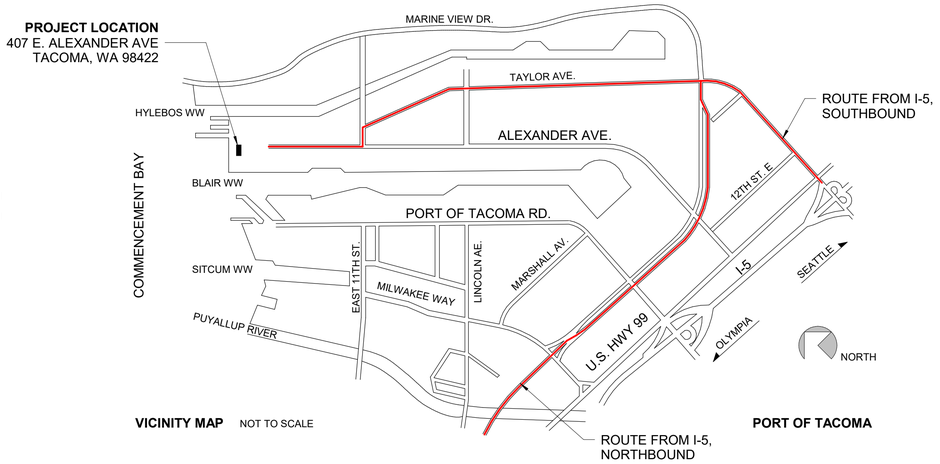
PORT OF TACOMA

EBC SILVERBACK TEMPORARY RELOCATION
PROJECT NO. 101686.01
CONTRACT NO. POT-PA-000000292



DEFERRED SUBMITTALS:
- PRE-ENGINEERED METAL BUILDING SYSTEM
- MODULAR OFFICE AND RESTROOM TRAILERS
- SITE FENCING
- SITE SAFETY PLAN

PRE-ENGINEERED METAL BUILDING SYSTEM:
CONTRACTOR SHALL SUBMIT ALL REQUIRED DEFERRED PERMIT SUBMITTAL DOCUMENTS FOR PRE-ENGINEERED METAL BUILDING SYSTEMS, INCLUDING STRUCTURAL DETAILS AND CALCULATIONS . CALCULATIONS AND DETAILS SHALL BE STAMPED BY A WASHINGTON STATE LICENSED ENGINEER. REFER TO SPECIFICATION SECTION **13 34 19 - METAL BUILDING SYSTEMS.**

WSEC BUILDING ENVELOPE COMPLIANCE:
HEATING SYSTEMS HAVE BEEN DESIGNED TO MEET THE REQUIREMENTS FOR A LOW ENERGY BUILDING PER C402.1.1.1. THE BUILDING IS EXEMPT FROM THE ENERGY CODE PROVISIONS OF SECTION C402.

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TACOMA, WA 98422
DRAWING SCALE: 3" = 1'-0"

EBC SILVERBACK
TEMPORARY RELOCATION
-
COVER SHEET

SECTION: 27 | RANGE: 03 | TOWNSHIP: 21 | RANGE: 03
VERT: | DAT-HRZ: WA83-SF | TOWNSHIP: 21 | RANGE: 03
PARCEL: | PARCEL:

6710
G1.0
1 OF 38

CONT/CONS: 000000292
M. ID: 101686.01
PHASE: BID SET

GENERAL NOTES

1. DRAWINGS HAVE BEEN PREPARED USING AVAILABLE RECORD DOCUMENTS AND OTHER INFORMATION SUBMITTED, IN PART, BY OTHERS. WHILE THE INFORMATION USED IS BELIEVED TO BE RELIABLE, THE ENGINEER HAS NOT VERIFIED ACCURACY AND/OR COMPLETENESS OF THE INFORMATION, AND IS NOT RESPONSIBLE FOR ITS ACCURACY, NOR FOR ERRORS/OMISSIONS WHICH MAY BE INCORPORATED INTO THIS DOCUMENT AS A RESULT.

2. CONTRACTOR TO VERIFY ALL DIMENSIONS, MEASUREMENTS AND CONDITIONS IN THE FIELD BEFORE BEGINNING WORK. ANY DISCREPANCIES, ERRORS OR OMISSIONS TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.

3. THE ENGINEER WILL HAVE A REPRESENTATIVE ON SITE, PART-TIME TO OBSERVE THE CONSTRUCTION FOR COMPLIANCE WITH THE DESIGN INTENT AND TO ASSIST THE CONTRACTOR IN RESOLVING VARIATIONS IN THE EXISTING CONSTRUCTION. THESE DOCUMENTS ADDRESS ALL KNOWN CONDITIONS, BUT IT IS ANTICIPATED THAT HIDDEN CONDITIONS WILL BE ENCOUNTERED DURING CONSTRUCTION. THE ENGINEER WILL OBSERVE ALL SUCH HIDDEN CONDITIONS AND ISSUE ADDITIONAL CLARIFICATIONS OR MODIFICATIONS TO THE DESIGN IN ORDER TO ADDRESS SUCH CONDITIONS, AND WILL DOCUMENT ALL CHANGES.

4. UNLESS OTHERWISE NOTED, ALL ANGLES TO BE RIGHT ANGLES, ALL LINES WHICH APPEAR PARALLEL ARE TO BE PARALLEL, AND ALL ITEMS WHICH APPEAR CENTERED ARE TO BE CENTERED. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THAT ALL LINES TRUE, LEVEL, PLUMB AND SQUARE.

5. DETAILED AND/OR LARGER SCALE DRAWINGS TAKE PRECEDENCE OVER GENERAL AND SMALLER SCALE DRAWINGS. POSTED DIMENSIONS WILL TAKE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR TO VERIFY SCALED DIMENSIONS WITH ENGINEER BEFORE PROCEEDING WITH WORK.

6. ALL ATTACHMENTS, CONNECTIONS AND FASTENINGS OF ANY NATURE ARE TO BE PROPERLY AND PERMANENTLY SECURED IN CONFORMANCE WITH THE BEST PRACTICES OF THE BUILDING INDUSTRY. DRAWINGS SHOW ONLY SPECIAL DETAILS OR REQUIREMENTS TO ASSIST THE CONTRACTOR AND DO NOT SHOW EVERY DETAIL.

7. DETAILS SHOWN IN THESE DRAWINGS ARE TYPICAL AND WILL APPLY UNLESS OTHERWISE NOTED OR SHOWN. DETAILS OF CONSTRUCTION NOT FULLY SHOWN ARE TO BE OF THE SAME NATURE AS THOSE DRAWN FOR SIMILAR CONDITIONS.

8. CONTRACTOR TO COORDINATE ALL OPERATIONS WITH ENGINEER, INCLUDING: SITE ACCESS, MATERIALS STORAGE AND STAGING, INTERRUPTION OF ELECTRICAL, MECHANICAL, FIRE-ALARM, LOW-VOLTAGE SERVICES AND TIMING OF NOISY OR DISRUPTIVE OPERATIONS. CONTRACTOR TO VERIFY SEQUENCE OF WORK WITH ENGINEER.

9. ALL LUMBER OR PLYWOOD IN CONTACT WITH CONCRETE OR LUMBER INSTALLED AS NAILERS (EXCEPT PLYWOOD DECK OR CRICKETS) SHALL BE PRESSURE-TREATED WITH WATER-BORNE PRESERVATIVES.

10. ALL WORK TO BE PERFORMED IN COMPLIANCE WITH ALL APPLICABLE CODES, LAWS AND REGULATIONS OF AUTHORITIES HAVING JURISDICTION OVER THE WORK.

SCOPE OF WORK

1. PROCURE AND INSTALL NEW PRE-ENGINEERED BUILDING (PEMB). COORDINATE SUBMITTAL OF PEMB TO THE CITY OF TACOMA AS A DEFERRED SUBMITTAL.

2. PROCURE AND INSTALL TWO MODULAR TOILET ROOM BUILDINGS. COORDINATE SUBMITTAL OF THE TWO MODULARS WITH THE CITY OF TACOMA AS A DEFERRED PERMIT.

3.PROCURE AND INSTALL TWO OFFICE MODULAR BUILDINGS. COORDINATE SUBMITTAL OF THE TWO MODULARS WITH THE CITY OF TACOMA AS A DEFERRED PERMIT.

4. SITE PREPARATION AS SHOWN.

ABBREVIATIONS

A	----------
A/E	ARCHITECT/ENGINEER
AB	ANCHOR BOLT
ABV	ABOVE
ACC	ACCESSIBLE
ACS DR	ACCESS DOOR
ACS PNL	ACCESS PANEL
ACT	ACOUSTICAL CEILING TILE
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
AIB	AIR INFILTRATION BARRIER
ALT	ALTERNATE
ALUM	ALUMINUM
ANOD	ANODIZED
APPROX	APPROXIMATE
ARCH	ARCHITECT
ASSY	ASSEMBLY
AVG	AVERAGE
B	----------
BD	BOARD
BLDG	BUILDING
BLKG	BLOCKING
BOS	BOTTOM OF STEEL
BOT	BOTTOM
BP	BUILDING PAPER
BRKT	BRACKET
BTWN	BETWEEN
BUR	BUILT-UP ROOFING
C	----------
CFLSH	COUNTERFLASHING
CFMF	COLD-FORMED METAL FRAMING
CIP	CAST-IN-PLACE
CJ	CONTROL JOINT
CL	CENTER LINE
CLG	CEILING
CLG HT	CEILING HEIGHT
CLR	COLOR
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
COORD	COORDINATE
CTR	CENTER
CU FT	CUBIC FEET
D	----------
DBL	DOUBLE
DEMO	DEMOLISH
DET	DETAIL
DIA	DIAMETER
DIR	DIRECTION
DIST	DISTANCE
DS	DOWNSPOUT
E	----------
E	EXISTING
EA	EACH
EJ	EXPANSION JOINT
ELEV	ELEVATOR
EPS	EXPANDED POLYSTYRENE
EQ	EQUAL
EXIST	EXISTING
EXP	EXPOSED
EXT	EXTERIOR

F	----------
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FF INSUL	FOIL FACED INSULATION
FFSAM	FOIL FACED SELF-ADHERED MEMBRANE
FIN	FINISH
FIN FLR	FINISH FLOOR
FLR	FLOOR
FM	FACTORY MUTUAL
FPA	FALL PROTECTION ANCHOR
FR	FIRE RESISTANT
FRMG	FRAMING
FSTNR	FASTENER
FT	FEET
FTG	FOOTING
FV	FIELD VERIFY
G	----------
GALV	GALVANIZED
GB	GRAB BAR
GFRG	GLASS-FIBER-REINFORCED GYPSUM
GLZ	GLAZING
GTR	GUTTER
GYP BD	GYPSUM BOARD
GYP PLAS	GYPSUM PLASTER
GWB	GYPSUM WALL BOARD
H	----------
HDPE	HIGH DENSITY POLYETHYLENE
HDW	HARDWARE
HEPA	HIGH EFFICIENCY PARTICULATE AIR (FILTER)
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HTSAM	HIGH TEMP SELF-ADHERED MEMBRANE
I	----------
IBC	INTERNATIONAL BUILDING CODE
INSUL	INSULATION
INT	INTERIOR
K	----------
KIT	KITCHEN
KPL	KICKPLATE
L	----------
LAM	LAMINATE
LAV	LAVATORY
LBR	LUMBER
LBS	POUND
LF	LINEAR FEET (FOOT)
LIN	LINEAR
LT	LIGHT
LVR	LOUVER
M	----------
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MEMB	MEMBRANE
MFR	MANUFACTURER
MID	MIDDLE
MIN	MINIMUM
MIRR	MIRROR
MISC	MISCELLANEOUS
MOD	MODIFY
MB	MOISTURE BARRIER
MTL	METAL
MWP	METAL WALL PANEL

N	----------
N	NEW
NA	NOT APPLICABLE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
O	----------
OA	OVERALL
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFD	OVERFLOW DRAIN
OPNG	OPENING
OPP	OPPOSITE
OPQ	OPAQUE
OPR	OPERABLE
ORD	OVERFLOW ROOF DRAIN
ORIG	ORIGINAL
P	----------
PAR	PARAPET
PAT	PATTERN
PCT	PERCENT
PERF	PERFORATED
PERIM	PERIMETER
PH	PHASE
PL	PROPERTY LINE
PL GL	PLATE GLASS
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLBG	PLUMBING
PLYWD	PLYWOOD
PMMA	POLYMETHYL METHACRYLATE FLASHING
PNL	PANEL
PRCST	PRECAST
PREFIN	PREFINISHED
PT	PRESSURE TREATED
PVC	POLYVINYL CHLORIDE
Q	----------
QTY	QUANTITY
R	----------
RB	RESILIENT BASE
RBM	REINFORCED BRICK MASONRY
RBR	RUBBER
RC	REINFORCED CONCRETE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
RDG INS	RIGID INSULATION, SOLID
REC	RECESSED
REF	REFERENCE
REM	REMOVE
REP	REPAIR
REPL	REPLACE
REQD	REQUIRED
REST	RESTROOM
RFG	ROOFING
RH	ROOF HATCH
RL	ROOF LEADER
RLG	RAILING
RM	ROOM
RO	ROUGH OPENING
RSD	ROLLING STEEL DOOR
RTU	ROOFTOP UNIT
RV	ROOF VENT

S	----------
SAM	SELF-ADHERED MEMBRANE
SB	SPLASH BLOCK
SCHED	SCHEDULE
SF	SQUARE FOOT (FEET)
SFTWD	SOFTWOOD
SHT MTL	SHEET METAL (FLASHING)
SHTHG	SHEATHING
SIM	SIMILAR
SKLT	SKYLIGHT
SLNT	SEALANT
SPEC	SPECIFICATION
SQ	SQUARE
SQ IN	SQUARE INCH
SQ YD	SQUARE YARD
SSMR	STANDING SEAM METAL ROOF
SST	STAINLESS STEEL
STD	STANDARD
STRUCT	STRUCTURAL
SUB FL	SUBFLOOR
SV	SHEET VINYL
SW	SIDEWALK
T	----------
T&G	TONGUE & GROOVE
TC	TERRA COTTA
TD	TRENCH DRAIN
TEMP	TEMPORARY
TFF	TOP OF FINISH FLOOR
THK	THICKNESS
THRU	THROUGH
TMPD GL	TEMPERED GLASS
TN	TRUE NORTH
TOF	TOP OF FOOTING
TOM	TOP OF MASONRY
TOP	TOP OF PARAPET
TOPO	TOPOGRAPHY
TOS	TOP OF SLAB
TOW	TOP OF WALL
TRANS	TRANSOM
TRTD	TREATED
TYP	TYPICAL
U	----------
UNO	UNLESS NOTED OTHERWISE
V	----------
VAR	VARIES
VIF	VERIFY IN FIELD
VTR	VENT THROUGH ROOF
W	----------
W/	WITH
W/O	WITHOUT
WD	WOOD
WP	WATERPROOFING
WRB	WEATHER RESISTIVE BARRIER

DRAWING LEGEND & SYMBOLS

- 1 TYP. — DEMOLITION KEYNOTE
- 1 — SHEET KEYNOTE
- A — SUPPLEMENTAL KEYNOTE
- S1 — ROOF/WALL ASSEMBLY
- W1 — DOOR/WINDOW TAG
- 1 — REVISION TAG
- Room / Rm_Occupancy / 101 / 150 SF — ROOM TAG (ROOM NAME, OCCUPANCY; ROOM NUMBER, ROOM AREA)
- 0 — GRIDLINE AND GRID MARK
- 1 / A101 SIM — DETAIL MARK (DRAWING NUMBER, SHEET NUMBER)
- 1 / A101 SIM — ELEVATION/SECTION MARK (DRAWING NUMBER, SHEET NUMBER)
- NORTH — PROJECT NORTH DIRECTION
- 1 / A3.0 — PHOTO REFERENCE (PHOTO NUMBER, SHEET NUMBER)
- Name / Elevation — ELEVATION/LEVEL MARK
- DEMOLISH
- (E) EXISTING WORK
- (N) NEW WORK
- EXISTING WORK TO BE DEMOLISHED

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6273 REGISTERED ARCHITECT — JERRY D. OSBORN — STATE OF WASHINGTON

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CHECKED BY DATE

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DIRECTOR ENG. DATE

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PRINTED BY: JJM
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EBC SILVERBACK
TEMPORARY RELOCATION
-
GENERAL NOTES AND ABBREVIATIONS

6710
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2 OF 38

CONT/CONS:	000000292	TOWNSHIP: 21	RANGE: 03
M. ID:	101686.01	DAT-HRZ: WA83-SF	VERT:
PHASE:	BID SET	PARCEL:	DRAWING SCALE: As indicated

PROJECT INFORMATION:

PROJECT NAME: EBC SILVERBACK TEMPORARY RELOCATION STRUCTURE

PROJECT ADDRESS: 407 E. ALEXANDER AVE
TACOMA, WA 98422

PARCEL NUMBER: 5000350013

LEGAL DESCRIPTION: Section 27 Township 21 Range 03 Quarter 13 PORT OF TACOMA ASSESSORS TRACTS & 227520-001-1 TR 1-B DESC AS B 1 ASHTONS RPT BLKS 13-48 TAC TDLDS EXC FOLL BEG AT SE COR SD B 1 TH N 47 DEG 15 MIN W 887.14 FT TH N 42 DEG 45 MIN E 770 FT TO INT SLY LI OF ALEXANDER AVE EXT WLY TH S 47 DEG 15 MIN E 887.14 FT TH S 42 DEG 45 MIN 24 SEC W 770 FT TO POB ALSO EXC FOLL COM AT SE COR SD B 1 TH N 42 DEG 44 MIN 24 SEC E 910 FT TO NE COR SD B 1 TH N 47 DEG 15 MIN 36 SEC W 500 FT TH S 42 DEG 44 MIN 24 SEC W 910 FT TO INT WLY EXT OF NLY LI OF ALEXANDER AVE TH S 47 DEG 15 MIN 36 SEC E 500 FT TO POB EXC BLDG #580 & PIER 23 (IMP VALUE ONLY) ASSESSED AS 227520-001-2 OUT OF 001-2 SEG H-0668 JU 3/6/96JU.

PROJECT DESCRIPTION: CONSTRUCT A NEW, LOW-ENERGY PRE-ENGINEERED METAL BUILDING USED FOR THE FABRICATION AND MANUFACTURING OF MARINE VESSELS. SUPPLY AND INSTALL TWO MODULAR OFFICE BUILDINGS AND ONE MODULAR RESTROOM FACILITY.

JURISDICTION: CITY OF TACOMA
PLANNING AND DEVELOPMENT SERVICES
747 MARKET STREET, 3RD FLOOR
TACOMA, WA 98402
P. (253) 591-5030

BUILDING CODES: 2021 INTERNATIONAL BUILDING CODE WITH CITY OF TACOMA AMENDMENTS (IBC)
2021 WASHINGTON STATE BUILDING CODE
2021 INTERNATIONAL EXISTING BUILDING CODE (IEBC)
2021 WASHINGTON STATE ENERGY CODE (WSEC); WAC 51-11C (COMMERCIAL)
2021 INTERNATIONAL MECHANICAL CODE
2021 INTERNATIONAL FIRE CODE
2021 WASHINGTON STATE FIRE CODE
2021 UNIFORM PLUMBING CODE
2023 WASHINGTON ELECTRICAL CODE (NFPA 70)
TACOMA MUNICIPAL CODE, TITLES 2 AND 3

CONSTRUCTION TYPE: TYPE II-B

SQUARE FEET: 11,947 SQFT

OCCUPANCY: F-1, MODERATE-HAZARD FACTORY INDUSTRIAL

FIRE SPRINKLERS: NON-SPRINKLERED

DEFERRED SUBMITTALS & SEPARATE PERMITS:
- PRE-ENGINEERED METAL BUILDING ENGINEERING
- MANUFACTURED AND MODULAR STRUCTURES
- PERIMETER SITE FENCING

APPLICANT CONTACT INFORMATION:

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BUILDING CODE SUMMARY: PEMB

CHAPTER 3 - OCCUPANCY CLASSIFICATION AND USE:

306.2 - OCCUPANCY CLASSIFICATION:
F-1, MODERATE-HAZARD FACTORY INDUSTRIAL

CHAPTER 5 - GENERAL BUILDING HEIGHTS AND AREAS:

502.1 - ADDRESS IDENTIFICATION:
BUILDING ADDRESS SIGNAGE TO BE POSTED ON THE EAST ELEVATION, ADDRESS NUMBERING TO BE COORDINATED WITH THE PORT OF TACOMA. ADDRESS CHARACTERS TO HAVE A MINIMUM HEIGHT OF 4" ON A CONTRASTING BACKGROUND.

504.3 - ALLOWABLE BUILDING HEIGHT:
PER TABLE 504.3 (F-1, NS, TYPE II-B) = 55'-0" HEIGHT ALLOWED.
PROPOSED BUILDING HEIGHT = 27'-6" (**COMPLIES**)

504.4 - ALLOWABLE NUMBER OF STORIES:
PER TABLE 504.4 (F-1, NS, TYPE II-B) = 2 STORIES ALLOWED.
PROPOSED NUMBER OF STORIES = 1 STORY (**COMPLIES**)

506.2 - ALLOWABLE BUILDING AREA:
PER TABLE 506.2 (F-1, NS, TYPE II-B) = 15,500 SQUARE FEET ALLOWED.
PROPOSED BUILDING AREA = 11,947 SQUARE FEET (**COMPLIES**)

519 - INCIDENTAL USES:
NOT APPLICABLE, NONE PROPOSED.

BUILDING CODE SUMMARY (CONTINUED):

CHAPTER 6 - TYPES OF CONSTRUCTION:

601 - REQUIRED FIRE RESISTANCE RATING FOR BUILDING ELEMENTS:

PER TABLE 601 (TYPE II-B)	REQUIRED:	PROPOSED:
• PRIMARY STRUCTURAL FRAME:	0 HOURS	0 HOURS
• BEARING WALLS (INTERIOR & EXTERIOR):	0 HOURS	0 HOURS
• NON-BEARING WALLS AND PARTITIONS:	0 HOURS	0 HOURS
• FLOOR CONSTRUCTION:	0 HOURS	0 HOURS*
• ROOF CONSTRUCTION & SECONDARY MEMBERS:	0 HOURS	0 HOURS

**FLOOR CONSISTS OF AN EXISTING CONCRETE SLAB ON GRADE.*

602 - CONSTRUCTION CLASSIFICATION:
TYPE II-B, NON-COMBUSTIBLE BUILDING ELEMENT MATERIALS PER SECTION 602.2 (METAL BUILDING).

603 - COMBUSTIBLE MATERIALS ALLOWED IN TYPE I AND II CONSTRUCTION.
LIMITED TO THE ALLOWED MATERIALS LISTED IN SECTION 603.1.

603.1.2 - THERMAL INSULATION TO HAVE FLAME SPREAD INDEX OF NO MORE THAN 25.

CHAPTER 7 - FIRE AND SMOKE PROTECTION FEATURES:

705.3 - BUILDINGS ON THE SAME LOT:
WHERE A NEW BUILDING IS TO BE ERECTED ON THE SAME LOT AS AN EXISTING BUILDING, THE LOCATION OF THE ASSUMED IMAGINARY LINE WITH RELATION TO THE EXISTING BUILDING SHALL BE SUCH THAT THE EXTERIOR WALL AND OPENING PROTECTION OF THE EXISTING BUILDING MEET THE CRITERIA AS SET FORTH IN SECTIONS **705.5 AND 705.8**.

705.5 - FIRE RESISTANCE RATINGS:
PER TABLE 705.5 (TYPE II-B, F-1), SEPARATION DISTANCE OF 10 ≤ X < 30 = **0 HOUR RATING REQUIRED**.

A MINIMUM FIRE SEPARATION DISTANCE OF 20' WILL BE MAINTAINED FROM BUILDINGS ON THE LOT. EXISTING STRUCTURES INCLUDING AN ELECTRICAL EQUIPMENT SHED AND MODULAR OFFICE TRAILERS WILL BE DEMOLISHED OR RELOCATED TO MAINTAIN REQUIRED SEPARATION PRIOR TO OCCUPANCY, SEE SITE PLAN FOR ADDITIONAL DETAILS. RELOCATION AND DEMOLITION WORK TO BE COORDINATED BY THE PORT OF TACOMA UNDER A SEPARATE CONTRACT AND SEPARATE PERMIT.

705.8 - OPENINGS:
MAXIMUM AREA OF EXTERIOR WALL OPENINGS PER TABLE 705.8.
FIRE SEPARATION DISTANCE OF 20-25 FEET, UNPROTECTED, UNSPRINKLERED = 45% ALLOWED.
- PROPOSED EXTERIOR WALL AREA: 9,362 SQUARE FEET
- PROPOSED WALL OPENING AREA: 1,237 SQUARE FEET
- 1,237 SQFT / 9,362 SQFT = 13.2% (**COMPLIES**)

CHAPTER 9 - FIRE PROTECTION AND LIFE SAFETY SYSTEMS:

903 - AUTOMATIC SPRINKLER SYSTEMS:
PER 903.2.41, SPRINKLERS REQUIRED IF FIRE AREA EXCEEDS 12,000 SQUARE FEET IN F-1 OCCUPANCY.
PROPOSED FLOOR AREA = 11,947 SQUARE FEET. **11,947 SQFT < 12,000 SQFT = SPRINKLERS NOT REQUIRED**.

906 - PORTABLE FIRE EXTINGUISHERS:
PORTABLE FIRE EXTINGUISHERS REQUIRED IN F OCCUPANCY PER SECTION 906.1. ADDITIONAL PORTABLE FIRE EXTINGUISHERS REQUIRED PER TABLE 906.1 - MANUFACTURING ESTABLISHMENTS (IFC 5706.5.4.5).

TABLE 906.3(1) - ORDINARY (MODERATE) HAZARD OCCUPANCY = 1,500 SQFT PER UNIT OF "A".
- 2-A EXTINGUISHERS PROVIDED = 2 X 1,500 SQFT = 3,000 SQFT PER EXTINGUISHER.
- 11,947 SQUARE FEET TOTAL FLOOR AREA / 3,000 SQFT = 3.98 (**4 EXTINGUISHERS REQUIRED**).
- MAXIMUM TRAVEL DISTANCE TO EXTINGUISHER = **75 FEET**.

CHAPTER 9 - CONTINUED:
PORTABLE FIRE EXTINGUISHER LOCATIONS ARE INDICATED ON THE FLOOR PLAN ON SHEET A1.1.

907 - FIRE ALARM AND DETECTION SYSTEMS:
907.1.2 - FIRE ALARM SHOP DRAWINGS: SHOP DRAWINGS TO BE PREPARED IN ACCORDANCE WITH NFPA 72 AND SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.

907.2.4 - WHERE REQUIRED (GROUP F OCCUPANCY): MANUAL FIRE ALARM REQUIRED IF TWO OR MORE STORIES IN HEIGHT, AND OCCUPANT LOAD GREATER THAN 500.

REFER TO ELECTRICAL DRAWINGS FOR FIRE ALARM SYSTEM DRAWINGS PER SECTION 907.1.2.

CHAPTER 10 - MEANS OF EGRESS:

1004 - OCCUPANT LOAD:
TABLE 1004.5 - AREAS WITHOUT FIXED SEATING: INDUSTRIAL AREAS, OCCUPANT LOAD FACTOR = 100 GROSS
11,947 SQFT GROSS FLOOR AREA / 100 OLF = 119.47 (**120 OCCUPANTS**)

1006 - NUMBER OF EXITS AND EXIT ACCESS DOORWAYS:
TABLE 1006.2.1: OCCUPANT LOAD EXCEEDS 49 = MORE THAN ONE EXIT REQUIRED (**7 PROVIDED**)

1017 - EXIT ACCESS TRAVEL DISTANCE:
TABLE 1017.2: F-1, NON SPRINKLERED = 200 FEET MAXIMUM TRAVEL DISTANCE (**COMPLIES**)

CHAPTER 29 - PLUMBING SYSTEMS:

2902 - MINIMUM PLUMBING FACILITIES:
TABLE 2902.1 - MINIMUM NUMBER OF FIXURES: F-1 OCCUPANCY, 120 OCCUPANTS.
- WATER CLOSETS: 1 PER 100 = 2 REQUIRED
- LAVATORIES: 1 PER 100 = 2 REQUIRED

RESTROOM TRAILER INCLUDING THE MINIMUM NUMBER OF FIXTURES NOTED ABOVE TO BE INCLUDED UNDER THIS CONTRACT UNDER SEPARATE PERMIT AS A DEFERRED SUBMITTAL. SEE A1.0 FOR LOCATION.

2902.3.3 - LOCATION OF TOILET FACILITIES IN OCCUPANCIES OTHER THAN MALLS:
PATH OF TRAVEL SHALL NOT EXCEED A DISTANCE OF 500 FEET (**COMPLIES**).

ENERGY CODE SUMMARY (WSEC-C):

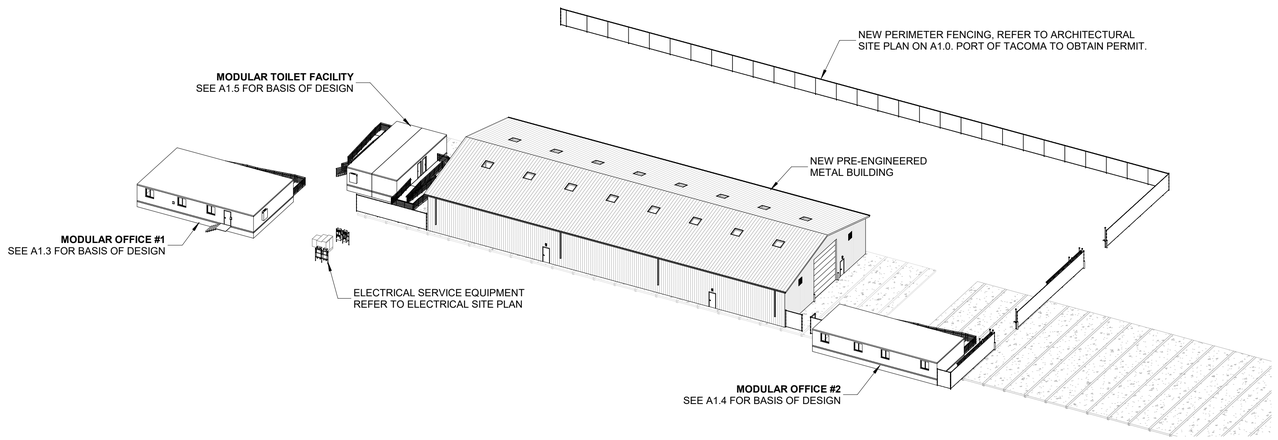
CHAPTER 4 [CE] - COMMERCIAL ENERGY EFFICIENCY:

C402.1.1.1 - LOW ENERGY BUILDINGS:
THE FOLLOWING BUILDINGS, OR ENCLOSED PORTIONS THEREOF, SEPARATED FROM THE REMAINDER OF THE BUILDING BY BUILDING THERMAL ENVELOPE ASSEMBLIES COMPLYING WITH THIS CODE SHALL BE EXEMPT FROM ALL THERMAL ENVELOPE PROVISIONS OF THIS CODE

1. THOSE THAT ARE HEATED AND/OR COOLED WITH A PEAK DESIGN RATE OF ENERGY USAGE LESS THAN 3.4 BTU/H × FT2 (10.7 W/M2) OR 1.0 WATT/FT2 (10.7 W/M2) OF FLOOR AREA FOR SPACE CONDITIONING PURPOSES

HEATING SYSTEMS HAVE BEEN ENGINEERED TO MEET THE REQUIREMENTS FOR A LOW ENERGY BUILDING PER C402.1.1.1, REFER TO THE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION. THE PROJECT IS EXEMPT FROM THERMAL ENVELOPE PROVISIONS OF SECTION C402.

C402.5 - AIR LEAKAGE (THERMAL ENVELOPE):
EXEMPT PER C402.1.1.1.



1 / G1.2 ISOMETRIC SITE PLAN (FOR REFERENCE ONLY)
NTS

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6273
JERRY D. OSBORN
STATE OF WASHINGTON

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TACOMA, WA 98422

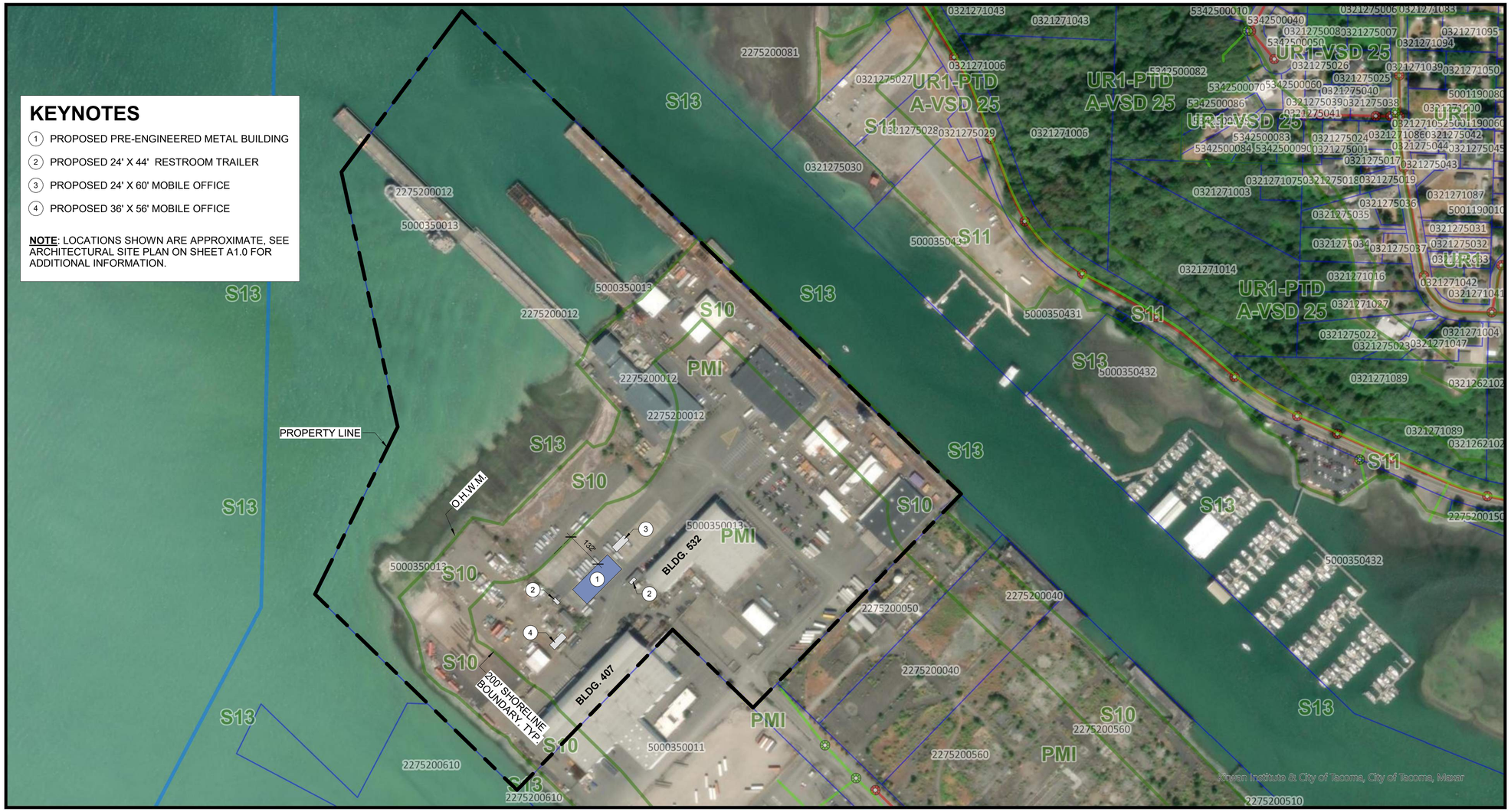
APPROVED:

EBC SILVERBACK TEMPORARY RELOCATION - CODE ANALYSIS

CONT/CONS: 000000292	TOWNSHIP: 21	RANGE: 03	SECTION: 27
M. ID: 101686.01	DAT-HRZ: WA83-SF	VERT:	DRAWING SCALE:
PHASE: BID SET	PARCEL:		

6710
G1.2
3 OF 38

EBC OVERALL SITE PLAN



tacomaMAP
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Last Printed: 5/22/2025 4:13 PM

0 75 150 300 450 600
ft

PROJECT NORTH

* This map is not suitable for site-specific analysis or for utility location *
See full disclaimer below:
http://geohub.cityoftacoma.org/pages/disclaimer

N

1 G1.3 ZONING SITE PLAN
1" = 200'-0"

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APPROVED:

EBC SILVERBACK
TEMPORARY RELOCATION
-
SITE PLAN

DIRECTOR ENG.	DATE	PROJ. ENGR	
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PORT ADDRESS:	407 E. ALEXANDER AVE		
	TACOMA, WA. 98422		
DRAWING SCALE:	1" = 200'-0"		

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PHASE:	BID SET	DAT-HRZ: WA83-SF	VERT:
PARCEL:			

6710
G1.3
4 OF 38

293' -0" (V.I.F.)

8' HIGH CHAIN LINK FENCE WITH SURFACE MOUNTED POSTS AT 8'-0" MAX. ON CENTER. PROVIDE PRIVACY SLATS AND BLACK MESH PRIVACY COVERING, TYP.

3 / A5.1

100' - 0"

28' - 0"

CONTRACTOR APPROX. STAGING AREA

55' - 0"

APPROXIMATE FOOTPRINT OF RELOCATED (E) MODULAR BUILDING BY OTHERS, MAINTAIN MINIMUM 20'-0" FIRE SEPARATION DISTANCE FROM (N) RESTROOM TRAILER. UTILITY CONNECTIONS TO BE PROVIDED BY OTHERS.

130' - 0"

METAL BOLLARD EACH SIDE

6 / A5.1

20'-0" CHAIN LINK ROLLING GATE

(E) CHAIN LINK FENCE TO REMAIN

1 / A1.5

MIN. 54' - 3" SEPARATION

A

B

MODULAR TOILET FACILITY
SEE A1.5 FOR BASIS OF DESIGN

20' - 0" OVERHEAD DOOR

20' - 0" OVERHEAD DOOR

33' - 9"

CENTER FENCE POST ON (E) EMBEDDED WIDE FLANGE BEAM

METAL BOLLARD EACH SIDE, TYP.

EXTEND ELECTRICAL SERVICE TO MODULAR TOILET TRAILERS. SEE ELECTRICAL SITE PLAN. FOR BIDDING PURPOSES, INCLUDE TWO (2) CONNECTIONS. VERIFY WITH MODULAR MANUFACTURER.

(E) MODULAR BUILDING TO BE RELOCATED BY OTHERS, N.I.C.

CONTRACTOR TO CONNECT MODULAR TOILET TRAILER TO EXISTING SEWER AND DOMESTIC WATER CONNECTION. APPROXIMATE LOCATION SHOWN, VERIFY IN FIELD.

CONTRACTOR TO CONNECT MODULAR OFFICE TRAILER #1 TO EXISTING SEWER AND DOMESTIC WATER CONNECTION. APPROXIMATE LOCATION SHOWN, VERIFY IN FIELD.

C

6

D

1

NEW PRE-ENGINEERED METAL BUILDING
SEE A1.1 FOR FLOOR PLAN
11,947 SQFT

70' - 0"

OUTSIDE FACE OF PEMB COLUMN

20' - 0" OVERHEAD DOOR

20' - 0" DRIVE AISLE

20'-0" CHAIN LINK ROLLING GATE

170' - 0"

MIN. 20' FIRE SEPARATION

MODULAR OFFICE #2
SEE A1.4 FOR BASIS OF DESIGN

(N) ECOLOGY BLOCKS

5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

7

4'-0" WALK GATE

1 / A1.4

1 / A1.3

MODULAR OFFICE #1
SEE A1.3 FOR BASIS OF DESIGN

7

(E) SS

(E) SSMH

20' - 0" (V.I.F.)

