# BROADWAY FIELD - HERCHE FACILITY RELOCATION

## PERMIT SUBMITTAL

## SEASIDE SCHOOL DISTRICT
## 1400 BROADWAY ST
## SEASIDE, OR 97138

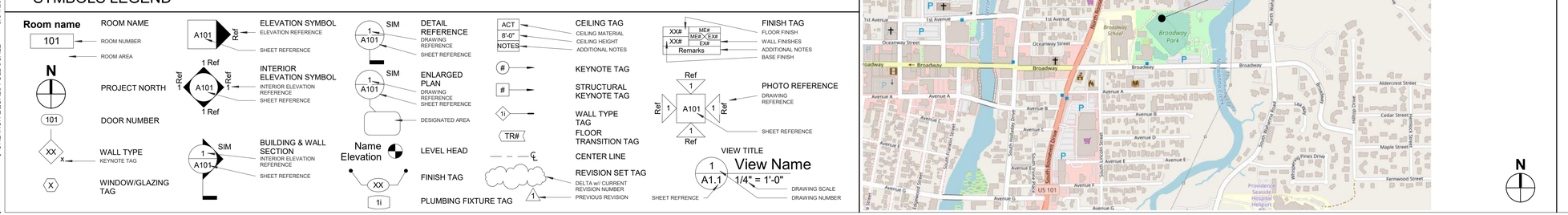
## PROJECT NOTES

1. ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS SHALL BE FIELD VERIFIED. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD OF ANY SIGNIFICANT DISCREPANCIES FROM CONDITIONS SHOWN ON THE DRAWINGS.
2. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION MEANS AND METHODS. RESPONSIBILITY SHALL INCLUDE BUT NOT LIMITED TO DEMOLITION AND CONSTRUCTION MEANS AND METHODS, TECHNIQUES, SEQUENCING, AND SAFETY REQUIRED TO COMPLETE CONSTRUCTION.
3. BEFORE STARTING A SECTION OF WORK THE CONTRACTOR SHALL CAREFULLY EXAMINE PREPARATORY WORK THAT HAS BEEN EXECUTED. ENSURE THAT WORK AND ADJACENT RELATED WORK WILL FINISH TO PROPER PLANES AND LEVELS.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL MATERIALS AND WORKMANSHIP IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES.
5. CONTRACTOR IS RESPONSIBLE FOR CHECKING ALL CONTRACT DOCUMENTS, FIELD CONDITIONS, AND DIMENSIONS FOR ACCURACY AND CONFIRMING THAT WORK IS BUILDABLE AS SHOWN BEFORE PROCEEDING WITH THE CONSTRUCTION. IF THERE ARE ANY QUESTIONS, THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM THE ARCHITECT BEFORE PROCEEDING WITH THE WORK IN QUESTION OR RELATE WORK.
6. THE CONTRACTOR SHALL NOT SCALE DRAWINGS. WRITTEN DIMENSIONS SHALL ALWAYS GOVERN. CONTRACTOR REQUIRING DIMENSIONS NOT NOTED SHALL ALWAYS CONTACT THE PROJECT TEAM FOR SUCH INFORMATION PRIOR TO PRECEDING WITH WORK RELATED TO THOSE DIMENSIONS
7. THE CONTRACTOR SHALL PROTECT, PATCH, AND REPAIR TO MATCH ANY WALLS, FLOORS, CEILINGS, AND/OR OTHER SURFACES WHICH MAY BE DISTURBED DURING THE INSTALLATION OF MECHANICAL, ELECTRICAL, PLUMBING OR OTHER OWNER WORK.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED FOR PROPER INSTALLATION OF MATERIAL AND EQUIPMENT. PROVIDE DEMOLITION AND PATCH/REPAIR IN ALL AREAS (WHETHER SPECIFICALLY SHOWN OR NOT) TO ACCOMMODATE ALL WORK.
9. IF THE CONTRACTOR ENCOUNTERS A CONDITION NOT COVERED IN THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL NOTIFY AND RESOLVE THE ISSUE WITH THE PROJECT TEAM BEFORE COMMENCING ANY WORK.
10. ALL PERMITS ASSOCIATED WITH THE PROJECT SHALL BE PAID AND OBTAINED BY THE CONTRACTOR.
11. DIMENSIONS ARE TO FACE OF FRAMING UNLESS OTHERWISE NOTED.
12. GENERAL CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR JOB CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF PERSONS AND PROPERTY AND COMPLIANCE WITH OSHA SAFETY STANDARDS.
13. WHEN PORTIONS OF THE WORK ARE PERFORMED BY THE CONTRACTOR ON A DESIGN-BUILD BASIS, THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE DESIGN OF SUCH SYSTEMS AND FOR THE SECURING OF ALL ASSOCIATED PERMITS,. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL DESIGN BUILD SUB CONTRACTORS .
14. CONTRACTOR SHALL AVOID INTERFERENCE AND CONFLICT WITH THE BUILDING'S NORMAL OPERATION. CONTRACTOR TO COMPLY WITH THE BUILDING RULES AND REGULATIONS REGARDING SCHEDULING AND USE OF ELEVATORS AND LOADING DOCKS FOR DELIVERY AND HANDLING OF MATERIALS, EQUIPMENT, AND DEBRIS.
15. ALL KEY NOTES INDICATE NEW ITEMS TYPICALLY UNLESS NOTED OTHERWISE
16. CONTRACTOR SHALL BE RESPONSIBLE FOR ASHREA COMPLIANCE IN SCHOOL,RETAIL, AND OFFICE SPACES

## ABBREVIATIONS

| | | | | | |
|---|---|---|---|---|---|
| A.B. | ANCHOR BOLT | Ga. | GAUGE | PAF | POWDER ACTUATED FASTENER |
| A.C. | ASPHALT CONCRETE | GALV. | GALVANIZED | P/C | PRECAST (CONCRETE) |
| A.C.B. | ACOUSTICAL BOARD | GL | GRID LINE | PCF | POUNDS PER CUBIC FOOT |
| ACI | AMERICAN CONCRETE INSTITUTE | GLB | GLULAM BEAM | PL | PLATE |
| A.C.P. | ACOUSTICAL PANEL | G.B. | GRAB BAR | P.LAM. | PLASTIC LAMINATE |
| A.C.T. | ACOUSTICAL CEILING TILE | GND. | GROUND | PLAS. | PLASTER |
| ADD'L. | ADDITIONAL | GYP. | GYPSUM | P.C.P. | PORTLAND CEMENT PLASTER |
| A.D. | AREA DRAIN | G.W.B. | GYPSUM WALL BOARD | PJP | PARTIAL JOINT PENETRATION |
| ADJ. | ADJUSTABLE | H.B. | HOSE BIBB | PR. | PAIR |
| A.F. | ACCESS FLOORING | H.C. | HOLLOW CORE | PSF | POUNDS PER FOOT |
| AGGR. | AGGREGATE | H.M. | HOLLOW METAL | PSI | POUNDS PER INCH |
| A.F.F. | ABOVE FINISHED FLOOR | HORIZ. | HORIZONTAL | P/T | POST-TENSIONED |
| AISC | AMERICAN INSTITUTE OF STEEL CONSTRUCTION | HSS | HOLLOW STRUCTURAL STEEL | P.T. | PRESSURE TREATED |
| ARCH. | ARCHITECT | IBC | INTERNATIONAL BUILDING CODE | PTN. | PARTITION |
| ASCE | AMERICAN SOCIETY OF CIVIL ENGINEERS | I.D. | INSIDE DIAMETER | (R) | REMOVE |
| ASTM | AMERICAN SOCIETY FOR TESTING AND MATERIALS | IN. | INCH | R., RAD. | RADIUS |
| AWS | AMERICAN WELDING SOCIETY | INT. | INTERIOR | R.C.P. | REFLECTED CEILING PLAN |
| BD. | BOARD | J.B. | JUNCTION BOX | R.D. | ROOF DRAIN |
| BITUM. | BITUMINOUS | J.O.H. | JAMB OPENING HEIGHT | REF. | REFERENCE |
| BKP. | BACKING PLATE | J.O.W. | JAMB WIDTH | REINF. | REINFORCING |
| BM. | BEAM | JT. | JOINT | REQ'D. | REQUIRED |
| BOT./B.O. | BOTTOM/BOTTOM OF | KSF | KIPS PER SQUARE FOOT | RL. | RELOCATE |
| C.B. | CATCH BASIN | KSI | KIPS PER SQUARE INCH | R.O. | ROUGH OPENING |
| CEM. | CEMENT | LAM. | LAMINATE | RWD. | REDWOOD |
| CER. | CERAMIC | LB. | POUND | REV. | REVERSED |
| C.G. | CORNER GUARD | L.L. | LIVE LOAD | S.C. | SOLID CORE or SLIP CRITICAL |
| C.I. | CAST IRON | LLH | LONG LEG HORIZONTAL | S.C.D. | SEE CIVIL DRAWINGS |
| C.J. | CONTROL JOINT | LLV. | LONG LEG VERTICAL | SCHED. | SCHEDULE |
| CJP | COMPLETE JOINT PENETRATION | LOC. | LOCATION | SHR. | SHOWER |
| CL ℄ | CENTERLINE | LONG. | LONGITUDINAL | SIM. | SIMILAR |
| CLG. | CEILING | L.P. | LOW POINT | S.J. | SCORE JOINT |
| CLKG. | CAULKING | LVF | LOW VELOCITY FASTENER | S.L.D. | SEE LANDSCAPING DRAWINGS |
| CLO. | CLOSET | MAX. | MAXIMUM | SLRS | SEISMIC LOAD RESISTING SYSTEM |
| CLR. | CLEAR | MBMA | METAL BUILDING MANUFACTURERS ASSOCIATION | S.M. | SHEET METAL |
| CMU | CONCRETE MASONRY UNIT | M.C. | MEDICINE CABINET | S.M.D | SEE MECHANICAL DRAWINGS |
| C.O. | CASED OPENING | M.D.F. | MEDIUM DENSITY FIBERBOARD | S.O.G. | SLAB ON GRADE |
| CONC. | CONCRETE | M.D.O. | MEDIUM DENSITY OVERLAY | SPEC. | SPECIFICATION |
| CONN. | CONNECTION | MECH. | MECHANICAL | SQ. | SQUARE |
| CONST. | CONSTRUCTION | MEMB. | MEMBRANE | S.S.D. | SEE STRUCTURAL DRAWINGS |
| CORR. | CORRIDOR | MFR. | MANUFACTURER | S.S. | STAINLESS STEEL |
| CPT. | CARPET | MH. | MANHOLE | SSMA | STEEL STUD MANUFACTURERS ASSOCIATION |
| CTSK. | COUNTERSUNK | MIN. | MINIMUM | STD. | STANDARD |
| C.T. | CERAMIC TILE | MIR. | MIRROR | STRUCT. | STRUCTURAL |
| CTR. | CENTER | MISC. | MISCELLANEOUS | S.T.S. | SELF TAPPING SCREW |
| DBA | DEFORMED BAR ANCHOR | M.O. | MASONRY OPENING | SUSP. | SUSPENDED |
| D.F. | DRINKING FOUNTAIN | M.P. | MIDPOINT | SYM. | SYMMETRICAL |
| D.L. | DEAD LOAD | MPH | MILES PER HOUR | THRU | THROUGH |
| DET. | DETAIL | M.S. | MACHINE SCREW | TYP. | TYPICAL |
| DIA., ⌀ | DIAMETER | MT | MAGNETIC PARTICLE TESTING | TRD. | TREAD |
| DISP. | DISPENSER | MTD. | MOUNTED | T.B. | TOWEL BAR |
| DR. | DOOR | MUL. | MULLION | T.C. | TOP OF CURB |
| DWG. | DRAWING | (N) | NEW | T & G | TONGUE AND GROOVE |
| DWR. | DRAWER | N.I.C. | NOT IN CONTRACT | THK. | THICK |
| D.S. | DOWNSPOUT | NOM. | NOMINAL | TJ | TRUSS JOIST |
| D.S.P. | DRY STANDPIPE | N.T.S. | NOT TO SCALE | T.P. | TOP OF PAVEMENT |
| (E) | EXISTING | OBS. | OBSCURE | TRANS. | TRANSVERSE |
| E.J. | EXPANSION JOINT | o.c. | ON CENTER | T.W. | TOP OF WALL |
| ELEC. | ELECTRICAL | O.C.D. | OVERHEAD COILING DOOR | U.N.O. | UNLESS NOTED OTHERWISE |
| EL. | ELEVATION | O.C.G | OVERHEAD COILING GRILLE | U.T. | ULTRASONIC TESTING |
| EQ. | EQUAL | O.D. | OUTSIDE DIAMETER | VERT. | VERTICAL |
| EXPO. | EXPOSED | O.F.C.I. | OWNER FURNISHED CONTRACTOR INSTALLED | V.I.F. | VERIFY IN FIELD |
| EXP. | EXPANSION | O.F.D. | OVERFLOW DRAIN | V.T.R. | VENT THROUGH ROOF |
| EXT. | EXTERIOR | O.F.O.I. | OWNER FURNISHED OWNER INSTALLED | w/ | WITH |
| F.A. | FIRE ALARM | OH. | OPPOSITE HAND | w/o | WITHOUT |
| FB. | FLAT BAR | OPP. | OPPOSITE | W.C. | WATER CLOSET |
| F.D. | FLOOR DRAIN | OWJ | OPEN WEB JOIST | WF | WIDE FLANGE |
| FDN. | FOUNDATION | | | W.O. | WINDOW OPENING |
| FE | FIRE EXTINGUISHER | | | W.P. | WORK POINT |
| F.E.F. | FACE OF EXISTING FINISH | | | | |
| F.H. | FLAT HEAD | | | | |
| FIN. | FINISH | | | | |
| FLR. | FLOOR | | | | |
| F.O.C | FACE OF CONCRETE | | | | |
| F.O.F | FACE OF FINISH | | | | |
| F.O.S. | FACE OF STUDS | | | | |
| F.S. | FULL SIZE | | | | |
| FT. | FOOT | | | | |
| FTG. | FOOTING | | | | |
| FUT. | FUTURE | | | | |

## SYMBOLS LEGEND




## PROJECT DESCRIPTION

THE PROPOSED PROJECT IS PRECIPITATED BY A TITLE IX COMPLAINT REGARDING THE EQUITY OF THE EXISTING SOFTBALL AND BASEBALL FACILITIES. AS A RESULT, THE SOFTBALL FIELD RENOVATIONS REQUIRE THE EXISTING HERCHE FAMILY TRAINING CENTER TO BE RELOCATED TO ACCOMODATE THE NEW SOFTBALL FIELD.

THE PROPOSED SCOPE OF WORK CONSISTS OF:
- RELOCATING THE HERCHE FAMILY TRAINING CENTER
- SITE IMPROVEMENTS INCLUDING UTILITIES AND PEDESTRIAN ROUTES ASSOCIATED WITH RELOCATING THE HERCHE FAMILY TRAINING CENTER

## PROJECT TEAM

STAKE HOLDER GROUP:

STAKE HOLDER #1: *SEASIDE SCHOOL DISTRICT*
OWNER CONTACT: *SUSAN PENROD*
2600 SPRUCE DR, STE. 100
SEASIDE, OR 97138
T 503.738.5591

STAKE HOLDER #2: *CITY OF SEASIDE*
OWNER CONTACT: *DALE MCDOWELL*
SEASIDE PUBLIC WORKS
1387 AVENUE U
SEASIDE, OR 97138
T 503.738.8765

STAKE HOLDER #3: *SUNSET EMPIRE PARK & RECREATION DISTRICT*
OWNER CONTACT: *SKYLAR ARCHIBALD*
SEPRD
1140 BROADWAY ST
SEASIDE, OR 97138
T 503.738.3311

OWNER'S REP:

CONTACT: *BRIAN HARDEBECK*
OTAK CPM
808 SW THIRD AVE, STE. 800
PORTLAND, OR 97204
T 503.536.3388

CIVIL:

PROJECT DESIGNER: *BLAKE DAVIS*
PROJECT ENGINEER: *ZACHARY A. STOKES, PE*
ZCS ENGINEERING & ARCHITECTURE
524 MAIN ST., STE. 2
OREGON CITY, OR 97045
T 503.659.2205

ARCHITECT:

PROJECT DESIGNER: *LARRY SHIRTS*
STAMPING REGISTRANT: *ZACHARY A. STOKES, PE*
ZCS ENGINEERING & ARCHITECTURE
524 MAIN ST., STE. 2
OREGON CITY, OR 97045
T 503.659.2205

STRUCTURAL:

PROJECT ENGINEER: *SEAN CLARK, PE*
OTAK, INC.
808 SW THIRD AVE, STE. 800
PORTLAND, OR 97204
T 360.737.9613

MEP CONSULTANT:

CONTACT: *SHYLA KEAYS-GOODMAN*
KCL ENGINEERING
199 E. 5TH AVE, STE. 35
EUGENE, OR 97401
T 503.212.4612

GENERAL CONTRACTOR:
TBD

## VICINITY MAP




## SHEET INDEX




ZCS ENGINEERING ARCHITECTURE
524 Main Street, Suite 2, Oregon City, Oregon 97045 | 503-659-2205


SEASIDE SCHOOL DISTRICT
1400 BROADWAY ST
SEASIDE, OR 97138

**BROADWAY FIELD - HERCHE FACILITY RELOCATION**

REGISTERED PROFESSIONAL ENGINEER
OREGON
JUNE 7, 2012
ZACHARY A. STOKES
EXPIRES: 06-30-24

| REVISION ID: | DATE: |
|---|---|
| 1 CMGC BID SET | 09-01-23 |

| | |
|---|---|
| PROJECT NO. | P-2821-22 |
| DRAWN: | LJS |
| CHECKED: | DDS |
| DATE: | 05-19-2023 |

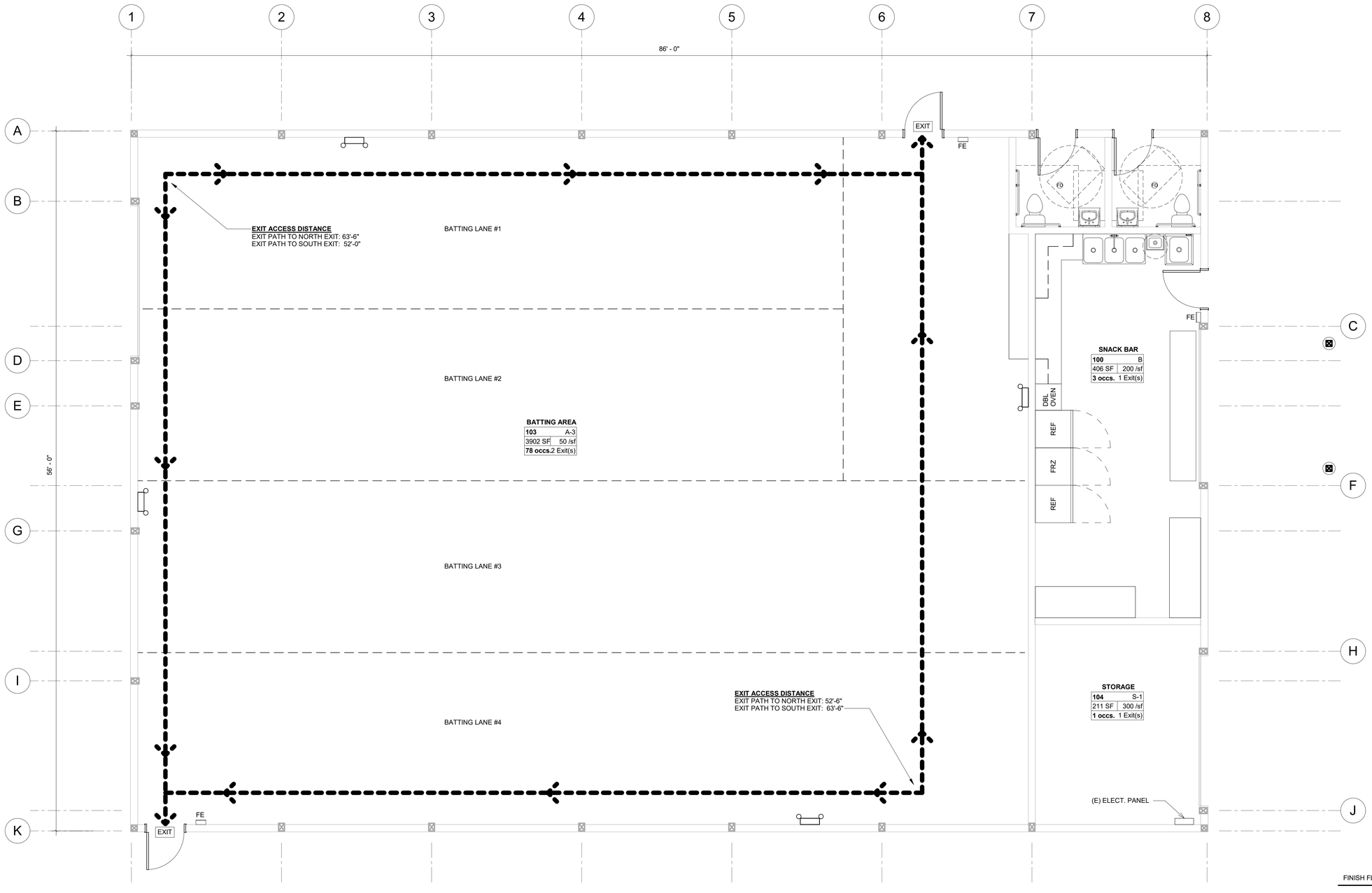
COVER SHEET

**G0.0**

PERMIT SUBMITTAL

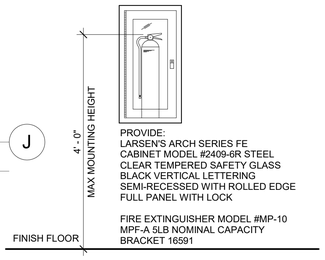
8/31/2023 3:03:12 PM BIM 360://P2821.Seaside Softball 21/P2821 Seaside SD Herche Building.rvt

ONE INCH EQUALS FULL SCALE




1 G1.0 CODE PLAN
1/4" = 1'-0"

N




PROVIDE:
LARSEN'S ARCH SERIES FE
CABINET MODEL #2409-6R STEEL
CLEAR TEMPERED SAFETY GLASS
BLACK VERTICAL LETTERING
SEMI-RECESSED WITH ROLLED EDGE
FULL PANEL WITH LOCK

FIRE EXTINGUISHER MODEL #MP-10
MPF-A 5LB NOMINAL CAPACITY
BRACKET 16591

2 G1.0 FIRE EXTINGUISHER MOUNTING DETAIL
3/4" = 1'-0"

## LIFE SAFETY CODE SUMMARY

3403.1.4 RELOCATED BUILDINGS SHALL COMPLY WITH ORS 455.410. (E) BUILDINGS WHICH ARE REMOVED FROM THEIR FOUNDATION AND RELOCATED TO ANOTHER SITE SHALL BE IN SUBSTANTIAL COMPLIANCE.

SUBSTANTIAL COMPLIANCE MEANS COMPLIANCE WITH LOCAL CONSTRUCTION CODES IN EFFECT AS OF THE ORIGINAL PERMIT DATE OF THE BUILDING.
*THE HERCHE FAMILY TRAINING FACILITY WAS ORIGINALLY DESIGNED AND PERMITTED UNDER 2019 OSSC.*

## ENERGY CODE SUMMARY

THE HERCHE TRAINING FACILITY IS CONSIDERED AN UNCONDITIONED BUILDING AS THE HYDRONIC RADIANT FLOOR SYSTEM OUTPUT CAPACITY WAS AND WILL BE RECONSTRUCTED TO BE BELOW 3.4 Btuh/SF OF FLOOR AREA PER THE ORIGINAL BUILDING AND MECHANICAL PERMITS.

