MODERNIZATION OF AND ADDITIONS TO:

PE ELL K - 12 SCHOOL

PE ELL SCHOOL DISTRICT NO. 301

PE ELL, WASHINGTON 98572

SCHOOL BOARD MEMBERS

RANDY DRIVER, CHAIRMAN

TOM MULLER, VICE CHAIRMAN

WILMA DRECNIAK

JERALD ELLIOTT, JR

PATTY MILLER

DESIGN TEAM

ARCHITECT
CSC ARCHITECTS
601 MAIN, SUITE 402
VANCOUVER, WA 98660
206/694-5528 FAX: 206/694-5641
CONTACT: BILL CONBOY

STRUCTURAL
KRAMER, GEHLEN & ASSOCIATES, INC.
400 COLUMBIA STREET, SUITE 240
VANCOUVER, WA 98668
206/693-1621 FAX: 206/696-1572
CONTACT: DOUG SARKKINEN

MECHANICAL
ARCHOS
606 COLUMBIA STREET, N.W., SUITE 100
OLYMPIA, WA 98501
206/357-9589 FAX: 206/357-9516
CONTACT: HENRY ROMER

ELECTRICAL
ATHAY & ASSOCIATES
9013 N.E. HWY. 99, SUITE R
VANCOUVER, WA 98665
206/574-0199 FAX: 206/574-0209
CONTACT: RON ATHAY

INDEX OF DRAWINGS

ARCHITECT

A1.1 COVER SHEET / SITE PLAN
A1.2 CODE PLAN
A2.1 DEMO PLAN – AREA H
A2.2 DEMO PLAN – AREA E
A2.3 DEMO PLAN – AREA J & G
A3.1 FLOOR PLAN – AREA H
A3.2 FLOOR PLAN – AREA E
A3.3 FLOOR PLAN – AREA J & G
A3.4 EXPANDED PLANS
A3.5 (ALTERNATE NO 4) – PLANS
A3.6 (ALTERNATE NO 4) – DETAILS
A4.1 EXTERIOR ELEVATIONS
A4.2 EXTERIOR ELEVATIONS
A6.1 BUILDING SECTIONS
A6.2 WALL SECTIONS
A6.3 WALL SECTIONS
A6.4 WALL SECTIONS
A6.5 EXTERIOR DETAILS
A7.1 ROOF PLAN
A7.2 ROOF DETAILS
A8.1 REFLECTED CEILING PLAN – AREA H
A8.2 REFLECTED CEILING PLAN – AREA E
A8.3 REFLECTED CEILING PLAN – AREA J & G
A9.1 WINDOW DETAILS
A9.2 WINDOW DETAILS
A9.3 WINDOW DETAILS
A9.4 DOOR DETAILS
A9.5 DOOR DETAILS
A10.1 INTERIOR ELEVATIONS
A10.2 INTERIOR ELEVATIONS
A10.3 INTERIOR ELEVATIONS
A11.1 FLOOR PATTERN PLAN

STRUCTURAL

S1.1 STRUCTURAL NOTES & MISC DETAILS
S1.2 AREA H – FOUNDATION PLAN & DETAILS
S1.3 AREA H – ROOF FRAMING PLAN & DETAILS
S1.4 AREA E – ROOF FRAMING PLAN & DETAILS
S1.5 AREA J & G – ROOF FRAMING PLAN, FOUNDATION PLAN & DETAILS
S1.6 MISC DETAILS
S1.7 AREA M – ROOF FRAMING AND FOUNDATION PLANS & DETAILS

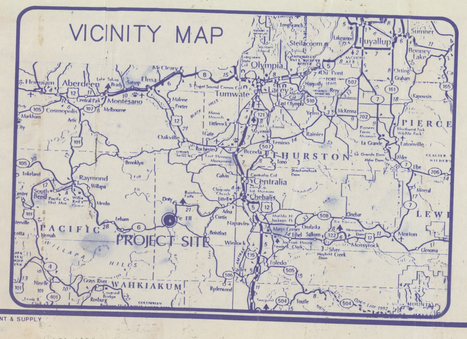
MECHANICAL

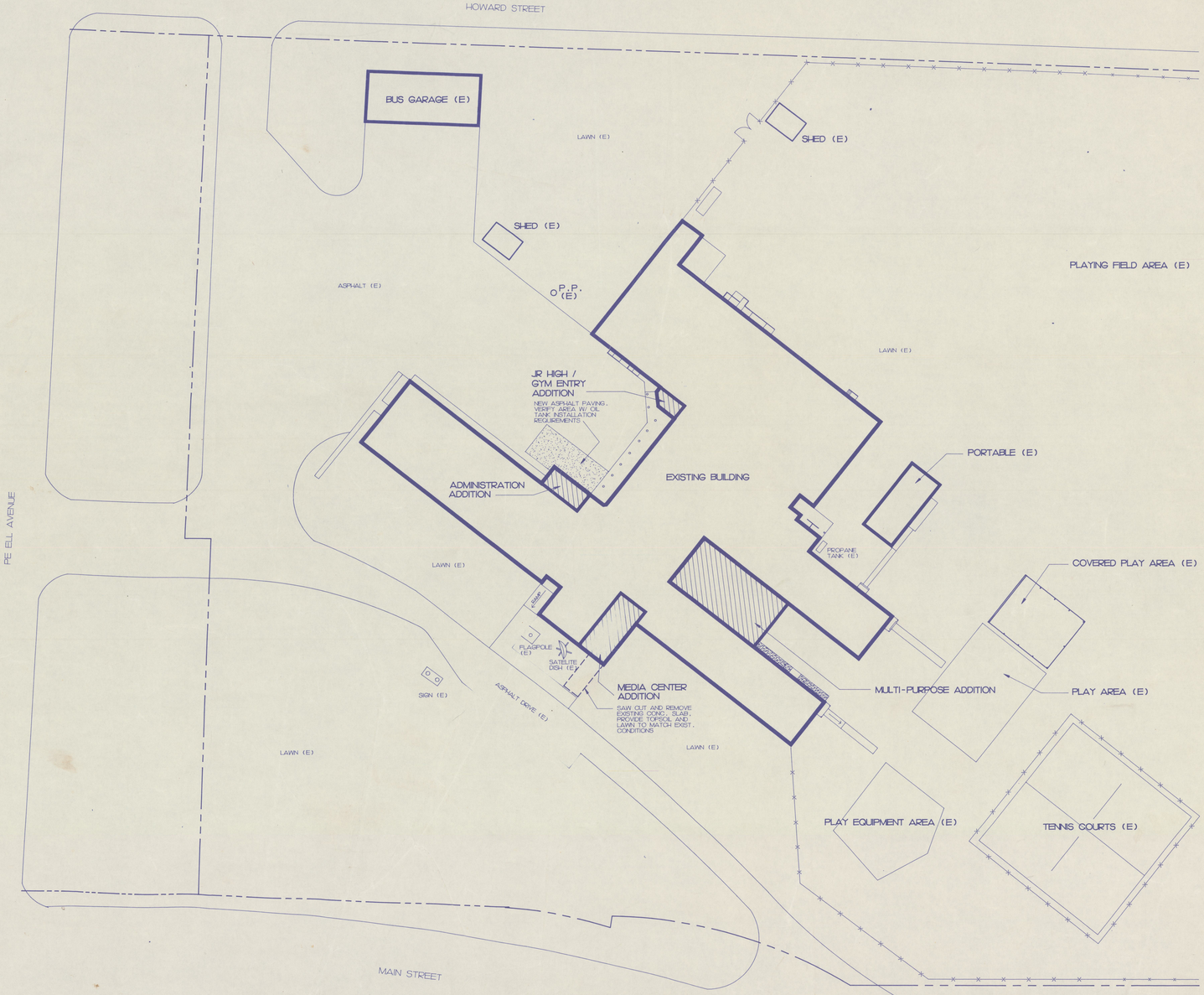
M1.0 SITE / ROOF PLAN
M2.1 DEMO PLAN – AREA H
M2.2 DEMO PLAN – AREA E
M2.3 DEMO PLAN – AREA J & G
M3.1 HVAC PLAN – AREA H
M3.2 HVAC PLAN – AREA E
M3.3 HVAC PLAN – AREA J & G
M3.4 SECTIONS AND DETAILS
M3.5 SCHEDULES
M4.1 PLUMBING PLAN – AREA H
M4.2 PLUMBING PLAN – AREA E
M4.3 PLUMBING PLAN – AREA J & G
M4.4 PARTIAL PLUMBING & RISER DIAGRAM PLAN
M4.5 PIPING DETAILS AND SCHEDULE PLAN
M4.6 BOILER ROOM AND FLOW DIAGRAM PLAN

ELECTRICAL

E1.1 ELEC DEMO PLAN – AREA H
E1.2 ELEC DEMO PLAN – AREA E
E1.3 ELEC DEMO PLAN – AREA J & G
E2.1 LIGHTING PLAN – AREA H
E2.2 LIGHTING PLAN – AREA E
E2.3 LIGHTING PLAN – AREA J & G
E2.4 ELECTRICAL PLAN – AREA M
E3.1 POWER & SIGNAL PLAN – AREA H
E3.2 POWER & SIGNAL PLAN – AREA E
E3.3 POWER & SIGNAL PLAN – AREA J & G
E3.1 ONE LINE DIAGRAM
E4.1 PANEL SCHEDULES

VICINITY MAP





SITE PLAN
Scale: 1" = 40'-0"

NORTH

CSC ARCHITECTS
601 MAIN, SUITE 400
VANCOUVER, WA 98660
(206) 694-5528 FAX 694-5641

1106 DOUGLAS, SUITE G
LONGVIEW, WA 98632
(206) 425-3030 FAX 425-6788

THIS DOCUMENT, AND THE IDEAS AND DESIGNS, INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CSC/SHAW, COLLINS ARCHITECTS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CSC/SHAW, COLLINS ARCHITECTS.

DRAWN BY:

DATE: 4-6-93
REVISED:

SITE PLAN

PE ELL SCHOOL MODERNIZATION AND ADDITIONS
PE ELL SCHOOL DISTRICT

SEAL:

CRAIG M. COLLINS
REGISTERED ARCHITECT
STATE OF WASHINGTON

SHEET NUMBER: A1.1

JOB NUMBER: 9231

#30

J-2 BLUE PRINT & SUPPLY

GYM
A-2.1 OCCUPANCY
TYPE V 1HR CONSTRUCTION REQUIRED
ACTUAL AREA = 11,050 S.F.
BASIC ALLOWABLE AAREA = 10,500 S.F.
INCREASE FOR SEPARATION 2 SIDES = 40-20=20x1.25% = 25%
ALLOWABLE AREA = 13,125
11,050 S.F. < 13,125 S.F. = OK

1-HOUR OCCUPANCY SEPARATION

SHOP/JR. HIGH WING
E-1 OCCUPANCY
TYPE V-N CONSTRUCTION
ACTUAL AREA = 8825 S.F.
BASIC ALLOWABLE AREA = 9100 S.F.
8825 S.F. < 9100 S.F. = OK

COMMONS AREA J7 NOT REQUIRED TO BE 1 HOUR CONSTRUCTION PER UBC SEC 3318(a) SINCE EACH ROOM USED FOR INSTRUCTION HAS AT LEAST ONE EXIT DOOR DIRECTLY TO THE EXTERIOR AT GROUND LEVEL

INSTALL 5/8" TYPE 'X' GWB ON UNDERSIDE OF ROOF FRAMING

LOCKER ROOMS
E-1 OCCUPANCY
TYPE V-N CONSTRUCTION
ACTUAL AREA = 4158.50 S.F.
BASIC ALLOWABLE AREA = 9100 S.F.
4158.50 S.F. < 9100 S.F. = OK

PER SEC. 505(c)
FOR MIXED OCCUPANCIES, THE SUM OF THE RATIOS OF THE ACTUAL AREAS DIVIDED BY THE ALLOWABLE AREAS CAN NOT EXCEED ONE

MUSIC/STORAGE
2640 S.F. / 9100 S.F. + CAFETERIA 4059 S.F. / 6000 S.F.

.29 + .67
.97 < 1.0 = OK

MUSIC/STORAGE
E-1 OCCUPANCY
TYPE V-N CONSTRUCTION
ACTUAL AREA = 2640 S.F.
BASIC ALLOWABLE = 9100 S.F.

CAFETERIA
A-3 OCCUPANCY
TYPE V-N CONSTRUCTION
ACTUAL AREA = 4059 S.F.
BASIC ALLOWABLE = 6000 S.F.

ASSUMED PROPERTY LINE
90 MINUTE RATED CLOSURE

PROTECTION OF WINDOWS NOT REQUIRED SINCE THEY ARE AT RIGHT ANGLE TO ASSUMED PROPERTY LINE

WEST ELEMENTARY WING
E-1 OCCUPANCY
TYPE V-N CONSTRUCTION
ACTUAL AREA = 6708 S.F.
BASIC ALLOWABLE AREA = 9100 S.F.
6708 S.F. < 9100 S.F. = OK

ASSUMED PROPERTY LINE

INSTALL 5/8" TYPE 'X' GWB ON UNDERSIDE OF ROOF FRAMING

MULTI-PURPOSE ROOM
A-3 OCCUPANCY
TYPE V-N CONSTRUCTION
ACTUAL AREA = 3780 S.F.
BASIC ALLOWABLE AREA = 6000 S.F.
INCREASE FOR SEPARATION 2 SIDES = 50%
ALLOWABLE AREA = 9000 S.F

1-HOUR OCCUPANCY SEPARATION

PER SEC 505(c)
FOR MIXED OCCUPANCIES, THE SUM OF THE RATIOS OF THE ACTUAL AREAS DIVIDED BY THE ALLOWABLE AREAS CON NOT EXCEED ONE

MULTI-PURPOSE 3780 S.F. / 9000 S.F. + EAST ELEM. 6707 S.F. / 13,650S.F.

.42 + .49 = .91
.91 < 1.0 = OK

HIGH SCHOOL WING
E-1 OCCUPANCY
TYPE V-N CONSTRUCTION
ACTUAL AREA = 13,080 S.F.
BASIC ALLOWABLE AREA = 9,100 S.F.
INCREASE FOR SEPARATION 3 SIDES = 100%
ALLOWABLE AREA = 18,200 S.F.
13,080S.F. < 18,200S.F. = OK

EAST ELEMENTARY WING
E-1 OCCUPANCY
TYPE V-N CONSTRUCTION
ACTUAL AREA = 6708 S.F.
BASIC ALLOWABLE AREA = 9100 S.F.
INCREASE FOR SEPARATION 2 SIDES = 50%
ALLOWABLE AREA = 13,650 S.F.

MEDIA CENTER
E-1 OCCUPANCY
TYPE V-N CONSTRUCTION
ACTUAL AREA = 5458 S.F.
BASIC ALLOWABLE AREA = 9100 S.F.
5458S.F. < 9100S.F. = OK

CODE PLAN
Scale: 1/16" = 1'-0"

NORTH

HEAVY LINES REPRESENT 2-HOUR AREA SEPARATION WALLS, EITHER EXISTING OR WHERE 2-HOUR AREA SEPARARTION WALL ARE REQUIRED BY CODE. UNDER THIS PROJECT THE INTENT IS NOT TO UPGRADE ALL 2-HOUR WALLS TO COMPLY WITH THE LETTER OF THE UBC. (SUCH COMPLIANCE IS NOT REQUIRED PER UBC SECTION 104). ONLY THOSE 2-HOUR AREA SEPARATION WALL THAT ARE REQUIRED IN ORDER TO ALLOW NEW SPACE TO BE ADDED WILL MEET REQUIREMENTS FOR A 2-HOUR AREA SEPARATION WALL

THESE WALLS SHALL MEET ALL REQUIREMENTS FOR TWO-HOUR AREA SEPARATION WALL

CSC ARCHITECTS
601 MAIN, SUITE 400
VANCOUVER, WA 98660
(206) 694-5538 FAX 694-5641

1106 DOUGLAS, SUITE G
LONGVIEW, WA 98632
(206) 425-3600 FAX 425-5768

THIS DOCUMENT, AND THE IDEAS AND DESIGNS, INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CSC/SHAW COLLINS ARCHITECTS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CSC/SHAW COLLINS ARCHITECTS.

DRAWN BY:

DATE: 4-6-93
REVISED:

CODE PLAN

PE ELL SCHOOL MODERNIZATION AND ADDITIONS
PE ELL SCHOOL DISTRICT

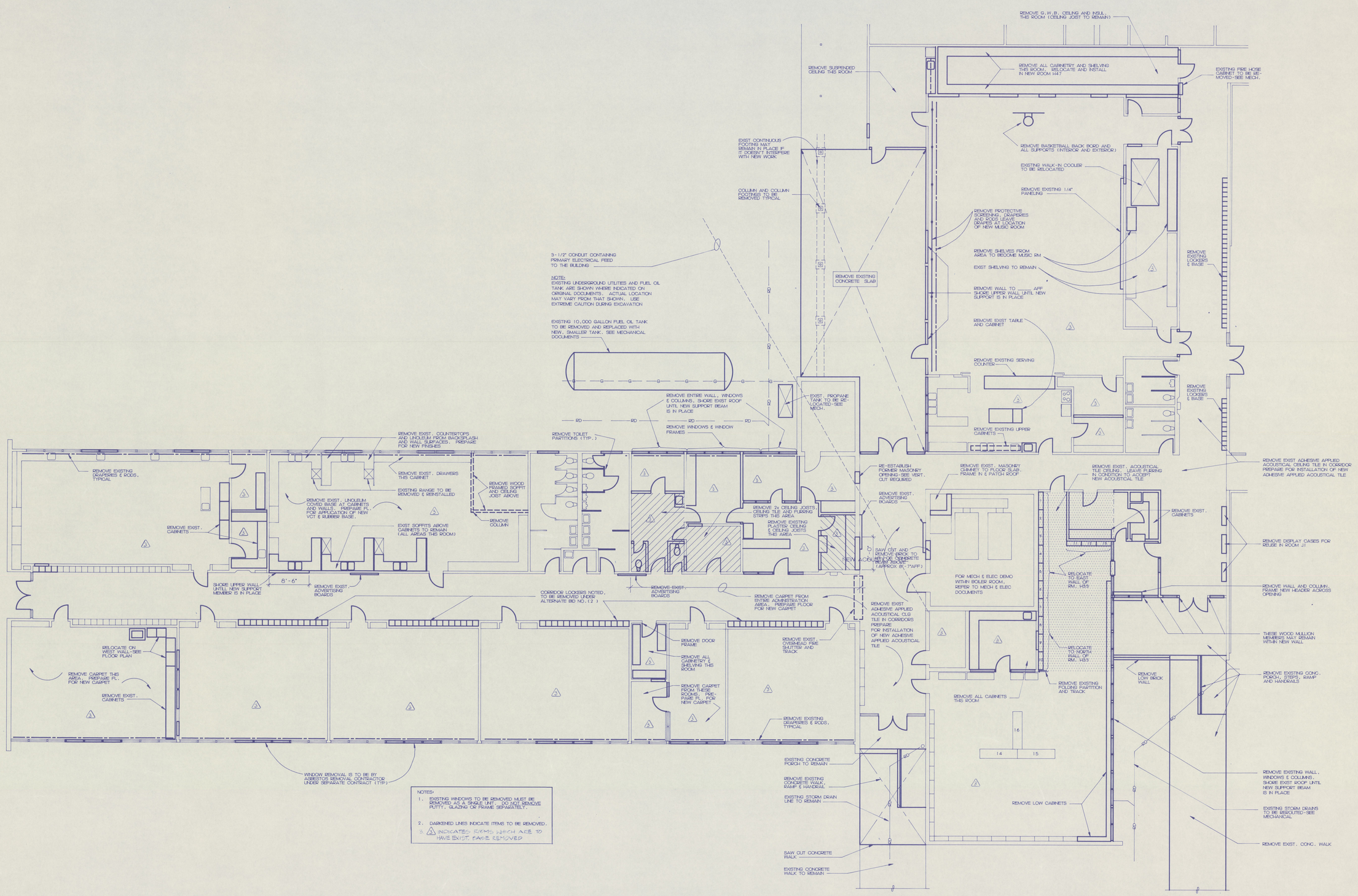
SEAL:

9231 REGISTERED ARCHITECT GREG M. COLLINS STATE OF WASHINGTON

SHEET NUMBER: A1.2

JOB NUMBER: 9231

J-2 BLUE PRINT & SUPPLY



DEMOLITION PLAN – HIGH SCHOOL/MEDIA/SAFETERIA

1/8" = 1'-0"

CSC ARCHITECTS
601 MAIN, SUITE 400
VANCOUVER, WA 98660
(206) 694-5528 FAX 694-5641
1106 DOUGLAS, SUITE G
LONGVIEW, WA 98632
(206) 425-3030 FAX 425-6768

THIS DOCUMENT, AND THE IDEAS AND DESIGNS, INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE IS THE PROPERTY OF CROOK, SHAW, COLLINS ARCHITECTS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CROOK, SHAW, COLLINS ARCHITECTS.

DRAWN BY:

DATE: 4-6-93

REVISED:

DEMOLITION PLAN – AREA H

PE ELL SCHOOL MODERNIZATION AND ADDITIONS
PE ELL SCHOOL DISTRICT

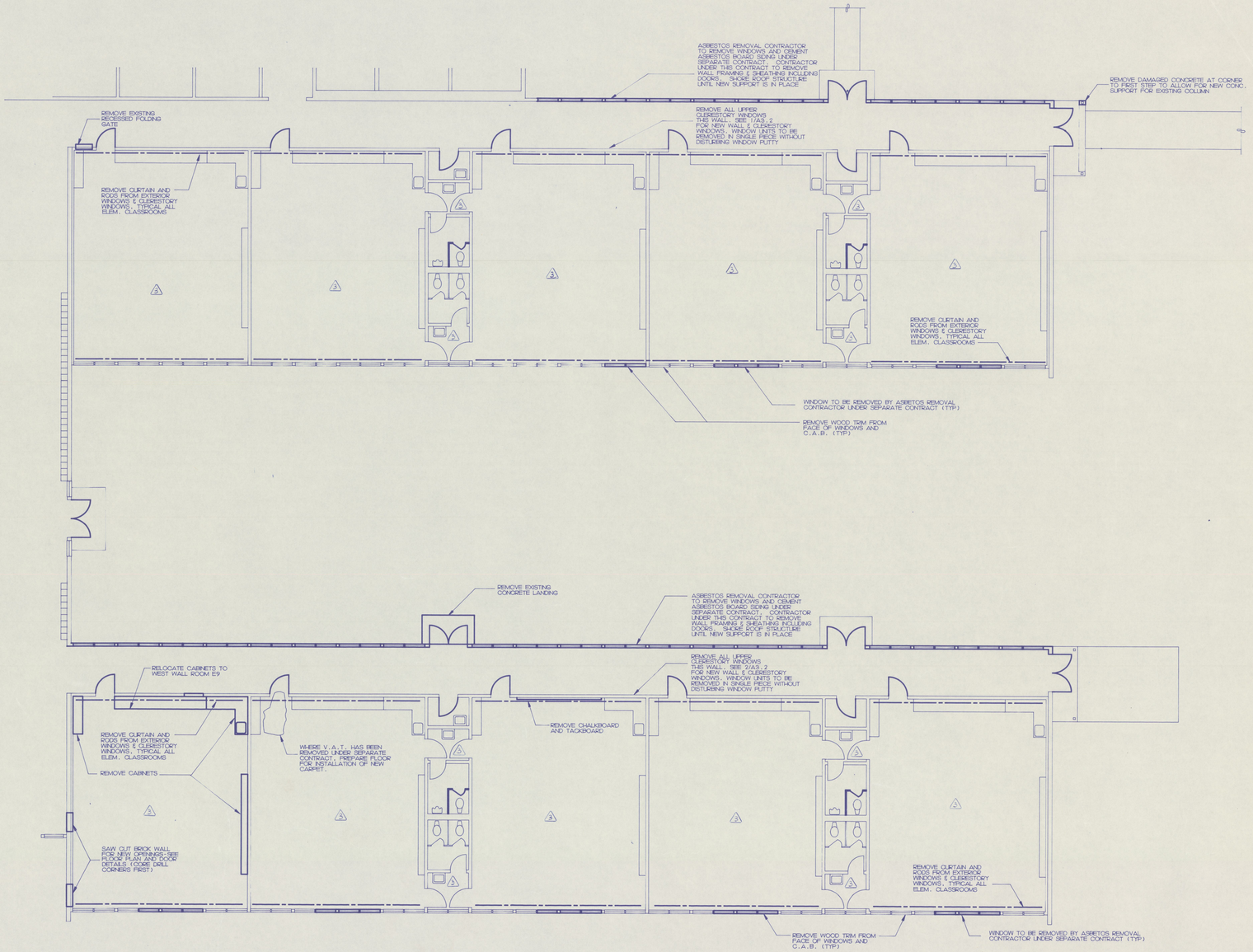
SEAL:

9231 REGISTERED ARCHITECT
CRAIG M. COLLINS
STATE OF WASHINGTON

SHEET NUMBER: A2.1

JOB NUMBER: 9231

J-2 BLUE PRINT & SUPPLY

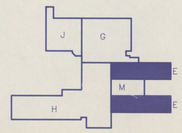


NOTES:
1. EXISTING WINDOWS TO BE REMOVED MUST BE REMOVED AS A SINGLE UNIT. DO NOT REMOVE PUTTY, GLAZING OR FRAME SEPARATELY.
2. DARKENED LINES INDICATE ITEMS TO BE REMOVED.
3. (A) INDICATES ROOMS WHICH ARE TO HAVE EXIST. CASE REMOVED

DEMOLITION PLAN – ELEMENTARY/MULTI-PURPOSE

1/8" = 1'-0"

PROJECT NORTH



CSC ARCHITECTS
1106 DOUGLAS, SUITE G
LONGVIEW, WA 98632
(206) 425-5838 FAX 425-4768
601 MAIN, SUITE 400
VANCOUVER, WA 98660
(206) 694-5538 FAX 694-5941

THIS DOCUMENT, AND THE IDEAS AND DESIGNS, INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CROOK, SHAW, COLLINS ARCHITECTS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CROOK, SHAW, COLLINS ARCHITECTS.

DRAWN BY:

DATE: 4-6-93

REVISED:

DEMOLITION PLAN – AREA E

PE ELL SCHOOL MODERNIZATION AND ADDITIONS
PE ELL SCHOOL DISTRICT

SEAL:

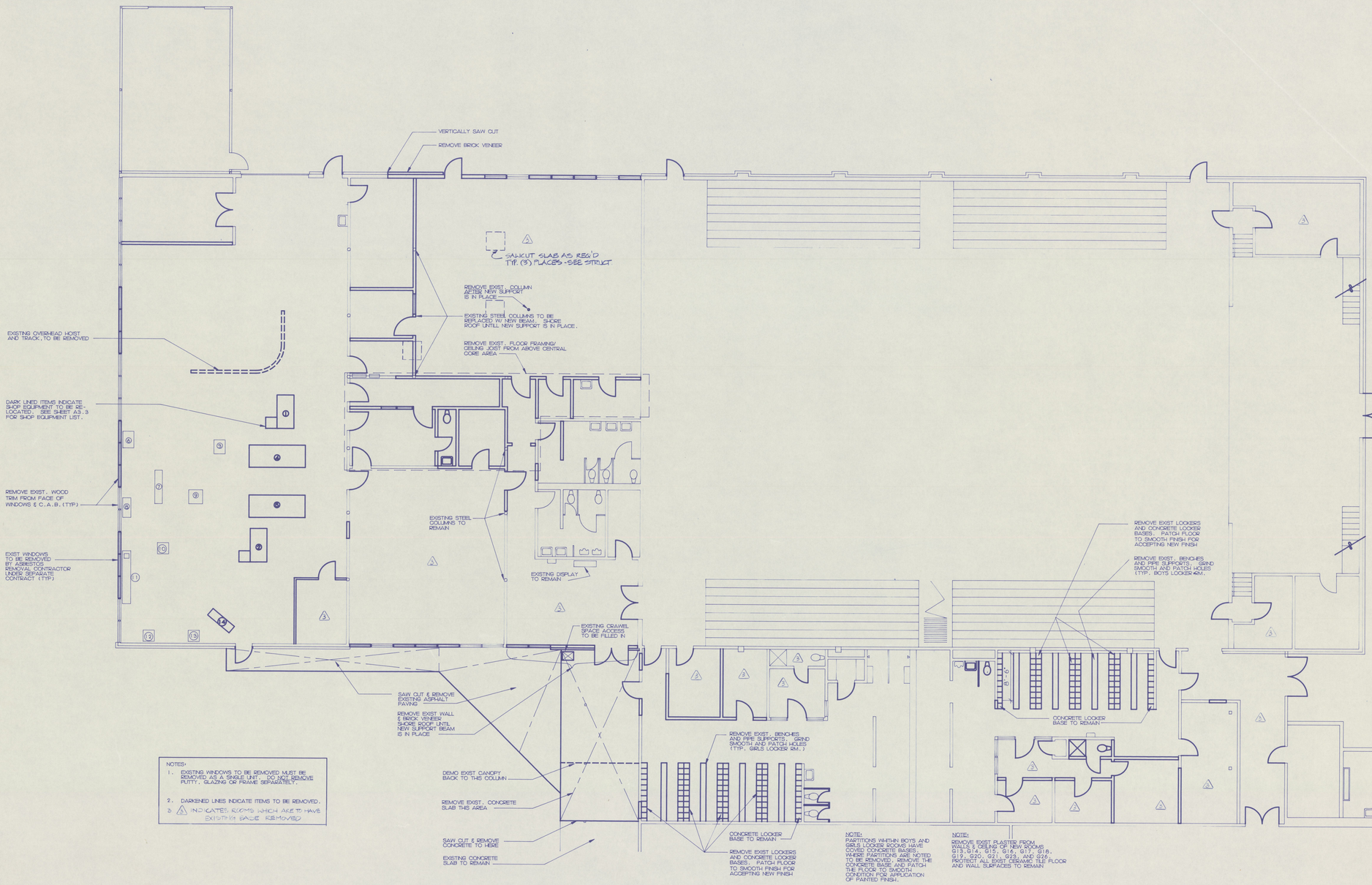
4231 REGISTERED ARCHITECT
CRAIG M. COLLINS
STATE OF WASHINGTON

SHEET NUMBER: A2.2

JOB NUMBER: 9231

150380

J-2 BLUE PRINT & SUPPLY



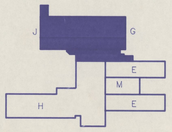
NOTES:

1. EXISTING WINDOWS TO BE REMOVED MUST BE REMOVED AS A SINGLE UNIT. DO NOT REMOVE PUTTY, GLAZING OR FRAME SEPARATELY.
2. DARKENED LINES INDICATE ITEMS TO BE REMOVED.
3. △ INDICATES ROOMS WHICH ARE TO HAVE EXISTING BASE REMOVED

DEMOLITION PLAN — JR. HIGH/GYM

1/8" = 1'-0"

PROJECT NORTH



CSC ARCHITECTS
601 MAIN, SUITE 400
VANCOUVER, WA 98660
(206) 694-5528 FAX 694-5644
1106 DOUGLAS, SUITE G
LONGVIEW, WA 98632
(206) 425-3030 FAX 425-5768

THIS DOCUMENT, AND THE IDEAS AND DESIGNS, INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CROOK, SHAW, COLLINS ARCHITECTS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CROOK, SHAW, COLLINS ARCHITECTS.