8' - 0" (V.I.F.)

4

5

1

3

2

4

NOTE: EXISTING ELECTRICAL SHED TO BE DEMOLISHED UNDER SEPARATE CONTRACT AND PERMIT. SHOWN FOR REFERENCE ONLY TO DEMONSTRATE COMPLIANCE WITH REQUIRED FIRE SEPARATION DISTANCE.

EXTEND ELECTRICAL SERVICE TO MODULAR OFFICE TRAILER, SEE ELECTRICAL SITE PLAN

GENERAL BIDDING NOTE:
MODULAR OFFICES AND RESTROOM TRAILER TO BE SUBMITTED TO THE CITY OF TACOMA BY THE CONTRACTOR AS A DEFERRED SUBMITTAL.

EBC BUILDING 532
(N.I.C.)

SITE PLAN KEYNOTES

1. (E) TRANSFORMER TO REMAIN.
2. (E) METER AND DISCONNECT TO REMAIN.
3. (E) ECOLOGY BLOCKS TO REMAIN.
4. (E) POWER POLE TO REMAIN.
5. (N) ELECTRICAL METER AND DISCONNECT PER ELECTRICAL DRAWINGS.
6. PROCURE AND INSTALL MODULAR TOILET FACILITY AND ACCESSIBLE RAMP UNDER DEFERRED PERMIT, REFER TO BASIS OF DESIGN DRAWINGS.
7. PROCURE AND INSTALL MODULAR OFFICE BUILDING AND ACCESSIBLE RAMP UNDER DEFERRED PERMIT, REFER TO BASIS OF DESIGN DRAWINGS.

LEGEND

- (E) CONCRETE PAD WITH EMBEDDED WIDE FLANGE STEEL BEAMS AT 10'-0" ON CENTER, UNLESS NOTED OTHERWISE
- (E) CONSTRUCTION TO BE DEMOLISHED BY OTHERS, N.I.C.
- CONTRACTOR STAGING AREA
- (E) CHAIN LINK FENCE TO REMAIN, UNLESS NOTED OTHERWISE
- MODULAR BUILDING ELECTRICAL SERVICE CONNECTION POINT, VERIFY WITH APPROVED MODULAR SHOP DRAWINGS, TYP.

1 / A1.0
ARCHITECTURAL SITE PLAN
1/16" = 1'-0"

NORTH

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6273
JERRY D. OSBORN
STATE OF WASHINGTON

EBC SILVERBACK TEMPORARY RELOCATION
- ARCHITECTURAL SITE PLAN

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PHASE:	BID SET	PARCEL:		

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5 OF 38

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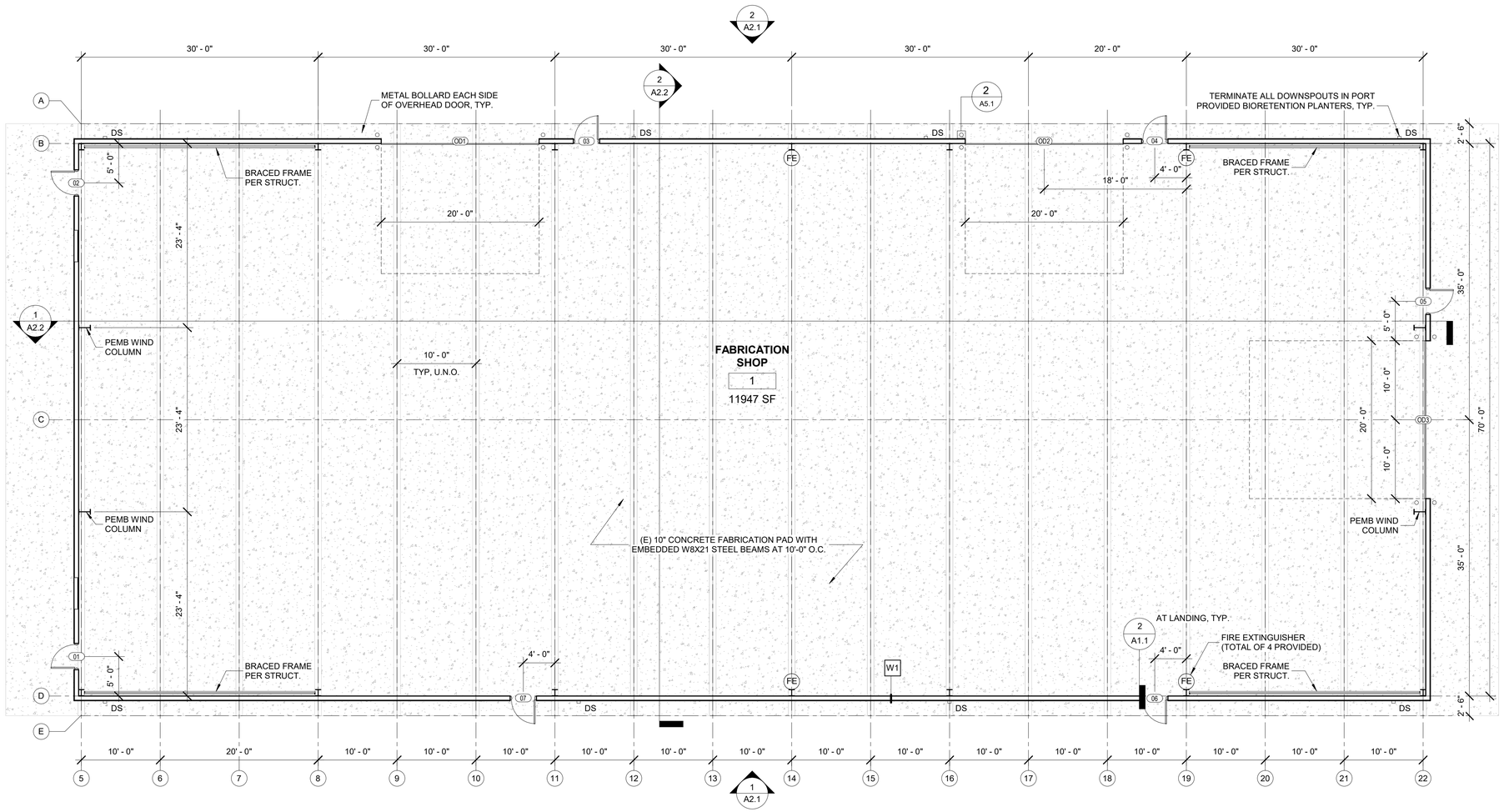
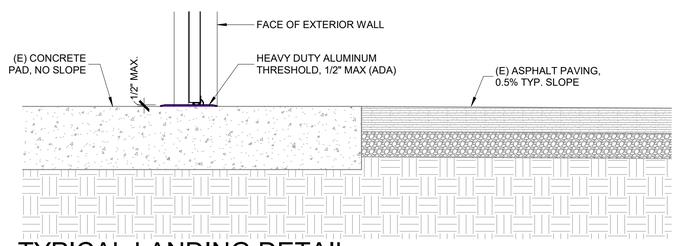


1 A1.1 METAL BUILDING FLOOR PLAN

1/8" = 1'-0"



2 A1.1 TYPICAL LANDING DETAIL

1" = 1'-0"

NORTH

GENERAL NOTES

A. STRUCTURAL FRAMING AND CONNECTION DETAILS TO BE DESIGNED BY THE PRE-ENGINEERED METAL BUILDING MANUFACTURER. REFER TO STRUCTURAL DRAWINGS FOR DESIGN LOADS.

B. CONTRACTOR IS RESPONSIBLE FOR SUBMISSION OF ALL DEFERRED SUBMITTALS TO THE AUTHORITY HAVING JURISDICTION FOR REVIEW AND APPROVAL.

C. COORDINATE AND VERIFY ALL DIMENSIONS WITH THE APPROVED PRE-ENGINEERED METAL BUILDING (PEMB) SHOP DRAWINGS.

D. PROVIDE SHEET METAL TRIM AT PERIMETER OF ALL EXTERIOR OPENINGS. STANDARD BASE, CORNER, AND J-TRIM PROFILES TO BE PROVIDED BY THE PEMB MANUFACTURER. INCLUDE ALL CLOSURES FOR A COMPLETE AND WEATHERTIGHT INSTALL.

E. REFER TO MECHANICAL AND ELECTRICAL SHEETS FOR ITEMS NOT SHOWN THIS SHEET INCLUDING BUT NOT LIMITED TO FIXTURES, POWER RECEPTACLES SWITCHES, ELECTRICAL EQUIPMENT, AND THE LIKE.

F. CONTRACTOR SHALL PROVIDE ALL BACKING AND FRAMING SUPPORTS AS NEEDED TO MOUNT AND INSTALL FIXTURES AND EQUIPMENT.

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METAL BUILDING FLOOR PLAN

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M. ID: 101686.01	DAT–HRZ: WA83–SF	VERT:	DRAWING SCALE: As indicated
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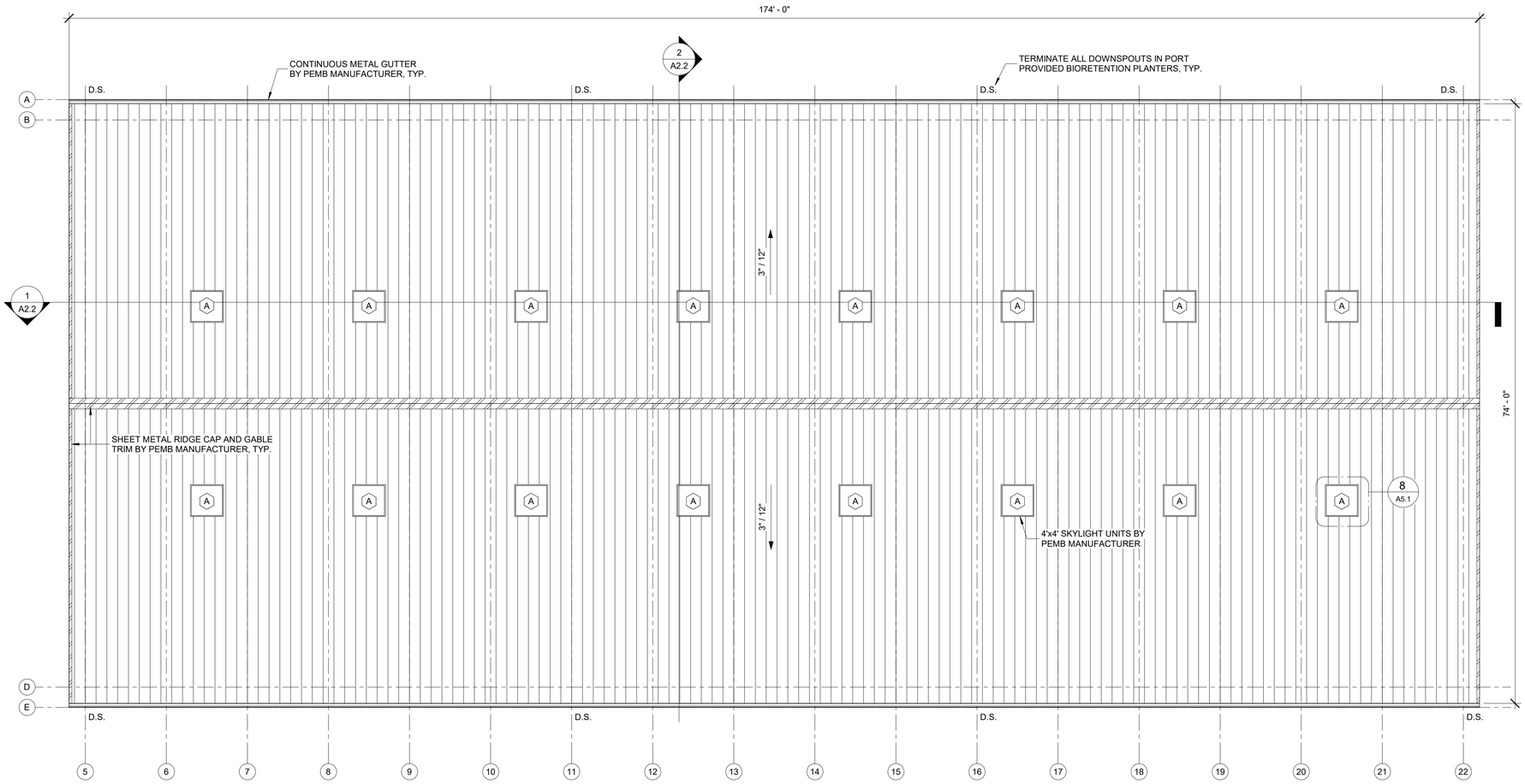

1 A1.2 METAL BUILDING ROOF PLAN

1/8" = 1'-0"

GENERAL NOTES

A. STRUCTURAL FRAMING AND CONNECTION DETAILS TO BE DESIGNED BY THE PRE-ENGINEERED METAL BUILDING MANUFACTURER. REFER TO STRUCTURAL DRAWINGS FOR DESIGN LOADS.

B. CONTRACTOR IS RESPONSIBLE FOR SUBMISSION OF ALL DEFERRED SUBMITTALS TO THE AUTHORITY HAVING JURISDICTION FOR REVIEW AND APPROVAL.

C. COORDINATE AND VERIFY ALL DIMENSIONS WITH THE APPROVED PRE-ENGINEERED METAL BUILDING (PEMB) SHOP DRAWINGS.

D. PROVIDE SHEET METAL TRIM AT PERIMETER OF ALL EXTERIOR OPENINGS. STANDARD BASE, CORNER, AND J-TRIM PROFILES TO BE PROVIDED BY THE PEMB MANUFACTURER. INCLUDE ALL CLOSURES FOR A COMPLETE AND WEATHERTIGHT INSTALL.

E. REFER TO MECHANICAL AND ELECTRICAL SHEETS FOR ITEMS NOT SHOWN THIS SHEET INCLUDING BUT NOT LIMITED TO FIXTURES, POWER RECEPTACLES SWITCHES, ELECTRICAL EQUIPMENT, AND THE LIKE.

F. CONTRACTOR SHALL PROVIDE ALL BACKING AND FRAMING SUPPORTS AS NEEDED TO MOUNT AND INSTALL FIXTURES AND EQUIPMENT.

WSEC BUILDING ENVELOPE COMPLIANCE:
HEATING SYSTEMS HAVE BEEN DESIGNED TO MEET THE REQUIREMENTS FOR A LOW ENERGY BUILDING PER C402.1.1.1. THE BUILDING IS EXEMPT FROM THE ENERGY CODE PROVISIONS OF SECTION C402.

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-
METAL BUILDING ROOF PLAN

CONT/CONS:	000000292	TOWNSHIP: 21	RANGE: 03
M. ID:	101686.01	DAT-HRZ: WA83-SF	VERT:
PHASE:	BID SET	PARCEL:	DRAWING SCALE: As indicated

SECTION: 27

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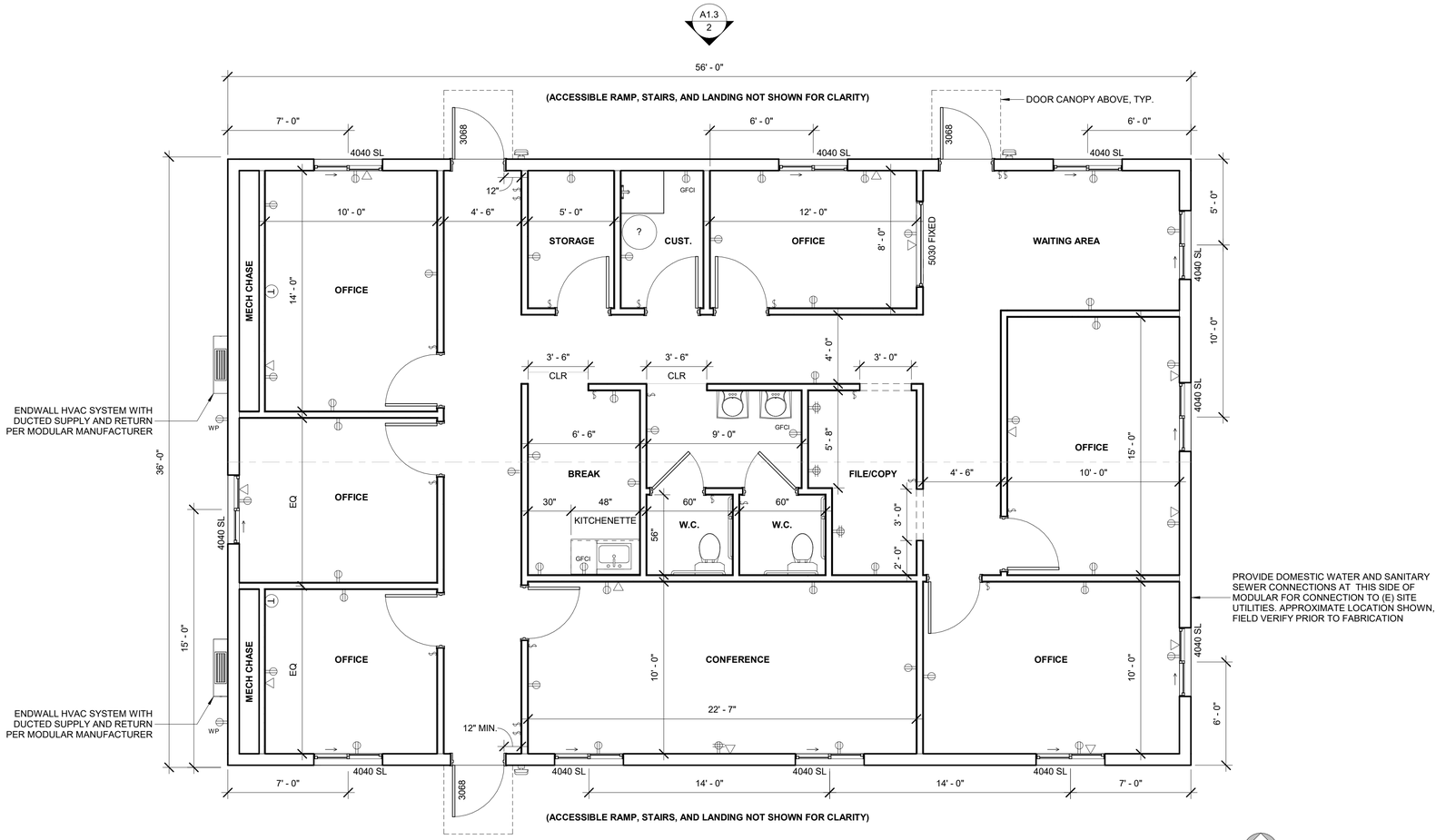
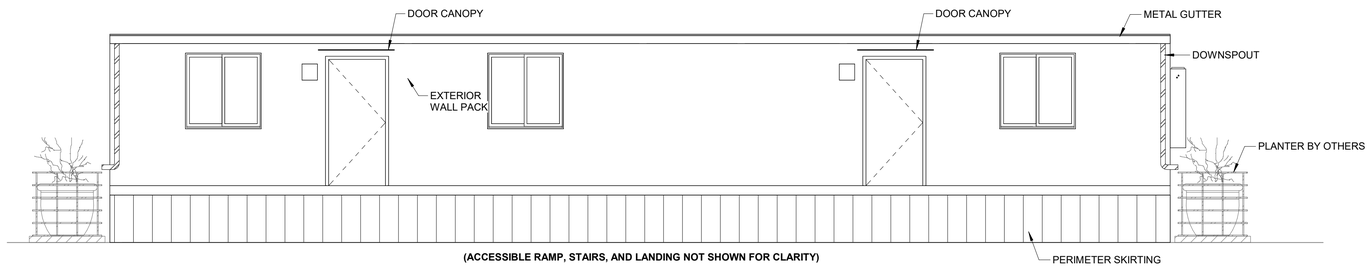
A1.2
7 OF 38



1 A1.3 MODULAR OFFICE #1 FLOOR PLAN

1/4" = 1'-0"



2 A1.3 MODULAR OFFICE #1 ELEVATION

1/4" = 1'-0"

MODULAR OFFICE #1: BASIS OF DESIGN SPECIFICATIONS

EXTERIOR SIDING:	MANUFACTURER'S STANDARD FIBER-CEMENT/WOOD CLADDING.
ROOFING:	PVC OR EPDM MEMBRANE, 60-MIL MINIMUM THICKNESS.
FLASHING:	PROVIDE ALUMINUM GUTTER AND DOWNSPOUTS.
WINDOWS:	4030 HORIZONTAL SLIDING WINDOW WITH BLINDS.
EXTERIOR DOORS:	3068 FLUSH PAINTED STEEL, 16-GAUGE SKIN AND FRAME.
EXTERIOR DOOR HARDWARE:	GRADE 1 HEAVY-DUTY WITH DEADBOLT, 6-PIN CORE. PROVIDE 30" KICKPLATE, DOOR CLOSER, AND OPTIONAL SECURITY BAR.
DOOR CANOPY:	PROVIDE OPTIONAL EXTERIOR DOOR CANOPY.
INTERIOR DOORS:	3068 PREFINISHED WITH TIMELY DOOR AND FRAME.
INTERIOR DOOR HARDWARE:	GRADE 2 COMMERCIAL PASSAGE LATCH AT OFFICE DOORS. PROVIDE PRIVACY LOCK AT TOILET ROOM DOOR.
FLOORING:	COMMERCIAL GRADE VCT AT OFFICE AREAS, VINYL SHEET AT TOILET ROOM. 4" RUBBER BASE THROUGHOUT. STANDARD COLOR.
INTERIOR WALLS:	VINYL WRAPPED GYPSUM.
INTERIOR CEILINGS:	2'-0" X 4'-0" SUSPENDED ACOUSTICAL CEILING TILES AT 8'-0" A.F.F.
INTERIOR LIGHTING:	2'X4' LED TROFFER LIGHTS, 3500K.
EXTERIOR LIGHTING:	LED WALL PACK AT EACH EXTERIOR DOOR, TYP. 4000K.
TOILET ROOM ACCESSORIES:	WALL MOUNTED SOAP DISPENSER, PAPER TOWEL DISPENSER, MIRROR. PROVIDE GRAB BARS AT ADA ACCESSIBLE STALLS.
PLUMBING FIXTURES - RESTROOM #1:	2 LAVATORIES, 1 STANDARD WATER CLOSET STALL, 1 ADA ACCESSIBLE WATER CLOSET STALL.
PLUMBING FIXTURES - RESTROOM #2:	2 LAVATORIES, 1 STANDARD WATER CLOSET STALL, 1 ADA ACCESSIBLE WATER CLOSET STALL.
HVAC:	PACKAGED ENDWALL HVAC WITH DUCTED SUPPLY AND RETURN.
ELECTRICAL:	PROVIDE ELECTRICAL OUTLETS AS REQUIRED BY CODE.
COMM/DATA:	PRE-WIRE CAT-6 DATA CONNECTION AT LOCATIONS SHOWN PER PLAN. TEST, LABEL, AND TERMINATE AT HEADEND LOCATION.

GENERAL MODULAR BUILDING NOTES:

1. MODULAR STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE 2021 WASHINGTON STATE BUILDING, MECHANICAL, PLUMBING, AND ENERGY CODES.
2. ALL EXTERIOR ASSEMBLIES SHALL COMPLY WITH THE COMMERCIAL PROVISIONS OF THE 2021 WASHINGTON STATE ENERGY CODE (WSEC-C).
3. ALL MODULAR STRUCTURES SHALL BE PROVIDED WITH AN ADA ACCESSIBLE RAMP. MANUFACTURER RESPONSIBLE FOR THE DESIGN AND LAYOUT OF RAMPS AND STAIRS.
4. INTERIOR PARTITION LAYOUTS TO BE CONFIRMED BY THE PORT/TENANT DURING SHOP DRAWING REVIEW. MINIMUM CEILING HEIGHT TO BE 8'-0" A.F.F.
5. UNLESS NOTED OTHERWISE, MODULAR BUILDING SUPPLIER AND/OR CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS AND DEFERRED SUBMITTALS. CONTRACTOR IS RESPONSIBLE FOR ALL DEFERRED SUBMITTAL FEES.
6. COORDINATE DOMESTIC WATER AND SANITARY SEWER CONNECTION POINTS WITH LOCATION OF EXISTING SITE UTILITIES. LOCATIONS SHOWN ARE APPROXIMATE, FIELD VERIFY PRIOR TO FABRICATION OF NEW MODULAR BUILDING, TYPICAL.
7. PROVIDE SMOKE DETECTORS AND CO2 DETECTORS AS REQUIRED PER CODE.
8. MODULAR STRUCTURES MUST BEAR A GOLD SEAL INSIGNIA AND COMPLY WITH THE WASHINGTON STATE BUILDING, MECHANICAL, PLUMBING, AND ENERGY CODES, AND MUST BE PLACED ON A PERMANENT FOUNDATION CONFORMING TO THE CURRENT INTERNATIONAL BUILDING CODE (IBC). THE GOLD SEAL INSIGNIA MUST BE PLACED ON OR NEAR THE METER BASE OR NEAR THE LOCATION WHERE ELECTRICAL SERVICE ENTERS THE STRUCTURE.
9. MODULAR BUILDING MUST INCLUDE A VIN PLATE (STAMPED/ENGRAVED) INDICATING MANUFACTURER'S NAME, MANUFACTURE DATE, SERIAL NUMBER, AND GVWR.
10. ANCHORING TO MEET LOCAL CODE REQUIREMENTS SHALL BE UTILIZED TO SECURE THE MODULAR BUILDING TO THE GROUND. CONTRACTOR AND/OR MODULAR BUILDING MANUFACTURER ARE RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF ALL REQUIRED FOUNDATIONS, ANCHORS, PIERS, AND RELATED SUPPORTS.

DRAWING LEGEND:

- ▽ CAT-6 DATA OUTLET
- ⏚ DUPLEX WALL OUTLET
- $ WALL SWITCH
- Ⓣ THERMOSTAT

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TEMPORARY RELOCATION

MODULAR OFFICE #1 - BASIS OF DESIGN

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M. ID: 101686.01	DAT-HRZ: WA83-SF	VERT:	
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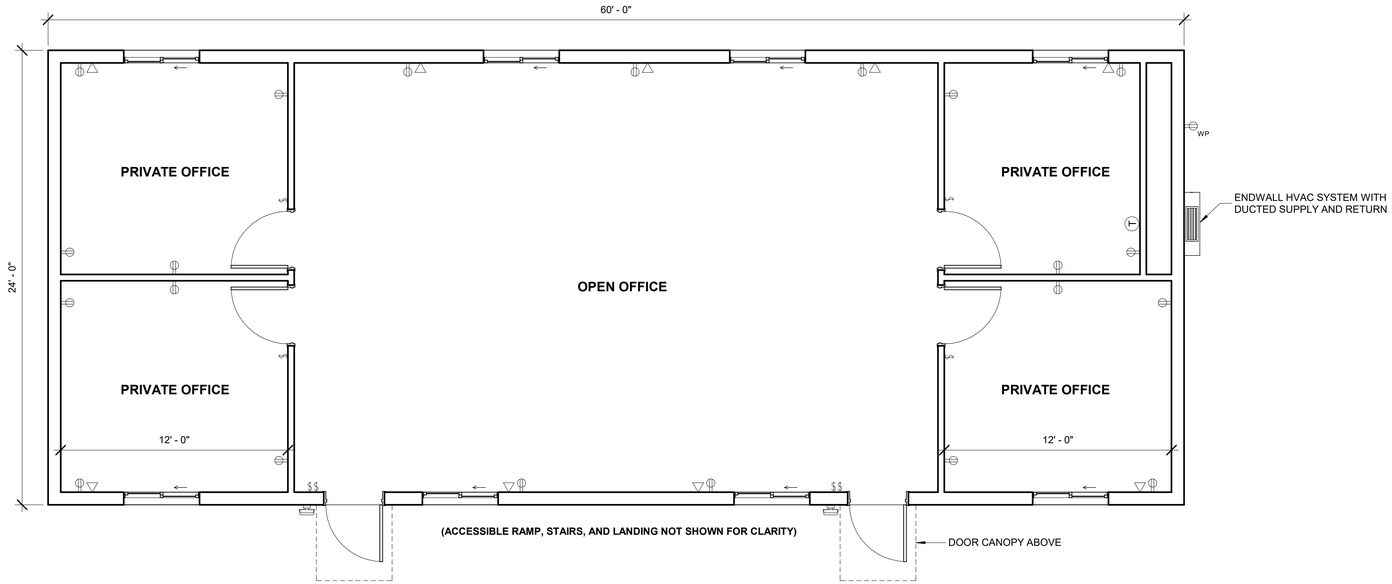
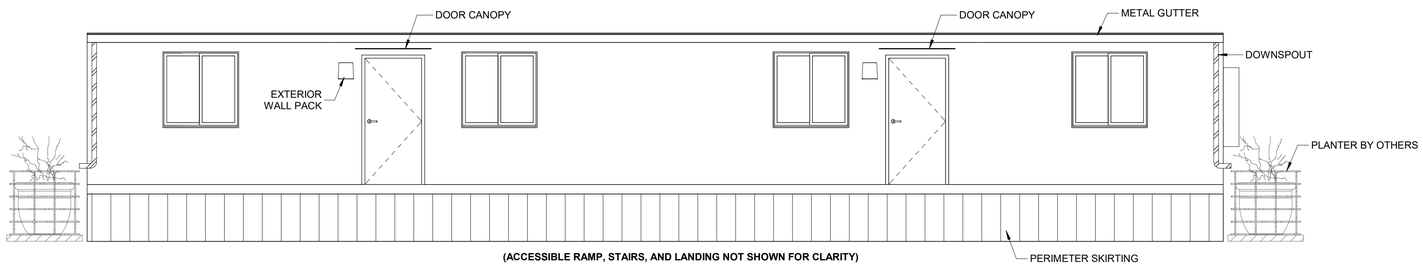
A1.3
8 OF 38



1 A1.4 MODULAR OFFICE #2 FLOOR PLAN

1/4" = 1'-0"

NORTH



2 A1.4 MODULAR OFFICE #2 ELEVATION

1/4" = 1'-0"

MODULAR OFFICE #2: BASIS OF DESIGN SPECIFICATIONS

EXTERIOR SIDING:	MANUFACTURER'S STANDARD FIBER-CEMENT/WOOD CLADDING.
ROOFING:	PVC OR EPDM MEMBRANE, 60-MIL MINIMUM THICKNESS.
FLASHING:	PROVIDE ALUMINUM GUTTER AND DOWNSPOUTS.
WINDOWS:	4030 HORIZONTAL SLIDING WINDOW WITH BLINDS.
EXTERIOR DOORS:	3068 FLUSH PAINTED STEEL, 16-GAUGE SKIN AND FRAME.
EXTERIOR DOOR HARDWARE:	GRADE 1 HEAVY-DUTY WITH DEADBOLT, 6-PIN CORE. PROVIDE 30" KICKPLATE, DOOR CLOSER, AND OPTIONAL SECURITY BAR.
DOOR CANOPY:	PROVIDE OPTIONAL EXTERIOR DOOR CANOPY.
INTERIOR DOORS:	3068 PREFINISHED WITH TIMELY DOOR AND FRAME.
INTERIOR DOOR HARDWARE:	GRADE 2 COMMERCIAL PASSAGE LATCH AT OFFICE DOORS. .
FLOORING:	COMMERCIAL GRADE VCT WITH 4" RUBBER BASE THROUGHOUT. STANDARD COLOR TBD.
INTERIOR WALLS:	VINYL WRAPPED GYPSUM.
INTERIOR CEILINGS:	2'-0" X 4'-0" SUSPENDED ACOUSTICAL CEILING TILES AT 8'-0" A.F.F.
INTERIOR LIGHTING:	2'X4' LED TROFFER LIGHTS, 3500K.
EXTERIOR LIGHTING:	LED WALL PACK AT EACH EXTERIOR DOOR, TYP. 4000K.
HVAC:	PACKAGED ENDWALL HVAC WITH DUCTED SUPPLY AND RETURN.
ELECTRICAL:	PROVIDE ELECTRICAL OUTLETS AS REQUIRED BY CODE.
COMM/DATA:	PRE-WIRE CAT-6 DATA CONNECTION AT LOCATIONS SHOWN PER PLAN. TEST, LABEL, AND TERMINATE AT HEADEND LOCATION.

GENERAL MODULAR BUILDING NOTES:

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3. ALL MODULAR STRUCTURES SHALL BE PROVIDED WITH AN ADA ACCESSIBLE RAMP. MANUFACTURER RESPONSIBLE FOR THE DESIGN AND LAYOUT OF RAMPS AND STAIRS.
4. INTERIOR PARTITION LAYOUTS TO BE CONFIRMED BY THE PORT/TENANT DURING SHOP DRAWING REVIEW. MINIMUM CEILING HEIGHT TO BE 8'-0" A.F.F.
5. UNLESS NOTED OTHERWISE, MODULAR BUILDING SUPPLIER AND/OR CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS AND DEFERRED SUBMITTALS. DEFERRED SUBMITTAL FEES WILL BE PAID BY THE PORT OF TACOMA.
6. PROVIDE SMOKE DETECTORS AND CO2 DETECTORS AS REQUIRED PER CODE.
7. MODULAR STRUCTURES MUST BEAR A GOLD SEAL INSIGNIA AND COMPLY WITH THE WASHINGTON STATE BUILDING, MECHANICAL, PLUMBING, AND ENERGY CODES, AND MUST BE PLACED ON A PERMANENT FOUNDATION CONFORMING TO THE CURRENT INTERNATIONAL BUILDING CODE (IBC). THE GOLD SEAL INSIGNIA MUST BE PLACED ON OR NEAR THE METER BASE OR NEAR THE LOCATION WHERE ELECTRICAL SERVICE ENTERS THE STRUCTURE.
8. MODULAR BUILDING MUST INCLUDE A VIN PLATE (STAMPED/ENGRAVED) INDICATING MANUFACTURER'S NAME, MANUFACTURE DATE, SERIAL NUMBER, AND GVWR.
9. ANCHORING TO MEET LOCAL CODE REQUIREMENTS SHALL BE UTILIZED TO SECURE THE MODULAR BUILDING TO THE GROUND. CONTRACTOR AND/OR MODULAR BUILDING MANUFACTURER ARE RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF ALL REQUIRED FOUNDATIONS, ANCHORS, PIERS, AND RELATED SUPPORTS.

DRAWING LEGEND:

- DUPLEX WALL OUTLET
- CAT-6 DATA OUTLET
- WALL SWITCH
- THERMOSTAT

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REGISTERED ARCHITECT
6273
JERRY D. OSBORN
STATE OF WASHINGTON

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PRINTED BY: JJM
PORT ADDRESS: 407 E. ALEXANDER AVE
TACOMA, WA 98422
DRAWING SCALE: As indicated

APPROVED:

EBC SILVERBACK
TEMPORARY RELOCATION
-
MODULAR OFFICE #2 - BASIS OF DESIGN

SECTION: 27
RANGE: 03
TOWNSHIP: 21
VERT:
DAT-HRZ: WA83-SF
PARCEL:

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A1.4
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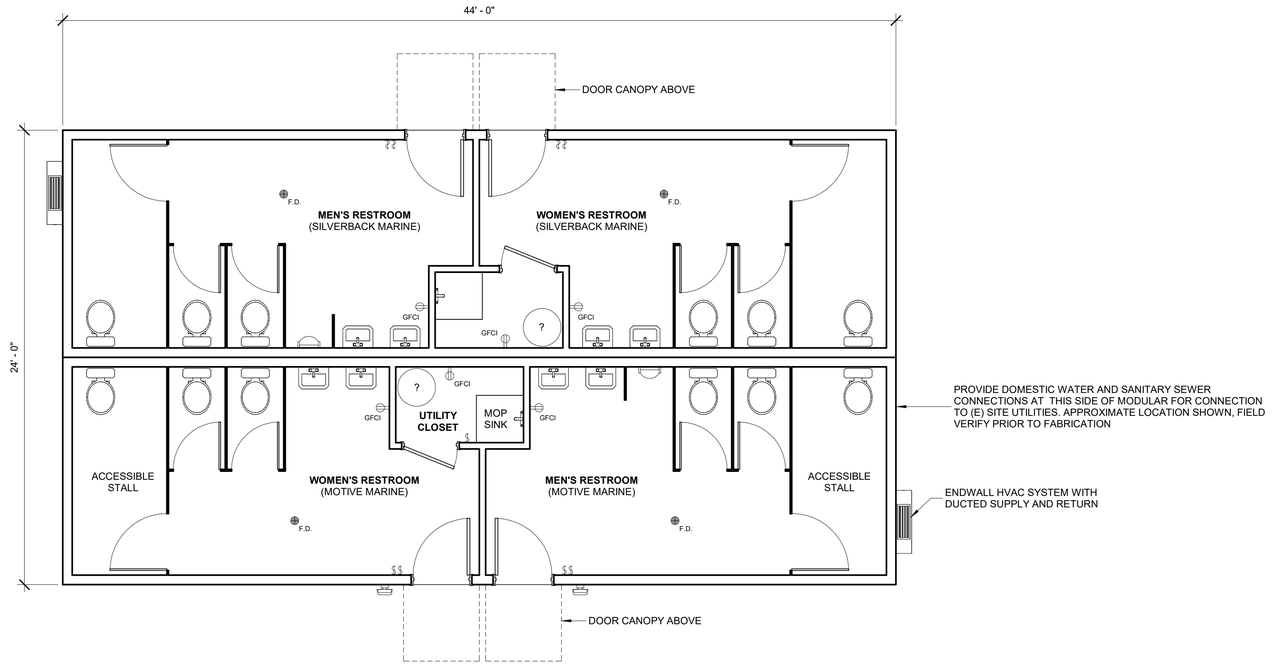
CONT/CONS: 0000000292
M. ID: 101686.01
PHASE: BID SET



(ACCESSIBLE RAMP, STAIRS, AND LANDING NOT SHOWN FOR CLARITY)

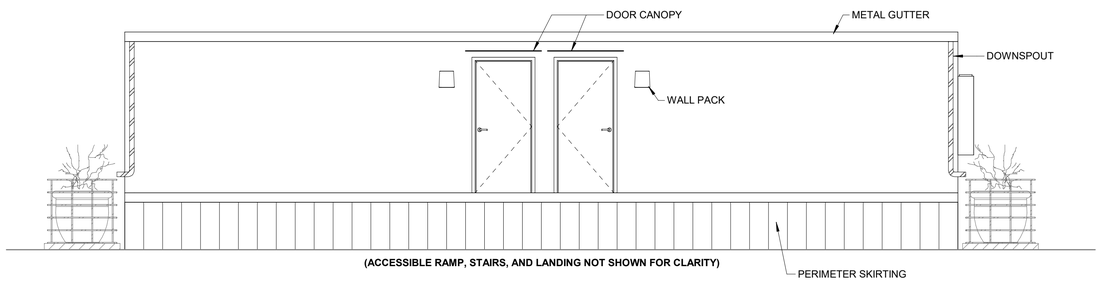
NOTE: GRAB BARS AND TOILET ROOM ACCESSORIES NOT SHOWN FOR CLARITY.

