OREGON MANUFACTURING & INNOVATION CENTER

53207 CHARLES T PARKER WAY, SCAPPOOSE, OR 97056

BUILDING RETROFIT AND SITE UPGRADES

EDA Award Number: No. 07-01-07446

STANDARD ABBREVIATIONS

AB	Anchor bolts	FLG	Flashing	PAR	Parallel
ABV	Above	FLR	Floor	PC	Precast
ACS	Access	FLUR	Fluorescent	PCF	Pounds per cubic foot
ACT	Acoustic Ceiling Panel	FLX	Flexible	PERF	Perforate(d)
ACS	Acoustic(al)	FO	Face of	PERIM	Perimeter
AD	Area drain	FOB	Face of building	PERP	Perpendicular
ADA	Americans with Disabilities Act	FOC	Face of concrete	PL	Plate
ADDL	Additional	FOM	Face of masonry	PLAM	Plastic laminate
ADH	Adhesive	FOS	Face of steel	PLAS	Plaster
AFF	Above finish floor	FOW	Face of wall	PLAT	Platform
ALT	Alternate	FPF	Fireproofing	PLF	Pounds per linear foot
ALUM	Aluminum	FPL	Fireplaces	PMF	Premolded filler
ANOD	Anodized	FR	Frame(d) (ing)	PNL	Panel
APT	Apartment	FT	Foot, feet	PNT	Paint(ed)
ARCH	Architect(ural)	FTG	Footing	PR	Pair
ASPH	Asphalt(ic)	FUR	Furr(ed) furring	PROJ	Project
AVG	Average	FSR	Flexible sheet roofing	PRTD	Pressure Treated
				PSF	Pounds per square foot
BRD	Base board	GA	Gauge	PSI	Pounds per square inch
BD	Board	GAL	Gallon	PT	Point
BEL	Below	GALV	Galvanized	PTN	Partition
BIT	Bituminous	GC	General contractor	PV	Photovoltaic
BLDG	Building	GD	Grade, grading	PVMT	Pavement
BLKG	Blocking	GKT	Gasket	PWD	Plywood
BOS	Bottom of steel	GL	Glass		
BRKG	Bracing	GL'Z	Glazing, glazed	QT	Quarry tile
BRG	Bearing	GND	Ground	QTR	Quarter
BRK	Brick	GP	Gypsum		
BRKT	Bracket	GPDW	Gypsum drywall	R	Riser
BRZ	Bronze	GT	Grout	RBR	Rubber
BS	Both sides	GVL	Gravel	RBT	Rabbet
BSMT	Basement			RCB	Rubber Cove Base
BTW	Between	HA	Handicapped accessible	RD	Roof drain
BUR	Built-up roofing	HB	Hose bibb	REF	Reference
BVL	Beveled	HC	Hollow core	REFIN	Refinished
BYD	Beyond	HDBD	Hardboard	REFR	Refrigerator
		HDR	Header	REG	Register
C	Channel	HDWR	Hardware	REINF	Reinforcing(ment)
CBNT	Cabinet	HF	Horizontal each face	REQ'D	Required
CL	Center to center	HEW	Horizontal each way	RES	Resilient
CEM	Cement	HEX	Hexagonal	REV	Revise(d) (ion)
CFL	Counterflashing	HGT	Height	RFG	Roofing
CFT	Cubic foot	HIF	Horizontal inside face	RFL	Reflect(ed)
CHBD	Chalkboard	HK	Hook	RGTR	Register
CIP	Cast in place	HM	Hollow metal	RH	Right hand
CIRC	Circumference	HMDRF	Hollow metal door frame	RL	Rail(ing)
CJT	Control joint	HNDRL	Handrail	RM	Room
CL	Center line	HOF	Horizontal outside face	RMV	Remove(able)
CLG	Ceiling	HORZ	Horizontal	RO	Rough opening
CLO	Closet	HTG	Heating	RP	Reference point
CLR	Clear(ance)	HTR	Heater	RTN	Return
CMU	Concrete masonry units	HVAC	Htg/ventilating/air con	RVL	Reveal
CNTR	Counter	HW	Hot water		
COL	Column	HYD	Hydrant	S	South
COMB	Combination			SAB	Sound Attenuating Batts
COMPR	Compress(ed) (ion) (ible)	ID	Inside diameter	SB	Setting bed
CONC	Concrete	IN	Inch	SC	Solid core
CONN	Connect(or) (ion)	INCL	Include(d), (ing)	SCHD	Schedule
CONST	Construction	INS	Insulate(d) (ing) (ion)	SCN	Screen
CONT	Continuous	INT	Interior	SCOMP	Solid Composite Panel
CONTR	Contract(or)	INV	Invert	SCT	Storm drain
CPT	Carpet			SECT	Section
CRS	Course	J	Joist	SFP	Sprayed fireproofing
CRTW	Curtainwall	JT	Joint	SF	Square foot
CSMT	Casement			SFT	Shaft
CSWK	Casework	KIT	Kitchen	SHL	Shelf, shelving
CT	Ceramic tile	KPL	Kick plate	SHRG	Shoring
CTR	Center	KO	Knock out	SHT	Sheet
CW	Cold water			SIM	Similar
CYD	Cubic yard	L	Left	SKL	Skylight
		LCC	Lead Coated Copper	SLD	Solid
D	Drain	LAM	Laminated	SLNT	Sealant
DEMO	Demolition	LAV	Lavatory	SLV	Sleeve
DEPR	Depress(ed) (ion)	LBL	Label	SLT	Slate
DEPT	Department	LDR	Leader	SPEC	Specification(s)
DF	Drinking fountain	LH	Left hand	SPKR	Sprinkler
DH	Double hung	LIN	Linoleum	SQ	Square
DIAG	Diagonal	LMS	Limestone	SRFC	Surface
DIFF	Diffuser	LNG	Length, long	SST	Stainless steel
DIM	Dimension	LR	Living room	STAG	Staggered
DISP	Dispenser	LT	Light	STD	Standard
DIV	Division	LTG	Lighting	STFRNT	Storefront
DMPF	Dampproofing	LTH	Lath	STL	Steel
DN	Down	LVL	Lintel	STOR	Storage
DO	Ditto	LVR	Louver	STRUC	Structural
DPR	Damper			SUSP	Suspended
DR	Door	M	Meter	SW	Switch
DS	Downspout	MACH	Machine	SYM	Symmetrical
DT	Drain tile	MAS	Masonry	SYS	System
DWG	Drawing	MATL	Material	STN	Stone
DW	Towel	MAX	Maximum		
DWR	Drawer	MECH	Mechanical	T	Tread
		MED	Medium	T&G	Tongue and groove
E	East	MFR	Manufacturer	T/O	Throughout
EA	Each	MH	Manhole	TC	Terra cotta
EB	Expansion bolt	MIN	Minimum	TEL	Telephone
EF	Each face	MIR	Mirror	TEMP	Temporary
EJ	Expansion joint	MISC	Miscellaneous	THK	Thick(ness)
ELEV	Elevation	MKBD	Markerboard	THR	Threshold
ELAS	Elastomeric	MLDG	Molding	THRU	Through
ELEC	Electrical	MM	Millimeter	TKBD	Tackboard
EMER	Emergency	MMB	Membrane	TO	Top of
ENCL	Enclosure	MNT	Maintenance	TOS	Top of steel
ENTR	Entrance	MO	Masonry opening	TPTN	Toilet partition
EP	Electrical panel	MOD	Modular	TRANS	Transparent
EPDM	Ethylene Propylene Diene Terpolymer	MR	Moisture Resistant	TYP	Typical
EPS	Expanded polystyrene	MRB	Marble		
EPX	Epoxy	MRT	Mortar	UON	Unless otherwise noted
EQ	Equal	MT	Mount(ed)	UTIL	Utility
EQPT	Equipment	MTL	Metal(lic)		
EX	Existing	MTLTH	Metal lath	VB	Vapor barrier
EXH	Exhaust	MULL	Mullion	VBFM	Verify by field measurement
EXPO	Exposed	MWK	Millwork	VCB	Vinyl cove base
EXT	Exterior			VCT	Vinyl composition tile
		N	North	VENT	Ventilating
FA	Fire alarm	NAT	Natural	VIN	Vinyl
FAB	Fabricated, fabricator	NEO	Neoprene	VERT	Vertical
FAS	Fastener, fastened	NIC	Not in Contract	VNR	Veneer
FBD	Fiberboard	NOM	Nominal	VOL	Volume
FBO	Furnish by others	NTS	Not to scale		
FD	Floor drain	NUM	Number	W	West
FDN	Foundation			W/	With
FE	Fire extinguisher	OA	Outside air	W/O	Without
FEC	Fire extinguisher cabinet	OBS	Obscure	WD	Wood
FEF	Finish floor elevation	OC	On center	WDW	Window
FF	Finish floor	OD	Outside diameter	WF	Wide flange
FGD	Finish grade	OPNG	Opening	WGL	Wired glass
FGL	Fiberglass	OPP	Opposite	WPR	Waterproofing
FHC	Fire hose cabinet	OPPF	Opposite face	WS	Water stop
FIN	Finish	OPPH	Opposite hand	WSCT	Wainscot
		OPPS	Opposite side	WT	Weight
		O TO O	Out to out		
		OVHD	Overhead	YD	Yard
		OZ	Ounce		

AREA MAP - SCAPPOOSE, OREGON

SCALE NTS

DRAWING SYMBOLS

- ROOM# / ROOM — Room Number / Room Description
- 000 — Door Number
- A — Window Type
- 1A — Partition Detail
- 3 / A4.2 — Wall Section, Sheet No
- 3 / A4.2 — Building Section, Sheet No
- 3 / A4.2 — Detail, Sheet No
- 3 — Column Line
- \+ — Finish Floor Elevation (FFE) Plan
- Finish Floor Elevation (FFE) Sec/Elev
- 30° — Angle (Degrees)
- N / W / A0.00 / E / S — Interior Elevation
- 3 / A4.2 — Elevation, Sheet No
- 1 — Revision Mark
- 0'-0" / GPDW — Ceiling Info Elevation Material

MATERIAL SYMBOLS

- Walk-off Grate
- Clean, Compacted Fill
- Gravel
- Concrete
- Stone
- Brick
- Concrete Masonry Unit
- Steel
- Aluminum
- Rigid Insulation
- Batt Insulation
- Gypsum Drywall
- Finish Wood
- Wood Framing
- Wood Blocking
- Plywood

DRAWING LIST

CIVIL DRAWINGS (AKS)

C000 – COVER SHEET WITH SITE & VICINITY MAPS
C001 – GENERAL CONSTRUCTION NOTES
C002 – GENERAL CONSTRUCTION NOTES
C003 – EXISTING CONDITIONS PLAN
C050 – EROSION AND SEDIMENT CONTROL COVER SHEET
C051 – CLEARING, DEMOLITION, EROSION AND SEDIMENT CONTROL PLAN
C052 – GRADING, CONSTRUCTION, EROSION AND SEDIMENT CONTROL PLAN
C053 – EROSION AND SEDIMENT CONTROL DETAILS
C070 – GRADING PLAN
C071 – SURCHARGE GRADING PLAN
C072 – SURCHARGE DETAILS
C100 – SITE PLAN
C200 – STORMWATER DRAINAGE PLAN
C300 – COMPOSITE UTILITY PLAN
C500 – DETAILS
C501 – DETAILS
C502 – DETAILS
C503 – DETAILS
C504 – DETAILS
L100 – LANDSCAPING PLAN
L101 – LANDSCAPING DETAILS
L200 – IRRIGATION PLAN
L201 – IRRIGATION DETAILS

ARCHITECTURAL (AKAAN)

CS–1 – COVER SHEET
CS–2 – GENERAL NOTES & SPECIFICATIONS
FLS–1 – FIRE LIFE SAFETY PLANS OF EAST OFFICE AREA (FOR ROOM 201 CHANGE OF OCCUPANCY)
SP1.1 – ARCHITECTURAL SITE PLAN
SP1.2 – ARCHITECTURAL SITE DETAILS
A0.1 – FIRST FLOOR DEMOLITION PLAN
A0.2 – SECOND FLOOR DEMOLITION PLAN
A1.1 – FIRST FLOOR PLAN – EAST
A1.2 – FIRST FLOOR PLAN – WEST
A1.3 – SECOND FLOOR PLAN – EAST
A1.4 – SECOND FLOOR PLAN – WEST
A1.5 – ATTIC FLOOR PLAN
A2.1 – EXTERIOR ELEVATIONS
A2.2 – ENLARGED EXTERIOR ELEVATIONS – ENTRIES
A3.1 – BUILDING SECTIONS & DETAILS
A3.2 – EXTERIOR DETAILS
A3.3 – EXTERIOR DETAILS
A4.1 – ENLARGED PLANS – ELEVATOR & WHEELCHAIR LIFT, MISC. DETAILS
A4.2 – INTERIOR ELEVATIONS & DETAILS – CORRIDOR, RESTROOMS
A4.3 – INTERIOR ELEVATIONS & DETAILS – RECEPTION
A4.4 – DETAILS – RECEPTION
A4.5 – FINISH SCHEDULE & FIRST FLOOR FINISH PLAN
A4.6 – SECOND FLOOR FINISH PLAN & CORRIDOR REFLECTED CEILING PLANS
A5.0 – DOOR & HARDWARE SCHEDULES, TYPES & DETAILS
A5.1 – WINDOW TYPES & DETAILS

STRUCTURAL DRAWINGS (PSE)

S0.0 – GENERAL NOTES
S1.0 – SITE PLAN
S1.1 – 2ND FLOOR FRAMING PLAN
S1.2 – CEILING FRAMING PLAN
S2.0 – STRUCTURAL DETAILS
S2.1 – STRUCTURAL DETAILS
S2.2 – STRUCTURAL DETAILS

M/E/P DRAWINGS (FLUENT)

MECHANICAL
M0.00 – LEGEND & SCHEDULES
M1.00 – 1ST FLOOR MECHANICAL
M1.10 – 2ND FLOOR MECHCANICAL
M1.20 – ATTIC MECHANICAL
M2.00 – DETAILS

PLUMBING
P0.00 – PLUMBING LEGEND AND SCHEDULES
P1.00 – 1ST FLOOR PLUMBING
P1.10 – 2ND FLOOR PLUMBING
P1.20 – DETAIL VIEWS
P2.00 – PLUMBING DETAILS

ELECTRICAL
E0.00 – COVER SHEET & LEGENDS
E1.00 ELECTRICAL SITE PLAN
E311 FIRST FLOOR WEST WING POWER
E312 FIRST FLOOR EAST WING POWER
E321 SECOND FLOOR WEST WING POWER
E322 SECOND FLOOR EAST WING POWER
E411 FIRST FLOOR WEST WING LIGHTING
E412 FIRST FLOOR EAST WING LIGHTING
E421 SECOND FLOOR WEST WING LIGHTING
E422 SECOND FLOOR EAST WING LIGHTING
E612 FIRST FLOOR EAST WING TECHNOLOGY
E621 SECOND FLOOR WEST WING TECHNOLOGY
E622 SECOND FLOOR EAST WING TECHNOLOGY
E700 ELECTRICAL DETAILS

DEFERRED SUBMITTALS:

- FIRE SPRINKLER MODIFICATIONS: CONTRACTOR WILL PROVIDE DRAWINGS AND OTHER INFORMATION AS REQUIRED BY THE OSSC FOR THE MODIFICATIONS TO THE EXISTING SPRINKLER SYSTEM.
- ELEVATOR & ADA LIFT: CONTRACTOR WILL PROVIDE DRAWINGS AND OTHER INFORMATION AS REQUIRED BY THE OSSC FOR THE INSTALLATION OF THE ELEVATOR AND ADA LIFT.
- AIR CURTAIN: CONTRACTOR SHALL PROVIDE SUBMITTALS FOR PROJECT ENGINEER'S AND BUILDING OFFICIAL'S REVIEW OF PROPOSED METHOD OF ATTACHING AIR CURTAIN TO EXISTING STRUCTURE. CONTRACTOR SHALL COORDINATE WITH OVERHEAD DOOR INSTALLER AND OTHER AFFECTED TRADES.

GENERAL SCOPE OF WORK DESCRIPTION:

SITE:
UNDERGROUND UTILITY CONNECTIONS TO PUBLIC INFRASTRUCTURE INCLUDING CITY WATER, CITY SEWER, GAS, AND FIRE SPRINKLER SYSTEM CONNECTION TO CITY WATER AND MODIFICATIONS TO REMOVE EXISTING FIRE PUMP & FIRE SPRINKLER WATER SUPPLY STORAGE TANKS. CONSTRUCTION OF NEW ACCESS DRIVES, NEW PARKING LOT, PARKING LOT STORM SYSTEM, PARKING LOT LIGHTING, NEW MONUMENT SIGN, AND LANDSCAPING.

BUILDING MODIFICATIONS:
REMOVAL OF EXISTING OVERHEAD DOORS, REPLACE SOME WITH NEW DOORS, INFILL OTHERS WITH WALLS AND WINDOWS, MISCELLANEOUS OTHER MODIFICATIONS TO EXTERIOR, INSULATION AND NEW HEATING AND VENTILATION AND NEW LIGHTING FIXTURES TO ENTIRE SHOP FLOOR, (2) NEW OVERHEAD CRANES IN SHOP AREA, INSTALLATION OF ELEVATOR AND ADA LIFT TO UPPER OFFICE AREAS, AND MISCELLANEOUS RELATED RENOVATIONS.

FOR PERMIT

AKAAN
architecture + design llc
101 ST HELENS ST.
ST HELENS, OR 97051
T: 503 366 3050 F: 503 366 3055

REGISTERED ARCHITECT
WILLIAM ALLAN PETERSEN
ST. HELENS, OREGON
STATE OF OREGON

PROJECT TEAM:

CIVIL ENGINEER:
AKS ENGINEERING & FORESTRY
12965 SW Herman Road, Suite 100
Tualatin, OR 97062
P: 503.563.6151
F: 503.563.6152

STRUCTURAL ENGINEER:
PETERSON STRUCTURAL ENGINEERS
9400 SW Barnes Road, Suite 100
Portland, OR 97225
P. 503.292.1635

MEP ENGINEER:
FLUENT ENGINEERING INC.
2110 State Street
Salem, Oregon 97301
P. 503-447-5030

OWNER:
OMIC R&D / OREGON TECH.
Procurement and Contract Services
27500 SW Parkway Avenue
Wilsonville, OR 97070

OWNER'S REPRESENTATIVE:
CRAIG CAMPBELL, Executive Director
OMIC R&D
33701 Charles T. Parker Way
Scappoose, Oregon 97056
503-983-0573

OREGON MANUFACTURING INNOVATION CENTER R & D
33701 Charles T. Parker Way
Scappoose, Oregon 97056

SCALE: AS NOTED
DRAWN BY: KP
CHECKED BY: -
CAD FILE: 1404_A00.DWG
DATE:

REVISIONS

△	DATE	DESCRIPTION
1	03/23/2020	PER BLDG OFF REQ

CONTENTS:

DRAWING LIST, SYMBOLS LOCATION MAP

SHEET NO:

CS-1

GENERAL NOTES

GENERAL REQUIREMENTS

EXISTING SITE CONDITIONS AND RESTRICTIONS: CONDUCT DEMOLITION AND CONSTRUCTION ACTIVITIES IN COOPERATION WITH OWNER WHO WILL OCCUPY BUILDING DURING CONSTRUCTION.

VEHICULAR ACCESS AND PARKING: AS DETERMINED BY PROPERTY OWNER.

PERMITS AND FEES: THE CONTRACTOR SHALL APPLY FOR, OBTAIN, AND PAY FOR PERMITS, CERTIFICATE OF OCCUPANCY, FEES, LICENSES, AND UTILITY COMPANY CHARGES REQUIRED TO PERFORM THE WORK. SUBMIT COPIES TO OWNER.

CODES: COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS OF AUTHORITIES HAVING JURISDICTION INCLUDING BUT NOT LIMITED TO COLUMBIA COUNTY BUILDING CODES, CITY OF SCAPPOOSE LAND USE AND BUILDING DEPARTMENT, OREGON RESIDENTIAL SPECIALTY CODE, (LATEST EDITION) O.S.H.A. HEALTH AND SAFETY REGULATIONS, POLICE, FIRE DEPARTMENT AND RESCUE SQUAD RULES, D.E.Q. REGULATIONS, LOCAL UTILITY COMPANY RULES, AND THE OREGON UTILITY NOTIFICATION RULES.

DESIGN LOADS: LOADS AND CODE RESTRICTIONS FOR ALL DESIGN CONSIDERATIONS SHALL TO CONFORM TO ALL ORDINANCES AND STATE AND LOCAL BUILDING CODES (LATEST EDITION).

TEST REPORTS AND INSPECTIONS: SUBMIT IN DUPLICATE EACH BUILDING INSPECTORS REPORT, MATERIALS TEST, OR SIMILAR QUALITY-CONTROL SERVICE PERFORMED. SUBMIT COPIES OF INSPECTION REPORTS, NOTICES AND SIMILAR COMMUNICATIONS TO OWNER.

INTENT: DRAWINGS AND SPECIFICATIONS ARE INTENDED TO PROVIDE THE BASIS FOR PROPER COMPLETION OF THE WORK SUITABLE FOR THE INTENDED USE. ANYTHING NOT EXPRESSLY SET FORTH BUT WHICH IS REASONABLY IMPLIED OR NECESSARY FOR PROPER PERFORMANCE OF THE PROJECT SHALL BE INCLUDED.

UNLESS OTHERWISE NOTED PROVIDE THE MANUFACTURER'S RECOMMENDED STANDARD ACCESSORIES, SEAL ANTS, FASTENERS, AND OTHER PRODUCTS FOR PROPER INSTALLATION.

MANUFACTURER'S AND INDUSTRY STANDARDS: INSTALL ALL MATERIALS, MANUFACTURED ITEMS AND EQUIPMENT IN STRICT ACCORDANCE WITH MANUFACTURER'S OR APPLICABLE INDUSTRY AGENCY'S LATEST PUBLISHED RECOMMENDED SPECIFICATIONS OR THOSE REFERENCED HEREIN. IN THE EVENT OF CONFLICT BETWEEN SPECIFICATIONS AND DRAWINGS AND INDUSTRY STANDARDS NOTIFY THE ARCHITECT IN WRITING BEFORE PROCEEDING WITH THE WORK. THE MANUFACTURER'S OR INDUSTRY AGENCY'S SPECIFICATIONS OR RECOMMENDATIONS SHALL GOVERN UNLESS THE ARCHITECT ORDERS IN WRITING A DEVIATION SUBSEQUENT TO SUCH NOTICE.

DELIVERY, STORAGE, AND HANDLING: PROTECT ALL MATERIALS FROM PHYSICAL DAMAGE AND FROM DETERIORATION BY MOISTURE, SOILING, AND OTHER SOURCES. STORE IN A DRY LOCATION AND COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS FOR HANDLING, STORING, AND PROTECTING DURING AND AFTER INSTALLATION.

EXISTING CONDITIONS: BEFORE DOING ANY WORK THE CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS AND NOTIFY ARCHITECT OF EXISTING CONDITIONS DIFFERING FROM THOSE INDICATED ON DRAWINGS. RESULTING ERRORS CAUSED BY THE FAILURE TO EXERCISE SUCH PRECAUTIONS SHALL NOT BE CONSIDERED SUBSEQUENTLY AS A BASIS FOR ADDITIONAL COMPENSATION.

DIMENSIONS: DO NOT SCALE DRAWINGS. VERIFY DIMENSIONS INDICATED ON DRAWINGS WITH FIELD DIMENSIONS, NOTIFY ARCHITECT OF DISCREPANCIES PRIOR TO CONTINUING WORK.

COORDINATION: COORDINATE WITH OTHER TRADES PRIOR TO EACH PHASE OF WORK. VERIFY THAT RELATED CONSTRUCTION HAS BEEN COMPLETED PRIOR TO COMMENCEMENT OF WORK.

INSPECT SUBSTRATES AND REPORT UNSATISFACTORY CONDITIONS IN WRITING. DO NOT PROCEED UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED. START OF WORK CONSTITUTES ACCEPTANCE OF EXISTING CONDITIONS AND SUBSTRATES.

PROVIDE OPENINGS, AND REINFORCING AS REQUIRED FOR CHASES, SLEEVES, AND SIMILAR PROVISIONS IN WALLS, PARTITIONS, FLOORS, AND OTHER CONSTRUCTION AS NEEDED.

TAKE FIELD MEASUREMENTS PRIOR TO FABRICATION. FORM TO REQUIRED SHAPES AND SIZES WITH TRUE EDGES, LINES AND ANGLES. PROVIDE INSERTS AND TEMPLATES AS NEEDED FOR WORK OF OTHER TRADES.

INSTALL MATERIALS IN PROPER RELATION WITH ADJACENT CONSTRUCTION AND WITH PROPER APPEARANCE.

RESTORE ITEMS DAMAGED DURING INSTALLATION. REPLACE ITEMS WHICH CANNOT BE RESTORED AT NO ADDITIONAL EXPENSE TO THE OWNER.

CLEAN AND PROVIDE MAINTENANCE ON COMPLETED CONSTRUCTION AS FREQUENTLY AS NECESSARY THROUGH THE REMAINDER OF THE CONSTRUCTION PERIOD. ADJUST AND LUBRICATE OPERABLE COMPONENTS TO ASSURE OPERABILITY WITHOUT DAMAGING EFFECTS.

PROTECT INSTALLED MATERIALS FROM DAMAGE. PROVIDE TEMPORARY COVERINGS OR ENCLOSURES WHERE INSULATION IS SUBJECT TO ABUSE AND CANNOT BE CONCEALED AND PROTECTED BY PERMANENT CONSTRUCTION IMMEDIATELY AFTER INSTALLATION.

MOUNTING HEIGHTS: WHERE MOUNTING HEIGHTS ARE NOT INDICATED, INSTALL INDIVIDUAL COMPONENTS AT STANDARD MOUNTING HEIGHTS RECOGNIZED WITHIN THE INDUSTRY FOR THE PARTICULAR APPLICATION INDICATED. REFER QUESTIONABLE MOUNTING HEIGHT DECISIONS TO THE OWNER FOR FINAL DECISION.

TEMPORARY TRASH STORAGE AND REMOVAL: CONTRACTOR SHALL MAKE PROVISIONS AND COORDINATE WITH THE OWNER FOR FOR THE STORAGE AND REMOVAL OF ALL CONSTRUCTION DEBRIS AND SHALL PAY FOR ALL ASSOCIATED COSTS.

CONTRACTOR TO PROVIDE ALL TEMPORARY LIGHTING AS REQUIRED.

THROUGHOUT CONSTRUCTION KEEP THE PROJECT SITE CLEAN AND NEAT. DO NOT ALLOW HAZARDOUS, DANGEROUS, OR UNSANITARY CONDITIONS OR PUBLIC NUISANCES TO DEVELOP OR PERSIST ON THE SITE.

APPROVAL OF WORK: PRESENCE OF THE OWNER ON THE JOB DOES NOT IMPLY APPROVAL OR ACCEPTANCE O THE WORK. CALL SPECIFIC ITEMS TO ARCHITECT'S ATTENTION IF APPROVAL OF THOSE ITEMS IS REQUESTED.

WARRANTEES: MANUFACTURERS STANDARD WARRANTEES SHALL APPLY TO ALL PRODUCTS INSTALLED. WHERE REQUIRED CONTRACTOR SHALL VERIFY THAT ALL PRODUCTS ARE INSTALLED IN A MANNER THAT COMPLIES WITH THE CONDITIONS OF THE MANUFACTURER'S WARRANTEE AND COMPLIES WITH MANUFACTURER'S S WRITTEN INSTALLATION INSTRUCTIONS.

AT COMPLETION OF THE PROJECT AND PRIOR TO FINAL ACCEPTANCE PROVIDE A COMPLETE SET MANUFACTURER'S STANDARD WARRANTEES AND OPERATION AND MAINTENANCE INSTRUCTIONS. DEMONSTRATE TO THE OWNER PROCEDURES AND MAINTENANCE OF ALL EQUIPMENT.

MISCELLANEOUS NOTES & SPECIFICATIONS

WOOD FRAMING:

FOR ADDITIONAL INFORMATION SEE STRUCTURAL DRAWINGS AND SPECIFICATIONS.

ALL WOOD IN PERMANENT CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED PER NDS SPECIFICATIONS AND IN ACCORDANCE WITH ALL LOCAL CODES AND REGULATIONS.

ALL INTERIOR WOOD FRAMING SHALL BE KILN DRY LUMBER DOUGLAS FIR #2 OR BETTER UNLESS NOTED OTHERWISE.

ALL BEAMS SHALL HAVE A MINIMUM BEARING WIDTH OF 3"

ALL FLOOR BEAMS SHALL HAVE TRIPPLE STUDS UNDERNEATH BEARING POINT WITH POSITIVE CONNECTION.

FLOOR SYSTEM: ALL FLOORS SHALL BE COVERED WITH 23/32" MIN. APA RATED T&G PANELS OR TO MATCH EXISTING FLOOR SHEATHING, GLUED AND ATTACHED WITH 10d NAILS. NAILS SPACED AT 6" O.C. MIN. AT PANEL EDGES AND 12" O.C. ELSEWHERE.

PARTICLE BOARD UNDERLAYMENT: ANSI A208.1, GRADE M-2, EXTERIOR GLUE COMPLYING WITH GRADE PBU.

SPRAY FOAM INSULATION:

1. SPRAY POLYURETHANE FOAM: TWO- COMPONENT SPRAY POLYURETHANE CELLULAR PLASTIC FOAM, MEETING THE FOLLOWING PHYSICAL PROPERTIES:
   - CORE DENSITY (ASTM D1622): MINIMUM 2PCF
   - THERMAL RESISTANCE (ASTM C518): 140DEGREEF/90DAY AGED R-VALUE, MEASURED AT 75F MEAN TEMP: MINIMUM R6.0/INCH.
   - FLAME SPREAD (ASTM E84, CLASS A): 25 OR LESS.
   - SMOKE DEVELOPED (ASTM E84, CLASS A): 450 OR LESS.
   - COMPRESSIVE STRENGTH MINIMUM: 20 PSI.
   - CLOSED CELL CONTENT (ASTM D2856): MINIMUM 95 PERCENT.
   - WATER ABSORPTION BY VOLUME MAXIMUM. (ASTM D2842): 2.5 PERCENT.
   - WATER VAPOR PERMEABILITY MAXIMUM. (ASTM E96): 2.5 PERM-INCHES
2. ACCEPTABLE PRODUCTS "STYROFOAM" SPRAY POLYURETHANE FOAM INSULATION (MX SERIES) OR APPROVED EQUAL.
3. PREPARATION: FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR SURFACES CONDITIONS AND PREPARATION. OILY STEEL SURFACE LIKE Z-BAR, ROOF DECK, CURTAIN WALL PAN, ALUMINUM TUBE OR PVC PIPES CLEANING, ETCHING OR A PRIMER MAY BE NEEDED BEFORE SPRAYING POLYURETHANE FOAM.
4. MASK AND COVER ADJACENT AREAS TO PROTECT FROM OVERSPRAY. APPLY ANY REQUIRED PRIMERS FOR SPECIAL CONDITIONS AS RECOMMENDED BY MANUFACTURER. CLEAN AREA OF WORK PRIOR TO APPLICATION OF SPRAYED INSULATION. POST ALL REQUIRED WARNING SIGNS.
5. VERIFY EXISTING CONDITIONS ARE READY TO RECEIVE WORK ENSURE SURFACES ARE FREE OF FROST, OIL, GREASE, OXIDATION, DIRT, LOOSE PAINT, LOOSE SCALE, OR OTHER DELETERIOUS MATERIAL THAT WOULD IMPAIR BOND. ENSURE THAT ITEMS REQUIRED TO PENETRATE SPRAYED INSULATION ARE INSTALLED PRIOR TO INSTALLATION OF SPRAYED INSULATION.
6. INSTALL FOAM PER MANUFACTURER'S SPECIFICATIONS WITH EQUIPMENT APPROVED BY THE FOAM MANUFACTURER FOR TYPE OF APPLICATION.
7. IMMEDIATELY CLEAN ANY OVER-SPRAY PER MANUFACTURE'S INSTRUCTIONS WITHOUT CAUSING DAMAGE.

