# **Development Services**

### From Concept to Construction

Phone: 503-823-7300 Email: bds@portlandoregon.gov 1900 SW 4th Ave, Portland, OR 97201 More Contact Info (http://www.portlandoregon.gov//bds/article/519984)

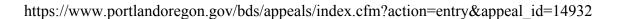
APPFAI	SUMMARY

Status: Decision Rendered

Appeal ID: 14932	Project Address: 9920 NE Cascades Pkwy
Hearing Date: 4/12/17	Appellant Name: Sophia Mekkers
Case No.: B-021	Appellant Phone: 503-380-1564
Appeal Type: Building	Plans Examiner/Inspector: John Cooley
Project Type: commercial	Stories: 5 Occupancy: Utility Construction Type: 1 and 5
Building/Business Name: Aloft Hotel	Fire Sprinklers: Yes - Exterior roof is not sprinkled
Appeal Involves: Alteration of an existing structure	LUR or Permit Application No.: 16-292682-CO
Plan Submitted Option: pdf [File 1] [File 2]	Proposed use: Unmanned Wireless Facility

### APPEAL INFORMATION SHEET

Code Section	Code Guide IBC/26/#1 items B7 and B11
Requires	Per the antenna screening guideline provided by the City of Portland, screening utilizing FRP materials cannot exceed the maximum screen height of 10'-0" above the finished flat roof.
	Additionally, a 5'-0" space is required from FRP screens to mechanical equipment.
Proposed Design	Verizon Wireless intends to install an unmanned wireless communications facility to enhance their wireless network.
	The proposed project includes the screening of antennas on the rooftop of the Aloft Hotel building. AT&T has already been approved to install antennas on this same rooftop. Verizon Wireless is proposing screening that matches the approved AT&T screening.
	The roof deck is at 55'-5" AGL. The upper eave of the existing penthouse is 70'-0" AGL. Verizon Wireless proposes to match the height approved for the proposed AT&T antenna screen, which is 68'-4" AGL. The vertical height measurement of the proposed screen is 10'-0".
	The portion of the penthouse wall that will be cut and replaced with FRP material, textured and painted to match the existing penthouse wall, to conceal the antennas, will be a minimum of 5 feet away from the proposed AT&T equipment platform, as well as the Verizon equipment cabinets proposed to be located within the existing penthouse.
Reason for alternative	The proposed screening meets the screening guidelines for the City of Portland and is designed to match the overall height of screening that has already been approved, by the City, for AT&T. Continuity of design is of critical importance to maintain the aesthetics of the building.







