



SATELLITE IMAGERY



AREA MAP

EXTENSION DESIGN DRAWINGS

SITE NAME: **OTIS**

SITE NUMBER: **DC0002**

SITE ADDRESS: **1800 PERRY STREET NE
DISTRICT OF COLUMBIA, DC 20018**

STRUCTURE: **100 FT MONOPOLE**



PROJECT INFORMATION:

OTIS
DC0002

1800 PERRY STREET NE
DISTRICT OF COLUMBIA, DC 20018
DISTRICT OF COLUMBIA COUNTY

PLANS PREPARED BY:

Kimley»Horn | DC

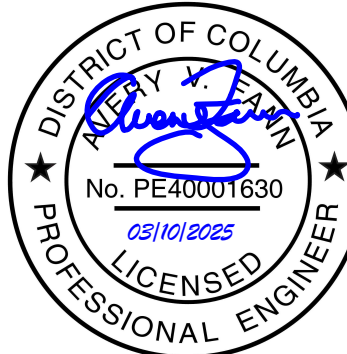
421 FAYETTEVILLE STREET, SUITE 600
RALEIGH, NC 27601
PHONE: 919-677-2000
WWW.KIMLEY-HORN.COM
DC COA #N/A



REV: DATE: ISSUED FOR: BY:

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1	3/6/2025	CONSTRUCTION	AVF
0	10/17/24	CONSTRUCTION	AVF

LICENSER:



PROJECT NUMBER:

012628109 / KHRAL-20552

DRAWN BY: CHECKED BY:

MRD

AVF

SHEET TITLE:

TITLE SHEET

SHEET NUMBER: Board of Zoning Adjustment

District of Columbia
CASE NO. 20166A
EXHIBIT NO.2

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PROJECT INFORMATION

STRUCTURE TYPE: MONOPOLE
STRUCTURE HEIGHT: 100 FT
LATITUDE: N 38.935498
LONGITUDE: W 76.977808
COUNTY: DISTRICT OF COLUMBIA COUNTY
CODE JURISDICTION: DISTRICT OF COLUMBIA
CONSTRUCTION SCOPE: EXTENSION DESIGN DRAWINGS

BUILDING CODE CRITERIA

BUILDING CODE: 2017 DISTRICT OF COLUMBIA BUILDING CODE
ULTIMATE WIND SPEED, Vult: 113 MPH
RISK CATEGORY: II
EXPOSURE CATEGORY: C
TOPOGRAPHIC CATEGORY: 1
SEISMIC DESIGN PARAMETERS: Ss = 0.133g
S1 = 0.043g
SITE CLASS: D
SDC: B

CORRESPONDING STRUCTURAL ANALYSIS REPORT:
KIMLEY-HORN, JOB #012628109 / KHRAL-20552, DATED
10/16/24

SCOPE OF WORK

- COMPLETE STRUCTURAL DESIGN DETAILS CAN BE FOUND ON THE FOLLOWING S-SHEETS.
- THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING ALL EXISTING STRUCTURE DIMENSIONS, SITE CONSTRAINTS, POTENTIAL INSTALLATION INTERFERENCES, FACILITY UTILITIES, AND ALL OTHER INFORMATION NECESSARY TO COMPLETE THE INSTALLATION OF THE STRUCTURE DETAILED IN THESE DRAWINGS. THE CONTRACTOR SHALL NOT BEGIN FABRICATION OR CONSTRUCTION PRIOR TO PERFORMING THIS SITE VISIT AND ENSURING THE INSTALLATION CAN BE COMPLETED AS SHOWN.
- ALL INTERFERENCES OR DEFICIENCIES OBSERVED PRIOR TO OR DURING CONSTRUCTION SHALL BE REPORTED TO THE CUSTOMER AND ENGINEER OF RECORD IMMEDIATELY FOR EVALUATION OF IMPACTS TO THE PROPOSED DESIGN.
- UPON COMPLETION OF THE INSTALLATION, THE ENGINEER OF RECORD SHALL BE NOTIFIED IN ORDER TO PERFORM A POST-INSTALLATION INSPECTION (PII).

K:\RAL_Wireless\TowerCo\2020\DC0002\KHA-3747 (PSAR)\CAD\DC0002_MOD_R1.dwg ----- 03/06/25 10:24 AM by: cyn.doolittle

1.00 GENERAL NOTES

- 1.01 ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE DRAWINGS AND SPECIFICATIONS. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE STATE, LOCAL AND NATIONAL CODES, ORDINANCES AND OR REGULATIONS APPLICABLE TO THIS PROJECT. SEE SHEET T-1 FOR APPLICABLE BUILDING CODES.
- 1.02 THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH WORK OF ALL TRADES AND SHALL CHECK ALL DIMENSIONS. ALL DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE PROJECT MANAGER AND/OR ENGINEER AND BE RESOLVED BEFORE PROCEEDING WITH WORK WHERE THERE IS A CONFLICT BETWEEN DRAWING AND SPECIFICATIONS.
- 1.03 ALL INFORMATION SHOWN ON THE DRAWINGS RELATIVE TO EXISTING CONDITIONS IS GIVEN AS THE BEST PRESENT KNOWLEDGE, BUT WITHOUT GUARANTEE OF ACCURACY. WHERE ACTUAL CONDITIONS CONFLICT WITH THE DRAWINGS, THEY SHALL BE REPORTED TO THE PROJECT MANAGER AND/OR ENGINEER OF RECORD SO THAT PROPER REVISIONS MAY BE MADE. MODIFICATION OF DETAILS OR CONSTRUCTION SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL OF THE PROJECT MANAGER AND/OR ENGINEER OF RECORD.
- 1.04 CONTRACTOR SHALL REVIEW AND BE FAMILIAR WITH SITE CONDITIONS AS SHOWN ON THE ATTACHED SITE PLAN AND/OR SURVEY DRAWNGS.
- 1.05 CONTRACTOR TO PROVIDE DUMPSTER AND PORTABLE TOILET FACILITY DURING CONSTRUCTION.
- 1.06 CONSTRUCTION WASTE MAY NEITHER BE BURNED NOR BURIED AND MUST BE TAKEN TO AN APPROVED LANDFILL.
- 1.07 SECURITY TO THE SITE SHALL BE MAINTAINED AT ALL TIMES.

