BUILDING CODE

PROJECT TYPE: MECHANICAL EQUIPMENT ROOM / EQUIPMENT REVISIONS
PROJECT LOCATION: 4001 SW CANYON BLVD. PORTLAND, OREGON 97221

OCCUPANCY TYPE:
B: BUSINESS (304)
S-1: STORAGE-MODERATE HAZARD (STORAGE AND UTILITY) (311)
S-2: STORAGE-LOW HAZARD (STORAGE) (311)

TYPE OF CONSTRUCTION: I-B *(NON-SPRINKLERED. SMOKE DETECTION SYSTEM. SMOKE CONTROL)*

APPLICABLE CODES
- 2010 OREGON STRUCTURAL SPECIALTY CODE - BASED ON THE 2007 EDITION OF THE IBC AND AMENDED BY THE STATE OF OREGON.
- 2008 OREGON ADMINISTRATIVE RULES (OAR)- CHAPTER 918, DIVISION 400
- AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME) A17.1-2007
- 2007 OREGON FIRE CODE. (BASED ON 2006 IFC).
- 2005 OREGON ELECTRICAL SPECIALTY CODE. (BASED ON 2005 NEC).
- 2007 OREGON MECHANICAL SPECIALTY CODE. (BASED ON 2006 IMC).
- 2005 OREGON PLUMBING SPECIALTY CODE. (BASED ON 2003 UPC).

ELEVATOR SCOPE OF WORK

PART 1 - GENERAL

1.01 ALL WORK WILL BE PERFORMED IN A WORKMANLIKE MANNER AND WILL INCLUDE ALL WORK AND MATERIALS AS SPECIFIED HEREIN. IN ALL CASES, WHERE A DEVICE OR PART OF THE EQUIPMENT IS HEREIN REFERRED TO IN THE SINGULAR NUMBER, IT IS INTENDED THAT SUCH REFERENCE WILL APPLE TO AS MANY SUCH DEVICES AS ARE REQUIRED TO COMPLETE THE INSTALLATION.

1.02 ALL WORK WILL BE PERFORMED IN ACCORDANCE WITH THE LATEST REVISED EDITION OF THE AMERICAN NATIONAL STANDARD SAFETY CODE FOR ELEVATORS, DUMBWAITERS, ESCALATORS, AND MOVING WALKS (ANSI A 17.1), ANSI A 117.1 BARRIER FREE CODE, AND/OR SUCH STATE AND LOCAL ELEVATOR CODES AS MAY BE APPLICABLE.

1.03 PERMITS, TAXES AND LICENSES: ALL APPLICABLE SALES AND USE TAXES PERMIT FEES AND LICENSES, AS OF THE DATE BIDS ARE TAKEN, WILL BE PAID FOR BY THE ELEVATOR CONTRACTOR.

1.04 STORAGE: A DRY AND PROTECTED AREA, WITHIN THE BUILDING, CONVENIENTLY LOCATED TO THE ELEVATOR HOISTWAYS, WILL BE ASSIGNED TO ELEVATOR CONTRACTOR WITHOUT COST, FOR STORAGE OF HIS MATERIAL AND TOOLS.

1.05 **WARRANTY:** ELEVATOR CONTRACTOR WILL WARRANT THE EQUIPMENT INSTALLED UNDER THIS SPECIFICATION AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP AND WILL CORRECT AND DEFECTS NOT DUE TO ORDINARY WEAR AND TEAR OR IMPROPER USE OR CARE WHICH MAY DEVELOP FOR A PERIOD OF TWELVE (12) MONTHS FOLLOWING THE COMPLETION AND ACCEPTANCE OF EACH ELEVATOR COVERED BY THIS SPECIFICATION.

1.06 **WIRING DIAGRAMS:** TWO (2) COMPLETE SETS OF "MADE FINAL" WIRING DIAGRAMS INCLUDING INPUT AND OUTPUT SIGNALS WILL BE FURNISHED TO THE OWNER.

PART 2 - EQUIPMENT DESCRIPTION:

EXISTING EQUIP. NO.:	FXH-4042
CAPACITY:	3,000 POUNDS
POWER CHARACTERISTICS:	480 vOLTS 3 PHASE, 60 HERTZ
OPENINGS:	2 IN-LINE, REVERSE AT NONE
BOTTOM FLOOR SERVED:	BASEMENT
TOP FLOOR SERVED:	FIRST
TRAVEL:	23-0" (APPROXIMATELY)
PLATFORM SIZE:	4'-9" WIDE x 6'-8" DEEP
ENTRANCE SIZE:	6'-10.25" HIGH x 4'-8.75" WIDE
QUANTITY:	ONE FREIGHT HYDRAULIC ELEVATOR(S)
CONTROL:	NEW MICROPROCESSOR BASED CONTROLLER
SPEED:	40 FEET PER MINUTE
OPERATION:	SIMPLEX SELECTIVE COLLECTIVE
CAR SLING & PLATFORM:	REUSE EXISTING
CLEAR INSIDE:	REUSE EXISTING
TRAVEL:	23 FEET (APPROXIMATELY)
POWER SUPPLY:	208 VAC (3 PHASE) (REUSE EXISTING)
STOPS:	3 STOPS
OPENINGS:	3 FRONT OPENINGS
HOISTWAY ENTRANCES:	REUSE EXISTING HOISTWAY ENTRANCES AND DOORS
DOOR OPERATION:	NEW CLOSED LOOP DOOR OPERATION
HOISTWAY DOOR OPERATION:	REFURBISH AS REQUIRED
CAR ENCLOSER:	RETAIN EXISTING
SIGNALS:	NEW CAR AND HALL SIGNALS AS REQUIRED BY CODE

PART 3 - MODERNIZATION EQUIPMENT FEATURES:

3.01 **CAR SLING & PLATFORM-** REUSE EXISTING.

