ALL MATERIALS, WORKMANSHIP, DESIGN, AND CONSTRUCTION SHALL CONFORM TO THE DRAWINGS, SPECIFICATIONS, THE 2015 EDITION OF THE INTERNATIONAL BUILDING CODE (IBC).

2. <u>DESIGN LOADING CRITERIA</u>

ROOF SNOW LOAD

FLOOR LIVE LOAD (CATWALKS)

GUARDRAILS/BALCONY RAILS (OTHER THAN EXIT FACILITY)

MEIGHTS FURNISHED BY MANUFACTURER

WIND ANALYSIS PROCEDURE: ASCE 7-10 CHAPTER 27 "PART II - ENCLOSED SIMPLE DIAPHRAGM"
RISK CATEGORY II
IIO MPH
EXPOSURE "B"
TOPOGRAPHIC FACTOR Kzt = 1.0

CLADDING / WINDOW DESIGN PRESSURE (MAX.)

ROOFING DESIGN PRESSURE NOT AT A CORNER (MAX.)

ROOFING DESIGN PRESSURE AT CORNER (MAX.)

T3 PSF
THE DESIGN WIND PRESSURES LISTED ABOVE ARE INWARD OR OUTWARD AND ARE BASED ON AN EFFECTIVE
WIND AREA OF IO SQUARE FEET NEAR A BUILDING CORNER, U.O.N. CORNER AND OTHER ZONES ARE DEFINED
BY FIGURE 30.5-I IN ASCE 7-IO. REDUCED DESIGN PRESSURES MAY BE CALCULATED USING ASCE 7. NOTE
THAT THE DESIGN WIND PRESSURES NOTED ABOVE ARE ULTIMATE VALUES PER THE 2015 IBC AND SHALL BE
MULTIPLIED BY 0.6 FOR ALLOWABLE STRESS DESIGN.

ARTHQUAKE

ANALYSIS PROCEDURE: IBC "EQUIVALENT LATERAL FORCE PROCEDURE"

SEISMIC DESIGN CATEGORY (SDC) = D

RISK CATEGORY = II

SEISMIC SITE CLASS = D

IMPORTANCE FACTOR |e = 1.0

MAPPED MCE Ss = 1.24; SI = 0.48

DESIGN ACCELERATION Sds = 0.83; SdI = 0.49

SEE PLANS FOR ADDITIONAL LOADING CRITERIA. POST ALL COMMERCIAL OR INDUSTRIAL LIVE LOADS OVER 50 PSF PER IBC SECTION 106.

- 3. <u>STRUCTURAL DRAWINGS</u> SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS FOR BIDDING AND CONSTRUCTION. CONTRACTOR SHALL VERIFY DIMENSIONS AND CONDITIONS FOR COMPATIBILITY AND SHALL NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
- 4. <u>CONTRACTOR</u> SHALL VERIFY ALL EXISTING DIMENSIONS, MEMBER SIZES, AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS ARE INTENDED AS GUIDELINES ONLY AND MUST BE VERIFIED.
- 5. <u>CONTRACTOR</u> SHALL PROVIDE TEMPORARY BRACING FOR THE STRUCTURE AND STRUCTURAL COMPONENTS UNTIL ALL FINAL CONNECTIONS HAVE BEEN COMPLETED IN ACCORDANCE WITH THE PLANS.
- 6. <u>CONTRACTOR</u> SHALL BE RESPONSIBLE FOR ALL SAFETY PRECAUTIONS AND THE METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES REQUIRED TO PERFORM THEIR WORK. THE STRUCTURAL ENGINEER HAS NO OVERALL SUPERVISORY AUTHORITY OR ACTUAL AND/OR DIRECT RESPONSIBILITY FOR THE SPECIFIC WORKING CONDITIONS AT THE SITE AND/OR FOR ANY HAZARDS RESULTING FROM THE ACTIONS OF ANY TRADE CONTRACTOR. THE STRUCTURAL ENGINEER HAS NO DUTY TO INSPECT, SUPERVISE, NOTE, CORRECT, OR REPORT ANY HEALTH OR SAFETY DEFICIENCIES OF THE OWNER, CONTRACTORS, OR OTHER ENTITIES OR PERSONS AT THE PROJECT SITE.
- 7. <u>CONTRACTOR-INITIATED CHANGES</u> SHALL BE SUBMITTED IN WRITING TO THE ARCHITECT AND STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO FABRICATION OR CONSTRUCTION. CHANGES SHOWN ON SHOP DRAWINGS ONLY WILL NOT SATISFY THIS REQUIREMENT.
- 8. <u>DRAWINGS</u> INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED, SUBJECT TO REVIEW AND APPROVAL BY THE ARCHITECT AND THE STRUCTURAL ENGINEER. WHERE INFORMATION ON THE DRAWINGS IS IN CONFLICT WITH THE SPECIFICATIONS, THE MORE STRINGENT SHALL APPLY, SUBJECT TO REVIEW AND APPROVAL BY THE ARCHITECT AND THE STRUCTURAL ENGINEER. DO NOT SCALE THE DRAWINGS.
- 9. <u>ALL STRUCTURAL SYSTEMS</u> WHICH ARE COMPOSED OF FIELD ERECTED COMPONENTS SHALL BE SUPERVISED BY THE SUPPLIER DURING MANUFACTURING, DELIVERY, HANDLING, STORAGE AND ERECTION IN ACCORDANCE WITH INSTRUCTIONS PREPARED BY THE SUPPLIER.
- IO. <u>SHOP DRAWINGS</u>: FOR STRUCTURAL STEEL SHALL BE SUBMITTED TO THE ARCHITECT AND STRUCTURAL ENGINEER FOR REVIEW PRIOR TO FABRICATION OF THESE ITEMS.
- II. SHOP DRAWING REVIEW: DIMENSIONS AND QUANTITIES ARE NOT REVIEWED BY THE ENGINEER OF RECORD, AND THEREFORE MUST BE VERIFIED BY THE CONTRACTOR. CONTRACTOR SHALL REVIEW AND STAMP DRAWINGS PRIOR TO REVIEW BY ENGINEER OF RECORD. CONTRACTOR SHALL REVIEW DRAWINGS FOR CONFORMANCE WITH THE MEANS, METHODS, TECHNIQUES, SEQUENCES AND OPERATIONS OF CONSTRUCTION, AND ALL SAFETY PRECAUTIONS AND PROGRAMS INCIDENTAL THERETO.
- 12. SHOP DRAWING SUBMITTALS PROCESSED BY THE ENGINEER ARE NOT CHANGE ORDERS. THE PURPOSE OF SHOP DRAWING SUBMITTALS BY THE CONTRACTOR IS TO DEMONSTRATE TO THE ENGINEER THAT THE CONTRACTOR UNDERSTANDS THE DESIGN CONCEPT, BY INDICATING WHICH MATERIAL IS INTENDED TO BE FURNISHED AND INSTALLED AND BY DETAILING THE INTENDED FABRICATION AND INSTALLATION METHODS. IF DEVIATIONS, DISCREPANCIES, OR CONFLICTS BETWEEN SHOP DRAWING SUBMITTALS AND THE CONTRACT DOCUMENTS ARE DISCOVERED EITHER PRIOR TO OR AFTER SHOP DRAWING SUBMITTALS ARE PROCESSED BY THE ENGINEER, THE DESIGN DRAWINGS AND SPECIFICATIONS SHALL CONTROL AND SHALL BE FOLLOWED.
- 13. MECHANICAL UNIT CONNECTIONS TO THE STRUCTURE SHALL BE DESIGNED BY THE MANUFACTURER FOR THE DESIGN CRITERIA AND CONDITIONS SHOWN ON THE STRUCTURAL DRAWINGS. MANUFACTURER SHALL SUBMIT DETAIL DRAWINGS AND CALCULATIONS, BOTH OF WHICH BEAR THE STAMP AND SIGNATURE OF A REGISTERED PROFESSIONAL ENGINEER, STATE OF WASHINGTON. MANUFACTURER'S ENGINEER SHALL BE RESPONSIBLE FOR DESIGN, CODE CONFORMANCE, AND CONNECTION OF THE UNIT TO THE BASIC STRUCTURE. ALL NECESSARY BRACING, TIES, ANCHORAGE, DISTRIBUTION MEMBERS, AND SIMILAR ELEMENTS SHALL BE FURNISHED AND INSTALLED IN CONFORMANCE WITH SUBMITTED DRAWINGS AND CALCULATIONS.
- 14. SPECIAL INSPECTION: STRUCTURAL STEEL FABRICATION AND ERECTION (INCLUDING HIGH-STRENGTH FIELD BOLTING), METAL DECK INSTALLATION, EXPANSION BOLTS, SCREW ANCHORS, AND EPOXY GROUTED INSTALLATIONS SHALL BE SUPERVISED IN ACCORDANCE WITH IBC SECTIONS 1704 & 1705 AND THE PROJECT SPECIFICATIONS BY A QUALIFIED TESTING AGENCY DESIGNATED BY THE OWNER. THE TESTING AGENCY SHALL SEND COPIES OF ALL STRUCTURAL TESTING AND INSPECTION REPORTS DIRECTLY TO THE OWNER, ARCHITECT, STRUCTURAL ENGINEER, CONTRACTOR AND BUILDING OFFICIAL. ANY MATERIALS WHICH FAIL TO MEET PROJECT SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.