2 / A1.5

1 / A1.5 TYPICAL MODULAR TOILET TRAILER PLAN

1/4" = 1'-0"

NORTH



(ACCESSIBLE RAMP, STAIRS, AND LANDING NOT SHOWN FOR CLARITY)

2 / A1.5 TYPICAL TOILET TRAILER ELEVATION

1/4" = 1'-0"

RESTROOM TRAILER: BASIS OF DESIGN SPECIFICATIONS

EXTERIOR SIDING:	MANUFACTURER'S STANDARD FIBER-CEMENT/WOOD CLADDING.
ROOFING:	PVC OR EPDM MEMBRANE, 60-MIL MINIMUM THICKNESS.
FLASHING:	PROVIDE ALUMINUM GUTTER AND DOWNSPOUTS.
EXTERIOR DOORS:	3068 FLUSH PAINTED STEEL, 16-GAUGE SKIN AND FRAME.
DOOR HARDWARE:	GRADE 1 HEAVY-DUTY WITH DEADBOLT, 6-PIN CORE. PROVIDE 30" KICKPLATE, DOOR CLOSER, AND OPTIONAL SECURITY BAR.
DOOR CANOPY:	PROVIDE OPTIONAL EXTERIOR DOOR CANOPY.
FLOORING:	COMMERCIAL GRADE VINYL SHEET WITH 4" RUBBER BASE.
INTERIOR WALLS:	FULL HEIGHT PVC PANELING. PROVIDE BLOCKING AT GRAB BARS.
INTERIOR CEILINGS:	2'-0" X 4'-0" SUSPENDED ACOUSTICAL CEILING TILES AT 8'-0" A.F.F.
INTERIOR LIGHTING:	2'X4' LED TROFFER LIGHTS, 3500K.
EXTERIOR LIGHTING:	LED WALL PACK AT EACH EXTERIOR DOOR, TYP. 4000K.
TOILET ROOM ACCESSORIES:	WALL MOUNTED SOAP DISPENSER, PAPER TOWEL DISPENSER, MIRROR. PROVIDE GRAB BARS AT ADA ACCESSIBLE STALLS.
PLUMBING EQUIPMENT:	MOP SINK AND WATER HEATER WITH CIRCULATION PUMP IN UTILITY CLOSET. PROVIDE FLOOR DRAIN IN EACH RESTROOM.
PLUMBING FIXTURES - MENS RR:	2 LAVATORIES, 1 URINAL, 2 STANDARD WATER CLOSET STALLS, 1 ADA ACCESSIBLE WATER CLOSET STALL.
PLUMBING FIXTURES - WOMENS RR:	2 LAVATORIES, 2 STANDARD WATER CLOSET STALLS, 1 ADA ACCESSIBLE WATER CLOSET STALL.
HVAC:	PACKAGED ENDWALL HVAC WITH DUCTED SUPPLY AND RETURN.
ELECTRICAL:	PROVIDE GFCI OUTLETS AS REQUIRED BY CODE.

GENERAL MODULAR BUILDING NOTES:

1. MODULAR STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE 2021 WASHINGTON STATE BUILDING, MECHANICAL, PLUMBING, AND ENERGY CODES.
2. ALL EXTERIOR ASSEMBLIES SHALL COMPLY WITH THE COMMERCIAL PROVISIONS OF THE 2021 WASHINGTON STATE ENERGY CODE (WSEC-C).
3. ALL MODULAR STRUCTURES SHALL BE PROVIDED WITH AN ADA ACCESSIBLE RAMP. MANUFACTURER RESPONSIBLE FOR THE DESIGN AND LAYOUT OF RAMPS AND STAIRS.
4. INTERIOR PARTITION LAYOUTS TO BE CONFIRMED BY THE PORT/TENANT DURING SHOP DRAWING REVIEW. MINIMUM CEILING HEIGHT TO BE 8'-0" A.F.F.
5. UNLESS NOTED OTHERWISE, MODULAR BUILDING SUPPLIER AND/OR CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS AND DEFERRED SUBMITTALS. DEFERRED SUBMITTAL FEES WILL BE PAID BY THE PORT OF TACOMA.
6. COORDINATE DOMESTIC WATER AND SANITARY SEWER CONNECTION POINTS WITH LOCATION OF EXISTING SITE UTILITIES. LOCATIONS SHOWN ARE APPROXIMATE, FIELD VERIFY PRIOR TO FABRICATION OF NEW MODULAR BUILDING, TYPICAL.
7. PROVIDE SMOKE DETECTORS AND CO2 DETECTORS AS REQUIRED PER CODE.
8. MODULAR STRUCTURES MUST BEAR A GOLD SEAL INSIGNIA AND COMPLY WITH THE WASHINGTON STATE BUILDING, MECHANICAL, PLUMBING, AND ENERGY CODES, AND MUST BE PLACED ON A PERMANENT FOUNDATION CONFORMING TO THE CURRENT INTERNATIONAL BUILDING CODE (IBC). THE GOLD SEAL INSIGNIA MUST BE PLACED ON OR NEAR THE METER BASE OR NEAR THE LOCATION WHERE ELECTRICAL SERVICE ENTERS THE STRUCTURE.
9. MODULAR BUILDING MUST INCLUDE A VIN PLATE (STAMPED/ENGRAVED) INDICATING MANUFACTURER'S NAME, MANUFACTURE DATE, SERIAL NUMBER, AND GVWR.
10. ANCHORING TO MEET LOCAL CODE REQUIREMENTS SHALL BE UTILIZED TO SECURE THE MODULAR BUILDING TO THE GROUND. CONTRACTOR AND MODULAR BUILDING MANUFACTURER ARE RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF ALL REQUIRED FOUNDATIONS, ANCHORS, PIERS, AND RELATED SUPPORTS.

DRAWING LEGEND:

- DUPLEX WALL OUTLET
- CAT-6 DATA OUTLET
- $ WALL SWITCH
- (T) THERMOSTAT

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APPROVED:

EBC SILVERBACK
TEMPORARY RELOCATION
-
RESTROOM TRAILER - BASIS OF DESIGN

TOWNSHIP: 21	RANGE: 03	SECTION: 27	
DAT-HRZ: WA83-SF	VERT:	DRAWING SCALE:	As indicated
PARCEL:			

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CONT/CONS:	000000292
M. ID:	101686.01
PHASE:	BID SET

MODULAR BUILDING SCOPE & RESPONSIBILITY MATRIX

DESCRIPTION:	CONTRACTOR	PORT OF TACOMA	ADDITIONAL NOTES & REQUIREMENTS:
GENERAL REQUIREMENTS:			
SHIPPING AND DELIVERY TO SITE, INCLUDING ALL REQUIRED PERMITS	X		
COMPLETE ASSEMBLY, SETUP, AND CONFIGURATION PER SCOPE OF WORK	X		
MANUFACTURER'S WARRANTY ON STRUCTURAL AND MECHANICAL COMPONENTS	X		PROVIDE 1-YEAR WORKMANSHIP AND MATERIAL WARRANTIES
OFF-SITE DISPOSAL OF ALL DEBRIS ASSOCIATED WITH SETUP AND INSTALLATION	X		
SUBMITTALS: PREPARE SHOP DRAWINGS FOR PORT/TENANT REVIEW AND APPROVAL	X		SUBMIT SHOP DRAWINGS PRIOR TO PERMIT SUBMITTAL.
INCLUDE ONE SHOP DRAWING REVISION TO ADDRESS PORT/TENANT COMMENTS	X		
PROVIDE COLOR AND MATERIAL SAMPLES FOR FINISHED NOTED BELOW AS "TBD"	X		ASSUME MANUFACTURER'S STANDARD OFFERING FOR ALL MATERIALS AND FINISHES, UNLESS NOTED OTHERWISE.
COMPLY WITH 2021 WASHINGTON STATE BUILDING CODE REQUIREMENTS	X		INCLUDING CITY OF TACOMA AMENDMENTS.
COMPLY WITH 2021 COMMERCIAL ENERGY CODE REQUIREMENTS (2021 WSEC-C)	X		PROVIDE WSEC COMPLIANCE DOCUMENTS FOR PERMIT REVIEW.
ATTEND 6 DESIGN COORDINATION MEETINGS PRIOR DELIVERY, SEE NOTES	X		FOR BIDDING PURPOSES, INCLUDE 2 IN-PERSON SITE VISITS AND 4 VIRTUAL MEETINGS VIA MICROSOFT TEAMS.
PERMITTING REQUIREMENTS:			
PREPARATION AND SUBMITTAL OF PERMIT DOCUMENTS	X		GOLD SEAL INSIGNIA REQUIRED, UNLESS DETERMINED OTHERWISE BY MODULAR BUILDING MANUFACTURER.
BUILDING PERMIT ISSUED BY CITY OF TACOMA PDS	X		CONTRACTOR TO SUBMIT ALL REQUIRED DEFERRED SUBMITTAL DOCUMENTS.
BUILDING PERMIT REVIEW AND ISSUANCE FEES		X	
ELECTRICAL PERMIT ISSUED BY TACOMA PUBLIC UTILITIES	X		
ELECTRICAL PERMIT REVIEW AND ISSUANCE FEES		X	
PLUMBING PERMIT ISSUED BY CITY OF TACOMA PDS	X		
PLUMBING PERMIT REVIEW AND ISSUANCE FEES		X	
COORDINATE AND COMPLETE ALL REQUIRED AHJ INSPECTIONS	X		
AS-BUILT AND RECORD DRAWINGS AS REQUIRED BY AHJ	X		
FOUNDATIONS AND MODULAR ACCESSORIES:			
VERIFY SITE CONDITIONS AND COORDINATE FINAL PLACEMENT LOCATION	X		INCLUDE A SEPARATE SITE VISIT WITH THE PORT OF TACOMA 2-WEEKS PRIOR TO SCHEDULED DELVIERY.
DESIGN/INSTALL PERMANENT FOUNDATIONS AS REQUIRED BY AHJ	X		AS REQUIRED FOR "GOLD SEAL" INSIGNIA PLATE PER CITY OF TACOMA GUIDELINES.
STRUCTURAL ANCHORAGE AND TIE-DOWNS	X		TO INCLUDE ALL ENGINEERING BY A WASHINGTON STATE REGISTERED PROFESSIONAL ENGINEER.
DESIGN, SUPPLY, AND INSTALL ADA ACCESSIBLE RAMP	X		RAMPS SHOWN FOR REFERENCE ONLY. MANUFACTURER TO PROVIDE AN ADA COMPLIANT RAMP CONFIGURATION BASED ON FINAL DESIGN.
DESIGN, SUPPLY, AND INSTALL STAIRS AND LANDING PLATFORM	X		MAY BE COMBINED WITH AN EXPANDED ADA RAMP/PLATFORM CONFIGURATION ACCEPTABLE TO THE PORT.
CONTINUOUS PERIMETER SKIRTING BELOW MAIN FLOOR	X		PROVIDE ACCESS PANELS AS REQUIRED.
REMOVAL OF TRAILER HITCH AND TIRES	X		SALVAGE, PACKAGE, AND DELIVER TO THE PORT OF TACOMA FOR FUTURE USE.
BUILDING ADDRESS SIGNAGE	X		PROVIDE STEEL SIGN WITH 12" HEIGHT NUMBERING ON CONTRASTING BACKGROUND.
SECURITY DOOR BAR AT ALL DOORS	X		
WINDOW SECURITY BARS AT ALL WINDOWS	X		
CANOPY SYSTEM AT ALL EXTERIOR DOORS	X		PROVIDE MANUFACTUER'S STANDARD CANOPY AT ALL EXTERIOR DOORS. NO GUTTER REQUIRED.
SITE UTILITIES & CONNECTIONS:			
EXTEND ELECTRICAL SERVICE TO MODULAR LOCATION	X		REFER TO ELECTRICAL DRAWINGS FOR LOCATION OF EXISTING ELECTRICAL INFRASTRUCTURE.
CONNECT ELECTRICAL SERVICE TO NEW MODULAR	X		
EXTEND COMM/DATA SERVICE TO MODULAR LOCATION	X		
CONNECT COMM/DATA SERVICE TO NEW MODULAR	X		
EXTEND DOMESTIC WATER TO MODULAR LOCATION	X		TRENCH AND EXTEND NEW PIPING TO EXISTING DOMESTIC WATER CONNECTION, REFER TO SITE PLANS.
CONNECT DOMESTIC WATER TO NEW MODULAR	X		
EXTEND SANITARY SEWER TO MODULAR LOCATION	X		TRENCH AND EXTEND TO EXISTING SANITARY SEWER MANHOLE, REFER TO SITE PLANS.
CONNECT SANITARY SEWER TO NEW MODULAR	X		
PROVIDE GUTTERS AND DOWNSPOUTS PER PLAN	X		SEE BELOW FOR BASIS OF DESIGN.
SUPPLY AND PLACE BIOFILTRATION PLANTERS		X	PLANTERS PROVIDED AND PLACED BY PORT OF TACOMA.
CONNECT DOWNSPOUTS TO BIOFILTRATION PLANTERS	X		PLANTERS PROVIDED AND INSTALLED BY PORT OF TACOMA. CONFIRM DOWNSPOUT LENGTH AND LOCATION WITH PORT.
EXTERIOR			
ALL EXTERIOR ASSEMBLIES TO COMPLY WITH 2021 WSEC-C	X		
SIDING: MANUFACTURER'S STANDARD FIBER-CEMENT/WOOD CLADDING	X		PROVIDE MANUFACTURER'S STANDARD COLOR OPTION.
ROOFING: INDUSTRIAL GRADE PVC OR EPDM MEMBRANE ROOFING - SEE NOTES	X		60-MIL MINIMUM THICKNESS, NO EXCEPTIONS. BASIS OF DESIGN - ELEVATE RUBBERGUARD EPDM PLATINUM.
FLASHING: EXTENDED EAVE FLASHING AS NEEDED FOR GUTTERS	X		OF COMPARABLE MATERIAL AND COLOR TO MATCH GUTTERS.
GUTTERS: CONTINUOUS ROLL FORMED BOX GUTTER PROFILE, 24-GAUGE PVDF	X		STANDARD COLOR, TBD. GUTTERS REQUIRED ALONG THE LOW EDGE OF ALL SLOPING ROOFS.
DOWNSPOUTS: 2" X 3" BRAKE FORMED, MATERIAL TO MATCH GUTTERS	X		ROUTE TO BIOFILTRATION PLANTERS. COORDINATE FINAL LOCATION AND REQUIRED LENGTHS WITH PORT OF TACOMA.
EXTERIOR DOORS: 3068 PAINTED STEEL, FLUSH, INSULATED POLYSTYRENE CORE	X		COMPLY WITH THERMAL REQUIREMENTS OF 2021 WSEC-C.
PROVIDE 16-GAUGE FACE SKIN, 16-GAUGE STEEL CHANNEL AT EDGES	X		EXTERIOR DOORS TO BE OF HEAVY-DUTY, INDUSTRIAL STYLE CONSTRUCTION.
HARDWARE: GRADE 1 HEAVY-DUTY WITH DEADBOLT, 6-PIN, CONSTRUCTION CORE	X		FOR BIDDING PURPOSES, INCLUDE FALCON HARDWARE OR COMPARABLE. HARDWARE TO BE CONFIRMED DURING THE SUBMITTAL PHASE.
FINAL CORES AND KEYING	X		FOR BIDDING PURPOSES, INCLUDE 6-PIN CORES. KEYING TO BE CONFIRMED DURING THE SUBMITTAL PHASE.
30" HIGH INDUSTRIAL KICKPLATE AT EXTERIOR FACE, STAINLESS STEEL	X		INDUSTRIAL TYPE KICKPLATE, FLAT OR DIAMONDPLATE ACCEPTABLE.
DOOR SWEEPS, CLOSER, WEATHERSEAL, RAINCAP, SECURITY BAR, AND CANOPY	X		PROVIDE STANDARD EXTERIOR DOOR HARDWARE. INCLUDE OPTIONAL CANOPY ASSEMBLY AT EXTERIOR DOORS.
ALL HARDWARE AND THRESHOLDS TO BE ADA COMPLIANT	X		
INTERIOR			
INTERIOR PARTITIONS PER PLAN, FINAL LOCATION PER APPROVED SHOP DRAWINGS	X		WALL DIMENSIONS AND LAYOUT SHOW FOR BIDDING PURPOSES ONLY. FINAL LAYOUT TO BE DETERMINED DURING THE SUBMITTAL PHASE.
OFFICE WALLS: VINYL WRAPPED GYPSUM, STANDARD COLOR TBD	X		
RESTROOM WALLS: VINYL WRAPPED GYPSUM, PVC PANELING TO 48" A.F.F.	X		
OFFICE FOORING: COMMERCIAL GRADE CARPET TILES	X		
RESTROOM FLOORING: COMMERCIAL GRADE VINYL SHEET, COLOR TBD	X		
FLOOR BASE: 4" RUBBER BASE THROUGHOUT, STANDARD COLOR TBD.	X		
CEILINGS: 2'-0" X 4'-0" ACOUSTICAL CEILING TILE THROUGHOUT	X		
OFFICE DOORS: 3068 PREFINISHED INTERIOR DOOR, TIMELY FRAME, PASSAGE LATCH	X		
BATHROOM DOOR: 3068 PREFINISHED INTERIOR DOOR, TIMELY FRAME, PRIVACY LOCK	X		
ELECTRICAL/COMMUNICATIONS			
COORDINATE AND CONFIRM RECEPTACLE LOCATIONS WITH TENANT/PORT OF TACOMA	X		INCLUDE 2 COORDINATION MEETINGS VIA MICROSOFT TEAMS.
PROVIDE RECEPTACLES AND DATA OUTLETS PER PLAN	X		
SUPPLY, PLACE, AND INSTALL COMMUNCATIONS/DATA HEADEND	X		
TERMINATE, TEST, AND LABEL CAT-6 CONNECTIONS PER PLAN	X		TERMINATE AT HEADEND LOCATION NOTED PER PLAN. LOCATION TO BE CONFIRMED BY PORT/TENANT DURING SHOP DRAWING REVIEW.

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DRAWING SCALE:

EBC SILVERBACK
TEMPORARY RELOCATION
-
MODULAR BUILDING SCOPE MATRIX

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CONT/CONS: 000000292 | TOWNSHIP: 21 | RANGE: 03 | SECTION: 27
M. ID: 101686.01 | DAT-HRZ: WA83-SF | VERT:
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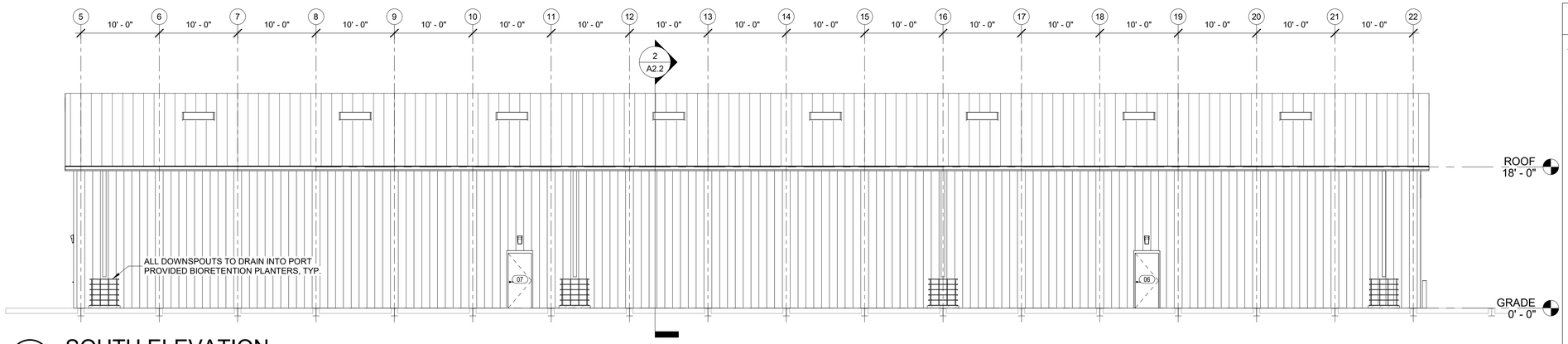
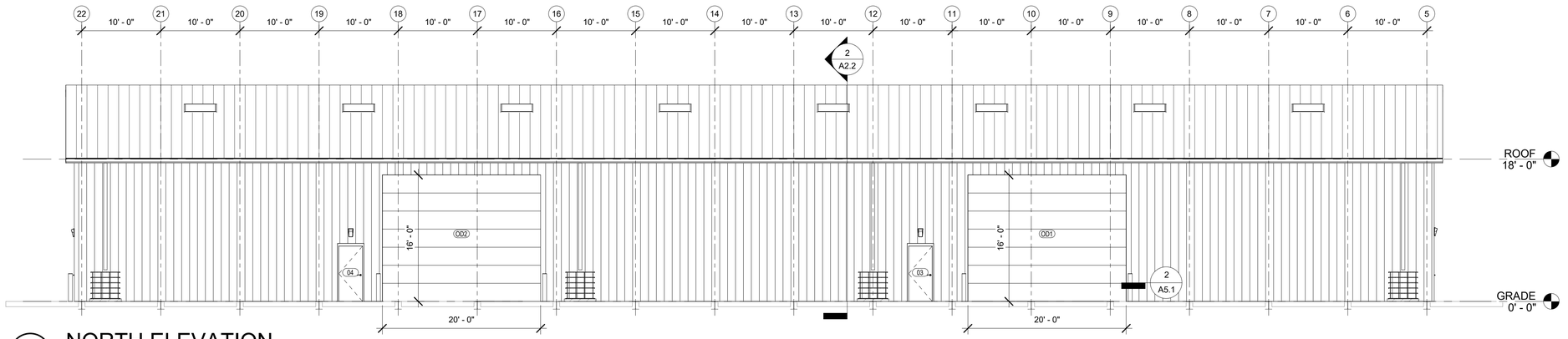


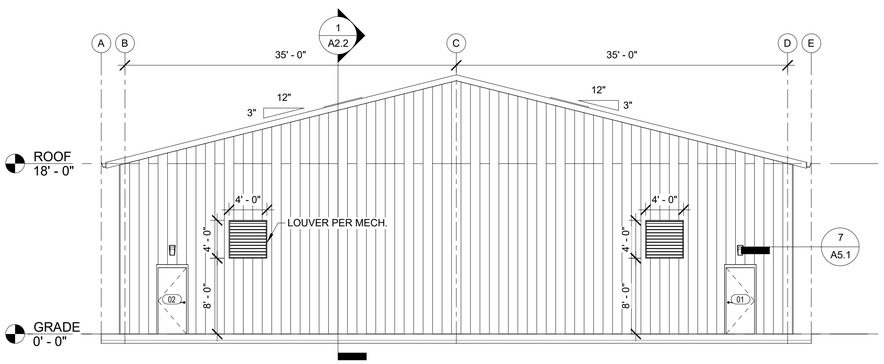
1 A2.1 **SOUTH ELEVATION**

1/8" = 1'-0"



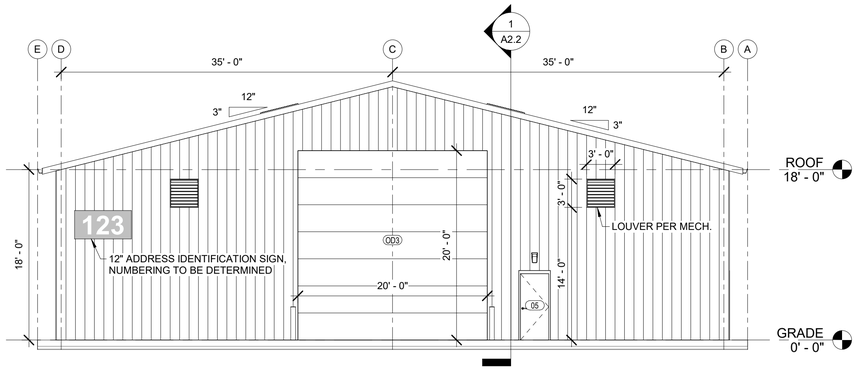
2 A2.1 **NORTH ELEVATION**

1/8" = 1'-0"



3 A2.1 **WEST ELEVATION**

1/8" = 1'-0"



4 A2.1 **EAST ELEVATION**

1/8" = 1'-0"

GENERAL NOTES

A. STRUCTURAL FRAMING AND CONNECTION DETAILS TO BE DESIGNED BY THE PRE-ENGINEERED METAL BUILDING MANUFACTURER. REFER TO STRUCTURAL DRAWINGS FOR DESIGN LOADS.

B. CONTRACTOR IS RESPONSIBLE FOR SUBMISSION OF ALL DEFERRED SUBMITTALS TO THE AUTHORITY HAVING JURISDICTION FOR REVIEW AND APPROVAL.

C. COORDINATE AND VERIFY ALL DIMENSIONS WITH THE APPROVED PRE-ENGINEERED METAL BUILDING (PEMB) SHOP DRAWINGS.

D. PROVIDE SHEET METAL TRIM AT PERIMETER OF ALL EXTERIOR OPENINGS. STANDARD BASE, CORNER, AND J-TRIM PROFILES TO BE PROVIDED BY THE PEMB MANUFACTURER. INCLUDE ALL CLOSURES FOR A COMPLETE AND WEATHERTIGHT INSTALL.

E. REFER TO MECHANICAL AND ELECTRICAL SHEETS FOR ITEMS NOT SHOWN THIS SHEET INCLUDING BUT NOT LIMITED TO FIXTURES, POWER RECEPTACLES SWITCHES, ELECTRICAL EQUIPMENT, AND THE LIKE.

F. CONTRACTOR SHALL PROVIDE ALL BACKING AND FRAMING SUPPORTS AS NEEDED TO MOUNT AND INSTALL FIXTURES AND EQUIPMENT.

WSEC BUILDING ENVELOPE COMPLIANCE:
HEATING SYSTEMS HAVE BEEN DESIGNED TO MEET THE REQUIREMENTS FOR A LOW ENERGY BUILDING PER C402.1.1.1. THE BUILDING IS EXEMPT FROM THE ENERGY CODE PROVISIONS OF SECTION C402.

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EBC SILVERBACK
TEMPORARY RELOCATION
-
METAL BUILDING EXTERIOR ELEVATIONS

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	PRINTED BY: JJM	SECTION: 27	
	PORT ADDRESS: 407 E. ALEXANDER AVE		
	TACOMA, WA 98422		
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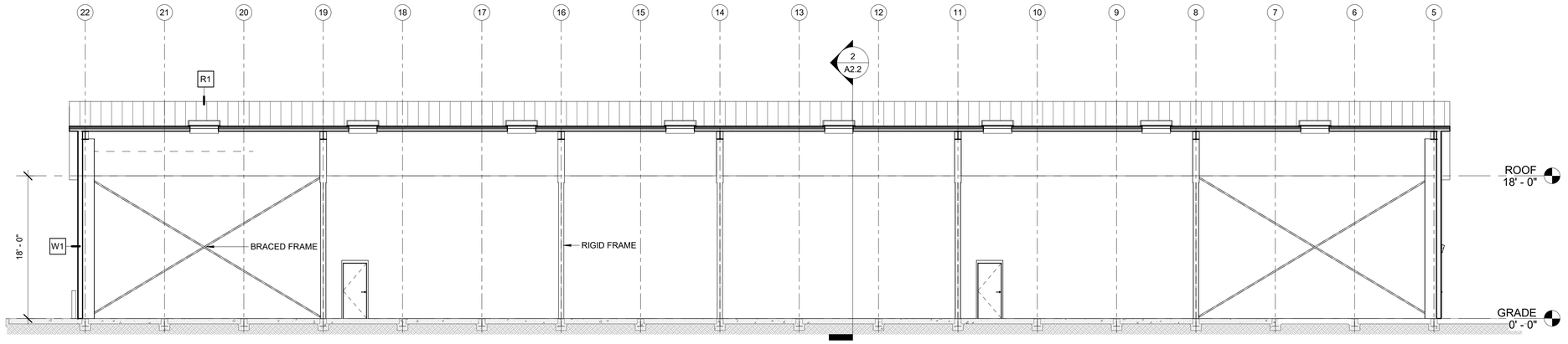

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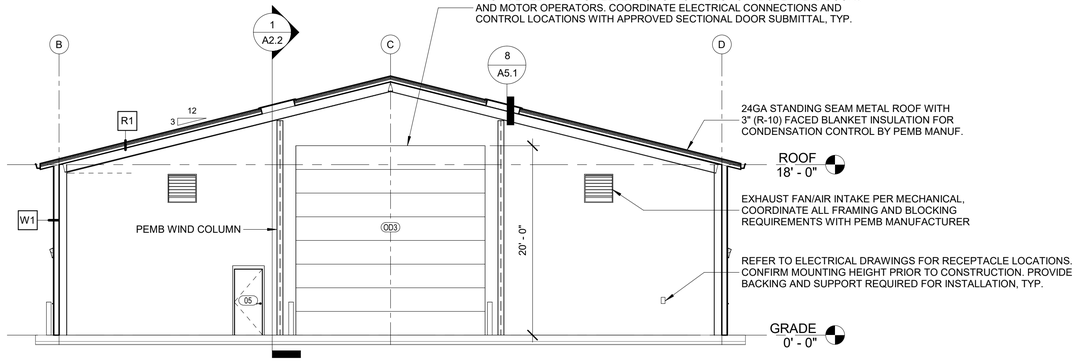
E/W BUILDING SECTION

1/8" = 1'-0"



2 / A2.2

N/S BUILDING SECTION

1/8" = 1'-0"

GENERAL NOTES

A. STRUCTURAL FRAMING AND CONNECTION DETAILS TO BE DESIGNED BY THE PRE-ENGINEERED METAL BUILDING MANUFACTURER. REFER TO STRUCTURAL DRAWINGS FOR DESIGN LOADS.

B. CONTRACTOR IS RESPONSIBLE FOR SUBMISSION OF ALL DEFERRED SUBMITTALS TO THE AUTHORITY HAVING JURISDICTION FOR REVIEW AND APPROVAL.

C. COORDINATE AND VERIFY ALL DIMENSIONS WITH THE APPROVED PRE-ENGINEERED METAL BUILDING (PEMB) SHOP DRAWINGS.

D. PROVIDE SHEET METAL TRIM AT PERIMETER OF ALL EXTERIOR OPENINGS. STANDARD BASE, CORNER, AND J-TRIM PROFILES TO BE PROVIDED BY THE PEMB MANUFACTURER. INCLUDE ALL CLOSURES FOR A COMPLETE AND WEATHERTIGHT INSTALL.

E. REFER TO MECHANICAL AND ELECTRICAL SHEETS FOR ITEMS NOT SHOWN THIS SHEET INCLUDING BUT NOT LIMITED TO FIXTURES, POWER RECEPTACLES SWITCHES, ELECTRICAL EQUIPMENT, AND THE LIKE.

F. CONTRACTOR SHALL PROVIDE ALL BACKING AND FRAMING SUPPORTS AS NEEDED TO MOUNT AND INSTALL FIXTURES AND EQUIPMENT.

WSEC BUILDING ENVELOPE COMPLIANCE:
HEATING SYSTEMS HAVE BEEN DESIGNED TO MEET THE REQUIREMENTS FOR A LOW ENERGY BUILDING PER C402.1.1.1. THE BUILDING IS EXEMPT FROM THE ENERGY CODE PROVISIONS OF SECTION C402.

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A2.2
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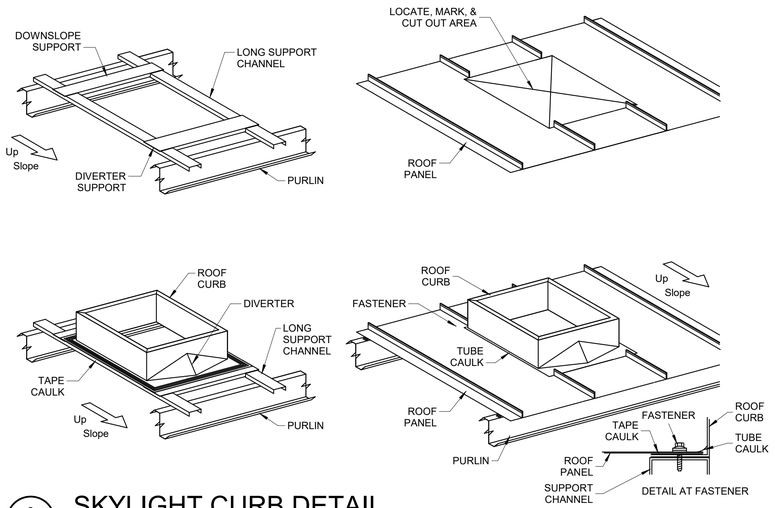
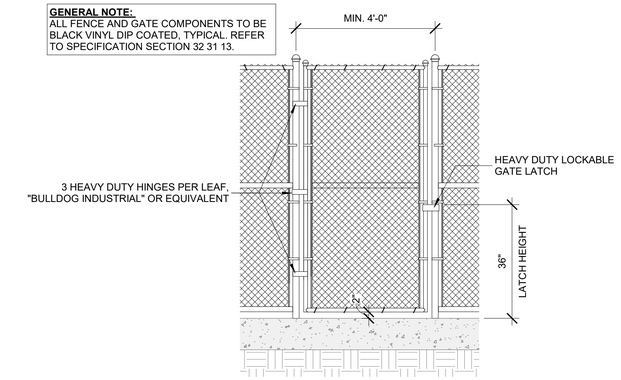


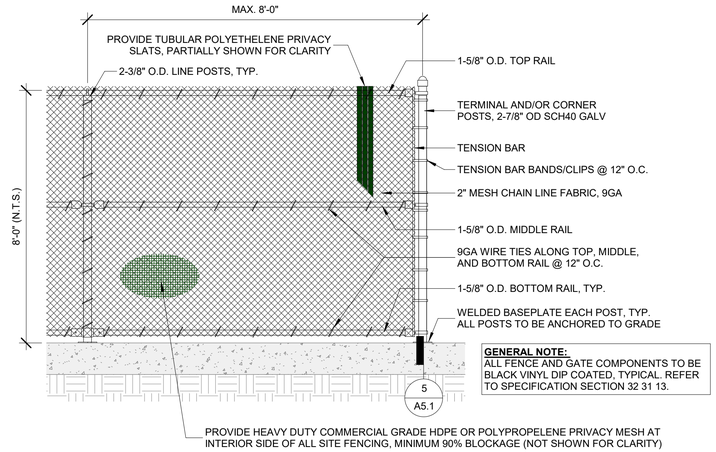
8 A5.1 SKYLIGHT CURB DETAIL

NTS



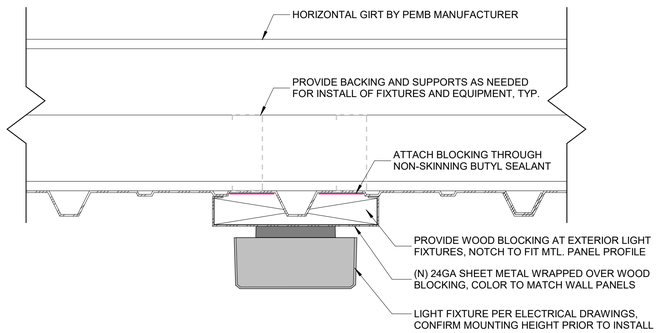
4 A5.1 PEDESTRIAN GATE

1/2" = 1'-0"



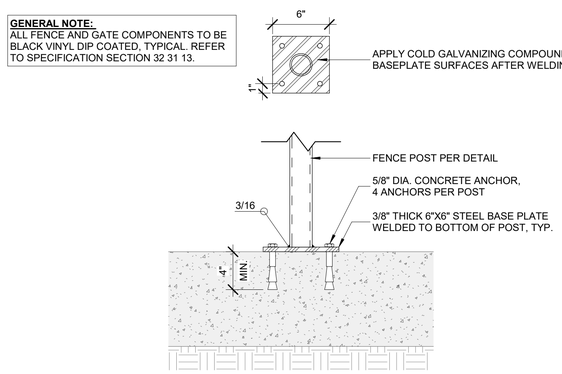
3 A5.1 SITE PERIMETER FENCE

1/2" = 1'-0"



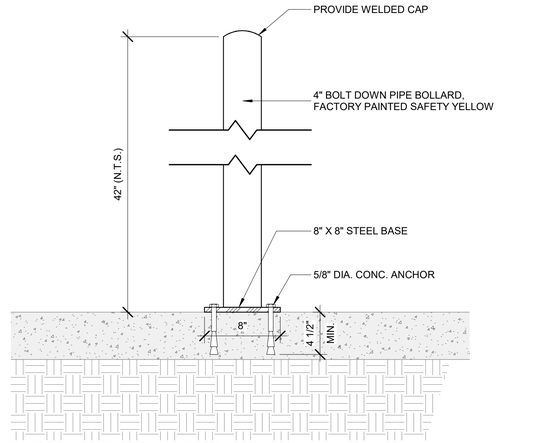
7 A5.1 FIXTURE MOUNTING DETAIL

3" = 1'-0"



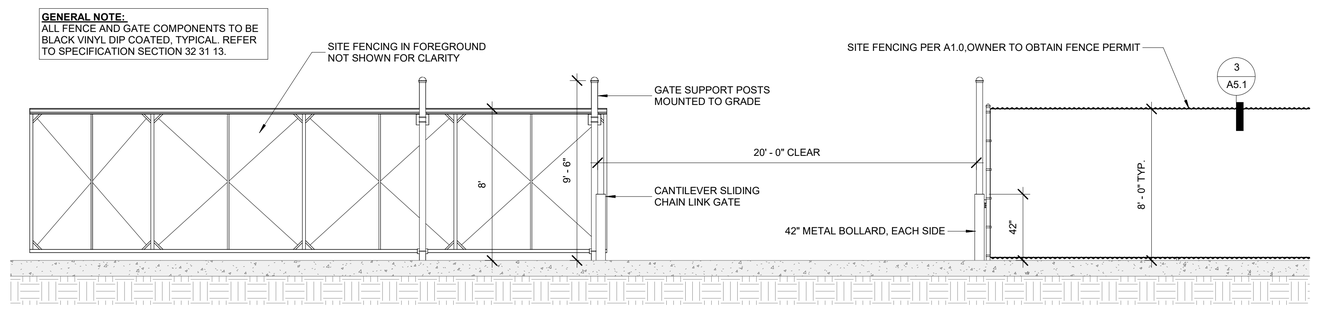
5 A5.1 FENCE BASEPLATE DETAIL

1 1/2" = 1'-0"



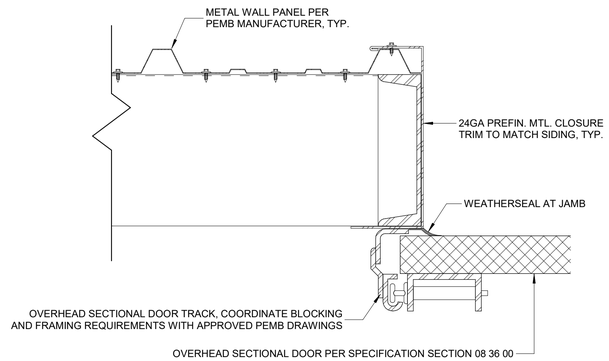
2 A5.1 METAL BOLLARD

1 1/2" = 1'-0"



6 A5.1 ROLLING GATE ELEVATION

1/4" = 1'-0"



1 A5.1 OVERHEAD DOOR JAMB (HEAD SIM.)

3" = 1'-0"

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6273
JERRY D. OSBORN
STATE OF WASHINGTON

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			TACOMA, WA 98422

EBC SILVERBACK
TEMPORARY RELOCATION
-
DETAILS

TOWNSHIP:	21	SECTION:	27
RANGE:	03		
DAT-HRZ:	WA83-SF	VERT:	
PARCEL:		DRAWING SCALE:	As indicated

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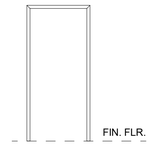
CONT/CONS:	000000292
M. ID:	101686.01
PHASE:	BID SET

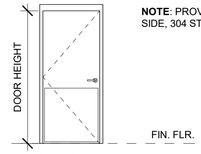
DOOR SCHEDULE

MARK	DOOR TYPE	WIDTH	HEIGHT	THICKNESS	DOOR MATL.	FRAME MATL.	FRAME TYPE	DETAILS			HARDWARE GROUP	REMARKS
								HEAD	JAMB	SILL		
01	A	3' - 0"	7' - 0"	1 3/4"	HM	HM	TYPE A	3/A6.1	3/A6.1	1/A6.1	HWG1	PAINT HOLLOW METAL DOOR AND FRAME PER 09 91 00.
02	A	3' - 0"	7' - 0"	1 3/4"	HM	HM	TYPE A	3/A6.1	3/A6.1	1/A6.1	HWG1	PAINT HOLLOW METAL DOOR AND FRAME PER 09 91 00.
03	A	3' - 0"	7' - 0"	1 3/4"	HM	HM	TYPE A	3/A6.1	3/A6.1	1/A6.1	HWG1	PAINT HOLLOW METAL DOOR AND FRAME PER 09 91 00.
04	A	3' - 0"	7' - 0"	1 3/4"	HM	HM	TYPE A	3/A6.1	3/A6.1	1/A6.1	HWG1	PAINT HOLLOW METAL DOOR AND FRAME PER 09 91 00.
05	A	3' - 0"	7' - 0"	1 3/4"	HM	HM	TYPE A	3/A6.1	3/A6.1	1/A6.1	HWG1	PAINT HOLLOW METAL DOOR AND FRAME PER 09 91 00.
06	A	3' - 0"	7' - 0"	1 3/4"	HM	HM	TYPE A	3/A6.1	3/A6.1	1/A6.1	HWG1	PAINT HOLLOW METAL DOOR AND FRAME PER 09 91 00.
07	A	3' - 0"	7' - 0"	1 3/4"	HM	HM	TYPE A	3/A6.1	3/A6.1	1/A6.1	HWG1	PAINT HOLLOW METAL DOOR AND FRAME PER 09 91 00.
OD1	B	20' - 0"	16' - 0"	2"	MTL			1/A5.1 (SIM)	1/A5.1			COORDINATE MOTOR OPERATOR REQUIREMENTS WITH ELECTRICAL CONTRACTOR.
OD2	B	20' - 0"	16' - 0"	2"	MTL			1/A5.1 (SIM)	1/A5.1			COORDINATE MOTOR OPERATOR REQUIREMENTS WITH ELECTRICAL CONTRACTOR.
OD3	B	20' - 0"	20' - 0"	2"	MTL			1/A5.1 (SIM)	1/A5.1			COORDINATE MOTOR OPERATOR REQUIREMENTS WITH ELECTRICAL CONTRACTOR.



