STRUCTIONS: Complete all areas of sections 1 - 7 that penally to your project. Please no		8. LAND USE CONDITIONS (DPD staff use only)	10. DRAINAGE & SEWER REVIEW (DPD staff use only)						
1. APPLICANT INFORMATION	5. BUILDING CODE INFORMATION	O. LAIRD GOL GOLDEN	DPD SEWER AND DRAINAGE REVIEW DESK: (206) 684-5362						
	MULTIPLE BUILDINGS IN THIS PROJECT?	Assigned planner Phone	DRAINAGE REVIEW REQUIRED? Yes No						
ROJECT ADDRESS 869 Olive way	Yes No 2009 Sealtie Building Code		Flow control required						
	PROVIDE THIS INFORMATION FOR EVERY BUILDING IN YOUR PROJECT  2009 Seattle Residential Code  2009 SBC (struct) and 2006 SRC (arch)		No flow control required						
install (1) Sidewall Exhaust Fon	DPD building ID (see building data sheet):		Impervious surface this project (new or replaced) in eq. ft.						
	Existing # of below-grade stories Proposed # of above-grade stories Mezzonines? ( Yes : i'llo		at a large of a late sewer marmit is surence to mast standard plans and methy						
	The second secon		NOTE: The drainage system shown in these plans may be changed at the time of side sewer permit issuance to meet standard plans and meth						
And All a LOCAL	Existing # of above-grade stories Proposed # of below-grade stories !		Route for drainage review						
NER Olive way Highrise LP ADDRESS 809 Glive way	Building code type of construction		SIDE SEWER REVIEW REQUIRED? Yes No						
ONE 266-250.4530 E-MAIL Connich @ holadayparks.com	FLOOR LEVEL GROUP OCCUPANCY/USE FLOOR AREA SPRINKLER (Y/N) OTHER FIRE PROTECTION		No conflict with side sewer						
NTACT PERSON Connie Hardin ADDRESS 4600 S. 134th Piece	The state of the s		Construction conflicts with applicant's side sawer. Contact Public Health Department at (208) 233-7914  Construction conflicts with side sawer serving another property. Contact DPD Sewer and Drainage Review Deak at (206) 684-5382						
C ACOU			Construction conflicts with side sever serving another property. Contact SPU at (208) 684-7563  Construction conflicts with public utility main (requires buildover). Contact SPU at (208) 684-7563						
NE 208-250-4530 FAX 208-248-8700 E-WAIL (CONTINUE CONTINUE CONTINU			Construction conflicts with public utility triain (respectively)						
VIOUS RELATED MUP:			Date						
LATED STANDARD			Reviewed by						
INS			NOTE: A separate side sewer permit is required from DPD for ALL new drainage and sewer installations. For more information, call the Sewer and Drainage Review Desk at (205) 884-5362.						
	Remodel: Construction project raive \$								
2. LAND USE CODE INFORMATION	Remodel: Construction project value \$   Sprinklers   NFPA 13   NFPA 13 R   Partial system   Fire starm   Other system Type		11. ENVIRONMENTALLY CRITICAL AREAS INFO (DPD staff use only)						
	Change of occupancy   Yes   No From   To								
ASSESSOR'S PARCEL NO. 0660000845 DESIGN REVIEW? Yes No	Posted occupancy		ENVIRONMENTALLY CRITICAL AREAS (ECA)						
If yes, please provide:	EMERGENCY SYSTEMS PROVDED		Site is not located in ECA    Site is not located in ECA   Site is not loc						
RLAY ZONING Planner	EMERGENCY STSTEMS PROVOED  Elevator pressurization   Exit and pathway lighting   Stairway pressurization   Smoke removal system   Emergency generator		Mapped ECA designation 1 2 3 4 5 E ECA Identified by pre-application site visit report 25						
ORIC OR LANDMARK DISTRICT Planner's phone no.			ECA identified by pre-application site visit report as  ECA exemption (see review details in Hansen)						
RELINE ZONE	6. ENERGY/MECHANICIAL CODE		Deta						
Exempt Requires Shoreline review	ACCURACY WAS DERODIDION		Reviewed by						
Exampt   Requires review	SCOPE OF MECHANICAL WORK DESCRIPTION		Denied   Granted Type						
SQ. FT. DROPOSED USE SQ. FT.	Install (1) Sidewall Exhaust Fan		Small project waiver						
TING USE SQ. FT. PROPOSED USE SQ. FT.			New development coverage this permit (eq. ft.)						
			Previous development coverage (after 10/31/92) Permit # Sq. it.						
	RELATED BUILDING PERMIT PROJECT # 1								
	LOCATION OF DUCTWORK OR MECHANICAL EQUIPMENT								
	Interior Yes No Exterior wall Yes No Rooftop Yes No		Total						
	MECHANICAL-ONLY PERMIT Project value \$ 5,000								
REPARTMENT OF NEIGHBORHOODS CERTIFICATE OF APPROVAL REQUIRED?  Ye: No Ye: No Ye: No	APPLICABLE OCCUPANCY	NOW OURSE CUT REQUIRED TO Vos 1 No.   Residential   Commercial	12. SHOP DRAWINGS, KEY AREA INSPECTION & BUILDING CONDITION						
OTREETIALLET HIS TO VEHICLE OF THE PROPERTY OF	Single-family/duplex Nuiti-family Non-residential	NEW CURB CUT REQUIRED Yes No Residential Commercial	(DPD staff use only)						
PARKING SPACES  Existing Offsite Accessible Existing Proposed Nev/	BUILDING ENVELOPE COMPLIANCE HEATED SEMI-HEATED UNHEATED SPACE	The state of the s							
Proposed Onelle Offsite Accessible Demolished Live/Work	Existing envelope - no change	9. SPECIAL INSPECTIONS (DPD staff use only)	Sprinkler drawings NFPA 13 NFPA 13 R* Partial system Location required for:						
Offsite Location TOTAL	Existing envelope - attered		Required shop drawings/						
	New anvelope		key area inspections:						
3. HOUSING UNIT OCCUPANCY	Compliance method System analysis Target UA/ Prescriptive - Group R Provide option #								
DEFINITION: Housing unit means any dwelling unit, housekeeping unit, guest room, dormitory, or single room occupancy unit, at d may include a residentia unit in a commercial building, an artist's studio dwelling unit, or a live/work unit.	Not included with this application (if mach drawings are included with plans, please stamp "for reference only")		13. PERMIT ISSUANCE AUTHORIZATION						
CHECK ONLY ONE BOX BELOW TO INDICATE HOUSING OCCUPANCY AT DATE OF PERMIT APPLICATION.	Included with this application(see acope description for detail)		(DPD staff use only)						
Unit(s) unoccupied Unit(s) occupied by residential tener:	Heating fuel type Sirgle-family/duplex Electric Other		REVIEW APPROVAL DATE NOTES						
Unit occupied by property owner  Refer to property owner/tenant assis.ance	Muti-family ["Electric   Other		LOGATION INITIALS						
1 140 min or behavy	Non-residential   Electric   Other		zoning (inic. street improvements) & B7415						
Unit(s) on property not affected by permit scope	THE APPLICATION		CURB CUT						
pertify, under panelty of perjury under the laws of the State of Washington, that the above information is true and correct.	OTHER MECHANCIAL EQUIPMENT INCLUDED IN THIS APPLICATION		ORDINANCE						
	Commercial kitchen hood extaust system   Fume hood   Sprey paint booth   Other Specify:		ENERGY						
wmer/Applicant Signature Printed Name Deta Piece			MECHANICAL COFN 18/8/2015						
	DOCUMENTS INCLUDED  Residential equipment sizing calc (unit by unit)  Noise compliance report (for inscrience)		DRAINAGE						
4. GROUND DISTURBANCE	Residential equipment sizing calc (unit by unit)  Non-residential cooling and heating load (for other that Group R)  Commercial kitchen hood worksheet		ECA						
	Non-residential cooling and resident to the following to		GRADING						
GROUND DISTURBANCE Yes No Cubic yerds Meximum heig:	[ Structural load calculation (termechanical equipment)		WATER (SPU)						
Cubic yards Maximum heign:	SINGLE-FAMILY/DUPLEX		FIRE HEALTH (King County)						
	Green all heating AFUE : Table 9-1 option		NOISE .						
Inside City of Seattle  Address and/or permit #	With adulphinate acca		CONVEYANCE/ELEVATOR						
rosion control is required PRIOR to any ground disturbance. Please refer to Temporary Erosion and Sediment Control (TESC) Plan.	Separate permits are required for lighting, plumbing, gas piping, boiler, and refrigeration systems.		SHORING (SDOT)						
CUSTOMER ALERT!	7. PRIORITY GREEN		STREET IMPROVEMENT (SDOT)						
COSI CIMEL VETILI:	(www.seattle.gov/dpd/prioritygreen)		PARKS						
lite Inspection Required Prior to First Ground Disturbance - Call (208) 884-8909  A DPD site inspection is required prior to any ground disturbance related to this permit, including clearing, grubbing or grading.			PROTECTED DISTRICTS (DON)  SEPA EXEMPTION						
DPD site inspection is required prior to any ground disturbance related to this period, working in the period.	PRIORTY GREEN EXPEDITED Screening required prior to building permit intake appointment.  PRIORTY GREEN FACILITATED Screening required prior to building permit or MuP intake		LANDUSE SEPA EXEMPTION						
Preconstruction Conferences, When Required - Cali (206) 694-8860  A DPD preconstruction conference should be scheduled prior to beginning work. A conference is required for the following types of work:  A DPD preconstruction conference should be scheduled prior to beginning work. A conference is required for the following types of work:	appointment.								
. When any special inspections are indicated on the plan . When land use or design review conditions are indicated on the plan . When a DPD plans examiner specifies on plans unusual or complex inspection or occupancy requirements	Rating amicipated:  Built Green  Figure 10 points		14. DEPARTMENT SIGN OFFS (DPD staff use only)						
			CITY OF PLANNING						
Rules for Ufer Grounds - Cell (206) 684-6363 If you have any questions or concerns regarding the rules (2005 NEC) for installation of ufer grounds, please contact DPD's Electrical Technical Backup alonday - Friday, 7:00 e.m. to 4:30 p.m.	5 star Built Green 5 Star + 2030 Challenge		ISSUED BY PATE EL PPIMENT 8/3/15						
Required SDOT Permits and inspections	LEED Platinum + 2030 Challengs		AUG 26 2015						
Street Tree Inspections  Protection and/or planting/pruning/removal of street trees requires Seattle Department of Transportation (SDOT) Inspection and a oproval. Call prior to Protection and/or planting/pruning/removal of street trees requires Seattle Department of Transportation (SDOT) Inspection and a oproval. Call prior to Construction:  Commercial/Muttifamily Zones, (205) 684-5893	[ Gold		APPROVED Subject to Errors And Omission						
Single Parmy 20164, (200) 004-1881	Platinum  DPD Alternative Path for Single Family		By Sark Novotney DATE RECEIVED AT						
Street Use Permits Cell prior to construction: (206) 684-5283			BUILDING PLANS EXAMINER MECHANICAL PLANT STAMINER DATE RECEIVED AT I						
Water Service Inspection by SPU Required  Water Service Inspection by SPU Required  (SPU) at (200	Using 3 credits for 3EC Table 9-1								
All water service piping on property must be inspected prior to backrising trench. For instrumental property must be inspected prior to backrising trench. For mater quality backflow protection information and inspection, call SPU at (208) 684-3536.									