<u>GEOTECHNICAL</u>

15. <u>FOUNDATION NOTES</u>: ALLOWABLE SOIL PRESSURE AND LATERAL EARTH PRESSURE ARE ASSUMED (BASED ON THE PREVIOUSLY PERMITTED DRAWINGS: 12-22-1995) AND THEREFORE MUST BE VERIFIED IN THE FIELD. IF SOILS ARE FOUND TO BE OTHER THAN ASSUMED, NOTIFY THE STRUCTURAL ENGINEER FOR POSSIBLE FOUNDATION REDESIGN.

FOOTINGS SHALL BEAR ON FIRM, UNDISTURBED EARTH (CONTROLLED, COMPACTED STRUCTURAL FILL OR BOTH) AT LEAST 18" BELOW LOWEST ADJACENT FINISHED GRADE. FOOTING DEPTHS/ELEVATIONS SHOWN ON PLANS (OR IN DETAILS) ARE MINIMUM AND FOR GUIDANCE ONLY; THE ACTUAL ELEVATIONS OF FOOTINGS MUST BE ESTABLISHED BY THE CONTRACTOR IN THE FIELD. UNLESS OTHERWISE NOTED, FOOTINGS SHALL BE CENTERED UNDER COLUMNS OR WALLS ABOVE.

BACKFILL BEHIND ALL RETAINING WALLS WITH FREE DRAINING, GRANULAR FILL AND PROVIDE FOR SUBSURFACE DRAINAGE.

THE STRUCTURAL DESIGN IS BASED ON THE FOLLOWING ASSUMED VALUES:

CONCRETE

16. <u>CONCRETE</u> SHALL BE MIXED, PROPORTIONED, CONVEYED AND PLACED IN ACCORDANCE WITH ACI 301. CONSTRUCTION TOLERANCES SHALL NOT EXCEED THOSE LISTED IN ACI IIT. CONCRETE SHALL ATTAIN A 28 DAY STRENGTH OF F'C = 3,000 PSI AND MIX SHALL CONTAIN NOT LESS THAN 5-1/2 SACKS OF CEMENT PER CUBIC YARD AND SHALL BE PROPORTIONED TO PRODUCE A SLUMP OF 5" OR LESS (BEFORE THE ADDITION OF ADMIXTURES). THE WATER/CEMENT RATIO SHALL NOT EXCEED 0.55 FOR FOOTINGS AND 0.45 FOR ALL SLABS AND EXPOSED CONCRETE UNLESS OTHERWISE NOTED.

THE MINIMUM AMOUNT OF CEMENT AND THE MAXIMUM SLUMP MAY BE CHANGED IF A CONCRETE PERFORMANCE MIX IS SUBMITTED TO THE STRUCTURAL ENGINEER AND THE BUILDING DEPARTMENT FOR APPROVAL TWO WEEKS PRIOR TO PLACING ANY CONCRETE. THE CONCRETE PERFORMANCE MIX SHALL INCLUDE THE AMOUNTS OF CEMENT, CEMENTITIOUS MATERIAL, FINE AND COARSE AGGREGATE, WATER AND ADMIXTURES AS WELL AS THE WATER CEMENT RATIO, SLUMP, CONCRETE YIELD AND SUBSTANTIATING STRENGTH DATA IN ACCORDANCE WITH ACI 301. CHEMICAL ADMIXTURES AND FLY ASH SHALL CONFORM TO ASTM C494 AND C618 RESPECTIVELY. FLY ASH PERCENTAGE OF TOTAL CEMENTITIOUS MATERIAL SHALL NOT EXCEED 20%. THE USE OF A PERFORMANCE MIX REQUIRES BATCH PLANT INSPECTION, THE COST OF WHICH SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER. REVIEW OF MIX SUBMITTALS BY THE ENGINEER OF RECORD INDICATES ONLY THAT INFORMATION PRESENTED CONFORMS GENERALLY TO CONTRACT DOCUMENTS. CONTRACTOR MAINTAINS FULL RESPONSIBILITY FOR SPECIFIED PERFORMANCE.

ALL CONCRETE WITH SURFACES EXPOSED TO STANDING WATER SHALL BE AIR ENTRAINED WITH AN AIR ENTRAINING AGENT CONFORMING TO ASTM C260. TOTAL AIR CONTENT FOR FROST-RESISTANT CONCRETE SHALL BE IN ACCORDANCE WITH ACI 318-14 TABLE 19.3.3.1.

17. REINFORCING STEEL SHALL CONFORM TO ASTM A615 (INCLUDING SUPPLEMENT SI), GRADE 60, fy = 60,000 PSI, AND SHALL BE DETAILED (INCLUDING HOOKS AND BENDS) IN ACCORDANCE WITH ACI 315 AND 318. LAP ALL CONTINUOUS REINFORCEMENT #5 AND SMALLER 60 BAR DIAMETERS, 2'-O" MINIMUM. PROVIDE CORNER BARS AT ALL WALL AND FOOTING INTERSECTIONS. LAP CORNER BARS #5 AND SMALLER 60 BAR DIAMETERS OR 2'-O" MINIMUM. LAPS OF LARGER BARS SHALL BE MADE IN ACCORDANCE WITH ACI 318, CLASS B. PROVIDE (2) #5 MIN. U.N.O. TRIM BARS AROUND ALL OPENINGS IN CONCRETE WALLS OR SLABS EXTENDING 2'-6" PAST CORNERS, TYPICAL.

NO BARS PARTIALLY EMBEDDED IN HARDENED CONCRETE SHALL BE FIELD BENT UNLESS SPECIFICALLY SO DETAILED OR APPROVED BY THE STRUCTURAL ENGINEER. NO REINFORCING BARS SHALL BE "WET-SET" INTO THE CONCRETE.