TYPE "A"

FRAME TYPES



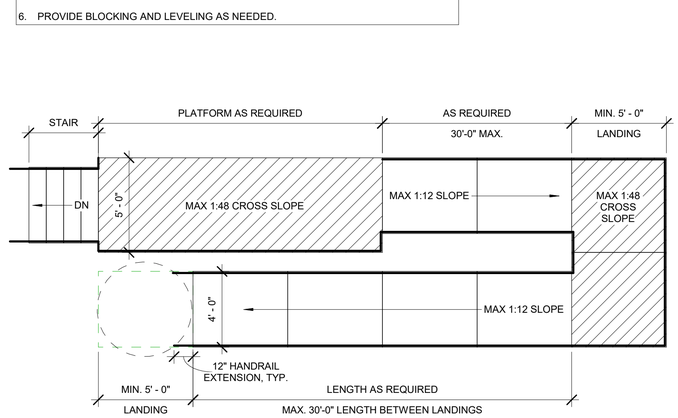
TYPE "A" - FLUSH

DOOR TYPES

NOTE: PROVIDE 34" X 34" KICKPLATE ON EACH SIDE, 304 STAINLESS STEEL. TYPICAL ALL DOORS.

MODULAR RAMP AND STAIR NOTES:

1. RAMP AND STAIR STANDARDS SHOWN ARE FOR REFERENCE ONLY. CONTRACTOR AND/OR MODULAR BUILDING MANUFACTURER ARE RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF ALL STAIRS AND ACCESSIBLE RAMPS.
2. ALL RAMPS AND STAIRS SHALL BE OSHA AND ADA COMPLIANT.
3. PROIVDE SHOP DRAWINGS DESIGNED AND STAMPED BY A WASHINGTON STATE REGISTERED PROFESSIONAL ENGINEER. CONTRACTOR TO SUBMIT AND OBTAIN ALL AHJ APPROVALS.
4. ALL RAMP AND STAIR COMPONENTS SHALL BE FABRICATED FROM ALUMINUM.
5. CONTRACTOR TO PROVIDE TRANSITION AT TOE END OF RAMPS.
6. PROVIDE BLOCKING AND LEVELING AS NEEDED.

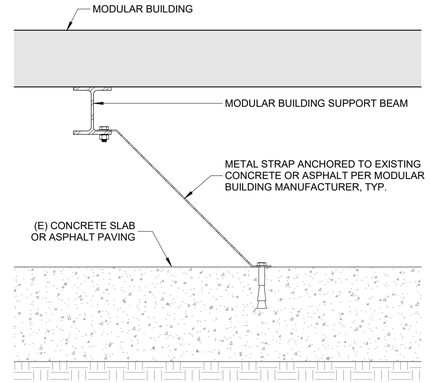


4 A6.1 MODULAR RAMP STANDARDS

NTS

MODULAR BUILDING FOUNDATION NOTES:

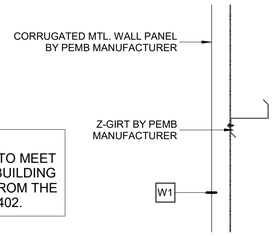
1. ANCHORING TO MEET LOCAL CODE REQUIREMENTS SHALL BE UTILIZED TO SECURE THE MODULAR BUILDING TO THE GROUND. CONTRACTOR TO SUBMIT AND OBTAIN ALL AHJ APPROVALS.
2. ANCHORING DETAILS SHOWN ARE FOR REFERENCE ONLY. CONTRACTOR AND/OR MODULAR BUILDING MANUFACTURER ARE RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF ALL REQUIRED FOUNDATIONS, ANCHORS, PIERS, AND RELATED SUPPORTS.
3. PROIVDE FOUNDATION SHOP DRAWINGS DESIGNED AND STAMPED BY A WASHINGTON STATE REGISTERED PROFESSIONAL ENGINEER.
4. PROVIDE BLOCKING AND LEVELING AS NEEDED.



2 A6.1 MODULAR ANCHOR NOTES

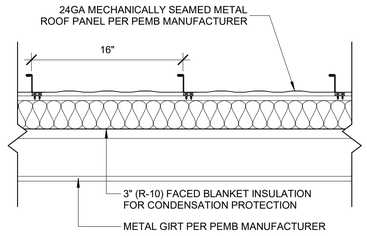
NTS

WSEC BUILDING ENVELOPE COMPLIANCE:
HEATING SYSTEMS HAVE BEEN DESIGNED TO MEET THE REQUIREMENTS FOR A LOW ENERGY BUILDING PER C402.1.1.1. THE BUILDING IS EXEMPT FROM THE ENERGY CODE PROVISIONS OF SECTION C402.



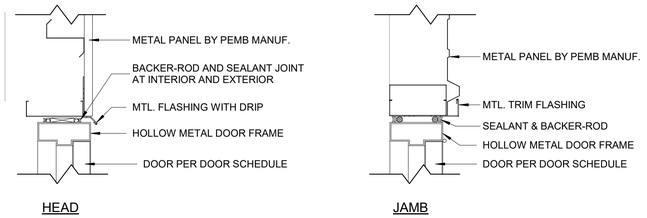
6 A6.1 WALL TYPE W1

1 1/2" = 1'-0"



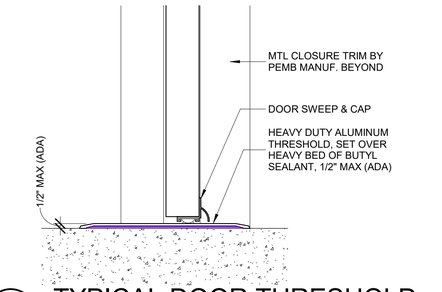
5 A6.1 ROOF TYPE R1

1 1/2" = 1'-0"



3 A6.1 TYPICAL DOOR DETAILS

1 1/2" = 1'-0"



1 A6.1 TYPICAL DOOR THRESHOLD

3" = 1'-0"

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MARK:	REVISION:	BY:	APPR:	DATE:

6273 REGISTERED ARCHITECT JERRY D. OSBORN STATE OF WASHINGTON

EBC SILVERBACK
TEMPORARY RELOCATION
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SCHEDULES AND DETAILS

6710
A6.1
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CONT/CONS:	000000292	TOWNSHIP: 21	RANGE: 03
M. ID:	101686.01	DAT-HRZ: WA83-SF	VERT:
PHASE:	BID SET	PARCEL:	DRAWING SCALE: As indicated

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GENERAL NOTES

THE FOLLOWING NOTES APPLY EXCEPT WHERE SHOWN OTHERWISE

CODE: INTERNATIONAL BUILDING CODE IBC (2021)

STRUCTURAL LOADS

ROOF LOADS: SEE LOADING DIAGRAMS ON SHEET S1.1

ROOF SNOW LOADS: GROUND SNOW LOAD, Pg = 25PSF
SNOW EXPOSURE FACTOR, Ce = 1.0
SNOW LOAD IMPORTANCE FACTOR, Is = 1.0
THERMAL FACTOR, Ct = 1.0

WIND LOADS: ULTIMATE WIND SPEED, Vult = 97MPH
RISK CATEGORY: II
WIND IMPORTANCE FACTOR, Iw = 1.00
WIND EXPOSURE: 'C'
Kzt = 1
INTERNAL PRESSURE COEFFICIENT = ± 0.18

EARTHQUAKE LOADS: SEISMIC RISK OCCUPANCY CATEGORY: II
SEISMIC IMPORTANCE FACTOR, Ie = 1.00
MAPPED ACCELERATIONS, Ss = 1.33 S1 = 0.46
SITE CLASS = D
DESIGN ACCELERATIONS, Sds = 1.06 Sd1 = N/A
SEISMIC DESIGN CATEGORY: D

SHOP DRAWINGS
SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW PRIOR TO FABRICATION. SHOP DRAWING SUBMITTALS PROCESSED BY THE ENGINEER ARE NOT CHANGE ORDERS. THE PURPOSE OF SHOP DRAWING SUBMITTALS BY THE CONTRACTOR IS TO DEMONSTRATE TO THE ENGINEER THAT THE CONTRACTOR UNDERSTANDS THE DESIGN CONCEPT, BY INDICATING WHICH MATERIAL IS INTENDED TO BE FURNISHED AND INSTALLED, AND BY DETAILING THE INTENDED FABRICATION AND INSTALLATION METHODS. IF DEVIATIONS, DISCREPANCIES, OR CONFLICTS BETWEEN SHOP DRAWING SUBMITTALS AND THE CONTRACT DOCUMENTS ARE DISCOVERED EITHER PRIOR TO OR AFTER SHOP DRAWING SUBMITTALS ARE PROCESSED BY THE ENGINEER, THE DESIGN DRAWINGS AND SPECIFICATIONS SHALL CONTROL AND SHALL BE FOLLOWED. SUBMITTAL REVIEW IS FOR GENERAL CONFORMANCE ONLY; THIS REVIEW DOES NOT CHECK DIMENSIONS OR QUANTITIES.

ANCHORAGE TO HARDENED CONCRETE:
WHERE EXPANSION ANCHORS ARE SPECIFIED, USE "HILTI KWIK BOLT TZ" (REFERENCE ICC REPORT ESR-1917.)

WHERE SCREW ANCHORS ARE SPECIFIED, USE "SIMPSON TITEN HD" (REFERENCE ICC REPORT ESR-2713).

WHERE EPOXY ANCHORS ARE SPECIFIED, USE "HILTI HY-200" OR "SIMPSON SET-3G" (REFERENCE ICC REPORT ESR-3187 AND ESR-4057).
"HILTI HIT-RE 500", AND "SIMPSON SET" MAY NOT BE USED, UNLESS SPECIFICALLY PRE-APPROVED BY THE STRUCTURAL ENGINEER.

FOR EPOXY ANCHORS, USE ASTM A193 GRADE B7 THREADED ROD, UNLESS OTHERWISE NOTED. HOLES MUST BE CLEANED OF DUST AND DEBRIS AND BE FREE OF STANDING WATER WHEN EPOXY IS INSTALLED. SPECIAL INSPECTION OF EPOXY ANCHORS IS REQUIRED. DO NOT CUT ANY REINFORCING BARS TO INSTALL ANCHORS. DEFECTIVE HOLES SHALL BE FILLED SOLID WITH EPOXY.

FOR ANY SUBSTITUTIONS TO THE ABOVE, THE CONTRACTOR SHALL SUBMIT TO THE STRUCTURAL ENGINEER MANUFACTURER'S LITERATURE DESCRIBING THE ANCHORS AND LISTING ICC APPROVED ALLOWABLE SHEAR AND TENSION VALUES.

STRUCTURAL STEEL:
CHANNELS, ANGLES, AND PLATES TO BE ASTM A36, FY=36 KSI; UNO.
PIPE COLUMNS TO BE ASTM A53, GRADE B, FY=35 KSI.
HSS RECTANGULAR AND SQUARE STRUCTURAL TUBE TO BE ASTM A500, GRADE B, FY=46 KSI.
HSS ROUND STRUCTURAL TUBE TO BE ASTM A500, GRADE B, FY=42KSI.

ALL STEEL EXCEPT STEEL EMBEDDED IN CONCRETE SHALL BE GIVEN ONE SHOP COAT OF APPROVED PAINT.
WELDS TO BE 3/16" MINIMUM CONTINUOUS FILLET, BY CERTIFIED WELDERS USING E70XX ELECTRODES.
ALL WELDING SHALL BE PERFORMED IN STRICT ADHERENCE TO A WRITTEN WELDING PROCEDURE SPECIFICATION (WPS) PER AWS D1.1. ALL WELDING PARAMETERS SHALL BE WITHIN THE ELECTRODE MANUFACTURER'S RECOMMENDATIONS. WELDING PROCEDURES SHALL BE SUBMITTED TO THE OWNER'S TESTING AGENCY FOR REVIEW BEFORE STARTING FABRICATION OR ERECTIONS. COPIES OF THE WPS SHALL BE ON SITE AND AVAILABLE TO ALL WELDERS AND THE SPECIAL INSPECTOR.

ANCHOR BOLTS EMBEDDED IN CONCRETE OR MASONRY ARE ASTM F1554 GRADE 36, UNLESS OTHERWISE NOTED. USE HEADED ANCHOR BOLTS, NOT "J" BOLTS. THREADED ANCHOR RODS ARE OK TO USE AS SUBSTITUTE. MATCH STRENGTH, DIAMETER AND EMBEDMENT DEPTH WITH PROVIDED ANCHORS. DO NOT ENLARGE HOLES IN BASE PLATE BY BURNING. BENDING OF ANCHOR BOLTS IS PERMITTED ONLY WITH THE PRIOR APPROVAL FROM THE ENGINEER.

HIGH STRENGTH ANCHOR BOLTS TO BE ASTM F1554, A354, OR ASTM A193 GRADE B7. MINIMUM YIELD STRENGTH PER DRAWINGS. NO WELDING TO OR BENDING OF HIGH STRENGTH ANCHOR BOLTS IS PERMITTED.

SCOPE OF STRUCTURAL ENGINEERING SERVICES:
THE STRUCTURAL ENGINEER HAS PERFORMED THE STRUCTURAL DESIGN AND PREPARED THE STRUCTURAL WORKING DRAWINGS FOR THIS PROJECT. THE CONSTRUCTION MUST BE PERFORMED IN STRICT ACCORDANCE WITH THE STRUCTURAL DRAWINGS. ANY DEVIATION FROM THE DRAWINGS MUST BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER. ERRORS AND/OR OMISSIONS FOUND ON THE STRUCTURAL DRAWINGS MUST BE BROUGHT TO THE STRUCTURAL ENGINEER'S ATTENTION IMMEDIATELY.

ARCHITECTURAL DRAWINGS ARE THE PRIME CONTRACT DRAWINGS. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS. PRIMARY STRUCTURAL ELEMENTS ARE DIMENSIONED ON THE STRUCTURAL PLANS AND DETAILS. THE GENERAL CONTRACTOR SHALL VERIFY AND COORDINATE DIMENSIONS AMONG ALL DRAWINGS. ANY DISCREPANCIES, CONTRADICTIONS, OR OMISSIONS SHALL BE REPORTED TO THE ARCHITECT FOR RESOLUTION PRIOR TO PROCEEDING WITH WORK OR FABRICATION OF THE ITEM(S) IN QUESTION.

THE STRUCTURAL ENGINEER IS RESPONSIBLE FOR THE DESIGN OF THE PRIMARY STRUCTURAL SYSTEM, EXCEPT FOR ANY COMPONENTS NOTED ABOVE. RESPONSIBILITY FOR ANY SECONDARY STRUCTURAL AND NON-STRUCTURAL SYSTEMS NOT SHOWN ON THE STRUCTURAL PLANS RESTS WITH SOMEONE OTHER THAN THE STRUCTURAL ENGINEER.

THE STRUCTURE SHOWN ON THESE DRAWINGS IS STRUCTURALLY SOUND ONLY IN ITS COMPLETED FORM. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BRACING TO STABILIZE THE BUILDING DURING CONSTRUCTION.

THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR, AND WILL NOT HAVE CONTROL OF, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE CONSTRUCTION WORK, NOR WILL HE BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE CONSTRUCTION WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

FIELD MEASUREMENTS AND THE VERIFICATION OF FIELD DIMENSIONS ARE NOT PART OF THE STRUCTURAL ENGINEER'S RESPONSIBILITY. THE CONTRACTOR MUST CHECK ALL (ASSUMED) EXISTING CONDITIONS SHOWN ON THESE DRAWINGS FOR ACCURACY AND NOTIFY THE STRUCTURAL ENGINEER OF ANY DISCREPANCIES.

OMISSIONS FROM THE DRAWINGS OR SPECIFICATIONS OR THE INADVERTENT MISLABELING OF DETAILS OF WORK WHICH ARE MANIFESTLY NECESSARY TO CARRY OUT THE INTENT OF THE DRAWINGS AND SPECIFICATIONS, OR WHICH ARE CUSTOMARILY PERFORMED, SHALL NOT RELIEVE THE CONTRACTOR FROM PERFORMING SUCH OMITTED OR INADVERTENT MISLABELED DETAILS OF THE WORK BUT THEY SHALL BE PERFORMED AS IF FULLY AND CORRECTLY SET FORTH AND DESCRIBED IN THE DRAWINGS AND SPECIFICATIONS.

PEMB DESIGN:
BUILDER PROVIDE A COMPLETE PACKAGE WITH ALL NEEDED PERMANENT AND TEMPORARY BRACING AND ACCESSORIES. PROVIDE CALCULATIONS AND DRAWINGS SIGNED BY AN ENGINEER LICENSED IN WASHINGTON.

SPECIAL INSPECTION SCHEDULE

REQUIRED INSPECTIONS, VERIFICATION AND TESTS OF CONCRETE CONSTRUCTION

TYPE	CONTINUOUS	PERIODIC	REFERENCE STANDARD	IBC REFERENCE
INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS (b)				
a. ADHESIVE ANCHORS INSTALLED HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS	X		ACI 318: 17.8.2.4	
b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN (a)		X	ACI 318: 17.8.2	

REQUIRED INSPECTIONS AND VERIFICATIONS FOR STEEL CONSTRUCTION

TYPE	FREQUENCY OF INSPECTIONS	REFERENCE STANDARD
1. THE FABRICATOR'S QCI SHALL INSPECT THE FOLLOWING AS A MINIMUM, AS APPLICABLE:		AISC 360 CH. M AND N
a. SHOP WELDING, HIGH STRENGTH BOLTING.	PER AISC	SECTION N5
b. SHOP CUT AND FINISHED SURFACES.	PER AISC	SECTION M2
c. SHOP HEATING FOR STRAIGHTENING, CAMBERING AND CURVING.	PER AISC	SECTION M2.1
d. TOLERANCES FOR SHOP FABRICATION.	PER AISC	CODE OF STANDARD PRACTICE SECTION 6.4
2. THE ERECTOR'S QCI SHALL INSPECT THE FOLLOWING AS A MINIMUM, AS APPLICABLE:		
a. FIELD WELDING, HIGH STRENGTH BOLTING.	PER AISC	SECTION N5
b. STEEL DECK ERECTION AND INSTALLATION.	PER SDI	-
c. HEADED STEEL STUD ANCHOR PLACEMENT AND ATTACHMENT	PER AISC	SECTION N5.4
d. FIELD CUT SURFACES	PER AISC	SECTION M2.2
e. FIELD HEATING FOR STRAIGHTENING	PER AISC	SECTION M2.1
f. TOLERANCES FOR FIELD ERECTION IN ACCORDANCE WITH THE CODE OF STANDARD PRACTICE, SECTION 7.13.	PER ASIC	CODE OF STANDARD PRACTICE SECTION 7.13
g. FIRE RESISTANT COATING OF STRUCTURAL STEEL .	PER IBC	SECTION 1705.14 AND 1705.15

STRUCTURAL SUBMITTAL: REPORTS, CERTIFICATES, AND OTHER DOCUMENTS RELATED TO STRUCTURAL SPECIAL INSPECTIONS AND TESTS AS STATED BELOW AND AS PERFORMED PER SCHEDULE PROVIDED ON THIS SHEET SHOULD BE SUBMITTED BY CONTRACTOR TO THE BUILDING DEPARTMENT. THE CERTIFICATES OF COMPLIANCE ARE REQUIRED TO STATE THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.

NOTE:
1. ALL TESTING AND INSPECTIONS AS STIPULATED IN THIS SHEET TO BE CONDUCTED ONLY BY QUALIFIED SPECIAL INSPECTORS AS STATED IN SECTION N4 OF AISC 360.
2. SPECIAL INSPECTION IS PERMITTED TO BE WAIVED OFF WHEN FABRICATION OF STRUCTURAL STEEL IS PERFORMED IN A SHOP OR BY AN ERECTOR APPROVED TO PERFROM SUCH WORK WITHOUT SPECIAL INSPECTION IN ACCORDANCE WITH IBC 2018 SECTION 1704.2.5.1 (AND SECTION N6 AISC 360).

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www.psm-engineers.com
PSM

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OAI ARCHITECTURE + PLANNING
1001 SW KLICKITAT WAY, STE. 204
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MARK:	REVISION:	BY:	APPR:	DATE:

MARC DAVID RITCHIE — STATE OF WASHINGTON — 21572 — STRUCTURAL — PROFESSIONAL ENGINEER

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PSM	04-11-2025

DIRECTOR ENG.	DATE	PROJ. ENGR	DATE
		JJM	

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TACOMA, WA 98422

EBC SILVERBACK

GENERAL NOTES AND SPECIAL INSPECTIONS

CONT/CONS:	000000292	TOWNSHIP: 21	RANGE: 03
M. ID:	101686.01	DAT-HRZ: WA83-SF	VERT:
PHASE:	PERMIT SUBMITTAL	PARCEL:	DRAWING SCALE: AS INDICATED

SECTION: 27

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S1.0
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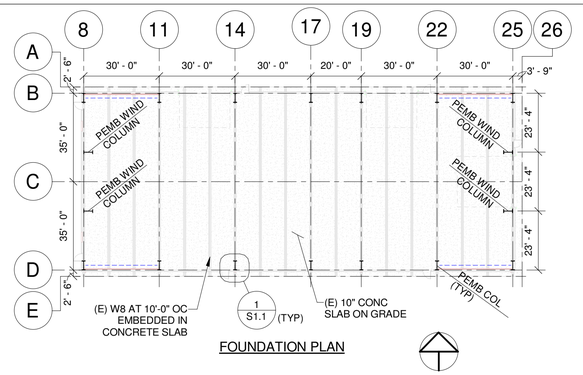
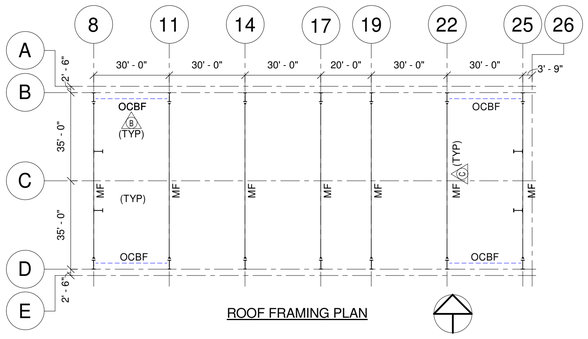
LOADING DIAGRAMS



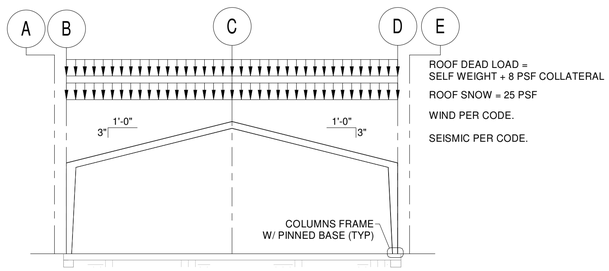
FOUNDATION PLAN

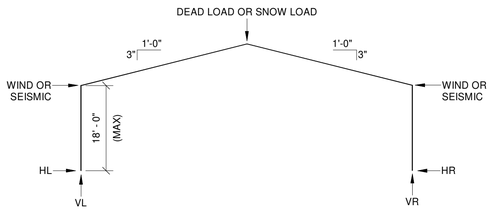


ROOF FRAMING PLAN

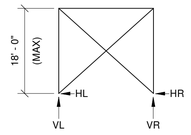
NOTES FOR PEMB DESIGN / BUILDER	
1.	DESIGN FOR LOADS AS STIPULATED ON S1.0 AND AS SHOWN IN LOADING DIAGRAMS.
2.	SEE S1.1 FOR ASSUMED LATERAL LOAD RESISTING SYSTEM USED FOR FOUNDATION DESIGN.
3.	MF-MOMENT FRAME.
4.	OCBF-ORNDINARY CONCENTRIC BRACED FRAME.

FOUNDATION DESIGN	
1.	EXISTING FOUNDATION FOR THIS CLOSED STRUCTURE HAS BEEN ANALYZED FOR THE LOADS SPECIFIED ABOVE.
2.	BUILDING'S LATERAL FORCE RESISTING SYSTEM IS CONSIDERED AS ORDINARY MOMENT FRAME W/ PINNED BASE IN SHORTER DIRECTION AND ORDINARY STEEL CONCENTRICALLY BRACED FRAMES IN LONGER DIRECTION.
3.	COLUMN REACTIONS HAVE BEEN DEDUCED BASED ON ABOVE LOADS & EXISTING FOUNDATION HAS BEEN DESIGN CHECKED FOR THESE REACTIONS.
4.	INCASE OF ANY REVISION PLEASE REPORT TO ENGINEER OF RECORD BEFORE PROCEEDING FURTHER.





RIGID FRAME ELEVATION-C

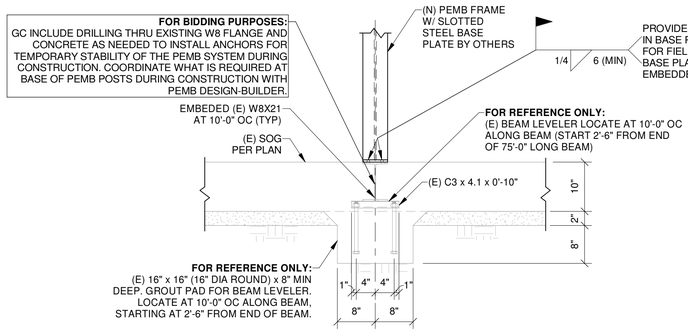


ORDINARY CONCENTRICALLY BRACED FRAME (OCBF) ELEVATION-B

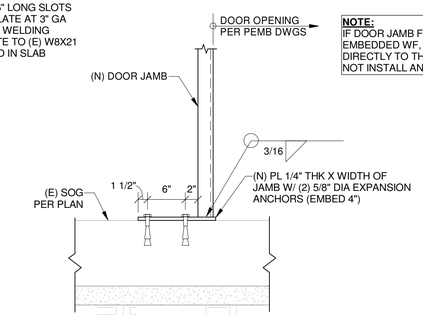
RIGID FRAME REACTIONS (KIPS)								
	DEAD LOAD		SNOW LOAD		WIND LOAD*		SEISMIC LOAD*	
	VL VR	HL HR	VL VR	HL HR	VL VR	HL HR	VL VR	HL HR
INTERIOR BAY	17.20	7.90	28.60	13.15	-21.3	-5.44	-2.83	-5.50
END BAY	8.60	3.95	14.30	6.57	-6.4	-2.72	-1.42	-2.75
WIND COL	5.2	-	8.67	-	-8.2	-7.2	-	-

* WIND AND SEISMIC LOADS ARE SPECIFIED AT STRENGTH LEVEL PER ASCE7-16.

BRACED FRAME REACTIONS (KIPS)			
WIND LOAD		SEISMIC LOAD	
VL VR	HL HR	VL VR	HL HR
-22.55	-1.71	-10.47	-8.72



1 PEMB BASE DETAIL
3/4" = 1'-0"



NOTE:
IF DOOR JAMB FALLS ON (E) EMBEDDED WF, WELD JAMB DIRECTLY TO THE WF AND DO NOT INSTALL ANCHORS.

2 TYPICAL DETAIL - DOOR JAMB BASE CONNECTION
1" = 1'-0"

NOTES	
1.	GC INCLUDE SURVEY OF THE EXISTING W8 EMBEDDED BEAMS AND VERIFY THESE ARE LEVEL TO RECEIVE THE PEMB SYSTEM; ADVISE ENGINEER IF NOT LEVEL.
2.	FOR BIDDING PURPOSES: GC ASSUME SOME FIELD WELDED STEEL SHIMS WILL BE REQUIRED TO LEVEL THE BUILDING. ASSUME 1/2" SHIMS AT 50% OF COLUMN LOCATION.

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EDMONDS, WA 98026
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www.psm-engineers.com

PSM

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S1.1
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CONT/CONS: 000000292
M. ID: 101686.01
PHASE: PERMIT SUBMITTAL

APPROVED:

EBC SILVERBACK

LOADING DIAGRAMS AND DETAILS

TOWNSHIP:	21	SECTION:	27
RANGE:	03		
DAT-HRZ:	WA83-SF	VERT:	
PARCEL:		DRAWING SCALE:	AS INDICATED

DIRECTOR ENG.	DATE	Checker	DATE
PRINTED BY:	JJM	CHECKED BY	
PORT ADDRESS:	407 E. ALEXANDER AVE TACOMA, WA 98422	PSM	04-11-2025
PROJ. ENGR	DATE		

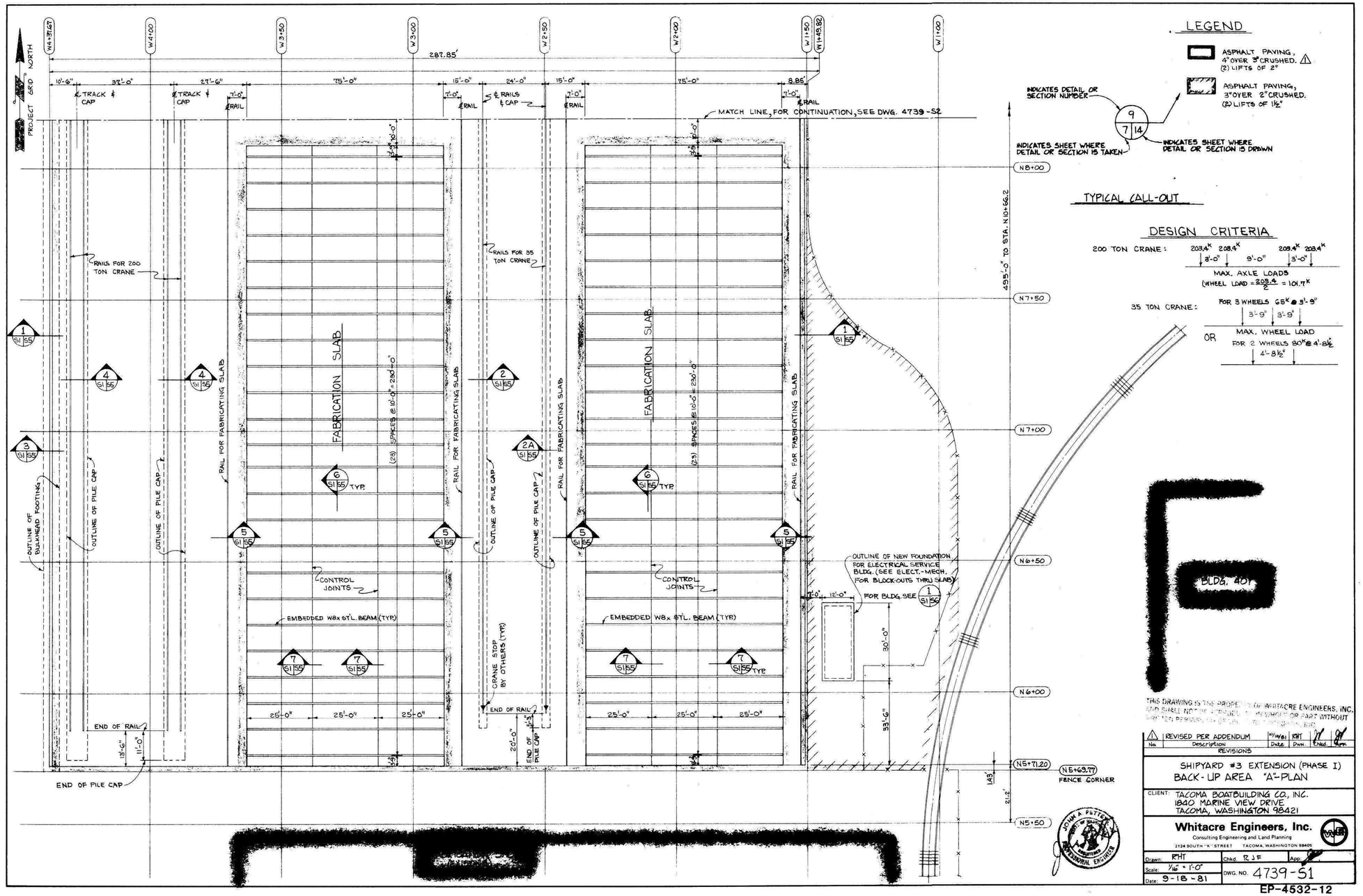
Port of Tacoma
P.O. BOX 1837 TACOMA, WA 98401 (253) 383-9841

MARK:	REVISION:	BY:	APPR:	DATE:

OAI ARCHITECTURE + PLANNING
1001 SW KLICKITAT WAY, STE. 204
SEATTLE, WA 98134 | (206) 631-8442

FOR REFERENCE ONLY

NOTE:
THIS PLAN IS ROTATED 90 DEGREES FROM PEMB PLAN ON PREVIOUS SHEET:



1 (E) SLAB PLAN

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MARK:	REVISION:	BY:	APPR:	DATE:

MARC DAVID RITCHIE — STATE OF WASHINGTON — 23757 — STRUCTURAL — PROFESSIONAL ENGINEER — 4-3-2025

APPROVED:			Checker		
			CHECKED BY		DATE
			PSM		04-11-2025
		DIRECTOR ENG.		DATE	PROJ. ENGR
		PRINTED BY:	JJM		
		PORT ADDRESS:	407 E. ALEXANDER AVE		
			TACOMA, WA 98422		

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REFERENCE RECORD DRAWING

6710
S1.2
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CONT/CONS:	000000292	TOWNSHIP:	21	RANGE: 03	SECTION: 27
M. ID:	101686.01	DAT-HRZ:	WA83-SF	VERT:	
PHASE:	PERMIT SUBMITTAL	PARCEL:		DRAWING SCALE:	AS INDICATED

MECHANICAL ENERGY CODE NOTES

1. MECHANICAL SYSTEMS HAVE BEEN DESIGNED PER THE REQUIREMENTS OF THE FOLLOWING CODES:
- 2021 WASHINGTON STATE ENERGY CODE (WASHINGTON ADMINISTRATIVE CODE (WAC) CHAPTER 51-11C)
- 2021 INTERNATIONAL BUILDING CODE WITH WASHINGTON STATE AMENDMENTS (WAC CHAPTER 51-50)
- 2021 INTERNATIONAL MECHANICAL CODE WITH WASHINGTON STATE AMENDMENTS (WAC CHAPTER 51-52)
- 2021 UNIFORM PLUMBING CODE WITH WASHINGTON STATE AMENDMENTS (WAC CHAPTER 51-56)
- 2021 INTERNATIONAL FUEL GAS CODE WITH WASHINGTON STATE AMENDMENTS (WAC CHAPTER 51-52)
- 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN

1. HEATING SYSTEMS HAVE BEEN SIZED IN ACCORDANCE WITH STANDARD ENGINEERING PRACTICES AND AS REQUIRED BY 2021 WSEC SECTION C402.1.1.1 LOW ENERGY BUILDINGS. HVAC SYSTEMS HAVE BEEN DESIGNED TO PROVIDE A PEAK DESIGN RATE OF 3.4 BTU/H PER SF OR 1.0 WATT PER SF.

2. OUTSIDE AIR VENTILATION AND EXHAUST SHALL BE PROVIDED IN ACCORDANCE WITH 2021 IMC WITH WASHINGTON STATE AMENDMENTS TABLE 403.3.1.1 (OR TABLE 403.4.2 FOR RESIDENTIAL) FOR MINIMUM REQUIRED RATES AND NO MORE THAN 150% OF THE MINIMUM RATES PER 2021 WSEC SECTION C403.2.2.1.

3. CONTROLS FOR SYSTEMS THAT DO NOT OPERATE CONTINUOUSLY SHALL BE CAPABLE OF PROVIDING SEVEN DAY PROGRAMMABLE TEMPERATURE SETTINGS, AUTOMATIC SETBACK AND SHUTOFF AND OPTIMUM START AS REQUIRED BY 2021 WSEC SECTION C403.4.2.

4. MOTORIZED DAMPERS SHALL BE PROVIDED FOR POSITIVE SHUT OFF AS REQUIRED BY 2021 WSEC SECTION C403.7.8.1, INCLUDING MAXIMUM LEAKAGE RATES. GRAVITY DAMPERS USED FOR OUTSIDE AIR INTAKE SHALL BE PROTECTED FROM WIND INFLUENCES.

5. PROVIDE WITH AT LEAST 70% EFFICIENT OR ELECTRONICALLY COMMUTATED MOTOR (ECM) AS REQUIRED BY 2021 WSEC SECTION C405.8 FOR FRACTIONAL HORSEPOWER FAN MOTORS THAT ARE 1/12 HORSEPOWER AND LARGER AND ARE NOT OTHERWISE REGULATED BY THE CODE.

6. FUNCTIONAL TESTING OF MECHANICAL SYSTEMS SHALL BE PROVIDED BY DIVISION 23 TO ENSURE PROPER OPERATION IN ALL SEQUENCES OF OPERATIONS INCLUDING POWER FAILURE AS REQUIRED BY 2021 WSEC SECTION C408.1.2.2.