## FIRE LIFE SAFETY LEGEND

EXIT — (E) ILLUMINATED EXIT SIGN WITH BATTERY BACKUP

(E) EMERGENCY BUG EYE LIGHT WITH BATTERY BACKUP

EMERGENCY EXIT ROUTE

**Room name**

| | |
|---|---|
| **101** | OccType |
| 150 sf | OLF /sf |
| **# occs.** | # Exit(s) |

ROOM OCCUPANT LOAD

FE — FIRE EXTINGUISHER

ZCS ENGINEERING ARCHITECTURE
524 Main Street, Suite 2, Oregon City, Oregon 97045 | 503-659-2205

SEASIDE SCHOOL DISTRICT
1400 BROADWAY ST
SEASIDE, OR 97138

# BROADWAY FIELD - HERCHE FACILITY RELOCATION

REGISTERED PROFESSIONAL ENGINEER
OREGON
JUNE 7, 2017
ZACHARY A. STOKES
EXPIRES: 06-30-24

| △REVISION ID: | DATE: |
|---|---|
| | |

| | |
|---|---|
| PROJECT NO. | P-2821-22 |
| DRAWN: | LJS |
| CHECKED: | DDS |
| DATE: | 05-19-2023 |

CODE PLAN

**G1.0**

PERMIT SUBMITTAL

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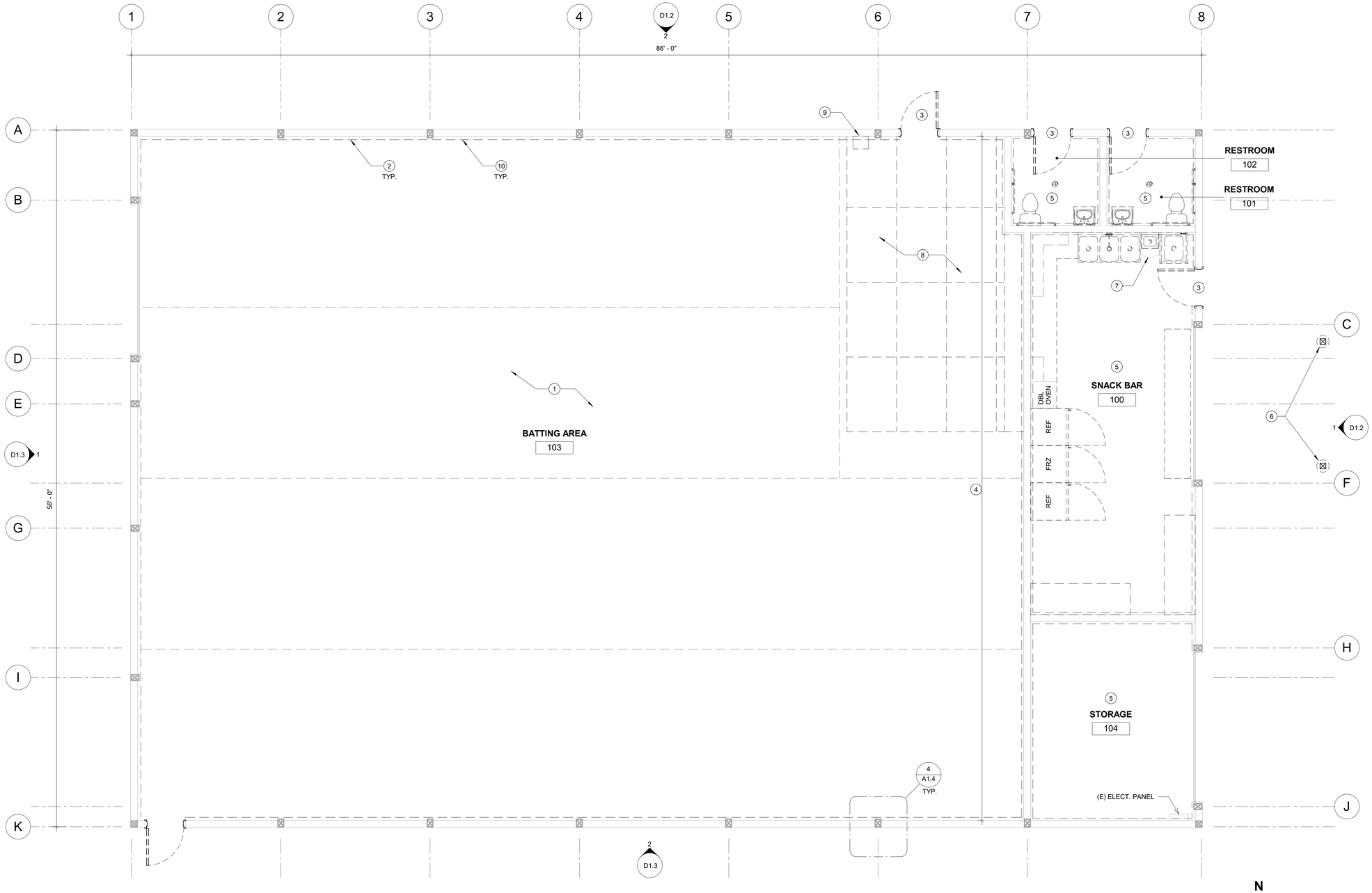
8/30/2023 2:09:32 PM
ONE INCH EQUALS FULL SCALE




BIM 360://P2821 Seaside Softball 21/P2821 Seaside SD Herche Building.rvt
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ONE INCH EQUALS FULL SCALE

1 D1.1 DEMO FLOOR PLAN
1/4" = 1'-0"

## DEMO PLAN GENERAL NOTES

A. ALL EXISTING POLE BUILDING COLUMNS, EXTERIOR HORIZONTAL GIRTS AND STRUCTURAL MEMBERS TO REMAIN, U.N.O. PROJECT SPECIFIC DEMOLITION INTENT IS DEFINED AS:
   - A. ALL INTERIOR FINISHES UP TO 6'-0" A.F.F.
   - B. ALL FRP PANELS.
   - C. ALL PLYWOOD WAINSCOT IN BATTING AREA.
   - D. CONCRETE FOUNDATION SLAB.

B. OBTAIN ALL REQUIRED PERMITS FOR BUILDING RELOCATION AND INCLUDE ALL COSTS OF SAME IN CONTRACT PRICE.

C. CONTRACTORS SHALL BE RESPONSIBLE FOR DISPOSAL OF ALL DEBRIS. PATCH AND REPAIR OF INTERIOR SPACE.

D. FURNISH ALL LABOR AND MATERIALS/EQUIPMENT TO COMPLETE DEMOLITION AND REMOVAL OF ALL ITEMS AS INDICATED IN PREPARATION FOR BUILDING RELOCATION. CONTRACTOR SHALL KEEP CONSTRUCTION AREA FREE OF DUST AND DEBRIS FOR THE DURATION OF CONSTRUCTION. IF ANY QUESTIONS ARISE AS TO THE REMOVAL OF ANY MATERIAL, CLARIFY THE POINT IN QUESTION WITH DESIGNER BEFORE PROCEEDING.

E. IN ADDITION TO SPECIFIC DEMOLITION SCOPE IDENTIFIED, PERFORM MISCELLANEOUS DEMOLITION AS REQUIRED BY BUILDING RELOCATION CONTRACTOR .

F. CONTRACTOR SHALL STORE ALL EXISTING EQUIPMENT, FIXTURES, CASEWORK, AND FURNISHINGS TO BE SALVAGED IN A DRY, SAFE AND SECURE LOCATION UNTIL RE-INSTALLATION.

G. IN PARTITIONS TO BE REMOVED, REMOVE AND CAP ALL OUTLETS, SWITCHES, WIRES, THERMOSTATS, ETC., TO THEIR SOURCE.

H. PREPARE SURFACES FOR NEW FINISHES U.N.O., TYPICAL THROUGHOUT ENTIRE SPACE.

I. REMOVE ALL ABANDONED ELECTRICAL CONDUIT, CABLING BACKBOARD AND EQUIPMENT, TYPICAL THROUGHOUT ENTIRE SPACE.

J. NO EXISTING SMOKE DETECTOR, PUBLIC ADDRESS SPEAKER, FIRE ALARM BOX OR SIMILAR DEVICE, INCLUDING THE ASSOCIATED WIRING SHALL BE DAMAGED DURING DEMOLITION, BUILDING RELOCATION AND SUBSEQUENT CONSTRUCTION.

K. RELOCATION OF SMOKE DETECTORS, AND FIRE ALARM EQUIPMENT, NECESSITATED BY BUILDING RELOCATION, SHALL BE ACCOMPLISHED AS A FIRST PRIORITY, AND PER THE PLANS. NO ACTIVE SMOKE DETECTOR SHALL BE PERMANENTLY COVERED OR OTHERWISE REMOVED OR USED FOR OTHER THAN ITS INTENDED PURPOSE. REMOVE TEMPORARY COVERS DAILY.

L. AT COMPLETION OF DEMOLITION WORK, THE CONSTRUCTION AREA(S) SHALL BE LEFT IN "BROOM CLEAN" CONDITION. ALL DEBRIS AND MISCELLANEOUS MATERIAL SHALL BE REMOVED.

## DEMO WALL LEGEND

(E) WALL TO REMAIN

(E) ELEMENT TO BE DEMOLISHED

## # DEMO PLAN KEYNOTES

1. REMOVE AND SALVAGE ALL (E) EQUIPMENT AND FURNISHINGS FOR RE-INSTALLATION AFTER BUILDING IS SET IN NEW LOCATION.
2. 1 REMOVE INTERIOR FINISHES UP TO 6'-0" MIN. A.F.F., V.I.F. REMOVE AND SALVAGE OR SECURE (E) WALL INSULATION AS NEEDED.
3. REMOVE (E) DOOR AND RE-INSTALL AFTER BUILDING IS SET IN NEW LOCATION.
4. REMOVE AND SALVAGE (E) BENCH AND BLEACHER FACING ACCENT FROM WALL FOR RE-INSTALLATION AFTER BUILDING IS SET IN NEW LOCATION. REMOVE WALL FINISHES UP TO 1 6'-0" MIN. A.F.F., V.I.F.
5. REMOVE AND SALVAGE ALL (E) EQUIPMENT, FIXTURES, CASEWORK, AND FURNISHINGS FOR RE-INSTALLATION AFTER BUILDING IS SET IN NEW LOCATION. DEMO ALL (E) FRP AND REMOVE WALL FINISHES UP TO 6'-0" MIN. A.F.F., V.I.F. 1
6. REMOVE AND SALVAGE (E) AWNING FOR RE-INATALLATION AFTER BUILDING IS SET IN NEW LOCATION. SEE STRUCT. FOR NEW FOOTINGS AND CONNECTIONS.
7. REMOVE AND SALVAGE (E) GREASE INTERCEPTOR FOR RE-INSTALLATION AFTER BUILDING IS SET IN NEW LOCATION.
8. REMOVE AND SALVAGE (E) RUBBER MATS FOR RE-INSTALLATION AFTER BUILDING IS SET IN NEW LOCATION.
9. REMOVE AND SALVAGE (E) EMERGENCY DIFIBRILLATOR.
10. DEMO ALL (E) PLY. WAINSCOT IN BATTING AREA.

ZCS ENGINEERING ARCHITECTURE
524 Main Street, Suite 2, Oregon City, Oregon 97045 | 503-659-2205

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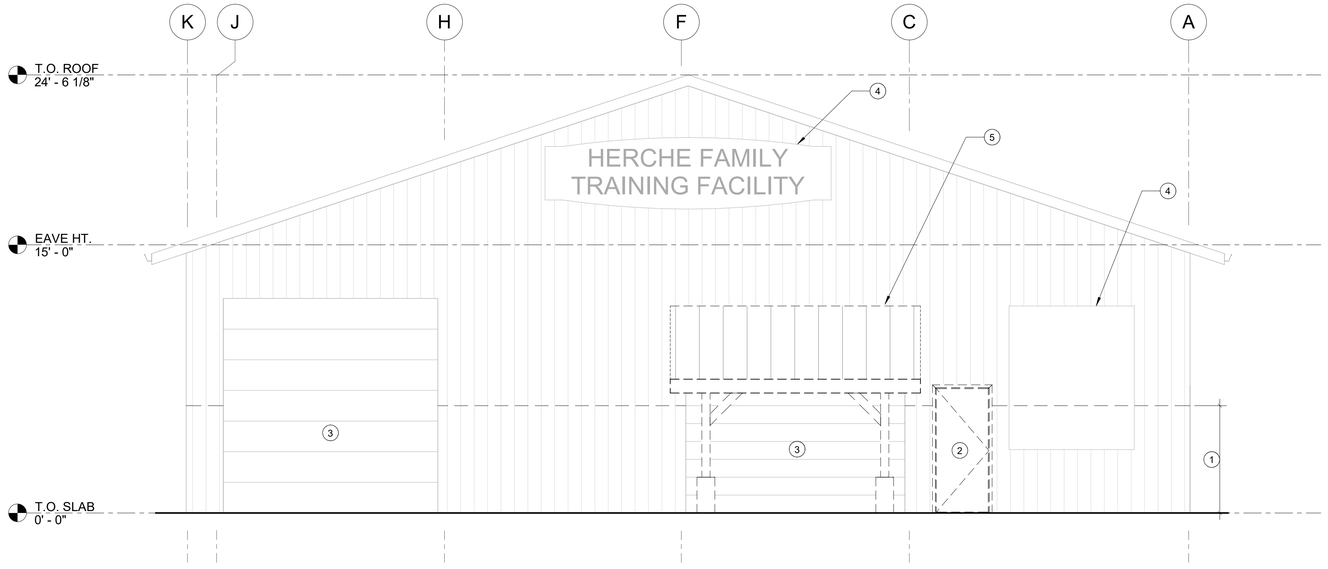
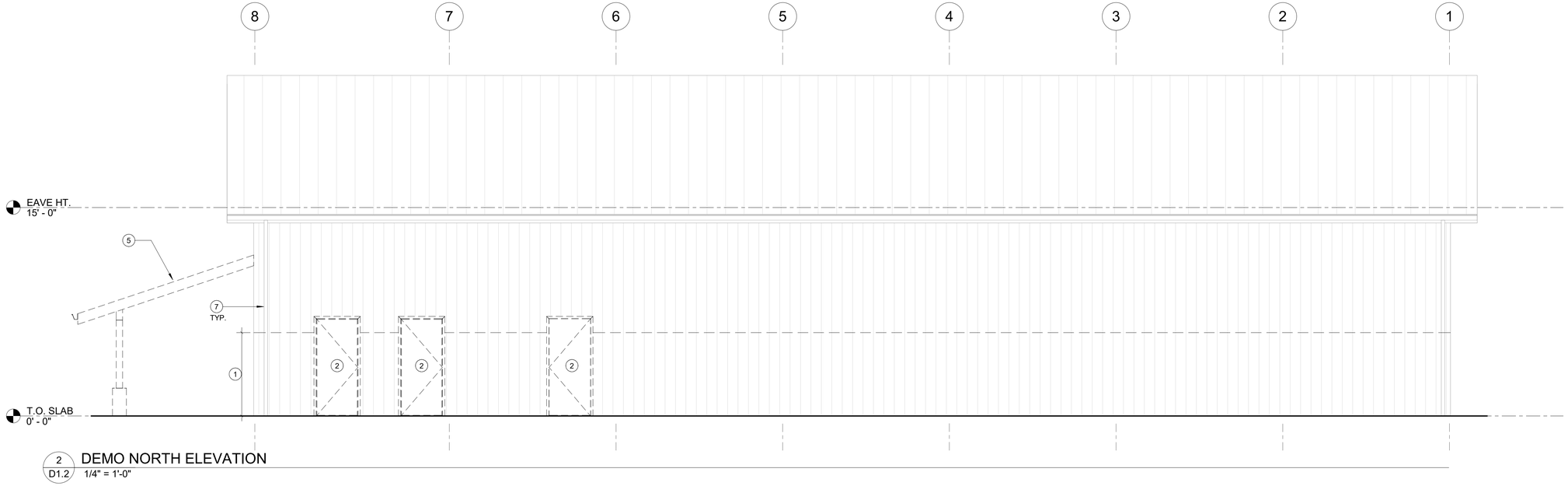
DEMO FLOOR PLAN

**D1.1**

PERMIT SUBMITTAL




1 / D1.2 DEMO EAST ELEVATION
1/4" = 1'-0"




2 / D1.2 DEMO NORTH ELEVATION
1/4" = 1'-0"

## DEMO ELEVATION LEGEND

(E) METAL PANEL TO REMAIN

(E) METAL PANEL TO BE DEMOLISHED

## # DEMO ELEVATION KEYNOTES

*NOT ALL KEYNOTES ARE USED ON THIS PLAN

1. DEMO ALL (E) INTERIOR FINISHES UP TO 6'-0" MIN. A.F.F., V.I.F. REMOVE OR SECURE (E) WALL INSULATION AS NEEDED. (E) EXTERIOR METAL SIDING PANELS TO REMAIN IN PLACE, U.N.O.
2. REMOVE (E) DOOR AND RE-INSTALL AFTER BUILDING IS SET IN NEW LOCATION.
3. SECURE SECTIONAL DOORS IN AN OPEN POSITION FOR BUILDING RELOCATION.
4. G.C. TO VERIFY WITH MOVING CONTRACTOR IF (E) SIGNAGE NEEDS TO BE REMOVED UNTIL BUILDING IS SET IN NEW LOCATION.
5. REMOVE AND RE-INSTALL (E) CANOPY, SEE STRUCT.
6. REMOVE AND SALVAGE 2-3 METAL SIDING PANELS AS DIRECTED BY MOVING CONTRACTOR. RE-INSTALL PANELS AFTER BUILDING IS SET IN NEW LOCATION.
7. REMOVE (E) DOWNSPOUTS AND RE-INSTALL AFTER BUILDING IS SET IN NEW LOCATION.
8. DISCONNECT (E) ELECTRICAL METER AND ALL OTHER UTILITIES PER CIVIL.

ZCS ENGINEERING ARCHITECTURE
524 Main Street, Suite 2, Oregon City, Oregon 97045 | 503-659-2205

SEASIDE SCHOOL DISTRICT
1400 BROADWAY ST
SEASIDE, OR 97138

**BROADWAY FIELD - HERCHE FACILITY RELOCATION**

REGISTERED PROFESSIONAL ENGINEER
OREGON
JUNE 7, 2012
ZACHARY A. STOKES
EXPIRES: 06-30-24

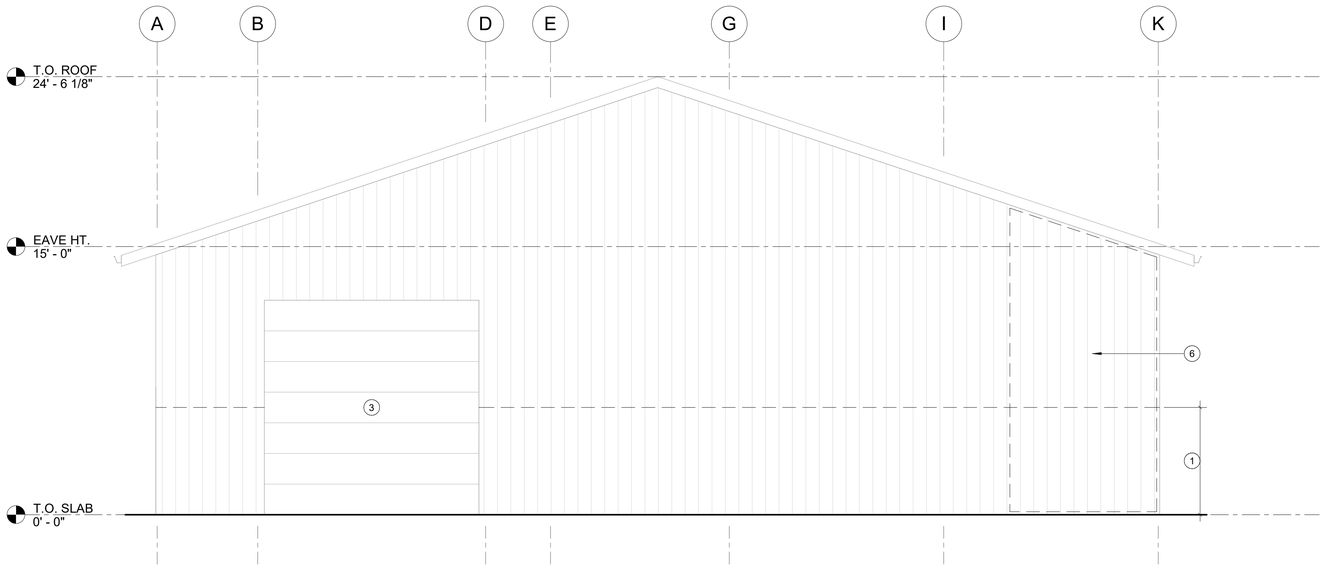
| REVISION ID: | DATE: |
|---|---|
| 1 CMGC BID SET | 09-01-23 |

| | |
|---|---|
| PROJECT NO. | P-2821-22 |
| DRAWN: | LJS |
| CHECKED: | DDS |
| DATE: | 05-19-2023 |

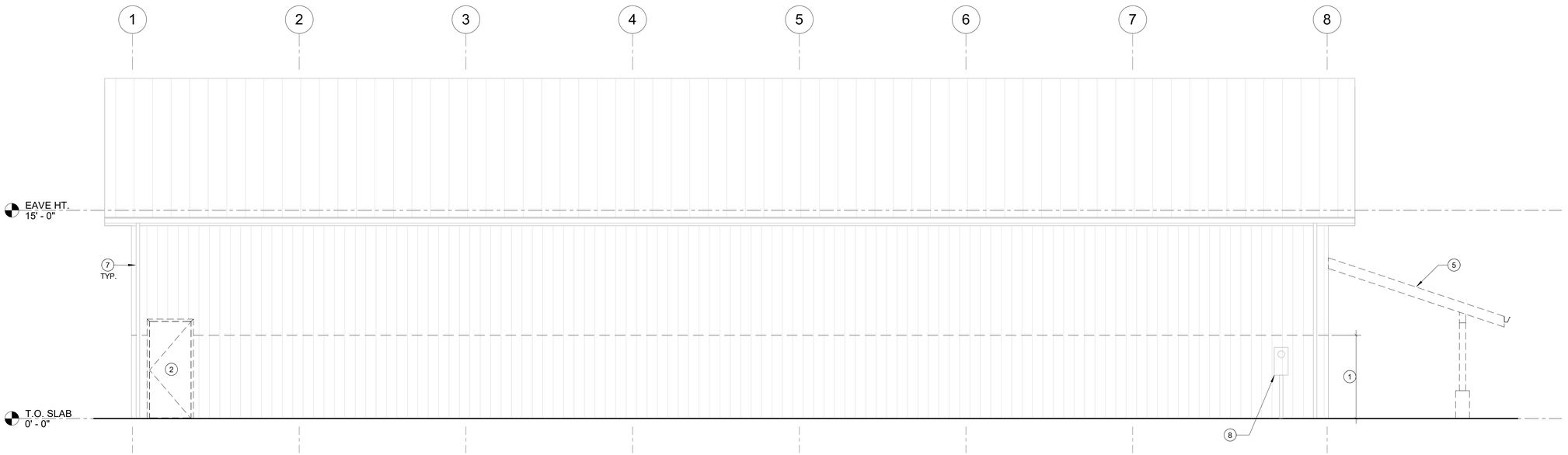
DEMO ELEVATIONS

**D1.2**

PERMIT SUBMITTAL




1 D1.3 DEMO WEST ELEVATION
1/4" = 1'-0"




2 D1.3 DEMO SOUTH ELEVATION
1/4" = 1'-0"

## DEMO ELEVATION LEGEND

(E) METAL PANEL TO REMAIN

(E) METAL PANEL TO BE DEMOLISHED

## # DEMO ELEVATION KEYNOTES

*NOT ALL KEYNOTES ARE USED ON THIS PLAN

1. DEMO ALL (E) INTERIOR FINISHES UP TO 6'-0" MIN. A.F.F., V.I.F. REMOVE OR SECURE (E) WALL INSULATION AS NEEDED. (E) EXTERIOR METAL SIDING PANELS TO REMAIN IN PLACE, U.N.O.
2. REMOVE (E) DOOR AND RE-INSTALL AFTER BUILDING IS SET IN NEW LOCATION.
3. SECURE SECTIONAL DOORS IN AN OPEN POSITION FOR BUILDING RELOCATION.
4. G.C. TO VERIFY WITH MOVING CONTRACTOR IF (E) SIGNAGE NEEDS TO BE REMOVED UNTIL BUILDING IS SET IN NEW LOCATION.
5. REMOVE AND RE-INSTALL (E) CANOPY, SEE STRUCT.
6. REMOVE AND SALVAGE 2-3 METAL SIDING PANELS AS DIRECTED BY MOVING CONTRACTOR. RE-INSTALL PANELS AFTER BUILDING IS SET IN NEW LOCATION.
7. REMOVE (E) DOWNSPOUTS AND RE-INSTALL AFTER BUILDING IS SET IN NEW LOCATION.
8. DISCONNECT (E) ELECTRICAL METER AND ALL OTHER UTILITIES PER CIVIL.