18. CONCRETE PROTECTION (COVER) FOR REINFORCING STEEL SHALL BE AS FOLLOWS:

19. <u>NON-SHRINK GROUT</u> SHALL BE NON-METALLIC CONFORMING TO ASTM CITOT AND BE FURNISHED BY AN APPROVED MANUFACTURER AND SHALL BE MIXED AND PLACED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S PUBLISHED RECOMMENDATIONS. GROUT STRENGTH SHALL BE AT LEAST EQUAL TO THE MATERIAL ON WHICH IT IS PLACED (5000 PSI MINIMUM).

<u>ANCHORAGE</u>

- 20. <u>EXPANSION BOLTS</u> INTO CONCRETE SHALL BE "STRONG-BOLT 2 WEDGE ANCHOR", AS MANUFACTURED BY SIMPSON STRONG-TIE ANCHOR SYSTEMS. INSTALL IN STRICT ACCORDANCE WITH I.C.C. REPORT NO. ESR-3037 INCLUDING STANDARD EMBEDMENT REQUIREMENTS U.O.N. PROPOSED SUBSTITUTIONS SHALL BE SUBMITTED FOR REVIEW WITH I.C.C. OR IAPMO UES REPORTS INDICATING EQUIVALENT OR GREATER LOAD CAPACITIES. SPECIAL INSPECTION IS REQUIRED FOR ALL EXPANSION BOLT INSTALLATION.
- 21. <u>SCREW ANCHORS</u> INTO CONCRETE SHALL BE "TITEN HD", AS MANUFACTURED BY SIMPSON STRONG-TIE ANCHOR SYSTEMS. INSTALL IN STRICT ACCORDANCE WITH I.C.C. REPORT NO. ESR-2713 INCLUDING STANDARD EMBEDMENT REQUIREMENTS U.O.N. PROPOSED SUBSTITUTIONS SHALL BE SUBMITTED FOR REVIEW WITH I.C.C. OR IAPMO UES REPORTS INDICATING EQUIVALENT OR GREATER LOAD CAPACITIES. SPECIAL INSPECTION IS REQUIRED FOR ALL SCREW ANCHOR INSTALLATION.
- 22. <u>EPOXY-GROUTED ITEMS</u> (THREADED RODS OR REINFORCING BAR) INTO CONCRETE SHALL BE INSTALLED USING "AT-XP" ADHESIVE AS MANUFACTURED BY SIMPSON STRONG-TIE ANCHOR SYSTEMS. INSTALL IN STRICT ACCORDANCE WITH IAPMO UES REPORT NO. ER-263, INCLUDING STANDARD EMBEDMENT REQUIREMENTS U.O.N. PROPOSED SUBSTITUTIONS SHALL BE SUBMITTED FOR REVIEW WITH I.C.C. OR IAPMO UES REPORTS INDICATING EQUIVALENT OR GREATER LOAD CAPACITIES. SPECIAL INSPECTION OF INSTALLATION IS REQUIRED.
- 23. <u>EPOXY-GROUTED ITEMS</u> (THREADED RODS OR REINFORCING BAR) INTO GROUT FILLED CMU SHALL BE INSTALLED USING "ACRYLIC-TIE" (AT-XP) ADHESIVE AS MANUFACTURED BY SIMPSON STRONG-TIE ANCHOR SYSTEMS. INSTALL IN STRICT ACCORDANCE WITH IAPMO UES REPORT NO. ER-28I, INCLUDING STANDARD EMBEDMENT REQUIREMENTS U.O.N. PROPOSED SUBSTITUTIONS SHALL BE SUBMITTED FOR REVIEW WITH I.C.C. OR IAPMO UES REPORTS INDICATING EQUIVALENT OR GREATER LOAD CAPACITIES. SPECIAL INSPECTION OF INSTALLATION IS REQUIRED.

STEEL

- 24. <u>STRUCTURAL STEEL DESIGN, FABRICATION, AND ERECTION</u> SHALL BE BASED ON THE LATEST EDITIONS OF THE A.I.S.C. SPECIFICATIONS AND CODES:
- A. AISC STEEL CONSTRUCTION MANUAL, 14TH EDITION
- B. CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES.
 C. SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS
- 25. <u>STRUCTURAL STEEL</u>, WIDE FLANGE (W AND WT) SHAPES SHALL CONFORM TO ASTM A992, Fy = 50 KSI; ALL OTHER ROLLED SHAPES SHALL CONFORM TO ASTM A36, FY = 36 KSI. STEEL PLATE SHALL CONFORM TO ASTM A36, Fy = 36 KSI. STEEL PIPE SHALL CONFORM TO ASTM A53, TYPE E OR S, GRADE B, Fy = 35 KSI. STRUCTURAL TUBING SHALL CONFORM TO ASTM A500, GRADE B, Fy = 46 KSI. CONNECTION BOLTS SHALL

STRUCTURAL STEEL AND CONNECTIONS EXPOSED TO WEATHER OR EARTH SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION IN COMPLIANCE WITH ASTM AI23. GALVANIZE BOLTS AND SIMILAR THREADED FASTENERS EXPOSED TO WEATHER OR EARTH IN ACCORDANCE WITH ASTM AI53. ALL FIELD WELDS EXPOSED TO WEATHER OR EARTH SHALL BE COATED WITH BRUSH APPLIED ZINC RICH PAINT COMPLYING WITH ASTM A780 (Z.R.C. OR EQUIVALENT).

CONFORM TO ASTM A325. ANCHOR BOLTS SHALL CONFORM TO ASTM F1554 GRADE 36, Fy = 36 KSI.

ALTERNATE CONNECTIONS TO THOSE SHOWN ON THESE DRAWINGS WILL REQUIRE PRIOR APPROVAL OF THE ENGINEER. ALL MEMBERS ARE TO BE ERECTED WITH THE NATURAL MILL CAMBER OR INDUCED CAMBER UP, UNLESS OTHERWISE NOTED ON THE DRAWINGS.

- 26. <u>ALL A-325 CONNECTION BOLTS</u> SHALL BE INSTALLED TO THE SNUG-TIGHT CONDITION PER AISC SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS IN STRICT ACCORDANCE WITH THE MANUFACTURER'S PUBLISHED RECOMMENDATIONS. ALL NUTS SHALL CONFORM TO ASTM A563. ALL WASHERS SHALL CONFORM TO ASTM F436 OR ASTM F959 TYPE 325. ALL BOLT HOLES SHALL BE STANDARD SIZE UNLESS OTHERWISE NOTED.
- 27. <u>ALL WELDING</u> SHALL BE IN CONFORMANCE WITH A.I.S.C. AND A.W.S. STANDARDS AND SHALL BE PERFORMED BY W.A.B.O. CERTIFIED WELDERS USING ETO XX ELECTRODES. ONLY PREQUALIFIED WELDS (AS DEFINED BY A.W.S.) SHALL BE USED.

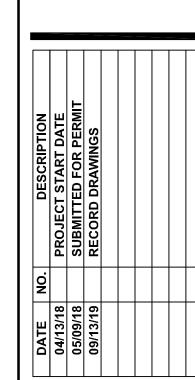
SHOP DRAWINGS SHALL SHOW ALL WELDING WITH AWS A2.4 SYMBOLS. WELDS SHOWN ON DRAWINGS ARE MINIMUM SIZES. INCREASE WELDS SIZE TO AWS MINIMUM SIZES BASED ON PLATE THICKNESS. MINIMUM WELDING SHALL BE 3/16-INCH. THE WELDS SHOWN ARE FOR THE FINAL CONNECTIONS. FIELD WELD ARROWS ARE SHOWN WHERE A FIELD WELD IS REQUIRED BY THE STRUCTURAL DESIGN; THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING IF A WELD SHOULD BE SHOP OR FIELD WELDED IN ORDER TO FACILITATE THE STRUCTURAL STEEL DELIVERY AND ERECTION.