2.00 STRUCTURAL STEEL NOTES

- 2.01 STRUCTURAL STEEL SHALL COMPLY WITH THE FOLLOWING MATERIAL SPECIFICATIONS, AT MINIMUM (UNLESS NOTED OTHERWISE – U.N.O.):
- A. STRUCTURAL STEEL SHAPES:
W-SHAPES: ASTM A992 (Fy=50 KSI)
ALL OTHERS ASTM A36 (Fy=36 KSI)
- B. PIPES: ASTM A53, GRADE B (Fy=35 KSI)
- C. HSS-SHAPES: ATSM A500, GRADE B
(ROUND – Fy = 42 KSI)
(RECTANGULAR – Fy = 46 KSI)
- D. ANCHOR & ALL THREAD RODS: ASTM F1554 GR 55 (Fy = 55 KSI)
- E. STRUCTURAL BOLTS $\frac{1}{2}$ " ϕ AND LARGER: ASTM F3125 GR A325
- F. STRUCTURAL BOLTS SMALLER THAN $\frac{1}{2}$ " ϕ :
DIMENSIONS: ASME B18.2.1
MATERIAL: SAE J429 GRADE 5
THREADING: ASME B1.1, UNC, CLASS 2A
FINISH: H.D.G. OR ZINC-PLATE
- G. STRUCTURAL U-BOLTS $\frac{3}{4}$ " ϕ AND SMALLER: ASTM A307 GRADE A
- H. NUTS FOR BOLTS/ALL-THREAD: ASTM A563
(THREADING TO MATCH BOLT)
- I. WASHERS FOR BOLTS/ALL THREADS: ASTM F436
- 2.02 ALL PROPOSED STEEL MEMBERS, PLATES AND ASSEMBLIES SHALL BE HOT DIP GALVANIZED (HDG) IN ACCORDANCE WITH ASTM A123, UNLESS NOTED OTHERWISE.
- 2.03 STRUCTURAL BOLTS SHALL CONFORM TO THIS NOTE. ALL BOLT HOLES SHALL BE STANDARD SIZE BOLT HOLES PER AISC 360, UNLESS NOTED OTHERWISE. ALL HOLES SHALL BE SHOP DRILLED OR SUB-PUNCHED AND REAMED. BURNING OF HOLES IS NOT PERMITTED, WHERE SLOTTED OR OVERSIZE HOLES ARE SPECIFIED ON THE DRAWINGS, EXTRA-THICK ASTM F436 PLATE WASHERS SHALL BE USED ($\frac{5}{16}$ " MINIMUM THICKNESS) WITH A DIAMETER SUITABLE TO COVER THE EXTENTS OF THE SLOT OF HOLE. BOLTS SHALL BE HEAVY-HEX WHERE AVAILABLE IN THE SIZE AND GRADE SPECIFIED.ALL BOLT ASSEMBLIES SHALL BE TIGHTENED PER AISC "TURN-OF-THE-NUT" METHOD. SEE SECTION 5.00.
- 2.04 ALL STEEL HARDWARE, INCLUDING ADHESIVE OR EMBEDDED ANCHOR BOLTS AND THEIR ACCESSORIES, SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A153 (EXCEPT A490 SPECIFICATIONS WHICH SHALL CONFORM TO ASTM F2833, AND BOLTS SMALLER THAN $\frac{1}{2}$ " WHICH SHALL CONFORM TO FE/ZN 3 AS PER ASTM F1941, AND HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A123). REPAIR ALL DAMAGE DUE TO TRANSPORTATION, CUTTING, OR WELDING WITH GALVANIZED COATINGS USING ASTM A780 PROCEDURES WITH ZINC RICH PAINT (SUCH AS ZRC GALVULITE). CALL OUT HOLES REQUIRED FOR HOT-DIP GALVANIZING ON SHOP DRAWINGS.
- 2.05 WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1 "STRUCTURAL WELDING CODE – STEEL". UNLESS NOTED OTHERWISE, WELD ELECTRODES SHALL BE 70 KSI. UNLESS NOTED OTHERWISE, PROVIDE CONTINUOUS FILLET WELDS WITH MINIMUM SIZE OF $\frac{3}{16}$ " OR OF A SIZE EQUAL TO THE THICKNESS OF THE THINNER MATERIAL. WELD LEG SIZE SHALL BE ADJUSTED AS REQUIRED TO MAINTAIN THE EFFECTIVE THROAT OF A $\frac{3}{16}$ " FILLET WELD IN A 90° JOINT. ALL WELD SIZES SHOWN IN INCHES.
- 2.06 PRIOR TO WELDING, THE CONTRACTOR SHALL SUBMIT CERTIFICATION FOR EACH WELDER STATING THE TYPE OF WELDING AND POSITIONS QUALIFIED FOR, THE CODE AND PROCEDURE QUALIFIED UNDER, STATE QUALIFIED, AND THE FIRM AND INDIVIDUAL CERTIFYING THE QUALIFICATION TESTS. THIS INFORMATION SHALL BE SUBMITTED TO THE MODIFICATION INSPECTOR (SEE SHEET N-2 "CONSTRUCTION INSPECTION CHECKLIST") AS WELL AS ANY THIRD-PARTY CERTIFIED WELD INSPECTOR (CW).
- 2.07 ALL PROPOSED PARTS AND MEMBERS SHALL BE SHOP-FABRICATED AND WELDED TO THE EXTENT PRACTICABLE IN ORDER TO REDUCE FIELD INSTALLATION COSTS.

3.00 MODIFICATION NOTES

- 3.01 THESE MODIFICATIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF TIA/EIA-222, ASCE 7, AWS, ACI, AND AISC. MATERIALS AND SERVICES PROVIDED BY THE CONTRACTOR SHALL CONFORM TO THE ABOVE MENTIONED CODES AND CONTRACT SPECIFICATIONS.
- 3.02 ALL MATERIALS UTILIZED FOR THIS PROJECT MUST BE NEW AND FREE OF ANY DEFECTS.
- 3.03 ALL PRODUCT OR MATERIAL SUBSTITUTIONS PROPOSED BY THE CONTRACTOR SHALL BE APPROVED IN WRITING BY THE ENGINEER OF RECORD. CONTRACTOR SHALL PROVIDE DOCUMENTATION TO ENGINEER SUITABLE TO DETERMINE IF THE SUBSTITUTE IS ACCEPTABLE FOR USE AND MEETS THE ORIGINAL DESIGN CRITERIA. DIFFERENCES FROM THE ORIGINAL DESIGN, INCLUDING; MAINTENANCE, REPAIR, AND REPLACEMENT, SHALL BE NOTED. ESTIMATES OF COSTS/CREDITS ASSOCIATED WITH THE SUBSTITUTION (INCLUDING RE-DESIGN COSTS AND COSTS TO SUB-CONTRACTORS) SHALL BE PROVIDED TO THE ENGINEER. CONTRACTOR SHALL PROVIDE ADDITIONAL DOCUMENTATION AND/OR SPECIFICATION TO THE ENGINEER AS REQUESTED.
- 3.04 PROVIDE STRUCTURAL STEEL SHOP DRAWINGS(S) TO THE ENGINEER OF RECORD FOR APPROVAL PRIOR TO FABRICATION.
- 3.05 UNLESS NOTED OTHERWISE, ALL NEW MEMBERS AND REINFORCING SHALL MAINTAIN THE EXISTING MEMBER WORK AND NOT INTRODUCE ECCENTRICITIES INTO THE STRUCTURE.
- 3.06 ANY CONTRACTOR-CAUSED DAMAGE TO PROPERTY OF THE LAND OWNER, PROPERTY OF THE CUSTOMER, SITE FENCING OR GATES, ANY AND ALL UTILITY AND/OR SERVICE LINES, SHOWN OR NOT SHOWN ON THE PLANS SHALL BE REPAIRED OR REPLACED AT THE SOLE COST OF THE CONTRACTOR AND SHALL BE ADDRESSED BY THE CONTRACTOR WITH THE COMPANIES THAT OWN THE DAMAGED ITEMS.

4.00 CONTRACTOR NOTES

- 4.01 PRIOR TO BEGINNING CONSTRUCTION, ALL CONTRACTORS AND SUBCONTRACTORS MUST ACKNOWLEDGE IN WRITING TO STRUCTURE OWNER THAT THEY HAVE OBTAINED, UNDERSTAND, AND WILL FOLLOW STRUCTURE OWNER STANDARDS OF PRACTICE, CONSTRUCTION GUIDELINES, ALL SITE AND STRUCTURE SAFETY PROCEDURES, ALL PRODUCT LIMITATIONS AND INSTALLATION PROCEDURES USED ON SITE, AND PROPOSED MODIFICATION DESCRIBED RECEIPT OF ACKNOWLEDGEMENT MUST OCCUR PRIOR TO BEGINNING CONSTRUCTION OF CLIMBING. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO PROVIDE THE DOCUMENTATION FOR STRUCTURE OWNER ON COMPANY LETTERHEAD AND THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO OBTAIN THIS DOCUMENTATION FROM ANY SUBCONTRACTORS (ON SUBCONTRACTOR LETTERHEAD) AND DELIVER IT TO THE STRUCTURE OWNER.
- 4.02 IF THE CONTRACTOR DISCOVERS ANY EXISTING CONDITIONS THAT ARE NOT REPRESENTED ON THESE DRAWINGS, OR ANY CONDITIONS THAT WOULD INTERFERE WITH THE INSTALLATION OF THE MODIFICATIONS, THE ENGINEER OF RECORD SHALL BE CONTACTED IMMEDIATELY TO EVALUATE THE SIGNIFICANCE OF THE DEVIATION.
- 4.03 THE CONTRACTOR SHALL SOLICIT AND HIRE THE SERVICES OF A QUALIFIED MODIFICATIONS INSPECTOR PRIOR TO BEGINNING CONSTRUCTION, THE MODIFICATION INSPECTOR MAY BE AN EMPLOYEE OF THE CONTRACTOR'S FIRM; HOWEVER, THE INSPECTOR'S ONLY DUTIES SHALL BE INSPECTION, TESTING, AND REPORT CREATION AS REQUIRED ON THE "MODIFICATION INSPECTION NOTES" SHEET. IT IS ALSO ACCEPTABLE FOR THE CONTRACTOR TO SUBCONTRACT THE MODIFICATION INSPECTOR DUTIES TO A THIRD PARTY FIRM MEETING THE ABOVE REQUIREMENTS.
- 4.04 THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD AND TOWER OWNER OF THE PLANNED CONSTRUCTION & INSPECTION SCHEDULE, AS WELL AS ANY CHANGES TO THE SCHEDULE, WITHIN TWO BUSINESS DAYS OF COMPLETION OF THE SCHEDULE REVISION BOTH PRIOR TO BEGINNING CONSTRUCTION AND DURING CONSTRUCTION AS THE SCHEDULE CHANGES. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD WHEN PHASES OF CONSTRUCTION HAVE BEEN MOVED UP AND SHALL GIVE THE ENGINEER ADEQUATE NOTICE SO THE ENGINEER OF RECORD MAY, AT THEIR DISCRETION, INSPECT PORTIONS OF THE WORK DEEMED CRITICAL TO THE INTEGRITY OF THE STRUCTURE. FAILURE TO PROVIDE THIS NOTICE MAY RESULT IN REJECTION OF THE CONTRACTOR'S WORK. THE CONTRACTOR SHALL ALSO NOTIFY THE ENGINEER OF RECORD AND THE STRUCTURE OWNER WHEN THE WORK HAS BEEN COMPLETED WITHIN 2 BUSINESS DAYS OF THE COMPLETION OF THE WORK AND ASSOCIATED MODIFICATION INSPECTIONS & TESTING.
- 4.05 IT IS ASSUMED THAT ANY STRUCTURAL MODIFICATION WORK SPECIFIED IN THESE PLANS WILL BE ACCOMPLISHED BY KNOWLEDGEABLE WORKMEN WITH TOWER/BUILDING CONSTRUCTION EXPERIENCE. THIS INCLUDES PROVIDING THE NECESSARY CERTIFICATIONS TO THE STRUCTURE OWNER AND ENGINEER INCLUDING BUT NOT LIMITED TO QUALIFIED WELDER CERTIFICATES, CERTIFIED WELDING INSPECTOR CREDENTIALS, ET CETERA.
- 4.06 THESE DRAWINGS DO NOT INDICATE THE METHOD OF CONSTRUCTION, THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION METHODS, MEANS, TECHNIQUES, SEQUENCES AND PROCEDURES.
- 4.07 CONTRACTOR SHALL WORK WITHIN THE LIMITS OF THE STRUCTURE OWNER'S PROPERTY OF LEASE AREA AND APPROVED EASEMENT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY WORK IS WITHIN THESE BOUNDARIES. CONTRACTOR SHALL EMPLOY A SURVEYOR AS REQUIRED. ANY WORK OUTSIDE THESE BOUNDARIES SHALL BE APPROVED IN WRITING BY THE LAND OWNER PRIOR TO MOBILIZATION. CONSTRUCTION STAKING AND BOUNDARY MARKING IS THE RESPONSIBILITY OF THE CONTRACTOR.
- 4.08 DO NOT SCALE DRAWNGS. CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS, CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OR ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR THE SAME.