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DEMO ELEVATIONS

**D1.3**

PERMIT SUBMITTAL

## FLOOR FINISHES

| FINISH CODE | MATERIAL | LOCATION | MANUFACTURER | STYLE / COLOR | PRODUCT NOTES | INSTALLATION NOTES |
|---|---|---|---|---|---|---|
| SC | SEALED CONC. | INTERIOR | - | - | SEE SPEC | WITH SLIP RESISTANT TREATMENT |
| FT | FIELD TURF | BATTING AREA | FIELD TURF | SLIT-FILM / THATCH | - | INSTALL PER MFR. INSTRUCTIONS |

## WALL BASE FINISHES

| FINISH CODE | MATERIAL | LOCATION | MANUFACTURER | STYLE / COLOR | SIZE / THICKNESS | INSTALLATION NOTES |
|---|---|---|---|---|---|---|
| RB1 | RUBBER BASE | RESTROOMS | ROPPE | WHITE | 4" x 1/8" | PROVIDE PREFORMED INSIDE & OUTSIDE CORNERS |

## PAINT/WALL FINISHES

| FINISH CODE | MATERIAL | LOCATION | MANUFACTURER | STYLE / COLOR | FINISH | INSTALLATION NOTES |
|---|---|---|---|---|---|---|
| PT1 | PAINT | WALLS, U.N.O. | SHERWIN WILLIAMS | MATCH (E) WHITE | SEE FINISH NOTES | PAINT TO MATCH (E) WALL NOT DEMOLISHED FOR BUILDING RELOCATION |
| PT2 | PAINT | BATTING AREA PLYWOOD WAINSCOT | SHERWIN WILLIAMS | MATCH (E) RED | - | PAINT TO MATCH (E) COLOR SCHEME PRIOR TO BUILDING RELOCATION |
| PT3 | PAINT | BATTING AREA PLYWOOD WAINSCOT | SHERWIN WILLIAMS | MATCH (E) BLUE | - | PAINT TO MATCH (E) COLOR SCHEME PRIOR TO BUILDING RELOCATION |
| PT4 | PAIN | BATTING AREA PLYWOOD WAINSCOT | SHERWIN WILLIAMS | MATCH (E) WHITE | - | PAINT TO MATCH (E) COLOR SCHEME PRIOR TO BUILDING RELOCATION |
| PLY | PLYWOOD | BATTING AREA | - | PAINT TO MATCH COLOR SCHEME ON (E) POLE BUILDING POSTS | GRADE A PLYWOOD WITH 1/16" BEVELED EDGES | PLYWOOD TO EXTEND UP TO 8'-0" A.F.F. |
| FRP | FIBERGLASS REINFORCED PLASTIC | RESTROOMS | INPRO | DESIGNER WHITE | - | SEE PLAN FOR LOCATIONS AND HEIGHT FROM F.F. |

## MISCELLANEOUS FINISHES

| FINISH CODE | MATERIAL | LOCATION | MANUFACTURER | STYLE / FINISH | SIZE / THICKNESS | INSTALLATION NOTES |
|---|---|---|---|---|---|---|
| WBF | (E) WOOD BLEACHER FACING | SEE FLOOR PLAN | - | - | - | RE-INSTALL AFTER PATCHING WALL |
| GWP | GYM WALL PAD | SEE FLOOR PLAN | GOPHER SPORT | COLOR BY OWNER | 4' x 6' / 1 3/8" | O.F.C.I. - INSTALL PER MFR. INSTRUCTIONS |

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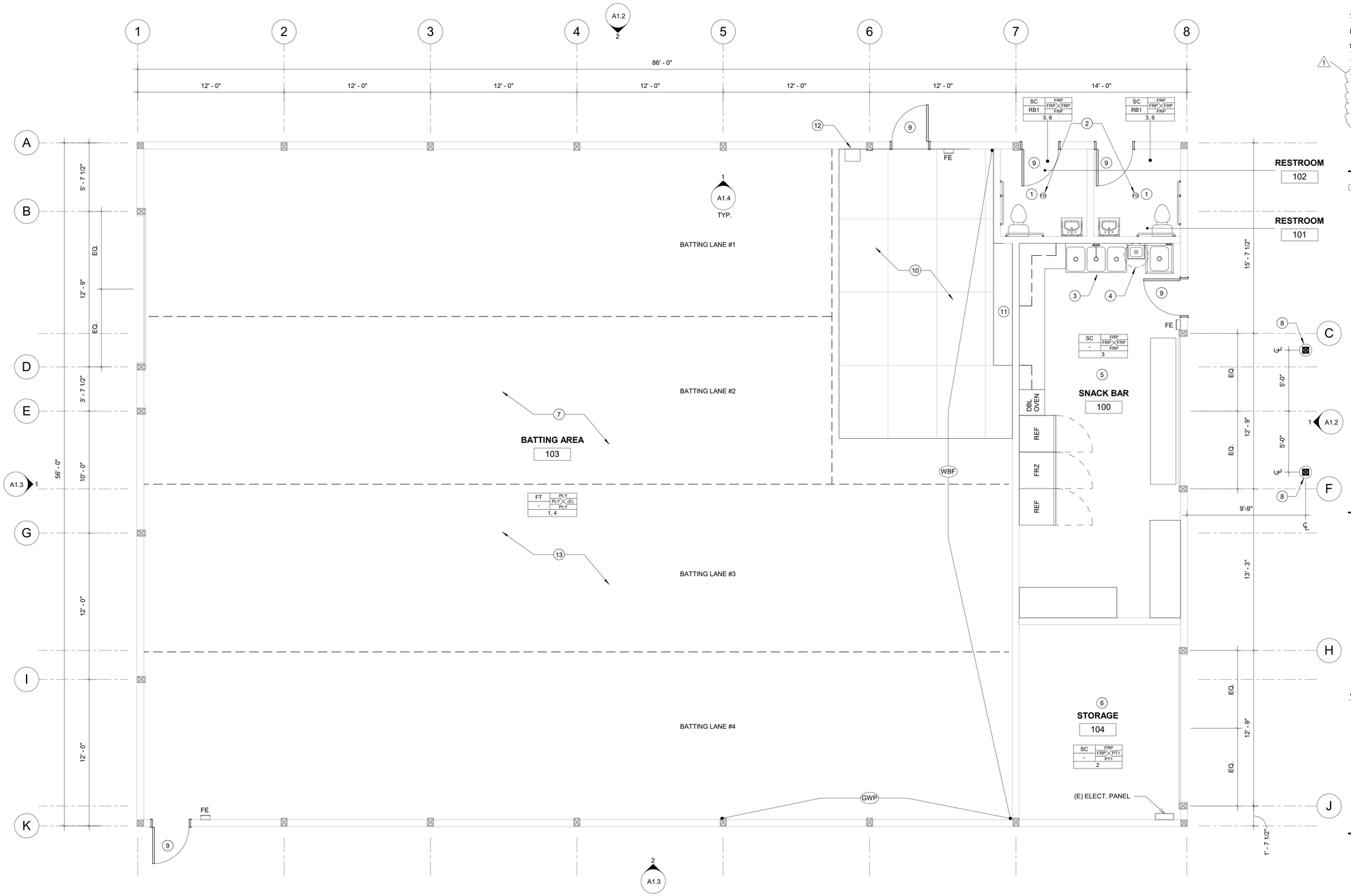
FINISH SCHEDULES

**A0.1**

PERMIT SUBMITTAL




1 A1.1 FLOOR PLAN
1/4" = 1'-0"

N

## # FLOOR PLAN KEYNOTES

1. RE-INSTALL (E) SALVAGED FIXTURES AND FURNISHINGS, SEE 3/A1.4 FOR ADA COMPLIANT MOUNTING HEIGHTS. INSTALL NEW FLOOR-TO-CEILING FRP PANELS WITH 4" RUBBER COVE BASE - WHITE.
2. NEW FLOOR DRAIN.
3. NEW FLOOR DRAIN UNDER 3-BAY SINK.
4. RE-INSTALL SALVAGED GREASE INTERCEPTOR UNDER SINK.
5. RE-INSTALL (E) SALVAGED EQUIPMENT, FIXTURES, CASEWORK, AND FURNISHINGS. INSTALL NEW FLOOR-TO-CEILING FRP PANELS WITH 4" RUBBER COVE BASE - WHITE.
6. RE-INSTALL (E) SALVAGED EQUIPMENT, FIXTURES, CASEWORK, AND FURNISHINGS. INSTALL NEW FRP PANELS UP TO 10'-0" A.F.F. WITH 4" RUBBER COVE BASE - WHITE, TYP. ON NORTH AND WEST WALLS.
7. RE-INSTALL (E) SALVAGED EQUIPMENT AND FURNISHINGS.
8. RE-INSTALL (E) CANOPY AND SUPPORT POST, SEE STRUCT.
9. RE-INSTALL (E) DOOR.
10. RE-INSTALL (E) SALVED RUBBER MATS.
11. RE-INSTALL (E) BENCH.
12. RE-INSTALL (E) EMERGENCY DEFIBRILLATOR.
13. PROVIDE AN INSTALL APPROXIMATELY 3,580 SF OF NEW FIELDTURF FIT TURF (SLIT-FILM / THATCH 0.75") GLUED TO TOP OF NEW CONCRETE FLOOR SLAB PER MANUFACTURERS RECOMMENDATION. PROVIDE SUBMITTAL TO ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.

## WALL LEGEND

(E) WALL/PARTITION

## GENERAL FINISH NOTES:

A. ALL PRODUCTS ARE TO BE INSTALLED PER MANUFACTURERS INSTRUCTIONS, USING MANUFACTURERS ADHESIVES, TOOLS AND METHODS.
B. REFER TO SPECIFICATIONS AND FINISH SCHEDULES FOR FURTHER FINISH MATERIAL PRODUCT INFORMATION.
C. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
D. ALL FLOOR TRANSITIONS ARE TO OCCUR DIRECTLY BENEATH DOOR U.N.O.
E. ALL FLOOR TRANSITIONS ARE TO BE ADA COMPLIANT.
F. PROVIDE APPROPRIATE TRANSITIONS STRIPS/REDUCERS AT ALL LOCATIONS BETWEEN DIFFERING MATERIALS U.N.O. ALL TRANSITIONS TO MEET ADA REQUIREMENTS.
G. ALL METAL ACCESS PANELS, COVER PLATES, VENTS AND GRILLES TO BE PAINTED TO MATCH THE SURFACE IT IS LOCATED ON, UNLESS PREFINISHED.
H. PAINT SHEEN - WALL: SATIN/EGG SHELL, CEILING: FLAT/MATTE, TRIM & DOOR FRAMES: SEMI-GLOSS

## ADDITIONAL NOTES:

1. PLYWOOD WAINSCOT TO 8'-0" A.F.F. ON NORTH, WEST AND SOUTH WALLS. PAINT TO MATCH COLOR SCHEME ON (E) POLE BUILDING POSTS.
2. FRP PANELS UP TO 10'-0" A.F.F. ON NORTH AND WEST WALLS.
3. FRP PANELS FROM FLOOR-TO-CEILING.
4. RE-INSTALL SALVAGED BLEACHER FACING ACCENT ON EAST PARTITION WALL.
5. INSTALL 2 1/2" THICK GYM WALL PADS OVER PLYWOOD WAINSCOT BETWEEN GRIDS 5-7.
6. SLAB SHALL HAVE A FINE BROOM FINISH.

## FINISH LEGEND

XX# ME# / XX# EX# / Remarks — FLOOR FINISH, WALL FINISHES, ADDITIONAL NOTES, BASE FINISH
PT# — EXTENT OF ACCENT PAINT OR WALL FINISHES
X — FINISH TAG

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REGISTERED PROFESSIONAL ENGINEER — OREGON — JULY 7, 2017 — ZACHARY A. STOKES
EXPIRES: 06-30-24

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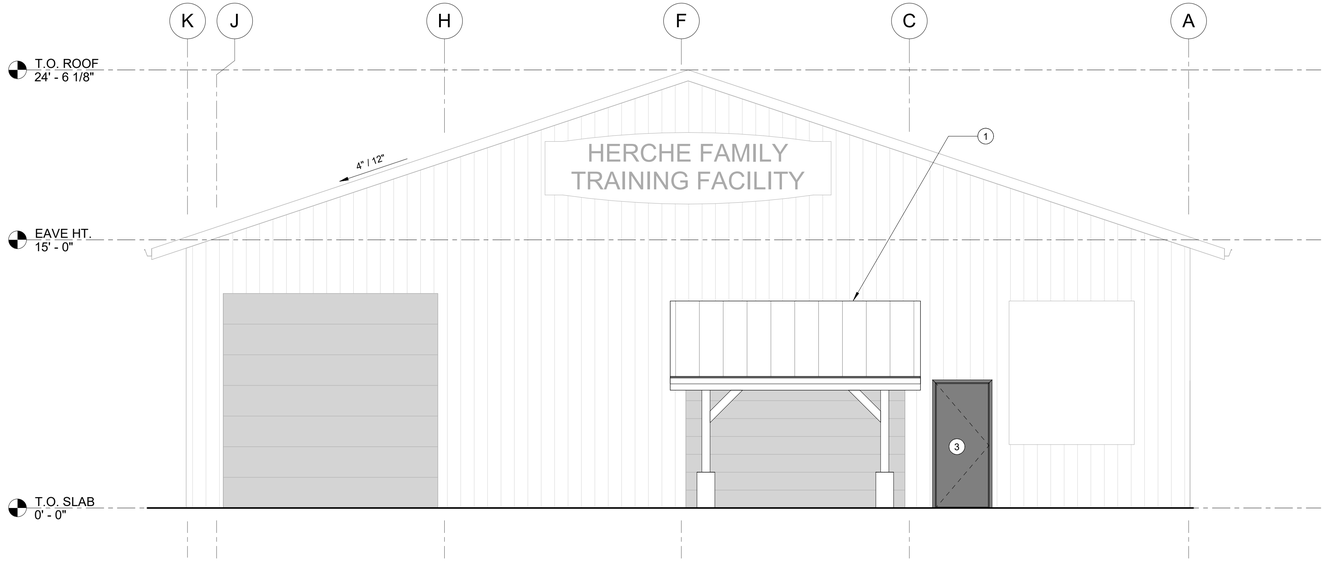
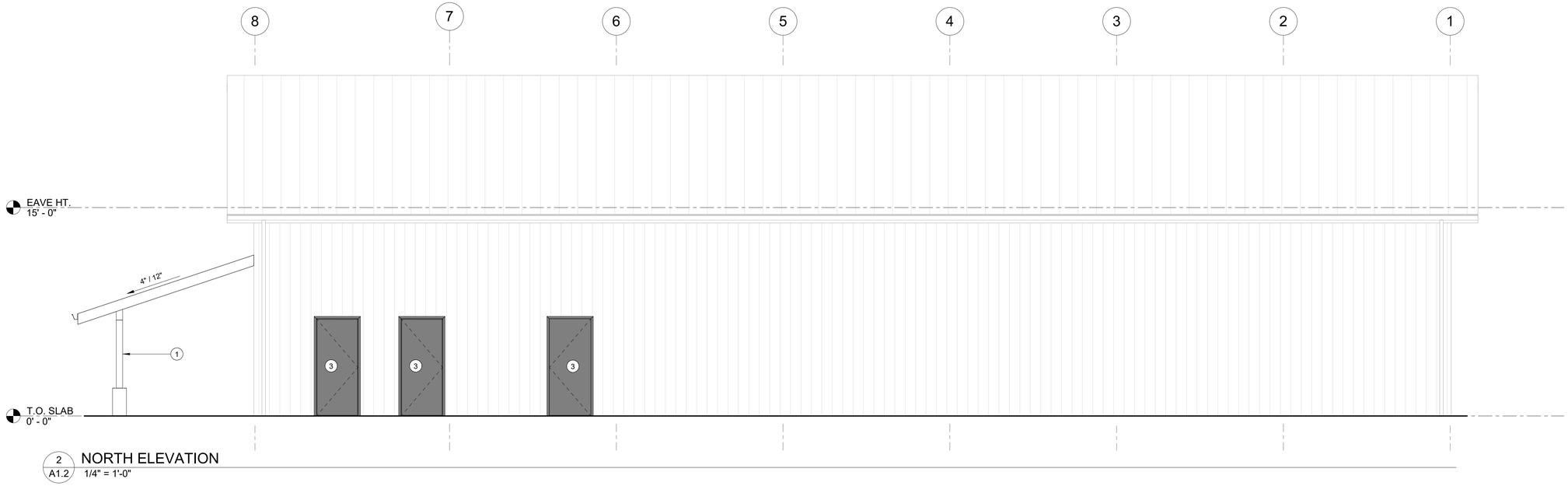
FLOOR PLAN

**A1.1**

PERMIT SUBMITTAL




1 A1.2 EAST ELEVATION
1/4" = 1'-0"




2 A1.2 NORTH ELEVATION
1/4" = 1'-0"

## ELEVATION LEGEND

(E) METAL PANEL

## # ELEVATION KEYNOTES

*NOT ALL KEYNOTES ARE USED ON THIS PLAN

1. RE-INSTALL (E) CANOPY, SEE STRUCT.
2. RE-INSTALL (E) METAL PANELS AFTER BUILDING IS SET IN NEW LOCATION.
3. RE-INSTALL (E) DOOR AFTER BUILDING IS SET IN NEW LOCATION.

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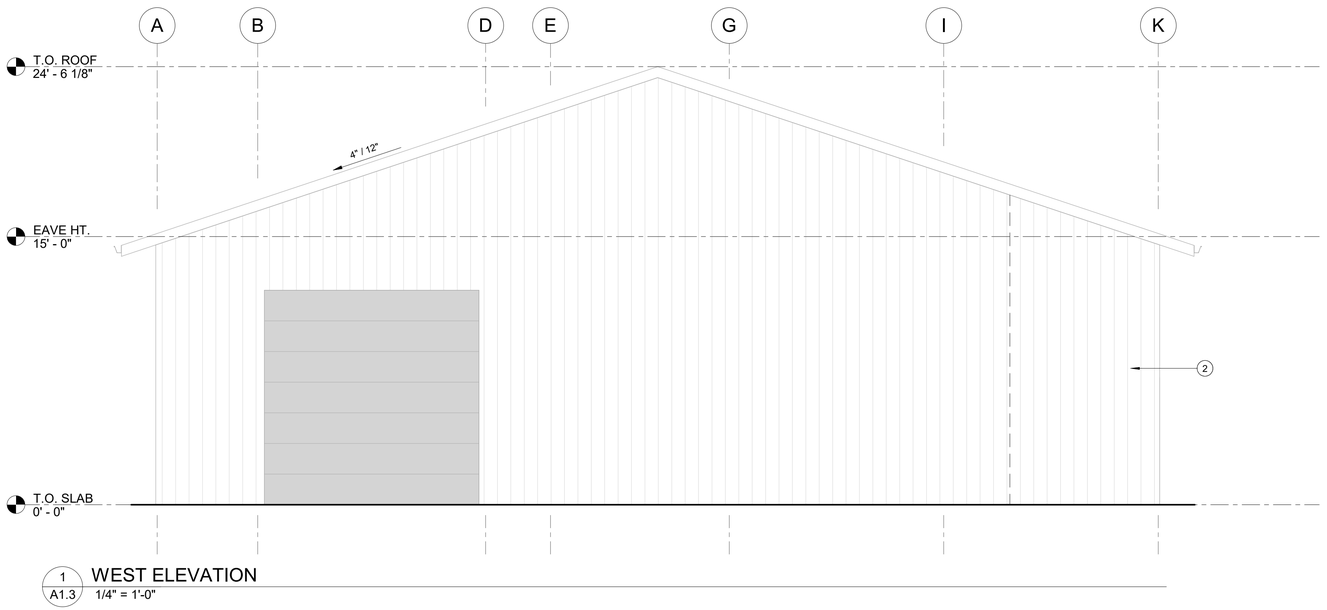
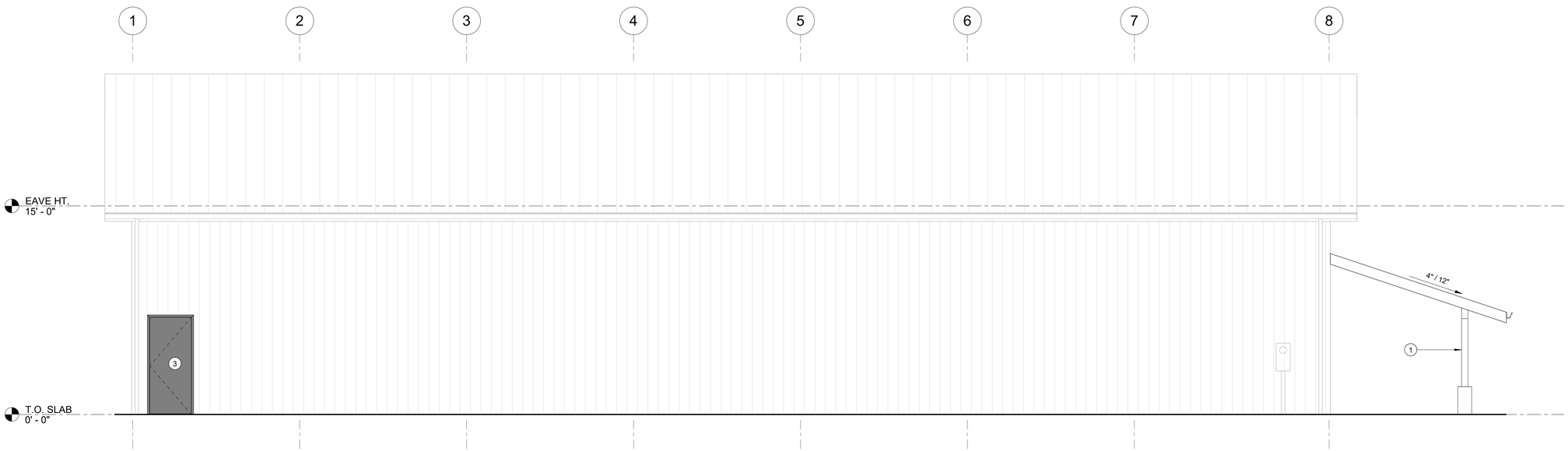
EXTERIOR ELEVATIONS

**A1.2**

PERMIT SUBMITTAL




1 A1.3 WEST ELEVATION
1/4" = 1'-0"




2 A1.3 SOUTH ELEVATION
1/4" = 1'-0"

## ELEVATION LEGEND

(E) METAL PANEL

## # ELEVATION KEYNOTES

*NOT ALL KEYNOTES ARE USED ON THIS PLAN

1. RE-INSTALL (E) CANOPY, SEE STRUCT.
2. RE-INSTALL (E) METAL PANELS AFTER BUILDING IS SET IN NEW LOCATION.
3. RE-INSTALL (E) DOOR AFTER BUILDING IS SET IN NEW LOCATION.

