



City of Puyallup Building ACCEPTED
 JMontgomery
 03/15/2022
 3:16:18 PM

Mark-up Legend

Building Review
Engineering Review
Fire Review
Planning Review
Public Works Review
Traffic Review

smartlink
 621 SW ALDER ST., SUITE 660
 PORTLAND, OR 97213



City of Puyallup Development Engineering APPROVED
 See permit for additional requirements.
 Linda Lian
 03/15/2022
 10:39:53 AM

City of Puyallup Development & Permitting Services ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

GOOD SAMARITAN - LTE 6C
 407 14TH AVENUE SOUTHEAST
 PUYALLUP, WA 98371
 PIERCE COUNTY
FA #10029581 / WA6659

PLANS PREPARED BY:

MORRISON HERSHFIELD
 5100 SW MACADAM AVENUE, SUITE 500
 PORTLAND, OR 97239
 Tel: 503.595.9129
 www.morrisonhershfield.com

PROJECT INFO:
 WA6659
GOOD SAMARITAN
 407 14TH AVENUE SOUTHEAST
 PUYALLUP, WA 98371
 PIERCE COUNTY

ISSUED FOR:
FINAL

REV.: DATE: ISSUED FOR: BY:

0	12/20/21	ISSUED FOR PERMIT	MG
A	12/10/21	PRELIMINARY 90% REVIEW	DLM

DRAWN BY: CHK.: APV.:
 DLM MG SWS

CURRENT ISSUE DATE:
 -



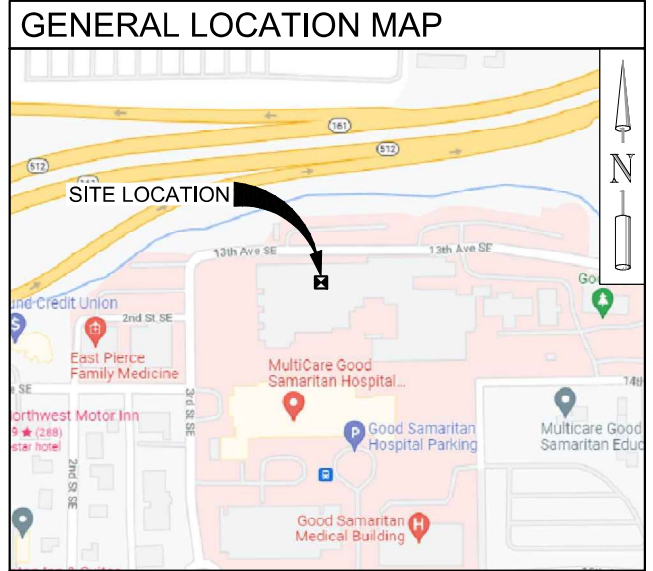
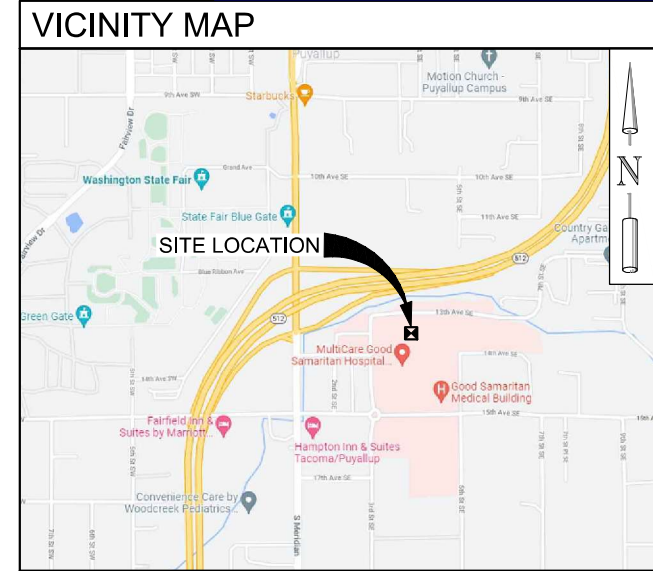
JURISDICTIONAL APPROVAL:

PROPRIETARY INFORMATION:
 DO NOT SCALE DRAWINGS. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND ADVISE CONSULTANTS OF ANY ERRORS AND OMISSIONS. ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED BY THE LATEST REVISION. THE INFORMATION CONTAINED IN THIS SET OF DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN WHICH IS RELATED TO NAMED CLIENT IS STRICTLY PROHIBITED.

DRAWING TITLE:
TITLE SHEET

DRAWING NUMBER:
T-1 0
 MH JOB NUMBER: 2000479

BUILDING LOADING BY ATT SHALL NOT EXCEED LOADING LISTED IN THE APPROVED TOWER STRUCTURAL ANALYSIS REPORT SIGNED AND SEALED BY SHAWN W. STEVENSON, DATED 08/31/2021 (UNDER SEPARATE COVER)



PROJECT TEAM

APPLICANT:
 AT&T MOBILITY
 RTC BUILDING 3
 16221 NE 72ND WAY
 REDMOND, WA 98052

TOWER OWNER:
 GOOD SAMARITAN HOSPITAL C/O CBRE
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 TACOMA, WA 98402
 GARRETT GUILER
 (425) 396-3294

PROJECT CONSULTANT:
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 11410 NORTHEAST 122ND WAY
 KIRKLAND, WA 98034

PROJECT LEAD:
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RF ENGINEER:
 ANNE LE
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 al7568@att.com

DRAWING INDEX

DWG	DESCRIPTION
T-1	TITLE SHEET
G-1	GENERAL NOTES
A-1	SITE PLAN
A-1.1	ENLARGED SITE PLAN
A-1.2	EXISTING AND PROPOSED EQUIPMENT PLAN
A-2	ELEVATIONS
A-3	DETAILS
RF-1	ANTENNA PLANS AND SCHEDULES
E-1	SCHEMATIC GROUNDING PLAN
E-1.1	GROUNDING DETAILS

PROJECT INFORMATION

- SWAP (3) LTE ANTENNAS FOR (3) LTE ANTENNAS.
- SWAP (3) LTE / UMTS ANTENNAS FOR (3) LTE / UMTS ANTENNAS
- RELOCATE (3) LTE 850/AWS/WCS ANTENNAS (1 PER SECTOR)
- REMOVE (6) 2-LGP 21401 UMTS TMA'S (2 PER SECTOR)
- REMOVE (3) RRH2x60-850 (1 PER SECTOR)
- REMOVE (3) RRH2x40-AWS+RDEM (1 PER SECTOR)
- REMOVE (3) RRH2x40W-07L (1 PER SECTOR)
- RELOCATE (3) RRHx25-WCS-4R (1 PER SECTOR)
- ADD (3) RRH 4T4R B5 160W AHCA (1 PER SECTOR)
- ADD (3) RRH 4T4R B25/66 320W AHFIB (1 PER SECTOR)
- ADD (3) RRH B12/B14 AIRSCALE DUAL BAND RRH 4T4R 320W AHLBA (1 PER SECTOR)

SITE CONTAINS (12) STRINGS OF MARATHON BATTERIES, A GENERATOR AND (8) CORDEX RECTIFIERS. THIS SITE REQUIRES (12) MARATHON BATTERY STRINGS, GENERATOR AND (8) CORDEX RETIFIERS TO MEET ATT-002-290-347-V9 BBU RUNTIME REQUIREMENTS. THIS SITE IS COMPLIANT.

- REPLACE EXISTING PURCELL DOOR W/ NEW "HEX" DOOR
- INSTALL (1) 5G GROWTH KIT TO EXISTING FSM4
- INSTALL (1) 25 AMP BREAKER FOR NEW 5G GROWTH KIT
- REPLACE (6) 15 AMP BREAKERS W/ (6) NEW 50 AMP BREAKERS TO ACCOMMODATE FOR NEW DUAL RRH'S
- REPLACE (3) 15 AMP BREAKERS W/ (3) NEW 25 AMP BREAKERS TO ACCOMMODATE FOR B5 RRH'S

PER RFDS WATAU3055, VERSION 2.0 DATED 10-15-2018

APPROVAL/SIGN OFF OF DRAWINGS

CONSULTANT	DATE	SIGNATURE
PROJECT MANAGER		
CONSTRUCTION MANAGER		
SITE ACQUISITION		
LANDLORD'S REPRESENTATIVE		
CARRIER	DATE	SIGNATURE
PROJECT MANAGER		
CONSTRUCTION MANAGER		
RF ENGINEER		
INTERCONNECT		
OPERATIONS		
COMPLIANCE		

REVIEWERS SHALL CLEARLY PLACE INITIALS ADJACENT TO EACH REDLINE NOTE AS DRAWINGS ARE BEING REDLINED

DRIVING DIRECTIONS

FROM SPOKANE INTERNATIONAL AIRPORT:

GET ON I-90 W FROM W AIRPORT DR
 HEAD SOUTHEAST ON FLINT RD TOWARD W AIRPORT DR
 TURN LEFT ONTO W AIRPORT DR. MERGE WITH US-2 E
 KEEP RIGHT AT THE Y JUNCTION, FOLLOW SIGNS FOR I-90 W/RITZVILLE AND MERGE WITH I-90 W
 CONTINUE ON I-90 W TO PUYALLUP.
 MERGE WITH I-90 W. KEEP LEFT TO STAY ON I-90 W
 TAKE EXIT 25 TOWARD ECHO GLEN RD
 USE ANY LANE TO TURN LEFT ONTO ECHO GLEN RD
 CONTINUE ONTO WA-18 W
 TAKE THE EXIT ONTO WA-167 S TOWARD PUYALLUP
 USE THE RIGHT 2 LANES TO TAKE THE WA-512 W EXIT TOWARD WA-161 S/PUYALLUP/OLYMPIA
 CONTINUE ONTO WA-161 S/WA-512 W. TAKE THE EXIT TOWARD MERIDIAN ST S. CONTINUE ON S MERIDIAN. TAKE 3RD ST SE TO 13TH AVE SE
 TURN LEFT ONTO S MERIDIAN. TURN LEFT ONTO 15TH AVE SE AT THE ROUNDABOUT, TAKE THE 3RD EXIT ONTO 3RD ST SE
 3RD ST SE TURNS SLIGHTLY RIGHT AND BECOMES 13TH AVE SE
 DESTINATION WILL BE ON THE RIGHT

PROJECT INFORMATION

CODE INFORMATION:
 ZONING CLASSIFICATION: MEDICAL (MED)
 BUILDING CODE: 2018 IBC
 CONSTRUCTION TYPE: II-B
 OCCUPANCY: GROUP U
 JURISDICTION: CITY OF PUYALLUP
 PROPOSED BUILDING USE: UNMANNED TELECOMMUNICATIONS FACILITY
SITE LOCATION (BASED ON NAD 83):
 LATITUDE: 47° 10' 46.2" N (47.179500°)
 LONGITUDE: 122° 17' 26.009" W (-122.29055°)
 TOP OF STRUCTURE: ±94'-1" (WALL MOUNTS)
 BASE OF STRUCTURE: ±134' AMSL

PARCEL NUMBER:
 981010000014
 981010000015
 981010000016

AREA OF PARCEL:
 -

PROJECT AREA:
 -

NEW IMPERVIOUS AREA:
 -

GENERAL INFORMATION:
 1. PARKING REQUIREMENTS ARE UNCHANGED. (NON ASSIGNED TECH PARKING)
 2. TRAFFIC IS UNAFFECTED.

GENERAL NOTES:

- 1. DRAWINGS ARE NOT TO BE SCALED, WRITTEN DIMENSIONS TAKE PRECEDENCE...
2. PRIOR TO THE SUBMISSION OF BIDS, CONTRACTORS INVOLVED SHALL VISIT THE JOB SITE...
3. THE ARCHITECTS/ENGINEERS HAVE MADE EVERY EFFORT TO SET FORTH IN THE CONSTRUCTION AND CONTRACT DOCUMENTS...
4. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS...
5. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS ACCORDING TO MANUFACTURER'S/VENDOR'S SPECIFICATIONS...
6. ALL WORK PERFORMED ON THE PROJECT AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES...
7. GENERAL CONTRACTOR SHALL PROVIDE, AT THE PROJECT SITE, A FULL SET OF CONSTRUCTION DOCUMENTS UPDATED WITH THE LATEST REVISIONS AND ADDENDA...
8. THE STRUCTURAL COMPONENTS OF ADJACENT CONSTRUCTION OR FACILITIES ARE NOT TO BE ALTERED BY THIS CONSTRUCTION PROJECT...
9. SEAL ALL PENETRATIONS THROUGH FIRE-RATED AREAS WITH U.L. LISTED OR FIRE MARSHALL APPROVED MATERIALS...
10. CONTRACTOR TO PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A OR 2-A10BC WITHIN 75 FEET TRAVEL DISTANCE...
11. CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, EASEMENTS, PAVING, CURBING, ETC...
12. CONTRACTOR SHALL KEEP GENERAL WORK AREA CLEAN AND HAZARD FREE DURING CONSTRUCTION AND DISPOSE OF ALL DIRT, DEBRIS, AND RUBBISH OFFSITE...
13. THE GENERAL CONTRACTOR SHALL RECEIVE WRITTEN AUTHORIZATION TO PROCEED WITH CONSTRUCTION PRIOR TO STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED BY THE CONSTRUCTION DRAWINGS/CONTRACT DOCUMENTS...
14. THE CONTRACTOR SHALL PERFORM WORK DURING OWNER'S PREFERRED HOURS TO AVOID DISTURBING NORMAL BUSINESS...
15. THE CONTRACTOR SHALL PROVIDE THE CLIENT PROPER INSURANCE CERTIFICATES NAMING CLIENT AS ADDITIONAL INSURED, AND CLIENT PROOF OF LICENSE(S) AND PE & PD INSURANCE...
16. CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING AND COORDINATING ALL INSPECTIONS...
17. CAUTION! CALL BEFORE YOU DIG! BURIED UTILITIES EXIST IN THE AREA AND UTILITY INFORMATION SHOWN MAY NOT BE COMPLETE...
18. CONTRACTOR TO DOCUMENT ALL WORK PERFORMED WITH PHOTOGRAPHS AND SUBMIT TO CLIENT ALONG WITH REDLINED CONSTRUCTION SET...
19. CONTRACTOR TO DOCUMENT ALL CHANGES MADE IN THE FIELD BY MARKING UP (REDLINING) THE APPROVED CONSTRUCTION SET AND SUBMITTING THE REDLINED SET TO THE CLIENT UPON COMPLETION...
20. FOR COLLOCATION SITES: CONTACT TOWER OWNER REPRESENTATIVE FOR PARTICIPATION IN BID WALK...
21. GENERAL CONTRACTOR IS TO COORDINATE ALL POWER INSTALLATION WITH POWER COMPANY AS REQUIRED...
22. ANY SUBSTITUTIONS OF MATERIALS AND/OR EQUIPMENT, MUST BE APPROVED BY CLIENT CONSTRUCTION MANAGER...
23. IN THE CASE OF ROOFTOP SOLUTIONS FOR EQUIPMENT AND/OR ANTENNA FRAMES WHERE PENETRATIONS THROUGH MATERIALS OCCUR...
24. IN THE CASE OF ROOFTOP SOLUTIONS WITH THE INSTALLATION OF ANTENNAS WITHIN CONCEALED (SHROUDED) SUPPORT FRAMES OR TRIPODS...
25. IN THE CASE OF ROOFTOP SOLUTIONS FOR EQUIPMENT AND/OR ANTENNA FRAMES WHERE ANCHORING TO A CONCRETE ROOF SLAB IS REQUIRED...

26. GENERAL & SUB CONTRACTORS SHALL USE STAINLESS STEEL METAL LOCKING TIES FOR ALL CABLE TRAY TIE DOWNS AND ALL OTHER GENERAL TIE DOWNS (WHERE APPLICABLE)...

DESIGN CRITERIA:

THE STRUCTURAL DESIGN OF THIS PROJECT IS IN ACCORDANCE WITH THE 2018 INTERNATIONAL BUILDING CODE WITH WASHINGTON STATE BUILDING CODE AMENDMENTS (2018 IBC)

Table with columns: DESIGN LOADS, DESIGN DATA FOR PIERCE COUNTY, WA, and values for roof snow load, basic wind speed, and wind exposure.

CODE COMPLIANCE:

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES...

Table mapping Building/Dwelling Code, Structural Code, Mechanical Code, Electrical Code, and Fire/Life Safety Code to specific IBC chapters.

FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS REQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH THE 2018 IBC BUILDING CODE.

CONCRETE NOTES:

- 1. ALL CONCRETE CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI 318.
2. CONCRETE SHALL BE MIXED, PROPORTIONED, CONVEYED AND PLACED IN ACCORDANCE WITH CHAPTER 19 OF THE 2018 IBC...

Table with columns: TYPE OF CONSTRUCTION, 28 DAY STRENGTHS (fc), W/C RATIO, and MINIMUM CEMENT CONTENT PER CUBIC YARD.

2. THE GENERAL CONTRACTOR SHALL SUPERVISE AND BE RESPONSIBLE FOR THE METHODS AND PROCEDURES OF CONCRETE PLACEMENT.

3. ALL CONCRETE WITH SURFACES EXPOSED TO STANDING WATER SHALL BE AIR-ENTRAINED WITH AN AIR-ENTRAINING AGENT CONFORMING TO ASTM C260, C494, C618, C989 AND C1017...

4. REINFORCING STEEL SHALL CONFORM TO ASTM A615 (INCLUDING SUPPLEMENT S1), GRADE 60, fy=60,000 PSI. EXCEPTIONS: ANY BARS SPECIFICALLY SO NOTED ON THE DRAWINGS...

5. REINFORCING STEEL SHALL BE DETAILED (INCLUDING HOOKS AND BENDS) IN ACCORDANCE WITH ACI 315 AND 318. LAP ALL CONTINUOUS REINFORCEMENT AT LEAST 30 BAR DIAMETERS OR A MINIMUM OF 2'-0"...

6. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185.

7. SPIRAL REINFORCEMENT SHALL BE PLAIN WIRE CONFORMING TO ASTM A615, GRADE 60, fy=60,000 PSI.

8. NO BARS PARTIALLY EMBEDDED IN HARDENED CONCRETE SHALL BE FIELD BENT UNLESS SPECIFICALLY SO DETAILED OR APPROVED BY THE CONSULTANT.

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

Table with columns: Protection type, Thickness, and Notes for concrete cast against weather, exposed to earth, and not exposed to weather.

11. BARS SHALL BE SUPPORTED ON CHAIRS OR DOBIE BRICKS.

12. ANCHOR BOLTS TO CONFORM TO ASTM A307.

13. NON-SHRINK GROUT SHALL BE FURNISHED BY AN APPROVED MANUFACTURER AND SHALL BE MIXED AND PLACED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S PUBLISHED RECOMMENDATIONS...

14. ALL EXPANSION ANCHORS TO BE HILTI BRAND. ADHESIVE ANCHORS REQUIRE TESTING TO

CONFIRM CAPACITY UNLESS WAIVED BY ENGINEER.

STRUCTURAL STEEL NOTES:

- 1. SHOP DRAWINGS FOR STRUCTURAL STEEL SHALL BE SUBMITTED TO THE CONSULTANT FOR REVIEW PRIOR TO FABRICATION.
2. STRUCTURAL STEEL DESIGN, FABRICATION AND ERECTION (INCLUDING FIELD WELDING, HIGH STRENGTH FIELD BOLTING, EXPANSION BOLTS, AND THREADED EXPANSION ANCHORS) SHALL BE BASED ON THE A.I.S.I. 'SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS' LATEST EDITION...

3. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:

Table with columns: TYPE OF MEMBER and values for Wide Flange Shape, Other Shape, Pipe Columns, Structural Tubing, Anchor Bolts, and Connection Bolts.

4. ALL MATERIAL TO BE HOT DIPPED GALVANIZED AFTER FABRICATION PER A123/A123M-13.

5. ALL WELDING SHALL BE IN CONFORMANCE WITH A.I.S.I. AND AWS STANDARDS AND SHALL BE PERFORMED BY W.A.B.O. CERTIFIED WELDERS USING E70 XX ELECTRODES. ONLY PREQUALIFIED WELDS (AS DEFINED BY AWS) SHALL BE USED...

6. COLD-FORMED STEEL FRAMING MEMBERS SHALL BE OF THE SHAPE, SIZE, AND GAGE SHOWN ON THE PLANS. PROVIDE MINIMUM SECTION PROPERTIES INDICATED. ALL COLD-FORMED STEEL FRAMING SHALL CONFORM TO THE A.I.S.I. 'SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS'.

7. BOLTED CONNECTIONS SHALL USE BEARING TYPE ASTM A325 BOLTS (3/4" DIA.) AND SHALL HAVE A MINIMUM OF TWO BOLTS UNLESS NOTED OTHERWISE.

8. NON-STRUCTURAL CONNECTIONS FOR STEEL GRATING MAY USE 5/8" DIA. ASTM A307 BOLTS UNLESS NOTED OTHERWISE.

9. ALL STEEL WORK SHALL BE PAINTED IN ACCORDANCE WITH THE DESIGN & CONSTRUCTION SPECIFICATION AND IN ACCORDANCE WITH ASTM A36 UNLESS NOTED OTHERWISE.

10. ALL WELDS TO BE 1/4" FILLET UNLESS NOTED OTHERWISE.

11. TOUCH UP ALL FIELD DRILLING AND WELDING WITH 2 COATS OF GALVA-COAT (ZINC RICH PAINT) OR APPROVED EQUAL.

TOWER/POLE NOTES:

1. VERIFICATION THAT THE PROPOSED TOWER/POLE CAN SUPPORT THE PROPOSED ANTENNA LOADING IS TO BE DONE BY OTHERS.

2. PROVIDE SUPPORTS FOR THE ANTENNA COAX CABLES TO THE ELEVATION OF ALL INITIAL AND FUTURE ANTENNAS. ANTENNA COAX CABLES ARE TO BE SUPPORTED AND RESTRAINED AT THE CENTERS SUITABLE TO THE MANUFACTURER'S REQUIREMENTS.