DRAWN BY:

DATE: 4-6-93

REVISED:

DEMOLITION PLAN — AREA J & G

PE ELL SCHOOL MODERNIZATION AND ADDITIONS
PE ELL SCHOOL DISTRICT

SEAL:

4331 REGISTERED ARCHITECT CRAIG McCOLLINS STATE OF WASHINGTON

SHEET NUMBER: A2.3

JOB NUMBER: 9231

J-2 BLUE PRINT & SUPPLY

LEGEND:

- EXISTING WALLS TO REMAIN
- NEW WALLS (2x6 AT 16" O.C. UNLESS NOTED OTHERWISE)
- TWO-HOUR WALLS

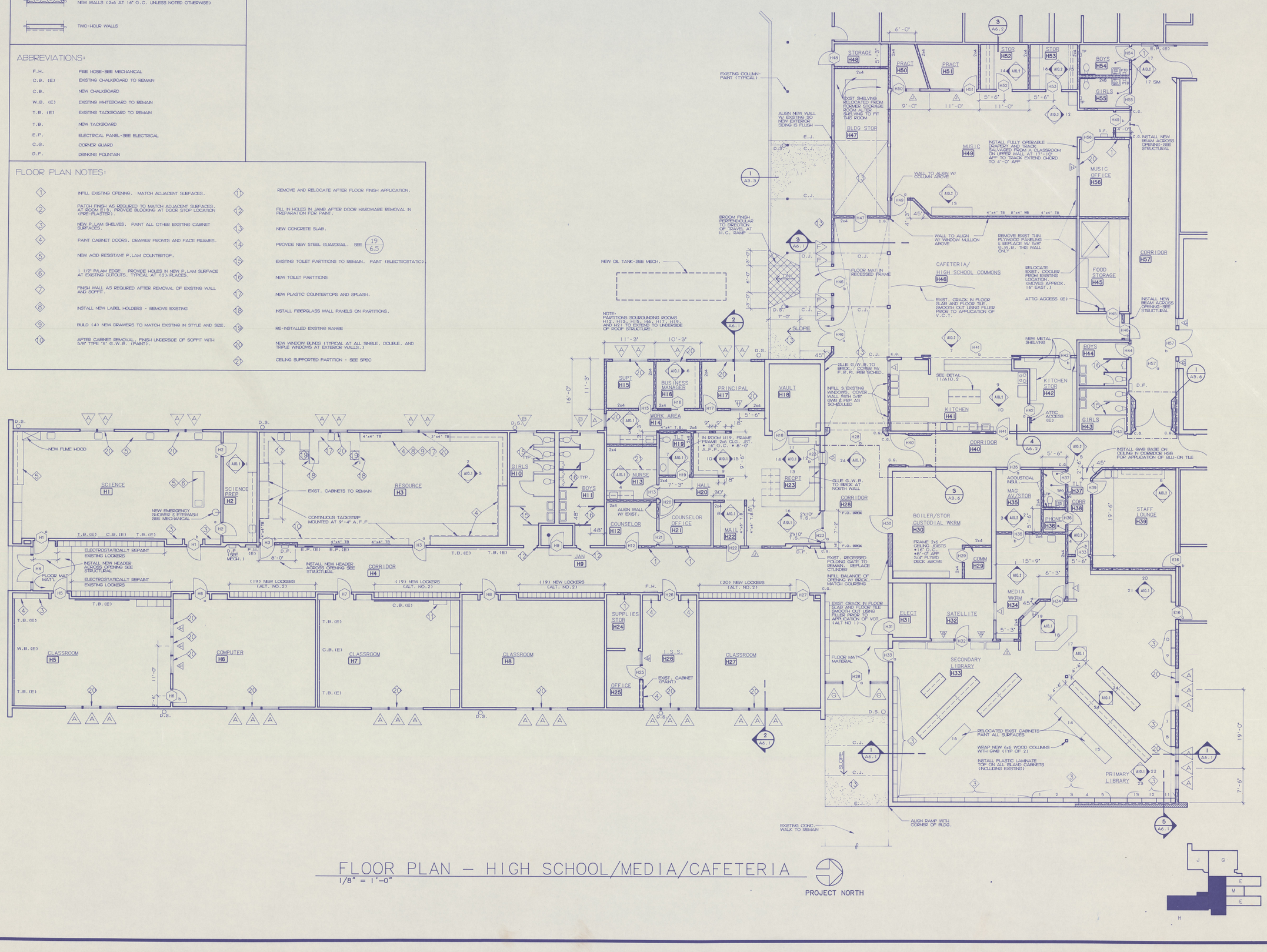
ABBREVIATIONS:

F.H.	FIRE HOSE-SEE MECHANICAL
C.B. (E)	EXISTING CHALKBOARD TO REMAIN
C.B.	NEW CHALKBOARD
W.B. (E)	EXISTING WHITEBOARD TO REMAIN
T.B. (E)	EXISTING TACKBOARD TO REMAIN
T.B.	NEW TACKBOARD
E.P.	ELECTRICAL PANEL-SEE ELECTRICAL
C.G.	CORNER GUARD
D.F.	DRINKING FOUNTAIN

FLOOR PLAN NOTES:

1. INFILL EXISTING OPENING. MATCH ADJACENT SURFACES.
2. PATCH FINISH AS REQUIRED TO MATCH ADJACENT SURFACES. AT ROOM E19, PROVIDE BLOCKING AT DOOR STOP LOCATION (PRE-PLASTER).
3. NEW P.LAM SHELVES. PAINT ALL OTHER EXISTING CABINET SURFACES.
4. PAINT CABINET DOORS, DRAWER FRONTS AND FACE FRAMES.
5. NEW ACID RESISTANT P.LAM COUNTERTOP.
6. 1 1/2" P.LAM EDGE. PROVIDE HOLES IN NEW P.LAM SURFACE AT EXISTING CUTOUTS. TYPICAL AT (2) PLACES.
7. FINISH WALL AS REQUIRED AFTER REMOVAL OF EXISTING WALL AND SOFFIT.
8. INSTALL NEW LABEL HOLDERS - REMOVE EXISTING
9. BUILD (4) NEW DRAWERS TO MATCH EXISTING IN STYLE AND SIZE.
10. AFTER CABINET REMOVAL, FINISH UNDERSIDE OF SOFFIT WITH 5/8" TYPE 'X' G.W.B. (PAINT).
11. REMOVE AND RELOCATE AFTER FLOOR FINISH APPLICATION.
12. FILL IN HOLES IN JAMB AFTER DOOR HARDWARE REMOVAL IN PREPARATION FOR PAINT.
13. NEW CONCRETE SLAB.
14. PROVIDE NEW STEEL GUARDRAIL. SEE 19/6.5
15. EXISTING TOILET PARTITIONS TO REMAIN. PAINT (ELECTROSTATIC).
16. NEW TOILET PARTITIONS
17. NEW PLASTIC COUNTERTOPS AND SPLASH.
18. INSTALL FIBERGLASS WALL PANELS ON PARTITIONS.
19. RE-INSTALLED EXISTING RANGE
20. NEW WINDOW BLINDS (TYPICAL AT ALL SINGLE, DOUBLE, AND TRIPLE WINDOWS AT EXTERIOR WALLS.)
21. CEILING SUPPORTED PARTITION - SEE SPEC

PROVIDE ACOUSTICAL INSULATION FULL HEIGHT IN WALL AND ABOVE CEILING IN ROOMS H50 AND H51:



FLOOR PLAN - HIGH SCHOOL/MEDIA/CAFETERIA

1/8" = 1'-0"

PROJECT NORTH

CSC ARCHITECTS
601 MAIN, SUITE #90
VANCOUVER, WA 98660
(206) 694-5528 FAX 694-5641

1106 DOUGLAS, SUITE G
LONGVIEW, WA 98632
(206) 425-1030 FAX 425-6768

THIS DOCUMENT, AND THE IDEAS AND DESIGNS, INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CROOK, SHAW, COLLINS ARCHITECTS. IT IS NOT TO BE USED IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CROOK, SHAW, COLLINS ARCHITECTS.

DRAWN BY:

DATE: 4-6-93

REVISED:

FLOOR PLAN - AREA H

PE ELL SCHOOL MODERNIZATION AND ADDITIONS
PE ELL SCHOOL DISTRICT

SEAL:

9231 REGISTERED ARCHITECT CRAIG A. COLLINS STATE OF WASHINGTON

SHEET NUMBER: A3.1

JOB NUMBER: 9231

J-2 BLUE PRINT & SUPPLY

LEGEND:

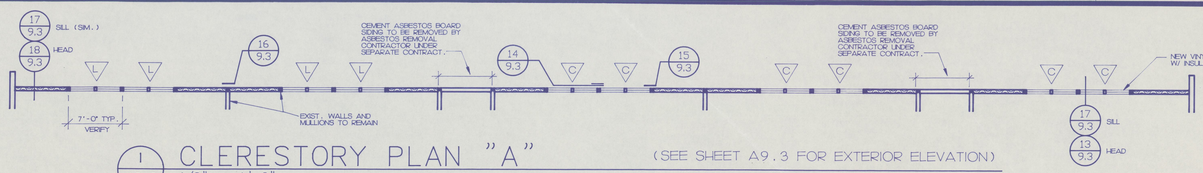
- EXISTING WALLS TO REMAIN
- NEW WALLS (2x6 AT 16" O.C. UNLESS NOTED OTHERWISE)
- TWO-HOUR WALLS

ABBREVIATIONS:

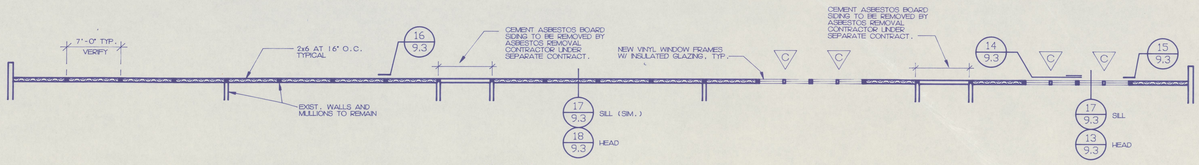
F.H.	FIRE HOSE-SEE MECHANICAL
C.B. (E)	EXISTING CHALKBOARD TO REMAIN
C.B.	NEW CHALKBOARD
W.B. (E)	EXISTING WHITEBOARD TO REMAIN
T.B. (E)	EXISTING TACKBOARD TO REMAIN
T.B.	NEW TACKBOARD
E.P.	ELECTRICAL PANEL-SEE ELECTRICAL

FLOOR PLAN NOTES:

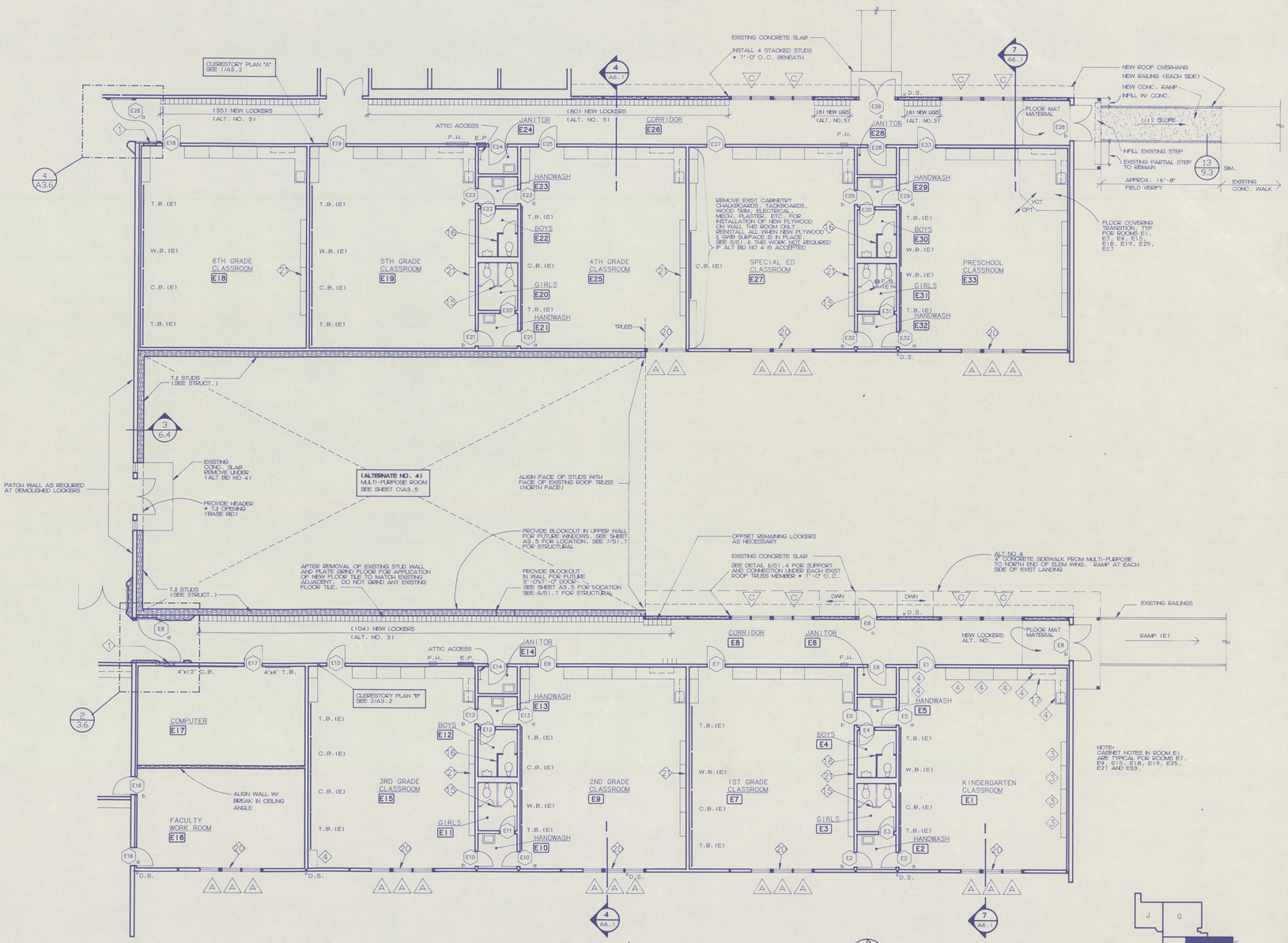
1. INFILL EXISTING OPENING. MATCH ADJACENT SURFACES.
2. PATCH FINISH AS REQUIRED TO MATCH ADJACENT SURFACES. AT ROOM E13, PROVIDE BLOCKING AT DOOR STOP LOCATION (RE-PLASTER).
3. NEW P.LAM SHELVES. PAINT ALL OTHER EXISTING CABINET SURFACES.
4. PAINT CABINET DOOR, DRAWER FRONTS AND FACE FRAMES.
5. NEW ACID RESISTANT P.LAM COUNTERTOP.
6. 1 1/2" P.LAM EDGE. PROVIDE HOLES IN NEW P.LAM SURFACE AT EXISTING CUTOUTS. TYPICAL AT (2) PLACES.
7. FINISH WALL AS REQUIRED AFTER REMOVAL OF EXISTING WALL AND SOFFIT.
8. PROVIDE NEW LABEL HOLDERS-REMOVE EXISTING.
9. BUILD (4) NEW DRAWERS TO MATCH EXISTING IN STYLE AND SIZE.
10. AFTER CABINET REMOVAL, FINISH UNDERSIDE OF SOFFIT WITH 5/8" TYPE "X" G.W.B. (PAINT).
11. REMOVE AND RELOCATE AFTER FLOOR FINISH APPLICATION.
12. FILL IN HOLES IN JAMB AFTER DOOR HARDWARE REMOVAL IN PREPARATION FOR PAINT.
13. NEW CONCRETE SLAB.
14. PROVIDE NEW STEEL GUARDRAIL. SEE 19/6.5
15. EXISTING TOILET PARTITIONS TO REMAIN. PAINT (ELECTROSTATIC).
16. NEW TOILET PARTITIONS
17. NEW PLASTIC LAMINATE COUNTERTOPS AND SPLASH.
18. INSTALL FIBERGLASS WALL PANELS ON PARTITIONS.
19. RE-INSTALLED EXISTING RANGE
20. NEW WINDOW BUNDS (TYPICAL AT ALL SINGLE, DOUBLE, AND TRIPLE WINDOWS AT EXTERIOR WALLS.)
21. INSTALL PERFERATED METAL CLOSURE AT BOTTOM SHELF OF CABINET BAY - SEE DETAIL 6 MECHANICAL



1 / A3.2 CLERESTORY PLAN "A" 1/8" = 1'-0" (SEE SHEET A9.3 FOR EXTERIOR ELEVATION)



2 / A3.2 CLERESTORY PLAN "B" 1/8" = 1'-0" (SEE SHEET A9.3 FOR EXTERIOR ELEVATION)



FLOOR PLAN - ELEMENTARY/MULTI-PURPOSE

1/8" = 1'-0"

PROJECT NORTH

CSC ARCHITECTS
601 MAIN, SUITE 400
VANCOUVER, WA 98660
(206) 694-5528 FAX 694-5641
1106 DOUGLAS, SUITE G
LONGVIEW, WA 98632
(206) 425-3030 FAX 425-6768

THIS DOCUMENT, AND THE IDEAS AND DESIGNS, INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CSC/ SHAW, COLLINS ARCHITECTS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CSC/SHAW, COLLINS ARCHITECTS.

DRAWN BY:

DATE: 4-6-93

REVISED:

FLOOR PLAN - AREA E

PE ELL SCHOOL MODERNIZATION AND ADDITIONS

PE ELL SCHOOL DISTRICT

SEAL: REGISTERED ARCHITECT, CRAIG M. COLLINS, STATE OF WASHINGTON

SHEET NUMBER: A3.2

JOB NUMBER: 9231

J-2 BLUE PRINT & SUPPLY

LEGEND:

- EXISTING WALLS TO REMAIN
- NEW WALLS (2x6 AT 16" O.C. UNLESS NOTED OTHERWISE)
- TWO-HOUR WALLS

ABBREVIATIONS:

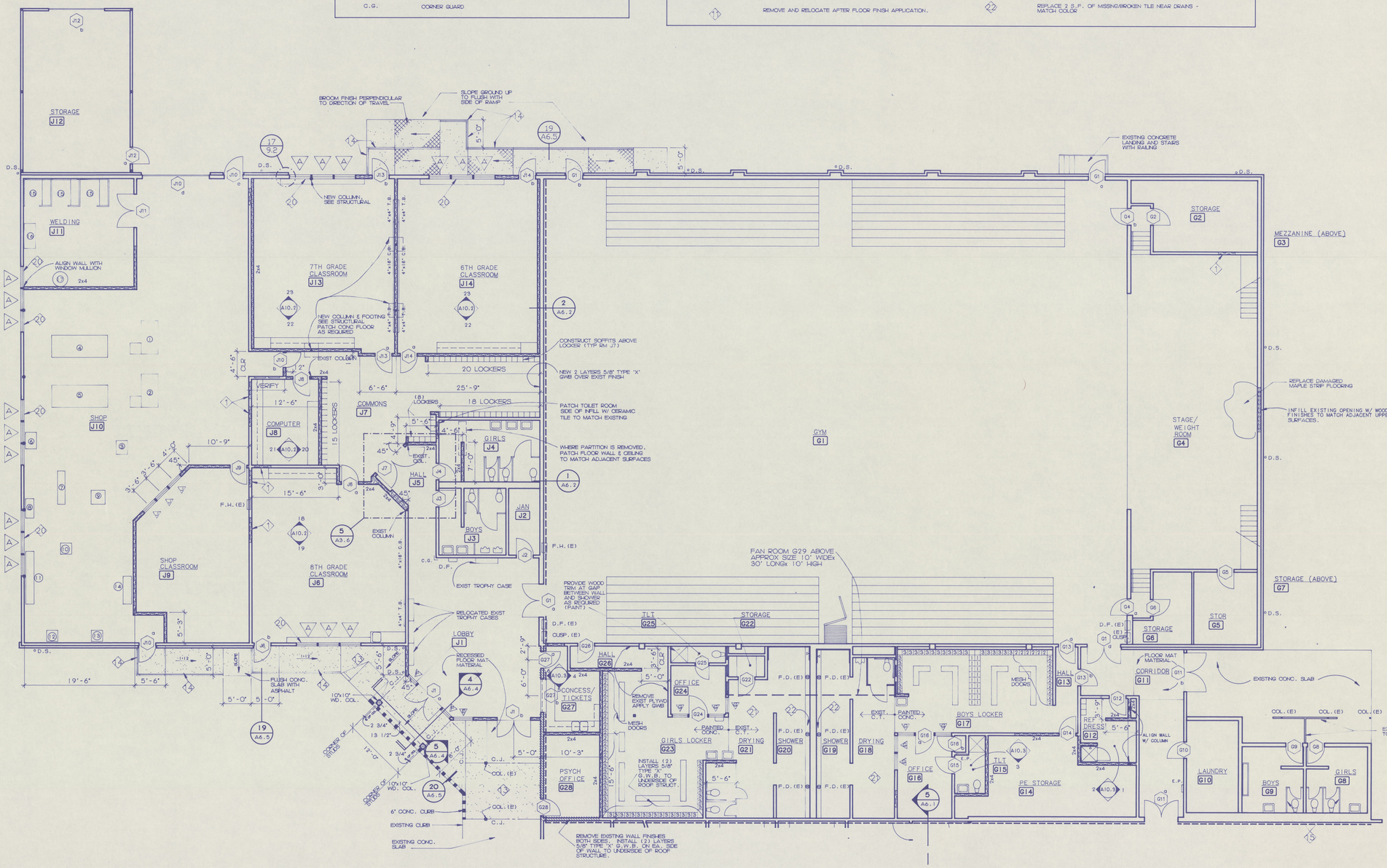
F.H.	FIRE HOSE-SEE MECHANICAL
C.B. (E)	EXISTING CHALKBOARD TO REMAIN
C.B.	NEW CHALKBOARD
W.B. (E)	EXISTING WHITEBOARD TO REMAIN
T.B. (E)	EXISTING TACKBOARD TO REMAIN
T.B.	NEW TACKBOARD
E.P.	ELECTRICAL PANEL-SEE ELECTRICAL
C.G.	CORNER GUARD

FLOOR PLAN NOTES:

1. INFILL EXISTING OPENING. MATCH ADJACENT SURFACES.
2. PATCH FINISH AS REQUIRED TO MATCH ADJACENT SURFACES. AT ROOM E13, PROVIDE BLOCKING AT DOOR STOP LOCATION (PRE-PLASTER).
3. NEW P.LAM SHELVES. PAINT ALL OTHER EXISTING CABINET SURFACES.
4. PAINT CABINET DOORS, DRAWER FRONTS AND FACE FRAMES.
5. NEW ACID RESISTANT P.LAM COUNTERTOP.
6. 1 1/2" P/LAM EDGE. PROVIDE HOLES IN NEW P.LAM SURFACE AT EXISTING CUTOUTS. TYPICAL AT (2) PLACES.
7. FINISH WALL AS REQUIRED AFTER REMOVAL OF EXISTING WALL AND SOFFIT.
8. PROVIDE NEW LABEL HOLDERS-REMOVE EXISTING.
9. BUILD (4) NEW DRAWERS TO MATCH EXISTING IN STYLE AND SIZE.
10. AFTER CABINET REMOVAL, FINISH UNDERSIDE OF SOFFIT WITH 5/8" TYPE 'X' G.W.B. (PAINT).
11. REMOVE AND RELOCATE AFTER FLOOR FINISH APPLICATION.
12. FILL IN HOLES IN JAMB AFTER DOOR HARDWARE REMOVAL IN PREPARATION FOR PAINT.
13. NEW CONCRETE SLAB.
14. PROVIDE NEW STEEL GUARDRAIL. SEE
15. EXISTING TOILET PARTITIONS TO REMAIN. 19 PAINT A6.5 (ELECTROSTATIC).
16. NEW TOILET PARTITIONS
17. NEW PLASTIC COUNTERTOPS AND SPLASH.
18. INSTALL FIBERGLASS WALL PANELS ON PARTITIONS.
19. RE-INSTALL EXISTING RANGE
20. NEW WINDOW BLINDS (TYPICAL AT ALL SINGLE, DOUBLE, AND TRIPLE WINDOWS AT EXTERIOR WALLS.)
21. REGROUT WALL OF LOCKER ROOM AS REQUIRED APPROX. 45 S.F. BOYS 24 S.F. GIRLS
22. REPLACE 2 S.F. OF MISSING/BROKEN TILE NEAR DRAINS - MATCH COLOR

SHOP EQUIPMENT LIST

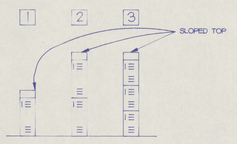
1	TABLE SAW	(EXISTING RELOCATED)
2	TABLE SAW	(EXISTING RELOCATED)
3	ROUTER TABLE	(EXISTING)
4	WORK TABLE	(EXISTING RELOCATED)
5	WORK TABLE	(EXISTING RELOCATED)
6	PLANER	(EXISTING)
7	JOINTER	(EXISTING)
8	SANDER	(EXISTING)
9	ROUTER TABLE	(EXISTING)
10	BAND SAW	(EXISTING)
11	CHOP SAW	(EXISTING)
12	DRILL PRESS	(EXISTING)
13	JIGSAW	(EXISTING)
14	LATHE	(EXISTING RELOCATED)
15	WELDING BOOTH	(NEW)
16	METAL FOUNDRY	(EXISTING RELOCATED)
17	KILN	(EXISTING RELOCATED)



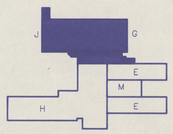
FLOOR PLAN - JR. HIGH/GYM

1/8" = 1'-0"

PROJECT NORTH



LOCKER LEGEND



CSC ARCHITECTS
601 MAIN, SUITE 400
VANCOUVER, WA 98660
(206) 694-5528 FAX 694-5641

1106 DOUGLAS, SUITE G
LONGVIEW, WA 98632
(206) 425-3030 FAX 425-6768

THIS DOCUMENT, AND THE IDEAS AND DESIGNS, INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CROOK, SHAW, COLLINS ARCHITECTS AND SHALL NOT BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CROOK, SHAW, COLLINS ARCHITECTS.

DRAWN BY:

DATE: 4-6-93

REVISED:

FLOOR PLAN - AREA J & G

PE ELL SCHOOL MODERNIZATION AND ADDITIONS
PE ELL SCHOOL DISTRICT

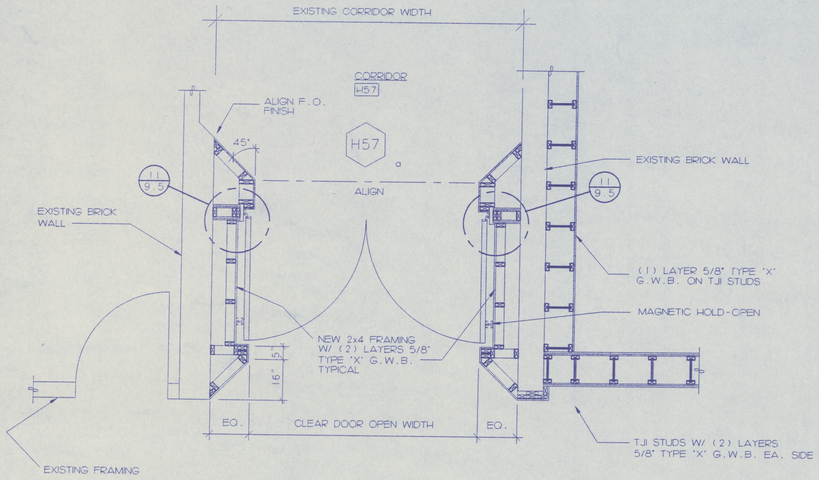
SEAL:

6231 REGISTERED ARCHITECT CRAIG M. COLLINS STATE OF WASHINGTON

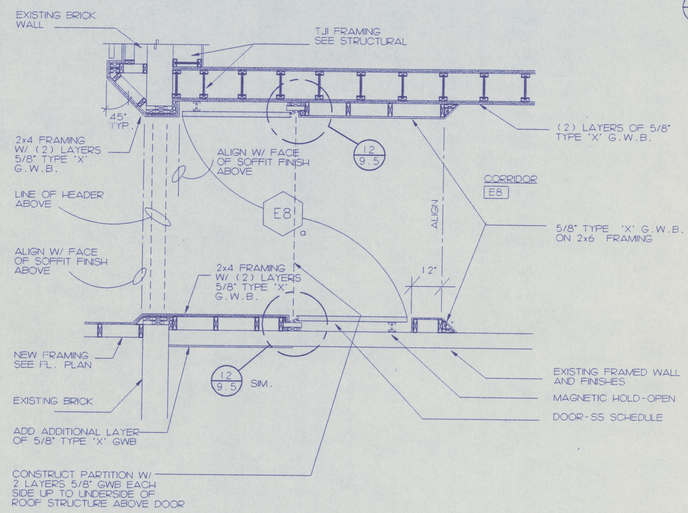
SHEET NUMBER: A3.3

JOB NUMBER: 9231

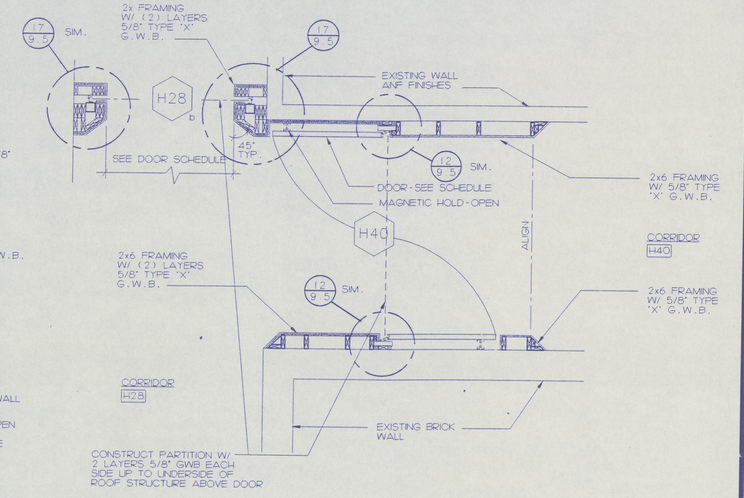
J-2 BLUE PRINT & SUPPLY



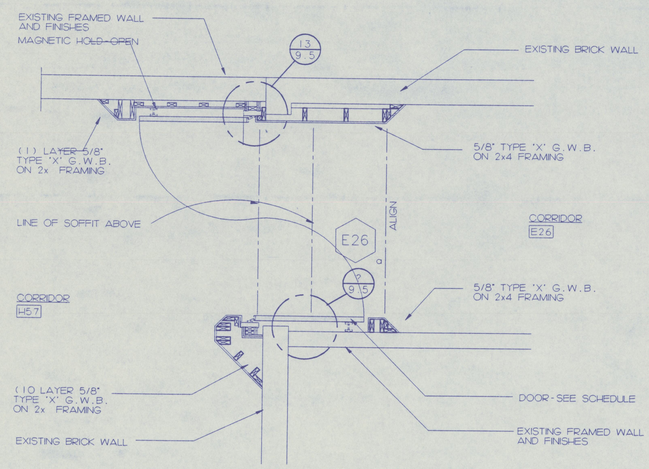
1 / A3.4 EXPANDED PLAN
Scale: 1/2"= 1'-0"



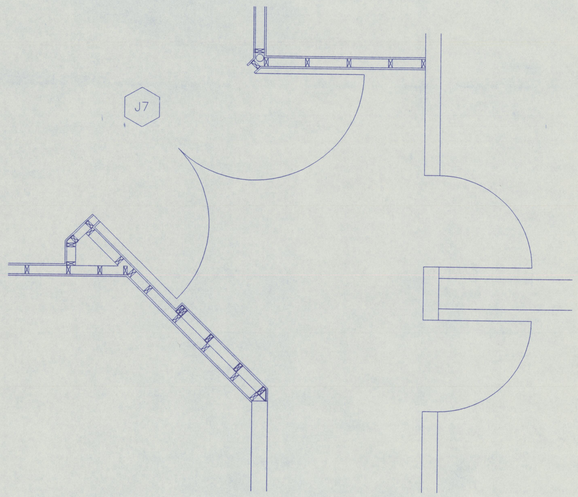
2 / A3.4 EXPANDED PLAN
Scale: 1/2"= 1'-0"



3 / A3.4 EXPANDED PLAN
Scale: 1/2"= 1'-0"



4 / A3.4 EXPANDED PLAN
Scale: 1/2"= 1'-0"



5 / A3.4 EXPANDED PLAN
Scale: 1/2"= 1'-0"

CSC ARCHITECTS
1106 DOUGLAS, SUITE G
LONGVIEW, WA 98632
(206) 425-3030 FAX 425-8788
601 MAIN, SUITE 402
VANCOUVER, WA 98660
(206) 694-3028 FAX 694-8641

THIS DOCUMENT AND THE IDEAS AND DESIGNS, INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CROOK, SHAW, COLLINS ARCHITECTS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CROOK, SHAW, COLLINS ARCHITECTS.