POWER DOOR OPERATORS:

1. BASIS OF DESIGN PRODUCT: POWER DOOR OPERATORS FOR EXTERIOR SWINGING DOOR(S) – NORTON / ASSA-ABLOY 6300 SERIES LOW ENERGY OPERATOR.
2. DOOR OPERATOR SHALL SIMULATE CONVENTIONAL DOOR CLOSER OPENING AND CLOSING FORCES UNLESS THE POWER OPERATOR MOTOR IS ACTIVATED.
3. OPERATOR SHALL HAVE SELECTABLE POWER CLOSE TO PROVIDE ADDITIONAL CLOSING FORCE TO OVERCOME CONDITIONS THAT MAY PREVENT DOOR FROM LATCHING.
4. THE UNIT SHALL BE ADJUSTABLE TO PROVIDE COMPLIANCE WITH THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA). UNIT SHALL BE CERTIFIED BY BHMA TO MEET A156.19 REQUIREMENTS. UNIT SHALL BE U.L. LISTED FOR AUTOMATIC CLOSING DOOR AND MEET UL325/991, UL10C STANDARDS.
5. UNIT SHALL HAVE A THREE-POSITION SELECTOR MODE SWITCH THAT WILL PERMIT THE UNIT TO BE SWITCHED "ON" TO MONITOR FOR FUNCTION INPUTS, SWITCH TO "H/O" FOR INFINITE HOLD OPEN FUNCTION OR SWITCHED "OFF" WHICH WILL DISABLE FUNCTION INPUTS ALLOWING UNIT TO BE USED AS A MANUAL DOOR CLOSER.
6. DOOR OPERATOR OPENING FORCE AND SPEED SHALL BE ADJUSTABLE TO ENSURE ADEQUATE OPENING CONTROL PER ACCESSIBILITY CODES. DOOR OPERATOR SHALL HAVE AN ADJUSTABLE TO CUSHION THE DOOR SPEED IF OPENED VIOLENTLY.
7. DOOR CLOSING FORCE SHALL BE ADJUSTABLE TO ENSURE ADEQUATE CLOSING CONTROL. DOOR CLOSING SPEED SHALL BE CONTROLLED BY INDEPENDENTLY FOR THE SWEEP AND LATCH RANGE OF THE CLOSING CYCLE.
8. DOOR OPERATOR SHALL BE SELECTIVELY ACTIVATED BY EXTERNAL INITIATING DEVICE, I.E. WALL SWITCH, ETC.
9. UNIT SHALL INCLUDE FEATURE TO AUTOMATICALLY RECOGNIZE ABLED BODY TRAFFIC AND IMMEDIATELY TRIGGER DOOR TO CLOSE AFTER SENSING NO FORCES ON DOOR.
10. UNIT SHALL HAVE DELAY SWITCHES FOR MOTOR ACTIVATION, ELECTRIC LOCK INTERFACING, AND HOLD OPEN TIME. UNITS SHALL INTERFACE WITH LATCH ASSIST EXIT DEVICES OR SIMILAR PRODUCTS AND HAVE 24VDC @ 1.3A MAXIMUM (LESS ACCESSORIES) OUTPUT FOR CONNECTION OF ELECTRIC STRIKE, LOCK, RADIO FREQUENCY RECEIVER, ETC.
11. UNITS SHALL BE CAPABLE OF VESTIBULE SEQUENCING INPUT FOR OPERATION OF TWO OR MORE UNITS. UNIT SHALL BE CAPABLE OF SMOKE VENTILATION INPUTS TO POWER OPEN DOORS WHEN ACTIVATED BY FIRE OR SMOKE ALARM. UNIT SHALL BE ETL TESTED TO UL STANDARDS FOR AUTOMATIC CLOSING DOOR.
12. FOR POWER OPERATOR FUNCTION: WHEN ACTIVATED, THE UNIT SHALL POWER OPEN THE DOOR AT BOTH A SPEED AND FORCE THAT ARE ADJUSTABLE TO ACCESSIBILITY CODES. THE DOOR SHALL BE POWERED FROM A DOOR CLOSED POSITION TO A FULL DOOR OPEN POSITION AND REMAIN IN MOMENTARY HOLD OPEN FOR 5 SECONDS MINIMUM AND ADJUSTABLE 0 TO 30 SECONDS IN 1 SECOND INCREMENTS. UNIT SHALL POWER OPEN DOOR TO FULL OPEN POSITION UP TO110°. UNIT SHALL BE CAPABLE OF OPENING DOOR MANUALLY FROM 110° – 180°. ONCE UNIT REACHES FULL HOLD OPEN POSITION, IF REINITIATED, UNIT'S MOMENTARY HOLD OPEN TIME SHALL RESTART FROM THE MAXIMUM SET TIME. IF UNIT IS INITIATED DURING THE CLOSING CYCLE, UNIT SHALL REVERT TO OPENING CYCLE BEGINNING AT THAT DOOR POSITION. UNIT SHALL HAVE A TOGGLED HOLD OPEN INPUT THAT UPON FIRST INITIATION WILL POWER DOOR TO A MAINTAINED HOLD OPEN POSITION; A SECOND INITIATION WILL ALLOW DOOR TO CLOSE.
13. UNIT SHALL HAVE OBSTRUCTION DETECTION ON CLOSING, WHICH WILL REVERSE THE CLOSING DOOR TO THE FULL OPEN POSITION THEN RE-ATTEMPT TO CLOSE DOOR AFTER MOMENTARY HOLD OPEN TIME HAS ELAPSED. OBSTRUCTION DETECTION ON OPENING SHALL SHUT MOTOR OFF, ALLOWING DOOR TO CLOSE UNDER SPRING FORCE. THESE OBSTRUCTION DETECTION FEATURES SHALL BE INTEGRAL TO UNIT. DURING CLOSING CYCLE, THE UNIT SHALL CLOSE DOOR UNDER FULL SPRING POWER NOT TO EXCEED A CLOSING FORCE OF 15 LBF.

VIDEO SURVEILLANCE SYSTEM:

PROVIDE AND INSTALL VIDEO SURVEILLANCE SYSTEM AS DESCRIBED BELOW.

PROVIDE CABLING AS DESCRIBED IN PROJECT MANUAL AND PER THE BELOW.

WHERE THERE ARE EXISTING CABLE RUNS TO EXISTING CAMERAS, AND EXISTING CABLES ARE CAPABLE TO PROVIDE P.O.E. (POWER OVER ETHERNET) SERVICE TO NEW CAMERAS EXISTING CABLES MAY BE UTILIZED.

FOR NEW CABLE RUNS PROVIDE P.O.E. CAT6 OR CAT6E CABLES TO EACH CAMERA LOCATION IN LENGTHS OF LESS THAN 300'.

CABLES CAN BE ROUTED TO EITHER EAST SIDE DISTRIBUTION RACK OR WEST SIDE PRIMARY SERVER RACK.

SUBMITTALS: PROVIDE MANUFACTURE'S DATA FOR ALL SYSTEM HARDWARE, CABLING, CABLE ATTACHMENTS, AND MOUNTING HARDWARE.

VERIFY ALL MOUNTING LOCATIONS, MOUNTING HEIGHTS, CAMERA AIMING, AND AND ANY EXPOSED WIRES WITH ARCHITECT AND OWNER PRIOR TO RUNNING CABLES AND INSTALLING HARDWARE.

IN SHOP (HIGH BAY) INSTALL ALL CABLING IN CONDUIT UNLESS PRIOR APPROVAL IS OBTAINED FOR EXPOSED WIRE MOUNTING.

PROVIDE THE FOLLOWING HARDWARE:
- OUTDOOR CAMERAS: UNIFI G4 PRO
- SHOP CAMERAS (HIGH BAY): UNIFI G3 PRO
- INTERIOR CAMERAS G3 FLEX FOR CEILING OR WALL MOUNT
- RECORDING DEVICE: CLOUD KEY GEN2 PLUS W/ MIN 4TB HARD DRIVE
- ACCESSORY: CLOUD KEY G2 RACK MOUNT ACCESSORY

OWNERS I.T. SUPPORT PERSONNEL WILL CONFIGURE SYSTEM AFTER SYSTEM IS INSTALLED.

FIRE PROTECTION SYSTEM:

1. FOR ADDITIONAL SPECIFICATIONS SEE PROJECT MANUAL.
2. QUALITY ASSURANCE: DESIGN AND INSTALLATION SHALL CONFORM TO LOCAL BUILDING CODES AND NFPA-13.
3. SUBMITTALS: FIRE SPRINKLER INSTALLER SHALL BE RESPONSIBLE FOR SUPPLYING DESIGN AND DOCUMENTATION OF FIRE PROTECTION SYSTEM ALTERATIONS FOR ARCHITECT AND PLAN REVIEW.
4. REGULATORY REQUIREMENTS: PRODUCT DATA, AND SHOP DRAWINGS SHALL BEAR A STAMP OF THE APPROVAL OF THE AUTHORITIES HAVING JURISDICTION INCLUDING BUT NOT LIMITED TO THE LOCAL BUILDING DEPARTMENT AND LOCAL FIRE MARSHAL.
5. THE FIRE SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN/INSTALLATION DRAWINGS. THE DESIGN SHALL COMPLY WITH NFPA-13, LATEST ADOPTED EDITION, AS WELL AS STATE AND LOCAL CODES THAT ARE APPLICABLE.
6. CONTRACTOR SHALL OBTAIN STATIC AND RESIDUAL WATER PRESSURE AND FLOW DATA PRIOR TO SYSTEM DESIGN AND SHALL SUBMIT RECENT FLOW TEST DATA WITH DRAWINGS AND CALCULATIONS.
7. ALL DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND SEALED BY THE FIRE SPRINKLER CONTRACTOR'S REGISTERED FIRE SPRINKLER DESIGNER/ENGINEER.
8. SPRINKLER SYSTEM INSTALLATION CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO PLANS REVIEW OFFICE FOR REVIEW, VERIFICATION, AND PERMANENT RECORD PRIOR TO INSTALLATION.
9. INSTALLATION CONTRACTOR SHALL PERFORM ALL REQUIRED PRESSURE AND ACCEPTANCE TESTING. MATERIAL AND TEST CERTIFICATE(S) SHALL BE SUBMITTED TO THE AUTHORITIES HAVING JURISDICTION PRIOR TO ASKING FOR APPROVAL OF THE INSTALLATION. COPIES SHALL BE SUBMITTED TO OWNER AND ARCHITECT.
10. COORDINATE INSTALLATION OF SPRINKLERS AND PIPING SYSTEMS TO AVOID FREEZING CONDITIONS. NOTIFY ARCHITECT OF AREAS FOR WHERE SYSTEM MAY BE EXPOSED TO FREEZING. INSTALL DRY SPRINKLERS IN ROOMS THAT MAY BE UNCONDITIONED OR EXPOSED TO FREEZING CONDITIONS. PROVIDE AUXILIARY DRAINS WHERE REQUIRED.
11. INSTALLATION CONTRACTOR SHALL INSPECT SITE AND CHECK ALL EXISTING CONDITIONS PRIOR TO BIDDING AND COORDINATE FIRE SPRINKLER INSTALLATION WITH EXISTING CONDITIONS. CONTRACTOR SHALL NOTIFY OWNER AND ARCHITECT OF ANY CONDITIONS THAT MAY CONFLICT WITH FIRE SPRINKLER INSTALLATION.
12. ARCHITECTURAL DRAWINGS ARE SCHEMATIC IN NATURE, INTENDED TO CONVEY THE SCOPE OF WORK AND GENERAL ARRANGEMENT OF THE SYSTEM. SPRINKLER SYSTEMS CONTRACTOR SHALL COORDINATE SPRINKLER SYSTEM ARRANGEMENT WITH ARCHITECTURAL STRUCTURAL, MECHANICAL AND ELECTRICAL COMPONENTS. SPRINKLER PIPING SHALL NOT BE INSTALLED BELOW MECHANICAL EQUIPMENT OR WITHIN CLEARANCE SPACES FOR MECHANICAL EQUIPMENT. INSTALLATION CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MODIFICATIONS TO THE SYSTEM TO AVOID CONFLICTS.
13. SUBMITTALS: PROVIDE DETAILED PIPE LAYOUT, HANGER AND SUPPORTS, COMPONENTS AND ACCESSORIES. SUBMIT SHOP DRAWINGS, PRODUCT DATA TO AUTHORITY HAVING JURISDICTION AND FIRE MARSHAL FOR APPROVAL PRIOR TO SUBMISSION TO ARCHITECT.
14. PRODUCTS: ALL PRODUCTS AND SYSTEM COMPONENTS AND METHODS OF HANGING PIPE, HEADERS, BRANCHES, AND BRACING SHALL BE APPROVED AND IN CONFORMANCE WITH NFPA-13. FOR PRODUCTS NOT LISTED IN NFPA-13 CONTRACTOR SHALL SUBMIT WHITE PAPERS OR OTHER APPROVAL DOCUMENTS FROM UNDERWRITERS LABORATORIES AND BEAR THE UL MARK.
15. MATERIAL SUBMITTALS SHALL BE SUBMITTED TO ARCHITECT FOR APPROVAL PRIOR TO ANY INSTALLATION.

Generated by COM*check*-*Web* Software

Envelope Compliance Certificate

Section 1: Project Information

Energy Code: **2014 Oregon Energy Efficiency Specialty Code**
Project Title: OMIC R&D Retrofit
Project Type: Alteration
Envelope Compliance Method: Prescriptive

Construction Site:	Owner/Agent:	Designer/Contractor:
33701 Charles T Parker Way Scappoose, Oregon 97051	Oregon Manufacturing & Innovation Center R&D 33701 Charles T Parker Way Scappoose, Oregon 97056 503-543-3306	AKAAN Architecture + Design LLC 101 St Helens Street St Helens, Oregon 97051 5033863050 alpetersen@akaandesign.com

Building Location (for weather data): Scappoose, Oregon
Climate Zone: 4c
Pct. Window and Glass Door Area Replaced: **20%**

Building Use: Area Type	**Floor Area**
1-High Bay / Machine Floor (Manufacturing Facility/Data Center) : Nonresidential	27000

Section 2: Envelope Assemblies and Requirements Checklist

Envelope PASSES

Envelope Assemblies:

Post-Alteration Assembly	R-Value Cavity	R-Value Cont.	Proposed U-Factor	Proposed SHGC	Max. Allowed U-Factor	Max. Allowed SHGC
Roof: Metal Building, Screw Down, [Bldg. Use 1 - High Bay / Machine Floor]	26.0	11.4	0.046	---	0.055	---
Ext. Wall: Metal Building Wall, [Bldg. Use 1 - High Bay / Machine Floor]	21.0	13.0	0.035	---	0.089	---
Door: Insulated Metal, Non-Swinging, [Bldg. Use 1 - High Bay / Machine Floor]	---	---	0.380	---	0.500	---
Window: Metal Frame, Clear, [Bldg. Use 1 - High Bay / Machine Floor], Exemption: Less than 25% fenestration area alteration.	---	---	---	---	---	---
Window: Metal Frame, Clear, [Bldg. Use 1 - High Bay / Machine Floor], Exemption: Less than 25% fenestration area alteration.	---	---	---	---	---	---

(a) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.

In the following requirements, blank checkboxes identify requirements that the applicant has not acknowledged as being met. Checkmarks identify requirements that the applicant acknowledges are met or excepted from compliance. 'Plans reference page/section' identifies where in the plans/specs the requirement can be verified as being satisfied.

Fenestration Product Rating:

✔ 1. U-factors of fenestration products (windows, doors and skylights) are determined in accordance with NFRC 100 by an accredited, independent laboratory, and labeled and certified by the manufacturer or are determined using the commercial size category values listed in Chapter 15 of the 2009 ASHRAE Handbook of Fundamentals, Table No.4 and shall include the effects of the window frame. The temporary label affixed to the fenestration products must not be removed prior to inspection.

Plans reference page/section: Project Manual - Division 08-45-23 & 08-51-13

✔ 2. Solar heat gain coefficient (SHGC) of glazed fenestration products (windows, glazed doors and skylights) shall be determined in accordance with NFRC 200 by an accredited, independent laboratory, and labeled and certified by the manufacturer or be determined using the Solar Heat Gain Coefficients (SHGC) in Chapter 15 of the 2009 ASHRAE Handbook of Fundamentals, Table No.10. The overall values must consider type of frame material and operator for the SHGC at normal incidence.

Plans reference page/section: Project Manual - Division 08-45-23 & 08-51-13

Air Leakage, Insulation, and Component Certification:

Project Title: OMIC R&D Retrofit
Data filename:
Report date: 02/03/20
Page 1 of 3

✔ 3. Sealing of the building envelope. Openings and penetrations in the building envelope are sealed with caulking materials or closed with gasketing systems compatible with the construction materials and location. Joints and seams are sealed in the same manner or taped or covered with a moisture vapor-permeable wrapping material. Sealing materials spanning joints between construction materials allow for expansion and contraction of the construction materials.

Plans reference page/section: Project Manual - Division 08-45-23 & 08-51-13

✔ 4. Window and door assemblies. The air leakage of window and sliding or swinging door assemblies that are part of the building envelope are determined in accordance with AAMA/WDMA/CSA 101/I.S.2/A440, or NFRC 400 by an accredited, independent laboratory, and labeled and certified by the manufacturer.

Plans reference page/section: Project Manual - Division 08-45-23 & 08-51-13

✔ 5. Curtain wall, storefront glazing and commercial entrance doors. Curtain wall, storefront glazing and commercial-glazed swinging entrance doors and revolving doors are tested for air leakage in accordance with ASTM E 283. For curtain walls and storefront glazing, the maximum air leakage rate is 0.3 cubic foot per minute per square foot of fenestration area. For commercial glazed swinging entrance doors and revolving doors, the maximum air leakage rate is 1.00 cfm/ft2 of door area.

Plans reference page/section: Project Manual - Division 08-45-23 & 08-51-13

✔ 6. Building thermal envelope insulation. An R-value identification mark is applied (by manufacturer) to each piece of insulation 12 inches or greater in width. Alternately, the insulation installers have provided a signed, dated and posted certification listing the type, manufacturer and R-value of insulation installed. Refer to code section for blown or sprayed insulation installation/settling depths and marker requirements.

✔ 7. Insulation mark installation. Insulating materials are installed such that the manufacturer's R-value mark is readily observable upon inspection.

✔ 8. Insulation product rating. The thermal resistance (R-value) of insulation has been determined in accordance with the U.S. FTC R-value rule.

✔ 9. Installation. All material, systems and equipment are installed in accordance with the manufacturer's installation instructions and the International Building Code.

✔ 10. Outdoor air intakes and exhaust openings. Stair and elevator shaft vents and other outdoor air intakes and exhaust openings integral to the building envelope shall be equipped with not less than a Class I motorized, leakage-rated damper with a maximum leakage rate of 4 cfm per square foot at 1.0 inch water gauge when tested in accordance with AMCA 500D. Stair and shaft vent dampers shall be capable of being automatically closed during normal building operation and interlocked to open as required by fire and smoke detection systems.

Requirement is not applicable.

Plans reference page/section:

✔ 11. Loading dock weatherseals. Cargo doors and loading dock doors are equipped with weather seals to restrict infiltration when vehicles are parked in the doorway.

Plans reference page/section: Project Manual - Division 08-36-13

✔ 12. Recessed lighting. Recessed luminaires installed in the building thermal envelope are sealed to limit air leakage between conditioned and unconditioned spaces. All recessed luminaires are IC-rated and labeled as meeting ASTM E 283. All recessed luminaires are sealed with a gasket or caulk between the housing and interior wall or ceiling covering.

Requirement is not applicable.

Plans reference page/section:

✔ 13. Metal building wall insulation must include a fiberglass layer installed between the metal wall panels and the steel framing. Continuous rigid insulation must be installed between the metal wall panel and steel framing, or on the interior of the steel framing. See Table 502.2(2) for more details.

Requirement is not applicable.

Plans reference page/section: *Existing*

✔ 14. Vestibules. Doors that separate conditioned space from the exterior are protected with an enclosed vestibule, with all doors of the vestibule equipped with self-closing devices. Vestibules are designed so interior and exterior doors to not operate simultaneously.

✓ **Exception applies:** Doors used primarily to facilitate vehicular movement or material handling and adjacent personnel doors.

Plans reference page/section:

✔ 15. 'Other' components have supporting documentation for proposed U-Factors.

Requirement is not applicable.

Plans reference page/section:

Section 3: Compliance Statement

Project Title: OMIC R&D Retrofit
Data filename:
Report date: 02/03/20
Page 2 of 3

Compliance Statement: The proposed envelope alteration project represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed envelope alteration project has been designed to meet the 2014 Oregon Energy Efficiency Specialty Code requirements in COM*check*-*Web* and to comply with the mandatory requirements in the Requirements Checklist.

Al Petersen Architect — Name - Title
Signature
02/03/2020 — Date

Project Notes:
Renovation of Existing Building

FOR PERMIT

AKAAN
architecture + design llc
101 ST HELENS ST
ST HELENS, OR 97051
T: 503 366 3050 F: 503 366 3055

REGISTERED ARCHITECT
WILLIAM ALLAN PETERSEN
ST. HELENS, OREGON
STATE OF OREGON

PROJECT TEAM:

CIVIL ENGINEER:
AKS ENGINEERING & FORESTRY
12965 SW Herman Road, Suite 100
Tualatin, OR 97062
P: 503.563.6151
F: 503.563.6152

STRUCTURAL ENGINEER:
PETERSON STRUCTURAL ENGINEERS
9400 SW Barnes Road, Suite 100
Portland, OR 97225
P. 503.292.1635

MEP ENGINEER:
FLUENT ENGINEERING INC.
2110 State Street
Salem, Oregon 97301
P. 503-447-5030

OWNER:
OMIC R&D / OREGON TECH.
Procurement and Contract Services
27500 SW Parkway Avenue
Wilsonville, OR 97070

OWNER'S REPRESENTATIVE:
CRAIG CAMPBELL, Executive Director
OMIC R&D
33701 Charles T. Parker Way
Scappoose, Oregon 97056
503-983-0573

OREGON MANUFACTURING INNOVATION CENTER R & D
33701 Charles T. Parker Way
Scappoose, Oregon 97056

SCALE:	AS NOTED
DRAWN BY:	AP
CHECKED BY:	-
CAD FILE:	208A_A10
DATE:	03/26/2020

REVISIONS

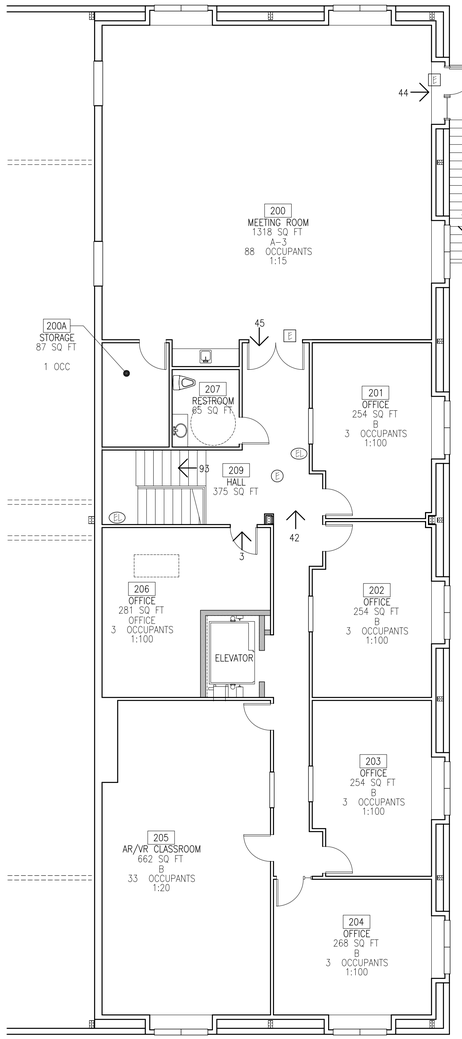
△	DATE	DESCRIPTION

CONTENTS:

GENERAL NOTES
NAILING SCHEDULE

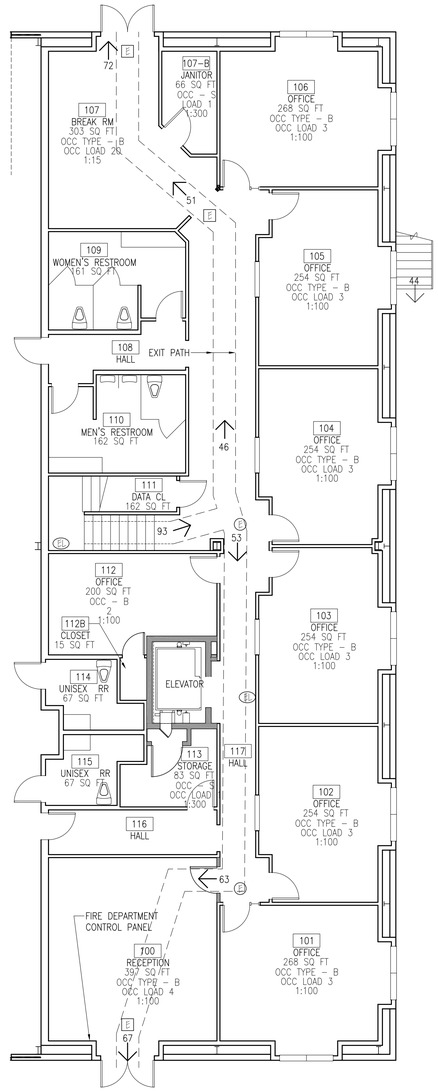
SHEET NO:

CS-2



2 / FLS-1 UPPER FLOOR EAST
1/8" = 1'-0"

UPPER FLOOR ADMINISTRATIVE OFFICE AREA: 4,186 SQ. FT.
OCCUPANT LOAD 137



1 / FLS-1 FIRST FLOOR EAST
1/8" = 1'-0"

LOWER FLOOR ADMINISTRATIVE OFFICE AREA: 4,570 SQ. FT.
OCCUPANT LOAD 46

COMBINED FLOORS BUSINESS OFFICE SUITE - TOTAL OCCUPANT LOAD 183

SCOPE OF WORK:
RENOVATION OF EXISTING OFFICE AREA TO INSTALL AN ELEVATOR FOR ADA ACCESS TO UPPER LEVEL OFFICE AREA AND INSTALL AN EGRESS STAIR FROM THE UPPER LEVEL MEETING ROOM WHICH EXCEEDS AN OCCUPANT LOAD OF 49 OCCUPANTS.

THE EXISTING BUILDING IS FULLY SPRINKLERED PER NFPA-13, AND HAS A FIRE ALARM SYSTEM.

LEGEND
- E — DIRECTIONAL EGRESS SIGN
- E — EXIT SIGN
- EL — EMERGENCY LIGHTING
- ## → # OF OCCUPANTS & DIRECTION OF TRAVEL

NUMBER OF EXITS REQUIRED IN EACH ROOM OR AREA:
-PER OSSC TABLE 1015.1: A-2 & B OCCUPANCY ROOMS WITH OCCUPANT LOAD OF 49 OR LESS REQUIRE ONE EXIT. S-1 OCCUPANCY ROOMS WITH OCCUPANT LOAD OF 29 OR LESS REQUIRE ONE EXIT.

NUMBER OF EXITS PROVIDED IN EACH ROOM OR AREA:
-ONE EXIT IS PROVIDED FROM EACH ROOM WITHIN THE BUILDING.
-TWO EXITS PROVIDED TO EXTERIOR FROM ADMINISTRATIVE OFFICE SUITE.
-TWO EXITS PROVIDED FROM UPPER LEVEL MEETING ROOM

MAX EXIT PATH IN EACH ROOM OR AREA :
-LONGEST EXIT PATH FROM ANY SPACE IS 20'-0" TO EXIT ACCESS.

LONGEST EXIT PATH ON EACH FLOOR:
- LONGEST EXIT PATH FROM FURTHEST MAIN FLOOR OFFICE/STORAGE ROOM IS 95' TO THE EXTERIOR, MAX ALLOWED PER 1017.2 IS 350'.

-LONGEST EXIT PATH FROM FURTHEST UPPER FLOOR OFFICE/STORAGE ROOM IS 163', MAX ALLOWED PER 1017.2 IS 250'.

- LONGEST COMMON PATH OF TRAVEL FROM FURTHEST UPPER FLOOR OFFICE/STORAGE ROOM IS 88', MAX ALLOWED PER 1006.2.1 IS 100'.

COMPONENT WIDTHS:
STAIRS: 0.3" PER OCCUPANT = 32" REQUIRED, 48" PROVIDED
OTHER COMPONENTS: 0.2" PER OCCUPANT= 16" MIN REQD, 36" PROVIDED

MEANS OF EGRESS			
# OF EXITS			
GROUND FLOOR	2 MIN	2 PROVIDED	1015
UPPER FLOOR	2 MIN	2 PROVIDED	
EXIT ACCESS STAIRWAYS	ALLOWED	PROVIDED	1019.3.1
DEAD END CORRIDORS	50' MAX	41'	1020.4 EXCEPTION 2
EGRESS CORRIDOR WIDTH	44 MIN		1009
OTHER COMPONENTS WIDTH	36 MIN		ADA
FIRE PROTECTION SYSTEMS			
	REQUIRED	PROPOSED	
AUTOMATIC SPRINKLERS	REQUIRED	EXISTING	903
ALT. EXTINGUISHING SYS.	NOT REQUIRED	NA	904
STANDPIPE SYS.	NOT REQUIRED	NA	905
FIRE ALARM & DETECTION	NOT REQUIRED	EXISTING	907.2.4
EMERGENCY ALARMS	NOT REQUIRED	NA	908

FOR PERMIT

AKAN
architecture + design llc
101 ST HELENS ST.
ST HELENS, OR 97051
T: 503 366 3050 F: 503 366 3065

REGISTERED ARCHITECT
WILLIAM ALLAN PETERSEN
ST. HELENS, OREGON
STATE OF OREGON

PROJECT TEAM:

CIVIL ENGINEER:
AKS ENGINEERING & FORESTRY
12965 SW Herman Road, Suite 100
Tualatin, OR 97062
P: 503.563.6151
F: 503.563.6152

STRUCTURAL ENGINEER:
PETERSON STRUCTURAL ENGINEERS
9400 SW Barnes Road, Suite 100
Portland, OR 97225
P. 503.292.1635

MEP ENGINEER:
FLUENT ENGINEERING INC.
2110 State Street
Salem, Oregon 97301
P. 503-447-5030

OWNER:
OMIC R&D / OREGON TECH.
Procurement and Contract Services
27500 SW Parkway Avenue
Wilsonville, OR 97070

OWNER'S REPRESENTATIVE:
CRAIG CAMPBELL, Executive Director
OMIC R&D
33701 Charles T. Parker Way
Scappoose, Oregon 97056
503-983-0573

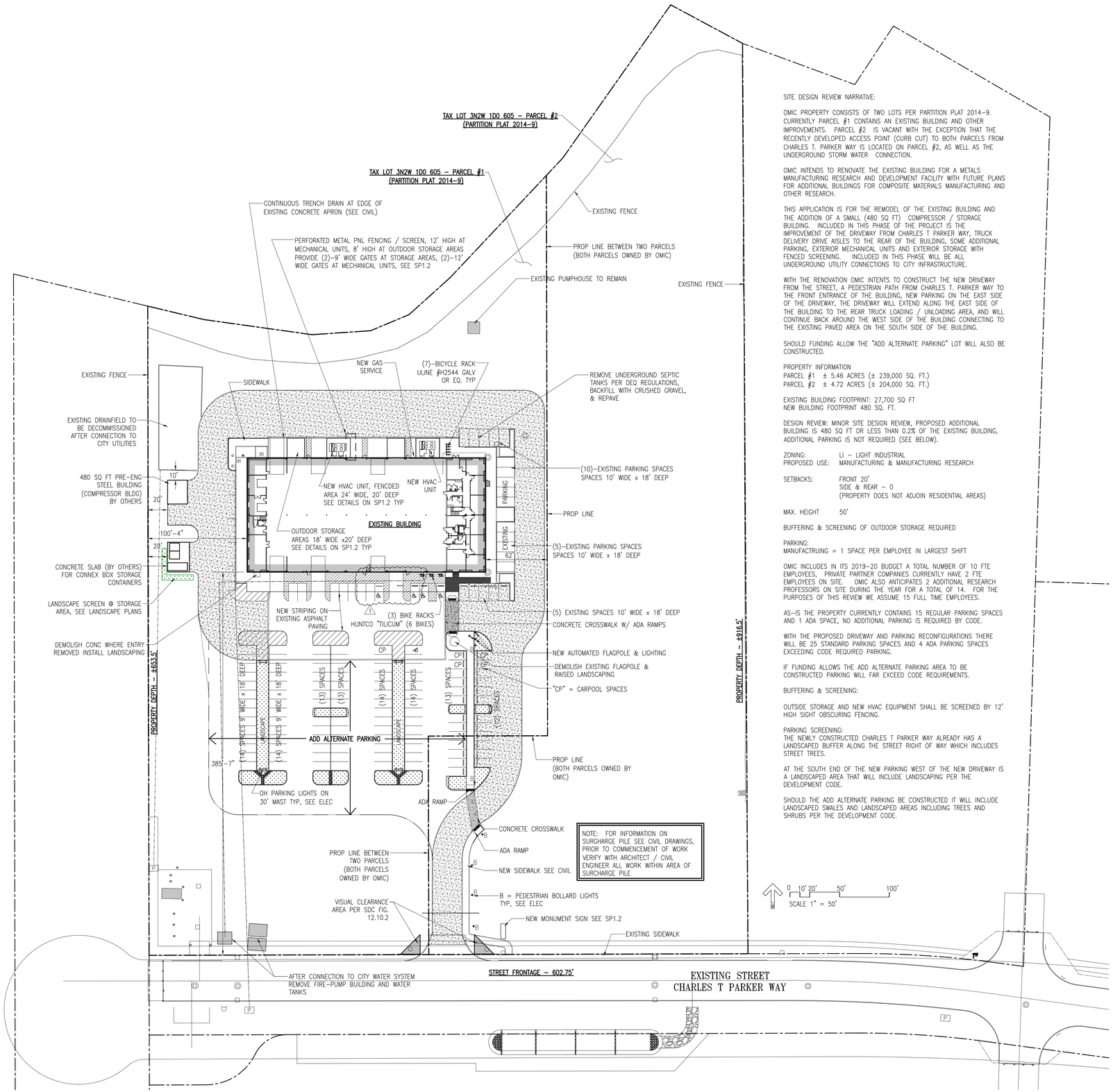
OREGON MANUFACTURING INNOVATION CENTER R & D
33701 Charles T. Parker Way
Scappoose, Oregon 97056

SCALE: AS NOTED
DRAWN BY: AP
CHECKED BY: AP
CAD FILE: 1404_FLS-1.dwg
DATE: APRIL 15,2020

REVISIONS
△	DATE	DESCRIPTION

CONTENTS:
FIRE / LIFE SAFETY PLAN (east offices)

SHEET NO:
FLS-1



SITE DESIGN REVIEW NARRATIVE:

OMIC PROPERTY CONSISTS OF TWO LOTS PER PARTITION PLAT 2014–9. CURRENTLY PARCEL #1 CONTAINS AN EXISTING BUILDING AND OTHER IMPROVEMENTS. PARCEL #2 IS VACANT WITH THE EXCEPTION THAT THE RECENTLY DEVELOPED ACCESS POINT (CURB CUT) TO BOTH PARCELS FROM CHARLES T. PARKER WAY IS LOCATED ON PARCEL #2, AS WELL AS THE UNDERGROUND STORM WATER CONNECTION.