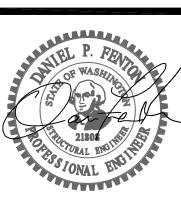
28. <u>MELDING OF LATERAL FORCE RESISTING MEMBERS</u> SHALL BE PERFORMED IN ACCORDANCE WITH A WELDING PROCEDURE SPECIFICATION (WPS) AS REQUIRED IN AWS DI.I AND APPROVED BY THE STRUCTURAL ENGINEER BEFORE WORK BEGINS. THE WPS VARIABLES SHALL BE WITHIN THE PARAMETERS ESTABLISHED BY THE FILLER METAL MANUFACTURER. WELDING ELECTRODES SHALL BE ETOTG-K2 OR ETOT6 WITH A MINIMUM SPECIFIED CHARPY V-NOTCH (CVN) OF 20 ft-lbs AT -20 DEGREES FAHRENHEIT AND 40 ft-lbs AT 70 DEGREES FAHRENHEIT.

	ADDRE	TIATIONS	
@	At	L	Angle
d	Penny (Nails)	LIN.	Linear
φ	Diameter	LL	Live Load
4	DIGITIOLOI		
		LLH	Long Leg Horizontal
A.B.	Anchor Bolt	LLV	Long Leg Vertical
ADD.	Addendum	LONGIT.	Longitudinal
ADD'L	Additional	LT. MT.	
		L1.711.	Lightweight
≒LT.	Alternate		
APPROX.	Approximate	MATL.	Material
ARCH.	' Architect	MAX.	Maximum
	7 11 31 11 13 3 3	M.B.	
			Machine Bolt
.U.	Built-up	MECH.	Mechanical
3/	Bottom of	MEZZ	Mezzanine
, F			
	Braced Frame	MF	Moment Frame
LK.	Block	MFR.	Manufacturer
LKG.	Blocking	MIN.	Minimum
LDG.			
	Building	MISC.	Miscellaneous
BM.	Beam	MK.	Mark
RG.	Bearing		
STMN.	Between	N.	North
/ / 3 3.	Detheen		
		N.S.	Near Side
,	Centerline	NEG.	Negative
<u>, </u>	Camber	NIC	Not in Contract
TO C	Center to Center	NO.	Number
P	Cast In Place	NOM.	Nominal
	nstruction Joint or Control Joint	NTS	Not to Scale
		5	1101 10 30010
LG.	Ceiling	- -	
LR.	Clear	O.C.	On Center
MU	Concrete Masonry Unit	O.D.	Outside Diameter
INTR.	Center	<i>O</i> .F.	Outside Face
OL.	Column	<i>O</i> .H.	Opposite Hand
ONC.	Concrete	OPNG.	Opening
ONN.	Connections	OPP.	Opposite
ONST.	Construction		
ONT.	Continuous	PAF	Powder Actuated Fastener
ONTR.	Contractor	PART.	Partition
OORD.	Coordinate	PC	Precast
JP	Complete Joint Penetration	PERM.	Permanent
SK.	Countersink	PERP.	Perpendicular
		PL or P	Plate
BA.	Deformed Bar Anchor	PLYWD	Plywood
BL.	Double	PJP	Partial Joint Penetration
EG.	Degree	PREFAB.	Prefabricated
ET.	Detail	PROJ.	Project
			-
OF.	Doug Fir-Larch	PSF	Pound per Square Foot
NA.	Diameter	PSI	Pound per Square Inch
NAG.	Diagonal	P.T.	Post-Tensioning
DIAPH.		P/T	Pressure-Treated
	Diaphragm	1 / 1	rressure-rreated
DIM.	Dimension		
ON.	Down	RAD.	Radius
00	Ditto	RD.	Round
MG.	Drawing	REF.	Reference
	-	REINF.	Reinforce or Reinforcement
E)	Existing	REQD.	Required
=/ = =.		REV.	•
	East		Revise
A.	Each	R.O.	Rough Opening
E.F.	Each Face		- '
L.	Elevation	5 .	South
LEV.			
	Elevator	SCH. or SCHE	
MBED.	Embedment Length	SECT.	Section
NGR.	Engineer	SHT.	Sheet
QUIP.	Equipment	SIM.	Similar
.M.	Each Way	<i>506</i>	Slab On Grade
XP.	Expansion	SPEC.	
XT.	Éxterior		Specification
· · ·		SQ.	· · · · · · · · · · · · · · · · · · ·
. –		5Q. 5Q. ET	. Square
AB.	-	SQ. FT.	Square Square Feet
	Fabricate		. Square
		SQ. FT. SQ. IN.	Square Square Feet Square Inch (inches)
.B.	Flat Bar	SQ. FT. SQ. IN. STD.	Square Square Feet Square Inch (inches) Standard
.B. DN.	Flat Bar Foundation	SQ. FT. SQ. IN. STD. STIFF.	Square Square Feet Square Inch (inches) Standard Stiffener
E.B. EDN. FIN.	Flat Bar Foundation Finish	SQ. FT. SQ. IN. STD. STIFF. STL.	Square Square Feet Square Inch (inches) Standard Stiffener Steel
E.B. EDN. FIN.	Flat Bar Foundation	SQ. FT. SQ. IN. STD. STIFF.	Square Square Feet Square Inch (inches) Standard Stiffener
B. DN. IN. LR.	Flat Bar Foundation Finish Floor	SQ. FT. SQ. IN. STD. STIFF. STL. STR.	Square Square Feet Square Inch (inches) Standard Stiffener Steel Structural
B. DN. IN. LR. RP	Flat Bar Foundation Finish Floor Fiber Reinforced Polymer	SQ. FT. SQ. IN. STD. STIFF. STL. STR. SUB.	Square Square Feet Square Inch (inches) Standard Stiffener Steel Structural Substitute
B. DN. IN. LR. RP S.	Flat Bar Foundation Finish Floor Fiber Reinforced Polymer Far Side	SQ. FT. SQ. IN. STD. STIFF. STL. STR.	Square Square Feet Square Inch (inches) Standard Stiffener Steel Structural
.B. DN. IN. LR. RP .S.	Flat Bar Foundation Finish Floor Fiber Reinforced Polymer	SQ. FT. SQ. IN. STD. STIFF. STL. STR. SUB.	Square Square Feet Square Inch (inches) Standard Stiffener Steel Structural Substitute
B. DN. IN. LR. RP S. T.	Flat Bar Foundation Finish Floor Fiber Reinforced Polymer Far Side Foot or Feet	SQ. FT. SQ. IN. STD. STIFF. STL. STR. SUB. SYM.	Square Square Feet Square Inch (inches) Standard Stiffener Steel Structural Substitute Symmetrical
.B. DN. IN. LR. RP .S. T.	Flat Bar Foundation Finish Floor Fiber Reinforced Polymer Far Side	SQ. FT. SQ. IN. STD. STIFF. STL. STR. SUB. SYM.	Square Square Feet Square Inch (inches) Standard Stiffener Steel Structural Substitute Symmetrical
B. DN. IN. LR. RP S. T. TG.	Flat Bar Foundation Finish Floor Fiber Reinforced Polymer Far Side Foot or Feet	SQ. FT. SQ. IN. STD. STIFF. STL. STR. SUB. SYM.	Square Square Feet Square Inch (inches) Standard Stiffener Steel Structural Substitute Symmetrical
EB. EDN. ELR. ERP ES. ETG.	Flat Bar Foundation Finish Floor Fiber Reinforced Polymer Far Side Foot or Feet Footing	SQ. FT. SQ. IN. STD. STIFF. STL. STR. SUB. SYM. T/ T\$B	Square Square Feet Square Inch (inches) Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom
EB. EDN. EIR. ERP ES. ET. ETG.	Flat Bar Foundation Finish Floor Fiber Reinforced Polymer Far Side Foot or Feet Footing Gauge	SQ. FT. SQ. IN. STD. STIFF. STL. STR. SUB. SYM. T/ T\$B T\$G	Square Square Feet Square Inch (inches) Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue \$ Groove
.B. DN. IN. LR. RP .S. T. TG.	Flat Bar Foundation Finish Floor Fiber Reinforced Polymer Far Side Foot or Feet Footing Gauge Galvanized	SQ. FT. SQ. IN. STD. STIFF. STL. STR. SUB. SYM. T/ T&B T&G THRU	Square Square Feet Square Inch (inches) Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue \$ Groove Through