ABBREVIATED ROOFTOP SAFETY PROCEDURES (WHEN APPLICABLE):

(AS PER 'ACCIDENT PREVENTION PROGRAM' - BY PERMISSION OF WREN CONSTRUCTION, INC. - 03/01/99)

FALL PROTECTION METHODS AND EQUIPMENT ROOF TOP INSTALLATIONS

1. FOR WORK BEING PERFORMED WITHIN 25' OF AN UNPROTECTED ROOF EDGE, THE CONSTRUCTION SUPERVISOR SHALL DESIGNATE A TRAINED SAFETY MONITOR TO OBSERVE THE MOVEMENTS AND ACTIVITIES OF THE CONSTRUCTION WORKERS.

2. SAFETY MONITOR SHALL WARN CONSTRUCTION WORKERS OF HAZARDS (I.E., BACKING UP TOWARD A ROOF EDGE, ETC.) OR UNSAFE ACTIVITIES. THE SAFETY MONITOR MUST BE ON THE SAME ROOF AND WITHIN VISUAL AND VERBAL DISTANCE OF THE CONSTRUCTION WORKERS.

3. CONSTRUCTION INVOLVING WORKERS TO APPROACH WITHIN 6' OR LESS OF AN UNPROTECTED ROOF EDGE, REQUIRES WORKERS TO USE SAFETY LINE.

4. SAFETY LINE SHALL BE MINIMUM 1/2" DIAMETER NYLON, WITH A NOMINAL TENSILE STRENGTH OF 5400 LBS.

5. SAFETY LINE SHALL BE ATTACHED TO A SUBSTANTIAL MEMBER OF THE STRUCTURE.

6. SAFETY LINE LENGTH SHALL BE SET ALLOWING CONSTRUCTION WORKER TO REACH EDGE OF ROOF, BUT NOT BEYOND.

7. SAFETY BELTS SHALL BE WORN BY ALL CONSTRUCTION WORKERS.

8. MONTHLY SAFETY INSPECTION AND MAINTENANCE OF THE FALL PROTECTION EQUIPMENT SHALL OCCUR BY THE SAFETY COMMITTEE REPRESENTATIVES, INCLUDING:

- INSPECTION OF CONSTRUCTION AREA FOR HAZARDS
USE OF AN INSPECTION CHECKLIST
INTERVIEWING COWORKERS REGARDING SAFETY CONCERNS
REPORTING AND DOCUMENTING ANY HAZARDS
REPORTING HAZARDS TO THE SAFETY COMMITTEE FOR CONSIDERATION
POSTING RESULTS OF INSPECTION AND ANY ACTION TAKEN
RECEIVING AN UNBIASED REVIEW OF ONE'S OWN WORK AREA BY ANOTHER COWORKER SAFETY REPRESENTATIVE

REFER TO ROOFTOP WORK AREA SAFETY PROTOCOL NATIONAL ASSOCIATION OF TOWER ERECTORS 2000 PUBLICATION

REFERENCED OSHA REGULATION/STANDARDS SHALL BE REVIEWED BY TOWER ERECTORS, EQUIPMENT INSTALLERS, AND TOWER/ROOF TOP CONTRACTORS/SUBCONTRACTORS
29 CFR 1926.500 - SCOPE, APPLICATION, AND DEFINITIONS
29 CFR 1926.501 - DUTY TO HAVE FALL PROTECTION
19 CFR 1926.502 - FALL PROTECTION SYSTEMS CRITERIA AND PRACTICES

SYMBOLS AND ABBREVIATIONS

Table mapping symbols and abbreviations to their full names, such as A/C for Air Conditioning, BLDG for Building, CLG for Ceiling, etc.

Table mapping symbols and abbreviations to their full names, such as PLATE, CENTERLINE, EXISTING, DETAIL NUMBER, SHEET NUMBER, CHAIN-LINK FENCE, etc.

SPECIAL INSPECTIONS:

SPECIAL INSPECTIONS IN ACCORDANCE WITH 2018 IBC SECTION 1704.

- SOILS/GEOTECHNICAL:
[] SHORING INSTALLATION AND MONITORING
[] OBSERVE AND MONITOR EXCAVATION
[] VERIFY SOIL BEARING ___ psf BEARING
[] SUBSURFACE DRAINAGE PLACEMENT
[] VERIFY FILL MATERIAL AND COMPACTION
[] VERIFY CONDITIONS AS ANTICIPATED
[] PILE PLACEMENT (AUGER CAST/DRIVEN PILE)
[] OTHER

- REINFORCED CONCRETE:
[] REINFORCING STEEL AND CONCRETE PLACEMENT
[] PRESTRESSED/PRECAST CONCRETE FABRICATION AND ERECTION
[] BATCH PLANT INSPECTION
[] SHOTCRETE
[] GROUTING
[] OTHER

- STRUCTURAL STEEL:
[] FABRICATION AND SHOP WELDS
[] ERECTION AND FIELD WELDS AND BOLTING
[] OTHER

- STRUCTURAL ALUMINUM:
[] FABRICATION AND SHOP WELDS
[] ERECTION AND FIELD WELDS AND BOLTING
[] OTHER

- STRUCTURAL MASONRY:
[] CONTINUOUS
[] PERIODIC
[] OTHER

OTHER: _____

- ANCHORING TO CONCRETE:
[] BOLTS INSTALLED IN CONCRETE
[] POST-INSTALLATION ADHESIVE ANCHORS
[] POST-INSTALLATION MECHANICAL ANCHORS

City of Puyallup Development & Permitting Services ISSUED PERMIT. Includes a grid for Building, Planning, Engineering, Public Works, Fire, and Traffic. Also includes a 'CALL TWO WORKING DAYS BEFORE YOU DIG! 811' logo and 'NATIONAL UTILITIES UNDERGROUND LOCATE' logo.



PLANS PREPARED BY: MORRISON HERSHFIELD. 5100 SW MACADAM AVENUE, SUITE 500 PORTLAND, OR 97239. Tel: 503.595.9129 www.morrisonhershfield.com

PROJECT INFO: WA6659 GOOD SAMARITAN 407 14TH AVENUE SOUTHEAST PUYALLUP, WA 98371 PIERCE COUNTY

ISSUED FOR: FINAL

Table with columns: REV., DATE, ISSUED FOR, and BY. Shows revisions 0 and A with dates 12/20/21 and 12/10/21.

DRAWN BY: CHK.: APV.: DLM MG SWS

CURRENT ISSUE DATE: -

LICENSURE: G. LANCE COOK, STATE OF WASHINGTON, PROFESSIONAL ENGINEER, REG. NO. 42210, EXP. 6/2/22

JURISDICTIONAL APPROVAL: (Empty box)

PROPRIETARY INFORMATION: DO NOT SCALE DRAWINGS. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND ADVISE CONSULTANTS OF ANY ERRORS AND OMISSIONS...

DRAWING TITLE: GENERAL NOTES

DRAWING NUMBER: G-1 0

MH JOB NUMBER: 2000479

THIS IS NOT A SURVEY

ALL INFORMATION AND TRUE NORTH HAVE BEEN OBTAINED FROM EXISTING DRAWINGS AND ARE APPROXIMATE.

**City of Puyallup
Development & Permitting Services
ISSUED PERMIT**

Building	Planning
Engineering	Public Works
Fire	Traffic

LEGAL DESCRIPTION

SECTION 34 TOWNSHIP 20 RANGE 04 QUARTER 23 WOODS 1ST CANNOT BE SOLD OR SUBD WITHOUT 001-4 & 001-5 LOT 1 OF BLA 2010-06-15-5001 DESC AS BEG AT A PT 30 FT E & 151.05 FT N OF INTER OF 15TH AV SE & 3RD ST SE TH N 322.08 FT TH N 305.27 FT TH E 692.45 FT TH S 78 DEG 58 MIN 52 SEC E 0.44 FT TH S 49.97 FT TH E 40.98 FT TH S 43.29 FT TH N 41.04 FT TH S 181.78 FT TH W 30 FT TH S 196.6 FT TO BEG CURVE CONCAVE TO NW HAVING A RAD OF 19.5 FT & C/A OF 59 DEG 50 MIN 20 SEC & BEING SUBTENDE BY A CHORD WHICH BEARS S 56 DEG 53 MIN 06 SEC W 19.45 FT TH SWLY & WLY ALG SD CURVE 20.37 FT TO PT OF REVERSE CURV TH WLY & SWLY & SLY 90.9 FT CONCAVE TO SE HAVING A RAD OF 60.5 FT & C/A OF 86 DEG 05 MIN 15 SEC TH S 3.26 FT TH SLY, SWLY & WLY 14.92 FT ALG CURVE CONCAVE TO NW HAVING A RAD OF 9.5 FT & C/A OF 89 DEG 59 MIN 59 SEC TH W 107.24 FT TO BEG OF CURVE CONCAVE TO NW HAVING A RAD OF 55.98 FT & C/A OF 81 DEG 57 MIN 04 SEC & BEING SUBTENDE BY CHORD WHICH BEARS S 49 DEG 34 MIN 17 SEC W 73.42 FT TH SLY, SWLY & WLY ALG SD CURVE 80.07 FT TH W 6.43 FT TH S 131.8 FT TH SLY & SELY 14.27 FT ALG SD CURVE CONCAVE TO E HAVING A RAD OF 25 FT & C/A OF 32 DEG 42 MIN 11 SEC TH N 88 DEG 06 MIN 01 SEC W 77.46 FT TO BEG OF CURVE CONCAVE TO N HAVING A RAD OF 40 FT & A C/A OF 43 DEG 31 MIN 52 SEC & BEING SUBTENDE BY CHORD WHICH BEARS S 70 DEG 08 MIN 03 SEC W 29.66 FT TH SWLY & WLY ALG SD CURVE 30.39 FT TH N 88 DEG 06 MIN 01 SEC W 238.87 FT TO BEG OF A CURVE CONCAVE TO NE HAVING A RAD OF 63 FT & A C/A OF 65 DEG 47 MIN 29 SEC & BEING SUBTENDE BY CHORD WHICH BEARS N 48 DEG 11 MIN 19 SEC W 68.43 FT TH WLY, NWLY & NLY ALG SD CURVE 72.34 FT TH N 12 DEG 28 MIN 32 SEC W 81.31 FT TO POB EXC POR DETER TAXABLE & EXC POR DETER EXEMPT PER DOR REG # 01777-001 TOG/W VAC ORD 2958 EASE OF RECORD OUT OF 981000-065-0 SEG 2011-0091 BB 10/11/10 BB DC00354165 5/2/2014 KG



PLANS PREPARED BY:

MORRISON HERSHFIELD
5100 SW MACADAM AVENUE, SUITE 500
PORTLAND, OR 97239
Tel: 503.595.9129
www.morrisonhershfield.com

PROJECT INFO:

WA6659

GOOD SAMARITAN

407 14TH AVENUE SOUTHEAST
PUYALLUP, WA 98371
PIERCE COUNTY

ISSUED FOR:

FINAL

REV.: DATE: ISSUED FOR: BY:

0	12/20/21	ISSUED FOR PERMIT	MG
A	12/10/21	PRELIMINARY 90% REVIEW	DLM

DRAWN BY: CHK.: APV.:

DLM MG SWS

CURRENT ISSUE DATE:

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JURISDICTIONAL APPROVAL:

PROPRIETARY INFORMATION:

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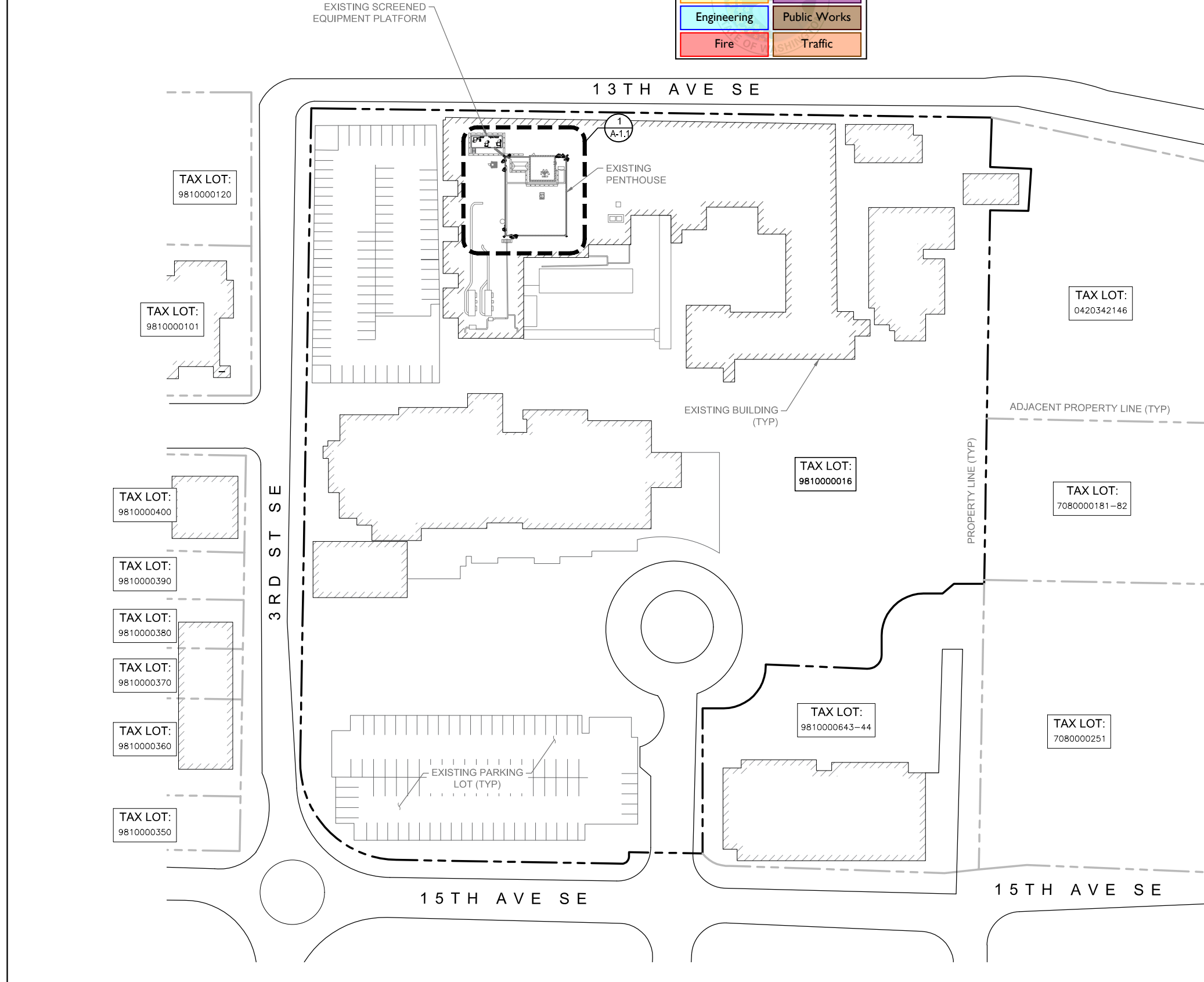
DRAWING TITLE:

SITE PLAN

DRAWING NUMBER:

A-1 0

MH JOB NUMBER: 2000479





NOTE:
SEE RF-1 FOR ANTENNA PLAN

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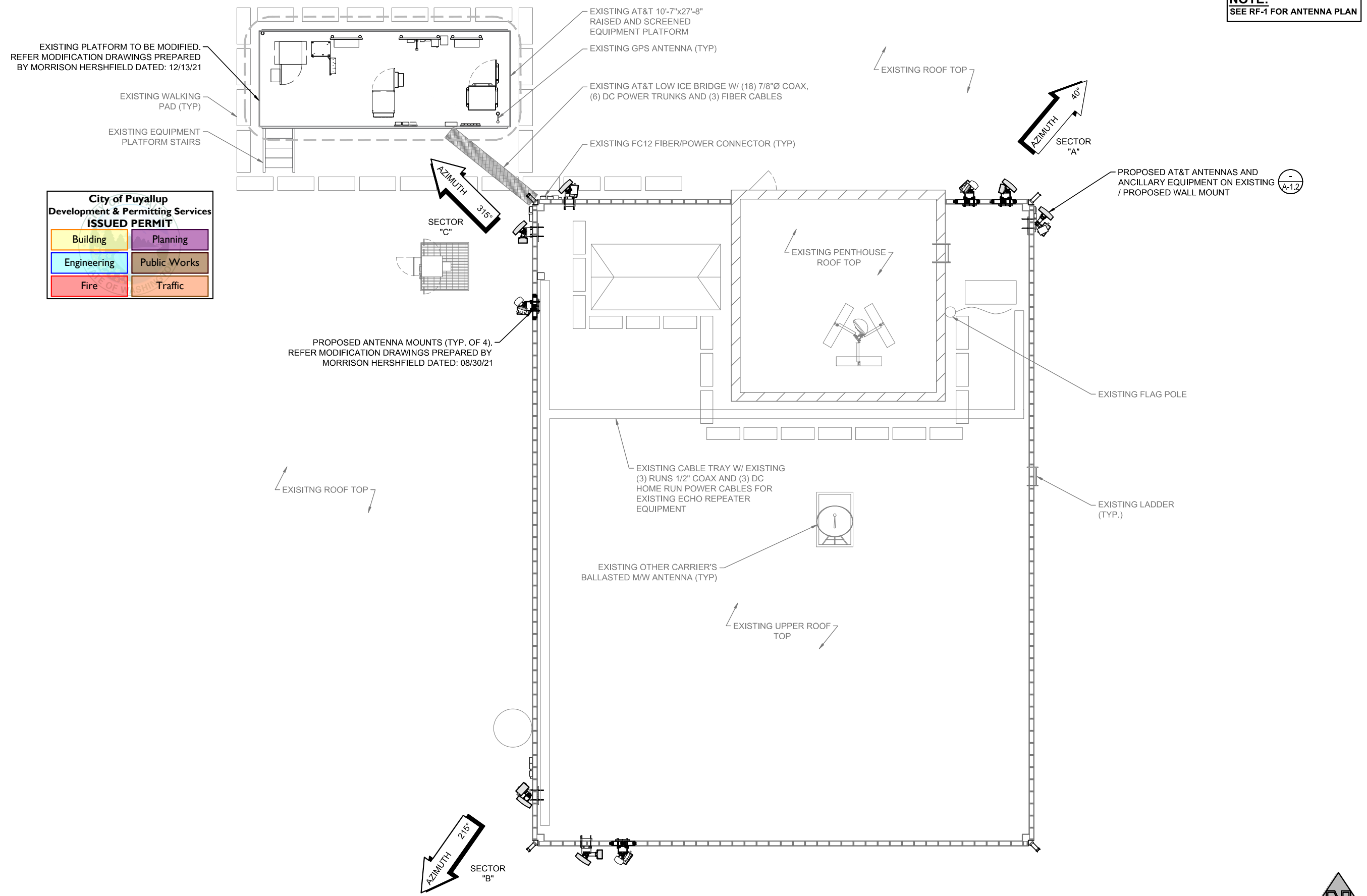


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DRAWING TITLE:
ENLARGED SITE PLAN

DRAWING NUMBER:
A-1.1 0
 MH JOB NUMBER: 2000479



City of Puyallup
 Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

NOTE:
 ONLY AT&T ANTENNA ARRAY SHOWN FOR CLARITY; SEE ELEVATIONS

ENLARGED SITE PLAN

22x34 SCALE: 3/16" = 1'-0" 11x17 SCALE: 3/32" = 1'-0"





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DRAWING TITLE:

EXISTING AND PROPOSED EQUIPMENT PLAN

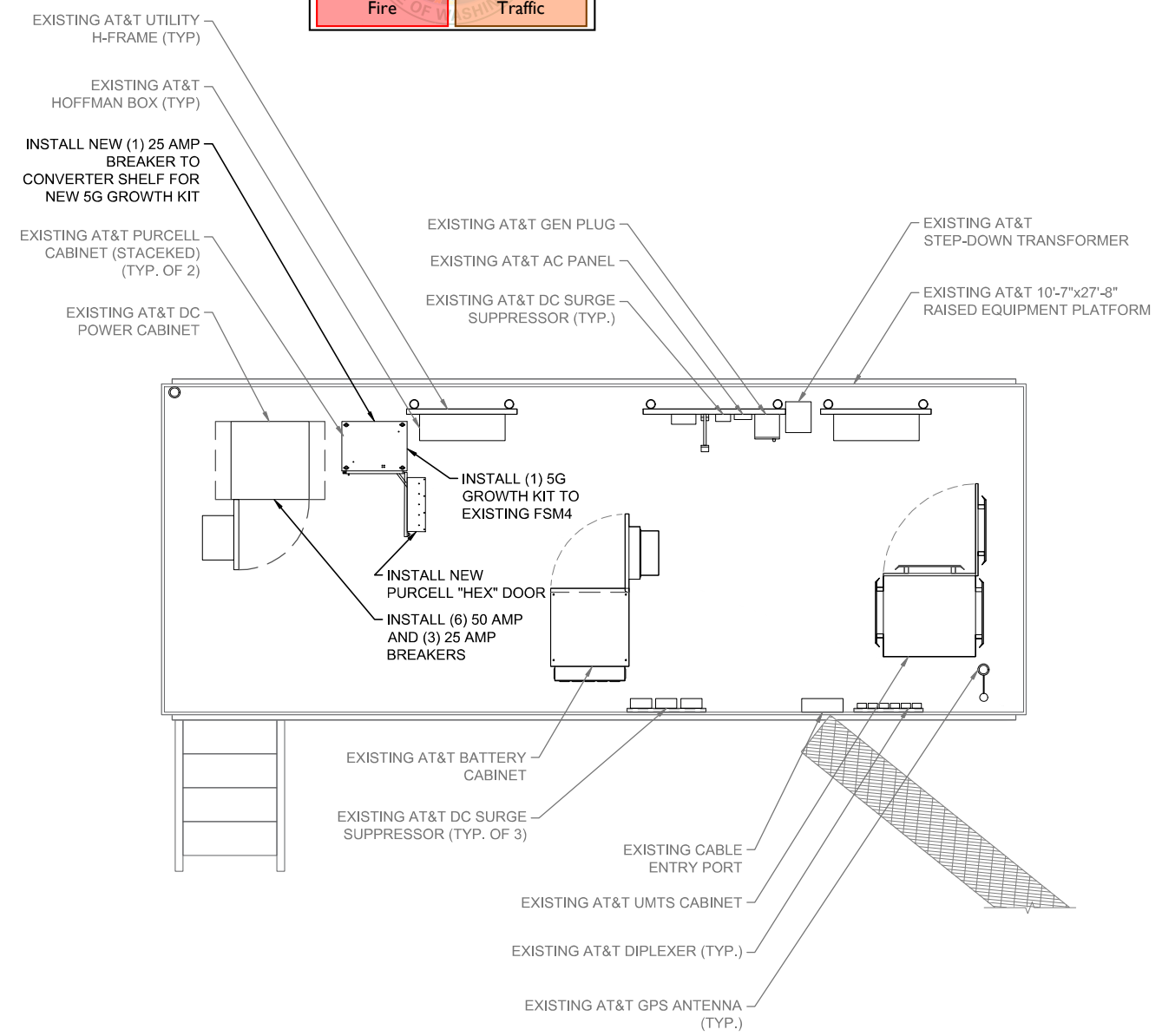
DRAWING NUMBER:

A-1.2 **0**

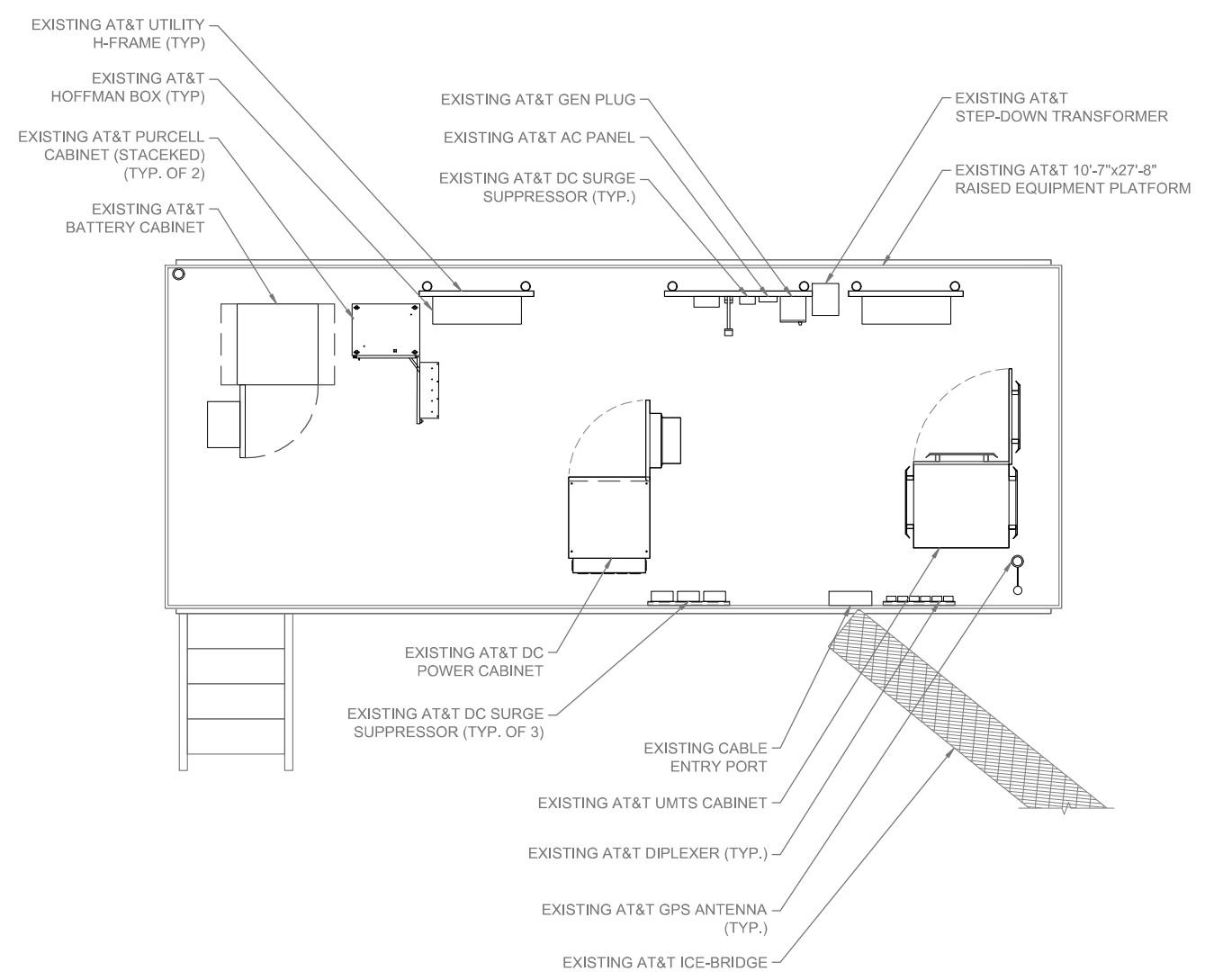
MH JOB NUMBER: 2000479

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



PROPOSED EQUIPMENT PLAN
 22x34 SCALE: 3/8" = 1'-0" 11x17 SCALE: 3/16" = 1'-0" **2**

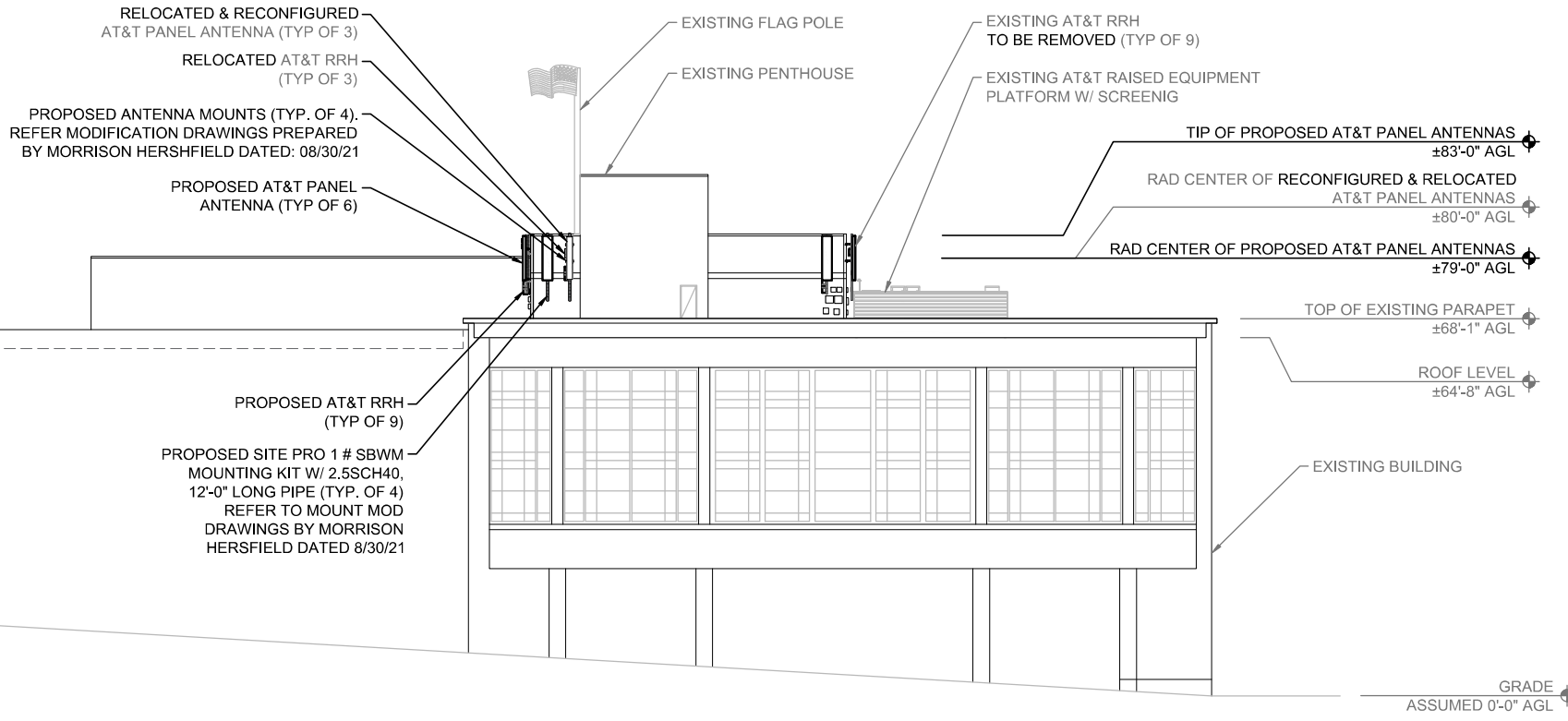


EXISTING EQUIPMENT PLAN
 22x34 SCALE: 3/8" = 1'-0" 11x17 SCALE: 3/16" = 1'-0" **1**

NOTE:
SEE RF-1 FOR ANTENNA PLAN

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

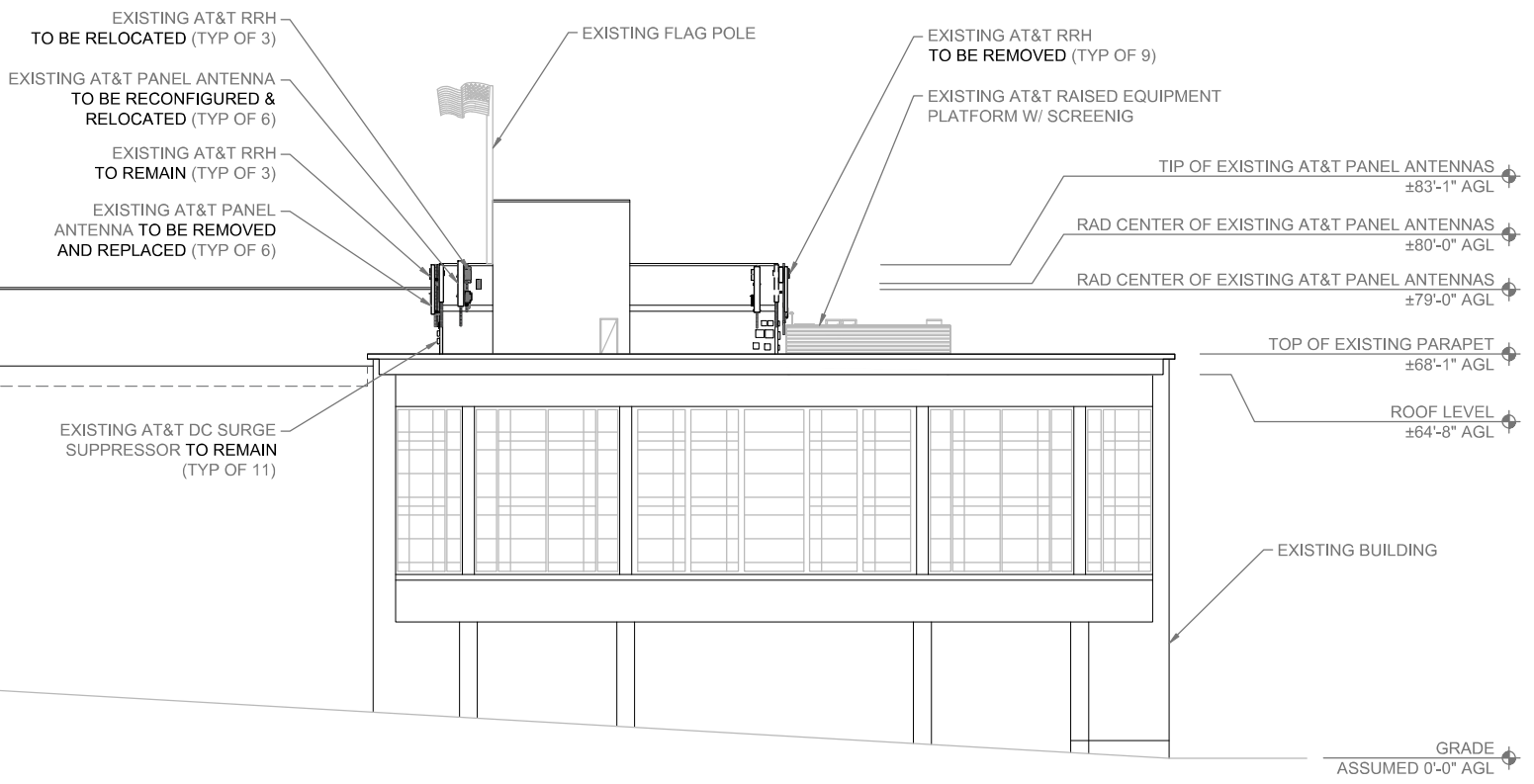
Building	Planning
Engineering	Public Works
Fire	Traffic



PROPOSED NORTH ELEVATION

22x34 SCALE: 1/16" = 1'-0" | 11x17 SCALE: 1/32" = 1'-0"

2



EXISTING NORTH ELEVATION

22x34 SCALE: 1/16" = 1'-0" | 11x17 SCALE: 1/32" = 1'-0"

1



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FINAL

REV.: DATE: ISSUED FOR: BY:

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A	12/10/21	PRELIMINARY 90% REVIEW	DLM

DRAWN BY: CHK.: APV.:

DLM	MG	SWS
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CURRENT ISSUE DATE:

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LICENSURE:

JURISDICTIONAL APPROVAL:

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DRAWING TITLE:

ELEVATION

DRAWING NUMBER:

A-2	0
MH JOB NUMBER:	2000479



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DRAWING TITLE: **DETAILS**

DRAWING NUMBER: **A-3 0**
 MH JOB NUMBER: **2000479**

City of Puyallup
 Development & Permitting Services
ISSUED PERMIT

Building Planning
 Engineering Public Works
 Fire Traffic

NOT USED
 22x34 SCALE: NTS 11x17 SCALE: NTS **9**

NOT USED
 22x34 SCALE: NTS 11x17 SCALE: NTS **8**

NOT USED
 22x34 SCALE: NTS 11x17 SCALE: NTS **6**

NOT USED
 22x34 SCALE: NTS 11x17 SCALE: NTS **5**

ITE QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	4	X-SLD-A	10 in	3.28	13.12
2	2	X-SLD-4RP	15 3/4 in	8.13	16.26
3	2	X-SLD-3	14 1/2 in	6.10	12.20
4	8	G5802	5/8" X 2" HDG HEX BOLT GR5	0.27	2.16
5	8	G58FW	5/8" HDG USS FLATWASHER	0.07	0.56
6	8	G58LW	5/8" HDG LOCKWASHER	0.03	0.21
7	8	G88NUT	5/8" HDG HEAVY 2H HEX NUT	0.13	1.04
8	8	G12FW	1/2" HDG USS FLATWASHER	0.03	0.27
9	8	G12LW	1/2" HDG LOCKWASHER	0.01	0.11
10	8	G12NUT	1/2" HDG HEAVY 2H HEX NUT	0.07	0.57
11	4	X-UB1212	1/2" X 2-1/2" X 4-1/2" X 2" GALV. U-BOLT	0.66	2.65
11	4	X-UB1300	1/2" X 3" X 5" X 2" GALV. U-BOLT	0.74	2.95
			TOTAL WT. #		51.93

TOLERANCE NOTES:
 TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:
 SAWED, SHEARED AND GAS CUT EDGES (+/- 0.005")
 DRILLED AND GAS CUT HOLES (+/- 0.001") - NO CORNING OF HOLES
 LASER CUT EDGES AND HOLES (+/- 0.010") - NO CORNING OF HOLES
 BENDS ARE +/- 1/2 DEGREE
 ALL OTHER MACHINING (+/- 0.005")
 ALL OTHER ASSEMBLY (+/- 0.002")

DESCRIPTION: SLIDER BRACKET WALL MOUNT 2-3/8" & 2-7/8" O.D. PIPE

DATE: 3/8/2011 **BY:** BMC **CHK:** RCH 3/14/2011 **APP:** SBWM

SLIDER BRACKET WALL MOUNT
 22x34 SCALE: NTS 11x17 SCALE: NTS **7**

1900/AWSFN RRH (AHFIB)

MANUFACTURER	NOKIA
MODEL	AIRSCALE DUAL RRH 4T4R B12/B14 320W AHLBA
HEIGHT	28.74"
WIDTH	15.35"
DEPTH	9.44"
WEIGHT	<88 lbs (W/ COVER & BRACKET)

NOTE: INSTALL PER MFR RECOMMENDATIONS

850 RRH (AHCA)

MANUFACTURER	NOKIA
MODEL	AIRSCALE RRH 4T4R B5 160W AHCA
HEIGHT	13.26"
WIDTH	11.61"
DEPTH	6.49"
WEIGHT	16.7 lbs

NOTE: INSTALL PER MFR RECOMMENDATIONS

1900/AWSFN RRH (AHFIB)

MANUFACTURER	NOKIA
MODEL	AIRSCALE DUAL RRH 4T4R B25/66 320W AHFIB
HEIGHT	28.74"
WIDTH	15.35"
DEPTH	9.44"
WEIGHT	<88 lbs (W/ COVER & BRACKET)

NOTE: INSTALL PER MFR RECOMMENDATIONS

MANUFACTURER	KMW
MODEL	EPBQ-654L8H8-L2
HEIGHT	96.0"
DEPTH	21.0"
WIDTH	6.3"
WEIGHT	86.0 LBS

RRH SPECIFICATIONS
 22x34 SCALE: NTS 11x17 SCALE: NTS **4**

RRH SPECIFICATION
 22x34 SCALE: NTS 11x17 SCALE: NTS **3**

RRH SPECIFICATION
 22x34 SCALE: NTS 11x17 SCALE: NTS **2**

ANTENNA SPECIFICATIONS
 22x34 SCALE: NTS 11x17 SCALE: NTS **1**



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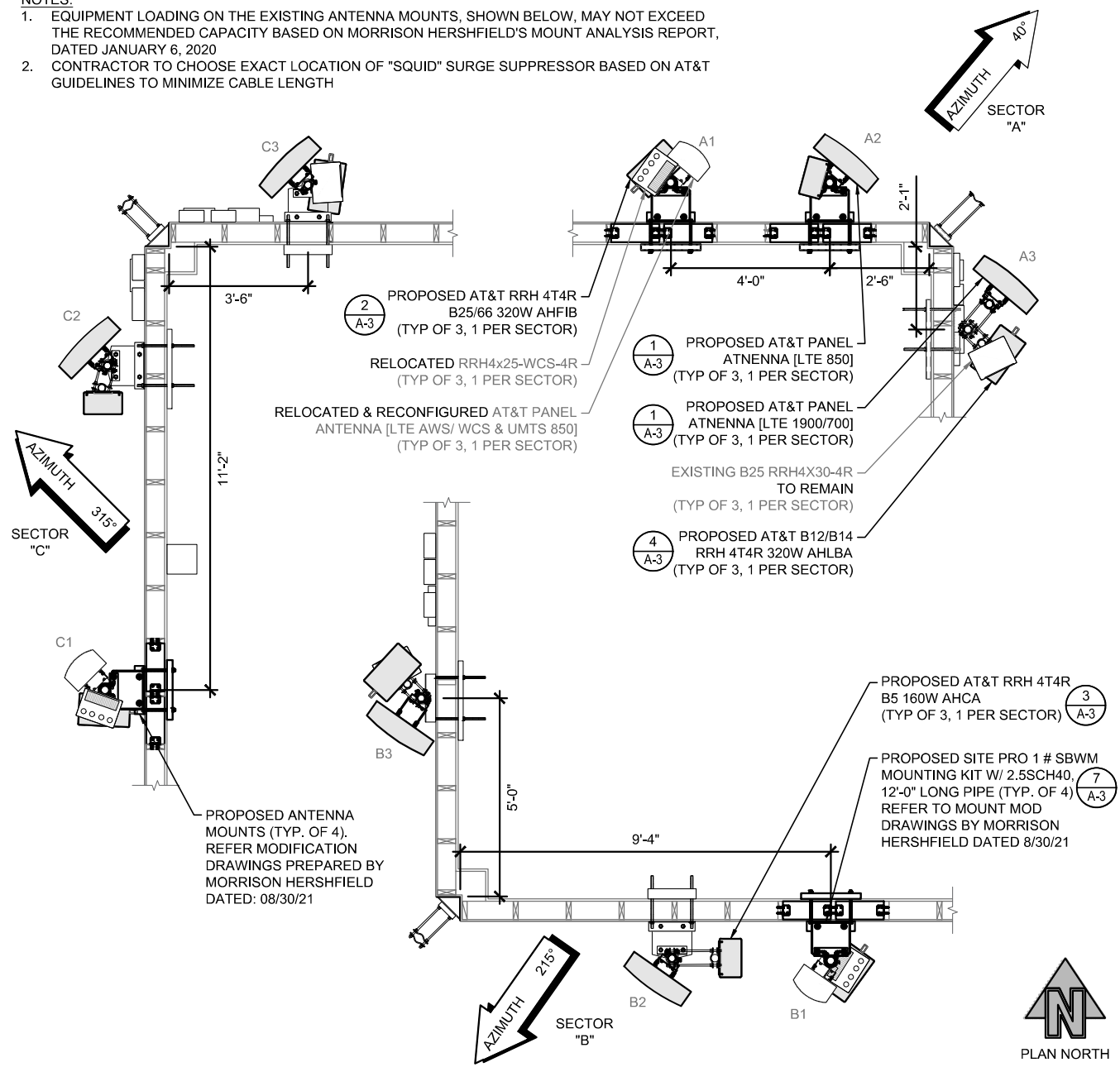
DRAWING TITLE: **ANTENNA PLAN AND SCHEDULE**