7. COPIES OF ALL APPLICABLE SERVICE AND EQUIPMENT DATA, AND PROJECT DOCUMENTATION THAT RELATES, SHALL BE PROVIDED TO THE BUILDING OWNER AND/OR THEIR REPRESENTATIVES WITHIN 90 DAYS OF RECEIPT OF THE CERTIFICATE OF OCCUPANCY AS REQUIRED BY 2021 WSEC SECTION C103.6 INCLUDING:
- RECORD DRAWINGS DEPICTING FINAL INSTALLATION CONFIGURATIONS OF SYSTEMS AND EQUIPMENT
- OPERATION AND MAINTENANCE EQUIPMENT MANUALS INCLUDING: MANUFACTURER'S INFORMATION ON SPECIFIC MODEL NUMBERS AND OPTIONS INSTALLED, CONTROLS DATA INCLUDING CALIBRATION AND DESIGN SETPOINT INFORMATION, AND RECOMMENDED MAINTENANCE SCHEDULE WITH A REPUTABLE SERVICE CONTRACTOR'S CONTACT INFORMATION.
- REPORTS SUCH AS START-UP AND/OR PRESSURE TESTING DATA AS APPLICABLE.
- TRAINING OF THE MAINTENANCE STAFF SHALL BE PROVIDED, INCLUDING REVIEW OF DOCUMENTATION, HANDS-ON DEMONSTRATION OF OPERATION AND START-UP PROCEDURES AS WELL AS A TRAINING COMPLETION REPORT.

OTHER CODE NOTES

AMERICANS WITH DISABILITIES ACT
- ROOM THERMOSTATS, SENSORS AND SWITCHES SHALL BE MOUNTED ON WALLS NO MORE THAN 48" ABOVE FINISHED FLOOR FOR ADA ACCESSIBILITY.

ASHRAE 62.1
- PRODUCT CONVEYING EXHAUST DUCTWORK THAT IS LOCATED IN AN OCCUPIED SPACE SHALL BE UNDER NEGATIVE PRESSURE OR SHALL BE SEALED TO SMACNA SEAL CLASS 'A' AS REQUIRED BY ASHRAE 62.1.

INTERNATIONAL BUILDING CODE
- PROVIDE SEISMIC BRACING AND SUPPORTS IN ACCORDANCE WITH THE 2021 IBC FOR SEISMIC DESIGN CATEGORY D AND BASED ON A SEISMIC IMPORTANCE FACTOR OF 1.0 FOR ALL SYSTEMS, EXCEPT THE GAS PIPING SHALL USE AN IMPORTANCE FACTOR OF 1.5.
- THROUGH PENETRATIONS OF FIRE-RESISTANCE RATED ASSEMBLIES SHALL COMPLY WITH 2021 IBC SECTION 714.4.1 AND 714.5.1; REFER TO THE ARCHITECTURAL DRAWINGS FOR LOCATIONS. MEMBRANE PENETRATIONS OF FIRE RESISTANCE RATED WALLS AND ASSEMBLIES SHALL COMPLY WITH 2021 IBC SECTIONS 714.4.2 AND 714.5.2.

INTERNATIONAL MECHANICAL CODE
- MAINTAIN 10'-0" MINIMUM DISTANCE BETWEEN AIR INTAKE OPENINGS AND PLUMBING VENTS, EXHAUST AND COMBUSTION AIR OUTLETS AS REQUIRED BY 2021 IMC WITH WASHINGTON STATE AMENDMENTS SECTION 401.4.

GENERAL NOTES

1. THE FOLLOWING NOTES APPLY TO ALL MECHANICAL DRAWINGS. ADDITIONAL MECHANICAL NOTES MAY BE INDICATED ON EACH MECHANICAL, PLUMBING AND FIRE PROTECTION DRAWING. REFER TO THE PROJECT SPECIFICATIONS FOR ADDITIONAL DETAILS.

2. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR GENERAL CONSTRUCTION INCLUDING LOUVERS, CONCRETE EQUIPMENT PADS, FLASHING DETAILS, ETC.

3. ENGINEERED DRAWINGS ARE DIAGRAMMATIC IN NATURE AND DO NOT NECESSARILY REFLECT EVERY REQUIRED OFFSET, FITTING OR ACCESSORY. REFER TO SYSTEM SCHEMATIC DIAGRAMS FOR ADDITIONAL DESIGN INFORMATION INCLUDING VALVE SIZES AND LOCATIONS.

4. THE CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO BEGINNING WORK IN ORDER TO OBSERVE EXISTING CONDITIONS. VERIFY EXACT SIZE, LOCATION AND CONDITION OF ALL EXISTING SYSTEMS, DUCTS, PIPES, UTILITIES AND BUILDING STRUCTURE. VERIFY VOLTAGES AT THE SITE PRIOR TO ORDERING ANY EQUIPMENT.

5. ARRANGE MECHANICAL EQUIPMENT SO THAT NO LESS THAN THE MINIMUM OPERATING AND SERVICE CLEARANCES ARE PROVIDED AS REQUIRED BY CODE AND/OR THE EQUIPMENT MANUFACTURER'S INSTALLATION INSTRUCTIONS.

6. ALL MECHANICAL EQUIPMENT THAT REQUIRE ELECTRICAL CONNECTION SHALL HAVE AN 8-1/2" X 11" LAMINATED SIGN PERMANENTLY MOUNTED ON THE ELECTRICAL ENCLOSURES THAT INDICATES: "THIS EQUIPMENT MUST HAVE A MINIMUM ACCESS OF 36" (LESS THAN 460V) AND 42" (460V AND ABOVE).

7. A 120-VOLT SERVICE RECEPTACLE SHALL BE LOCATED WITHIN 25' OF EACH PIECE OF EQUIPMENT. DISCONNECT AND ALL LINE VOLTAGE SYSTEMS SHALL BE PROVIDED BY DIVISION 26.

8. MECHANICAL DRAWINGS SHOW RECOMMENDED LOCATIONS FOR GRILLES AND DIFFUSERS. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS AND ELEVATIONS FOR EXACT LOCATIONS.

9. REFER TO ARCHITECTURAL DRAWINGS FOR ROOM ELEVATIONS AND PLUMBING FIXTURE MOUNTING HEIGHTS. LOCATE MECHANICAL DEVICES SUCH AS THERMOSTATS, PANELS, ETC. SO THAT THEY DO NOT CONFLICT WITH GENERAL CONSTRUCTION, OR ELECTRICAL SYSTEM (LIGHT SWITCHES, PANELS, OUTLETS, ETC.).

10. PROVIDE AIR DISTRIBUTION (SUPPLY/ RETURN/EXHAUST) SHOP DRAWINGS COORDINATED WITH OTHER TRADES. REFER TO SPECIFICATIONS FOR ADDITIONAL SHOP DRAWING REQUIREMENTS.

11. SMOKE DETECTOR WIRE SHALL BE PROVIDED BY DIVISION 26; SIGNAL SHALL BE RECEIVED BY DIVISION 28. SMOKE DETECTION SHALL SHUT DOWN ASSOCIATED EQUIPMENT AND PROVIDE ALARM TO THE FIRE ALARM CONTROL PANEL.

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
ARCH	ARCHITECT/ARCHITECTURAL
BDD	BACKDRAFT DAMPER
BHP	BRAKE HORSEPOWER
BLDG	BUILDING
CFM	CUBIC FEET PER MINUTE
CLG	CEILING
CO	CARBON MONOXIDE
CO2	CARBON DIOXIDE
Ø	DIAMETER
DBA	DECIBELS, A-WEIGHTED
DEG F	DEGREES IN FAHRENHEIT
DIA	DIAMETER
DWG	DRAWING
EA	EXHAUST AIR OR EACH
ECM	ELECTRONICALLY COMMUTATED MOTOR
ELECT	ELECTRICAL
ETC	ET CETERA
EXH	EXHAUST
FT	FOOT OR FEET
H	HEIGHT
HP	HORSEPOWER
HVAC	HEATING, VENTILATING AND AIR-CONDITIONING
IBC	INTERNATIONAL BUILDING CODE
IMC	INTERNATIONAL MECHANICAL CODE
IN	INCHES
KW	KILOWATTS
L	LENGTH
LBS	POUNDS
MAX	MAXIMUM
MBH	1,000 BTU/HR
MCA	MINIMUM CIRCUIT AMPS
MD	MOTORIZED DAMPER
MECH	MECHANICAL
NA,N/A	NOT APPLICABLE
OSA	OUTSIDE AIR
RPM	REVOLUTIONS PER MINUTE
SA	SUPPLY AIR
SP	STATIC PRESSURE
SS	STAINLESS STEEL
TSTAT	THERMOSTAT
TYP	TYPICAL
UL	UNDERWRITERS LABORATORIES
UNO	UNLESS NOTED OTHERWISE
V	VOLTS
VEL	VELOCITY
WSEC	WASHINGTON STATE ENERGY CODE

DUCTWORK SYMBOLS

- DUCT SECTION - SUPPLY
- DUCT SECTION - RETURN
- 20x12 — RECTANGULAR DUCT (INSIDE DIMENSION)
- 20"ø — ROUND DUCT
- FLEX CONNECTION
- L20x12 — LINED DUCT (INSIDE DIMENSION)
- L12x10 — LINED DUCT (INSIDE DIMENSION)
- 90° CONICAL SPIN-IN FITTING
- FLEXIBLE DUCT
- TURNING VANE
- CEILING DIFFUSER
- RETURN / EXHAUST / TRANSFER GRILLE OR REGISTER
- VOLUME DAMPER
- M — MOTORIZED DAMPER
- COMBINATION SMOKE/FIRE DAMPER
- DUCT FIRE DAMPER
- BACKDRAFT DAMPER
- S — SENSOR OR SCREEN FOR CONTROL
- T — THERMOSTAT

GENERAL SYMBOLS

- M-1 — MECHANICAL EQUIPMENT IDENTIFICATION

AIR TERMINAL MARK
- X / 200 — TYPE (SEE SCHEDULE); DESIGN CFM

DETAIL REFERENCE
- 1 / M2 — DETAIL NUMBER; DRAWING ON WHICH DETAIL IS LOCATED

SECTION REFERENCE
- A / M-2 — SECTION NUMBER; DRAWING ON WHICH SECTION IS LOCATED
- 1 — REVISION IDENTIFICATION
- 1 — FLAG NOTE

DRAWING INDEX

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1001 SW Klickitat Way, Suite 204
Seattle WA 98134 P: 206.920.6348

MARK: | REVISION: | BY: | APPR: | DATE:

BRIAN S BODE — STATE OF WASHINGTON — 22012376 — REGISTERED PROFESSIONAL ENGINEER

Checker CHECKED BY DATE

APPROVED: | DIRECTOR ENG. DATE | PROJ. ENGR DATE | PRINTED BY: BPE | SECTION: 27 | RANGE: 03 | TOWNSHIP: 21 | VERT: | DAT-HRZ: WA83-SF | PARCEL: | DRAWING SCALE: NOT TO SCALE

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TEMPORARY RELOCATION

MECHANICAL LEGEND AND NOTES

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19 OF 38

CONT/CONS: 000000292
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PHASE: BID SET

EXHAUST FAN SCHEDULE

EQUIP. NO.	AREA SERVED	FAN TYPE	AIRFLOW CFM	EXT SP IN WG	MOTOR				SONES (INLET)	FEI	DRIVE	MANUFACTURER & MODEL	WEIGHT	CONTROL	NOTES
					RPM	HP (W)	VOLTS	PHASE							
EF-1	SHOP	SIDEWALL	6,000	0.5	1,172	2.0	208	1	18.1	1.33	DIRECT	GREENHECK AER-24-02-0625-VG	223	ECM MOTOR WITH REMOTE DIAL	1, 2
EF-2	SHOP	SIDEWALL	6,000	0.5	1,172	2.0	208	1	18.1	1.33	DIRECT	GREENHECK AER-24-02-0625-VG	223	ECM MOTOR WITH REMOTE DIAL	1, 2

NOTES:
1. PROVIDE WITH DISCONNECT SWITCH.
2. PROVIDE WITH REMOTE ACCESSIBLE SPEED CONTROL DIAL 42" A.F.F.

UNIT HEATER SCHEDULE - ELECTRIC

EQUIP. NO.	AREA SERVED	TYPE	CFM	EXT TP IN WG	HEATING CAP		VOLTS	PHASE	AMPS	MAXIMUM MOUNTING HEIGHT	MANUFACTURER & MODEL	NOTES
					INPUT KW	STAGES						
UH-1	SHOP	UTILITY	520	-	3	1	208	1	15.9	8'-0" AFF	KING KBS2003-1-B1-CT24-RT	1, 2, 3
UH-2	SHOP	UTILITY	520	-	3	1	208	1	15.9	8'-0" AFF	KING KBS2003-1-B1-CT24-RT	1, 2, 3
UH-3	SHOP	UTILITY	520	-	3	1	208	1	15.9	8'-0" AFF	KING KBS2003-1-B1-CT24-RT	1, 2, 3
UH-4	SHOP	UTILITY	520	-	3	1	208	1	15.9	8'-0" AFF	KING KBS2003-1-B1-CT24-RT	1, 2, 3

NOTES:
1. PROVIDE 24V REMOTE THERMOSTAT.
2. PROVIDE WALL MOUNTING BRACKET.
3. HEATING SYSTEMS HAVE BEEN SIZED IN ACCORDANCE WITH STANDARD ENGINEERING PRACTICES AND AS REQUIRED BY 2021 WSEC SECTION C402.1.1.1 LOW ENERGY BUILDINGS. HVAC SYSTEMS HAVE BEEN DESIGNED TO PROVIDE A PEAK DESIGN RATE OF 3.4 BTU/H PER SF OR 1.0 WATT PER SF.

LOUVER SCHEDULE

EQUIP TAG	APPLICATION	CFM	FREE AREA (SQ. FT.)	FREE AREA AIR VELOCITY (FPM)	STATIC PRESSURE (IN. W.G.)	LOUVER SIZE (IN.)	MANUFACTURER & MODEL	NOTES
L-1	INTAKE	6,000	9.95	603	0.047	48 x 48	RUSKIN ELF6350DMP	1
L-2	INTAKE	6,000	9.95	603	0.047	48 x 48	RUSKIN ELF6350DMP	1
L-3	EXHAUST	6,000	5.32	1129	0.2	36 x 36	RUSKIN ELF6350DMP	2
L-4	EXHAUST	6,000	5.32	1129	0.2	36 x 36	RUSKIN ELF6350DMP	2

NOTES:
1. PROVIDE WITH CLASS 1 MOTORIZED DAMPER INTERLOCKED WITH EF-1 AND EF-2.
2. PROVIDE WITH BACKDRAFT DAMPER.

HVAC DUCT SPECIFICATION (WSEC): CLIMATE ZONE 4C

DUCT SYSTEM	PRESSURE CLASS	DUCT MATERIALS	FITTINGS	FLEX DUCT/ FLEX CONNECTION	SEAL CLASS	CLEANLINESS DURING CONSTRUCTION	INSULATION	LINING MATERIALS	SEISMIC IMPORTANCE FACTOR
HVAC LOW PRESSURE SUPPLY; FURNACE TO AIR TERMINALS	SMACNA +2" PRESSURE	GALVANIZED DUCT: GAUGE AND REINFORCEMENT SHALL BE SMACNA OR BETTER	ELBOWS: PURCHASED ADJUSTABLE ELBOWS IN ACCORDANCE WITH SMACNA +2" STANDARDS	8' MAXIMUM LENGTH WITH NO OFFSETS USE THERMA FLEX, GKM OR EQUAL	SMACNA SEAL CLASS LEVEL C 1/2" NO SEAL	FOLLOW BASIC "LEVEL A" SMACNA SMACNA GUIDELINES	SUPPLY AIR DUCT WITHIN CONDITIONED SPACE: R3.3	PROVIDE 1" INTERIOR LINING WHERE INDICATED ON PLANS	IP=10
HVAC LOW PRESSURE RETURN; AIR TERMINALS TO FURNACE	SMACNA -2" PRESSURE	SMACNA +2" PRESSURE ROUND MAY BE SNAPLOCK	CONICAL SPIN-IN FITTINGS ON ROUND BRANCHED DUCTS	FLEX AT EQUIPMENT CONNECTIONS TO COMPLY WITH SPEC APPLICABLE PRESSURE LEVEL C CLASS			RETURN AIR DUCT WITHIN CONDITION SPACE: R-8		
OUTSIDE AIR INTAKE	SMACNA -2" PRESSURE	GALVANIZED DUCT: GAUGE AND REINFORCEMENT SHALL BE SMACNA OR BETTER RECTANGULAR MAY BE S DRIVE ROUND MAY BE SNAPLOCK	ELBOWS: PURCHASED ADJUSTABLE ELBOWS IN ACCORDANCE WITH SMACNA -2" STANDARDS CONICAL SPIN-IN FITTINGS ON ROUND BRANCHED DUCTS	FLEX AT EQUIPMENT CONNECTIONS TO COMPLY WITH SPEC APPLICABLE PRESSURE LEVEL C CLASS	SMACNA SEAL CLASS LEVEL C	FOLLOW BASIC "LEVEL A" SMACNA GUIDELINES	WITHIN CONDITIONED SPACE: R-7	PROVIDE 1" INTERIOR LINING WHERE INDICATED ON PLANS	IP=10
							WITHIN CONDITIONED SPACE, UPSTREAM OF SHUT-OFF DAMPER: R-16		
EXHAUST LOW PRESSURE	SMACNA -2" PRESSURE	GALVANIZED DUCT: GAUGE AND REINFORCEMENT SHALL BE SMACNA OR BETTER RECTANGULAR MAY BE S DRIVE ROUND MAY BE SNAPLOCK	ELBOWS: PURCHASED ADJUSTABLE ELBOWS IN ACCORDANCE WITH SMACNA -2" STANDARDS CONICAL SPIN-IN FITTINGS ON ROUND BRANCHED DUCTS	FLEX AT EQUIPMENT CONNECTIONS TO COMPLY WITH SPEC APPLICABLE PRESSURE CLASS	SMACNA SEAL CLASS LEVEL C	FOLLOW BASIC "LEVEL A" SMACNA QUIDELINES	WITHIN CONDITIONED SPACE, UPSTREAM OF SHUT-OFF DAMPER: R-8	PROVIDE 1" INTERIOR LINING WHERE INDICATED ON PLANS	IP=10
							WITHIN CONDITIONED SPACE, DOWNSTREAM OF SHUT-OFF DAMPER: R-16		
VOLUME DAMPERS	N/A	SMACNA REQUIREMENTS	N/A	N/A	PER APPLICABLE DUCT SYSTEM	PER APPLICABLE DUCT SYSTEM	PER APPLICABLE DUCT SYSTEM	N/A	N/A

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APPROVED:

EBC SILVERBACK
TEMPORARY RELOCATION
MECHANICAL SCHEDULES

6710
M0.2
20 OF 38

CONT/CONS: 0000000292 | TOWNSHIP: 21 | RANGE: 03 | SECTION: 27
M. ID: 101686.01 | DAT-HRZ: WA83-SF | VERT:
PHASE: BID SET | PARCEL: | DRAWING SCALE: NOT TO SCALE

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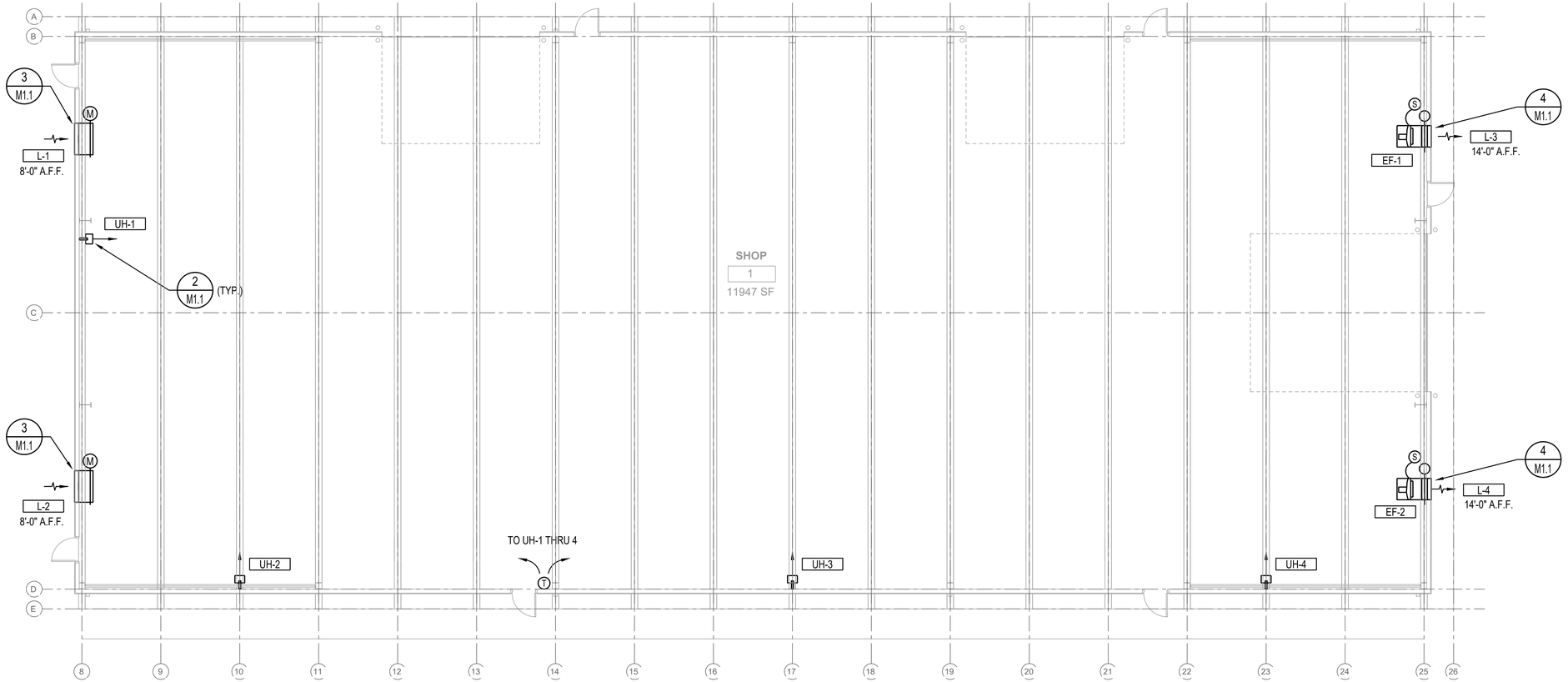
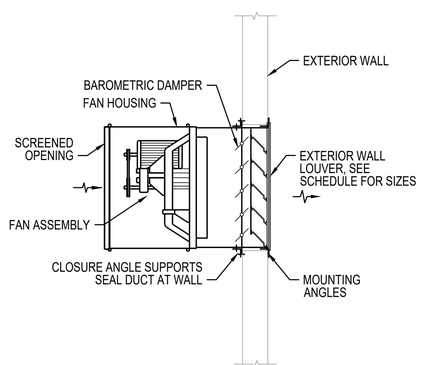


1 M1.1 MECHANICAL FLOOR PLAN

SCALE: 1/8" = 1'-0"

NORTH



4 M1.1 EXHAUST FAN DETAIL

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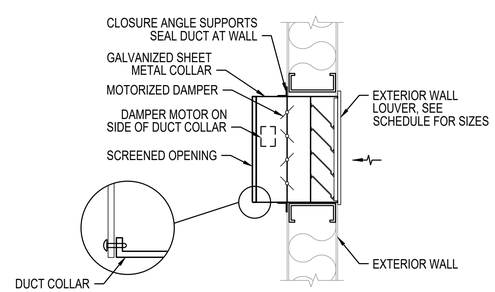
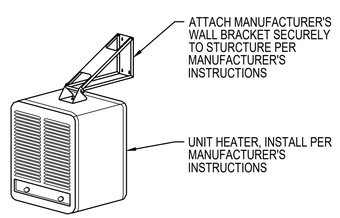


3 M1.1 WALL AIR INTAKE GRILLE DETAIL

SCALE: NOT TO SCALE



2 M1.1 WALL MOUNTED ELECTRIC HEATER

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22012376
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PROFESSIONAL ENGINEER

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EBC SILVERBACK
TEMPORARY RELOCATION

MECHANICAL FLOOR PLAN

DIRECTOR ENG. DATE			
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6710
M1.1
21 OF 38

CONT/CONS:	000000292
M. ID:	101686.01
PHASE:	BID SET

PLAN SYMBOLS

GROUNDING

- GROUND CABLE CONNECTION
- GROUND ROD CONNECTION
- GROUND CABLE PIGTAIL
- G — GROUND CABLE (UNDERGROUND)
- EQUIPMENT/STRUCTURAL GROUND CONNECTION

POWER

- PANELBOARD, 208Y/120V, 3 PHASE
- PANELBOARD, 480V OR 480Y/277V, 3 PHASE
- X / Y — EQUIPMENT IDENTIFICATION "X" DENOTES EQUIPMENT NUMBER "Y" DENOTES HP OR AMPS
- SPECIAL PANELBOARD/ENCLOSURE (TYPE AS NOTED)
- CB — ENCLOSED CIRCUIT BREAKER DISCONNECT (SIZE AS NOTED)
- VS — VARIABLE SPEED MOTOR STARTER
- SS — SOLID STATE MOTOR STARTER
- 30/20 — DISCONNECT SWITCH (FUSED OR UNFUSED) SWITCH RATING/FUSE RATING
- MAGNETIC MOTOR STARTER (COMBINATION)
- MANUAL MOTOR STARTER
- T — TRANSFORMER (SIZE AS SHOWN, IN KVA)
- JUNCTION BOX
- ESTOP SWITCH – MAINTAINED
- PB — PULL BOX
- HH — HAND HOLE
- MH — MAN HOLE
- OFF/ON SELECTOR SWITCH CONTROL STATION
- STOP–START PUSHBUTTON CONTROL STATION
- 460 VOLT MOTOR (SIZE AS NOTED)
- 208 VOLT OR 240 V MOTOR (SIZE AS NOTED)
- 115 VOLT MOTOR (SIZE AS NOTED)
- C — CONTACTOR
- $T — MECHANICAL TIMER SWITCH
- SV — SOLENOID VALVE
- CORD REEL

CONDUIT & WIRE

- CONDUIT SURFACE MOUNTED OR CONCEALED.
- —E— CONDUIT IN WALL OR CEILING SPACE. CONTAINS ONE AWG #12 PHASE, AND ONE AWG #12 NEUTRAL CONDUCTOR UNLESS OTHERWISE NOTED. "E" INDICATES EMERGENCY CIRCUIT.
- CONDUIT UNDERGROUND, UNDER FLOOR SLAB, OR IN CEILING SPACE OF FLOOR BELOW WITH CONDUCTORS AS ABOVE.
- CONDUIT ONLY. C.O.
- FLEXIBLE METAL CONDUIT. PROVIDE CIRCUIT CONDUCTORS REQUIRED BASED ON 60 DEGREE CELCIUS CONDUCTOR RATING.
- INDICATES PHASE CONDUCTOR (#12 OR SIZE AS NOTED)
- INDICATES NEUTRAL CONDUCTOR (#12 OR SIZE AS NOTED)
- INDICATES GROUND CONDUCTOR (#12 OR SIZE AS NOTED)
- INDICATES ISOLATED GREEN GROUND CONDUCTOR (#12 OR SIZE AS NOTED)
- #10 — HOMERUN W/7#10 SHOWING CIRCUIT SOURCE (PANEL/PANEL POSITION) — 1D6–1/1,3,5,7
- HOMERUN W/CIRCUIT SOURCE & CONDUIT & WIRE SIZE NOTED — 1B2–8/1,3,5 — 1–1/2"C,3#2+#2/ON+2#8G

CONDUIT & WIRE CONT'D

- CONDUIT TURNS DOWN
- CONDUIT TURNS UP
- CONDUIT SEAL
- CABLE TRAY

POWER RECEPTACLES

- 120V, 20A, 1 PHASE, 2 POLE, 3 WIRE SIMPLEX RECEPTACLE
- 120V, 15A, 1 PHASE, 2 POLE, 3 WIRE RECEPTACLE, NEMA 5–15R, HUBBELL #5262
- 120V, 15A, 1 PHASE, 2 POLE, 3 WIRE, DUPLEX CORD DROP RECEPTACLE, NEMA 5–15R, HUBBELL #5262
- 20 — 120V, 20A, 1 PHASE, 2 POLE, 3 WIRE, RECEPTACLE, NEMA 5–20R, HUBBELL #5362
- 30 — 120V, 30A, 1 PHASE, 2 POLE, 3 WIRE, TWISTLOCK RECEPTACLE, NEMA L5–30R, HUBBELL #2610A
- 120V, 15A, 1 PHASE, 2 POLE, 3 WIRE DOUBLE DUPLEX RECEPTACLE, NEMA 5–15R, HUBBELL #5262
- 30 — 208V, 30A, 3 PHASE, 4 POLE, 3 WIRE + GROUND NEMA L15–30R TWIST LOCK RECEPTACLE
- 30 — 208V, 30A, 1 PHASE, 2 WIRE, 3 POLE, CORD DROP WITH TWISTLOCK, NEMA L6–30R, HUBBELL #2623
- 30 — 480V, 30A, 3 PHASE, 4 POLE, 3 WIRE + GROUND NEMA L16–30R TWIST LOCK RECEPTACLE
- WP — 15A, 125V, DUPLEX IN A WEATHERPROOF ENCLOSURE (NEMA 3R RAINTIGHT)
- GFI — 15A, 125V, DUPLEX WITH BUILT IN GROUND FAULT CIRCUIT INTERRUPTER, HUBBELL GF5262I
- FLOOR BOX WITH 20A 120V FOURPLEX AND DATA COMPARTMENT
- 208V, 20A, 1 PHASE, 2 POLE, 3 WIRE, TWISTLOCK RECEPTACLE, NEMA L6–30R, HUBBELL #2320A
- 50 — NEMA 14–50R STRAIGHT BLADE, 120/208V, 1Ø, 3–POLE, 4–WIRE RECEPTACLE, 50A.

FIRE DETECTION

- FACP — FIRE ALARM CONTROL PANEL
- FAA — FIRE ALARM ANNUNCIATION PANEL
- F — MANUAL PULL STATION
- F HZ — MANUAL PULL STATION (HAZARDOUS LOC. RATED)
- HORN WITH STROBE
- HIGH VOLUME HORN/STROBE CLUSTER
- STROBE ONLY
- HZ — HORN ONLY (HAZARDOUS LOC. RATED)
- HZ — HIGH VOLUME HORN (HAZARDOUS LOC. RATED)
- HZ — STROBE ONLY (HAZARDOUS LOC. RATED)
- T — THERMAL SENSOR
- T HZ — THERMAL SENSOR (HAZARDOUS LOC. RATED)
- IM — ALARM INPUT MODULE
- OM — ALARM OUTPUT MODULE
- S — SMOKE DETECTOR
- S — DUCT SMOKE DETECTOR
- REMOTE TEST STATION WITH KEY
- FS — FLOW SWITCH
- PS — PRESSURE SWITCH
- TS — TAMPER SWITCH
- END OF LINE RESISTOR
- EOLF — END OF LINE CAPACITOR

DATA / NETWORK

- # — DATA OUTLET (# OF PORTS AS NOTED)
- DATA / TELEPHONE OUTLET
- DATA / POWER POLE
- DC — DATA CABINET, CHATSWORTH
- ACP — ACCESS CONTROL PANEL
- VSS — CCTV MEDIA CONVERTER ENCLOSURE
- 360 DEGREE PTZ CAMERA

REMOVAL

- CONDUIT TO BE REMOVED
- EQUIPMENT OR MATERIALS TO BE DISCONNECTED AND REMOVED

LIGHTING

- LIGHT FIXTURE – SHADED CONNECTED TO EMERGENCY CIRCUIT
- EXIT SIGN, WALL MOUNTED. DIRECTIONAL ARROW SHOWN
- EXIT SIGN, CEILING MOUNTED. DIRECTIONAL ARROW SHOWN
- X / Y — FIXTURE IDENTIFICATION "X" DENOTES FIXTURE TYPE "Y" DENOTES WATTAGE OF FIXTURE
- R3 1 — BRANCH CIRCUIT NUMBER; LCP RELAY IDENTIFICATION
- $LV — LIGHTING CONTROL SWITCH, LOW VOLTAGE AIRLINK BLUE, BLUETOOTH
- OS — OCCUPANCY SENSOR, LOW VOLTAGE MATCHED TO LIGHTING CONTROL SYSTEM
- PE — DAYLIGHT PHOTOCELL, LOW VOLTAGE MATCHED TO LIGHTING CONTROL SYSTEM
- LCP — LIGHTING CONTROL PANEL LSI AIRLINK BLUE TIME KEEPER
- RCP — RECEPTACLE CONTROL PANEL
- RECESSED LED DOWNLIGHT
- HIGH BAY FIXTURE
- LB — LOW BAY FIXTURE
- RECESSED 2'X4' FIXTURE
- RECESSED 2'X2' FIXTURE
- STRIP LIGHT FIXTURE
- STRIP LIGHT FIXTURE, CLASS 1, DIV. 2
- WALL PACK
- FLOOD LIGHT
- HIGH BAY PENDANT FIXTURE

CONTROLS/INSTRUMENTATION

- AE — ANALYTICAL ELEMENT (PH, ORP)
- AT — ANALYTICAL TRANSMITTER (PH, ORP)
- FS — FLOW SWITCH
- FT — FLOW TRANSMITTER
- LS — LEVEL SWITCH
- LT — LEVEL TRANSMITTER
- M — MOTORIZED VALVE
- PS — PRESSURE SWITCH
- PT — PRESSURE TRANSMITTER
- SV — SOLENOID VALVE
- TE — TEMPERATURE ELEMENT (RTD, TIC)
- TS — TEMPERATURE SWITCH
- TT — TEMPERATURE TRANSMITTER
- ZS — POSITION SWITCH

WIRING DIAGRAM SYMBOLS

SINGLE LINE

- TRANSFORMER (DASHED LINE INDICATES ELECTROSTATIC SHIELD)
- SURGE ARRESTER
- CIRCUIT BREAKER (DRAW–OUT TYPE)
- 2 — 480:120 — POTENTIAL TRANSFORMER QUANTITY & RATIO AS SHOWN
- 3 — 800:5 — CURRENT TRANSFORMER QUANTITY & RATIO AS SHOWN
- A — AS — AMMETER w/SWITCH
- V — VS — VOLTMETER w/SWITCH
- WHM — WATTHOUR METER
- E19–1 400 A M. BKR. 3 PH, 4 W — 480V OR 480Y/277V PANELBOARD (RATINGS AS NOTED)
- E19–3 225 A M. BKR. 3 PH, 4 W — 208V OR 208Y/120V PANELBOARD (RATINGS AS NOTED)

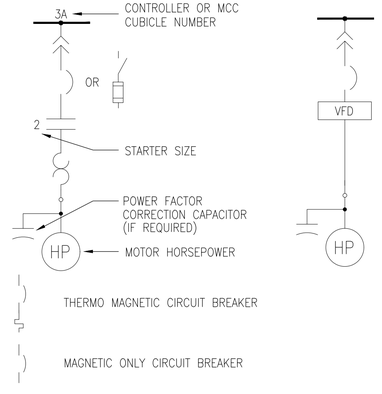
SINGLE LINE

- FUSED SWITCH
- M.V. DISCONNECT SWITCH
- 60 NF — (NF OPTION) L.V. DISCONNECT SWITCH (NON FUSED) SWITCH RATING
- K — INTERLOCK K=KEY M=MECHANICAL E=ELECTRICAL
- XX — FEEDER TYPE DESIGNATION
- XXX/XXX — AVAILABLE FAULT CURRENT (CLOSED TRANSITION/NORMAL)
- XXX,XXX — EQUIPMENT AIC RATING
- *XXX — APPROXIMATE FEEDER LENGTH IN FEET TO BE CONFIRMED LATER.

