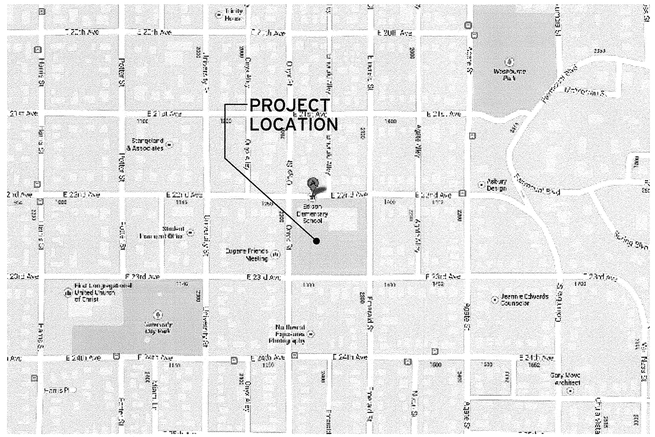
EDISON ELEMENTARY SCHOOL OFFICE RELOCATION

1328 East 22nd Avenue, Eugene, OR 97403

CIP #420.170.003



A G1.0 VICINITY MAP

NO SCALE

NORTH

DESIGN TEAM

OWNER:
EUGENE SCHOOL DISTRICT 4J
FACILITIES MANAGEMENT
715 WEST FOURTH AVENUE
EUGENE, OR 97402-5024
541-790-7417
CONTACT: LARRY MASSEY
EMAIL: MASSEY_L@4J.LANE.EDU

ARCHITECT:
ROBERTSON|SHERWOOD|ARCHITECTS pc
132 E. BROADWAY, SUITE 540
EUGENE, OR 97401
541-342-8077
CONTACT: RANDY NISHIMURA, AIA
EMAIL: RNISHIMURA@ROBERTSONSHERWOOD.COM

STRUCTURAL ENGINEER:
METZLER ENGINEERING GROUP
210 EAST 11TH AVENUE
EUGENE, OR 97401
541-344-2040
CONTACT: SCOTT METZLER
EMAIL: METZENG@QWESTOFFICE.NET

MECHANICAL ENGINEER:
PAE CONSULTING ENGINEERS
1158 HIGH STREET
EUGENE, OR 97401
503-502-7068
CONTACT: JACK YOUSEY
EMAIL: JACK.YOUSEY@PAE-ENGINEERS.COM

ELECTRICAL ENGINEER:
PARADIGM ENGINEERING
85193 APPLETREE DRIVE
EUGENE, OR 97405
541-285-1680
CONTACT: JIM KRUMSICK
EMAIL: JKRUMSICK@OUTLOOK.COM

DESCRIPTION OF WORK

RENOVATION OF 1,765 SQUARE FEET OF EXISTING SCHOOL TO RELOCATE SCHOOL OFFICE, CONFERENCE ROOM, AND NURSE'S OFFICE. WORK INCLUDES CASEWORK, INTERIOR FINISHES, STRUCTURAL WALLS, ELECTRICAL FIXTURES, MECHANICAL SYSTEMS, AND PLUMBING FIXTURES.

SHEET INDEX

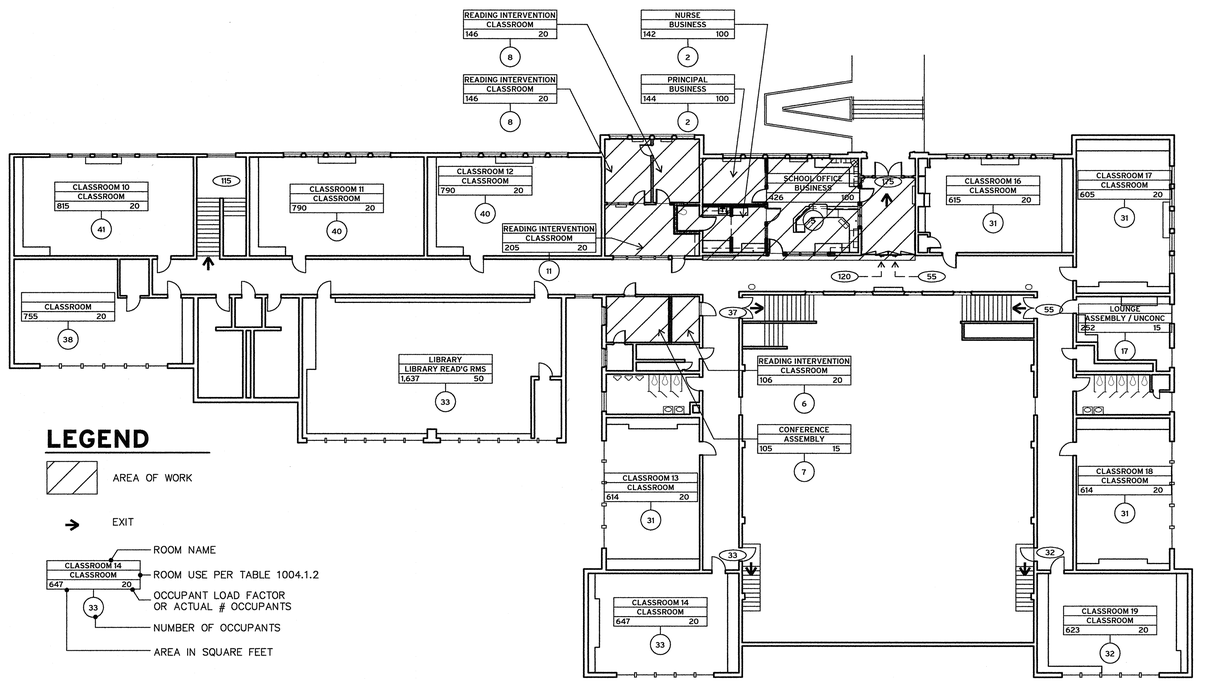
CODE ANALYSIS

LOCATION:	1328 EAST 22ND AVENUE, EUGENE, OR
ASSESSOR'S MAP:	MAP 18030513, TAX LOT 08300
PROJECT DESCRIPTION:	CONVERSION OF EXISTING CLASSROOM TO SCHOOL OFFICE
PROJECT AREA:	1,765 SF (AREA OF INTERIOR RENOVATION)
ZONE:	PL - PUBLIC LAND
OCCUPANCY TYPE:	E (NO CHANGE)
CONSTRUCTION TYPE:	V-B, SPRINKLERED
ALLOWABLE AREA:	45,125 SF (26,480 SF ACTUAL)
ALLOWABLE HEIGHT:	60 FT (45 FT ACTUAL)
ALLOWABLE STORIES:	2 STORIES (2 ACTUAL)

THE PROPOSED ALTERATIONS WILL NOT AFFECT ANY STRUCTURAL ELEMENTS BY INCREASING GRAVITY LOADS.

REMOVAL OF BARRIERS TO ACCESSIBILITY ALONG THE PATH OF TRAVEL TO THE ALTERED AREA INCLUDE PROVISION OF A ONE NEW FULLY ACCESSIBLE TOILET ROOM, AND NEW DOORS AND DOOR HARDWARE CONFORMING TO THE REQUIREMENTS OF ANSI 117.1-2003 EDITION. THE SCHOOL OTHERWISE ALREADY PROVIDES AN ACCESSIBLE PATH OF TRAVEL TO THE ALTERED AREA.

THE PROPOSED ALTERATION REMOVES ONE NON-CODE COMPLIANT TOILET FACILITY WHILE INTRODUCING ONE NEW FULLY-ACCESSIBLE TOILET ROOM.



LEGEND

AREA OF WORK

EXIT

CLASSROOM 14 CLASSROOM 647 20 33

- ROOM NAME
- ROOM USE PER TABLE 1004.1.2
- OCCUPANT LOAD FACTOR OR ACTUAL # OCCUPANTS
- NUMBER OF OCCUPANTS
- AREA IN SQUARE FEET

B G1.0 EXITING PLAN

1/16"= 1'-0"

NORTH

ABBREVIATIONS

B.O.	BOTTOM OF
CL	CENTER LINE
CONC	CONCRETE
DF	DRINKING FOUNTAIN
(E)	EXISTING
ELEC	ELECTRICAL
EQ	EQUAL
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
F.O.	FACE OF
GB	GRAB BAR
MAX	MAXIMUM
MECH	MECHANICAL
MIN	MINIMUM
(N)	NEW
OC	ON CENTER
REQ'D	REQUIRED
SIM	SIMILAR
TO	TOP OF
TYP	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTE
VCT	VINYL COMPOSITE TILE
VP	VENEER PLASTER
W/	WITH

SYMBOLS

- E A2.1 — ENLARGED PLAN
- G A2.1 — INTERIOR ELEVATION
- G A5.1 — DETAIL TAG
- TOILET 102C — ROOM NUMBER
- 4 — KEYED NOTE
- E — EXISTING DOOR
- 2 — WINDOW FRAME TYPE TAG
- (E) CPT — FLOORING TRANSITION

DEFERRED SUBMITTALS

THE FOLLOWING ITEMS WILL BE SUBMITTED AS A DEFERRED SUBMITTALS. THESE SUBMITTALS ARE TO BE PREPARED BY THE SUBCONTRACTOR RESPONSIBLE FOR THE WORK AND SUBMITTED TO THE CITY FOR APPROVAL PRIOR TO THE START OF INSTALLATION:

1. SEISMIC RESTRAINTS AND ANCHORAGE FOR PIPING, DUCTWORK AND MECHANICAL EQUIPMENT. DEFERRED SUBMITTAL DOCUMENTATION TO INCLUDE ENGINEERING AND SHOP DRAWINGS FOR SEISMIC RESTRAINT SYSTEMS, ASSEMBLIES AND COMPONENTS.

2. AUTOMATIC FIRE SPRINKLERS. DEFERRED SUBMITTAL DOCUMENTATION TO INCLUDE PIPE SIZING CALCULATIONS AND SYSTEM DRAWINGS INDICATING PIPE RUNS, PIPE SIZES, VALVES, FLOW SWITCHES, AND HEAD LOCATIONS. DESIGN TO BE IN CONFORMANCE WITH NFPA 13.

REGISTERED ARCHITECT James M. Robertson EUGENE, OREGON STATE OF OREGON

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Drawn By RMN/LS
Checked
Date 17 APRIL 2014
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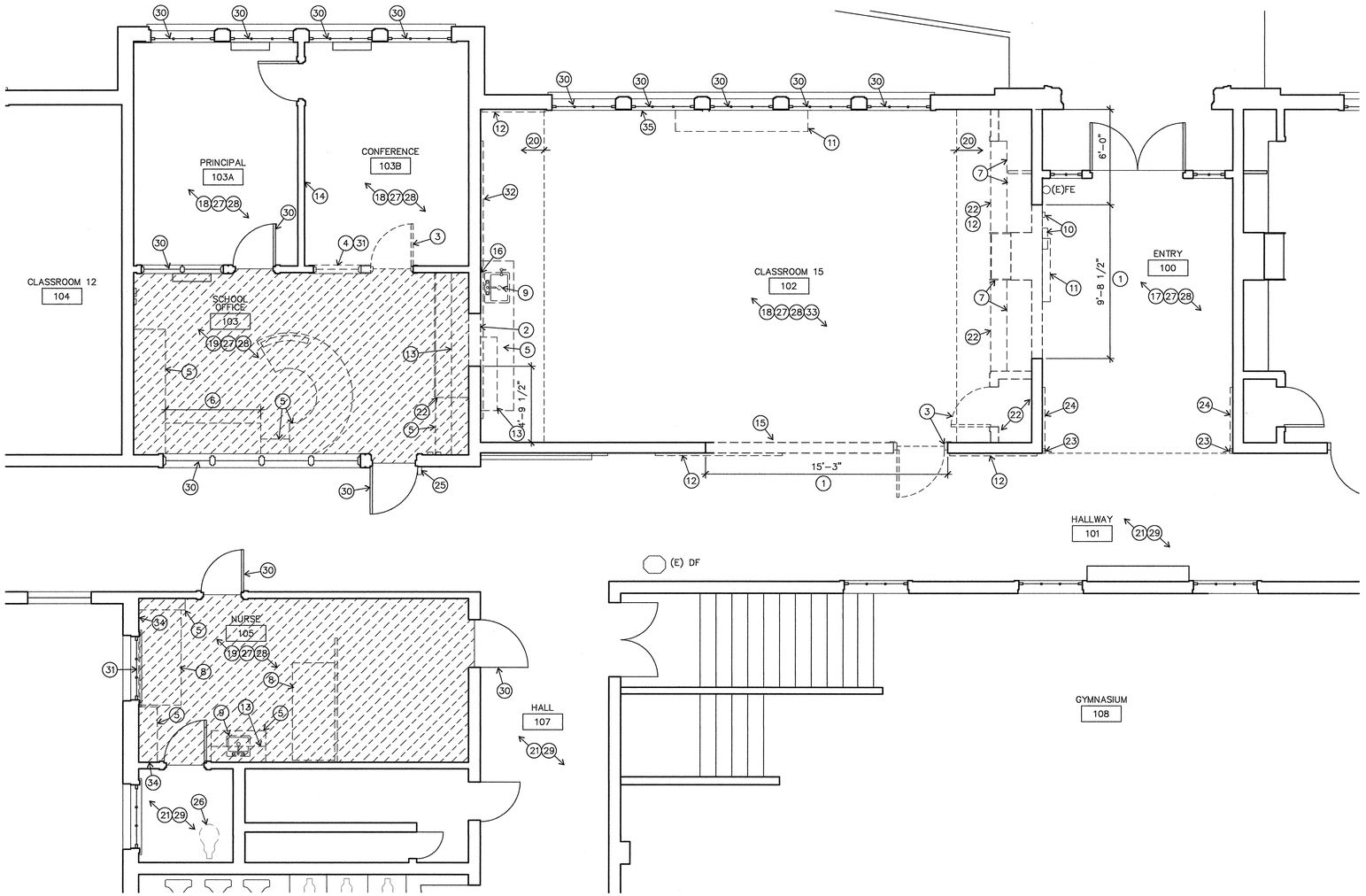
G1.0



A A1.1 **DEMOLITION PLAN**
1/4" = 1'-0"

NORTH

GENERAL DEMOLITION PLAN NOTES

A. FIELD VERIFY ALL CONDITIONS PRIOR TO BEGINNING WORK. IMMEDIATELY NOTIFY ARCHITECT UPON DISCOVERY OF ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS.

B. DEMOLITION PLAN DESCRIBES IN GENERAL REQUIRED DEMOLITION WORK. CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION REQUIRED TO COMPLETE NEW WORK AS SHOWN ON DRAWINGS OR AS SPECIFIED.

C. SPECIFIC AREAS OF DEMOLITION WILL REQUIRE REFERENCE TO OTHER SHEETS OR DETAILS TO DETERMINE DIMENSIONAL EXTENT OF WORK.

D. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION.

E. PROTECT ALL EXISTING FINISHES, CASEWORK, AND EQUIPMENT TO REMAIN.

F. PATCH AND SEAL AROUND DEMOLISHED, NEW, OR EXISTING PIPE AND DUCT PENETRATIONS AT WALLS, FLOOR, AND CEILING. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS.

G. PATCH EXISTING SURFACE AFFECTED BY DEMOLITION WORK TO MATCH ADJACENT, U.O.N.

H. COORDINATE ACTIVITIES WITH THE OWNER, INCLUDING ALLOWABLE SCHEDULE FOR LOAD CONSTRUCTION ACTIVITY AND ACCESS TO AREA WORK FOR DELIVERY AND REMOVAL MATERIAL.

J. DIMENSIONS ARE TO FACE OF EXISTING OR NEW FINISH, U.O.N.

K. REMOVE EXISTING SIGNS WITHIN ROOMS.

L. REMOVE EXISTING CARPET, SHEET VINYL, VCT, AND RUBBER BASE FROM ROOMS TO RECEIVE NEW FLOOR FINISHES. LEAVE EXISTING WOOD BASE IN PLACE AT WALLS TO REMAIN U.O.N.

M. ROOM NUMBERS AND NAMES INDICATED ON DEMOLITION PLAN DO NOT CORRESPOND WITH NEW PLAN ROOM NUMBERS AND NAMES, AND ARE ONLY PROVIDED FOR DEMOLITION PLAN REFERENCE PURPOSES.

KEYED DEMOLITION PLAN NOTES

1. REMOVE EXISTING LOAD BEARING CLAY TILE WALL WITH CEMENT PLASTER UP TO STRUCTURE ABOVE. PROVIDE TEMPORARY SHORING. REFER TO STRUCTURAL DRAWINGS. CONTRACTOR OPTION: REMOVE AND SALVAGE EXISTING WOOD CEILING MOLDING AND CHAIR RAIL FOR REINSTALLATION.
2. PROVIDE OPENING FOR NEW DOOR IN EXISTING WOOD STUD WALL WITH CEMENT PLASTER.
3. REMOVE EXISTING DOORS, FRAMES, AND WOOD TRIM. SALVAGE DOOR HARDWARE TO OWNER.
4. REMOVE EXISTING WINDOW, WOOD TRIM, AND WALL. PROVIDE OPENING FOR NEW DOOR.
5. REMOVE EXISTING CASEWORK.
6. REMOVE AND SALVAGE EXISTING CASEWORK AND COUNTERTOP FOR REINSTALLATION. REPAIR ENDS OF CUT COUNTERTOP TO MATCH EXISTING FRONT EDGE AS REQUIRED.
7. REMOVE EXISTING FULL HEIGHT CASEWORK.
8. REMOVE EXISTING BENCH CASEWORK.
9. REMOVE EXISTING SINK. REFER TO MECHANICAL DRAWINGS.
10. RELOCATE EXISTING FIRE ALARM PANEL, FIRE ALARM PULL, FIRE STROBE, AND SECURITY KEYPAD. REFER TO ELECTRICAL DRAWINGS.
11. REMOVE EXISTING RADIATOR. REFER TO MECHANICAL DRAWINGS.
12. REMOVE EXISTING WALL-HUNG TACKBOARD.
13. REMOVE EXISTING UPPER CABINET.
14. EXISTING TACKBOARD WITH WOOD TRIM TO REMAIN.
15. REMOVE EXISTING MARKERBOARD, TACKBOARD HEADER, AND CHALK RAIL.
16. REMOVE EXISTING SURFACE MOUNTED BOARD BEHIND OWNER REMOVED SOAP DISPENSER AND PAPER TOWEL DISPENSER.
17. REMOVE EXISTING CARPET OVER EXISTING CONCRETE FLOOR.
18. REMOVE EXISTING CARPET OVER EXISTING WOOD FLOOR.
19. REMOVAL OF FLOORING BY ABATEMENT CONTRACTOR. REFER TO DEMOLITION PLAN LEGEND FOR ADDITIONAL NOTES.
20. REMOVE EXISTING SHEET VINYL FLOORING OVER EXISTING WOOD FLOOR.
21. EXISTING FLOORING TO REMAIN.
22. REMOVE EXISTING CEILING SOFFIT.
23. REMOVE COVED FLOOR BASE, WOOD WAINSCOT TRIM, TACKBOARD STRIP UNDER WAINSCOT TRIM, AND WOOD CEILING MOULDING AT NEW SLIDING GLASS DOOR.
24. REMOVE AND REINSTALL EXISTING WALL ART AND WOOD FRAME.
25. REMOVE AND SALVAGE EXISTING OFFICE SIGN.
26. REMOVE EXISTING WALL-HUNG TOILET. REPAIR WALL FINISH AS REQUIRED. REFER TO MECHANICAL DRAWINGS.
27. REMOVE EXISTING GLUE-UP CEILING TILES. EXISTING SUBSTRATE TO REMAIN.
28. REMOVE EXISTING PENDANT LIGHT FIXTURES. REFER TO ELECTRICAL DRAWINGS.
29. EXISTING GLUE-UP CEILING TILES TO REMAIN.
30. PROTECT AND CLEAN EXISTING WINDOW COVERINGS TO REMAIN.
31. REMOVE EXISTING WINDOW COVERINGS. PATCH WALL OR TRIM AS REQUIRED.
32. REMOVE EXISTING WALL-APPLIED TACKBOARD AND WOOD TRIM.
33. REMOVE WOOD AND RUBBER BASE IN EXISTING ROOM.
34. REMOVE EXISTING WOOD CHAIR RAIL AND MDF WAINSCOT. PATCH PLASTER WALL AS REQUIRED.
35. REMOVE EXISTING TACK STRIP UNDER WINDOW SILL.

DEMOLITION PLAN LEGEND

WALL OR EXISTING ITEM TO REMAIN

WALL OR EXISTING ITEM TO BE REMOVED

AREA OF ASBESTOS FLOORING ABATEMENT:
REMOVAL OF EXISTING CARPET OVER ASBESTOS-CONTAINING TILES IN SCHOOL OFFICE 103 AND ASBESTOS-CONTAINING TILES IN NURSE 105 OVER 3/4" PLYWOOD SHEATHING BY ABATEMENT CONTRACTOR. COORDINATE ABATEMENT OF FLOORING CONCURRENT WITH CONSTRUCTION. GENERAL CONTRACTOR RESPONSIBLE FOR REMOVAL OF EXISTING CASEWORK AS NOTED IN AREA PRIOR TO ABATEMENT. GENERAL CONTRACTOR RESPONSIBLE FOR INSTALLING NEW 3/4" PLYWOOD UNDERLAYMENT AFTER ABATEMENT.