FLAT SHALL BE 1/4" IN 10'. ROOF CURB MUST BE SECURELY FASTENED TO STRUCTURAL SUPPORT MEMBERS. 6. FINAL PAINTING OF GRILLES, REGISTERS, AND DIFFUSERS, AS MAY BE REQUIRED BY ARCHITECT, SHALL BE DONE BY GENERAL CONTRACTOR. 7. WHERE INDICATED ON PLANS, SOME OF THE MECHANICAL SHAFTS WILL BE USED FOR CONVEYING AIR WITHOUT DUCTWORK. TO ASSURE SATISFACTORY SYSTEM

BY GENERAL CONTRACTOR). WHERE INDICATED ON PLANS, SOME OF THE MECHANICAL SHAFTS WILL BE USED FOR OUTSIDE AIR INTAKE WITHOUT DUCTWORK. THESE SHAFTS MUST BE SUBSTANTIALLY AIRTIGHT (AS PER NOTE #7). ALSO, THEY MUST BE INSULATED AND HAVE A VAPOR BARRIER SIMILAR TO OUTSIDE WALL CONSTRUCTION.

PERFORMANCE, THESE SHAFTS ARE REQUIRED TO BE CONSTRUCTED SUBSTANTIALLY

AND MUDDED, AND THAT ALL CONSTRUCTION JOINTS BE CAULKED WITH A

AIRTIGHT. THIS REQUIRES THAT THE GYPSUM WALLBOARD JOINTS BE THOROUGHLY TAPED

RESILIENT, NON-HARDENING CAULK. (ALL SHAFT CONSTRUCTION AND SEALING SHALL BE

9. WHERE INDICATED ON PLANS, SOME OF THE MECHANICAL SHAFTS WILL BE USED FOR ELEVATOR OR STAIRWELL PRESSURIZATION WITHOUT DUCTWORK. THESE SHAFTS MUST BE SUBSTANTIALLY AIRTIGHT (AS PER NOTE #7).

10. WHERE INDICATED ON PLANS, SOME OF THE MECHANICAL SHAFTS WILL BE USED FOR GARAGE EXHAUST OR TRANSFORMER ROOM EXHAUST WITHOUT DUCTWORK. THESE SHAFTS MUST BE SUBSTANTIALLY AIRTIGHT (AS PER NOTE #7). ALSO, THEY MUST HAVE A VAPOR BARRIER SIMILAR TO OUTSIDE WALL CONSTRUCTION. VAPOR BARRIER BY GC. CAN BE PAINT OR FOIL FACED GWB.

11. ALL LOUVERS, BOTH DUCTED AND NON-DUCTED, ARE TO BE FURNISHED AND INSTALLED BY THE GENERAL CONTRACTOR. SEE ARCHITECTURAL DRAWINGS FOR LOUVER SIZES AND LOCATIONS. SOME LOUVERS ARE SHOWN ON THESE PLANS FOR COORDINATION AND TO INDICATE THE REQUIRED LEVEL OF PERFORMANCE. LOUVERS SHALL BE RUSKIN ELF-375DX AT AIR INTAKES AND EXHAUST OUTLETS. LOUVERS OF ALTERNATE MAKE AND/OR TYPE MAY BE SUBSTITUTED ONLY IF THEY HAVE BOTH PRESSURE DROP AND WATER CARRY-OVER PERFORMANCE EQUAL TO OR BETTER THAN THE LOUVERS

12. THE GENERAL CONTRACTOR SHALL PROVIDE A 1" UNDER-CUT OF THE FOLLOWING DOORS: APARTMENT: BEDROOM DOORS, LAUNDRY ROOM DOORS, BATHROOM DOORS. COMMON AREA: TOILET ROOM DOORS

13. GENERAL CONTRACTOR IS RESPONSIBLE FOR TEMPORARY HEAT DURING CONSTRUCTION. M.C. IS NOT RESPONSIBLE FOR ANY AIR CONDITIONING FOR G.C. OFFICES, ETC.

14. ALL ACCESS PANELS ARE FURNISHED BY MECHANICAL CONTRACTOR AND INSTALLED BY GENERAL CONTRACTOR.

15. UNIT WEIGHTS AND LOCATIONS HAVE BEEN COORDINATED WITH ARCHITECT AND STRUCTURAL ENGINEER TO DETERMINE BUILDING STRUCTURAL ADEQUACY. IF IT IS NECESSARY TO RELOCATE A UNIT, NOTIFY HOLADAY-PARKS' ENGINEERING DEPARTMENT FOR RE-COORDINATION.

16. EACH CORRIDOR REQUIRED TO BE A ONE-HOUR RATED LIFE SAFETY EXIT PASSAGEWAY OR STAIRWAY SHALL HAVE A RATED SHAFT BY GENERAL CONTRACTOR TO ENCLOSE ALL DUCTS AND PIPING THAT CROSS THE CORRIDOR. DUCTWORK PASSING OVER THE CORRIDOR IS NOT REQUIRED TO BE FIRE DAMPERED, BUT PENETRATIONS THROUGH THE RATED CEILING MUST BE FIRE DAMPERED.

17. WHERE INDICATED ON PLANS, BASEMENT/GARAGE AREAS HAVE BEEN DESIGNATED TO BE USED AS "UNOCCUPIED STORAGE AREAS". THE BUILDING AND MECHANICAL CODES DO NOT REQUIRE ANY VENTILATION FOR THIS TYPE OF USAGE. HEATING SHALL BE PROVIDED FOR FREEZE PROTECTION ONLY WHERE IT IS NOTED ON THE PLANS. 18. IN NO INSTANCE SHALL OTHER TRADES HANG OR SUPPORT EQUIPMENT, CEILING

WIRES, LIGHT FIXTURE HANGERS, ETC., FROM HVAC EQUIPMENT OR DUCTWORK.

19. PLUMBER SHALL ROUTE PLUMBING VENTS SO AS TO MAINTAIN MINIMUM 15 FEET OF CLEARANCE FROM OUTSIDE AIR INTAKES.

## SEISMIC RESTRAINING NOTES

(REFER TO THE STRUCTURAL DRAWING S1.1 FOR IDENTIFICATION OF THE SEISMIC ZONE)

1. ANY BASE-MOUNTED/SPRING-MOUNTED EQUIPMENT SHALL HAVE TOTALLY ENCLOSED, SEISMIC RATED SPRINGS (MASON MODEL SSLFH OR EQUAL), OR OPEN SPRINGS PLUS SEISMIC "SNUBBERS" (MASON MODEL Z-1225 OR EQUAL).

2. ALL SPRING MOUNTED, SUSPENDED EQUIPMENT SHALL HAVE SEISMIC CABLES INSTALLED IN ADDITION TO EQUIPMENT HANGERS. CABLES SHALL BE INSTALLED DIAGONALLY UP AND AWAY FROM EQUIPMENT CORNERS AND BE ATTACHED TO THE STRUCTURE ABOVE. CABLES SHALL BE LEFT PARTIALLY SLACK. SIZE AND INSTALL CABLES PER SMACNA SEISMIC RESTRAINT MANUAL.

. ANY EQUIPMENT MOUNTED RIGIDLY TO THE BUILDING STRUCTURE SHALL NOT REQUIRE ADDITIONAL SEISMIC RESTRAINT.

4. RESTRAIN ALL RECTANGULAR DUCTS 6 SQ. FT. OF AREA AND LARGER AND ALL ROUND DUCTS 28" IN DIAMETER AND LARGER. RESTRAINTS SHALL OCCUR 30 FEET O.C. MAXIMUM AND SHALL BE INSTALLED AT EVERY DUCT TURN AND AT THE END OF THE DUCT RUN. SIZE AND INSTALL RESTRAINTS PER SMACNA SEISMIC RESTRAINT MANUAL

5. ALL CEILING MOUNTED DIFFUSERS SHALL HAVE WIRES (16 GA.) ATTACHED TO THE ABOVE FLOOR SLAB OR STRUCTURE. SAFETY WIRES SHALL BE LEFT PARTIALLY SLACK. ALTERNATE METHOD SHALL BE TO ATTACH DIFFUSERS TO T-BAR GRID WITH SCREWS, RIVETS, OR CEILING CLIPS FOR TERMINALS WEIGHING LESS THAN 20 POUNDS.

## ELECTRICAL COORDINATION NOTES

1. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL SELF-LIMITING HEAT TAPE ON MAKEUP WATER FOR THE CHILLED WATER SYSTEM. HEAT TAPE SHALL BE RAYCHEM 'XL-TRACE' MODEL 5XL, OR EQUAL, AND SHALL BE ACTUATED BY THERMOSTAT BASED ON AMBIENT TEMPERATURE. ELECTRICAL CONTRACTOR SHALL INSTALL THERMOSTATS AND DO ALL POWER WIRING.

WHERE INDICATED ON EQUIPMENT SCHEDULES, THE EQUIPMENT COMES COMPLETE FROM THE FACTORY WITH MOTOR CONTROLS AS REQUIRED. ELECTRICIAN SHALL PROVIDE SERVICE AND A DISCONNECT PER CODE, AND DO ALL POWER WIRING, INCLUDING CONNECTING TO EQUIPMENT.