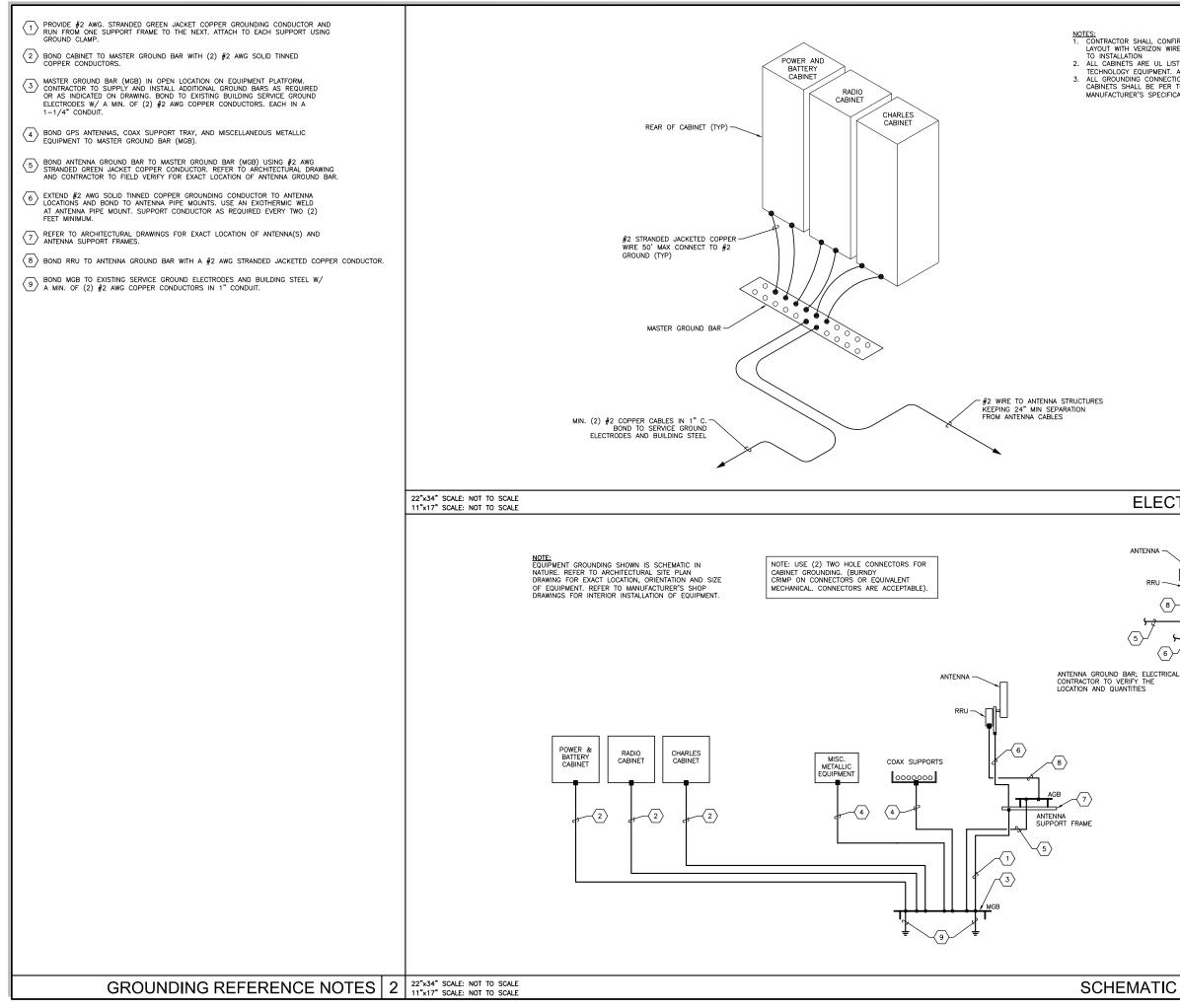
Additionally, the proposed screen wall materials are specified to meet or exceed LARR standard requirements for flammability and flame spread (see attached plans). The proposed screen walls will not block fire access or existing venting, and the existing structure is adequate to support the proposed loading.

### APPEAL DECISION

### FRP antennae screen height: Granted as proposed.

The Administrative Appeal Board finds that the information submitted by the appellant demonstrates that the approved modifications or alternate methods are consistent with the intent of the code; do not lessen health, safety, accessibility, life, fire safety or structural requirements; and that special conditions unique to this project make strict application of those code sections impractical.

Pursuant to City Code Chapter 24.10, you may appeal this decision to the Building Code Board of Appeal within 180 calendar days of the date this decision is published. For information on the appeals process and costs, including forms, appeal fee, payment methods and fee waivers, go to www.portlandoregon.gov/bds/appealsinfo, call (503) 823-7300 or come in to the Development Services Center.



DO NOT SCALE DRAWINGS. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND ADVISE CONSULTANTS OF ANY ERRORS OG OMISSIONS AND OVARIATONS OR MODIFICATIONS TO WORK SHOWN SHALL BE: IMPLEMENTED WITHOUT PRIOR WRITETS 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. NOTES: 1. CONTRACTOR SHALL CONFIRM LIGHTNING PROTECTION LAYOUT WITH VERIZON WIRELESS PROJECT MANAGER PRIOR 2. ALL CABINETS ARE UL LISTED 1950 INFORMATION TCO INSTALLATION 2. ALL CABINETS ARE UL LISTED 1950 INFORMATION TECHNOLOGY EQUIPMENT. ACCESSORY #9784 3. ALL GROUNDING CONNECTIONS WITHIN THE EQUIPMENT CABINETS SHALL BE PER THE GUIDELINES OF THE SERED ARCA MANUFACTURER'S SPECIFICATIONS. REG, m LARA C<sub>T</sub> License # 5897 ● PLANTATION, FL ● AVE OF OREGON S ROBERT JERRY LARA REGISTERED ARCHITECT STATE OF OREGON 5897 CONSTRUCTION 0 12/19/16 ISSUED FOR SUBMITTAL 12/16/16 ISSUED FOR 98% REVIEW D ISSUED FOR 95% REVIEW 12/02/16 06/27/16 ISSUED FOR 90% REVIEW ISSUED FOR REVIEW 03/18/16 Date Revisior Client: verizon ELECTRICAL LPS DETAIL 2 mplementation Team: ANTENNA  $\langle 6 \rangle$ RRU **BLACK ROCK** 8 A&E Team: 5-6 (5)-/ 5 6 MORRISON HERSHFIELD TO NEXT SECTOR 600 STEWART ST, SUITE 200 SEATTLE, WA 98101 Tel: 206.268.7370 www.morrisonhershfield.con Project Info: POR **FLYOVER** 9920 NE CASCADES PKWY PORTLAND, OR 97220 Drawing Title: GROUNDING PLAN AND NOTES Project Number: Start Date: 7150038 01/06/16 Drafte esignei SV Project Manager Professional of Record RKL Revision No: Sheet No: 0 E-4SCHEMATIC GROUNDING PLAN 1