SCHEMATIC

- DISCONNECT SWITCH
- FUSE
- CIRCUIT BREAKER
- TRANSFORMER
- GROUND CONNECTION
- PILOT LIGHT * INDICATES COLOR
- PUSHBUTTON MOMENTARY CONTACT NORMALLY OPEN
- PUSHBUTTON MOMENTARY CONTACT NORMALLY CLOSED
- OFF ON — SELECTOR SWITCH MAINTAINED CONTACT TWO POSITION
- 1 2 3 — SELECTOR SWITCH MAINTAINED CONTACT THREE POSITION
- SOLENOID VALVE
- PRESSURE SWITCH – N.C. OPENS ON RISING PRESSURE
- PRESSURE SWITCH – N.O. CLOSES ON RISING PRESSURE
- FLOAT OR LEVEL SWITCH – N.C. OPENS ON RISING LEVEL
- FLOAT OR LEVEL SWITCH – N.O. CLOSES ON RISING LEVEL
- FLOW SWITCH – N.C. OPENS ON INCREASE IN FLOW
- FLOW SWITCH – N.O. CLOSES ON INCREASE IN FLOW
- TEMPERATURE SWITCH – N.C. OPENS ON RISING TEMP
- TEMPERATURE SWITCH – N.O. CLOSES ON RISING TEMP
- LIMIT SWITCH – N.C.
- LIMIT SWITCH – N.O.
- * — RELAYS & COILS *=TYPE M=MOTOR STARTER CR=CONTROL RELAY C=CONTACTOR TR=TIME DELAY OR TIMING RELAY
- N.O. CONTACT
- N.C. CONTACT
- N.O. – ON DELAY CONTACT
- N.C. – ON DELAY CONTACT
- N.O. – OFF DELAY CONTACT
- N.C. – OFF DELAY CONTACT

COMBINATION STARTER



CONTROL PANELS

- A01 — PANEL TERMINAL WITH NUMBER
- 851–555 — PANEL WIRING WITH WIRE NUMBER
- 851–666 — FIELD WIRING WITH WIRE NUMBER
- TERMINAL IN MCC
- TERMINAL IN PLC CONTROL PANEL
- REMOTE TERMINAL FIELD
- PANEL DEVICE TERMINAL
- CONTROL PANEL TERMINAL
- FLEX I/O TERMINAL
- FUSE

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EBC SILVERBACK TEMPORARY RELOCATION

ELECTRICAL SYMBOLS

PA: POT–PA–000000292	TOWNSHIP: 21 NORTH	SECTION: 27	DRAWING SCALE: NONE
PROJ. ID: 101686.01	RANGE: 03	VERT:	
PHASE: BID SET	DAT–HRZ: WA83–SF	PARCEL:	

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ABBREVIATIONS

A	AMMETER, AMPERE, AMPS
ABND	ABANDON
ABV	ABOVE
AC	ASPHALTIC CONCRETE/ALTERNATING CURRENT
ACP	ASPHALT CONCRETE PAVEMENT
ADS	ADS CORRUGATED POLYETHYLENE PIPE
AF	AMP FRAME
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
AIC	AMPS INTERRUPTING CAPACITY
AL	ALUMINUM
ALT	ALTERNATE
AM	AMMETER
AMP	AMPERE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
ASPH	ASPHALT
ASTM	AMERICAN SOCIETY FOR TESTING MATERIAL
AT	AMP TRIP
ATS	AUTOMATIC TRANSFER SWITCH
AUX	AUXILIARY
AUTO	AUTOMATIC
AVG	AVERAGE
AWG	AMERICAN WIRE GAUGE
BATT	BATTERY
BC	BOLT CIRCLE/BARE COPPER
BET	BETWEEN
BITUM	BITUMINOUS
BLDG	BUILDING
BM	BENCH MARK
BKR	BREAKER
BOT	BOTTOM
C	CONDUCTOR
CAB	CABINET
CAT	CATALOG
CB	CATCH BASIN OR CIRCUIT BREAKER
CCP	CRANE CONTROL CABINET
CCR	CONSTANT CURRENT REGULATOR
CEM	CEMENT
CF	CUBIC FOOT
CI	CAST IRON
CIP	CAST-IN-PLACE
CJ	CONSTRUCTION JOINT
CKT	CIRCUIT
CLR	CLEAR
CL	CLASS OR CENTERLINE
CLG	CEILING
CMP	CORRUGATED METAL PIPE, CENTRAL MECHANICAL PLANT
CMU	CONCRETE MASONRY UNIT(S)
CO	CONDUIT ONLY
COL	COLUMN
COMM	COMMUNICATION(S)
CONC	CONCRETE
COND	CONDUIT
CONN	CONNECT/CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS/CONTINUE
CONTR	CONTRACTOR
COORD	COORDINATE
CP	CONCRETE PIPE
CPD	CAPPED
CPT	CONTROL POWER TRANSFORMER
CR	CONTROL RELAY
CRS	PVC COATED RIGID STEEL
CS	CONTROL SWITCH/CONTROL STATION
CSA	CANADIAN STANDARDS ASSOCIATION
CT	CURRENT TRANSFORMER
CTE	CENTRAL TERMINAL EXPANSION
CTR	CENTER
CTRL	CONTROL
CTS	CURRENT TEST SWITCH
CU	COPPER
CY	CUBIC YARD
DB	DUCT BANK
DBC	DIRECT BURIAL CABLE
DC	DIRECT CURRENT
DDC	DIRECT DIGITAL CONTROL
DED	DEDICATED
DET	DETAIL
DIA	DIAMETER
DIFF	DIFFERENTIAL
DIM	DIMENSION
DIP	DUCTILE IRON PIPE
DISC	DISCONNECT
DISTR	DISTRIBUTION
DN	DOWN
DO	DITTO
DP	DISTRIBUTION PANELBOARD
DS	DISCONNECT SWITCH
DWG	DRAWING
E	EAST
EA	EACH
EC	ELECTRICAL CONDUIT
ED	ELECTRICAL DUCT
EF	EXHAUST FAN
EGC	EQUIPMENT GROUND CONDUCTOR
EI	ELECTRICAL INTERLOCK
ELEC	ELECTRIC/ELECTRICAL
EL	ELEVATION
ELT	EQUIPMENT LIGHT
EMBT	EMBEDMENT
EMT	ELECTRICAL METALLIC TUBING
EMERG	EMERGENCY
ENCL	ENCLOSURE
ENGR	ENGINEER
EPO	EMERGEN POWER OFF
EOP	EDGE OF PAVEMENT
EPR	ETHYLENE PROPYLENE RUBBER
EQ	EQUAL
EQUIP	EQUIPMENT
EQUIV	EQUIVALENT
ETL	ELECTRICAL TESTING LABORATORY
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EXIST	EXISTING
EXH	EXHAUST
EXT	EXPANSION JOINT
EXP	EXPOSED
EXT	EXTERIOR
E-W	EAST-WEST
F	FARENHEIT, FEEDER
F/A	FIRE ALARM
FAA	FIREARM AMMUNITION PANEL
FACP	FIRE ALARM CONTROL PANEL
FC	FOOT CANDLE
FD	FLOOR DRAIN
FDN	FOUNDATION
FDR	FEEDER
FH	FIRE HYDRANT
FHP	FRACTIONAL HORSEPOWER
FIN	FINISHED
FIN FL	FINISHED FLOOR
FIXT	FIXTURE
FL	FLOOD LIGHT
FLEX	FLEXIBLE CONDUIT
FLR	FLOOR
FLUOR	FLUORESCENT
FM	FACTORY MUTUAL
FO	FIBER OPTIC
FS	FAR SIDE
FT	FOOT (FEET)
FTG	FOOTING
FU	FUSE
FUT	FUTURE
FV	FULL VOLTAGE
FVR	FULL VOLTAGE REVERSING
FVNR	FULL VOLTAGE NON-REVERSING
G	GREEN INDICATING LIGHT/ GROUND (ELECTRICAL)
GALV	GALVANIZED
GB	GROUND BEAM
GCB	GAS CIRCUIT BREAKER
GEC	GROUNDING ELECTRODE CONDUCTOR
GEN	GENERATOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFI	GROUND FAULT INTERRUPTER
GND	GROUND
GR	GROUND ROD
GRS	GALVANIZED RIGID STEEL
GSC	GATE SERVICE CABINET
GV	GATE VALVE
GWB	GYPSUM WALLBOARD
H	HEIGHT (HIGH)
HBS	HIGH BUS SUPPORT
HCC	HOIST CONTROL CABINET
HCO	ANNUNCIATOR HORN CIRCUIT
HDSS	HIGH BUS DISCONNECT SWITCH SUPPORT
HEX	HEXAGONAL
HF	H-FRAME
HH	HANDHOLE
HID	HIGH INTENSITY DISCHARGE
HK	HOOK
HMI	HUMAN-MACHINE INTERFACE
HOA	HAND-OFF-AUTO
HORIZ	HORIZONTAL
HP	HORSEPOWER
HPS	HIGH PRESSURE SODIUM
HTR	HEATER
HV	HIGH VOLTAGE
HZ	HERTZ
I	CURRENT, INTERLOCK
I/O	INPUT/OUTPUT PANEL
IC	INTERRUPTING CAPACITY
ID	INSIDE DIAMETER/DIMENSION
IE	INVERT ELEVATION
IJB	INSTRUMENT JUNCTION BOX
ILS	INSTRUMENT LANDING SYSTEM
IMC	INTERMEDIATE METAL CONDUIT
IN	INCH
INCL	INCLUDING
INST	INSTANTANEOUS
INSTR	INSTRUMENT
INV	INVERT
IPS	IRON PIPE SIZE
IS	INTRINSICALLY SAFE
IWS	INDUSTRIAL WASTE SEWER
J, JB	JUNCTION BOX
JCT	JUNCTION
JT	JOINT
K	KIRK INTERLOCK, KIP
KCMIL	THOUSAND CIRCULAR-MIL
KO	KEY OPERATED
KSI	1000 POUNDS PER SQUARE INCH
KV	KILOVOLT
KVA	KILOVOLT AMPERE(S)
KVAR	KILOVOLT AMPERES REACTIVE
KVARH	KILOVARHOUR
KW	KILOWATT
KWH	KILOWATT HOUR
KWHD	KILOWATT HOUR DEMAND
L	LENGTH, ANGLE, LIGHT, LOCAL
LB	POUND, LOADBREAK
LBS	POUNDS, LOW BUS SUPPORT
LC	LIGHTING CONTACTOR
LCP	LOCAL CONTROL PANEL
LDC	LINE DROP COMPENSATOR
LDSS	LOW BUSS DISCONNECT SUPPORT SWITCH
LED	LIGHT EMITTING DIODE
LF	LINEAR FEET/FOOT
LIN	LINEAR
LO	LOW
LONGIT	LONGITUDE
LP	LIQUID PETROLEUM
LS	LIMIT SWITCH
LT	LIGHT
LTC	LOAD TAP CHANGER
LTG	LIGHTING
LTS	LIGHTS
LV	LOW VOLTAGE
LVCC	LOW VOLTAGE CONTROL CABINET
L-L	LINE-TO-LINE
M	MOTOR
MAX	MAXIMUM
MC	MISCELLANEOUS CHANNEL
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCM	MILLION CIRCULAR MILS
MCP	MOTOR CIRCUIT PROTECTOR
MCOV	MAXIMUM CIRCUIT OPERATING VOLTAGE
MECH	MECHANICAL
MEMB	MEMBRANE
MFM	MULTIFUNCTION METER
MFR	MANUFACTURER
MG	MOTOR GENERATOR
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MLO	MAIN LUGS ONLY
MON	MONUMENT
MR	MULTI-RATIO
MTD	MOUNTED
MTG	MOUNTING
MTR	MOTOR
MTS	MAIN TERMINAL SECURITY
MVA	MEGAVOLT-AMPERE
N	NORTH/NEUTRAL
NC	NORMALLY CLOSED
NE	NORTHEAST
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
NEUT	NEUTRAL
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NO.	NUMBER
NPP	NON-PERFORATED PIPE
NTS	NOT TO SCALE
N-S	NORTH-SOUTH
OC	ON CENTER
OD	OUTSIDE DIAMETER/DIMENSION
OHW	OVERHEAD WIRE
OL	OVERLOAD
OP	OPERATED
OPP	OPPOSITE
OPER	OPERATOR
PA	PUBLIC ADDRESS
P	PANEL, POLE, PHASE, POWER
PAV	PAVEMENT
PB	PUSH BUTTON
PBX	PRIVATE BRANCH EXCHANGE
PC	POINT OF CURVATURE, PIECE
PCC	PORTLAND CEMENT CONCRETE
PCF	POUND PER CUBIC FOOT
PE	PHOTOELECTRIC SENSOR
PERF	PERFORATED
PF	POWER FACTOR
PH OR ø	PHASE
PKG	PACKAGE
PL	PLATE
PLCS	PLACES
PMI	PADMOUNT FAULT INTERRUPTOR
PNL	PANEL
PNLBD	PANELBOARD
PR	PAIR
PREFAB	PREFABRICATED
PRI	PRIMARY
PROJ	PROJECT
PS	POWER SUPPLY
PSE	PUGET SOUND ENERGY
PSF	POUND PER SQUARE FOOT
PSI	POUND PER SQUARE INCH
PT	POINT OF TANGENCY, POINT
PTVC	POINT OF TANGENCY, VERTICAL CURVE
PVC	POLYVINYL CHLORIDE
PWR	POWER
QTY	QUANTITY
R	RADIUS, REMOTE, OR RED INDICATING LIGHT
RCP	REINFORCED CONCRETE PIPE
RECD	RECEIVED
REC	RECEPTACLE
RED	REDUCER
REF	REFERENCE
REINF	REINFORCEMENT
REQD	REQUIRED
REV	REVISION/REVISED
RF	RETURN FAN
RGS	RIGID GALVANIZED STEEL
RM	ROOM
RP	RADIUS POINT
RPM	REVOLUTIONS PER MINUTE
RTU	REMOTE TERMINAL UNIT
RVAT	REDUCED VOLTAGE AUTOTRANSFORMER
RVNR	REDUCED VOLTAGE NON-REVERSING
S	SOUTH
SA	SURGE ARRESTOR
SC	SECTIONALIZING CABINET
SCADA	SURPERVISORY CONTROL AND DATA ACQUISITION
SCH	SCHEDULE
SD	SOFT DRAWN (COPPER), STORM DRAIN
SEC	SECOND, SECONDARY
SECT	SECTION
SF	SQUARE FEET/SUPPLY FAN
SHLD	SHIELD OR SHIELDED
SHT	SHEET
SI	SQUARE INCH/INCHES
SIM	SIMILAR
SK	SKETCH
SOGM	SWITCH OPERATOR GROUND MAT
SP	SPACED, SPACING
SPDT	SINGLE POLE DOUBLE THROW
SPEC	SPECIFICATION(S)
SPP	STEEL POWER POLE
SQ	SQUARE
SS	SANITARY SEWER
SSS	SWITCH SUPPORT STRUCTURE
SSTL	STAINLESS STEEL
ST	SHORT TRIP
STA	STATION
STD	STANDARD
STL	STEEL
STM	STEAM
STR	STRUCTURAL
SUB	SUBSTITUTION
SUBSTA	SUBSTATION
SUPT	SUPPORT
SV	SOLENOID VALVE, SWITCH VAULT
SVC	SERVICE
STR	STRUCTURAL
SURF	SURFACE
SW	SWITCH
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
SYM	SYMMETRICAL
SYNC	SYNCHRONOUS
SYNCS	SYNCHROSCOPE
SY	SQUARE YARD/YARDS
SYS	SYSTEM
T	TELEPHONE PEDESTAL, THERMOSTAT, TRANSFORMER
TAN	TANGENT
TB	TERMINAL BOARD, TERMINAL BLOCK
TBD	TO BE DETERMINED
TC	TOP OF CURVE
TD	TIME DELAY
TE	TOP ELEVATION
TEL	TELEPHONE
TEMP	TEMPORARY
TERM	TERMINAL, TERMINATION
TESCP	TEMPORARY EROSION AND SEDIMENTATION CONTROL PLAN
THHN	HEAT-RESISTANT THERMOPLASTIC
THWN	MOISTURE-AND-HEAT RESISTANT THERMOPLASTIC
THRU	THROUGH
TMH	TELEPHONE MANHOLE
TOC	TOP OF CONCRETE
TOF	TOP OF FOOTING
TOP	TOP OF PAVEMENT
TOS	TOP OF SUPPORT OR STEEL
TOW	TOP OF WALL
TPU	TACOMA PUBLIC UTILITIES
TP	TURNING POINT
TPU	TACOMA PUBLIC UTILITES
TRAN	TRANSVERSE
TS	TUBE STEEL
TST	TWISTED SHEIDED THREE CONDUCTOR
TSP	TWISTED-SHIELDED-PAIR
TTB	TELEPHONE TERMINAL BOARD
TYP	TYPICAL
T/D	TRANSDUCER
T&B	TOP AND BOTTOM
UBC	UNIFORM BUILDING CODE
UF	UNDER FLOOR
UG	UNDERGROUND
UH	UNIT HEATER
UL	UNDERWRITERS LABORATORY
UMC	UNIFORM MECHANICAL CODE
UN	UNLESS NOTED
UNC	UNIFIED NATIONAL COARSE THREAD
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTED POWER SUPPLY
V	VOLT
VAR	VOLT AMPERE REACTIVE
VARM	VAR METER
VERT	VERTICAL
VFI	VACUUM FAULT INTERRUPTER
VFD	VARIABLE FREQUENCY DRIVE
VM	VOLTMETER
VOL	VOLUME
VS	VERSUS
VSD	VARIABLE SPEED DRIVE
VT	VOLTAGE TRANSFORMER
VTS	VOLTAGE TEST SWITCH
W	WIDE FLANGE, WATT, WIDTH, WEST WHITE INDICATING LIGHT, WATER
WH	WATTHOUR
WM	WATTMETER
W/O	WITHOUT
WP	WEATHERPROOF
WPP	WOOD POWER POLE
WT	WEIGHT
WWF	WELDED WIRE FABRIC
W/	WITH
X	REACTANCE
XFMR	TRANSFORMER
XHHW	MOISTURE/AND HEAT RESISTANT CROSS LINKED SYNTHETIC POLYMER
XMTR	TRANSMITTER
XP	EXPLOSION PROOF
&	AND
@	AT
#	NUMBER
%	PERCENT
%Z	PERCENT IMPEDANCE
Ø	PHASE

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PROFESSIONAL ENGINEER

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DRAWING SCALE: NONE

6710
E0.1
23 OF 38

EBC SILVERBACK TEMPORARY RELOCATION
ABBREVIATIONS

PA: POT-PA-00000292
PROJ. ID: 101686.01
PHASE: BID SET

TOWNSHIP: 21 NORTH
RANGE: 03
SECTION: 27
DAT-HRZ: WA83-SF
VERT:
PARCEL:

LEGEND:

1. REFER TO DRAWING E0.0 FOR COMMON SYMBOLS AND E0.1 FOR ABBREVIATIONS

GENERAL NOTES:

1. REFER TO SPECIFICATIONS FOR GENERAL PROJECT NOTES

CONSTRUCTION NOTES:

1. PROVIDE SERVICE CONDUCTORS IN CONDUIT, INSTALLED PER TACOMA POWER STANDARD. COORDINATE INSTALLATION WITH UTILITY.
2. PROVIDE ABOVE GROUND CONDUIT, FITTINGS AND SUPPORTS. UNDERGROUND CONDUIT PROVIDED BY OTHERS. PROVIDE CONDUCTORS IN CONDUIT.
3. PROVIDE NEMA 4X PANELBOARD ON OUTDOOR UTILITY RACK SEE DWG E10.4 DETAIL 1 FOR RACK DETAILS.
4. PROVIDE 480V SERVICE CT ENCLOSURE AND METER BASE ON UTILITY RACK. SEE DRAWING E10.4 FOR UTILITY RACK DETAIL.

CONSTRUCTION NOTES:

5. PROVIDE TRANSFORMER AS PER SPECIFICATION 26-22-00. PAD MOUNT OR MOUNT TO MODULAR BUILDING WALL. SEE E10.4 DETAIL 2.
6. PROVIDE MAST, WEATHERHEAD, AND ASSOCIATED HARDWARE FOR OVERHEAD CONDUCTORS. REFER TO E10.5 FOR MAST DETAIL.
7. PROVIDE NEMA 1 PANELBOARD PER PANEL SCHEDULE AND SPECIFICATION 262416
8. PROVIDE NEMA 4X FUSED DISCONNECT SIZED AS SHOWN. MOUNT TO MODULAR BUILDING WALL. SEE E10.4 DETAIL 2.
9. PROVIDE (2) 3/4" X 8' CU GROUND RODS FOR SUPPLEMENTAL BUILDING GROUNDING. SPACE RODS 6' MIN.
10. PANELBOARD BY OTHERS.
11. PROVIDE OVERHEAD CONDUCTORS
12. PROVIDE NEMA 4X FUSED DISCONNECT SIZED AS SHOWN. SEE E10.4 DETAIL 3 FOR MOUNTING.
13. COORDINATE LOCATION OF MODULAR BUILDING FEEDERS, DISCONNECTS AND TRANSFORMERS WITH MODULAR BUILDING PROVIDER.

1 E1.0 SITE PLAN - POWER
SCALE: 1/16" = 1'-0"

N

0 8 16 32 48
SCALE: 1/16"=1'-0"

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EBC SILVERBACK TEMPORARY RELOCATION
SITE PLAN - POWER

PA: POT-PA-00000292	TOWNSHIP: 21 NORTH	SECTION: 27	DRAWING SCALE: 1/16" = 1'
PROJ. ID: 101686.01	DAT-HRZ: WA83-SF	RANGE: 03	
PHASE: BID SET	PARCEL:	VERT:	

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E1.0
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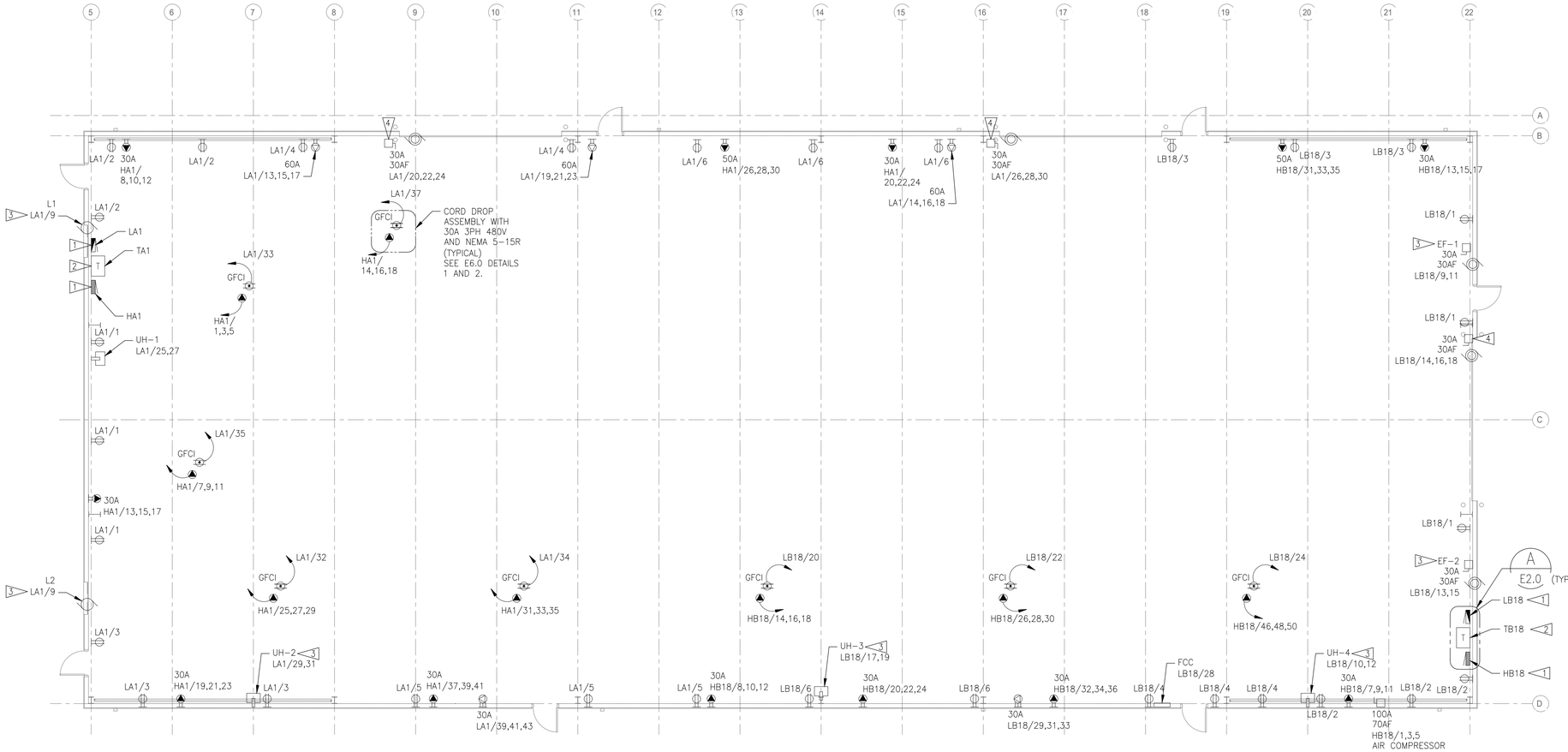
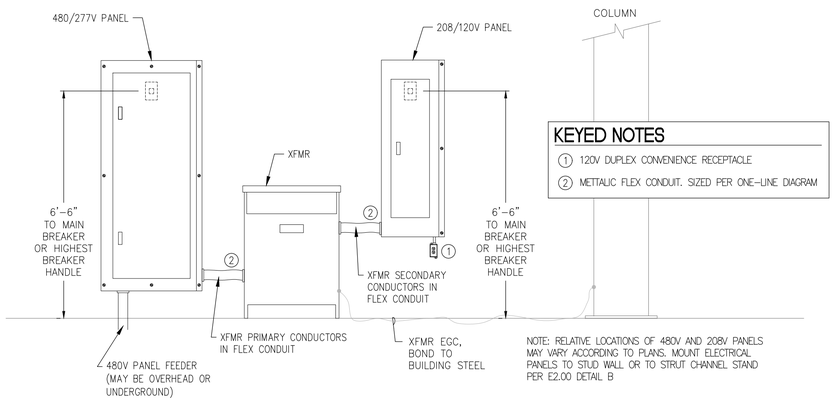


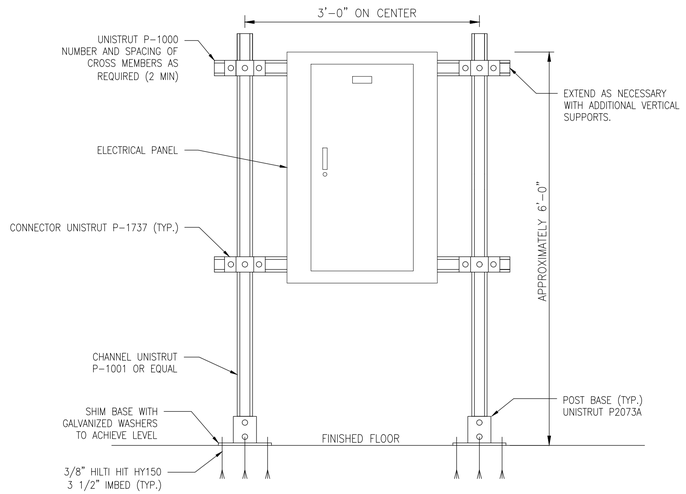
1 FIRST FLOOR PLAN - POWER
E2.0 SCALE: 1/8" = 1'-0"

0 4 8 16 24
SCALE: 1/8"=1'-0"



KEYED NOTES
1. 120V DUPLEX CONVENIENCE RECEPTACLE
2. METTALIC FLEX CONDUIT. SIZED PER ONE-LINE DIAGRAM

TYPICAL PANELBOARD ARRANGEMENT DETAIL
SCALE: NTS — A E2.0



TYPICAL ELECTRICAL PANEL MOUNTING DETAIL
SCALE: NTS — B E2.0

LEGEND:
1. REFER TO DRAWING E0.0 FOR COMMON SYMBOLS AND E0.1 FOR ABBREVIATIONS

GENERAL NOTES:
1. REFER TO DRAWING E0.2 FOR GENERAL PROJECT NOTES.
2. REFER TO TYPICAL FEEDER SCHEDULE ON DRAWING E10.1 FOR BRANCH CONDUCTOR SIZES WHERE NOT INDICATED OTHERWISE.
3. COORDINATE 50A AND 60A RECEPTACLE TYPES WITH OWNER EQUIPMENT.

CONSTRUCTION NOTES:
1. PROVIDE NEMA 1 PANELBOARD.
2. PROVIDE DRY-TYPE DISTRIBUTION TRANSFORMER.
3. PROVIDE CONDUCTORS AND CONDUIT FOR MECHANICAL EQUIPMENT. MECHANICAL EQUIPMENT AND DISCONNECT PROVIDED BY MECHANICAL.
4. PROVIDE FUSED DISCONNECT FOR OVERHEAD DOOR AND MISCELLANEOUS CONDUIT/CONDUCTORS FOR OVERHEAD DOOR CONTROLS. REFER TO MANUFACTURER INSTALLATION INSTRUCTIONS FOR REQUIREMENTS.
5. PROVIDE CONDUCTORS, CONDUIT, SUPPORTS, RECEPTACLES AND ANCILLARY HARDWARE FOR CIRCUITS AS SHOWN..

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FIRST FLOOR PLAN - POWER

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PROJ. ID: 101686.01	RANGE: 03	VERT:	
PHASE: BID SET	DAT-HRZ: WA83-SF	PARCEL:	

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E2.0
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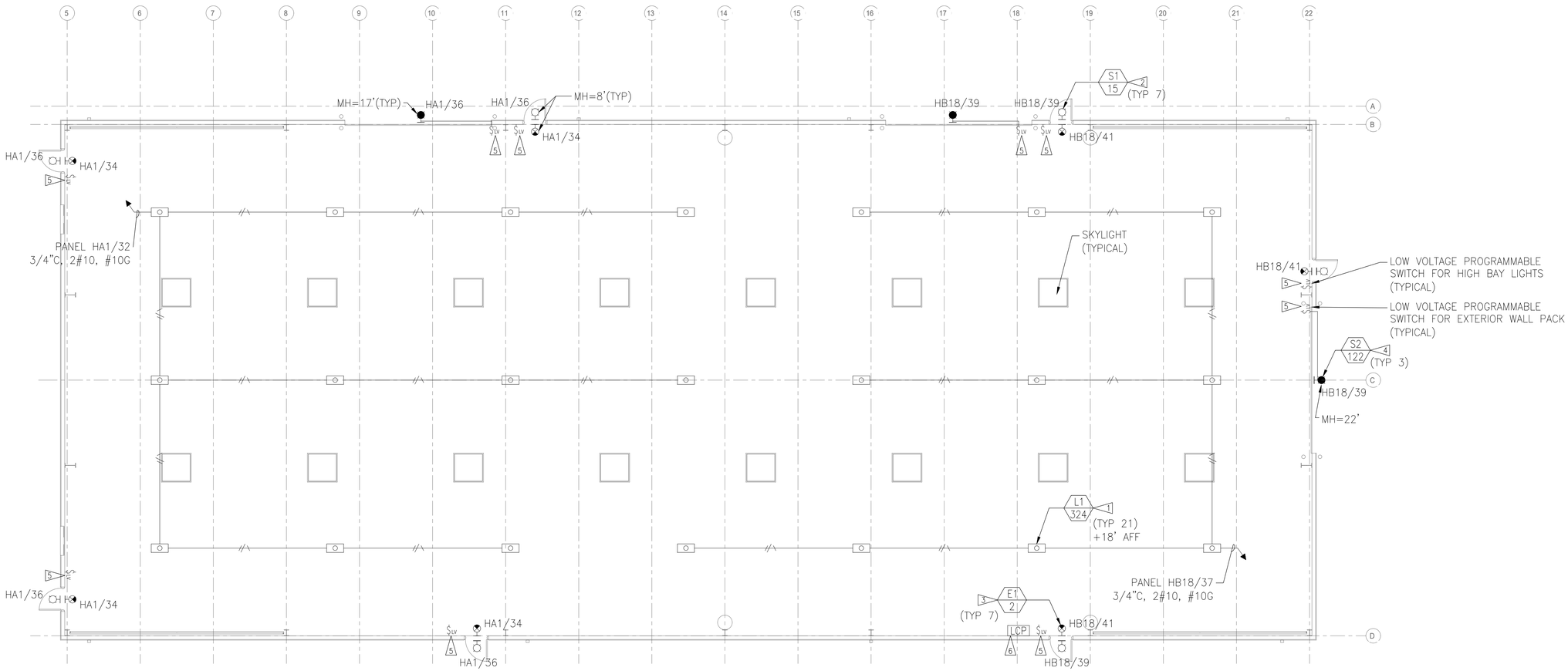

1 E3.0 **FIRST FLOOR PLAN - LIGHTING**
SCALE: 1/8" = 1'-0"

0 4 8 16 24
SCALE: 1/8"=1'-0"

LEGEND:

1. REFER TO DRAWING E01.0 FOR COMMON SYMBOLS AND E01.1 FOR ABBREVIATIONS

GENERAL NOTES:

1. REFER TO DRAWING E3.1 FOR HIGH BAY FIXTURE MOUNTING DETAIL.
2. PROVIDE COMPLETE LIGHTING CONTROL SYSTEM WITH OCCUPANCY SENSING, DAYLIGHT SENSING, AND TIME BASED CONTROLS FOR ALL FIXTURES. CONTROLS SHALL HAVE CUSTOMIZABLE ZONES TO WORK WITH ANY OF THE LOW VOLTAGE SWITCHES INSTALLED.

CONSTRUCTION NOTES:

1. PROVIDE HIGH-BAY LED LIGHT FIXTURE APPROX. 18' ABOVE GRADE. PROVIDE MOUNTING HARDWARE.
2. PROVIDE LED LIGHT FIXTURE APPROX. 8' ABOVE GRADE. PROVIDE MOUNTING HARDWARE.
3. PROVIDE LED EXIT SIGN APPROX. 8' ABOVE GRADE. PROVIDE MOUNTING HARDWARE.
4. PROVIDE LED LIGHT FIXTURE APPROX. MOUNTING HEIGHT AS INDICATED ON PLANS. PROVIDE MOUNTING HARDWARE.
5. PROVIDE AIRLINK BLUE BLUETOOTH LIGHT SWITCH OR SIMILAR APPROVED CONTROLLER IN LOCATION AS SHOWN.
6. PROVIDE AIRLINK BLUE TIME KEEPER MODULE OR SIMILAR APPROVED CONTROLLER.
7. PROVIDE CONDUIT, CONDUCTORS AND ANCILLARY HARDWARE.

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FIRST FLOOR PLAN - LIGHTING

PA: POT-PA-000000292	TOWNSHIP: 21 NORTH	SECTION: 27	DRAWING SCALE: 1/8"=1'-0"
PROJ. ID: 101686.01	RANGE: 03	DAT-HRZ: WA83-SF	VERT:
PHASE: BID SET	PARCEL:		

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E3.0
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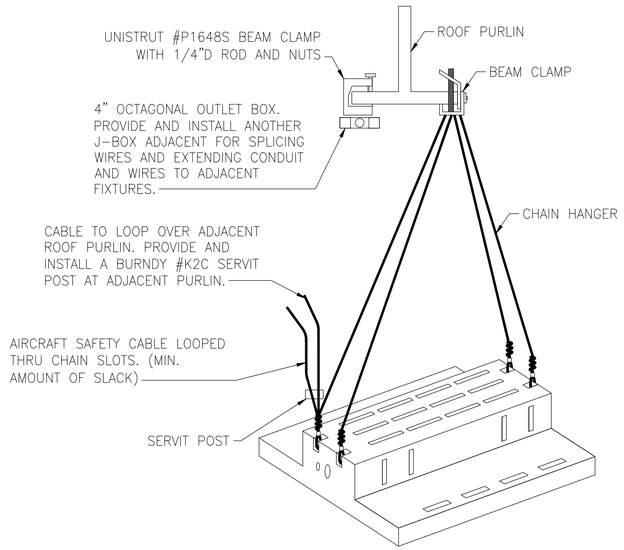
LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MOUNTING	LAMPS	VOLTAGE	MANUFACTURER	CATALOG NUMBER	REMARKS	SYMBOL
L1 / 324	28" X 14" LED HIGH BAY FIXTURE	CHAIN	LED – 5000K – 48,000 LUMENS WATTAGE RATING: 48L: 48,000LM=324W	MVOLT	LSI LIGHTING	MHB-2-LED-48L-CPW-UNV-50-ALBCS1	AIRLINK BLUE WIRELESS MOTION AND PHOTO SENSOR CONTROLLER	
S1 / 15	13" x 8" LED EXIT DOOR SCONCE	WALL MOUNT	LED – 5000K – 2,000 LUMENS LUMENS WATTAGE RATING: 2L: 2,000LM=15W	MVOLT	LSI LIGHTING	XWS-LED-2L-MTPD-UNV-DIM-50-80CRI-ALSCSI-BLK	AIRLINK BLUE WIRELESS MOTION AND PHOTO SENSOR CONTROLLER	
S2 / 122	20" x 13" LED ROLL-UP DOOR SCONCE	WALL MOUNT	LED – 5000K – 18,000 LUMENS LUMENS WATTAGE RATING: 18L: 17,885LM=122W	MVOLT	LSI LIGHTING	XWM 2-LED-18L-50-UE-BLK-ALBMR2LR	AIRLINK BLUE WIRELESS MOTION AND PHOTO SENSOR CONTROLLER	
E1 / 2	25" X 8.8" LSI RED EXIT SIGN WITH LAMP HEADS	WALL MOUNT	LED – 4000K – 7,610 LUMENS	MVOLT	LSI LIGHTING	LPRX-R-U-WH-LD1.1-SD2		



1 / E3.1 MHB MOUNTING DETAIL
NOT TO SCALE

LEGEND:

1. REFER TO DRAWING E01.0 FOR COMMON SYMBOLS AND E0.1 FOR ABBREVIATIONS

GENERAL NOTES:

1. PROVIDE FIXTURES COMPLETE WITH LAMPS AND MOUNTING HARDWARE. PROVIDE HANGARS, BRACKETS, PLATES, ANCHORS, AUXILIARY SUPPORTS AND OTHER MOUNTING ACCESSORIES REQUIRED BY BUILDING CONSTRUCTION AND CEILING CONDITIONS. PROVIDE CONCRETE BASE FOR OUTDOOR POLE LIGHTS AND SIGN LIGHTS.
2. PROVIDE ADDITIONAL SUPPORTS AS NECESSARY TO PREVENT FIXTURE SWINGING IN AREAS WITH SUBSTANTIAL AIRFLOW.
3. PROVIDE SHOP DRAWINGS INDICATING QUANTITY, LAYOUT, AND WIRING OF ALL SYSTEM COMPONENTS, AND SEQUENCE OF OPERATION. INSTALL SYSTEM IN ACCORDANCE WITH MANUFACTURER REQUIREMENTS AND APPROVED SHOP DRAWINGS. PROVIDE REQUIRED PROGRAMMING FOR INITIAL AND FINAL SET UP OF SYSTEM AS DIRECTED BY OWNER.