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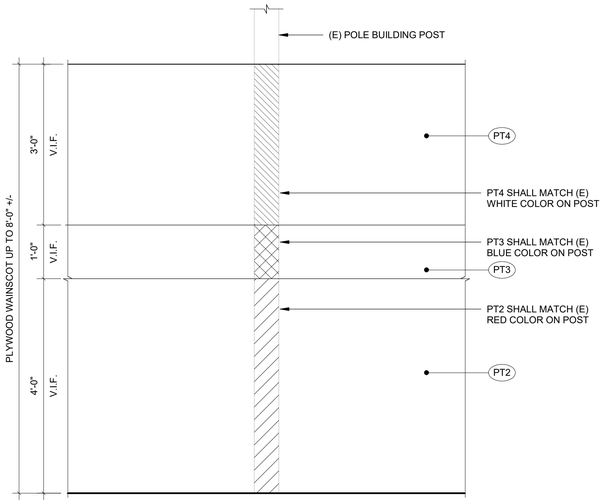
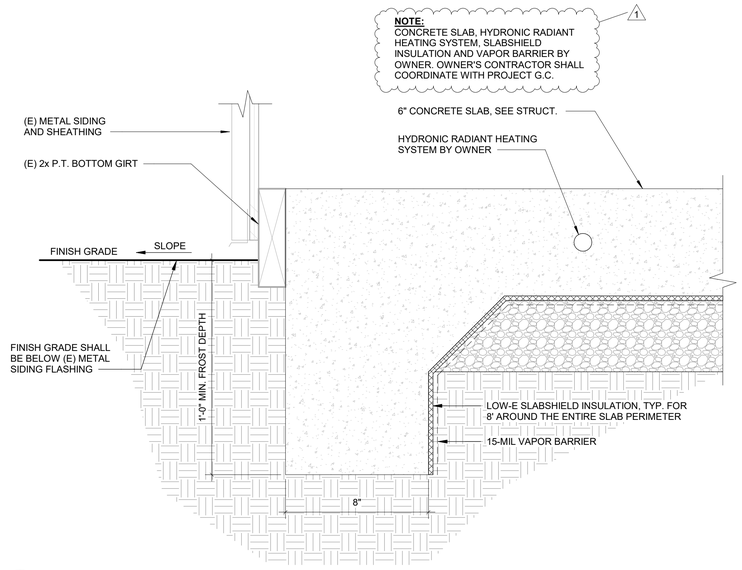
EXTERIOR ELEVATIONS

**A1.3**

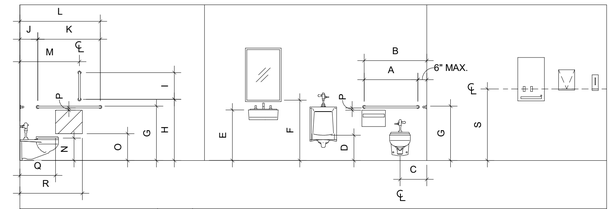
PERMIT SUBMITTAL




1 A1.4 PLYWOOD WAINSCOT ELEVATION
3/4" = 1'-0"

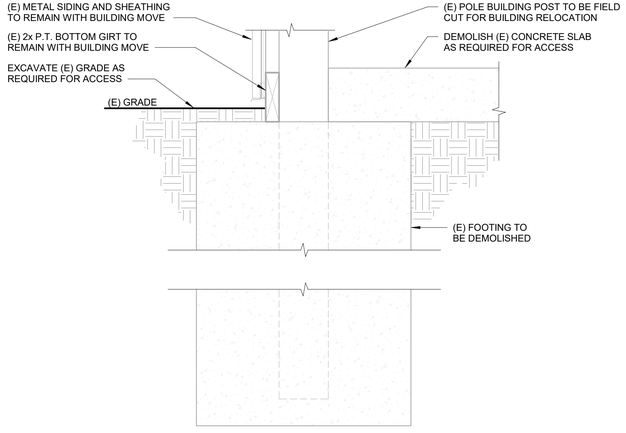



2 A1.4 FOUNDATION INSULATION
3" = 1'-0"




| FIXTURES | DIM# | MOUNTING HEIGHT |
|---|---|---|
| REAR WALL GRAB BAR | A | 36" MIN IN LENGTH |
| REAR WALL GRAB BAR | B | EXTEND 42" MIN FROM THE SIDE WALL |
| TOILET | C | 16" MIN - 18" MAX TO CENTER FROM SIDE WALL |
| URINAL (ADA) | D | 17" TO RIM A.F.F |
| URINAL | D | 24" TO RIM A.F.F. |
| SINK (ADA) | E | 34" MAX TO THE HIGHER OF THE RIM OR COUNTER SURFACE |
| MIRROR | F | 40" MAX TO BOTTOM EDGE OF REFLECTING SURFACE |
| HORIZONTAL GRAB BAR | G | 33" MIN - 36" MAX HEIGHT A.F.F. TO T.O. GRIPPING SURFACE |
| VERTICAL GRAB BAR | H | 39" MIN - 41" MAX HEIGHT A.F.F. |
| VERTICAL GRAB BAR | I | 18" MIN IN LENGTH |
| SIDE WALL GRAB BAR | J | 12" MAX FROM REAR WALL |
| SIDE WALL GRAB BAR | K | 42" MIN IN LENGTH |
| SIDE WALL GRAB BAR | L | EXTEND 54" MIN FROM REAR WALL |
| VERTICAL GRAB BAR | M | 39" MIN - 41" MAX FROM THE REAR WALL TO CENTERLINE OF BAR |
| TOILET | N | 17" MIN - 19" MAX TO T.O. SEAT A.F.F. |
| TOILET PAPER DISPENSER | O | 18" MIN. TO OUTLET OF DISPENSOR A.F.F. |
| TOILET PAPER AND SEAT COVER DISPENSER | P | 1 1/2" MIN. FROM B.O. GRAB BAR |
| TOILET PAPER DISPENSER | Q | 24" MIN - 36" MAX FROM WALL TO OUTLET OF DISPENSOR |
| TOILET PAPER DISPENSER | R | 42" MAX FROM WALL TO OUTLET OF DISPENSOR |
| ACCESSORY DISPENSERS | S | 48" MAX A.F.F. TO HIGHEST OPERABLE PARTS OR 44" MAX A.F.F. IF OVER AN OBSTRUCTION W/ A DEPTH OF >20" |

3 A1.4 ADA MOUNTING HEIGHTS
1/4" = 1'-0"




4 A1.4 FLOOR DEMO DETAIL
1 1/2" = 1'-0"

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INTERIOR DETAILS

**A1.4**

PERMIT SUBMITTAL

ONE INCH EQUALS FULL SCALE 8/30/2023 2:09:30 PM BIM 360://P2821.Seaside Softball 21/P2821 Seaside SD Herche Building.rvt

# GENERAL STRUCTURAL NOTES:

GOVERNING CODE:

THE REPAIR DESIGN AND CONSTRUCTION OF THIS PROJECT IS GOVERNED BY THE 2021 INTERNATIONAL BUILDING CODE (IBC) WITH OREGON AMENDMENTS (2022 OSSC).

THE STRUCTURAL DRAWINGS ARE INTENDED TO SHOW THE GENERAL CHARACTER AND EXTENT OF THE PROJECT ARE NOT INTENDED TO SHOW ALL DETAILS OF THE WORK. USE DETAILS MARKED "TYPICAL" WHEREVER THEY APPLY.

THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING DETAILS AND ACCURACY OF THE WORK; FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; FOR SELECTING FABRICATION PROCESSES; FOR TECHNIQUES OF ASSEMBLY; AND FOR PERFORMING WORK IN A SAFE AND SECURE MANNER.

THE CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION AND ALL JOB RELATED SAFETY STANDARDS SUCH AS OSHA.

THE CONTRACTOR IS RESPONSIBLE FOR THE STRENGTH AND STABILITY OF THE STRUCTURE DURING CONSTRUCTION AND SHALL PROVIDE TEMPORARY SHORING, BRACING AND OTHER ELEMENTS REQUIRED TO MAINTAIN STABILITY UNTIL THE STRUCTURE IS COMPLETE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BE FAMILIAR WITH WORK REQUIRED IN THE CONSTRUCTION DOCUMENTS AND REQUIREMENTS FOR EXECUTING IT PROPERLY. THE STRUCTURE SHOWN ON THE PLANS HAS BEEN DESIGNED FOR STABILITY UNDER THE FINAL CONFIGURATION ONLY.

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE SITE. CONFLICTS BETWEEN THE DRAWINGS AND THE ACTUAL SITE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE WORK.

CONTRACTOR TO ENSURE STABILITY OF THE BUILDING DURING MOVEMENT AND PLACEMENT. CONTRACTOR TO ENSURE ALL STRUCTURE TO ALIGN (SUCH AS NEW FOOTINGS AND EXISTING COLUMNS) BEFORE MOVEMENT. CONTRACTOR TO CONTACT ARCHITECT OF ANY DISCREPANCIES BEFORE BEGINNING WORK.

THE PURPOSE OF THIS DRAWING IS TO REPLACE THE STRUCTURE IN KIND TO MATCH THE ORIGINAL CONDITIONS.

FRAMING IS SUBJECT TO INSPECTION BY THE BUILDING OFFICIAL IN ACCORDANCE WITH IBC 110.3. CONTRACTOR SHALL COORDINATE ALL REQUIRED INSPECTIONS WITH THE BUILDING OFFICIAL.

SPECIAL INSPECTIONS

SPECIAL INSPECTIONS SHALL BE PERFORMED IN ACCORDANCE WITH IBC SECTIONS 1704 TO 1708. REFERENCE SPECIAL INSPECTION TABLE ON THIS SHEET FOR DETAILS. SPECIAL INSPECTORS SHALL BE EMPLOYED BY THE OWNER TO PROVIDE SPECIAL INSPECTIONS FOR THE PROJECT.

SUBMITTALS: SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO FABRICATION AND CONSTRUCTION REGARDING ALL STRUCTURAL ITEMS,
INCLUDING THE FOLLOWING:

CONCRETE MIX DESIGNS, CONCRETE REINFORCEMENT, EMBEDDED STEEL ITEMS, AND STRUCTURAL STEEL
IF THE SHOP DRAWINGS DIFFER FROM, OR ADD TO THE DESIGN OF THE STRUCTURAL DRAWINGS, THEY SHALL BEAR THE SEAL AND SIGNATURE OF A STRUCTURAL ENGINEER REGISTERED IN THE STATE OF OREGON. ANY CHANGES TO THE STRUCTURAL DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT AND ARE SUBJECT TO REVIEW AND ACCEPTANCE OF THE ENGINEER.

FIELD ENGINEERED DETAILS DEVELOPED BY THE CONTRACTOR THAT DIFFER FROM, OR ADD TO THE STRUCTURAL DRAWINGS SHALL BEAR THE SEAL AND SIGNATURE OF A STRUCTURAL ENGINEER REGISTERED IN THE STATE OF OREGON AND SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO CONSTRUCTION.

CAST-IN-PLACE CONCRETE
CONCRETE WORK SHALL CONFORM TO ACI 301 ''SPECIFICATIONS FOR STRUCTURAL CONCRETE''.

CONTRACTOR TO SUBMIT ALL MIX DESIGNS REQUIRED BY ACI 301 SECTIONS 4.2.1.
CONTRACTOR TO VERIFY CONCRETE STRENGTHS BY STANDARD 28-DAY CYLINDER TESTS PER ASTM C39.
CONTRACTOR TO USE THE FOLLOWING MIX DESIGN REQUIREMENTS

FOOTINGS AND FLOOR SLABS
F'C = 4000 PSI, 28 DAY STRENGTH
1 INCH MAXIMUM AGGREGATE
0.48 MAXIMUM WATER/CEMENT RATIO

FLY ASH CONFORMING TO ASTM C845 MAY BE USED TO REPLACE UP TO 20% OF THE CEMENT CONTENT, PROVIDED THAT THE MIX STRENGTH IS SUBSTANTIATED BY TEST DATA.

THE CONTRACTOR SHALL SUBMIT CONCRETE MIX DESIGNS AS OUTLINED ABOVE, ALONG WITH TEST DATA AS REQUIRED, A MINIMUM OF TWO WEEKS PRIOR TO PLACING CONCRETE.

SLEEVES, OPENINGS, CONDUIT, AND OTHER EMBEDDED ITEMS NOT SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE APPROVED BY THE ARCHITECT BEFORE POURING. CONDUITS EMBEDDED IN SLABS SHALL NOT BE LARGER IN OUTSIDE DIMENSION THAN ONE THIRD OF THE THICKNESS OF THE SLAB AND SHALL NOT BE SPACED CLOSER THAN THREE DIAMETERS ON CENTER. PROVIDE 3/4" CHAMFERS ON ALL EXPOSED CONCRETE EDGES UNLESS NOTED OTHERWISE.

CONCRETE REINFORCING
CONCRETE REINFORCING SHALL CONFORM TO ACI 301 ''STANDARD SPECIFICATIONS FOR STRUCTURAL CONCRETE''.

CONTRACTOR SHALL SUBMIT PLACING DRAWINGS SHOW FABRICATION DIMENSIONS AND LOCATIONS FOR PLACEMENT OF REINFORCEMENT AND REINFORCEMENT SUPPORTS.

MATERIALS
REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60, DEFORMED BARS AND ASTM A185 FOR SMOOTH WELDED WIRE FABRIC (WWF), UNLESS OTHERWISE NOTED. REINFORCING STEEL TO BE WELDED SHALL CONFORM TO ASTM A706. COLUMN SPIRALS SHALL BE PLAIN OR DEFORMED BARS CONFORMING TO ASTM A615, GRADE 60. REINFORCING STEEL SHALL BE SECURELY TIED IN PLACE WITH #16 ANNEALED IRON WIRE.

BARS IN SLABS SHALL BE SUPPORTED ON WELL-CURED CONCRETE BLOCKS OR APPROVED METAL CHAIRS, AS SPECIFIED BY THE CRSI MANUAL OF STANDARD PRACTICE, MSP-1. REINFORCING STEEL SHALL BE DETAILED IN ACCORDANCE WITH THE "ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES," ACI 315.
WELDING OF REINFORCING STEEL IS NOT PERMITTED UNLESS NOTED OTHERWISE.
UNLESS OTHERWISE NOTED ON PLANS, CONCRETE COVER SHALL BE:

| USE | COVER |
|---|---|
| SLAB BARS | 1" TOP COVER |
| WALL BARS: | |
| INTERIOR FACES | 3/4" |
| EXPOSED TO EARTH OR WEATHER | 1-1/2" (#5 AND SMALLER)<br>2" (#6 AND LARGER) |
| FOOTING BARS | 3" BOTTOM COVER |
| ALL OTHER LOCATIONS | 1-1/2" |

SPLICES
SPLICES SHALL CONFORM TO ACI 301, SECTION 3.3.2.7 ''SPLICES''. LAP SPLICES SHALL CONFORM TO THE TABLE BELOW:

| REINFORCING SPLICE LENGTHS (CLASS B) GRADE 60 | | | | | f'c = 4.0 ksi | |
|---|---|---|---|---|---|---|
| BAR SIZE | #3 | #4 | #5 | #6 | #7 | #8 |
| UNCOATED | 2'-0" | 2'-6" | 3'-6" | 4'-0" | 5'-0" | 5'-6" |

CONCRETE ACCESSORIES:
PERMANENTLY EXPOSED EMBEDDED PLATES AND ANGLES SHALL BE HOT-DIPPED, GALVANIZED AFTER FABRICATION, UNLESS OTHERWISE NOTED. NO LOADS OR WELDS SHALL BE PLACED ON EMBEDDED PLATES OR ANGLES FOR A MINIMUM OF 7 DAYS AFTER PAINTING.

SPECIAL INSPECTION TABLE

| TABLE 1705.3 - CONCRETE | | | | |
|---|---|---|---|---|
| VERIFICATION AND INSPECTION | CONTINUOUS | PERIODIC | REFERENCE STANDARD | IBC REFERENCE |
| 1. INSPECTION OF REINFORCING STEEL AND PLACEMENT. | - | X | ACI 318: CH. 20, 25.2, 25.3, 16.6.1-26.6.3 | 1908.4 |
| 2. INSPECT ANCHORS CAST IN CONCRETE. | - | X | ACI 318: 17.8.2 | |
| 3. INSPECTION OF ANCHORS INSTALLED IN HARDENED CONCRETE: | | | | |
| A. ADHESIVE ANCHORS INSTALLED IN 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 3.A | - | X | ACI 318: 17.8.2 | |
| 4. VERIFYING USE OF REQUIRED DESIGN MIX. | - | X | ACI 318: CH. 19, 26.4.3, 26.4.4 | 1904.1, 1904.2, 1908.2, 1908.3 |
| 5. AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TERMPERATURE OF THE CONCRETE. | X | - | ASTM C172<br>ASTM C31<br>ACI 318: 26.5, 26.12 | 1908.10 |
| 6. INSPECTION OF CONCRETE FOR PROPER APPLICATION TECHNIQUES. | X | - | ACI 318: 26.5 | 1908.6, 1908.7, 1908.8 |
| 7. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES. | - | X | ACI 318: 26.5.3-26.5.5 | 1908.9 |
| 8. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE MEMBER BEING FORMED. | - | X | ACI 318: 26.11.1.2(B) | |

| TABLE 1705.2 - STEEL | | | |
|---|---|---|---|
| VERIFICATION AND INSPECTION | CONTINUOUS | PERIODIC | REFERENCE STANDARD |
| 1. MATERIAL VERIFICATION OF STRUCTURAL STEEL: | | | |
| A. FOR STRUCTURAL STEEL, IDENTIFICATION MARKINGS TO CONFORM TO AISC 360. | - | X | AISC 360, SECTION N2.1 |
| B. VERIFY ALL MEMBER AND PLATE SIZES. | X | - | |
| C. MANUFACTURER'S CERTIFIED TEST REPORTS. | - | X | |
| 2. MATERIAL VERIFICATION OF WELD FILLER MATERIALS: | | | |
| A. IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS. | - | X | AISC 360, SECTION A3.5 AND APPLICABLE AWS A5 DOCUMENTS |
| B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED. | - | X | |
| 3. INSPECTION OF WELDING: | | | |
| A. STRUCTURAL STEEL: | | | |
| 1) PARTIAL JOINT PENETRATION GROOVE WELDS. | X | - | AWS D1.1 |
| 2) MULTIPASS FILLET WELDS. | X | - | |
| 3) SINGLE-PASS FILLET WELDS> 5/16" | X | - | |
| 4) SINGLE-PASS FILLET WELDS < 5/ 16" | - | X | |
| 5) COMPLETE JOINT PENETRATION (CJP) WELDS. | X | - | AWS D1.8 (USE UT INSPECTION) |

| TABLE 1705.6 - SOILS | | |
|---|---|---|
| VERIFICATION AND INSPECTION | CONTINUOUS | PERIODIC |
| 1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY. | - | X |
| 2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL. | - | X |
| 3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS. | - | X |
| 4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL. | X | - |
| 5. PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PERPARED PROPERLY. | - | X |

STRUCTURAL STEEL

STRUCTURAL STEEL IS DESIGNED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) SPECIFICATIONS. CONSTRUCTION SHALL CONFORM TO CHAPTER 22 OF THE IBC.

SUBMITTALS:
1) SHOP DRAWINGS SHALL BE PREPARED IN ACCORDANCE WITH AISC 360 AND AISC 303
2) SUBMIT WELDER'S CERTIFICATES VERIFYING QUALIFICAITON WITHIN PAST 12 MONTHS
3) AFFIDAVIT STATING THE STEEL PROVIDED MEETS THE REQUIREMENTS OF THE GRADE(S) SPECIFIED
4) WELD PROCEDURE SPECIFICATIONS

MATERIALS:

STRUCTURAL STEEL SHALL BE THE TYPES AND STRENGTHS LISTED BELOW:

| | |
|---|---|
| STRUCTURAL BARS AND PLATES (PL) | ASTM A36, FY=36KSI |
| WELDING ELECTRODES | E70XX, E71TXX UNLESS OTHERWISE NOTED. WELDS SHALL BE A MINIMUM OF 3/16" IN SIZE UNLESS NOTED OTHERWISE |

WELDING SHALL CONFORM TO AWS D1.1 AND VISUALLY CONFORM TO AWS SECTION 6 AND TABLE 6.1. WELDERS SHALL BE QUALIFIED FOR THE SPECIFIC PREQUALIFIED JOINTS REQUIRED BY THE DESIGN AND CERTIFIED IN ACCORDANCE WITH WABO REQUIREMENTS. WELDING SHALL BE DONE IN ACCORDANCE WITH APPROPRIATE WELD PROCEDURE SPECIFICATIONS (WPSS); WELDERS SHALL BE FAMILIAR WITH THE APPLICABLE WSPSS. WELDING SHALL BE DONE WITH AWS PREQUALIFIED WELDING PROCESSES UNLESS OTHERWISE APPROVED. WELDER QUALIFICATIONS AND WPSS SHALL BE MAINTAINED AT THE SITE OF THE WORK AND SHALL BE READILY AVAILABLE FOR INSPECTION UPON REQUEST, BOTH IN THE SHOP AND IN THE FIELD.