5.00 BOLT TIGHTENING PROCEDURE

5.01 TIGHTEN BOLTS PER AISC – "TURN OF THE NUT" METHOD, USING THE CHART BELOW:

BOLT LENGTHS UP TO & INCLUDING 4 ϕ	
$\frac{1}{2}$ " BOLTS UP TO & INCLUDING 2" LENGTH	+1/3 TURN BEYOND SNUG TIGHT
$\frac{5}{8}$ " BOLTS UP TO & INCLUDING 2 $\frac{1}{2}$ " LENGTH	+1/3 TURN BEYOND SNUG TIGHT
$\frac{3}{4}$ " BOLTS UP TO & INCLUDING 3" LENGTH	+1/3 TURN BEYOND SNUG TIGHT
$\frac{7}{8}$ " BOLTS UP TO & INCLUDING 3 $\frac{1}{2}$ " LENGTH	+1/3 TURN BEYOND SNUG TIGHT
1" BOLTS UP TO & INCLUDING 4" LENGTH	+1/3 TURN BEYOND SNUG TIGHT
1 $\frac{1}{8}$ " BOLTS UP TO & INCLUDING 4 $\frac{1}{2}$ " LENGTH	+1/3 TURN BEYOND SNUG TIGHT
1 $\frac{1}{4}$ " BOLTS UP TO & INCLUDING 5" LENGTH	+1/3 TURN BEYOND SNUG TIGHT
1 $\frac{1}{2}$ " BOLTS UP TO & INCLUDING 6" LENGTH	+1/3 TURN BEYOND SNUG TIGHT



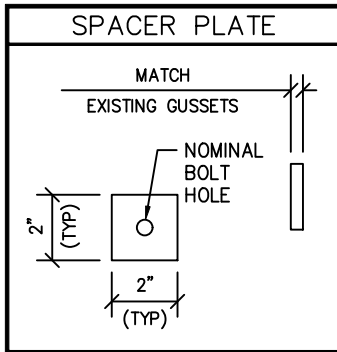
BOLT LENGTH OVER 4 ϕ BUT NOT EXCEEDING 8 ϕ	
$\frac{3}{4}$ " BOLTS 4.25" TO 6.0" LENGTH	+1/2 TURN BEYOND SNUG TIGHT
$\frac{7}{8}$ " BOLTS 3.75" TO 7.0" LENGTH	+1/2 TURN BEYOND SNUG TIGHT
1" BOLTS 4.25" TO 8.0" LENGTH	+1/2 TURN BEYOND SNUG TIGHT
1 $\frac{1}{8}$ " BOLTS 4.75" TO 9.0" LENGTH	+1/2 TURN BEYOND SNUG TIGHT
1 $\frac{1}{4}$ " BOLTS 5.25" TO 10.0" LENGTH	+1/2 TURN BEYOND SNUG TIGHT
1 $\frac{1}{2}$ " BOLTS 6.25" TO 12.0" LENGTH	+1/2 TURN BEYOND SNUG TIGHT




- 5.02 SPLICE BOLTS SUBJECT TO DIRECT TENSION SHALL BE INSTALLED AND TIGHTENED AS PER SECTION 8(d)(1) OF THE AISC MANUAL OF STEEL CONSTRUCTION. THE INSTALLATION PROCEDURE IS PARAPHRASED AS FOLLOWS:


"FASTENERS SHALL BE INSTALLED IN PROPERLY ALIGNED HOLES AND BE TIGHTENED BY ONE OF THE METHODS DESCRIBED IN SUBSECTION 8(d)(1) THROUGH 8(d)(4).

8(d)(1) TURN-OF-THE-NUT TIGHTENING
BOLTS SHALL BE INSTALLED IN ALL HOLES OF THE CONNECTION AND BROUGHT TO A SNUG TIGHT CONDITION. SNUG TIGHT IS DEFINED AS THE TIGHTNESS THAT EXISTS WHEN THE PLIES OF A JOINT ARE IN FIRM CONTACT. THIS MAY BE OBTAINED BY A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF A MAN USING AN ORDINARY SPUD WRENCH. SNUG TIGHTENING SHALL PROGRESS SYSTEMATICALLY UNTIL ALL THE BOLTS ARE SIMULTANEOUSLY SNUG TIGHT AND THE CONNECTION IS FULLY COMPACTED. FOLLOW THIS INITIAL OPERATION ALL BOLTS IN THE CONNECTION SHALL BE TIGHTENED FURTHER BY THE APPLICABLE AMOUNT OF ROTATION OF THE PART NOT TURNED BY THE WRENCH. TIGHTENING SHALL PROGRESS SYSTEMATICALLY

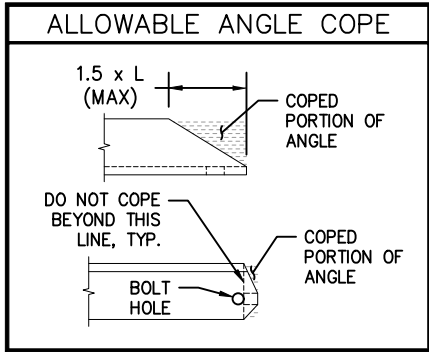


WORKABLE GAGES						
LEG WIDTH	4	3½	3	½	2	1¾
GAGE	2½	2	1¾	1½	1½	1

 - WORKABLE GAGES GIVEN IN INCHES

 - MATCH EXISTING WHEN APPLICABLE

NOMINAL HOLE DIMS		
BOLT ϕ	STANDARD HOLE ϕ	SHORT SLOT
$\frac{1}{2}$ " ϕ	$\frac{9}{16}$ " ϕ	$\frac{9}{16}$ " x $\frac{1}{16}$ "
$\frac{5}{8}$ " ϕ	$\frac{1}{4}$ " ϕ	$\frac{1}{4}$ " x $\frac{7}{16}$ "
$\frac{3}{4}$ " ϕ	$\frac{13}{16}$ " ϕ	$\frac{13}{16}$ " x 1"
$\frac{7}{8}$ " ϕ	$\frac{15}{16}$ " ϕ	$\frac{15}{16}$ " x $\frac{1}{8}$ "
1" ϕ	1 $\frac{1}{8}$ " ϕ	$\frac{1}{8}$ " x $\frac{15}{16}$ "
1 $\frac{1}{8}$ " ϕ	1 $\frac{1}{4}$ " ϕ	1 $\frac{1}{4}$ " x $\frac{1}{2}$ "
1 $\frac{1}{4}$ " ϕ	1 $\frac{3}{8}$ " ϕ	1 $\frac{3}{8}$ " x $\frac{1}{8}$ "