3.02 **POWER UNIT-** PROVIDE A NEW SUBMERSIBLE POWER UNIT *(CONFORM TO REQUIREMENTS PER A17.1-2007, SECTION 8.4.11.2. 8.4.11.3, AND 8.4.11.6.)*

3.03 **JACK UNIT-** NEW JACK; BID ALTERNATE #1 *(LIST NEW JACK EQUIPMENT SEPARATELY AS BID ALTERNATE #1.) WHERE INSTALLED, ALTERED, OR REPLACED, IT SHALL CONFORM TO A17.1-2007, SECTION 3.18 AND 8.4.11.2.*

3.04 **PIPING -** ALL NECESSARY PIPE AND FITTINGS TO CONNECT THE POWER UNIT TO THE JACK UNIT SHALL BE FURNISHED.

3.05 **OIL-** FURNISH OIL OF THE PROPER GRADE.

3.06 **CONTROLLER / LEVELING SYSTEM**

TAC32 AUTOMATIC PUSHBUTTON OPERATION:
THE ELEVATOR CONTROL SYSTEM WILL BE MICROPROCESSOR AND SOFTWARE ORIENTED. THE SYSTEM WILL OPERATE IN REAL TIME, CONTINUOUSLY ANALYZING THE CARS CHANGING POSITION, CONDITION, AND WORKLOAD. CONTROL OF THE ELEVATOR SHALL BE AUTOMATIC IN OPERATION BY MEANS OF PUSHBUTTONS IN THE CAR NUMBERED TO CORRESPOND TO FLOORS SERVED, FOR REGISTERING HALL STOPS "UP-DOWN" PUSHBUTTONS WILL BE PROVIDED AT EACH INTERMEDIATE LANDING AND "CALL" PUSHBUTTONS AT TERMINAL LANDINGS. THE MOMENTARY PRESSING OF ONE OR MORE BUTTONS SHALL DISPATCH THE CAR TO THE DESIGNATED LANDINGS IN THE ORDER IN WHICH THE LANDINGS ARE REACHED BY THE CAR, IRRESPECTIVE OF THE SEQUENCE IN WHICH THE PUSHBUTTONS ARE PRESSED.

WHEN THE CAR IS TRAVELING IN THE UP DIRECTION, IT SHALL HAVE AN UP PREFERENCE AND SHALL STOP AT ALL FLOORS WHICH CAR BUTTONS OR "UP" HALL PUSHBUTTONS HAVE BEEN PRESSED; IT SHALL NOT STOP AT THE FLOORS WHERE "DOWN" PUSHBUTTONS HAVE BEEN PRESSED, UNLESS THE STOP FOR THAT FLOOR HAS BEEN REGISTERED BY A CAR BUTTON, OR UNLESS THE DOWN CALL IS AT THE HIGHEST FLOOR FOR WHICH ANY BUTTONS HAVE BEEN PRESSED; WHEN THE CAR IS TRAVELING IN THE DOWN DIRECTION IT SHALL NOT STOP AT FLOORS WHERE "UP" PUSHBUTTONS HAVE BEEN PRESSED, UNLESS THE STOP FOR THAT FLOOR HAS BEEN REGISTERED BY A CAR PUSHBUTTON, OR UNLESS THE UP CALL IS AT THE LOWEST FLOOR FOR WHICH ANY BUTTONS HAVE BEEN PRESSED.

THE FOLLOWING FEATURES TO BE INCLUDED:

A. **SOLID STATE STARTER:** MINIMIZES POWER SURGES WITH SMOOTH AND STEADY CURRENT TO THE MOTOR.
B. **VISTA REMOTE MONITORING:** COMMUNICATION DEVICE THAT RELAYS CRITICAL ELEVATOR INFORMATION TO THE LOCAL BRANCH.
C. **ADA COMPLIANT:** MEETS ALL ADA CODES.
D. **BATTERY LOWERING:** PROVIDES SUPPLEMENTAL POWER T THE ELEVATOR CONTROLS IN CASE OF POWER FAILURE.
E. **TENANT SECURITY:** INCLUDES INTERFACE FOR CARD READER SECURITY.
F. **LEVELING SYSTEM:** PROVIDE NEW TAPE SELECTOR WITH TWO WAY LEVELING.

3.07 **CAR GUIDES -** REUSE THE EXISTING GUIDE SHOES.

SECTION 3 CONT.

3.08 **CAR DOOR OPERATION- HD-04 DOOR OPERATOR:** REUSE EXISTING.

3.09 **CAR DOOR RESTRICTORS**
MECHANICAL DOOR RESTRICTORS TO BE PROVIDED IN ACCORDANCE WITH ANSI A17.1 CODE.

3.10 **HOISTWAY ENTRANCES AND DOOR EQUIPMENT**
EXISTING HOISTWAY DOOR FRAMES AND DOOR PANELS TO BE RETAINED. REPLACE BI-PARTING DOOR CHAINS, LUBRICATE CHAIN GUIDE SHEAVES, REFURBISH OR REPLACE AS NECESSARY.