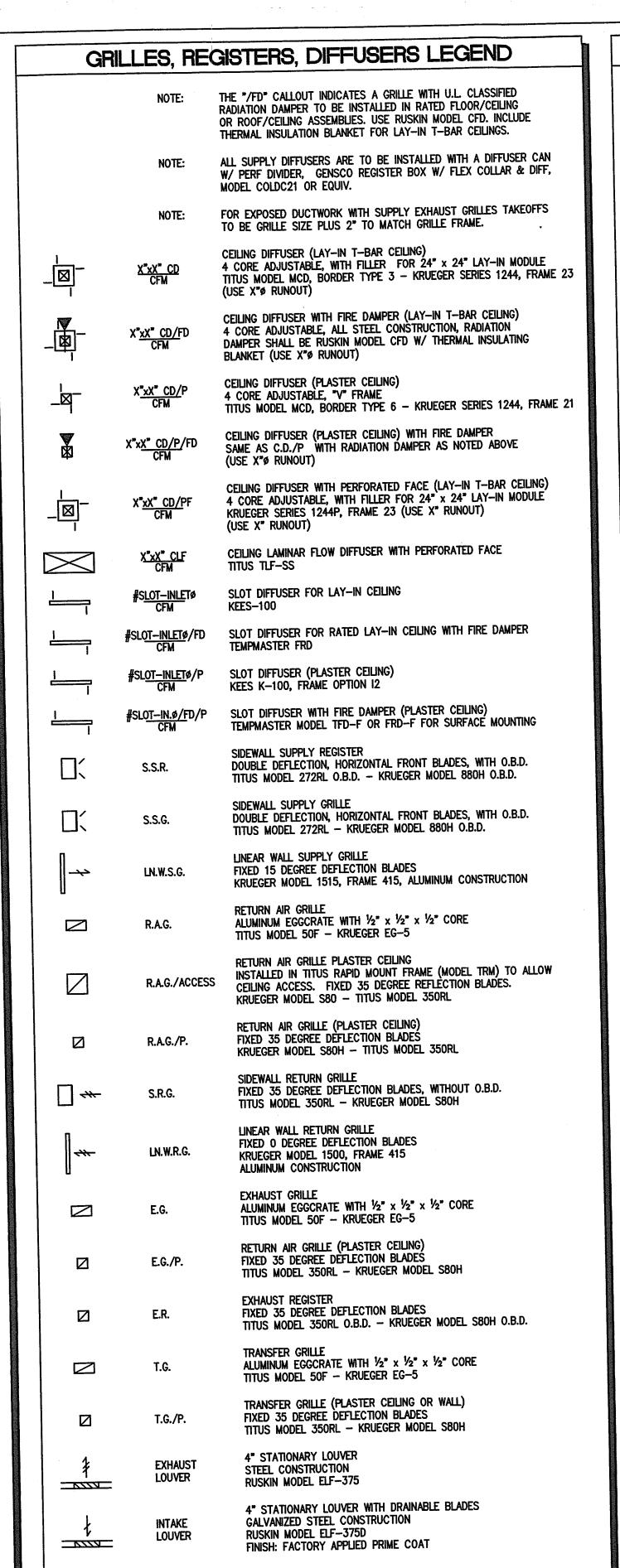
WHERE INDICATED ON EQUIPMENT SCHEDULES, THE EQUIPMENT REQUIRES FIELD INSTALLED MOTOR STARTERS. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL MOTOR STARTERS (OR CONTACTORS WHERE INDICATED), PROVIDE SERVICE AND DISCONNECT PER CODE, AND DO ALL POWER WIRING, INCLUDING CONNECTING TO EQUIPMENT. HOLDING COIL CIRCUIT SHALL BE POWERED BY ELECTRICAL CONTRACTOR (120 VOLT/1 PH. UNLESS INDICATED OTHERWISE). ALL STARTERS SHALL BE PROVIDED WITH H-O-A SWITCH UNLESS INDICATED OTHERWISE.

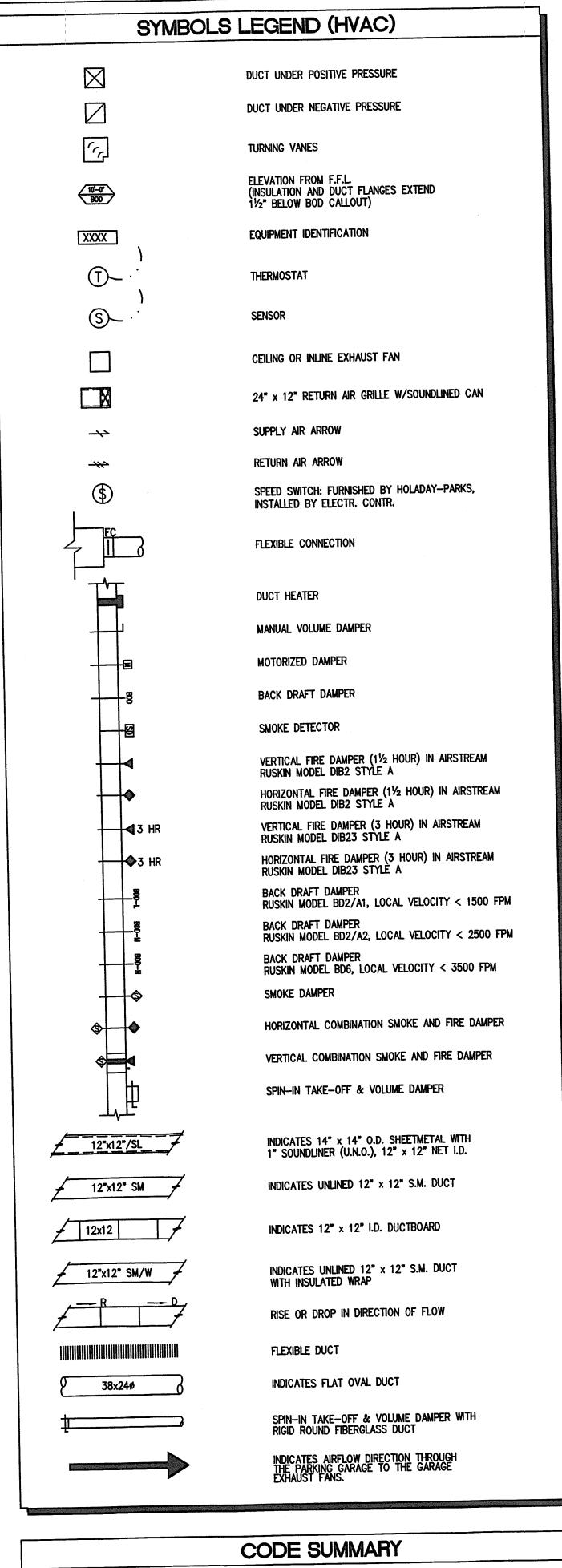
WHERE INDICATED ON EXHAUST FAN SCHEDULES, SOME FANS MAY BE FURNISHED WITH A SPEED CONTROL SWITCH AND/OR LINE VOLTAGE THERMOSTAT. ELECTRICAL CONTRACTOR SHALL ROUGH-IN FOR, AND INSTALL SPEED SWITCHES ON FAN HOUSINGS AND T-STATS ON WALL NEXT TO ROOM LIGHT SWITCH UNLESS NOTED OTHERWISE. E.C. SHALL PROVIDE SERVICE AND A DISCONNECT PER CODE, AND DO ALL POWER WIRING, INCLUDING CONNECTING TO EQUIPMENT.

. A FIRE AND/OR SMOKE DETECTION AND ALARM SYSTEM, AS MAY BE REQUIRED BY THE OWNER, ARCHITECT, OR CODE AUTHORITY, IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. ALL ASPECTS OF THIS SYSTEM HAVE BEEN EXCLUDED BY THE MECHANICAL CONTRACTOR, EXCEPT THAT THE M.C. IS PROVIDING THE STAIRWELL AND ELEVATOR SHAFT PRESSURIZATION FANS. IT IS THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO INTERLOCK THE ABOVE DEVICES WITH THE CENTRAL FIRE AND/OR SMOKE DETECTION AND ALARM SYSTEM.

6. (20) 120V CONTROL CIRCUITS ARE REQUIRED. E.C. SHALL PROVIDE SERVICE AND A DISCONNECT PER CODE, AND DO ALL POWER WIRING, INCLUDING CONNECTING TO CONTROLS CONTRACTOR PROVIDED TRANSFORMERS AND EQUIPMENT. LOCATIONS TO BE DETERMINED.