BOLT EDGE & SPACING (UNO)		
BOLT ϕ	EDGE DISTANCE	SPACING
$\frac{1}{2}$ " ϕ	$\frac{7}{8}$ "	1 $\frac{1}{2}$ "
$\frac{5}{8}$ " ϕ	1 $\frac{1}{8}$ "	1 $\frac{1}{8}$ "
$\frac{3}{4}$ " ϕ	1 $\frac{1}{4}$ "	2 $\frac{1}{4}$ "
$\frac{7}{8}$ " ϕ	1 $\frac{1}{2}$ "	2 $\frac{3}{4}$ "
1" ϕ	1 $\frac{3}{4}$ "	3"

MIN. EDGE
SPACING



PROJECT INFORMATION:

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DISTRICT OF COLUMBIA, DC 20018
DISTRICT OF COLUMBIA COUNTY

PLANS PREPARED BY:

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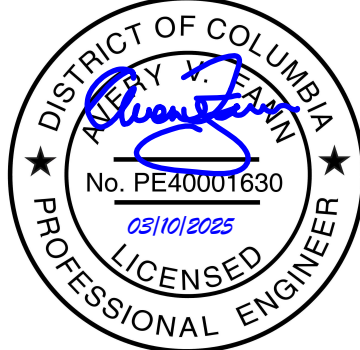
421 FAYETTEVILLE STREET, SUITE 600
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DC COA #N/A



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LICENSER:



012628109 / KHRAL-20552

DRAWN BY: CHECKED BY:

MRD

AVF

SHEET TITLE:

PROJECT
NOTES

SHEET NUMBER:

N-1

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1.00 GENERAL INSPECTION NOTES

- 1.01 THE POST-MODIFICATION INSPECTION IS A VISUAL EXAMINATION OF STRUCTURE MODIFICATIONS AND A REVIEW OF ANY REQUIRED CONSTRUCTION INSPECTIONS, TESTING, AND OTHER DATA TO VERIFY THAT THE MODIFICATIONS ARE INSTALLED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AS DESIGNED BY THE ENGINEER OF RECORD. THE CONTRACTOR DOCUMENTS INCLUDE THESE MODIFICATION DRAWINGS, ANY PROJECT SPECIFICATION REFERENCED TO IN THE PROJECT NOTES OR OTHERWISE PROVIDED WITH THE DRAWINGS, AND OTHER DOCUMENTS OR DRAWINGS PROVIDED WITH THE MODIFICATION DRAWINGS WITH THE INTENT THEY BE USED AS A DESIGN AID OR GUIDELINE FOR CONSTRUCTION.
- 1.02 THE POST-MODIFICATION INSPECTION SHALL CONFIRM INSTALLATION CONFIGURATION AND WORKMANSHIP ONLY AND IS NOT A QUALITATIVE REVIEW OF THE ENGINEERING ASPECTS OF THE DESIGN OR THE DESIGN DRAWINGS. THE MODIFICATION INSPECTOR IS NOT TAKING OWNERSHIP OF THE MODIFICATION DESIGN IN THE PERFORMANCE OF THEIR DUTIES. OWNERSHIP OF THE MODIFICATION DESIGN'S EFFECTIVENESS AND INTENT, AS WELL AS ALL ASSOCIATED RISK, LIED WITH THE ENGINEER OF RECORD AT ALL TIMES.
- 1.03 TO ENSURE THE REQUIREMENTS OF THE POST-MODIFICATION INSPECTION ARE MET, IT IS ESSENTIAL COORDINATION BETWEEN THE PRIME CONTRACTOR AND THE MODIFICATION INSPECTOR BEING AS SOON AS THE PROJECT IS FUNDED AND WORK ENTERS THE PLANNING STAGE. THE PRIME CONTRACTOR AND MODIFICATION INSPECTOR SHALL BE PROACTIVE IN IDENTIFYING CONSTRUCTION ISSUES AND COMMUNICATE THESE ISSUES TO EACH OTHER AND THE ENGINEER OF RECORD AND STRUCTURE OWNER & CUSTOMER, AS REQUIRED.

2.00 INSPECTION & REPORT RECOM'S

- 2.01 THE FOLLOWING ARE PROVIDED WITH THE INTENT OF ENHANCING THE EFFECTIVENESS OF THE MODIFICATION INSPECTIONS AND IMPROVING THE EFFICIENCY OF THE PROCESS OF COLLECTING AND COMPILING THE INFORMATION INTO A USEABLE REPORT:
- A. IT IS RECOMMENDED THE PRIME CONTRACTOR PROVIDE THE MODIFICATION INSPECTOR AT LEAST 5 BUSINESS DAYS NOTICE FOR WHEN THE SITE WILL BE READY FOR THE MODIFICATION INSPECTION.
- B. THE PRIME CONTRACTOR AND THE MODIFICATION INSPECTOR SHALL COORDINATE CLOSELY THROUGHOUT THE ENTIRE PROJECT.
- C. THE PRIME CONTRACTOR AND MODIFICATION INSPECTION SHALL BOTH BE PRESENT DURING THE INITIAL INSPECTIONS IN ORDER TO ALLOW FOR THE REMEDIATION OF DEFICIENCIES DURING THE INSPECTIONS, AS PRACTICABLE. IT MAY BE PREFERABLE TO KEEP WORK CREWS AND THEIR EQUIPMENT ON-SITE TO REMEDIATE DEFICIENCIES DURING INSPECTIONS.

3.00 INSPECTION RESCHEDULE & CANCEL

- 3.01 IF THE PRIME CONTRACTOR AND MODIFICATION INSPECTOR HAVE AGREED UPON A TIME AND DATE FOR A GIVEN INSPECTION AND EITHER PARTY RESCHEDULES OR CANCELS THE INSPECTION, THE STRUCTURE OWNER SHALL NOT BE RESPONSIBLE FOR COSTS, FEES, LOST DEPOSITS, OR OTHER EXPENSES INCURRED BY THE PRIME CONTRACTOR, THEIR SUBCONTRACTOR(S), OR THE MODIFICATION INSPECTOR DUE TO THESE SCHEDULING CHANGES. EXCEPTIONS MAY BE MADE IN THE EVENT OF UNCONTROLLABLE SITUATIONS SUCH AS NATURAL DISASTERS, SEVERE WEATHER, OR OTHER CONDITIONS THAT COMPROMISE THE SAFETY OF THE PARTIES INVOLVED.

4.00 REMEDIATION OF FAILING INSPECTION

- 4.01 IN THE EVENT ANY PORTION OF THE MODIFICATION WORK IS DETERMINED TO BE UNSATISFACTORY BY THE MODIFICATION INSPECTOR, THE PRIME CONTRACTOR SHALL WORK WITH THE MODIFICATION INSPECTOR TO CREATE A PLAN OF ACTION THAT WILL EITHER:
- A. REPAIR THE DEFICIENT WORK TO SATISFACTORY CONDITION AND INCLUDE A SUBSEQUENT RE-INSPECTION OF THE WORK TO VERIFY IT IS SATISFACTORY.
- B. OR, WITH THE PERMISSION OF THE STRUCTURE OWNER AND/OR CUSTOMER, THE PRIME CONTRACTOR MAY WORK WITH THE ENGINEER OF RECORD TO REVIEW THE AS-BUILT CONDITION OF THE MODIFICATION TO DETERMINE IF IT IS STRUCTURALLY ACCEPTABLE, IF THE ACTION US NOT ACCEPTABLE TO ANY PARTY, THE PRIME CONTRACTOR SHALL PROCEED TO REPAIR THE DEFICIENT WORK TO A SATISFACTORY CONDITION.

5.00 OWNER INSPECTIONS

- 5.01 THE STRUCTURE OWNER MAY CONDUCT INSPECTIONS TO VERIFY THE QUALITY AND COMPLETENESS OF THE PREVIOUSLY COMPLETED MODIFICATION INSPECTIONS REPORTS OR THE MODIFICATION INSTALLATION WORK.
- 5.02 INSPECTIONS MAY BE COMPLETED BY A 3RD-PARTY FIRM OF THE STRUCTURE OWNER'S CHOOSING AFTER A MODIFICATION PROJECT IS COMPLETED AND A PASSING MODIFICATION INSPECTION REPORT IS ISSUED.