REFURBISH DOOR INTERLOCKS ON ALL LANDINGS.

3.11 **HOISTWAY ENTRANCES**
REUSE EXISTING.

FOR REFERENCE:
ASME A17.3-2008- SAFETY CODE FOR EXISTING ELEVATORS AND ESCALATORS

2.1.1 HOISTWAY CONSTRUCTION
(A) ENCLOSURE OF HOISTWAY.
HOISTWAYS SHALL BE ENCLOSED THROUGHOUT THEIR HEIGHT, EXCEPT FOR ELEVATORS THAT DO NOT PENETRATE THE SEPARATE FIRE-RESISTIVE AREAS OF THE BUILDING AND FREIGHT ELEVATOR ENTRANCES CONFORMING TO THE REQUIREMENTS OF 2.6.1(B).

2.6.1(B)(B) FREIGHT ELEVATORS.
HOISTWAY-LANDING OPENINGS FOR FREIGHT ELEVATORS SHALL BE PROVIDED WITH ENTRANCES THAT GUARD THE FULL WIDTH OF THE OPENING, AND GUARD THE HEIGHT TO A MINIMUM OF 6 FT ABOVE THE LANDING SILL. (AT THE TOP LANDING A GATE 66 IN. HIGH SHALL BE PERMITTED TO BE USED IF THERE IS NOT SUFFICIENT CLEARANCE FOR A 6 FT HIGH GATE.) WHEN THE REQUIREMENTS OF 2.1.1 ALLOW NON-FIRE-RESISTIVE HOISTWAY ENCLOSURES, A GATE SHALL BE PERMITTED TO BE USED.

THE DOOR OR GATE SHALL BE PERMITTED TO HAVE A MAX. 1 IN. VERTICAL OPENING BETWEEN THE LANDING SILL AND THE DOOR OR GATE. OPENINGS IN GATES SHALL REJECT A BALL 2 IN. IN DIAMETER.

3.12 **HOISTWAY JAMB BRAILLE**
INSTALL NEW ADA COMPLIANT BRAILLE PLATES ON EXISTING HOISTWAY ENTRANCE FRAMES.

3.13 **CAR OPERATING PANELS**
A NEW CAR OPERATING PANEL WILL BE PROVIDED ACCOMMODATING ALL FEATURES PROVIDED BY THE MICROPROCESSOR BASED CONTROLS. THE NEW CAR OPERATING PANEL WILL BE PROVIDED WITH NEW PUSH BUTTONS, ADA COMPLIANT TELEPHONE, FIRE SERVICE FEATURES, EMERGENCY LIGHTING AND BRAILLE. REUSE EXISTING PHONE.

3.14 **CAR POSITION INDICATOR**
A NEW DIGITAL CAR POSITION INDICATOR WILL BE INCORPORATED IN THE NEW CAR OPERATING PANEL.

3.15 **ARRIVAL LANTERNS**
NEW CAR TRAVELING LANTERNS WILL BE PROVIDED IN THE ELEVATOR.

3.16 **FLOOR PASSING SIGNAL**
PROVIDE AN ADA COMPLIANT AUDIBLE SIGNAL TO INDICATE TO A PASSENGER ON THE ELEVATOR THAT THE ELEVATOR IS STOPPING OR PASSING A FLOOR.

3.17 **ALARM BELL**
PROVIDE AN EMERGENCY ALARM BELL CONNECTED TO PLAINLY MARK PUSHBUTTON IN THE ELEVATOR OPERATING PANEL AND TO THE BATTERY OPERATED EMERGENCY LIGHT DEVICE.

3.18 **HALL PUSHBUTTONS**
PROVIDE NEW FUSION SURFACE MOUNTED HALL PUSHBUTTON FIXTURES INSTALLED AT EACH LANDING.
THE NEW FIXTURES TO INCLUDE THE FIRE EXITING SIGNS. THE MAIN EGRESS FLOOR TO CONTAIN THE FIRE SERVICE KEYSWITCH AND REQUIRED VERBIAGE.

3.19 **HALL POSITION INDICATORS**
PROVIDE A NEW DIGITAL HALL POSITION INDICATOR INSTALLED AT THE EGRESS FLOOR.

3.20 **TRAVELING CABLE AND WIRING**
ALL HOISTWAY, MACHINE ROOM AND CAR WIRING , INCLUDING TRAVELING CABLE, TO BE REPLACED AS NECESSARY TO FULFILL THE REQUIREMENTS OF THE NEW MICROPROCESSOR CONTROLS.

3.21 **PIT LADDERS**
REUSE EXISTING.

PART 4 - MISCELLANEOUS WORK AND SCHEDULE

4.01 ALL WORK WILL BE PERFORMED DURING REGULAR WORKING HOURS.
4.02 THE ELEVATOR TO BE OUT OF SERVICE NO MORE THAN FOUR (4) WEEKS.
4.03 PRIOR TO COMMENCING, WORK SCHEDULE TO BE SUBMITTED TO THE OWNER.