B. DN. IN. LR. S. T. G. ALV. L	Flat Bar Foundation Finish Floor Fiber Reinforced Polymer Far Side Foot or Feet Footing Gauge Galvanized Glue Laminated	SQ. FT. SQ. IN. STD. STIFF. STL. STR. SUB. SYM. T/ T\$B T\$G THRU T.O.C.	Square Square Feet Square Inch (inches) Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue \$ Groove Through Top of Concrete
B. DN. IN. LR. RP S. T. TG.	Flat Bar Foundation Finish Floor Fiber Reinforced Polymer Far Side Foot or Feet Footing Gauge Galvanized	SQ. FT. SQ. IN. STD. STIFF. STL. STR. SUB. SYM. T/ T&B T&G THRU	Square Square Feet Square Inch (inches) Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue \$ Groove Through Top of Concrete
B. DN. IN. ELR. ES. T. TG. BALV. BRD.	Flat Bar Foundation Finish Floor Fiber Reinforced Polymer Far Side Foot or Feet Footing Gauge Galvanized Glue Laminated Grade	SQ. FT. SQ. IN. STD. STIFF. STL. STR. SUB. SYM. T/ T&B T&G THRU T.O.C. T.O.S.	Square Square Feet Square Inch (inches) Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue \$ Groove Through Top of Concrete Top of Steel
B. DN. IN. RP S. T. A. AL RND RND	Flat Bar Foundation Finish Floor Floor Fiber Reinforced Polymer Far Side Foot or Feet Footing Gauge Galvanized Glue Laminated Grade Ground	SQ. FT. SQ. IN. STD. STIFF. STL. STR. SUB. SYM. T/ T&B T&G THRU T.O.S. T.O.S. T.O.W.	Square Square Feet Square Inch (inches) Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue \$ Groove Through Top of Concrete Top of Steel Top of Wall
B. DN. IN. IRP S. T. GALV RD. RND.	Flat Bar Foundation Finish Floor Fiber Reinforced Polymer Far Side Foot or Feet Footing Gauge Galvanized Glue Laminated Grade	SQ. FT. SQ. IN. STD. STIFF. STL. STR. SUB. SYM. T/ T&B T&G THRU T.O.S. T.O.W. TRANS.	Square Square Feet Square Inch (inches) Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue \$ Groove Through Top of Concrete Top of Steel Top of Wall Transverse
B. DN. IN. RP. S. T. A. AL RND. RND.	Flat Bar Foundation Finish Floor Floor Fiber Reinforced Polymer Far Side Foot or Feet Footing Gauge Galvanized Glue Laminated Grade Ground	SQ. FT. SQ. IN. STD. STIFF. STL. STR. SUB. SYM. T/ T&B T&G THRU T.O.S. T.O.S. T.O.W.	Square Square Feet Square Inch (inches) Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue \$ Groove Through Top of Concrete Top of Steel Top of Wall
B. B. N. IN. R. S. T. G. A. A. A. R. N. R. R	Flat Bar Foundation Finish Floor Floor Fiber Reinforced Polymer Far Side Foot or Feet Footing Gauge Galvanized Glue Laminated Grade Ground Gypsum Wall Board	SQ. FT. SQ. IN. STD. STIFF. STL. STR. SYM. T/ # B T # G THRU T.O.S. T.O.M. TRANS. TS	Square Square Feet Square Inch (inches) Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue & Groove Through Top of Concrete Top of Steel Top of Wall Transverse Tube Steel
B. DN. ELR. E. T. E. A. E. A. E. R.	Flat Bar Foundation Finish Floor Floor Fiber Reinforced Polymer Far Side Foot or Feet Footing Gauge Galvanized Glue Laminated Grade Ground Gypsum Wall Board Hem Fir	SQ. FT. SQ. IN. STD. STIFF. STL. STR. SUB. SYM. T/ T&B T&G THRU T.O.S. T.O.W. TRANS.	Square Square Feet Square Inch (inches) Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue & Groove Through Top of Concrete Top of Steel Top of Wall Transverse
B. DN. ERP ST. TG. ALD. BRND. BRND. BRND. BRND. BRND.	Flat Bar Foundation Finish Floor Floor Fiber Reinforced Polymer Far Side Foot or Feet Footing Gauge Galvanized Glue Laminated Grade Ground Gypsum Wall Board Hem Fir Hanger	SQ. FT. SQ. IN. STD. STIFF. STL. STR. SYM. T/ # # G THRU.C. T.O.S. T.O.M. TS TYP.	Square Square Feet Square Inch (inches) Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue & Groove Through Top of Concrete Top of Steel Top of Wall Transverse Tube Steel Typical
B. DN. IN. R. S. T. A. A. R. R. F. B. B. B. B. B. B. B. B. B	Flat Bar Foundation Finish Floor Floor Fiber Reinforced Polymer Far Side Foot or Feet Footing Gauge Galvanized Glue Laminated Grade Ground Gypsum Wall Board Hem Fir	SQ. FT. SQ. IN. STD. STIFF. STL. STR. SYM. T/ # B T # G THRU T.O.S. T.O.M. TRANS. TS	Square Square Feet Square Inch (inches) Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue & Groove Through Top of Concrete Top of Steel Top of Wall Transverse Tube Steel
B. DN. IN. RP. S. T. T. A. L. RN. F. B. C. RN. F. C.	Flat Bar Foundation Finish Floor Floor Fiber Reinforced Polymer Far Side Foot or Feet Footing Gauge Galvanized Glue Laminated Grade Ground Gypsum Wall Board Hem Fir Hanger Horizontal	SQ. FT. SQ. IN. STD. STIFF. STL. STR. SYM. T/ # # G THRU.C. T.O.S. T.O.M. TS TYP.	Square Square Feet Square Inch (inches) Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue & Groove Through Top of Concrete Top of Steel Top of Wall Transverse Tube Steel Typical
B. N. I. R. S. T. G. A. L. R. N. B. S. T. G. A. L. R. N. B. B. R. I.Z. S.	Flat Bar Foundation Finish Floor Floor Fiber Reinforced Polymer Far Side Foot or Feet Footing Gauge Galvanized Glue Laminated Grade Ground Gypsum Wall Board Hem Fir Hanger Horizontal Hollow Structural Section	SQ. FT. SQ. IN. STD. STIFF. STL. STR. SUB. SYM. T/ # B T # G THRU T.O.S. T.O.M. TRANS. TS TYP. UON or UNO	Square Feet Square Inch (inches) Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue \$ Groove Through Top of Concrete Top of Steel Top of Wall Transverse Tube Steel Typical Unless Otherwise Noted