REGISTERED ARCHITECT James M. Robertson RENEWAL 12/31/2014 EUGENE, OREGON STATE OF OREGON

Robertson | Sherwood | Architects pc
132 East Broadway, Suite 540
Eugene, Oregon 97401
www.robertsonsherwood.com
P 541 | 342.8077
F 541 | 345.4302
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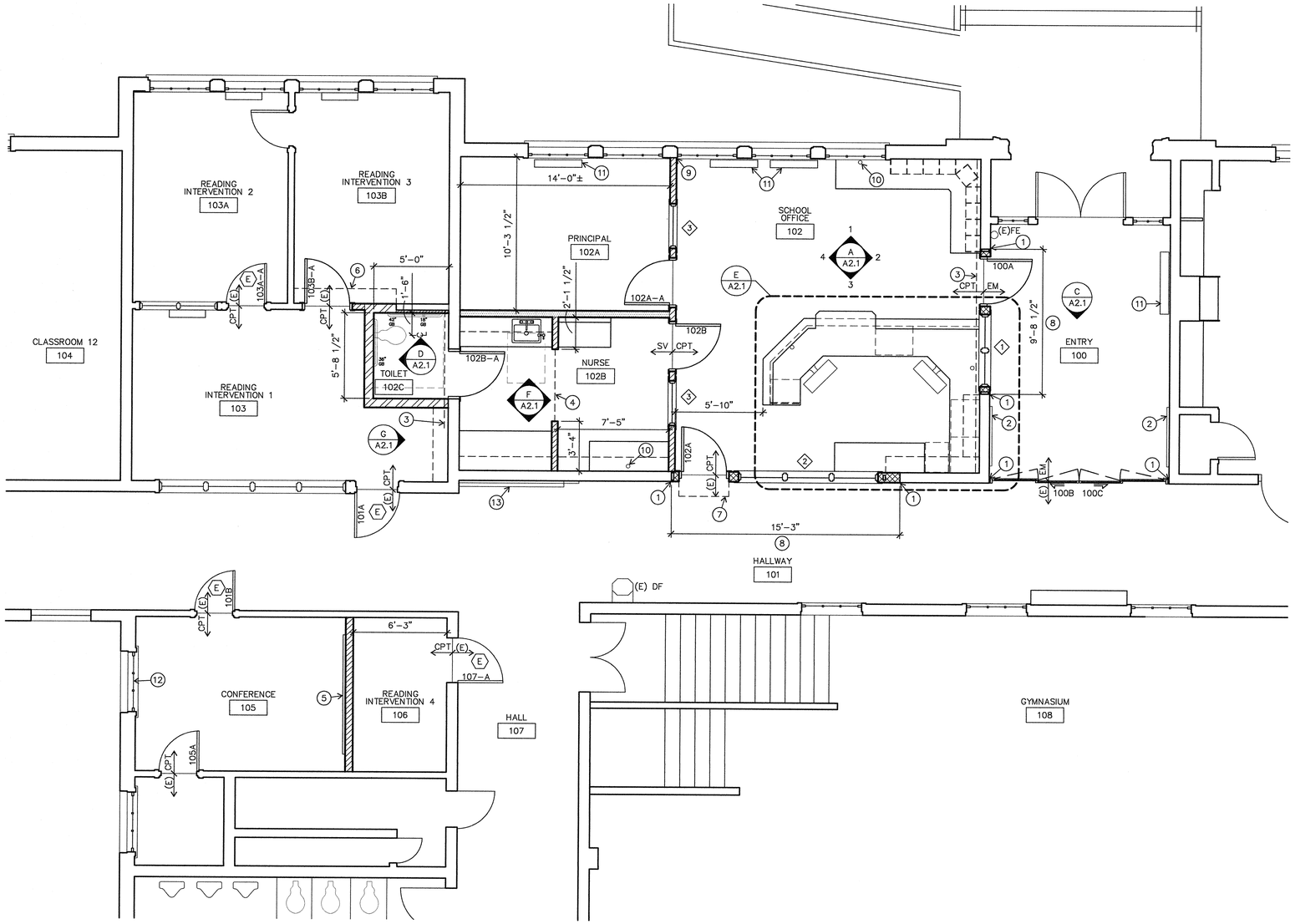
Edison Elementary School Office Relocation

DEMOLITION PLANS

Drawn By RMN/LS | Checked | Date 17 APRIL 2014 | Project 1321

A1.1



A A1.2 FLOOR PLAN
1/4" = 1'-0"

GENERAL FLOOR PLAN NOTES

A. ALL WORK TO CONFORM TO ALL CURRENT APPLICABLE CODE AND REGULATIONS, INCLUDING OREGON STRUCTURAL SPECIALTY CODE (OSSC), OREGON MECHANICAL SPECIALTY CODE (OMSC), OREGON PLUMBING SPECIALTY CODE (OPSC), OREGON ENERGY EFFICIENCY SPECIALTY CODE (OEESC), OREGON FIRE CODE (OFC), AND CURRENT ELECTRICAL CODE.

B. FIELD VERIFY ALL CONDITIONS PRIOR TO BEGINNING WORK. IMMEDIATELY NOTIFY ARCHITECT UPON DISCOVERY OF ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS.

C. DIMENSIONS ARE TO FACE OF FINISH, UNLESS NOTED OTHERWISE.

D. ALIGN PLANE OF NEW FINISHES TO MATCH EXISTING ADJACENT U.O.N.

E. PATCH EXISTING SURFACES AFFECTED BY DEMOLITION WORK TO MATCH ADJACENT, U.O.N. REFINISH AS SCHEDULED.

GENERAL NOTES REGARDING EXISTING & NEW WOOD TRIM (BASE, CHAIR RAILS, CEILING MOLDINGS):

F. PROVIDE NEW CHAIR RAILS TO MATCH EXISTING AS NECESSARY FOR CONTINUOUS INSTALLATION THROUGHOUT SPACE.

G. MILL PROFILE OF NEW WOOD BASE, CHAIR RAILS, AND CEILING MOLDINGS TO MATCH EXISTING ADJACENT.

H. RETAIN EXISTING WOOD BASE U.O.N.

GENERAL NOTES REGARDING OPENINGS (DOORS, RELITES, CASED OPENINGS):

I. DOORS MARKED (E) ON THE FLOOR PLAN ARE EXISTING DOORS TO REMAIN WITH HARDWARE CHANGES. REFER TO DOOR SCHEDULE.

J. DOORS WITHOUT A DOOR TAG SYMBOL ON THE FLOOR PLAN ARE EXISTING DOORS WITH NO CHANGES TO HARDWARE, OPERATION, FRAME, ETC.

GENERAL NOTES REGARDING TREATMENT OF WALL FINISHES:

M. REPAIR CEMENT PLASTER/VENEER PLASTER AT EXISTING WALL LOCATIONS AS FOLLOWS:

1. WHERE TACKBOARD, MARKERBOARD, OR OTHER WALL MOUNTED ITEMS ARE REMOVED.

2. WHERE FINISH OF EXISTING VENEER PLASTER IS IRREPARABLY DAMAGED.

S. WHERE NOT OTHERWISE INDICATED ON FLOOR PLANS OR AS DICTATED BY NOTES ABOVE, ASSUME APPLICATION OF VENEER PLASTER AT RATIO OF 1:10 FOR TOTAL SURFACE AREA OF EXISTING WALLS TO REMAIN AND VISIBLE WITHIN FINISHED SPACES. VENEER PLASTER AS NECESSARY TO ADDRESS OVERSIZED VOIDS, SCRATCHES, AND IN GENERAL SURFACES UNSUITABLE FOR APPLICATION OF NEW PAINTED FINISHES BEYOND NORMAL CORRECTION OF DEFECTS PRIOR TO PAINTING AS SPECIFIED IN SECTION 09 90 00 – PAINTING AND COATING.

KEYED FLOOR PLAN NOTES

1. CAP END OF TACK STRIP UNDER EXISTING WAINSCOT TRIM.
2. REINSTALL SALVAGED ART DISPLAY AND WOOD TRIM.
3. PATCH AND PAINT WALL ABOVE REMOVED CEILING SOFFIT.
4. PRIVACY CURTAIN AND ROD. HANG ROD AT 7'-0" AFF.
5. INSTALL NEW 4'X8' MARKERBOARD CENTERED ON WALL. BOTTOM OF MARKERBOARD TO BE 3'-4" AFF.
6. PATCH EXISTING CARPET AS REQUIRED.
7. PATCH EXISTING SHEET VINYL AS REQUIRED.
8. PROVIDE NEW COVED CEMENT BASE, WOOD CHAIR RAIL, AND WOOD CEILING MOULDING TO MATCH EXISTING ON HALLWAY/VESTIBULE SIDE OF WALL. PROVIDE CEILING MOULDING TO MATCH EXISTING ON OFFICE SIDE OF WALL. CONTRACTOR OPTION: REINSTALL EXISTING CHAIR RAIL AND CEILING MOULDINGS SALVAGED DURING DEMOLITION.
9. ALIGN FINISH OF NEW WALL WITH EXISTING EDGE OF OF EXISTING WINDOW FACE TRIM. CUT BACK SILL AND HEAD TRIM AS REQUIRED TO PROVIDE A TIGHT FINISH TO EXISTING WALL.
10. INSTALL COUNTERTOP GROMMET.
11. NEW CONVECTOR. REFER TO MECHANICAL DRAWINGS.
12. INSTALL NEW WINDOW COVERING.
13. EXISTING TACKBOARD TO REMAIN.

WALL SCHEDULE

TYPICAL INTERIOR WALL:
2X4 WOOD STUDS AT 16" O.C. GYPSUM VENEER PLASTER EACH SIDE.

INTERIOR PLUMBING WALL:
2X6 WOOD STUDS AT 16" O.C. AND 1/2" RESILIENT CHANNELS WITH GYPSUM VENEER PLASTER EACH SIDE. FILL STUD CAVITY WITH ACOUSTICAL INSULATION. ACOUSTIC SEALANT AT PERIMETER.

INTERIOR ACOUSTICAL WALL:
2X4 WOOD STUDS AT 16" O.C. AND 1/2" RESILIENT CHANNELS WITH GYPSUM VENEER PLASTER EACH SIDE. FILL STUD CAVITY WITH ACOUSTICAL INSULATION. ACOUSTIC SEALANT AT PERIMETER.

INTERIOR FURRED WALL:
2X2 FURRING AT 16" O.C. AGAINST EXISTING WALLS, WITH GYPSUM VENEER PLASTER ON ONE SIDE. FILL STUD CAVITY WITH ACOUSTICAL INSULATION. ACOUSTIC SEALANT AT PERIMETER.

INFILL WALL:
2x8 WOOD STUDS AT 16" O.C. AND 1/2" RESILIENT CHANNELS (OR GYPSUM BOARD) WITH 5/8" GYPSUM VENEER PLASTER EACH SIDE. MATCH WIDTH OF EXISTING WALL. FILL STUD CAVITY WITH ACOUSTICAL INSULATION. ACOUSTIC SEALANT AT PERIMETER.

REGISTERED ARCHITECT James M. Robertson EUGENE, OREGON STATE OF OREGON

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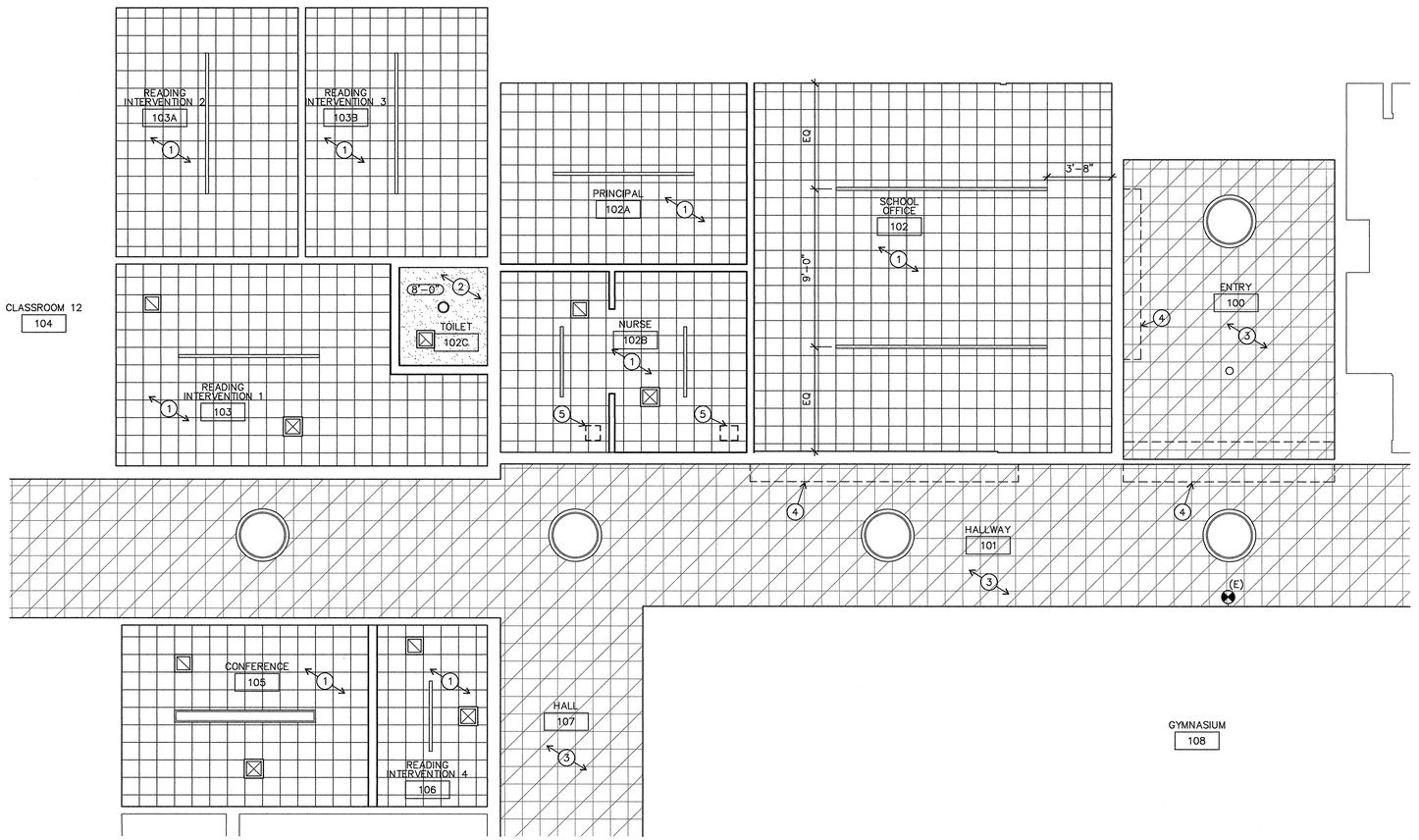
Edison Elementary School Office Relocation

FLOOR PLAN

Drawn By RMN/LS
Checked
Date 17 APRIL 2014
Project 1321

A1.2



A / A1.3 REFLECTED CEILING PLAN

1/4" = 1'-0"

GENERAL REFLECTED CEILING PLAN NOTES

A. FIELD VERIFY ALL CONDITIONS PRIOR TO BEGINNING WORK. IMMEDIATELY NOTIFY ARCHITECT UPON DISCOVERY OF ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS.

B. ALL CEILING HEIGHTS AFFECTED BY WORK ARE 12'–0"± MEASURED FROM FINISH FLOOR UNLESS NOTED OTHERWISE.

C. CENTER LIGHT FIXTURES, GRILLES, DIFFUSERS, ETC. IN MIDDLE OF ACOUSTICAL CEILING TILE, UNLESS OTHERWISE NOTED.

D. REFER TO MECHANICAL, ELECTRICAL, AND SECURITY DRAWINGS FOR ADDITIONAL CEILING–MOUNTED DEVICES NOT SHOWN ON THIS PLAN.

E. BUILDING IS FULLY–SPRINKLERED. SPRINKLER HEADS NOT SHOWN BUT ARE REQUIRED. MODIFY EXISTING SPRINKLER SYSTEM AS SHOWN ON THE SPRINKLER PLANS.

F. PLAN ONLY DEPICTS NEW HVAC GRILLES OR EXISTING GRILLS AFFECTED BY WORK.

G. REPAIR / REPLACE EXISTING CEILING TILE OR GYPSUM BOARD CEILING WHERE EXISTING LIGHT FIXTURES ARE REMOVED.

KEYED REFLECTED CEILING PLAN NOTES

1. NEW GLUE–UP ACOUSTICAL CEILING TILE.
2. NEW VENEER PLASTER CEILING OVER NEW 2X6 CEILING FRAMING AT 16" O.C.
3. EXISTING GLUE–UP ACOUSTICAL CEILING TILE TO REMAIN.
4. PATCH GLUE–UP CEILING TILE AS REQUIRED TO MATCH EXISTING.
5. OUTLINE OF NEW MECHANICAL ROOF PENETRATIONS IN ATTIC. CENTER PENETRATIONS 5'–0" SOUTH OF EXISTING ROOF RIDGE. REFER TO DETAIL T/A5.1 FOR ROOFING DETAILS.

REFLECTED CEILING PLAN LEGEND

- GLUE–UP ACOUSTICAL CEILING PANEL (ACT)
- EXISTING GLUE–UP ACOUSTICAL CEILING PANEL
- VENEER PLASTER (VP)
- MECHANICAL DIFFUSER (SUPPLY)
- MECHANICAL DIFFUSER (RETURN)
- EXHAUST FAN
- PENDANT LIGHT FIXTURES
- RECESSED CAN LIGHT FIXTURE
- EXISTING PENDANT LIGHT FIXTURE
- EXIT SIGN
- 8'–0" CEILING HEIGHT

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EUGENE, OREGON
STATE OF OREGON

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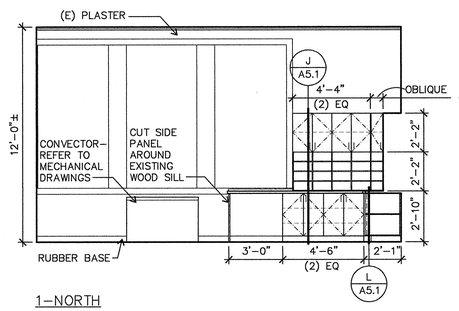
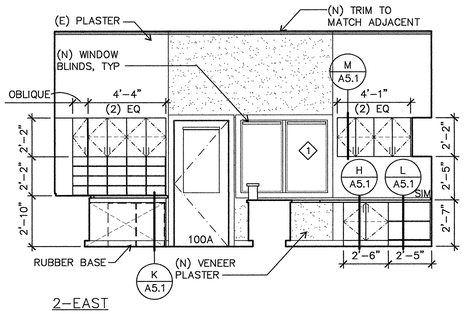
REFLECTED CEILING PLAN

Drawn By	Checked	Date	Project
RMN/LS		17 APRIL 2014	1321

A1.3



1–NORTH



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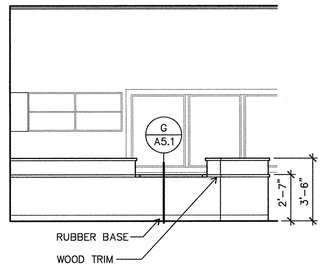

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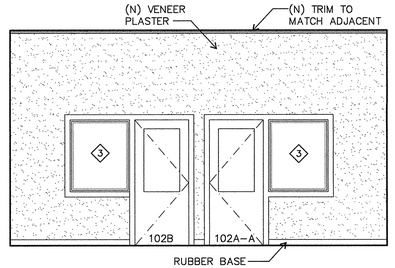
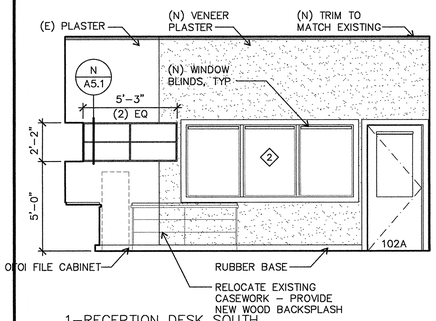


4–WEST

A A2.1 SCHOOL OFFICE 102

1/4" = 1'-0"



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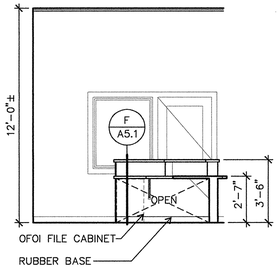

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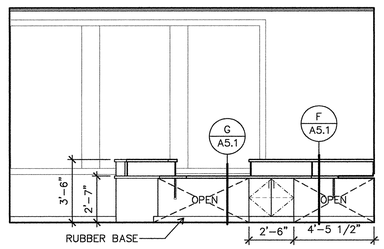
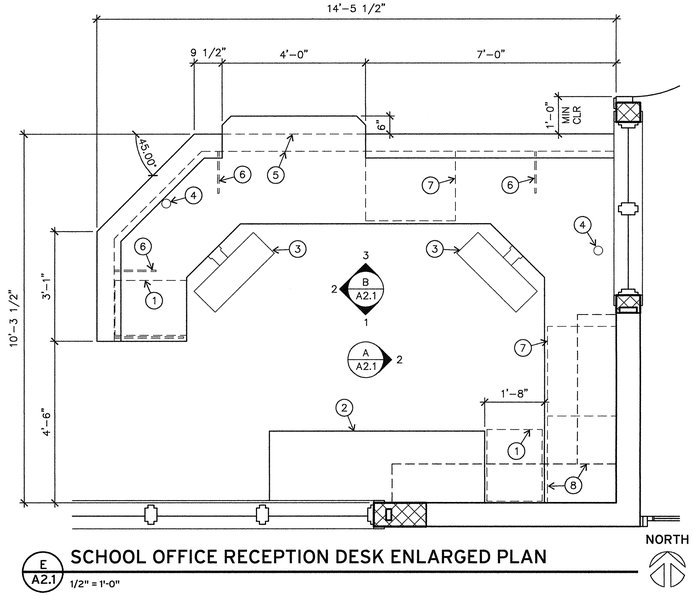


3–RECEPTION DESK NORTH

B A2.1 SCHOOL OFFICE RECEPTION DESK

1/4" = 1'-0"

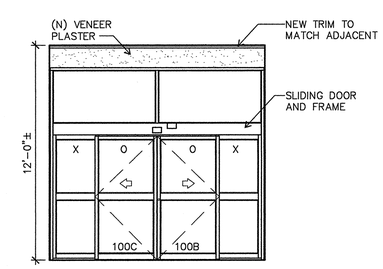


E A2.1 SCHOOL OFFICE RECEPTION DESK ENLARGED PLAN

1/2" = 1'-0"

KEYED FLOOR PLAN NOTES

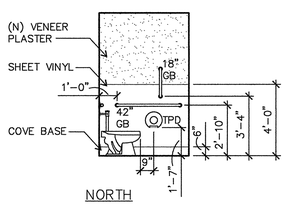
1. OWNER FURNISHED, OWNER INSTALLED FILE CABINET.
2. REINSTALL BASE CABINET AND COUNTERTOP FROM SCHOOL OFFICE 103. INSTALL NEW WOOD BACKSPLASH – REFER TO DETAIL R/A5.1.
3. PROVIDE BACKING AT UNDERSIDE OF COUNTERTOP FOR OFCI KEYBOARD TRAY.
4. GROMMET.
5. LINE OF CASEWORK PARTITION BELOW.
6. KNEE BRACE.
7. OUTLINE OF CASEWORK BELOW – REFER TO INTERIOR ELEVATIONS.
8. EXTEND OPEN SHELVING TO CORNER OF WALL.