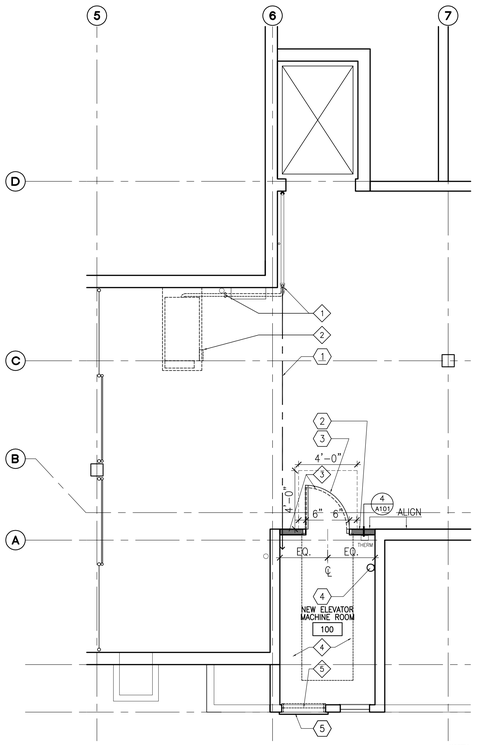
PART 5 - TESTS:

5.01 EMERGENCY FIRE SERVICE: PERFORM PHASE I AND PHASE II FIRE SERVICE TESTS TO CONFORM TO APPLICABLE CODES.
5.02 REQUIRED TESTS: ALL REQUIRED TESTS ARE TO BE PERFORMED DURING THE REGULAR WORKING HOURS OF THE ELEVATOR TRADE. SHOULD THE OWNER REQUIRE THIS TEST TO BE PERFORMED OUTSIDE THE REGULAR WORKING HOURS, THERE WOULD BE A CHANGE ORDER TO THE ORIGINAL QUOTED CONTRACT AMOUNT.

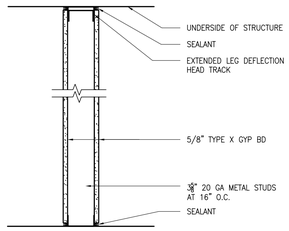
PART 6 - CLEAN UP AND INSPECTION:

6.01 **CLEAN UP:**
ELEVATOR CONTRACTOR WILL REMOVE ALL DEBRIS RESULTING FROM WORK ON THIS CONTRACT. IN ADDITION WE WILL REMOVE FROM PROJECT SITE ALL EQUIPMENT AND UNUSED OR REMOVED MATERIALS AND RESTORE BUILDING PREMISES TO NEAT, CLEAN APPEARANCE.

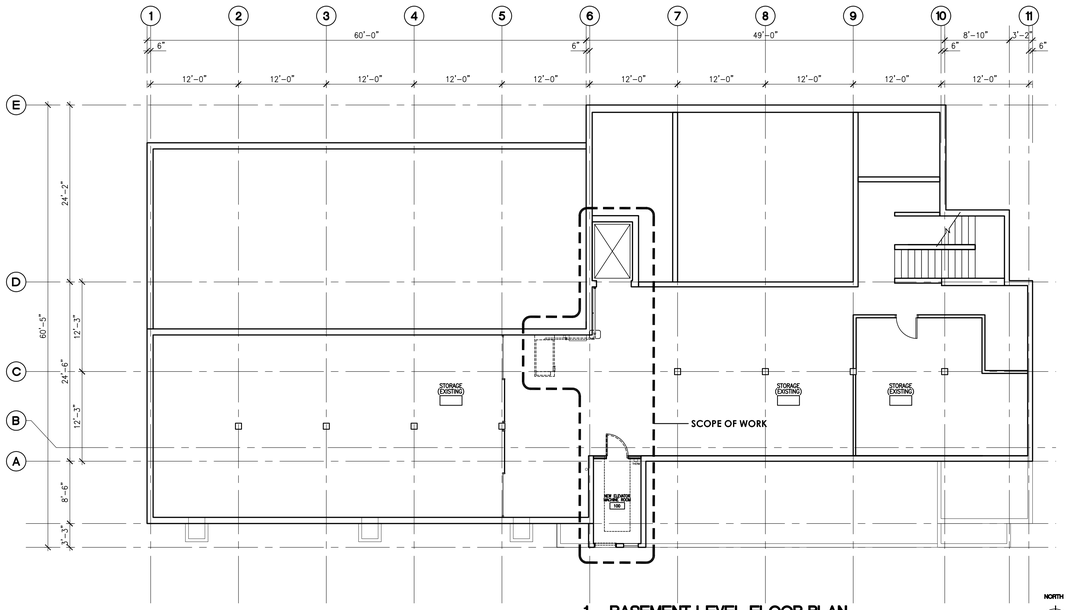
6.02 **INSPECTION:**
ALL MATERIALS AND WORKMANSHIP WILL BE SUBJECT TO INSPECTION OR TESTING. THE OWNER WILL HAVE THE RIGHT TO REJECT DEFECTIVE OR INFERIOR MATERIAL OR WORKMANSHIP AND REQUIRE CORRECTION OF SUCH WITHOUT ADDITION COST TO THE OWNER.