ABBREVIATIONS (MECHANICAL) HRWS HEAT RECOVERY WATER SUPPLY WITH WRAP (DUCT INSULATION) HEATING VENTILATION AIR CONDITIONING AUTOMATIC AIR VENT HOT WATER COIL ABOVE HOT WATER RETURN AIR CONDITIONER HOT WATER SUPPLY AIR COOLED CONDENSER HEAT EXCHANGER ACCESS DOOR INSIDE DIAMETER/DIMENSION ABOVE FINISHED FLOOR INVERT ELEVATION INSULATION KITCHEN EXHAUST ACCESS PANEL KITCHEN HOOD LEAVING AIR TEMPERATURE POUNDS BUILDING AUTOMATION SYSTEM LIQUID NITROGEN BACK DRAFT DAMPER LOW PRESSURE STEAM BELOW LEAVING WATER TEMPERATURE BUTTERFLY VALVE METER BRAKE HORSE POWER MECHANICAL CONTRACTOR BOTTOM OF DUCT MANUAL AIR VENT BOTTOM OF INSULATION MAXIMUM BOTTOM OF PIPE THOUSANDS BTU/HR BOTTOM OF STEEL MINIMUM CIRCUIT AMPACITY BOTTOM OF UNIT MOTORIZED DAMPER **BOOSTER PUMP** MECHANICAL EQUIPMENT ROO BRITISH THERMAL UNITS BRITISH THERMAL UNITS PER HOUR MPG MEDIUM PRESSURE GAS BALANCE VALVE, BALL VALVE MAKE UP AIR MUA CONTROLS CONTRACTOR MOTORIZED VALVE COMPRESSED AIR COUNTER BALANCED BACK DRAFT DAMPER NITROGEN COOLING COIL NORMALLY CLOSED CAPPED FOR FUTURE NOT IN CONTRACT CUBIC FEET PER MINUT CFM NORMALLY OPEN CHILLED WATER RETURN NITROUS OXIDE CHILLED WATER SUPPLY CHWS NOT TO SCALE OXYGEN CLEANOUT OUTSIDE AIR CARBON DIOXIDE OPPOSED BLADE DAMPER CONDENSATE OPEN CONDENSER WATER RETURN CONN OPEN CONDENSER WATER SUPPLY CIRCULATING PUMP OUTSIDE DIAMETER/DIMENSION CLEAN STEAM, CURRENT SWITCH COOLING TOWER PLUMBING CONTRACTO CONDENSING UNIT PUMPED CONDENSATE CHECK VALVE POLLUTION CONTROL UNIT CONDENSER WATER RETURN PROCESS COOLING WATER RETURN CONDENSER WATER SUPPLY PROCESS COOLING WATER SUPPLY DROP (DOWN IN ELEVATION) PROCESS HEATING WATER RETURN DRY BULB, DUCTBOARD PROCESS HEATING WATER SUPPLY DOUBLE BOOSTER PUMP PRESSURE INDICATOR DOUBLE CHECK VALVE ASSEMBLY POINT OF CONNECTION DUST COLLECTION DRYER EXHAUST PRESSURE REDUCING VALVE DEMOLITION PRESSURE SENSOR DUCT HEATER POUNDS PER SQUARE INCH DOWN (THROUGH FLOOR BELOW) PRESSURE TEMPERATURE TRAP (PETE'S PLUG) DIFFERENTIAL PRESSURE TRANSMITTER DPT RELIEF VENT DWG RISE (UP IN ELEVATION) DIRECT EXPANSION FAN COIL DXFC RETURN AIR RELIEF AIR ELECTRICAL CONTRACTOR RELIEF FAN REFRIGERANT LIQUID ENTERING AIR TEMPERATURE REVERSE OSMOSIS DEIONIZED WATER ELECTRIC CABINET HEATER REDUCED PRESSURE BACK FLOW ASSEMBLY REFRIGERANT SUCTION EFFICIENCY ROOF TOP UNIT ELEVATION ELEV ELEVATOR MACHINE ROOM SUPPLY AIR ELEVATOR PRESSURIZATION FAN STEAM CONDENSATE LOW PRESSURE EQZR EQUALIZING LINES STEAM CONDENSATE EXTERNAL STATIC PRESSURE ESP STEAM CONDENSATE ELECTRIC UNIT HEATER STEAM CONDENSATE PUMPED ENTERING WATER TEMPERATURE STEAM CONDENSATE VENT **EXHAUST** EXH SMOKE DAMPER, SMOKE DETECTOR EXHAUST PIPING EXHP SMOKE EXHAUST FAN FLEXIBLE CONNECTION, FLUID COOLER SUPPLY FAN FAN COIL UNIT SOUND LINING SHEETMETAL STATIC PRESSURE STAIR PRESSURIZATION FAN FINISHED FLOOR LEVEL STAINLESS STEEL FULL LOAD AMPS SOLVENT TRANSFER, SOUND TRAP FLOW METER **THERMOSTAT** FLAT ON BOTTOM TRANSFER AIR FUEL OIL RETURN TO BE DETERMINED FUEL OIL SUPPLY, FLAT ON SIDE TOILET EXHAUST FLAT ON TOP TEMPERATURE INDICATOR, TENANT IMPROVEMENT FIRE SMOKE DAMPER TOP OF DUCT TOP OF PIPE FLOAT VALVE TOP OF STEEL LOW PRESSURE GAS TOP OF UNIT GENERAL CONTRACTOR TEMPERATURE SENSOR GALLONS PER MINUTE TURNING VANES GAS REGULATOR VENT TYPICAL UP (THROUGH FLOOR ABOVE) HEATING COIL VARIABLE AIR VOLUME HYDRONIC HEAT PUMP VOLUME DAMPER HEAT PUMP, HORSE POWER VARIABLE FREQUENCY DRIVE HIGH PRESSURE GAS HIGH PRESSURE STEAM WATER FILTER HEAT PUMP WATER RETURN WATER FOR INJECTION HEAT PUMP WATER SUPPLY WATT METER HEAT RECOVERY COIL HEAT RECOVERY WATER RETURN





2012 SEATTLE BUILDING CODE **BUILDING CODE:** 2012 SEATTLE MECHANICAL CODE MECHANICAL CODE: 2012 SEATTLE ENERGY CODE

57144 SCOPE OF WORK

2012 SEATTLE MECHANICAL CODE

1. INSTALL ONE (1) SIDEWALL EXHAUST FAN.

VENTILATION CODE:

W1.01-57144 LEVEL 20 HVAC PLAN M2.20-57144 M7.01-57144 SCHEDULES SITE PLAN BLOSA CONTRACTOR STOCK GVEDBOD CVRFW VGDLIAGE (EXELLIST) OLIVE WAY LEGAL DESCRIPTION LOTS 5 AND 6 IN BLOCK 29 OF SECOND ADDITION TO THE CITY OF SEATTLE, AS LAID OFF BY THE HEIRS OF SARAH A. BELL, DECEASED, COMMONLY KNOWN AS THE HEIRS OF SARAH A. BELL'S SECOND ADDITION TO THE CITY OF SEATTLE, AS PER PLAT RECORDED IN VOLUME 1 OF PLATS, PAGE 121, RECORDS OF KING COUNTY; EXCEPT THAT PORTION THEREOF CONDEMNED FOR WIDENING EIGHTH IN KING COUNTY SUPERIOR COURT CAUSE NO. 44450, UNDER ORDINANCE NO. 10066 OF THE CITY OF SEATTLE, RECORDS OF KING COUNTY; AND EXCEPT THOSE PORTIONS OF THE NORTHEASTERLY 2 FEET OF LOTS 5 AND 6 CONVEYED TO THE CITY OF SEATTLE BY DEED RECORDED UNDER ECORDING NO. 8906060577 TOGETHER WITH AN AERIAL PORTION OF THE SOUTHWESTERLY HALF OF THE ALLEY ADJOINING LOTS 5 AND 6 IN BLOCK 29, SECOND ADDITION TO THE TOWN OF SEATTLE, AS LAID OFF BY THE HEIRS OF SARAH A. BELL (DECEASED) (COMMONLY KNOWN AS HEIRS OF SARAH A. BELL'S 2ND ADDITION TO THE CITY OF SEATTLE), AS PER PLAT RECORDED IN VOLUME 1 OF PLATS, PAGE 121, RECORDS OF KING COUNTY; LYING ABOVE AN INCLINE PLANE DRAWN A MINIMUM OF 16.5 FEET ABOVE THE SURFACE GRADE OF SAID ALLEY THE ELEVATION OF SAID ALLEY GRADE BEING APPROXIMATELY 131.3 FEET AT THE INTERSECTION OF THE CENTER LINE OF SAID ALLEY WITH THE SOUTHEASTERLY LINE OF LOT 5 PROJECTED NORTHEASTERLY AND ELEVATION OF SAID ALLEY GRADE BEING APPROXIMATELY 125.7 FEET AT THE INTERSECTION OF THE CENTER LINE OF SAID ALLEY WITH THE NORTHWESTERLY LINE OF LOT 6 PROJECTED NORTHEASTERLY: A BELOW GRADE PORTION OF THE SOUTHWESTERLY HALF OF THE ALLEY ADJOINING LOTS 5 AND 6 IN BLOCK 29, SECOND ADDITION TO THE TOWN OF SEATTLE, AS LAID OFF BY THE HEIRS OF SARAH A. BELL, (DECEASED) COMMONLY KNOWN AS THE HEIRS OF SARAH A. BELL'S SECOND ADDITION TO THE CITY OF SEATTLE), AS PER PLAT RECORDED IN VOLUME 1 OF PLATS, PAGE 121, RECORDS OF KING COUNTY; LYING BELOW AN INCLINE PLANE DRAWN A MINIMUM 2 FEET BELOW THE SURFACE GRADE OF SAID ALLEY, THE ELEVATION OF SAID ALLEY GRADE BEING APPROXIMATELY 131.2 FEET AT THE INTERSECTION OF THE CENTER LINE OF SAID ALLEY WITH THE SOUTHEASTERLY LINE OF LOT 5 PROJECTED NORTHEASTERLY AND THE ELEVATION OF SAID ALLEY GRADE BEING APPROXIMATELY 124.8 FEET AT THE INTERSECTION OF THE CENTER LINE OF SAID ALLEY WITH THE RECORDS OF KING COUNTY;

SHEET INDEX

40.01-57144

REV #

SHEET TITLE

PLOT PLAN

LEGENDS AND NOTES

NORTHWESTERLY LINE OF LOT 6 PROJECTED NORTHEASTERLY VACATED CITY OF SEATTLE ORDINANCE NO. 114579, RECORDED UNDER RECORDING NO. 8907170872, WHICH WOULD ATTACH BY OPERATION OF LAW; SITUATE IN THE CITY OF SEATTLE, COUNTY OF KING, STATE OF LOTS 7 AND 8 IN BLOCK 29, SECOND ADDITION TO THE CITY OF SEATTLE, AS LAID OFF BY THE HEIRS OF SARAH A. BELL, DECEASED, COMMONLY KNOWN AS THE HEIRS OF SARAH A. BELL'S SECOND ADDITION TO THE CITY OF SEATTLE, AS PER PLAT RECORDED IN VOLUME 1 OF PLATS, PAGE 121, AND EXCEPT THOSE PORTIONS OF THE SOUTHWESTERLY 2 FEET OF LOTS 7 AND 8 CONVEYED TO THE CITY OF SEATTLE BY DEED RECORDED UNDER RECORDING NO. 8906060577 ALSO EXCEPT THE SOUTHEASTERLY 1.00 FOOT OF THE NORTHEASTERLY TOGETHER WITH AN AERIAL PORTION OF THE ALLEY ADJOINING LOTS 7 AND 8 IN BLOCK 29, SECOND ADDITION TO THE TOWN OF SEATTLE, AS LAID OFF BY THE HEIRS OF SARAH A. BELL, (DECEASED) (COMMONLY KNOWN AS HEIRS OF SARAH A. BELL'S 2ND ADDITION TO THE CITY OF SEATTLE), AS PER PLAT RECORDED IN VOLUME 1 OF PLATS, PAGE 121, RECORDS OF KING COUNTY, LYING ABOVE AN INCLINE PLANE DRAWN A MINIMUM OF 16.5 FEET