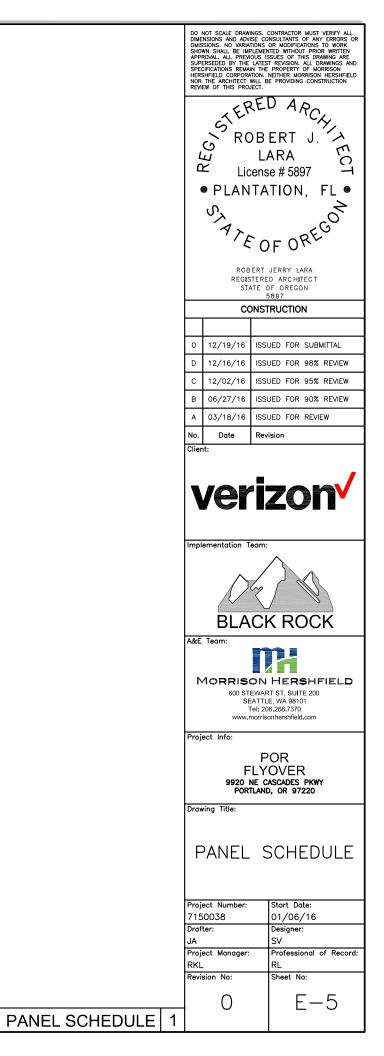
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BRANCH D	EVICES	FUSED CIRCUIT BREAKER														
	LUGS ONLY	MAIN 200A BREAKER	🗌 FL	JSED SWI	ТСН											
ALL BREAKERS MUST BE RATED TO INTERRUPT A SHORT CIRCUIT CURRENT OF MINIMUM 42,000 AMPS SYMMETRICAL.																
ACCEPTABLE MANUFACTURER/MODEL: INTERSECT MODEL: D300L																