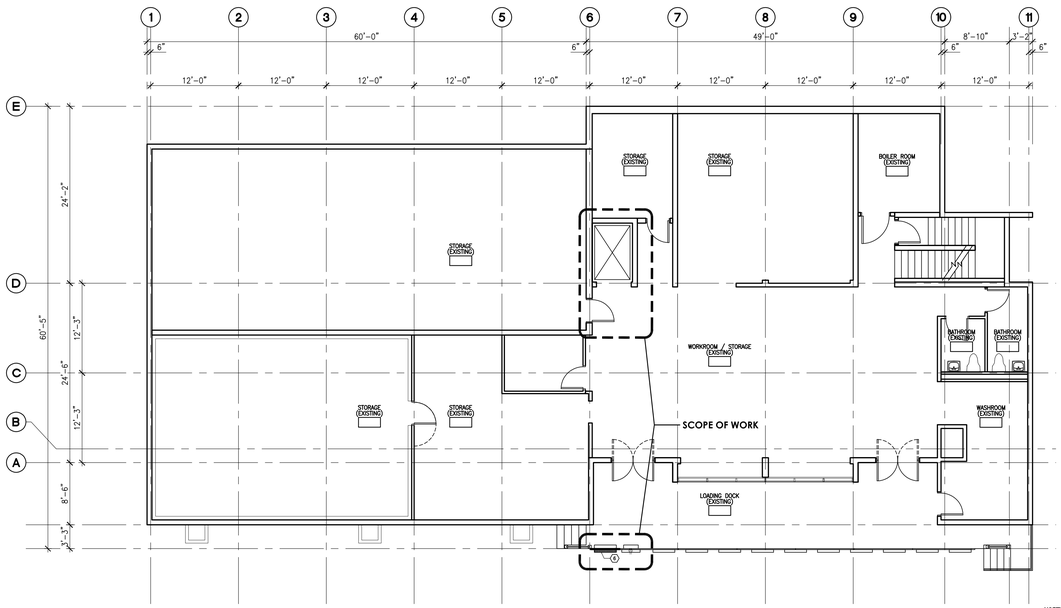
3 ENLARGED PARTIAL BASEMENT FLOOR PLAN
1/4" = 1'-0" X-FP00



4 FRAMED WALL
1-1/2" = 1'-0" STC: N/A UL: NON-RATED



1 BASEMENT LEVEL FLOOR PLAN
1/16" = 1'-0" X-FP00



2 GROUND FLOOR PLAN
1/16" = 1'-0" X-FP01

SCOPE OF WORK- OTHER TRADES

FOLLOWING IS A SUMMARY LISTING OF "WORK BY OTHER TRADES" THAT MAY IS REQUIRED IN CONJUNCTION WITH THE ELEVATOR ALTERATION FOR BUILDING, ELECTRICAL, STRUCTURAL AND MECHANICAL SYSTEM UPGRADES AS MAY BE REQUIRED FOR CODE COMPLIANCE, LIFE SAFETY, OR PROPER EQUIPMENT INSTALLATION AND OPERATION.

ALL REQUIRED REMEDIAL OR PREPARATORY WORK SHALL BE PERFORMED BY PROPERLY LICENSED TRADE CONTRACTORS ACCORDING TO GOVERNING CODES AND IN TIME TO ALLOW THE UNINTERRUPTED PROGRESS OF THE ELEVATOR WORK.

ELECTRICAL

1. REMOVE ALL UNUSED, DISCONNECTED, AND ABANDONED ELECTRICAL CONDUIT IMPACTED BY WORK.
2. PROVIDE THREE (3)-PHASE FUSED DISCONNECT SWITCH, EXTERNALLY OPERABLE AND LOCKABLE IN THE OPEN POSITION, LOCATED AS REQUIRED BY CODE. ACCOMMODATE ANY INCREASES IN MOTOR SIZE OR FEEDER LOADS.
3. PROVIDE A DEDICATED 110 VAC FUSED DISCONNECT SWITCH, EXTERNALLY OPERABLE AND LOCKABLE IN THE OPEN POSITION ADJACENT TO THE MACHINE ROOM DOOR FOR CAB LIGHTING AND VENTILATION, LOCATED AS REQUIRED BY CODE.
4. PROVIDE SHUNT-TRIP DISCONNECT IF FIRE SPRINKLERS ARE PRESENT IN MACHINE ROOM OR HOISTWAY.
5. PROVIDE GFI 120 VAC CONVENIENCE OUTLETS IN MACHINE ROOM AND PIT.
6. PROVIDE SEPARATE OUTLET IN THE PIT AREA IF A SUMP PUMP IS INSTALLED.
7. EXTEND TELEPHONE LINE SERVICE LINES TO THE ELEVATOR MACHINE ROOM AS REQUIRED FOR EMERGENCY COMMUNICATION DEVICE.
8. PROVIDE CONDUIT WITH PULL BOXES FROM EACH ELEVATOR BANK TO ANY REMOTE FIRE CONTROL OR COMMUNICATION PANELS.

MECHANICAL

1. PROVIDE DESIGN/BUILD SYSTEM MECHANICAL EQUIPMENT AS REQUIRED TO PROVIDE INDEPENDENT VENTILATION OR AN AIR CONDITIONING SYSTEM FOR THE ELEVATOR MACHINE ROOM TO ASSURE TEMPERATURE IS MAINTAINED BETWEEN 65 DEGREES AND 95 DEGREES FAHRENHEIT.