OMIC INTENDS TO RENOVATE THE EXISTING BUILDING FOR A METALS MANUFACTURING RESEARCH AND DEVELOPMENT FACILITY WITH FUTURE PLANS FOR ADDITIONAL BUILDINGS FOR COMPOSITE MATERIALS MANUFACTURING AND OTHER RESEARCH.

THIS APPLICATION IS FOR THE REMODEL OF THE EXISTING BUILDING AND THE ADDITION OF A SMALL (480 SQ FT) COMPRESSOR / STORAGE BUILDING. INCLUDED IN THIS PHASE OF THE PROJECT IS THE IMPROVEMENT OF THE DRIVEWAY FROM CHARLES T PARKER WAY, TRUCK DELIVERY DRIVE AISLES TO THE REAR OF THE BUILDING, SOME ADDITIONAL PARKING, EXTERIOR MECHANICAL UNITS AND EXTERIOR STORAGE WITH FENCED SCREENING. INCLUDED IN THIS PHASE WILL BE ALL UNDERGROUND UTILITY CONNECTIONS TO CITY INFRASTRUCTURE.

WITH THE RENOVATION OMIC INTENTS TO CONSTRUCT THE NEW DRIVEWAY FROM THE STREET, A PEDESTRIAN PATH FROM CHARLES T. PARKER WAY TO THE FRONT ENTRANCE OF THE BUILDING, NEW PARKING ON THE EAST SIDE OF THE DRIVEWAY, THE DRIVEWAY WILL EXTEND ALONG THE EAST SIDE OF THE BUILDING TO THE REAR TRUCK LOADING / UNLOADING AREA, AND WILL CONTINUE BACK AROUND THE WEST SIDE OF THE BUILDING CONNECTING TO THE EXISTING PAVED AREA ON THE SOUTH SIDE OF THE BUILDING.

SHOULD FUNDING ALLOW THE "ADD ALTERNATE PARKING" LOT WILL ALSO BE CONSTRUCTED.

PROPERTY INFORMATION
PARCEL #1 ± 5.46 ACRES (± 239,000 SQ. FT.)
PARCEL #2 ± 4.72 ACRES (± 204,000 SQ. FT.)

EXISTING BUILDING FOOTPRINT: 27,700 SQ FT
NEW BUILDING FOOTPRINT 480 SQ. FT.

DESIGN REVIEW: MINOR SITE DESIGN REVIEW, PROPOSED ADDITIONAL BUILDING IS 480 SQ FT OR LESS THAN 0.2% OF THE EXISTING BUILDING, ADDITIONAL PARKING IS NOT REQUIRED (SEE BELOW).

ZONING: LI – LIGHT INDUSTRIAL
PROPOSED USE: MANUFACTURING & MANUFACTURING RESEARCH

SETBACKS: FRONT 20'
SIDE & REAR – 0
(PROPERTY DOES NOT ADJOIN RESIDENTIAL AREAS)

MAX. HEIGHT 50'

BUFFERING & SCREENING OF OUTDOOR STORAGE REQUIRED

PARKING:
MANUFACTRUING = 1 SPACE PER EMPLOYEE IN LARGEST SHIFT

OMIC INCLUDES IN ITS 2019–20 BUDGET A TOTAL NUMBER OF 10 FTE EMPLOYEES, PRIVATE PARTNER COMPANIES CURRENTLY HAVE 2 FTE EMPLOYEES ON SITE. OMIC ALSO ANTICIPATES 2 ADDITIONAL RESEARCH PROFESSORS ON SITE DURING THE YEAR FOR A TOTAL OF 14. FOR THE PURPOSES OF THIS REVIEW WE ASSUME 15 FULL TIME EMPLOYEES.

AS–IS THE PROPERTY CURRENTLY CONTAINS 15 REGULAR PARKING SPACES AND 1 ADA SPACE, NO ADDITIONAL PARKING IS REQUIRED BY CODE.

WITH THE PROPOSED DRIVEWAY AND PARKING RECONFIGURATIONS THERE WILL BE 25 STANDARD PARKING SPACES AND 4 ADA PARKING SPACES EXCEEDING CODE REQUIRED PARKING.

IF FUNDING ALLOWS THE ADD ALTERNATE PARKING AREA TO BE CONSTRUCTED PARKING WILL FAR EXCEED CODE REQUIREMENTS.

BUFFERING & SCREENING:

OUTSIDE STORAGE AND NEW HVAC EQUIPMENT SHALL BE SCREENED BY 12' HIGH SIGHT OBSCURING FENCING.

PARKING SCREENING:
THE NEWLY CONSTRUCTED CHARLES T PARKER WAY ALREADY HAS A LANDSCAPED BUFFER ALONG THE STREET RIGHT OF WAY WHICH INCLUDES STREET TREES.

AT THE SOUTH END OF THE NEW PARKING WEST OF THE NEW DRIVEWAY IS A LANDSCAPED AREA THAT WILL INCLUDE LANDSCAPING PER THE DEVELOPMENT CODE.

SHOULD THE ADD ALTERNATE PARKING BE CONSTRUCTED IT WILL INCLUDE LANDSCAPED SWALES AND LANDSCAPED AREAS INCLUDING TREES AND SHRUBS PER THE DEVELOPMENT CODE.

FOR PERMIT

AKAN
architecture + design llc
101 ST HELENS ST.
ST HELENS, OR 97051
T: 503 366 3050 F: 503 366 3055

REGISTERED ARCHITECT
WILLIAM ALLAN PETERSEN
ST. HELENS, OREGON
STATE OF OREGON

PROJECT TEAM:

CIVIL ENGINEER:
AKS ENGINEERING & FORESTRY
12965 SW Herman Road, Suite 100
Tualatin, OR 97062
P: 503.563.6151
F: 503.563.6152

STRUCTURAL ENGINEER:
PETERSON STRUCTURAL ENGINEERS
9400 SW Barnes Road, Suite 100
Portland, OR 97225
P. 503.292.1635

MEP ENGINEER:
FLUENT ENGINEERING INC.
2110 State Street
Salem, Oregon 97301
P. 503–447–5030

OWNER:
OMIC R&D / OREGON TECH.
Procurement and Contract Services
27500 SW Parkway Avenue
Wilsonville, OR 97070

OWNER'S REPRESENTATIVE:
CRAIG CAMPBELL, Executive Director
OMIC R&D
33701 Charles T. Parker Way
Scappoose, Oregon 97056
503–983–0573

OREGON MANUFACTURING INNOVATION CENTER R & D
33701 Charles T. Parker Way
Scappoose, Oregon 97056

SCALE:	AS NOTED
DRAWN BY:	AP
CHECKED BY:	KP
CAD FILE:	1404-SITEPLAN-3A.DWG
DATE:	03/08/2020

REVISIONS

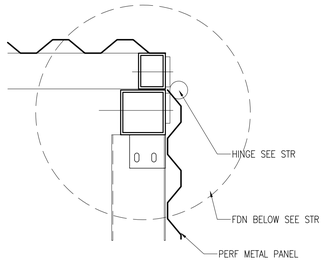
△	DATE	DESCRIPTION
1	04/08/2020	PARKING RECONFIG

CONTENTS:

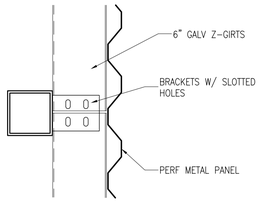
SITE PLAN

SHEET NO:

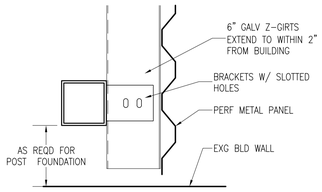
SP1.1



GATE POST SUPPORT

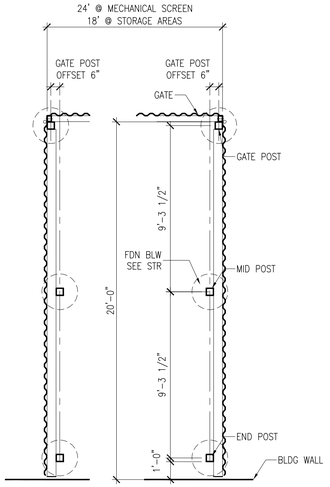


MID-POST RAIL SUPPORT

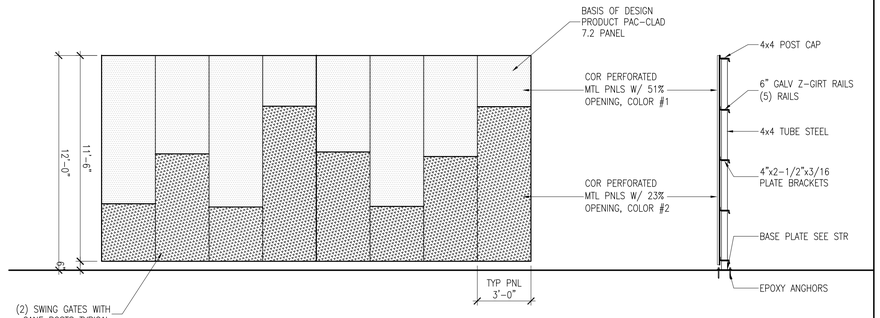


END POST RAIL SUPPORT @ BLGD WALL

8 / SP1.2 TYPICAL FENCE/SCREEN DETAILS
1-1/2" = 1'-0"



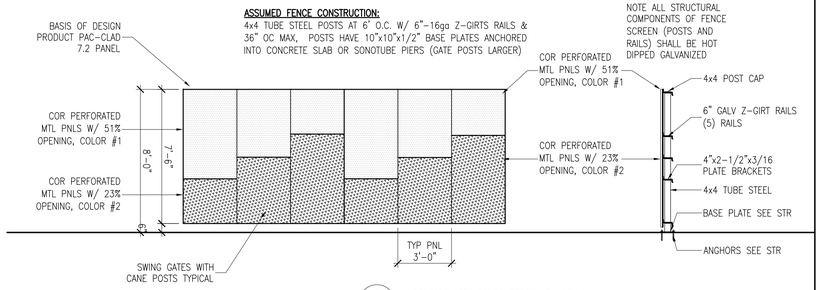
7 / SP1.2 TYPICAL FENCE/SCREEN POST LAYOUT
1/4" = 1'-0"



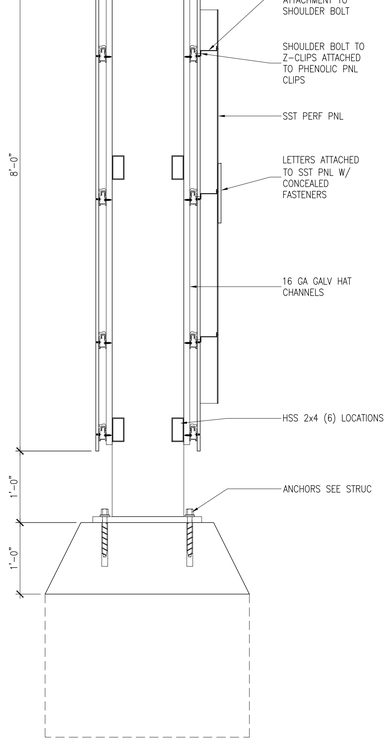
3 / SP1.2 MECHANICAL AREA FENCE/SCREEN
1/4" = 1'-0"
FRONT ELEVATION (SIDES SIMILAR)

ASSUMED FENCE CONSTRUCTION:
4x4 TUBE STEEL POSTS AT 6' O.C. W/ 6"-16ga Z-GIRTS RAILS & 36" OC MAX. POSTS HAVE 10"x10"x1/2" BASE PLATES ANCHORED INTO CONCRETE SLAB OR SONOTUBE PIERS (GATE POSTS LARGER)

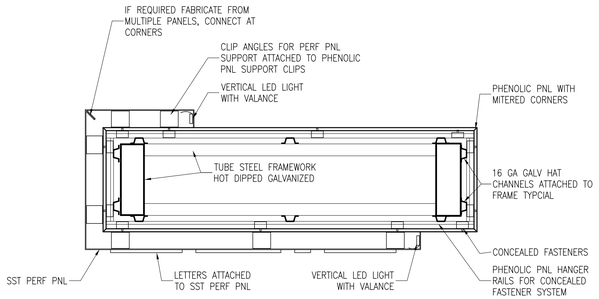
NOTE ALL STRUCTURAL COMPONENTS OF FENCE SCREEN (POSTS AND RAILS) SHALL BE HOT DIPPED GALVANIZED



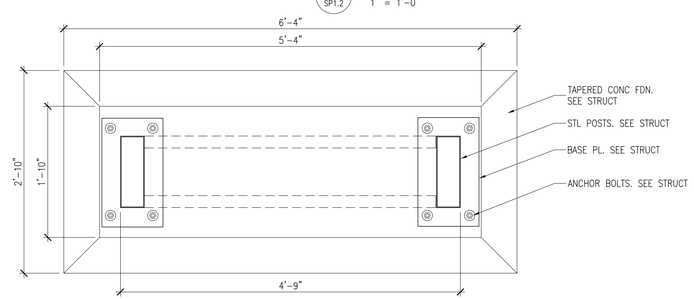
2 / SP1.2 STORAGE AREA FENCE/SCREEN 8' HIGH
1/4" = 1'-0"
FRONT ELEVATION (SIDES SIMILAR)



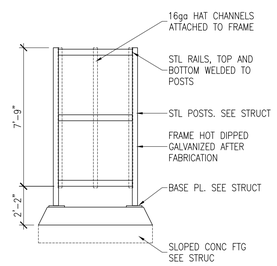
6 / SP1.2 SECTION - SIGN SUPPORT FRAME
1" = 1'-0"



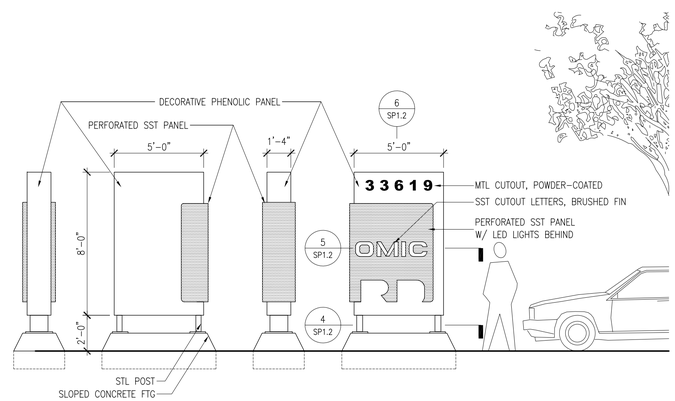
5 / SP1.2 PLAN - SIGN SUPPORT FRAME
1" = 1'-0"



4 / SP1.2 PLAN - SIGN SUPPORT FRAME
1" = 1'-0"



1.1 / SP1.2 SIGN SUPPORT FRAME
1/4" = 1'-0"



1 / SP1.2 MONUMENT SIGN
1/4" = 1'-0"

FOR PERMIT

AKAN
architecture + design llc
101 ST HELENS ST.
ST HELENS, OR 97051
T: 503 366 3050 F: 503 366 3055

REGISTERED ARCHITECT
WILLIAM ALLAN PETERSEN
ST. HELENS, OREGON
STATE OF OREGON

PROJECT TEAM:

CIVIL ENGINEER:
AKS ENGINEERING & FORESTRY
12965 SW Herman Road, Suite 100
Tualatin, OR 97062
P: 503.563.6151
F: 503.563.6152

STRUCTURAL ENGINEER:
PETERSON STRUCTURAL ENGINEERS
9400 SW Barnes Road, Suite 100
Portland, OR 97225
P. 503.292.1635

MEP ENGINEER:
FLUENT ENGINEERING INC.
2110 State Street
Salem, Oregon 97301
P. 503-447-5030

OWNER:
OMIC R&D / OREGON TECH.
Procurement and Contract Services
27500 SW Parkway Avenue
Wilsonville, OR 97070

OWNER'S REPRESENTATIVE:
CRAIG CAMPBELL, Executive Director
OMIC R&D
33701 Charles T. Parker Way
Scappoose, Oregon 97056
503-983-0573

OREGON MANUFACTURING INNOVATION CENTER R & D
33701 Charles T. Parker Way
Scappoose, Oregon 97056

SCALE: AS NOTED
DRAWN BY: AP
CHECKED BY: KP
CAD FILE: 1404-SP12.DWG
DATE:

REVISIONS

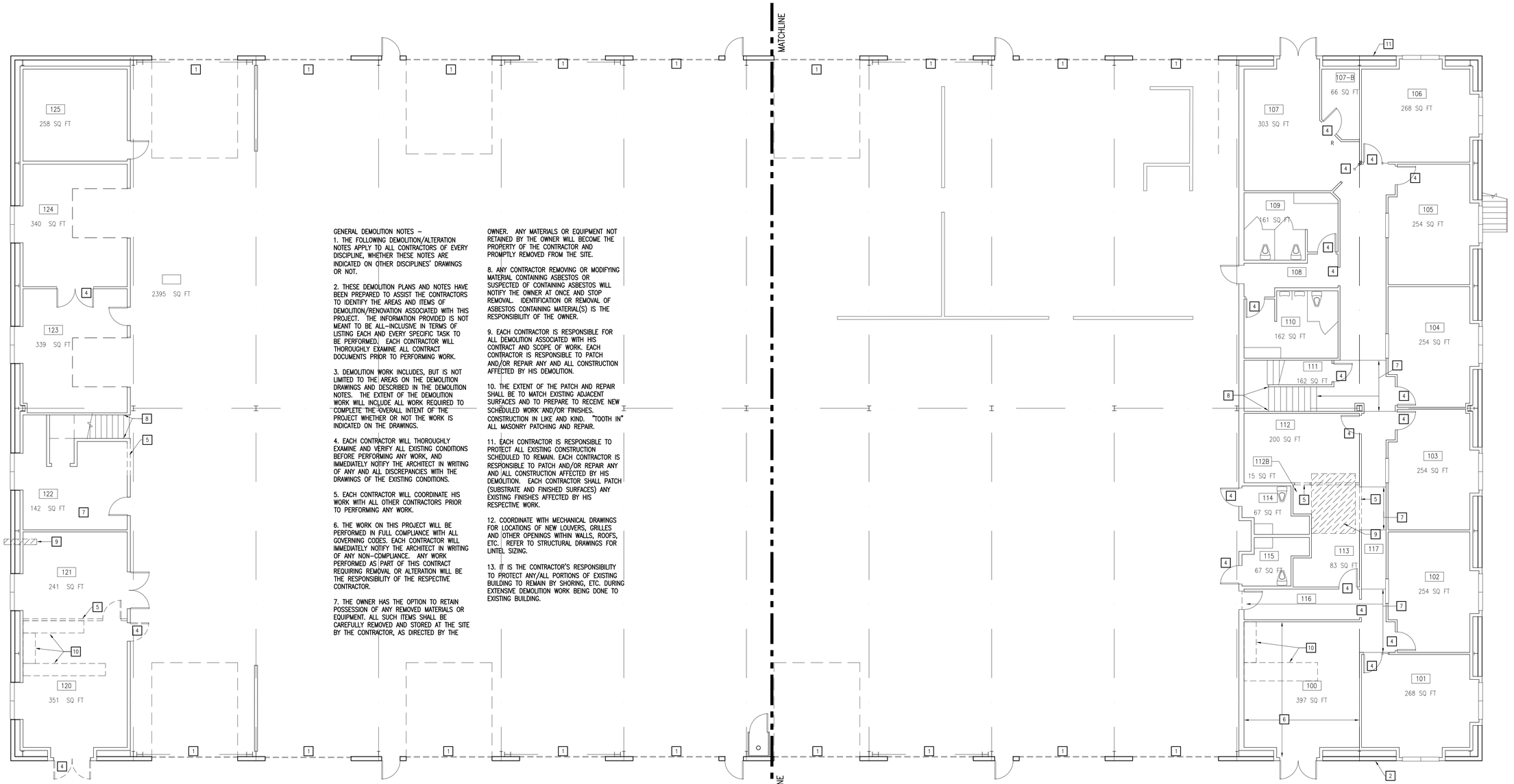
△	DATE	DESCRIPTION

CONTENTS:

SITE DETAILS

SHEET NO:

SP1.2



GENERAL DEMOLITION NOTES –

1. THE FOLLOWING DEMOLITION/ALTERATION NOTES APPLY TO ALL CONTRACTORS OF EVERY DISCIPLINE, WHETHER THESE NOTES ARE INDICATED ON OTHER DISCIPLINES' DRAWINGS OR NOT.

2. THESE DEMOLITION PLANS AND NOTES HAVE BEEN PREPARED TO ASSIST THE CONTRACTORS TO IDENTIFY THE AREAS AND ITEMS OF DEMOLITION/RENOVATION ASSOCIATED WITH THIS PROJECT. THE INFORMATION PROVIDED IS NOT MEANT TO BE ALL-INCLUSIVE IN TERMS OF LISTING EACH AND EVERY SPECIFIC TASK TO BE PERFORMED. EACH CONTRACTOR WILL THOROUGHLY EXAMINE ALL CONTRACT DOCUMENTS PRIOR TO PERFORMING WORK.

3. DEMOLITION WORK INCLUDES, BUT IS NOT LIMITED TO THE AREAS ON THE DEMOLITION DRAWINGS AND DESCRIBED IN THE DEMOLITION NOTES. THE EXTENT OF THE DEMOLITION WORK WILL INCLUDE ALL WORK REQUIRED TO COMPLETE THE OVERALL INTENT OF THE PROJECT WHETHER OR NOT THE WORK IS INDICATED ON THE DRAWINGS.

4. EACH CONTRACTOR WILL THOROUGHLY EXAMINE AND VERIFY ALL EXISTING CONDITIONS BEFORE PERFORMING ANY WORK, AND IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING OF ANY AND ALL DISCREPANCIES WITH THE DRAWINGS OF THE EXISTING CONDITIONS.

5. EACH CONTRACTOR WILL COORDINATE HIS WORK WITH ALL OTHER CONTRACTORS PRIOR TO PERFORMING ANY WORK.

6. THE WORK ON THIS PROJECT WILL BE PERFORMED IN FULL COMPLIANCE WITH ALL GOVERNING CODES. EACH CONTRACTOR WILL IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING OF ANY NON-COMPLIANCE. ANY WORK PERFORMED AS PART OF THIS CONTRACT REQUIRING REMOVAL OR ALTERATION WILL BE THE RESPONSIBILITY OF THE RESPECTIVE CONTRACTOR.

7. THE OWNER HAS THE OPTION TO RETAIN POSSESSION OF ANY REMOVED MATERIALS OR EQUIPMENT. ALL SUCH ITEMS SHALL BE CAREFULLY REMOVED AND STORED AT THE SITE BY THE CONTRACTOR, AS DIRECTED BY THE OWNER. ANY MATERIALS OR EQUIPMENT NOT RETAINED BY THE OWNER WILL BECOME THE PROPERTY OF THE CONTRACTOR AND PROMPTLY REMOVED FROM THE SITE.

8. ANY CONTRACTOR REMOVING OR MODIFYING MATERIAL CONTAINING ASBESTOS OR SUSPECTED OF CONTAINING ASBESTOS WILL NOTIFY THE OWNER AT ONCE AND STOP REMOVAL. IDENTIFICATION OR REMOVAL OF ASBESTOS CONTAINING MATERIAL(S) IS THE RESPONSIBILITY OF THE OWNER.

9. EACH CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION ASSOCIATED WITH HIS CONTRACT AND SCOPE OF WORK. EACH CONTRACTOR IS RESPONSIBLE TO PATCH AND/OR REPAIR ANY AND ALL CONSTRUCTION AFFECTED BY HIS DEMOLITION.

10. THE EXTENT OF THE PATCH AND REPAIR SHALL BE TO MATCH EXISTING ADJACENT SURFACES AND TO PREPARE TO RECEIVE NEW SCHEDULED WORK AND/OR FINISHES. CONSTRUCTION IN LIKE AND KIND. "TOOTH IN" ALL MASONRY PATCHING AND REPAIR.

11. EACH CONTRACTOR IS RESPONSIBLE TO PROTECT ALL EXISTING CONSTRUCTION SCHEDULED TO REMAIN. EACH CONTRACTOR IS RESPONSIBLE TO PATCH AND/OR REPAIR ANY AND ALL CONSTRUCTION AFFECTED BY HIS DEMOLITION. EACH CONTRACTOR SHALL PATCH (SUBSTRATE AND FINISHED SURFACES) ANY EXISTING FINISHES AFFECTED BY HIS RESPECTIVE WORK.

12. COORDINATE WITH MECHANICAL DRAWINGS FOR LOCATIONS OF NEW LOUVERS, GRILLES AND OTHER OPENINGS WITHIN WALLS, ROOFS, ETC. REFER TO STRUCTURAL DRAWINGS FOR LINTEL SIZING.

13. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ANY/ALL PORTIONS OF EXISTING BUILDING TO REMAIN BY SHORING, ETC. DURING EXTENSIVE DEMOLITION WORK BEING DONE TO EXISTING BUILDING.

1 / A0.1 DEMO PLAN – FIRST FLOOR
1/8" = 1'-0"

NOTES:

1. REMOVE WOOD BASE THROUGHOUT HALLWAYS & ENTRY LOBBY, SALVAGE FOR REUSE TO REPAIR WOOD BASE IN INDIVIDUAL ROOMS AS REQD.
2. CAREFULLY REMOVE ALL DOORS, STORE ONSITE FOR DONATION TO LOCAL NOT-FOR-PROFIT BUILDING MATERIAL RECYCLER "HABITAT FOR HUMANITY".

DEMOLITION KEYNOTES:

1. REMOVE OVERHEAD DOOR, TRACK & HARDWARE
2. REMOVE STONE VENEER
3. REMOVE EXTERIOR DOOR
4. REMOVE INTERIOR DOOR
5. REMOVE WOOD FRAMED WALLS
6. ENTRY: REMOVE WOOD RECEPTION DESK, STONE FLOORING AND STONE WALL PANELS (WEST & SOUTH WALLS), REMOVE ALL LIGHT FIXTURES, RELOCATE FIRE ALARM PANEL
7. REMOVE EXG FLOORING
8. REMOVE EXG WD HANDRAILS
9. SAWCUT CONCRETE & EXCAVATE FOR NEW WORK
10. REMOVE CASEWORK & COUNTERTOPS
11. REMOVE EXG MTL SIDING BELOW AWNING SEE ELEVATIONS

FOR PERMIT

AKAN
architecture + design llc
101 ST HELENS ST.
ST HELENS, OR 97051
T: 503 366 3050 F: 503 366 3055

REGISTERED ARCHITECT
WILLIAM ALLAN PETERSEN
ST. HELENS, OREGON
STATE OF OREGON

PROJECT TEAM:

CIVIL ENGINEER:
AKS ENGINEERING & FORESTRY
12965 SW Herman Road, Suite 100
Tualatin, OR 97062
P: 503.563.6151
F: 503.563.6152

STRUCTURAL ENGINEER:
PETERSON STRUCTURAL ENGINEERS
9400 SW Barnes Road, Suite 100
Portland, OR 97225
P. 503.292.1635

MEP ENGINEER:
FLUENT ENGINEERING INC.
2110 State Street
Salem, Oregon 97301
P. 503-447-5030

OWNER:
OMIC R&D / OREGON TECH.
Procurement and Contract Services
27500 SW Parkway Avenue
Wilsonville, OR 97070

OWNER'S REPRESENTATIVE:
CRAIG CAMPBELL, Executive Director
OMIC R&D
33701 Charles T, Parker Way
Scappoose, Oregon 97056
503-983-0573

OREGON MANUFACTURING INNOVATION CENTER R & D
33701 Charles T. Parker Way
Scappoose, Oregon 97056

SCALE:	AS NOTED
DRAWN BY:	AP
CHECKED BY:	KP
CAD FILE:	1404-FLOOR-1.DWG
DATE:	JAN. 28, 2020

REVISIONS

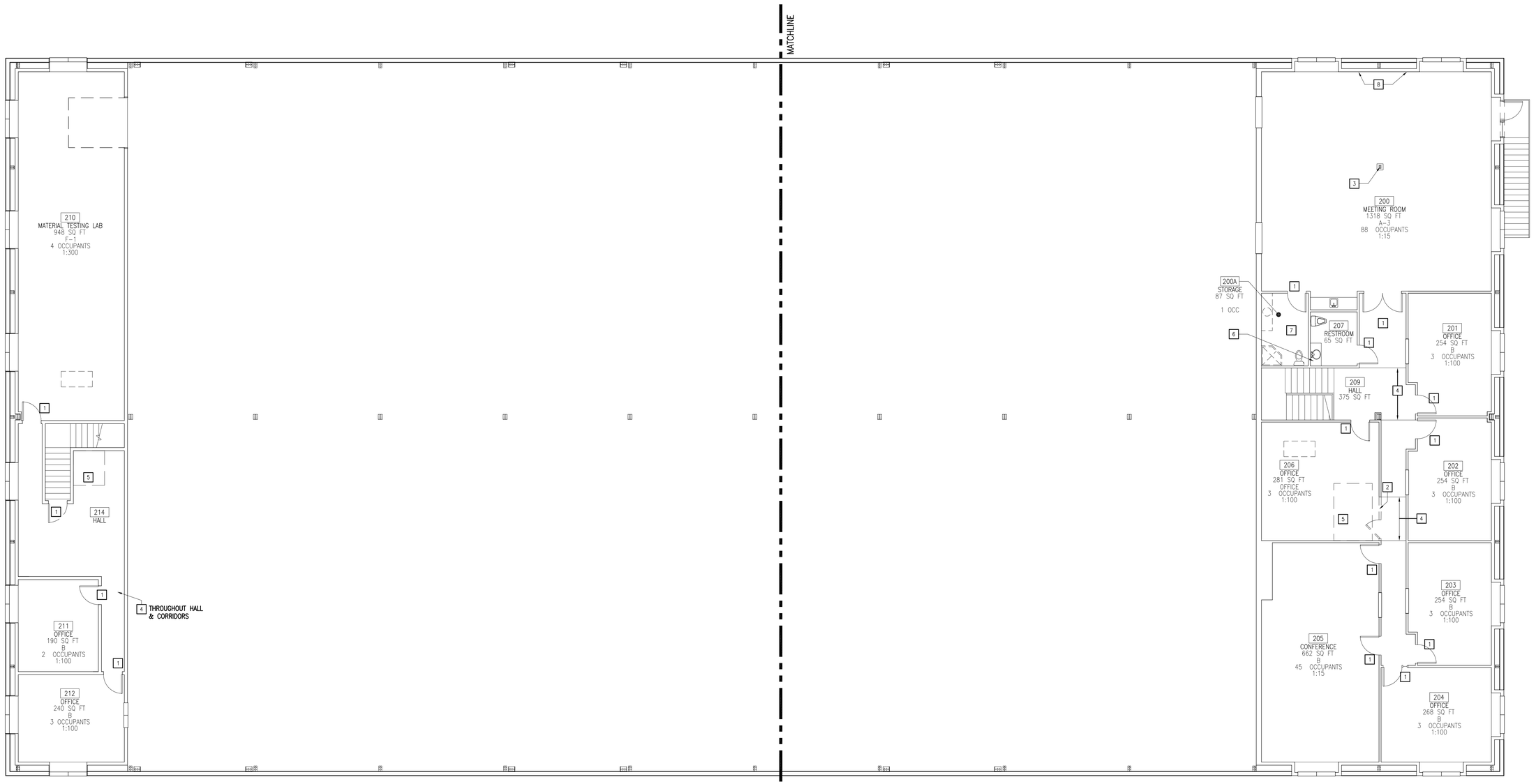
△	DATE	DESCRIPTION

CONTENTS:

FIRST FLOOR DEMOLITION PLAN

SHEET NO:

A0.1



1 / A0.2 DEMO PLAN – SECOND FLOOR
1/8" = 1'-0"

[#] DEMOLITION KEYNOTES:
1. REMOVE INTERIOR DOOR
2. REMOVE WOOD FRAMED WALLS
3. REMOVE WOOD COLUMN
4. REMOVE EXISTING FLOOR FINISHES (TILE)
5. CUT OPENING IN FLOOR FOR LIFT
6. REMOVE BASE CABINETS
7. DEMOLISH RESTROOM, REMOVE CABINETS, TOILET, SHOWER, WALL TILE, (FLOOR TILE TO REMAIN)
8. OPEN WALL FOR NEW BEAM SUPPORT STUDS

FOR PERMIT

AKAN
architecture + design llc
101 ST HELENS ST.
ST HELENS, OR 97051
T: 503 366 3050 F: 503 366 3055

REGISTERED ARCHITECT
WILLIAM ALLAN PETERSEN
ST. HELENS, OREGON
STATE OF OREGON

PROJECT TEAM:

CIVIL ENGINEER:
AKS ENGINEERING & FORESTRY
12965 SW Herman Road, Suite 100
Tualatin, OR 97062
P: 503.563.6151
F: 503.563.6152

STRUCTURAL ENGINEER:
PETERSON STRUCTURAL ENGINEERS
9400 SW Barnes Road, Suite 100
Portland, OR 97225
P. 503.292.1635

MEP ENGINEER:
FLUENT ENGINEERING INC.
2110 State Street
Salem, Oregon 97301
P. 503-447-5030

OWNER:
OMIC R&D / OREGON TECH.
Procurement and Contract Services
27500 SW Parkway Avenue
Wilsonville, OR 97070

OWNER'S REPRESENTATIVE:
CRAIG CAMPBELL. Executive Director
OMIC R&D
33701 Charles T. Parker Way
Scappoose, Oregon 97056
503-983-0573

OREGON MANUFACTURING INNOVATION CENTER R & D

33701 Charles T. Parker Way
Scappoose, Oregon 97056

SCALE:	AS NOTED
DRAWN BY:	AP
CHECKED BY:	-
CAD FILE:	1404-FLOOR-2.DWG
DATE:	JAN. 28, 2020

REVISIONS

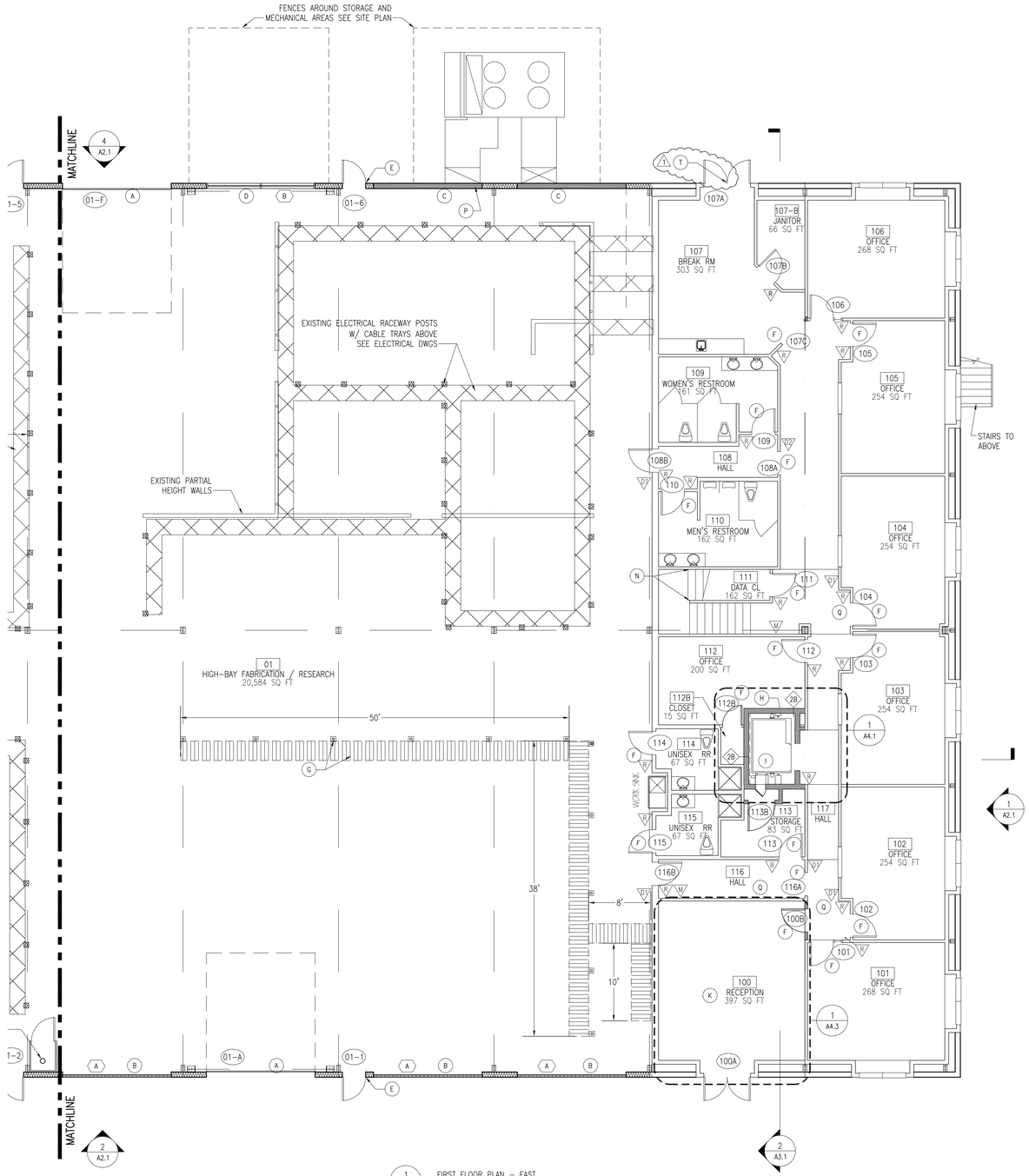
△	DATE	DESCRIPTION

CONTENTS:

SECOND FLOOR DEMOLITION PLAN

SHEET NO:

A0.2



1 FIRST FLOOR PLAN – EAST
A1.1 1/8" = 1'-0"

RENOVATION NOTES:

1. SALVAGED WOOD BASE FROM HALLS TO BE USED TO REPAIR WOOD BASE IN ROOMS AS REQUIRED, NEW WALL BASE THROUGHOUT ALL HALLWAYS AND WEST WING SECOND FLOOR HALL AND ADA LIFT LOBBY.
2. WHERE LVT IS INSTALLED POUR SELF LEVELING COMPOUND AS REQD TO MATCH LEVEL OF EXISTING FLOOR TILE.
3. REMOVE EXISTING WOOD TRIM ON THE CORRIDOR SIDE OF ALL INTERIOR OFFICE WINDOWS, REPLACE WITH TRIM SHOWN ON DRAWING 13/A4.4, PAINT.