6.00 MOD INSPECTOR'S RESPONSIBILITIES

- 6.01 THE MODIFICATION INSPECTOR SHALL CONTACT THE PRIME CONTRACTOR AS SOON AS THE HAVE RECEIVED A PURCHASE ORDER OR PAYMENT FOR THIS INSPECTION. THE MODIFICATION INSPECTOR SHALL REVIEW THE REQUIREMENTS OF THE INSPECTION CHECKLIST, SHALL WORK WITH THE PRIME CONTRACTOR TO DEVELOP A SCHEDULE OF NECESSARY ON-SITE INSPECTIONS, AND SHALL DISCUSS ANY SITE-SPECIFIC INSPECTION REQUIREMENTS OF OTHER CONCERNS.
- 6.02 THE MODIFICATION INSPECTOR IS RESPONSIBLE FOR COLLECTION ALL PRIME CONTRACTOR INSPECTION AND TEST REPORTS (INCLUDING THOSE OF ASSIGNED SUB-CONTRACTORS), SHALL REVIEW THE REPORTS FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS, SHALL CONDUCT THE NECESSARY ON-SITE INSPECTIONS, AND SHALL COMPILE AND SUBMIT THE MODIFICATION INSPECTION REPORT.

7.00 PRIME CONTRACTOR RESPONSIBILITIES

- 7.01 THE PRIME CONTRACTOR SHALL CONTACT THE MODIFICATION INSPECTOR AS SOON AS THEY HAVE RECEIVED A PURCHASE ORDER OR PAYMENT FOR THE MODIFICATION INSTALLATION. THE PRIME CONTRACTOR SHALL REVIEW THE REQUIREMENTS OF THE MODIFICATION INSPECTION CHECKLIST, SHALL WORK WITH THE MODIFICATION INSPECTOR TO DEVELOP A SCHEDULE TO CONDUCT ON-SITE INSPECTIONS, AND SHALL DISCUSS SPECIFIC INSPECTION AND TESTING REQUIREMENTS WITH THE MODIFICATION INSPECTOR IN DETAIL TO OBTAIN A FULL UNDERSTANDING OF THE REQUIRED INSPECTION AND TESTING.
- 7.02 THE PRIME CONTRACTOR SHALL PERFORM AND RECORD THE TESTING AND INSPECTION RESULTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE MODIFICATION INSPECTION CHECKLIST.

8.00 PHOTOGRAPHY REQUIREMENTS

- 8.01 THE PRIME CONTRACTOR AND MODIFICATION INSPECTOR SHALL, BETWEEN THE EFFORTS OF BOTH PARTIES AND THEIR EMPLOYED PERSONNEL, PROVIDED PHOTOGRAPHS WITH THE INSPECTION REPORT TO INCLUDE THE FOLLOWING:
- A. GENERAL SITE PHOTOGRAPHS PRE-CONSTRUCTION
- B. MODIFICATION INSTALLATION PHOTOGRAPHS DURING CONSTRUCTION/ ERECTION OPERATIONS AND INSPECTIONS.
- B.1. RAW MATERIALS
- B.2. PHOTOS OF DETAILED WORK REQUIRED ON THE DRAWINGS (CONNECTIONS, WELDMENTS, FIELD/FABRICATED MEMBERS, ETC.)
- B.3. WELD PREPARATION AND COMPLETED WELD INSPECTION (INCLUDING A FILLET WELD SIZE GAUGE, AS APPLICABLE)
- B.4. BOLT INSTALLATION AND TORQUE/PRETENSION.
- B.5. FINAL INSTALLED CONDITION (AFTER DEFICIENT CONDITIONS, IF ANY, ARE REMEDIATED).
- B.6. REPAIR OF SURFACE COATINGS (INCLUDING GALVANIZING AND/OR PAINT COATING).
- C. POST-MODIFICATION PHOTOGRAPHS OF THE SITE & WORK.
- D. PHOTOGRAPHS OF THE FINAL STATE OF THE SITE AT CONCLUSION OF THE WORK BY THE PRIME CONTRACTOR, ASSOCIATED SUBCONTRACTORS, AND THE MODIFICATION INSPECTOR.
- E. OTHER PHOTOS MAY BE INCLUDED AT PRIME CONTRACTOR & MODIFICATION INSPECTOR'S DISCRETION.

NOTE: PHOTOS OF MODIFICATIONS INSTALLED ABOVE AN ELEVATION OF 20' SHALL REQUIRE PHOTOS BE TAKEN FROM THE STRUCTURE AS WELL AS OVERALL PHOTOGRAPHS OF THE MODIFICATIONS TAKEN FROM THE GROUND.

9.00 SPECIAL INSPECTIONS (PER IBC)

Section	Type of Special Inspection and Extent	Applicable	Continuous or Periodic
1705.1	General	NO	N/A
1705.2	Steel construction	YES	PERIODIC
1705.3	Concrete construction	NO	N/A
1705.4	Masonry construction	NO	N/A
1705.5	Wood construction	NO	N/A
1705.6	Soils	NO	N/A
1705.7	Driven deep foundations	NO	N/A
1705.8	Cast-in-place deep foundations	NO	N/A
1705.9	Helical pile foundations	NO	N/A
1705.10	Fabricated items	YES	PERIODIC
1705.11	Special inspections for wind resistance	NO	N/A
1705.12	Special inspections for seismic resistance	NO	N/A
1705.13	Testing for seismic resistance	NO	N/A
1705.14	Sprayed fire-resistant materials	NO	N/A
1705.15	Mastic and intumescent fire-resistant coatings	NO	N/A
1705.16	Exterior insulation and finish systems (EIFS)	NO	N/A
1705.17	Fire-resistant penetrations and joints	NO	N/A
1705.18	Testing for smoke control	NO	N/A
1705.18	Underpinning	NO	N/A

PRE-CONSTRUCTION INSPECTION CHECKLIST

CONSTRUCTION AND/OR INSTALLATION INSPECTIONS REQUIRED FOR REPORT?	INSPECTION REPORT ITEM
YES	MODIFICATION INSPECTION CHECKLIST
YES	SHOP DRAWINGS APPROVED BY EOR (LATEST REVISION)
YES	FABRICATION INSPECTION
YES	FABRICATOR'S CERTIFIED WELD INSPECTION (CWI)
YES	FABRICATOR'S QUALIFIED PERSONNEL FOR WELDING
YES	MATERIAL TEST REPORT(S) / MILL CERTIFICATE(S)
YES	FABRICATOR'S NON-DESTRUCTIVE TESTING (NDT) TECHNICIAN
YES	PACKING SLIPS FOR STRUCTURAL MATERIALS

CONSTRUCTION INSPECTION CHECKLIST

CONSTRUCTION AND/OR INSTALLATION INSPECTIONS REQUIRED FOR REPORT?	INSPECTION REPORT ITEM
YES	CONSTRUCTION INSPECTION
	FOUNDATION INSPECTION
	CONCRETE COMPRESSIVE STRENGTH AND SLUMP TESTING RESULTS/CERTIFICATES
	ADHESIVE ANCHOR ROD(S) INSTALLATION INSPECTION
	BASE PLATE GROUT INSPECTION
YES	THIRD-PARTY CERTIFIED WELD INSPECTION (INCLUDING IBC SPECIAL INSPECTIONS)
	SOIL EXCAVATION-DENSITY TESTING, COMPACTION INSPECTION/VERIFICATION, USE OF SUITABLE FILL
YES	GALVANIZING REPAIR MATERIAL PREPARATION, INSPECTION & PAINT APPLICATION
	GUY WIRE (RE-)TENSION REPORT AND INSPECTION
YES	PRIME CONTRACTOR'S AS-BUILT DOCUMENTS (SIGNED & DATED)

POST-CONS. INSPECTION CHECKLIST

CONSTRUCTION AND/OR INSTALLATION INSPECTIONS REQUIRED FOR REPORT?	INSPECTION REPORT ITEM
YES	MODIFICATION INSPECTOR'S ISSUE LIST (INCLUDING CORRECTIVE ACTIONS TAKEN) AND/OR REDLINED RECORD DRAWINGS.
	POST-INSTALLED ADHESIVE ANCHOR ROD PULL-OUT TESTING
YES	PHOTOGRAPHS OF MODIFICATIONS (INCLUDE PHOTOS OF BOTH SIDES OF WELDED OR BOLTED CONNECTIONS, OF OVERALL AND DETAIL VIEWS OF INSTALLED MODIFICATIONS, AND BEFORE/AFTER PHOTOS OF ANY ISSUES IDENTIFIED BY THE INSPECTOR)



5000 VALLEYSTONE COURT
CARY, NORTH CAROLINA 27519

PROJECT INFORMATION:

OTIS
DC0002

1800 PERRY STREET NE
DISTRICT OF COLUMBIA, DC 20018
DISTRICT OF COLUMBIA COUNTY

PLANS PREPARED BY:

Kimley»Horn | DC

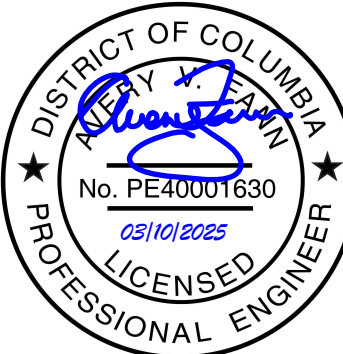
421 FAYETTEVILLE STREET, SUITE 600
RALEIGH, NC 27601
PHONE: 919-677-2000
WWW.KIMLEY-HORN.COM
DC COA #N/A



REV: DATE: ISSUED FOR: BY:

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1	3/6/2025	CONSTRUCTION	AVF
0	10/17/24	CONSTRUCTION	AVF

LICENSER:



PROJECT NUMBER:

012628109 / KHRAL-20552

DRAWN BY: CHECKED BY:

MRD

AVF

SHEET TITLE:

INSPECTION
NOTES

SHEET NUMBER:

N-2

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NOTE: EXISTING APPURTENANCES AND TOWER EQUIPMENT NOT SHOWN FOR CLARITY.

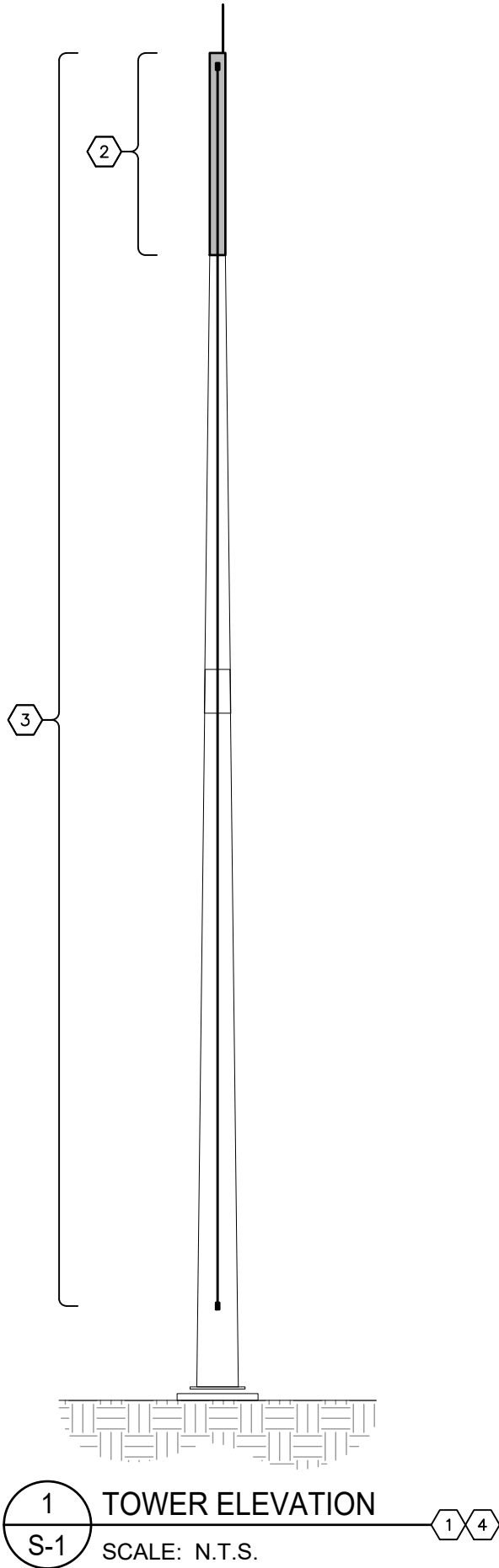
99.0 FT±
T/ TOWER (NEW)

84.0 FT±
T/ TOWER (EXISTING)

50.0 FT±
B/ SECTION

0.0 FT±
T/ BASE PL (REF)

NOTE: T/ BASE PL IS APPROXIMATELY
1'-0" ABOVE GRADE.



MODIFICATION SCHEDULE

NO.	ELEVATION	SCOPE	MATERIAL	NOTES
1	0.0-84.0'±	CONTRACTOR TO PERFORM PRE-MODIFICATION INSPECTION TO VERIFY MODIFICATIONS MAY BE INSTALLED AS SHOWN.	-	N-1 N-2
2	84.0-94.0'±	INSTALL 15-FT BOLT-ON EXTENSION. ALL BOLTS TO INCLUDE (2) WASHERS AND (1) NUT, AND SHALL BE TIGHTENED IN ACCORDANCE WITH SHEET N-1.	A53 GR. B P14STD	S-2 S-3 S-4
3	0.0-94.0'±	REPLACE EXISTING SAFETY CLIMB SYSTEM	SITE PRO 1 PSC-100-G	-
4	0.0-94.0'±	CONTRACTOR TO PROVIDE ALL NECESSARY MATERIAL CERTIFICATIONS, INSPECTION REPORTS, AND PHOTOS NECESSARY FOR KIMLEY-HORN TO COMPLETE A POST-MODIFICATION INSPECTION REPORT.	-	N-1 N-2

CONSTRUCTION NOTES

- SCOPE OF WORK MUST BE COMPLETED AT WIND SPEEDS < 20 MPH.
- ALL DIMENSION ARE APPROXIMATE, CONTRACTOR SHOULD FIELD VERIFY ALL DIMENSIONS BEFORE FABRICATION OF STEEL AND COMMENCEMENT OF WORK. FIELD CUT MEMBERS AS REQUIRED.

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS, CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEER OF RECORD IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR THE SAME.



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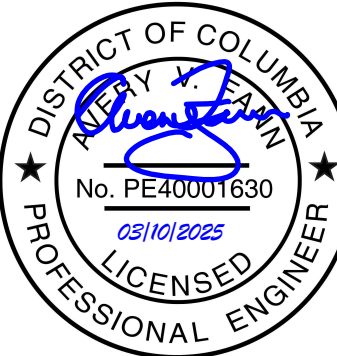
421 FAYETTEVILLE STREET, SUITE 600
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DC COA #N/A



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DRAWN BY: CHECKED BY:

MRD AVF

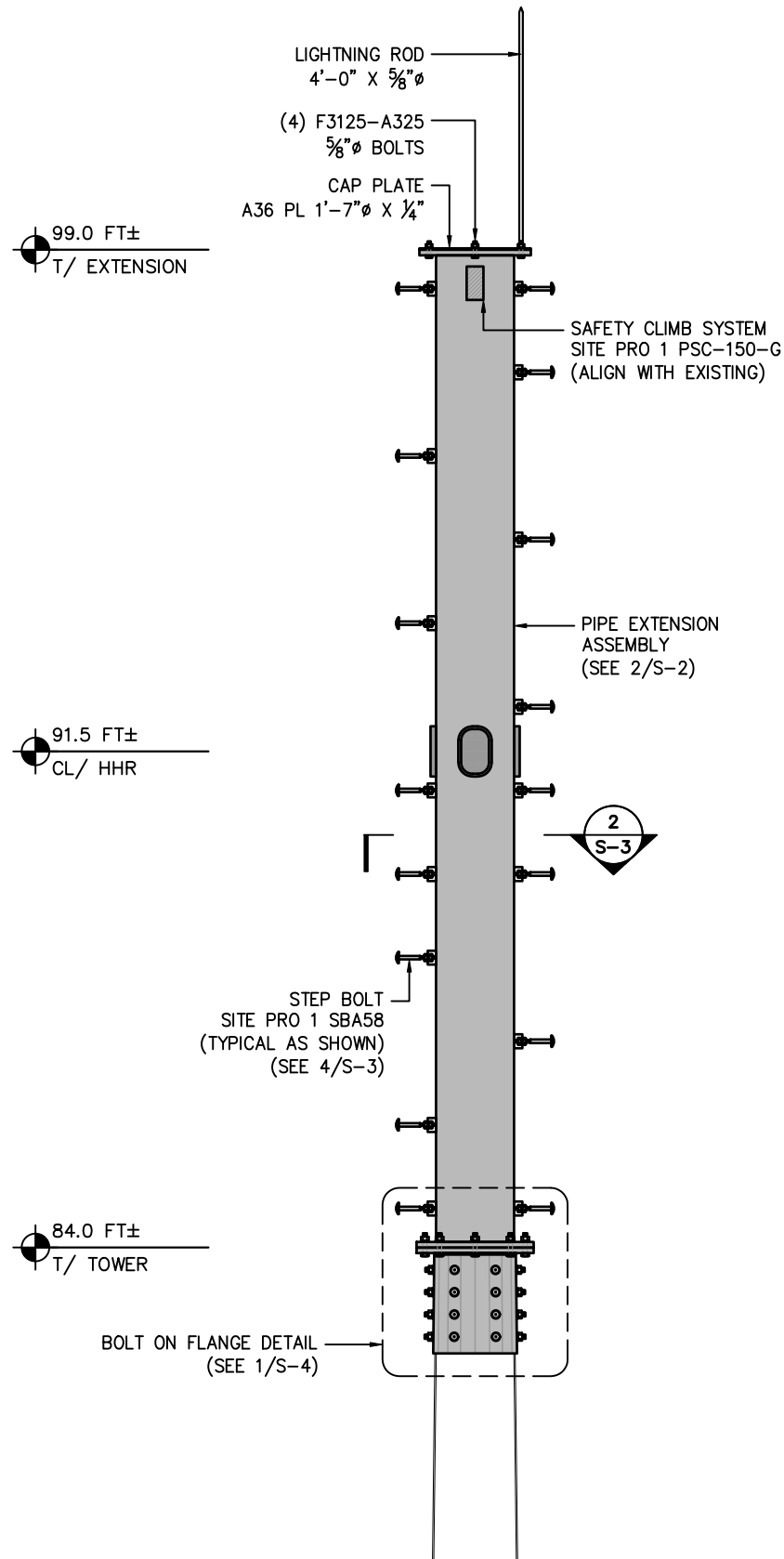
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TOWER ELEV.
& MODIFICATION
SCHEDULE