CONSTRUCTION NOTES:

7 PROVIDE LIGHT FIXTURES INSTALLED PER MANUFACTURER INSTALLATION GUIDELINES. SEE E3.0 FOR FIXTURE LOCATIONS.

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EBC SILVERBACK TEMPORARY RELOCATION

LIGHTING DETAILS

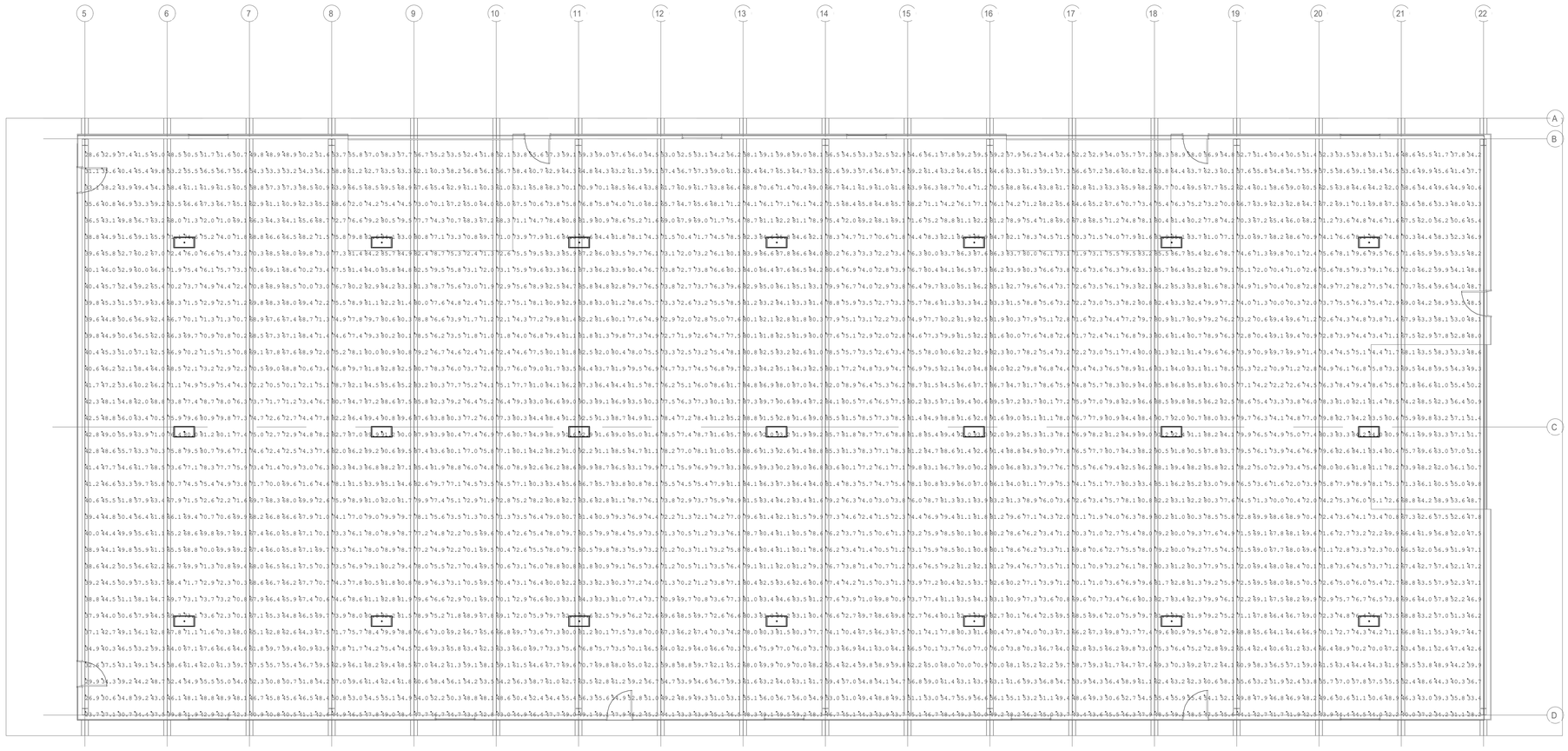
PA: POT-PA-000000292	TOWNSHIP: 21 NORTH	RANGE: 03	SECTION: 27
PROJ. ID: 101686.01	DAT-HRZ: WA83-SF	VERT:	DRAWING SCALE:
PHASE: BID SET	PARCEL:		

LEGEND:

1. REFER TO DRAWING E0.0 FOR COMMON SYMBOLS AND E0.1 FOR ABBREVIATIONS

GENERAL NOTES:

1. REFER TO DRAWING E0.2 FOR GENERAL PROJECT NOTES.



Luminaire Schedule						
Symbol	Qty	Description	LLF	Luminaire Lumens	Luminaire Watts	Total Watts
·	21	MHB-02-LED-48L-CPW-50-80CRI	0.850	47798	324	6804

Calculation Summary					
Label	Units	Avg	Max	Min	Avg/Min
SilverBack_1_1_Floor	Fc	70.32	93.3	23.7	2.97

1 INTERIOR PHOTOMETRIC PLAN
E3.2 SCALE: 1/8" = 1'-0"

N

0 4 8 16 24
SCALE: 1/8"=1'-0"

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BINDING EDGE

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EBC SILVERBACK TEMPORARY RELOCATION
SILVERBACK BUILDING INTERIOR PHOTOMETRIC STUDY

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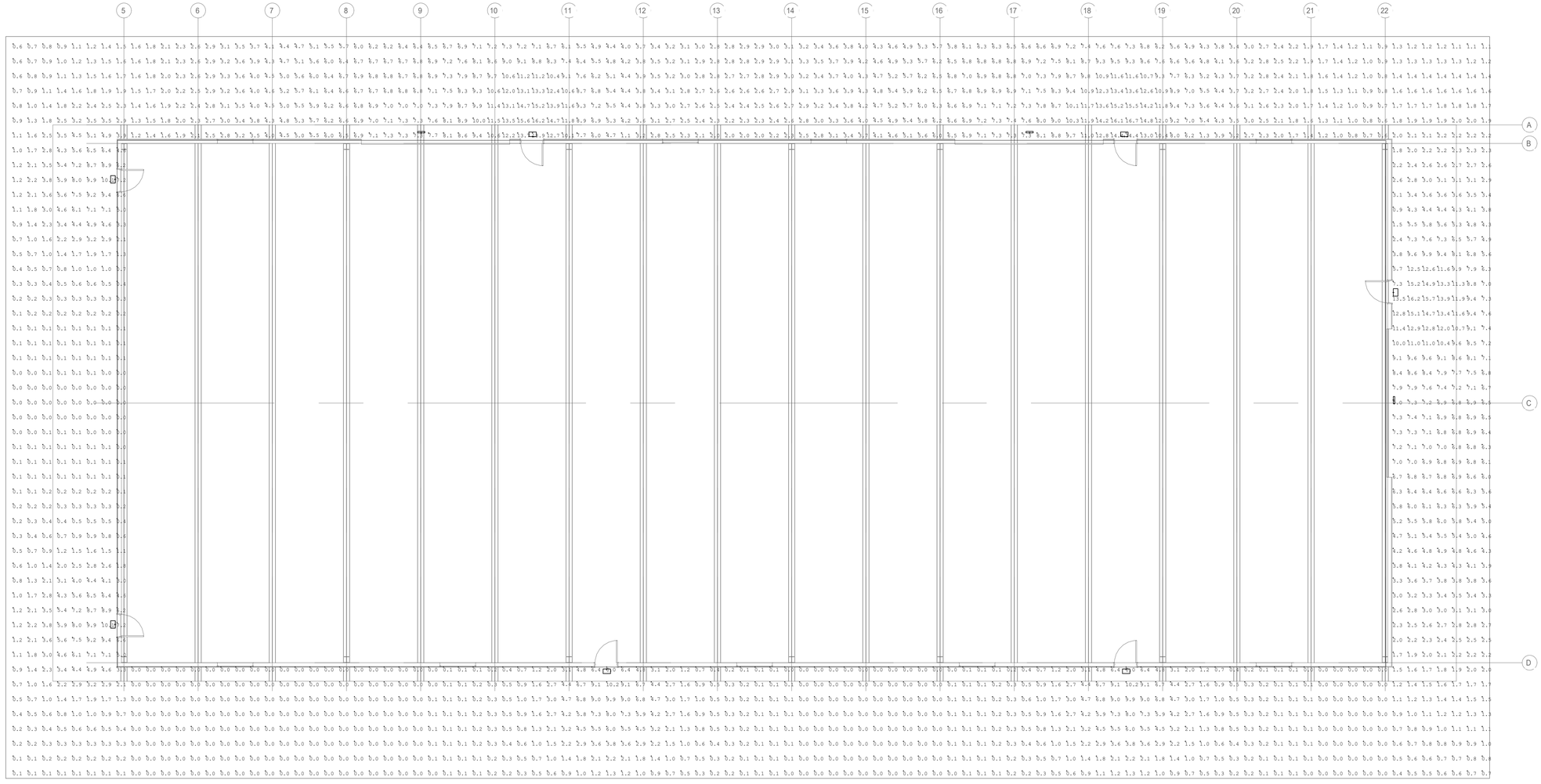
PROJ. ID: 101686.01	DAT-HRZ: WA83-SF	VERT:	DRAWING SCALE: 1" = 1'-0"
PHASE: BID SET	PARCEL:		

LEGEND:

1. REFER TO DRAWING E0.0 FOR COMMON SYMBOLS AND E0.1 FOR ABBREVIATIONS

GENERAL NOTES:

1. REFER TO PROJECT SPECIFICATIONS FOR GENERAL NOTES.



Luminaire Schedule						
Symbol	Qty	Description	LLF	Luminaire Lumens	Luminaire Watts	Total Watts
	3	XWM-2-LED-18L-50	0.850	17534	122	366
	7	XWS-LED-02L-MTPD-50-80CRI	0.850	1928	15	105

Calculation Summary					
Label	Units	Avg	Max	Min	Avg/Min
External_Floor_Planar	Fc	3.07	16.7	0.0	N.A.
SilverBack_1_1_Floor	Fc	0.00	0.0	0.0	N.A.

1 E3.3 EXTERIOR PHOTOMETRIC PLAN
SCALE: 1/8" = 1'-0"

N

0 4 8 16 24
SCALE: 1/8"=1'-0"

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SILVERBACK BUILDING EXTERIOR PHOTOMETRIC STUDY

DRAWING SCALE: 1" = 1'-0"

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E3.3
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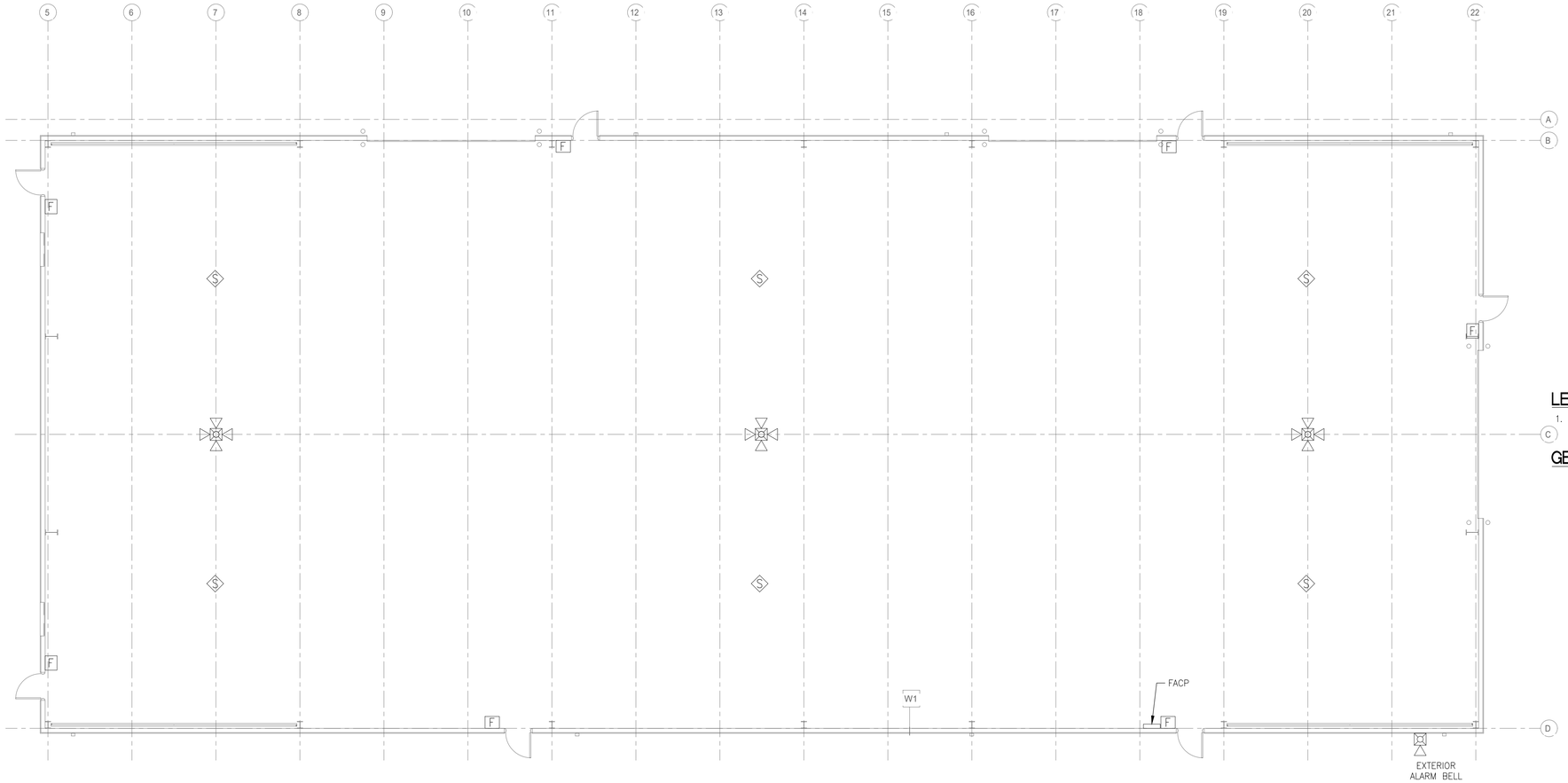
PA: POT-PA-00000292	TOWNSHIP: 21 NORTH	RANGE: 03	SECTION: 27
PROJ. ID: 101686.01	DAT-HRZ: WA83-SF	VERT:	
PHASE: BID SET	PARCEL:		



1 FIRST FLOOR PLAN - FIRE ALARM
E1.0 SCALE: 1/8" = 1'-0"

0 4 8 16 24
SCALE: 1/8"=1'-0"

LEGEND:

1. REFER TO DRAWING E0.0 FOR COMMON SYMBOLS AND E0.1 FOR ABBREVIATIONS

GENERAL NOTES:

1. FIRE ALARM SYSTEM
   - A. APPLICABLE CODES AND STANDARDS
     - IBC
     - NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE
   - B. PROVIDE BIDDER DESIGN FIRE ALARM SYSTEM. COMPLY WITH ALL REQUIREMENTS OF LOCAL AUTHORITY HAVING JURISDICTION (AHJ), INCLUDING PREPARING, SUBMITTING, AND OBTAINING SHOP DRAWING APPROVAL, PERMITTING, AND REQUIRED INSPECTIONS.
   - C. SYSTEM REQUIREMENTS: COMPLY WITH ALL REQUIREMENTS OF THE INTERNATIONAL FIRE CODE, INTERNATIONAL BUILDING CODE, AND LOCAL FIRE ALARM CODE AS ADOPTED AND SUPPLEMENTED BY THE AHJ AND APPLICABLE FOR THE BUILDING OCCUPANCY, BY GROUP AND DIVISION, INDICATED IN THE CONSTRUCTION DOCUMENTS. ALL SPACES CONSIDERED PUBLIC AREAS BY THE AHJ SHALL HAVE ADA VISUAL SIGNALLING DEVICES INSTALLED.
   - D. PROVIDE WIRING PER APPROVED SHOP DRAWINGS. INSTALL CONDUCTORS IN RACEWAY DEDICATED FOR FIRE ALARM SYSTEM.

CONSTRUCTION NOTES:

1. PROVIDE COMPLETE BIDDER DESIGNED FIRE ALARM SYSTEM AS SHOWN.

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EBC SILVERBACK TEMPORARY RELOCATION

FIRST FLOOR PLAN - FIRE ALARM

PROJ. ENGR DATE: Nov 07, 2025
SECTION: 27
RANGE: 03
VERT:
DRAWING SCALE: 1/8"=1'-0"

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E5.0
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PA: POT-PA-0000000292
PROJ. ID: 101686.01
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PARCEL:

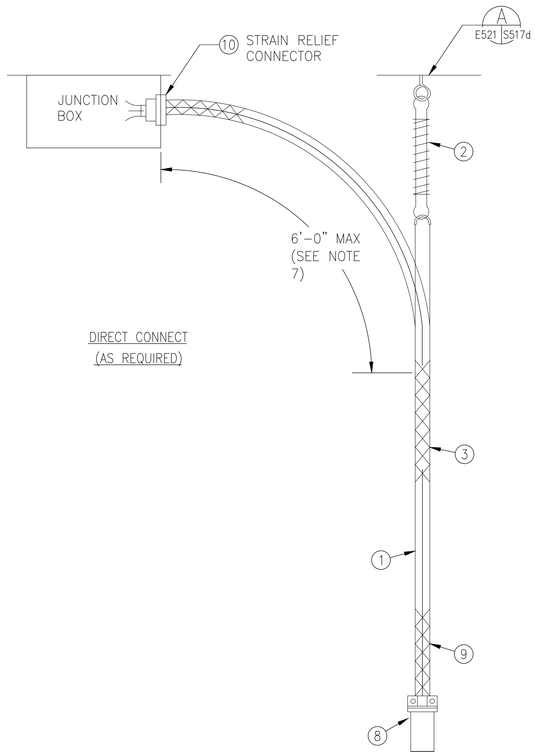
LEGEND:

1. REFER TO DRAWING E0.0 FOR COMMON SYMBOLS AND E0.1 FOR ABBREVIATIONS

GENERAL NOTES:

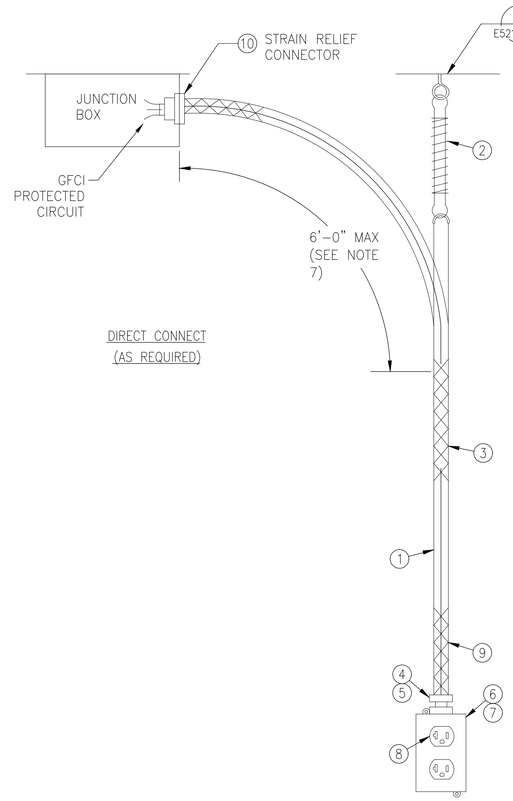
1. REFER TO DRAWING E0.2 FOR GENERAL PROJECT NOTES.

MATERIAL LIST		
ITEM	PART DESCRIPTION	30 AMP DROP DESCRIPTION
1	CABLE, 600V, 90 DEG. TYPE 'SO'	3C, NO. 10AWG
2	SPRING, BUS DROP	KELLEMS NO. 203-02-001
3	CABLE GRIP	KELLEMS NO. 022-16-008 OR NO. 073-04-1279
8	CONNECTOR BODY	LEVITON 30A 480V 3-PH L16-30R CAT# 2733
9	STRAIN RELIEF, CABLE	KELLEMS NO. 073-10-003
10	STRAIN RELIEF CONNECTOR	KELLEMS NO. 073-03-1209



1 E6.0 480V 30A DROP CORD CONNECTOR DETAIL
SCALE: NONE

MATERIAL LIST		
ITEM	PART DESCRIPTION	20 AMP DROP DESCRIPTION
1	CABLE, 600V, 90 DEG. TYPE 'SOOW'	3C, NO. 12AWG
2	SPRING, BUS DROP	KELLEMS NO. 203-02-001
3	CABLE GRIP	KELLEMS NO. 022-16-008 OR NO. 073-04-1279
4	CROUSE HINDS CABLE GLAND, 1/2" NPT	CGB196
5	CROUSE HINDS CABLE GLAND STRAIN RELIEF	RPE417-116
6	O.Z. GEDNEY CAST GANG BOX	FS-1-50
7	O.Z. GEDNEY BOX COVER	FS1-DCS
8	RECEPTACLE, 20A DUPLEX, 2P, 3W, STRAIGHT BLADE NEMA 5-20 GROUNDING	HUBBELL NO. 5362
9	STRAIN RELIEF, CABLE	KELLEMS NO. 073-10-003
10	STRAIN RELIEF CONNECTOR	KELLEMS NO. 073-03-1209



2 E6.0 DUPLEX DROP CORD CONNECTOR DETAIL
SCALE: NONE

Port of Tacoma
P.O. BOX 1837 TACOMA, WA 98401 | 2535383841

CASNE
3545 PACIFICA RD. SE., SUITE 200
RENTON, WA 98057
WWW.CASNE.COM (425) 522-1000

MARK:	REVISION:	BY:	APPR:	DATE:
	.	.	.	.

STEVEN H. GARRETT
STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER

CHECKED BY DATE

DIRECTOR ENG. DATE

APPROVED:

PROJ. ENGR DATE

PRINTED BY: steven.garrett Nov 07, 2025

PORT ADDRESS:

6710
E6.0
31 OF 38

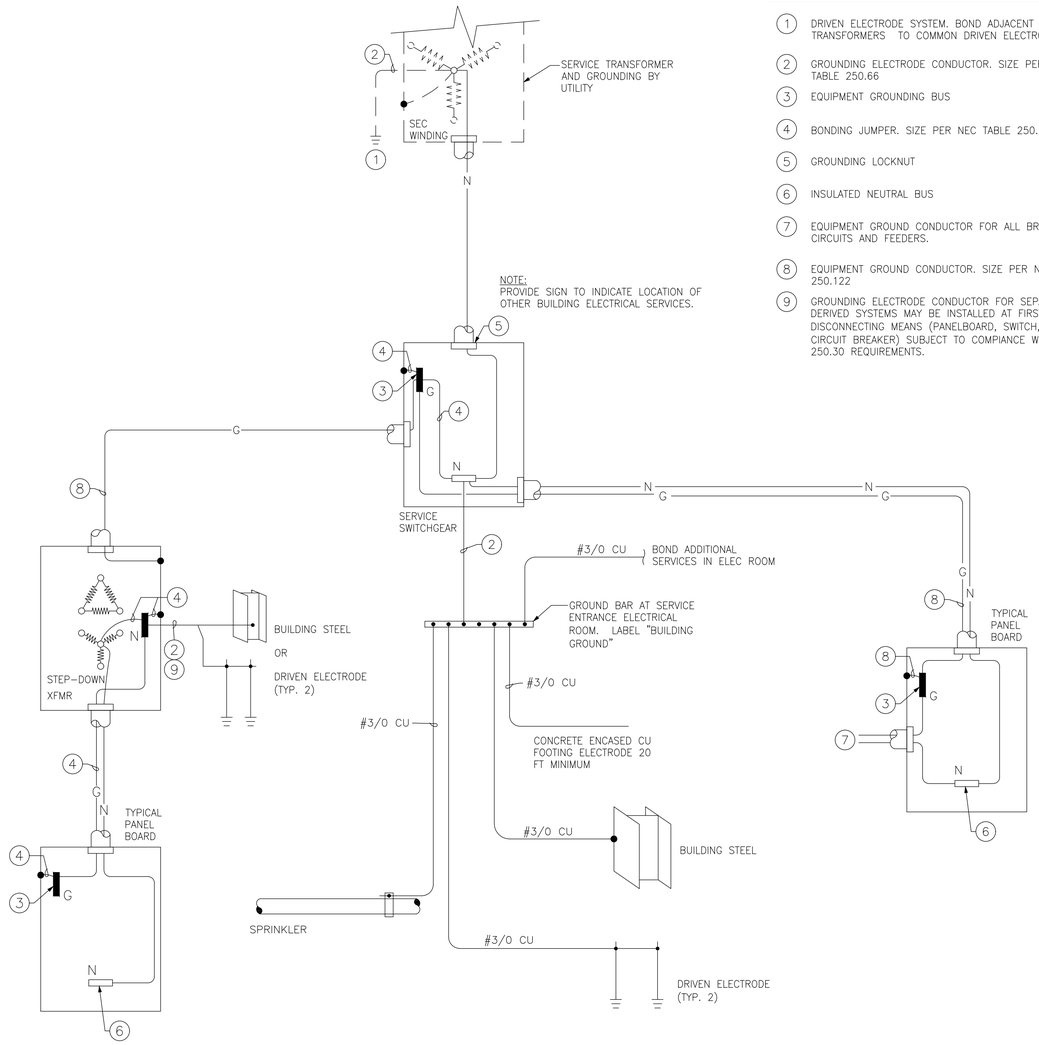
EBC SILVERBACK TEMPORARY RELOCATION

DETAILS

PA: POT-PA-0000292	TOWNSHIP: 21 NORTH	SECTION: 27	DRAWING SCALE: 1/8"=1'-0"
PROJ. ID: 101686.01	DAT-HRZ: WA83-SF	RANGE: 03	
PHASE: BID SET	PARCEL:	VERT:	

GROUNDING DIAGRAM NOTES:

1. DRIVEN ELECTRODE SYSTEM. BOND ADJACENT OUTDOOR TRANSFORMERS TO COMMON DRIVEN ELECTRODE SYSTEM.
2. GROUNDING ELECTRODE CONDUCTOR. SIZE PER NEC TABLE 250.66
3. EQUIPMENT GROUNDING BUS
4. BONDING JUMPER. SIZE PER NEC TABLE 250.102(C)(1)
5. GROUNDING LOCKNUT
6. INSULATED NEUTRAL BUS
7. EQUIPMENT GROUND CONDUCTOR FOR ALL BRANCH CIRCUITS AND FEEDERS.
8. EQUIPMENT GROUND CONDUCTOR. SIZE PER NEC TABLE 250.122
9. GROUNDING ELECTRODE CONDUCTOR FOR SEPARATELY DERIVED SYSTEMS MAY BE INSTALLED AT FIRST DISCONNECTING MEANS (PANELBOARD, SWITCH, ENCLOSED CIRCUIT BREAKER) SUBJECT TO COMPIANCE WITH ALL NEC 250.30 REQUIREMENTS.



TYPICAL GROUNDING DIAGRAM (1 / E6.1)
SCALE: NONE

LEGEND:

1. REFER TO DRAWING E0.0 FOR COMMON SYMBOLS AND E0.1 FOR ABBREVIATIONS

GENERAL NOTES:

1. REFER TO PROJECT SPECIFICATIONS FOR GENERAL NOTES.

Port of Tacoma
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CASNE
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AUBURN, WA 98092
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MARK:	REVISION:	BY:	APPR:	DATE:
	.	.	.	.

STEVEN H. GARRETT — STATE OF WASHINGTON — 24007 — REGISTERED PROFESSIONAL ENGINEER

APPROVED:

CHECKED BY DATE

DIRECTOR ENG. DATE | PROJ. ENGR DATE

PRINTED BY: steven.garrett Nov 07, 2025

PORT ADDRESS:

EBC SILVERBACK TEMPORARY RELOCATION

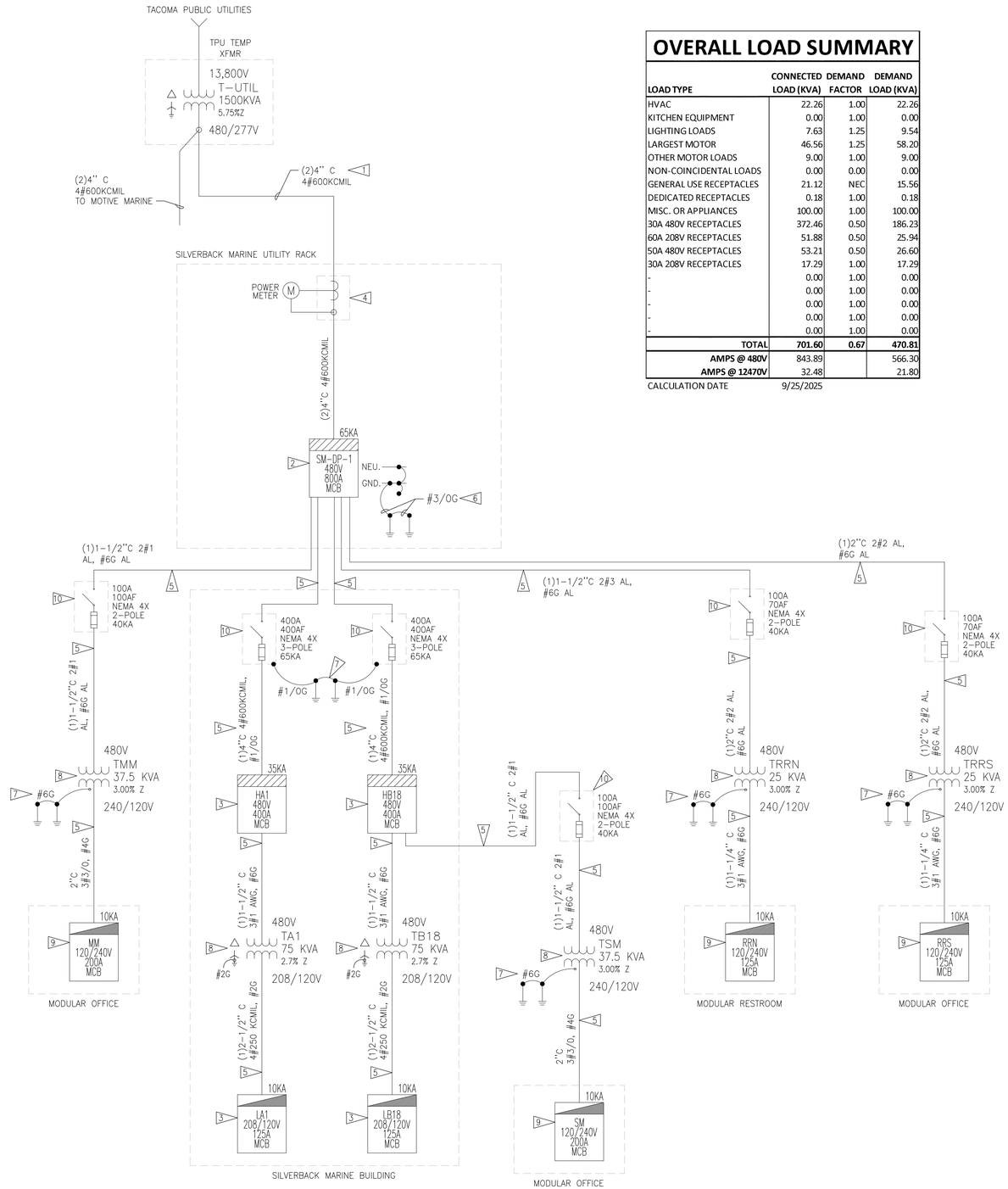
GROUNDING DETAILS

6710

E6.1

32 OF 38

PA: POT-PA-00000292	TOWNSHIP: 21 NORTH	RANGE: 03	SECTION: 27
PROJ. ID: 101686.01	DAT-HRZ: WA83-SF	VERT:	
PHASE: BID SET	PARCEL:	DRAWING SCALE: 1/8"=1'-0"	



OVERALL LOAD SUMMARY

LOAD TYPE	CONNECTED LOAD (KVA)	DEMAND FACTOR	DEMAND LOAD (KVA)
HVAC	22.26	1.00	22.26
KITCHEN EQUIPMENT	0.00	1.00	0.00
LIGHTING LOADS	7.63	1.25	9.54
LARGEST MOTOR	46.56	1.25	58.20
OTHER MOTOR LOADS	9.00	1.00	9.00
NON-COINCIDENTAL LOADS	0.00	0.00	0.00
GENERAL USE RECEPTACLES	21.12	NEC	15.56
DEDICATED RECEPTACLES	0.18	1.00	0.18
MISC. OR APPLIANCES	100.00	1.00	100.00
30A 480V RECEPTACLES	372.46	0.50	186.23
60A 208V RECEPTACLES	51.88	0.50	25.94
50A 480V RECEPTACLES	53.21	0.50	26.60
30A 208V RECEPTACLES	17.29	1.00	17.29
-	0.00	1.00	0.00
-	0.00	1.00	0.00
-	0.00	1.00	0.00
-	0.00	1.00	0.00
-	0.00	1.00	0.00
TOTAL	**701.60**	**0.67**	**470.81**
AMPS @ 480V	843.89		566.30
AMPS @ 12470V	32.48		21.80
CALCULATION DATE	9/25/2025		

LEGEND:

1. REFER TO DRAWING E0.0 FOR COMMON SYMBOLS AND E0.1 FOR ABBREVIATIONS

GENERAL NOTES:

1. REFER TO SPECIFICATIONS FOR GENERAL PROJECT NOTES.

CONSTRUCTION NOTES:

1. PROVIDE CONDUCTORS IN CONDUIT PER TACOMA PUBLIC UTILITY STANDARDS. COORDINATE INSTALLATION WITH TACOMA PUBLIC UTILITIES.
2. PROVIDE NEMA 4X SERVICE ENTRANCE RATED PANELBOARD PER SPECIFICATION 26–24–16.
3. PROVIDE NEMA 1PANELBOARD WITH RATINGS AS SHOWN, PER SPECIFICATION 26–24–16. SEE PANEL SCHEDULE ON E10.2 FOR DETAILS.
4. PROVIDE UTILITY INSTRUMENT METERING SOCKET AND 800A CT ENCLOSURE PER TACOMA PUBLIC UTILITIES STANDARD.
5. PROVIDE CONDUCTORS, CONDUITS, FITTINGS, SUPPORTS AND ANCILLARY HARDWARE.
6. PROVIDE SERVICE GROUND RODS, GROUNDING ELECTRODE CONDUCTOR, AND BONDING HARDWARE.
7. PROVIDE GROUND RODS, GROUNDING ELECTRODE CONDUCTOR AND BONDING HARDWARE.
8. PROVIDE TRANSFORMER AS PER SPECIFICATION 26–22–00. MOUNT TO MODULAR BUILDING WALL.
9. PANEL PROVIDED BY OTHERS.
10. PROVIDE NEMA 4X DISCONNECT SWITCH

1 E10.0 ONE LINE DIAGRAM
SCALE: NONE

Port of Tacoma
P.O. BOX 1837 TACOMA, WA 98401 | 2535383841

CASNE
3545 PACIFIC AV. SUITE 200
TACOMA, WA 98418
WWW.CASNE.COM (425) 522–1000

MARK:	REVISION:	BY:	APPR:	DATE:
	.	.	.	.

STATE OF WASHINGTON — STEVEN H. GARRETT — REGISTERED PROFESSIONAL ENGINEER

CHECKED BY	DATE
	.

PROJ. ENGR	DATE
steven.garrett	Nov 07, 2025

DIRECTOR ENG.	DATE

APPROVED:

6710
E10.0
33 OF 38

EBC SILVERBACK TEMPORARY RELOCATION
ONE-LINE DIAGRAM

PA: POT–PA–000000292	TOWNSHIP: 21 NORTH	RANGE: 03	SECTION: 27
PROJ. ID: 101686.01	DAT–HRZ: WA83–SF	VERT:	PRINTED BY: steven.garrett
PHASE: BID SET	PARCEL:	DRAWING SCALE: 1/8"=1'–0"	PORT ADDRESS:

PANEL HA1

VOLTS: 480/277V | **PH & WIRE:** 3Ø, 4W | **BUS RATING:** 400A | **MAIN BREAKER:** 400A | **PANEL AIC RATING:** 40kA | **FED FROM:** UTILITY DISCONNECT | **FEEDER CONDUCTORS:** 4#600KCMIL CU | **MOUNTING:** SURFACE | **ENCLOSURE:** NEMA 1 | **SURGE PROTECTOR:** Yes | **ACCESSORIES:** | **INSTALL DATE:** XX/XX/XXXX | **REV. VERSION:** ORIGINAL | **REV. DATE:** 9/25/2025

CKT. #	BKR. AMPS	BKR. POLES	WIRE SIZE	CIRCUIT DESCRIPTION	LOAD TYPE	LOAD (KVA)	NOTES	CKT. #	CIRCUIT PHASE A	CIRCUIT PHASE B	CIRCUIT PHASE C	CKT. #	BKR. AMPS	POLES	WIRE SIZE	CIRCUIT DESCRIPTION	LOAD TYPE	LOAD (KVA)	NOTES	CKT. #
1	30	3	#10	30A RECEPTACLE	1	7		1				2	90	3	#1	PANEL LA1 VIA 75KVA XF-MR TA1	10	22.27		2
3	30	-	#10	-	1	7		3				4	90	-	#1	-	10	20.72		4
5	30	-	#10	-	1	7		5				6	90	-	#1	-	10	18.44		6
7	30	3	#10	30A RECEPTACLE	1	7		7				8	30	3	#10	30A RECEPTACLE	1	7		8
9	30	-	#10	-	1	7		9				10	30	-	#10	-	1	7		10
11	30	-	#10	-	1	7		11				12	30	-	#10	-	1	7		12
13	30	3	#10	30A RECEPTACLE	1	7		13				14	30	3	#10	30A RECEPTACLE	1	7		14
15	30	-	#10	-	1	7		15				16	30	-	#10	-	1	7		16
17	30	-	#10	-	1	7		17				18	30	-	#10	-	1	7		18
19	30	3	#10	30A RECEPTACLE	1	7		19				20	30	3	#10	30A RECEPTACLE	1	7		20
21	30	-	#10	-	1	7		21				22	30	-	#10	-	1	7		22
23	30	-	#10	-	1	7		23				24	30	-	#10	-	1	7		24
25	30	3	#10	30A RECEPTACLE	1	7		25				26	50	3	#6	50A RECEPTACLE	1	11		26
27	30	-	#10	-	1	7		27				28	50	-	#6	-	1	11		28
29	30	-	#10	-	1	7		29				30	50	-	#6	-	1	11		30
31	30	3	#10	30A RECEPTACLE	3	7		31				32	20	1	#10	LIGHTING	L	3.564		32
33	30	-	#10	-	3	7		33				34	20	1	#10	EXIT LIGHTS	L	0.02		34
35	30	-	#10	-	3	7		35				36	20	1	#10	EXTERIOR LIGHTS	L	0.182		36
37	30	3	#10	30A RECEPTACLE	1	7		37				38								38
39	30	-	#10	-	1	7		39				40								40
41	30	-	#10	-	1	7		41				42								42

NOTES:

CONNECTED LOAD SUBTOTAL (PER PHASE)	103	98	96	(KVA)
	373	355	347	(AMPS)
TOTAL CONNECTED LOAD			297.98	3Ø LOAD (KVA)
			358	3Ø LOAD (AMPS)
TOTAL DEMAND LOAD			182.52	3Ø LOAD (KVA)
			220	3Ø LOAD (AMPS)
METERED LOAD (PER PHASE)	0	0	0	(KVA)
				(AMPS)
TOTAL METERED LOAD			0.00	3Ø LOAD (KVA)
			0	3Ø LOAD (AMPS)

Available Fault Current:
Date of Calculation:

NEW LOAD WORKSHEET

METERED DATA COLLECTION NOTES:

SUBTRACTED LOAD:	0.00	(KVA)
ADDED LOAD:	0.00	(KVA)
125% METERED LOAD:	0.00	(KVA)
TOTAL EXPECTED LOAD:	0.00	(KVA)
TOTAL EXPECTED LOAD:	0	(AMPS)

PANEL LA1

VOLTS: 208/120V | **PH & WIRE:** 3Ø, 4W | **BUS RATING:** 250 A | **MAIN BREAKER:** 250A | **PANEL AIC RATING:** 10KA | **FED FROM:** HA1 | **FEEDER CONDUCTORS:** | **MOUNTING:** SURFACE | **ENCLOSURE:** NEMA 1 | **SURGE PROTECTOR:** YES | **ACCESSORIES:** | **INSTALL DATE:** XX/XX/XXXX | **REV. VERSION:** ORIGINAL | **REV. DATE:** 9/25/2025

CKT. #	BKR. AMPS	BKR. POLES	WIRE SIZE	CIRCUIT DESCRIPTION	LOAD TYPE	LOAD (KVA)	NOTES	CKT. #	CIRCUIT PHASE A	CIRCUIT PHASE B	CIRCUIT PHASE C	CKT. #	BKR. AMPS	POLES	WIRE SIZE	CIRCUIT DESCRIPTION	LOAD TYPE	LOAD (KVA)	NOTES	CKT. #
1	20	1	#12	RECEPTACLES	R	0.54		1				2	20	1	#12	RECEPTACLES	R	0.54		2
3	20	1	#12	RECEPTACLES	R	0.54		3				4	20	1	#12	RECEPTACLES	R	0.54		4
5	20	1	#12	RECEPTACLES	R	0.54		5				6	20	1	#12	RECEPTACLES	R	0.54		6
7	20	1	#12	SPARE	R			7				8	20	1	#12	SPARE	R			8
9	20	1	#12	LOUVRES L-1 AND L-2	H	0.36		9				10	20	1	#12	SPARE				10
11	20	1	#12	SPARE	G			11				12	20	1	#12	SPARE				12
13	60	3	#6	60A RECEPTACLE	2	5.76		13				14	60	3	#6	60A RECEPTACLE	2	5.76		14
15	60	-	#6	-	2	5.76		15				16	60	-	#6	-	2	5.76		16
17	60	-	#6	-	2	5.76		17				18	60	-	#6	-	2	5.76		18
19	60	3	#6	60A RECEPTACLE	2	5.76		19				20	20	3	#12	OVERHEAD DOOR	M	1		20
21	60	-	#6	-	2	5.76		21				22	20	-	#12	-	M	1		22
23	60	-	#6	-	2	5.76		23				24	20	-	#12	-	M	1		24
25	20	2	#12	UH-1	H	1.91		25				26	20	3	#12	OVERHEAD DOOR	M	1		26
27	20	-	#12	-	H	1.91		27				28	20	-	#12	-	M	1		28
29	20	2	#12	UH-2	H	1.91		29				30	20	-	#12	-	M	1		30
31	20	-	#12	-	H	1.91		31				32	20	1	#12	DED. RECEPT	R	1.92	1	32
33	20	1	#12	DED. RECEPT	R	1.92	1	33				34	20	1	#12	DED. RECEPT	R	1.92	1	34
35	20	1	#12	DED. RECEPT	R	1.92	1	35				36	20	1	#12	SPARE	G			36
37	20	1	#12	DED. RECEPT	R	1.92	1	37				38	20	1	#12	SPARE	G			38
39	30	3	#10	30A RECEPTACLE	4	2.88213		39				40					G			40
41	30	3	#10	-	4	2.88213		41				42					G			42
43	30	3	#10	-	4	2.88213		43				44					G			44
45					G			45				46					G			46
47					G			47				48					G			48
49					G			49				50					G			50
51					G			51				52					G			52
53					G			53				54					G			54

NOTES:
1) GFCI BREAKER

CONNECTED LOAD SUBTOTAL (PER PHASE)	31	29	27	(KVA)
	257	245	226	(AMPS)
TOTAL CONNECTED LOAD			87.36	3Ø LOAD (KVA)
			242	3Ø LOAD (AMPS)
TOTAL DEMAND LOAD			61.42	3Ø LOAD (KVA)
			170	3Ø LOAD (AMPS)
METERED LOAD (PER PHASE)	0	0	0	(KVA)
				(AMPS)
TOTAL METERED LOAD			0.00	3Ø LOAD (KVA)
			0	3Ø LOAD (AMPS)

Available Fault Current:
Date of Calculation:

NEW LOAD WORKSHEET

METERED DATA COLLECTION NOTES:

SUBTRACTED LOAD:	0.00	(KVA)
ADDED LOAD:	0.00	(KVA)
125% METERED LOAD:	0.00	(KVA)
TOTAL EXPECTED LOAD:	0.00	(KVA)
TOTAL EXPECTED LOAD:	0	(AMPS)

LEGEND:

1. REFER TO DRAWING E0.0 FOR COMMON SYMBOLS AND E0.1 FOR ABBREVIATIONS

GENERAL NOTES:

1. REFER TO DRAWING E0.2 FOR GENERAL PROJECT NOTES.
2. REFER TO ONE-LINE DRAWING E10.0 FOR LOAD TYPE ABBREVIATIONS USED IN PANEL SCHEDULES.