DRAWING NUMBER: **RF-1 0**
 MH JOB NUMBER: 2000479

PROPOSED ANTENNA CONFIGURATION AND SCHEDULE - PER RFDS VERSION 2.0 - DATED 10-15-2018

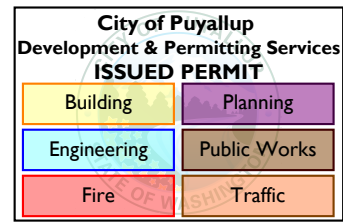
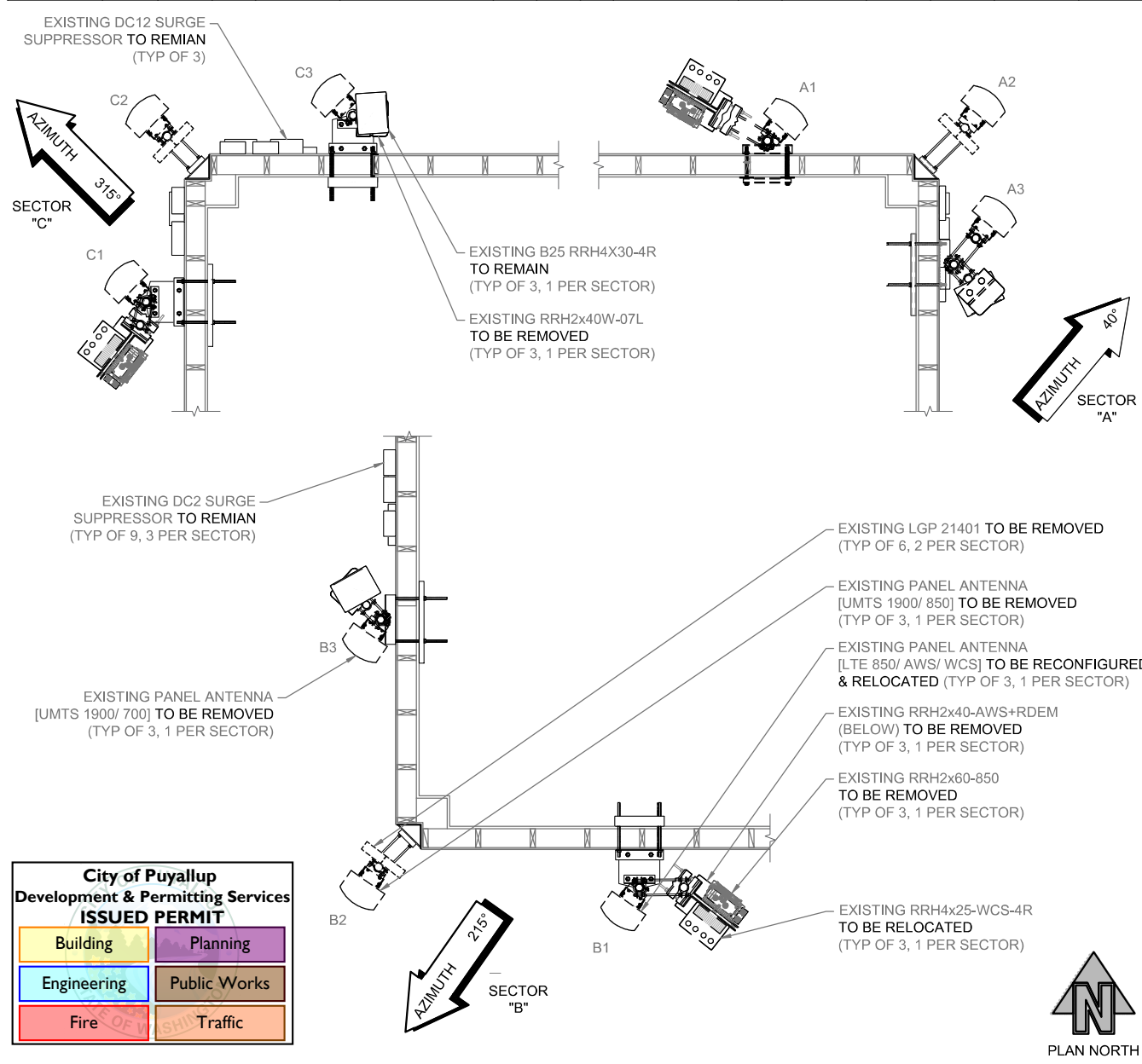
SECTOR A	AZIMUTH	RAD CENTER	QTY	VENDOR	MODEL	ELEC. TILT	MECH. TILT	RET	TMA	RRH QTY	# OF FEEDERS	FEEDER TYPE	FEEDER LENGTH	PLACEMENT	DIPLEXED
UMTS 850	40°	79°-0"	1	KMW	EPBQ-652L8H8	7°	0°	NO	-	2	2	7/8"	±106"	MOUNT	NO
LTE AWS						2°									
LTE WCS						2°									
LTE 850	40°	79°-0"	1	KMW	EPBQ-654L8H8-L2	2°	0°	NO	-	1	0	-	-	MOUNT	NO
LTE 1900						2°									
LTE 700						2°									
LTE 850	215°	80°-0"	1	KMW	EPBQ-652L8H8	5°	2°	NO	-	2	2	7/8"	±106"	MOUNT	NO
LTE AWS						0°									
LTE WCS						0°									
LTE 850	215°	80°-0"	1	KMW	EPBQ-654L8H8-L2	2°	2°	NO	-	1	0	-	-	MOUNT	NO
LTE 1900						2°									
LTE 700						2°									
LTE 850	315°	79°-0"	1	KMW	EPBQ-652L8H8	9°	2°	NO	-	2	2	7/8"	±106"	MOUNT	NO
LTE AWS						3°									
LTE WCS						5°									
LTE 850	315°	79°-0"	1	KMW	EPBQ-654L8H8-L2	2°	2°	NO	-	1	0	-	-	MOUNT	NO
LTE 1900						2°									
LTE 700						2°									

- NOTES:
 1. EQUIPMENT LOADING ON THE EXISTING ANTENNA MOUNTS, SHOWN BELOW, MAY NOT EXCEED THE RECOMMENDED CAPACITY BASED ON MORRISON HERSHFIELD'S MOUNT ANALYSIS REPORT, DATED JANUARY 6, 2020
 2. CONTRACTOR TO CHOOSE EXACT LOCATION OF "SQUID" SURGE SUPPRESSOR BASED ON AT&T GUIDELINES TO MINIMIZE CABLE LENGTH



EXISTING ANTENNA CONFIGURATION AND SCHEDULE - PER RFDS VERSION 4.0 - DATED 10-15-2018

SECTOR A	AZIMUTH	RAD CENTER	QTY	VENDOR	MODEL	ELEC. TILT	MECH. TILT	RET	TMA	RRH QTY	# OF FEEDERS	FEEDER TYPE	FEEDER LENGTH	PLACEMENT	DIPLEXED
LTE 850	40°	79°-0"	1	KMW	EPBQ-652L8H8	2°	0°	NO	-	3	0	-	-	MOUNT	NO
LTE AWS						2°									
LTE WCS						2°									
UMTS 1900	40°	80°-0"	1	KATHREIN	742-265	1°	3°	NO	(2) LGP21401	-	2	7/8"	±106"	MOUNT	NO
UMTS 850						6°									
LTE 1900						2°									
LTE 700	4°	0°	NO	-	2	0	-	-	MOUNT	NO					
LTE 850	215°	80°-0"	1	KMW	EPBQ-652L8H8	2°	2°	NO	-	3	0	-	-	MOUNT	NO
LTE AWS						0°									
LTE WCS						0°									
UMTS 1900	215°	80°-0"	1	KATHREIN	742-265	2°	0°	NO	(2) LGP21401	-	2	7/8"	±106"	MOUNT	NO
UMTS 850						5°									
LTE 1900						1°									
LTE 700	2°	0°	NO	-	2	0	-	-	MOUNT	NO					
LTE 850	315°	79°-0"	1	KMW	EPBQ-652L8H8	2°	2°	NO	-	3	0	-	-	MOUNT	NO
LTE AWS						3°									
LTE WCS						5°									
UMTS 1900	315°	80°-0"	1	KATHREIN	742-265	4°	5°	NO	(2) LGP21401	-	2	7/8"	±106"	MOUNT	NO
UMTS 850						7°									
LTE 1900						2°									
LTE 700	4°	0°	NO	-	2	0	-	-	MOUNT	NO					



PROPOSED ANTENNA PLAN 2
 22x34 SCALE: 1/2" = 1'-0" | 11x17 SCALE: 1/4" = 1'-0"

EXISTING ANTENNA PLAN 1
 22x34 SCALE: 1/2" = 1'-0" | 11x17 SCALE: 1/4" = 1'-0"



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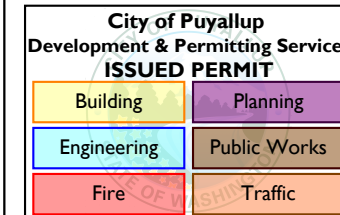
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DRAWING TITLE:
SCHEMATIC GROUNDING PLAN

DRAWING NUMBER:
E-1 0
 MH JOB NUMBER: 2000479

GROUNDING KEYED NOTES

- ① EXISTING #2 STRANDED GREEN INSULATED COPPER GROUND LEAD FROM GROUND BAR TIED INTO THE EXISTING GROUNDING SYSTEM
- ② EXISTING ANTENNA GROUND BAR; VERIFY LOCATION
- ③ #6 AWG STRANDED GREEN JACKET BONDING TOWER-MOUNTED EQUIPMENT TO ANTENNA GROUND BAR (TYP)
- ④ EXTEND GROUNDING CONDUCTOR TO ANTENNA LOCATIONS AND BOND TO ANTENNA PIPE MOUNT, AS NEEDED. USE AN EXOTHERMIC WELD AT ANTENNA PIPE MOUNT. SUPPORT CONDUCTOR AS REQUIRED EVERY TWO (2) FEET MINIMUM.

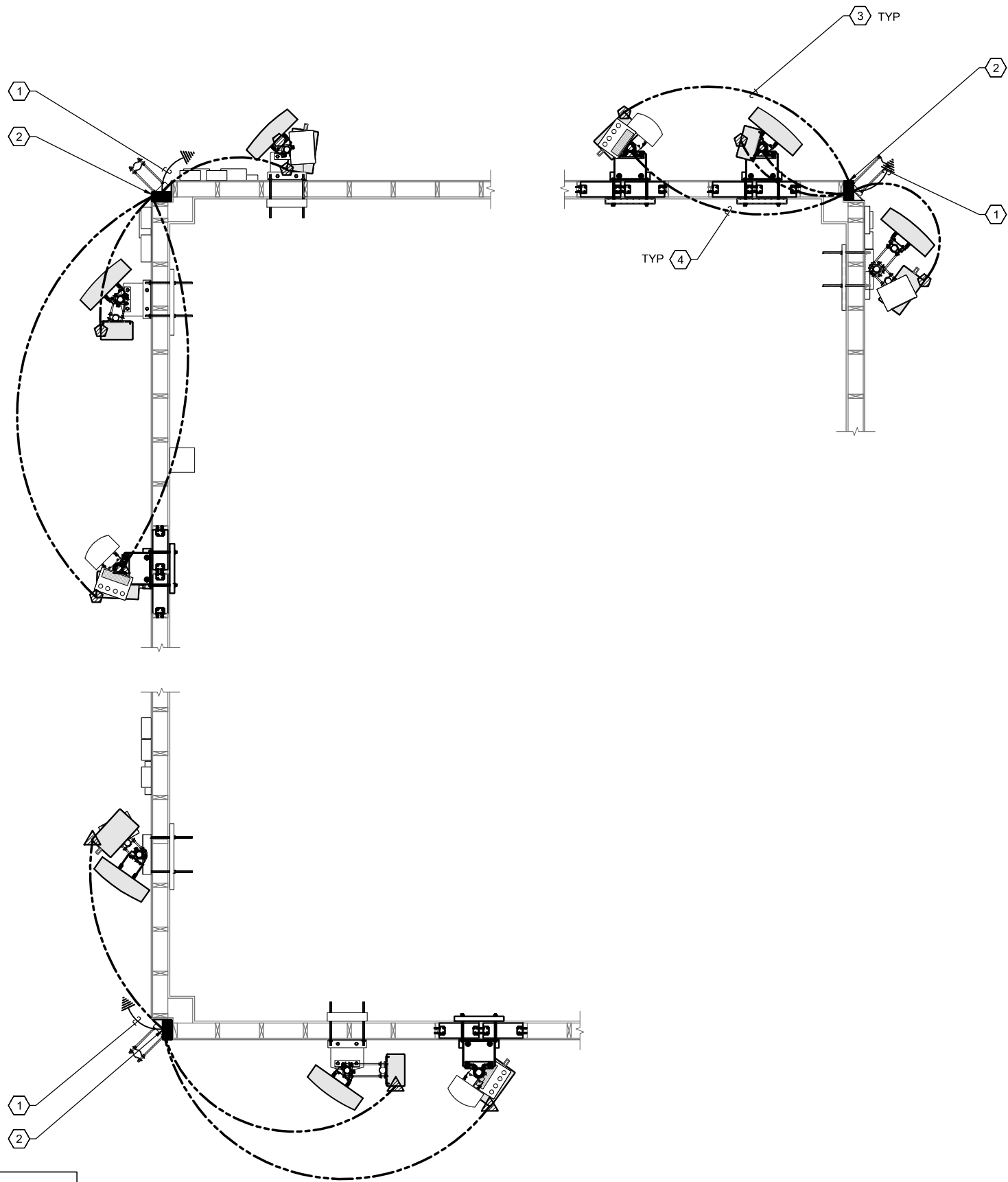


GROUNDING NOTES

1. ALL DETAILS ARE SHOWN IN GENERAL TERMS. ACTUAL INSTALLATION AND CONSTRUCTION MAY VARY DUE TO SITE SPECIFIC CONDITIONS.
2. GROUND ALL ANTENNA BASES, FRAMES, CABLE RUNS, AND OTHER METALLIC COMPONENTS USING GROUND WIRES AND CONNECT TO SURFACE MOUNTED BUS BARS. FOLLOW ANTENNA AND BTS MANUFACTURER'S PRACTICES FOR GROUNDING REQUIREMENTS. GROUND COAX SHIELD AT BOTH ENDS AND EXIT FROM TOWER OR POLE USING MFR'S PRACTICES.
3. ALL GROUND CONNECTIONS SHALL BE CADWELDED. ALL WIRES SHALL BE COPPER THHN/THWN. ALL GROUND WIRE SHALL BE GREEN INSULATED WIRE ABOVE GROUND.
4. CONTRACTOR TO VERIFY AND TEST GROUND TO SOURCE. GROUNDING AND OTHER OPERATIONAL TESTING WILL BE WITNESSED BY AT&T WIRELESS, LLC. REPRESENTATIVE.
5. REFER TO DIVISION 16 GENERAL ELECTRIC; GENERAL ELECTRICAL PROVISION AND COMPLY WITH ALL REQUIREMENTS OF GROUNDING STANDARDS.
6. ELECTRICAL CONTRACTOR TO PROVIDE DETAILED DESIGN OF GROUNDING SYSTEM, AND RECEIVE APPROVAL OF DESIGN BY AUTHORIZED AT&T WIRELESS, LLC. REPRESENTATIVE, PRIOR TO INSTALLATION OF GROUNDING SYSTEM. PHOTO DOCUMENT ALL CADWELDS AND GROUND RING
7. NOTIFY CONSTRUCTION MANAGER IF THERE ARE ANY DIFFICULTIES INSTALLING GROUNDING SYSTEM DUE TO SITE SOIL CONDITIONS.

LEGEND

SYMBOL	DESCRIPTION
	GROUND INSPECTION WELL
	COPPER GROUND ROD
	COMPRESSION LUG
	CADWELD CONNECTION
	SIDE SPLICE CADWELD
	FIELD VERIFY & TIE INTO EXISTING GROUNDING SYSTEM



NOTE:
 ALL GROUNDING WIRE RUNS AND CONNECTIONS, BOTH ABOVE AND BELOW GRADE, SHALL BE LOCATED INSIDE OF THE LEASE AREA LINE.



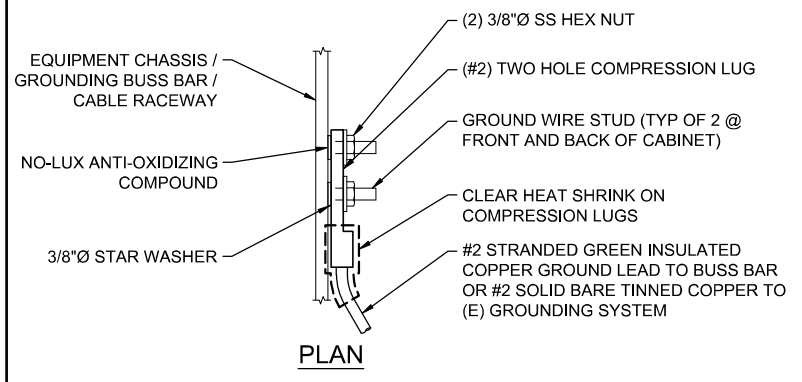
SCHEMATIC GROUNDING PLAN

22x34 SCALE: NTS

11x17 SCALE: NTS

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



HYLUG CONNECTOR INSTALLATION INSTRUCTIONS:

1. SELECT PROPER HYLUG FOR THE WIRE SIZE USED.
2. STRIP CABLE OF INSULATION TO A LENGTH EQUAL TO THE BARREL OF THE CONNECTOR.
3. INSERT CABLE FULLY INTO CONNECTOR.
4. APPLY THE PROPER NUMBER OF CRIMPS AS SHOWN BY NUMBER OF COLORED BANDS.
5. CRIMP FROM TONGUE END OF CONNECTOR TOWARD CABLES FOR TERMINALS AND CENTER SPLICE TOWARD CABLE FOR BUTT SPLICES REQUIRING MORE THAN ONE CRIMP PER END.

HYLUG TYPE YGA CONNECTOR IS PRE-FILLED WITH PENETROX COMPOUND AND STRIP SEALED.

BURNDY HYDRAULIC DIE SET #U1CRT-1/U11T.

NOTE:
FOR GROUNDING CONNECTIONS TO PAINTED CABINETS CHASSIS, GRIND OFF ALL ENAMEL COATINGS TO BARE METAL AT LUG CONTACT AREA PRIOR TO MAKING BOLTED LUG CONNECTION. APPLY NO-LUX TO ALL EXPOSED BARE METAL.



PLANS PREPARED BY: _____

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GOOD SAMARITAN

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PUYALLUP, WA 98371
PIERCE COUNTY

NOT USED
22x34 SCALE: NTS | 11x17 SCALE: NTS

7 NOT USED
22x34 SCALE: NTS | 11x17 SCALE: NTS

6 **GROUND LUG CONNECTION** 5
22x34 SCALE: NTS | 11x17 SCALE: NTS

ISSUED FOR: _____

FINAL

REV.: DATE: ISSUED FOR: BY:

0	12/20/21	ISSUED FOR PERMIT	MG
A	12/10/21	PRELIMINARY 90% REVIEW	DLM

DRAWN BY: _____ CHK.: _____ APV.: _____

DLM MG SWS

CURRENT ISSUE DATE: _____

-



JURISDICTIONAL APPROVAL: _____

PROPRIETARY INFORMATION: _____

DO NOT SCALE DRAWINGS. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND ADVISE CONSULTANTS OF ANY ERRORS AND OMISSIONS. ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED BY THE LATEST REVISION. THE INFORMATION CONTAINED IN THIS SET OF DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN WHICH IS RELATED TO NAMED CLIENT IS STRICTLY PROHIBITED.

DRAWING TITLE: _____

GROUNDING DETAILS

DRAWING NUMBER: _____

E-1.1 0

MH JOB NUMBER: _____ 2000479

NOT USED
22x34 SCALE: NTS | 11x17 SCALE: NTS

4

NOT USED
22x34 SCALE: NTS | 11x17 SCALE: NTS

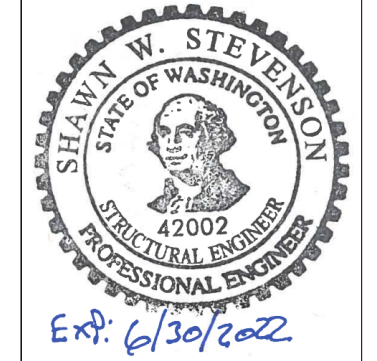
3 NOT USED
22x34 SCALE: NTS | 11x17 SCALE: NTS

2 NOT USED
22x34 SCALE: NTS | 11x17 SCALE: NTS

1

SMARTLINK, LLC, USA
 11410 NORTHEAST 122ND WAY
 KIRKLAND, WA 98034

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City of Puyallup
 Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



GOOD SAMARITAN
SITE ID: 75153-A

407 14TH AVENUE SOUTHEAST
PUYALLUP, WA 98371

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0	08/30/21	ISSUED FOR CONSTRUCTION
No.	Date	Action

MORRISON HERSHFIELD
 1455 Lincoln Parkway, Suite 500
 Atlanta, GA 30346
 Tel: 770-379-8500 Fax: 770-379-8501
 www.morrisonhershfield.com

SITE LOCATION

DIRECTIONS

FROM SEATTLE-TACOMA INTERNATIONAL AIRPORT:
 GET ON WA-518 E IN TUKWILA FROM AIRPORT EXPRESSWAY. DRIVE FROM WA-167 S TO PUYALLUP. TAKE THE EXIT TOWARD MERIDIAN ST S FROM WA-161 S/WA-512 W. CONTINUE ON S MERIDIAN. TAKE 3RD ST SE TO 13TH AVE SE. TURN LEFT ONTO S MERIDIAN. TURN LEFT ONTO 15TH AVE SE. AT THE ROUNDABOUT, TAKE THE 3RD EXIT ONTO 3RD ST SE. 3RD ST SE TURNS SLIGHTLY RIGHT AND BECOMES 13TH AVE SE. DESTINATION WILL BE ON THE RIGHT.