B. DN. N. R. P. S. F. G. A. L. D. D. R. D. S. R. D. S. R. S. S	Flat Bar Foundation Finish Floor Floor Fiber Reinforced Polymer Far Side Foot or Feet Footing Gauge Galvanized Glue Laminated Grade Ground Gypsum Wall Board Hem Fir Hanger Horizontal	SQ. FT. SQ. IN. STD. STIFF. STL. STR. SUB. SYM. T/ T&B T&G THRU T.O.S. T.O.S. T.O.N. TRANS. TS TYP. UON or UNO VERT.	Square Square Feet Square Inch (inches) Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue & Groove Through Top of Concrete Top of Steel Top of Wall Transverse Tube Steel Typical
B.N.IN.R.P.S.T.G.A.L.R.N.B.F.S.O.S.	Flat Bar Foundation Finish Floor Floor Fiber Reinforced Polymer Far Side Foot or Feet Footing Gauge Galvanized Glue Laminated Grade Ground Gypsum Wall Board Hem Fir Hanger Horizontal Hollow Structural Section	SQ. FT. SQ. IN. STD. STIFF. STL. STR. SUB. SYM. T/ T&B T&G THRU T.O.S. T.O.S. T.O.N. TRANS. TS TYP. UON or UNO VERT.	Square Feet Square Inch (inches) Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue & Groove Through Top of Concrete Top of Steel Top of Wall Transverse Tube Steel Typical Unless Otherwise Noted
B. N. IN. R. P. S. T. G. A. A. L. D. D. S. S. T. G. S. S	Flat Bar Foundation Finish Floor Floor Fiber Reinforced Polymer Far Side Foot or Feet Footing Gauge Galvanized Glue Laminated Grade Ground Gypsum Wall Board Hem Fir Hanger Horizontal Hollow Structural Section Height	SQ. FT. SQ. IN. STD. STIFF. STL. STR. SUB. SYM. T/ # B T # G THRU T.O.S. T.O.M. TRANS. TS TYP. UON or UNO	Square Feet Square Inch (inches) Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue & Groove Through Top of Concrete Top of Steel Top of Wall Transverse Tube Steel Typical Unless Otherwise Noted
B.N.IN.R.P.S.T.G.A.L.R.N.B.F.G.R.S.T.D.	Flat Bar Foundation Finish Floor Floor Fiber Reinforced Polymer Far Side Foot or Feet Footing Gauge Galvanized Glue Laminated Grade Ground Gypsum Wall Board Hem Fir Hanger Horizontal Hollow Structural Section Height Inside Diameter	SQ. FT. SQ. IN. STD. STIFF. STL. STR. SYM. T/ # B T # G THRU T.O.S. T.O.N. TRANS. TS TYP. UON VERT. VIF	Square Feet Square Inch (inches) Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue & Groove Through Top of Concrete Top of Steel Top of Wall Transverse Tube Steel Typical Unless Otherwise Noted Vertical Verify in Field
B.N. R.P.S. T.T. A.A.L. R.N. F. B.OSS.T. D.F.	Flat Bar Foundation Finish Floor Fiber Reinforced Polymer Far Side Foot or Feet Footing Gauge Galvanized Glue Laminated Grade Ground Gypsum Wall Board Hem Fir Hanger Horizontal Hollow Structural Section Height Inside Diameter Inside Face	SQ. FT. SQ. IN. STD. STIFF. STL. STR. SY T. B T&G THR.C. T.O.S. T.O.N. TS TYP. UON VERT. VIF M.	Square Feet Square Inch (inches) Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue & Groove Through Top of Concrete Top of Steel Top of Wall Transverse Tube Steel Typical Unless Otherwise Noted Vertical Verify in Field West
B.N. R.P.S.T.T. A.AL. R.N. F. B.OST. D.F.	Flat Bar Foundation Finish Floor Floor Fiber Reinforced Polymer Far Side Foot or Feet Footing Gauge Galvanized Glue Laminated Grade Ground Gypsum Wall Board Hem Fir Hanger Horizontal Hollow Structural Section Height Inside Diameter	SQ. FT. SQ. IN. STD. STIFF. STL. STR. SY T. B T&G THR.C. T.O.S. T.O.N. TS TYP. UON VERT. VIF M.	Square Feet Square Inch (inches) Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue & Groove Through Top of Concrete Top of Steel Top of Wall Transverse Tube Steel Typical Unless Otherwise Noted Vertical Verify in Field
B.N.IN.R.P.S.T.TG.A.A.L.R.N.B.B.N.B.T.T.G.A.A.L.R.N.B.B.T.T.D.F.I.	Flat Bar Foundation Finish Floor Fiber Reinforced Polymer Far Side Foot or Feet Footing Gauge Galvanized Glue Laminated Grade Ground Gypsum Wall Board Hem Fir Hanger Horizontal Hollow Structural Section Height Inside Diameter Inside Face Inch	SQ. FT. SQ. IN. STD. STIFF. STL. STR. SYM. T/#BGHR.C. T.O.S. T.O.N. TRANS. TS TYP. UON VERT. VIF W. W/	Square Feet Square Inch (inches) Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue & Groove Through Top of Concrete Top of Steel Top of Wall Transverse Tube Steel Typical Unless Otherwise Noted Vertical Verify in Field Mest With
B.N.R.P.S.T.T., A.A.L.R.R.M. F.G.OST. D.F. N.F. O.S.T. D.F. N.F. D.F. N.F. D.F. N.F. D.F. N.F. D.F. N.F. D.F. N.F. D.F. D	Flat Bar Foundation Finish Floor Fiber Reinforced Polymer Far Side Foot or Feet Footing Gauge Galvanized Glue Laminated Grade Ground Gypsum Wall Board Hem Fir Hanger Horizontal Hollow Structural Section Height Inside Diameter Inside Face Inch Information	SQ. FT. SQ. IN. STD. STIFF. STR. SY T \$ B T \$ C T.O.O.N. TS TYP. UON VERT. VIF W. WD	Square Feet Square Inch (inches) Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue & Groove Through Top of Concrete Top of Steel Top of Wall Transverse Tube Steel Typical Unless Otherwise Noted Vertical Verify in Field Mest With Mood
B.N.R.P.S.T.T., A.A.L.R.R.M. F.G.OST. D.F. N.F. O.S.T. D.F. N.F. D.F. N.F. D.F. N.F. D.F. N.F. D.F. N.F. D.F. N.F. D.F. D	Flat Bar Foundation Finish Floor Fiber Reinforced Polymer Far Side Foot or Feet Footing Gauge Galvanized Glue Laminated Grade Ground Gypsum Wall Board Hem Fir Hanger Horizontal Hollow Structural Section Height Inside Diameter Inside Face Inch	SQ. FT. SQ. IN. STD. STIFF. STL. STR. SYM. T/#BGHR.C. T.O.S. T.O.N. TRANS. TS TYP. UON VERT. VIF W. W/	Square Feet Square Inch (inches) Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue & Groove Through Top of Concrete Top of Steel Top of Wall Transverse Tube Steel Typical Unless Otherwise Noted Vertical Verify in Field Mest With