SOUTH

C A2.1 VESTIBULE 100

1/4" = 1'-0"



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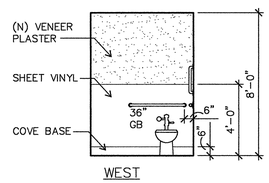
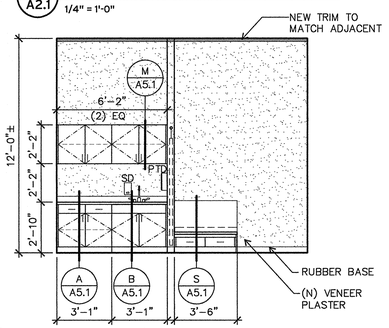


WEST

D A2.1 TOILET 102C

1/4" = 1'-0"



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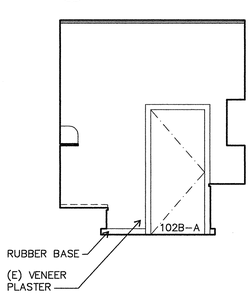
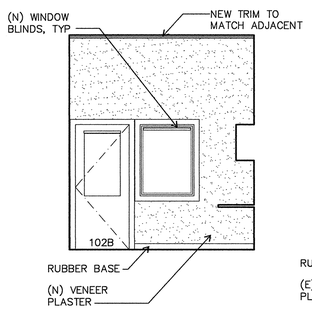


WEST



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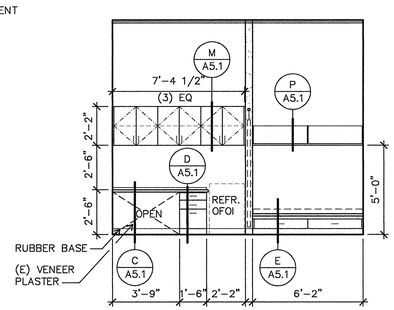
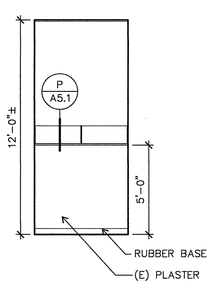


SOUTH

F A2.1 NURSE 102B

1/4" = 1'-0"



EAST

G A2.1 READING INTERVENTION 103

1/4" = 1'-0"

REGISTERED ARCHITECT
James M. Robertson
EUGENE, OREGON
STATE OF OREGON

Robertson | Sherwood | Architects pc
132 East Broadway, Suite 540
Eugene, Oregon 97401
P 541 | 342.8077
F 541 | 345.4302
www.robertsonsherwood.com
1328 East 22nd Avenue
Eugene, OR 97403

Edison Elementary School Office Relocation

INTERIOR ELEVATIONS
ENLARGED PLANS

Drawn By BT/LS
Checked
Date 17 APRIL 2014
Project 1321

A2.1

DOOR SCHEDULE

DR. NO.	DOOR TYPE	DOOR MTL	DOOR GLASS	FRAME TYPE	FRAME MTL	FRAME GLASS	HARDWARE GROUP	RATING	COMMENTS
100A	B	SCW	CSG	1	STL	--	1	--	
100B	--	ALUM	CSG	2	ALUM	--	3	--	ONE OF PAIR/SLIDING GLASS DOOR
100C	--	ALUM	CSG	2	ALUM	--	3	--	ONE OF PAIR/SLIDING GLASS DOOR
101A	(E)	--	--	(E)	--	--	--	--	REKEY EXISTING DOOR HARDWARE
101B	(E)	--	--	(E)	--	--	9	--	REPLACE LOCKSET
102A	B	SCW	CSG	1	STL	--	2	--	
102B	B	SCW	CSG	1	STL	--	6	--	
102A-A	B	SCW	CSG	1	STL	--	4	--	
102B-A	A	SCW	--	1	STL	--	5	--	
103A-A	(E)	--	--	(E)	--	--	7	--	REPLACE LOCKSET
103B-A	B	SCW	CSG	1	STL	--	8	--	
105A	(E)	--	--	(E)	--	--	10	--	REPLACE LOCKSET
107A	(E)	--	--	(E)	--	--	--	--	REKEY EXISTING DOOR HARDWARE

DOOR SCHEDULE GENERAL NOTES

1. INTERIOR DOORS CARRY THE ROOM NUMBER INTO WHICH THEY SWING AND A SEQUENCE LETTER.
2. EXTERIOR DOORS CARRY THE ROOM NUMBER FROM WHICH THEY ARE LOCATED AND A SEQUENCE NUMBER.
3. PAIRS OF DOORS ARE SCHEDULED INDIVIDUALLY. THEIR FRAME IS LISTED WITH EACH DOOR BUT ONLY ONE IS REQUIRED.
4. ABBREVIATIONS ARE AS FOLLOWS:

ALUM	ALUMINUM
CG	CLEAR GLASS
CSG	CLEAR SAFETY GLASS
HM	HOLLOW METAL
SCW	SOLID CORE WOOD
STL	STEEL
WD	WOOD

5. VERIFY HAND OF DOORS AND FRAMES WITH THE FLOOR PLANS.
6. REFER TO SECTION 08 71 00 OF SPECIFICATIONS FOR HARDWARE GROUP DESCRIPTION.
7. DOOR DIMENSIONS ARE NOMINAL. EXACT DIMENSIONS ARE TO BE SHOWN ON SHOP DRAWINGS.
8. CLEAN AND ADJUST EXISTING DOOR HARDWARE TO ENSURE PROPER FUNCTION.
9. PAINT EXISTING PAINTED DOORS LISTED IN SCHEDULE COLOR P-4 ON HALLWAY 101 SIDE AND COLOR P-5 ON CLASSROOM/OFFICE SIDE OF DOOR.
10. DO NOT PAINT NEW WOOD DOORS.

FINISH SCHEDULE

NO.	NAME	FLOOR MTL	FLOOR FIN	BASE MTL	BASE FIN	NORTH MTL	NORTH FIN	EAST MTL	EAST FIN	SOUTH MTL	SOUTH FIN	WEST MTL	WEST FIN	CEILING SYS	CEILING FIN	CEILING HGT	NOTES
100	VESTIBULE	EM	F	(E)/CEM	EN4	(E)PL / EWD	EN1 / EN2	(E)PL	EN1 / EN2	ALUM / VP	F / EN1	(E)PL / VP	EN1 / EN2	(E)ACT	--	12'-0"	③⑤
101	HALL	(E)	--	(E)	--	(E)PL / VP	EN1 / EN2	--	--	(E)	--	--	--	(E)ACT	--	11'-11"	③④
102	SCHOOL OFFICE	CPT	F	RB	F	(E)PL / EWD	EN1	(E)PL	EN1	(E)PL / VP	EN1	VP	EN3	ACT	F	12'-0"	①⑦⑧
102A	PRINCIPAL	CPT	F	RB	F	(E)PL / EWP	EN1	VP	EN3	VP	EN1	(E)PL	EN1	ACT	F	12'-0"	①⑦⑧
102B	NURSE	SV	F	RB	F	VP	EN1	VP	EN	(E)PL / VP	EN3	(E)PL	EN	ACT	F	12'-0"	①⑦⑧
102C	TOILET	SV	F	SV	F	SV / VP	F / EP1	SV / VP	F / EP1	SV / VP	F / EP1	SV / VP	F / EP1	VP	EP1	8'-0"	②
103	READING INTERVENTION 1	CPT	F	RB	F	(E)PL / VP	EN1	(E)PL / VP	EN1	(E)PL / EWD	EN1	(E)PL	EN3	ACT	F	12'-0"	①⑥⑧
103A	READING INTERVENTION 2	(E)	--	(E)	--	(E)PL / EWD	EN1	(E)PL	EN1	(E)PL	EN1	(E)PL	EN3	ACT	F	12'-0"	①⑧
103B	READING INTERVENTION 3	(E)	--	(E)	--	(E)PL / EWD	EN1	(E)PL	EN1	(E)PL / VP	EN1	(E)PL	EN3	ACT	F	12'-0"	①⑦⑧
105	CONFERENCE	CPT	F	RB	F	(E)PL	EN1	VP	EN3	(E)PL	EN1	(E)PL	EN1	ACT	F	12'-0"	①⑥⑦⑧
106	READING INTERVENTION 4	CPT	F	RB	F	(E)PL	EN1	(E)PL	EN1	(E)PL	EN1	VP	EN3	ACT	F	12'-0"	①⑧

FINISH SCHEDULE LEGEND

ACT	GLUE-UP ACOUSTICAL CEILING TILE
CEM	COVED CEMENT BASE
CPT	CARPET
(E)	EXISTING
EACT	EXISTING GLUE-UP ACOUSTIC CEILING TILE
EM	WALK-OFF CARPET TILE
ENX	ENAMEL PAINT, COLOR X
(E)PL	EXISTING PLASTER
EWD	EXISTING WOOD
F	FACTORY FINISH
RB	RESILIENT BASE
SV	SHEET VINYL
VP	GYPSUM VENEER PLASTER

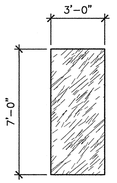
FINISH SCHEDULE - GENERAL NOTES

1. FINISH ALL EXPOSED, GRILLES, VENTS, PLUMBING PIPING AS SCHEDULED IN SECTION 09 90 00.
2. FINISH ALL NON-GALVANIZED EQUIPMENT AND PIPING. BRACKETS, HANGERS, AND SIMILAR ITEMS.
3. EXISTING SUBFLOOR IS WOOD, U.N.O.
4. CLEAN EXISTING WINDOW COVERINGS AT EXISTING DOORS AND WINDOWS TO REMAIN.

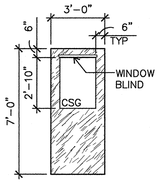
FINISH SCHEDULE - SPECIFIC NOTES

1. INSTALL NEW GLUE-UP ACOUSTIC CEILING TILE OVER EXISTING SUBSTRATE.
2. COVE SHEET VINYL FLOORING PROVIDE SHEET VINYL WAINSCOT UP TO 4'-0" A.F.F.
3. PAINT WOOD TRIM AT DOORS, WOOD TRIM AT WINDOWS, CHAIR RAIL, AND WALL BELOW CHAIR RAIL COLOR P-2. PAINT WALL ABOVE CHAIR RAIL AND CEILING MOULDING COLOR P-1.
4. MATCH EXISTING COVED CONCRETE BASE AT WALL INFILL.
5. INSTALL FLOORING OVER EXISTING CONCRETE SUBFLOOR.
6. INSTALL NEW 3/4" PLYWOOD SHEATHING SUBFLOOR.
7. INSTALL NEW WINDOW COVERING TO ALL NEW WINDOWS AND DOORS WITH GLAZING.
8. PAINT NEW AND EXISTING WOOD TRIM AT DOORS, WOOD TRIM AT WINDOWS, AND CEILING MOULDING COLOR P-5.

DOOR TYPES

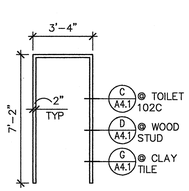


DOOR TYPE 'A'
SCW

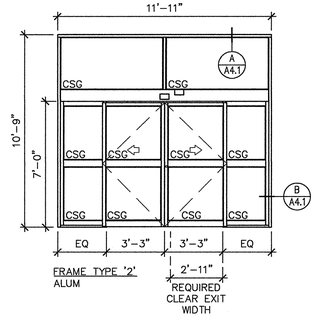


DOOR TYPE 'B'
SCW

DOOR FRAME TYPES

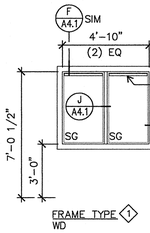


FRAME TYPE '1'
STL

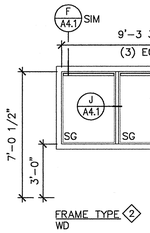


FRAME TYPE '2'
ALUM

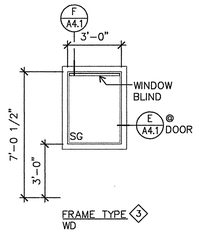
WINDOW FRAME TYPES



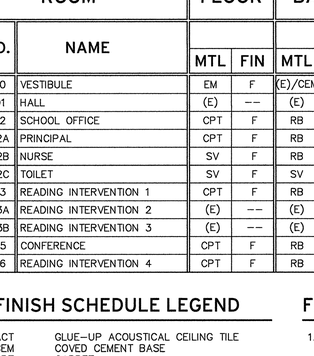
FRAME TYPE 1
WD



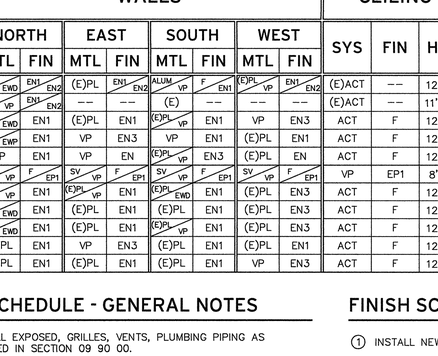
FRAME TYPE 2
WD



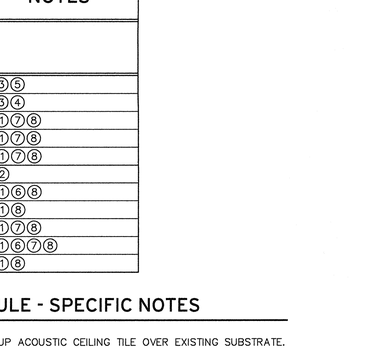
FRAME TYPE 3
WD



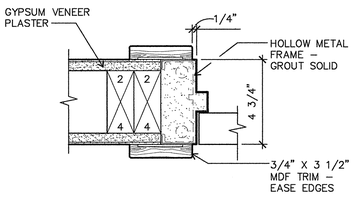
A A4.1 SLIDING DOOR HEAD
3" = 1'-0"



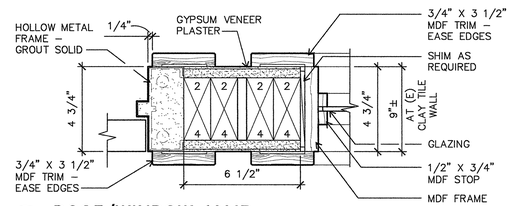
B A4.1 SLIDING DOOR JAMB
3" = 1'-0"



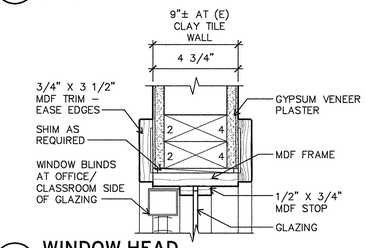
C A4.1 DOOR JAMB AT TOILET 102C
3" = 1'-0"



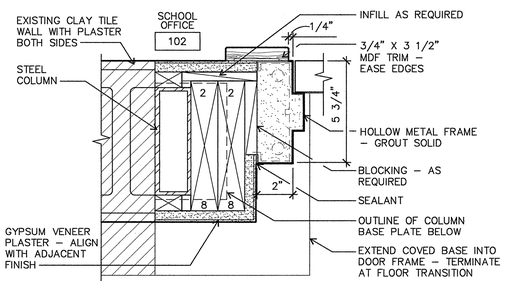
D A4.1 DOOR JAMB AT WOOD STUD
3" = 1'-0"



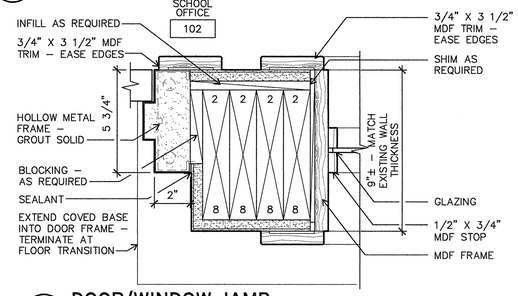
E A4.1 DOOR/WINDOW JAMB
3" = 1'-0"



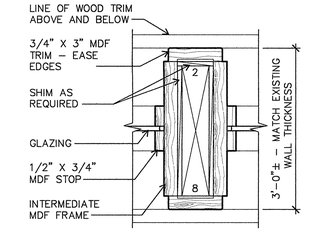
F A4.1 WINDOW HEAD
3" = 1'-0"



G A4.1 DOOR JAMB AT CLAY TILE WALL
3" = 1'-0"



H A4.1 DOOR/WINDOW JAMB
3" = 1'-0"



J A4.1 INTERMEDIATE WINDOW JAMB
3" = 1'-0"

REGISTERED ARCHITECT
James M. Robertson
EUGENE, OREGON
STATE OF OREGON

Robertson | Sherwood Architects pc
132 East Broadway, Suite 540
Eugene, Oregon 97401
www.robertsonsherwood.com
P 541 | 342.8077
F 541 | 345.4302

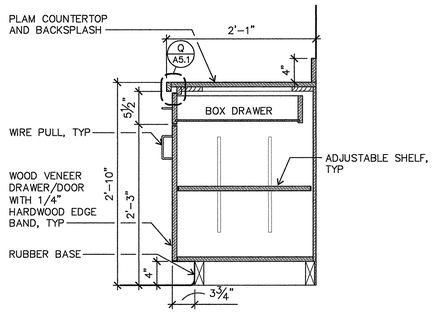
1328 East 22nd Avenue
Eugene, OR 97403

Edison Elementary School Office Relocation

SCHEDULES
DOOR AND WINDOW
DETAILS

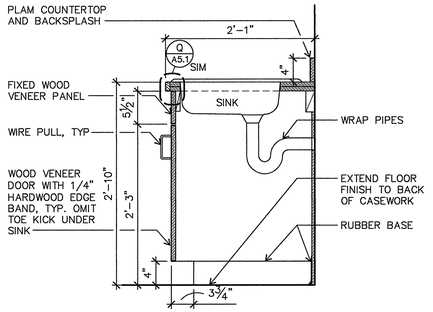
Drawn By	LS	Date	17 APRIL 2014
Checked		Project	1321

A4.1



A A5.1 CASEWORK SECTION

1" = 1'-0"