PROJECT CONTACTS

MHC PROJECT ENGINEER
 Shawn W. Stevenson Senior Engineer
 (503) 924-2522
 SStevenson@morrisonhershfield.com

Lance Cooke Project Manager
 (503) 595-9128
 LCooke@morrisonhershfield.com

CLIENT CONTACT
 Michael Chong Project Manager
 (916) 527-4157
 Michael.Chong@smartlinkgroup.com

PROJECT DATA

TOWER HEIGHT: 68.08' BUILDING
 ANALYSIS REPORT: MH PROJECT NO. SML-052R4 / 2000479
 DATED: 08/30/2021

CODE COMPLIANCE

THIS MODIFICATION DESIGN HAS BEEN PERFORMED IN ACCORDANCE WITH THE FOLLOWING CRITERIA:

DESIGN STANDARD:
 2018 INTERNATIONAL BUILDING CODE
 ASCE 7-16, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES
 AISC 325-17, MANUAL OF STEEL CONSTRUCTION
 ACI 318-19, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE

WIND DESIGN:
 WIND SPEED: 108 MPH (ULTIMATE 3-SEC GUST)
 EXPOSURE CATEGORY: C
 RISK CATEGORY: IV
 TOPO. FACTOR, K_{zt} : 1.0

EARTHQUAKE DESIGN:
 SEISMIC DESIGN CATEGORY: D
 RISK CATEGORY: IV
 SITE CLASS: D
 S_s : 1.266g
 S_r : 0.436g

LIST OF DRAWINGS

NO.	TITLE	REVISION
T1	COVER SHEET	0
S1	PROPOSED LAYOUT & MODIFICATION SCHEDULE	0
S2	MOUNT PLANS	0
S3	MOUNT PLANS	0
S4	SECTION	0
S5	SBWM DETAIL	0
N1	REINFORCING NOTES	0

Client:

Project:
GOOD SAMARITAN
SITE ID: 75153-A
407 14TH AVENUE SOUTHEAST
PUYALLUP, WA 98371

Drawing Title:
COVER SHEET

Project No.
 2000479: SML-052R4

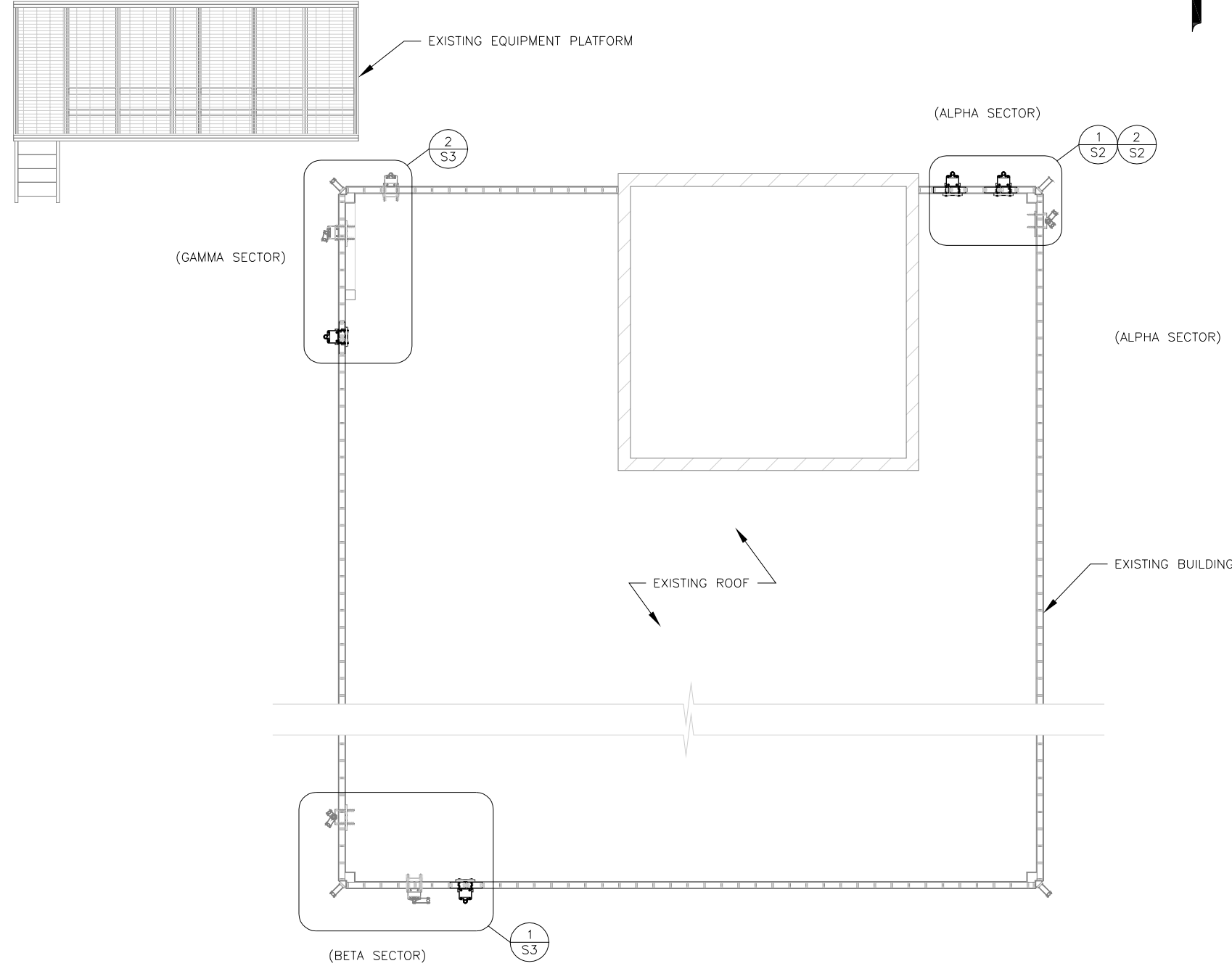
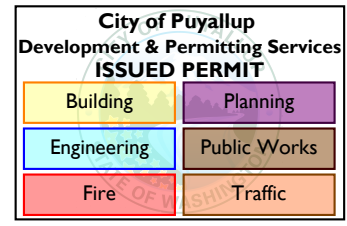
Designer: ML	Date: 08/30/21
Drawn By: MG	Checked By: MM
PM Review: GLC	Client Approval

Issue No. 0	Drawing No. T1
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C:\Users\j\path\OneDrive - MORRISON HERSHFIELD\Desktop\New Folder\Jobs\2021\Modification\SML\SML-052R4\Modifications\08-24-2021\10029561 WA6659 0000 SAMARITAN-SML-052R4.dwg plotted by: mgali 30 Aug 2021 - 5:50pm

MODIFICATION SCHEDULE

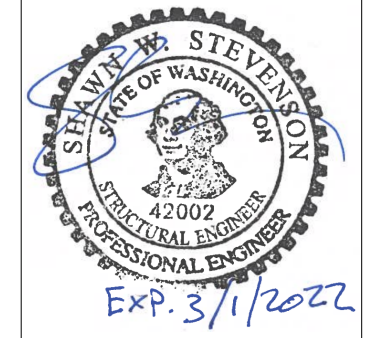
- SCOPE OF WORK INCLUDES REMOVING MOUNT IN ALPHA SECTOR. REFER DETAIL 1/S2.
- INSTALL (4) NEW WALL MOUNT W/ (4) NEW 12'-0" LONG, 2.5SCH40 PIPE MOUNT (2) IN ALPHA SECTOR AND (1) IN BETA & GAMMA SECTOR. WALL MOUNT SHOULD BE SITE PRO 1 MODEL # SBWM. REFER SHEET S5 FOR SPECIFICATIONS.
- USE 5/8"Ø, A307 BOLT TO INSTALL NEW WALL MOUNT.
- USE 1/2"Ø U-BOLT TO CONNECT PIPE MOUNT TO WALL MOUNT.
- INSTALL NEW 6x WOOD BLOCKING TO SUPPORT WALL MOUNT CONNECTIONS.
- THE CONTRACTOR SHALL VISIT THE SITE; ANY PROBLEMS WITH ACCESS, INTERFERENCE, ETC. SHALL BE RESOLVED PRIOR TO BIDDING THE JOB.
- CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS.
- FIELD VERIFY ALL BOLT SIZES PRIOR TO CONSTRUCTION.
- WORK TO BE PERFORMED ONLY DURING CALM DAYS (WINDS LESS THAN 15 MPH).
- CONTRACTOR TO MEASURE ALL DIMENSIONS BEFORE CREATING SHOP DRAWINGS. NOTIFY THE EOR IF THE FIELD DIMENSIONS CONFLICT WITH THE DESIGN.



CONTRACTOR SUBMITTALS

- THE CONTRACTOR SHALL SUBMIT THE FOLLOWING SUBMITTALS TO THE ENGINEER FOR REVIEW:
- BILL OF MATERIAL, MATERIAL TEST RESULTS & SHOP DRAWINGS.

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0	08/30/21	ISSUED FOR CONSTRUCTION
No.	Date	Action

MORRISON HERSHFIELD
 1455 Lincoln Parkway, Suite 500
 Atlanta, GA 30346
 Tel: 770-379-8500 Fax: 770-379-8501
 www.morrisonhershfield.com

Client:

Project:
 GOOD SAMARITAN
 SITE ID: 75153-A
 407 14TH AVENUE SOUTHEAST
 PUYALLUP, WA 98371

Drawing Title:
PROPOSED LAYOUT & MODIFICATION SCHEDULE

Project No. 2000479: SML-052R4	Designer: ML	Date: 08/30/21
	Drawn By: MG	Checked By: MM
	PM Review: GLC	Client Approval

Issue No. 0	Drawing No. S1
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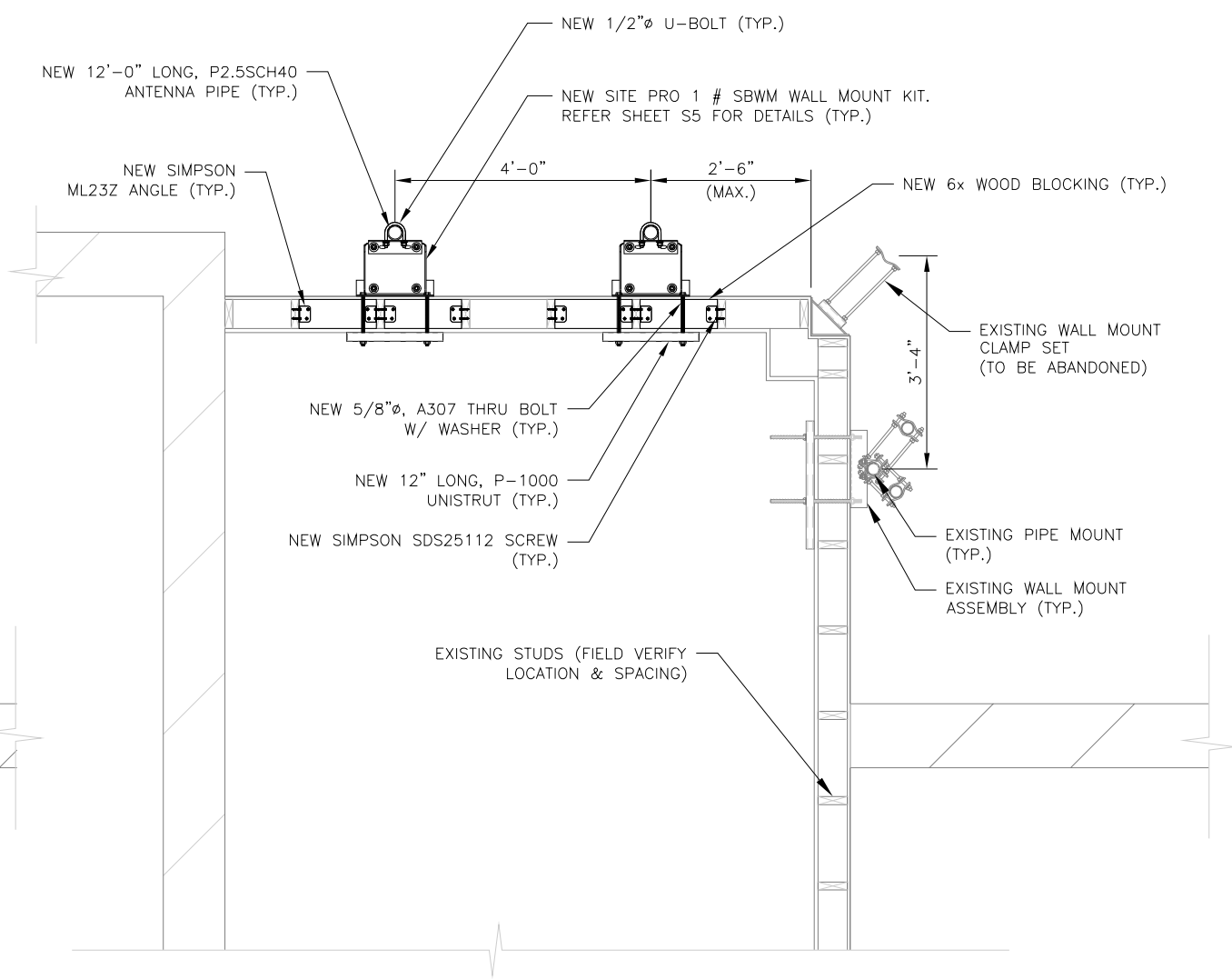
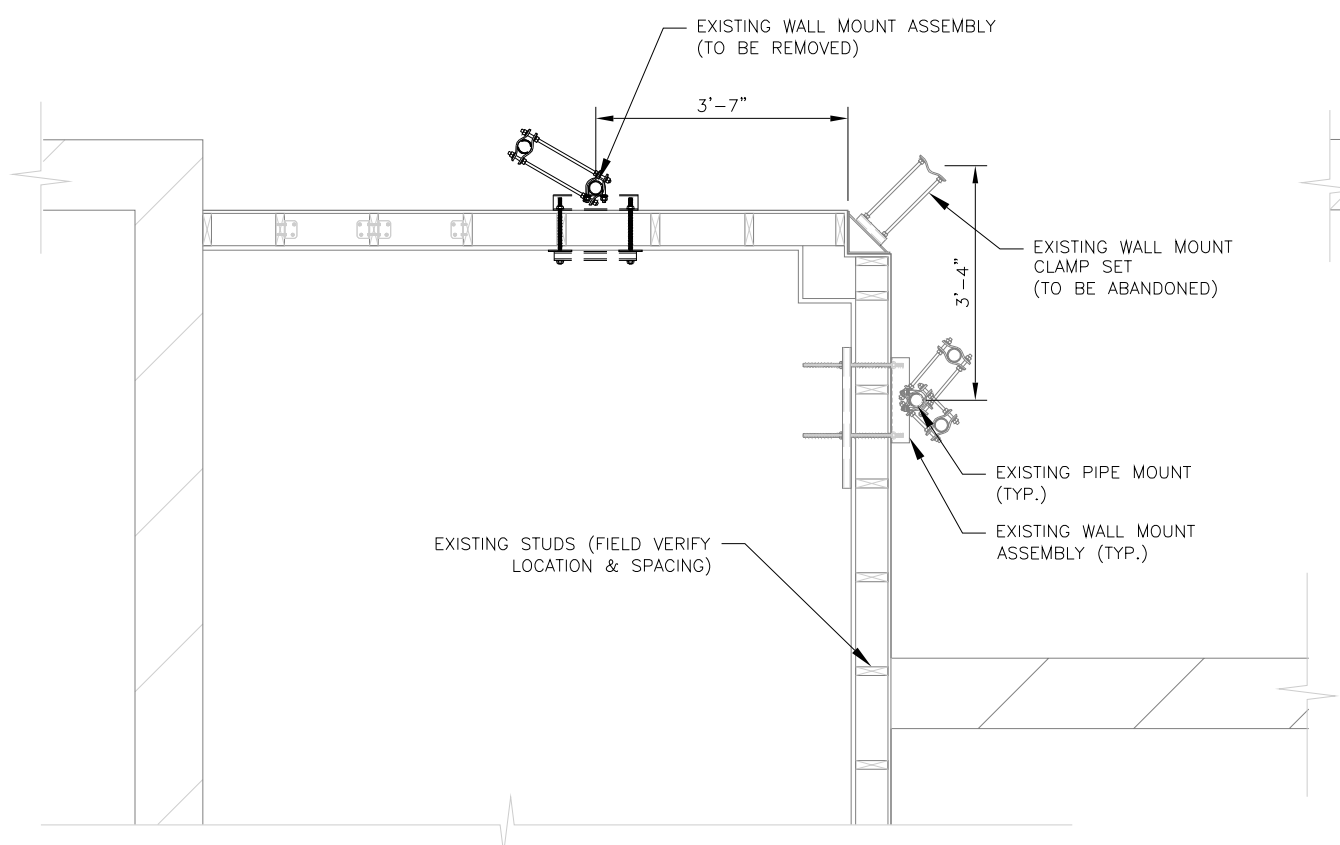
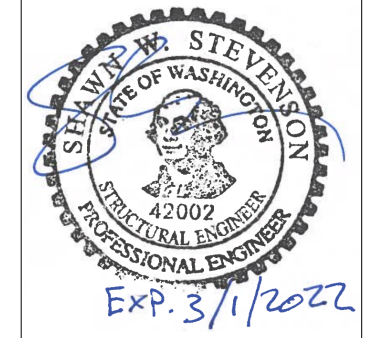
1 S1 PROPOSED EQUIPMENT LAYOUT
 SCALE: NTS

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NOTE:
 1. CONTRACTOR TO FIELD VERIFY ALL MEMBER LENGTHS AND SIZES PRIOR TO INSTALLING THE REINFORCEMENT.
 2. FIELD VERIFY EXISTING WALL MATERIAL.
 3. NOTIFY ANY FIT ISSUES PRIOR INSTALLING THE REINFORCEMENT.
 4. ANY DISCREPANCIES OBSERVED DURING THE SITE VISIT NEED TO BE NOTED TO THE EOR FOR A WORKAROUND DESIGN.

City of Puyallup
 Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



1
 S2
 EXISTING PLAN VIEW (ALPHA SECTOR)
 SCALE: 3/8" = 1'-0"

2
 S2
 PROPOSED PLAN VIEW (ALPHA SECTOR)
 SCALE: 1/2" = 1'-0"

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0	08/30/21	ISSUED FOR CONSTRUCTION
No.	Date	Action

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Client:

Project:
 GOOD SAMARITAN
 SITE ID: 75153-A
 407 14TH AVENUE SOUTHEAST
 PUYALLUP, WA 98371

Drawing Title:
MOUNT PLANS

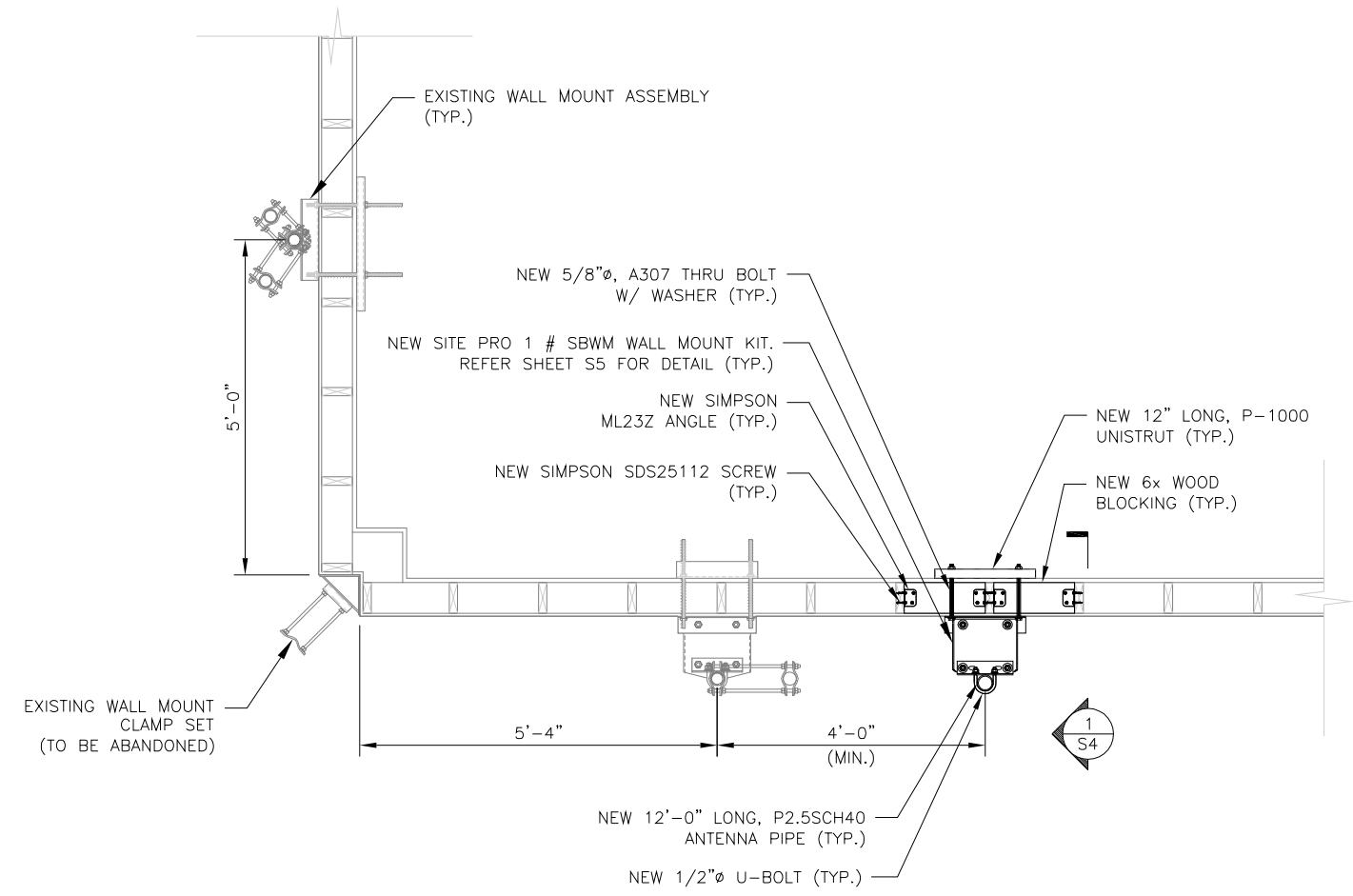
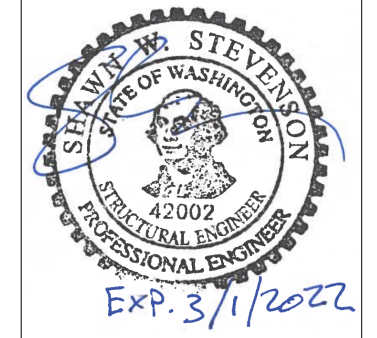
Project No. 2000479: SML-052R4	
Designer: ML	Date: 08/30/21
Drawn By: MG	Checked By: MM
PM Review: GLC	Client Approval
Issue No. 0	Drawing No. S2