DRAWN BY:

DATE: 4-6-93
REVISED:

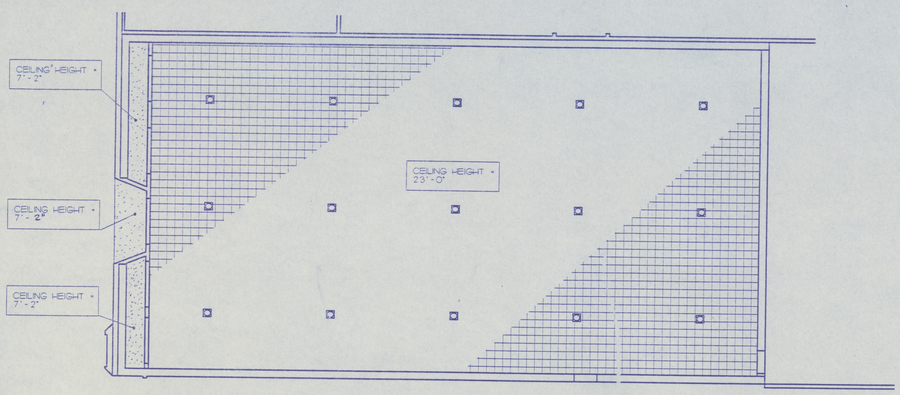
EXPANDED PLANS

PE ELL SCHOOL MODERNIZATION AND ADDITIONS
PE ELL SCHOOL DISTRICT

SEAL:
4331 REGISTERED ARCHITECT
CRAIG M. COLLINS
STATE OF WASHINGTON

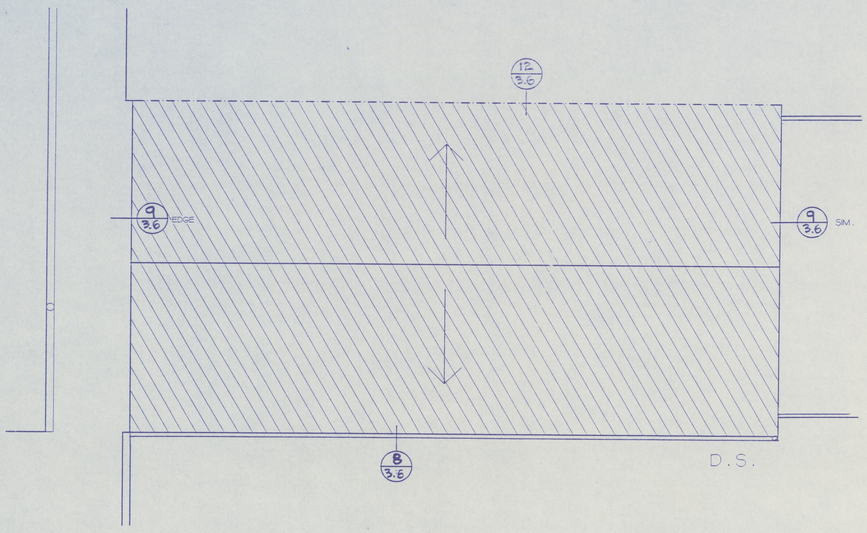
SHEET NUMBER: A3.4

JOB NUMBER: 9231



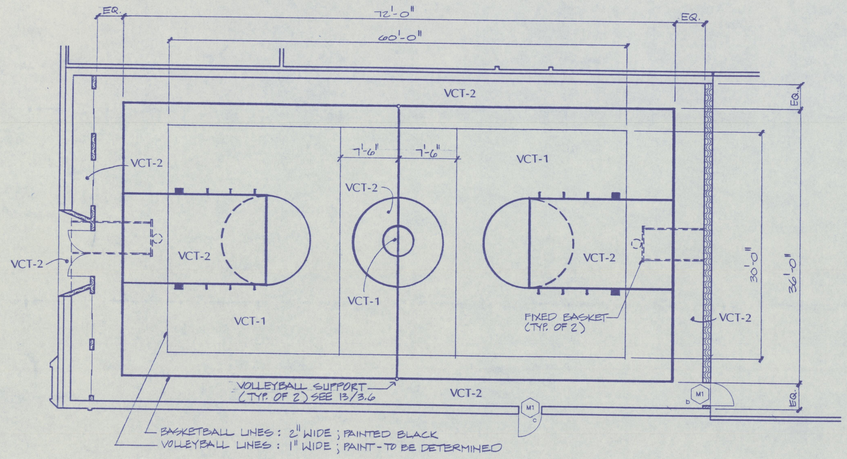
A A3.5 REFLECTED CEILING PLAN - MULT-PURPOSE

1/8" = 1'-0"



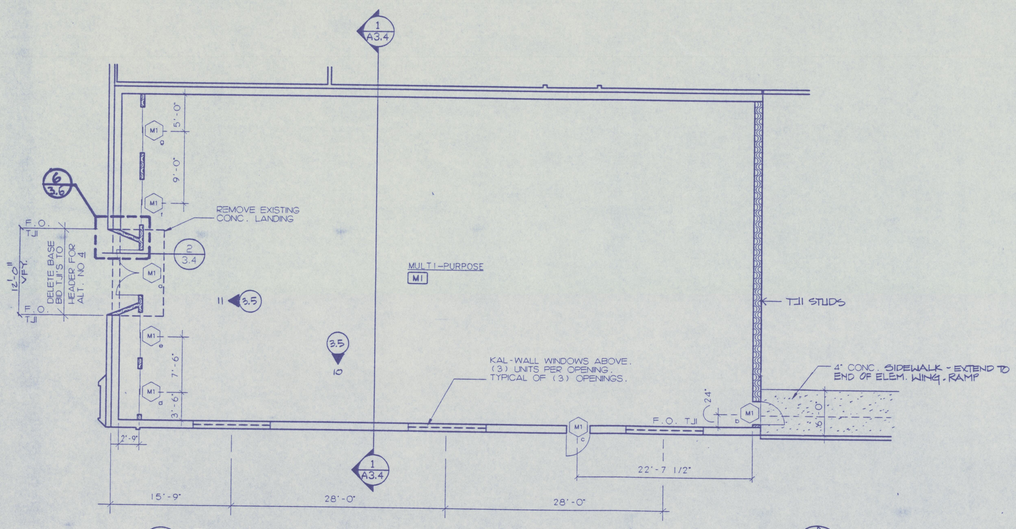
D A3.5 ROOF PLAN - MULT-PURPOSE

1/8" = 1'-0"



B A3.5 FLOOR PATTERN PLAN- MULTI-PURPOSE

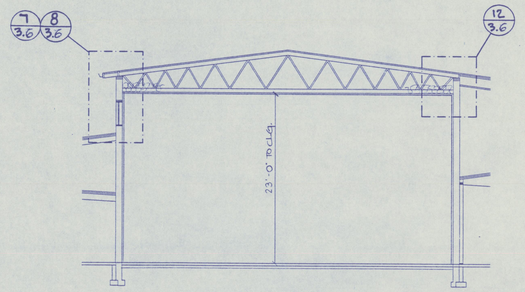
1/8" = 1'-0"



C A3.5 FLOOR PLAN - MULTI-PURPOSE

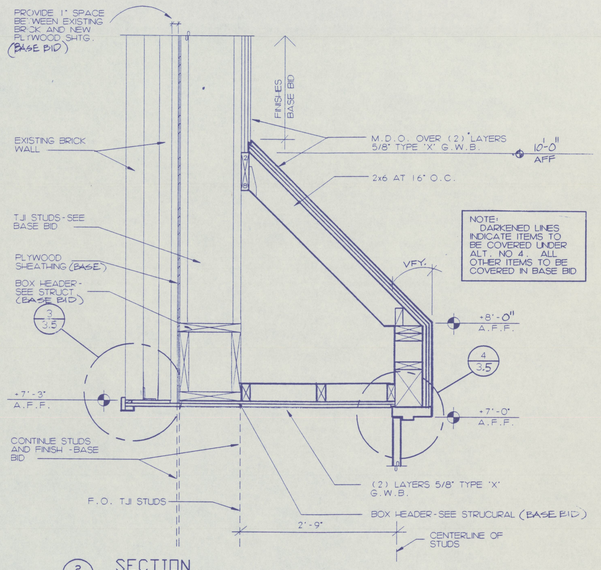
1/8" = 1'-0"

PROJECT NORTH



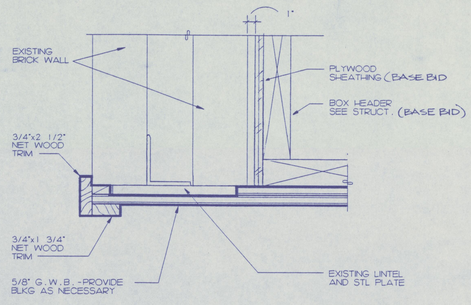
1 A3.5 BUILDING SECTION MULTI-PURPOSE

Scale: 1/8" = 1'-0"



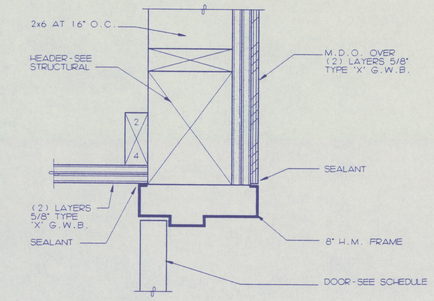
2 A3.5 SECTION

Scale: 1" = 1'-0"



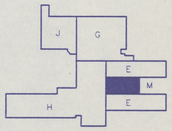
3 A3.5 TRIM DETAIL

Scale: 3" = 1'-0"



4 A3.5 HEAD DETAIL

Scale: 3" = 1'-0"



CSC ARCHITECTS
601 MAIN, SUITE 412
VANCOUVER, WA 98660
(206) 694-5208 FAX 694-5641
1146 DOUGLAS, SUITE G
LONGVIEW, WA 98632
(206) 425-3030 FAX 425-6768

THIS DOCUMENT, AND THE IDEAS AND DESIGNS, INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CSC/ SHAW, COLLINS ARCHITECTS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CSC/SHAW, COLLINS ARCHITECTS.

DRAWN BY:

DATE: 4-6-93

REVISED:

(ALTERNATE NO 4) MULTI-PURPOSE DRAWINGS

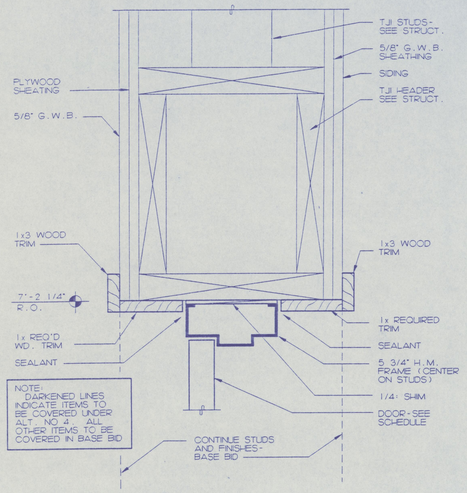
PE ELL SCHOOL MODERNIZATION
PE ELL SCHOOL DISTRICT

SEAL:

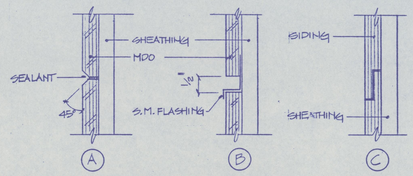
REGISTERED ARCHITECT
CRAIG M. COLLINS
STATE OF WASHINGTON

SHEET NUMBER: A3.5

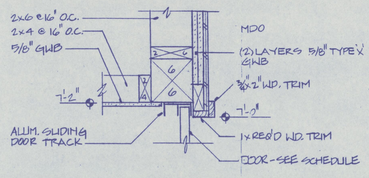
JOB NUMBER: 9231



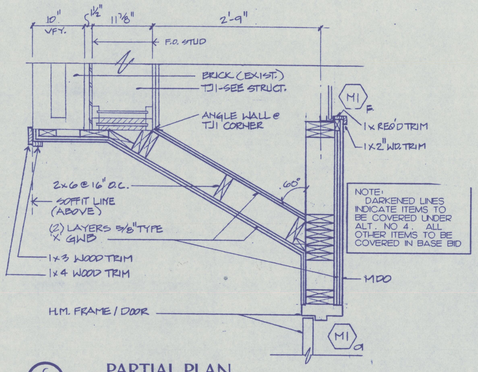
1 A3.6 HEAD DETAIL
Scale: 3" = 1'-0"



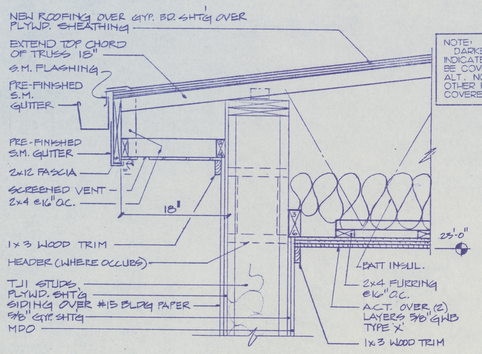
4 3.6 JOINT DETAILS
HALF SCALE



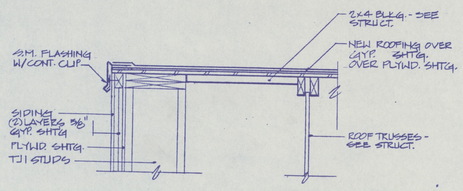
5 3.6 HEAD DETAIL
11/2"=1'-0"



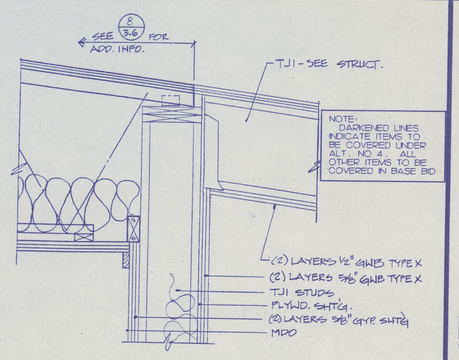
6 3.6 PARTIAL PLAN
1"=1'-0"



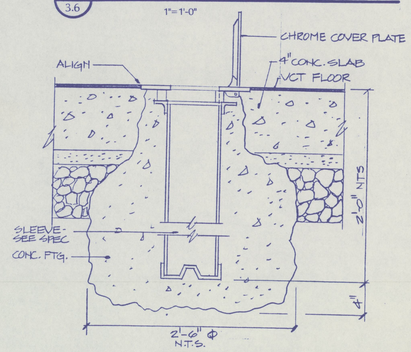
8 3.6 EAVE DETAIL
1"=1'-0"



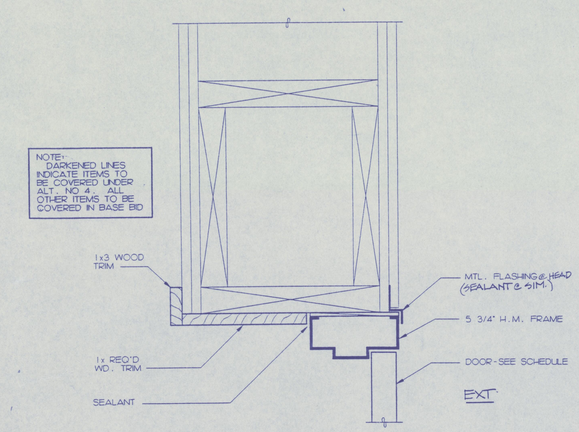
9 3.6 EDGE DETAIL
1"=1'-0"



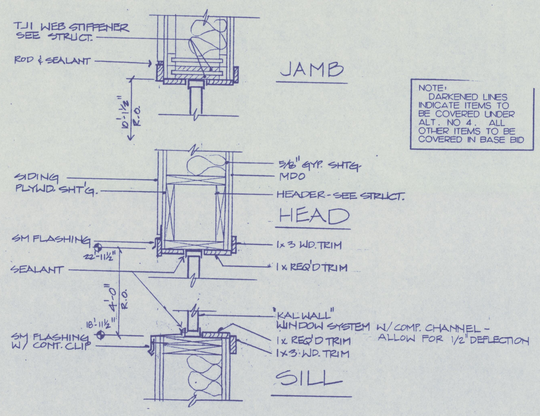
12 3.6 ROOF DETAIL
1"=1'-0"



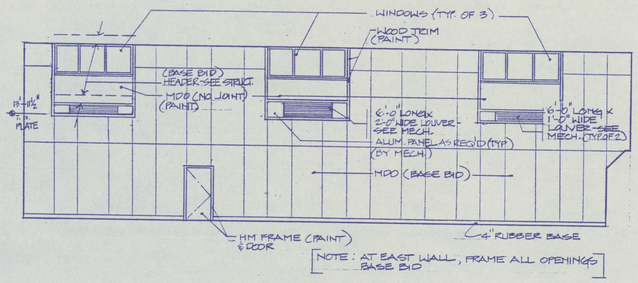
13 A3.6 SUPPORT DETAIL



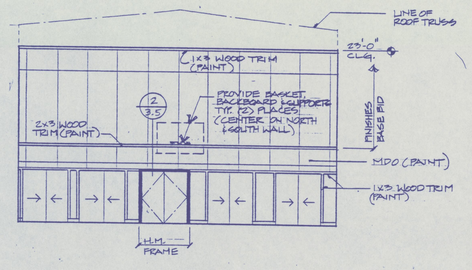
3 A3.6 HEAD DETAIL (JAMB SIM.)
Scale: 3" = 1'-0"



7 3.6 WINDOW DETAILS
1"=1'-0"



10 3.6 EAST ELEVATION
1/8"=1'-0"



11 3.6 SOUTH ELEVATION
1/8"=1'-0"

NOTE: WORK NOTED AT SOUTH WALL OF ROOM E27 AND IN DETAIL 2/S6 IS NOT REQUIRED IF ALTERNATE NO. 4 IS ACCEPTED. THE DEDUCT FOR THIS WORK SHOULD BE INCLUDED WITHIN ALTERNATE BID NO. 4.

CSC ARCHITECTS
601 MAIN, SUITE 400
VANCOUVER, WA 98660
(206) 694-5538 FAX 694-5641
1108 DOUGLAS, SUITE G
LONGVIEW, WA 98632
(206) 425-3030 FAX 425-6788

THIS DOCUMENT, AND THE IDEAS AND DESIGNS, INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CROOK, SHAW, COLLINS ARCHITECTS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT, WITHOUT THE WRITTEN AUTHORIZATION OF CROOK, SHAW, COLLINS ARCHITECTS.

DRAWN BY:

DATE: 4-6-93
REVISED:

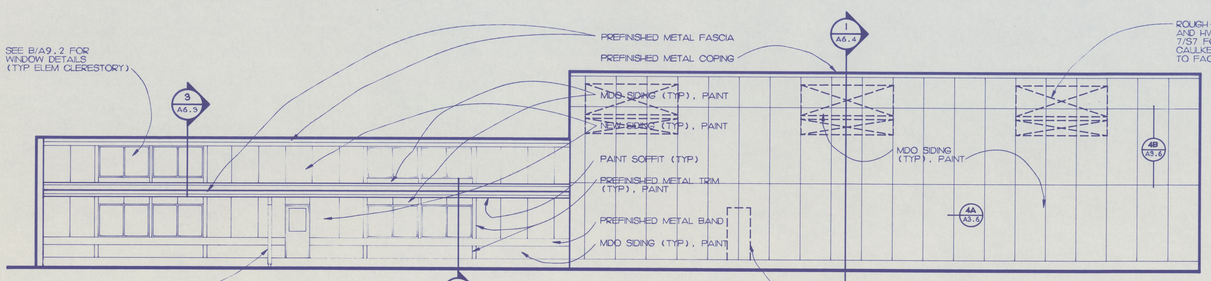
ALTERNATE NO.4 - MULTI-PURPOSE - DETAILS

PE ELL SCHOOL MODERNIZATION
PE ELL SCHOOL DISTRICT

SEAL:
4331 REGISTERED ARCHITECT CRAIGAL COLLINS STATE OF WASHINGTON

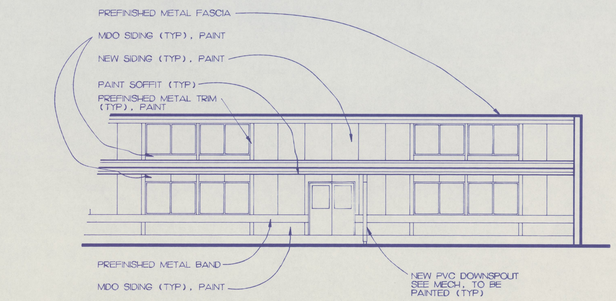
SHEET NUMBER:
A3.6

JOB NUMBER:
9231



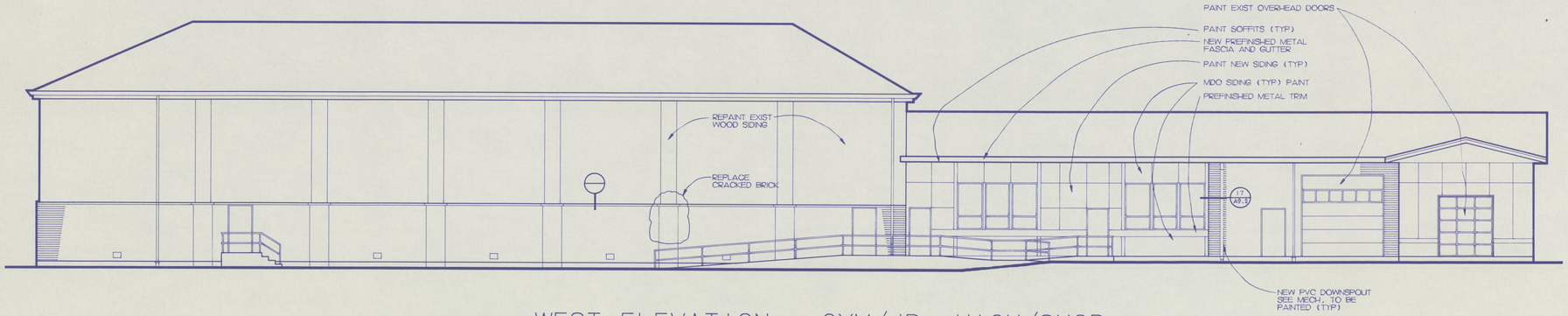
WEST ELEVATION — EAST ELEM WING

Scale: 1/8" = 1'-0"



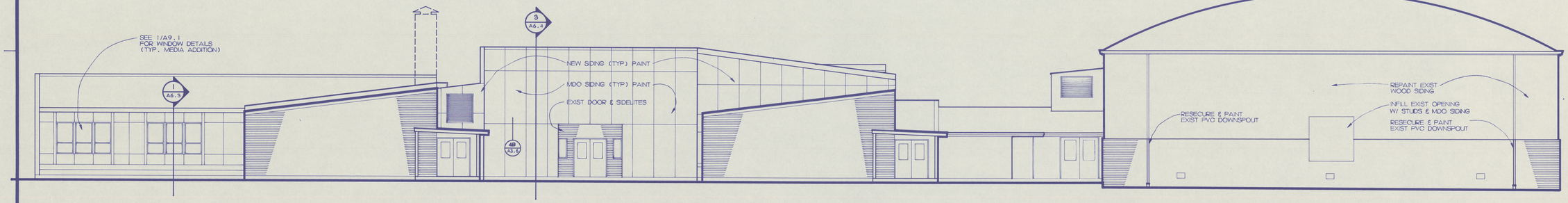
WEST ELEVATION — WEST ELEM WING

Scale: 1/8" = 1'-0"



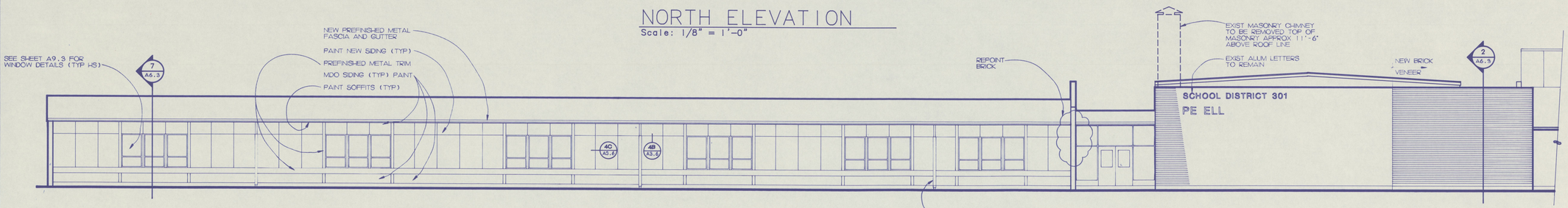
WEST ELEVATION — GYM/JR. HIGH/SHOP

Scale: 1/8" = 1'-0"



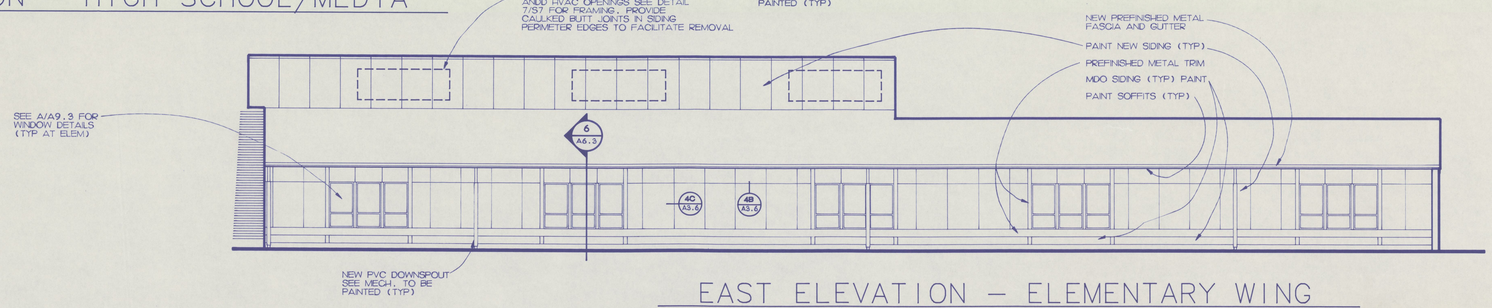
NORTH ELEVATION

Scale: 1/8" = 1'-0"



EAST ELEVATION — HIGH SCHOOL/MEDIA

Scale: 1/8" = 1'-0"



EAST ELEVATION — ELEMENTARY WING

Scale: 1/8" = 1'-0"

CSC ARCHITECTS
601 MAIN, SUITE 400
VANCOUVER, WA 98660
(206) 694-5528 FAX 694-5641
1106 DOUGLAS, SUITE G
LONGVIEW, WA 98632
(206) 425-3030 FAX 425-6768

THIS DOCUMENT AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CROOK, SHAW, COLLINS ARCHITECTS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT, WITHOUT THE WRITTEN AUTHORIZATION OF CROOK, SHAW, COLLINS ARCHITECTS.