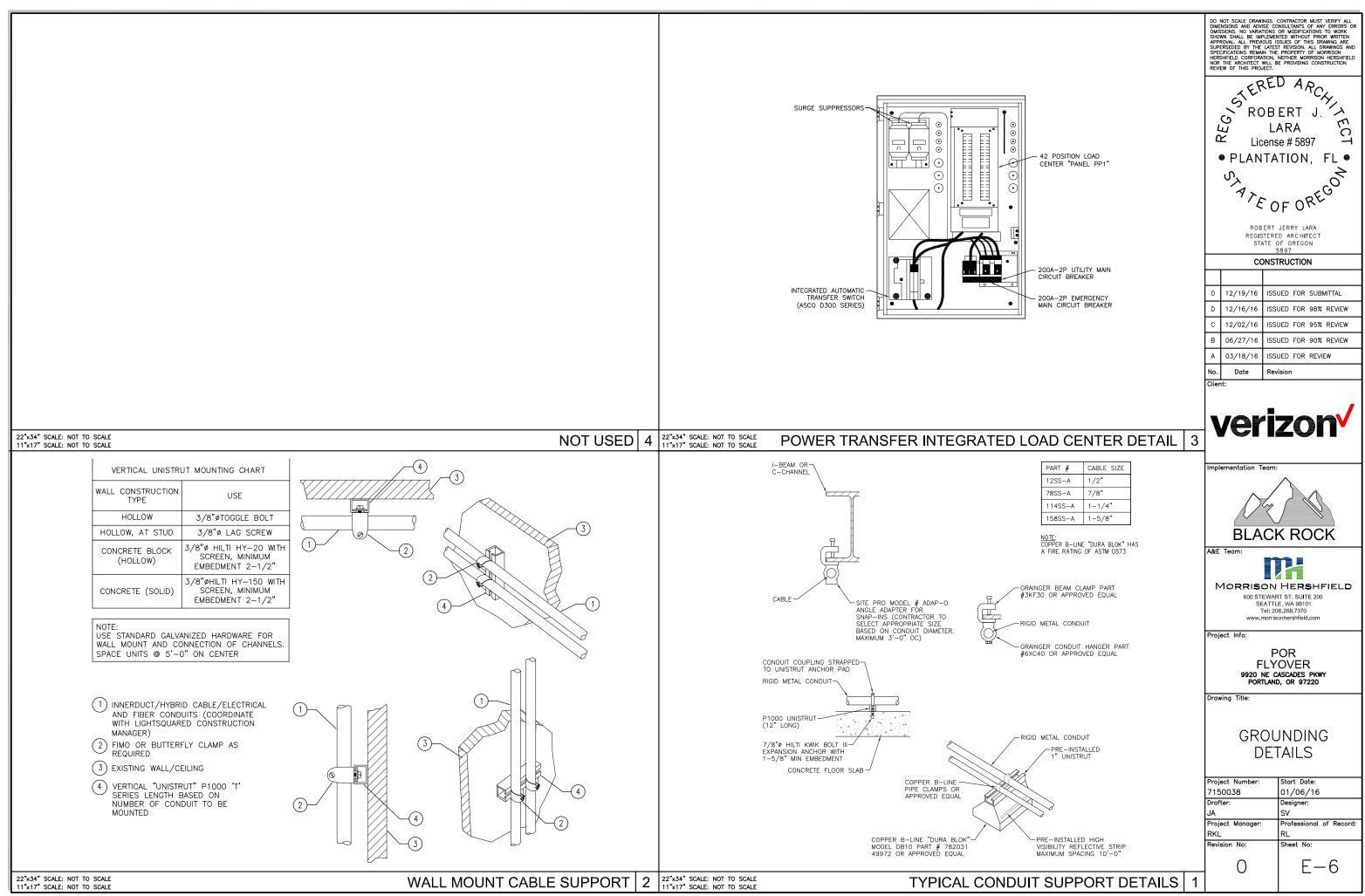
### POWER CABINET PANEL SCHEDULE (PANEL PP-1)