B.N. R.P.S.T. G.A.L. D.D.B. F.G.O.S.T. D.F. N.F. S.T. D.F. N.F. S.T. D.F. S.	Flat Bar Foundation Finish Floor Fiber Reinforced Polymer Far Side Foot or Feet Footing Gauge Galvanized Glue Laminated Grade Ground Gypsum Wall Board Hem Fir Hanger Horizontal Hollow Structural Section Height Inside Diameter Inside Face Inch Information	SQ. FT. SQ. IN. STD. STIL. STR. STR. SYM. T/\$BGU.C. T.O.S. T.O.ANS. TS TYP. UO VERT. VIF W. WD H.S.	Square Feet Square Inch (inches) Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue & Groove Through Top of Concrete Top of Steel Top of Wall Transverse Tube Steel Typical Unless Otherwise Noted Vertical Verify in Field West With Wood Welded Headed Stud
BN.R.P.S.T.T.A.A.L.R.R.M.F.B.OST.D.F.J.F.T.	Flat Bar Foundation Finish Floor Floor Fiber Reinforced Polymer Far Side Foot or Feet Footing Gauge Galvanized Glue Laminated Grade Ground Gypsum Wall Board Hem Fir Hanger Horizontal Hollow Structural Section Height Inside Diameter Inside Face Inch Information Interior	SQ. FT. SQ. IN. STD. STIF. STR. STR. STR. STR. STR. STR. STR. STR	Square Feet Square Inch (inches) Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue & Groove Through Top of Concrete Top of Steel Top of Wall Transverse Tube Steel Typical Unless Otherwise Noted Vertical Verify in Field West With Wood Welded Headed Stud Without
B.N.R.P.S.T.T.A.A.L.R.R.N.F.G.OST.D.F.N.F.T.	Flat Bar Foundation Finish Floor Fiber Reinforced Polymer Far Side Foot or Feet Footing Gauge Galvanized Glue Laminated Grade Ground Gypsum Wall Board Hem Fir Hanger Horizontal Hollow Structural Section Height Inside Diameter Inside Face Inch Information	SQ. FT. SQ. IN. STD. STIL. STL. STR. SYN T & B G U C. S. W. T. S. Y. VERT W. W. W. W. W. H.S. W.P. W.	Square Feet Square Inch (inches) Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue & Groove Through Top of Concrete Top of Steel Top of Wall Transverse Tube Steel Typical Unless Otherwise Noted Vertical Verify in Field West With Wood Welded Headed Stud Without Work Point
B.D.N.R.P.S.T.T. G.A.L.D.D.D.B. HGRINGST. D.F.N.NT. IT.	Flat Bar Foundation Finish Floor Floor Fiber Reinforced Polymer Far Side Foot or Feet Footing Gauge Galvanized Glue Laminated Grade Ground Gypsum Wall Board Hem Fir Hanger Horizontal Hollow Structural Section Height Inside Diameter Inside Face Inch Information Interior	SQ. FT. SQ. IN. STD. STIF. STR. STR. SYM. T/\$ B G U C. T.O.S. T.ON TR TYP. UON VERT. VIF W. WD W.H.O. W.H	Square Feet Square Inch (inches) Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue & Groove Through Top of Concrete Top of Steel Top of Wall Transverse Tube Steel Typical Unless Otherwise Noted Vertical Verify in Field West With Wood Welded Headed Stud Without
B.N. I.R.P.S.T. T. G.A.L. D.D.D.B. IF IGNOS IT. D.F. N. N.T. IT. S.F. III. S.F. N.	Flat Bar Foundation Finish Floor Fiber Reinforced Polymer Far Side Foot or Feet Footing Gauge Galvanized Glue Laminated Grade Ground Gypsum Wall Board Hem Fir Hanger Horizontal Hollow Structural Section Height Inside Diameter Inside Face Inch Information Interior Joint	SQ. FT. SQ. IN. STD. STIL. STL. STR. SYN T & B G U C. S. W. T. S. Y. VERT W. W. W. W. W. H.S. W.P. W.	Square Feet Square Inch (inches) Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue & Groove Through Top of Concrete Top of Steel Top of Wall Transverse Tube Steel Typical Unless Otherwise Noted Vertical Verify in Field West With Wood Welded Headed Stud Without Work Point
B.D.N.R.P.S.T.T. A.A.L.B.R.N. IFIGORS IT. D.F.N. IT. (SF. N. IT. (SF. IT. (SF. N. IT. (SF.	Flat Bar Foundation Finish Floor Fiber Reinforced Polymer Far Side Foot or Feet Footing Gauge Galvanized Glue Laminated Grade Ground Gypsum Wall Board Hem Fir Hanger Horizontal Hollow Structural Section Height Inside Diameter Inside Face Inch Information Interior Joint Kips per Square Foot	SQ. FT. SQ. IN. STD. STIF. STR. STR. SYM. T/\$ B G U C. T.O.S. T.ON TR TYP. UON VERT. VIF W. WD W.H.O. W.H	Square Square Feet Square Inch (inches) Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue & Groove Through Top of Concrete Top of Steel Top of Wall Transverse Tube Steel Typical Unless Otherwise Noted Vertical Verify in Field West With Wood Welded Headed Stud Without Work Point Welded Threaded Stud
B.N. R.P.S.T. G. A.A.L. D.D.B. F.G.OSST. D.F. V. F. S.F. S.F. S.F. S.F. S.F. S.F.	Flat Bar Foundation Finish Floor Fiber Reinforced Polymer Far Side Foot or Feet Footing Gauge Galvanized Glue Laminated Grade Ground Gypsum Wall Board Hem Fir Hanger Horizontal Hollow Structural Section Height Inside Diameter Inside Face Inch Information Interior Joint	SQ. FT. SQ. IN. STD. STIL. STD. STIL. STL. STW. STL. STR. SY T \$ G T. STR. TS T Y T ON VERT. VI W.	Square Feet Square Inch (inches) Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue & Groove Through Top of Concrete Top of Steel Top of Wall Transverse Tube Steel Typical Unless Otherwise Noted Vertical Verify in Field West With Wood Welded Headed Stud Without Work Point Welded Threaded Stud Welded Wire Fabric
B.D.N.R.P.S.T.T. G.A.L.D.D.D.B. HGRINGST. D.F.N.NT. IT.	Flat Bar Foundation Finish Floor Fiber Reinforced Polymer Far Side Foot or Feet Footing Gauge Galvanized Glue Laminated Grade Ground Gypsum Wall Board Hem Fir Hanger Horizontal Hollow Structural Section Height Inside Diameter Inside Face Inch Information Interior Joint Kips per Square Foot	SQ. FT. SQ. IN. STD. STIF. STR. STR. SYM. T/\$ B G U C. T.O.S. T.ON TR TYP. UON VERT. VIF W. WD W.H.O. W.H	Square Feet Square Inch (inches) Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue & Groove Through Top of Concrete Top of Steel Top of Wall Transverse Tube Steel Typical Unless Otherwise Noted Vertical Verify in Field West With Wood Welded Headed Stud Without Work Point Welded Threaded Stud