DRAWN BY:

DATE: 4-6-93

REVISED:

EXTERIOR ELEVATIONS

PE ELL SCHOOL MODERNIZATION AND ADDITION
PE ELL SCHOOL DISTRICT

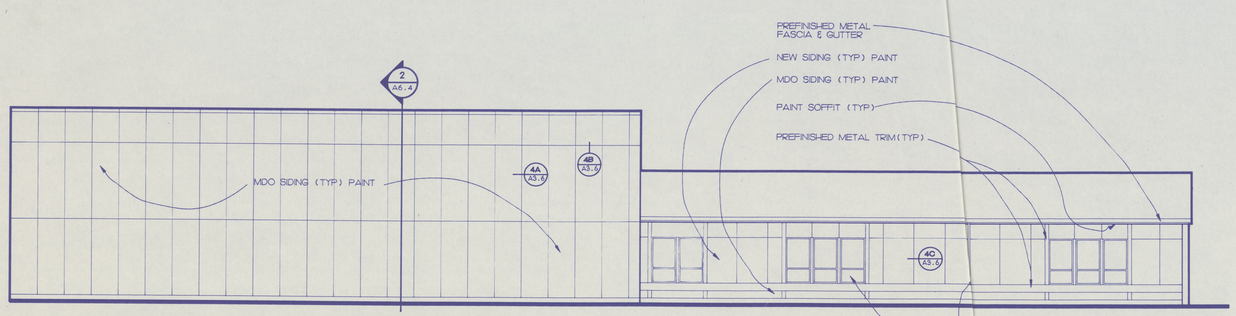
SEAL:

9231 REGISTERED ARCHITECT CRAIG M. COLLINS STATE OF WASHINGTON

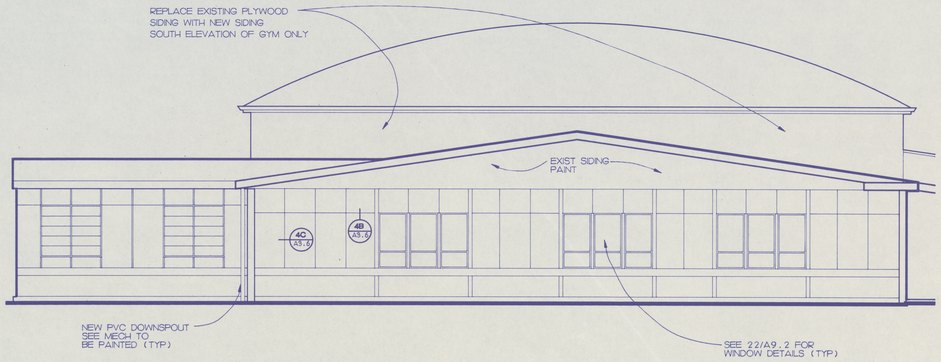
SHEET NUMBER: A4.1

JOB NUMBER: 9231

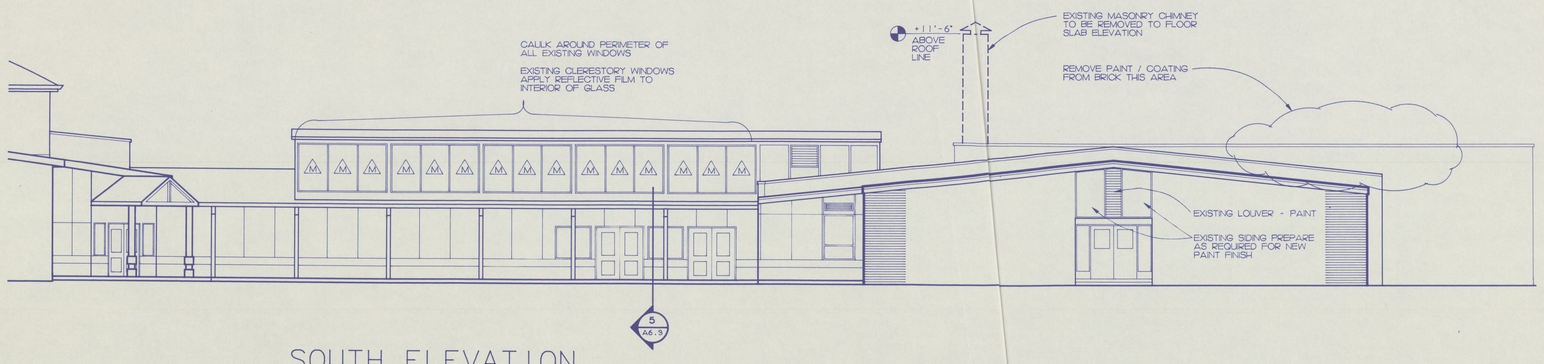
J-2 BLUE PRINT & SUPPLY



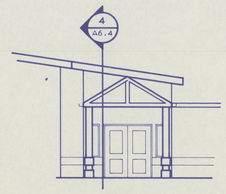
EAST ELEVATION (ELEMENTARY COURT YARD)
Scale: 1/8" = 1'-0"



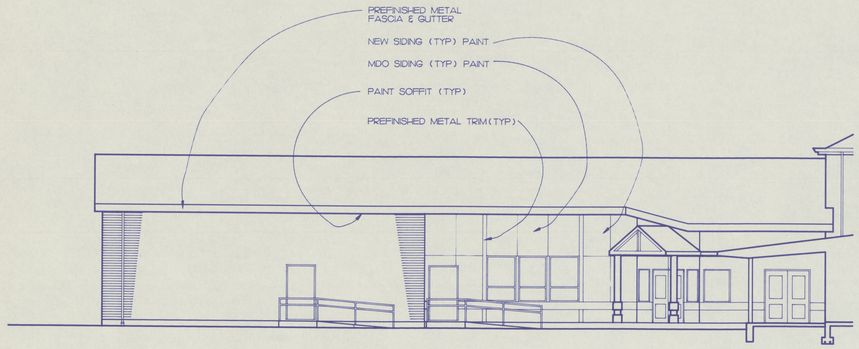
SOUTH ELEVATION
Scale: 1/8" = 1'-0"



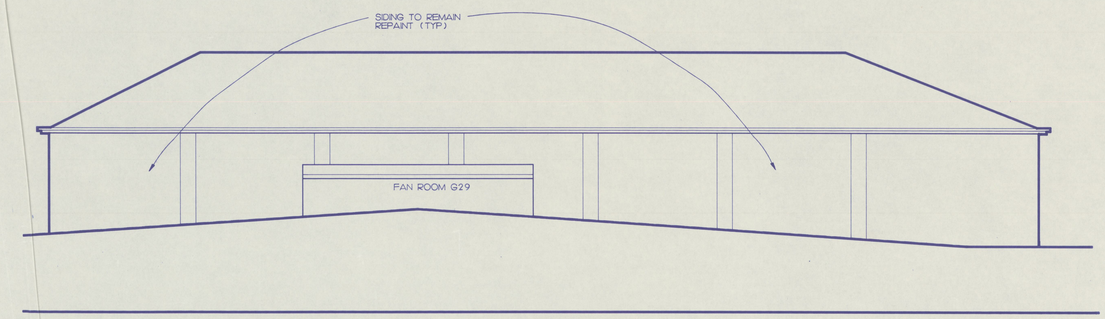
SOUTH ELEVATION
Scale: 1/8" = 1'-0"



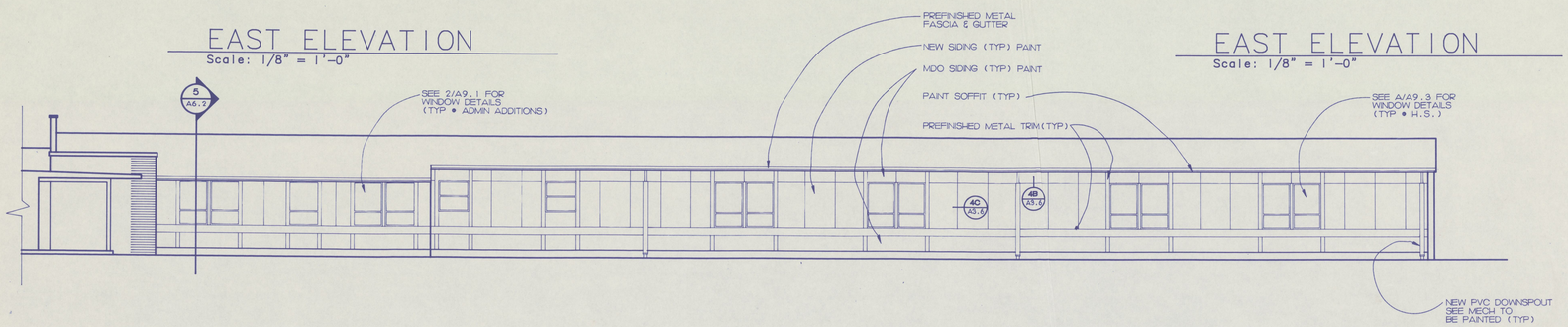
NEW ENTRY
Scale: 1/8" = 1'-0"



EAST ELEVATION
Scale: 1/8" = 1'-0"



EAST ELEVATION
Scale: 1/8" = 1'-0"



WEST ELEVATION – HIGH SCHOOL
Scale: 1/8" = 1'-0"

CSC ARCHITECTS
1106 DOUGLAS, SUITE G
LAKE STEVENS, WA 98258
(206) 425-3030 FAX 425-6768
601 MAIN, SUITE 400
VANCOUVER, WA 98660
(206) 694-5528 FAX 694-5641

THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CROOK, SHAW, COLLINS ARCHITECTS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CROOK, SHAW, COLLINS ARCHITECTS.

DRAWN BY:

DATE: 4-6-93

REVISED:

EXTERIOR ELEVATIONS

PE ELL SCHOOL MODERNIZATION AND ADDITIONS
PE ELL SCHOOL DISTRICT

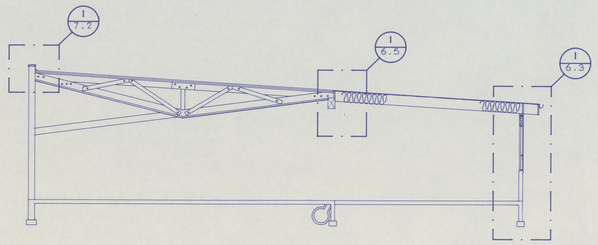
SEAL:

4331 REGISTERED ARCHITECT
CRAIG M. COLLINS
STATE OF WASHINGTON

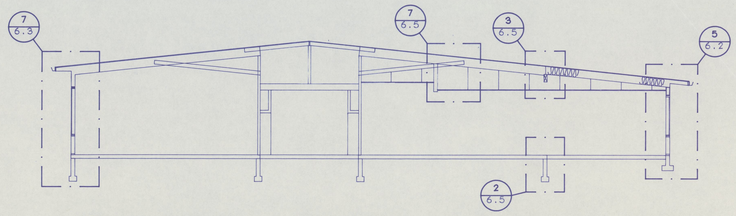
SHEET NUMBER: A4.2

JOB NUMBER: 9231

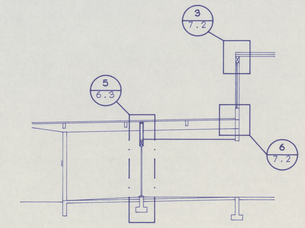
103360
J-2 BLUE PRINT & SUPPLY



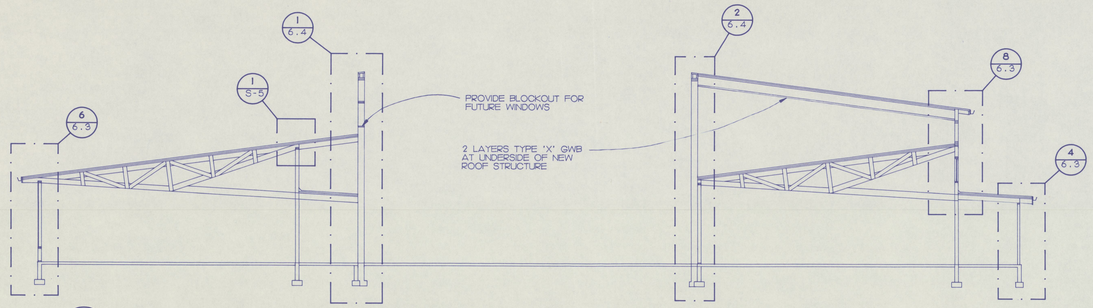
1 A6.1 BUILDING SECTION LIBRARY ADDITION
Scale: 1/8" = 1'-0"



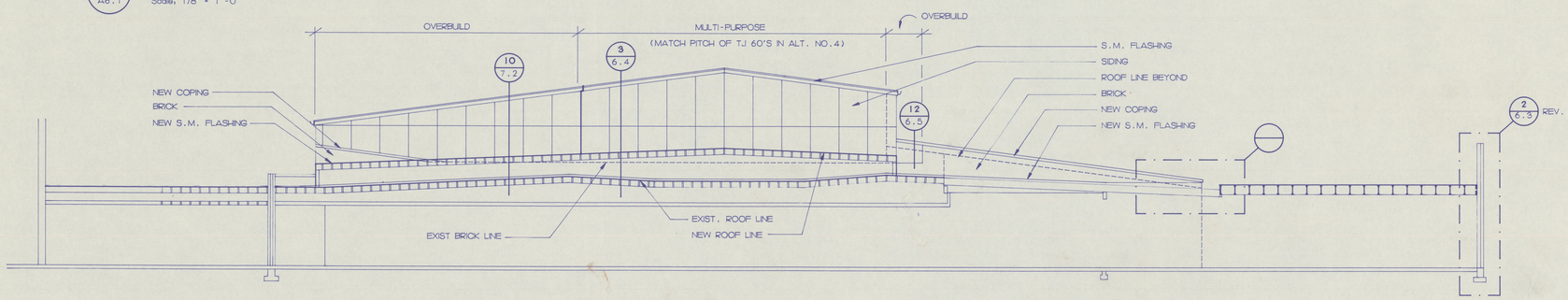
2 A6.1 BUILDING SECTION ADMINISTRATION ADDITION
Scale: 1/8" = 1'-0"



3 A6.1 SECTION @ CAFETERIA
Scale: 1/8" = 1'-0"

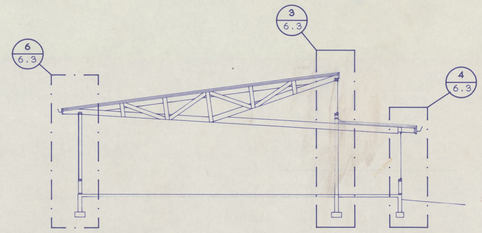


4 A6.1 BUILDING SECTION MULTI-PURPOSE
Scale: 1/8" = 1'-0"



5 A6.1 SECTION THRU CORRIDOR/PARTIAL ELEVATION ABOVE
Scale: 1/8" = 1'-0"

6 A6.1 NOT USED
Scale: 1/8" = 1'-0"



7 A6.1 BUILDING SECTION @ ELEMENTARY
Scale: 1/8" = 1'-0"

CSC ARCHITECTS
601 MAIN, SUITE 400
VANCOUVER, WA 98660
(206) 694-5528 FAX 694-5641
1106 DOUGLAS, SUITE G
LONGVIEW, WA 98632
(206) 425-3030 FAX 425-6768

THIS DOCUMENT, AND THE IDEAS AND DESIGNS, INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CROOK, SHAW, COLLINS ARCHITECTS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CROOK, SHAW, COLLINS ARCHITECTS.

DRAWN BY:

DATE: 4-6-93
REVISED:

BUILDING SECTIONS

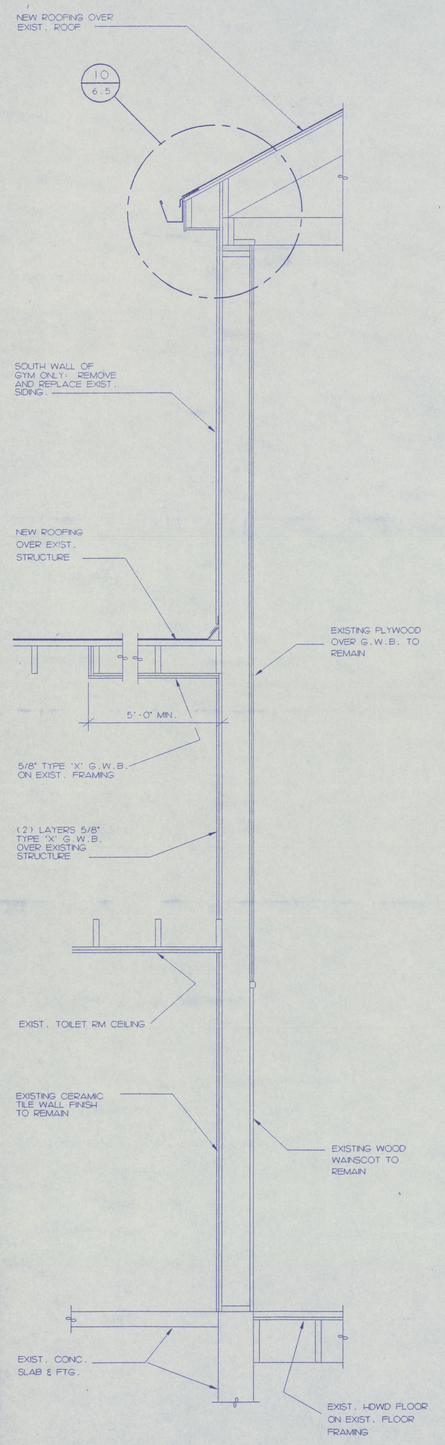
PE ELL SCHOOL MODERNIZATION AND ADDITIONS
PE ELL SCHOOL DISTRICT

SEAL:
4331 REGISTERED ARCHITECT
CRAIG M. COLLINS
STATE OF WASHINGTON

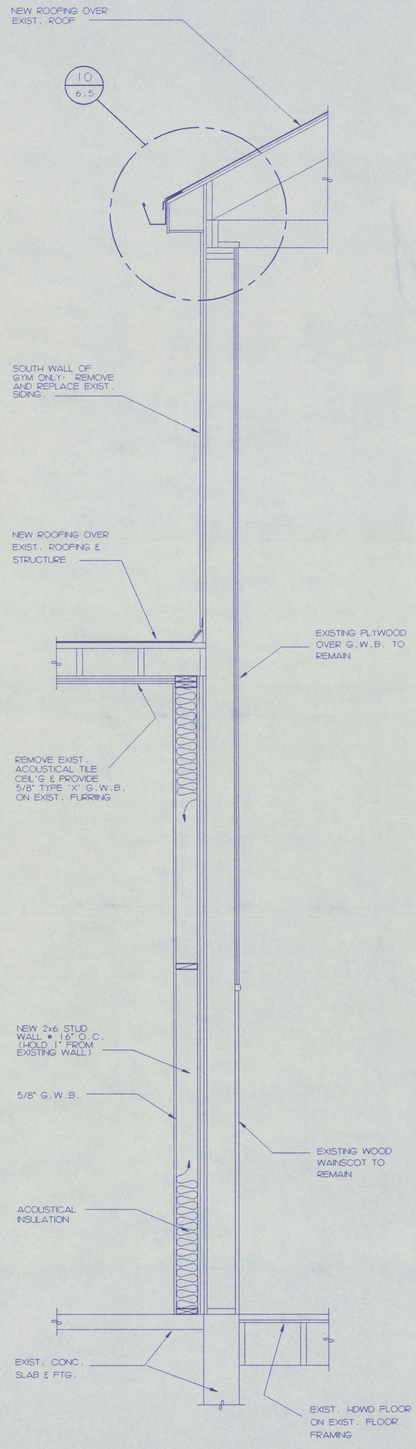
SHEET NUMBER: A6.1

JOB NUMBER: 9231

J-2 BLUE PRINT & SUPPLY



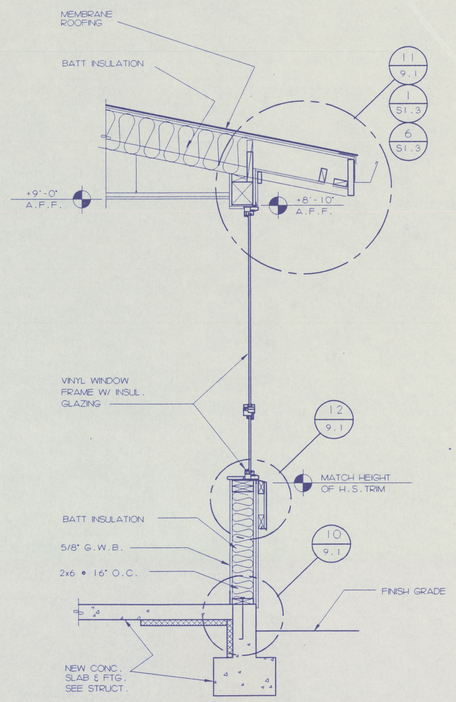
1 A6.2 WALL SECTION
Scale: 3/4" = 1'-0"



2 A6.2 WALL SECTION
Scale: 3/4" = 1'-0"

3 A6.2 NOT USED
Scale: 3/4" = 1'-0"

4 A6.2 NOT USED
Scale: 3/4" = 1'-0"



5 A6.2 WALL SECTION
Scale: 3/4" = 1'-0"

CSC ARCHITECTS
1106 DOUGLAS, SUITE G
LOPEZ ISLAND, WA 98261
(206) 425-3030 FAX 425-6768
601 MAIN, SUITE 402
WINTHROP, WA 98862
(206) 694-5328 FAX 694-5641

THIS DOCUMENT, AND THE IDEAS AND DESIGNS, INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CROOK, SHAW & COLLINS, ARCHITECTS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CROOK, SHAW, COLLINS ARCHITECTS.

DRAWN BY:

DATE: 4-6-93
REVISED:

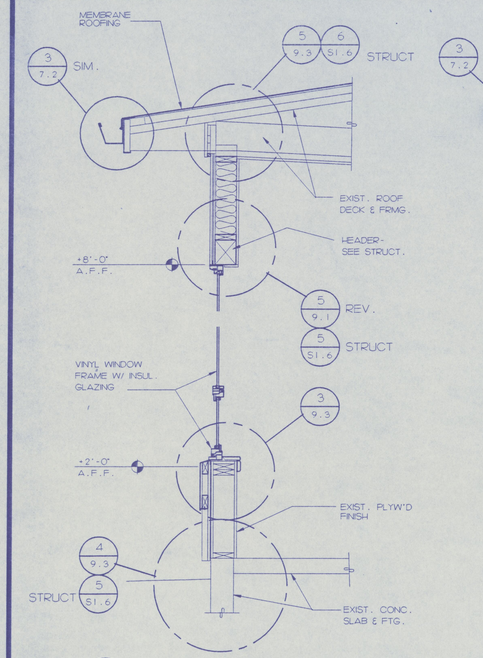
WALL SECTIONS

PE ELL SCHOOL MODERNIZATION AND ADDITIONS
PE ELL SCHOOL DISTRICT

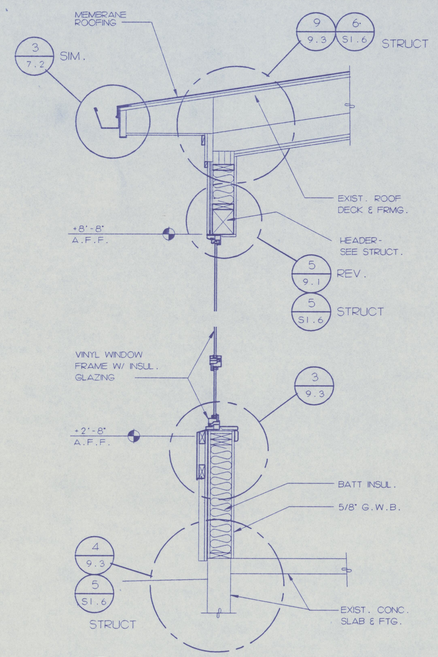
SEAL:
4231 REGISTERED ARCHITECT CRAIG M. COLLINS STATE OF WASHINGTON

SHEET NUMBER:
A6.2

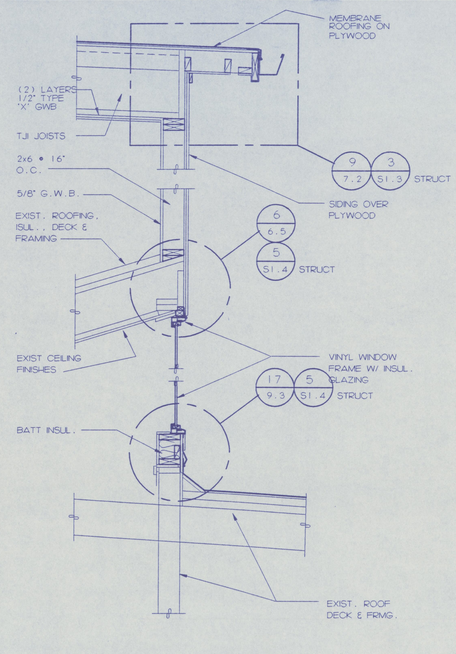
JOB NUMBER:
9231



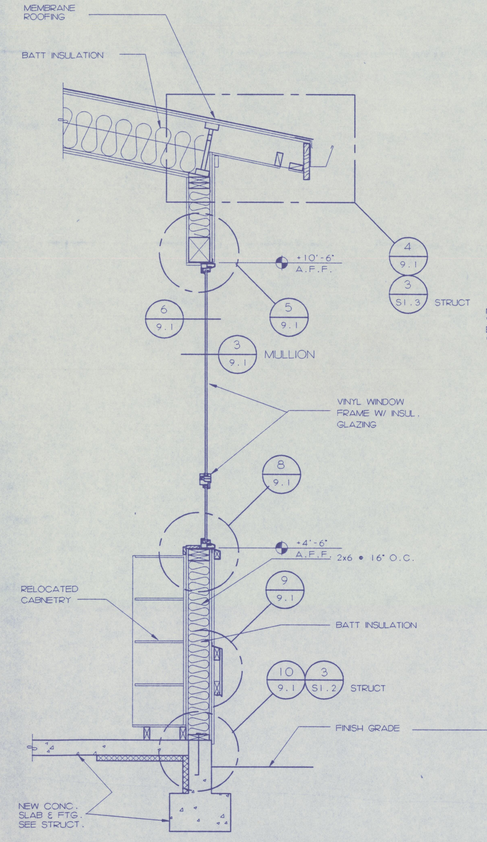
6 A6.3 **WALL SECTION** (ELEMENTARY)
Scale: 3/4" = 1'-0"



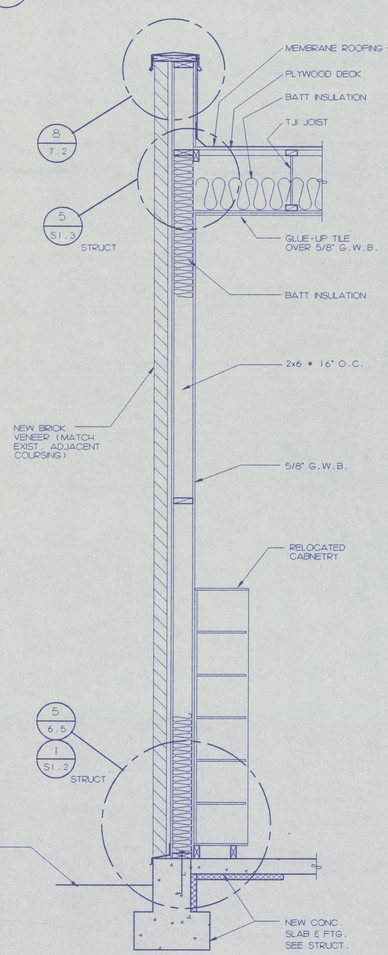
7 A6.3 **WALL SECTION** (HIGH SCHOOL)
Scale: 3/4" = 1'-0"



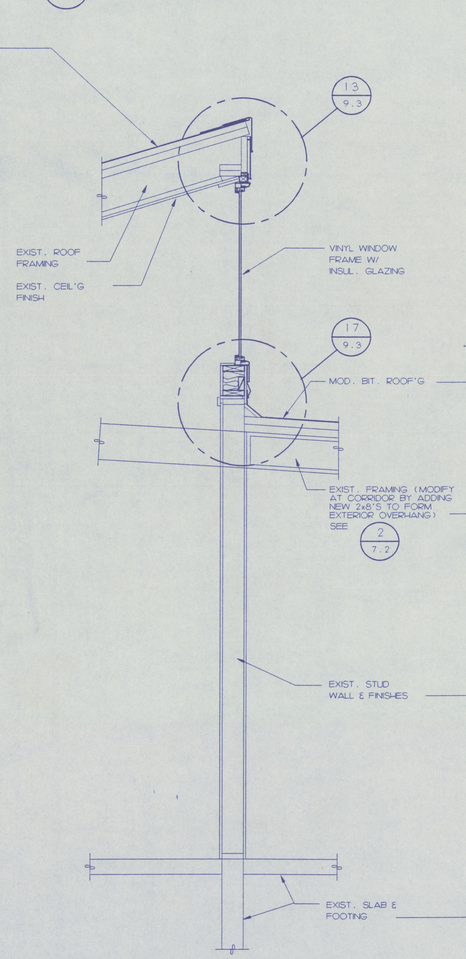
8 A6.3 **WALL SECTION**
Scale: 3/4" = 1'-0"



1 A6.3 **WALL SECTION**
Scale: 3/4" = 1'-0"



2 A6.3 **WALL SECTION**
Scale: 3/4" = 1'-0"



3 A6.3 **WALL SECTION**
Scale: 3/4" = 1'-0"



4 A6.3 **WALL SECTION**
Scale: 3/4" = 1'-0"



5 A6.3 **WALL SECTION**
Scale: 3/4" = 1'-0"

CSC ARCHITECTS
601 MAIN, SUITE 402
VANCOUVER, WA 98660
(206) 694-5328 FAX 694-5841
1126 DOUGLAS, SUITE G
LONGVIEW, WA 98632
(206) 425-3030 FAX 425-6768

THIS DOCUMENT, AND THE IDEAS AND DESIGNS, INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CROOK, SHAW, COLLINS ARCHITECTS, INC. AND SHALL NOT BE USED IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CROOK, SHAW, COLLINS ARCHITECTS.

DRAWN BY:

DATE: 4-6-93
REVISED:

WALL SECTIONS

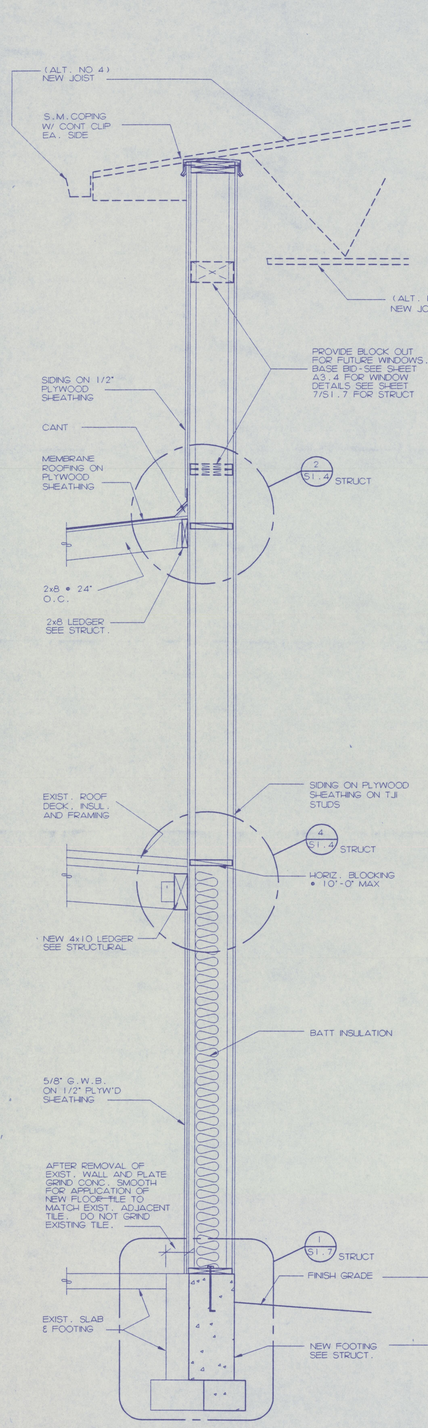
PE ELL SCHOOL MODERNIZATION AND ADDITIONS
PE ELL SCHOOL DISTRICT

SEAL:

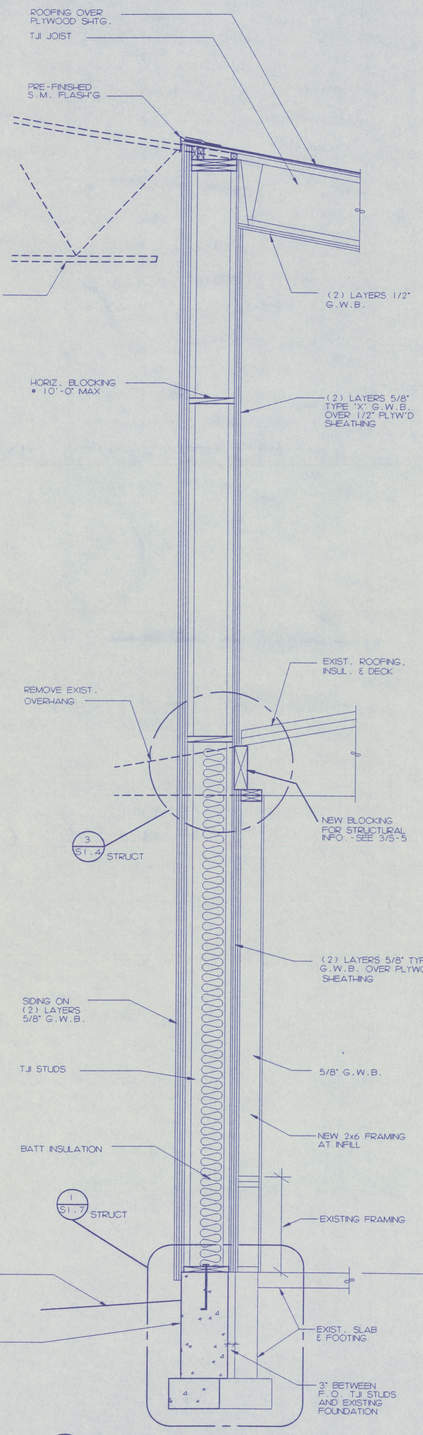
REGISTERED ARCHITECT
CRAIG M. COLLINS
STATE OF WASHINGTON

SHEET NUMBER:
A6.3

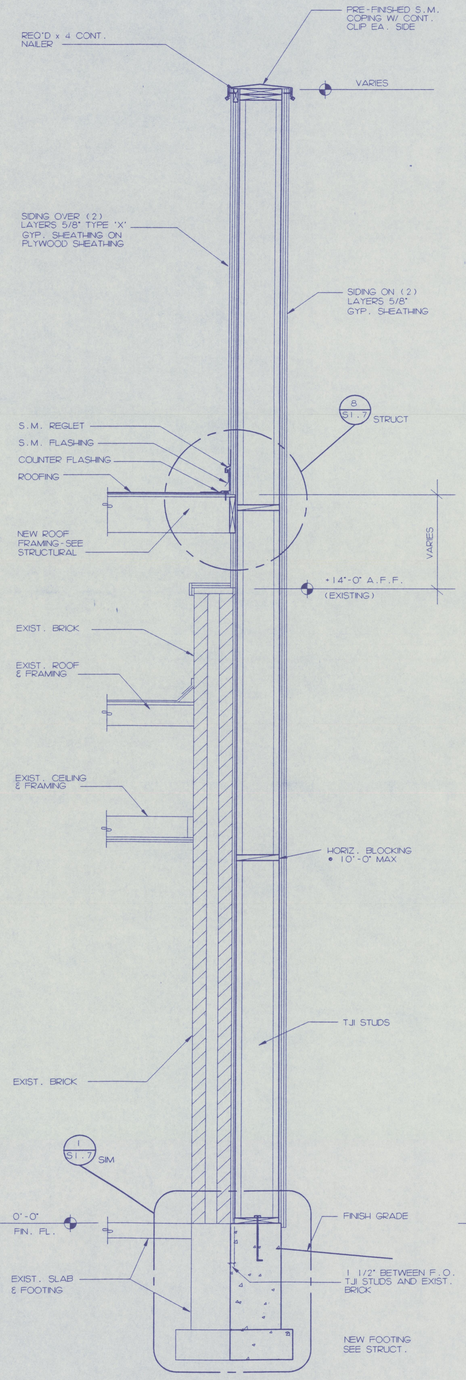
JOB NUMBER:
9231



1 A6.4 WALL SECTION
Scale: 3/4" = 1'-0"



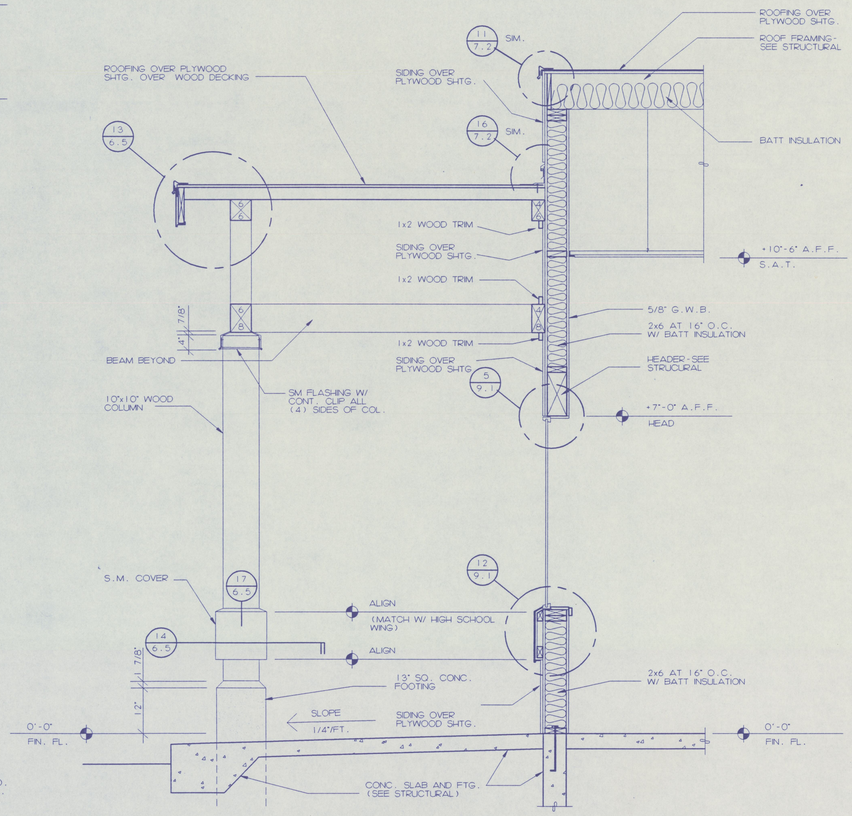
2 A6.4 WALL SECTION
Scale: 3/4" = 1'-0"



3 A6.4 WALL SECTION
Scale: 3/4" = 1'-0"



5 A6.4 SECTION/ELEVATION
Scale: 1/2" = 1'-0"



4 A6.4 PARTIAL SECTION
Scale: 3/4" = 1'-0"

CSC ARCHITECTS
601 MAIN, SUITE 402
VANCOUVER, WA 98660
(206) 694-3528 FAX 694-5641
1106 DOUGLAS, SUITE G
LONGVIEW, WA 98632
(206) 425-3030 FAX 425-6788

THIS DOCUMENT, AND THE IDEAS AND DESIGNS, INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CROOK, SHAW, COLLINS ARCHITECTS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CROOK, SHAW, COLLINS ARCHITECTS.

DRAWN BY:

DATE: 4-6-93
REVISED:

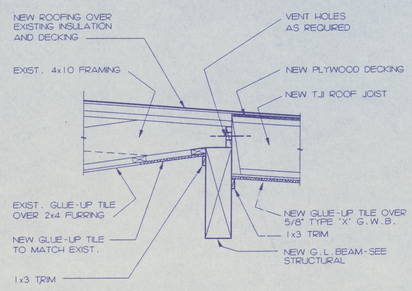
WALL SECTIONS

PE ELL SCHOOL MODERNIZATION AND ADDITIONS
PE ELL SCHOOL DISTRICT

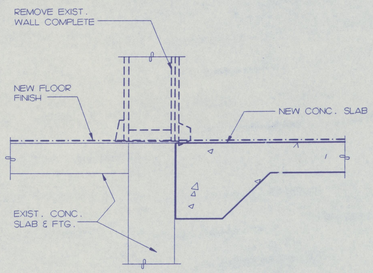
SEAL:
4031 REGISTERED ARCHITECT CRAIG M. COLLINS STATE OF WASHINGTON

SHEET NUMBER: A6.4

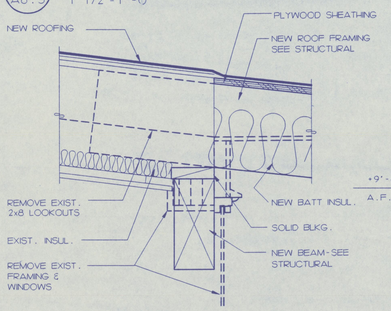
JOB NUMBER: 9231



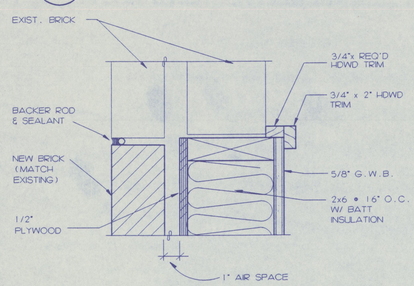
1 A6.5 SECTION
1" = 1'-0"



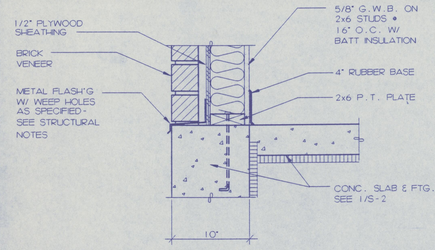
2 A6.5 SECTION
1 1/2"=1'-0"



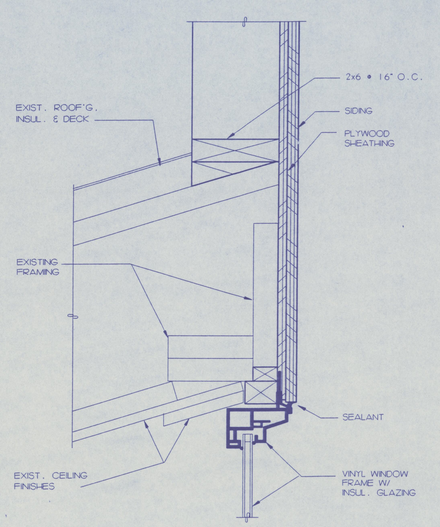
3 A6.5 SECTION
1 1/2"=1'-0"



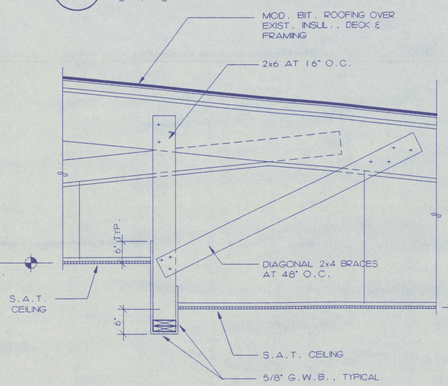
4 A6.5 SECTION
3"=1'-0"



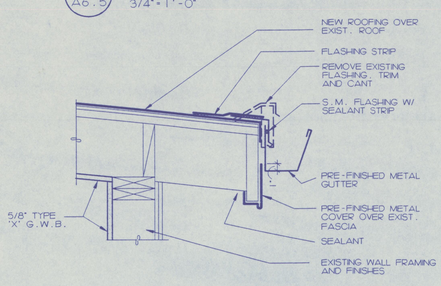
5 A6.5 BASE OF WALL
1 1/2"=1'-0"



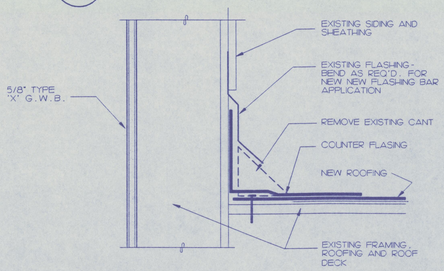
6 A6.5 WALL DETAIL
3"=1'-0"



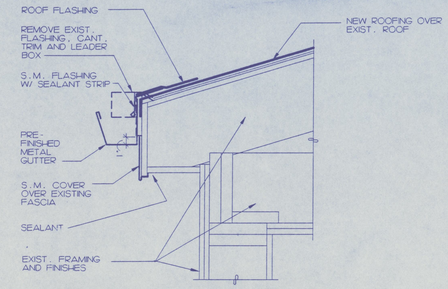
7 A6.5 SECTION
3/4"=1'-0"



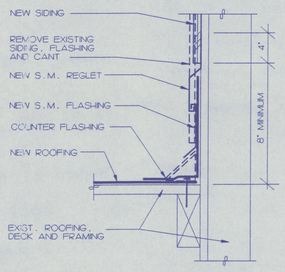
8 A6.5 EAVE DETAIL
1 1/2"=1'-0"



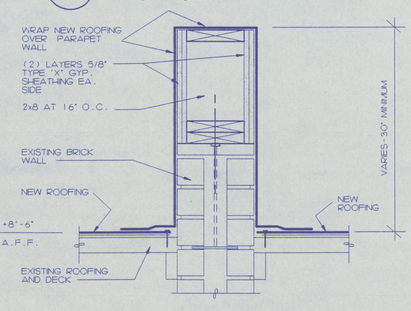
9 A6.5 BASE DETAIL
3"=1'-0"



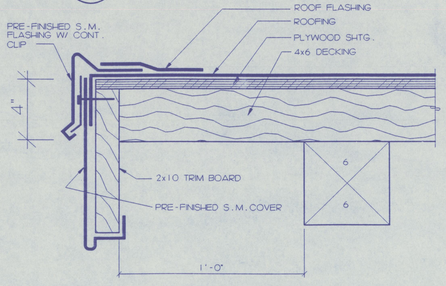
10 A6.5 EAVE DETAIL
1 1/2"=1'-0"



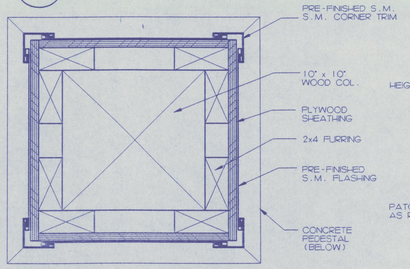
11 A6.5 BASE DETAIL
1 1/2"=1'-0"



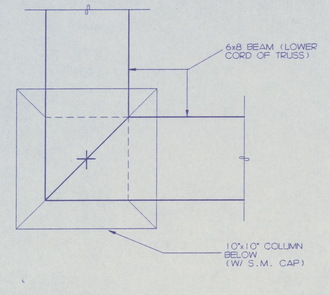
12 A6.5 PARAPET DETAIL
1 1/2"=1'-0"



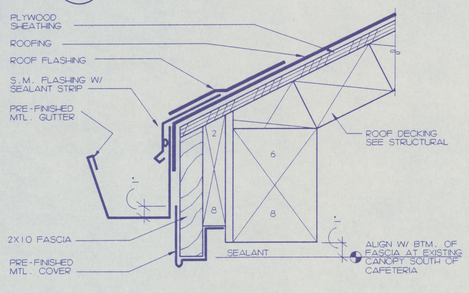
13 A6.5 SECTION
3"=1'-0"



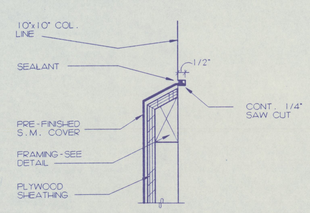
14 A6.5 PLAN SECTION
3"=1'-0"



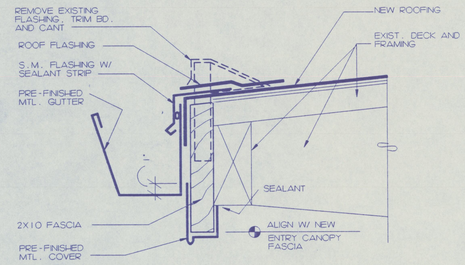
15 A6.5 PLAN SECTION
3"=1'-0"



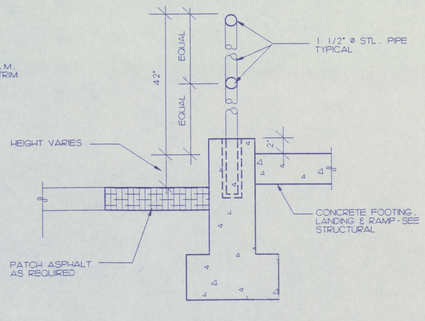
16 A6.5 SECTION
3"=1'-0"



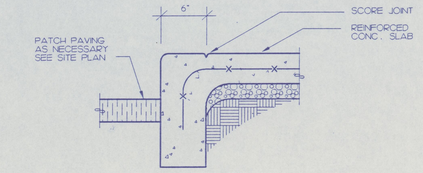
17 A6.5 FLASHING DETAIL
3"=1'-0"



18 A6.5 FLASHING DETAIL
3"=1'-0"



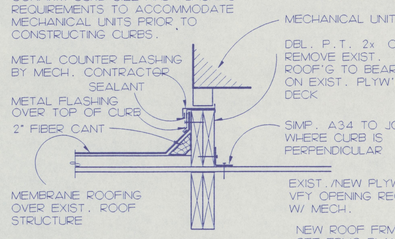
19 A6.5 HANDRAIL DETAIL
1 1/2"=1'-0"



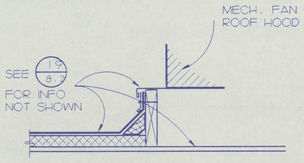
20 A6.5 CURB DETAIL
1 1/2"=1'-0"

NOTE: GENERAL CONTRACTOR TO CONFIRM CURB SIZE AND FLASHING REQUIREMENTS TO ACCOMMODATE MECHANICAL UNITS PRIOR TO CONSTRUCTING CURBS.

NOTE: SET TOP OF CURB MIN. 6" ABOVE NEW ROOF'G HEIGHT



21 A6.5 MECH. CURB DETAIL
1 1/2"=1'-0"



22 A6.5 MECH./ROOF CURB
1 1/2"=1'-0"

CSC ARCHITECTS
601 MAIN, SUITE 402
VANCOUVER, WA 98660
(206) 694-5528 FAX 694-5641
1106 DOUGLAS, SUITE G
LONGVIEW, WA 98632
(206) 425-3030 FAX 425-6768

THIS DOCUMENT, AND THE IDEAS AND DESIGNS, INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CSC/SHAW, COLLINS ARCHITECTS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CSC/SHAW, COLLINS ARCHITECTS

DRAWN BY:

DATE: 4-6-93

REVISED:

EXTERIOR DETAILS

PE ELL SCHOOL MODERNIZATION AND ADDITIONS
PE ELL SCHOOL DISTRICT

SEAL:

REGISTERED ARCHITECT
CRAIG M. COLLINS
STATE OF WASHINGTON

SHEET NUMBER: A6.5

JOB NUMBER: 9231

KEY

NEW ROOFING OVER EXISTING ROOFING. SMOOTH ALL BLISTERS IN EXISTING ROOF SURFACE AS REQUIRED.

NEW ROOFING OVER GYPSUM BOARD OVER PLYWOOD DECK OVER NEW FRAMING BUILT OVER EXISTING ROOF. REMOVE EXISTING ROOFING AS REQUIRED FOR ATTACHMENT OF NEW ROOF FRAMING

NEW ROOFING OVER GYPSUM BOARD OVER NEW PLYWOOD DECK OVER NEW ROOF FRAMING

NEW ROOFING OVER NEW TAPERED RIGID INSULATION

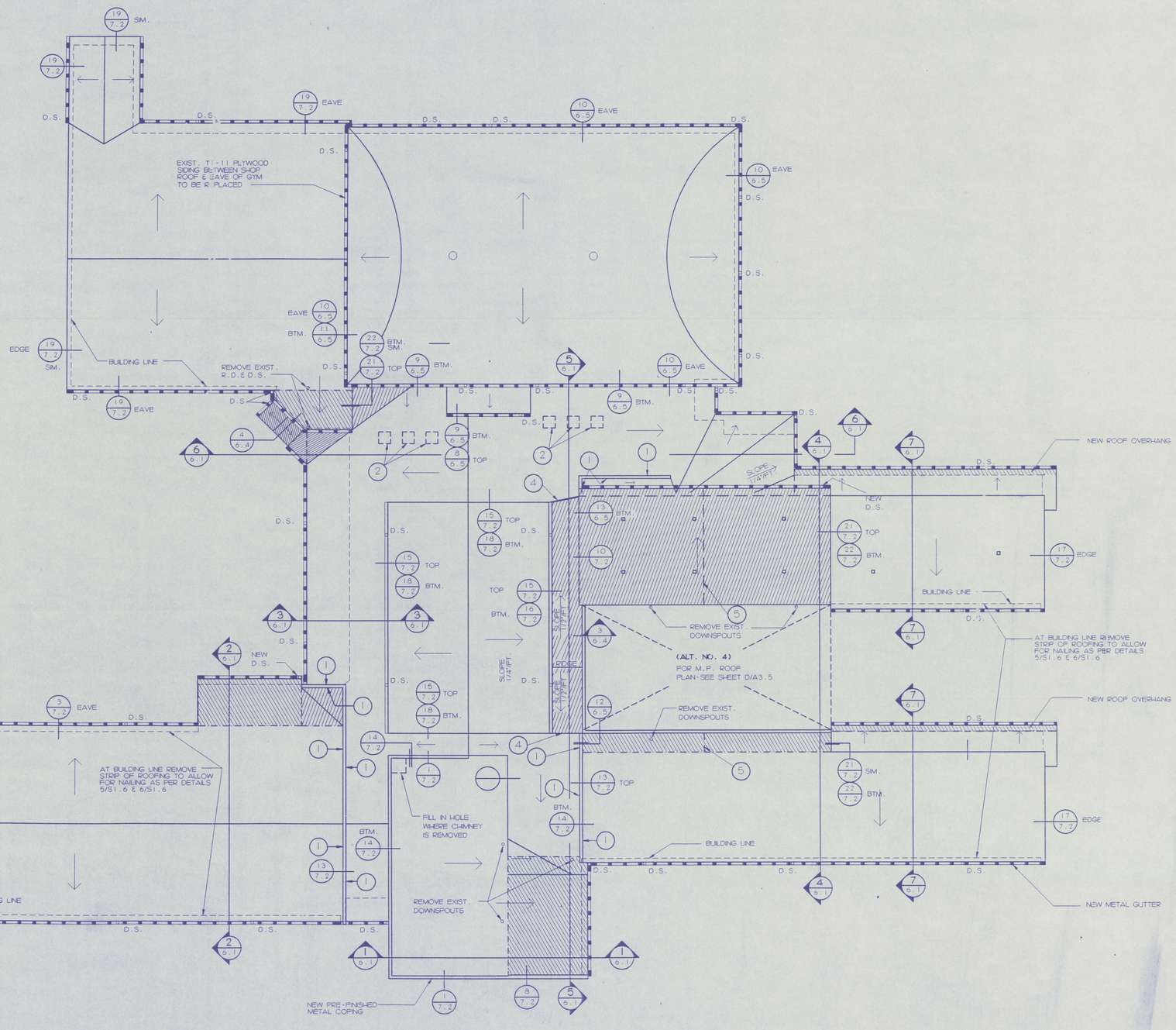
NEW ROOFING OVER NEW TAPERED RIGID INSULATION OVER NEW ROOF FRAMING AND DECK.

PRE-FINISHED SHEET METAL COPING

PRE-FINISHED METAL GUTER

NOTES

1. ROOF FLASHING FULL HEIGHT OVER TOP OF PARAPET
2. EXISTING SKYLIGHTS TO BE REMOVED. FILL IN WITH FRAMING AND SHEATHING TO MATCH EXISTING FRAMING/SHEATHING - SEE 20/7.2
3. FOR EXISTING AND NEW ROOF TOP MECHANICAL ITEMS - SEE MECHANICAL ROOF PLAN. SEE (21/A6.5 & 22/A6.5) FOR MECHANICAL UNITS AND FAN CURB DETAILS.
4. CRICKET BEHIND NEW MECHANICAL UNITS TO ALLOW FOR POSITIVE DRAINING.



ROOF PLAN
Scale: 1/16" = 1'-0"

PROJECT NORTH

CSC ARCHITECTS
601 MAIN, SUITE 402
VANCOUVER, WA. 98660
(206) 694-5326 FAX 694-5641
1106 DOUGLAS, SUITE G
LONGVIEW, WA 98632
(206) 425-3035 FAX 425-6788

THIS DOCUMENT, AND THE IDEAS AND DESIGNS, INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CSC SHAW, COLLINS ARCHITECTS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CSC SHAW, COLLINS ARCHITECTS.

DRAWN BY:

DATE: 4-6-93
REVISED:

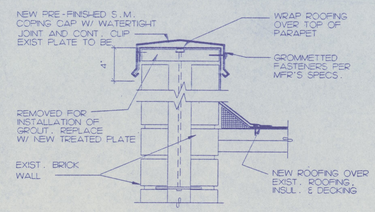
ROOF PLAN

PE ELL SCHOOL MODERNIZATION AND ADDITIONS
PE ELL SCHOOL DISTRICT

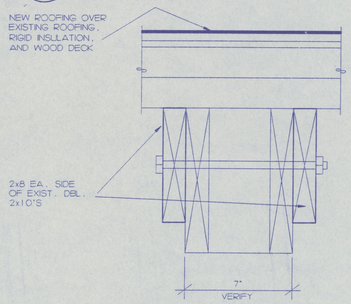
SEAL:
4331 REGISTERED ARCHITECT
CRAIG M. COLLINS
STATE OF WASHINGTON

SHEET NUMBER:
A7.1

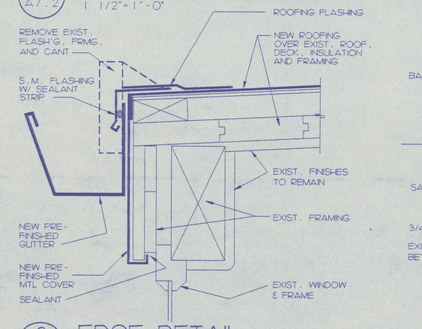
JOB NUMBER:
9231



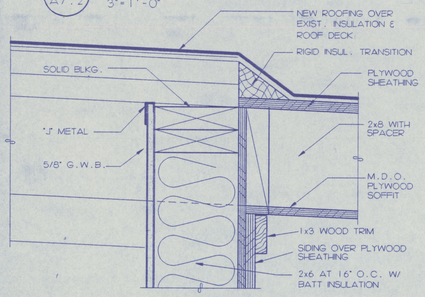
1 COPING DETAIL
A7.2 — 1 1/2"=1'-0"



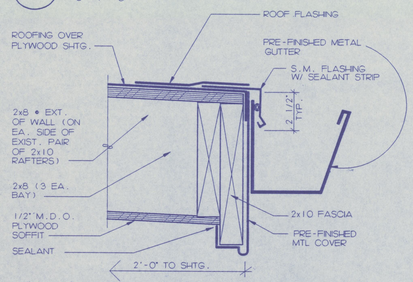
2 NOT USED
A7.2 — 1 1/2"=1'-0"



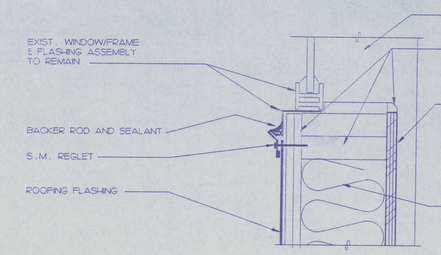
3 EDGE DETAIL
A7.2 — 3"=1'-0"



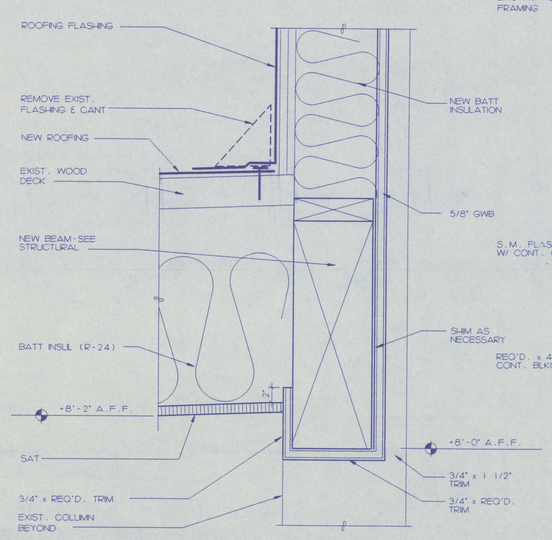
4 HEAD/FLASHING DETAIL
A7.2 — 3"=1'-0"



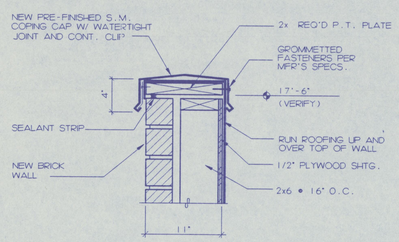
5 EAVE DETAIL
A7.2 — 3"=1'-0"



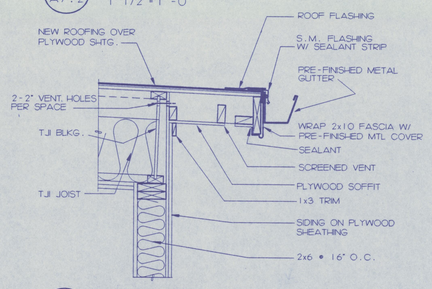
6 SILL/FLASHING DETAIL
A7.2 — 3"=1'-0"



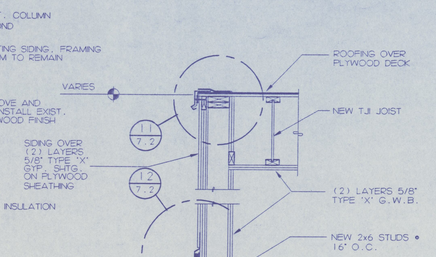
7 SECTION
A7.2 — 3"=1'-0"



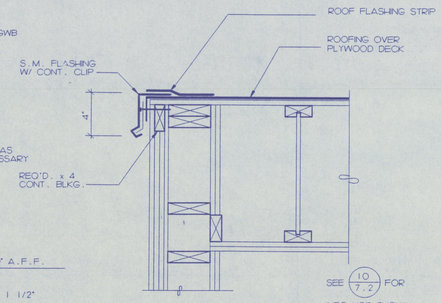
8 COPING DETAIL
A7.2 — 1 1/2"=1'-0"



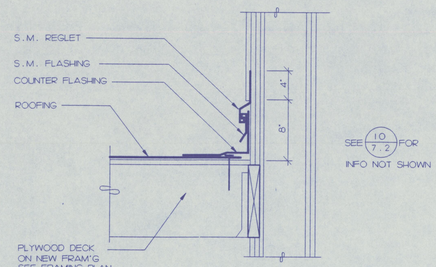
9 EAVE DETAIL
A7.2 — 1"=1'-0"



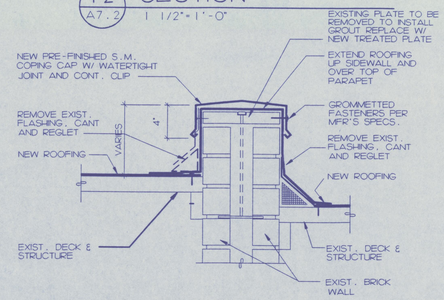
10 SECTION
A7.2 — 3/4"=1'-0"



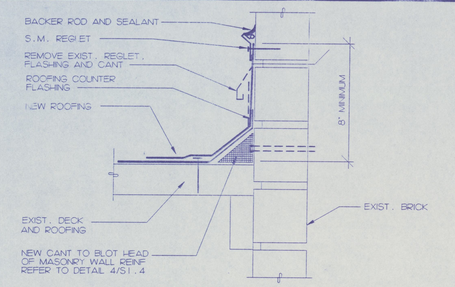
11 SECTION
A7.2 — 1 1/2"=1'-0"



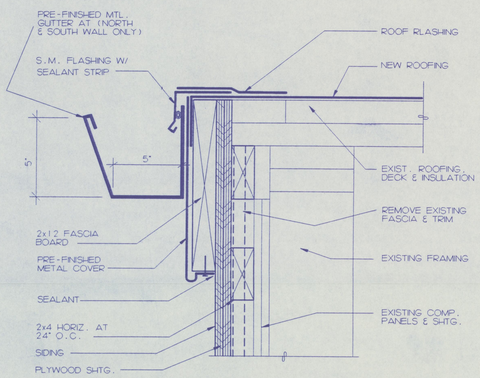
12 SECTION
A7.2 — 1 1/2"=1'-0"



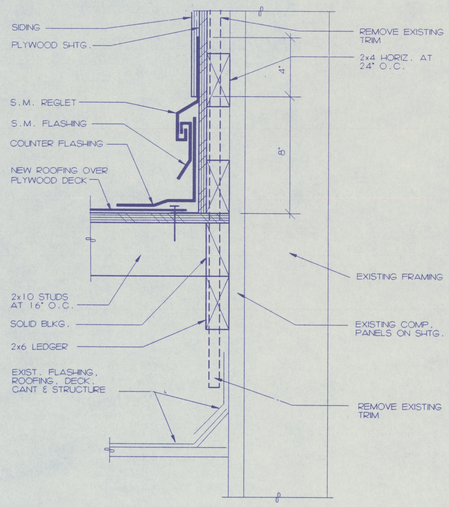
13 COPING DETAIL
A7.2 — 1 1/2"=1'-0"



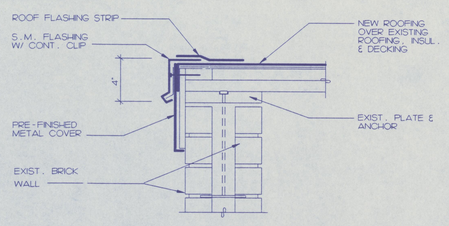
14 FLASHING DETAIL
A7.2 — 3"=1'-0"



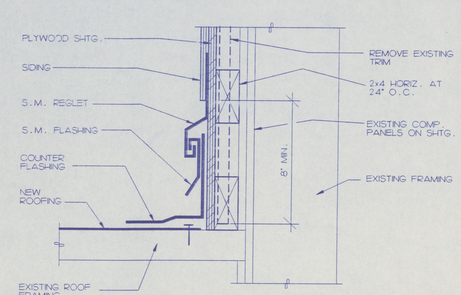
15 EDGE DETAIL
A7.2 — 3"=1'-0"



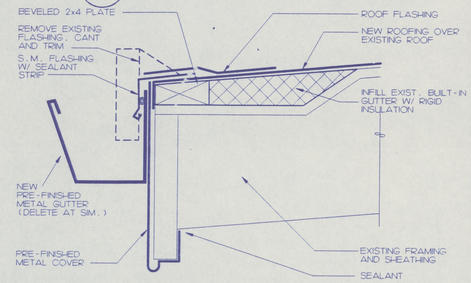
16 FLASHING DETAIL
A7.2 — 3"=1'-0"



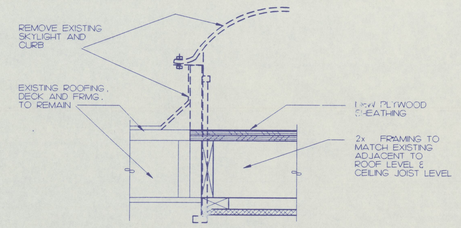
17 EDGE DETAIL
A7.2 — 1 1/2"=1'-0"



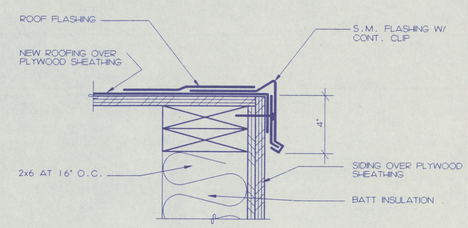
18 FLASHING DETAIL
A7.2 — 3"=1'-0"



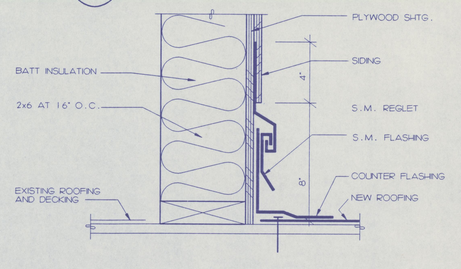
19 EAVE/EDGE DETAIL
A7.2 — 3"=1'-0"



20 SKYLIGHT INFILL
A7.2 — 1 1/2"=1'-0"



21 EDGE DETAIL
A7.2 — 3"=1'-0"



22 BASE DETAIL
A7.2 — 3"=1'-0"

CSC ARCHITECTS
1106 DOUGLAS, SUITE G
LONGVIEW, WA 98632
(206) 425-3030 FAX 425-6768
601 MAIN, SUITE 403
VANCOUVER, WA 98660
(206) 694-5528 FAX 694-5641

THIS DOCUMENT, AND THE IDEAS AND DESIGNS, INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CSC/MM COLLINS ARCHITECTS AND IS NOT TO BE USED IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CSC/MM COLLINS ARCHITECTS.