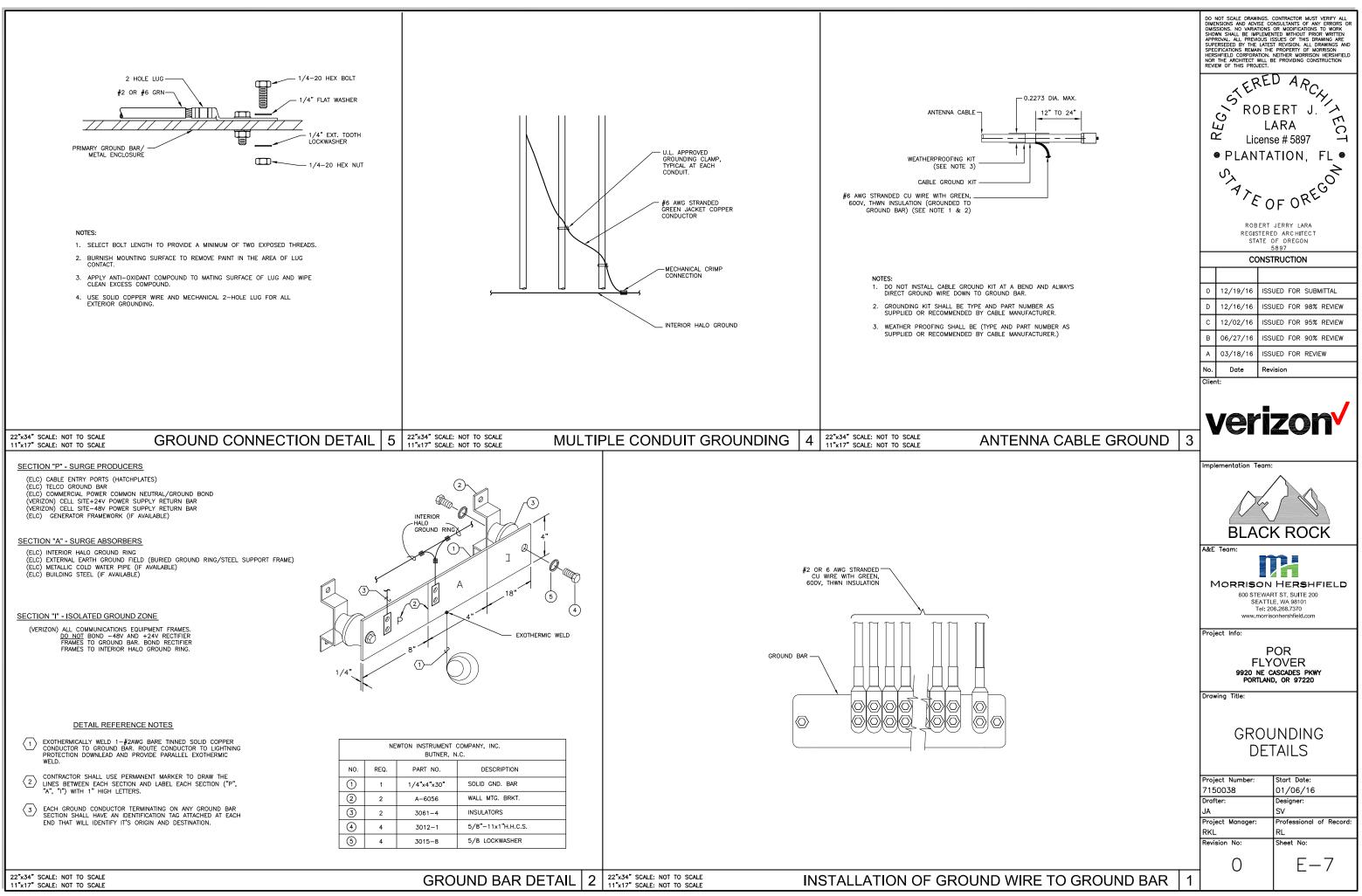
NOTES: PANEL PP-1 IS INCORPORATED INTO THE INTEGRATED LOAD CENTER (ILC).

ALL BREAKER POSITIONS TO BE POPULATED AS SHOWN ABOVE INCLUSIVE CIRCUIT BREAKERS INTENDED FOR OPTIONAL EQUIPMENT. ALL UNUSED BREAKERS TO BE LABELED "SPARE"

(\*\*) CIRCUITS ROUTED INSIDE SAME CONDUIT







# verizonv

# POR FLYOVER ROOFTOP ENCLOSURE

LOCATION:

9920 NE CASCADES PKWY PORTLAND, OR 97220 MULTNOMAH COUNTY

# DRAWING INDEX

- T1 TITLE SHEET
- S1 ELEVATION VIEW AND NOTES
- S2 PLAN VIEWS
- S3 ANTENNA LAYOUTS
- S4 DETAILS
- S5 DETAILS

### SPECIAL INSPECTIONS:

- 1. STEEL FABRICATION SHALL BE DONE ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION.
  - NO FIELD WELDING SHALL BE PERMITTED
  - THE FOLLOWING SPECIAL
  - INSPECTIONS SHALL BE REQUIRED PER CHAPTER 17 OF THE 2012 IBC:
- PERIODIC SPECIAL INSPECTION OF HIGH-STRENGTH BOLTING

### STRUCTURAL OBSERVATION:

NO STRUCTURAL OBSERVATION IS REQUIRED.

### DISCLAIMERS:

2.

ALL STRUCTURAL COMPONENTS TO BE CONNECTED TOGETHER SHALL BE COMPLETELY FIT UP ON THE GROUND OR OTHERWISE VERIFIED FOR COMPATIBILITY PRIOR TO LIFTING ANY COMPONENT INTO PLACE. REPAIRS REQUIRED DUE TO FIT-UP OR CONNECTION COMPATIBILITY PROBLEMS AFTER PARTIAL ERECTION ARE THE FINANCIAL RESPONSIBILITY OF THE CONTRACTOR.





