TO FACE FACE OF CONCRETE FACE OF CONCRETE FAR SIDE FIBREBOARD FINISH FLOOR DRAIN FOUNDATION FOOTING GALVANIZE DIRON GAUGE GRANULAR GRANULAR BASE

HEIGHT
HEXAGON HOLLOW
HORIZON
INCLUSIV
INSIDE DI
INTERIOR
INVERT E
KILONEW
KNOCK DO
LIVE LOAI
LONG LEC
LONG LEC
MAKE UP
MANUFAC MARK
MASONRY
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HANGER STRUCTURAL STEEL **JTAL** DIAMETER ACE ELEVATION TON OWN EG HORIZONTAL EG VERTICAL **AIR UNIT** CTURE RY OPENING IICAL TER ANEOUS ICABLE ONTRACT SCALE FR EB STEEL JOIST DIAMETER FACE OUT DICULAR PER LINEAR FOOT PER SQUARE FOOT ICATED HED JARY ΓΙΟΝ NCE RCE WITH CING NG WALL RAIN OPENING HESIVE CATION FEET SS STEEL JRAI RICAL ARY H EXISTING TOP LOWER LEVEL TOP UPPER LEVEL TYPICAL UNDERCUT UNLESS NOTED VERTICAL WEIGHT WIND LOAD WITH WITH OUT WOOD WROUGHT IRON

HGR HFX HSS HORI7 INCL LD. IF INT INVT EL JCT kN K.D. L.L. LG L.L.H. L.L.V. LVR MAU MFG MK M.O. MATL MAX MECH m (lower case) mm (lower case) MISC N.F. N.S. N/A N.I.C. N.T.S. o/c (lower case) OPG O.W.S.J. OPP ORIG O.D. O.F. Ω/Ω O/H PERP PLF PSF PLYWD P/CPREFAB PREFIN PRELIM PROJ QTY REF R/W REINE REQ'D R.W REV R.D. R.O. SCHED SECT S.A. SHTG SHT SIM SPEC SQ. FT. S.S. STD STIFF STIRR STRUCT SYM TAN TEMP T.M.E. T.O. TLL TUL TYP U. CUT U/N VERT WΤ W.L. W/O WD W.I.



WHOLE NUMBERS INDICATE MILLIMETRES DECIMALIZED NUMBERS INDICATE METRES