ABOVE THE SURFACE GRADE OF SAID ALLEY, THE ELEVATION OF SAID ALLEY GRADE BEING APPROXIMATELY 131.3 FEET AT THE INTERSECTION OF THE CENTER LINE OF SAID ALLEY WITH THE SOUTHEASTERLY LINE OF LOT 8 PROJECTED SOUTHWESTERLY AND THE ELEVATION OF SAID ALLEY GRADE BEING APPROXIMATELY 125.7 FEET AT THE INTERSECTION OF THE CENTER LINE OF SAID ALLEY WITH SOUTHWESTERLY LINE OF LOT 7 PROJECTED SOUTHWESTERLY; A BELOW GRADE THE ALLEY ADJOINING LOTS 7 AND 8 IN BLOCK 29, SECOND ADDITION TO THE TOWN OF SEATTLE, AS LAID OFF BY THE HEIRS OF SARAH A. BELL (DECEASED) (COMMONLY KNOWN AS THE HEIRS OF SARAH A. BELL'S SECOND ADDITION TO THE CITY OF SEATTLE), AS PER PLAT RECORDED IN VOLUME 1 OF PLATS, PAGE 121, RECORDS OF KING COUNTY; LYING BELOW AN INCLINE PLANE DRAWN A MINIMUM OF 2 BELOW THE SURFACE GRADE OF SAID ALLEY, THE ELEVATION OF SAID ALLEY GRADE BEING APPROXIMATELY 131.2 FEET AT THE INTERSECTION OF THE CENTER LINE OF SAID ALLEY WITH THE SOUTHEASTERLY LINE OF LOT 8 PROJECTED SOUTHWESTERLY AND THE ELEVATION OF SAID ALLEY GRADE BEING APPROXIMATELY 124.8 FEET A THE INTERSECTION OF THE CENTER LINE OF SAID ALLEY WITH THE NORTHWESTERLY LINE OF LOT 7 PROJECTED SOUTHWESTERLY VACATED UNDER CITY OF SEATTLE ORDINANCE NO. 114579, RECORDED UNDER RECORDING NO. 8907170872, WHICH WOULD ATTACH BY (ALSO KNOWN AS PROPOSED PARCEL B OF CITY OF SEATTLE LOT BOUNDARY ADJUSTMENT NO. 9806987, RECORDED UNDER RECORDING NO. 9902019012);

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HOLADAY-PARKS, INC.

Mechanical Solutions . Energy Services

Building Controls • Service & Maintenance

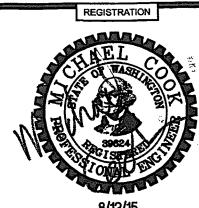
4600 S. 134TH PLACE

SEATTLE, WA 98168 • (206) 248-970•0

HOLADAYPARKS.com

WA LICENSE NUMBER: HOLADPI379 NO

Designed by: Drawn by: RDR, MLK lob Number: 57144 Filename: M001-57144.DWG REGISTRATION



**APPROVED** FOR CONSTRUCTION

ISSUE NAME/DATE PENDING CITY APPROVAL PERMIT ISSUE

Date By Description 8/12/15 RL 57144 PERMIT / CD

CITY OF SEATTLE DEPT. OF PLANNING AND

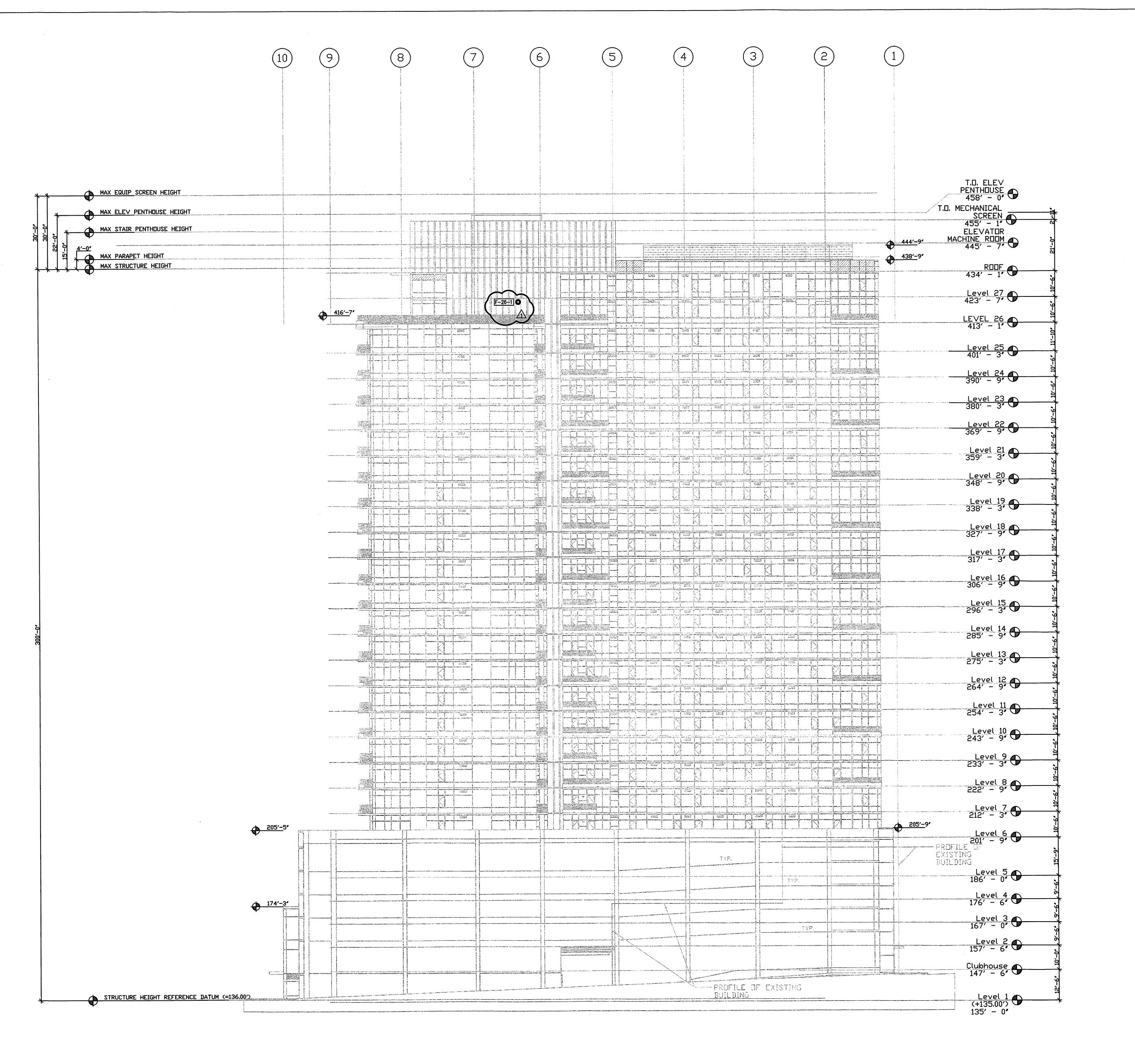
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**LEGENDS &** NOTES



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SMART Mechanical Solutions ®

Mechanical Solutions 

■ Energy Services

Building Controls 

■ Service & Maintenance 4600 S. 134TH PLACE SEATTLE, WA 98168 ◆ (206) 248-9700 HOLADAYPARKS.com WA LICENSE NUMBER: HOLADPI379N0

W W W

Job Number: 57144 Filename: M101-57144.DWG

Designed by: RL

Drawn by: RDR, MLK

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**BUILDING ELEVATION** 

M1.01-57144

BUILDING ELEVATION
SCALE 1/18" = 1-0"

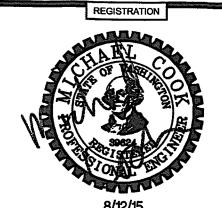
## HOLADAY-PARKS, INC. SMART Mechanical Solutions ®

Mechanical Solutions ● Energy Services
Building Controls ● Service & Maintenance

4600 S. 134TH PLACE
SEATTLE, WA 98168 ● (206) 248-9700
HOLADAYPARKS.com
WA LICENSE NUMBER: HOLADPI379N0

E OLIVIAN DOG WALK

Designed by: RL
Drawn by: RDR, MLK
Approved by:
Job Number: 57144
Filename: M102-57144.DWG



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PENDING CITY APPROVAL PERMIT ISSUE 08/12/2015