B A5.1 CASEWORK SECTION

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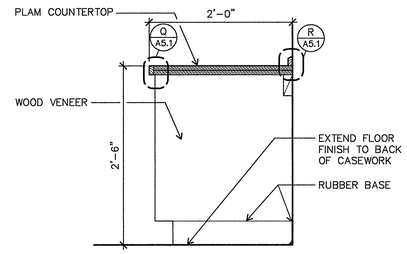

C A5.1 CASEWORK SECTION

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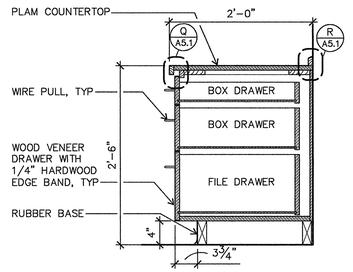
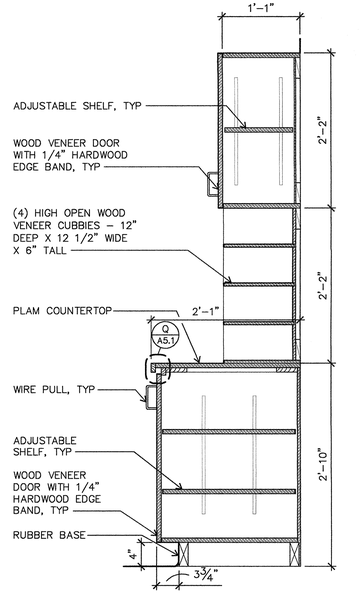


D A5.1 CASEWORK SECTION

1" = 1'-0"



J A5.1 CASEWORK SECTION

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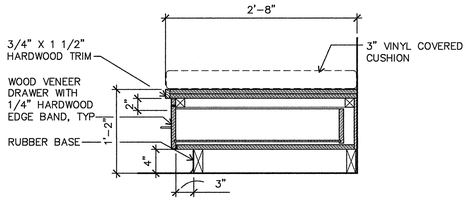

E A5.1 BED CASEWORK SECTION

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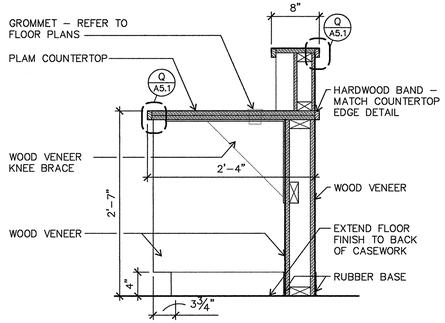
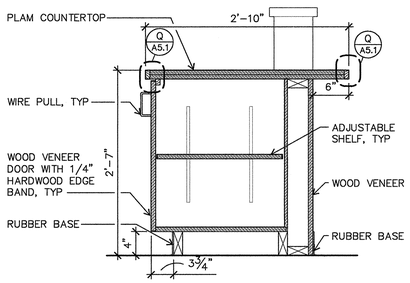


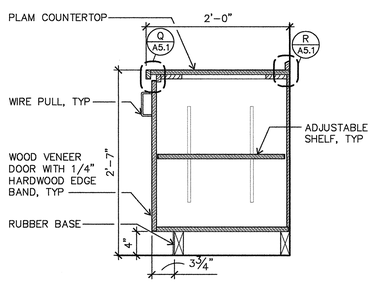
F A5.1 CASEWORK SECTION

1" = 1'-0"



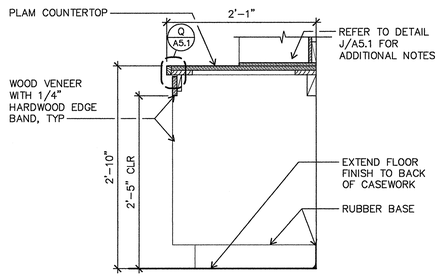
G A5.1 CASEWORK SECTION

1" = 1'-0"



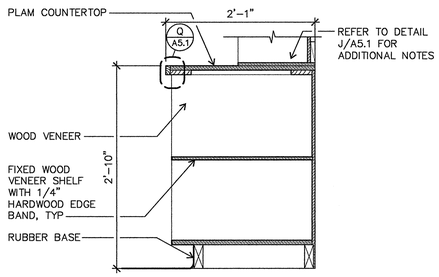
H A5.1 CASEWORK SECTION

3" = 1'-0"



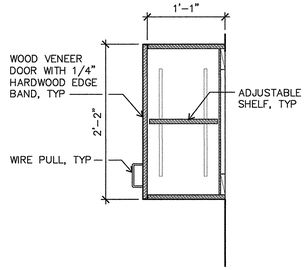
K A5.1 CASEWORK SECTION

1" = 1'-0"



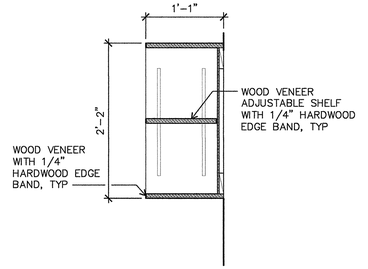
L A5.1 CASEWORK SECTION

1" = 1'-0"



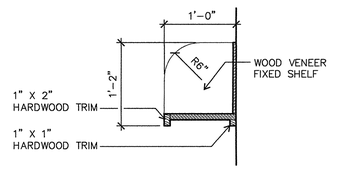
M A5.1 CASEWORK SECTION

1" = 1'-0"



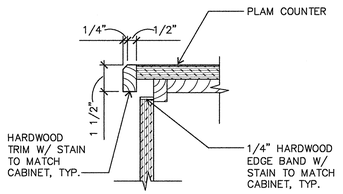
N A5.1 CASEWORK SECTION

1" = 1'-0"



P A5.1 CASEWORK SECTION

1" = 1'-0"



Q A5.1 COUNTER EDGE DETAIL

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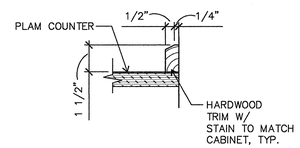
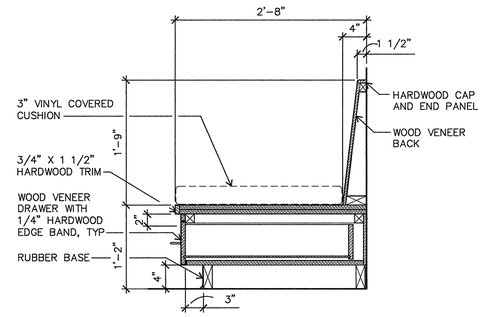


R A5.1 WOOD TRIM DETAIL

3" = 1'-0"



S A5.1 BENCH CASEWORK SECTION

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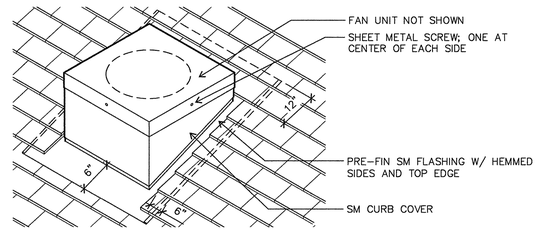


T A5.1 FLASHING AT SMALL MECHANICAL UNIT

N.T.S.

REGISTERED ARCHITECT
James M. Robertson
EUGENE, OREGON
STATE OF OREGON

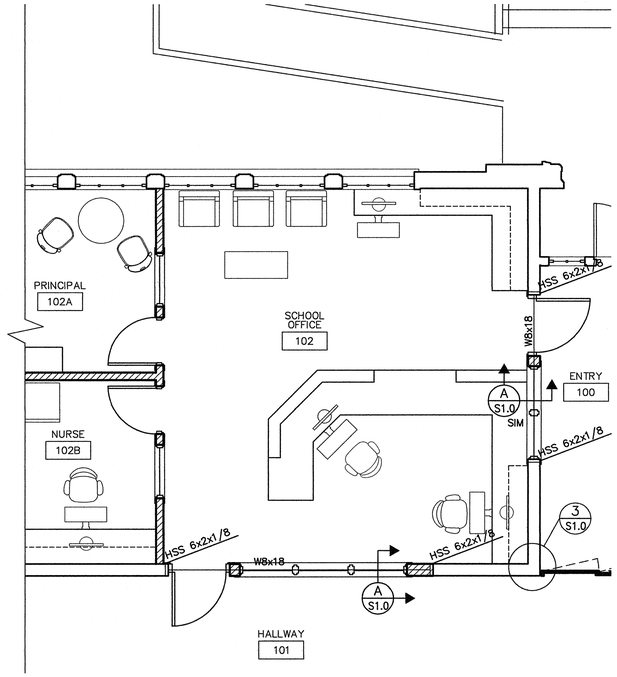
Robertson | Sherwood | Architects pc
132 East Broadway, Suite 540
Eugene, Oregon 97401
P 541 | 342.8077
F 541 | 345.4302
www.robertsonsherwood.com
1328 East 22nd Avenue
Eugene, OR 97403

Edison Elementary School Office Relocation

CASEWORK DETAILS

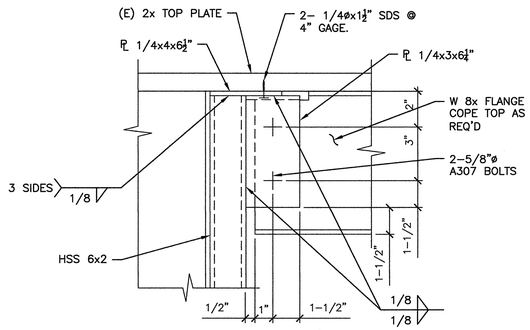
Drawn By LS
Checked
Date 17 APRIL 2014
Project 1321

A5.1

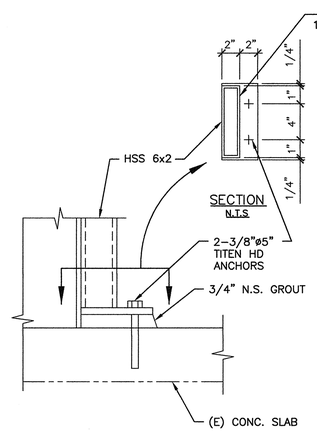


S1.0 FLOOR PLAN
1/4" = 1'-0"

NORTH



1 S1.0 DETAIL
3" = 1'-0"



2 S1.0 DETAIL
3" = 1'-0"

STRUCTURAL SPECIFICATIONS

GENERAL
ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE CURRENT GOVERNING EDITION OF THE OREGON STRUCTURAL SPECIALTY CODE.

STRUCTURAL STEEL AND MISCELLANEOUS IRON
STRUCTURAL STEEL AND MISCELLANEOUS IRON SHALL BE CONSTRUCTED IN ACCORDANCE WITH AISC CODE OF STANDARD PRACTICE – CURRENT EDITION.
a. WIDE FLANGE AND STRUCTURAL TEE SHAPES SHALL CONFORM TO ASTM A992.
b. CHANNELS AND ANGLES SHALL CONFORM TO ASTM A36.
c. STRUCTURAL PLATE SHALL CONFORM TO ASTM A36 OR ASTM A572.
d. STEEL PIPE SHALL CONFORM TO ASTM A53, GRADE B.
e. HOLLOW STRUCTURAL SECTIONS SHALL CONFORM TO ASTM A500, GRADE B

ALL STRUCTURAL STEEL AND MISCELLANEOUS IRON SHALL RECEIVE CORROSION RESISTANT SHOP PRIME COAT EXCEPT ON SURFACES RECEIVING WELDS, EMBEDDED IN CONCRETE, OR AT SLIP CRITICAL HIGH STRENGTH BOLTS WHICH SHALL BE TOUCHED UP AFTER CONNECTION IS COMPLETE. STRUCTURAL STEEL AND MISCELLANEOUS IRON WHICH IS TO HAVE SPRAY ON FIREPROOFING SHALL NOT BE PAINTED.

MACHINE BOLTS, ANCHOR BOLTS, STUDS AND THREADED RODS
a. BOLTS & RODS SHALL CONFORM TO ASTM A307 GRADE A OR B OR A36.
b. NUTS SHALL BE AS SHOWN BELOW AND FINISH SHALL MATCH FASTENER.

FASTENER GRADE & SIZE	NUT CLASS	NUT STYLE
ASTM A36 OR ASTM A307A, ¼" TO 1½"	ASTM A563–A	HEX
ASTM A36 OR ASTM A307A, OVER 1½" TO 4"	ASTM A563–A	HEAVY HEX
ASTM A307B, ¼" TO 4"	ASTM A563–A	HEAVY HEX

POWDER DRIVEN FASTENERS (PDF)
POWDER DRIVEN FASTENERS SHALL BE DS HEAVY DUTY PINS WITH A MINIMUM DIAMETER OF 0.177 INCHES AS MANUFACTURED BY HILTI, INC. OR APPROVED EQUAL.

NAILS
NAILS SHALL BE COMMON STEEL WIRE NAILS, CONFORMING TO ASTM F1667. GALVANIZED BOX NAILS MAY BE USED IN SHEARWALL SHEATHING ATTACHMENT. ALL CONNECTIONS NOT SHOWN SHALL CONFORM TO TABLE 2304.91 OF IBC.

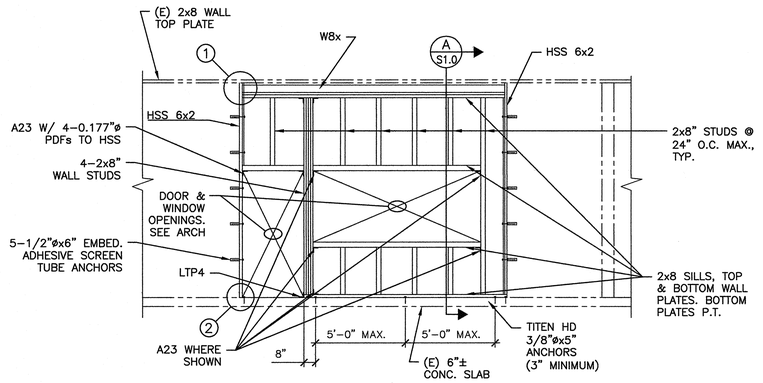
TITEN HD & SDS SCREWS
TITEN HD & SDS SCREWS SHALL BE AS MANUFACTURED BY SIMPSON STRONG–TIE AND SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS. SPECIAL INSPECTION REQ'D FOR TITEN HD ANCHORS.

LIGHT GAGE METAL CONNECTORS
ALL LIGHT GAGE METAL CONNECTORS, UNLESS NOTED OTHERWISE ON THE DRAWINGS SHALL BE SIMPSON STRONG TIE CONNECTORS OR APPROVED EQUAL.

NON–SHRINK GROUT
NON–SHRINK GROUT SHALL HAVE A MINIMUM 7 DAY COMPRESSIVE STRENGTH OF 5000 PSI. NON–SHRINK GROUT SHALL BE MASTERFLOW 928 GROUT AS MANUFACTURED BY CHEMREX OR APPROVED EQUAL.

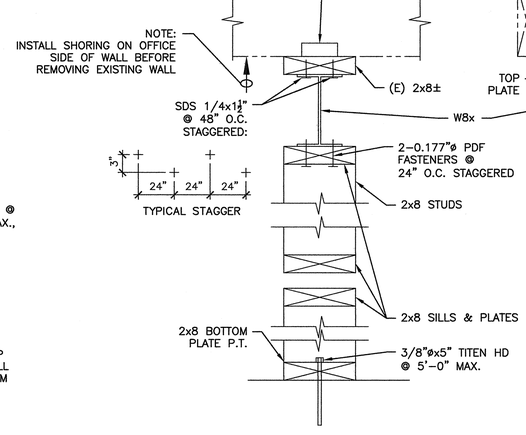
ADHESIVE ANCHORING SYSTEMS FOR MASONRY
ADHESIVE ANCHORING SYSTEMS SHALL BE SIMPSON SET SYSTEM OR APPROVED EQUAL. INSTALLATION OF ANCHORS AND ADHESIVE INCLUDING INSTALLATION OF SCREEN TUBES, DRILLING AND CLEANING OF HOLES SHALL BE IN ACCORDANCE WITH CURRENT ES REPORT. ADHESIVES SHALL BE USED ONLY IN APPLICATIONS PERMITTED BY THE ADHESIVE'S ES REPORT. SPECIAL INSPECTION REQUIRED.

WELDING
ALL WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS PER AWS "STANDARD QUALIFICATION PROCEDURE" TO PERFORM THE TYPE OF WORK REQUIRED. ALL WELDING SHALL BE IN ACCORDANCE WITH THE CURRENT AWS WELDING CODE. ARC WELDING ELECTRODES SHALL BE E70 SERIES FOR A36, A572 & A992 MATERIAL, AND E80 SERIES FOR A706 REINFORCING STEEL. SPECIAL INSPECTION REQUIRED.

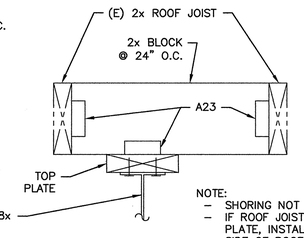


NOTE:
– ROOF FRAMING NOT SHOWN.
– EAST WALL SIMILAR, O.H.
– INSTALL NON–SHRINK GROUT BETWEEN HSS6x2 & EXISTING CLAY TILE AS REQ'D TO FILL VOIDS PRIOR TO INSTALLING SCREEN TUBES

S1.0 SOUTH WALL ELEVATION
1/4" = 1'-0"

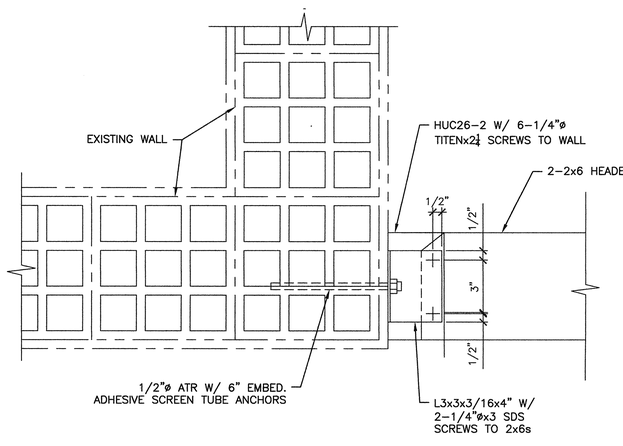


A S1.0 SECTION
1–1/2" = 1'-0"



NOTE:
– SHORING NOT REQUIRED AT EAST WALL.
– IF ROOF JOIST ALIGNS WITH WALL TOP PLATE, INSTALL 2x BLOCK ON EACH SIDE OF ROOF JOIST TO ADJUST JOISTS.