MACHINE ROOM

1. PROVIDE A MACHINE ROOM PER BUILDING CODE REQUIREMENTS.
FIRE RATING NOT REQUIRED PER IBC SECTION 3006, EXCEPTION 2.
SECTION 3006.4 MACHINE ROOMS AND MACHINERY SPACES.
EXCEPTION 2: IN BUILDINGS FOUR STORIES OF LESS ABOVE GRADE PLANE WHEN MACHINE ROOM AND MACHINERY SPACES DO NOT ABUT AND HAVE NO OPENINGS TO TO THE HOISTWAY ENCLOSURE THEY SERVE, THE MACHINE ROOM AND MACHINERY SPACES ARE NOT REQUIRED TO BE FIRE-RESISTANCE RATED.
2. PROVIDE INDEPENDENT VENTILATION OR AN AIR CONDITIONING SYSTEM FOR THE ELEVATOR MACHINE ROOM- REFER TO MECHANICAL SCOPE.
3. MINIMUM CLEAR MACHINE ROOM HEIGHT OF 7'-0".
4. PROVIDE SUITABLE LIGHTING THAT PROVIDES A MINIMUM OF 19 FTC AT FLOOR.
REUSE EXISTING CIRCUITING, CONDUIT AND J-BOX WHERE POSSIBLE.
6. PROVIDE UNOBSTRUCTED AREA IN FRONT OF MACHINE ROOM ACCESS DOORS AS INDICATED, (PER ASME A17.1A 2002, REQ. 2.7.3.4.4 (OREGON AMENDMENT)).
7. PROVIDE MACHINE ROOM DOOR SIGN POSTED ON THE OUTSIDE OF THE ACCESS DOOR TO READ: "AUTHORIZED PERSONNEL ONLY, STORAGE OR INSTALLATION OF EQUIPMENT NOT PERTAINING TO THE ELEVATOR IS PROHIBITED." SIGNS, FRAME MOUNTINGS, AND WINDOW INSERTS, IF PROVIDED, SHALL BE OF A DURABLE, NON-BREAKABLE MATERIAL.
(OREGON ELEVATOR SPECIALTY CODE, SECTION 2.7.3.4.7)

HOISTWAY

1. MAINTAIN HOISTWAY FIRE RATING AS REQUIRED BY BUILDING CODE.
2. PATCHING OF ALL HOLES IN HOISTWAY WALLS WITH FIRE RATED MATERIAL.
3. BEVELING ALL EDGES WITHIN HOISTWAY MEASURING OVER 4".
4. REMOVAL OF ANY NON-ELEVATOR RELATED EQUIPMENT FROM WITHIN THE HOISTWAY.
5. A GUARDED LIGHT FIXTURE AND LIGHT SWITCH IN PIT. SWITCH MUST BE LOCATED 42" ABOVE THE LOWEST LANDING FLOOR LEVEL.
6. PROVIDE A MEANS TO DISPLACE WATER LOCATED IN THE PIT.
7. PROVIDE ELEVATOR HOISTWAY VENTILATION TO THE OUTSIDE ATMOSPHERE AS REQUIRED BY BUILDING CODE.

FIRE SERVICE

1. PROVIDE FIRE ALARM SMOKE DETECTORS IN THE MACHINE ROOM TERMINATING AT ELEVATOR CONTROLLER AS REQUIRED.

2. FIRE ALARM INITIATING DEVICES MUST BE LOCATED IN FRONT OF EACH ELEVATOR ENTRANCE AS WELL AS IN THE MACHINE ROOM AND AT THE TOP OF THE HOISTWAY .
A17.1-2007, SECTION 2.27.3.2.1 (e) ORS, CHAPTER 918, DIVISION 400- AMENDED PER 2011 COMPILATION PROVIDED FOR REFERENCE:
WHERE AN ELEVATOR HAS FIRE ALARM INITIATING DEVICES LOCATED ONLY IN THE ELEVATOR MACHINE ROOM, HOISTWAY, OR BOTH LOCATIONS, AND THE BUILDING IS NOT PROVIDED WITH A FIRE ALARM CONTROL PANEL, THE FIRE ALARM CONTROL UNIT SHALL BE PERMITTED TO BE OMITTED, PROVIDING THE ELEVATOR OPERATION DEFAULTS TO PHASE I EMERGENCY RECALL OPERATION IF EITHER FIRE ALARM INITIATING DEVICE OR ITS RELATED CIRCUIT FAILS.

3. WHERE SPRINKLERS EXIST IN THE MACHINE ROOM AND/OR HOISTWAY, PROVIDE A FIRE ALARM INITIATING DEVICE WITHIN 12" OF EACH SPRINKLER HEAD.

GENERAL NOTES

DRAWINGS, ILLUSTRATIONS OR DESCRIPTIVE MATTER ARE FURNISHED WITH THIS PROPOSAL, THEY ARE APPROXIMATE AND ARE SUBMITTED ONLY TO SHOW THE GENERAL STYLE AND ARRANGEMENT OF EQUIPMENT BEING OFFERED.