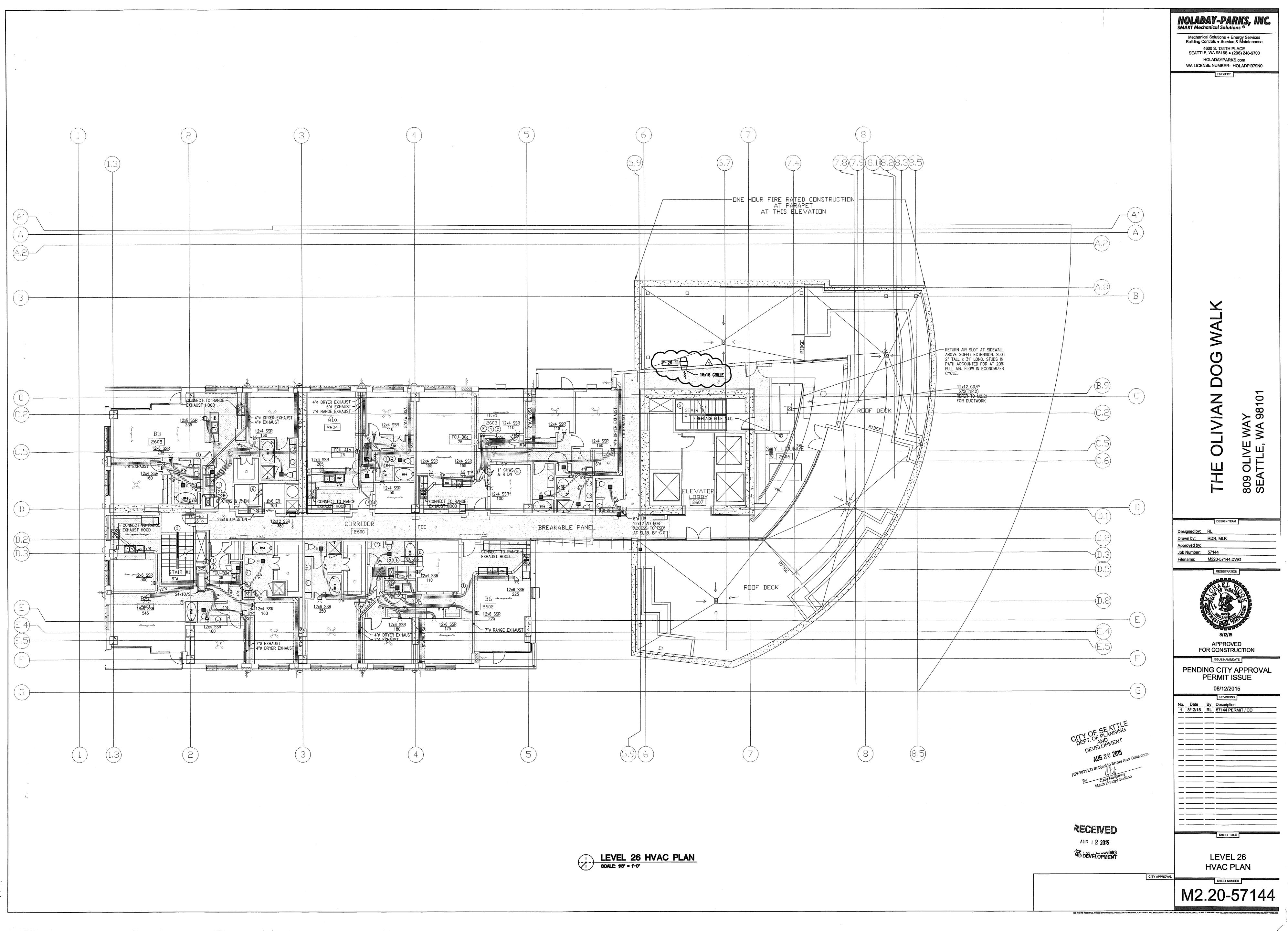
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12/15 RL 57144 PERMIT / CD