EAST WALL SECTION @ SIM



3 S1.0 SECTION
3" = 1'-0"

REGISTERED PROFESSIONAL ENGINEER
OREGON
SEPT. 17, 1980
SCOTT A. METZLER
EXPIRES 12/31/2014

Robertson | Sherwood Architects pc
132 East Broadway, Suite 540
Eugene, Oregon 97401
www.robertsonsherwood.com
P 541 | 342.8077
F 541 | 345.4302

1328 East 22nd Avenue
Eugene, OR 97403

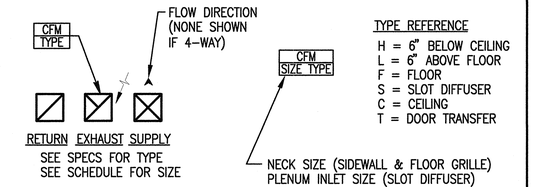
Edison Elementary School Office Relocation

STRUCTURAL PLAN
DETAILS & NOTES

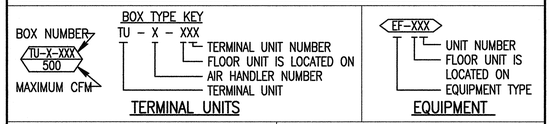
Drawn By	RMN
Checked	
Date	14 MAR 2014
Project	1321

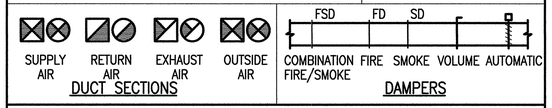
S1.0

DUCT LEGEND



CEILING DIFFUSERS & GRILLES | SIDEWALL, SLOTS & FLOOR GRILLES



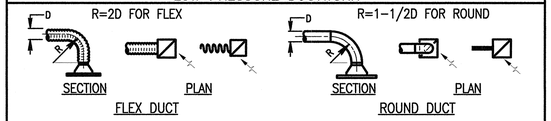


RETURN OR EXHAUST AIR FLOW

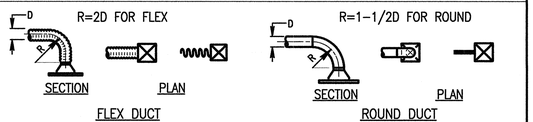
SUPPLY OR OUTSIDE AIR FLOW

UC 1/2" UNDERCUT DOOR

LOW PRESSURE DUCTWORK

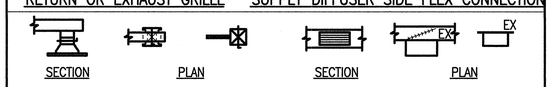


RETURN OR EXH. GRILLE CONNECTION



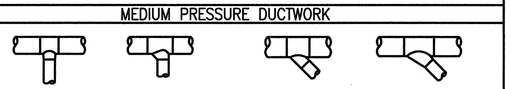
SUPPLY DIFFUSER CONNECTION

RETURN OR EXHAUST GRILLE | SUPPLY DIFFUSER SIDE FLEX CONNECTION

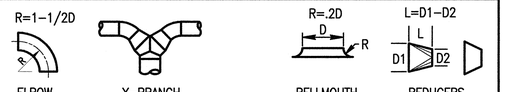


SUPPLY DIFFUSER HARD CONNECTION | SIDE WALL SUPPLY GRILLE CONNECTION

MEDIUM PRESSURE DUCTWORK



BRANCH FITTINGS



STANDARD PLUMBING ABBREVIATIONS

AF	AIRFOIL	IE	INVERT ELEVATION
AFF	ABOVE FINISHED FLOOR	IN	INCH(ES)
AHP	APPARATUS HOUSING PLENUM	INSUL	INSULATION
ALT	ALTERNATIVE	ISOL	ISOLAT(OR)(ION)
AL	ALUMINUM	KW	KILOWATT
APD	AIR PRESSURE DROP	KWH	KILOWATT HOUR
APPROX	APPROXIMATELY	L	LENGTH
ARCH	ARCHITECT(URAL)	LAT	LEAVING AIR TEMP
AUTO	AUTOMATIC	LB	POUND
BDD	BACKDRAFT DAMPER	LDB	LEAVING DRY BULB
BI	BACKWARD INCLINED	LF	LINEAR FEET
BLDG	BUILDING	LFT	LEAVING FLUID TEMPERATURE
BSMT	BASEMENT	LVG	LEAVING
BTU	BRITISH THERMAL UNIT	LWB	LEAVING WET BULB
BTUH	BRITISH THERMAL UNITS PER HOUR	LWT	LEAVING WATER TEMPERATURE
CFH	CUBIC FEET PER HOUR	MAX	MAXIMUM
CFM	CUBIC FEET PER MINUTE	MBH	THOUSAND BTU PER HOUR
CFS	CUBIC FEET PER SECOND	MECH	MECHANICAL
CLG	CEILING OR COOLING	MFR	MANUFACTURER
CONC	CONCRETE	MIN	MINIMUM
CONN	CONNECT(ION)	MISC	MISCELLANEOUS
CONT	CONTINUE(ED)(UATION)	MTD	MOUNTED
CL	CENTERLINE	NC	NORMALLY CLOSED
DDC	DIRECT DIGITAL CONTROL	NIC	NOT IN CONTRACT
DEFL	DEFLECTION	NO	NORMALLY OPEN
DN	DOWN	OAD	OUTSIDE AIR DAMPER
DP	DEW POINT	OC	ON CENTER DISTANCE
DWDI	DOUBLE WIDTH DOUBLE INLET	OSA	OUTSIDE AIR
DWG	DRAWING	PH	PHASE
EA	EXHAUST AIR	PP	POLYPROPYLENE
EAD	EXHAUST AIR DAMPER	PSI	POUNDS PER SQUARE INCH
EAT	ENTERING AIR TEMPERATURE	PVC	POLYVINYL CHLORIDE
EDB	ENTERING DRY BULB	PVS	PVC COATED STEEL
EFF	EFFICIENCY	R (RAD)	RADIUS
EFT	ENTERING FLUID TEMPERATURE	RA	RETURN AIR
ELEC	ELECTRIC(AL)	RAD	RETURN AIR DAMPER
ELEV	ELEVATION	REV	REVISION
ENGR	ENGINEER	RH	RELATIVE HUMIDITY
EQ	EQUAL	RPM	REVOLUTIONS PER MINUTE
EQUIP	EQUIPMENT	SA	SUPPLY AIR
ESP	EXTERNAL STATIC PRESSURE	SCFM	STANDARD CUBIC FEET PER MINUTE
EWB	ENTERING WET BULB	SD	SMOKE DAMPER
EWT	ENTERING WATER TEMPERATURE	SECT	SECTION
EX	EXTRACTOR	SENS	SENSIBLE
EXH	EXHAUST	SIM	SIMILAR
EXIST	EXISTING	SP	STATIC PRESSURE
EXP	EXPANSION	SPEC	SPECIFICATION
F	DEGREES FAHRENHEIT	SQ	SQUARE
FC	FORWARD CURVED	SF	SQUARE FOOT(FEET)
FIG	FIGURE	SQ IN	SQUARE INCH(ES)
FILT	FILTER	SS	STAINLESS STEEL
FLEX	FLEXIBLE	STL	STEEL
FPD	FLUID PRESSURE DROP	STRUCT	STRUCTUR(E)(AL)
FPM	FEET PER MINUTE	SWP	SINGLE WALL PLENUM
FPS	FEET PER SECOND	SWSI	SINGLE WIDTH SINGLE INLET
FT	FEET/FOOT	TEMP	TEMPERATURE
FTR	FINNED TUBE RADIATOR	TSP	TOTAL STATIC PRESSURE
FU	FIXTURE UNIT	TYP	TYPICAL
FUT	FUTURE	V	VOLTS
FV	FACE VELOCITY	VD	VOLUME DAMPER
GA	GAGE/GAUGE	VEL	VELOCITY
GAL	GALLON	VERT	VERTICAL
GALV	GALVANIZED	VFD	VARIABLE FREQUENCY DRIVE
GLY	GLYCOL	VTR	VENT THROUGH ROOF
GPH	GALLONS PER HOUR	W	WIDTH
GPM	GALLONS PER MINUTE	WG	WATER GAUGE
H	HEIGHT	WPD	WATER PRESSURE DROP
HORIZ	HORIZONTAL	WTD	WATER TEMPERATURE DROP
HP	HORSEPOWER	WTR	WATER TEMPERATURE RISE
HTG	HEATING	W/	WITH
ID	INSIDE(DIAMETER/DIMENSION)	W/O	WITHOUT

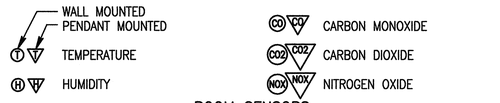
PLUMBING SYMBOLS

CO	CLEANOUT
WCO	WALL CLEANOUT
FCO	FLOOR CLEANOUT

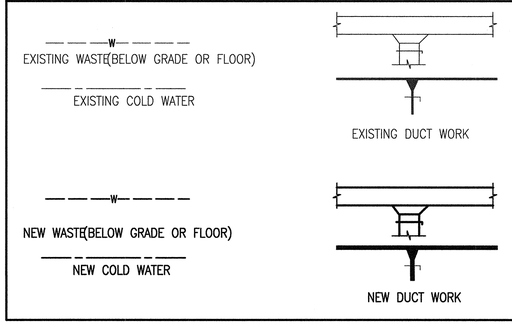
SYMBOLS

(A)	ACCESS PANEL
(B)	BELOW GRADE / FLOOR
(C)	CONNECT TO EXISTING
(E)	EXISTING TO REMAIN
(K)	CAP EXISTING / CAP FOR FUTURE
(R)	RELOCATE EXISTING
(X)	REMOVE EXISTING
(1)	NOTE

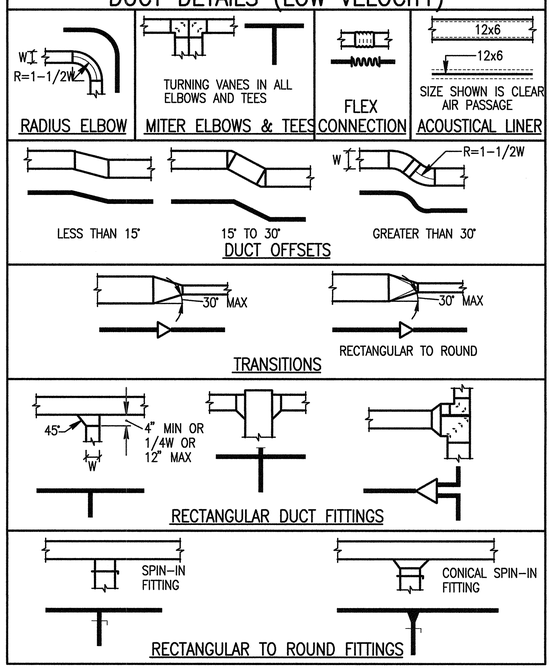
CALL OUT SYMBOLS



NEW AND EXISTING WORK



DUCT DETAILS (LOW VELOCITY)



GENERAL NOTE

THIS IS A STANDARD LEGEND SHEET, THEREFORE, SOME SYMBOLS MAY APPEAR ON THIS SHEET THAT DO NOT APPEAR ON THE DRAWINGS.

PIPING

W	W	WASTE (ABOVE GRADE OR FLOOR)
W	W	WASTE (BELOW GRADE OR FLOOR)
D	D	DRAIN (CONDENSATE/INDIRECT)
	V	VENT
	CW	COLD WATER
	HW	HOT WATER
	RHW	RECIRCULATING HOT WATER
LPS	LPS	LOW PRESSURE STEAM
LPR	LPR	LOW PRESSURE RETURN

MISC. VALVES & COCKS

	SHUT-OFF VALVE
	GLOBE VALVE
	CHECK VALVE
	2-WAY CONTROL VALVE
	3-WAY CONTROL VALVE
	BALANCING VALVE
S	SOLENOID VALVE
	PRESSURE REDUCING VALVE
MAV AAV	AIR VENT (MANUAL/AUTOMATIC)
	RELIEF VALVE
	STRAINER
	STRAINER W/ BLOWDOWN
F&T/IB	STEAM TRAP

DEMOLITION LEGEND

	REMOVE EXISTING DUCT
	REMOVE EXISTING PIPE

MISC. FITTINGS & SYMBOLS

	DIRECTION OF FLOW
	DIRECTION OF SLOPE
	PIPE SLEEVE
	REDUCER
	ANCHOR
	ELBOW (90°)
	ELBOW (45°)
	TEE
	CROSS
	PIPING CONNECTIONS
	JOINT OR COUPLING POINT
	UNION
	FLANGED CONNECTION
	CAP
	PLUG OR BLIND FLANGE
	RISER
	ELBOW UP
	ELBOW DOWN
	TEE UP
	TEE DOWN
	HORIZONTAL TEE
	FLEXIBLE CONNECTION
	BALL JOINT
MC	MECHANICAL COUPLING

REGISTERED PROFESSIONAL ENGINEER 18806 OREGON Sept 17 1980 JOHN C. YOUSEY
EXPIRES 06-30-14

Robertson | Sherwood | Architects pc
132 East Broadway, Suite 540
Eugene, Oregon 97401
P 541 | 342.8077
F 541 | 345.4302
www.robertsonsherwood.com

PAE
Portland | San Francisco | Seattle
pae-engineers.com
1328 East 22nd Avenue
Eugene, OR 97403

Edison Elementary School Office Relocation

LEGENDS, SYMBOLS, & ABBREVIATIONS - MECHANICAL

Drawn By	DR
Checked	JV
Date	17 APRIL 2014
Project	1321

M0.1

Date: 4/15/14 Time: 11:51am File: P:\2013\13-1787.00 - ESD Edison ES - Office Relocation\01 Drawings\CAD\13-1787 M01.dwg User: dony.rochi

PLUMBING FIXTURE SCHEDULE

ITEM	DESCRIPTION	ROUGH-IN SIZE (INCHES)					NOTES
		W	V	CW	HW	G	
WC-1	WATER CLOSET	4	2	1½	–	–	FLOOR MOUNT, TANK TYPE
S-1	SINK	2	1½	½	½	–	COUNTERTOP, ADA

PLUMBING DESIGN CRITERIA (Oregon)

DOMESTIC WATER PIPING SYSTEM
BASIS OF DESIGN: 2011 OREGON PLUMBING SPECIALTY CODE, APPENDIX A "RECOMMENDED RULES FOR SIZING THE WATER SUPPLY SYSTEM". PIPING SIZED ON 5 PSI/100 FT. DROP, VELOCITIES NOT TO EXCEED 8 FT/SEC. (COLD WATER) AND NOT TO EXCEED 5 FT/SEC. (HOT WATER).

WASTE AND VENT PIPING SYSTEM
BASIS OF DESIGN: 2011 OREGON PLUMBING SPECIALTY CODE, CHAPTER 7 "SANITARY DRAINAGE".
ALL WASTE PIPING SIZED AT ¼"/FT UNLESS OTHERWISE NOTED.

FIRE PROTECTION DESIGN CRITERIA

FIRE PROTECTION SPRINKLER DESIGN CRITERIA
RELOCATE AND REPLACE SPRINKLER HEADS AS NEEDED TO PROVIDE TOTAL COVERAGE PER NFPA 13.

CEILING SUPPLY DIFFUSERS (C-1)

CFM RANGE	SQUARE NECK SIZE (BASED ON: TITUS PMC)	SURFACE
0-125	6x6	13x13
126-220	8x8	15x15
221-345	10x10	17x17
346-500	12x12	19x19
501-780	16x16	23x23

RETURN AIR GRILLES (C-2)

CFM RANGE	SQUARE NECK SIZE (BASED ON: TITUS PAR)	SURFACE
0-340	10x10	12x12
341-780	15x15	17x17
781-1125	18x18	20x20
1129-1670	22x22	24x24
1671-3500	22x46	24x48

DESIGN CONDITIONS - EUGENE, OR

SPACE	WINTER		SUMMER	
	TEMPERATURE	HUMIDITY	TEMPERATURE	HUMIDITY
OUTDOOR	23.4° F DB	16.1° F DP / 12.6 HR / 26.9 ° F MCDB	91.7° F DB / 66.5° F MCWB	62.2° F DP / 84.8 HR / 74.6° F MCDB
INDOOR	70° F ± 2° F DB	50% RH MAX, NO MINIMUM	75° F ± 2° F DB	50% RH MAX, NO MINIMUM

GENERAL NOTES:
1. OUTDOOR CONDITIONS BASED ON ASHRAE FUNDAMENTALS 2013 99.6% AND 0.4% DATA.

ROOF VENTILATOR SCHEDULE

TAG NUMBER	LOCATION	SERVICE	TYPE	AIRFLOW CFM	AIRFLOW TSP (IN. WG)	THROAT SIZE (IN)	APPROX. WEIGHT (LBS)	MANUFACTURER & MODEL	NOTES
RV-101	NORTH WING	HRV-1	OSA	150	0.02	10x10	8	GREENHECK GRSI	
RV-102	NORTH WING	HRV-1	RELIEF	150	0.02	10x10	8	GREENHECK GRSR	

GENERAL NOTES:
A. WITH MANUFACTURER'S CURB AND BACKDRAFT DAMPER

DUCT HEATER SCHEDULE

TAG NUMBER	LOCATION	SERVICE	CFM	ELECTRIC HEATING COIL OUTPUT (kW)	ELECTRIC HEATING COIL VOLT/ PHASE	APPROX. WEIGHT (LBS)	MANUFACTURER & MODEL	NOTES
DH-1	ATTIC	ROOMS 102B&C, 103, 106	150	2	120/1	50	INDEECO	1

GENERAL NOTES:
A. MAINTAIN 36" CLEARANCE IN FRONT OF CONTROL/POWER PANEL.

NOTES:
1. SLIP-IN TYPE

CONVECTOR SCHEDULE

TAG NUMBER	LOCATION	TYPE	OUTPUT MBH	SIZE LxHxD	TRAP LBS/HR	BASED ON	NOTES
C-201	PRINCIPAL 102A	STEAM	12	38x32x6	26	TRANE SW	
C-202	SCHOOL OFFICE 102	STEAM	13	38x32x6	28	TRANE SW	1
C-203	SCHOOL OFFICE 102	STEAM	13	38x32x6	28	TRANE SW	1
C-204	ENTRY 100	STEAM	16	50x32x6	35	TRANE SW	
C-205	CONFERENCE 105	STEAM	9	32x32x6	20	TRANE SW	

GENERAL NOTES:
A. WALL-MOUNTED T-STAT AND CONTROL VALVE.
B. SELECTIONS BASED ON 10 PSI STEAM.

NOTES:
1. RELOCATE AND USE EXISTING UNIT VENTILATOR THERMOSTAT. ONE CONTROL VALVE TO SERVE BOTH UNITS.

VENTILATION SCHEDULE - MULTIPLE SPACES - ASHRAE

HRV-1

LOCATION	FLOOR AREA (SF)	PRIMARY AIRFLOW RATE (CFM)	OCCUPANCY CLASSIFICATION	PEOPLE OUTDOOR AIRFLOW RATE Rp (CFM/PERSON)	AREA OUTDOOR AIRFLOW RATE Ra (CFM/SF)	DEFAULT OCCUPANT DENSITY (PEOPLE/1000SF)	CODE POPULATION	DESIGN POPULATION	OUTDOOR AIRFLOW RATE Vbz (CFM)	ZONE AIR DISTRIBUTION EFFECTIVENESS Ez	OUTDOOR AIR INTAKE Voz (CFM)	PRIMARY OUTDOOR AIR FRACTION Zp	NOTES
105 READING INTERVENTION	209	66	Conference/meeting	5	0.06	50	10.5	8.0	52.5	0.8	66	1.00	
105 NURSE	145	24	Office space	5	0.06	5	0.7	2.0	18.7	0.8	24	1.00	
115 READING INTERVENTION	62	18	Conference/meeting	5	0.06	50	3.1	2.0	13.7	0.8	18	1.00	
TOTALS:	416	108					14	12	85		108	Zp max = 1.00	

TOTAL AIRFLOW: 108
SYSTEM POPULATION: 12
SYSTEM VENTILATION EFFICIENCY - Ev: 0.79
OCCUPANT DIVERSITY - D: 1.00
UNCORRECTED OUTDOOR AIR INTAKE - Vou: 85
STANDARD REQUIRED OUTDOOR AIR INTAKE FLOWRATE - Vot: 108

GENERAL NOTES:
1. SYSTEM OUTDOOR AIR CALCULATION IS BASED ON CHAPTER 6 OF THE ASHRAE STANDARD 62.1-2007.
2. REFER TO AIR HANDLING UNIT SCHEDULE FOR ACTUAL OUTDOOR AIR FLOW RATE.

NOTES:
A. DESIGN OCCUPANCY REPRESENTS THE ACTUAL OCCUPANCY DOCUMENTED ON THE PLANS.

REGISTERED PROFESSIONAL ENGINEER
18806
OREGON
Sept 17 1985
JOHN C. YOUSEY
EXPIRES 06-30-14

Robertson | Sherwood Architects pc
132 East Broadway, Suite 540
Eugene, Oregon 97401
www.robertsonsherwood.com
P 541 | 342.8077
F 541 | 345.4302
1328 East 22nd Avenue
Eugene, OR 97403

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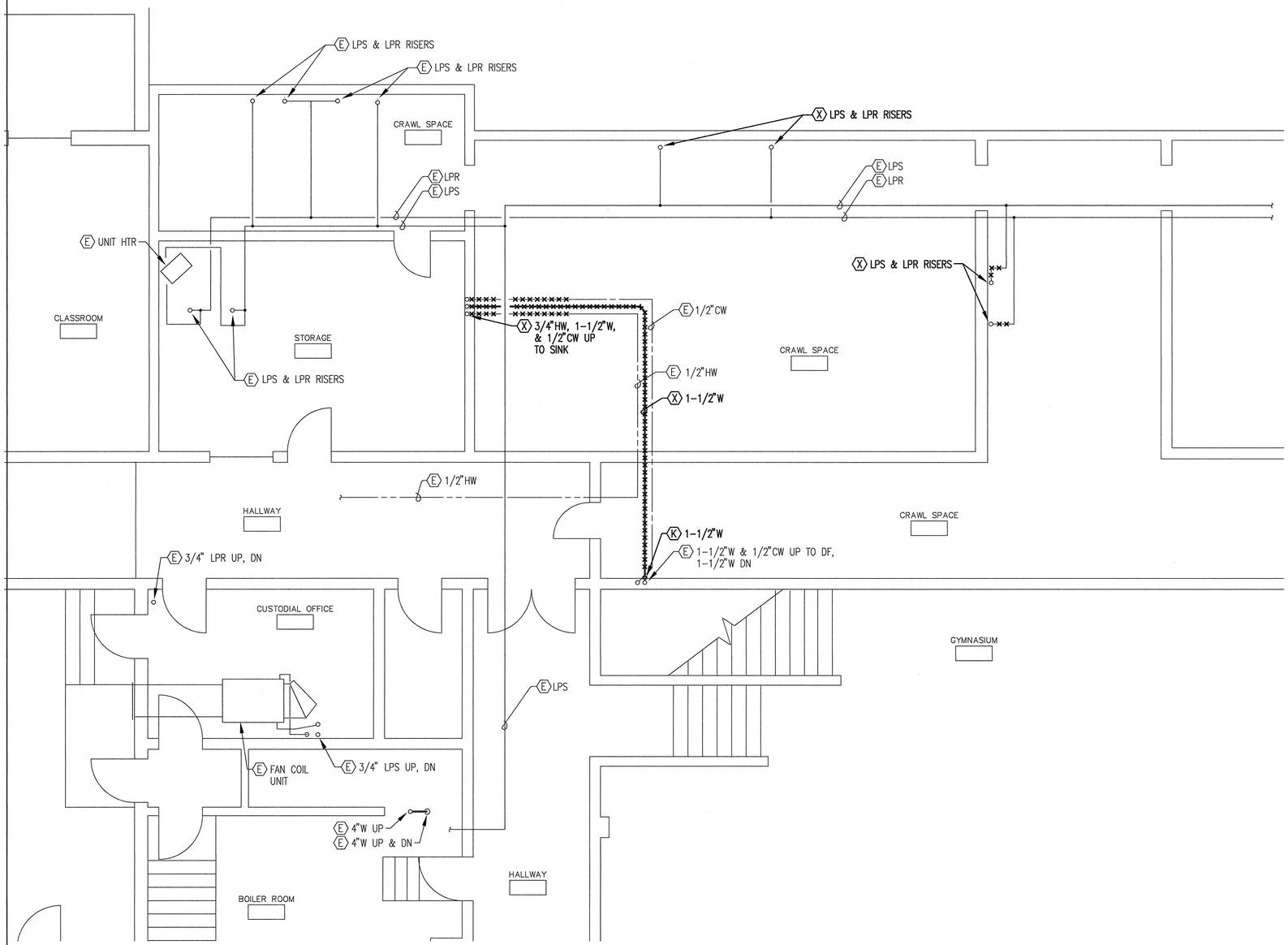
EQUIPMENT SCHEDULES - MECHANICAL

Drawn By: DR
Checked: JY
Date: 17 APRIL 2014
Project: 1321

M0.2

Date: 4/15/14 Time: 11:51am File: P:\2013\13-1787.00 - ESD Edison ES - Office Relocation\01 Drawings\CAD\13-1787 M02.dwg User: dany.rochi



1 M1.1 MECHANICAL DEMOLITION PLAN - LOWER LEVEL

1/4" = 1'-0"

NORTH

GENERAL NOTES:

A. VERIFY EXISTING CONDITIONS PRIOR TO BEGINNING OF WORK. PRIOR TO PROCEEDING WITH WORK NOTIFY ARCHITECT ABOUT ANY DISCREPANCIES BETWEEN THE DESIGN DOCUMENTS AND FIELD CONDITIONS.