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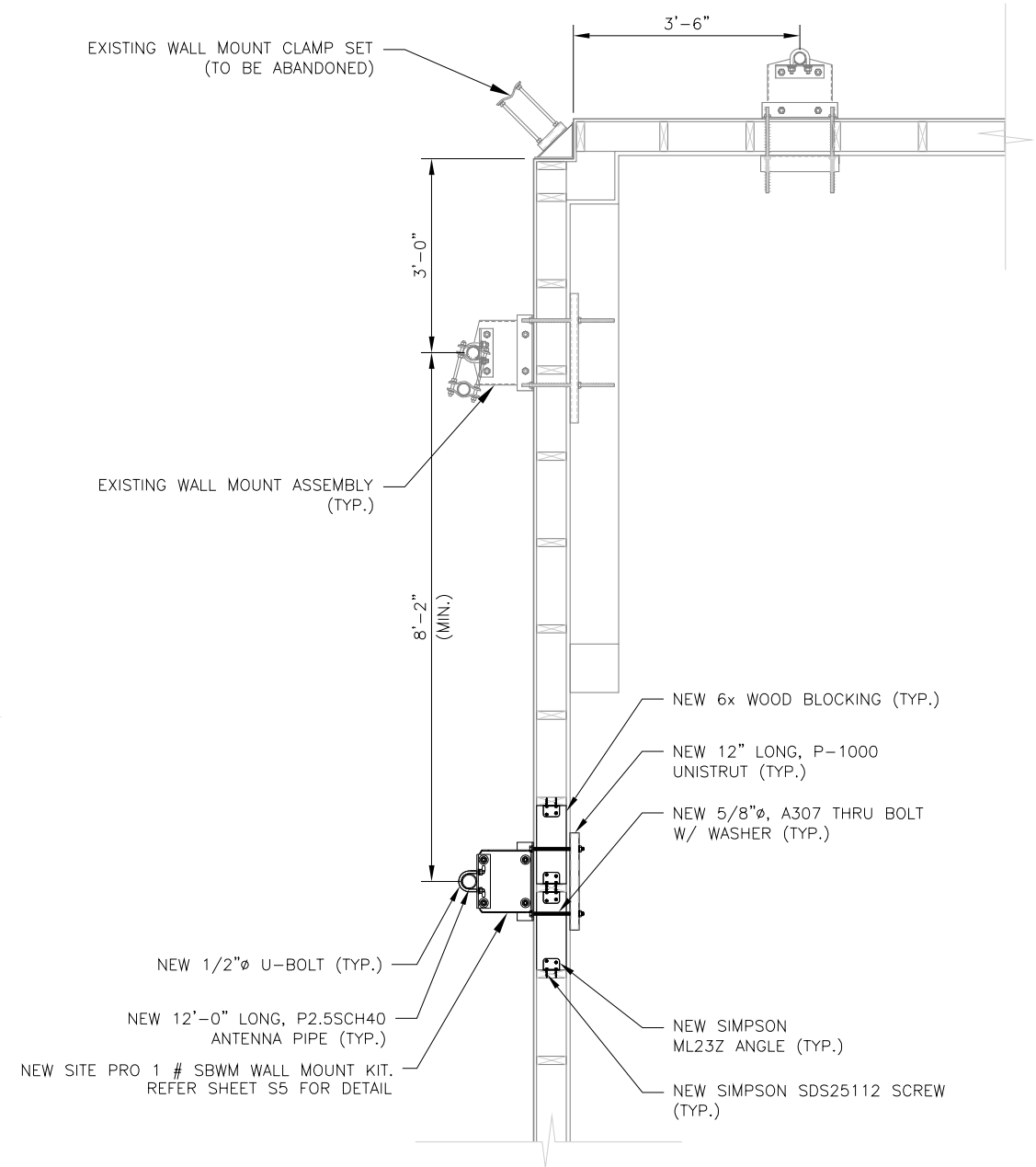
- NOTE:
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City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



1
S3 PROPOSED PLAN VIEW (BETA SECTOR)
SCALE: 3/8"=1'-0"



2
S3 PROPOSED PLAN VIEW (GAMMA SECTOR)
SCALE: 3/8"=1'-0"

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No.	Date	Action

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Atlanta, GA 30346
Tel: 770-379-8500 Fax: 770-379-8501
www.morrisonhershfield.com

Client:

Project:
GOOD SAMARITAN
SITE ID: 75153-A
407 14TH AVENUE SOUTHEAST
PUYALLUP, WA 98371

Drawing Title:
MOUNT PLANS

Project No. 2000479: SML-052R4	
Designer: ML	Date: 08/30/21
Drawn By: MG	Checked By: MM
PM Review: GLC	Client Approval
Issue No. 0	Drawing No. S3

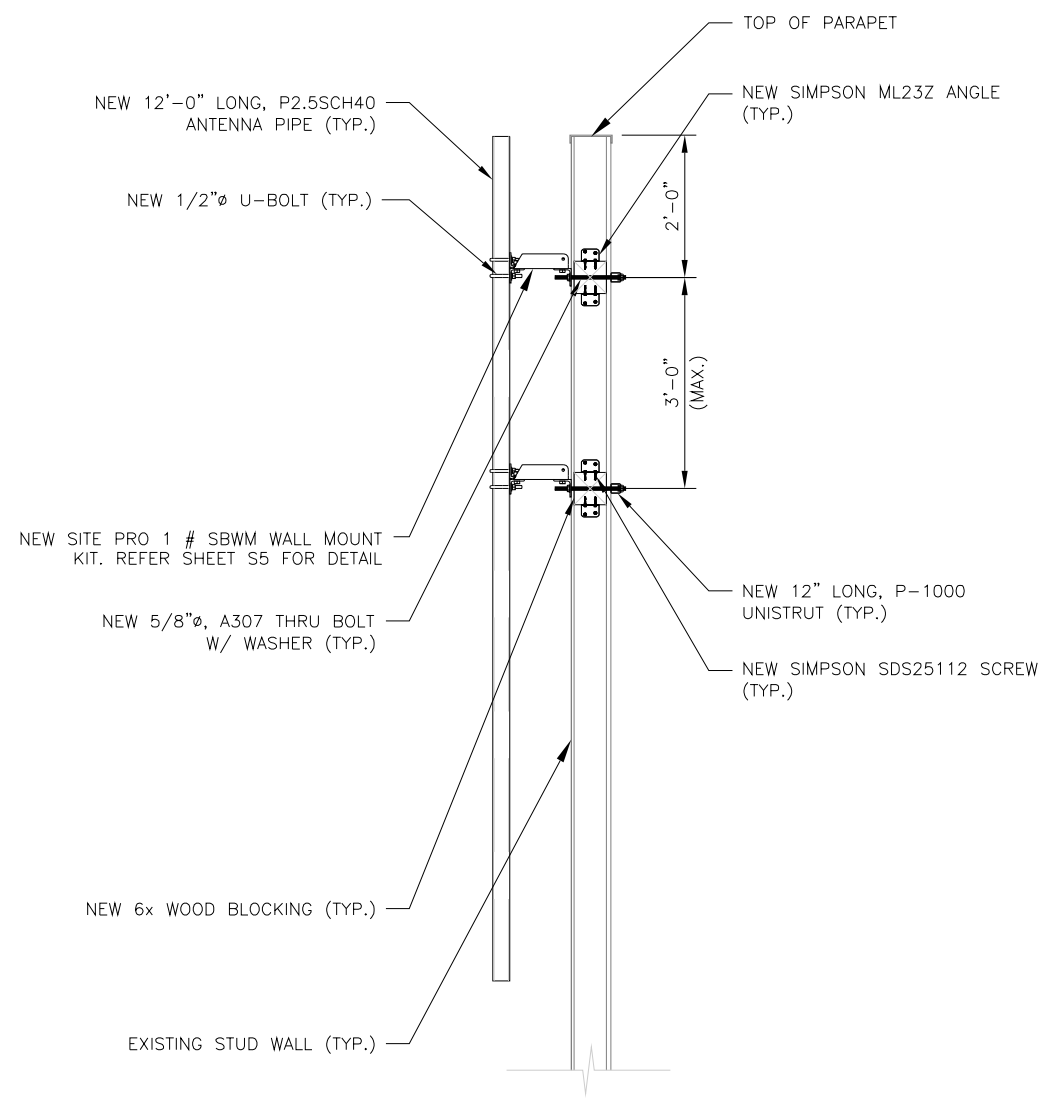
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City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



1 TYPICAL SECTION
 S4
 SCALE: 3/8" = 1'-0"

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0	08/30/21	ISSUED FOR CONSTRUCTION
No.	Date	Action

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 Atlanta, GA 30346
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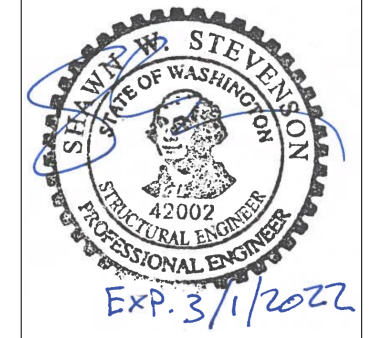
Client:

Project:
 GOOD SAMARITAN
 SITE ID: 75153-A
 407 14TH AVENUE SOUTHEAST
 PUYALLUP, WA 98371

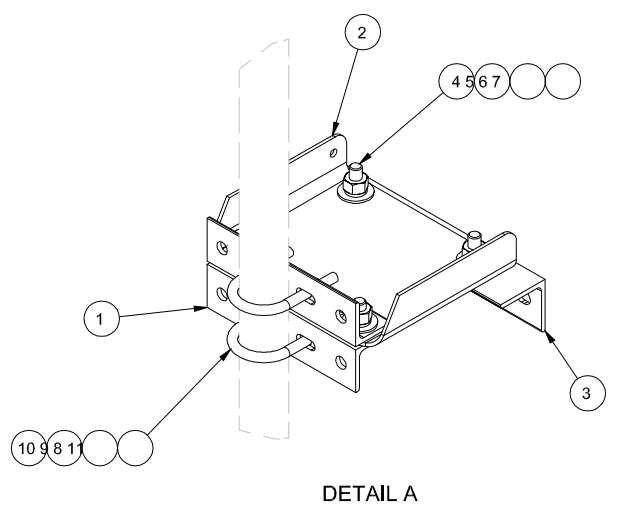
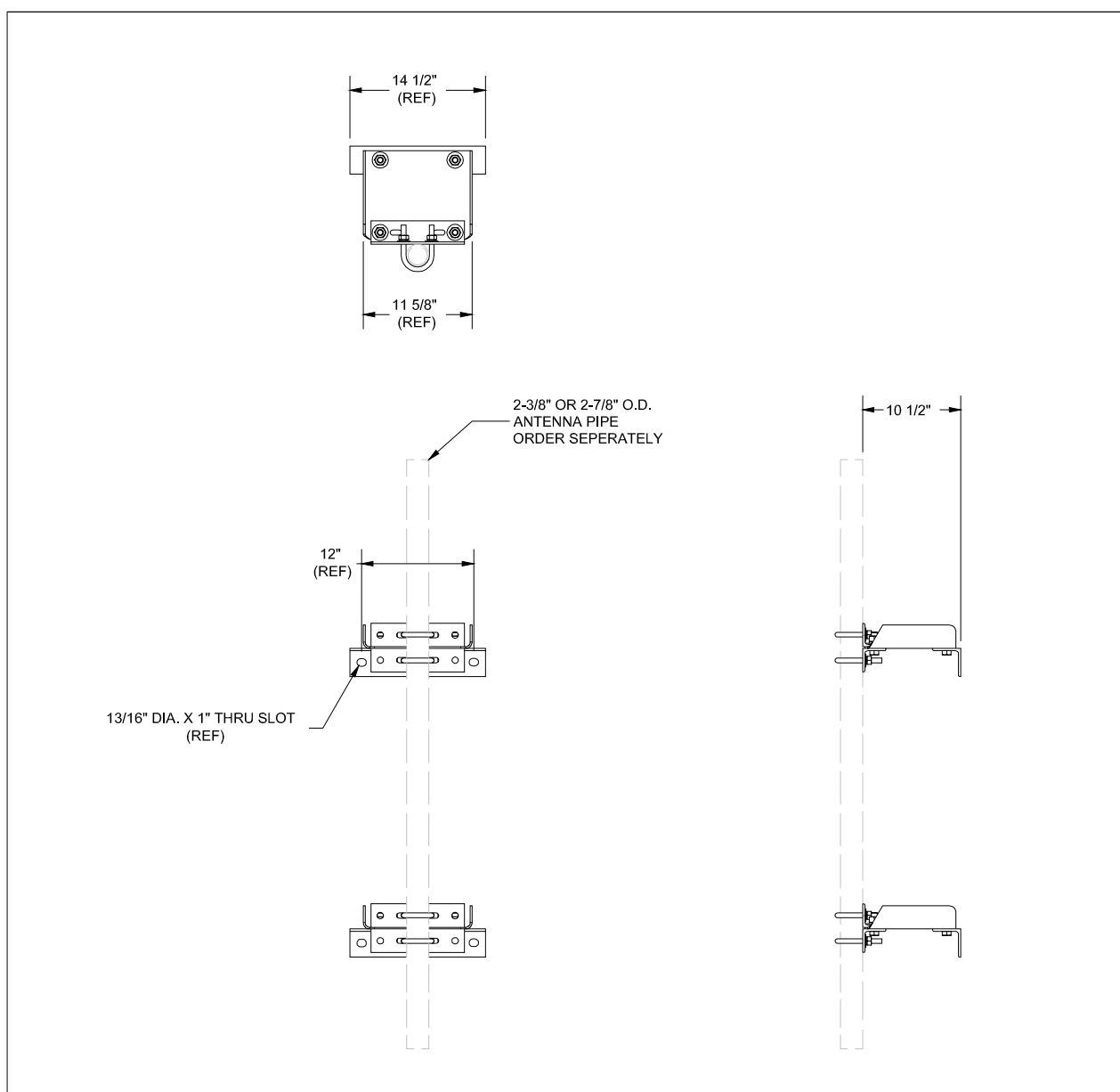
Drawing Title:
 DETAIL

Project No. 2000479: SML-052R4	
Designer: ML	Date: 08/30/21
Drawn By: MG	Checked By: MM
PM Review: GLC	Client Approval
Issue No. 0	Drawing No. S4

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PARTS LIST						
ITE	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	4	X-SLD-A	SLIDER BRACKET ANGLE	10 in	3.28	13.12
2	2	X-SLD-BP	SLIDER BRACKET BENT PLATE	15 3/4 in	8.13	16.26
3	2	X-SLD3	SLIDER BRACKET WALL ANGLE	14 1/2 in	6.10	12.20
4	8	G5802	5/8" x 2" HDG HEX BOLT GR5		0.27	2.16
5	8	G58FW	5/8" HDG USS FLATWASHER	1/8 in	0.07	0.56
6	8	G58LW	5/8" HDG LOCKWASHER		0.03	0.21
7	8	G58NUT	5/8" HDG HEAVY 2H HEX NUT		0.13	1.04
8	8	G12FW	1/2" HDG USS FLATWASHER	3/32 in	0.03	0.27
9	8	G12LW	1/2" HDG LOCKWASHER	1/8 in	0.01	0.11
10	8	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	0.57
11	4	X-UB1212	1/2" X 2-1/2" X 4-1/2" X 2" GALV. U-BOLT		0.66	2.65
11	4	X-UB1300	1/2" X 3" X 5" X 2" GALV U-BOLT		0.74	2.95
TOTAL WT. #						51.93



City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
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TOLERANCE NOTES
TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:
SAWED, SHEARED AND GAS CUT EDGES (± 0.030")
DRILLED AND GAS CUT HOLES (± 0.030") - NO CONING OF HOLES
LASER CUT EDGES AND HOLES (± 0.010") - NO CONING OF HOLES
BENDS ARE ± 1/2 DEGREE
ALL OTHER MACHINING (± 0.030")
ALL OTHER ASSEMBLY (± 0.060")

PROPRIETARY NOTE:
THE DATA AND TECHNIQUES CONTAINED IN THIS DRAWING ARE PROPRIETARY INFORMATION OF VALMONT INDUSTRIES AND CONSIDERED A TRADE SECRET. ANY USE OR DISCLOSURE WITHOUT THE CONSENT OF VALMONT INDUSTRIES IS STRICTLY PROHIBITED.

DESCRIPTION SLIDER BRACKET WALL MOUNT 2-3/8" & 2-7/8" O.D. PIPE		
CPD NO.	DRAWN BY BMC	ENG. APPROVAL 3/8/2011
CLASS SUB 81 01	DRAWING USAGE CUSTOMER	CHECKED BY RCH 3/14/2011

SITE PRO 1
A valmont COMPANY

Locations:
New York, NY
Atlanta, GA
Los Angeles, CA
Plymouth, IN
Salem, OR
Dallas, TX

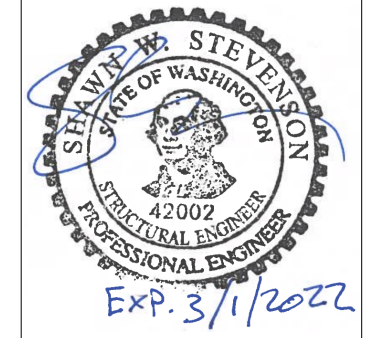
Engineering Support Team:
1-888-753-7446

PART NO.	SBWM
DWG. NO.	SBWM

1 SBWM DETAIL
S5 SCALE: N.T.S.

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0	08/30/21	ISSUED FOR CONSTRUCTION
No.	Date	Action
 MORRISON HERSHFIELD 1455 Lincoln Parkway, Suite 500 Atlanta, GA 30346 Tel: 770-379-8500 Fax: 770-379-8501 www.morrisonhershfield.com		
Client:		
Project:		
GOOD SAMARITAN SITE ID: 75153-A 407 14TH AVENUE SOUTHEAST PUYALLUP, WA 98371		
Drawing Title:		
SBWM DETAIL		
Project No. 2000479: SML-052R4		
Designer: ML	Date: 08/30/21	
Drawn By: MG	Checked By: MM	
PM Review: GLC	Client Approval	
Issue No. 0	Drawing No. S5	

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GENERAL:

- FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:

CONTRACTOR	-	SMARTLINK
SUBCONTRACTOR	-	GENERAL CONTRACTOR (CONSTRUCTION)
OEM	-	ORIGINAL EQUIPMENT MANUFACTURER
- PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING SUBCONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CONTRACTOR.
- ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. SUBCONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK.
- ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
- DRAWINGS PROVIDED HERE ARE NOT TO BE SCALED AND ARE INTENDED TO SHOW OUTLINE ONLY.
- UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
- THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
- IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE CONTRACTOR.
- THE SUBCONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT SUBCONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
- THE SUBCONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION.
- ALL STRUCTURAL STEEL WORK SHALL BE DONE IN ACCORDANCE WITH AISC SPECIFICATIONS.
- THE SUBCONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS MUST BE VERIFIED. THE SUBCONTRACTOR SHALL NOTIFY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
- THE EXISTING CELL SITE IS IN FULL COMMERCIAL OPERATION. ANY CONSTRUCTION WORK BY THE SUBCONTRACTOR SHALL NOT DISRUPT THE EXISTING NORMAL OPERATION. ANY WORK ON EXISTING EQUIPMENT MUST BE COORDINATED WITH THE CONTRACTOR. ALSO, WORK MAY NEED TO BE SCHEDULED FOR AN APPROPRIATE MAINTENANCE WINDOW USUALLY IN LOW TRAFFIC PERIODS AFTER MIDNIGHT.
- SINCE THE CELL SITE MAY BE ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE REQUIRED TO BE WORN TO ALERT OF ANY DANGEROUS EXPOSURE LEVELS.
- THE SUBCONTRACTOR SHALL NOT USE OR INSTALL ANY MATERIAL CONTAINING ASBESTOS OR LEAD PAINT CONTENT. THE USE OF SUCH MATERIAL IS STRICTLY PROHIBITED.

INSTALLER:

- ALL CONTRACTORS MUST ADHERE TO ALL SITE AND TOWER SAFETY PROCEDURES AND PROVIDE THIS DOCUMENTATION IN WRITING IF REQUESTED TO TOWER OWNER.
- TOWER OWNER SHALL BE CONTACTED IMMEDIATELY TO EVALUATE ANY EXISTING CONDITIONS THAT WILL AFFECT THE SAFETY AND SCOPE OF WORK.
- CONTRACTOR TO PROVIDE THE NECESSARY CERTIFICATIONS OF ALL WORKERS ON THE TOWER TO OWNER UPON REQUEST.
- THE CONTRACTOR SHALL SUPERVISE ALL SAFETY PROGRAMS AND PRECAUTIONS IN CONNECTION WITH THIS WORK AND MUST PROVIDE WRITTEN DOCUMENTS OF THESE PROCEDURES.
- THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING; NO SITE VISIT HAS BEEN PERFORMED BY MORRISON HERSHFIELD. ALL INFORMATION PROVIDED ABOUT THE TOWER HAS BEEN TAKEN FROM OTHER SOURCES AND HAS BEEN ASSUMED TO BE RELIABLE.
- EVERY ATTEMPT IS TO BE MADE TO AVOID CARRIER DOWNTIME. ALL COAX AND ITEMS CURRENTLY ON TOWER MUST BE RETURNED TO EQUAL OR BETTER THAN ORIGINAL CONDITION PRIOR TO COMPLETION. ANY DOWNTIME OR CHANGES ARE TO BE COORDINATED IN WRITING WITH TOWER OWNER.
- WORK IS TO BE CONTAINED TO THE SITE COMPOUND AREA ONLY. ANY OUTSIDE OR ADJACENT PROPERTY NEEDED TO PERFORM ACCESS OR SCOPE OF WORK TO BE REQUESTED IN WRITING TO TOWER OWNER.