1. COORDINATE ACCESS TO THE BUILDING, DELIVERY, STORAGE AND STAGING MATERIALS WITH OWNER.
2. CUTTING OF EXISTING WALLS, FLOORS AND FINISHES, TOGETHER WITH ALL REPAIRS MADE NECESSARY BY SUCH CUTTING OR CHANGES, E.G. CUTTING OF LOBBY WALLS FOR FLUSH HALL FIXTURES AND REMOVAL OF ENCROACHING LOBBY FEATURES SUCH AS WALL-MOUNTED ASHTRAYS. REMOVAL, REPLACEMENT, AND/OR REPAIR OF ANY MIRRORS, MILLWORK, PLASTER, STONE OR OTHER SPECIAL HALL FINISHES.
3. ALL WORK OF OTHER TRADES MUST BE COMPLETED AND READY AT TIME OF FIRST ELEVATOR INSPECTION.
4. THESE DOCUMENTS WERE PREPARED WITHOUT COMPLETE AS-BUILT DRAWINGS. KNOWLEDGE OF SPECIFIC PIPING, CONDUIT AND DUCT RUNS OR ANY COVERED STRUCTURAL CONDITIONS. CONTRACTOR SHALL USE THESE DOCUMENTS, FIELD VERIFY ALL RELEVANT COMPONENTS IN SPECIFIC WORK AREAS AND PROVIDE COMPLETE WORK MEETING ALL APPLICABLE CODES, ORDINANCES AND FIRE AND LIFE SAFETY ISSUES EFFECTIVE AT THE TIME OF CONSTRUCTION.
5. IF UNFORESEEN CONDITIONS ARE UNCOVERED IN SPECIFIC AREAS THAT AFFECT THE WORK, CONTRACTOR SHALL IMMEDIATELY CONTACT THE OWNER TO EVALUATE THE CONDITION.
6. THE CONTRACTOR(S) SHALL PROVIDE/PERFORM ALL DEMOLITION AND CONSTRUCTION LABOR, FURNISH/INSTALL CASEWORK AND FIXTURES, TRANSPORTATION, EQUIPMENT AND SERVICES NECESSARY TO PERFORM WORK SHOWN ON THE DRAWINGS AND SPECIFICATIONS, AND DESCRIBED HEREIN, UNLESS NOTED OTHERWISE.
7. DO NOT SCALE DRAWINGS, CONTRACTOR TO VERIFY, IN THE FIELD, ALL DIMENSIONS, ELEVATIONS, EXISTING AND NEW CONDITIONS, WHICH ARE REQUIRED FOR CONNECTIONS TO, OR INSTALLATION IN, AREAS COVERED BY DOCUMENTS. REPORT DISCREPANCIES ON THE JOB BEFORE ORDERING MATERIAL OR PROCEEDING WITH WORK. DISCREPANCIES, IF ANY, ARE TO BE REFERRED TO THE OWNER IMMEDIATELY FOR DETERMINATION ON HOW TO PROCEED.
8. THE CONTRACTOR(S) TO OBTAIN AND PAY FOR PLAN CHECK AND BLDG. PERMIT, AND ANY OTHER PERMITS AND FEES ASSOCIATED WITH THIS SCOPE WORK.
9. THE CONTRACTOR(S) SHALL OBTAIN & PAY FOR ALL NECESSARY INSPECTIONS BY THE BUILDING DEPARTMENT OR STATE & LOCAL CODES AS REQUIRED TO SHOW COMPLIANCE THEREWITH.
10. ALL PRODUCTS, MATERIALS, AND EQUIPMENT SHALL BE REVIEWED BY THE OWNER. SHOP DRAWING SUBMITTALS AND SAMPLES SHALL BE GIVEN TO THE OWNER FOR REVIEW. VERIFY REQUIRED NUMBER OF COPIES TO BE SUBMITTED.
11. PROVIDE BRACING AND SUPPORT AS REQUIRED TO MAINTAIN STRUCTURAL INTEGRITY OF THE NEW AND MODIFIED AREAS OF THE WORK.
12. PATCH & REPAIR AT CUT & INFILL AREAS TO MATCH ADJACENT FINISHED SURFACES.
13. CONTRACTOR IS RESPONSIBLE FOR DAILY CLEANUP DURING THE JOB AND REMOVAL OF ALL DEMOLITION MATERIALS UNLESS OTHERWISE NOTED.
14. CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL CLEANUP IN AND AROUND THE PROJECT AREA AND ASSOCIATED STAGING OR DUMPING LOCATIONS, INCLUDE FINAL WIPE AND VACUUM.
15. CONTRACTOR SHALL COORDINATE ALL WORK WITH OWNER. COORDINATE ANY INTERRUPTION OF SERVICES SUCH AS MECHANICAL, PLUMBING, OR ELECTRICAL WITH THE OWNER, CONFORM TO ALL THE WORK, SHUTDOWN NOTICE PROCEDURES OF THE OWNER-VERIFY TIME REQUIRED.
16. NO FINAL PAYMENT SHALL BE ISSUED UNTIL THE CONTRACTOR DELIVERS TO THE OWNER, A CERTIFICATE OF COMPLIANCE/OCCUPANCY.
17. WHERE DRAWINGS INDICATED MATERIAL TO "MATCH EXISTING" PRODUCT IS TO BE OF SAME QUALITY AS EXISTING (I.E. MATCH SURFACE TEXTURE, SHEEN AND FACTORY-FINISHED PRODUCTS, PATTERN, AND COLOR). PROVIDE SAMPLE SUBMITTALS FOR OWNER APPROVAL. NOTIFY OWNER OF ANY ITEMS THAT ARE UNAVAILABLE/DISCONTINUED IMMEDIATELY.
18. PAINTING/FINISHING OF MATERIALS TO BE PREPARED PER MANUFACTURER RECOMMENDATIONS AFTER MATERIAL REPAIRED, PATCHED AND FILLED AS REQUIRED.
19. CONTRACTOR TO PROVIDE ON SITE SUPERVISION AS REQUIRED BY OWNER.
20. ALL DOORS ARE EXISTING UNLESS INDICATED OTHERWISE. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERATING DEVICES ON DOORS, CABINETS, PLUMBING FIXTURES AND STORAGE FACILITIES SHALL HAVE LEVER OR OTHER SHAPE PERMITTING OPERATION BY WRIST OR ARM PRESSURE AND NOT REQUIRING TIGHT GRASPING, PINCHING, OR TWISTING TO OPERATE. *(ALL NEW LOCKSETS SHALL COMPLY WITH 6-PIN BEST LOCKING CORES USED BY THE ZOO.)*
21. PROVIDE EXIT SIGNS AND EMERGENCY LIGHTING SYSTEM IN CONFORMANCE WITH CITY FIRE MARSHALL REQUIREMENTS.
22. ALL ENGINEERING AND PROFESSIONAL STAMPS FOR APPLICABLE SYSTEMS TO BE PROVIDED BY THE DESIGN-BUILD CONTRACTOR(S).
23. ALL DESIGN/BUILD SYSTEMS ARE UNDER SEPARATE PERMIT. IT IS THE RESPONSIBILITY OF THE DESIGN/BUILD SUB-CONTRACTOR TO OBTAIN THESE PERMITS.
24. EXIT AND EGRESS LIGHTING SYSTEM ARE TO BE INSTALLED/RELOCATED TO MEET BUILDING CODE AND PRESCRIPTIVE LIGHTING PATH. EGRESS PLAN IS INDICATED IN THESE DOCUMENTS, BUT SHOULD BE REVIEWED BY THE DESIGN/BUILD FIRE SYSTEMS SUBCONTRACTOR.
25. MAINTAIN EXISTING BUILDING FIRE AND LIFE SAFETY SYSTEMS INCLUDING, BUT NOT LIMITED TO SPRINKLER SYSTEMS, SMOKE DETECTION SYSTEMS, SMOKE EVACUATION SYSTEMS, EXITING SYSTEMS AND EMERGENCY ANNUNCIATION SYSTEMS THROUGHOUT CONSTRUCTION.
26. THE CONTRACTOR SHALL CONSULT PLANS OF ALL TRADES FOR ALL OPENINGS AND ROUGH-OUTS THROUGH SLABS, WALLS, CEILINGS AND ROOFS FOR DUCTS, PIPES, CONDUITS, CABINETS AND EQUIPMENT, AND SHALL VERIFY SIZE AND LOCATION BEFORE PROCEEDING WITH WORK.
27. ALL CONTRACTOR FURNISHED ITEMS SHALL BE SUPPLIED WITH REQUIRED MECHANICAL AND ELECTRICAL SERVICES TO PROVIDE PROPER OPERATION OF ITEMS FURNISHED.