Toll Free: 1-877-900-6789 Fax (503) 763-6280 www.steelheadmetals.com

### VERIZON

5430 NE 122ND AVE. PORTLAND, OR 97230

POR FLYOVER ROOFTOP ENCLOSURE

TITLE SHEET

9920 NE CASCADES PKWY PORTLAND, OR 97220

1-5-2017

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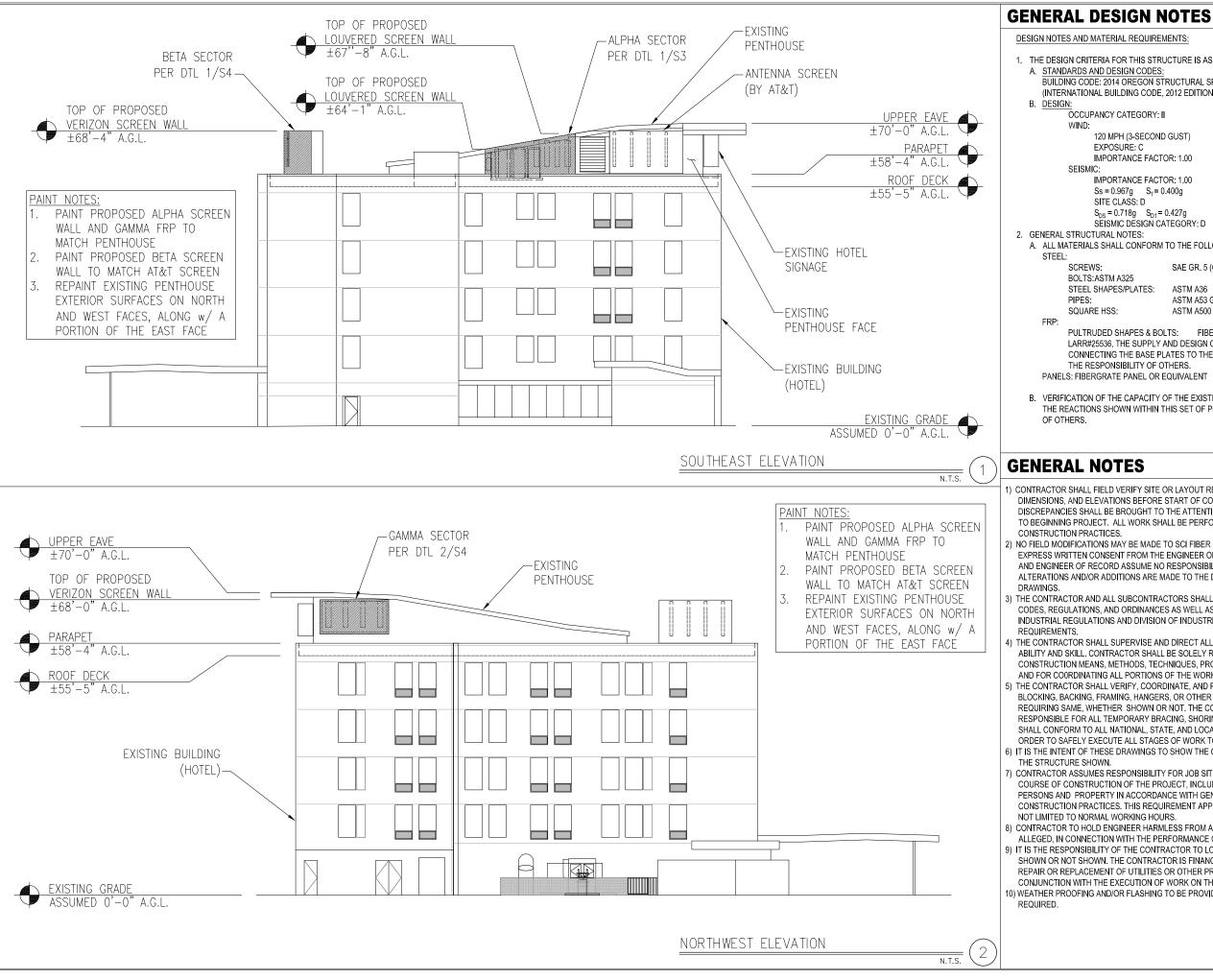
ED PROF

NGINEE

DATE: 5/6/16 DESIGNED: CMP DRAFTER: DKF REVISIONS DATE DESCRIPTION

U1133-196-161

REV



1. THE DESIGN CRITERIA FOR THIS STRUCTURE IS AS FOLLOWS: BUILDING CODE: 2014 OREGON STRUCTURAL SPECIALTY CODE (INTERNATIONAL BUILDING CODE, 2012 EDITION)