(A) RENOVATION KEYNOTES:
- A. INSTALL NEW OVERHEAD DOOR & AUTOMATIC OPERATOR
- B. INFILL WALL W/ STEEL STUDS & EXTERIOR PHENOLIC PANELS BELOW W/ WITH KALWALL TRANSLUCENT WALL SYSTEM ABOVE
- C. INFILL WALL W/ STEEL STUD WALL & EXTERIOR SHEETMETAL SIDING
- D. INFILL WALL W/ STEEL STUDS & EXTERIOR SHEETMETAL PANELS BELOW W/ WITH ALUMINUM WINDOWS ABOVE
- E. NEW METAL TRIM AT HIGH BAY MAN DOORS
- F. INSTALL NEW HOLLOW METAL FRAMES AND SOLID CORE WOOD INTERIOR DOORS WHERE INDICATED, SEE DOOR SCHEDULE
- G. NEW ELECTRICAL RACEWAY CABLE TRAYS & POSTS
- H. NEW WOOD FRAMED WALLS.
- I. NEW 2500# "HOLE-LESS" TWO-STOP ELEVATOR BASIS OF DESIGN OTIS – HYDROFIT
- J. NEW 90 DEGREE MID SIZED CHAIR LIFT WITH AUTOMATIC DOORS.
- K. ENTRY LOBBY, NEW CUSTOM RECEPTION DESK, NEW FLOOR FINISH COMMERCIAL LUXURY VINYL TILE, NEW CEILING FINISHES (METAL MESH, WOOD & STEEL PANELS), NEW LIGHTING – PENDANT AND RECESSED, FLAT SCREEN LED DISPLAYS.
- L. EXISTING FIRE SPRINKLER CONTROLS, MODIFY SYSTEM AS REQUIRED, SEE MECHANICAL DRAWINGS
- M. SLOPE FLOOR TO LEVEL OF LIFT (3").
- N. INSTALL NEW STEEL HANDRAILS
- O. NEW MECHANICAL UNITS SEE MECHANICAL DWGS
- P. DUCT PENETRATIONS IN WALLS SEE MECHANICAL DWGS
- Q. NEW LVT FLOORING
- R. INFILL WALL MTL STUDS, SHEATH EXTERIOR TO MATCH EXISTING.
- S. ROOM 120-121 REPAIR WALLS, CEILING & FLOOR, EPOXY FLOOR TO MATCH HIGH-BAY
- T. DOOR 107 – INSTALL ELECTRONIC/MAGNETIC LOCK, REMOVE KEYED LATCH.

(#) DOOR SYMBOL SEE DOOR SCHEDULE

(X) WINDOW SYMBOL SEE WINDOW TYPES

(X) SIGNAGE SYMBOL.
D = DIRECTIONAL SIGN, SEE A4.2
M = MESSAGE SIGNAGE
R = ROOM SIGNAGE, SEE A4.2

(1) REVISION SYMBOL

FOR PERMIT

AKAN
architecture + design llc
101 ST HELENS ST.
ST HELENS, OR 97051
T: 503 366 3050 F: 503 366 3065

REGISTERED ARCHITECT
WILLIAM ALLAN PETERSEN
ST. HELENS, OREGON
STATE OF OREGON

PROJECT TEAM:

CIVIL ENGINEER:
AKS ENGINEERING & FORESTRY
12965 SW Herman Road, Suite 100
Tualatin, OR 97062
P: 503.563.6151
F: 503.563.6152

STRUCTURAL ENGINEER:
PETERSON STRUCTURAL ENGINEERS
9400 SW Barnes Road, Suite 100
Portland, OR 97225
P. 503.292.1635

MEP ENGINEER:
FLUENT ENGINEERING INC.
2110 State Street
Salem, Oregon 97301
P. 503-447-5030

OWNER:
OMIC R&D / OREGON TECH.
Procurement and Contract Services
27500 SW Parkway Avenue
Wilsonville, OR 97070

OWNER'S REPRESENTATIVE:
CRAIG CAMPBELL, Executive Director
OMIC R&D
33701 Charles T. Parker Way
Scappoose, Oregon 97056
503-983-0573

OREGON MANUFACTURING INNOVATION CENTER R & D

33701 Charles T. Parker Way
Scappoose, Oregon 97056

SCALE:	1/8" = 1'-0"
DRAWN BY:	AP
CHECKED BY:	-
CAD FILE:	1404-Floor1
DATE:	APRIL 3, 2020

REVISIONS

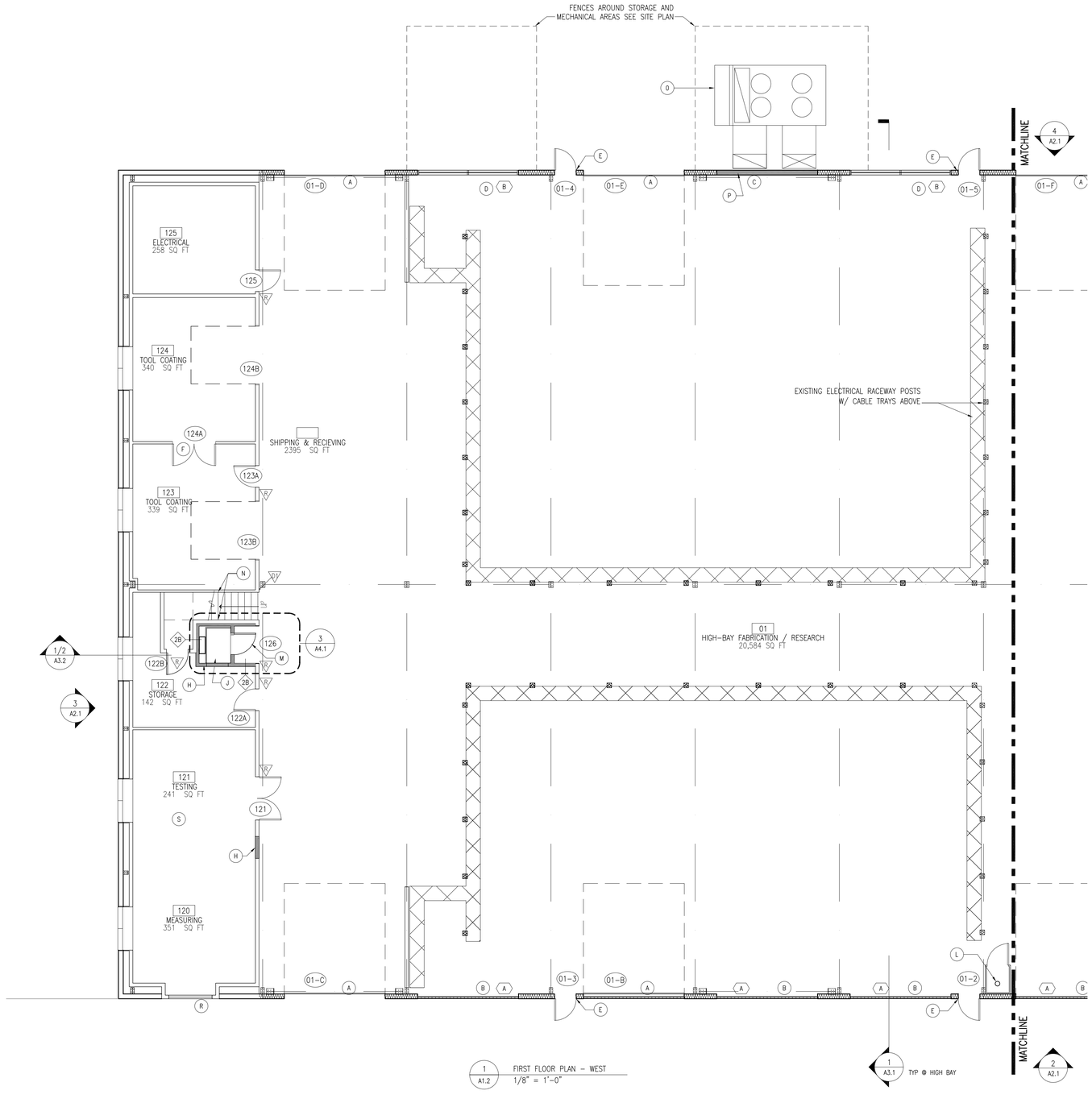
△	DATE	DESCRIPTION
1	04/15/2020	PER BLDG OFFICIAL

CONTENTS:

FIRST FLOOR PLAN EAST

SHEET NO:

A1.1



RENOVATION NOTES:

1. SALVAGED WOOD BASE FROM HALLS TO BE USED TO REPAIR WOOD BASE IN ROOMS AS REQUIRED, NEW WALL BASE THROUGHOUT ALL HALLWAYS AND WEST WING SECOND FLOOR HALL AND ADA LIFT LOBBY.
2. WHERE LVT IS INSTALLED POUR SELF LEVELING COMPOUND AS REQD TO MATCH LEVEL OF EXISTING FLOOR TILE.
3. REMOVE EXISTING WOOD TRIM ON THE CORRIDOR SIDE OF ALL INTERIOR OFFICE WINDOWS, REPLACE WITH TRIM SHOWN ON DRAWING 13/A4.4, PAINT.

(A) RENOVATION KEYNOTES:

A. INSTALL NEW OVERHEAD DOOR & AUTOMATIC OPERATOR
B. INFILL WALL W/ STEEL STUDS & EXTERIOR PHENOLIC PANELS BELOW W/ WITH KALWALL TRANSLUCENT WALL SYSTEM ABOVE
C. INFILL WALL W/ STEEL STUD WALL & EXTERIOR SHEETMETAL SIDING
D. INFILL WALL W/ STEEL STUDS & EXTERIOR SHEETMETAL PANELS BELOW W/ WITH ALUMINUM WINDOWS ABOVE
E. NEW METAL TRIM AT HIGH BAY MAN DOORS
F. INSTALL NEW HOLLOW METAL FRAMES AND SOLID CORE WOOD INTERIOR DOORS WHERE INDICATED, SEE DOOR SCHEDULE
G. NEW ELECTRICAL RACEWAY CABLE TRAYS & POSTS
H. NEW WOOD FRAMED WALLS.
I. NEW 2500# "HOLE-LESS" TWO-STOP ELEVATOR BASIS OF DESIGN OTIS - HYDROFIT
J. NEW 90 DEGREE MID SIZED CHAIR LIFT WITH AUTOMATIC DOORS.
K. ENTRY LOBBY, NEW CUSTOM RECEPTION DESK, NEW FLOOR FINISH COMMERCIAL LUXURY VINYL TILE, NEW CEILING FINISHES (METAL MESH, WOOD & STEEL PANELS), NEW LIGHTING - PENDANT AND RECESSED, FLAT SCREEN LED DISPLAYS.
L. EXISTING FIRE SPRINKLER CONTROLS, MODIFY SYSTEM AS REQUIRED, SEE MECHANICAL DRAWINGS
M. SLOPE FLOOR TO LEVEL OF LIFT (3").
N. INSTALL NEW STEEL HANDRAILS
O. NEW MECHANICAL UNITS SEE MECHANICAL DWGS
P. DUCT PENETRATIONS IN WALLS SEE MECHANICAL DWGS
Q. NEW LVT FLOORING
R. INFILL WALL W/ VINYL WINDOW TO MATCH EXISTING WITH FIBER CEMENT EXTERIOR WALL PANEL BELOW.
S. ROOM 120-121 REPAIR WALLS, CEILING & FLOOR, EPOXY FLOOR TO MATCH HIGH-BAY

(#) DOOR SYMBOL SEE DOOR SCHEDULE
(X) WINDOW SYMBOL SEE WINDOW TYPES
(V) SIGNAGE SYMBOL.
D = DIRECTIONAL SIGN. SEE A4.2
M = MESSAGE SIGNAGE
R = ROOM SIGNAGE. SEE A4.2

FOR PERMIT

AKAAN
architecture + design llc
101 ST HELENS ST.
ST HELENS, OR 97051
T: 503 366 3050 F: 503 366 3055

REGISTERED ARCHITECT
WILLIAM ALLAN PETERSEN
ST. HELENS, OREGON
STATE OF OREGON

PROJECT TEAM:

CIVIL ENGINEER:
AKS ENGINEERING & FORESTRY
12965 SW Herman Road, Suite 100
Tualatin, OR 97062
P: 503.563.6151
F: 503.563.6152

STRUCTURAL ENGINEER:
PETERSON STRUCTURAL ENGINEERS
9400 SW Barnes Road, Suite 100
Portland, OR 97225
P. 503.292.1635

MEP ENGINEER:
FLUENT ENGINEERING INC.
2110 State Street
Salem, Oregon 97301
P. 503-447-5030

OWNER:
OMIC R&D / OREGON TECH.
Procurement and Contract Services
27500 SW Parkway Avenue
Wilsonville, OR 97070

OWNER'S REPRESENTATIVE:
CRAIG CAMPBELL, Executive Director
OMIC R&D
33701 Charles T. Parker Way
Scappoose, Oregon 97056
503-983-0573

OREGON MANUFACTURING INNOVATION CENTER R & D

33701 Charles T. Parker Way
Scappoose, Oregon 97056

SCALE: 1/8" = 1'-0"
DRAWN BY: AP
CHECKED BY: ,
CAD FILE: 1404-FLOOR-1.DWG
DATE: JAN. 28, 2020

REVISIONS

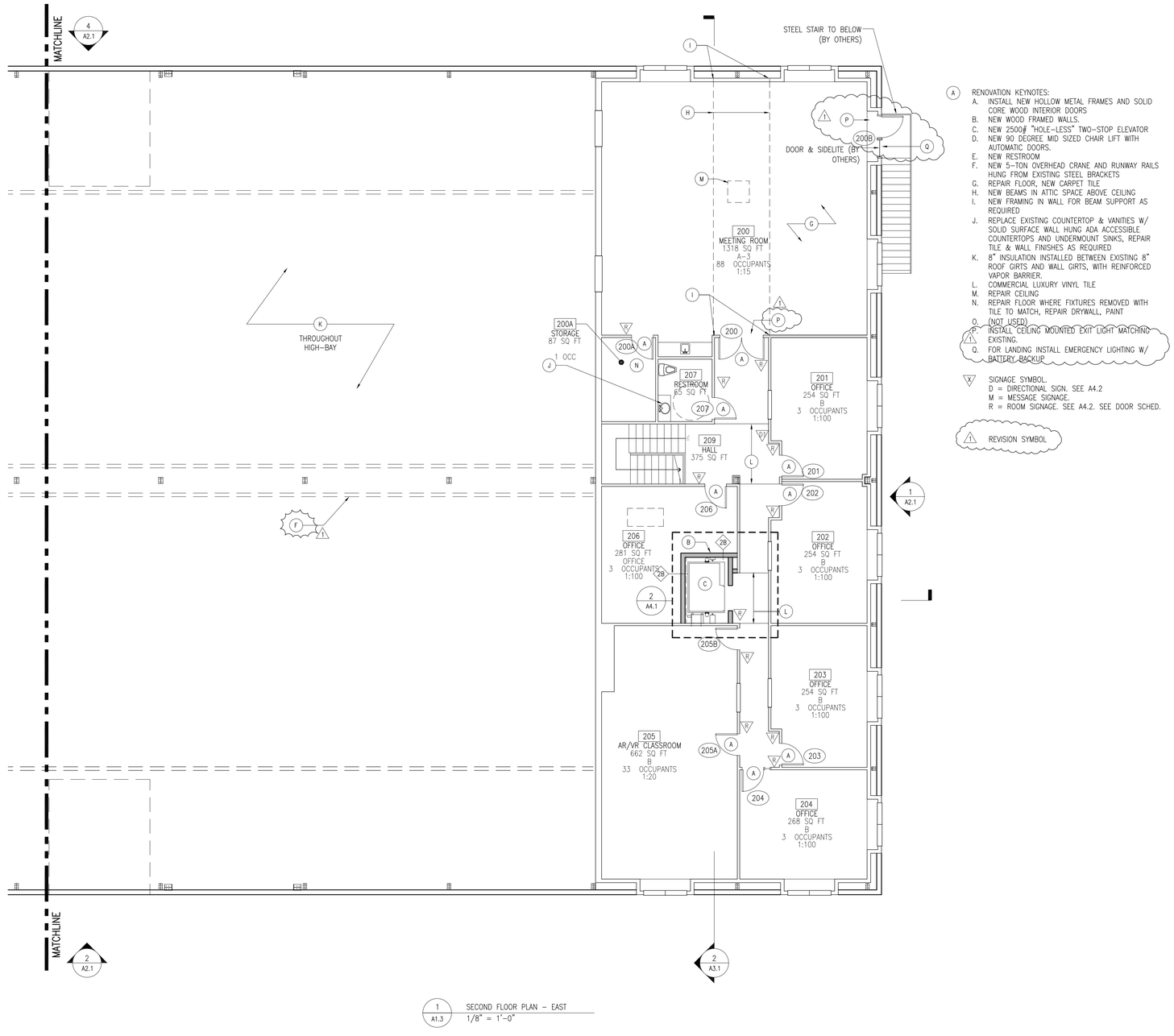
△	DATE	DESCRIPTION

CONTENTS:

FIRST FLOOR PLAN WEST

SHEET NO:

A1.2



1 A1.3 SECOND FLOOR PLAN – EAST
1/8" = 1'-0"

A RENOVATION KEYNOTES:
- A. INSTALL NEW HOLLOW METAL FRAMES AND SOLID CORE WOOD INTERIOR DOORS
- B. NEW WOOD FRAMED WALLS.
- C. NEW 2500# "HOLE-LESS" TWO-STOP ELEVATOR
- D. NEW 90 DEGREE MID SIZED CHAIR LIFT WITH AUTOMATIC DOORS.
- E. NEW RESTROOM
- F. NEW 5-TON OVERHEAD CRANE AND RUNWAY RAILS HUNG FROM EXISTING STEEL BRACKETS
- G. REPAIR FLOOR, NEW CARPET TILE
- H. NEW BEAMS IN ATTIC SPACE ABOVE CEILING
- I. NEW FRAMING IN WALL FOR BEAM SUPPORT AS REQUIRED
- J. REPLACE EXISTING COUNTERTOP & VANITIES W/ SOLID SURFACE WALL HUNG ADA ACCESSIBLE COUNTERTOPS AND UNDERMOUNT SINKS, REPAIR TILE & WALL FINISHES AS REQUIRED
- K. 8" INSULATION INSTALLED BETWEEN EXISTING 8" ROOF GIRTS AND WALL GIRTS, WITH REINFORCED VAPOR BARRIER.
- L. COMMERCIAL LUXURY VINYL TILE
- M. REPAIR CEILING
- N. REPAIR FLOOR WHERE FIXTURES REMOVED WITH TILE TO MATCH, REPAIR DRYWALL, PAINT
- O. (NOT USED)
- P. INSTALL CEILING MOUNTED EXIT LIGHT MATCHING EXISTING.
- Q. FOR LANDING INSTALL EMERGENCY LIGHTING W/ BATTERY BACKUP

SIGNAGE SYMBOL.
D = DIRECTIONAL SIGN. SEE A4.2
M = MESSAGE SIGNAGE.
R = ROOM SIGNAGE. SEE A4.2. SEE DOOR SCHED.

REVISION SYMBOL

AKAN
architecture + design llc
101 ST HELENS ST.
ST HELENS, OR 97051
T: 503 366 3050 F: 503 366 3065

REGISTERED ARCHITECT
WILLIAM ALLAN PETERSEN
ST. HELENS, OREGON
STATE OF OREGON

PROJECT TEAM:

CIVIL ENGINEER:
AKS ENGINEERING & FORESTRY
12965 SW Herman Road, Suite 100
Tualatin, OR 97062
P: 503.563.6151
F: 503.563.6152

STRUCTURAL ENGINEER:
PETERSON STRUCTURAL ENGINEERS
9400 SW Barnes Road, Suite 100
Portland, OR 97225
P. 503.292.1635

MEP ENGINEER:
FLUENT ENGINEERING INC.
2110 State Street
Salem, Oregon 97301
P. 503-447-5030

OWNER:
OMIC R&D / OREGON TECH.
Procurement and Contract Services
27500 SW Parkway Avenue
Wilsonville, OR 97070

OWNER'S REPRESENTATIVE:
CRAIG CAMPBELL, Executive Director
OMIC R&D
33701 Charles T. Parker Way
Scappoose, Oregon 97056
503-983-0573

OREGON MANUFACTURING INNOVATION CENTER R & D

33701 Charles T. Parker Way
Scappoose, Oregon 97056

SCALE: 1/8" = 1'-0"
DRAWN BY: AP
CHECKED BY: -
CAD FILE: 1404-FLOOR-2.DWG
DATE:

REVISIONS

△	DATE	DESCRIPTION
1	04/03/2020	PER BLDG OFF REV

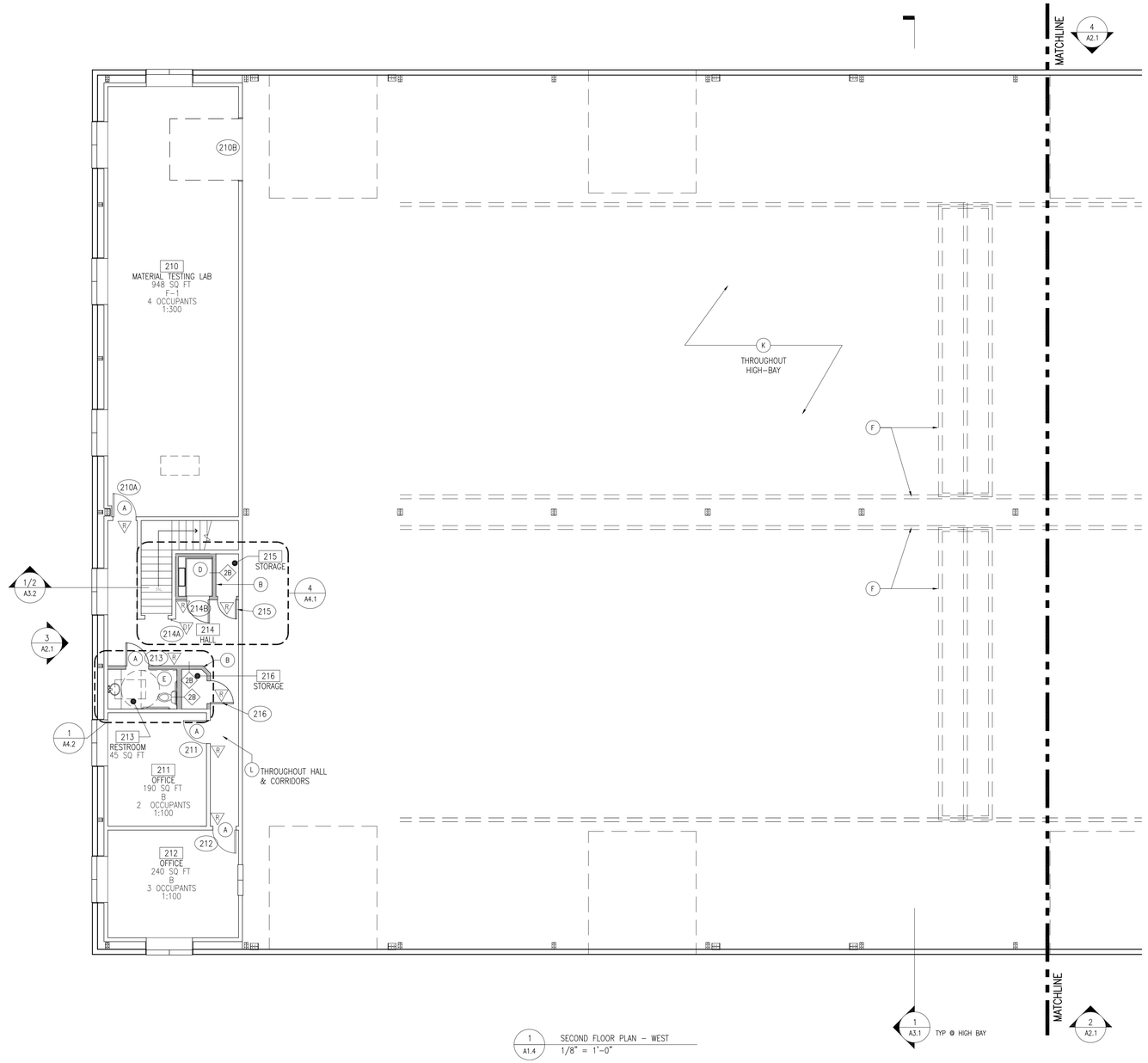
CONTENTS:

SECOND FLOOR PLAN EAST

SHEET NO:

A1.3

FOR PERMIT



1 / A1.4 SECOND FLOOR PLAN - WEST
1/8" = 1'-0"

(A) RENOVATION KEYNOTES:

A. INSTALL NEW HOLLOW METAL FRAMES AND SOLID CORE WOOD INTERIOR DOORS
B. NEW WOOD FRAMED WALLS.
C. NEW 2500# "HOLE-LESS" TWO-STOP ELEVATOR
D. NEW 90 DEGREE MID SIZED CHAIR LIFT WITH AUTOMATIC DOORS.
E. NEW RESTROOM
F. NEW 5-TON OVERHEAD CRANE AND RUNWAY RAILS HUNG FROM EXISTING STEEL BRACKETS
G. REPAIR FLOOR, NEW CARPET TILE
H. NEW BEAMS IN ATTIC SPACE ABOVE CEILING
I. NEW FRAMING IN WALL FOR BEAM SUPPORT AS REQUIRED
J. REPLACE EXISTING COUNTERTOP & VANITIES W/ SOLID SURFACE WALL HUNG ADA ACCESSIBLE COUNTERTOPS AND UNDERMOUNT SINKS, REPAIR TILE & WALL FINISHES AS REQUIRED
K. 8" INSULATION INSTALLED BETWEEN EXISTING 8" ROOF GIRTS AND WALL GIRTS, WITH REINFORCED VAPOR BARRIER.
L. COMMERCIAL LUXURY VINYL TILE
M. REPAIR CEILING
N. REPAIR FLOOR WHERE FIXTURES REMOVED WITH TILE TO MATCH, REPAIR DRYWALL, PAINT
O. (NOT USED)
P. INSTALL CEILING MOUNTED EXIT LIGHT MATCHING EXISTING.

(X) SIGNAGE SYMBOL.
D = DIRECTIONAL SIGN. SEE A4.2
M = MESSAGE SIGNAGE.
R = ROOM SIGNAGE. SEE A4.2. SEE DOOR SCHED.