STRUCTURAL STEEL:

- DESIGN, FABRICATION AND ERECTION SHALL CONFORM TO TIA/EIA-222-H "STRUCTURAL STANDARD FOR ANTENNA SUPPORTING STRUCTURES AND ANTENNAS AND SMALL WIND TURBINE SUPPORT STRUCTURES" AND AISC STEEL MANUAL OF STEEL CONSTRUCTION, UNO.
- MATERIALS AND SERVICES PROVIDED BY THE CONTRACTOR SHALL CONFORM TO THE ABOVE MENTIONED CODES AND CONTRACT SPECIFICATIONS.
- ALL STRUCTURAL STEEL IS TO BE NEW AND CONFORM TO THE FOLLOWING (UNLESS NOTED OTHERWISE ON THE DRAWINGS):
 - ALL ANGLE STEEL SHALL BE A36 (FY = 36 KSI) UNLESS NOTED OTHERWISE.
 - ALL PIPE STEEL SHALL BE A53 GRADE-B (FY = 35 KSI) UNLESS NOTED OTHERWISE.
 - ALL CHANNEL STEEL SHALL BE A36 (FY = 53 KSI) UNLESS NOTED OTHERWISE.
 - ALL OTHER STEEL SHALL BE A36 (FY = 36 KSI) UNLESS NOTED OTHERWISE.
 ANY STEEL THAT DOES NOT MEET THE MINIMUM SPECIFIED YIELD STRESS (FY) SHOWN WILL BE REJECTED.
- ANY EXISTING GALVANIZED SURFACES DAMAGED DURING MODIFICATION SHALL BE WIRE BRUSHED CLEANED AND REPAIRED BY (2) COATS COLD GALVANIZING BRUSH APPLIED PAINT (ZRC OR EQUAL).
- ALL BOLTS SHALL BE HIGH STRENGTH CONFORMING TO ASTM A325 OR A490 TYPE 1 AS NOTED. ALL BOLTS SHALL BE HOT DIP GALVANIZED AND HAVE LOCK WASHERS OR LOCKING DEVICES. DO NOT RE-USE BOLTS. BOLT THREADS ARE TO BE EXCLUDED FROM THE SHEARING PLANES. USE BEARING TYPE CONNECTIONS UNLESS NOTED OTHERWISE. ALL BOLTS SHALL BE PRETENSIONED USING THE TURN-OF-THE-NUT METHOD.
- ALL U-BOLTS SHALL BE A307. ALL BOLTS SHALL BE HOT DIP GALVANIZED AND HAVE LOCK WASHERS OR LOCKING DEVICES. DO NOT RE-USE BOLTS. ALL U-BOLTS SHALL BE SNUG TIGHT.
- WHERE CONNECTIONS ARE NOT FULLY DETAILED ON THESE DRAWINGS, FABRICATOR SHALL DESIGN CONNECTIONS TO RESIST LOADS AND FORCES WHERE SHOWN ON DRAWINGS AND AS OUTLINED IN SPECIFICATIONS. SUBMIT SHOP DRAWINGS IN ACCORDANCE WITH SPECIFICATIONS. DRAWINGS SHALL BE SEALED BY THE FABRICATOR'S LICENSED ENGINEER.
- PROVIDE ALL REQUIRED GUSSETS, SPACERS, FILLERS AND BATTEN PLATES.
- MAKE NO HOLES IN ANY NEW OR EXISTING STRUCTURAL STEEL MEMBER OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS WITHOUT THE WRITTEN APPROVAL BY THE ENGINEER.
- ALL EXPOSED EXTERIOR STRUCTURAL STEEL (INCLUDING BOLTS, PACK WASHERS, PINS, ETC.) TO BE HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM A153 AND A123. FOR ALL WELDED CONNECTIONS TO BE GALVANIZED, PROVIDE WELDS ALL AROUND OR ADD SEAL WELDS WHERE STRUCTURAL WELDS ARE NOT SPECIFIED.
- ANY SUBSTITUTES IN MATERIAL OR SCOPE OF WORK PROPOSED BY THE CONTRACTOR SHALL BE APPROVED IN WRITING BY MORRISON HERSHFIELD ENGINEER.
- CONTRACTORS SHALL COORDINATE W/ MORRISON HERSHFIELD WITHIN 72 HOURS AFTER 100% COMPLETION OF THE MOUNT MODIFICATION INSTALLATION. PROPOSED LOADING WITHOUT ENGINEER APPROVAL IS PROHIBITED.

WOOD NOTES:

- NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS), LATEST ADOPTION.
- INSTALL ROUGH CARPENTRY WORK TO COMPLY WITH AMERICAN INSTITUTE OF TIMBER CONSTRUCTION (AITC) TIMBER CONSTRUCTION (TC) MANUAL, LATEST ADOPTION AND RECOMMENDATIONS OF THE PRODUCT MANUFACTURER.
- ALL WOOD MEMBERS SHALL BE DOUGLAS FIR SPECIES, "SELECT STRUCTURAL" (GRADED UNDER WWPA RULES).
- MISCELLANEOUS FASTENER CONNECTIONS SHALL BE IN ACCORDANCE WITH THE NAILING SCHEDULE OF THE APPROPRIATE BUILDING CODE. WHERE ROUGH CARPENTRY IS EXPOSED TO WEATHER, IN GROUND CONTACT, OR IN AREAS OF HIGH RELATIVE HUMIDITY, PROVIDE HOT-DIP-ZINC COATED FASTENERS PER ASTM A153 OR AISI TYPE 304 STAINLESS STEEL FASTENERS.
- PRESERVATIVE PRESSURE TREAT LUMBER AND PLYWOOD WITH WATER-BORNE PRESERVATIVES TO COMPLY WITH AWPA C2 AND C9 RESPECTIVELY, AND WITH REQUIREMENTS INDICATED BELOW.
- WOOD MEMBERS CONNECTORS SHALL BE SIMPSON STRONG-TIE OR APPROVED. FILL ALL NAIL HOLES WITH NAILS AS SPECIFIED BY CONNECTOR MANUFACTURER, UNLESS NOTED OTHERWISE. HANGER SHALL DEVELOP BENDING STRENGTH OF MEMBERS, UNLESS CALLED OUT ON DRAWINGS.

COPING AND GAGE NOTES:

BOLT SCHEDULE

BOLT DIAMETER	STANDARD HOLE	MIN. EDGE DISTANCE	MIN. SPACING
1/2	9/16	7/8	1-1/2
5/8	11/16	1-1/8	1-7/8
3/4	13/16	1-1/4	2-1/4
7/8	15/16	1-1/2	2-5/8"
1	1-1/16	1-3/4	3

SPACING EDGE DISTANCE

- DIMENSIONS GIVEN IN INCHES
- SHORT SLOT HOLES SHALL ONLY BE USED WHEN DEPICTED ON THE PLANS

WORKABLE GAGES

LEG	4	3-1/2	3	2-1/2	2	1-3/4
G	2-1/2	2	1-3/4	1-3/8	1-1/8	1

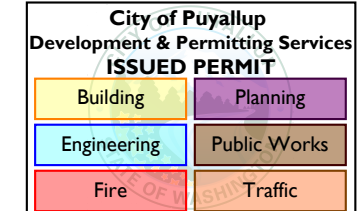
- DIMENSIONS GIVEN IN INCHES
- MATCH EXISTING WHEN APPLICABLE

ALLOWABLE ANGLE COPE

DO NOT COPE BEYOND THIS LINE

1.5xL MAX. COPED ANGLE BOLT HOLE

- ALL DIMENSIONS REPRESENTED IN THE ABOVE TABLES ARE AISC MINIMUM REQUIREMENTS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN FIELD AND NOTIFY ENGINEER IF DISTANCES ARE LESS THAN THOSE PROVIDED.
- THE DIMENSIONS PROVIDED ARE MINIMUM REQUIREMENTS. ACTUAL DIMENSIONS OF PROPOSED MEMBERS WITHIN THESE DRAWINGS MAY VARY FROM THE AISC MINIMUM REQUIREMENT.



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0	08/30/21	ISSUED FOR CONSTRUCTION
No.	Date	Action

MORRISON HERSHFIELD
 1455 Lincoln Parkway, Suite 500
 Atlanta, GA 30346
 Tel: 770-379-8500 Fax: 770-379-8501
 www.morrisonhershfield.com

Client: **smartlink**

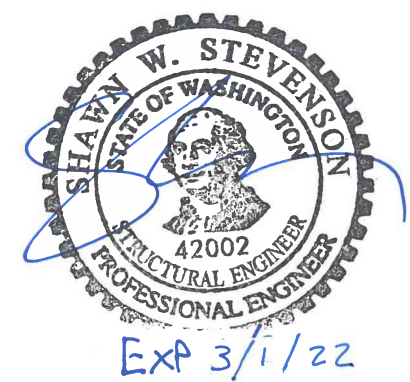
Project: **GOOD SAMARITAN
 SITE ID: 75153-A
 407 14TH AVENUE SOUTHEAST
 PUYALLUP, WA 98371**

REINFORCING NOTES

Project No. 2000479: SML-052R4	
Designer: ML	Date: 08/30/21
Drawn By: MG	Checked By: MM
PM Review: GLC	Client Approval
Issue No. 0	Drawing No. N1

SMARTLINK, LLC, USA
 11232 120TH AVE NE, SUITE 204
 KIRKLAND, WA 98034

DO NOT SCALE DRAWINGS. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND ADVISE CONSULTANTS OF ANY ERRORS OR OMISSIONS. NO VARIATIONS OR MODIFICATIONS TO WORK SHOWN SHALL BE IMPLEMENTED WITHOUT PRIOR WRITTEN APPROVAL. ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED BY THE LATEST REVISION. ALL DRAWINGS AND SPECIFICATIONS REMAIN THE PROPERTY OF MORRISON HERSHFIELD CORPORATION. NEITHER MORRISON HERSHFIELD NOR THE ARCHITECT WILL BE PROVIDING CONSTRUCTION REVIEW OF THIS PROJECT.



City of Puyallup
 Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



GOOD SAMARITAN SITE ID: 75153-A

**407 14TH AVENUE SOUTHEAST
 PUYALLUP, WA 98371**

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0	12/13/21	ISSUED FOR CONSTRUCTION
No.	Date	Action

MORRISON HERSHFIELD
 1455 Lincoln Parkway, Suite 500
 Atlanta, GA 30346
 Tel: 770-379-8500 Fax: 770-379-8501
 www.morrisonhershfield.com

C:\Users\j\p\p\OneDrive - MORRISON HERSHFIELD\Desktop\New Folder\Jobs\2021\Modification\SML-052R7\PLATFORM.MXD\Drawings\SML-052R7-0000-SAMARITAN-SML-052R7.dwg plotted by: mgp01 13 Dec 2021 12:57pm

SITE LOCATION

DIRECTIONS
 FROM SEATTLE-TACOMA INTERNATIONAL AIRPORT:
 GET ON WA-518 E IN TUKWILA FROM AIRPORT EXPRESSWAY. DRIVE FROM WA-167 S TO PUYALLUP. TAKE THE EXIT TOWARD MERIDIAN ST S FROM WA-161 S/WA-512 W. CONTINUE ON S MERIDIAN. TAKE 3RD ST SE TO 13TH AVE SE. TURN LEFT ONTO S MERIDIAN. TURN LEFT ONTO 15TH AVE SE. AT THE ROUNDABOUT, TAKE THE 3RD EXIT ONTO 3RD ST SE. 3RD ST SE TURNS SLIGHTLY RIGHT AND BECOMES 13TH AVE SE. DESTINATION WILL BE ON THE RIGHT.

PROJECT CONTACTS

MHC PROJECT ENGINEER
 Shawn W. Stevenson Senior Engineer
 (360) 314-5994
 SStevenson@morrisonhershfield.com

Lance Cooke Project Manager
 (360) 487-9132
 LCooke@morrisonhershfield.com

CLIENT CONTACT
 John Evans Project Manager
 (916) 527-4157
 Michael.Chong@smartlinkgroup.com

PROJECT DATA

TOWER HEIGHT: 68.08' BUILDING
 ANALYSIS REPORT: MH PROJECT NO. SML-052R7 / 2000479
 DATED: 12/13/2021

CODE COMPLIANCE

THIS MODIFICATION DESIGN HAS BEEN PERFORMED IN ACCORDANCE WITH THE FOLLOWING CRITERIA:

DESIGN STANDARD:
 2018 INTERNATIONAL BUILDING CODE
 ASCE 7-16, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES
 AISC 325-17, MANUAL OF STEEL CONSTRUCTION
 ACI 318-19, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE

WIND DESIGN:
 WIND SPEED: 108 MPH (ULTIMATE 3-SEC GUST)
 EXPOSURE CATEGORY: C
 RISK CATEGORY: IV
 TOPO. FACTOR, K_{zt} : 1.0

EARTHQUAKE DESIGN:
 SEISMIC DESIGN CATEGORY: D
 RISK CATEGORY: IV
 SITE CLASS: D
 S_s : 1.266g
 S_r : 0.436g

LIST OF DRAWINGS

NO.	TITLE	REVISION
T1	COVER SHEET	0
S1	PARTIAL ROOF PLAN & MODIFICATION SCHEDULE	0
S2	PLATFORM PLANS	0
S3	PLATFORM SIDE VIEWS	0
N1	REINFORCING NOTES	0

Client:

Project:
 GOOD SAMARITAN
 SITE ID: 75153-A
 407 14TH AVENUE SOUTHEAST
 PUYALLUP, WA 98371

Drawing Title:
COVER SHEET

Project No. 2000479: SML-052R7	Designer: ML	Date: 12/13/21
Drawn By: MG	Checked By: SWS	
PM Review: GLC	Client Approval	
Issue No. 0	Drawing No. T1	

MODIFICATION SCHEDULE

- SCOPE OF WORK INCLUDES REMOVING TRANSVERSE MEMBER OF EQUIPMENT PLATFORM AND REPLACE WITH NEW W10x15, 10'-0"± LONG. REFER SHEET S2 & S3 FOR DETAILS.
- USE 3/4"Ø, A325 TYPE-X BOLT FOR TRANSVERSE MEMBER END CONNECTIONS.
- THE CONTRACTOR SHALL VISIT THE SITE; ANY PROBLEMS WITH ACCESS, INTERFERENCE, ETC. SHALL BE RESOLVED PRIOR TO BIDDING THE JOB.
- CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS.
- FIELD VERIFY ALL BOLT SIZES PRIOR TO CONSTRUCTION.
- WORK TO BE PERFORMED ONLY DURING CALM DAYS (WINDS LESS THAN 15 MPH).
- CONTRACTOR TO MEASURE ALL DIMENSIONS BEFORE CREATING SHOP DRAWINGS. NOTIFY THE EOR IF THE FIELD DIMENSIONS CONFLICT WITH THE DESIGN.

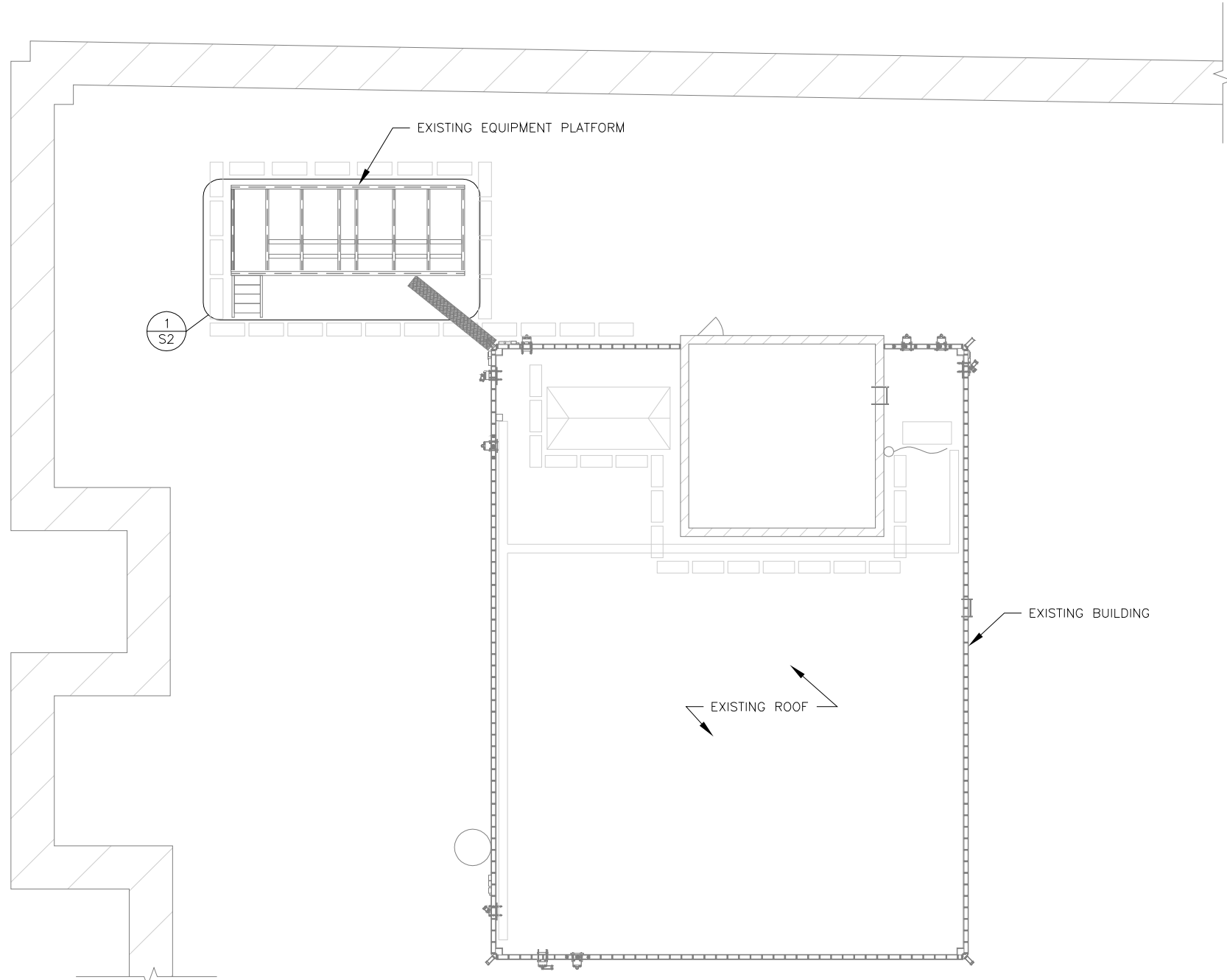
CONTRACTOR SUBMITTALS

- THE CONTRACTOR SHALL SUBMIT THE FOLLOWING SUBMITTALS TO THE ENGINEER FOR REVIEW:
- BILL OF MATERIAL, MATERIAL TEST RESULTS & SHOP DRAWINGS.

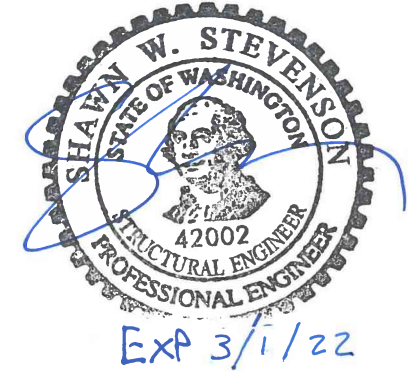
DO NOT SCALE DRAWINGS. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND ADVISE CONSULTANTS OF ANY ERRORS OR OMISSIONS. NO VARIATIONS OR MODIFICATIONS TO WORK SHOWN SHALL BE IMPLEMENTED WITHOUT PRIOR WRITTEN APPROVAL. ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED BY THE LATEST REVISION. ALL DRAWINGS AND SPECIFICATIONS REMAIN THE PROPERTY OF MORRISON HERSHFIELD CORPORATION. NEITHER MORRISON HERSHFIELD NOR THE ARCHITECT WILL BE PROVIDING CONSTRUCTION REVIEW OF THIS PROJECT.

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Engineering	Public Works
Fire	Traffic



1 PARTIAL ROOF PLAN
S1 SCALE: NTS



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0	12/13/21	ISSUED FOR CONSTRUCTION
No.	Date	Action

MORRISON HERSHFIELD
1455 Lincoln Parkway, Suite 500
Atlanta, GA 30346
Tel: 770-379-8500 Fax: 770-379-8501
www.morrisonhershfield.com

Client:

Project:
GOOD SAMARITAN
SITE ID: 75153-A
407 14TH AVENUE SOUTHEAST
PUYALLUP, WA 98371

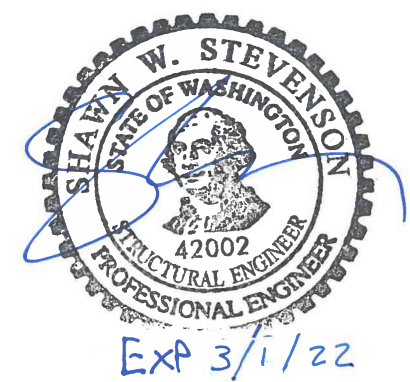
Drawing Title:
**PARTIAL ROOF PLAN &
MODIFICATION
SCHEDULE**

Project No. 2000479: SML-052R7	
Designer: ML	Date: 12/13/21
Drawn By: MG	Checked By: SWS
PM Review: GLC	Client Approval

Issue No. 0	Drawing No. S1
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DO NOT SCALE DRAWINGS. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND ADVISE CONSULTANTS OF ANY ERRORS OR OMISSIONS. NO VARIATIONS OR MODIFICATIONS TO WORK SHOWN SHALL BE IMPLEMENTED WITHOUT PRIOR WRITTEN APPROVAL. ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED BY THE LATEST REVISION. ALL DRAWINGS AND SPECIFICATIONS REMAIN THE PROPERTY OF MORRISON HERSHFIELD CORPORATION. NEITHER MORRISON HERSHFIELD NOR THE ARCHITECT WILL BE PROVIDING CONSTRUCTION REVIEW OF THIS PROJECT.