DRAWN BY:

DATE: 4-6-93
REVISED:

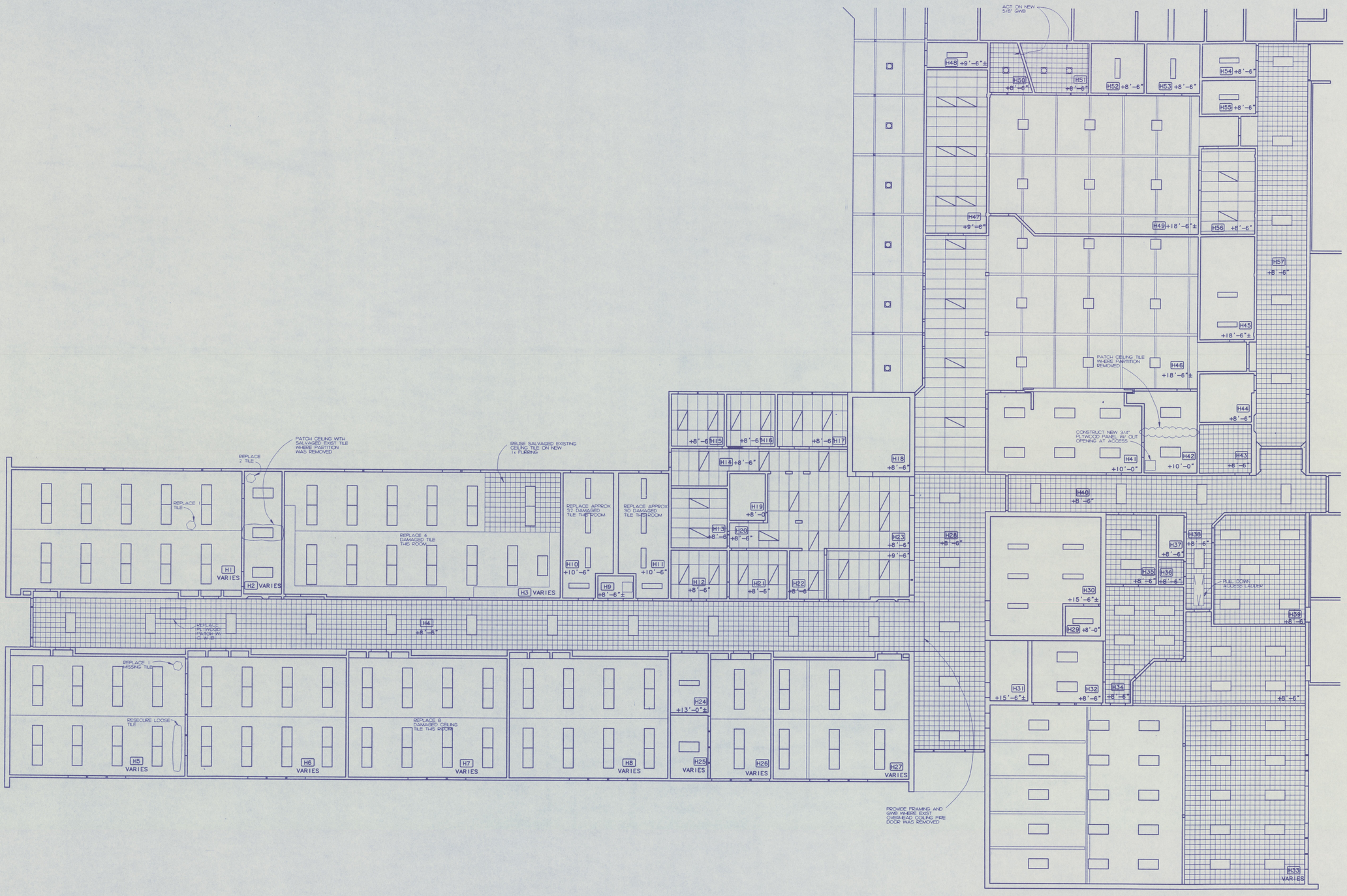
PE ELL SCHOOL MODERNIZATION AND ADDITIONS
PE ELL SCHOOL DISTRICT

ROOF DETAILS

SEAL:

SHEET NUMBER: A7.2

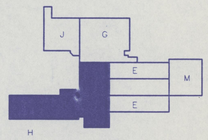
JOB NUMBER: 9231



REFLECTED CEILING PLAN – HIGH SCHOOL/MEDIA/CAFETERIA

1/8" = 1'-0"

NORTH



CSC ARCHITECTS
601 MAIN, SUITE 402
VANCOUVER, WA 98660
(206) 694-3528 FAX 694-5641
1106 DOUGLAS, SUITE G
LONGVIEW, WA 98632
(206) 425-3000 FAX 425-6788

THIS DOCUMENT, AND THE IDEAS AND DESIGNS, INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF SHAW, COLLINS ARCHITECTS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF SHAW, COLLINS ARCHITECTS.

DRAWN BY:

DATE: 4-6-93

REVISED:

REFLECTED CEILING PLAN – AREA H

PE ELL SCHOOL MODERNIZATION AND ADDITIONS
PE ELL SCHOOL DISTRICT

SEAL:

REGISTERED ARCHITECT
CRAIG M. COLLINS
STATE OF WASHINGTON

SHEET NUMBER:

A8.1

JOB NUMBER: 9231

CSC ARCHITECTS
1106 DOUGLAS, SUITE G
LONGVIEW, WA 98632
(206) 425-3030 FAX 425-6766

601 MAIN, SUITE 402
VANCOUVER, WA 98660
(206) 694-5528 FAX 694-5641

THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CROOK, SHAW, COLLINS ARCHITECTS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CROOK, SHAW, COLLINS ARCHITECTS.

DRAWN BY:

DATE: 4-6-93
REVISED:

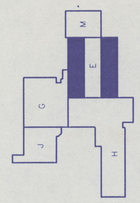
PE ELL SCHOOL MODERNIZATION AND ADDITIONS
PE ELL SCHOOL DISTRICT

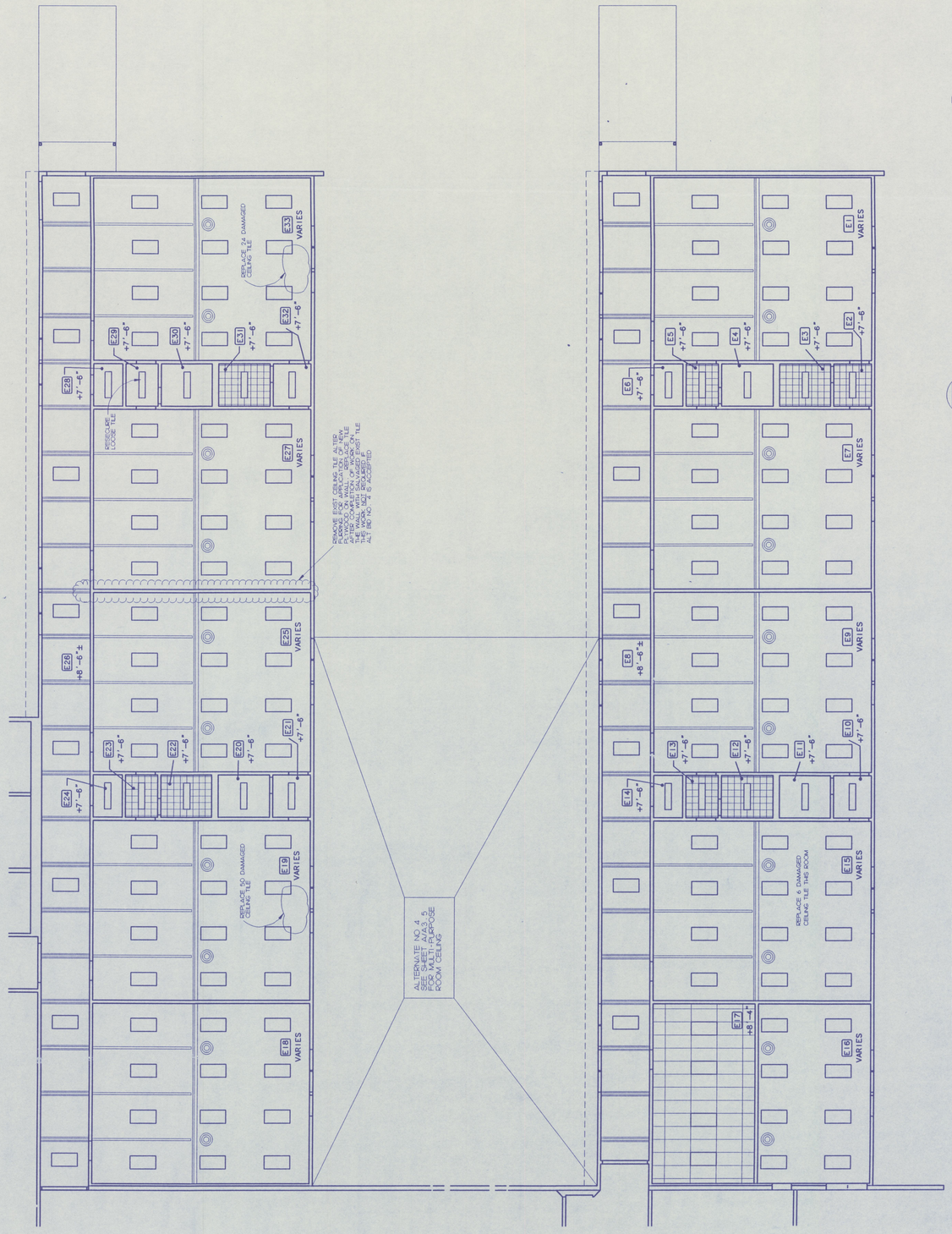
REFLECTED CEILING PLAN - AREA E

SEAL: REGISTERED ARCHITECT DAVID A. CROOK STATE OF WASHINGTON

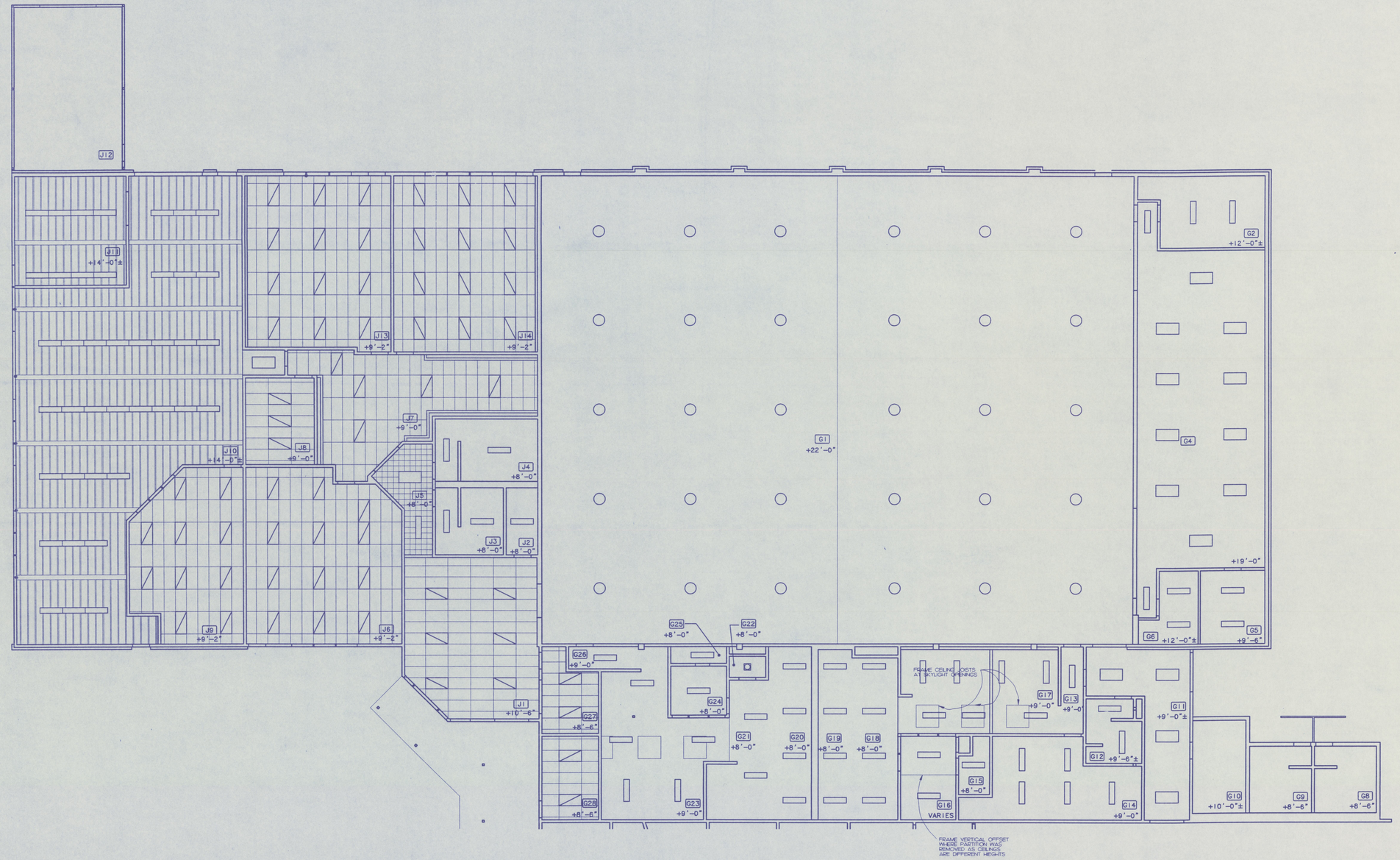
SHEET NUMBER: A8.2

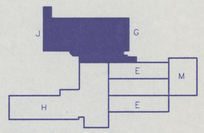
JOB NUMBER: 9231





REFLECTED CEILING PLAN - ELEMENTARY
1/8" = 1'-0"





CSC ARCHITECTS
601 MAIN, SUITE 402
VANCOUVER, WA 98660
(206) 694-5328 FAX 694-5841
1106 DOUGLAS, SUITE G
LOOMIS, WA 98827
(206) 425-3030 FAX 425-6768

THIS DOCUMENT, AND THE IDEAS AND DESIGNS, INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CROOK, SHAW, COLLINS ARCHITECTS AND SHALL NOT BE USED IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CROOK, SHAW, COLLINS ARCHITECTS.

DRAWN BY:

DATE:
4-6-93
REVISED:

REFLECTED CEILING PLAN – AREAS J & G

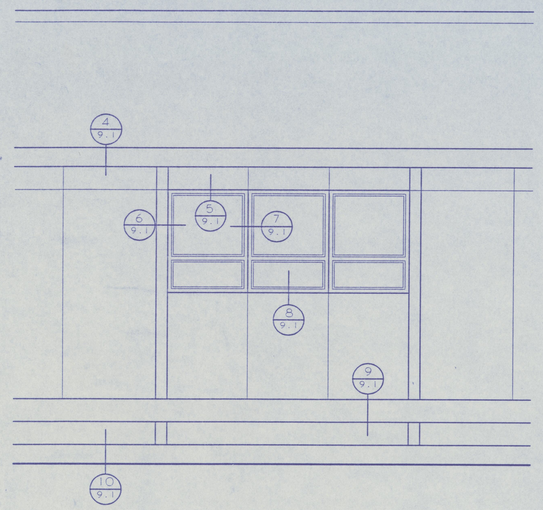
PE ELL SCHOOL MODERNIZATION AND ADDITIONS
PE ELL SCHOOL DISTRICT

SEAL:

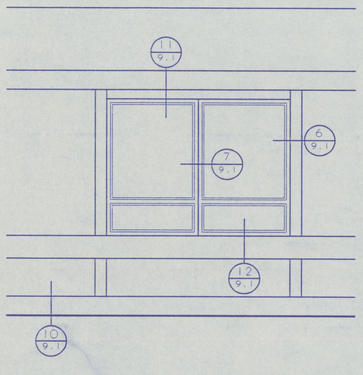
8331 REGISTERED ARCHITECT
CRAIG M. COLLINS
STATE OF WASHINGTON

SHEET NUMBER:
A8.3

JOB NUMBER:
9231

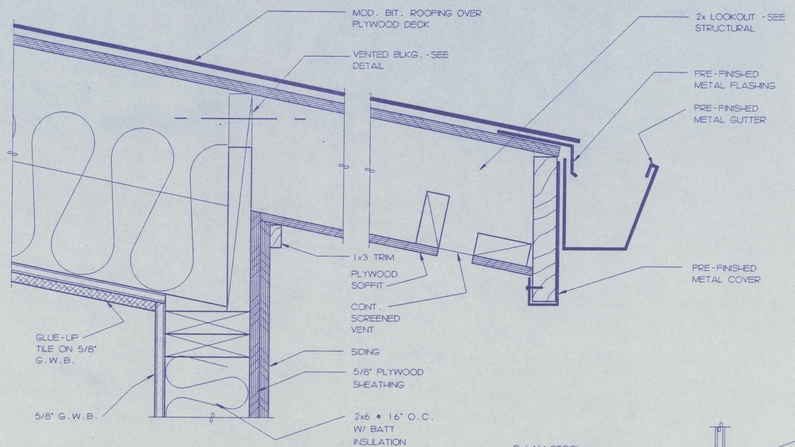


1 A9.1 WINDOW ELEVATION (LIBRARY)
Scale: 3\8"= 1'-0"

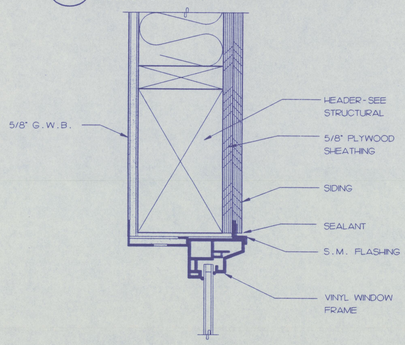


2 A9.1 WINDOW ELEVATION (ADMINISTRATION)
Scale: 3\8"= 1'-0"

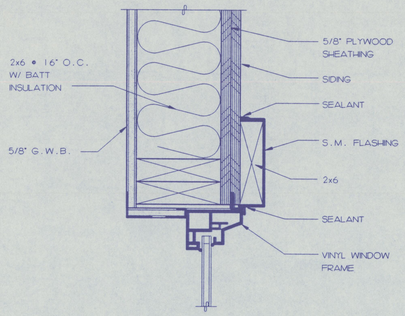
3 A9.1 NOT USED
Scale: 3\4"= 1'-0"



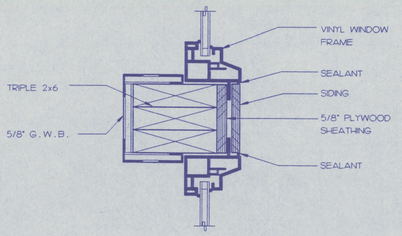
4 A9.1 EAVE DETAIL
Scale: 3"= 1'-0"



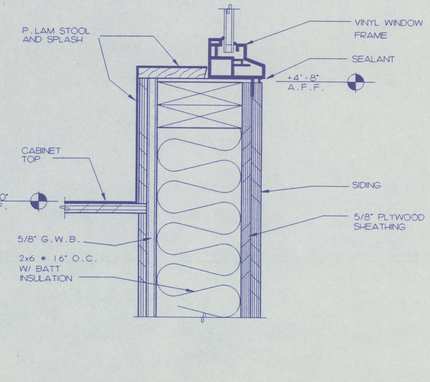
5 A9.1 HEAD DETAIL
Scale: 3"= 1'-0"



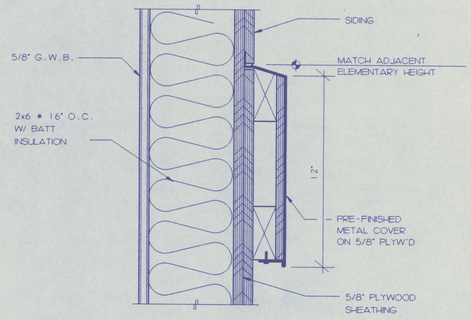
6 A9.1 JAMB DETAIL
Scale: 3"= 1'-0"



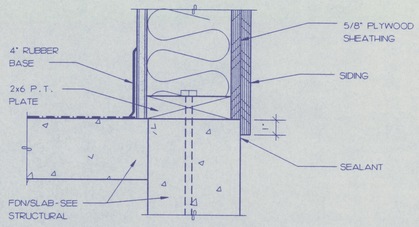
7 A9.1 MULLION DETAIL
Scale: 3"= 1'-0"



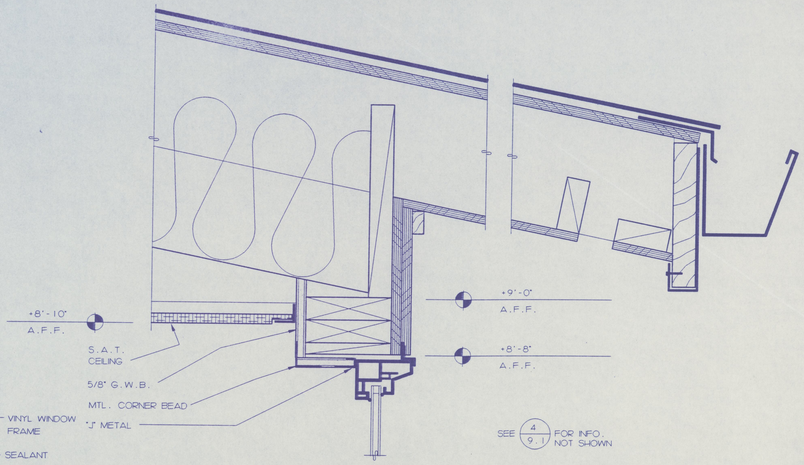
8 A9.1 SILL DETAIL
Scale: 3"= 1'-0"



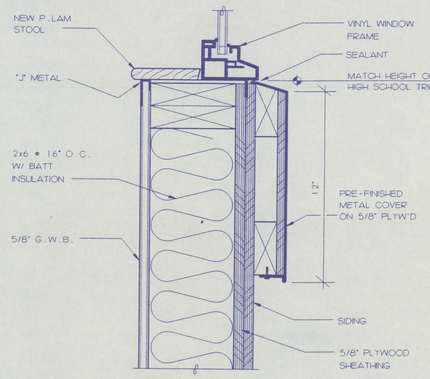
9 A9.1 FLASHING DETAIL
Scale: 3"= 1'-0"



10 A9.1 BASE DETAIL
Scale: 3"= 1'-0"



11 A9.1 EAVE/HEAD DETAIL
Scale: 3"= 1'-0"



12 A9.1 SILL DETAIL
Scale: 3"= 1'-0"

13 A9.1 NOT USED
Scale: 3"= 1'-0"

14 A9.1 NOT USED
Scale: 3"= 1'-0"

CSC ARCHITECTS
1106 DOUGLAS, SUITE G
LONGVIEW, WA 98632
(206) 425-3326 FAX 425-6168
801 MAIN, SUITE 402
VANCOUVER, WA 98660
(206) 694-3326 FAX 694-5641

THIS DOCUMENT, AND THE IDEAS AND DESIGNS, INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CROOK, BROWN, CULLINS ARCHITECTS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CROOK, BROWN, CULLINS ARCHITECTS.

DRAWN BY:

DATE: 4-6-93
REVISED:

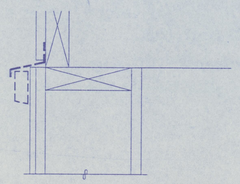
WINDOW DETAILS

PE ELL SCHOOL MODERNIZATION
PE ELL SCHOOL DISTRICT

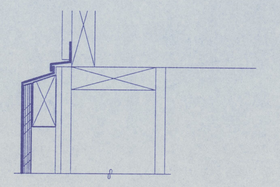
SEAL:
4331 REGISTERED ARCHITECT
CRAIG M. COLLINS
STATE OF WASHINGTON

SHEET NUMBER: A9.1

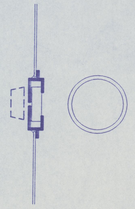
JOB NUMBER: 9231



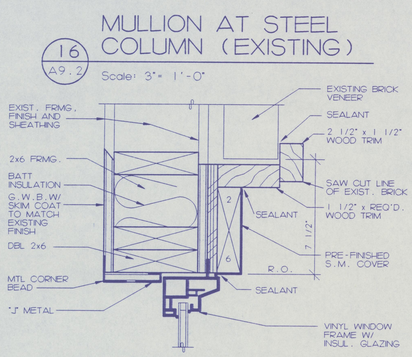
1 / A9.2 TOP OF WALL (EXIST)
Scale: 3"= 1'-0"



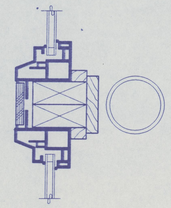
6 / A9.2 TOP OF WALL
Scale: 3"= 1'-0"



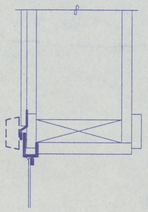
11 / A9.2 NOT USED
Scale: 3"= 1'-0"



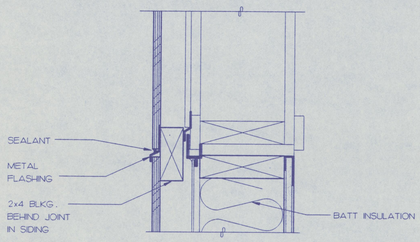
16 / A9.2 MULLION AT STEEL COLUMN (EXISTING)
Scale: 3"= 1'-0"



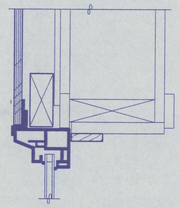
19 / A9.2 MULLION @ STL. COL.
Scale: 3"= 1'-0"



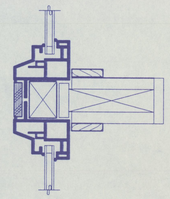
2 / A9.2 HEAD DETAIL (EXIST)
Scale: 3"= 1'-0"



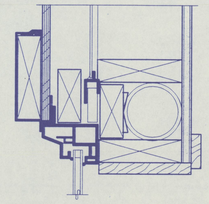
7 / A9.2 HEAD DETAIL
Scale: 3"= 1'-0"



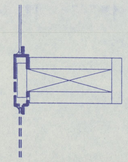
12 / A9.2 HEAD DETAIL
Scale: 3"= 1'-0"



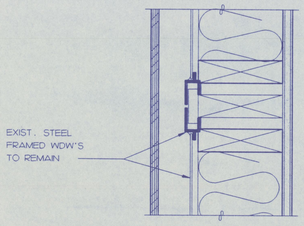
17 / A9.2 JAMB
Scale: 3"= 1'-0"



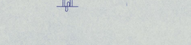
20 / A9.2 NOT USED
Scale: 3"= 1'-0"



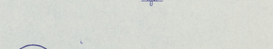
3 / A9.2 MULLION DET. (EXIST)
Scale: 3"= 1'-0"



8 / A9.2 MULLION DETAIL
Scale: 3"= 1'-0"

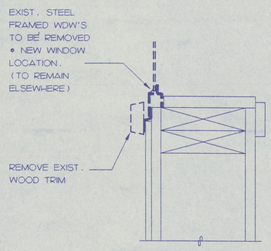


13 / A9.2 JAMB DETAIL
Scale: 3"= 1'-0"

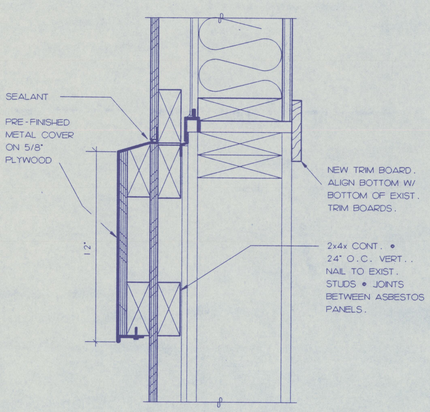


18 / A9.2 MULLION DETAIL
Scale: 3"= 1'-0"

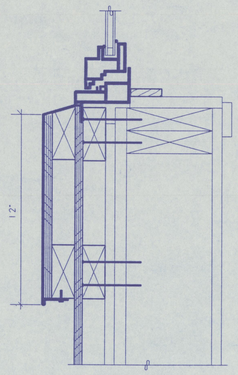
21 / A9.2 JAMB DETAIL
Scale: 3"= 1'-0"



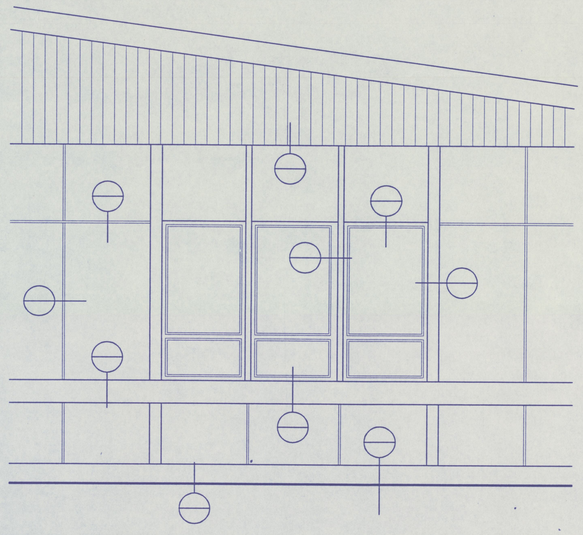
4 / A9.2 SILL DETAIL (EXIST)
Scale: 3"= 1'-0"



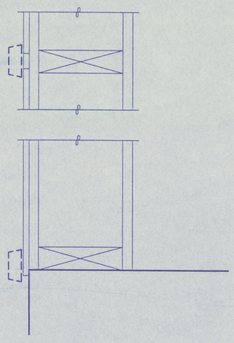
9 / A9.2 SILL DETAIL
Scale: 3"= 1'-0"



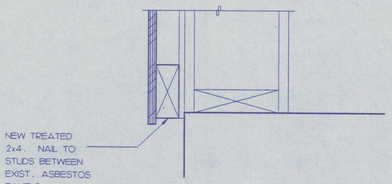
14 / A9.2 SILL DETAIL
Scale: 3"= 1'-0"



WINDOW ELEVATION (SHOP)
Scale: 3\8"= 1'-0"



5 / A9.2 BASE OF WALL (EXIST)
Scale: 3"= 1'-0"



10 / A9.2 BASE OF WALL
Scale: 3"= 1'-0"

15 / A9.2 NOT USED
Scale: 3"= 1'-0"

CSC ARCHITECTS
1106 DOUGLAS, SUITE G
LONGVIEW, WA 98632
(206) 425-3030 FAX 425-8788
601 MAIN, SUITE 402
VANCOUVER, WA 98660
(206) 694-3028 FAX 694-0641

THIS DOCUMENT, AND THE IDEAS AND DESIGNS, INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CSC SHAW, COLLINS ARCHITECTS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CSC SHAW, COLLINS ARCHITECTS.