ABBREVIATIONS

| | |
|---|---|
| @ | AT (SPACING) |
| Ш | DIAMETER |
| CLR | CLEAR |
| CJP | COMPLETE JOINT PENETRATION |
| (E) | EXISTING |
| f'c | 28-DAY COMPRESSIVE STRENGTH |
| MAX | MAXIMUM |
| MIN | MINIMUM |
| o.c. | ON-CENTER (SPACING) |
| PL | PLATE |
| P.P. | PARTIAL PENETRATION |
| psi | POUNDS PER SQUARE INCH |
| REF/REFER | REFERENCE |
| TYP | TYPICAL |
| V.I.F. | VERIFY IN FIELD |

ONE INCH EQUALS FULL SCALE

ZCS ENGINEERING ARCHITECTURE
524 Main Street, Suite 2, Oregon City, Oregon 97045 | 503-659-2205

SEASIDE SCHOOL DISTRICT
1400 BROADWAY ST
SEASIDE, OR 97138

**BROADWAY FIELD - HERCHE FACILITY RELOCATION**

Otak, Inc.
805 Broadway St,
Suite 130
Vancouver, WA 98660
360. 737. 9613
www.otak.com

STRUCTURAL
REGISTERED PROFESSIONAL ENGINEER
79,377PE
Sean Clark
Sean Clark 2023.05.19 17:28:11-07'00'
OREGON
SEP 13, 2011
SEAN M. CLARK
RENEWS: 12-31-2023

| △ REVISION ID: | DATE: |
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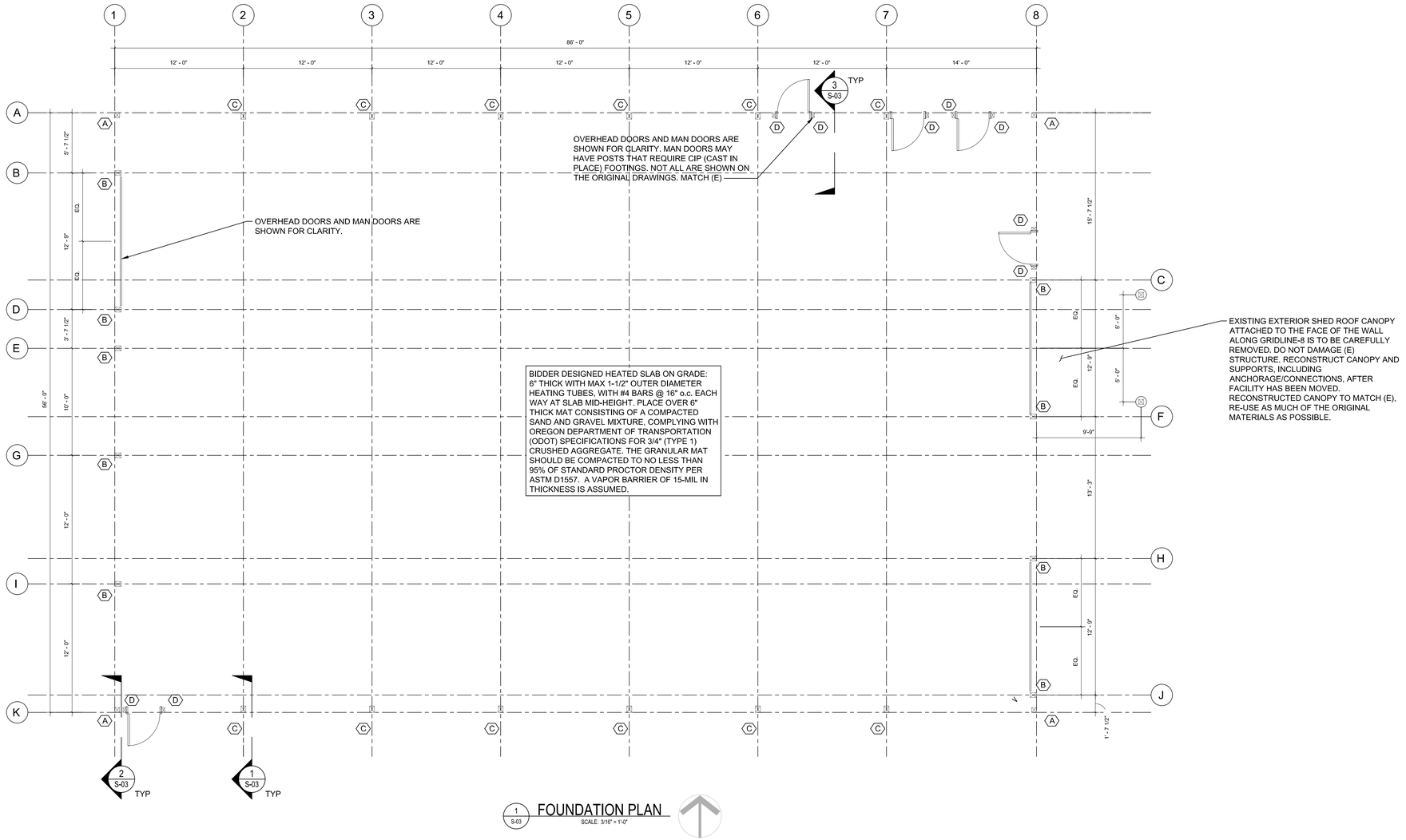
| PROJECT NO: | 21139 |
| DRAWN: | JT |
| CHECKED: | SMC |
| DATE: | 05-19-2023 |

GENERAL STRUCTURAL NOTES & SPECIAL INSPECTION TABLE

**S-01**

PERMIT SUBMITTAL




1 S-03 FOUNDATION PLAN
SCALE: 3/16" = 1'-0"

SHEET NOTES:

1) POUR NEW FOOTINGS AT NEW FACILITY LOCATION. FOOTINGS TO BE OF THE SAME SIZE AND LOCATION AS EXISTING. DIMENSIONS AND GRIDLINES ON THIS SHEET ARE FROM ORIGINAL DRAWINGS - ACTUAL POST LOCATIONS MAY VARY, CONTRACTOR TO FIELD VERIFY. NEW FOOTINGS SHALL BE CENTERED UNDER POSTS. REFERENCE SHEET S-03 FOR STRUCTURAL DETAILS.

2) (E) POST AND FOOTING SCHEDULE:

| MARK | POST SIZE | FOOTING SIZE | |
|---|---|---|---|
| | | DIAMETER | DEPTH |
| A | 6x6 | 24"Ш | 4'-6" |
| B | 6x8 | 24"Ш | 4'-6" |
| C | 6x8 | 36"Ш | 4'-6" |
| D | 4x6 | 18"Ш | 1'-6" |

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805 Broadway St,
Suite 130
Vancouver, WA 98660
360. 737. 9613
www.otak.com

STRUCTURAL REGISTERED PROFESSIONAL ENGINEER
79,377PE
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OREGON
SEP 13, 2011
SEAN M. CLARK
RENEWS: 12-31-2023

| REVISION ID: | DATE: |
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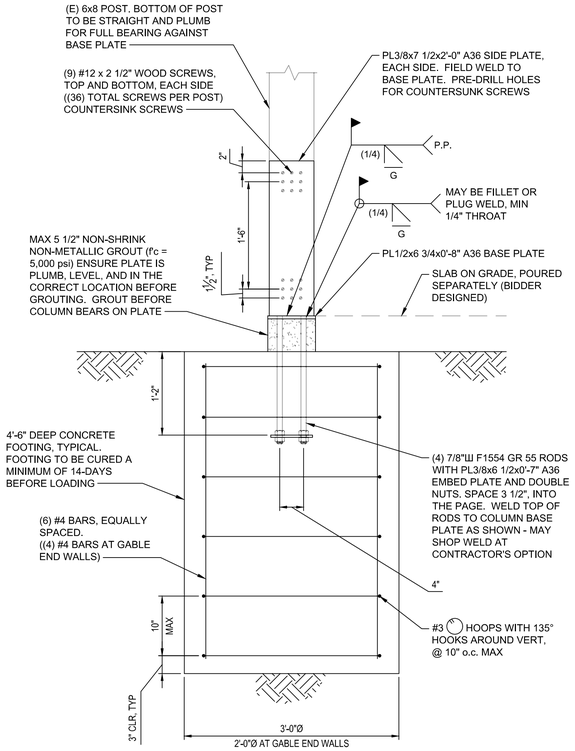
| PROJECT NO: | 21139 |
| DRAWN: | JT |
| CHECKED: | SMC |
| DATE: | 05-19-2023 |

FOUNDATION PLAN

**S-02**

PERMIT SUBMITTAL

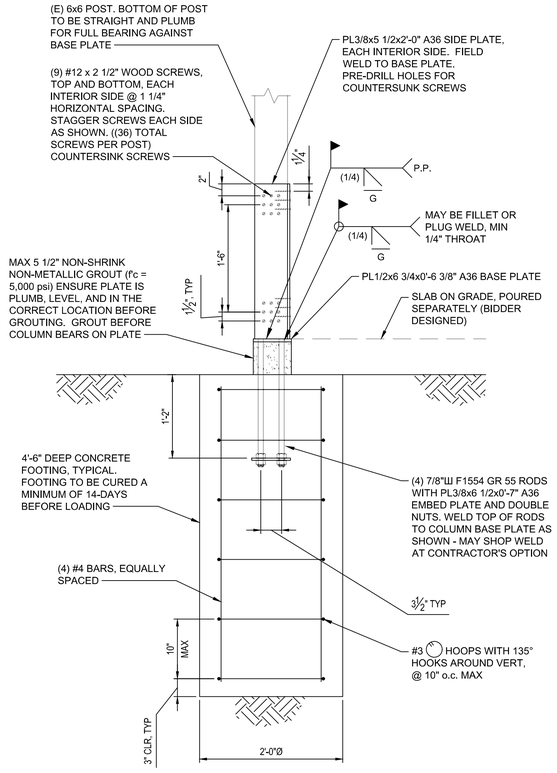



NOTES:

1. ONCE BUILDING IS IN PLACE, ATTACH WOOD GIRTS TO COLUMN WITH ATTACHMENTS TO MATCH (E), REPLACE GIRTS/FRAMING IF DAMAGED WITH LIKE KIND. IF ATTACHING TO SIDE PLATE, USE 0.145"Ø L.V.F.'s (SHOTPINS, BY HILTI OR APPROVED EQUAL) IN LIEU OF NAILS/SCREWS. ATTACHMENTS SHOWN AS SIMPSON LUS HANGERS, SIDEWAYS, ON ORIGINAL DRAWINGS.
2. ONCE GIRTS ARE IN PLACE, ATTACH SIDING TO GIRTS WITH ATTACHMENTS TO MATCH (E), REPLACE SIDING IF DAMAGED WITH LIKE KIND. ATTACHMENTS SHOWN AS #10x1" SCREWS WITH NEOPRENE WASHERS @ 9" o.c., ON ORIGINAL DRAWINGS.
3. ALL DIMENSIONS, MEMBER, CONNECTIONS, AND COATINGS TO MATCH EXISTING.

1 S-03 ELEVATION VIEW - 6x8 COLUMN SPLICE

SCALE: 1" = 1'-0"

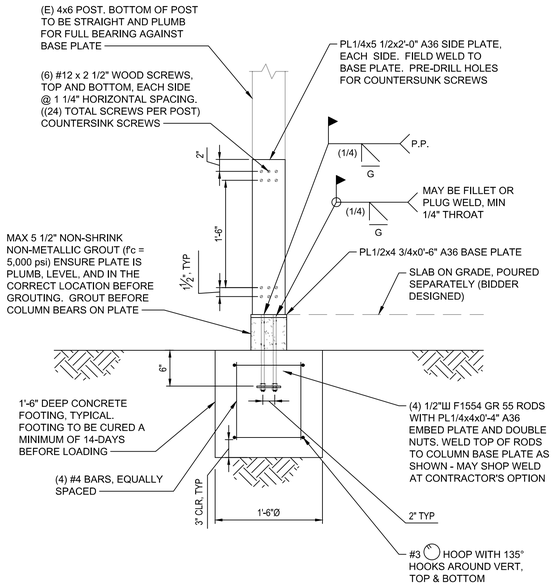



NOTES:

1. ONCE BUILDING IS IN PLACE, ATTACH WOOD GIRTS TO COLUMN WITH ATTACHMENTS TO MATCH (E), REPLACE GIRTS/FRAMING IF DAMAGED WITH LIKE KIND. IF ATTACHING TO SIDE PLATE, USE 0.145"Ø L.V.F.'s (SHOTPINS, BY HILTI OR APPROVED EQUAL) IN LIEU OF NAILS/SCREWS. ATTACHMENTS SHOWN AS SIMPSON LUS HANGERS, SIDEWAYS, ON ORIGINAL DRAWINGS.
2. ONCE GIRTS ARE IN PLACE, ATTACH SIDING TO GIRTS WITH ATTACHMENTS TO MATCH (E), REPLACE SIDING IF DAMAGED WITH LIKE KIND. ATTACHMENTS SHOWN AS #10x1" SCREWS WITH NEOPRENE WASHERS @ 9" o.c., ON ORIGINAL DRAWINGS.
3. ALL DIMENSIONS, MEMBER, CONNECTIONS, AND COATINGS TO MATCH EXISTING.

2 S-03 ELEVATION VIEW - 6x6 COLUMN SPLICE

SCALE: 1" = 1'-0"




NOTES:

1. ONCE BUILDING IS IN PLACE, ATTACH WOOD GIRTS TO COLUMN WITH ATTACHMENTS TO MATCH (E), REPLACE GIRTS/FRAMING IF DAMAGED WITH LIKE KIND. IF ATTACHING TO SIDE PLATE, USE 0.145"Ø L.V.F.'s (SHOTPINS, BY HILTI OR APPROVED EQUAL) IN LIEU OF NAILS/SCREWS. ATTACHMENTS SHOWN AS SIMPSON LUS HANGERS, SIDEWAYS, ON ORIGINAL DRAWINGS.
2. ONCE GIRTS ARE IN PLACE, ATTACH SIDING TO GIRTS WITH ATTACHMENTS TO MATCH (E), REPLACE SIDING IF DAMAGED WITH LIKE KIND. ATTACHMENTS SHOWN AS #10x1" SCREWS WITH NEOPRENE WASHERS @ 9" o.c., ON ORIGINAL DRAWINGS.
3. ALL DIMENSIONS, MEMBER, CONNECTIONS, AND COATINGS TO MATCH EXISTING.

3 S-03 ELEVATION VIEW - 4x6 COLUMN SPLICE

SCALE: 1" = 1'-0"

ONE INCH EQUALS FULL SCALE

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SEASIDE, OR 97138

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SEASIDE SCHOOL DISTRICT

CITY OF SEASIDE

STRUCTURAL REGISTERED PROFESSIONAL ENGINEER
79,377PE
Sean Clark
Sean Clark 2023.05.18 17:29:15-07'00'
OREGON
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SEAN M. CLARK
RENEWS: 12-31-2023

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| CHECKED: | SMC |
| DATE: | 05-19-2023 |

COLUMN SPLICE DETAILS

**S-03**

PERMIT SUBMITTAL

## MECHANICAL - DEMOLITION NOTES:

1. MECHANICAL DEMOLITION DRAWINGS SHOWING EXISTING CONDITIONS HAVE BEEN PREPARED BASED ON NON-DESTRUCTIVE SITE OBSERVATIONS AND AS-BUILT DOCUMENTS PROVIDED BY THE OWNER. CONTRACTOR TO FIELD VERIFY EXISTING SYSTEMS PRIOR TO BEGINNING WORK. NOTIFY ARCHITECT/ENGINEER IF EXISTING CONDITIONS ARE MATERIALLY DIFFERENT THAN THOSE SHOWN ON THE DRAWINGS.

2. BE FAMILIAR WITH EXISTING MECHANICAL SYSTEMS THAT WILL BE AFFECTED BY THE DEMOLITION WORK. OBTAIN PERMISSION FROM THE OWNER'S REPRESENTATIVE TO SHUT OFF SERVICES OR SYSTEMS THAT AFFECT AREAS BEYOND THE LIMITES OF THE IMMEDIATE DEMOLITION AREA. INFORM THE OWNER'S REPRESENTATIVE OF THE REASON FOR AND DURATION OF THE SHUTDOWN. MINIMIZE IMPACT TO OTHER AREAS. PROCEED WITH THE SHUTDOWN AFTER PERMISSION FROM THE OWNER IS GRANTED.

3. REMOVE DUCTWORK, PIPING, HANGERS, GRILLES, REGISTERS, DIFFUSERS, ETC. THAT ARE INDICATED TO BE REMOVED. PERFORM WORK IN A TIMELY MANNER AND IN ACCORDANCE WITH THE GENERAL DEMOLITION SPECIFICATIONS. COORDINATE WITH THE OWNER AND OTHER CONTRACTORS.

4. UNLESS EQUIPMENT TO BE REMOVED IS NOTED AS OWNER'S SALVAGE, DISPOSE OF EQUIPMENT AND/OR MATERIALS TO BE REMOVED PROMPTLY.

5. REMOVE ALL ABONDONED PIPING AND DUCTWORK THAT IS EXPOSED OR ACCESSIBLE WITHOUT WALL OR CEILING DEMOLITION. REFER TO ARCHITECTURAL PLANS FOR CEILINGS TO BE REMOVED.

## MECHANICAL ABBREVIATIONS

| | | | |
|---|---|---|---|
| ABSORP | ABSORPTION | FCO | FLOOR CLEAN OUT |
| ACU | AIR CONDITIONING UNIT | FCU | FAN COIL UNIT |
| AD | ACCESS DOOR OR AREA DRAIN | FD | FLOOR DRAIN |
| AFF | ABOVE FINISHED FLOOR | FDC | FIRE DEPRARTMENT CONNECTION |
| AFG | ABOVE FINISHED GRADE | FLEX | FLEXIBLE |
| AHU | AIR HANDLING UNIT | FLR | FLOOR DRAIN |
| AV | AIR VENT | FPM | FEET PER MINUTE |
| BOP | BOTTOM OF PIPE | FPS | FEET PER SECOND |
| BOT | BOTTOM | FS | FLOOR SINK |
| BTU | BRITISH THERMAL UNIT | FSEC | FOOD SERVICE EQUIP. CONSULT. |
| BTUH | BUT PER HOUR | FT | FINTUBE |
| BV | BALL VALVE | FTG | FOOTING |
| CA | COMPRESSED AIR | GA | GAGE |
| CB | CATCH BASIN | GAL | GALLON |
| CENT | CENTRIFUGAL | GALV | GALVANAIZED |
| CFM | CUBIC FEET PER MINUTE | GC | GENERAL CONTRACTOR |
| CI | CAST IRON | GPH | GALLONS PER HOUR |
| CL | CENTER LINE | GPM | GALLONS PER MINUTE |
| CO | CLEAN OUT | GW | GREASE WASTE |
| CONC | CONCRETE | HB | HOSE BIBB |
| COND | CONDENSATE | HR | HOUR |
| CONTR | CONTRACTOR | HTG | HEATING |
| CP | CONDENSATE PUMP | IMB | ICE MAKER BOX |
| CP | CIRCULATION PUMP | ISP | INTERNAL STATIC PRESSURE |
| CU | COPPER | JR | JANITOR RECEPTOR |
| CUH | CABINET UNIT HEATER | L | LAVATORY |
| CWP | CIRCULATING WATER PUMP | LDBT | LEAVING DRY BULB TEMP. |
| DDC | DIRECT DIGITAL CONTROLS | LWBT | LEAVING WET BULB TEMP. |
| DN | DOWN | LWT | LEAVING WATER TEMPERATURE |
| DR | DRAIN | MB | MOP BASIN |
| DS | DOWNSPOUT | MBH | 1000 BTUH |
| DWV | DRAIN, WASTE & VENT | MC | MECHANICAL CONTRACTOR |
| EA | EXHAUST AIR | MECH | MECHANICAL |
| EAT | EXHAUST AIR TEMPERATURE | MH | MANHOLE |
| EC | ELECTRICAL CONTRACTOR | NTS | NOT TO SCALE |
| EDBT | ENTERING DRY BULB TEMP. | OA | OUTSIDE AIR |
| EEW | EMERGENCY EYE WASH | OD | OVERFLOW DRAIN |
| EF | EXHAUST FAN | PC | PLUMBING CONTRACTOR |
| EJ | EXPANSION JOINT | PRV | PRESSURE REDUCING VALVE |
| EQUIP | EQUIPMENT | PRV | POWER ROOF VENTILATOR |
| ESE | EMERGENCY SHOWER/EYEWASH | PSI | POUNDS PER SQUARE INCH |
| EST | EXTERNAL STATIC PRESSURE | PV | PRESSURE VENT |
| EWBT | ENTERING WET BULB TEMP. | PVC | POLYVINYL CHLORIDE |
| EWC | ELECTRIC WATER COOLER | RA | RETURN AIR |
| EWT | ENTERING WATER TEMPERATURE | RD | ROOF DRAIN |
| EX | EXISTING | RH | RELATIVE HUMIDITY |
| EXH | EXHAUST | RTU | ROOF TOP UNIT |
| EXP | EXPANSION | RV | RELIEF VALVE |
| FAI | FRESH AIR INTAKE | RVT | ROOF VENT TERMINATION |

## MECHANICAL - GENERAL NOTES:

1. COORDINATE MECHANICAL WORK WITH ALL OTHER TRADES. BEGIN INSTALLATION AND ROUGH-IN AFTER COORDINATION WITH ALL TRADES ASSOCIATED WITH PROJECT SCOPE. COORDINATE MECHANICAL SYSTEMS INSTALLATION WITH BUILDING STUCTURE, ARCHITECTURAL ASSEMBLIES, SHEET METAL, PIPING SYSTEMS, LIGHTING FIXTURES, CONDUITS, CABLE TRAYS, ETC. REFER TO ALL GENERAL, MECHANICAL, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT. CONTRACTOR IS RESPONSIBLE FOR REWORK ASSOCIATED WITH FAILURE TO COORDINATE.

2. INCORPORATE MECHANICAL DRAWINGS, SPECIFICATIONS, STATE AND LOCAL CODES, AND PROJECT STANDARDS INTO WORK.

3. WARNING - CALL 48 HOURS BEFORE YOU DIG: LAW REQUIRES ANYONE DOING ANY EXCAVATION, FENCING, PLANTING OR DRILLING TO CALL 48 HOURS IN ADVANCE. HAND DIG WITHIN 18 INCHES OF ANY LOCATE MARK OR FLAG. CALL 811.

4. REFER TO ARCHITECTURAL SPECIFICATIONS FOR THROUGH-PENETRATION FIRESTOPPING AND TO ARCHITUCTERUAL CODE PLAN FOR FIRE RATED WALLS, FLOORS AND CEILINGS. EACH TRADE IS RESPONSIBLE TO FIRESTOP PENETRATIONS THROUGH RATED ASSEMBLIES.

5. EACH TRADE IS RESPONSIBLE FOR MAKING PENETRATIONS WHERE REQUIRED IN EXISTING WALLS, FLOORS, CEILINGS AND ROOFS. MAKE PENETRATIONS NEAT. PATCH, CONCEAL OR CAULK ALL OVERCUT TO PREVENT NOISE TRANSFER BETWEEN SPACES. COVER EXPOSED WALL PENETRATIONS WITH ESCUTCHEONS OR SHEET METAL AS APPROPRIATE.

6. CREATE OPENINGS IN BUILDING AS REQUIRED TO REMOVE EXISTING BUILDING COMPONENTS AND BRING IN NEW EQUIPMENT. PATCH ALL OPENINGS CREATED. FINISHED PATCH TO MATCH EXISTING CONDITIONS. INCLUDE THIS WORK IN BID.

## PLUMBING - GENERAL NOTES:

1. COORDINATE PLUMBING WORK WITH ALL OTHER TRADES. BEGIN INSTALLATION AND ROUGH-IN AFTER COORDINATION WITH ALL TRADES ASSOCIATED WITH PROJECT SCOPE. COORDINATE PLUMBING SYSTEMS INSTALLATION WITH BUILDING STUCTURE, ARCHITECTURAL ASSEMBLIES, SHEET METAL, DUCTWORK, LIGHTING FIXTURES, CONDUITS, CABLE TRAYS, ETC. REFER TO ALL GENERAL, MECHANICAL, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT. CONTRACTOR IS RESPONSIBLE FOR REWORK ASSOCIATED WITH FAILURE TO COORDINATE.

2. PROVIDE A COMPLETE PLUMBING SYSTEM INCLUDING PIPE, INSULATION, HANGERS, SUPPORTS, EQUIPMENT, WATER HEATERS, FIXTURES, MIXING VALVES, VALVES, ACCESSORIES AND SPECIALTIES. INSTALL ALL EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. SIZING AND INSTALLATION OF PLUMBING SYSTEMS TO COMPLY WITH ALL STATE AND LOCAL CODES AND PROJECT REQUIRMENTS.

3. DRAWING PLANS, SCHEMATIC AND DIAGRAMS INDICATE GENERAL LOCATION AND ARRANGEMENT OF PLUMBING SYSTEM.

4. EXISTING PLUMBING PIPING AND EQUIPMENT SHOWN ARE BASED ON NON-DESTRUCTIVE SITE OBSERVATION AND AS-BUILT DOCUMENTS PROVIDED BY THE OWNER. FIELD VERIFY ALL EXISTING CONDITIONS INCLUDING LOCATION OF ALL PIPING CONCEALED IN BUILDING ASSEMBLIES WHERE WORK IS REQUIRED.

5. SEAL ALL WALL PIPE PENETRATIONS. PROVIDE THROUGH-PENETRATION FIRE STOPPING WHERE REQUIRED. REFER TO ARCHITEXCTURAL DRAWINGS FOR WALL, FLOOR AND CEILING ASSEMBLY RATINGS.

6. CONTINUE PIPE INSULATION UKBROKEN THROUGH WALL, FLOOR AND CEILING PENETRATIONS. SEAL AROUND PIPE INSULATION AT PENETRATIONS.

7. VERIFY WITH ENGINEER ANY FIXTURES NOT TAGGED OR PIPED PRIOR TO ANY WORK. UNLESS SPECIFICALLY NOTED AS EXCLUDED FROM SCOPE CONTRACTOR IS RESPONSIBLE FOR ALL PLUMBING FIXTURES SHOWN ON ARCHITECTURAL DRAWINGS; TAGGED OR NOT TAGGED ON PLUMBING / MECHANICAL DRAWINGS.