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PLOT PLAN

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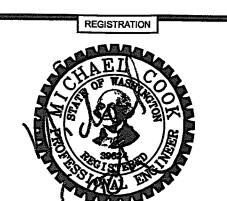
-B3-1 B3 -B3-2 B3 -B3-2 B3 -B2-1 B2 -B2-1 B2 -B2-2 B2 -B2-3 1 B2 -B1-1 B1 -B1-2 B1 -B1-2 B1 -B1-3 1 B11-1 L11-2 L11-3 L11-4 L11-4 L11-4 L11-5 L22-1 L22-3 L22-3 L22-5 L22-6 L22-5 L22-6 L23-1 L43-2 L33-3 L33-4 L33-5 L44-2 L44-2 L44-2 L44-3 L44-4 L44-5 L44-5 L44-5 L44-5 L44-5 L44-5 L44-5 L55-1 L55-2 L55-3 L55-4 L55-5 L45-5 L45-5 L45-5 L45-5 L47-6-1 R000	1 1				1	1	PERFORM	MANCE	DATA		]	VFD	MIK	OUTLET	ROTATION	MOTOR	VOLTS/	WGT.	1
B3-2 B2-1 B2 B2-2 B2 B2-3 1 B2 B1-1 B1 B1-2 B1 B1-2 B1 B1-3 1 B1 C-1-1 L1 C-1-2 L1 C-1-3 L1 C-1-4 L1 C-M-1 MEZ C-M-3 MEZ C-M-3 MEZ C-2-1 L2 C-2-3 L2 C-2-3 L2 C-2-4 L2 C-2-5 L2 C-2-6 L2 C-3-1 L4 C-3-2 L3 C-3-1 L4 C-3-2 L3 C-3-1 L4 C-4-2 L4 C-4-3 L4 C-4-1 L4 C-4-2 L4 C-4-3 L4 C-4-4 L4 C-4-5 L4 C-5-1 L5 C-5-1 L5 C-5-2 L5 C-5-3 L5 C-5-4 L5 C-5-5 L4 C-6-1 R00 C-R-1 R00 C-R-2 R00 C-R-3 R00 C-R-4 R00 C-R-5 R00 C-R-5 R00 C-R-5 R00 C-R-5 R00 C-R-6 R00 C-R-7 R00	QTY	LOCATION	AREA SERVED	MAKE	TYPE	MODEL	CFM	S.P.	RPM	BHP	HP	TAG	EFF	ORIENT.	CW/CCW (29)	ACCESS	PHASE	LBS.	REM
-B2-1 B2 -B2-2 B2 -B2-3 1 B2 -B1-1 B1 -B1-2 B1 -B1-3 1 B1 -B1-3 1 B1 -B1-3 1 B1 -B1-4 L1 -B1-2 L1 -B1-3 L1 -B1-		В3	PARKING EXHAUST	GREENHECK	PROP	SBE-3L48	29,000	0.5	1725	6.09	7.5	VFD-B3-1	87.5	-	_		460/3	420	1,4,5
B2-2 B2-3 1 B2 B1-1 B1 B1-2 B1 B1-2 B1 B1-3 1 B1 C-1-1 L1 C-1-2 L1 C-1-3 L1 C-1-4 L1 C-M-1 MEZ C-M-2 MEZ C-M-3 MEZ C-2-1 L2 C-2-2 L2 C-2-3 L2 C-2-3 L2 C-2-4 L2 C-2-5 L2 C-2-6 L2 C-3-1 L4 C-3-1 L4 C-3-2 L3 C-3-1 L4 C-4-2 L4 C-4-3 L4 C-4-2 L4 C-4-3 L4 C-4-4 L4 C-4-5 L4 C-4-5 L4 C-5-1 L5 C-5-3 L5 C-5-4 L5 C-5-5 L4 C-7-6 R00 C-R-2 R00 C-R-3 R00 C-R-4 R00 C-R-5 R00 C-R		B3	PARKING EXHAUST	GREENHECK	PROP	SBE-3L48	29,000	0.5	1725	6.09	7.5	VFD-B3-1	87.5	-	_	-	460/3	420	1,4,5
B2-3		B2	PARKING EXHAUST	GREENHECK	PROP	SBE-2H30	8,000	0.35	<del></del>	<del> </del>	2.0	VFD-B2-1	84.0		_		460/3	100	1,4,5
B2-3		B2	PARKING TRANSFER	GREENHECK	PROP	SBE-2H30	8,000	0.35	<del> </del>	0.95		VFD-B2-2			_	<del>-</del>	460/3	100	1,4,5
FB1-1	1 1		B2 BLDG MAINT OFFICE	GREENHECK	CABINET	CSP-A250	150		1000	ļ	83W	VI 0 02 2	04.0				115/1		1,7,0
-B1-2	+		PARKING TRANSFER	GREENHECK	PROP	SBE-2L30	10,000	0.35	4		2.0	VFD-B1-1	84.0		_	<u>-</u> -	<del> </del>	25	
B1-3			PARKING TRANSFER	GREENHECK	PROP	SBE-2L42	18,000	0.35		-		VFD-B1-1			_		460/3	100 160	1,4,
E-1-1 L1 E-1-2 L1 E-1-3 L1 E-1-4 L1 E-M-1 MEZ E-M-2 MEZ E-M-3 MEZ E-M-3 MEZ E-2-1 L2 E-2-2 L2 E-2-3 L2 E-2-4 L2 E-2-5 L2 E-2-6 L2 E-3-1 L4 E-3-2 L3 E-3-1 L4 E-3-2 L3 E-3-3 L3 E-3-4 L3 E-4-1 L4 E-4-2 L4 E-4-3 L4 E-4-5 L4 E-5-1 L5 E-5-1 L5 E-5-2 L5 E-5-3 L5 E-5-4 L5 E-5-5 L4 E-8-1 R00 E-R-2 R00 E-R-3 R00 E-R-4 R00 E-R-5 R00 E-R-5 R00 E-R-5 R00 E-R-5 SEE PL	1		RECYCLING ROOM	GREENHECK	CABINET	BCF-106-5	400	1.2	+		1/2	VI D-B1-2	04.0				115/1	120	1,4,
F-1-2 L1 F-1-3 L1 F-1-4 L1 F-M-1 MEZ F-M-2 MEZ F-M-3 MEZ F-2-1 L2 F-2-2 L2 F-2-3 L2 F-2-4 L2 F-2-5 L2 F-2-6 L2 F-3-1 L4 F-3-2 L3 F-3-1 L4 F-3-2 L3 F-3-4 L3 F-3-5 L4 F-4-1 L4 F-4-2 L4 F-4-3 L4 F-4-5 L4 F-5-1 L5 F-5-1 L5 F-5-2 L5 F-5-3 L5 F-5-4 L5 F-5-5 L4 F-5-5 L4 F-5-6 R00 F-R-1 R00 F-R-2 R00 F-R-3 R00 F-R-4 R00 F-R-5 R00 F-R-5 SEE PL	<del>                                     </del>		COMPACTOR ROOM	GREENHECK	CABINET	CSP-A700	500	0.5	<del> </del>		1/2		_				115/1	34	1,
F-1-3 L1 F-1-4 L1 F-M-1 MEZ F-M-2 MEZ F-M-3 MEZ F-2-1 L2 F-2-2 L2 F-2-3 L2 F-2-5 L2 F-2-6 L2 F-3-1 L4 F-3-2 L3 F-3-1 L4 F-4-1 L4 F-4-2 L4 F-4-3 L4 F-4-3 L4 F-4-5 L4 F-5-1 L5 F-5-1 L5 F-5-2 L5 F-5-3 L5 F-5-4 L5 F-5-5 L4 F-8-1 R00 F-8-2 R00 F-8-3 R00 F-8-4 R00 F-8-5 R00	1	L1	ELEC RM	GREENHECK	PROP	SBE-1H20	1,500	0.5			0.75	<u> </u>	_	_			115/1	60	1
-1-4         L1           -M-1         MEZ           -M-2         MEZ           -M-3         MEZ           -2-1         L2           -2-2         L2           -2-3         L2           -2-4         L2           -2-5         L2           -3-1         L4           -3-2         L3           -3-3         L3           -3-3         L3           -3-4         L3           -3-5         L4           -4-1         L4           -4-2         L4           -4-3         L4           -4-4         L4           -4-5         L5           -5-1         L5           -5-2         L5           -5-3         L5           -5-4         L5           -5-5         L4           -8-2         R00           -8-3         R00           -8-4         R00           -8-5         R00           EF-B         BY E.C.           SEE PL	1 1	L1	ATS RM	GREENHECK	PROP	SBE-1H20	500	0.45			1/2	_	_				115/1	60	1,
-M-2         MEZ           -M-3         MEZ           -M-3         MEZ           -L2-1         L2           -2-2         L2           -2-3         L2           -2-4         L2           -2-5         L2           -2-6         L2           -3-1         L4           -3-2         L3           -3-3         L3           -3-3         L4           -4-1         L4           -4-2         L4           -4-3         L4           -4-4         L4           -4-4         L4           -5-1         L5           -5-2         L5           -5-3         L5           -5-4         L5           -5-5         L4           -8-5         R00           -8-2         R00           -8-3         R00           -8-4         R00           -8-5         R00           -8-6         R00           -8-7         R00           -8-8         R00           -8-7         R00           -8-8         R00		L1	STAIRWELL PRESSURIZATION	GREENHECK	IN-LINE	TBI-CA-3H18	4,000	0.5			2.0	<u> </u>	84.0	_		<del>-</del>	460/3	110	1,2,1
F-M-3		MEZZ	LOADING DOCK EXHAUST		MIXED FLOW		4,000	0.8	1725	<del> </del>	1.0		-		_	<del>-</del>	460/3	310	1,2,1
F-2-1 L2 F-2-2 L2 F-2-3 L2 F-2-4 L2 F-2-6 L2 F-3-1 L4 F-3-1 L3 F-3-3 L3 F-3-4 L3 F-4-1 L4 F-4-2 L4 F-4-3 L4 F-4-4 L4 F-5-1 L5 F-5-1 L5 F-5-3 L5 F-5-4 L5 F-5-5 L4 F-8-1 R00 F-8-2 R00 F-8-1 R00 F-8-5 R00 F-8-5 R00 F-8-5 R00 F-8-5 R00 F-8-6 R00 F-8-6 R00 F-8-6 R00 F-8-7 R00 F-8-7 R00 F-8-8 R00 F-8-		MEZZ	AMENITY RESTRM & JANITOR EXH	GREENHECK	CABINET	CSP-A710	450	0.45	<del></del>		325W	_		_	_	-	115/1	45	1,,
-2-2       L2         -2-3       L2         -2-4       L2         -2-5       L2         -2-6       L2         -3-1       L4         -3-2       L3         -3-3       L3         -3-5       L4         -4-1       L4         -4-2       L4         -4-3       L4         -5-1       L5         -5-2       L5         -5-3       L5         -5-4       L5         -5-5       L4         -8-5       R00         -R-1       R00         -R-2       R00         -R-3       R00         -R-5       R00         EF-B       BY E.C.		MEZZ	FCU-M-1 AND FCU-M2 O.A.	GREENHECK	CABINET	CSP-A1410	1,525	0.45	<del></del>	+	822W	_	_	_			115/1	60	
-2-3		L2	PARKING EXHAUST	GREENHECK	PROP	SBE-3L24	6,500	0.35	1725		1.5	VFD-2-1	_	_	_	<del>-</del>	460/3	90	1,4,
-2-4		L2	PARKING EXHAUST	GREENHECK	PROP	SBE-2H40	8,200	0.35	1725	0.98	1.5	VFD-2-2	82.5	_	_	_	460/3	100	1,4,
-2-5		L2	PARKING EXHAUST	GREENHECK	PR0P	SBE-2H30	8,200	0.35	1725	0.98	1.5	VFD-2-3	82.5	_	<u> </u>	_	460/3	100	1,4,
-2-6 L2 -3-1 L4 -3-2 L3 -3-3 L3 -3-4 L3 -3-5 L4 -4-1 L4 -4-2 L4 -4-3 L4 -4-5 L4 -4-5 L5 -5-1 L5 -5-2 L5 -5-4 L5 -5-5 L4 -R-1 R00 -R-2 R00 -R-2 R00 -R-4 R00 -R-5 R00 -R-5 R00 -R-5 R00 -R-5 SEE PL		L2	TRANSFORMER ROOM EXHAUST	GREENHECK	MIXED FLOW	QEI-24-II	9,600	1.0	1725	2.82	3.0		84.0	_	_		460/3	550	1
-3-1 L4 -3-2 L3 -3-3 L3 -3-4 L3 -3-5 L4 -4-1 L4 -4-2 L4 -4-3 L4 -4-5 L4 -4-5 L5 -5-1 L5 -5-3 L5 -5-4 L5 -5-5 L4 -R-1 R00 -R-2 R00 -R-3 R00 -R-4 R00 -R-5 R00 -R-5 R00 -R-5 R00		L2	WORK LOFT VENT	GREENHECK	CABINET	CSP-A190	150	0.35	1400	_	100W	_	-		-	-	115/1	25	
-3-2 L3 -3-3 L3 -3-4 L3 -3-5 L4 -4-1 L4 -4-2 L4 -4-3 L4 -4-5 L4 -4-5 L5 -5-1 L5 -5-2 L5 -5-4 L5 -5-5 L4 -R-1 R00 -R-2 R00 -R-3 R00 -R-4 R00 -R-5 R00 -R-5 R00 -R-5 R00 -R-5 R00 -R-5 SEE PL		L2	FCU-2-1 0.A.	GREENHECK	CABINET	CSP-A700	660	0.45	1100	-	350W	_	_	_	_	_	115/1	45	
-3-3 L3 -3-4 L3 -3-5 L4 -4-1 L4 -4-2 L4 -4-3 L4 -4-4 L4 -4-5 L4 -5-1 L5 -5-2 L5 -5-3 L5 -5-4 L5 -5-5 L4 -R-1 R00 -R-2 R00 -R-3 R00 -R-4 R00 -R-5 R00 -R-5 R00		L4	PARKING EXHAUST	GREENHECK	PROP	SBE-3L24	6,500	0.35	<del></del>	1.09	1.5	VFD-3-1	82.5	_	_		460/3	90	1,4,
-3-4 L3 -3-5 L4 -4-1 L4 -4-2 L4 -4-3 L4 -4-4 L4 -4-5 L4 -4-5 L5 -5-1 L5 -5-2 L5 -5-3 L5 -5-4 L5 -5-5 L4 -R-1 R00 -R-2 R00 -R-2 R00 -R-3 R00 -R-4 R00 -R-5 R00			PARKING TRANSFER	GREENHECK	PROP	SBE-1H30	7,600	0.35	<del> </del>	0.88		VFD-3-2			_	-	460/3	95	1,4,
-3-5			PARKING EXHAUST	GREENHECK	PROP	SBE-2H30	8,200	0.35		0.98		VFD-3-3		_		-	460/3	100	1,4,
-4-1	1 +		PARKING EXHAUST	GREENHECK	PROP	SBE-2H30	8,200		1725			VFD-3-4	82.5		-		460/3		1,4,
-4-2			WORK LOFT VENT	GREENHECK	CABINET	CSP-A190	150	0.35			100W	-				_	115/1	25	
-4-3 L4 -4-4 L4 -4-5 L4 -5-1 L5 -5-2 L5 -5-3 L5 -5-4 L5 -5-5 L4 -R-1 R00 -R-2 R00 -R-3 R00 -R-4 R00 -R-5 R00 -R-5 R00	+		PARKING EXHAUST	GREENHECK	PROP	SBE-3L24	6,500	-	1725			VFD-4-1			_	<del>-</del>	460/3	90	1,4,
-4-4 L4 -4-5 L4 -5-1 L5 -5-2 L5 -5-3 L5 -5-4 L5 -5-5 L4 -R-1 R00 -R-2 R00 -R-3 R00 -R-4 R00 -R-5 R00 -R-5 R00 -R-5 R00			PARKING TRANSFER	GREENHECK	PROP	SBE-1H30	7,600		1725			VFD-4-2		_		-	460/3	95	1,4,
-4-5	+		PARKING EXHAUST PARKING EXHAUST	GREENHECK	PROP	SBE-2H30	8,200	<del></del>	1725			VFD-4-3			-	-	460/3	100	1,4,
-5-1 L5 -5-2 L5 -5-3 L5 -5-4 L5 -5-5 L4 -5-5 L4 -R-1 R00 -R-2 R00 -R-3 R00 -R-4 R00 -R-5 R00 -R-5 R00			WORK LOFT VENT	GREENHECK	PROP	SBE-2H30	8,200		1725			VFD-4-4			_		460/3	100	1,4,
-5-2 L5 -5-3 L5 -5-4 L5 -5-5 L4 -26-1 L26 -R-1 R00 -R-2 R00 -R-3 R00 -R-4 R00 -R-5 R00 -R-5 R00 -R-5 R00	+-+		PARKING EXHAUST	GREENHECK GREENHECK	CABINET PROP	CSP-A190 SBE-3L24	150 6,500		1400		100W		-		-		115/1	25	
-5-3 L5 -5-4 L5 -5-5 L4 -26-1 L26 -R-1 R00 -R-2 R00 -R-3 R00 -R-4 R00 -R-5 R00 F-B BY E.C. SEE PL	++		PARKING TRANSFER	GREENHECK	PROP	SBE-1H30	7,600	+	1725 1725			VFD-5-1 VFD-5-2				_	460/3	90	1,4,
-5-4 L5 -5-5 L4 -26-1 L26 -R-1 R00 -R-2 R00 -R-3 R00 -R-4 R00 -R-5 R00 -R-5 R00	+		PARKING EXHAUST	GREENHECK	PROP	SBE-2H30	8,200		1725			VFD-5-3				_	460/3	95	1,4,
-5-5 L4 -26-1 L26 -R-1 R00 -R-2 R00 -R-3 R00 -R-4 R00 -R-5 R00 -R-5 R00	1 1		PARKING EXHAUST	GREENHECK	PROP	SBE-2H30	8,200		1725			VFD-5-3					460/3 460/3	100 100	1,4, 1,4,
-26-1         L26           -R-1         R00           -R-2         R00           -R-3         R00           -R-4         R00           -R-5         R00           F-B         BY E.C.         SEE PL	<del> </del> -		WORK LOFT VENT	GREENHECK	CABINET	CSP-A190	150		1400		100W	- VID-3-4	02.5		_		115/1	25	1,4,
-R-1 R00 -R-2 R00 -R-3 R00 -R-4 R00 -R-5 R00 F-B BY E.C. SEE PL	1 1	L26	HALLWAY	GREENHECK		CW-101-VG	680		<del></del>	<del></del>	0.25		_				115/1	52	1
-R-2 R00 -R-3 R00 -R-4 R00 -R-5 R00 F-B BY E.C. SEE PL	1 1	ROOF	STAIRWELL PRESSURIZATION	GREENHECK		TBI-CA-4H42	23,000		1725			_				<del>-</del>	460/3	640	1,2,
-R-4 R00 -R-5 R00 F-B BY E.C. SEE PL	1 1	ROOF	TRASH ROOM EXHAUST	GREENHECK	UTILITY	SFB-10	2,200	+	1725			_	82.5	_	_		460/3	150	1,2,
-R-5 R00 F-B BY E.C. SEE PL	1 1	R00F	STAIRWELL PRESSURIZATION	GREENHECK		TBI-CA-4H42	23,000	-	1725			_	89.5			<del>-</del>	460/3	640	1,2,1
F-B BY E.C. SEE PL		R00F	ELEV HOISTWAY PRESSUR	GREENHECK			40,000		1725			_	91.0	_	_	<del>-</del>	460/3	1190	1,2,1
		ROOF	ELEV HOISTWAY PRESSUR	GREENHECK			65,000		1725			_	91.7	-	-	<del>-</del>	460/3	2160	1,2,1
ב ה   כרד מ	BY E.C.	SEE PLANS	RESIDENTIAL BATHROOM	NUTONE	CABINET	769RL			_	_	_	_	_		-	<del></del>		-	1
		SEE PLANS	DRYER EXHAUST BOOSTER	FAN TECH	IN-LINE	DBF4XL	130	0.25			_					<del>-</del>	_		
		SEE PLANS	UTILITY HOUSE	PANASONIC	CABINET	FV-08VQ	57	0.25	716	22.8	_	_		_	-	_	_		1
EF-U 1 B2	1 1	B2	B2 BLDG MAINT OFFICE	PANASONIC	CABINET	FV-08VQ	57	0.25	716	22.8	_	_	_	_	_	-	-	_	1
<u>-                                     </u>			_	_	-	_		_	_	_	_			_		_	_	_	