DRAWN BY:

DATE: 2-24-93
REVISED:

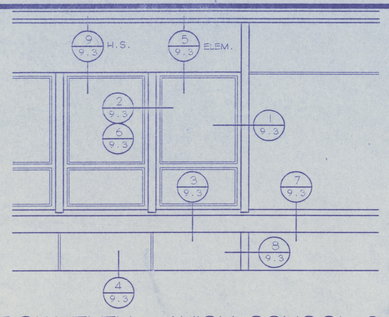
WINDOW DETAILS

PE ELL SCHOOL MODERNIZATION
PE ELL SCHOOL DISTRICT

SEAL:
9231 REGISTERED ARCHITECT
CRAIG M. COLLINS
STATE OF WASHINGTON

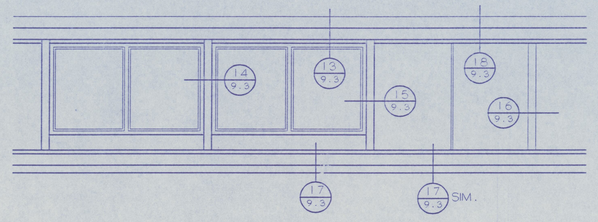
SHEET NUMBER:
A9.2

JOB NUMBER:
9231



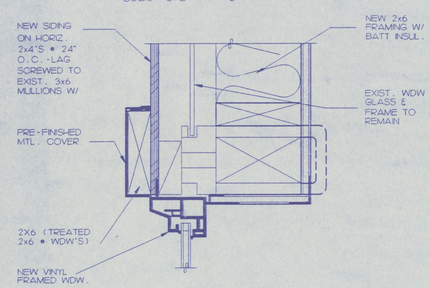
WINDOW ELEV. (HIGH SCHOOL & ELEM.)

Scale: 3/8"= 1'-0"



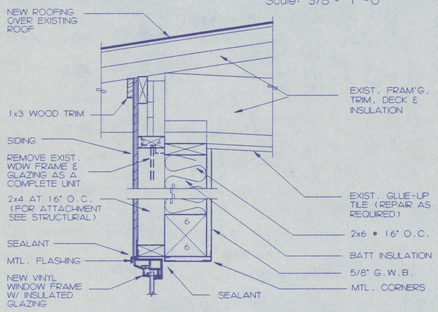
WINDOW ELEV. (ELEM. CLERESTORY)

Scale: 3/8"= 1'-0"



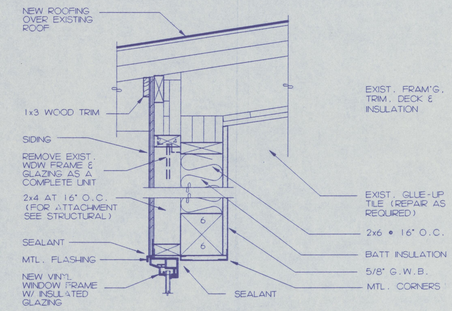
1 / A9.3 JAMB

Scale: 3"= 1'-0"



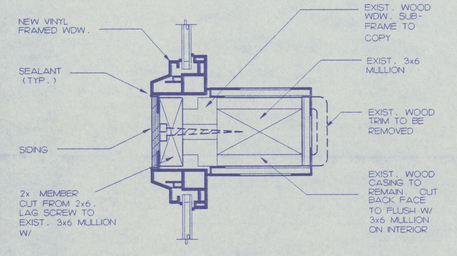
5 / A9.3 HEAD DETAIL

Scale: 1 1/2"= 1'-0"



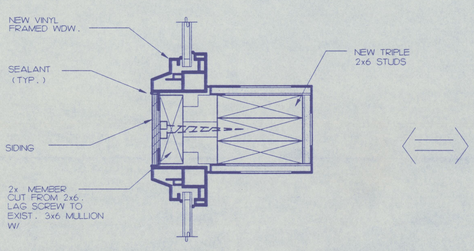
9 / A9.3 HEAD DETAIL

Scale: 1 1/2"= 1'-0"



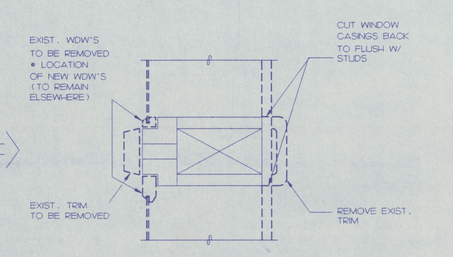
2 / A9.3 MULLION (AT HIGH SCHOOL & ELEMENTARY 3x STRUCTURAL MULLIONS)

Scale: 3"= 1'-0"



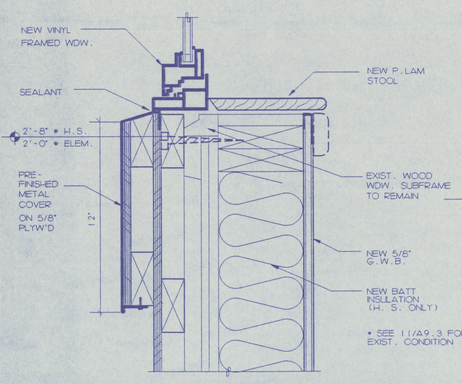
6 / A9.3 MULLION (ELEM. WHERE STRUCT. MULLIONS DON'T EXIST)

Scale: 3"= 1'-0"



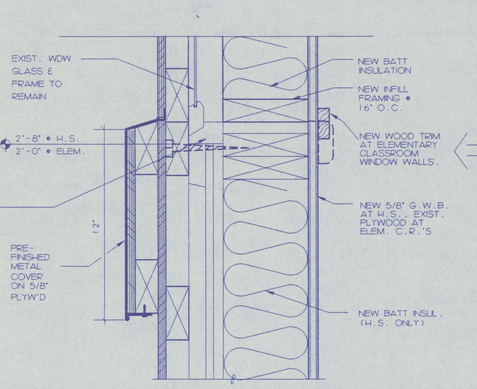
10 / A9.3 MULLION (EXISTING)

Scale: 3"= 1'-0"



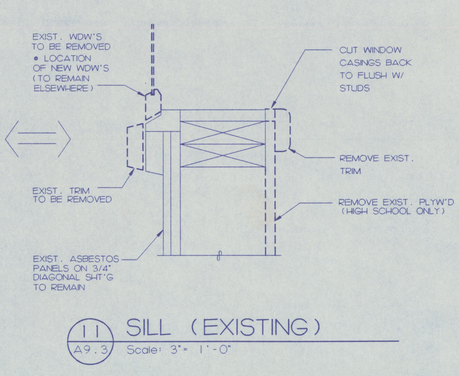
3 / A9.3 SILL

Scale: 3"= 1'-0"



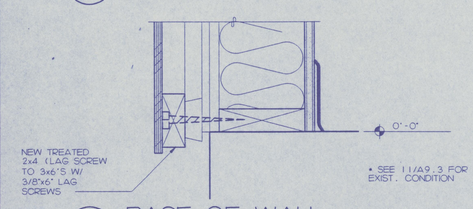
7 / A9.3 SILL

Scale: 3"= 1'-0"



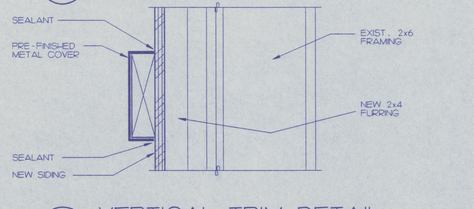
11 / A9.3 SILL (EXISTING)

Scale: 3"= 1'-0"



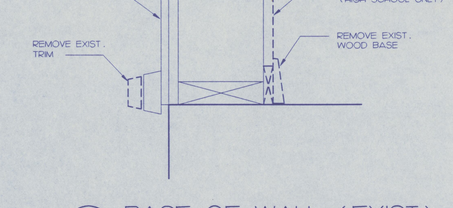
4 / A9.3 BASE OF WALL

Scale: 3"= 1'-0"



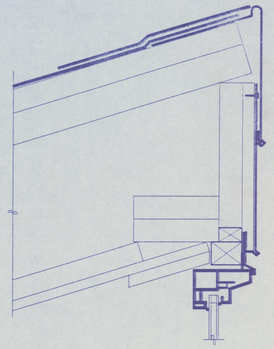
8 / A9.3 VERTICAL TRIM DETAIL

Scale: 3"= 1'-0"



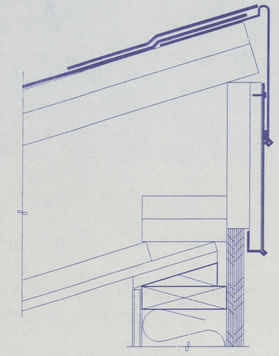
12 / A9.3 BASE OF WALL (EXIST)

Scale: 3"= 1'-0"



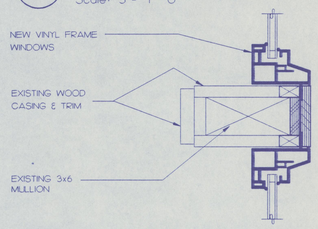
13 / A9.3 HEAD DET. (AT WINDOW)

Scale: 3"= 1'-0"



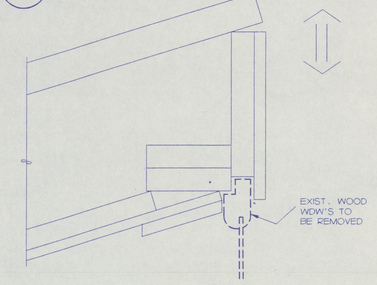
18 / A9.3 HEAD DET. (AT INFILL)

Scale: 3"= 1'-0"



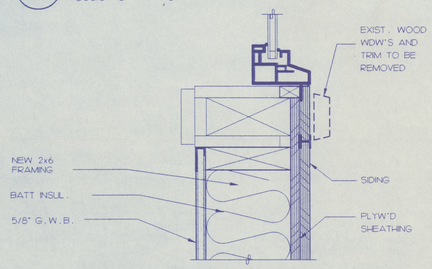
14 / A9.3 MULLION DETAIL

Scale: 3"= 1'-0"



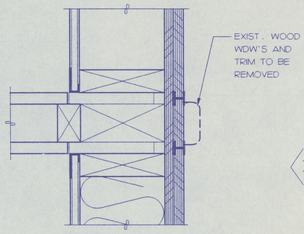
19 / A9.3 HEAD DETAIL (EXISTING)

Scale: 3"= 1'-0"



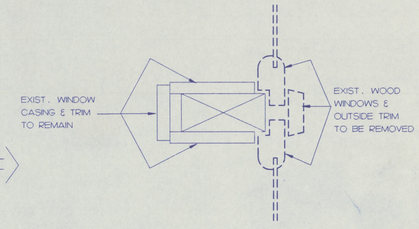
15 / A9.3 JAMB DETAIL

Scale: 3"= 1'-0"



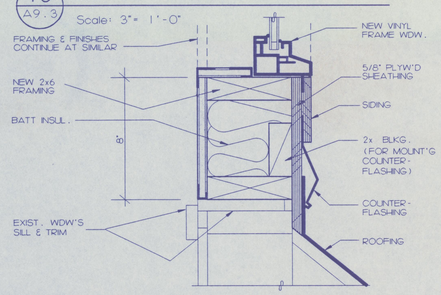
20 / A9.3 NOT USED

Scale: 3"= 1'-0"



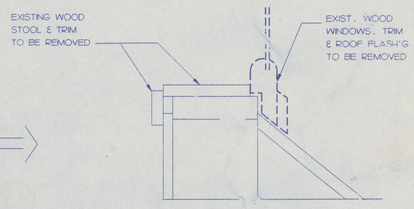
21 / A9.3 MULLION DETAIL (EXIST.)

Scale: 3"= 1'-0"



16 / A9.3 INFILL JAMB DETAIL

Scale: 3"= 1'-0"



17 / A9.3 SILL DETAIL

Scale: 3"= 1'-0"

22 / A9.3 SILL. DETAIL (EXIST.)

Scale: 3"= 1'-0"

CSC ARCHITECTS
601 MAIN, SUITE 402
VANCOUVER, WA 98660-3251
(206) 694-5508 FAX 694-5841
1108 DOUGLAS, SUITE G
LONGVIEW, WA 98632
(206) 425-3030 FAX 425-8788

THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CROOK, SHAW, COLLINS ARCHITECTS AND IS NOT TO BE USED IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CROOK, SHAW, COLLINS ARCHITECTS.

DRAWN BY:

DATE: 4-6-93

REVISED:

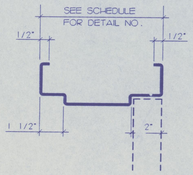
WINDOW DETAILS

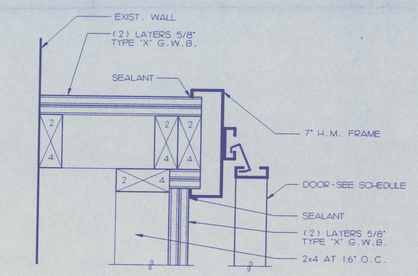
PE ELL SCHOOL MODERNIZATION
PE ELL SCHOOL DISTRICT

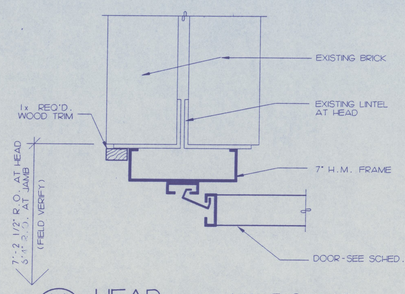
SEAL:

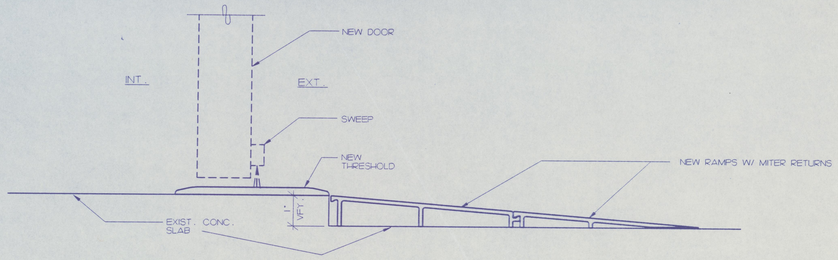
SHEET NUMBER: A9.3

JOB NUMBER: 9231

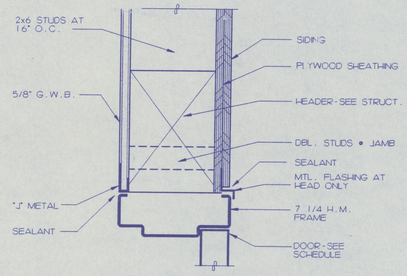




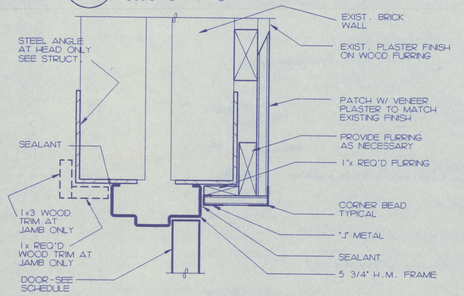




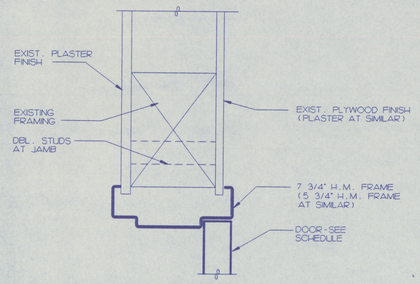
1 / A9.4 TYPICAL H.M. FRAME
Scale: 3"= 1'-0"



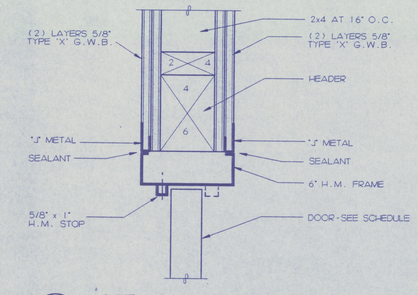
2 / A9.4 HEAD/JAMB
Scale: 3"= 1'-0"



3 / A9.4 HEAD/JAMB DETAIL
Scale: 3"= 1'-0"

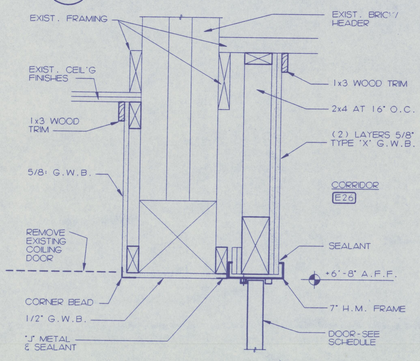


4 / A9.4 HEAD/JAMB
Scale: 3"= 1'-0"

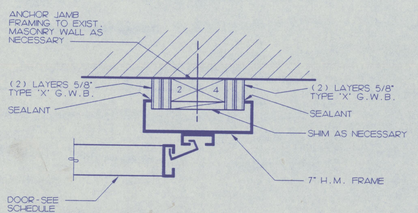


5 / A9.4 HEAD
Scale: 3"= 1'-0"

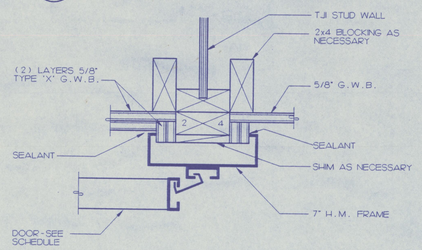
6 / A9.4 JAMB
Scale: 3"= 1'-0"



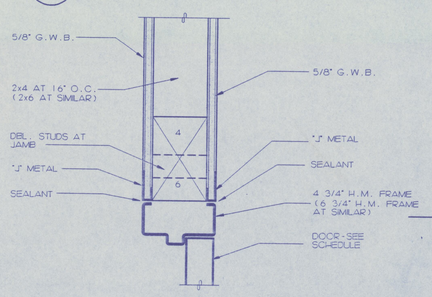
7 / A9.4 HEAD
Scale: 1 1/2"= 1'-0"



8 / A9.4 JAMB
Scale: 3"= 1'-0"

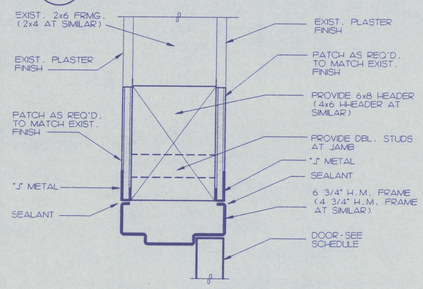


9 / A9.4 JAMB
Scale: 3"= 1'-0"

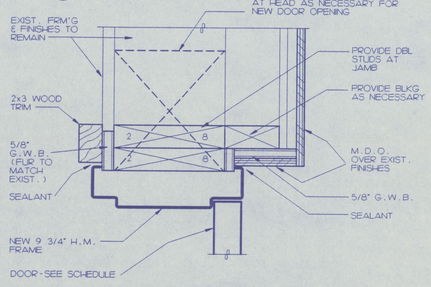


10 / A9.4 HEAD/JAMB
Scale: 3"= 1'-0"

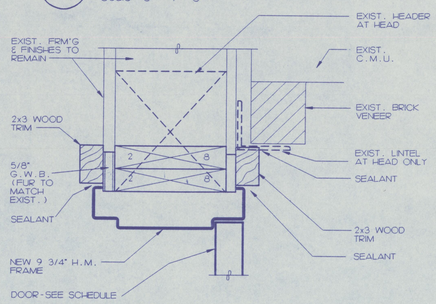
11 / A9.4 HEAD (JAMB SIMILAR)
Scale: 3"= 1'-0"



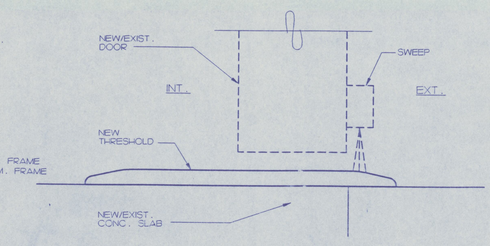
12 / A9.4 HEAD/JAMB
Scale: 3"= 1'-0"



13 / A9.4 JAMB/HEAD DETAIL
Scale: 3"= 1'-0"

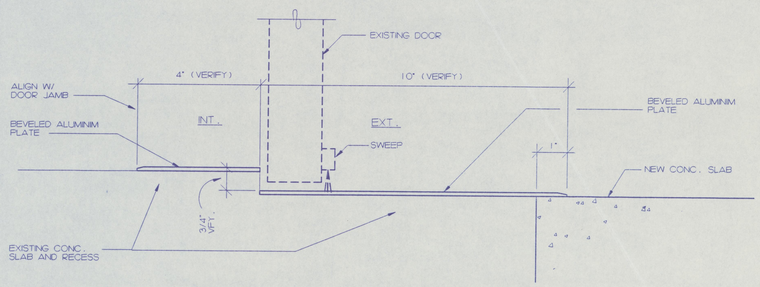


14 / A9.4 JAMB
Scale: 3"= 1'-0"

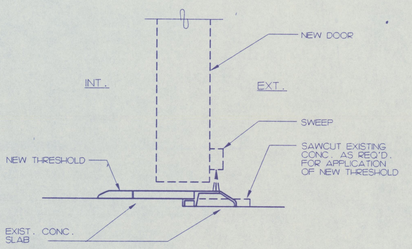


15 / A9.4 THRESHOLD
FULL SCALE

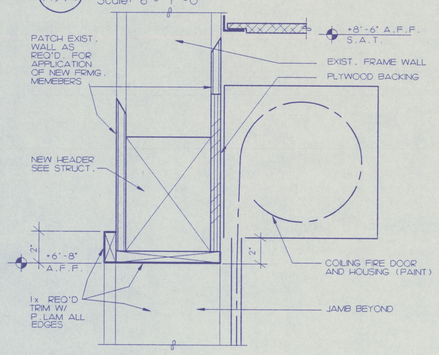
16 / A9.4 THRESHOLD
Scale: 6"= 1'-0"



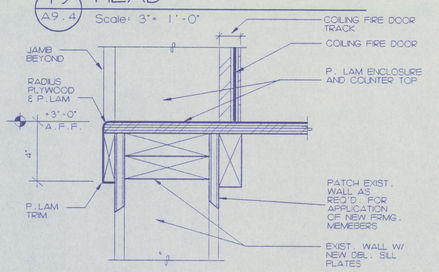
17 / A9.4 THRESHOLD
Scale: 6"= 1'-0"



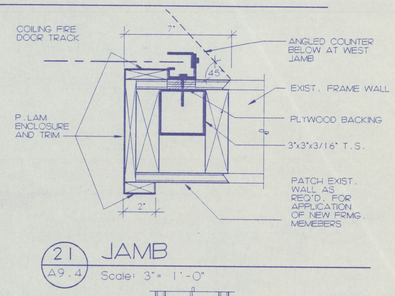
18 / A9.4 THRESHOLD
Scale: 6"= 1'-0"



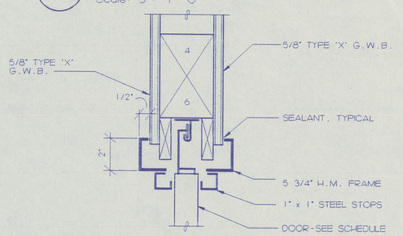
19 / A9.4 HEAD
Scale: 3"= 1'-0"



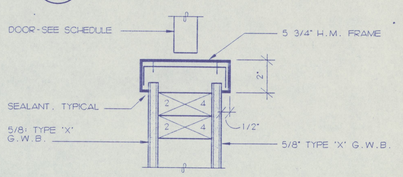
20 / A9.4 SILL
Scale: 3"= 1'-0"



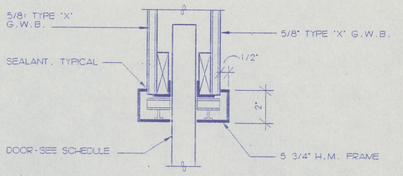
21 / A9.4 JAMB
Scale: 3"= 1'-0"



22 / A9.4 HEAD
Scale: 3"= 1'-0"



23 / A9.4 JAMB
Scale: 3"= 1'-0"



24 / A9.4 JAMB
Scale: 3"= 1'-0"

CSC ARCHITECTS
601 MAIN, SUITE 402
VANCOUVER, WA 98660
(206) 694-5528 FAX 694-5841
1106 DOUGLAS, SUITE G
LONGVIEW, WA 98632
(206) 425-3030 FAX 425-6788

THIS DOCUMENT, AND THE IDEAS AND DESIGNS, INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CSC, SHAW, COLLINS ARCHITECTS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CSC, SHAW, COLLINS ARCHITECTS.