## GENERAL SYMBOLS:

- EXISTING LINEWORK TO BE SHOWN AS "HALFTONE"
- NEW LINEWORK TO BE SHOWN AS BOLD AND BLACK
- DEMOLITION LINEWORK TO BE SHOWN AS BOLD DASHED AND BLACK
- HIDDEN LINEWORK TO BE SHOWN AS THIN DASHED AND BLACK
- NEW POINT OF CONNECTION
- POINT OF DISCONNECT
- KEYNOTE (#)
- EQUIPMENT IDENTIFICATION (XXX / #)
- DETAIL (1 / A101 SIM)
- SECTION (1 / A101 SIM)
- ELEVATION (1 Ref / A101 / 1 Ref / 1 Ref)

## PIPING LEGEND - PLUMBING

| | | |
|---|---|---|
| DCW | ——— – ——— | DOMESTIC COLD WATER |
| DHW | ——— – – ——— | DOMESTIC HOT WATER |
| DHWR | ——— – – – ——— | DOMESTIC HOT WATER RETURN |
| SAN | ——— | SANITARY |
| V | - - - - - - - - - - - - - - - - - - | VENT |

## PLUMBING AND PIPING SYMBOLS

| SINGLE LINE | | DOUBLE LINE |
|---|---|---|
| | 90° ELBOW | |
| | 90° ELBOW - SHORT SWEEP | |
| | 90° ELBOW - LONG SWEEP | |
| | 90° ELBOW - OUTLET DOWN | |
| | 90° ELBOW - OUTLET UP | |
| | 45° ELBOW | |
| | 22° ELBOW | |
| | TEE | |
| | TEE - SANITARY | |
| | TEE - OUTLET DOWN | |
| | TEE - OUTLET UP | |
| | WYE | |
| | COMBINATION WYE & 1/8 BEND | |
| | DOUBLE COMBO | |
| | COUPLING | |
| | CAP | |
| | REDUCER | |
| | BALL VALVE | |

**NOTE: ALL SYMBOLS MAY NOT APPLY TO THIS PROJECT**

## CONTACT 811 BEFORE YOU DIG:

UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN SHOWN BASED UPON INFORMATION OBTAINED FROM FIELD LOCATIONS BY UTILITY COMPANIES, AVAILABLE SURVEYS AND RECORDS. THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS ALSO POSSIBLE THAT THERE MAY BE OTHER UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES IN EXISTENCE THAT ARE NOT SHOWN. IT IS THE RESPONSIBILITY OF EACH INDIVIDUAL PARTY REFERENCING THIS PLAN TO DETERMINE THE EXACT LOCATION AND TYPE OF UNDERGROUND FACILITIES ON THE SITE. HAND EXCAVATE AT CRITICAL POINTS AS NECESSARY TO VERIFY LOCATIONS, SIZES, ELEVATIONS, FLOW LINES, ETC. IF A PROBLEM OR INTERFERENCE EXISTS, NOTIFY ARCHITECT/ENGINEER BEFORE PROCEEDING.

Oregon 811 UTILITY NOTIFICATION CENTER

ZCS ENGINEERING ARCHITECTURE
524 Main Street, Suite 2, Oregon City, Oregon 97045 | 503-659-2205

SEASIDE SCHOOL DISTRICT
1400 BROADWAY ST.
SEASIDE, OR 97138

**BROADWAY FIELD - HERCHE FACILITY RELOCATION**

KCL ENGINEERING
199 E. 5th Ave, Suite 35
Eugene, OR 97401
503-212-4612

REGISTERED PROFESSIONAL ENGINEER — 8864 — Charles White — OREGON — MAR. 8, 2022 — CHARLES WHITE
EXPIRES: 6/30/2024

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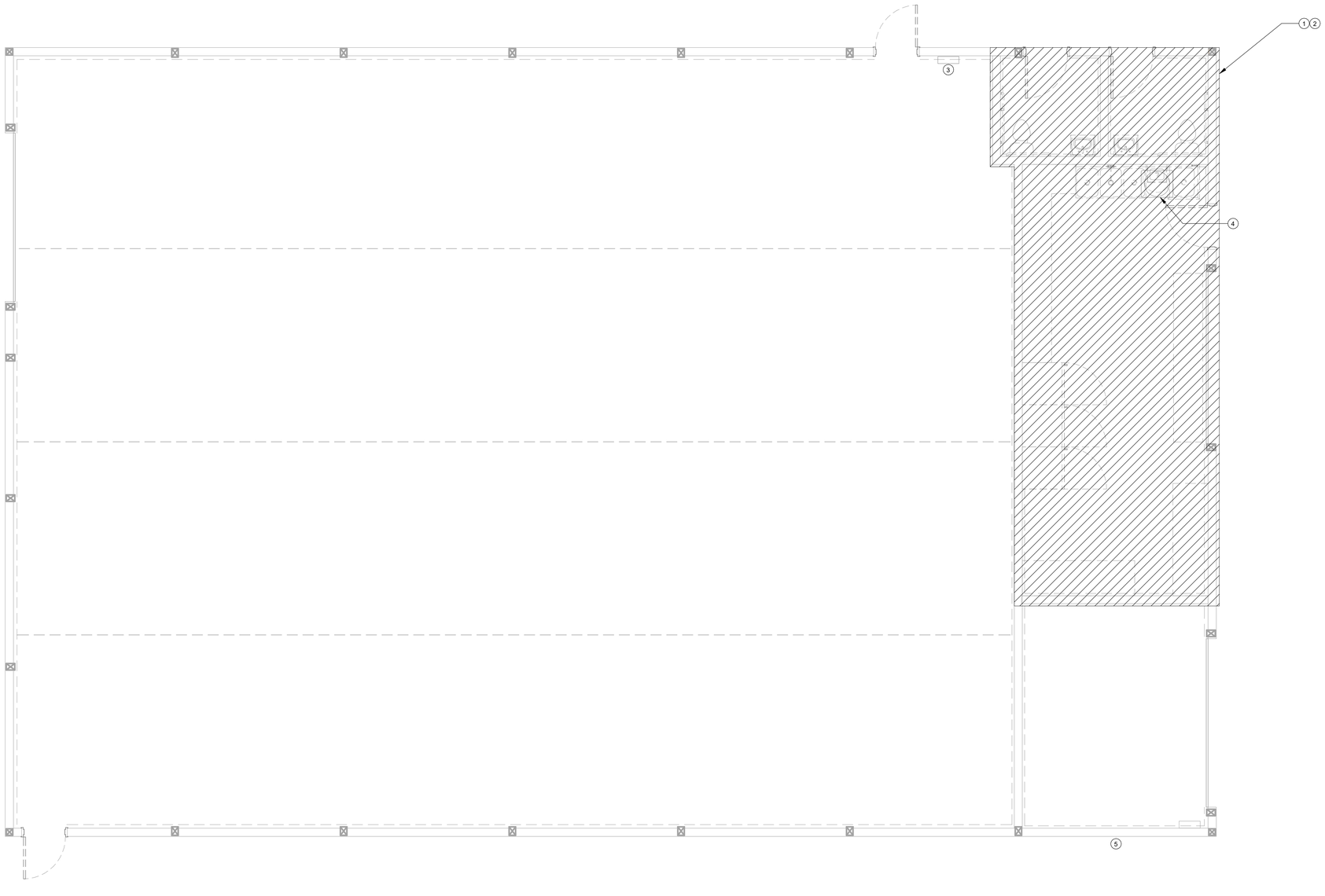
MECHANICAL GENERAL NOTES & SYMBOLS

**M-000**

**PERMIT SUBMITTAL**




1 HERCHE - DEMO PLAN - MECHANICAL
MD-100 1/4" = 1'-0"

**KEYNOTES** (#)

1 CONTRACTOR TO LOCATE ROUTING OF EXISTING UNDERGROUND UTILITIES SERVING HERCHE BUILDING. COORDINATE DISCONNECTION AND RECONNECTION WITH SITE UTILITIES AND BUILDING MOVING CONTRACTORS.

2 REMOVE AND STORE FOR RE-INSTALLATION ALL FREE STANDING PLUMBING FIXTURES. CUT ALL IN WALL PIPING FOR CONNECTION TO NEWLY INSTALLED UNDERGROUND PIPING AT NEW BUILDING LOCATION.

3 DISCONNECT EXISTING RADIANT FLOOR HEATING LOOPS FROM EXISTING MANIFOLDS. MANIFOLDS TO REMAIN.

4 SALVAGE GREASE TRAP IF POSSIBLE. OTHERWISE INSTALL NEW.

5 APPROXIMATE LOCATION OF GAS METER SHOWN. COORDINATE SERVICE DISCONNECTION FROM BUILDING AND RELOCATION OF GAS METER AND SERVICE PIPING WITH GAS UTILITY AND CIVIL CONTRACTOR. GAS UTILITY TO PERFORM WORK TO RELOCATE GAS METER AND SERVICE PIPING. PREPARE INTERIOR GAS PIPING FOR BUILDING RELOCATION AS COORDINATED WITH BUILDING MOVING CONTRACTOR.

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KCL ENGINEERING
199 E. 5th Ave,
Suite 35
Eugene, OR 97401
503-212-4612

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OREGON 88864
CHARLES WHITE
MAR. 8, 2022
EXPIRES: 6/30/2024

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DEMO PLAN - HERCHE BUILDING

**MD-100**

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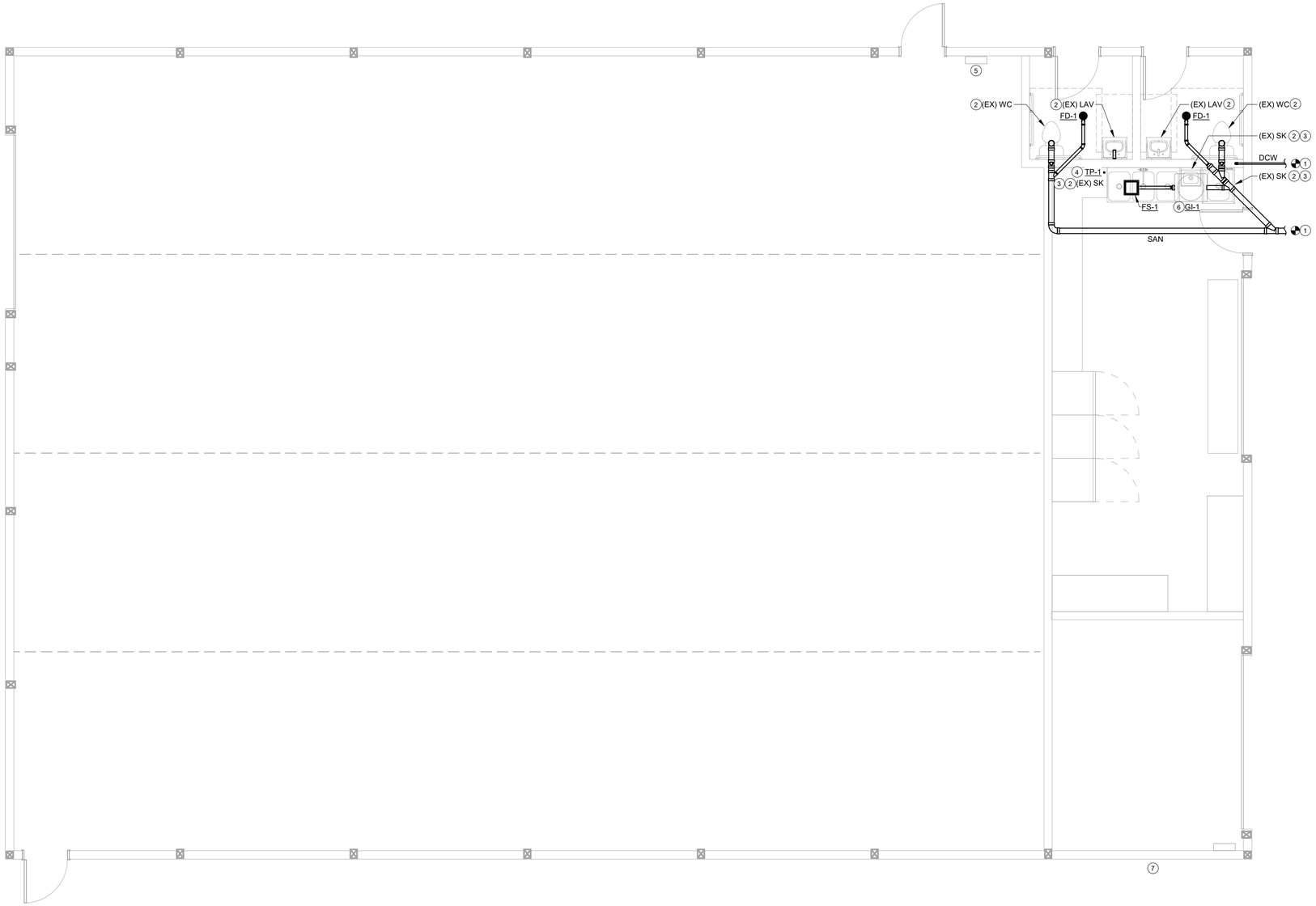


1 M-100 HERCHE - FLOOR PLAN - MECHANICAL

1/4" = 1'-0"

**KEYNOTES** (#)

1 ALL PIPING AND ROUTING SHOWN ILLUSTRATIVE ONLY. EXISTING CONDITIONS TO BE CONFIRMED AND REPLICATED AT NEW BUILDING LOCATION. EXISTING PLUMBING INSIDE HERCHE BUILDING TO RECONNECT TO NEW UNDERGROUND INSTALLATION.

2 FIXTURES LABELED EXISTING TO BE REUSED FROM OLD BUILDING LOCATION.

3 EXISTING INDIRECT WASTE TO REMAIN. FLOOR SINK FS-1 TO BE INSTALLED NEW.

4 TRAP PRIMER TP-1 AND THREE PORT MANIFOLD TO BE INSTALLED NEW AS NECESSARY.

5 EXISTING 10-PORT SUPPLY AND RETURN RADIANT FLOOR HEATING MANIFOLDS. NEW RADIANT FLOOR LOOPS TO BE INSTALLED IN NEW SLAB-ON-GRADE AND CONNECTED TO EXISTING MANIFOLDS. OWNER'S CONTRACTOR TO FIELD VERIFY SIZING.

6 SALVAGE GREASE TRAP IF POSSIBLE. OTHERWISE INSTALL NEW.

7 EXTEND EXISTING INTERIOR GAS PIPING TO CONNECT TO GAS SERVICE ENTRANCE AFTER BUILDING RELOCATION. COORDINATE GAS RE-CONNECTING WITH GAS UTILITY CONTRACTOR. COORDINATE INSPECTION WITH UTILITY AFTER BUILDING RECONNECTION.

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524 Main Street, Suite 2, Oregon City, Oregon 97045 | 503-659-2205

SEASIDE SCHOOL DISTRICT
1400 BROADWAY ST.
SEASIDE, OR 97138

**BROADWAY FIELD - HERCHE FACILITY RELOCATION**

KCL ENGINEERING
199 E. 5th Ave,
Suite 35
Eugene, OR 97401
503-212-4612

REGISTERED PROFESSIONAL ENGINEER
69864
OREGON
MAR. 8, 2022
CHARLES WHITE
EXPIRES: 6/30/2024

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FLOOR PLAN - HERCHE BUILDING

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# PLUMBING FIXTURE SCHEDULE

**GENERAL:**

A. PLUMBING FIXTURE MANUFACTURER AND MODEL ARE BASIS OF DESIGN. REFER TO SPECIFICATIONS FOR APPROVED ALTERNATE MANUFACTURERS.

B. ALL ROUGH-IN SIZES ARE MINIMUM CONNECTION SIZES. REFER TO DRAWINGS FOR FINAL SIZES.

C. ALL VERTICAL WASTE RISERS TO FIXTURES AND ALL BELOW FLOOR WASTE SIZED SHALL BE A MINIMUM OF 2".

| REFERENCE | | | | ROUGH-IN CONNECTION | | | | DESCRIPTION | TRIM |
|---|---|---|---|---|---|---|---|---|---|
| ID TAG | Manufacturer | Model | ADA | CW | HW | W | V | | |
| FD-1 | JAY R. SMITH | 2005 | N/A | - | - | 2" | 1 1/2" | CAST IRON BODY FLOOR DRAIN WITH NO-HUB CONNECTION, FLASHING COLLAR AND ADJUSTABLE STRAINER HEAD. | 6" ROUND TOP NICKEL BRONZE STRAINER. |
| FS-1 | JAY R. SMITH | 320 | N/A | - | - | 2" | 1 1/2" | 12X12 COATED CAST IRON BODY FLOOR SINK, 6" DEEP, ACID RESISTENT ENAMEL FINISH. | ANTI SPLASH DOME STRAINER. LESS FLANGE; LESS GRATE. |
| GI-1 | SCHIER | GB1 | N/A | - | - | 3" | 2" | 10 GALLON LIQUID CAPACITY POLYETHYLENE GREASE INTERCEPTOR WITH PEDESTRIAN RATED COVER. | |
| TP-1 | PRECISION PLUMBING PRODUCTS | P1-500 | N/A | 1/2" | - | 1/2" | - | MECHANICAL TRAP PRIMER. BRASS-PLATED CAP AND BODY. UPC/IAPMO LISTED. ACTIVATION WITH 10 PSIG PRESSURE DROP. SYSTEM OPERATING RANGE BETWEEN 20-80PSI. 1/2" FIP INLET AND 1/2" MIP OUTLET. | SUPPLY WITH THREE PORT PRIMER MANIFOLD. |

# PLUMBING PIPING AND INSULATION SCHEDULE

**NOTES:**

**1. ALL PIPING UTILIZED FOR POTABLE WATER SHALL MEET NSF 14, 61 AND 372. PUSH TO CONNECT / PUSH ON TYPE JOINTS ARE NOT ALLOWED. REFER TO SPECIFICATIONS FOR FURTHER JOINT AND MATERIAL REQUIREMENTS.**

**2. REFER TO SPECIFICATIONS FOR FURTHER INSULATION REQUIREMENTS. INSULATION R-VALUE SHALL MEET INTERNATIONAL ENERGY CODE [2015] REQUIREMENTS.**

**3. ALL VALVES UTILIZED IN POTABLE WATER SYSTEMS SHALL MEET NSF 61 AND 372. REFER TO SPECIFICATIONS FOR FURTHER VALVE REQUIREMENTS.**

**4. EXPOSED PIPING MOUNTED LESS THAN 6'-0" ABOVE FINISHED FLOOR SHALL HAVE PVC JACKET.**

**5. INSULATION APPLIED TO PIPING THAT IS LOCATED IN RETURN AIR PLENUMS SHALL MEET ASTM E 84 25/50 FLAME AND SMOKE SPREAD RATING AND COMPLY WITH NFPA STANDARD 90A.**

**6. VENT PIPING SHALL BE INSULATED A MINIMUM OF 5'-0" FROM EXTERIOR WALL OR ROOF PENETRATION.**

| SYSTEM | SIZE RANGE (INCHES) | LOCATION | PIPE MATERIAL | JOINT TYPE | VALVE TYPES | INSULATION TYPE | INSULATION THICKNESS (INCHES) | JACKET | NOTES |
|---|---|---|---|---|---|---|---|---|---|
| DOMESTIC COLD WATER | 1/2 - 2 | BELOW GROUND | TYPE L COPPER | SOLDER/PRESSURE SEAL | BRONZE BALL W/ SS TRIM | MINERAL FIBER / ELASTOMERIC | 1/2 | PVC | 1,2,3,4,5 |
| DOMESTIC COLD WATER | 1/2 - 2 | ABOVE GROUND | PEX | EXPANSION | BRONZE BALL W/ SS TRIM | MINERAL FIBER / ELASTOMERIC | 1/2 | PVC | 1,2,3,4,5 |
| DOMESTIC HOT WATER | 3/4 - 1 1/4 | ABOVE GROUND | TYPE L COPPER | SOLDER/PRESSURE SEAL | BRONZE BALL W/ SS TRIM | MINERAL FIBER / ELASTOMERIC | 1 | PVC | 1,2,3,4,5 |
| DWV | 1 1/2 - 4 | ALL | SCH 40 ABS | SOLVENT | N/A | -- | -- | -- | 2,5 |

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**BROADWAY FIELD - HERCHE FACILITY RELOCATION**

KCL ENGINEERING
199 E. 5th Ave,
Suite 35
Eugene, OR 97401
503-212-4612

REGISTERED PROFESSIONAL ENGINEER
86864
Charles White
OREGON
MAR. 8, 2022
CHARLES WHITE
EXPIRES: 6/30/2024

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MECHANICAL DETAILS AND SCHEDULES

**M-301**

**PERMIT SUBMITTAL**

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## INSTALLATION NOTES - ELECTRICAL

1. BECOME FAMILIAR WITH EXISTING CONDITIONS PRIOR TO BID.
2. INCREASE CONDUCTOR SIZES ON 20A 120V-1 PHASE CIRCUITS EXCEEDING 100 FEET TO CENTER OF LOAD TO ACCOUNT FOR VOLTAGE DROP.
3. RACEWAYS AND BOXES ARE SHOWN DIAGRAMMATICALLY ONLY AND INDICATE GENERAL AND APPROXIMATE LOCATIONS. LAYOUTS DO NOT ALWAYS SHOW THE TOTAL NUMBER OF RACEWAYS OR BOXES FOR THE CIRCUITS REQUIRED, NOR ARE THE LOCATIONS OF INDICATED RUNS INTENDED TO SHOW THE ACTUAL ROUTING OF THE RACEWAYS.
4. LIGHT FIXTURES, SWITCHES, DEVICES, ETC. ARE SHOWN IN PREFERRED LOCATION. MODIFY CONDUIT, HANGERS, CIRCUITING, ETC. TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM.
5. PROVIDE A DEDICATED GREEN INSULATED GROUND CONDUCTOR TO ALL DEVICES. DO NOT USE CONDUIT SYSTEM AS THE ONLY EQUIPMENT GROUNDING METHOD.
6. DO NOT INSTALL BOXES BACK-TO-BACK ON OPPOSITE SIDES OF THE SAME WALL. MAINTAIN MINIMUM OF 8" DISTANCE BETWEEN BOXES WHEREVER APPLICABLE.
7. BALANCE PANEL LOADS DURING INSTALLATION. CIRCUIT NUMBERING SHOWN ON PLANS MAY BE ADJUSTED TO ACCOMMODATE.
8. PROVIDE TYPED PANEL DIRECTORY AT PROJECT COMPLETION FOR NEW PANELS AND EXISTING PANELS WITH CIRCUITS MODIFIED AS A RESULT OF THIS PROJECT. USE OWNER'S CURRENT ROOM NUMBERS AND EQUIPMENT NAMES.
9. CONTRACTOR IS RESPONSIBLE FOR OPENINGS IN WALLS, FLOORS, CEILINGS, AND ROOFS THAT ARE REQUIRED TO COMPLETE THEIR SCOPE OF WORK. SEAL PENETRATIONS IN ACCORDANCE WITH THE RATING OF THE AFFECTED ASSEMBLY. REFER TO ARCHITECTURAL CODE PLAN FOR RATED WALLS, FLOORS, AND CEILINGS.

## DEVICE INSTALLATION AND MATERIALS - ELECTRICAL

1. PROVIDE GFCI TYPE RECEPTACLES AT ALL LOCATIONS REQUIRED BY THE NEC.
2. INSTALL WALL MOUNTED RECEPTACLES AT +18" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED.
3. INSTALL WALL MOUNTED LIGHT SWITCHES AT +46" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED. EXCEPTION; INSTALL DEVICES ABOVE AN OBSTRUCTED HIGH FORWARD REACH OBSTACLE GREATER THEN 20 INCHES IN DEPTH AT +42".
4. INSTALL ABOVE COUNTERTOP RECEPTACLES +8" ABOVE COUNTERTOP OR AS OTHERWISE INDICATED.
5. AT A COMMON COUNTERTOP, INSTALL ALL RECEPTACLES AND SWITCHES AT THE SAME HEIGHT UNLESS OTHERWISE SPECIFICALLY INDICATED.