B. AFTER COMPLETING DEMO WORK, VERIFY THAT ALL SERVICES TO THE AREAS NOT INCLUDED IN THE DEMO SCOPE AREA ARE FUNCTIONAL.

D. PATCH AND REPAIR ALL OPENINGS MADE BY REMOVALS.

E. DEMOLITION WORK SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING : REMOVAL OF SUPPORTS, ANCHORS, PIPING, AND ALL APPURTENANCES WHERE INDICATED ON THE PLANS.

F. REMOVE MECHANICAL PIPING AND ASSOCIATED ITEMS AS SHOWN OR RELATED TO EQUIPMENT TO BE REMOVED. CAP PIPING AT NEAREST LIVE BRANCH.

REGISTERED PROFESSIONAL ENGINEER
18806
OREGON
SEPT 17 1985
JOHN C. YOUSEY
EXPIRES 06-30-14

Robertson | Sherwood | Architects pc
132 East Broadway, Suite 540
Eugene, Oregon 97401
P 541 | 342.8077
F 541 | 345.4302
www.robertsonsherwood.com

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pae-engineers.com

1328 East 22nd Avenue
Eugene, OR 97403

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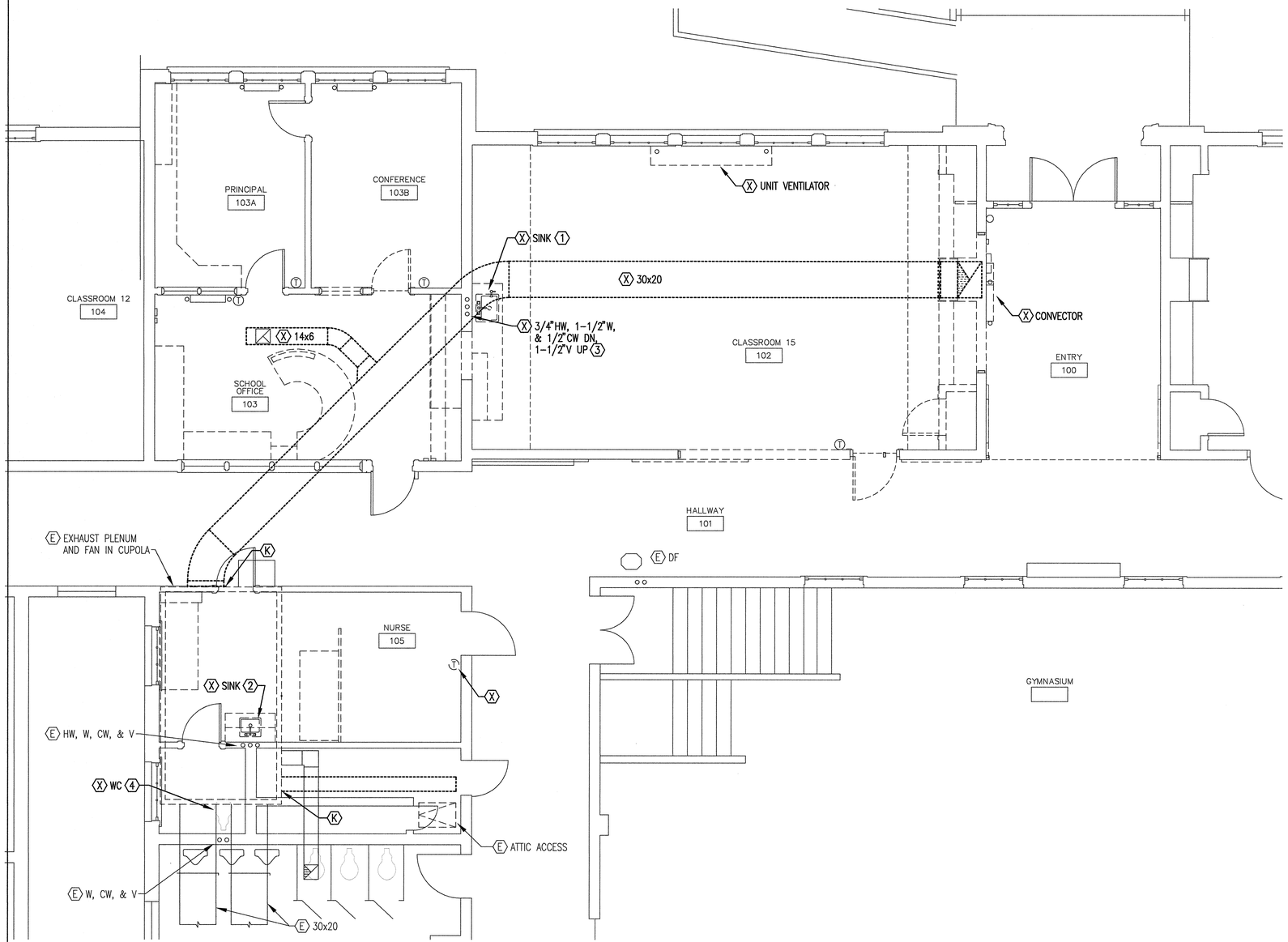
MECHANICAL DEMOLITION PLAN - LOWER LEVEL

Drawn By	DR
Checked	JY
Date	17 APRIL 2014
Project	1321

M1.1

Date: 4/15/14 Time: 11:51am File: P:\2013\13-1787.00 - ESD Edison ES - Office Relocation\01 Drawings\CAD\13-1787 M11.dwg User: dony.rochi



1 / M1.2 MECHANICAL DEMOLITION PLAN - MECHANICAL

1/4" = 1'-0"

NORTH

GENERAL NOTES:

A. VERIFY EXISTING CONDITIONS PRIOR TO BEGINNING OF WORK. PRIOR TO PROCEEDING WITH WORK NOTIFY ARCHITECT ABOUT ANY DISCREPANCIES BETWEEN THE DESIGN DOCUMENTS AND FIELD CONDITIONS.

B. AFTER COMPLETING DEMO WORK, VERIFY THAT ALL SERVICES TO THE AREAS NOT INCLUDED IN THE DEMO SCOPE AREA ARE FUNCTIONAL.

C. REVISE SPRINKLER HEAD LOCATIONS AND PIPING LAYOUT TO PROVIDE TOTAL COVERAGE PER NFPA 13. COORDINATE NEW SPRINKLER HEAD LOCATIONS WITH ARCHITECTURAL CEILING PLANS AND CEILING MOUNTED DEVICES AND DIFFUSERS. COORDINATE SPRINKLER TYPES (PENDANT VS. UPRIGHT) IN AREAS WHERE CEILINGS HAVE BEEN REMOVED OR WHERE CEILING TYPES HAVE CHANGED. PROVIDE NEW SPRINKLER HEADS AS REQUIRED AND CONNECT TO EXISTING SPRINKLER MAINS.

D. PATCH AND REPAIR ALL OPENINGS MADE BY REMOVALS.

E. DEMOLITION WORK SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING : REMOVAL OF EQUIPMENT, SUPPORTS, ANCHORS, PIPING, DUCTWORK AND ALL APPURTENANCES WHERE INDICATED ON THE PLANS.

F. REMOVE MECHANICAL EQUIPMENT, DUCTS, PIPING AND ASSOCIATED ITEMS AS SHOWN OR RELATED TO EQUIPMENT TO BE REMOVED. CAP DUCTWORK OR PIPING AT NEAREST LIVE BRANCH.

⬡ NOTES:

1. REMOVE EXISTING PLUMBING FIXTURE AND ASSOCIATED FAUCET. DEMO WASTE PIPING IN AND BELOW FLOOR AND CAP AT MAIN. DEMO VENT PIPING TO PENETRATION THROUGH ROOF. RE-USE EXISTING ROOF PENETRATION FOR NEW VENT PIPING. DEMO HOT AND COLD WATER PIPING TO BELOW FLOOR AND CAP FOR CONNECTION TO NEW SINK.

2. REMOVE EXISTING PLUMBING FIXTURE AND ASSOCIATED FAUCET. REMOVE P-TRAP & EXPOSED WASTE AND SUPPLIES. DEMO HOT WATER, COLD WATER, AND WASTE PIPING TO WALL AND CAP IN WALL. ABANDON VENT PIPING.

3. EXISTING PENETRATIONS FOR 1-1/2" TO BE ENLARGED TO ACCOMMODATE NEW 2" VENT LINE SERVING NEW ADJACENT TOILET.

4. REMOVE EXISTING WALL-MOUNTED WATER CLOSET AND ASSOCIATED FLUSH VALVE. DEMO COLD WATER AND WASTE PIPING TO WALL AND CAP. ABANDON VENT PIPING IN WALL.

REGISTERED PROFESSIONAL ENGINEER
18806
OREGON
SEPT 17 1985
JOHN C. YOUSEN
EXPIRES 06-30-14
4-15-14

Robertson | Sherwood | Architects pc
132 East Broadway, Suite 540
Eugene, Oregon 97401
P 541 | 342.8077
F 541 | 345.4302
www.robertsonsherwood.com
1328 East 22nd Avenue
Eugene, OR 97403

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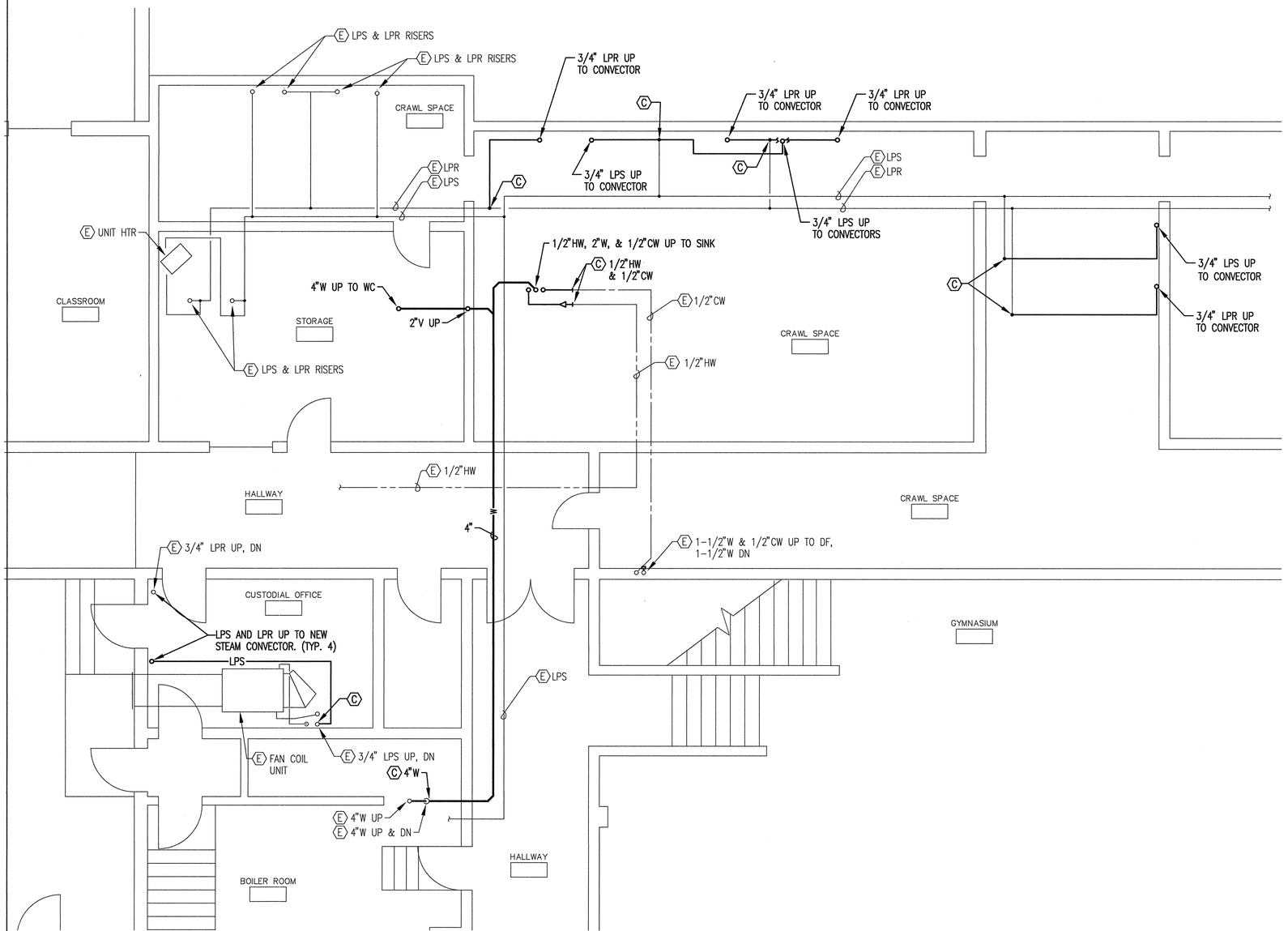
MECHANICAL DEMOLITION PLAN

Drawn By	DR
Checked	JY
Date	17 APRIL 2014
Project	1321

M1.2

Date: 4/15/14 Time: 11:51am File: P:\2013\13-1787.00 - ESD Edison ES - Office Relocation\01 Drawings\CAD\13-1787 M12.dwg User: danyr.rochi



1 M2.1 **MECHANICAL FLOOR PLAN - LOWER LEVEL**

1/4" = 1'-0"

NORTH

GENERAL NOTES:

A. PROVIDE ACCESS PANELS FOR ALL SHUTOFF VALVES AND SHOCK ARRESTORS IN NON-ACCESSIBLE CEILING AREAS OR WALLS IN ACCORDANCE WITH CODE.

B. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF ALL PLUMBING FIXTURES.

C. ALL WORK SHALL BE COORDINATED WITH ALL TRADES INVOLVED. OFFSETS IN PIPING AND TRANSITIONS AROUND OBSTRUCTIONS SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.

D. VERIFY ALL EQUIPMENT CONNECTIONS WITH MANUFACTURER'S CERTIFIED DRAWINGS.

E. ALL DETAILS APPLY TO THIS SHEET WHETHER TAGGED OR NOT.

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18806
OREGON
SEPT 17 1985
JOHN C. YOUSEY
EXPIRES 06-30-14
4-15-14

Robertson | Sherwood | Architects pc
132 East Broadway, Suite 540
Eugene, Oregon 97401
P 541 | 342.8077
F 541 | 345.4302
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MECHANICAL FLOOR PLAN - LOWER LEVEL

Drawn By	DR
Checked	JY
Date	17 APRIL 2014
Project	1321

M2.1

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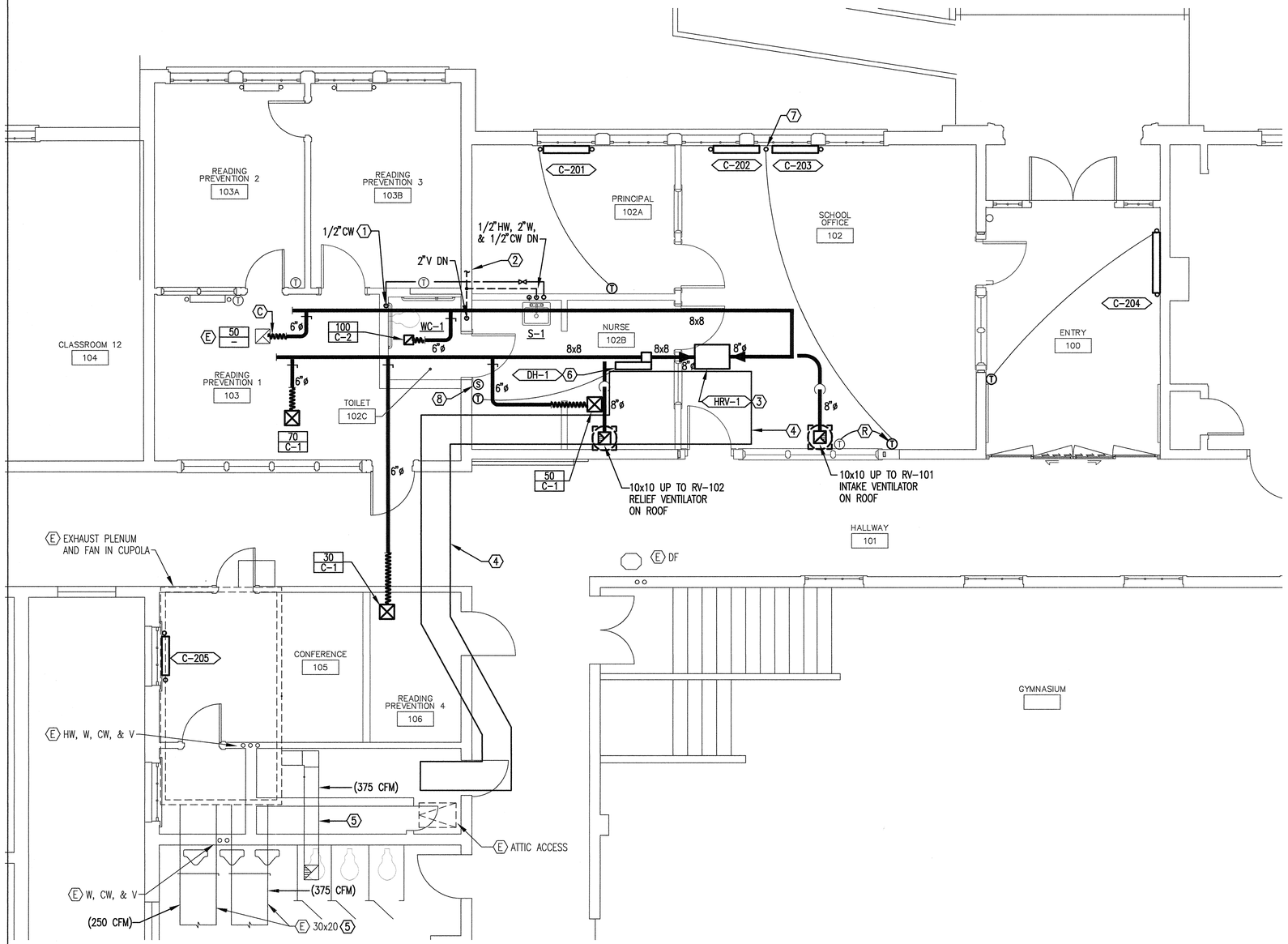

1 M2.2 MECHANICAL FLOOR PLAN - UPPER LEVEL

1/4" = 1'-0"

NORTH

FIRE SPRINKLER GENERAL NOTES:

A. REVISE SPRINKLER HEAD LOCATIONS AND PIPING LAYOUT TO PROVIDE TOTAL COVERAGE PER NFPA 13. COORDINATE NEW SPRINKLER HEAD LOCATIONS WITH ARCHITECTURAL CEILING PLANS AND CEILING MOUNTED DEVICES AND DIFFUSERS. COORDINATE SPRINKLER TYPES (PENDANT VS UPRIGHT) IN AREAS WHERE CEILINGS HAVE BEEN REMOVED OR WHERE CEILING TYPES HAVE CHANGED. PROVIDE NEW SPRINKLER HEADS IN THE ENTIRE WORK AREA, INCLUDING ATTIC SPACE ABOVE THE WORK AREA. CONNECT TO EXISTING SPRINKLER MAINS.