SHEET NUMBER:

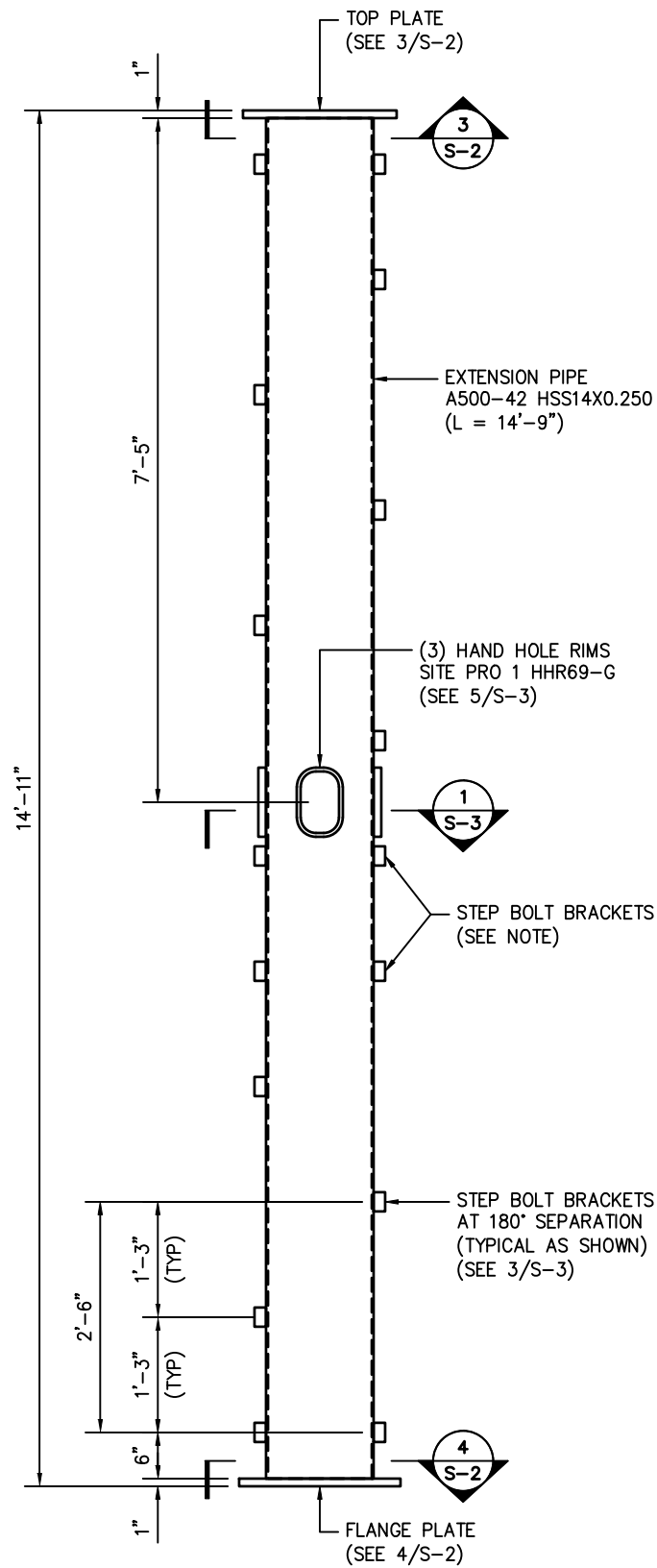
S-1

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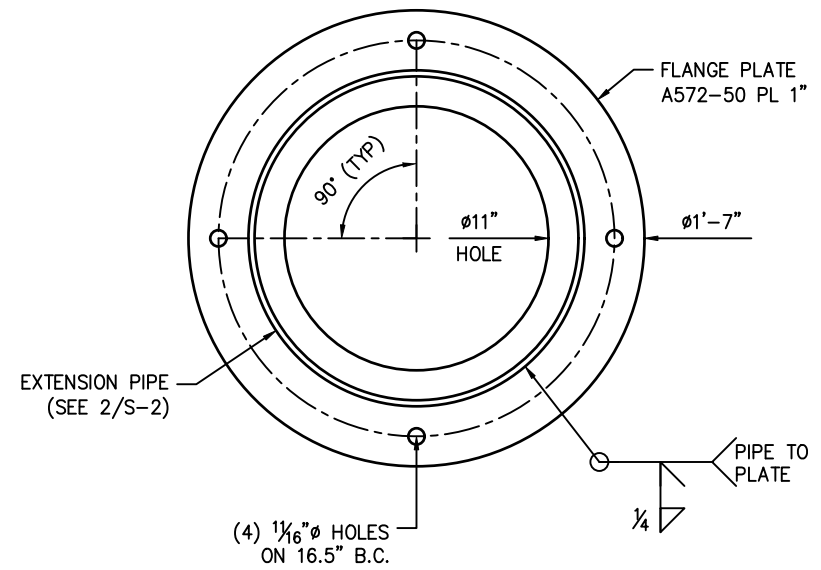
1 EXTENSION ELEVATION DETAIL
S-2 SCALE: N.T.S.

NOTE: (2) ROWS OF STEP PEGS ARE REQUIRED BELOW HHR LOCATIONS. MAINTAIN CONSISTENT VERTICAL AND LATERAL SPACING WITH OTHER STEP BOLT POSITIONS. TIE-OFF ANCHORS ARE REQUIRED AT ALL STEP BOLTS DIRECTLY BELOW HHR.