## BUILDING EQUIPMENT COORDINATION NOTES - ELECTRICAL

1. PROVIDE AND INSTALL ELECTRICAL SYSTEMS UNDER THIS CONTRACT MEETING THE REQUIREMENTS OF THE SPECIFIED MECHANICAL AND PLUMBING SYSTEMS. REFERENCE THE ENTIRE PROJECT DOCUMENTS, MANUALS, SCHEDULES, DETAILS, AND NOTES.
2. PROVIDE ELECTRICAL CONNECTIONS AND ACCESSORIES INCLUDING STARTERS, DISCONNECTS, CONTROL WIRING, ETC. AS REQUIRED FOR THE BUILDING MECHANICAL EQUIPMENT. INFORMATION HEREIN AND ON THE DRAWINGS IS FOR GENERAL DESCRIPTION AND ESTIMATING PURPOSES ONLY. VERIFY VOLTAGE, AMPERAGE, PHASE, INRUSH, ETC. FOR EACH ITEM OF EQUIPMENT BEFORE PROCEEDING WITH INSTALLATION. INSTALL EQUIPMENT PER WIRING DETAILS AND INSTRUCTIONS FURNISHED BY THE SUPPLIERS OF THE EQUIPMENT TO PROVIDE PROPER OPERATION.
3. REVIEW MECHANICAL EQUIPMENT SHOP DRAWINGS FOR COMPLIANCE AND COORDINATION WITH ELECTRICAL CONNECTIONS. NOTIFY ENGINEER IF CHANGES TO ELECTRICAL CONNECTIONS, WIRING, AND BREAKER REQUIREMENTS ARE NECESSARY TO ACCOMMODATE EQUIPMENT BEING SUPPLIED.
4. DO NOT RELEASE ELECTRICAL DISTRIBUTION EQUIPMENT UNTIL ALL MECHANICAL EQUIPMENT REQUIRING ELECTRICAL INFRASTRUCTURE HAS BEEN SUBMITTED AND APPROVED. MAKE COORDINATION ADJUSTMENTS TO BREAKER SIZES AND SIMILAR CHANGES TO ELECTRICAL EQUIPMENT PRIOR TO SUBMITTAL RELEASE. COORDINATE SCHEDULING OF SHOP DRAWINGS WITH ALL TRADES.
5. PROVIDE DISCONNECTS RATED FOR EQUIPMENT AS REQUIRED AND AS INDICATED WITHIN EQUIPMENT CONNECTION SCHEDULE. COORDINATE DISCONNECT MOUNTING TO ALLOW EQUIPMENT REMOVAL WITHOUT DISCONNECT REMOVAL AND TO MINIMIZE WIRING WORK REQUIRED.
6. PROVIDE HEAVY DUTY TYPE DISCONNECTS RATED FOR THE INSTALLED ENVIRONMENT. PROVIDE MINIMUM NEMA 3R RATED DISCONNECTS FOR EXTERIOR INSTALLATIONS OR AS NOTED.
7. VERIFY LOCATIONS OF ALL EQUIPMENT. REFER TO MECHANICAL, PLUMBING, AND ARCHITECTURAL DRAWINGS AND COORDINATE WITH THE ASSOCIATED SUB-CONTRACTOR. ADJUST ELECTRICAL INSTALLATION AS REQUIRED.

## INSTALLATION NOTES - SYSTEMS

1. REFER TO TECHNOLOGY SERIES SHEETS FOR ROUGH-IN REQUIREMENTS.
2. REFER TO ELECTRICAL/TECHNOLOGY SCOPE OF RESPONSIBILITY MATRIX.

## ELECTRICAL ABBREVIATIONS

| | | | |
|---|---|---|---|
| AFF | ABOVE FINISHED FLOOR | NM | NONMETALLIC |
| ATS | AUTOMATIC TRANSFER SWITCH | NTS | NOT TO SCALE |
| C | CEILING | OC | ON CENTER |
| CB | CIRCUIT BREAKER | OFCI | OWNER FURNISHED CONTRACTOR INSTALLED |
| CT | CURRENT TRANSFORMER | OFOI | OWNER FURNISHED, OWNER INSTALLED |
| (D) | EXISTING ITEM TO BE REMOVED | (RE) | EXISTING ITEM TO BE REMOVED AND REINSTALLED |
| (E) | EXISTING ITEM TO REMAIN | (RR) | EXISTING ITEM TO BE REMOVED AND STORED FOR REINSTALLATION |
| EC | ELECTRICAL CONTRACTOR | (RN) | EXISTING ITEM TO BE REMOVED AND REPLACED WITH NEW |
| EM | EMERGENCY LIGHT FIXTURE | SCCR | SHORT CIRCUIT CURRENT RATING |
| (ER) | NEW LOCATION OF EXISTING ITEM | T | TAMPER PROOF DEVICE |
| (F) | ROUGH IN FOR FUTURE DEVICE | TCC | TEMPERATURE CONTROL CONTRACTOR |
| FAAP | FIRE ALARM ANNUNCIATOR PANEL | TV | TELEVISION |
| FACP | FIRE ALARM CONTROL PANEL | TYP | TYPICAL |
| FSD | FIRE SMOKE DAMPER | UPS | UNINTERRUPTIBLE POWER SUPPLY |
| G | GROUND FAULT CIRCUIT INTERRUPTER | V | VOLTS |
| GND | GROUND | VA | VOLT-AMPERES |
| KVA | KILO-VOLT-AMPERES | WG | WIREGUARD COVER |
| KW | KILOWATTS | WP | WEATHERPROOF DEVICE |
| MC | MECHANICAL CONTRACTOR | WR | WEATHER RESISTANT DEVICE |
| MCB | MAIN CIRCUIT BREAKER | +24" | INDICATES MOUNTING HEIGHT CENTER LINE OF DEVICE TO FINISHED FLOOR |
| MDP | MAIN DISTRIBUTION PANEL | | |
| MLO | MAIN LUGS ONLY | | |
| (N) | NEW DEVICE IN EXISTING LOCATION | | |
| NIC | NOT IN CONTRACT | | |

## GENERAL NOTES - ELECTRICAL

1. COORDINATE LOCATION/INSTALLATION OF MECHANICAL AND ELECTRICAL WORK WITH ALL OTHER TRADES. BEGIN INSTALLATION AND ROUGH-IN ONLY AFTER PROPER AND TIMELY COORDINATION WITH ALL TRADES ASSOCIATED WITH THE INSTALLATION IS COMPLETE. COORDINATE WITH BUILDING STRUCTURE, ARCHITECTURE, MECHANICAL SHEET METAL, ALL PIPING SYSTEMS, LIGHT FIXTURES, CONDUITS, CABLE TRAYS, EQUIPMENT ACCESS/CLEARANCE, ETC. REFER TO ALL GENERAL, MECHANICAL, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT. CONTRACTOR IS RESPONSIBLE FOR REWORK OF INSTALLED EQUIPMENT RESULTING FROM INSUFFICIENT COORDINATION.
2. ELECTRICAL DRAWINGS ARE ONLY A PORTION OF THE COMPLETE SET OF PLANS AND CONTRACT DOCUMENTS. THE ELECTRICAL SCOPE OF WORK IS DEFINED BY THE COMPLETE SET OF CONTRACT DOCUMENTS. THIS INCLUDES BUT IS NOT LIMITED TO REFERENCING; ARCHITECTURAL PLANS FOR DIMENSIONS AND DETAILS; EQUIPMENT PLANS FOR ROUGH-IN REQUIREMENTS, MECHANICAL PLANS FOR EQUIPMENT SIZES AND LOCATIONS.

## CODE NOTES - ELECTRICAL

1. PROVIDE ELECTRICAL INSTALLATION IN ACCORDANCE WITH ALL LOCAL, STATE, AND NATIONAL CODES.
2. THE CURRENT ADOPTED EDITION OF THE ELECTRICAL CODE IS THE STANDARD FOR THE ELECTRICAL INSTALLATION. VERIFY WITH LOCAL OFFICIALS WHEN PERMITS ARE OBTAINED. NOTIFY DESIGN TEAM OF ANY DISCREPANCIES BETWEEN THE PROJECT MANUAL OR DRAWINGS AND THE GOVERNING CODE.
3. INSTALLATION SHALL FOLLOW REQUIREMENTS OF THE ADAAG – AMERICANS WITH DISABILITIES ACT.
4. REFER TO PROJECT MANUAL AND PROJECT CODE REVIEW SHEET FOR LIST OF APPLICABLE CODES.

## DEMOLITION AND RENOVATION NOTES - ELECTRICAL

1. ELECTRICAL DEMOLITION DRAWINGS SHOWING EXISTING CONDITIONS HAVE BEEN PREPARED BASED ON FIELD OBSERVATION AND ORIGINAL DRAWINGS. FIELD VERIFY EXISTING CONDITIONS BEFORE WORK BEGINS. ADDITIONAL COMPONENTS MAY EXIST WHICH ARE NOT SHOWN. BECOME FAMILIAR WITH EXISTING ELECTRICAL SYSTEM WHICH WILL BE AFFECTED BY THE DEMOLITION WORK.
2. PROVIDE EQUIPMENT, LABOR, AND MATERIALS TO REMOVE ELECTRICAL FACILITIES AND CLEAR THE AREA TO RECEIVE THE NEW WORK PROVIDED UNDER THIS CONTRACT.
3. IN OCCUPIED AREAS BEYOND THE DEMOLITION SCOPE, KEEP EXISTING SYSTEMS NOT AFFECTED BY PROJECT SCOPE OPERATIONAL THROUGH THE DURATION OF THE PROJECT. OBTAIN PERMISSION FROM OWNER'S REPRESENTATIVE TO SHUT OFF SERVICES OR SYSTEMS WHICH MAY AFFECT OTHER AREAS BEYOND THE LIMITS OF THE DEMOLITION AREA. INFORM OWNER'S REPRESENTATIVE OF THE REASON FOR AND DURATION OF THE SHUTDOWN AND ENSURE THAT THE SHUTDOWN IS MADE WITH AS LITTLE INCONVENIENCE TO OTHER AREAS AS POSSIBLE.
4. REMOVE CONDUITS, BOXES, ETC., AS REQUIRED BY WALL, CEILING, AND ADJACENT COMPONENTS DEMOLITION. REMOVE EXISTING WIRE UNLESS OTHERWISE NOTED.
5. INSTALL NEW CONDUCTORS FOR NEW CIRCUITS IN REMODELED AREAS UNLESS SPECIFICALLY NOTED OTHERWISE. RETAIN EXISTING CONDUITS IN GOOD CONDITION WHERE APPROVED BY ENGINEER OR AS INDICATED.
6. IDENTIFY DISCONNECTED BRANCH CIRCUIT LOCATION OR ITEM SERVED BEFORE DISCONNECTION. UPDATE PANEL/EQUIPMENT DIRECTORY ACCORDINGLY.
7. MAINTAIN CIRCUITS SERVING AREAS BEYOND THE DEMOLITION AREA. EXTEND NEW WIRING AND BYPASS DEMOLISHED DEVICES TO MAINTAIN EXISTING CIRCUITS.
8. KEEP EXISTING SYSTEMS OPERATIONAL DURING ALL PHASES OF CONSTRUCTION. DO NOT CUT EXISTING TELECOMMUNICATION WIRING, CABLES OR CONDUIT. CONTRACTORS WHO CUT IN-SERVICE CABLES ARE RESPONSIBLE FOR ALL DOWNTIME AND COSTS TO REPAIR.
9. INSTALL BLANK COVER PLATES OVER OPENING AT REMOVED DEVICE LOCATIONS. THIS INCLUDES BUT IS NOT LIMITED TO, CLOCKS, RECEPTACLES, SWITCHES, JUNCTION BOXES, ETC.
10. PROVIDE CUTTING AND PATCHING OF EXISTING MATERIALS AS REQUIRED FOR THE PROPER COMPLETION OF THE DEMOLITION WORK AND THE INSTALLATION OF THE NEW WORK.
11. MAINTAIN FULL FUNCTIONAL AND AESTHETIC INTEGRITY OF DEVICES IDENTIFIED TO BE REMOVED AND RELOCATED, AND HANDLE WITH APPROPRIATE CARE TO ALLOW FOR REINSTALLATION. REPLACE DEVICES DAMAGED DURING DEMOLITION WITH NEW AT CONTRACTOR'S EXPENSE.
12. EQUIPMENT AND SYSTEM THAT ARE REMOVED REMAIN THE PROPERTY OF THE OWNER UNLESS OTHERWISE NOTED. DISPOSE OF ALL MATERIALS NOT SALVAGED BY THE OWNER.
13. REMOVE AND REINSTALL CEILING TILES REQUIRED FOR THE WORK BEING DONE UNDER THIS CONTRACT. REPLACE CEILING TILES DAMAGED DURING CONSTRUCTION TO MATCH EXISTING.

## POWER SYMBOLS

- SINGLE RECEPTACLE, WALL MOUNT +18", OR AS NOTED
- DUPLEX RECEPTACLE, CEILING MOUNT
- DUPLEX RECEPTACLE, TAMPER-RESISTANT, WALL MOUNT +18", OR AS NOTED
- DUPLEX RECEPTACLE, TAMPER-RESISTANT, WALL MOUNT 8" ABOVE COUNTER TOP
- DUPLEX GFCI RECEPTACLE, TAMPER-RESISTANT, WALL MOUNT +18", OR AS NOTED
- DUPLEX RECEPTACLE, MOUNTED WITHIN WATER COOLER HOUSING, VERIFY HEIGHT. CONNECT TO GFCI, CIRCUIT BREAKER OR REMOTE WALL DEVICE.
- DUPLEX GFCI WEATHER RESISTANT RECEPTACLE WITH WEATHER-PROOF IN-USE COVER, TAMPER-RESISTANT, WALL MOUNT +24", OR AS NOTED
- QUADRAPLEX RECEPTACLE, TAMPER-RESISTANT, WALL MOUNT +18", OR AS NOTED
- QUADRAPLEX GFCI RECEPTACLE, TAMPER-RESISTANT, WALL MOUNT +18", OR AS NOTED
- FB# DUPLEX RECEPTACLE IN FLOORBOX, TAMPER-RESISTANT. REFER TO SCHEDULE.
- FB# QUADRUPLEX RECEPTACLE IN FLOORBOX, TAMPER-RESISTANT. REFER TO SCHEDULE.
- FB# 1 FLOOR BOX, COMBINATION POWER AND DATA ENCLOSURE. QUANTITY OF CABLES AS NOTED. DEVICES AS NOTED. REFER TO SCHEDULE.
- SPECIAL RECEPTACLE, WALL MOUNT +18", OR AS NOTED, REFER TO ELECTRICAL EQUIPMENT CONNECTION SCHEDULE FOR RECEPTACLE TYPE
- SPECIAL RECEPTACLE, CEILING MOUNT, REFER TO ELECTRICAL EQUIPMENT CONNECTION SCHEDULE FOR RECEPTACLE TYPE
- EQUIPMENT CONNECTION, REFER TO ELECTRICAL EQUIPMENT CONNECTION SCHEDULE FOR CONNECTION TYPE
- EQUIPMENT CONNECTION, WALL MOUNT +18", OR AS NOTED, REFER TO ELECTRICAL EQUIPMENT CONNECTION SCHEDULE FOR CONNECTION TYPE
- G BLANK FACE GFCI DEVICE, WALL MOUNT +48", OR AS NOTED
- MOTORIZED DOOR OPERATOR CONTROL STATION, WALL MOUNT, +48", OR AS NOTED
- DOOR PUSH BUTTON (WEATHERPROOF), +48" OR AS NOTED
- GE GYM EQUIPMENT CONTROLLER, WALL MOUNT +48", OR AS NOTED
- J JUNCTION BOX, WITH PULL STRING, WALL MOUNT, REFER TO PLAN OR DETAIL FOR MOUNTING HEIGHT
- HAND DRYER, WALL MOUNT, REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHT.
- H IN GROUND, HANDHOLE OR PULL BOX
- GROUND BAR
- T UTILITY TRANSFORMER
- M UTILITY METER
- SPD SURGE PROTECTIVE DEVICE
- PP POWER POLE RACEWAY
- SAFETY DISCONNECT SWITCH
- VFD
- VFD WITH INTEGRAL DISCONNECT
- EMERGENCY PUSH BUTTON
- PLUG STRIP, SURFACE MOUNTED. ELEVATION AS NOTED.
- PANELBOARD - SURFACE MOUNTED
- PANELBOARD - RECESSED IN WALL
- DISTRIBUTION PANELBOARD/SWITCHBOARD - SURFACE MOUNTED AS NOTED.
- CORD REEL, CEILING MOUNTED - REFER TO DETAIL
- GEN GENERATOR
- GROUND RING

## GENERAL SYMBOLS

- CONDUIT SLEEVE
- CONDUIT UP, REFER TO TAG ON DRAWING FOR SIZE
- CONDUIT DOWN, REFER TO TAG ON DRAWING FOR SIZE
- J JUNCTION BOX, CEILING OR FLOOR MOUNTED.
- J JUNCTION BOX, WALL MOUNTED, ELEVATION AS NOTED.
- CIRCUIT HOMERUN, CONCEALED CONDUIT OR CABLE
- CIRCUIT HOMERUN, UNDER FLOOR CONDUIT OR CABLE
- # KITCHEN EQUIPMENT TAG NUMBER. REFER TO KITCHEN EQUIPMENT CONNECTION SCHEDULE
- # KEYNOTE
- XXX / X EQUIPMENT IDENTIFICATION TAG. REFER TO EQUIPMENT CONNECTION SCHEDULE
- 1 / A101 SIM DETAIL DRAWING REFERENCE TAG, SIM-SIMILAR, TYP-TYPICAL, OPP-OPPOSITE / SHEET REFERENCE
- 1 / A101 SIM SECTION CUT REFERENCE TAG, SIM-SIMILAR, TYP-TYPICAL, OPP-OPPOSITE / SHEET REFERENCE
- A101 / 1 Ref INTERIOR ELEVATION DRAWING REFERENCE TAG

**NOTE: ALL SYMBOLS MAY NOT APPLY TO THIS PROJECT**


ZCS ENGINEERING ARCHITECTURE
524 Main Street, Suite 2, Oregon City, Oregon 97045 | 503-659-2205


SEASIDE SCHOOL DISTRICT
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SEASIDE, OR 97138

**BROADWAY FIELD - HERCHE FACILITY RELOCATION**


KCL ENGINEERING
199 E. 5th Ave, Suite 35
Eugene, OR 97401
503-212-4612


REGISTERED PROFESSIONAL ENGINEER
99536PE
OREGON
MAY 10, 2022
CODY ARTHUR COWDIN
EXPIRES: 12/31/2023

| △REVISION ID: | DATE: |
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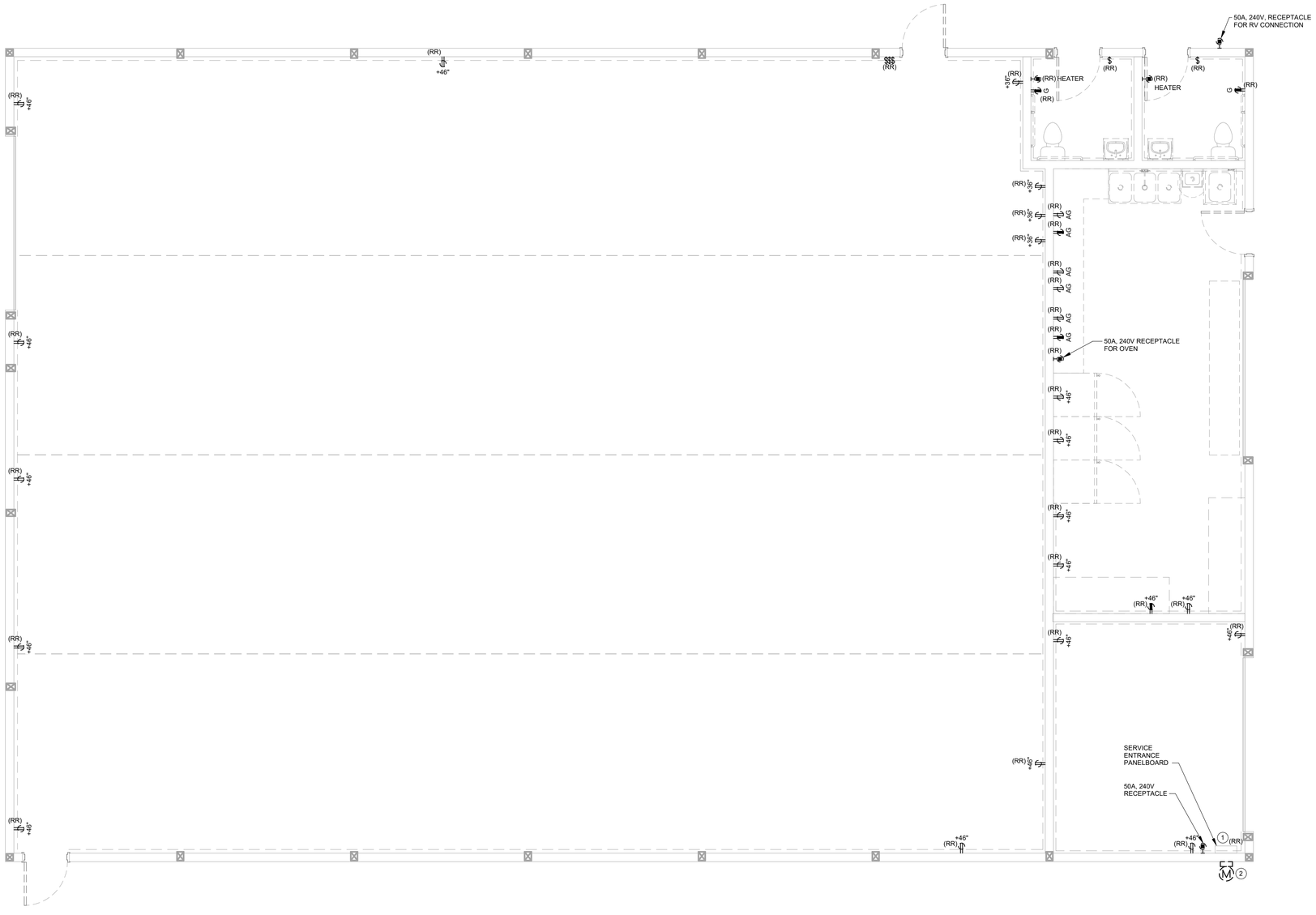
ELECTRICAL GENERAL NOTES & SYMBOLS

**E-000**

PERMIT SUBMITTAL



ONE INCH EQUALS FULL SCALE




1 DEMO PLAN - HERCHE - ELECTRICAL
ED-100 1/4" = 1'-0"

## NOTES

A. ALL ELECTRICAL EQUIPMENT, POWER DEVICES, LIGHTING DEVICES EXISTING RACEWAY, JUNCTION BOXES, AND DEVICE FACEPLATES, INSTALLED BELOW 72" ABOVE FINISHED FLOOR OR ON WALLS THAT ARE TO BE FULLY OR PARTIALLY REMOVED, SHALL BE CAREFULLY REMOVED AND STORED FOR REINSTALLATION AFTER BUILDING RELOCATION.

B. QUANTITIES AND LOCATIONS OF ELECTRICAL EQUIPMENT, DEVICES, AND LIGHTING DEVICES ARE SHOWN IN APPROXIMATE LOCATIONS BASED ON OBSERVED SITE CONDITIONS. FIELD VERIFY AND DOCUMENT COMPLETE EXISTING CONDITIONS PRIOR TO REMOVAL. ALL EXISTING CONNECTIONS ARE TO BE REINSTALLED IN EXISTING LOCATIONS AND ORIENTATION. IF AND WHERE EXISTING CONDITIONS CONFLICT WITH CODE REQUIREMENTS, PROVIDE DOCUMENTATION OF THE DISCREPANCY TO THE PROJECT ARCHITECT AND ENGINEER.