120 MPH (3-SECOND GUST) **IMPORTANCE FACTOR: 1.00** 

**IMPORTANCE FACTOR: 1.00** Ss = 0.967g  $S_1 = 0.400g$  $S_{DS} = 0.718g$   $S_{D1} = 0.427g$ SEISMIC DESIGN CATEGORY: D

A. ALL MATERIALS SHALL CONFORM TO THE FOLLOWING STANDARDS:

SAE GR. 5 (OR EQUIVALENT)

ASTM A36 ASTM A53 GR. B (35 ksi) ASTM A500 GR. B (46 ksi)

PULTRUDED SHAPES & BOLTS: FIBERGRATE DYNAFORM LARR#25536. THE SUPPLY AND DESIGN OF THE FASTENERS CONNECTING THE BASE PLATES TO THE SUPPORTING STRUCTURE IS THE RESPONSIBILITY OF OTHERS.

B. VERIFICATION OF THE CAPACITY OF THE EXISTING STRUCTURE TO SUPPORT THE REACTIONS SHOWN WITHIN THIS SET OF PLANS IS THE RESPONSIBILITY

CONTRACTOR SHALL FIELD VERIFY SITE OR LAYOUT RESTRICTIONS, SITE CONDITIONS, DIMENSIONS, AND ELEVATIONS BEFORE START OF CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF STEELHEAD, INC. PRIOR TO BEGINNING PROJECT. ALL WORK SHALL BE PERFORMED USING ACCEPTED

2) NO FIELD MODIFICATIONS MAY BE MADE TO SCI FIBER CELL PANELS WITHOUT THE EXPRESS WRITTEN CONSENT FROM THE ENGINEER OF RECORD. STEELHEAD, INC. AND ENGINEER OF RECORD ASSUME NO RESPONSIBILITY FOR THE STRUCTURE IF ALTERATIONS AND/OR ADDITIONS ARE MADE TO THE DESIGN AS SHOWN IN THESE

) THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL COMPLY WITH ALL LOCAL CODES, REGULATIONS, AND ORDINANCES AS WELL AS STATE DEPARTMENT OF INDUSTRIAL REGULATIONS AND DIVISION OF INDUSTRIAL SAFETY (OSHA)

) THE CONTRACTOR SHALL SUPERVISE AND DIRECT ALL WORK TO THE BEST OF HIS/H R ABILITY AND SKILL. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES, AND SEQUENCES, AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT. THE CONTRACTOR SHALL VERIFY, COORDINATE, AND PROVIDE ALL NECESSARY BLOCKING, BACKING, FRAMING, HANGERS, OR OTHER SUPPORTS FOR ALL ITEMS REQUIRING SAME, WHETHER SHOWN OR NOT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY BRACING, SHORING, FORMWORK, ETC., AND SHALL CONFORM TO ALL NATIONAL, STATE, AND LOCAL ORDINANCES AND CODES, IN ORDER TO SAFELY EXECUTE ALL STAGES OF WORK TO COMPLETE THIS PROJECT. 6) IT IS THE INTENT OF THESE DRAWINGS TO SHOW THE COMPLETED INSTALLATION OF

) CONTRACTOR ASSUMES RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES. THIS REQUIREMENT APPLIES CONTINUOUSLY, AND IS

3) CONTRACTOR TO HOLD ENGINEER HARMLESS FROM ANY AND ALL LIABILITY. REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES, SHOWN OR NOT SHOWN. THE CONTRACTOR IS FINANCIALLY RESPONSIBLE FOR REPAIR OR REPLACEMENT OF UTILITIES OR OTHER PROPERTY DAMAGED IN CONJUNCTION WITH THE EXECUTION OF WORK ON THIS PROJECT. 10) WEATHER PROOFING AND/OR FLASHING TO BE PROVIDED BY CONTRACTOR AS

VECTOR 138 s. STATE STREET, SUITE 101 (801)990-177 NNDY, UTAH 84070 (801)990-1776 FA (801) 990-1776 FA



P.O. Box 3850 Salem OR, 97302 Ph: (503) 763-0114 Toll Free: 1-877-900-6789 Fax (503) 763-6280 www.steelheadmetals.com

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### U1133-196-161

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