ABBREVIATIONS

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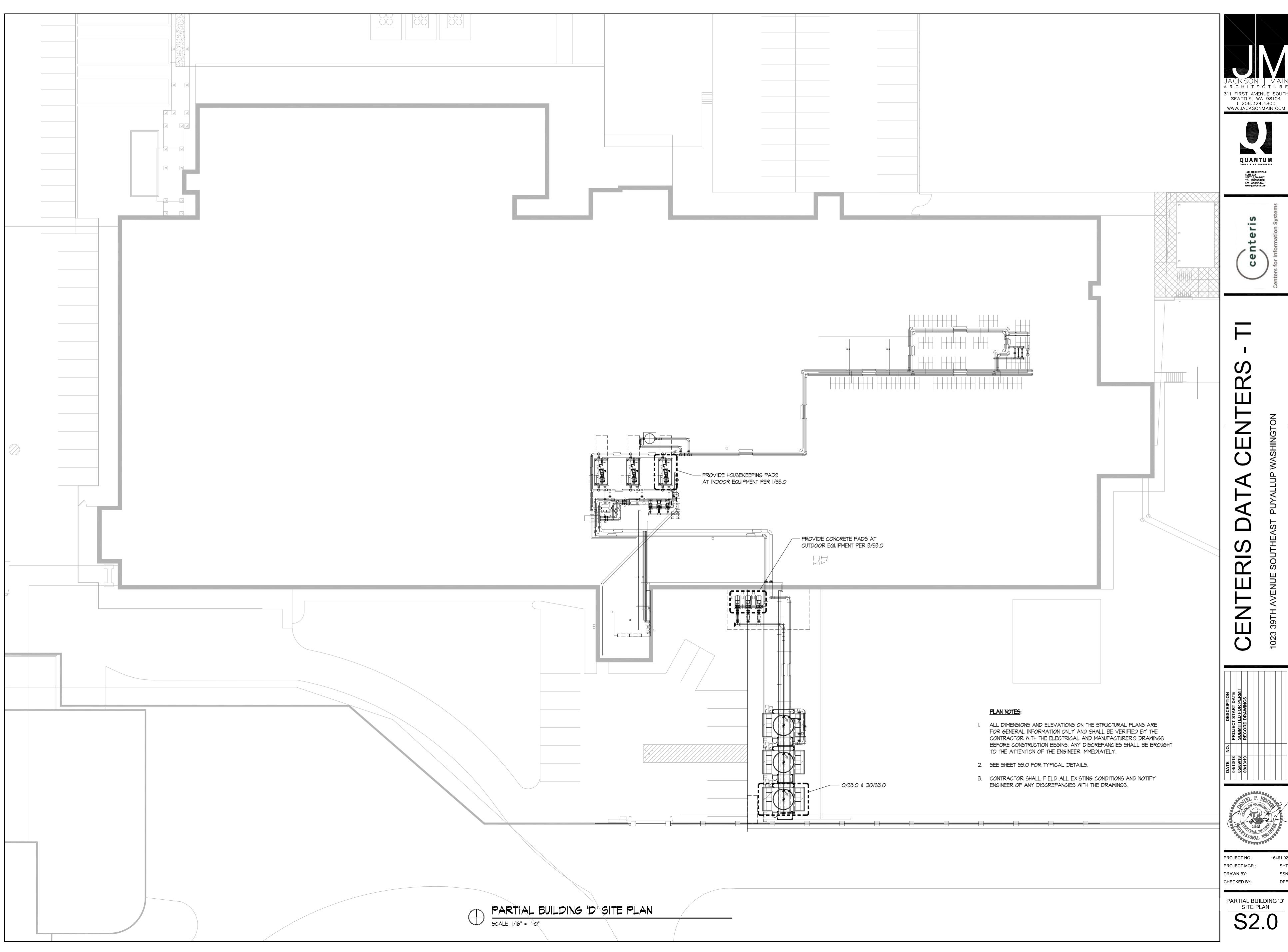




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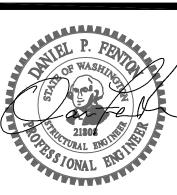
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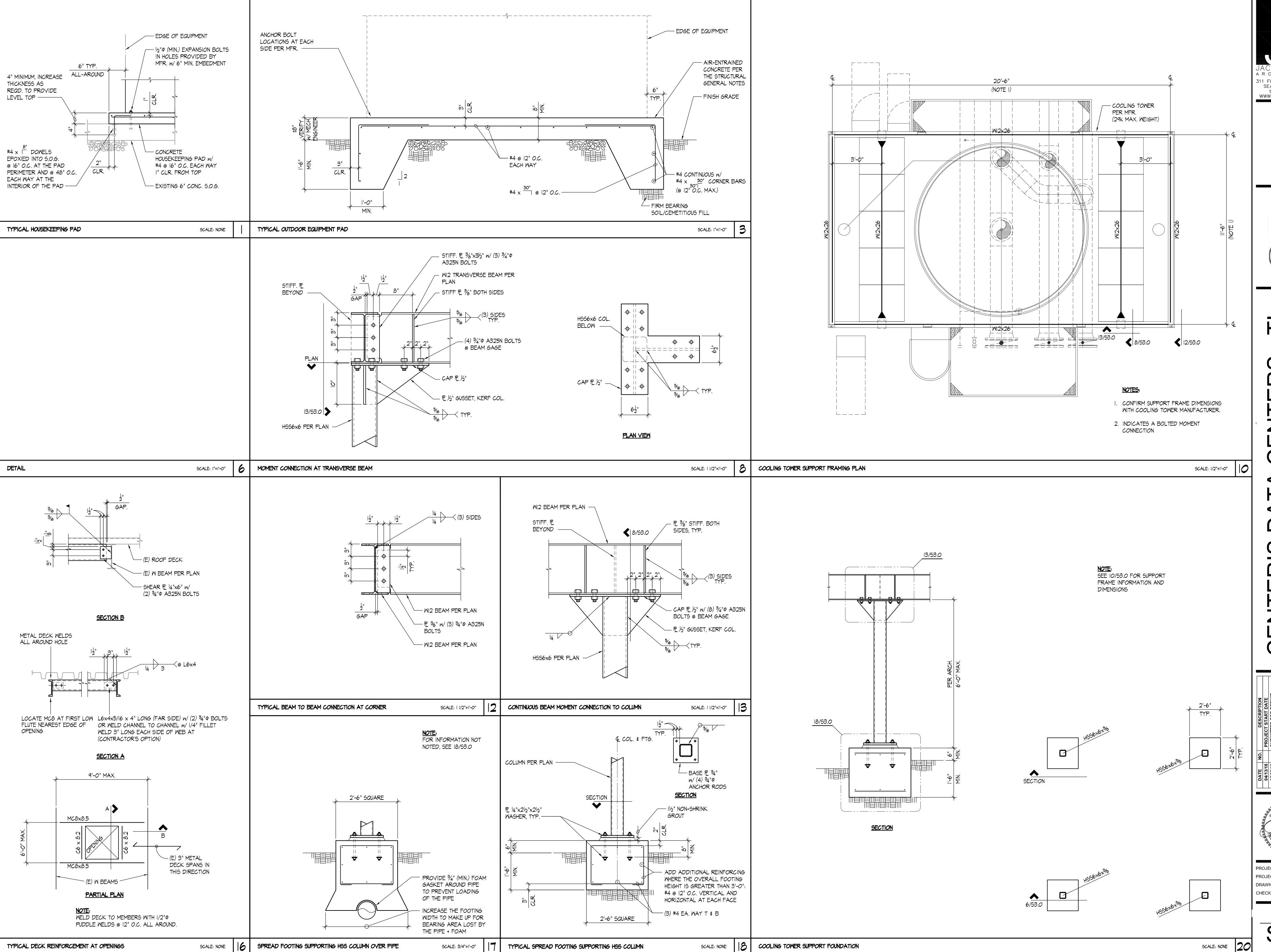


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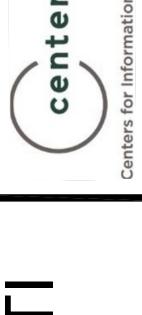


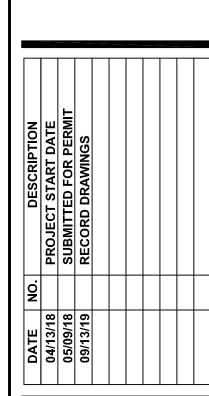


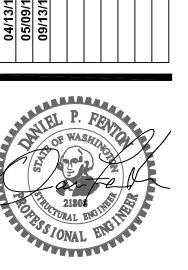


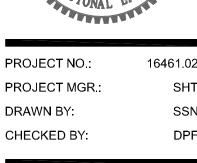
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DETAILS

S3.0