FOR PERMIT

AKAN
architecture + design llc
101 ST HELENS ST.
ST HELENS, OR 97051
T: 503 366 3050 F: 503 366 3065

REGISTERED ARCHITECT
WILLIAM ALLAN PETERSEN
ST. HELENS, OREGON
STATE OF OREGON

PROJECT TEAM:

CIVIL ENGINEER:
AKS ENGINEERING & FORESTRY
12965 SW Herman Road, Suite 100
Tualatin, OR 97062
P: 503.563.6151
F: 503.563.6152

STRUCTURAL ENGINEER:
PETERSON STRUCTURAL ENGINEERS
9400 SW Barnes Road, Suite 100
Portland, OR 97225
P. 503.292.1635

MEP ENGINEER:
FLUENT ENGINEERING INC.
2110 State Street
Salem, Oregon 97301
P. 503-447-5030

OWNER:
OMIC R&D / OREGON TECH.
Procurement and Contract Services
27500 SW Parkway Avenue
Wilsonville, OR 97070

OWNER'S REPRESENTATIVE:
CRAIG CAMPBELL, Executive Director
OMIC R&D
33701 Charles T. Parker Way
Scappoose, Oregon 97056
503-983-0573

OREGON MANUFACTURING INNOVATION CENTER R & D

33701 Charles T. Parker Way
Scappoose, Oregon 97056

SCALE:	1/8" = 1'-0"
DRAWN BY:	AP
CHECKED BY:	-
CAD FILE:	1404-FLOOR-2.DWG
DATE:	JAN. 28, 2020

REVISIONS

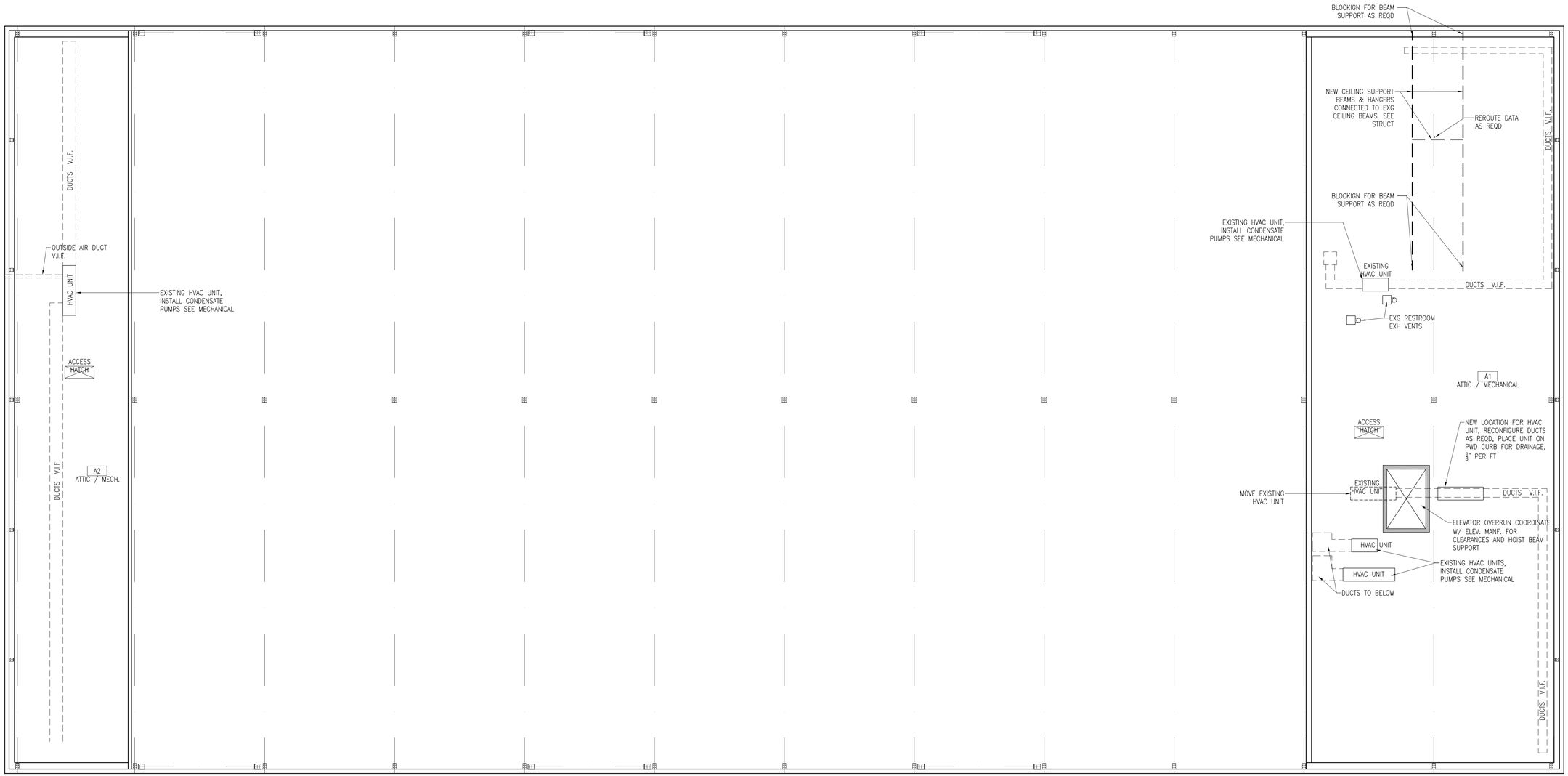
△	DATE	DESCRIPTION

CONTENTS:

SECOND FLOOR PLAN WEST

SHEET NO:

A1.4



1 / A1.5 ATTIC FLOOR PLAN
1/8" = 1'-0"

FOR PERMIT

AKAN
architecture + design llc
101 ST HELENS ST.
ST HELENS, OR 97051
T: 503 366 3050 F: 503 366 3065

REGISTERED ARCHITECT
WILLIAM ALLAN PETERSEN
ST. HELENS, OREGON
STATE OF OREGON

PROJECT TEAM:

CIVIL ENGINEER:
AKS ENGINEERING & FORESTRY
12965 SW Herman Road, Suite 100
Tualatin, OR 97062
P: 503.563.6151
F: 503.563.6152

STRUCTURAL ENGINEER:
PETERSON STRUCTURAL ENGINEERS
9400 SW Barnes Road, Suite 100
Portland, OR 97225
P. 503.292.1635

MEP ENGINEER:
FLUENT ENGINEERING INC.
2110 State Street
Salem, Oregon 97301
P. 503-447-5030

OWNER:
OMIC R&D / OREGON TECH.
Procurement and Contract Services
27500 SW Parkway Avenue
Wilsonville, OR 97070

OWNER'S REPRESENTATIVE:
CRAIG CAMPBELL, Executive Director
OMIC R&D
33701 Charles T. Parker Way
Scappoose, Oregon 97056
503-983-0573

OREGON MANUFACTURING INNOVATION CENTER R & D

33701 Charles T. Parker Way
Scappoose, Oregon 97056

SCALE:	AS NOTED
DRAWN BY:	AP
CHECKED BY:	-
CAD FILE:	1404-FloorAttic.dwg
DATE:	JAN. 28, 2021

REVISIONS

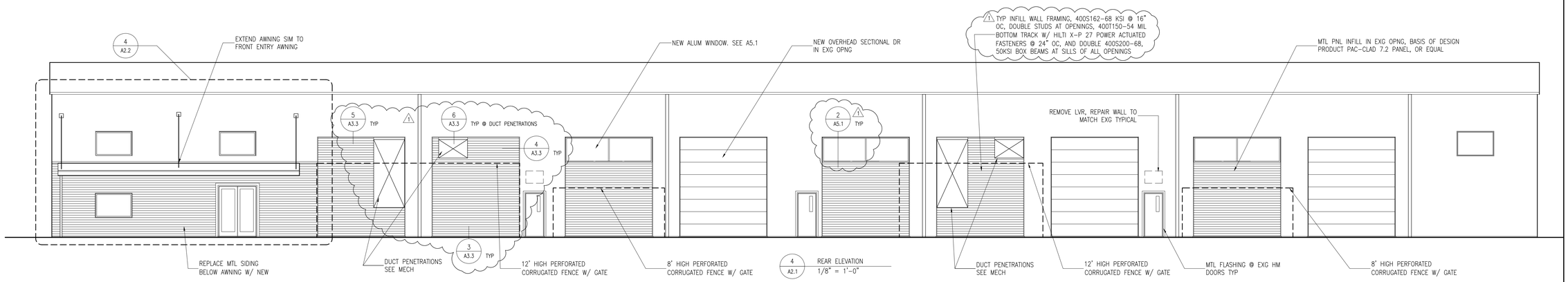
△	DATE	DESCRIPTION

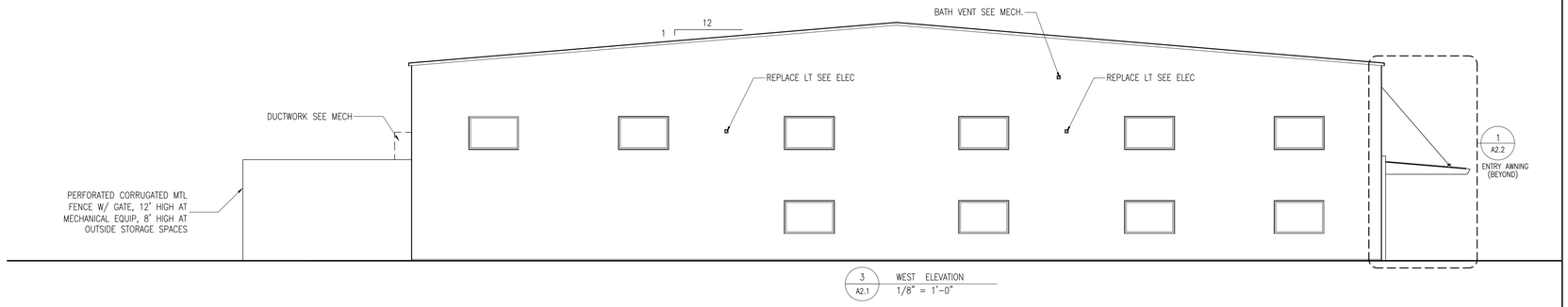
CONTENTS:

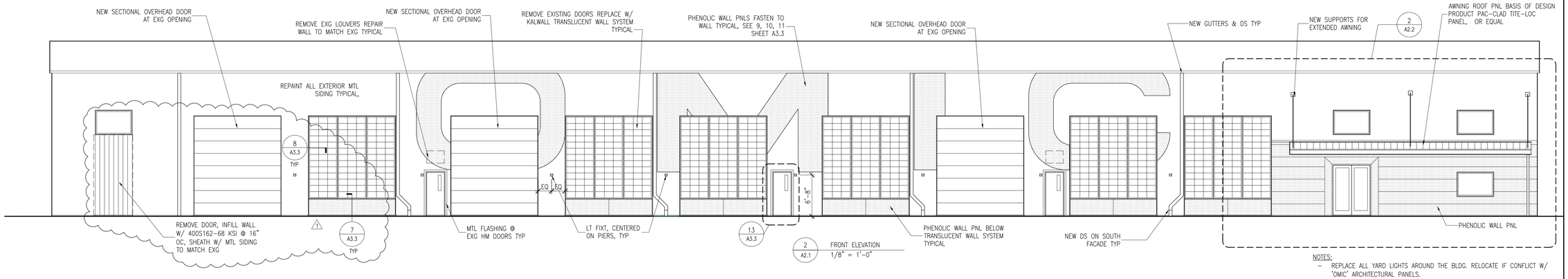
ATTIC FLOOR PLAN

SHEET NO:

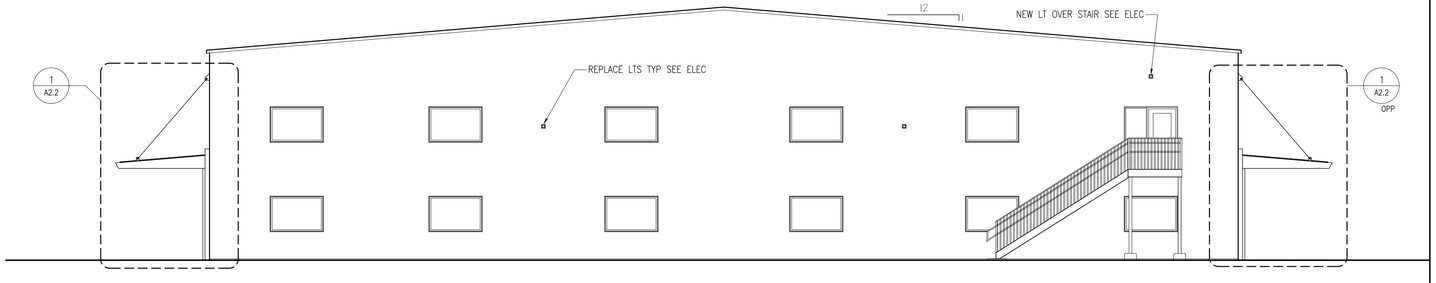
A1.5







NOTES:
- REPLACE ALL YARD LIGHTS AROUND THE BLDG. RELOCATE IF CONFLICT W/ 'OMIC' ARCHITECTURAL PANELS.
- CLOSE FOUR EXG LOUVERS W/ MTL TO MATCH EXG.
- REMOVE MISC OUTDATED ITEMS & REPAIR WALL AS REQD



FOR PERMIT

AKAAN
architecture + design llc
101 ST HELENS ST.
ST HELENS, OR 97051
T: 503 366 3050 F: 503 366 3055

REGISTERED ARCHITECT
WILLIAM ALLAN PETERSEN
ST. HELENS, OREGON
STATE OF OREGON

PROJECT TEAM:

CIVIL ENGINEER:
AKS ENGINEERING & FORESTRY
12965 SW Herman Road, Suite 100
Tualatin, OR 97062
P: 503.563.6151
F: 503.563.6152

STRUCTURAL ENGINEER:
PETERSON STRUCTURAL ENGINEERS
9400 SW Barnes Road, Suite 100
Portland, OR 97225
P. 503.292.1635

MEP ENGINEER:
FLUENT ENGINEERING INC.
2110 State Street
Salem, Oregon 97301
P. 503-447-5030

OWNER:
OMIC R&D / OREGON TECH.
Procurement and Contract Services
27500 SW Parkway Avenue
Wilsonville, OR 97070

OWNER'S REPRESENTATIVE:
CRAIG CAMPBELL, Executive Director
OMIC R&D
33701 Charles T. Parker Way
Scappoose, Oregon 97056
503-983-0573

OREGON MANUFACTURING INNOVATION CENTER R & D
33701 Charles T. Parker Way
Scappoose, Oregon 97056

SCALE: AS NOTED
DRAWN BY: KP
CHECKED BY: AP
CAD FILE: 1404-A21-elev.dwg
DATE:

REVISIONS

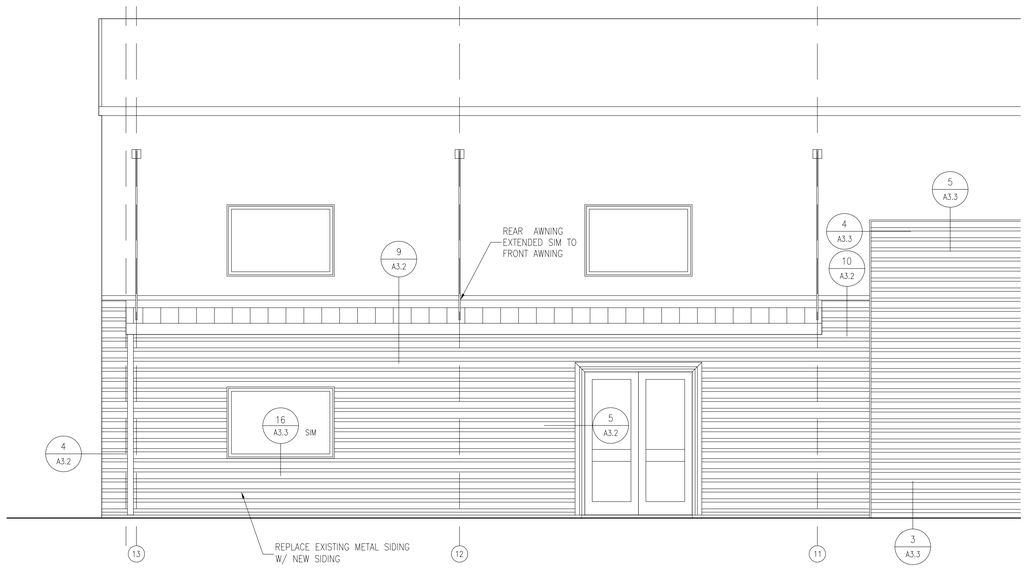
△	DATE	DESCRIPTION
1	03/23/2020	FOR BLDG OFF REV

CONTENTS:

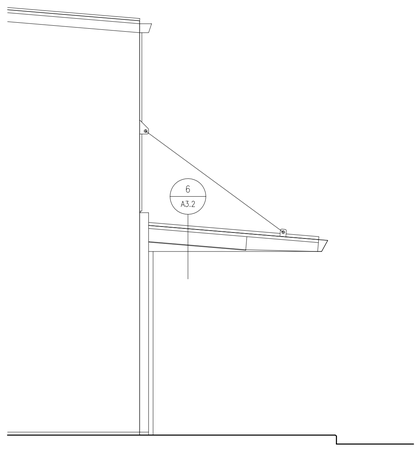
EXTERIOR ELEVATIONS

SHEET NO:

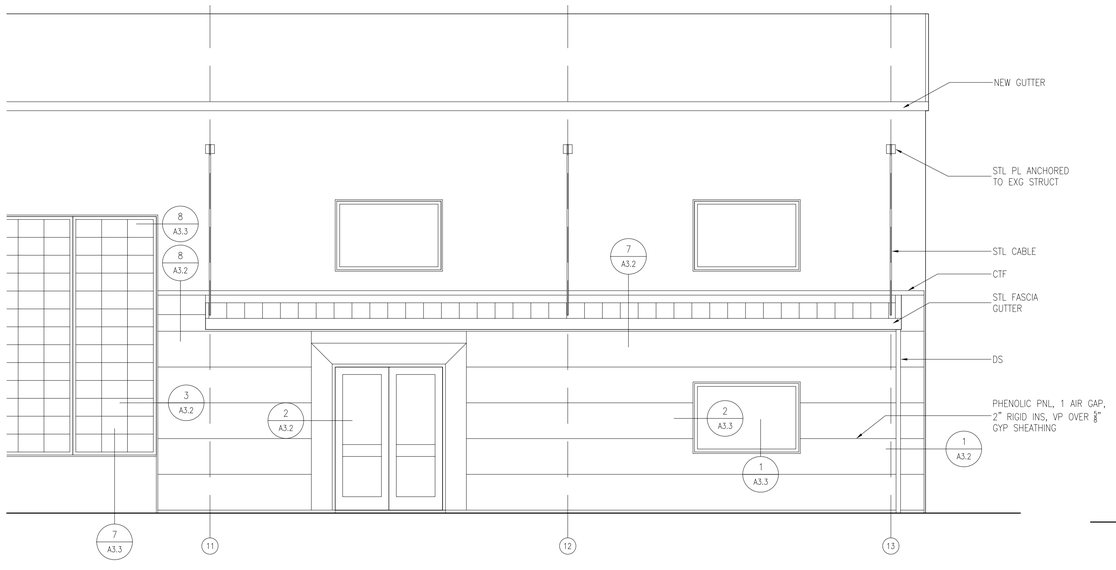
A2.1



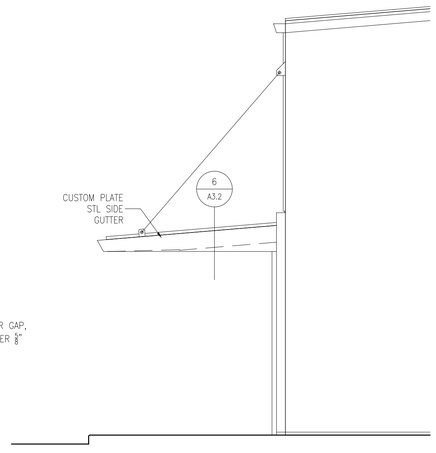
4 / A2.2 ELEVATION – NORTH ENTRY (BREAK ROOM)
1/4" = 1'-0"



1 / A2.2 SIDE ELEVATION – ENTRY AWNING
1/4" = 1'-0"



2 / A2.2 ELEVATION – MAIN ENTRY (SOUTH)
1/4" = 1'-0"



3 / A2.2 SIDE ELEVATION – ENTRY AWNING
1/4" = 1'-0"

FOR PERMIT

AKAN
architecture + design llc
101 ST HELENS ST.
ST HELENS, OR 97051
T: 503 366 3050 F: 503 366 3065

REGISTERED ARCHITECT
WILLIAM ALLAN PETERSEN
ST. HELENS, OREGON
STATE OF OREGON

PROJECT TEAM:

CIVIL ENGINEER:
AKS ENGINEERING & FORESTRY
12965 SW Herman Road, Suite 100
Tualatin, OR 97062
P: 503.563.6151
F: 503.563.6152

STRUCTURAL ENGINEER:
PETERSON STRUCTURAL ENGINEERS
9400 SW Barnes Road, Suite 100
Portland, OR 97225
P. 503.292.1635

MEP ENGINEER:
FLUENT ENGINEERING INC.
2110 State Street
Salem, Oregon 97301
P. 503-447-5030

OWNER:
OMIC R&D / OREGON TECH.
Procurement and Contract Services
27500 SW Parkway Avenue
Wilsonville, OR 97070

OWNER'S REPRESENTATIVE:
CRAIG CAMPBELL, Executive Director
OMIC R&D
33701 Charles T. Parker Way
Scappoose, Oregon 97056
503-983-0573

OREGON MANUFACTURING INNOVATION CENTER R & D

33701 Charles T. Parker Way
Scappoose, Oregon 97056

SCALE: AS NOTED
DRAWN BY: KP
CHECKED BY: .
CAD FILE: 1404-A22.DWG
DATE: JAN. 28, 2020

REVISIONS

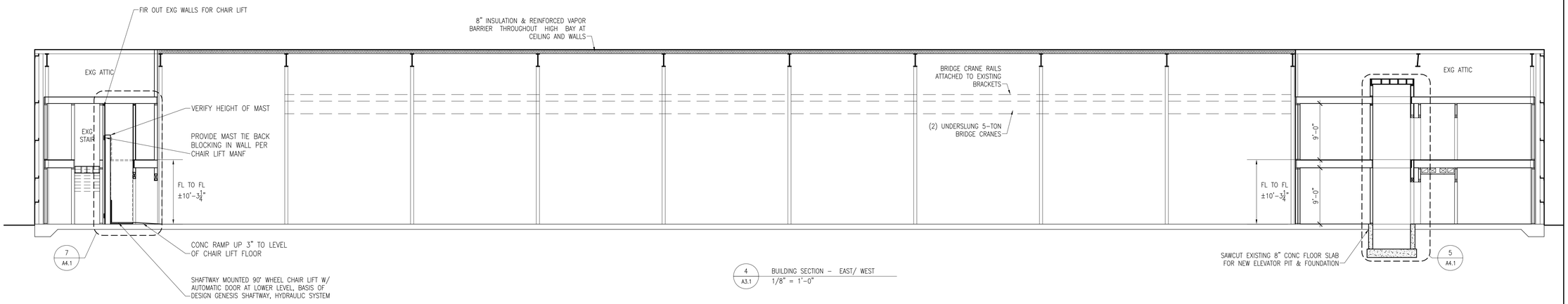
△	DATE	DESCRIPTION

CONTENTS:

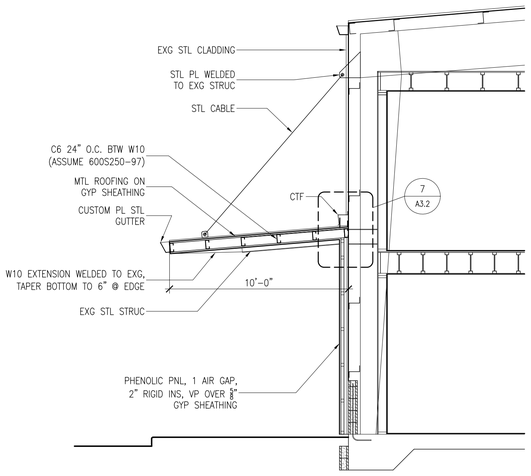
BLDG ELEVATIONS
ENTRIES

SHEET NO:

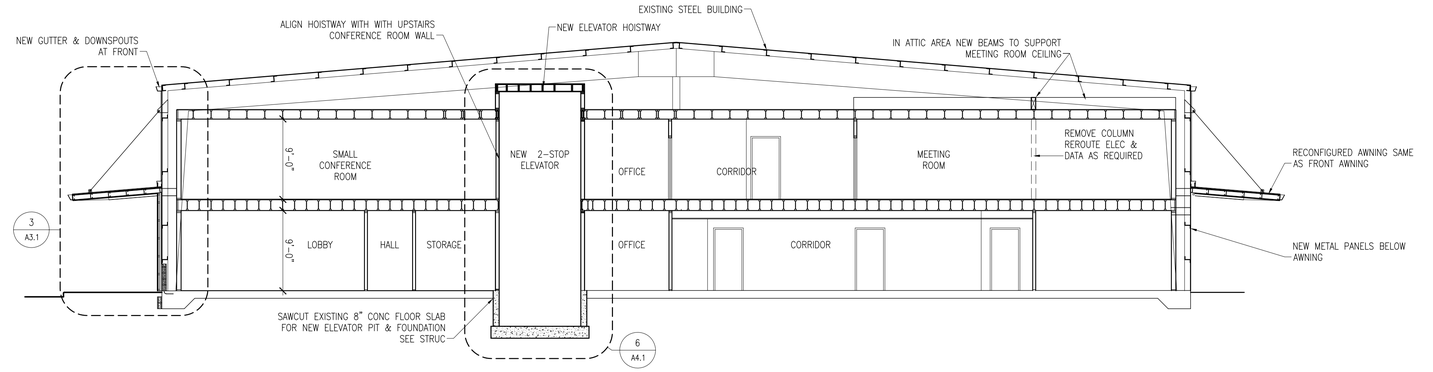
A2.2



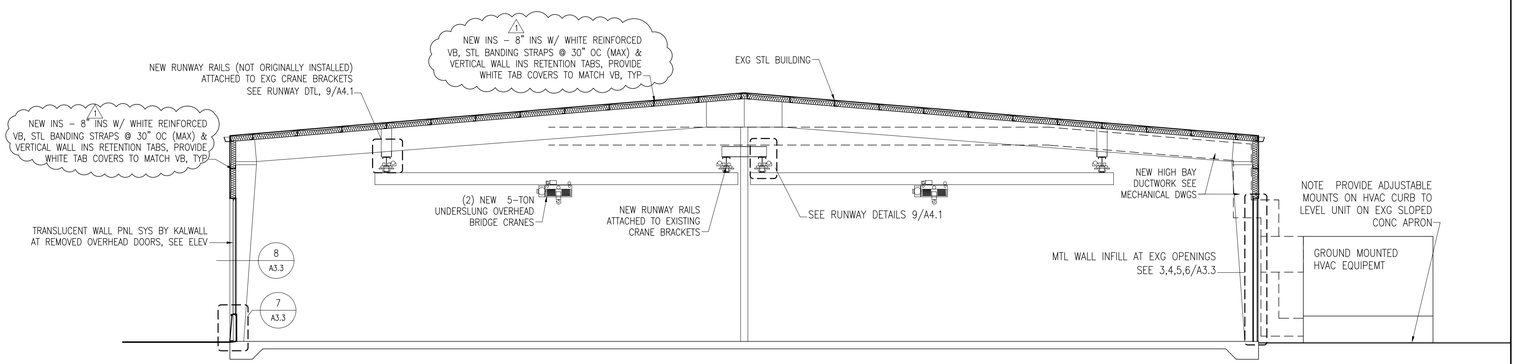
4 A3.1 BUILDING SECTION – EAST/ WEST
1/8" = 1'-0"



3 A3.1 WALL SECTION @ ENTRY AWNING
1/4" = 1'-0"



2 A3.1 BUILDING SECTION – NORTH / SOUTH AT EAST OFFICES
1/8" = 1'-0"



1 A3.1 BUILDING SECTION – NORTH / SOUTH AT HIGH-BAY
1/8" = 1'-0"

FOR PERMIT

AKAN
architecture + design llc
101 ST HELENS ST.
ST HELENS, OR 97051
T: 503 366 3050 F: 503 366 3055

REGISTERED ARCHITECT
WILLIAM ALLAN PETERSEN
ST. HELENS, OREGON
STATE OF OREGON

PROJECT TEAM:

CIVIL ENGINEER:
AKS ENGINEERING & FORESTRY
12965 SW Herman Road, Suite 100
Tualatin, OR 97062
P: 503.563.6151
F: 503.563.6152

STRUCTURAL ENGINEER:
PETERSON STRUCTURAL ENGINEERS
9400 SW Barnes Road, Suite 100
Portland, OR 97225
P. 503.292.1635

MEP ENGINEER:
FLUENT ENGINEERING INC.
2110 State Street
Salem, Oregon 97301
P. 503-447-5030

OWNER:
OMIC R&D / OREGON TECH.
Procurement and Contract Services
27500 SW Parkway Avenue
Wilsonville, OR 97070

OWNER'S REPRESENTATIVE:
CRAIG CAMPBELL, Executive Director
OMIC R&D
33701 Charles T. Parker Way
Scappoose, Oregon 97056
503-983-0573

OREGON MANUFACTURING INNOVATION CENTER R & D
33701 Charles T. Parker Way
Scappoose, Oregon 97056

SCALE:	AS NOTED
DRAWN BY:	AP
CHECKED BY:	KP
CAD FILE:	1404-A22_A31.DWG
DATE:	

REVISIONS

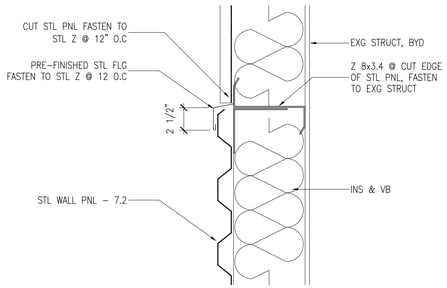
△	DATE	DESCRIPTION
1	03/26/2020	FOR BLDG OFF REV

CONTENTS:

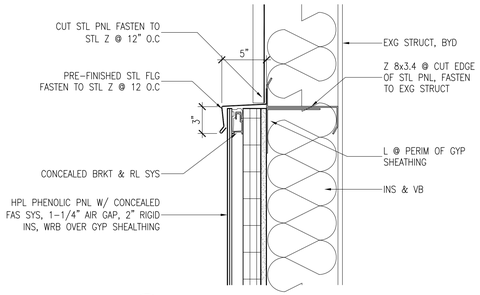
BUILDING SECTIONS

SHEET NO:

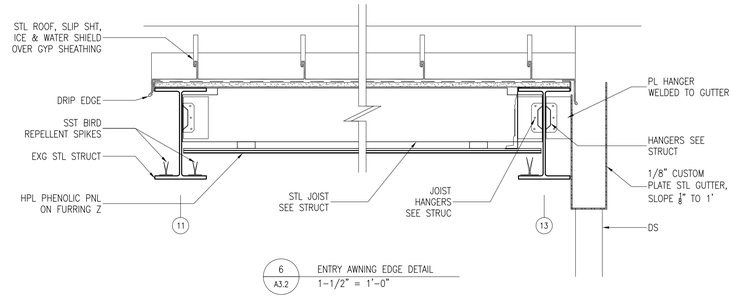
A3.1



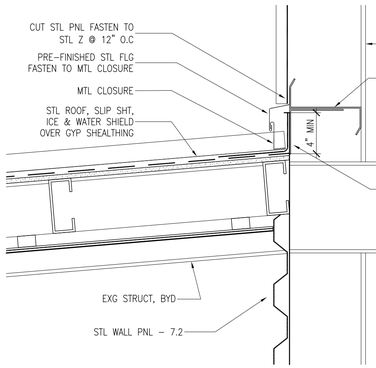
10 A3.2 DETAIL BTW NEW & EXG STL WALL PNL @ ENTRY
1-1/2" = 1'-0"



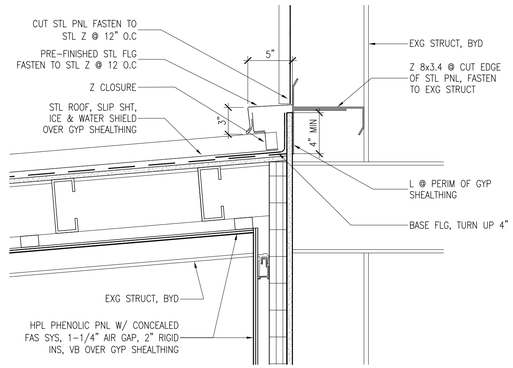
8 A3.2 DETAIL BTW PHENOLIC PNL & EXG STL WALL PNL @ ENTRY
1-1/2" = 1'-0"



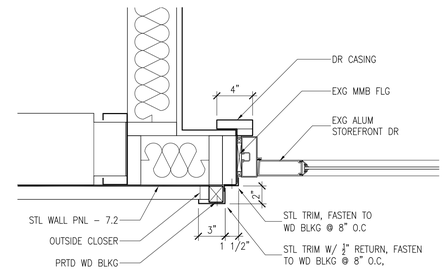
6 A3.2 ENTRY AWNING EDGE DETAIL
1-1/2" = 1'-0"



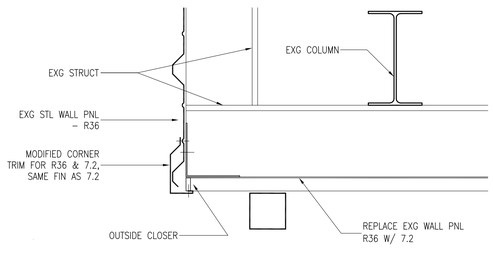
9 A3.2 DETAIL @ ENTRY AWNING
1-1/2" = 1'-0"



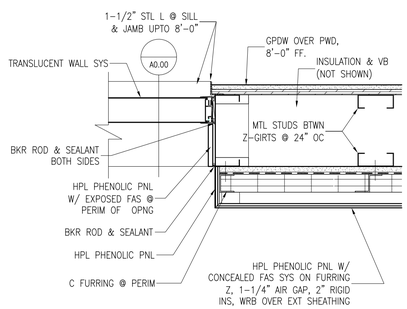
7 A3.2 DETAIL @ ENTRY AWNING
1-1/2" = 1'-0"



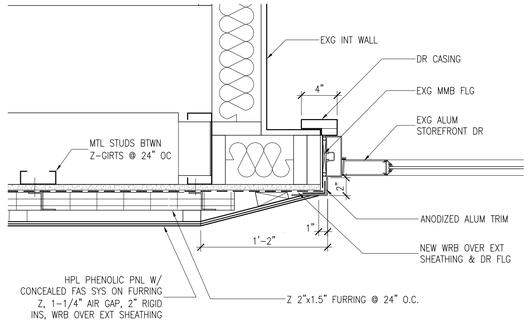
5 A3.2 DETAIL - BREAK RM DOOR JAMB (HEAD, SIM)
1-1/2" = 1'-0"



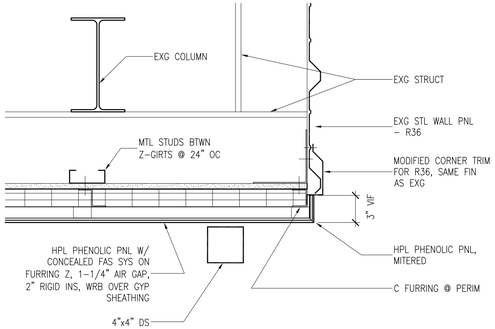
4 A3.2 DETAIL BTW EXG & NEW STL WALL PNL @ BLDG CORNER
1-1/2" = 1'-0"



3 A3.2 DETAIL - HPL PNL TO TRANSLUCENT WALL JAMB
1-1/2" = 1'-0"



2 A3.2 DETAIL - ENTRY DOOR JAMB (HEAD, SIM)
1-1/2" = 1'-0"



1 A3.2 DETAIL BTW PHENOLIC PNL & EXG STL WALL PNL @ BLDG CORNER
1-1/2" = 1'-0"

FOR PERMIT

AKAN
architecture + design llc
101 ST HELENS ST.
ST HELENS, OR 97051
T: 503 366 3050 F: 503 366 3065