NOTES / LEGEND

DEMOLITION KEY NOTES

1. TERMINATE/REMOVE EXISTING HYDRAULIC LINE.
2. REMOVE SECURITY FENCE/GATE AROUND EQUIPMENT
3. REMOVE PLYWOOD PARTITION AND DOOR
4. REMOVE/RELOCATE ALL SHELVING IN ROOM.
5. REMOVE PLYWOOD PANEL AT EXTERIOR OPENING.
6. REMOVE / SAFE-OFF ALL ELEVATOR ELECTRICAL GEAR & PANELS NOT OTHERWISE REPLACED OR RE-INSTALLED

FLOOR PLAN- KEY NOTES

1. NEW HYDRAULIC LINES, ELECTRICAL CONDUIT, WIRING AND ALL UTILITIES SERVICING THE NEW ELEVATOR MACHINE ROOM TO BE ROUTED VERTICALLY ALONG EXISTING CEILING, TYP.
2. NEW GYP. BD. FRAMED WALL- REFER TO 4/A101.
3. NEW 3'x6'-8" DOOR: DOOR HARDWARE SHALL BE SELF-CLOSING AND SELF-LOCKING, OPERABLE FROM INSIDE THE ROOM WITHOUT THE USE OF A KEY. LEVER STYLE, MANUFACTURER, HARDWARE GRADE, TYPE, FINISH, AND KEYING TO BE PER FACILITY STANDARDS.
4. NEW WALL-MOUTED FIRE EXTINGUISHER.
5. NEW PTD. (FACTORY FINISH) MECHANICAL LOUVER AT EXISTING EXTERIOR OPENING. COORDINATE LOUVER OPENING PERCENTAGE WITH MECHANICAL REQUIREMENTS. COORDINATE PAINT COLOR WITH OWNER.
6. NEW 36" WIDE (MIN.) LOADING DOCK BUMPER. BUMPER WIDTH, DEPTH, MATERIAL, AND PRESSURE TREATED 2x WOOD BLOCKING/SUBFRAMING TO MATCH EXISTING. MOUNTING HIEGHT AND ANCHOR ATTACHMENT TO CONCRETE DOCK TO MATCH EXISTING.

LEGEND

- REFERENCE NOTE TAG
- NAME / 100 — ROOM TAG
- EXISTING WALL TO REMAIN
- EXISTING DOOR TO REMAIN
- EXISTING WALL, ITEM SHOWN DASHED TO BE REMOVED – SALVAGE AND STOCKPILE ALL DOORS/ FRAMES & HARDWARE
- NEW DOOR
- NEW WALL
- FIRE EXTINGUISHER

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