B. WORK AREA SHALL INCLUDE ROOMS 100, 102, 102A, 102B, 102C, 103, 103A, 103B, 105, 106 AND ATTIC ABOVE THOSE ROOMS.

PLUMBING GENERAL NOTES:

A. PROVIDE ACCESS PANELS FOR ALL SHUTOFF VALVES AND SHOCK ARRESTORS IN NON-ACCESSIBLE CEILING AREAS OR WALLS IN ACCORDANCE WITH CODE.

B. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF ALL PLUMBING FIXTURES.

HVAC GENERAL NOTES:

A. PROVIDE VOLUME DAMPER AT EACH BRANCH OUTLET/INLET.

B. RUN DUCTS AND PIPING CONCEALED, UNLESS SPECIFIED OTHERWISE, AND CLEAR OF CEILING INSERTS. ALL DUCTWORK SHALL BE INSTALLED AS CLOSE AS POSSIBLE TO WALL AND UNDERSIDE OF BEAMS AND JOISTS.

C. ALL WORK SHALL BE COORDINATED WITH ALL TRADES INVOLVED. OFFSETS IN PIPING AND DUCTS (INCLUDING DIVIDED DUCTS) AND TRANSITIONS AROUND OBSTRUCTIONS SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.

D. VERIFY ALL EQUIPMENT CONNECTIONS WITH MANUFACTURER'S CERTIFIED DRAWINGS. VERIFY AND PROVIDE DUCT TRANSITIONS TO FURNISHED EQUIPMENT. FIELD VERIFY AND COORDINATE ALL DIMENSIONS BEFORE FABRICATION.

E. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF AIR DEVICES.

F. ALL DETAILS APPLY TO THIS SHEET WHETHER TAGGED OR NOT.

G. DUCTWORK, DUCT HEATER AND HEAT RECOVERY VENTILATOR SHALL BE LOCATED IN ATTIC SPACE.

NOTES:

1. ROUTE CW IN WALL TO WATER CLOSET.

2. ROUTE 2"VENT LINE UP THRU ROOF. USE EXISTING ROOF PENETRATION.

3. PROVIDE WOODEN PLATFORM FOR SUPPORT OF EQUIPMENT 24" ABOVE SERVICE PLATFORM. SECURE PLATFORM TO ATTIC FLOOR JOISTS. COORDINATE LOCATION WITH SPRINKLER PIPING AND HEADS.

4. PROVIDE PLYWOOD SERVICE ACCESS CATWALK, 24" MIN WIDTH. RAISE CATWALK ABOVE EXISTING SPRINKLER PIPING AND ELECTRICAL CONDUIT. MAINTAIN ACCESS TO SAME. PROVIDE 60" MIN WIDTH SERVICE PLATFORM IN FRONT OF HRV AND DUCT HEATER.

5. ADJUST DAMPERS TO MAINTAIN INDICATED EXISTING EXHAUST AIRFLOW IN CLASSROOMS AND RESTROOMS SERVED BY EXHAUST FAN LOCATED IN CUPOLA.

6. SUPPORT DUCT HEATER AND CONNECTING DUCTWORK FROM ATTIC JOISTS ABOVE.

7. LOCATE CONTROL VALVE IN CRAWL SPACE DIRECTLY BELOW.

8. PROGRAMMABLE TIME SWITCH FOR HRV.

REGISTERED PROFESSIONAL ENGINEER
18806
OREGON
Sept 17 1985
JOHN C. YOUSEY
EXPIRES 06-30-14

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132 East Broadway, Suite 540
Eugene, Oregon 97401
P 541|342.8077
F 541|345.4302
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1328 East 22nd Avenue
Eugene, OR 97403

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MECHANICAL FLOOR PLAN
UPPER LEVEL

Drawn By	DR
Checked	JY
Date	17 APRIL 2014
Project	1321

M2.2

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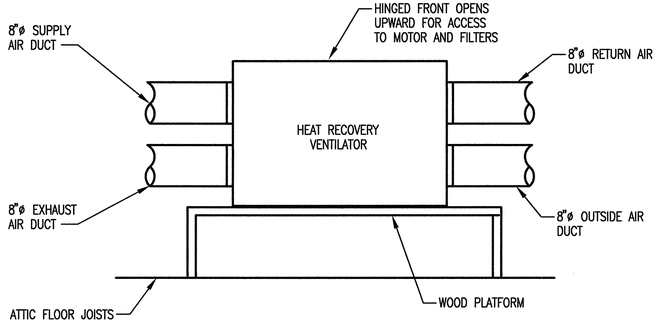
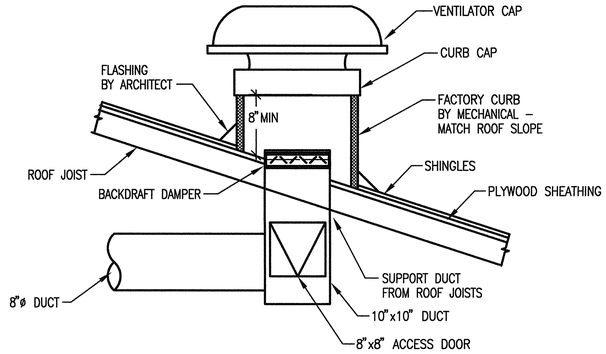
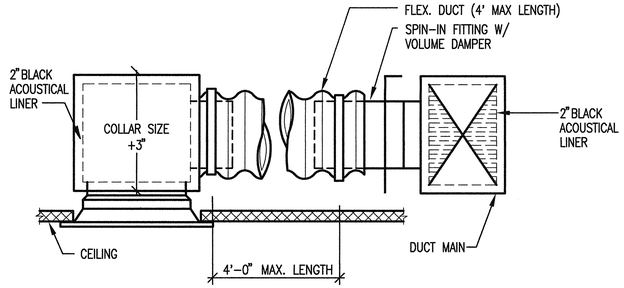


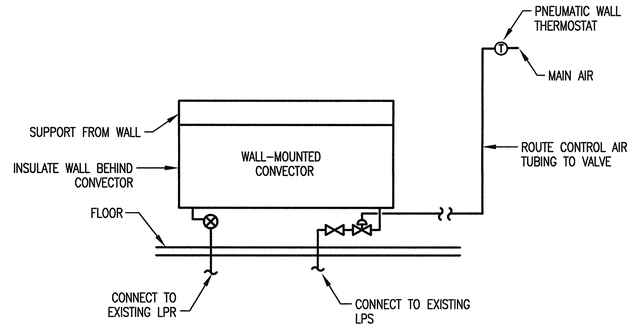
4 M5.1 HEAT RECOVERY VENTILATOR
SCALE: NONE



1 M5.1 GRAVITY VENTILATOR
SCALE: NONE



2 M5.1 TYPICAL SQUARE NECK DIFFUSER OR GRILLE
SCALE: NONE



3 M5.1 STEAM CONVECTOR
SCALE: NONE

REGISTERED PROFESSIONAL ENGINEER
18806
OREGON
SEPT 17 1985
JOHN C. YOUSEY
EXPIRES 06-30-14
4-15-14

Robertson | Sherwood Architects pc
132 East Broadway, Suite 540
Eugene, Oregon 97401
P 541 | 342.8077
F 541 | 345.4302
www.robertsonsherwood.com
1328 East 22nd Avenue
Eugene, OR 97403

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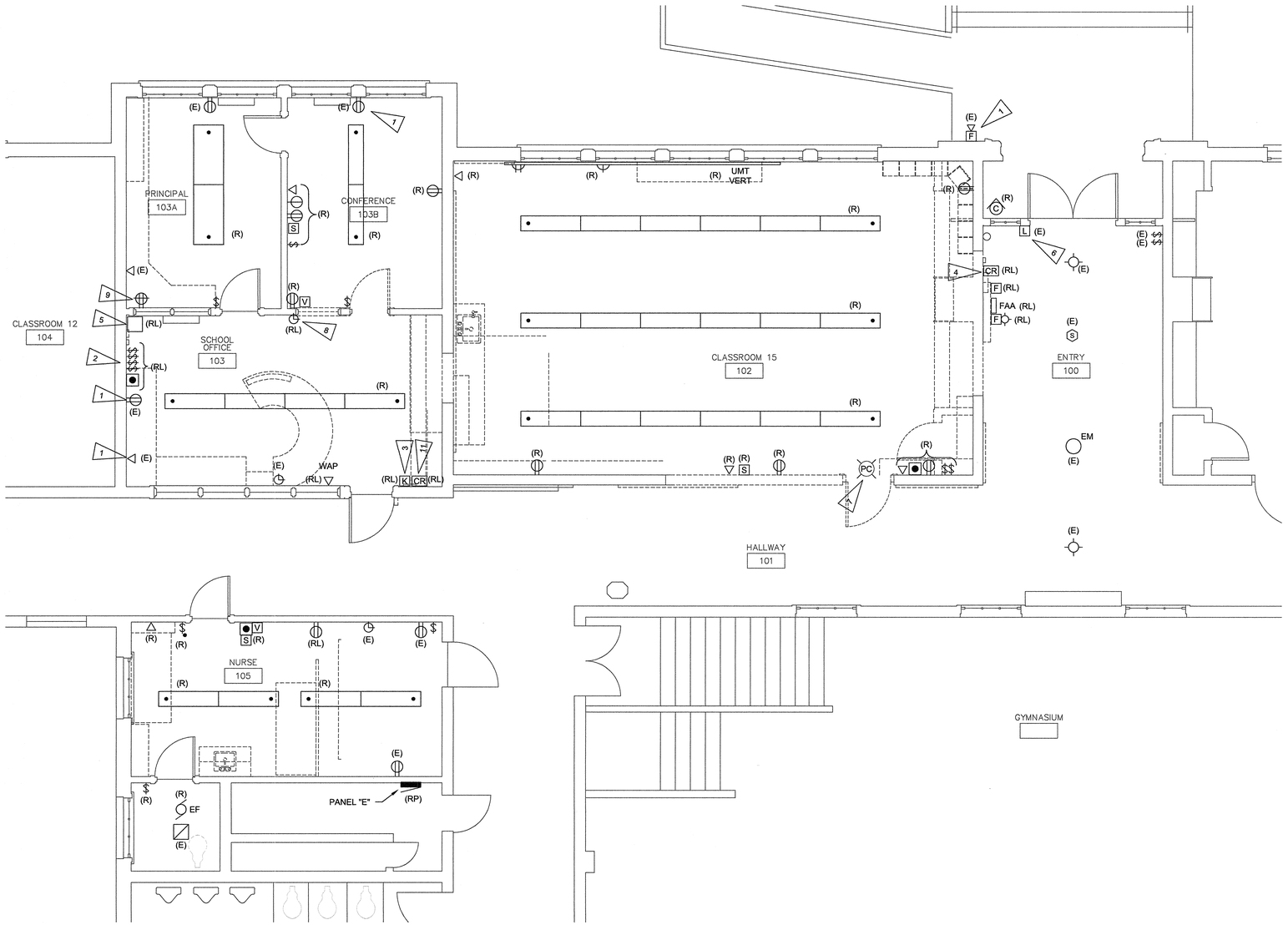
DETAILS - MECHANICAL

Drawn By	Checked	Date	Project
DR	JY	17 APRIL 2014	1321

M5.1

Date: 4/15/14 Time: 11:51am File: P:\2013\13-1787.00 - ESD Edison ES - Office Relocation\01 Drawings\CAD\13-1787 M51.dwg User: danyrochi



A E1.1 **ELECTRICAL DEMOLITION PLAN**

1/4" = 1'-0"

NORTH

GENERAL DEMOLITION PLAN NOTES

A. ALL WORK TO CONFORM TO ALL CURRENT APPLICABLE CODE AND REGULATIONS, INCLUDING OREGON STRUCTURAL SPECIALTY CODE (OSSC), OREGON MECHANICAL SPECIALTY CODE (OMSC), OREGON PLUMBING SPECIALTY CODE (OPSC), OREGON ENERGY EFFICIENCY SPECIALTY CODE (OEESC), OREGON FIRE CODE (OFC), AND CURRENT ELECTRICAL CODE.

B. FIELD VERIFY ALL CONDITIONS PRIOR TO BEGINNING WORK. IMMEDIATELY NOTIFY OWNER UPON DISCOVERY OF ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS.

C. DIMENSIONS ARE TO FACE OF FINISH, U.O.N.

D. DEMOLITION PLAN DESCRIBES IN GENERAL REQUIRED DEMOLITION WORK. CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION REQUIRED TO COMPLETE NEW WORK AS SHOWN ON DRAWINGS OR AS SPECIFIED.

E. PATCH EXISTING SURFACES AFFECTED BY DEMOLITION WORK TO MATCH ADJACENT, U.O.N. REFINISH AS SCHEDULED.

F. ALL DEVICES AND FIXTURES SHOWN ARE TO BE REMOVED EXCEPT AS NOTED EXISTING TO REMAIN (E).

G. WHERE DEVICES ARE REMOVED ALSO REMOVE ALL ASSOCIATED WIRING AND SURFACE RACEWAY.

KEYED DEMOLITION PLAN NOTES

1. EXISTING WIREMOLD RACEWAY SERVING THIS DEVICE WILL REMAIN. REMOVE ALL OTHER SURFACE RACEWAY SERVING DEVICES BEING REMOVED.
2. FOUR EXISTING EMERGENCY EVACUATION SWITCHES AND EMERGENCY PUSHBUTTON TO BE RELOCATED TO NEW OFFICE. INSTALL NEW WIRING BETWEEN NEW SWITCH LOCATION AND NEW INTERCOM EQUIPMENT CABINET AS REQUIRED.
3. HID PUSHBUTTON KEYPAD TO BE RELOCATED TO NEW OFFICE. RECONNECT TO EXISTING DOOR LOCK SYSTEM.
4. HID CARD READER TO BE RELOCATED TO OPPOSITE SIDE OF ENTRY VESTIBULE. RECONNECT TO EXISTING DOOR LOCK SYSTEM.
5. RELOCATE EXISTING TELECOR EQUIPMENT CABINET TO IDF ROOM BELOW. REROUTE INTERCOM SYSTEM CABLE, LOCATED BEHIND CABINET TO NEW TERMINAL CABINET AT CEILING OF IDF ROOM. SEE DRAWING E1.2.
6. EXISTING DOOR LOCK ASSEMBLY TO REMAIN. CONTROL FROM PUSHBUTTON AT OFFICE.
7. EXISTING REMOTE INDICATOR LIGHT FOR EMERGENCY BALLAST TO BE REMOVED.
8. RELOCATE EXISTING DIGITAL CLOCK TO NEW OFFICE. SEE DRAWING E1.2.
9. REFEED EXISTING FOURPLEX OUTLET TO BE REFED WITH WIREMOLD FROM CRAWL SPACE BELOW.
10. EXISTING PENDANT MOUNTED FIXTURE TO BE RELOCATED. EXTEND EXISTING BRANCH CIRCUIT IN ATTIC TO NEW FIXTURE LOCATION.
11. EXISTING SECURITY SYSTEM KEYPAD TO BE RELOCATED TO NEW OFFICE.

LEGEND

	PENDANT FLUORESCENT BOWL	WAP	WIRELESS ACCESS POINT
	WALL MOUNTED EXIT SIGN	OP	DOOR OPERATOR
	PENDANT MOUNTED FLUORESCENT		ELECTRICAL PANEL
	RECESSED FLUORESCENT		SURFACE MULTI OUTLET ASSEMBLY
	SURFACE MOUNTED FLUORESCENT	V	VOLUME CONTROL
EM	REMOTE EMERGENCY LAMP	S	SPEAKER
D	0-10 VDC DIMMER		CALL OR DOOR RELEASE PUSHBUTTON
OS	WALL MOUNTED OCCUPANCY SENSOR		NETWORK FACEPLATE
OS	CEILING MOUNTED OCCUPANCY SENSOR	K	KEYPAD
$	SINGLE POLE SWITCH	L	ELECTRIC LOCK CONNECTION
	DUPLEX OUTLET	D	DOOR OPERATOR PUSH PAD
	FOURPLEX OUTLET	C	CAMERA
	DUPLEX OUTLET ABOVE CONTER	RC	REMOTE INDICATOR
GFI	GFCI DUPLEX RECEPTACLE	P	DOOR PUSHBUTTON
	CLOCK	CR	CARD READER
	MOTOR CONNECTION		
(E)	EXISTING TO REMAIN		
(R)	EXISTING TO REMOVED		
(RL)	EXISTING TO RELOCATED		
(NL)	NEW LOCATION		
(RP)	REPLACE		
2	NOTE REFERENCE		
F	FIRE ALARM PULL STATION		
F	FIRE ALARM HORN		
F	FIRE ALARM STROBE		
FAA	FIRE ALARM ANNUNCIATOR PANEL		
S	AREA SMOKE DETECTOR		

REGISTERED PROFESSIONAL ENGINEER 12699 OREGON JAMES P. KRUMSICK SEPT. 21, 1984

Digitally signed by: James Krumsick

EXPIRES 6/30/2015

Robertson | Sherwood Architects pc
132 East Broadway, Suite 540
Eugene, Oregon 97401
P 541 | 342.8077
F 541 | 345.4302
www.robertsonsherwood.com
1328 East 22nd Avenue
Eugene, OR 97403

Paradigm Engineering
James Krumsick P.E. LEED AP
85193 Appletree Drive
Eugene, Or. 97405
541 285 1680
jkrumsick@q.com

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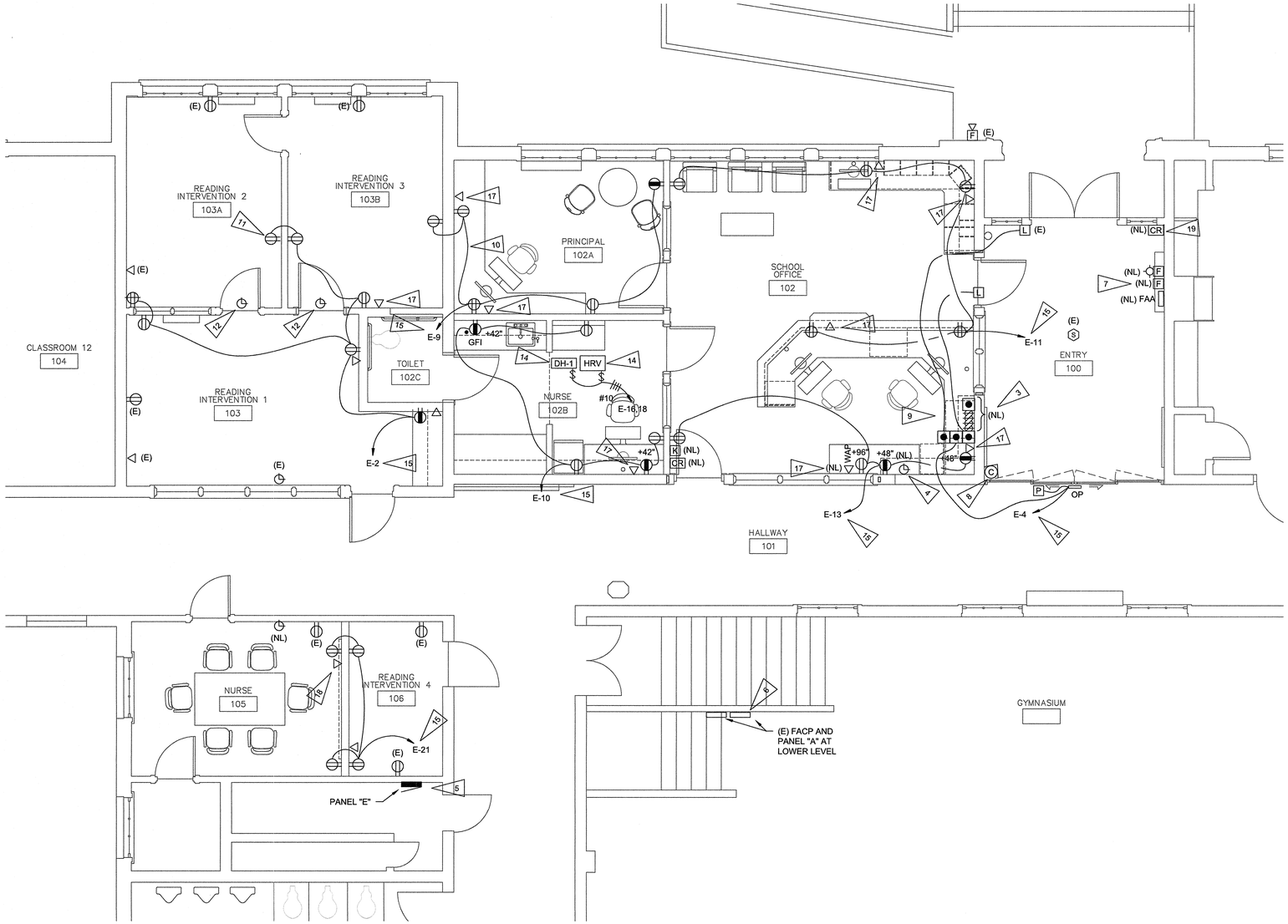
ELECTRICAL DEMOLITION PLAN

Drawn By	RGM
Checked	JK
Date	17 APR 2014
Project	1321

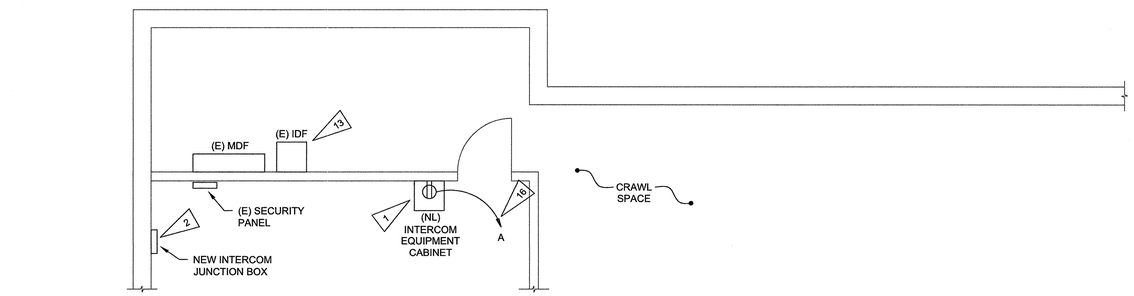
E1.1



A E1.2 FLOOR PLAN - POWER & SIGNAL

1/4" = 1'-0"

NORTH



B E1.2 PARTIAL CRAWL SPACE PLAN

1/4" = 1'-0"

NORTH

GENERAL FLOOR PLAN NOTES

A. ALL WORK TO CONFORM TO ALL CURRENT APPLICABLE CODE AND REGULATIONS, INCLUDING OREGON STRUCTURAL SPECIALTY CODE (OSSC), OREGON MECHANICAL SPECIALTY CODE (OMSC), OREGON PLUMBING SPECIALTY CODE (OPSC), OREGON ENERGY EFFICIENCY SPECIALTY CODE (OEESC), OREGON FIRE CODE (OFC), AND CURRENT ELECTRICAL CODE.