REGISTERED ARCHITECT
WILLIAM ALLAN PETERSEN
ST. HELENS, OREGON
STATE OF OREGON

PROJECT TEAM:

CIVIL ENGINEER:
AKS ENGINEERING & FORESTRY
12965 SW Herman Road, Suite 100
Tualatin, OR 97062
P: 503.563.6151
F: 503.563.6152

STRUCTURAL ENGINEER:
PETERSON STRUCTURAL ENGINEERS
9400 SW Barnes Road, Suite 100
Portland, OR 97225
P. 503.292.1635

MEP ENGINEER:
FLUENT ENGINEERING INC.
2110 State Street
Salem, Oregon 97301
P. 503-447-5030

OWNER:
OMIC R&D / OREGON TECH.
Procurement and Contract Services
27500 SW Parkway Avenue
Wilsonville, OR 97070

OWNER'S REPRESENTATIVE:
CRAIG CAMPBELL, Executive Director
OMIC R&D
33701 Charles T. Parker Way
Scappoose, Oregon 97056
503-983-0573

OREGON MANUFACTURING INNOVATION CENTER R & D

33701 Charles T. Parker Way
Scappoose, Oregon 97056

SCALE:	AS NOTED
DRAWN BY:	KP
CHECKED BY:	.
CAD FILE:	1404-A32.DWG
DATE:	JAN. 28, 2020

REVISIONS

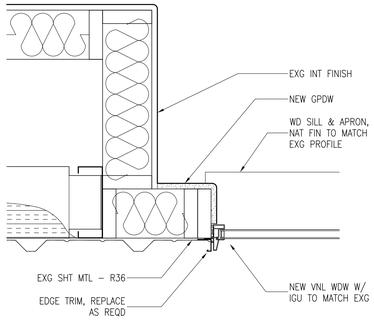
△	DATE	DESCRIPTION

CONTENTS:

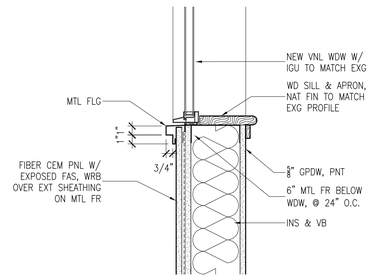
EXTERIOR DETAILS

SHEET NO:

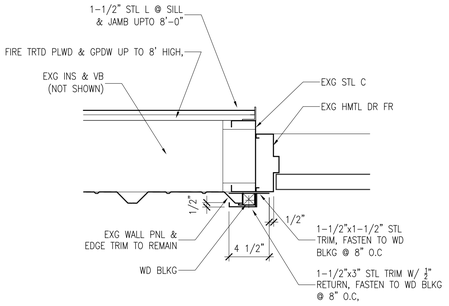
A3.2



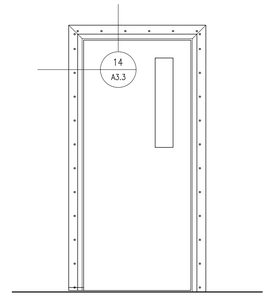
16 A3.3 DETAIL – WDW JAMB (HEAD, SIM) RM–120 MEASURING
1–1/2" = 1'–0"



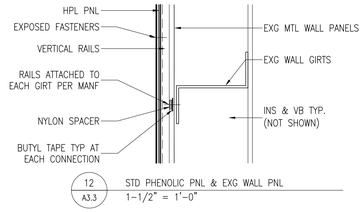
15 A3.3 DETAIL – WDW SILL @ RM–120 MEASURING
1–1/2" = 1'–0"



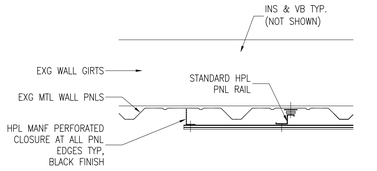
14 A3.3 DETAIL – HMT DOOR JAMB, HEAD SIMILAR
1–1/2" = 1'–0"



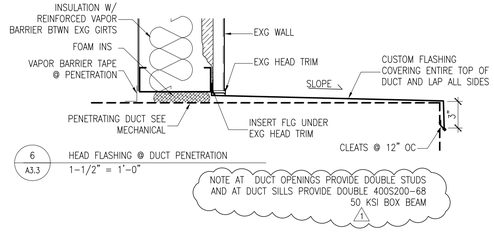
13 A3.3 EXT ELEV – HMTL DR @ HI BAY
1/2" = 1'–0"



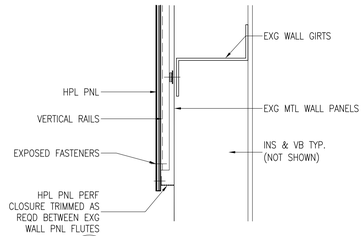
12 A3.3 STD PHENOLIC PNL & EXG WALL PNL
1–1/2" = 1'–0"



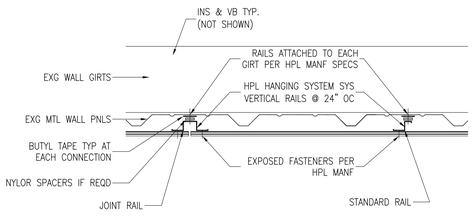
11 A3.3 STD PHENOLIC PNL EDGE DETAIL & EXG WALL PNL
1–1/2" = 1'–0"



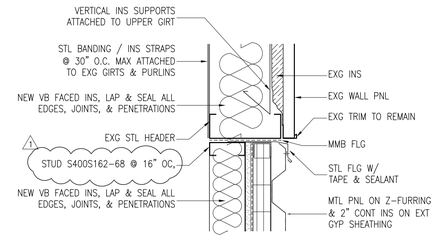
6 A3.3 HEAD FLASHING @ DUCT PENETRATION
1–1/2" = 1'–0"



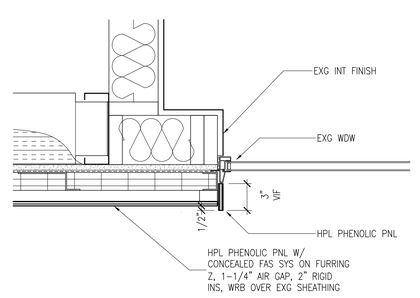
10 A3.3 STD PHENOLIC PNL EDGE DETAIL & EXG WALL PNL
1–1/2" = 1'–0"



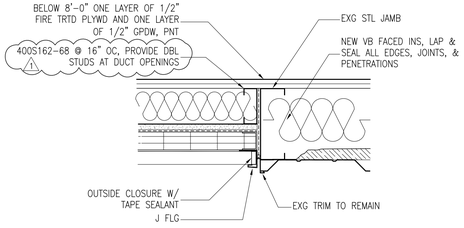
9 A3.3 STD PHENOLIC PNL & EXG WALL PNL
1–1/2" = 1'–0"



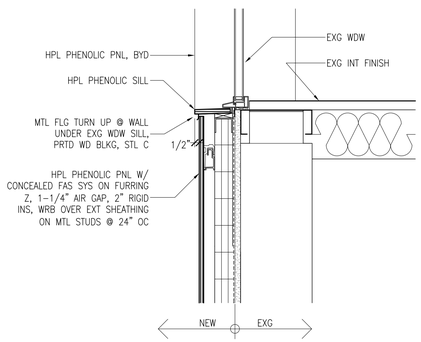
5 A3.3 METAL PNL INFILL WALL DETAIL – HEAD
1–1/2" = 1'–0"



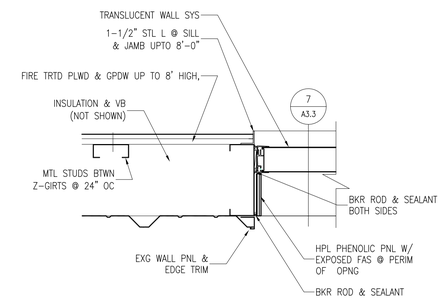
2 A3.3 DETAIL – WDW JAMB (HEAD, SIM)
1–1/2" = 1'–0"



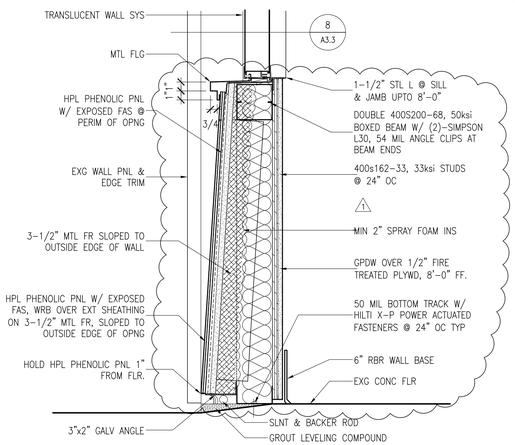
4 A3.3 METAL PNL INFILL WALL DETAIL – JAMB
1–1/2" = 1'–0"



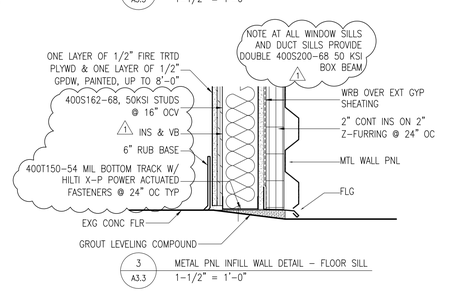
1 A3.3 DETAIL – WDW SILL
1–1/2" = 1'–0"



8 A3.3 DETAIL – TYPICAL TRANSLUCENT WALL JAMB, HEAD SIMILAR
1–1/2" = 1'–0"



7 A3.3 DETAIL – TYPICAL TRANSLUCENT WALL SILL
1–1/2" = 1'–0"



3 A3.3 METAL PNL INFILL WALL DETAIL – FLOOR SILL
1–1/2" = 1'–0"

FOR PERMIT

AKAN
architecture + design llc
101 ST HELENS ST.
ST HELENS, OR 97051
T: 503 366 3050 F: 503 366 3065

REGISTERED ARCHITECT
WILLIAM ALLAN PETERSEN
ST. HELENS, OREGON
STATE OF OREGON

PROJECT TEAM:

CIVIL ENGINEER:
AKS ENGINEERING & FORESTRY
12965 SW Herman Road, Suite 100
Tualatin, OR 97062
P: 503.563.6151
F: 503.563.6152

STRUCTURAL ENGINEER:
PETERSON STRUCTURAL ENGINEERS
9400 SW Barnes Road, Suite 100
Portland, OR 97225
P. 503.292.1635

MEP ENGINEER:
FLUENT ENGINEERING INC.
2110 State Street
Salem, Oregon 97301
P. 503-447-5030

OWNER:
OMIC R&D / OREGON TECH.
Procurement and Contract Services
27500 SW Parkway Avenue
Wilsonville, OR 97070

OWNER'S REPRESENTATIVE:
CRAIG CAMPBELL, Executive Director
OMIC R&D
33701 Charles T. Parker Way
Scappoose, Oregon 97056
503-983-0573

OREGON MANUFACTURING INNOVATION CENTER R & D
33701 Charles T. Parker Way
Scappoose, Oregon 97056

SCALE:	AS NOTED
DRAWN BY:	KP
CHECKED BY:	AP
CAD FILE:	1404-A33.DWG
DATE:	

REVISIONS

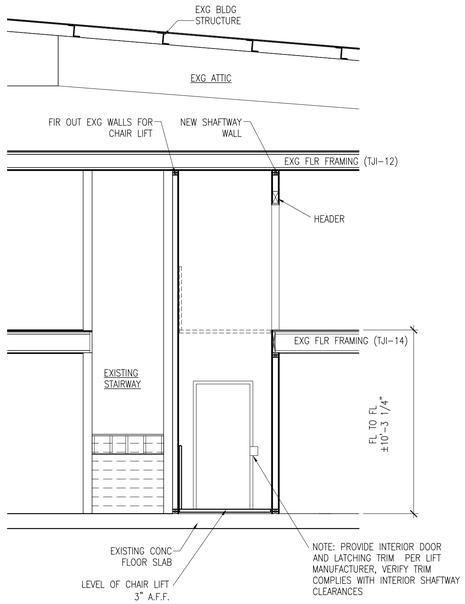
△	DATE	DESCRIPTION
1	03/26/2020	FOR BLDG OFF REV

CONTENTS:

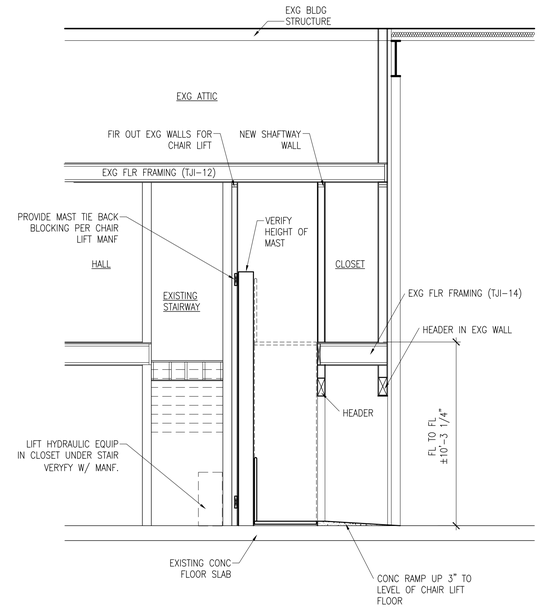
EXTERIOR DETAILS

SHEET NO:

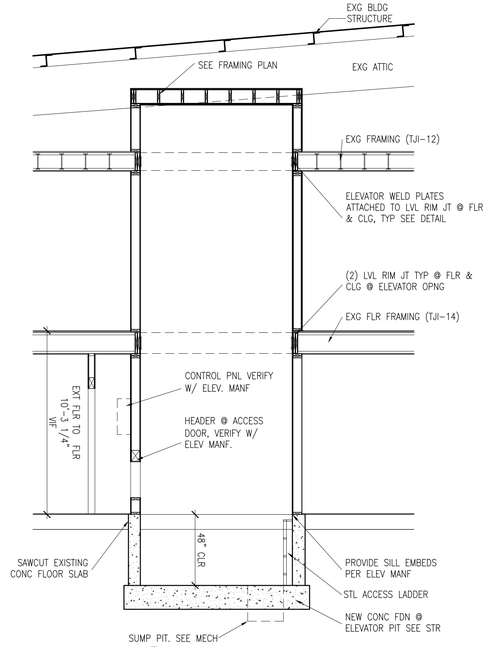
A3.3



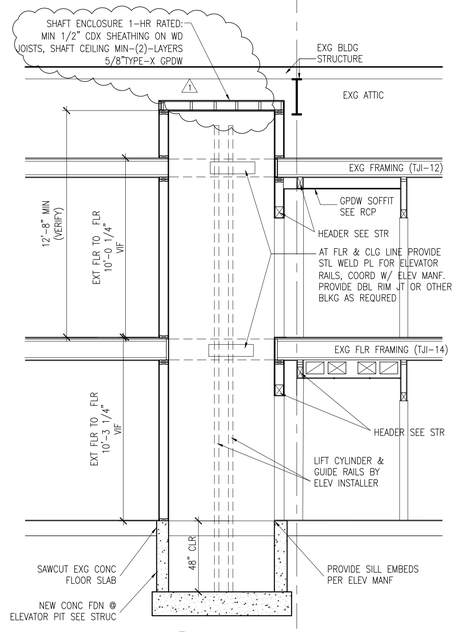
8 A4.1 WHEELCHAIR LIFT SECTION
1/4" = 1'-0"



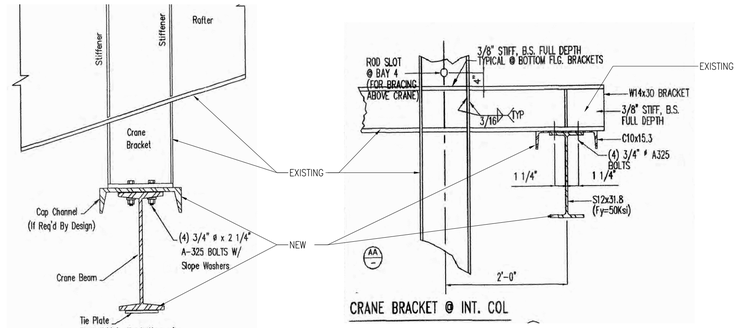
7 A4.1 WHEELCHAIR LIFT SECTION
1/4" = 1'-0"



6 A4.1 ELEVATOR SECTION
1/4" = 1'-0"



5 A4.1 ELEVATOR SECTION
1/4" = 1'-0"



UNDER HUNG CRANE BRACKET DETAIL

CRANE BRACKET @ INT. COL

	WSP #	DESCRIPTION	WELD CODE	PROCESS	PREQ	POSITION	LIMITATION	F	T	MA	A	MO	LX	H	CA
#1	Weld 1	SQ. GROOVE BUTT JOINT	AWS D1.1-06	GMAW	YES	1G	3/8" Max.	X	X	X		X	X	X	X
#2	Weld 2	SQ. GROOVE BUTT JOINT	AWS D1.1-06	GMAW	YES	1G	T1=3/8" Max.	X	X	X		X	X		X
#3	Weld 3	SINGLE-V-GROOVE	AWS D1.1-06	GMAW	YES	1G	Unlimited	X	X	T		X	X		X
#4	Weld 4	SINGLE-V-GROOVE	AWS D1.1-06	GMAW	YES	1G	Unlimited	X	X	X		X	X		X
#5	Weld 5	SINGLE BEVEL GROVE	AWS D1.1-06	GMAW	PQR	2G	Unlimited	X	X	X		X	X		X
#6	Weld 6	FILLET	AWS D1.1-06	GMAW	YES	2F	Unlimited	X	X	X		X	X		X
#7	Weld 7	Plye W/Commercial Backing	AWS D1.1-06	GMAW	YES	1G Rot.	Unlimited	X				X		X	X
#8	Weld 8	SINGLE-V-GROOVE for PIPE	AWS D1.1-06	GMAW	PQR	1G Rot.	4"ø Up-3/4 Max T	X				X		X	X
#8a	Weld 8a	SINGLE-V-GROOVE for TUBE	AWS D1.1-06	GMAW	PQR	1G Rot.	Unlimited	X				X		X	X
#9	Weld 9	FILLET WELD for PIPE	AWS D1.1-06	GMAW	YES	2F Rot.	Unlimited	X				X		X	X
#9a	Weld 9a	FLARE-BEVEL for TUBE	AWS D1.1-06	GMAW	YES	1G	3/16" Wall min.	X							X
#10	Weld 10	SQUARE GROOVE-SAW/GMAW	AWS D1.1-06	SAW/GMAW	PQR	1G	1 1/2" Max.	X				X	X		X
#10c	Weld 10c	SQUARE GROOVE (1 SIDE)	AWS D1.1-06	SAW	PQR	1G	3/4" Max.	X				X	X		X
#11	Weld 11	3G/1G Square Groove Splice	AWS D1.1-06	GMAW	PQR	3G,1G	3/4" Max.	X							X
#15	Weld 15	COMRAC FILLET (5/64" WIRE)	AWS D1.1-06	SAW	YES	2F	1/2" Max. Web	X				X	X		X
#16	Weld 16	DOUBLE V GROOVE	AWS D1.1-06	GMAW	YES	ALL	Unlimited	X							
#20	WSP-3GFB	FLARE-V-GROOVE BUTT JOINT	AWS D1.3-98	GMAW	PQR	1G	16 ga To 12 ga (SHT)					X			
#20	WSP-3GFB	FLARE-V-GROOVE BUTT JOINT	AWS D1.3-98	GMAW	PQR	1G	16 ga To 12 ga	X	X	X	X			X	X
#20g	WSP-3GFB-G	FLARE-V-GROOVE BUTT JOINT	AWS D1.3-98	GMAW	PQR	1G	16 ga To 12 ga	X	X	X	X			X	X
#21	WSP-3GH9	FLARE BEVEL GROOVE	AWS D1.3-98	GMAW	PQR	2G	16 ga To 12 ga (SHT)					X			
#21	WSP-3GH9	FLARE BEVEL GROOVE	AWS D1.3-98	GMAW	PQR	2G	16 ga To 12 ga	X	X	X	X			X	X
#21g	WSP-3GH9-G	FLARE BEVEL GROOVE	AWS D1.3-98	GMAW	PQR	2G	16 ga To 12 ga	X	X	X	X			X	X
#25	WSP-3GH10	T-JOINT FILLET	AWS D1.3-98	GMAW	PQR	2F	16 ga To 12 ga (SHT)					X			
#25	WSP-3GH10	T-JOINT FILLET	AWS D1.3-98	GMAW	PQR	2F	16 ga To 12 ga	X	X	X	X			X	X
#25g	WSP-3GH10-G	T-JOINT FILLET	AWS D1.3-98	GMAW	PQR	2F	16 ga To 12 ga	X	X	X	X			X	X
#26	WSP-3GF11	SQ. GROOVE BUTT BOTH SIDES	AWS D1.3-98	GMAW	PQR	1G	16 ga To 12 ga	X						X	
#26g	WSP-3GF11-G	SQ. GROOVE BUTT BOTH SIDES	AWS D1.3-98	GMAW	PQR	1G	16 ga To 12 ga	X						X	
#27	WSP-3GF11A	SQ. GROOVE BUTT ONE SIDE	AWS D1.3-98	GMAW	PQR	1G	16 ga To 12 ga		X	X	X			X	
#27g	WSP-3GF11A-G	SQ. GROOVE BUTT ONE SIDE	AWS D1.3-98	GMAW	PQR	1G	16 ga To 12 ga	X	X	X	X			X	
#28	WSP-3GF12	T-FILLET 0.045" WIRE	AWS D1.3-98	GMAW	PQR	2F	16 ga To 12 ga	X							X
#30	TACK-GMAW	TACK WELD HORIZONTAL	AWS D1.1-06	GMAW	PQR	1G	Horiz.Only	X	X	X		X	X	X	X
#31	TACK-GMAW-3F	TACK WELD VERTICAL	AWS D1.1-06	GMAW	PQR	3F	Vert Dwn Only	X	X	X		X	X	X	X

F – FAIRVIEW, HOUSTON MA – MATTOON, IL CA – CARYVILLE, TN H – HERNANDO, MS
T – TALLAPOOSA, GA A – ATWATER, CA MO – MONTERREY, MEXICO LX – LEXINGTON, TN

WSP2

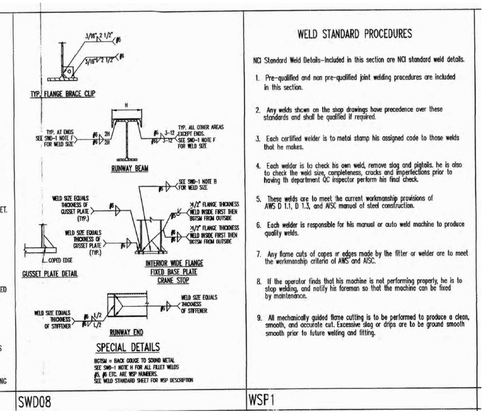
WELD STANDARD GENERAL NOTES

SIZES OF FILLET WELD FOR WEB TO FLANGE WELD.

WEB THICKNESS	FLANGE THICKNESS		
	3/4"	1/4" TO 1/2"	OVER 1/2"
TO 1/4" INCL	3/16"	3/16"	3/16"
1/4"	SEE NOTE A	3/16"	1/4"
5/16"		1/4"	5/16"
3/8"		5/16"	5/16"
OVER 3/8"	SEE NOTE "C"		

NOTES:
A. 3/16" FLANGES ARE NOT TO BE USED FOR WEB THICKNESS OF 1/4" OR OVER UNLESS SPECIFIED BY ENGINEERING.
B. WELD SIZE EQUAL TO THICKNESS OF WEB.
C. FOR WEB THICKNESS OVER 3/8" ALL FILLET SIZES ARE TO BE SPECIFIED BY ENGINEERING.
D. WELD BOTH SIDES OF WEB TO FLANGE 3" BEYOND BOTH ENDS OF BRACKET.
E. MINIMUM WELD SIZES ARE DETERMINED BY THE FOLLOWING CRITERIA:
(t = THICKNESS OF THINNER PART)
IF t < 1/2" WELD SIZE = THICKNESS OF THINNER PART + 1/16"
IF t ≥ 1/2" WELD SIZE = FULL PENETRATION
F. WELD SIZE IS TO BE 1/16" LESS THAN THICKER PART, BUT NOT TO EXCEED THICKNESS OF THINNER PART. (MAX. SIZE: 5/8")
G. OPPOSITE SIDE WELD LENGTH TO BE "a" DIMENSION PLUS 3 INCHES, AND "b" DIMENSION PLUS 3 INCHES.
H. THE PARTS TO BE JOINED BY FILLET WELDS SHALL BE BROUGHT INTO AS CLOSE CONTACT AS PRACTICAL. THE ROOT OPENING SHALL NOT EXCEED 3/16 INCH.
IF THE SEPARATION IS GREATER THAN 1/16 INCH, THE LEG OF THE FILLET WELD SHALL BE INCREASED BY THE AMOUNT OF THE ROOT OPENING

SWD01



SWD08

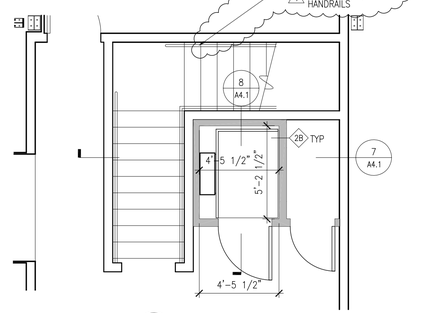
WELD STANDARD PROCEDURES

NCI Standard Weld Details-Included in this section are NCI standard weld details.

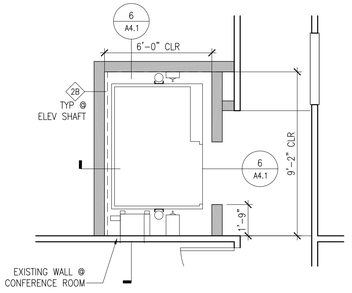
1. Pre-qualified and non pre-qualified joint welding procedures are included in this section.
2. Any welds shown on the shop drawings have precedence over these standards and shall be qualified if required.
3. Each certified welder is to metal stamp his assigned code to those welds that he makes.
4. Each welder is to check his own weld, remove slag and pigtails. he is also to check the weld size, completeness, cracks and imperfections prior to having th department QC inspector perform his final check.
5. These welds are to meet the current workmanship provisions of AWS D 1.1, D 1.3, and AISC manual of steel construction.
6. Each welder is responsible for his manual or auto weld machine to produce quality welds.
7. Any flame cuts of copes or edges made by the fitter or welder are to meet the workmanship criteria of AWS and AISC.
8. If the operator finds that his machine is not performing properly, he is to stop welding, and notify his foreman so that the machine can be fixed by maintenance.
9. All mechanically guided flame cutting is to be performed to produce a clean, smooth, and accurate cut. Excessive slag or drips are to be ground smooth smooth prior to future welding and fitting.

WSF1

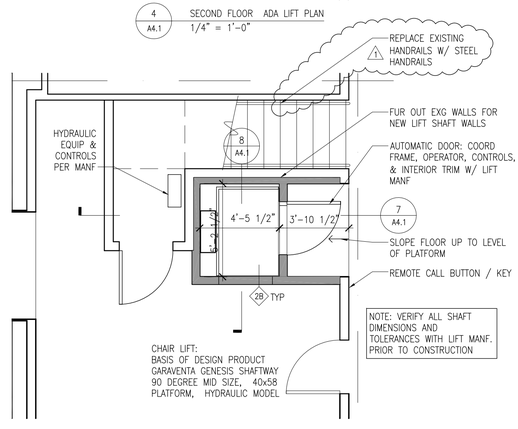
9 A4.1 CRANE RUNWAY DETAILS AND WELDING – AS ORIGINALLY DESIGNED FOR BUILDING – FOR 5-TON UNDERSLUNG CRANE
NOT TO SCALE



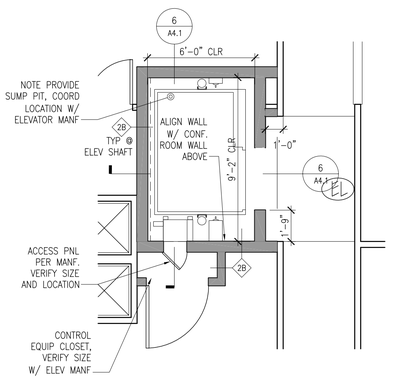
4 A4.1 SECOND FLOOR ADA LIFT PLAN
1/4" = 1'-0"



2 A4.1 SECOND FLOOR ELEVATOR PLAN
1/4" = 1'-0"



3 A4.1 FIRST FLOOR ADA LIFT PLAN
1/4" = 1'-0"



1 A4.1 FIRST FLOOR ELEVATOR PLAN
1/4" = 1'-0"

FOR PERMIT

AKAAN
architecture + design llc
101 ST HELENS ST.
ST HELENS, OR 97051
T: 503 366 3050 F: 503 366 3065

REGISTERED ARCHITECT
WILLIAM ALLAN PETERSEN
ST. HELENS, OREGON
STATE OF OREGON

PROJECT TEAM:

CIVIL ENGINEER:
AKS ENGINEERING & FORESTRY
12965 SW Herman Road, Suite 100
Tualatin, OR 97062
P: 503.563.6151
F: 503.563.6152

STRUCTURAL ENGINEER:
PETERSON STRUCTURAL ENGINEERS
9400 SW Barnes Road, Suite 100
Portland, OR 97225
P. 503.292.1635

MEP ENGINEER:
FLUENT ENGINEERING INC.
2110 State Street
Salem, Oregon 97301
P. 503-447-5030

OWNER:
OMIC R&D / OREGON TECH.
Procurement and Contract Services
27500 SW Parkway Avenue
Wilsonville, OR 97070

OWNER'S REPRESENTATIVE:
CRAIG CAMPBELL, Executive Director
OMIC R&D
33701 Charles T. Parker Way
Scappoose, Oregon 97056
503-983-0573

OREGON MANUFACTURING INNOVATION CENTER R & D
33701 Charles T. Parker Way
Scappoose, Oregon 97056

SCALE: AS NOTED
DRAWN BY: KP
CHECKED BY: AP
CAD FILE: 1404-A41.DWG
DATE:

REVISIONS

△	DATE	DESCRIPTION
1	03/26/2020	FOR BLDG OFF REV

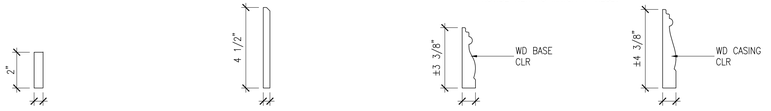
CONTENTS:

ENLARGED PLANS, SECTIONS & DETAILS

SHEET NO:

A4.1

SALVAGE WOOD BASE & TRIM FROM CORRIDORS FOR REUSE ELSEWHERE, PROVIDE NEW TO MATCH IF REQD.