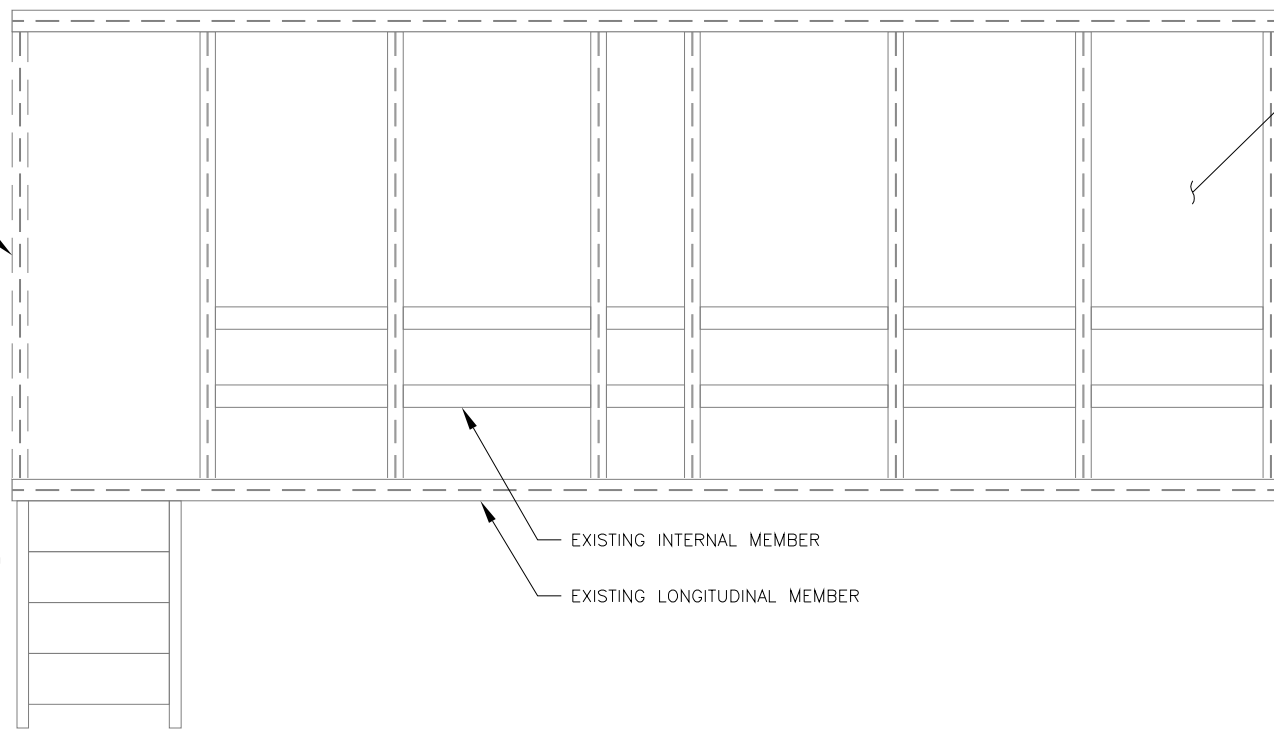


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Building	Planning
Engineering	Public Works
Fire	Traffic

EXISTING TRANSVERSE MEMBER TO BE REMOVED

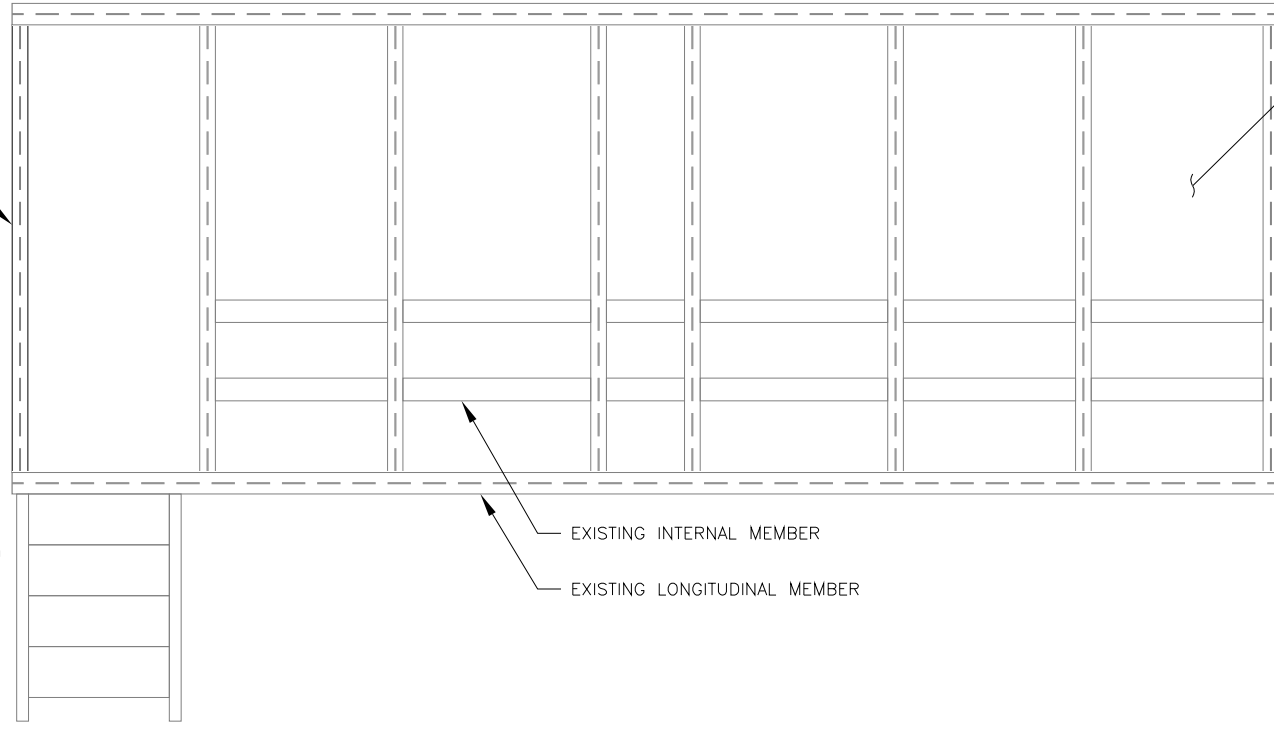
1
S3



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S2
PLATFORM PLAN VIEW (EXISTING)
SCALE: 1/4"=1'-0"

2
S3

NEW W10x15, 10'-0"± LONG TO MATCH EXISTING



2
S2
PLATFORM PLAN VIEW (PROPOSED)
SCALE: 1/4"=1'-0"

No.	Date	Action
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0	12/13/21	ISSUED FOR CONSTRUCTION

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Atlanta, GA 30346
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Client:

Project:
GOOD SAMARITAN
SITE ID: 75153-A
407 14TH AVENUE SOUTHEAST
PUYALLUP, WA 98371

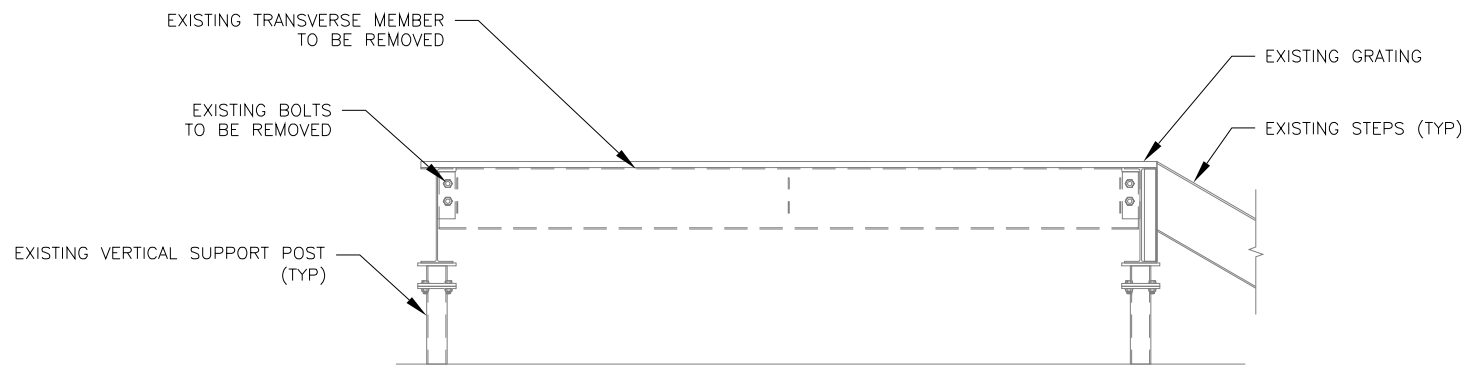
Drawing Title:
PLATFORM PLANS

Project No. 2000479: SML-052R7	
Designer: ML	Date: 12/13/21
Drawn By: MG	Checked By: SWS
PM Review: GLC	Client Approval
Issue No. 0	Drawing No. S2

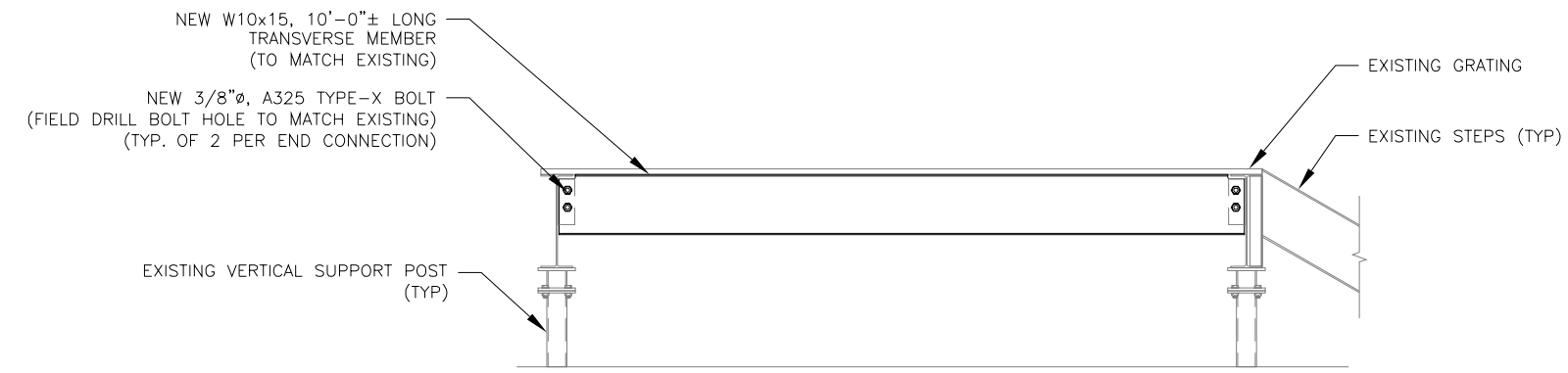
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City of Puyallup
Development & Permitting Services
ISSUED PERMIT

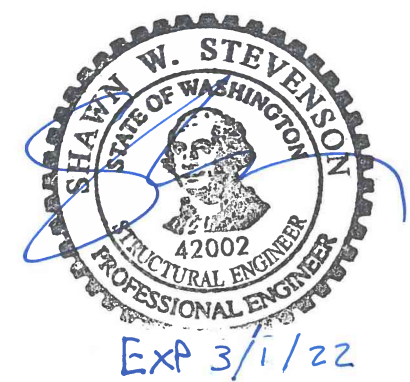
Building	Planning
Engineering	Public Works
Fire	Traffic



1 PLATFORM SIDE VIEW (EXISTING)
 S3 SCALE: 3/8"=1'-0"



2 PLATFORM SIDE VIEW (PROPOSED)
 S3 SCALE: 3/8"=1'-0"



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0	12/13/21	ISSUED FOR CONSTRUCTION
No.	Date	Action

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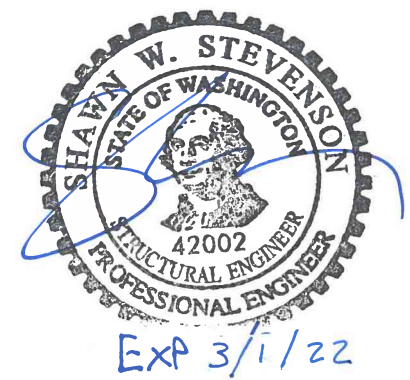
Client:

Project:
 GOOD SAMARITAN
 SITE ID: 75153-A
 407 14TH AVENUE SOUTHEAST
 PUYALLUP, WA 98371

Drawing Title:
PLATFORM SIDE VIEWS

Project No. 2000479: SML-052R7	
Designer: ML	Date: 12/13/21
Drawn By: MG	Checked By: SWS
PM Review: GLC	Client Approval
Issue No. 0	Drawing No. S3

DO NOT SCALE DRAWINGS. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND ADVISE CONSULTANTS OF ANY ERRORS OR OMISSIONS. NO VARIATIONS OR MODIFICATIONS TO WORK SHOWN SHALL BE IMPLEMENTED WITHOUT PRIOR WRITTEN APPROVAL. ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED BY THE LATEST REVISION. ALL DRAWINGS AND SPECIFICATIONS REMAIN THE PROPERTY OF MORRISON HERSHFIELD CORPORATION. NEITHER MORRISON HERSHFIELD NOR THE ARCHITECT WILL BE PROVIDING CONSTRUCTION REVIEW OF THIS PROJECT.



GENERAL:

- FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:

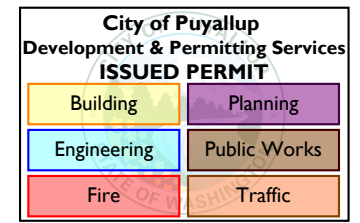
CONTRACTOR	-	SMARTLINK
SUBCONTRACTOR	-	GENERAL CONTRACTOR (CONSTRUCTION)
OEM	-	ORIGINAL EQUIPMENT MANUFACTURER
- PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING SUBCONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CONTRACTOR.
- ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. SUBCONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK.
- ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
- DRAWINGS PROVIDED HERE ARE NOT TO BE SCALED AND ARE INTENDED TO SHOW OUTLINE ONLY.
- UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
- THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
- IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE CONTRACTOR.
- THE SUBCONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT SUBCONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
- THE SUBCONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION.
- ALL STRUCTURAL STEEL WORK SHALL BE DONE IN ACCORDANCE WITH AISC SPECIFICATIONS.
- THE SUBCONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS MUST BE VERIFIED. THE SUBCONTRACTOR SHALL NOTIFY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
- THE EXISTING CELL SITE IS IN FULL COMMERCIAL OPERATION. ANY CONSTRUCTION WORK BY THE SUBCONTRACTOR SHALL NOT DISRUPT THE EXISTING NORMAL OPERATION. ANY WORK ON EXISTING EQUIPMENT MUST BE COORDINATED WITH THE CONTRACTOR. ALSO, WORK MAY NEED TO BE SCHEDULED FOR AN APPROPRIATE MAINTENANCE WINDOW USUALLY IN LOW TRAFFIC PERIODS AFTER MIDNIGHT.
- SINCE THE CELL SITE MAY BE ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE REQUIRED TO BE WORN TO ALERT OF ANY DANGEROUS EXPOSURE LEVELS.
- THE SUBCONTRACTOR SHALL NOT USE OR INSTALL ANY MATERIAL CONTAINING ASBESTOS OR LEAD PAINT CONTENT. THE USE OF SUCH MATERIAL IS STRICTLY PROHIBITED.

INSTALLER:

- ALL CONTRACTORS MUST ADHERE TO ALL SITE AND TOWER SAFETY PROCEDURES AND PROVIDE THIS DOCUMENTATION IN WRITING IF REQUESTED TO TOWER OWNER.
- TOWER OWNER SHALL BE CONTACTED IMMEDIATELY TO EVALUATE ANY EXISTING CONDITIONS THAT WILL AFFECT THE SAFETY AND SCOPE OF WORK.
- CONTRACTOR TO PROVIDE THE NECESSARY CERTIFICATIONS OF ALL WORKERS ON THE TOWER TO OWNER UPON REQUEST.
- THE CONTRACTOR SHALL SUPERVISE ALL SAFETY PROGRAMS AND PRECAUTIONS IN CONNECTION WITH THIS WORK AND MUST PROVIDE WRITTEN DOCUMENTS OF THESE PROCEDURES.
- THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING; NO SITE VISIT HAS BEEN PERFORMED BY MORRISON HERSHFIELD. ALL INFORMATION PROVIDED ABOUT THE TOWER HAS BEEN TAKEN FROM OTHER SOURCES AND HAS BEEN ASSUMED TO BE RELIABLE.
- EVERY ATTEMPT IS TO BE MADE TO AVOID CARRIER DOWNTIME. ALL COAX AND ITEMS CURRENTLY ON TOWER MUST BE RETURNED TO EQUAL OR BETTER THAN ORIGINAL CONDITION PRIOR TO COMPLETION. ANY DOWNTIME OR CHANGES ARE TO BE COORDINATED IN WRITING WITH TOWER OWNER.
- WORK IS TO BE CONTAINED TO THE SITE COMPOUND AREA ONLY. ANY OUTSIDE OR ADJACENT PROPERTY NEEDED TO PERFORM ACCESS OR SCOPE OF WORK TO BE REQUESTED IN WRITING TO TOWER OWNER.

STRUCTURAL STEEL:

- DESIGN, FABRICATION AND ERECTION SHALL CONFORM TO TIA/EIA-222-H "STRUCTURAL STANDARD FOR ANTENNA SUPPORTING STRUCTURES AND ANTENNAS AND SMALL WIND TURBINE SUPPORT STRUCTURES" AND AISC STEEL MANUAL OF STEEL CONSTRUCTION, UNO.
- MATERIALS AND SERVICES PROVIDED BY THE CONTRACTOR SHALL CONFORM TO THE ABOVE MENTIONED CODES AND CONTRACT SPECIFICATIONS.
- ALL STRUCTURAL STEEL IS TO BE NEW AND CONFORM TO THE FOLLOWING (UNLESS NOTED OTHERWISE ON THE DRAWINGS):
 - ALL ANGLE STEEL SHALL BE A36 (FY = 36 KSI) UNLESS NOTED OTHERWISE.
 - ALL PIPE STEEL SHALL BE A53 GRADE-B (FY = 35 KSI) UNLESS NOTED OTHERWISE.
 - ALL CHANNEL STEEL SHALL BE A36 (FY = 53 KSI) UNLESS NOTED OTHERWISE.
 - ALL OTHER STEEL SHALL BE A36 (FY = 36 KSI) UNLESS NOTED OTHERWISE.
 ANY STEEL THAT DOES NOT MEET THE MINIMUM SPECIFIED YIELD STRESS (FY) SHOWN WILL BE REJECTED.
- ANY EXISTING GALVANIZED SURFACES DAMAGED DURING MODIFICATION SHALL BE WIRE BRUSHED CLEANED AND REPAIRED BY (2) COATS COLD GALVANIZING BRUSH APPLIED PAINT (ZRC OR EQUAL).
- ALL BOLTS SHALL BE HIGH STRENGTH CONFORMING TO ASTM A325 OR A490 TYPE 1 AS NOTED. ALL BOLTS SHALL BE HOT DIP GALVANIZED AND HAVE LOCK WASHERS OR LOCKING DEVICES. DO NOT RE-USE BOLTS. BOLT THREADS ARE TO BE EXCLUDED FROM THE SHEARING PLANES. USE BEARING TYPE CONNECTIONS UNLESS NOTED OTHERWISE. ALL BOLTS SHALL BE PRETENSIONED USING THE TURN-OF-THE-NUT METHOD.
- ALL U-BOLTS SHALL BE A307. ALL BOLTS SHALL BE HOT DIP GALVANIZED AND HAVE LOCK WASHERS OR LOCKING DEVICES. DO NOT RE-USE BOLTS. ALL U-BOLTS SHALL BE SNUG TIGHT.
- WHERE CONNECTIONS ARE NOT FULLY DETAILED ON THESE DRAWINGS, FABRICATOR SHALL DESIGN CONNECTIONS TO RESIST LOADS AND FORCES WHERE SHOWN ON DRAWINGS AND AS OUTLINED IN SPECIFICATIONS. SUBMIT SHOP DRAWINGS IN ACCORDANCE WITH SPECIFICATIONS. DRAWINGS SHALL BE SEALED BY THE FABRICATOR'S LICENSED ENGINEER.
- PROVIDE ALL REQUIRED GUSSETS, SPACERS, FILLERS AND BATTEN PLATES.
- MAKE NO HOLES IN ANY NEW OR EXISTING STRUCTURAL STEEL MEMBER OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS WITHOUT THE WRITTEN APPROVAL BY THE ENGINEER.
- ALL EXPOSED EXTERIOR STRUCTURAL STEEL (INCLUDING BOLTS, PACK WASHERS, PINS, ETC.) TO BE HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM A153 AND A123. FOR ALL WELDED CONNECTIONS TO BE GALVANIZED, PROVIDE WELDS ALL AROUND OR ADD SEAL WELDS WHERE STRUCTURAL WELDS ARE NOT SPECIFIED.
- ANY SUBSTITUTES IN MATERIAL OR SCOPE OF WORK PROPOSED BY THE CONTRACTOR SHALL BE APPROVED IN WRITING BY MORRISON HERSHFIELD ENGINEER.
- CONTRACTORS SHALL COORDINATE W/ MORRISON HERSHFIELD WITHIN 72 HOURS AFTER 100% COMPLETION OF THE MOUNT MODIFICATION INSTALLATION. PROPOSED LOADING WITHOUT ENGINEER APPROVAL IS PROHIBITED.



COPING AND GAGE NOTES:

BOLT SCHEDULE

BOLT DIAMETER	STANDARD HOLE	MIN. EDGE DISTANCE	MIN. SPACING
1/2	9/16	7/8	1-1/2
5/8	11/16	1-1/8	1-7/8
3/4	13/16	1-1/4	2-1/4
7/8	15/16	1-1/2	2-5/8"
1	1-1/16	1-3/4	3

SPACING EDGE DISTANCE

- DIMENSIONS GIVEN IN INCHES
- SHORT SLOT HOLES SHALL ONLY BE USED WHEN DEPICTED ON THE PLANS

WORKABLE GAGES

LEG	4	3-1/2	3	2-1/2	2	1-3/4
G	2-1/2	2	1-3/4	1-3/8	1-1/8	1

- DIMENSIONS GIVEN IN INCHES
- MATCH EXISTING WHEN APPLICABLE

ALLOWABLE ANGLE COPE

DO NOT COPE BEYOND THIS LINE

1.5xL MAX. COPED ANGLE BOLT HOLE

- ALL DIMENSIONS REPRESENTED IN THE ABOVE TABLES ARE AISC MINIMUM REQUIREMENTS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN FIELD AND NOTIFY ENGINEER IF DISTANCES ARE LESS THAN THOSE PROVIDED.
- THE DIMENSIONS PROVIDED ARE MINIMUM REQUIREMENTS. ACTUAL DIMENSIONS OF PROPOSED MEMBERS WITHIN THESE DRAWINGS MAY VARY FROM THE AISC MINIMUM REQUIREMENT.

7		
6		
5		
4		
3		
2		
1		
0	12/13/21	ISSUED FOR CONSTRUCTION
No.	Date	Action

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Client: **smartlink**

Project: **GOOD SAMARITAN
 SITE ID: 75153-A
 407 14TH AVENUE SOUTHEAST
 PUYALLUP, WA 98371**

Drawing Title: **REINFORCING NOTES**

Project No. 2000479: SML-052R7	
Designer: ML	Date: 12/13/21
Drawn By: MG	Checked By: SWS
PM Review: GLC	Client Approval
Issue No. 0	Drawing No. N1