B. FIELD VERIFY ALL CONDITIONS PRIOR TO BEGINNING WORK. IMMEDIATELY NOTIFY OWNER UPON DISCOVERY OF ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS.

C. DIMENSIONS ARE TO FACE OF FINISH, U.O.N.

KEYED FLOOR PLAN NOTES

1. NEW LOCATION FOR INTERCOM EQUIPMENT CABINET. RUN NEW WIRING FOR EACH INTERCOM ZONE FROM NEW TERMINAL CABINET AT CEILING (SEE NOTE 2) AND EQUIPMENT CABINET. RUN NEW WIRING BETWEEN EQUIPMENT CABINET AND TELEPHONE SWITCH AND BETWEEN EQUIPMENT CABINET AND EMERGENCY EVACUATION SWITCHES AND PUSHBUTTON AND DIGITAL CLOCK LOCATED IN THE NEW OFFICE.
2. INSTALL 24" X 24" X 6" TERMINAL CABINET HIGH ON WALL. REROUTE INTERCOM ZONE WIRING FROM EXISTING INTERCOM EQUIPMENT LOCATION AT FLOOR ABOVE TO NEW TERMINAL CABINET. TERMINATE WIRING AND EXTEND NEW WIRING TO EQUIPMENT CABINET LOCATION PER NOTE #1.
3. NEW LOCATION FOR (4) EMERGENCY EVACUATION SWITCHES AND (1) PUSHBUTTON STATION. AT +48" INSTALL 4 GANG DECORA LABELED FACEPLATE RUN NEW WIRING BETWEEN NEW SWITCHES AND INTERCOM EQUIPMENT CABINET AT LADDER LEVEL.
4. NEW LOCATION FOR DIGITAL CLOCK AT +48". HOME RUN TO RELOCATED INTERCOM EQUIPMENT CABINET.
5. EXISTING PANEL E. USE (3) SPARE 20/1 CIRCUIT BREAKERS TO SERVE NEW RECEPTACLE CIRCUITS.
6. EXISTING FCI 7200 FIRE ALARM PANEL.
7. RELOCATE EXISTING FIRE ALARM DEVICES TO LOCATIONS SHOWN. REROUTE EXISTING FIRE ALARM WIRING TO NEW ANNUNCIATOR PANEL IN CRAWL SPACE TO RUN WIREMOLD NEW DEVICE LOCATIONS.
8. PROVIDE ROUGH IN FOR FUTURE IP CORNER MOUNTED CAMERA. HOME RUN CAT 6 CABLE TO IDF LOCATION IN CRAWL SPACE BELOW.
9. INSTALL PUSHBUTTONS ABOVE COUNTER AT +48" CONTROLLING NEW DOOR OPERATOR AND NEW AND EXISTING DOOR LOCK. USE 3 GANG DECORA LABELED FACEPLATE.
10. RUN SURFACE METAL RACEWAY BELOW COUNTER TO NEW OUTLET ON EXISTING WALL. REFEED OUTLET ON OPPOSITE SIDE OF WALL THROUGH THIS RACEWAY.
11. FEED NEW SURFACE OUTLETS WITH WIREMOLD FROM CRAWL SPACE BELOW.
12. NEW PROGRAM CLOCK. EXTEND EXISTING CLOCK SYSTEM WIRING TO NEW CLOCK.
13. HOME RUN NEW NETWORK WIRING TO SPARE PORT ON EXISTING IDF PATCH PANEL. ROUTE CABLE EXPOSED THROUGH CRAWL SPACE AND FEED NETWORK FACEPLATES FROM FLOOR BELOW.
14. PROVIDE ELECTRICAL CONNECTION TO NEW MECHANICAL EQUIPMENT IN ATTIC.
15. REROUTE EXISTING CIRCUIT IMPACTED BY DEMOLITION TO NEW RECEPTACLES.
16. INSTALL NEW 20/1 CIRCUIT BREAKER IN EXISTING PANEL "A" AND RUN DEDICATED CIRCUIT TO NEW INTERCOM EQUIPMENT RACK LOCATION.
17. INSTALL 4 SQUARE BOX WITH MUDRING ADJACENT TO ELECTRICAL OUTLET AND STUB 3/4" CONDUIT INTO BASEMENT CRAWL SPACE BELOW AT EACH NETWORK FACEPLATE LOCATION.
18. SAME AS NOTE 17 EXCEPT HOME RUN 3/4" CONDUIT AT CEILING TO EXISTING IDF.
19. REFEED RELOCATED CARD READER WITH WIREMOLD FROM CRAWL SPACE BELOW.

REGISTERED PROFESSIONAL ENGINEER 12699
Digitally signed by: James Krumsick
OREGON
SEPT. 21, 1984
JAMES P. KRUMSICK
EXPIRES 6/30/2015

Robertson | Sherwood | Architects pc
132 East Broadway, Suite 540
Eugene, Oregon 97401
P 541 | 342.8077
F 541 | 345.4302
www.robertsonsherwood.com
1328 East 22nd Avenue
Eugene, OR 97403

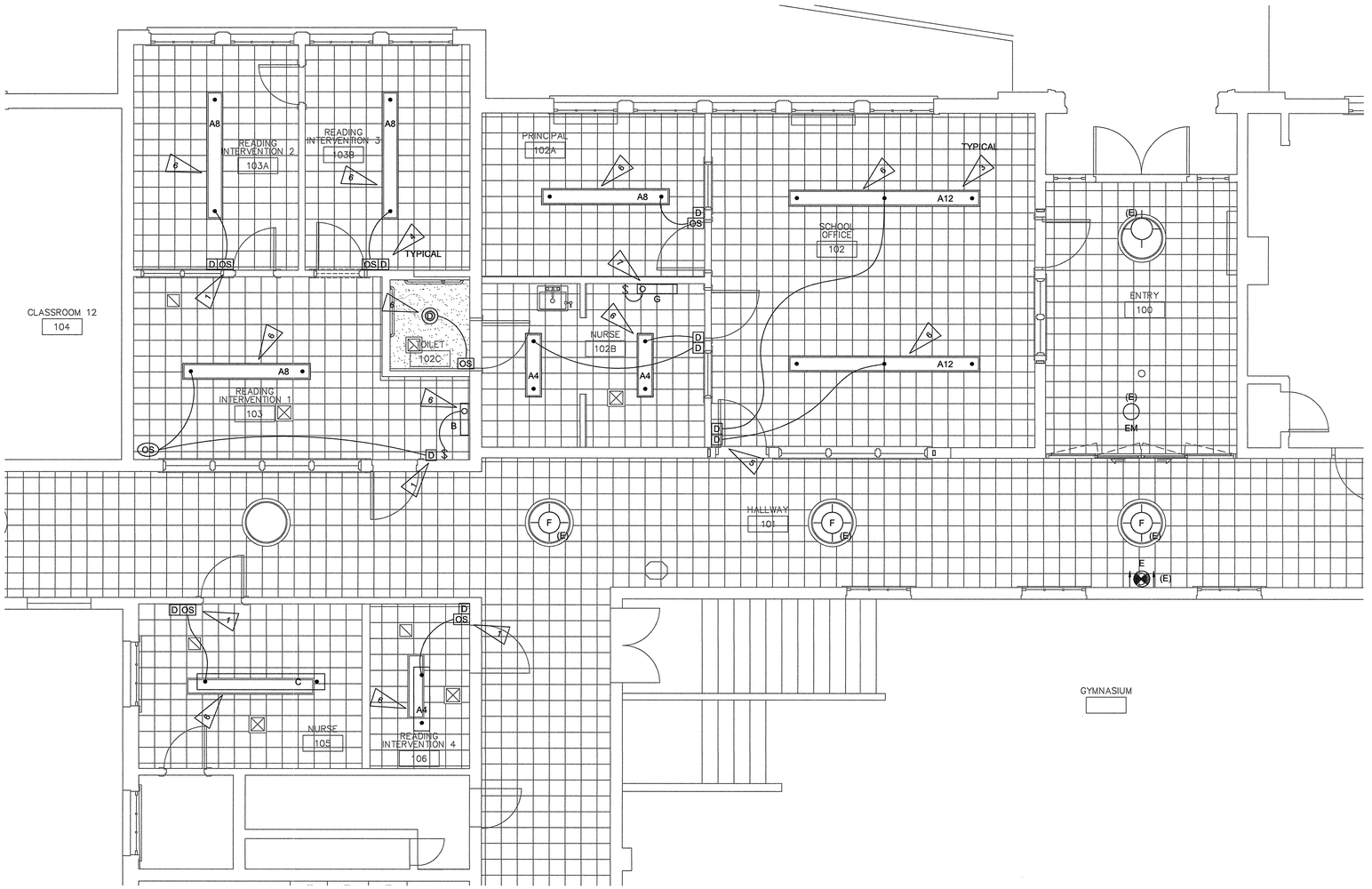
Edison Elementary School Office Relocation

Paradigm Engineering
James Krumsick P.E. LEED AP
85193 Appletree Drive
Eugene, Or. 97405
541 285 1680
jkrumsick@q.com

FLOOR PLAN
POWER & SIGNAL

Drawn By	RGM
Checked	JK
Date	17 APR 2014
Project	1321

E1.2



A E1.3 LIGHTING PLAN

1/4" = 1'-0"

NORTH

GENERAL RCP NOTES

A. FIELD VERIFY ALL CONDITIONS PRIOR TO BEGINNING WORK. IMMEDIATELY NOTIFY ARCHITECT UPON DISCOVERY OF ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS.

B. DIMENSIONS ARE TO GRIDLINE OR FACE OF STUD, U.O.N.

C. COORDINATE DIMENSIONS BETWEEN ARCHITECTURAL AND STRUCTURAL DRAWINGS, INCLUDING ELEVATIONS OF TRUSSES, JOISTS, AND BEAMS, PRIOR TO PERFORMING WORK. IMMEDIATELY NOTIFY ARCHITECT OF DISCREPANCIES BETWEEN DRAWINGS.

KEYED RCP NOTES

1. REUSE EXISTING SWITCH BACKBOX FOR NEW DIMMING SWITCH AND CUT IN NEW OCCUPANCY SENSOR WHERE INDICATED. PROVIDE 2 GANG DECORA PLATE.
2. REROUTE EXISTING CORRIDOR LIGHTING CONTROL CIRCUIT TO NEW FIXTURE LOCATION.
3. CABLE MOUNT PENDANT FIXTURE TO 7'-6" TO BOTTOM.
4. WHERE BOTH DIMMER AND OCCUPANCY SENSOR ARE SHOWN PROVIDE ON OFF CONTROL THROUGH OCCUPANCY SENSOR AND 0-10 VDC LEVEL CONTROL THROUGH DIMMING SWITCH.
5. PROVIDE SEPARATE DIMMING SWITCH WITH ON / OFF CONTROL FOR EACH FIXTURE ROW.
6. EXTEND EXISTING AREA LIGHTING CIRCUIT TO NEW LIGHT FIXTURES.
7. INSTALL RELOCATED TYPE G FIXTURE, SWITCH AND DUPLEX RECEPTACLE AT MECHANICAL EQUIPMENT LOCATION IN ATTIC. LOCATE AS REQUIRED TO FACILITATE MECHANICAL EQUIPMENT MAINTENANCE. EXTEND EXISTING ATTIC LIGHTING CIRCUIT TO NEW FIXTURE. REPLACE EXISTING INCANDESCENT LAMPS WITH CFL LAMPS.

Light Fixture Schedule				
Type	Description	Manufacturer Part Number	Driver / Lamps	Mounting
A4	Cable Mounted 4' Indirect LED Fixture	Ledalite MQ 03L AG NF 4 7 1E W	4000 K LED 0-10 VDC Dimming Integral Driver	Cable Mounted to 7'6" to bottom - 48" Cables
A8	Cable Mounted 8' Indirect LED Fixture	Ledalite MQ 03L AG NF 8 7 1E W	4000 K LED 0-10 VDC Dimming Integral Driver	Cable Mounted to 7'6" to bottom - 48" Cables
A12	Cable Mounted 12' Indirect LED Fixture	Ledalite MQ 03L AG NF 12 7 1E W	4000 K LED 0-10 VDC Dimming Integral Driver	Cable Mounted to 7'6" to bottom - 48" Cables
B	Undercabinet 2' LED with Integral Rocker Switch	Lithonia UCLD WH	3000 K LED	Surface
C	Cable Mounted 8' Direct / Indirect LED Fixture	Peerless BRM9L 4800 60/40 SSH 8 R8 120 EZB SCT	4000 K LED 0-10 VDC Dimming Driver	Cable Hung to 7'6"
D	LED Downlight	Lithonia DOM6 600L 40K 120 D06	600 Lumen, 4000 K 16 W LED	Recessed
E	Existing Double Faced Exit Sign			
F	Existing Pendant Bowl			
G	Existing Fluorescent Wraparound Fixture	Relocate existing pendant mounted wraparound fixture to mechanical equipment location in Attic		

REGISTERED PROFESSIONAL ENGINEER 12699 — Digitally signed by: James Krumsick — OREGON — SEPT. 21, 1982 — JAMES P. KRUMSICK — EXPIRES 6/30/2015

Robertson | Sherwood | Architects pc
132 East Broadway, Suite 540
Eugene, Oregon 97401
P 541 | 342.8077
F 541 | 345.4302
www.robertsonsherwood.com
1328 East 22nd Avenue
Eugene, OR 97403

Edison Elementary School Office Relocation

Paradigm Engineering
James Krumsick P.E. LEED AP
85193 Appletree Drive
Eugene, Or. 97405
541 285 1680
jkrumsick@q.com

LIGHTING PLAN

Drawn By	Checked	Date	Project
RGM	JK	17 APR 2014	1321

E1.3

PANEL SCHEDULE

PANEL: E

VOLTS: 120/240

LOCATION: Utility Room

MOUNTING: Surface

TYPE: Existing GE A Series **AMPS:** 100

PHASE: 3 **WIRE:** 4

MAIN: Lugs

NOTES: Notes: 1. Provide new 30/1 circuit Breaker, Circuit 18
2. Trace existing circuit and update panel directory

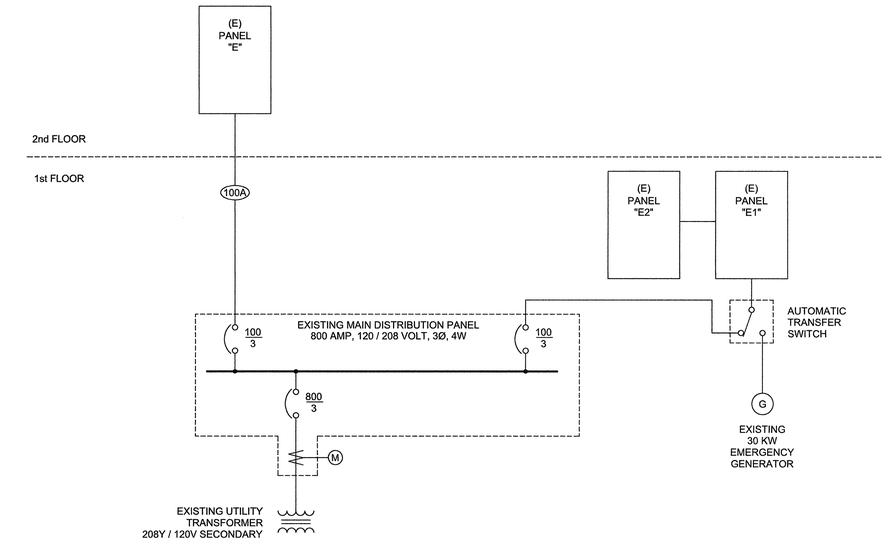
DATE: April 11, 2014
PROJECT:

LOAD CLASS	Conn. VA	Demand Factor	Demand Load VA
LIGHTING	4940	125%	6175
OUTLETS	9840	*	9840
MOTOR LOADS	1000	**	2800
RESISTANCE LOADS	2000	100%	2000
SUBFEED	0	100%	0
MISC. LOADS	0	100%	0

	Connected	Demand
TOTAL VOLT-AMPS	17,780	20,815
MAXIMUM PHASE AMPS	49.4	57.8

BREAKER A	P	DESCRIPTION	WATTS	CIR. NO.	PHASE	CIR. NO.	WATTS	DESCRIPTION	BREAKER P	BREAKER A
20	1	Rerouted Receptacle Circuit Nurse	180	1	A	2	1080	Rerouted Receptacle Circuit -Reading	1	20
20	1	Existing Attic Lighting Circuit	500	3	B	4	200	Rerouted Circuit - Door Operator	1	20
20	1	Existing Bathroom Lighting Circuit -	1000	5	C	6	1000	Existing Circuit Note 2	1	20
20	1	Ex Receptacle Circuit, Reading Intervention	540	7	A	8	1000	Existing Circuit Note 2	1	20
20	1	Rerouted Receptacle Circuit Principal	1080	9	B	10	540	Exisitng Receptacle Circuit CR 13, 14	1	20
20	1	Rerouted Receptacle Circuit Office	720	11	C	12	1260	Exisitng Receptacle Circuit CR 13, 14	1	20
20	1	Rerouted Receptacle Circuit Office	720	13	A	14	720	Exisitng Receptacle Circuit CR 13, 14	1	20
20	1	Existing Circuit Note 2	720	15	B	16	1000	HRV Unit	1	20
20	1	Existing Circuit Note 2	720	17	C	18	2000	Duct Heater Note 1	1	30
20	1	Existing Lighting Circuit	720	19	A	20		Existing TVSS	3	20
20	1	Rerouted Receptacle Circuit Reading	1080	21	B	22				
20	1	Existing Copy Machine Circuit	1000	23	C	24				

* 10kVA at 100%, remainder at 50%
** 100% plus 25% of the largest Motor



A / E1.4 PARTIAL ELECTRICAL ONE LINE DIAGRAM

Feeder Schedule				
Tag		Conduit	Conductors	Ground
100A	Existing	1"	3#1 Cu	#8 Cu

REGISTERED PROFESSIONAL ENGINEER 12895 OREGON JULY 21, 1995 JAMES P. KRUMSICK EXPIRES 6/30/2015
Digitally signed by: James Krumsick

Robertson | Sherwood | Architects pc
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Eugene, Oregon 97401
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85193 Appletree Drive
Eugene, Or. 97405
541 285 1680
jkrumsick@q.com

PANEL SCHEDULE AND ONE LINE DIAGRAM

Drawn By RGM
Checked JK
Date 17 APR 2014
Project 1321

E1.4