1/2" — NEW WOOD TRIM AT EXISTING INTERIOR CORRIDOR WINDOWS, PAINTED

3/8" — NEW FLOOR BASE TARKETT MILLWORK MANDALAY MW-XX-H

3/4" — EXISTING WD BASE AND INTERIOR WINDOW CASING VERIFY

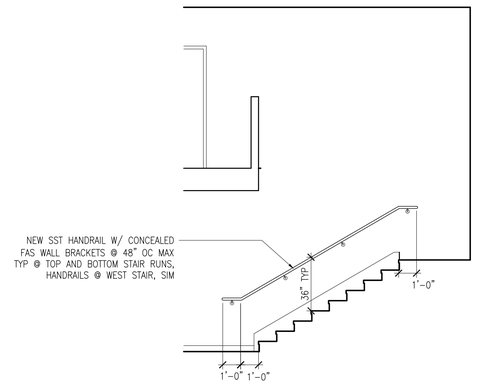
3/4" — EXISTING WD DOOR CASING VERIFY

13 / A4.2 WINDOW TRIM 3" = 1'-0"

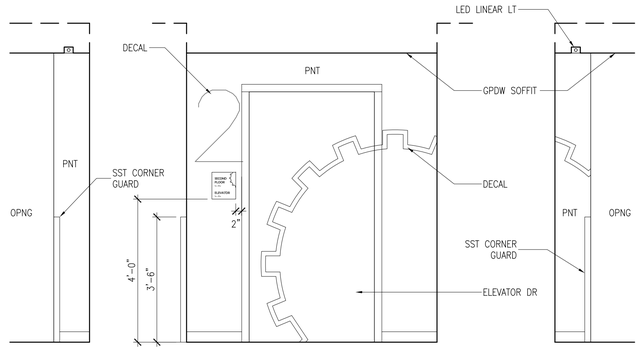
12 / A4.2 BASE MOLDING 3" = 1'-0"

11 / A4.2 MOLDINGS 3" = 1'-0"

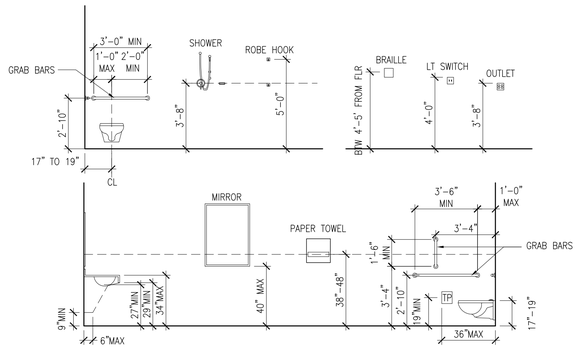
10 / A4.2 MOLDINGS 3" = 1'-0"



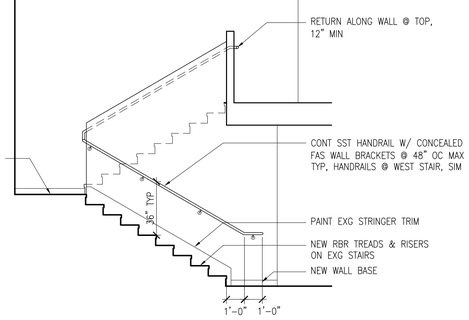
9 / A4.2 TYPICAL WALL MTD HANDRAIL (TOP AND BOTTOM STAIR RUNS) 1/4" = 1'=0"



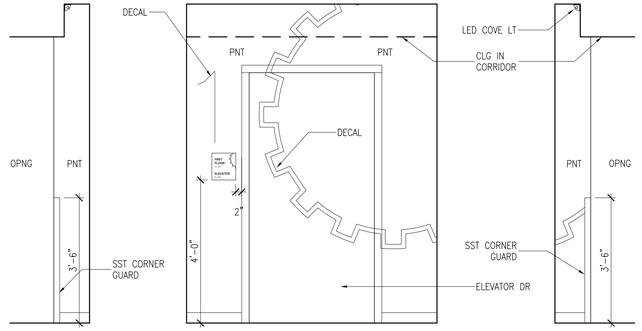
7 / A4.2 ELEVATOR DOOR NICHE – 2ND FLOOR 1/2" = 1'-0"



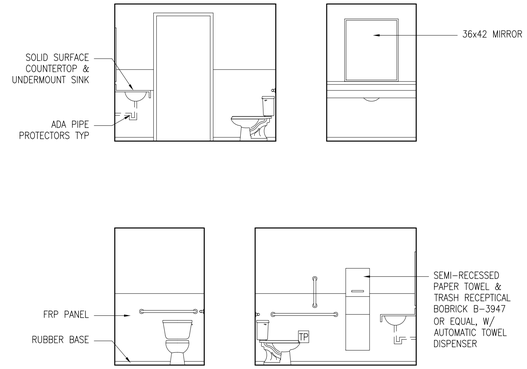
3 / A4.2 ACCESSIBLE MOUNTING HEIGHT DIAGRAM 1/4" = 1'=0"



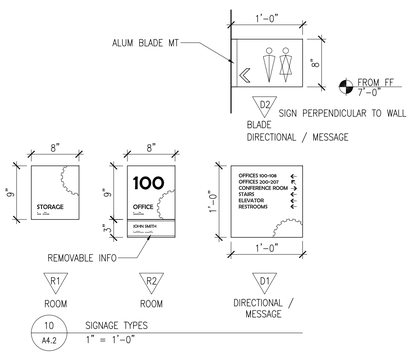
8 / A4.2 STAIR & TYPICAL CENTER HANDRAIL ELEVATION 1/4" = 1'=0"



6 / A4.2 ELEVATOR DOOR NICHE – 1ST FLOOR 1/2" = 1'-0"

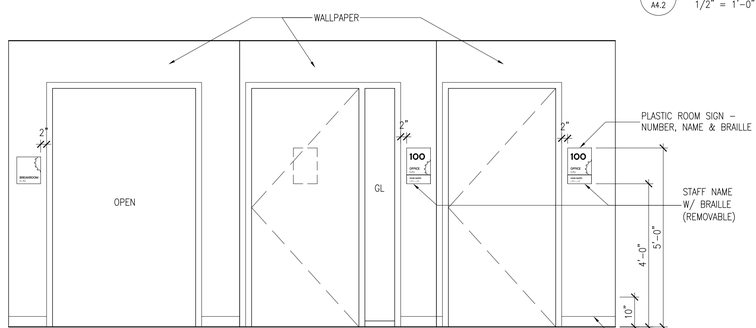


2 / A4.2 RESTROOM ELEVATIONS 1/4" = 1'=0"



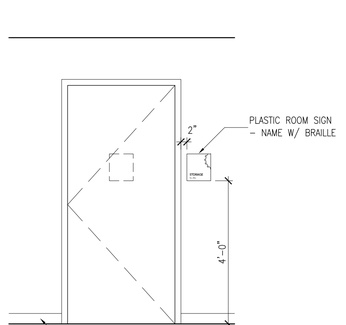
10 / A4.2 SIGNAGE TYPES 1" = 1'-0"

NOTES:
- ALL SIGNS TO MEET ADAAG SIGNAGE REQUIREMENTS
- SEE DOOR SCHED FOR ROOM SIGN INFO
- TEXT & GRAPHICS FOR DIRECTIONAL SIGNS (D) & MESSAGE SIGNS (M) TO BE DETERMINED BY ARCHITECT OR OWNER

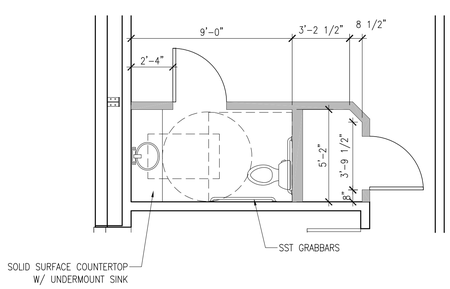


5 / A4.2 CORRIDOR ELEV & ROOM SIGNAGE FOR OFFICES – R2 1/2" = 1'-0"

NOTES:
- ROOM SIGN TO BE PLACED ON THE WALL AND LOCATED ON DOOR STRIKE SIDE OR ON THE ONCOMING TRAFFIC SIDE OF THE OPENING IF THERE IS NO DOOR LEAF.
- ROOM SIGN TO BE PLACED ON DOOR ONLY IF THERE IS NOT ENOUGH ROOM ON THE WALL NEXT TO THE DOOR.
- CONTENTS OF DIRECTIONAL SIGNS AND MESSAGE SIGNS TO BE DETERMINED BY ARCHITECT OR OWNER.



4 / A4.2 TYP ROOM SIGNAGE – R1 1/2" = 1'-0"



1 / A4.2 ENLARGED RESTROOM PLAN 1/4" = 1'=0"

FOR PERMIT

AKAN architecture + design llc
101 ST HELENS ST.
ST HELENS, OR 97051
T: 503 366 3050 F: 503 366 3065

REGISTERED ARCHITECT
WILLIAM ALLAN PETERSEN
ST. HELENS, OREGON
STATE OF OREGON

PROJECT TEAM:

CIVIL ENGINEER:
AKS ENGINEERING & FORESTRY
12965 SW Herman Road, Suite 100
Tualatin, OR 97062
P: 503.563.6151
F: 503.563.6152

STRUCTURAL ENGINEER:
PETERSON STRUCTURAL ENGINEERS
9400 SW Barnes Road, Suite 100
Portland, OR 97225
P. 503.292.1635

MEP ENGINEER:
FLUENT ENGINEERING INC.
2110 State Street
Salem, Oregon 97301
P. 503-447-5030

OWNER:
OMIC R&D / OREGON TECH.
Procurement and Contract Services
27500 SW Parkway Avenue
Wilsonville, OR 97070

OWNER'S REPRESENTATIVE:
CRAIG CAMPBELL, Executive Director
OMIC R&D
33701 Charles T. Parker Way
Scappoose, Oregon 97056
503-983-0573

OREGON MANUFACTURING INNOVATION CENTER R & D
33701 Charles T. Parker Way
Scappoose, Oregon 97056

SCALE:	AS NOTED
DRAWN BY:	KP
CHECKED BY:	AP
CAD FILE:	1404-A42.DWG
DATE:	JAN. 28, 2020

REVISIONS

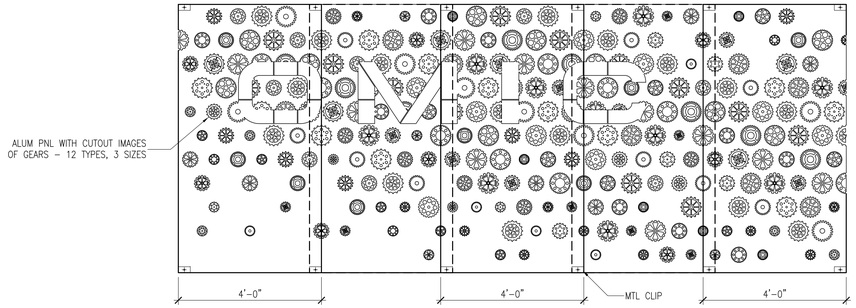
△	DATE	DESCRIPTION

CONTENTS:

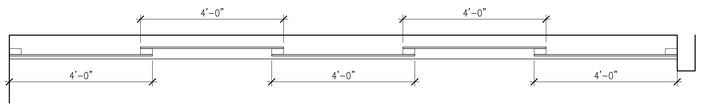
INTERIOR ELEVATIONS & DETAILS

SHEET NO:

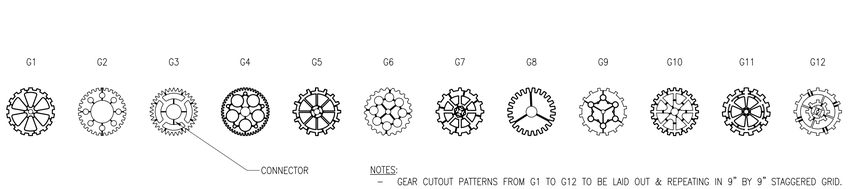
A4.2



6 A4.3 ELEVATOIN – CUTOUT METAL PNL
1/2" = 1'–0"

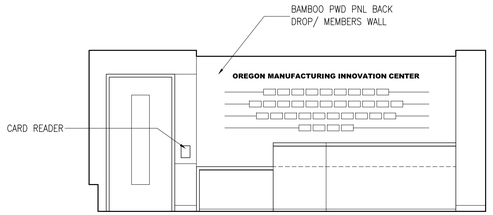


7 A4.3 PLAN DETAIL – CUTOUT METAL PNL
1/2" = 1'–0"

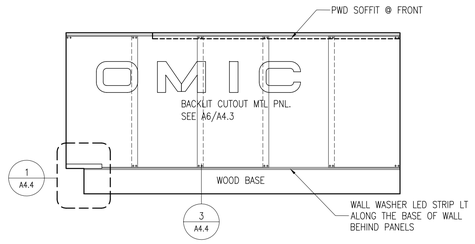


NOTES:
- GEAR CUTOUT PATTERNS FROM G1 TO G12 TO BE LAID OUT & REPEATING IN 9" BY 9" STAGGERED GRID.
- THERE ARE 3 SIZES OF CUTOUTS: 8", 6", AND 4" IN DIA.
- CONNECTORS BETWEEN FLOATING PIECES TO BE $\frac{1}{8}$" WIDE.

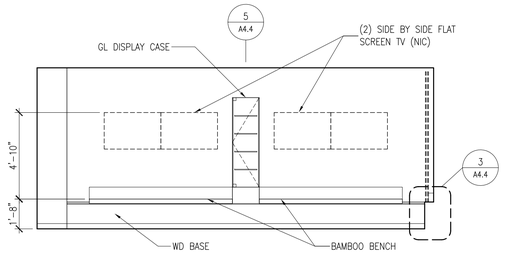
8 A4.3 CUTOUT DESIGN ON MTL PNL
NTS



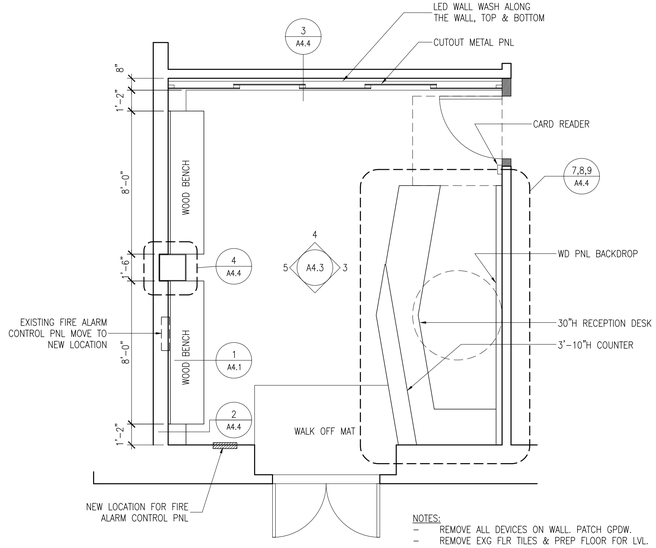
3 A4.3 RECEPTION AREA ELEVATION – EAST
1/4" = 1'–0"



4 A4.3 RECEPTION AREA ELEVATION – NORTH
1/4" = 1'–0"

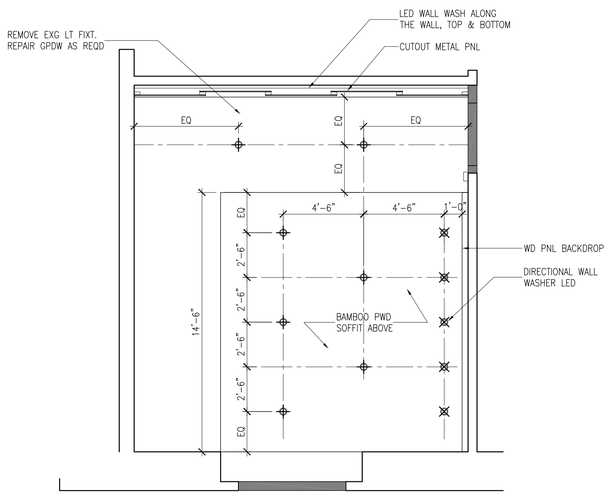


5 A4.3 RECEPTION AREA ELEVATION – WEST
1/4" = 1'–0"



NOTES:
- REMOVE ALL DEVICES ON WALL. PATCH GPDW.
- REMOVE EXG FLR TILES & PREP FLOOR FOR LVL.

1 A4.3 PLAN – RECEPTION AREA
1/4" = 1'–0"



2 A4.3 RCP – RECEPTION
1/4" = 1'–0"

FOR PERMIT

AKAN
architecture + design llc
101 ST HELENS ST.
ST HELENS, OR 97051
T: 503 366 3050 F: 503 366 3055

REGISTERED ARCHITECT
WILLIAM ALLAN PETERSEN
ST. HELENS, OREGON
STATE OF OREGON

PROJECT TEAM:

CIVIL ENGINEER:
AKS ENGINEERING & FORESTRY
12965 SW Herman Road, Suite 100
Tualatin, OR 97062
P: 503.563.6151
F: 503.563.6152

STRUCTURAL ENGINEER:
PETERSON STRUCTURAL ENGINEERS
9400 SW Barnes Road, Suite 100
Portland, OR 97225
P. 503.292.1635

MEP ENGINEER:
FLUENT ENGINEERING INC.
2110 State Street
Salem, Oregon 97301
P. 503-447-5030

OWNER:
OMIC R&D / OREGON TECH.
Procurement and Contract Services
27500 SW Parkway Avenue
Wilsonville, OR 97070

OWNER'S REPRESENTATIVE:
CRAIG CAMPBELL, Executive Director
OMIC R&D
33701 Charles T. Parker Way
Scappoose, Oregon 97056
503-983-0573

OREGON MANUFACTURING INNOVATION CENTER R & D
33701 Charles T. Parker Way
Scappoose, Oregon 97056

SCALE:	AS NOTED
DRAWN BY:	KP
CHECKED BY:	-
CAD FILE:	604A_A43-44.DWG
DATE:	JAN. 28, 2020

REVISIONS

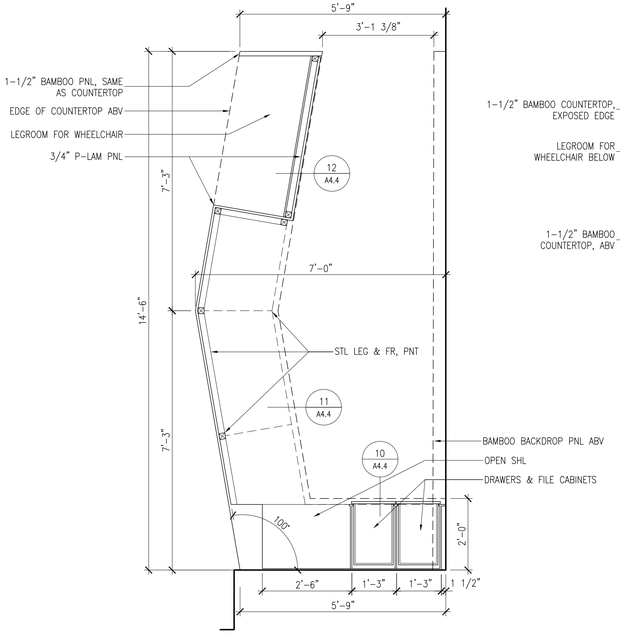
△	DATE	DESCRIPTION

CONTENTS:

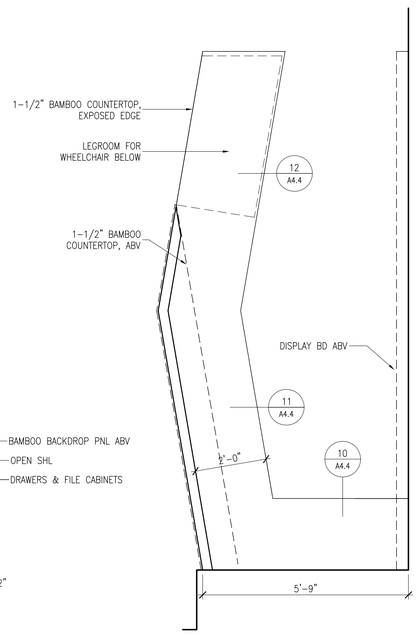
INTERIOR ELEVATIONS & DETAILS

SHEET NO:

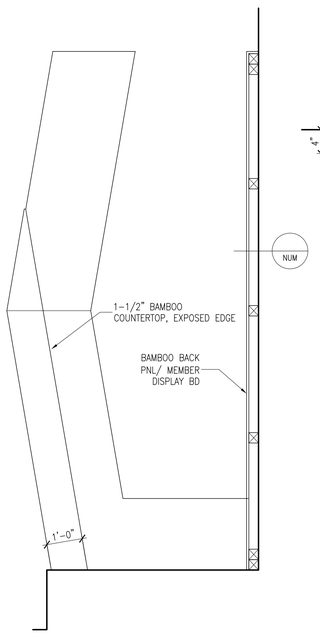
A4.3



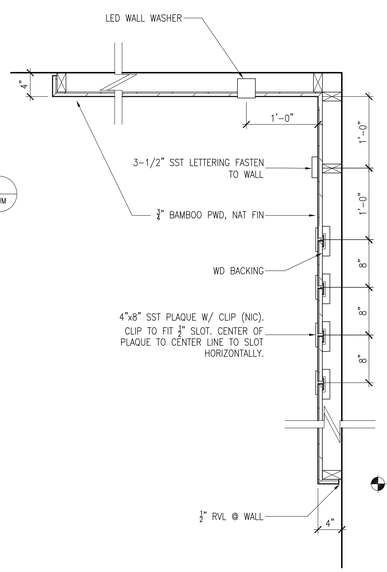
9 A4.4 PLAN – RECEPTION DESK – BASE
1/2" = 1'-0"



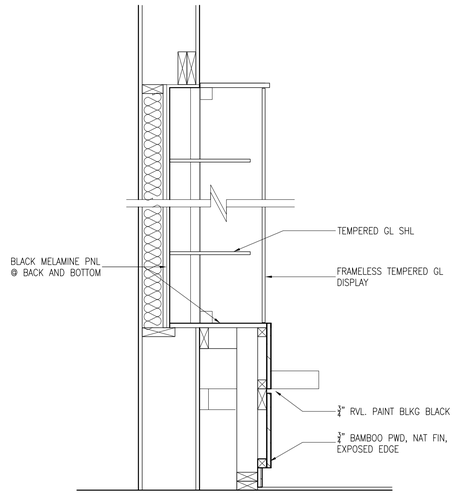
8 A4.4 PLAN – RECEPTION DESK – COUNTERTOP
1/2" = 1'-0"



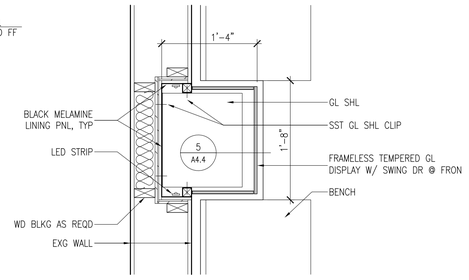
7 A4.4 PLAN – RECEPTION DESK – COUNTERTOP/ BACK DROP
1/2" = 1'-0"



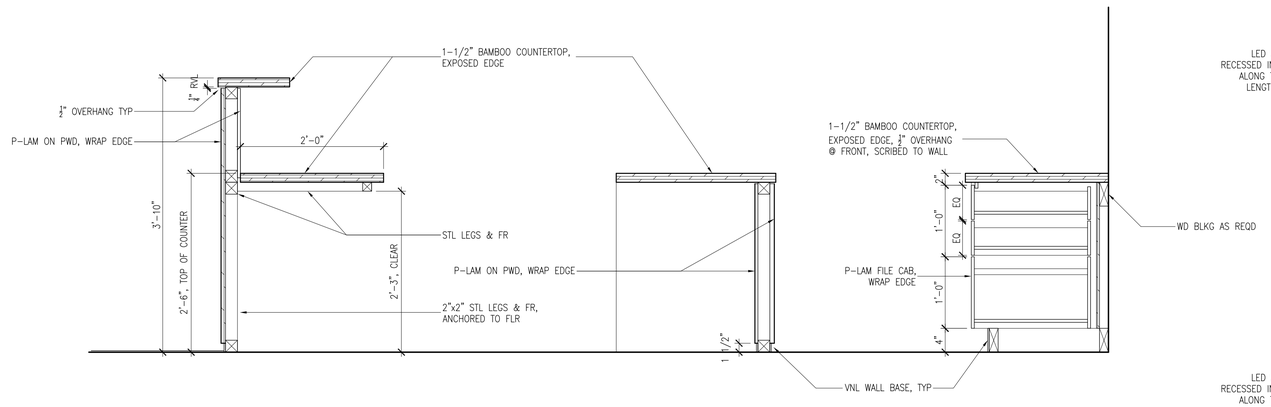
6 A4.4 DETAIL – RECEPTION DESK BACK DROP
1" = 1'-0"



5 A4.4 SECTION – GL DISPLAY CABINET
1" = 1'-0"



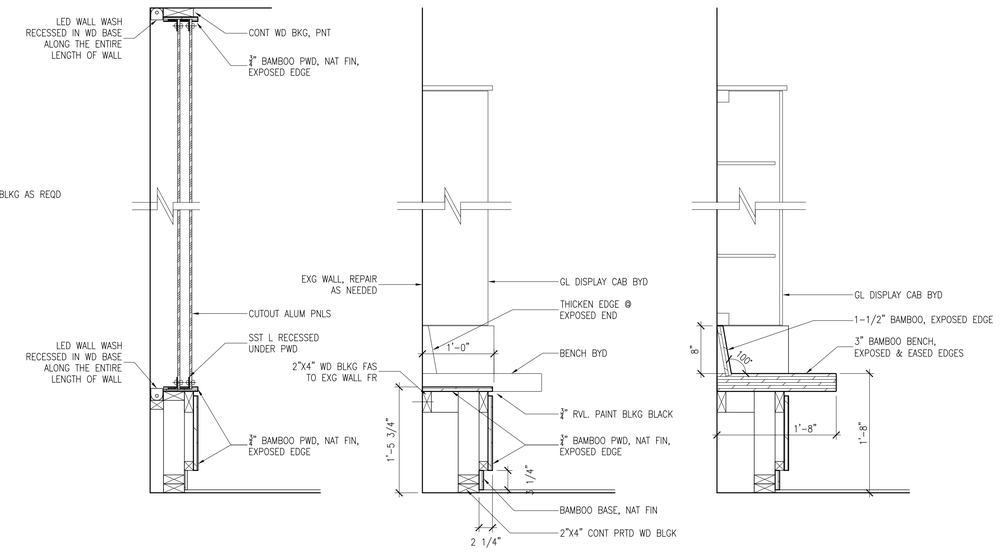
4 A4.4 PLAN – GL DISPLAY CABINET
1" = 1'-0"



12 A4.4 DETAIL – RECEPTION DESK
1" = 1'-0"

11 A4.4 DETAIL – RECEPTION DESK
1" = 1'-0"

10 A4.4 DETAIL – RECEPTION DESK
1" = 1'-0"



3 A4.4 SECTION – MTL PNL
1" = 1'-0"

2 A4.4 SECTION – WD BASE @ BENCH
1" = 1'-0"

1 A4.4 SECTION – BENCH
1" = 1'-0"

FOR PERMIT

AKAN
architecture + design llc
101 ST HELENS ST.
ST HELENS, OR 97051
T: 503 366 3050 F: 503 366 3065

REGISTERED ARCHITECT
WILLIAM ALLAN PETERSEN
ST. HELENS, OREGON
STATE OF OREGON

PROJECT TEAM:

CIVIL ENGINEER:
AKS ENGINEERING & FORESTRY
12965 SW Herman Road, Suite 100
Tualatin, OR 97062
P: 503.563.6151
F: 503.563.6152

STRUCTURAL ENGINEER:
PETERSON STRUCTURAL ENGINEERS
9400 SW Barnes Road, Suite 100
Portland, OR 97225
P. 503.292.1635

MEP ENGINEER:
FLUENT ENGINEERING INC.
2110 State Street
Salem, Oregon 97301
P. 503-447-5030

OWNER:
OMIC R&D / OREGON TECH.
Procurement and Contract Services
27500 SW Parkway Avenue
Wilsonville, OR 97070

OWNER'S REPRESENTATIVE:
CRAIG CAMPBELL, Executive Director
OMIC R&D
33701 Charles T. Parker Way
Scappoose, Oregon 97056
503-983-0573

OREGON MANUFACTURING INNOVATION CENTER R & D
33701 Charles T. Parker Way
Scappoose, Oregon 97056

SCALE:	AS NOTED
DRAWN BY:	KP
CHECKED BY:	-
CAD FILE:	604A_A43-44.DWG
DATE:	JAN. 28, 2020

REVISIONS

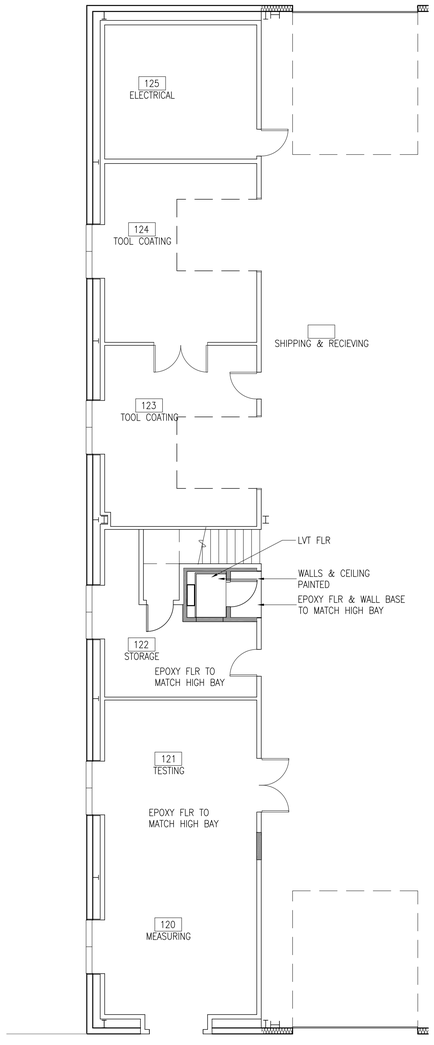
△	DATE	DESCRIPTION

CONTENTS:

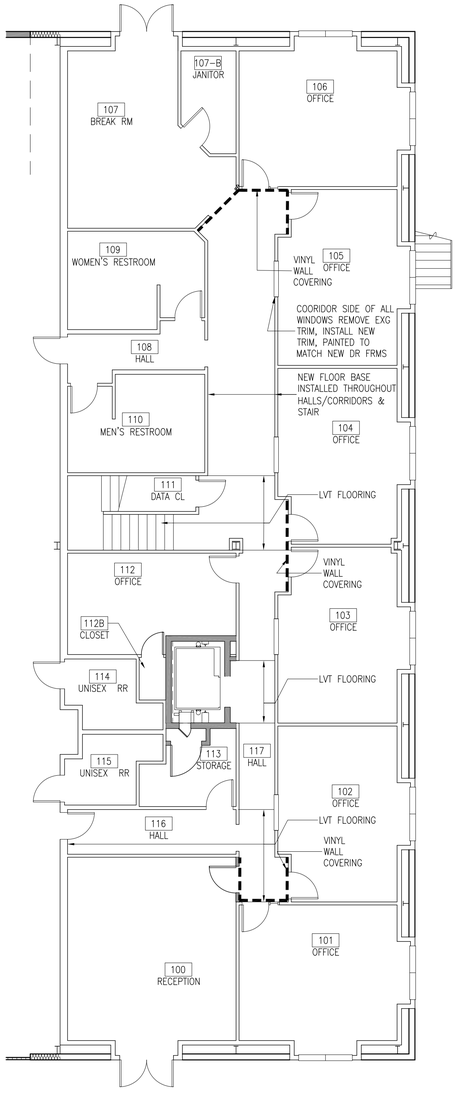
RECEPTION AREA DETAILS

SHEET NO:

A4.4



3 A4.5 1ST FLOOR FINISH PLAN – WEST



2 A4.5 1ST FLOOR FINISH PLAN – EAST

ROOM NO.	ROOM NAME	FLOOR	BASE	WALL			CEILING			NOTES	
	AREA	MAT		MAT	FINISH	TRIM	MAT	FINISH	TRIM		
1ST FLOOR east											
100	ENTRY	LVT / WALK-OFF MT	WD		*			*		* SEE ELNLARGED PLAN & INT ELEVS	
101	OFFICE	EXG	EXG		EXISTING			EXISTING			
102	OFFICE	*			*			*			
103	OFFICE	*			*			*			
104	OFFICE	*			*			*			
105	OFFICE	*			*			*			
106	OFFICE	*			*			*			
107A	BRK RM	*			*			*			
107B	JANITROR	*			*			*			
108	HALL	LVT	TP-RUB	GPDW	PNT		GPDW	PNT			
109	WOMENS RR	EXG	EXG		EXISTING			EXISTING			
110	MEN'S RR	*			*			*			
111	DATA	*			*			*			
112	OFFICE	CPT TILE	TP-RUB	GPDW	PNT		GPDW	PNT			
112A	STORAGE	LVT	TP-RUB	GPDW	PNT		GPDW	PNT			
113	STORAGE	LVT	TP-RUB	GPDW	PNT		GPDW	PNT			
114	RESTROOM	EXG	EXG		EXISTING			EXISTING			
115	RESTROOM	*			*			*			
116	HALL	LVT	TP-RUB	GPDW	PNT		GPDW	PNT			
117	HALL	LVT & EXT	TP-RUB	GPDW	PNT		GPDW	PNT			
1ST FLOOR west											
120	MEASURING	EPOXY	TP-RUB	GPDW	PNT		GPDW	PNT			
121	TESTING	EPOXY	TP-RUB	GPDW	PNT		GPDW	PNT			
122	STORAGE	EPOXY	TP-RUB	GPDW	PNT		GPDW	PNT			
122B	STORAGE	EXG	EXG		EXISTING			EXISTING			
123	COATING	EXG	EXG		EXISTING			EXISTING			
124	ELECTRICAL	*			*			*			
125	ADA LIFT	RUBBER	TP-RUB	GPDW	PNT		GPDW	PNT			
HIGH BAY											
01-1	HIGH BAY	EXG	RUB	GPDW / VB	PNT/VB			WHITE VAPOR BARRIER		GPDW TO 8'-0" AFF, WHITE VB ABOVE	
2ND FLOOR - east											
200		CPT TILE	TP-RUB	GPDW	PNT		GPDW	PNT			
200A	STORAGE	CPT TILE	TP-RUB	GPDW	PNT		GPDW	PNT			
201	OFFICE	EXG	EXG		EXISTING			EXISTING			
202	OFFICE	*			*			*			
203	OFFICE	*			*			*			
204	OFFICE	*			*			*			
205	CONFERENCE	*			*			*			
206	OFFICE	CPT TILE	TP-RUB	GPDW	PNT		GPDW	PNT			
207	RESTROOM				TILE					WALL TILE WHERE CABINETS REMOVED	
209	HALL	LVT & EXT	TP-RUB	GPDW	PNT		GPDW	PNT		SEE FIN PLAN & INT ELEVS	
2ND FLOOR - west											
210A	TESTING				EXISTING						
211	OFFICE	LIN	RUB		PNT						
212	OFFICE	LIN	RUB		PNT		EXG	PNT			
213	RESTROOM	LIN	RUB	GPDW/FRP	PNT	ALM	GPDW	PNT		FRP TO 48", ALUM TRIM	
214	HALL	LIN	RUB	GPDW	PNT		GPDW	PNT			
215	STORAGE	LIN	RUB	GPDW	PNT		GPDW	PNT			
216	UTIL	LIN	RUB	GPDW	PNT		GPDW	PNT			

1 A4.5 FINISH SCHEDULE

FOR PERMIT

AKAN
architecture + design llc
101 ST HELENS ST.
ST HELENS, OR 97051
T: 503 366 3050 F: 503 366 3065

REGISTERED ARCHITECT
WILLIAM ALLAN PETERSEN
ST. HELENS, OREGON
STATE OF OREGON

PROJECT TEAM:

CIVIL ENGINEER:
AKS ENGINEERING & FORESTRY
12965 SW Herman Road, Suite 100
Tualatin, OR 97062
P: 503.563.6151
F: 503.563.6152

STRUCTURAL ENGINEER:
PETERSON STRUCTURAL ENGINEERS
9400 SW Barnes Road, Suite 100
Portland, OR 97225
P. 503.292.1635

MEP ENGINEER:
FLUENT ENGINEERING INC.
2110 State Street
Salem, Oregon 97301
P. 503-447-5030