CONSTRUCTION NOTES:

1. PROVIDE PANEL WITH SPECIFIED BREAKERS AND CIRCUITS AS SHOWN.

TABLE 1: TYPICAL FEEDER SCHEDULE

TYPICAL FEEDER SIZE (A)	FEEDER TAG NAME	OCPD AMPS[3]	COPPER WIRE AMPS[1]	# OF PARALLEL CONDUIT SETS[1]	COPPER CONDUCTORS IN EACH CONDUIT: PHASE QTY	PHASE SIZE (AWG OR KCMIL)	NEUTRAL SIZE (AWG OR KCMIL)	GROUND[4] SIZE (AWG OR KCMIL)	MINIMUM RECOMMENDED CONDUIT[2]: SCH 80 PVC	SCH 40 PVC	EMT	GRC	MAX LENGTH FOR 3% VOLT DROP ON 277/480V SYSTEM (FEET)[V1]	MAX LENGTH FOR 3% VOLT DROP ON 120/208V SYSTEM (FEET)[V1]
15	15-1N	15	15	(1)	1	14	14	14	1/2"	1/2"	1/2"	1/2"	174	75
	15-2	15	15	(1)	2	14		14	1/2"	1/2"	1/2"	1/2"	302	131
	15-2N	15	15	(1)	2	14	14	14	1/2"	1/2"	1/2"	1/2"	174	75
	15-3	15	15	(1)	3	14		14	1/2"	1/2"	1/2"	1/2"	348	151
	15-3N	15	15	(1)	3	14	14	14	1/2"	1/2"	1/2"	1/2"	348	151
20	20-1N	20	20	(1)	1	12	12	12	1/2"	1/2"	1/2"	1/2"	199	86
	20-2	20	20	(1)	2	12		12	1/2"	1/2"	1/2"	1/2"	345	150
	20-2N	20	20	(1)	2	12	12	12	1/2"	1/2"	1/2"	1/2"	199	86
	20-3	20	20	(1)	3	12		12	1/2"	1/2"	1/2"	1/2"	399	173
	20-3N	20	20	(1)	3	12	12	12	1/2"	1/2"	1/2"	1/2"	399	173
30	30-1N	30	30	(1)	1	10	10	10	1/2"	1/2"	1/2"	1/2"	220	95
	30-2	30	30	(1)	2	10		10	1/2"	1/2"	1/2"	1/2"	381	165
	30-2N	30	30	(1)	3	10	10	10	1/2"	1/2"	1/2"	1/2"	254	110
	30-3	30	30	(1)	3	10		10	1/2"	1/2"	1/2"	1/2"	439	190
	30-3N	30	30	(1)	3	10	10	10	3/4"	3/4"	3/4"	3/4"	439	190
40	40-1N	40	40	(1)	1	8	8	10	3/4"	3/4"	3/4"	3/4"	242	105
	40-2	40	40	(1)	2	8		10	3/4"	3/4"	3/4"	3/4"	420	182
	40-2N	40	40	(1)	2	8	8	10	3/4"	3/4"	3/4"	3/4"	242	105
	40-3	40	40	(1)	3	8		10	3/4"	3/4"	3/4"	3/4"	485	210
	40-3N	40	40	(1)	3	8	8	10	1"	3/4"	3/4"	3/4"	485	210
50	50-1N	50	50	(1)	1	6	6	10	3/4"	3/4"	3/4"	3/4"	293	127
	50-2	50	50	(1)	2	6		10	3/4"	3/4"	3/4"	3/4"	507	220
	50-2N	50	50	(1)	2	6	6	10	1"	3/4"	3/4"	3/4"	293	127
	50-3	50	50	(1)	3	6		10	1"	3/4"	3/4"	3/4"	585	254
	50-3N	50	50	(1)	3	6	6	10	1"	1"	1"	1"	585	254
60	60-1N	60	55	(1)	1	6	6	10	3/4"	3/4"	3/4"	3/4"	244	106
	60-2	60	55	(1)	2	6		10	3/4"	3/4"	3/4"	3/4"	422	183
	60-2N	60	55	(1)	2	6	6	10	1"	3/4"	3/4"	3/4"	244	106
	60-3	60	55	(1)	3	6		10	1"	3/4"	3/4"	3/4"	488	211
	60-3N	60	55	(1)	3	6	6	10	1"	1"	1"	1"	488	211
70	70-1N	70	70	(1)	1	4	4	8	1"	1"	1"	1"	309	134
	70-2	70	70	(1)	2	4		8	1"	1"	1"	1"	535	232
	70-2N	70	70	(1)	2	4	4	8	1"	1"	1"	1"	309	134
	70-3	70	70	(1)	3	4		8	1"	1"	1"	1"	618	268
	70-3N	70	70	(1)	3	4	4	8	1-1/4"	1-1/4"	1-1/4"	1"	618	268
80	80-1N	80	85	(1)	1	3	3	8	1"	1"	1"	1"	322	140
	80-2	80	85	(1)	2	3		8	1"	1"	1"	1"	558	242
	80-2N	80	85	(1)	2	3	3	8	1-1/4"	1"	1"	1"	322	140
	80-3	80	85	(1)	3	3		8	1-1/4"	1"	1"	1"	644	279
	80-3N	80	85	(1)	3	3	3	8	1-1/4"	1-1/4"	1-1/4"	1-1/4"	644	279
90	90-1N	90	85	(1)	1	3	3	8	1"	1"	1"	1"	286	124
	90-2	90	85	(1)	2	3		8	1"	1"	1"	1"	496	215
	90-2N	90	85	(1)	2	3	3	8	1-1/4"	1"	1"	1"	286	124
	90-3	90	85	(1)	3	3		8	1-1/4"	1"	1"	1"	573	248
	90-3N	90	85	(1)	3	3	3	8	1-1/4"	1-1/4"	1-1/4"	1-1/4"	573	248
100	100-1N	100	95	(1)	1	2	2	8	1-1/4"	1-1/4"	1-1/4"	1-1/4"	306	133
	100-2	100	95	(1)	2	2		8	1-1/4"	1-1/4"	1-1/4"	1-1/4"	530	230
	100-2N	100	95	(1)	2	2	2	8	1-1/4"	1-1/4"	1-1/4"	1-1/4"	306	133
	100-3	100	95	(1)	3	2		8	1-1/4"	1-1/4"	1-1/4"	1-1/4"	612	265
	100-3N	100	95	(1)	3	2	2	8	1-1/4"	1-1/4"	1-1/4"	1-1/4"	612	265

NOTE 1: CONDUCTOR AMPACITY IS BASED ON THE USE OF INSULATED COPPER CONDUCTORS, NOT MORE THAN (3) CURRENT CARRYING, IN CONDUIT, RACEWAY, CABLE OR EARTH (NEC TABLE 310.16). FOR FEEDERS < 100A, CONDUCTOR SIZES ARE MODIFIED BY NEC 110.14(C)(1)(a) USING THE 60 °C COLUMN AND WHERE APPLICABLE, NEC 240.4(D). FOR FEEDERS > 100A, THE 75 °C COLUMN IS USED PER NEC 110.14(C)(1)(b). FOR FEEDERS > 400A, PARALLEL SETS ARE UTILIZED AS ALLOWED BY NEC 310.10(G). FOR AMBIENT TEMPERATURES > 30° C REFER TO NEC TABLE 310.15(B)(1) FOR APPROPRIATE CONDUCTOR DERATING. FOR MORE THAN (3) CURRENT CARRYING CONDUCTORS, REFER TO NEC 310.15(C)(1). FOR APPROPRIATE CONDUCTOR DERATING.

NOTE 2: MINIMUM RECOMMENDED CONDUIT SIZE IS CHOSEN BASED ON CU XHHW OR THHN WIRE IN THE CONDUIT TYPE SPECIFIED WITH < 40% FILL (NEC CHAPTER 9: TABLE 1). IN CASES WHERE AN ALLOWABLE CONDUIT PRESENTS A SIGNIFICANT JAM PROBABILITY, THE NEXT HIGHER CONDUIT WAS CHOSEN.

NOTE 3: THE OVERCURRENT PROTECTIVE DEVICE (OCPD) LONG-TIME TRIP SHOULD NOT EXCEED THE WIRE AMPACITY EXCEPT WHERE THE CONDUCTOR AMPACITY DOES NOT CORRESPOND WITH A STANDARD BREAKER SIZE. IN THESE CASES, NEC 240.6(A) MAY APPLY PROVIDED THE NEXT-SIZE-UP DOES NOT EXCEED 800A. FOR FEEDERS TYPICALLY GREATER THAN 400A, ADJUSTABLE TRIP BREAKERS WITH RATINGS HIGHER THAN THE FEEDER CONDUCTORS CAN BE USED PROVIDED THEY MAY BE ADJUSTED DOWN TO THE DESIRED TRIP SETTING PER NEC 240.6(C).

NOTE 4: EQUIPMENT GROUND CONDUCTOR SIZED PER NEC TABLE 250.122 BASED ON OCPD AMPS. THIS ONLY APPLIES TO FEEDERS SUPPLIED BY AN OVERCURRENT PROTECTIVE DEVICE. UTILITY SERVICES OR CONDUCTORS FED FROM SEPARATELY DERIVED SYSTEMS INCLUDING TRANSFORMER SECONDARY TERMINALS MUST BE SIZED BY NEC TABLE 250.102(C)(1).

NOTE V1: VOLTAGE DROP CALCULATED USING NEC CHAPTER 9 TABLE 9 CONDUCTOR DATA, 0.9 POWER FACTOR, COPPER CONDUCTORS IN STEEL CONDUIT, AND A LOAD EQUAL TO 80% OF THE FEEDER OCPD RATING. FEEDERS WITH FEWER THAN (3) PHASE CONDUCTORS ARE ASSUMED SINGLE PHASE. FEEDERS WITH 3 PHASE CONDUCTORS ARE ASSUMED THREE PHASE.

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CHECKED BY: DATE
PROJ. ENGR: DATE
PRINTED BY: steven.garrett Nov 07, 2025
PORT ADDRESS:

EBC SILVERBACK TEMPORARY RELOCATION

PANEL SCHEDULES

PA: POT-PA-000000292	TOWNSHIP: 21 NORTH	SECTION: 27	DRAWING SCALE: NONE
PROJ. ID: 101686.01	RANGE: 03	DAT-HRZ: WA83-SF	PARCEL:
PHASE: BID SET	VERT:		

6710
E10.1
34 OF 38

PANEL HB18

VOLTS: 480/277V | **PH & WIRE:** 3Ø, 4W | **BUS RATING:** 400 A | **MAIN BREAKER:** 400A | **PANEL AIC RATING:** 40kA | **FED FROM:** UTILITY DISCONNECT | **FEEDER CONDUCTORS:** 4#600KCMIL CU | **MOUNTING:** SURFACE | **ENCLOSURE:** NEMA 1 | **SURGE PROTECTOR:** YES | **ACCESSORIES:** | **INSTALL DATE:** XX/XX/XXXX | **REV. VERSION:** ORIGINAL | **REV. DATE:** 9/25/2025

CKT. #	BKR. AMPS	BKR. POLES	WIRE SIZE	CIRCUIT DESCRIPTION	LOAD TYPE	LOAD (KVA)	NOTES	CKT. #	CIRCUIT PHASE A	CIRCUIT PHASE B	CIRCUIT PHASE C	CKT. #	BKR. AMPS	POLES	WIRE SIZE	CIRCUIT DESCRIPTION	LOAD TYPE	LOAD (KVA)	NOTES	CKT. #
1	70	3	#4	AIR COMPRESSOR	LM	16		1				2	90	3	#1	PANEL LB18 VIA 75KVA XFMR TB18	10	10.45		2
3	70	-	#4	-	LM	16		3				4	90	-	#1	-	10	12.29		4
5	70	-	#4	-	LM	16		5				6	90	-	#1	-	10	11.64		6
7	30	3	#10	30A RECEPTACLE	1	7		7				8	30	3	#10	30A RECEPTACLE	1	7		8
9	30	-	#10	-	1	7		9				10	30	-	#10	-	1	7		10
11	30	-	#10	-	1	7		11				12	30	-	#10	-	1	7		12
13	30	3	#10	30A RECEPTACLE	1	7		13				14	30	3	#10	30A RECEPTACLE	1	7		14
15	30	-	#10	-	1	7		15				16	30	-	#10	-	1	7		16
17	30	-	#10	-	1	7		17				18	30	-	#10	-	1	7		18
19	30	3		SPARE	G			19				20	30	3	#10	30A RECEPTACLE	1	7		20
21	30	-		-	G			21				22	30	-	#10	-	1	7		22
23	30	-		-	G			23				24	30	-	#10	-	1	7		24
25	30	3		SPARE	G			25				26	30	3	#10	30A RECEPTACLE	1	7		26
27	30	-		-	G			27				28	30	-	#10	-	1	7		28
29	30	-		-	G			29				30	30	-	#10	-	1	7		30
31	50	3	#6	50A RECEPTACLE	3	11		31				32	30	3	#10	30A RECEPTACLE	1	7		32
33	50	-	#6	-	3	11		33				34	30	-	#10	-	1	7		34
35	50	-	#6	-	3	11		35				36	30	-	#10	-	1	7		36
37	20	1	#10	LIGHTING	L	3.564		37				38	100	2	#1 AL	SILVERBACK MODULAR OFFICE	G	15		38
39	20	1	#10	EXTERIOR LIGHTS	L	0.289		39				40	100	-	#1 AL	-	G	15		40
41	20	1	#10	EXIT LIGHTS	L	0.015		41				42	70	2		SPARE	G			42
43								43				44	70	-		-	G			44
45								45				46	30	3	#10	30A RECEPTACLE	1	7		46
47								47				48	30	-	#10	-	1	7		48
49								49				50	30	-	#10	-	1	7		50
51								51				52					G			52
53								53				54					G			54

NOTES:

CONNECTED LOAD SUBTOTAL (PER PHASE)	109	107	91	(KVA)
	393	388	330	(AMPS)
TOTAL CONNECTED LOAD			307.68	3Ø LOAD (KVA)
			370	3Ø LOAD (AMPS)
TOTAL DEMAND LOAD			223.85	3Ø LOAD (KVA)
			269	3Ø LOAD (AMPS)
METERED LOAD (PER PHASE)	0	0	0	(KVA)
				(AMPS)
TOTAL METERED LOAD			0.00	3Ø LOAD (KVA)
			0	3Ø LOAD (AMPS)

Available Fault Current:
Date of Calculation:

NEW LOAD WORKSHEET

METERED DATA COLLECTION NOTES:

SUBTRACTED LOAD:	0.00	(KVA)
ADDED LOAD:	0.00	(KVA)
125% METERED LOAD:	0.00	(KVA)
TOTAL EXPECTED LOAD:	0.00	(KVA)
TOTAL EXPECTED LOAD:	0	(AMPS)

PANEL LB18

VOLTS: 208/120V | **PH & WIRE:** 3Ø, 4W | **BUS RATING:** 250 A | **MAIN BREAKER:** 250 A | **PANEL AIC RATING:** 10KA | **FED FROM:** HA1 | **FEEDER CONDUCTORS:** | **MOUNTING:** SURFACE | **ENCLOSURE:** NEMA 1 | **SURGE PROTECTOR:** YES | **ACCESSORIES:** | **INSTALL DATE:** XX/XX/XXXX | **REV. VERSION:** ORIGINAL | **REV. DATE:** 9/25/2025

CKT. #	BKR. AMPS	BKR. POLES	WIRE SIZE	CIRCUIT DESCRIPTION	LOAD TYPE	LOAD (KVA)	NOTES	CKT. #	CIRCUIT PHASE A	CIRCUIT PHASE B	CIRCUIT PHASE C	CKT. #	BKR. AMPS	POLES	WIRE SIZE	CIRCUIT DESCRIPTION	LOAD TYPE	LOAD (KVA)	NOTES	CKT. #
1	20	1	#12	RECEPTACLES	R	0.54		1				2	20	1	#12	RECEPTACLES	R	0.54		2
3	20	1	#12	RECEPTACLES	R	0.54		3				4	20	1	#12	RECEPTACLES	R	0.54		4
5	20	1		SPARE	G			5				6	20	1	#12	RECEPTACLES	R	0.36		6
7	20	1		SPARE	G			7				8	20	1	#12	SPARE	R			8
9	30	2	#10	EF-1 , 2.0HP	H	1.66		9				10	20	2	#12	UH-4	H	1.91		10
11	30	-	#10	-	H	1.66		11				12	20	-	#12	-	H	1.91		12
13	30	2	#10	EF-2, 2.0HP	H	1.66		13				14	20	3	#12	OVERHEAD DOOR	M	1		14
15	30	-	#10	-	H	1.66		15				16	20	-	#12	-	M	1		16
17	20	2	#12	UH-3	H	1.91		17				18	20	-	#12	-	M	1		18
19	20	-	#12	-	H	1.91		19				20	20	1	#12	DED. RECEPT	R	1.92	2	20
21	20	1	#12	SPARE	R			21				22	20	1	#12	DED. RECEPT	R	1.92	2	22
23	20	1	#12	SPARE	R			23				24	20	1	#12	DED. RECEPT	R	1.92	2	24
25	20	1	#12	SPARE	R			25				26	20	1	#12	SPARE	R			26
27	20	1	#12	SPARE	R			27				28	20	1	#12	FIRE ALARM PANEL	S	0.18	1	28
29	30	3	#10	30A RECEPTACLE	4	2.88213		29				30	20	1		SPARE	G			30
31	30	-	#10	-	4	2.88213		31				32	20	1		SPARE	G			32
33	30	-	#10	-	4	2.88213		33				34	20	1		SPARE	G			34
35					G			35				36					G			36
37					G			37				38					G			38
39					G			39				40					G			40
41					G			41				42					G			42
43					G			43				44					G			44
45					G			45				46					G			46
47					G			47				48					G			48
49					G			49				50					G			50
51					G			51				52					G			52
53					G			53				54					G			54

NOTES:
1.) INCLUDE BREAKER LOCK FOR FIRE ALARM PANEL
2.) GFCI BREAKER

CONNECTED LOAD SUBTOTAL (PER PHASE)	10	12	12	(KVA)
	87	102	97	(AMPS)
TOTAL CONNECTED LOAD			34.37	3Ø LOAD (KVA)
			95	3Ø LOAD (AMPS)
TOTAL DEMAND LOAD			34.37	3Ø LOAD (KVA)
			95	3Ø LOAD (AMPS)
METERED LOAD (PER PHASE)	0	0	0	(KVA)
				(AMPS)
TOTAL METERED LOAD			0.00	3Ø LOAD (KVA)
			0	3Ø LOAD (AMPS)

Available Fault Current:
Date of Calculation:

NEW LOAD WORKSHEET

METERED DATA COLLECTION NOTES:

SUBTRACTED LOAD:	0.00	(KVA)
ADDED LOAD:	0.00	(KVA)
125% METERED LOAD:	0.00	(KVA)
TOTAL EXPECTED LOAD:	0.00	(KVA)
TOTAL EXPECTED LOAD:	0	(AMPS)

LEGEND:

1. REFER TO DRAWING E0.0 FOR COMMON SYMBOLS AND E0.1 FOR ABBREVIATIONS

GENERAL NOTES:

1. REFER TO DRAWING E0.2 FOR GENERAL PROJECT NOTES.
2. REFER TO ONE-LINE DRAWING E10.0 FOR LOAD TYPE ABBREVIATIONS USED IN PANEL SCHEDULES.

CONSTRUCTION NOTES:

1. PROVIDE PANEL WITH SPECIFIED BREAKERS AND CIRCUITS AS SHOWN.

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MARK:	REVISION:	BY:	APPR:	DATE:
	.	.	.	.

STEVEN H. GARRETT — STATE OF WASHINGTON — 24000 — REGISTERED PROFESSIONAL ENGINEER

CHECKED BY DATE

APPROVED:

DIRECTOR ENG. DATE

PROJ. ENGR DATE
steven.garrett Nov 07, 2025
PRINTED BY:

PORT ADDRESS:

EBC SILVERBACK TEMPORARY RELOCATION

PANEL SCHEDULES

TOWNSHIP: 21 NORTH | RANGE: 03 | SECTION: 27
DAT-HRZ: WA83-SF | VERT:
PARCEL: | DRAWING SCALE: NONE

PA: POT-PA-000000292
PROJ. ID: 101686.01
PHASE: BID SET

6710
E10.2
35 OF 38

PANEL SM-DP-1

VOLTS: 480/277V **MAIN BREAKER:** 800A **FEEDER CONDUCTORS:** 4#600KCMIL **INSTALL DATE:** XX/XX/XXXX
PH & WIRE: 3Ø, 4W **PANEL AIC RATING:** 65kA **MOUNTING:** SURFACE **SURGE PROTECTOR:** YES **REV. VERSION:** ORIGINAL
BUS RATING: 800 A **FED FROM:** UTILITY SERVICE XFMR **ENCLOSURE:** NEMA 3R **ACCESSORIES:** **REV. DATE:** 9/25/2025

CKT. #	BKR. AMPS	BKR. POLES	WIRE SIZE	CIRCUIT DESCRIPTION	LOAD TYPE	LOAD (KVA)	NOTES	CKT. #	CIRCUIT PHASE A	CIRCUIT PHASE B	CIRCUIT PHASE C	CKT. #	BKR. AMPS	POLES	WIRE SIZE	CIRCUIT DESCRIPTION	LOAD TYPE	LOAD (KVA)	NOTES	CKT. #
1	400	3	600kcmil	PANEL HA1	10	65.52		1				2	400	3	600kcmil	PANEL HB18	10	81.45		2
3	400	-	600kcmil	-	10	59.54		3				4	400	-	600kcmil	-	10	79.19		4
5	400	-	600kcmil	-	10	57.46		5				6	400	-	600kcmil	-	10	63.20		6
7	70	2	#2 AL	RESTROOM TRAILER SOUTH	G	10.00		7				8	100	2	#1 AL	MOTIVE MODULAR OFFICE	G	15		8
9	70	-	#2 AL	-	G	10.00		9				10	100	-	#1 AL	-	G	15		10
11	70	2	#2 AL	RESTROOM TRAILER NORTH	G	10.00		11				12	70	2		FUTURE MODULAR	10			12
13	70	-	#2 AL	-	G	10.00		13				14	70	-		-	10			14
15	70	2		SPARE	G			15				16	100	2		SPARE	G			16
17	70	-		-	G			17				18	100	2		-	G			18
19					G			19				20					G			20
21					G			21				22					G			22
23					G			23				24					G			24
25					G			25				26					G			26
27					G			27				28					G			28
29					G			29				30					G			30
31					G			31				32					G			32
33					G			33				34					G			34
35					G			35				36					G			36

NOTES:

CONNECTED LOAD SUBTOTAL (PER PHASE)	182	164	131	(KVA)
	657	591	472	(AMPS)
TOTAL CONNECTED LOAD	476.37			3Ø LOAD (KVA)
	573			3Ø LOAD (AMPS)
TOTAL DEMAND LOAD	476.37			3Ø LOAD (KVA)
	573			3Ø LOAD (AMPS)
METERED LOAD (PER PHASE)	0	0	0	(KVA)
				(AMPS)
TOTAL METERED LOAD	0.00			3Ø LOAD (KVA)
	0			3Ø LOAD (AMPS)

Available Fault Current:
Date of Calculation:

NEW LOAD WORKSHEET

METERED DATA COLLECTION NOTES:

SUBTRACTED LOAD:	0.00	(KVA)
ADDED LOAD:	0.00	(KVA)
125% METERED LOAD:	0.00	(KVA)
TOTAL EXPECTED LOAD:	0.00	(KVA)
TOTAL EXPECTED LOAD:	0	(AMPS)

LEGEND:

1. REFER TO DRAWING E0.0 FOR COMMON SYMBOLS AND E0.1 FOR ABBREVIATIONS

GENERAL NOTES:

1. REFER TO DRAWING E0.2 FOR GENERAL PROJECT NOTES.
2. REFER TO ONE-LINE DRAWING E10.0 FOR LOAD TYPE ABBREVIATIONS USED IN PANEL SCHEDULES.

CONSTRUCTION NOTES:

1. PROVIDE PANEL WITH SPECIFIED BREAKERS AND CIRCUITS AS SHOWN.

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APPROVED:

DIRECTOR ENG. DATE | CHECKED BY DATE

PRINTED BY: steven.garrett Nov 07, 2025 | PROJ. ENGR DATE

PORT ADDRESS:

DRAWING SCALE: NONE

PARCEL:

PHASE: BID SET | VERT: | RANGE: 03 | SECTION: 27 | TOWNSHIP: 21 NORTH | DAT-HRZ: WA83-SF

PROJ. ID: 101686.01

PA: POT-PA-0000000292

6710

E10.3

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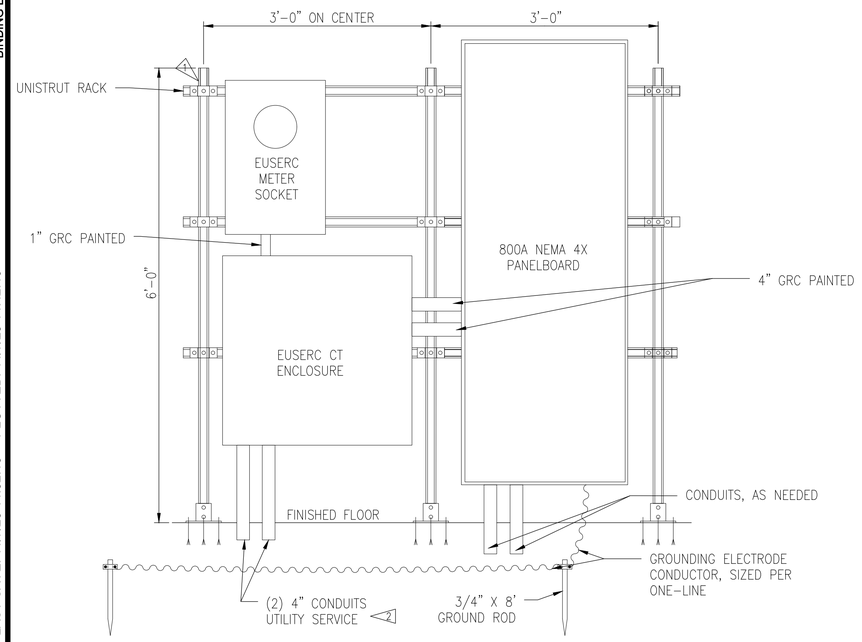
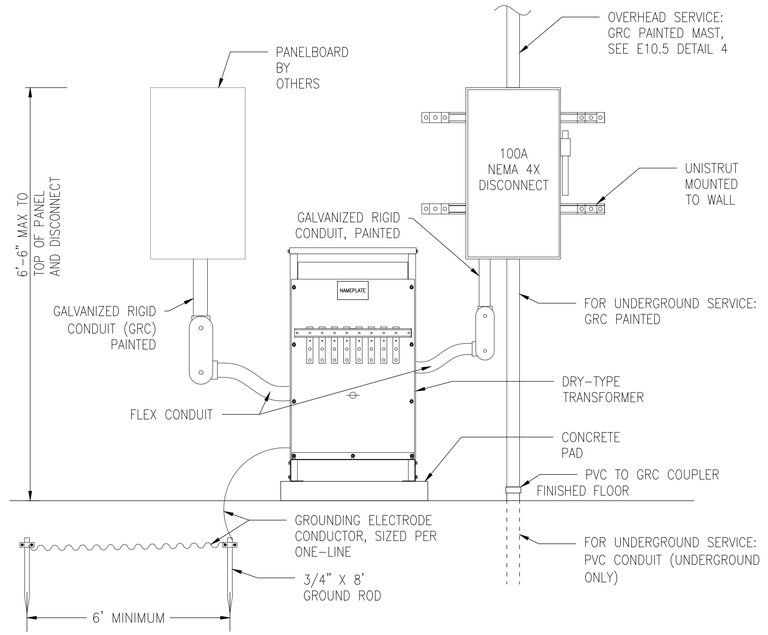
EBC SILVERBACK TEMPORARY RELOCATION

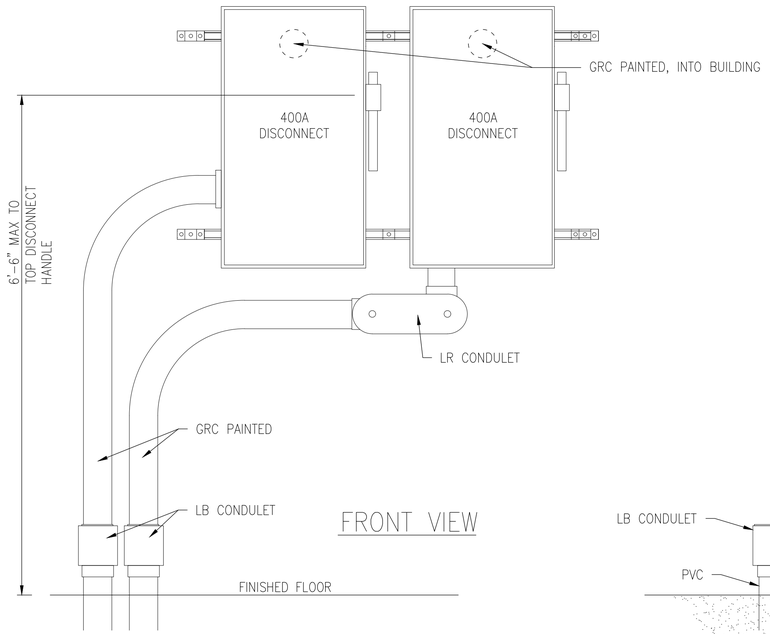
PANEL SCHEDULES



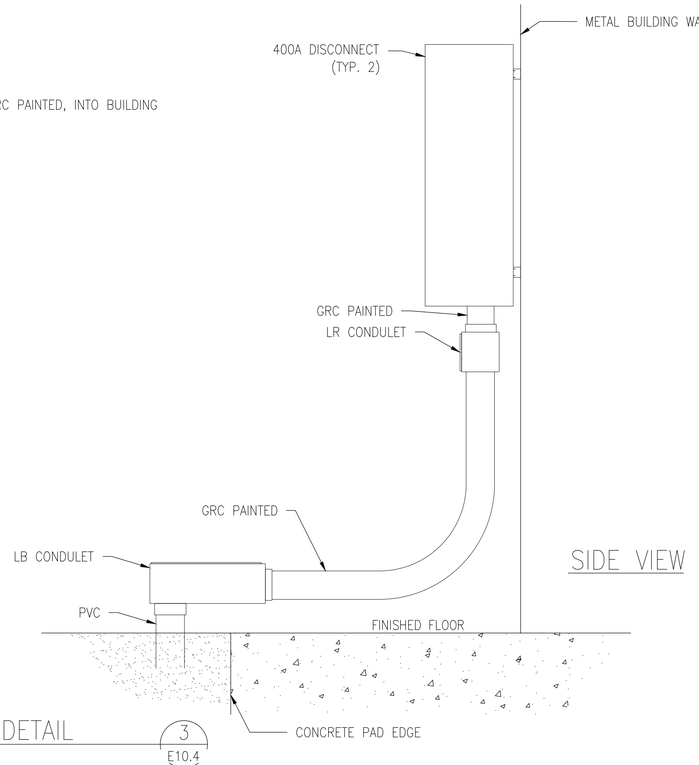
TEMPORARY SERVICE MOUNTING DETAIL — 1 / E10.4
SCALE: NTS



TYPICAL MODULAR BUILDING SERVICE DETAIL — 2 / E10.4
SCALE: NTS



FRONT VIEW



SIDE VIEW

400A DISCONNECT MOUNTING DETAIL — 3 / E10.4
SCALE: NTS

LEGEND:

1. REFER TO DRAWING E0.0 FOR COMMON SYMBOLS AND E0.1 FOR ABBREVIATIONS

GENERAL NOTES:

1. REFER TO DRAWING E0.2 FOR GENERAL PROJECT NOTES.

CONSTRUCTION NOTES:

1. PROVIDE GREEN PAINTED C-CHANNEL STRUT RACK WITH EQUIPMENT AS SHOWN. REFER TO ONE-LINE DIAGRAM E10.0T FOR EQUIPMENT DETAILS.
2. PROVIDE CONDUIT ONLY FOR FUTURE SERVICE.

1' 6" 0 6" 1' 2'
SCALE: 1"=1'-0"

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STATE OF WASHINGTON — STEVEN H. GARRETT — 24000 — REGISTERED PROFESSIONAL ENGINEER

APPROVED:

DIRECTOR ENG.	DATE	CHECKED BY	DATE

PRINTED BY:	steven.garrett	PROJ. ENGR	DATE
PORT ADDRESS:			Nov 07, 2025

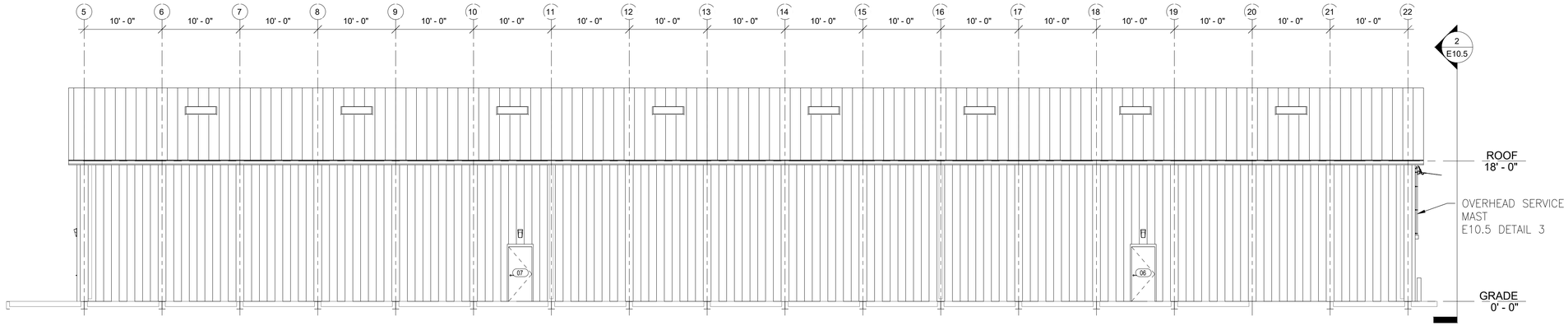
EBC SILVERBACK TEMPORARY RELOCATION

TEMPORARY SERVICE MOUNTING DETAIL

TOWNSHIP: 21 NORTH	RANGE: 03	SECTION: 27
DAT-HRZ: WA83-SF	VERT:	DRAWING SCALE: 1" = 1'-0"
PARCEL:		

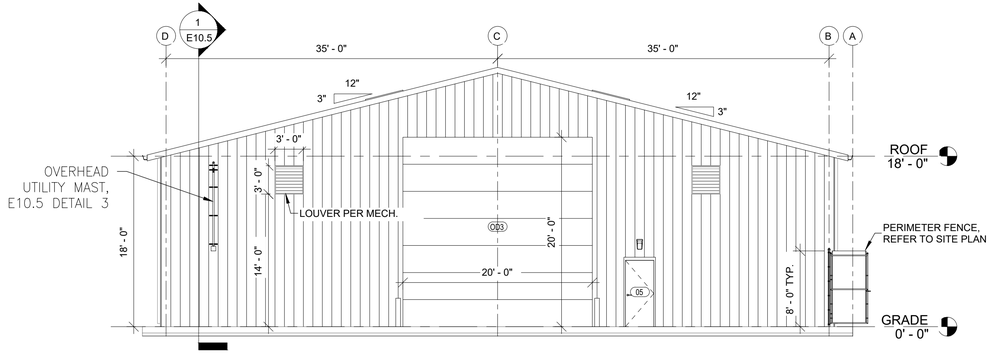
PA:	POT-PA-000000292
PROJ. ID:	101686.01
PHASE:	BID SET

6710
E10.4
37 OF 38



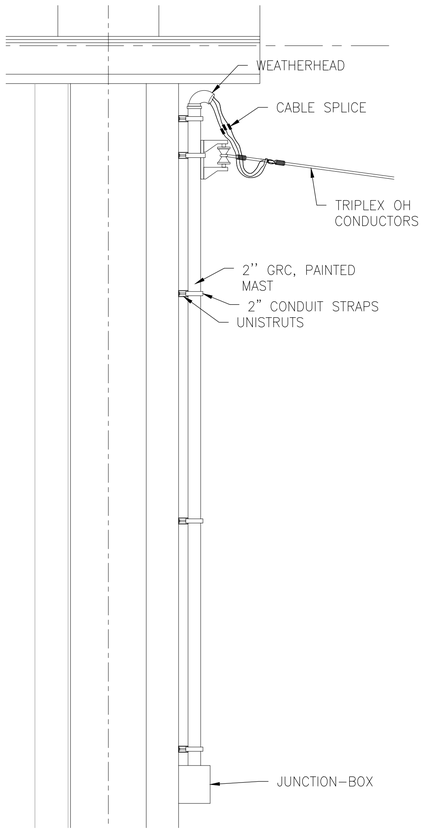
1 E10.5 **SOUTH ELEVATION**

1/8" = 1'-0"



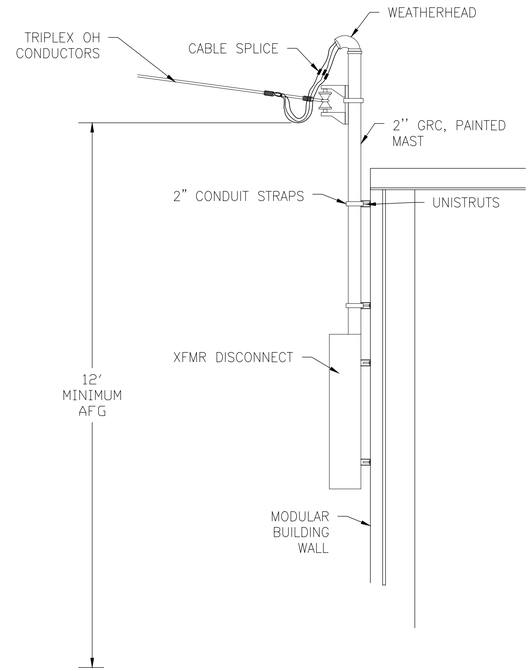
2 E10.5 **EAST ELEVATION**

1/8" = 1'-0"



3 E10.5 **SILVERBACK BLDG MAST DETAIL**

1" = 1'-0"



4 E10.5 **MODULAR BLDG MAST DETAIL**

1" = 1'-0"

Port of Tacoma
P.O. BOX 1837 TACOMA, WA 98401 | 2535383841

CASNE
3545 PACIFICA PLAZA, SUITE 200
BELLINGHAM, WA 98226
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MARK:	REVISION:	BY:	APPR:	DATE:
	.	.	.	.

STEVEN H. GARRETT
STATE OF WASHINGTON
PROFESSIONAL ENGINEER

CHECKED BY	DATE
	.

APPROVED:

DIRECTOR ENG.	DATE
	.

PROJ. ENGR	DATE
steven.garrett	Nov 07, 2025

PRINTED BY:	
PORT ADDRESS:	

EBC SILVERBACK TEMPORARY RELOCATION

WEATHERHEAD AND MAST MOUNTING DETAIL

PA:	POT–PA–00000292	TOWNSHIP: 21 NORTH	RANGE: 03	SECTION: 27
PROJ. ID:	101686.01	DAT–HRZ: WA83–SF	VERT:	
PHASE:	BID SET	PARCEL:		DRAWING SCALE: 1" = 1'-0"

6710

E10.5

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