- 4: VARIABLE FREQUENCY DRIVE WITH LONWORKS COMMUNICATION CHIP SHALL BE PROVIDED BY M.C. AND INSTALLED BY E.C. 5: CO DETECTOR AND 24 V CONTROL WIRING FROM CO DETECTOR TO VFD BY C.C. (POWER TO CO DETECTOR FROM VFD).
- 6: LINE VOLTAGE (120V) T-STAT SHALL BE PROVIDED BY M.C. AND INSTALLED BY E.C.
- 7: CONTINUOUS OPERATION 8: CONTROLLED BY DIFFERENTIAL PRESSURE SENSOR
- 9: FAN SPEED CONTROL PROVIDED BY M.C., INSTALLED BY E.C. ON FAN HOUSING
- 10: TRANSFORMER VAULT EXHAUST FAN: LINE VOLTAGE T-STAT WITH REMOTE BULB SHALL BE PROVIDED BY C.C. AND INSTALLED BY E.C. ALARM INDICATOR PER SEATTLE CITY LIGHT SHALL BE PROVIDED AND INSTALLED BY E.C. DIFFERENTIAL PRESSURE SWITCH AND ALL RELAYS PROVIDED BY C.C. AND INSTALLED AND WIRED BY E.C.
- 11: E.C. SHALL PROVIDE AND INSTALL PRIMARY AND SECONDARY POWER. 12: FAN SHALL BE CONTROLLED BY THE FIRE ALARM PANEL ONLY. CONTROL WIRING SHALL BE PROVIDED AND INSTALLED BY E.C. AUTOMATIC STARTER SHALL NOT HAVE HOA SWITCH.
- 13: FIRE LIFE SAFETY CONTRACTOR TO DETERMINE WHETHER SMOKE DETECTOR IS REQUIRED WITH SEATTLE FIRE DEPARTMENT.
- 14: ALL SMOKE DETECTORS PROVIDED BY E.C. INSTALLATION OF DUCT DETECTORS IS BY M.C. ALL WIRING AND FIRE LIFE SAFETY INTERLOCKS ARE BY E.C. SMOKE DETECTORS SHALL BE INSTALLED
- PER ALL APPLICABLE CODE REQUIREMENTS INCLUDING BUT NOT LIMITED TO THE REQUIREMENTS OF THE INTERNATIONAL CODES. 15: UNIT IS PROVIDED WITH TWO POWER CONNECTIONS. E.C. SHALL PROVIDE DISCONNECT AND STARTER TO EACH CONNECTION. SEE EQUIPMENT LIST FOR STARTER REQUIREMENTS.
- 16: CONTROL WIRING BETWEEN INDOOR AND OUTDOOR UNIT BY CONTROLS CONTRACTOR.
- 17: FSD'S ARE NOT RECOMMANDABLE. ALL ASSOCIATED CONTROL, SMOKE DETECTION DEVICES, WIRING, AND LIFE SAFETY INTERLOCKS ARE BY E.C.

  18: FAN SHALL MEET ALL REQUIREMENTS LISTED IN SEATTLE'S DIRECTORS RULE 9-2001. THIS INCLUDES DUAL BELTS, 1.15 MOTOR SERVICE FACTOR, HIGH TEMPERATURE (MINIMUM 180 DEG F).
- 19: FAN SHALL BE CONTROLLED BY THE FIRE ALARM PANEL DURING ALARM MODE, AND BY VFD PRESSURE CONTROL OR CO DETECTION DURING NORMAL MODE. EMERGENCY OPERATION CONTROL WIRING SHALL BE PROVIDED AND INSTALLED BY E.C.
- 20: END SWITCHES TO BE FACTORY PROVIDED AND INSTALLED TO INDICATE BOTH FULLY OPEN AND FULLY CLOSED POSITION 21: POWER CLOSE, SPRING OPEN MOTORIZED DAMPER FOR PRESSURIZATION SYSTEM. POWER AND CONTROL BY F-L-S CONTRACTOR / E.C.
- 22: BOILER REQUIRES DEDICATED 120V/1PH, 20 AMP CIRCUIT TO POWER PUMP MOTOR AND FAN MOTOR. SINGLE POINT POWER CONNECTION. WIRING AND DISCONNECT PROVIDED AND INSTALLED BY E.C. FIELD WIRING IS REQUIRED BETWEEN THE BOILER, BOILER CONTROLLER, PUMPS AND SENSORS. ALL FIELD WIRING BY E.C.
- EACH BOILER IS PROVIDED WITH BOILER CONTROLLER. E.C. SHALL PROVIDE 120V/1, 20 AMP CIRCUIT WITH DISCONNECT FOR EACH BOILER CONTROLLER. 23: E.C. SHALL PROVIDE A MANUALLY OPERATED REMOTE SHUTDOWN SWITCH AT EACH DOOR TO BOILER ROOM. REFER TO CSD-1 PART CE FOR COMPLETE ELECTRICAL REQUIREMENTS AT BOILER.
- 24: UTILITY HOUSE FAN IS NOT USED AS WHOLE HOUSE FAN. FAN COIL UNIT FAN IS TO BE USED AS WHOLE HOUSE FAN AND PROVIDED WITH TIMER INTEGRAL TO THERMOSTAT. 25: BATHROOM EXHAUST FAN/LIGHT COMBO PROVIDED BY E.C. UNIT SHALL BE CONTROLLED BY WALL SWITCH FURNISHED AND INSTALLED BY E.C.
- 26: SEPARATE 120V/1PH CIRCUIT FOR CONTROL POWER TO OPERATE 24V MOTORIZED DAMPERS.
- 27: PRESSURE SENSOR SWITCH FURNISHED WITH FAN, FACTORY WIRED TO BOOSTER FAN. SINGLE POINT POWER CONNECTION BY E.C. LINT TRAP FURNISHED WITH FAN, INSTALLED BY M.C. 28: DRYER BOOSTER FANS AT INDIVIDUAL CONDO DRYERS MAY BE ELIMINATED IF INSTALLATION IS WITHIN MANUFACTURER'S CRITERIA (INSTALLATION DOES NOT EXCEED NUMBER OF ELBOWS AND LENGTH AS SPECIFIED BY THE MANUFACTURER).
- 29: LINE VOLTAGE (120V) TIME CLOCK SHALL BE PROVIDED BY M.C. AND INSTALLED BY E.C. 30: FAN SHALL BE INTERLOCKED WITH THE RECIRCULATION STYLE KITCHEN HOOD (PROVIDED AND INSTALLED BY OTHERS), INTERLOCK WIRING PROVIDED AND INSTALLED BY E.C.
- 31: EC SHALL INTERLOCK MOTORIZED DAMPER END SWITCH TO FAN STARTER CONTROL. FAN SHALL NOT START UNTIL MOTORIZED DAMPER IS MINIMUM 25% OPEN. 32: FAN RUNS 24/7.

Mechanical Solutions • Energy Services Building Controls • Service & Maintenance 4600 S. 134TH PLACE SEATTLE, WA 98168 • (206) 248-9700 HOLADAYPARKS.com WA LICENSE NUMBER: HOLADPI379N0

Designed by: RL Drawn by: RDR, MLK Approved by: Job Number: 57144 Filename: M701-57144.DWG



APPROVED FOR CONSTRUCTION

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08/12/2015

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**HVAC SCHEDULES**