C. PRIOR TO REMOVAL, RECORD THE FOLLOWING INFORMATION FOR EACH DEVICE AND APPLY LABEL TO IDENTIFY: INSTALLED LOCATION, BRANCH CIRCUIT NUMBER/NAME, PHYSICAL ORIENTATION, AND INSTALLED HEIGHT ABOVE FINISHED FLOOR.

D. EXISTING CIRCUIT CONDUCTORS SHALL BE PULLED BACK AND SECURED TO BUILDING STRUCTURE AT A POINT ABOVE BUILDING RELOCATION CONTRACTOR WORK AREA. CONDUCTORS SHALL BE PROTECTED FROM DAMAGE TO ALLOW FOR REINSTALLATION AFTER BUILDING RELOCATION.

## KEYNOTES (#)

1. REMOVE EXISTING SERVICE ENTRANCE PANELBOARD AND STORE FOR REINSTALLATION AFTER BUILDING RELOCATION. LABEL ALL BRANCH CIRCUIT CONDUCTORS PRIOR TO DISCONNECTION. SECURE AND PROTECT CONDUCTORS FOR RECONNECTION AFTER BUILDING RELOCATION.

2. EXISTING SECONDARY SERVICE LATERAL CONDUCTORS TO BE DISCONNECTED FROM SERVICE ENTRANCE PANELBOARD AND EXTERIOR POWER METER. COORDINATE SERVICE DISCONNECTION WORK WITH ELECTRICAL UTILITY. REFER TO ONE-LINE DIAGRAM FOR ADDITIONAL UTILITY INFORMATION.

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**BROADWAY FIELD - HERCHE FACILITY RELOCATION**

KCL ENGINEERING
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Suite 35
Eugene, OR 97401
503-212-4612

REGISTERED PROFESSIONAL ENGINEER
99536PE
OREGON
MAY 10, 2021
CODY ARTHUR COWDIN
EXPIRES: 12/31/2023

| REVISION ID: | DATE: |
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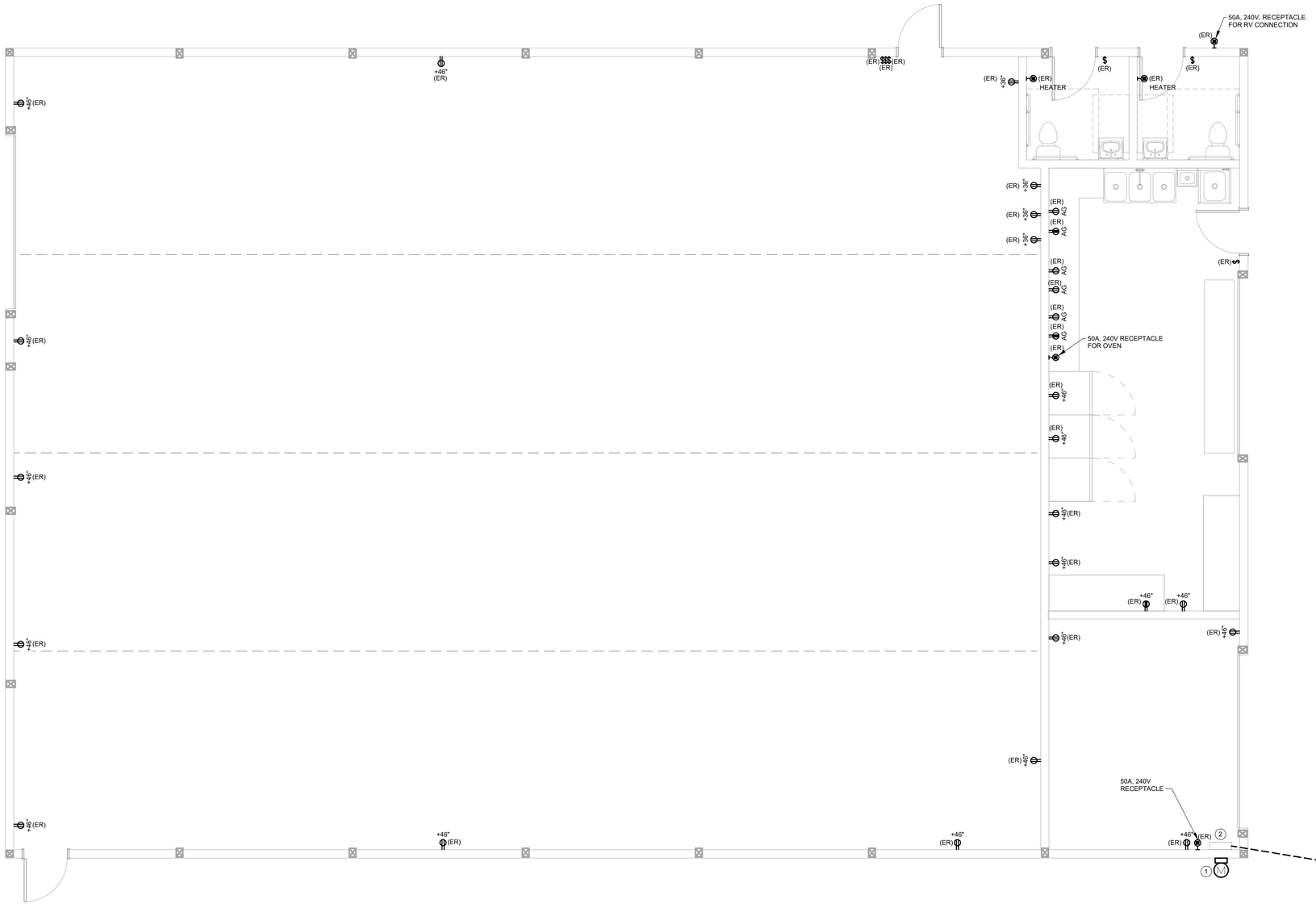
DEMO PLAN - HERCHE BUILDING

**ED-100**

PERMIT SUBMITTAL




1 HERCHE - FLOOR PLAN - ELECTRICAL
E-100 1/4" = 1'-0"

**NOTES**

A. QUANTITIES AND LOCATIONS OF ELECTRICAL EQUIPMENT, AND DEVICES ARE APPROXIMATE. REINSTALL AND RECONNECT DEVICES AND EQUIPMENT IN THE SAME LOCATIONS AND ORIENTATION AS THEY WERE IN THE INSTALLATION PRIOR TO BUILDING RELOCATION.

B. ELECTRICAL EQUIPMENT, POWER DEVICES AND LIGHTING DEVICES THAT WERE DAMAGED DURING REMOVAL OR IN STORAGE SHALL NOT BE REINSTALLED. CONTRACTOR TO PROVIDE NEW MATERIAL AND DEVICES AS NECESSARY TO REPLACE DAMAGED ITEMS.

1 C. COORDINATE CONNECTION OF NEWLY INSTALLED RADIANT FLOOR HEATING SYSTEM EQUIPMENT AND CONTROLS WITH OWNER'S MECHANICAL CONTRACTOR. PROVIDE ROUGH-INS, WIRING, AND CONNECTIONS AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.

**KEYNOTES** (#)

1. COORDINATE RECONNECTION OF SERVICE TO METER AND SERVICE ENTRANCE PANELBOARD WITH ELECTRICAL UTILITY. REFER TO ONE-LINE DIAGRAM FOR ADDITIONAL REQUIREMENTS.

2. REINSTALL SERVICE ENTRANCE PANELBOARD IN THE SAME LOCATION AS THE ORIGINAL INSTALLATION AND RECONNECT EXISTING BRANCH CIRCUIT WIRING. REFER TO ONE-LINE DIAGRAM FOR ADDITIONAL REQUIREMENTS.

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FLOOR PLAN - HERCHE BUILDING

**E-100**

PERMIT SUBMITTAL

## BRANCH PANEL: HERCHE

**LOCATION:** STORAGE 104
**SUPPLY FROM:** UTILITY XFMR-2
**MOUNTING:** RECESSED
**ENCLOSURE:** TYPE 1

**VOLTAGE:** 120/240 SINGLE
**PHASES:** 1
**WIRES:** 3

**SCCR RATING:** 10 KA
**MAINS TYPE:** MCB
**MAINS RATING:** 200 A
**MCB RATING:** 200 A

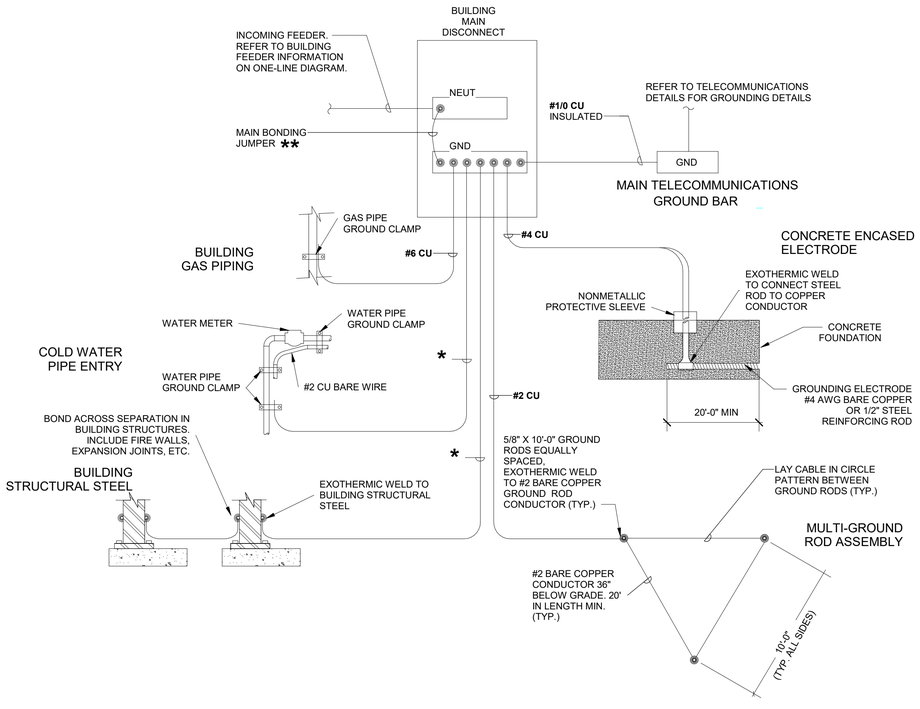
**NOTES: (EXISTING PANEL) BREAKERS IN THE PANEL ARE EXISTING TO REMAIN, BOLD TEXT INDICATES NEW BREAKER IN EXISTING SPACE**

| CIRCUIT DESCRIPTION | P | AMP | CKT NO | A | | B | | CKT NO | AMP | P | CIRCUIT DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SPACE | 1 | -- -- | 1 | -- | -- | | | 2 | -- -- | 1 | SPACE |
| SPACE | 1 | -- -- | 3 | | | -- | -- | 4 | -- -- | 1 | SPACE |
| SPACE | 1 | -- -- | 5 | -- | -- | | | 6 | -- -- | 1 | SPACE |
| SPACE | 1 | -- -- | 7 | | | -- | -- | 8 | -- -- | 1 | SPACE |
| SPACE | 1 | -- -- | 9 | -- | -- | | | 10 | -- -- | 1 | SPACE |
| SPACE | 1 | -- -- | 11 | | | -- | 0 | 12 | **50 A** -- | 2 | **(FUTURE) LC-4** |
| **SB-2 - SOFTBALL SCOREBOARD** | 1 | -- **20 A** | 13 | 0 | 0 | | | 14 | | | |
| **SB-3 - BASEBALL SCOREBOARD** | 1 | -- **20 A** | 15 | | | 0 | 0 | 16 | **50 A** -- | 2 | **(FUTURE) LC-5** |
| (E) CIRCUIT | 2 | -- 50 A | 17 | 0 | 0 | | | 18 | | | |
| | | | 19 | | | 0 | 0 | 20 | 20 A -- | 1 | (E) CIRCUIT |
| (E) CIRCUIT | 1 | -- 20 A | 21 | 0 | 0 | | | 22 | 20 A -- | 1 | (E) CIRCUIT |
| (E) CIRCUIT | 1 | -- 20 A | 23 | | | 0 | 0 | 24 | 20 A -- | 1 | (E) CIRCUIT |
| (E) CIRCUIT | 1 | -- 20 A | 25 | 0 | 0 | | | 26 | 20 A -- | 1 | (E) CIRCUIT |
| (E) CIRCUIT | 1 | -- 20 A | 27 | | | 0 | 0 | 28 | 20 A -- | 1 | (E) CIRCUIT |
| (E) CIRCUIT | 1 | -- 20 A | 29 | 0 | 0 | | | 30 | 20 A -- | 1 | (E) CIRCUIT |
| (E) CIRCUIT | 1 | -- 20 A | 31 | | | 0 | 0 | 32 | 20 A -- | 1 | (E) CIRCUIT |
| (E) CIRCUIT | 1 | -- 20 A | 33 | 0 | 0 | | | 34 | 20 A -- | 1 | (E) CIRCUIT |
| (E) CIRCUIT | 1 | -- 20 A | 35 | | | 0 | 0 | 36 | 20 A -- | 1 | (E) CIRCUIT |
| (E) CIRCUIT | 1 | -- 20 A | 37 | 0 | 0 | | | 38 | 20 A -- | 1 | (E) CIRCUIT |
| (E) CIRCUIT | 2 | -- 50 A | 39 | | | 0 | 0 | 40 | 50 A -- | 2 | (E) CIRCUIT |
| | | | 41 | 0 | 0 | | | 42 | | | |
| | | | | 0 VA | | 0 VA | | | | | |
| | | | | 0 A | | 0 A | | | | | |

**LEGEND:**
"G" INDICATES GFCI TYPE BREAKER
"F" INDICATES RED LOCK-ON HASP

| LOAD CLASSIFICATION | CONNECTED LOAD | DEMAND FACTOR | ESTIMATED... | PANEL TOTALS | |
|---|---|---|---|---|---|
| | | | | | |
| | | | | **TOTAL CONN. LOAD:** | 0 VA |
| | | | | **TOTAL EST. DEMAND:** | 0 VA |
| | | | | **TOTAL CONN.:** | 0 A |
| | | | | **TOTAL EST. DEMAND:** | 0 A |

**NOTES:**




2 GROUNDING ELECTRODE SYSTEM DETAIL
NOT TO SCALE

**GROUNDING ELECTRODE SYSTEM DETAIL NOTES:**

A. ALL AVAILABLE GROUNDING ELECTRODES WHICH ARE PRESENT AT THE BUILDING OR STRUCTURE SHALL BE BONDED TOGETHER TO FORM THE GROUNDING ELECTRODE SYSTEM (GES). ADDITIONAL CODE-REQUIRED GROUNDING CONNECTIONS NOT SHOWN SHALL BE PROVIDED. CONNECTIONS WHICH ARE ENCASED, UNDERGROUND, OR INACCESSIBLE SHALL BE EXOTHERMIC WELD.

B. ALL BONDING JUMPERS CONNECTING GROUNDING ELECTRODES TO THE GES SHALL BE SIZED EQUAL TO THE GROUNDING ELECTRODE CONDUCTOR (GEC) IN ACCORDANCE WITH NEC 250.53(C). OTHER BONDING JUMPERS SHALL BE SIZED AS OTHERWISE DESCRIBED IN NEC ARTICLE 250. CONDUCTORS SHALL BE BARE COPPER UNLESS OTHERWISE NOTED.

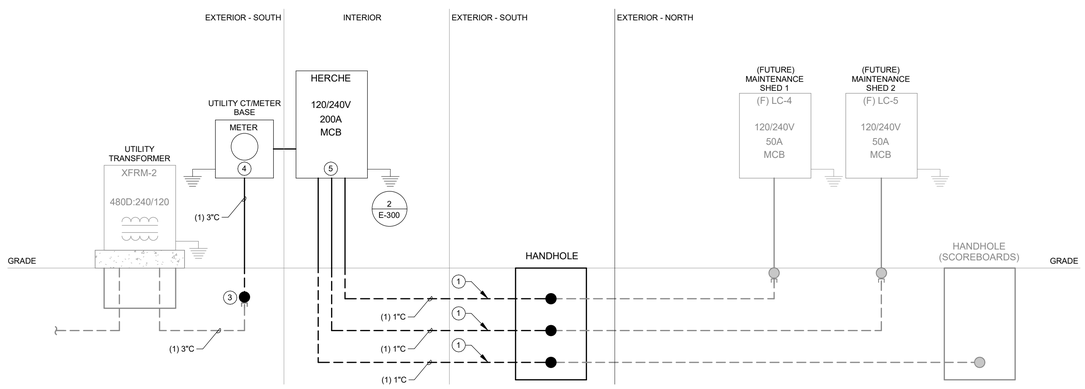
C. REFER TO SPECIFICATIONS FOR ADDITIONAL PRODUCT AND MATERIAL REQUIREMENTS. GROUNDING AND BONDING METHODS AND MATERIALS SHALL COMPLY WITH NEC ARTICLE 250.

D. REFER TO TECHNOLOGY DETAILS FOR ADDITIONAL REQUIREMENTS RELATED TO TELECOM GROUNDING.

* SIZE GROUNDING ELECTRODE CONDUCTOR AND BONDING PER NEC 250.66 AND TABLE BELOW. ALL CONDUCTORS TO BE COPPER.
TABLE BASED ON NEC 2020
TABLE 250.66 GROUNDING ELECTRODE CONDUCTOR FOR ALTERNATING-CURRENT SYSTEMS

| SIZE OF LARGEST UNGROUNDED CONDUCTOR OR EQUIVALENT AREA FOR PARALLEL CONDUCTORS (AWG/KCMIL) | | SIZE OF GROUNDING ELECTRODE CONDUCTOR (AWG/KCMIL) |
|---|---|---|
| COPPER | ALUMINUM OR COPPER-CLAD AL | COPPER |
| #2 OR SMALLER | #1/0 OR SMALLER | #8 |
| #1 OR #1/0 | #2/0 OR #3/0 | #6 |
| #2/0 OR #3/0 | #4/0 OR 250 | #4 |
| OVER #3/0 THROUGH 350 | OVER 250 THROUGH 500 | #2 |
| OVER 350 THROUGH 600 | OVER 500 THROUGH 900 | #1/0 |
| OVER 600 THROUGH 1100 | OVER 900 THROUGH 1750 | #2/0 |
| OVER 1100 | OVER 1750 | #3/0 |

** SIZE BONDING JUMPER PER NEC 250.102. USE TABLE ABOVE FOR ALL CONDUCTORS BETWEEN #2 AND 1100. ALL INCOMING CONDUCTORS OVER 1100 CU OR 1750 AL SHALL BE SIZED PER THE TABLE 250.102(C). SERVICE EQUIPMENT SHALL BE SUPPLIED WITH BONDING JUMPER FROM THE MANUFACTURER.




1 ONE-LINE DIAGRAM - HERCHE BUILDING ELECTRICAL DISTRIBUTION

| SERVICE RESPONSIBILITY MATRIX | | | | |
|---|---|---|---|---|
| **NOTES:** 1. ITEMS NOT LISTED ARE CONTRACTOR FURNISHED/CONTRACTOR INSTALLED UNLESS OTHERWISE NOTED. | | | | |
| **ABBREVIATIONS:** CP/CI : CONTRACTOR PROVIDED / CONTRACTOR INSTALLED. CP/UI : CONTRACTOR PROVIDED / UTILITY INSTALLED. UP/UI : UTILITY PROVIDED / UTILITY INSTALLED. UP/CI : UTILITY PROVIDED / CONTRACTOR INSTALLED. | | | | |
| LABEL | CP/CI | CP/UI | UP/UI | UP/CI |
| PRIMARY CONDUIT | ○ | | | |
| PRIMARY CONDUCTORS | | | ○ | |
| XFR PADVAULT | ○ | | | |
| SECONDARY CONDUIT TO CT & PANEL | ● | | | |
| CONDUCTORS XFR TO CT | | | ● | |
| CONDUCTORS CT TO PANEL | ● | | | |
| METER ENCLOSURE | ● | | | |
| METER | | | | ● |
| CT CABINET | ● | | | |
| CURRENT TRANSFORMERS | | | ● | |
| POTENTIAL TRANSFORMERS | | | ● | |
| CT TERMINATION, XFR to CT | | | ● | |
| SECONDARY TERMINATIONS | | | ● | |
| METER-CT CONDUIT | ● | | | |

TO BE COMPLETED UNDER BROADWAY FIELD RENOVATION CONTRACT

**SERVICE LOAD SUMMARY:**

| | |
|---|---|
| 12-MONTH UTILITY PEAK DEMAND | 9 KVA |
| NEC 220.87 (125%) | 11.25 KVA |
| (FUTURE) NEW LOAD, LC-4 | 4.3 KVA |
| (FUTURE) NEW LOAD, LC-5 | 4 KVA |
| NEW LOAD, SB-2, SB-3 | 0.34 KVA |
| TOTAL CONNECTED LOAD | 28.89 KVA |
| | 120 A @ 120/240V, 1PH, 3W |

**GENERAL NOTES:**

A. SCOPE INCLUDED UNDER THE HERCHE BUILDING RELOCATION PACKAGE OF CONSTRUCTION DOCUMENTS IS ONLY A PORTION OF THE WORK BEING PERFORMED AT THIS SITE. ADDITIONAL WORK WILL BE COMPLETED UNDER A SEPARATELY AWARDED CONTRACT FOR THE BROADWAY FIELD RENOVATION. COORDINATE FINAL INSTALLATION SCHEDULE AND MATERIALS WITH BROADWAY FIELD RENOVATION CONTRACTOR TO ENSURE ALL SYSTEMS ARE COMPLETE AND OPERABLE AT THE TIME OF PROJECT SUBSTANTIAL COMPLETION.

B. EXISTING ELECTRICAL UTILITY SERVICE EQUIPMENT WILL BE REMOVED AND RELOCATED UNDER THE BROADWAY FIELD RENOVATION CONTRACT. CONTACT PACIFIC POWER TO OBTAIN UTILITY DESIGN DRAWINGS AND TO COORDINATE FINAL INSTALLATION REQUIREMENTS, INSPECTIONS, AND CONNECTION OF THE UTILITY SERVICE TO THE HERCHE BUILDING POWER DISTRIBUTION SYSTEM.

CONTACT PACIFIC POWER:
MARILYN BROCKEY
JOURNEYMAN ESTIMATOR
(541) 861-6005
MARILYN.BROCKEY@PACIFICORP.COM

**KEYNOTES:** (#)

1. PROVIDE HANDHOLE 5FT BEYOND BUILDING FOOTPRINT. ROUTE CONDUIT UNDERGROUND TO HANDHOLE, MARK, AND PROVIDE WITH PULL STRING FOR EXTENSION TO SCOREBOARDS AND FUTURE MAINTENANCE SHEDS IN COORDINATION WITH BROADWAY FIELD RENOVATION PACKAGE.
2. INTERCEPT AND EXTEND CONDUIT INSTALLED UNDER BROADWAY FIELD RENOVATION CONTRACT TO CT/METER BASE. ENSURE INSTALLATION IS IN ACCORDANCE WITH ELECTRICAL UTILITY REQUIREMENTS. COORDINATE INSPECTIONS WITH UTILITY AND CONTRACTOR RESPONSIBLE FOR SCOPE UNDER BROADWAY FIELD RENOVATION PACKAGE.
3. REINSTALL SALVAGED CT/METER BASE ON BUILDING EXTERIOR IN ACCORDANCE WITH UTILITY REQUIREMENTS.
4. REINSTALL SALVAGED HERCHE BUILDING PANELBOARD. INTERCEPT AND EXTEND EXISTING BRANCH CIRCUITS AND RECONNECT TO EXISTING CIRCUIT BREAKERS. PROVIDE UPDATED TYPEWRITTEN PANEL SCHEDULE REFLECTING FINAL INSTALLED CONDITIONS.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DIAGRAMS & DETAILS

**E-300**

PERMIT SUBMITTAL