OWNER:
OMIC R&D / OREGON TECH.
Procurement and Contract Services
27500 SW Parkway Avenue
Wilsonville, OR 97070

OWNER'S REPRESENTATIVE:
CRAIG CAMPBELL, Executive Director
OMIC R&D
33701 Charles T. Parker Way
Scappoose, Oregon 97056
503-983-0573

OREGON MANUFACTURING INNOVATION CENTER R & D
33701 Charles T. Parker Way
Scappoose, Oregon 97056

SCALE: AS NOTED
DRAWN BY: AP
CHECKED BY:
CAD FILE: 604A_A45-46.DWG
DATE: JAN. 28, 2020

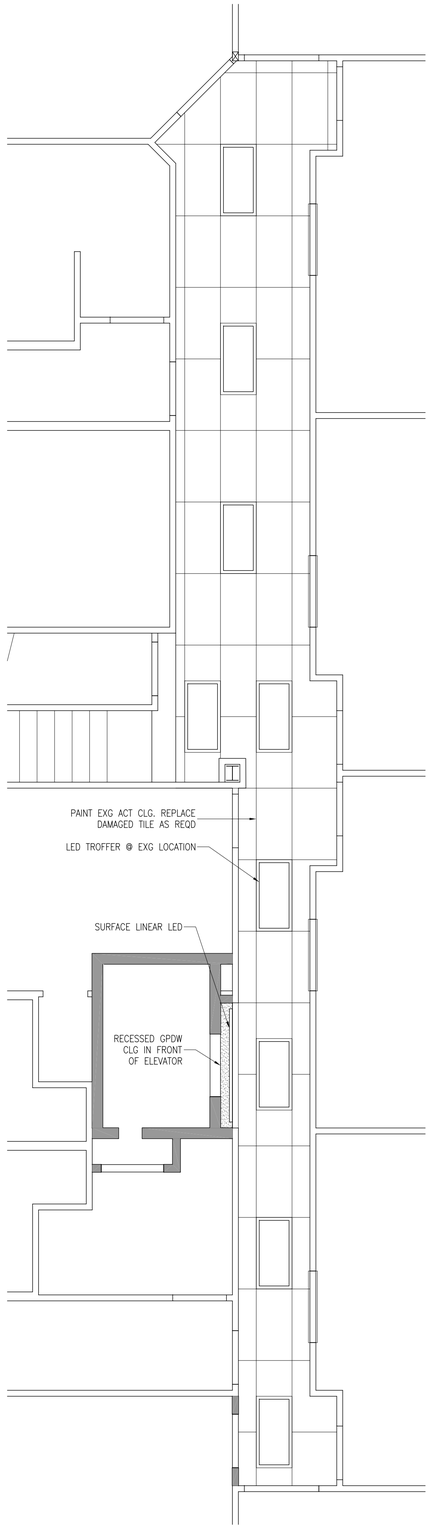
REVISIONS
△ DATE DESCRIPTION

CONTENTS:

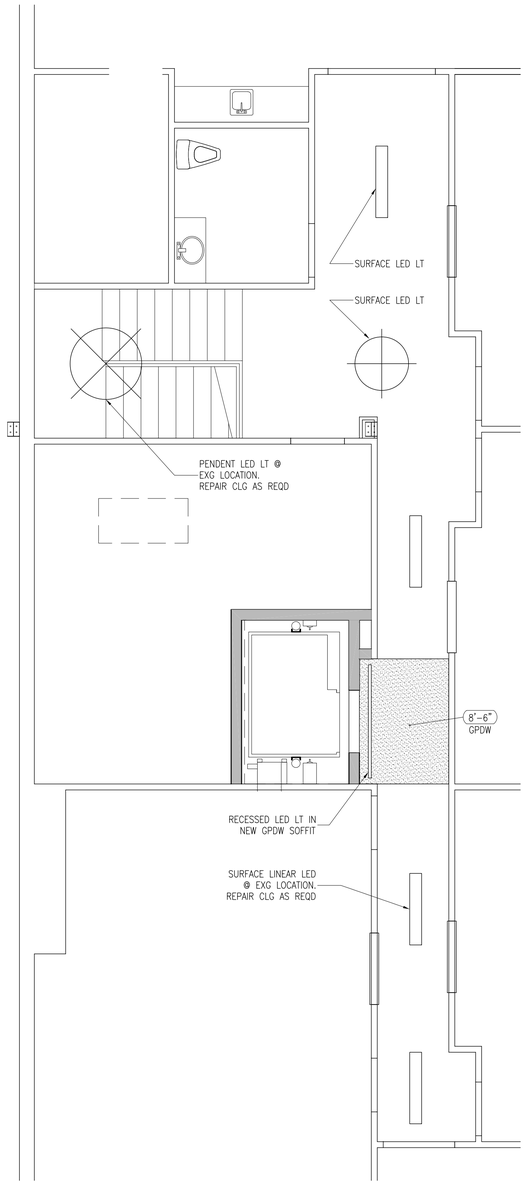
FINISH SCHEDULE & FINISH FLOOR PLAN

SHEET NO:

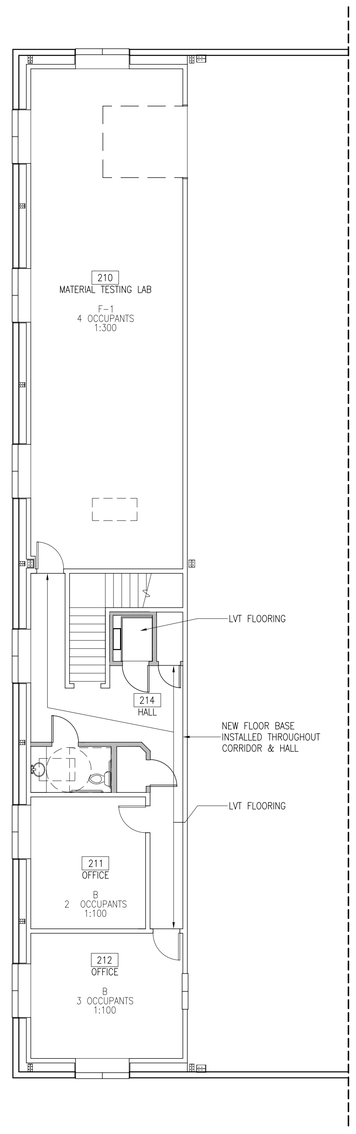
A4.5



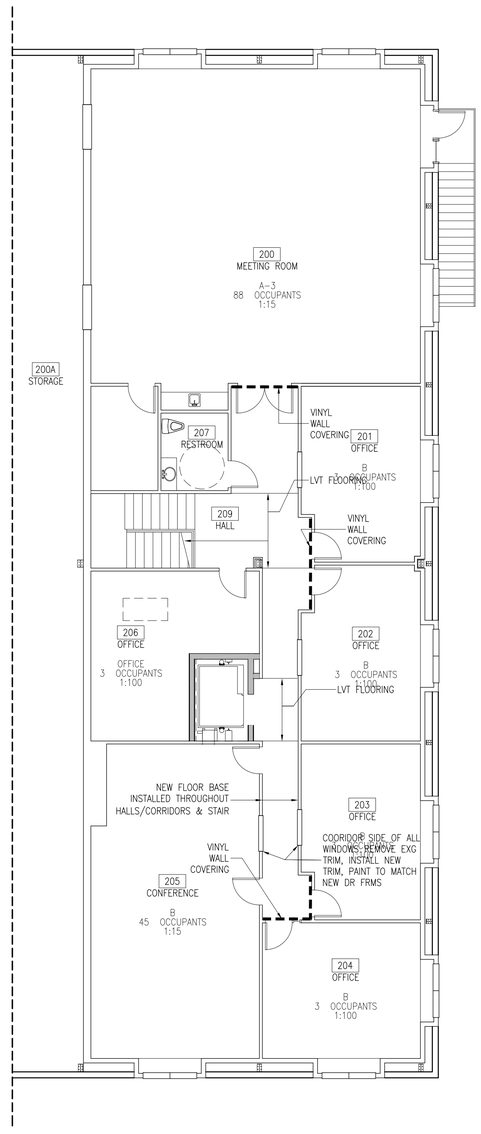
4 A4.6 RCP – CORRIDOR, 1ST FLOOR
1/4" = 1'-0"



3 A4.6 RCP – CORRIDOR, 2ND FLOOR
1/4" = 1'-0"



2 A4.6 2ND FLOOR FINISH FLOOR PLAN – WEST



1 A4.6 2ND FLOOR FINISH FLOOR PLAN – EAST

FOR PERMIT

AKAN
architecture + design llc
101 ST HELENS ST.
ST HELENS, OR 97051
T: 503 366 3050 F: 503 366 3065

REGISTERED ARCHITECT
WILLIAM ALLAN PETERSEN
ST. HELENS, OREGON
STATE OF OREGON

PROJECT TEAM:

CIVIL ENGINEER:
AKS ENGINEERING & FORESTRY
12965 SW Herman Road, Suite 100
Tualatin, OR 97062
P: 503.563.6151
F: 503.563.6152

STRUCTURAL ENGINEER:
PETERSON STRUCTURAL ENGINEERS
9400 SW Barnes Road, Suite 100
Portland, OR 97225
P. 503.292.1635

MEP ENGINEER:
FLUENT ENGINEERING INC.
2110 State Street
Salem, Oregon 97301
P. 503-447-5030

OWNER:
OMIC R&D / OREGON TECH.
Procurement and Contract Services
27500 SW Parkway Avenue
Wilsonville, OR 97070

OWNER'S REPRESENTATIVE:
CRAIG CAMPBELL, Executive Director
OMIC R&D
33701 Charles T. Parker Way
Scappoose, Oregon 97056
503-983-0573

OREGON MANUFACTURING INNOVATION CENTER R & D

33701 Charles T. Parker Way
Scappoose, Oregon 97056

SCALE:	AS NOTED
DRAWN BY:	AP
CHECKED BY:	-
CAD FILE:	604A_A45-46.DWG
DATE:	JAN. 28, 2020

REVISIONS

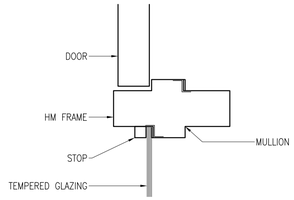
△	DATE	DESCRIPTION

CONTENTS:

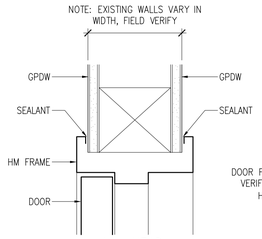
2ND FLR FIN PLANS, RCP - EAST CORR.

SHEET NO:

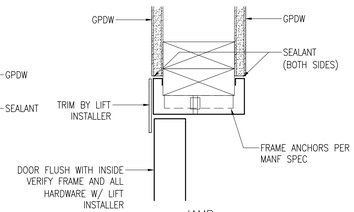
A4.6



B. MULLION

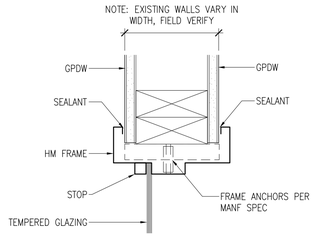


A. HEAD



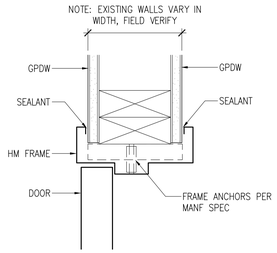
JAMB
HEAD SIMILAR

6 / A5.0 HOLLOW METAL FRAME @ ADA LIFT
3" = 1'-0"



A. JAMB (HEAD & SILL SIMILAR)

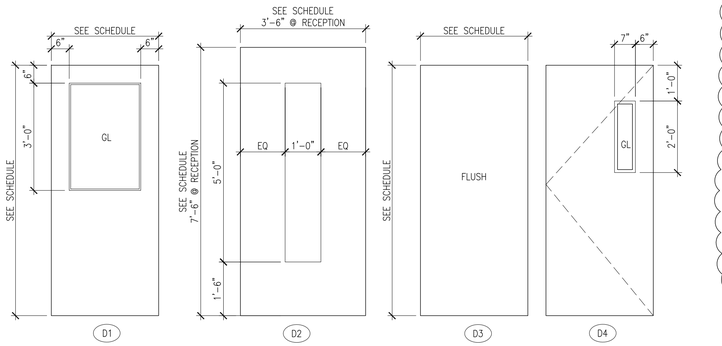
5 / A5.0 HOLLOW METAL FRAME SITELITE DETAIL
3" = 1'-0"



B. JAMB

4 / A5.0 HOLLOW METAL FRAME DETAIL
3" = 1'-0"

3 / A5.0 STEEL FRAME TYPES
1/2" = 1'-0"



2 / A5.0 DOOR TYPES
1/2" = 1'-0"

DOOR HARDWARE SCHEDULE

GROUP #1 – STOREROOMS, ELECTRICAL ROOMS, UTILITY ROOMS

NO	TYPE	FINISH	MANF.
3 EA	BUTTS FBB168 4.5 X 4.5	652	STANLEY
1 EA	STOREROOM LOCK ND80PD RHO	626	SCHLAGE
1 EA	WALLSTOP WS406/407CCV	630	IVES
1 EA	OVERHEAD STOP 904S	630	GLYNN JOHNSON
2 EA	SILENCER SR64	GRAY	IVES

GROUP #2 – GANG RESTROOMS

NO	TYPE	FINISH	MANF.
3 EA	BUTTS FBB168 4.5 X 4.5	652	STANLEY
1 EA	PUSH PLATE 8200 4 X 16	630	IVES
1 EA	PULL PLATE 8305-0 4 X 16	630	IVES
1 EA	CLOSER 4011 REG	ALUM	LCN
1 EA	WALLSTOP WS407CCV	630	IVES
1 EA	KICKPLATE 8400 10X2LDW	630	IVES
3 EA	SILENCER SR64	GRAY	IVES

GROUP #3 – SINGLE RESTROOMS

NO	TYPE	FINISH	MANF.
3 EA	BUTTS FBB168 4.5 X 4.5	652	STANLEY
1 EA	CS210 – LATCH & DEADBOLT ADA COMPLIANT – INTERCONNECTED	626	SCHLAGE
1 EA	CLOSER 4011	ALUM	LCN
1 EA	WALLSTOP WS407CCV	630	IVES
1 EA	KICKPLATE 8400 10X2LDW	630	IVES
1 SET	GASKET PS074	BLK	STEELCRAFT

GROUP #4 – PRIVATE OFFICES / ROOMS WITH ACCESS CONTROL *#1

NO	TYPE	FINISH	MANF.
3 EA	BUTTS FBB168 4.5 X 4.5	652	STANLEY
1 EA	LATCH– ELECTRONIC NDE80PE		STANLEY
1 EA	CLOSER 4111 EDA	ALUM	LCN
2 EA	WALLSTOP WS406/407CCV	630	IVES
3 EA	SILENCER SR64	GRAY	IVES

GROUP #5 – PRIVATE OFFICES / ROOMS (WITHOUT ACCESS CONTROL)

NO	TYPE	FINISH	MANF.
3 EA	BUTTS FBB168 4.5 X 4.5	652	STANLEY
1 EA	LATCH ND50PD	626	SCHLAGE
1 EA	CLOSER 4111 EDA	ALUM	LCN
2 EA	WALLSTOP WS406/407CCV	630	IVES
3 EA	SILENCER SR64	GRAY	IVES

GROUP #6 – MEETING ROOM (WITHOUT ACCESS CONTROL)

NO	TYPE	FINISH	MANF.
1 EA	PUSH PLATE 8200 4 X 16	630	IVES
1 EA	PULL PLATE 8305-0 4 X 16	630	IVES
6 EA	BUTTS FBB168 4.5 X 4.5	652	STANLEY
2 EA	CLOSER 4111 EDA	ALUM	LCN
2 EA	WALLSTOP WS406/407CCV	630	IVES
4 EA	SILENCER SR64	GRAY	IVES

*HARDWARE NOTES: 1

1. ASSUME 25 ELECTRONIC ACCESS CONTROL LATCHES STANLEY–NDE80 LATCHES AND CONTROL SYSTEM.
2. PROVIDE NDE80 LATCHES AT AT EXISTING DOORS 108B, 116B, 121, 122A, 123A, AND 125, ALL OTHER ROOMS WITH ACCESS CONTROL SHALL BE DETERMINED BY OWNER.
3. AT EXISTING DOORS 100A AND 107A PROVIDE CARD READER AND ELECTRONIC/MAGNETIC LOCKS AND ADA AUTOMATIC DOOR OPERATORS – NORTON / ASSA–ABLOY POWERMATIC 6300 SERIES, OR EQUAL. REMOVE THUMBTURN LATCH FROM DOOR 107A
4. AT DOOR 200B PROVIDE VON DUPRIN 33/35A EXIT DEVICE AND RU/RM ELECTRONIC MONITORING KIT.
5. AT DOOR 113B PROVIDE LCN 4111 EDA CLOSER

DOOR NO.	ROOM	RATING	DOOR					FRAME			CASING				SIGN	NOTES
		(MIN)	MAT	TYPE	FIN	HEIGHT	WIDTH	MAT	TYPE	FIN	PUSH SIDE	FIN	PULL SIDE	FIN	TYPE	
1ST FLOOR east																
100	ENTRY				EXISTING											
100B	ENTRY	0	WD	D2	CLR	7'6"	3'6"	STL	F1	PNT					R1	
101	OFFICE	0	WD	D3	CLR	6'8"	3'0"	STL	F2	PNT					R2	
102	OFFICE	0	WD	D3	CLR	6'8"	3'0"	STL	F1	PNT					R2	
103	OFFICE	0	WD	D3	CLR	6'8"	3'0"	STL	F1	PNT					R2	
104	OFFICE	0	WD	D3	CLR	6'8"	3'0"	STL	F1	PNT					R2	
105	OFFICE	0	WD	D3	CLR	6'8"	3'0"	STL	F1	PNT					R2	
106	OFFICE	0	WD	D3	CLR	6'8"	3'0"	STL	F2	PNT					R2	
107A	BRK RM				EXISTING											
107B	JANITROR	0	WD	D3	CLR	6'8"	3'0"	STL	F1	PNT					R1	
107C	BRK RM	0	WD		NO DOOR	6'8"	3'0"	STL	F2	PNT					R1	
108A	HALL				NO DOOR			STL	F1	PNT						
108B	HALL				EXISTING										R1	
109	WOMENS RR	0	WD	D3	CLR	6'8"	3'0"	STL	F1	PNT					R1	
110	MEN'S RR	0	WD	D3	CLR	6'8"	3'0"	STL	F1	PNT					R1	
111	DATA	0	WD	D3	CLR	6'8"	3'0"	STL	F1	PNT					R1	
112	OFFICE	0	WD	D3	CLR	6'8"	3'0"	STL	F1	PNT					R2	
112B	STORAGE	0	WD	D3	CLR	6'8"	3'0"	STL	F1	PNT					R1	
113	STORAGE	0	WD	D3	CLR	6'8"	3'0"	STL	F1	PNT					R1	
113B	ELEV. CONTR.	60	WD	D3	CLR	6'8"	3'6"	STL	F1						R1	
114	RESTROOM	0	WD	D3	CLR	6'8"	3'0"	STL	F1	PNT					R1	
115	RESTROOM	0	WD	D3	CLR	6'8"	3'0"	STL	F1	PNT					R1	
116A	HALL				NO DOOR	6'8"	3'0"	STL	F1	PNT						
116B	HALL				EXISTING										R1	
1ST FLOOR west																
121	TESTING				EXISTING										R1	
122A	STORAGE				EXISTING										R1	
122B	LIFT CONTR.		WD	D3	CLR	6'8"	3'0"	STL	F1	PNT					R1	
123A	COATING				EXISTING										R1	
123B	COATING				EXISTING										R1	
124A	COATING				EXISTING										R1	
124B	COATING				EXISTING										R1	
125	ELECTRICAL				EXISTING										R1	
126	ADA LIFT	60	45	D1	CLR	6'8"	3'0"	STL	F1*	PNT	VERIFY FRAME WITH LIFT INSTALLER				R1	
HIGH BAY																
01-1		0			EXISTING											
01-2		0			EXISTING											
01-3		0			EXISTING											
01-4		0			EXISTING											
01-5		0			EXISTING											
01-6		0			EXISTING											
01-A		0	STL	OH	PDT	14'	16'	STL	OH							
01-B		0	STL	OH	PDT	14'	16'	STL	OH							
01-C		0	STL	OH	PDT	14'	16'	STL	OH							
01-D		0	STL	OH	PDT	14'	16'	STL	OH							
01-E		0	STL	OH	PDT	14'	16'	STL	OH							
01-F		0	STL	OH	PDT	14'	16'	STL	OH							
2ND FLOOR - east																
200	MEETING	0	WD	D2	CLR	6'8"	(2) - 3'0"	STL	F1	PNT					R1	
200A	STORAGE	0	WD	D3	CLR	6'8"	3'0"	STL	F1	PNT					R1	
200B	EGRESS				EXISTING										EXIT	
201	OFFICE	0	WD	D3	CLR	6'8"	3'0"	STL	F1	PNT					R2	
202	OFFICE	0	WD	D3	CLR	6'8"	3'0"	STL	F1	PNT					R2	
203	OFFICE	0	WD	D3	CLR	6'8"	3'0"	STL	F1	PNT					R2	
204	OFFICE	0	WD	D3	CLR	6'8"	3'0"	STL	F2	PNT					R2	
205A	CONFERENCE	0	WD	D2	CLR	6'8"	3'0"	STL	F1	PNT					R1	
205B	CONFERENCE	0	WD	D2	CLR	6'8"	3'0"	STL	F1	PNT					R1	
206	OFFICE	0	WD	D3	CLR	6'8"	3'0"	STL	F1	PNT					R2	
207		0	WD	D3	CLR	6'8"	3'0"	STL	F1	PNT					R1	
2ND FLOOR - west																
210A	TESTING	0	WD	D4	CLR	6'8"	3'0"	STL	F1	PNT					R1	
210B	TESTING			EXISTING OVERHEAD											R1	
211	OFFICE	0	WD	D4	CLR	6'8"	3'0"	STL	F1	PNT					R2	
212	OFFICE	0	WD	D4	CLR	6'8"	3'0"	STL	F1	PNT					R2	
213	RESTROOM	0	WD	D3	CLR	6'8"	3'0"	STL	F1	PNT					R1	
214A	STAIR			NO DOOR		6'8"	3'0"	STL	F1	PNT					R1	
214B	LIFT	60	WD	D1	CLR	6'8"	3'0"	STL	F1*	PNT	VERIFY FRAME WITH LIFT INSTALLER				R1	
215	STORAGE	0	WD	D3	CLR	6'8"	3'0"	STL	F1	PNT					R1	
216	UTIL	0	WD	D3	CLR	6'8"	3'0"	STL	F1	PNT					R1	

1 / A5.0 DOOR SCHEDULE

FOR PERMIT

AKAN architecture + design llc
101 ST HELENS ST.
ST HELENS, OR 97051
T: 503 366 3050 F: 503 366 3065

REGISTERED ARCHITECT
WILLIAM ALLAN PETERSEN
ST. HELENS, OREGON
STATE OF OREGON

PROJECT TEAM:

CIVIL ENGINEER:
AKS ENGINEERING & FORESTRY
12965 SW Herman Road, Suite 100
Tualatin, OR 97062
P: 503.563.6151
F: 503.563.6152

STRUCTURAL ENGINEER:
PETERSON STRUCTURAL ENGINEERS
9400 SW Barnes Road, Suite 100
Portland, OR 97225
P. 503.292.1635

MEP ENGINEER:
FLUENT ENGINEERING INC.
2110 State Street
Salem, Oregon 97301
P. 503-447-5030

OWNER:
OMIC R&D / OREGON TECH.
Procurement and Contract Services
27500 SW Parkway Avenue
Wilsonville, OR 97070

OWNER'S REPRESENTATIVE:
CRAIG CAMPBELL, Executive Director
OMIC R&D
33701 Charles T. Parker Way
Scappoose, Oregon 97056
503-983-0573

OREGON MANUFACTURING INNOVATION CENTER R & D

33701 Charles T. Parker Way
Scappoose, Oregon 97056

SCALE: AS NOTED
DRAWN BY: AP
CHECKED BY: -
CAD FILE: 604A_A50.DWG
DATE:

REVISIONS

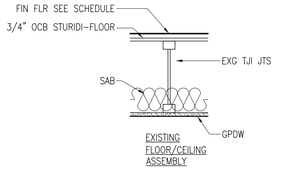
△	DATE	DESCRIPTION
1	04/15/2020	FOR BLDG OFF REV

CONTENTS:

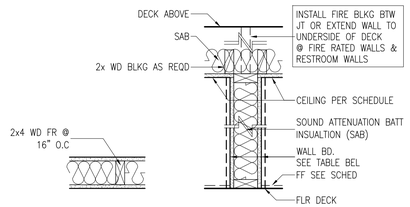
DOOR TYPES & SCHEDULE

SHEET NO:

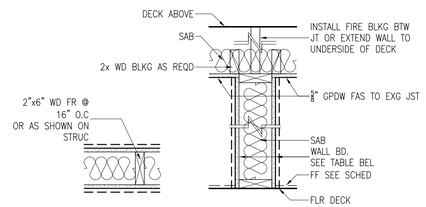
A5.0



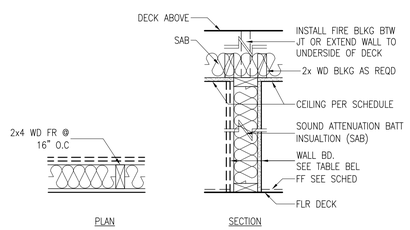
4 / A5.1 TYPICAL CEILING TYPE
1" = 1'-0"



PTN TYPE	FRAME	WALL MAT	FIRE RATING	STC RATING
1A	2x4	1/2" GPDW, BOTH SIDES	NONE	34
1B	2x4	5/8" GPDW, BOTH SIDES	1 HR (UL DES U305)	36
1C	2x4	(2) LAYERS 5/8" GPDW, BOTH SIDES	2 HR (UL DES 301)	38

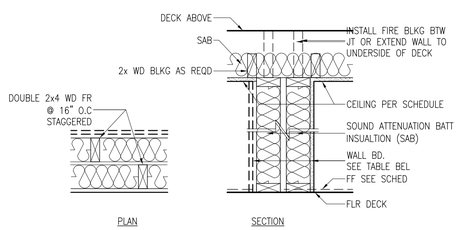


PTN TYPE	FRAME	WALL MAT	FIRE RATING	STC RATING
2A	2x6	1/2" GPDW BOTH SIDES	NONE	35
2B	2x6	5/8" GPDW BOTH SIDES	1 HR (UL DES U305)	38
2C	2x6	(2) LAYERS 5/8" GPDW, BOTH SIDES	2 HR (UL DES 301)	40



PTN TYPE	FRAME	WALL MAT	FIRE RATING	STC RATING
3A	2x4 OR 2x6	1/2" GPDW, ONE SIDE AND 1/2" OSB AND 1/2" GBDW ONE SIDE	NONE	*

* NO PUBLISHED RESEARCH



PTN TYPE	FRAME	WALL MAT	FIRE RATING	STC RATING
4A	2x4 DBL WALL 1" GAP	1/2" GPDW, ONE SIDE AND 1/2" OSB AND 1/2" GBDW ONE SIDE	NONE	*

* NO PUBLISHED RESEARCH

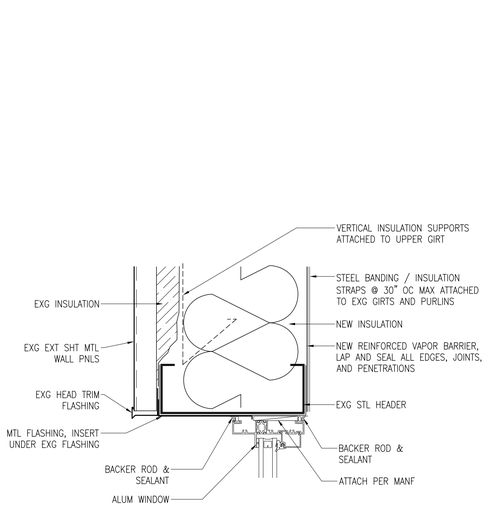
GENERAL WALL & PARTITION NOTES:
WHERE ASSEMBLY IS RATED PROVIDE FIRECORE TYPE "X" OR TYPE "C" GYPSUMBOARD

WERE ASSEMBLY IS RATED PROVIDE FIRE SEALANT AS REQUIRED TO MEET FIRE RESISTANCE RATING AND AS INDICATED IN UL ASSEMBLY

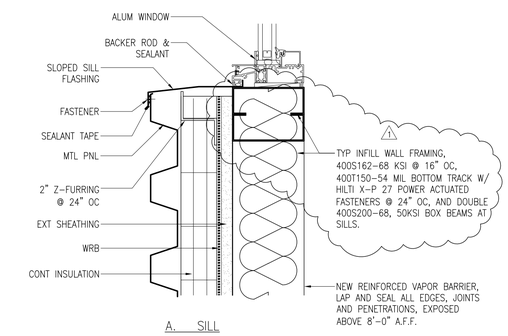
WHERE FIRE RATED ASSEMBLY IS PENETRATED PROVIDE THROUGH-PENETRATION FIRE STOP SYSTEM THAT MEETS OR EXCEEDS RATING OF ASSEMBLY PENETRATED. SEE FIRESTOPPING SCHEDULE FOR TYPICAL PENETRATIONS, FOR ATYPICAL PENETRATIONS PROVIDE AN ASSEMBLY RATED BY A TESTING AGENCY ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION.

WHERE WALL ASSEMBLY IS LOCATED IN "WET" LOCATION: RESTROOM, KITCHEN, JANITOR CLOSET, OR OTHER SUCH LOCATION PROVIDE "BLUE BOARD" – WATER AND MOLD RESISTANT GYPSUM BOARD OF THICKNESS AND FIRE RATING INDICATED.

3 / A5.1 PARTITION TYPES
1" = 1'-0"

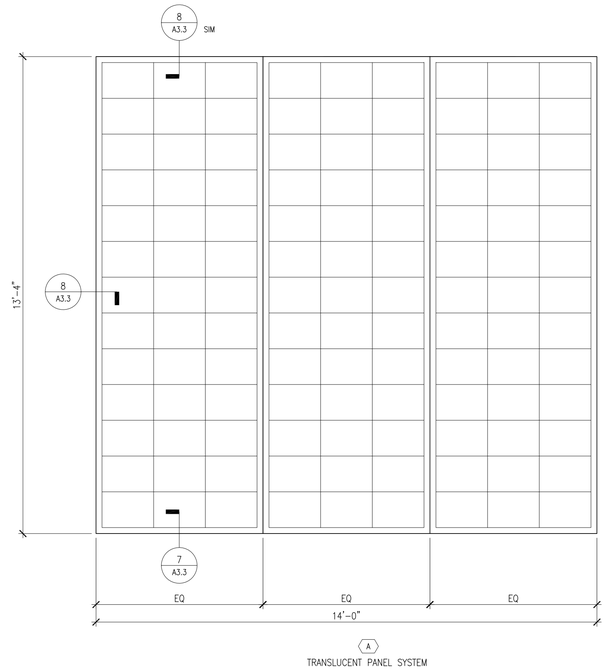


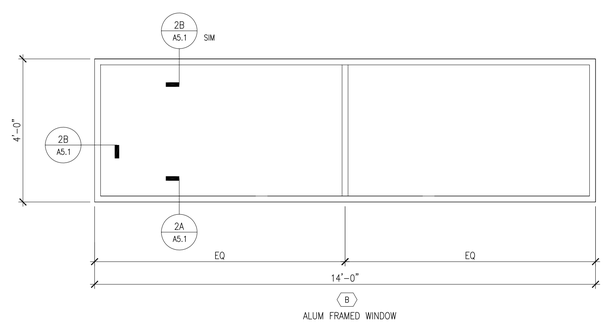
B. HEAD (JAMB SIMILAR)



A. SILL

2 / A5.1 TYPICAL INFILL WALL AND ALUM WINDOW DETAIL
3" = 1'-0"





1 / A5.1 EXTERIOR WINDOW TYPES
1/2" = 1'-0"

FOR PERMIT

AKAN architecture + design llc
101 ST HELENS ST.
ST HELENS, OR 97051
T: 503 366 3050 F: 503 366 3065

REGISTERED ARCHITECT
WILLIAM ALLAN PETERSEN
ST. HELENS, OREGON
STATE OF OREGON

PROJECT TEAM:

CIVIL ENGINEER:
AKS ENGINEERING & FORESTRY
12965 SW Herman Road, Suite 100
Tualatin, OR 97062
P: 503.563.6151
F: 503.563.6152

STRUCTURAL ENGINEER:
PETERSON STRUCTURAL ENGINEERS
9400 SW Barnes Road, Suite 100
Portland, OR 97225
P. 503.292.1635

MEP ENGINEER:
FLUENT ENGINEERING INC.
2110 State Street
Salem, Oregon 97301
P. 503-447-5030

OWNER:
OMIC R&D / OREGON TECH.
Procurement and Contract Services
27500 SW Parkway Avenue
Wilsonville, OR 97070

OWNER'S REPRESENTATIVE:
CRAIG CAMPBELL, Executive Director
OMIC R&D
33701 Charles T. Parker Way
Scappoose, Oregon 97056
503-983-9573

OREGON MANUFACTURING INNOVATION CENTER R & D
33701 Charles T. Parker Way
Scappoose, Oregon 97056

SCALE:	AS NOTED
DRAWN BY:	KP
CHECKED BY:	-
CAD FILE:	604A_A50
DATE:	

REVISIONS

△	DATE	DESCRIPTION
1	03/26/2020	FOR BLDG OFF REV

CONTENTS:

PTN & WIN TYPES & DETAILS

SHEET NO:

A5.1