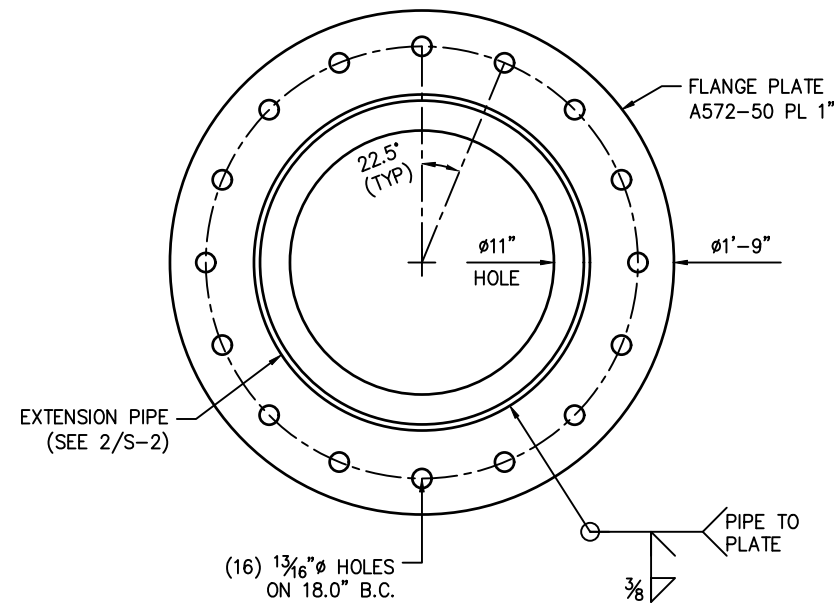


2 PIPE EXTENSION ASSEMBLY
S-2 SCALE: N.T.S.

NOTE: (1) BOLT LOCATION TO SUPPORT 4'-0" X 5/8" LIGHTNING ROD



3 TOP PLATE DETAIL
S-2 SCALE: N.T.S.



4 FLANGE PLATE DETAIL
S-2 SCALE: N.T.S.



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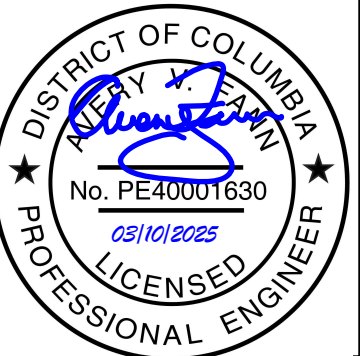
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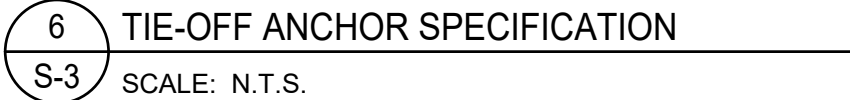
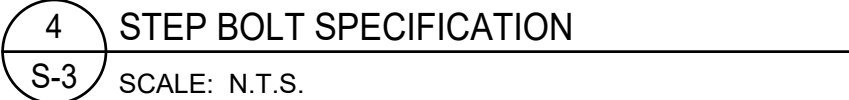
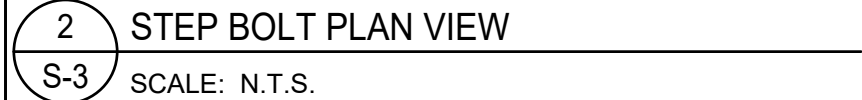
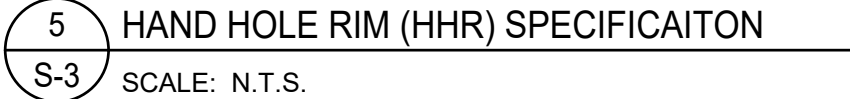
MRD AVF

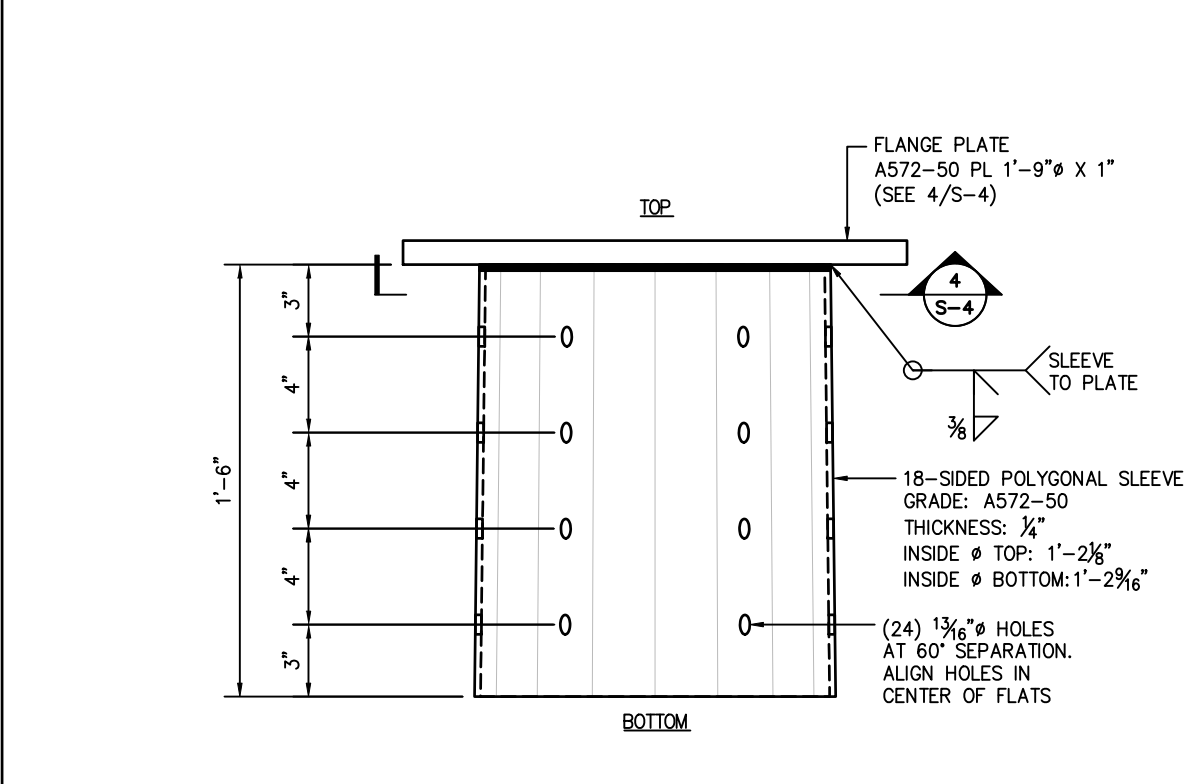
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CONSTRUCTION
DETAILS

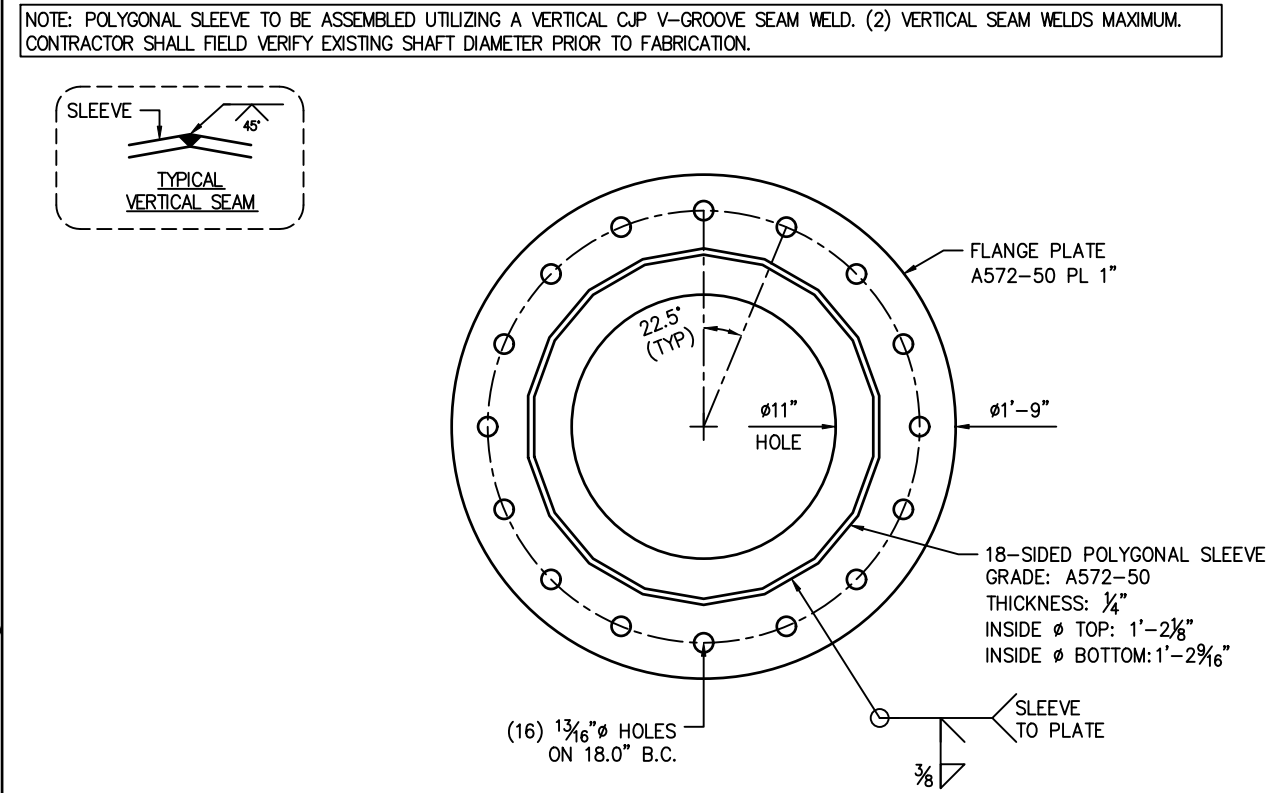
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S-2





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4 BOLT ON FLANGE ASSEMBLY DETAIL PLAN
S-4 SCALE: N.T.S.