DRAWN BY:

DATE: 4-6-93
REVISED:

DOOR DETAILS

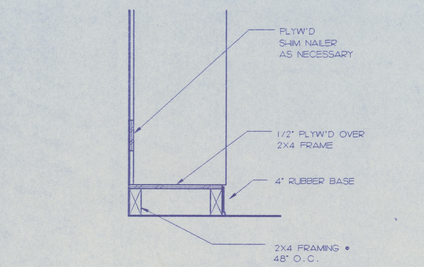
PE ELL SCHOOL MODERNIZATION
PE ELL SCHOOL DISTRICT

SEAL:

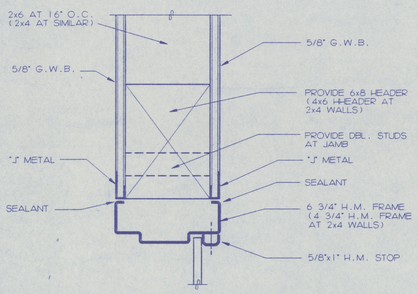
4331 REGISTERED ARCHITECT CRAIG M. COLLINS STATE OF WASHINGTON

SHEET NUMBER: A9.4

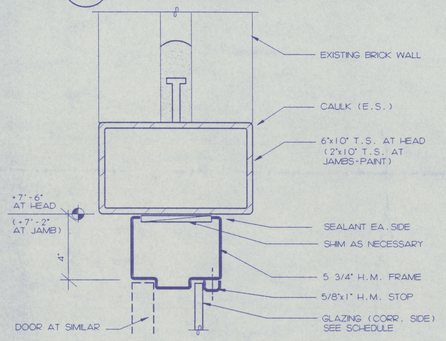
JOB NUMBER: 9231



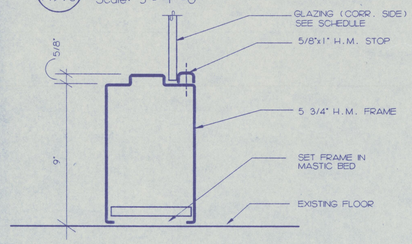
1 A9.5 LOCKER BASE
Scale: 1 1/2"= 1'-0"



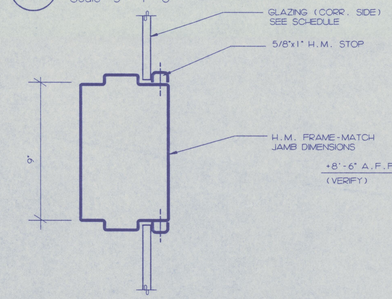
2 A9.5 HEAD/JAMB DETAIL
Scale: 3"= 1'-0"



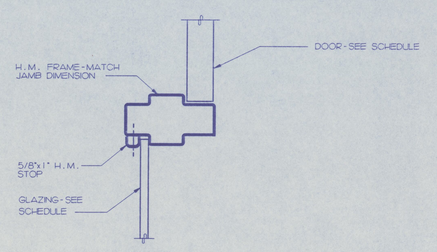
3 A9.5 HEAD/JAMB DETAIL
Scale: 3"= 1'-0"



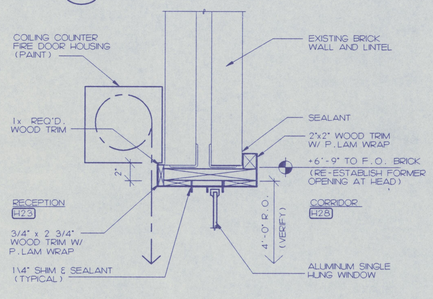
4 A9.5 SILL DETAIL
Scale: 3"= 1'-0"



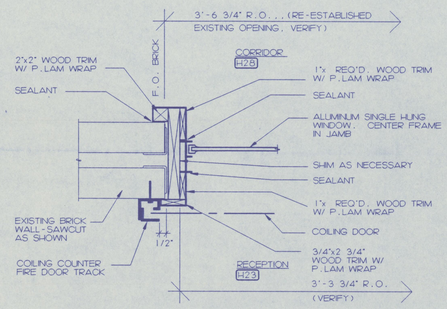
5 A9.5 HORIZ. MULLION
Scale: 3"= 1'-0"



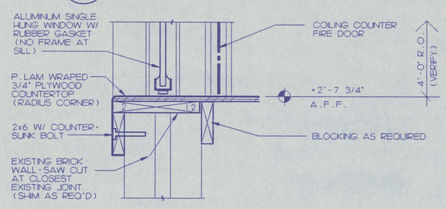
6 A9.5 VERTICAL MULLION
Scale: 3"= 1'-0"



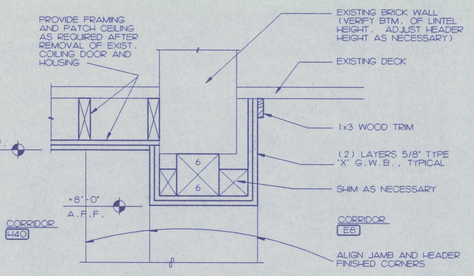
7 A9.5 HEAD DETAIL
Scale: 1 1/2"= 1'-0"



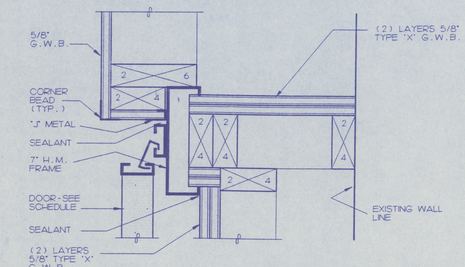
8 A9.5 JAMB DETAIL
Scale: 1 1/2"= 1'-0"



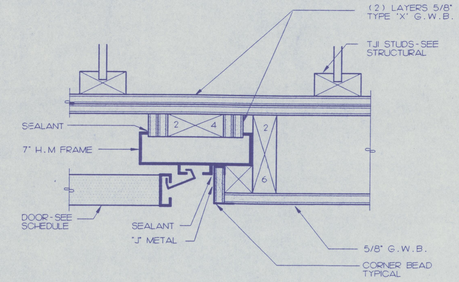
9 A9.5 SILL DETAIL
Scale: 1 1/2"= 1'-0"



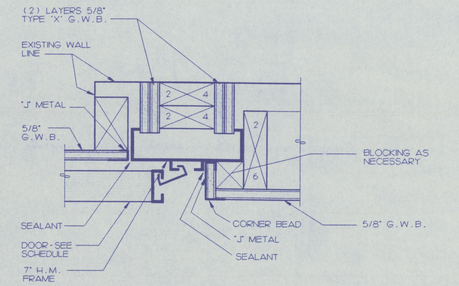
10 A9.5 HEAD DETAIL
Scale: 1 1/2"= 1'-0"



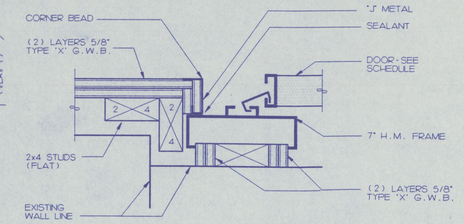
11 A9.5 JAMB DETAIL
Scale: 3"= 1'-0"



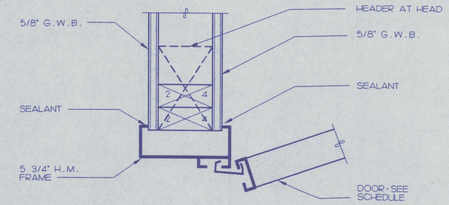
12 A9.5 JAMB DETAIL
Scale: 3"= 1'-0"



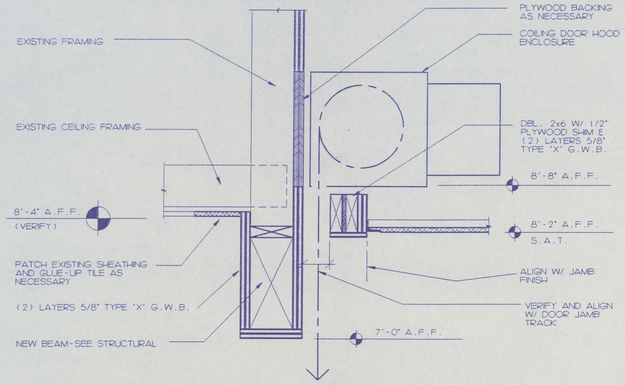
13 A9.5 JAMB DETAIL
Scale: 3"= 1'-0"



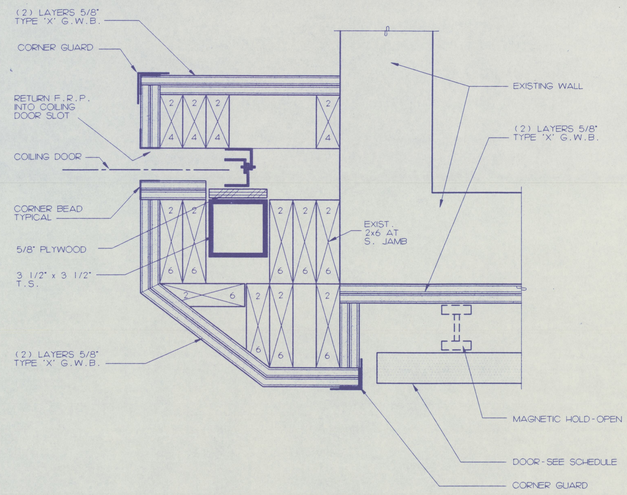
14 A9.5 JAMB DETAIL
Scale: 3"= 1'-0"



15 A9.5 JAMB/HEAD DETAIL
Scale: 3"= 1'-0"



16 A9.5 HEAD DETAIL
Scale: 1 1/2"= 1'-0"



17 A9.5 JAMB DETAIL
Scale: 3"= 1'-0"

CSC ARCHITECTS
601 MAIN, SUITE 402
VANCOUVER, WA 98660
(206) 694-3028 FAX 694-3841
1108 DOUGLAS, SUITE G
LONGVIEW, WA 98632
(206) 425-3000 FAX 425-6788

THIS DOCUMENT, AND THE IDEAS AND DESIGNS, INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CSC SHAW, COLLINS ARCHITECTS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CSC SHAW, COLLINS ARCHITECTS.

DRAWN BY:

DATE: 4-6-93
REVISED:

DOOR/WINDOW/DETAILS

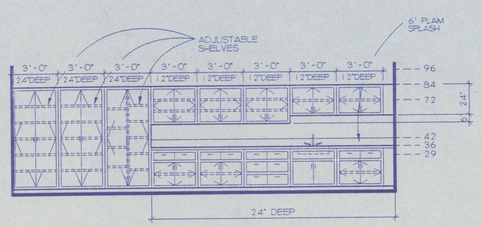
PE ELL SCHOOL MODERNIZATION
PE ELL SCHOOL DISTRICT

SEAL:

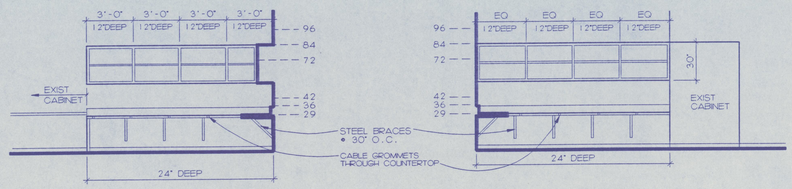


SHEET NUMBER: A9.5

JOB NUMBER: 9231

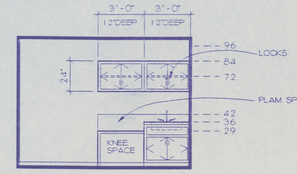


1 A10.1 SCIENCE PREP NORTH
SCALE: 1/4" = 1'-0"

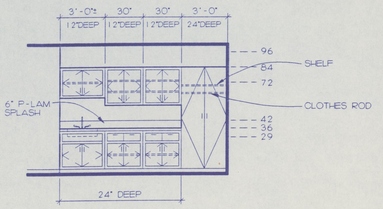


2 A10.1 RESOURCE WEST
SCALE: 1/4" = 1'-0"

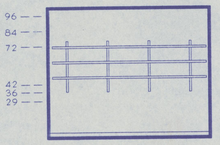
3 A10.1 RESOURCE NORTH
SCALE: 1/4" = 1'-0"



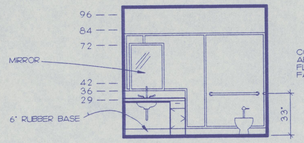
4 A10.1 NURSE EAST
SCALE: 1/4" = 1'-0"



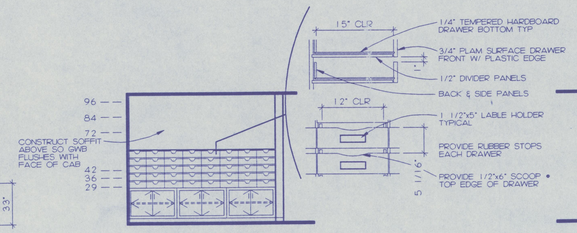
5 A10.1 WORK AREA EAST
SCALE: 1/4" = 1'-0"



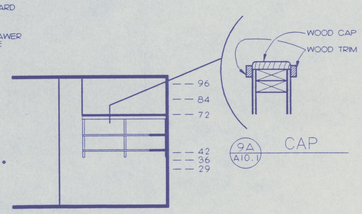
6 A10.1 BUSINESS MGR NORTH
SCALE: 1/4" = 1'-0"



7 A10.1 TLT SOUTH
SCALE: 1/4" = 1'-0"

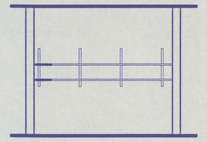


8 A10.1 MAIL SOUTH
SCALE: 1/4" = 1'-0"

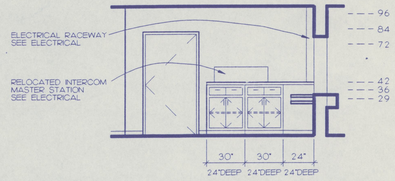


9 A10.1 RECPT EAST
SCALE: 1/4" = 1'-0"

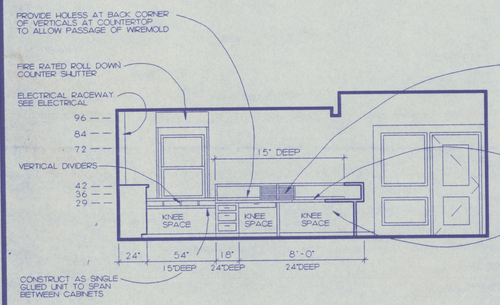
9A A10.1 CAP



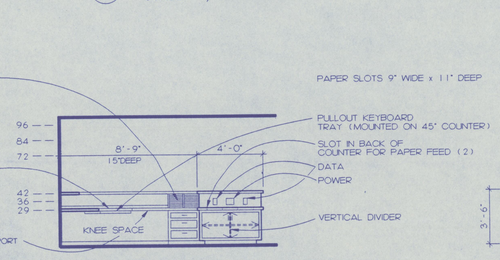
10 A10.1 RECPT SOUTH
SCALE: 1/4" = 1'-0"



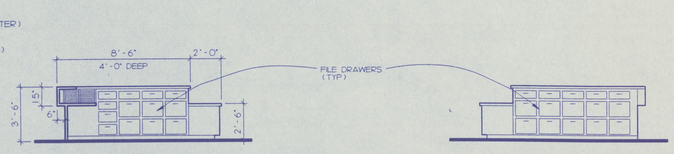
11 A10.1 RECPT WEST
SCALE: 1/4" = 1'-0"



12 A10.1 RECPT NORTH
SCALE: 1/4" = 1'-0"

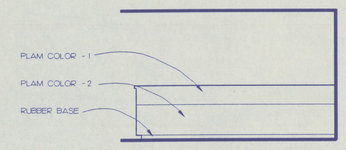


13 A10.1 RECPT EAST
SCALE: 1/4" = 1'-0"

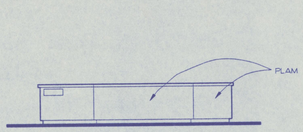


14 A10.1 RECPT SOUTH
SCALE: 1/4" = 1'-0"

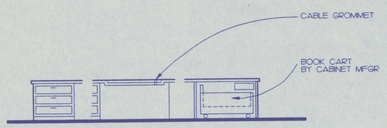
15 A10.1 RECPT NORTH
SCALE: 1/4" = 1'-0"



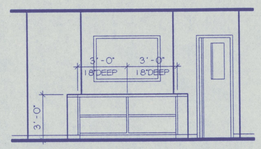
16 A10.1 RECPT WEST
SCALE: 1/4" = 1'-0"



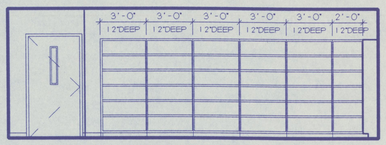
17 A10.1 MEDIA WEST
SCALE: 1/4" = 1'-0"



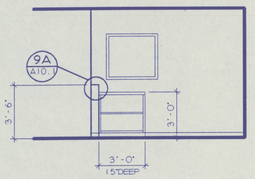
18 A10.1 MEDIA EAST
SCALE: 1/4" = 1'-0"



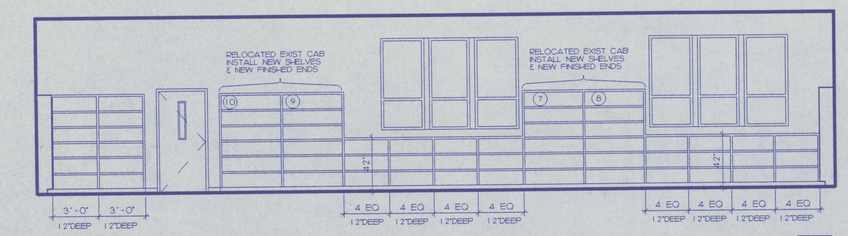
19 A10.1 MEDIA WEST
SCALE: 1/4" = 1'-0"



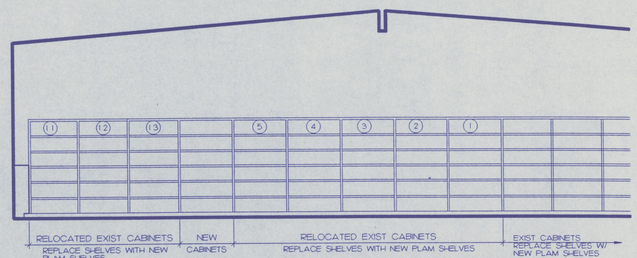
20 A10.1 MEDIA WEST
SCALE: 1/4" = 1'-0"



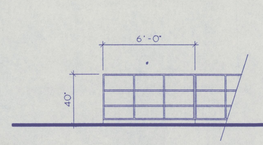
21 A10.1 MEDIA SOUTH
SCALE: 1/4" = 1'-0"



22 A10.1 MEDIA NORTH
SCALE: 1/4" = 1'-0"



23 A10.1 MEDIA EAST
SCALE: 1/4" = 1'-0"



24 A10.1 MEDIA EAST
SCALE: 1/4" = 1'-0"

CSC ARCHITECTS
601 MAIN, SUITE #12
VANCOUVER, WA 98660
(206) 694-5526 FAX 694-5641
1105 DOUGLAS, SUITE G
LONGVIEW, WA 98632
(206) 425-3030 FAX 425-6768

THIS DOCUMENT, AND THE IDEAS AND DESIGNS, INCORPORATED HEREIN, AS AN INSTRUMENT OF SERVICE, IS AND SHALL REMAIN THE PROPERTY OF CSC/CRAIG SOLLINS ARCHITECTS, INC. AND SHALL NOT BE USED IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CROOK, SHAW, COLLINS ARCHITECTS.

DRAWN BY:

DATE: 4-6-93
REVISED:

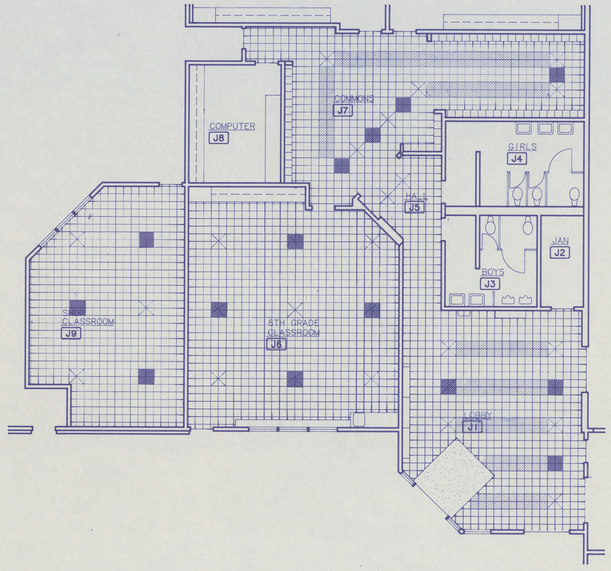
INTERIOR ELEVATIONS

PE ELL SCHOOL MODERNIZATION AND ADDITIONS
PE ELL SCHOOL DISTRICT

SEAL:
4331 REGISTERED ARCHITECT
CRAIG M. COLLINS
STATE OF WASHINGTON

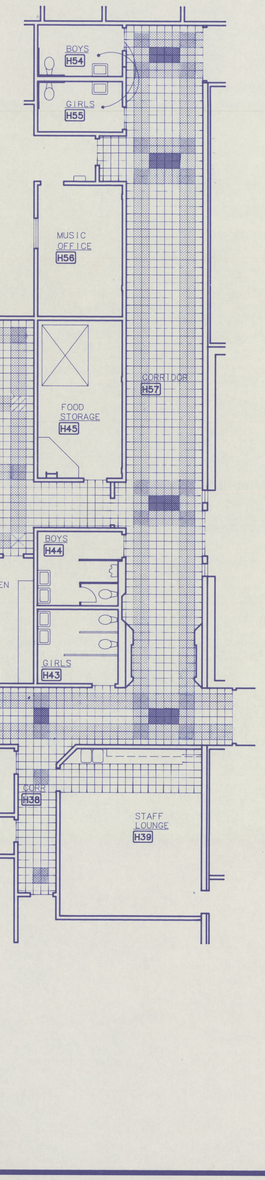
SHEET NUMBER:
A10.1

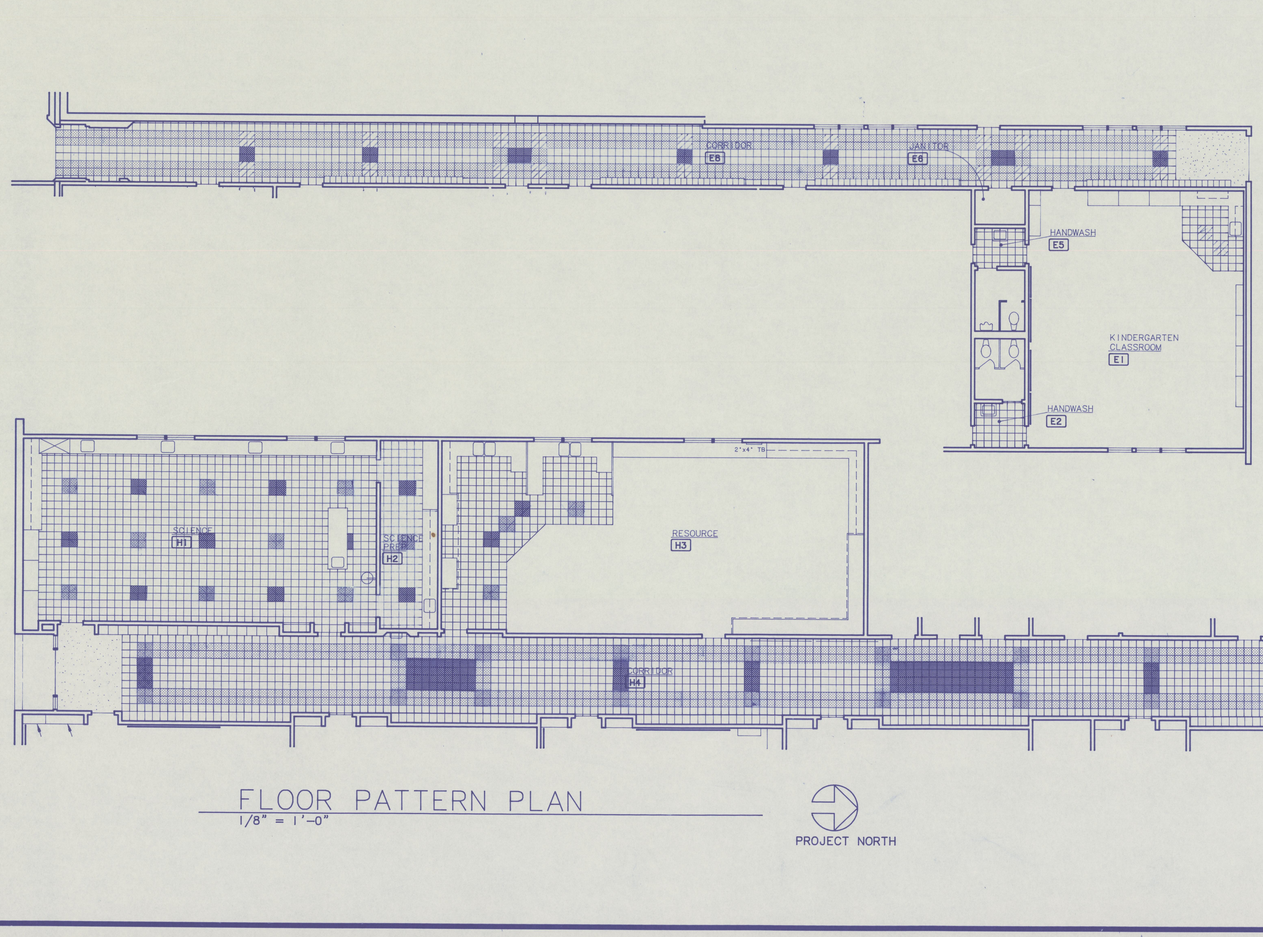
JOB NUMBER:
9231



VINYL COMPOSITION TILE KEY

VCT-1
VCT-2
VCT-3
VCT-4
VCT-5





FLOOR PATTERN PLAN
1/8" = 1'-0"

PROJECT NORTH

CSC ARCHITECTS
1106 DOUGLAS, SUITE G
LONGVIEW, WA 98632
(206) 425-3000 FAX 425-6788
601 MAIN, SUITE 402
VANCOUVER, WA 98660
(206) 694-5828 FAX 694-5841

THIS DOCUMENT, AND THE IDEAS AND DESIGNS, INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS AND SHALL REMAIN THE PROPERTY OF SHAW, COLLINS ARCHITECTS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF SHAW, COLLINS ARCHITECTS.

DRAWN BY:

DATE:
4-6-93
REVISED:

FLOOR PATTERN PLAN

PE ELL SCHOOL MODERNIZATION AND ADDITIONS
PE ELL SCHOOL DISTRICT

SEAL:
4331
REGISTERED ARCHITECT
CRAIG M. COLLINS
STATE OF WASHINGTON

SHEET NUMBER:
A11.1

JOB NUMBER:
9231

STRUCTURAL NOTES

LIVE LOADS

ROOF.....25 PSF MINIMUM ROOF SNOW LOAD (SNOW BUILD-UP LOADING AS PER S.E.A.W. SNOW LOAD ANALYSIS)
WIND.....U.B.C. 90 MPH EXPOSURE "B"
SEISMIC.....U.B.C. ZONE 3 1991 EDITION

GENERAL

1. UNLESS OTHERWISE NOTED, MATERIAL AND DESIGN SPECIFICATIONS CITED HEREIN SHALL BE THOSE CONFORMING TO THE VERSION OF THE APPLICABLE SPECIFICATION OR CODE MOST RECENTLY ADOPTED BY THE PERMITTING AUTHORITY. THESE STRUCTURAL NOTES ARE TO BE USED AS A SUPPLEMENT TO THE SPECIFICATIONS.
2. GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS.
3. A. SHOP DRAWINGS SHALL BE REQUIRED ON: REINFORCING STEEL, STRUCTURAL STEEL AND GLUE LAMINATED MEMBERS AND SHALL BE REVIEWED PRIOR TO FABRICATION.
   B. SHOP DRAWINGS, STAMPED BY A LICENSED STRUCTURAL ENGINEER IN THE STATE OF WASHINGTON, SHALL BE REQUIRED ON PREFABRICATED JOISTS.
   UNLESS STATED OTHERWISE IN THE SPECIFICATIONS, SUBMIT ONE (1) PRINT AND ONE (1) OZALID (SEPIA) REPRODUCIBLE FOR APPROVAL OR CORRECTIONS.
4. THIS STRUCTURE AND ALL OF ITS PARTS MUST BE ADEQUATELY BRACED AGAINST WIND, LATERAL EARTH AND SEISMIC FORCES UNTIL THE PERMANENT LATERAL FORCE RESISTING SYSTEMS HAVE BEEN CONSTRUCTED AND ALL ATTACHMENTS AND CONNECTIONS NECESSARY FOR THE STABILITY OF THE STRUCTURE AND ITS PARTS HAVE BEEN MADE.
5. GYPSUM WALLBOARD IS USED ON THIS PROJECT FOR BRACING OF THE STRUCTURE. CONTRACTOR IS TO PROVIDE ADEQUATE BRACING UNTIL ALL GYPSUM WALLBOARD HAS BEEN APPLIED AND FULLY NAILED.
6. ALL FEATURES OF CONSTRUCTION NOT FULLY SHOWN SHALL BE OF THE SAME TYPE AND CHARACTER AS SHOWN FOR SIMILAR CONDITIONS, SUBJECT TO REVIEW BY THE ARCHITECT AND ENGINEER.
7. ALL PRODUCTS AND MATERIALS USED BY THE CONTRACTOR SHALL BE APPLIED, PLACED, ERECTED OR INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
8. SPECIAL INSPECTION IN ACCORDANCE WITH SECTION 306 OF THE U.B.C. SHALL BE PROVIDED FOR THIS STRUCTURE, AND SHALL INCLUDE:
   A. CONCRETE
   B. BOLTS INSTALLED INTO CONCRETE

SITE PREPARATION

PREROLL THE AREA WITHIN BUILDING AREA AND 5'-0" MINIMUM AROUND THE BUILDING WITH A HEAVY VIBRATORY ROLLER OR LOADED DUMP TRUCK MAKING AT LEAST THREE (3) PASSES OVER THE ENTIRE AREA. ANY AREAS WHICH EXHIBIT EXCESSIVE WEAVING OR DEFLECTION UNDER THE WEIGHT OF THE ROLLER OR DUMP TRUCK SHALL BE OVER-EXCAVATED AS NECESSARY TO REMOVE ANY UNDESIRABLE SOILS IN THE AREA AND BACKFILLED WITH CLEAN, WELL GRADED SAND OR SAND AND GRAVEL MATERIAL.
CONSULT THE FOUNDATION INVESTIGATION REPORT, WHICH IS AVAILABLE AT THE ARCHITECT'S OFFICE, FOR ADDITIONAL INFORMATION.

STRUCTURAL FILL OR BACKFILL

ALL FILL AND BACKFILL PLACED IN THE BUILDING AREA AND BENEATH PAVED SURFACES SHALL BE DENSELY COMPACTED. SUCH FILLING AND BACKFILLING SHALL BE ACCOMPLISHED AFTER REMOVING ALL VEGETATION, RUBBISH AND EXISTING FILL, STRIPPING TOPSOIL (4" MINIMUM) AND PREROLLING WITHIN THE BUILDING AND PARKING AREAS OR FOLLOWING OVER-EXCAVATION IN FOOTING AREAS. IF OLD FILL OR SOFT NATURAL SUBGRADE MATERIAL IS ENCOUNTERED, OVER-EXCAVATE AND REPLACE WITH COMPACTED FILL. ALL STRUCTURAL FILL SHALL BE PLACED IN LOOSE LIFTS NOT EXCEEDING 12" IN THICKNESS AND COMPACTED TO A DENSITY OF AT LEAST 95% OF MAXIMUM DRY DENSITY, AS DETERMINED BY ASTM D-968. THE ADEQUACY OF THE FIELD COMPACTION SHALL BE VERIFIED BY RANDOM FIELD DENSITY TESTS. STRUCTURAL FILL SHALL CONSIST OF A SAND AND GRAVEL MIXTURE OR CRUSHED ROCK, WELL GRADED FROM COARSE-TO-FINE WITH LESS THAN 10% BY WEIGHT OF THE MINUS 3/4" FRACTION PASSING THE #200 SIEVE, AND SHALL BE FREE OF ORGANICS, RUBBISH, CLAY BALLS AND ROCKS LARGER THAN 2". COMPACTION WITHIN 5' OF WALLS SHALL BE DONE WITH LIGHT WEIGHT, HAND HELD EQUIPMENT. EXERCISE CARE SO WALLS ARE NOT DISPLACED OR CRACKED.
CONSULT THE FOUNDATION INVESTIGATION REPORT, WHICH IS AVAILABLE AT THE ARCHITECT'S OFFICE, FOR ADDITIONAL INFORMATION.

FOUNDATIONS

1. FOUNDATION SIZES ARE BASED ON A TOTAL LOAD BEARING SOIL PRESSURE OF 2000 PSF.
2. ALL FOOTINGS SHALL BE FOUNDED ON FIRM UNDISTURBED ORIGINAL SOIL OR ON ENGINEERED FILL COMPACTED TO MINIMUM OF 95% OF THE ASTM D-968 DENSITY.
3. ALL FOOTINGS SHALL BE A MINIMUM OF 1'-6" BELOW FINAL GRADES.
4. ALL DISTURBED SOIL SHALL BE REMOVED BY HAND OPERATION FROM FOOTING EXCAVATION TO NEAT LINES.
5. BOTTOM OF FOOTINGS SHALL BE STEPPED FROM ELEVATION TO ELEVATION AT 1'-0" VERTICAL TO 2'-0" HORIZONTAL.
6. THE FOUNDATION INVESTIGATION REPORT SHOWING LOGS OF BORINGS AND OTHER PERTINENT DATA IS AVAILABLE AT THE ARCHITECT'S OFFICE FOR INSPECTION BY ALL QUALIFIED BIDDERS.

CONCRETE - CAST-IN-PLACE

1. ALL CONCRETE SHALL DEVELOP A MINIMUM TWENTY-EIGHT (28) DAY LABORATORY-CURED COMPRESSIVE CYLINDER STRENGTH OF:
   3000 PSI FOR FOUNDATIONS.
   3000 PSI FOR INTERIOR SLABS-ON-GRADE.
   3000 PSI FOR OTHER CONCRETE.
   CONCRETE EXPOSED TO ELEMENTS SHALL HAVE 5% ± 1% ENTRAINED AIR, BY VOLUME, CONFORMING TO ASTM C-260.
2. A MINIMUM OF THREE (3) CONCRETE TEST CYLINDERS SHALL BE PROVIDED FOR EACH ONE HUNDRED (100) CU. YARDS OR EACH DAY OF POUR FOR EACH CONCRETE STRENGTH. CYLINDERS SHALL BE TESTED AS FOLLOWS: ONE (1) AT SEVEN (7) DAYS AND TWO (2) AT TWENTY-EIGHT (28) DAYS.
3. CONCRETE CYLINDER SAMPLING AND TESTING SHALL CONFORM WITH ASTM SPECIFICATIONS. ACCEPTANCE OF CONCRETE SHALL BE GOVERNED BY THE PROVISIONS OF A.C.I. 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE". MIX DESIGNS WITH COMPLETE STATISTICAL BACKUP SHALL BE SUBMITTED FOR REVIEW.
4. CONCRETE MATERIALS, FORMWORK, MIXING, PLACING AND CURING SHALL CONFORM TO THE SPECIFICATIONS CONTAINED IN THE A.C.I. "MANUAL OF CONCRETE PRACTICE".
5. AT AREAS OF DEPRESSIONS FOR SLABS, PROVIDE MINIMUM THICKNESS OF DEPTH AS FOR ADJACENT AREAS, UNLESS OTHERWISE NOTED.
6. SLEEVES THROUGH SLABS FOR MECHANICAL LINES SHALL BE FABRICATED FROM STANDARD WEIGHT STEEL PIPE WITH ANCHORS AS APPROVED BY THE ENGINEER, UNLESS OTHERWISE NOTED.
7. CONSTRUCTION JOINTS BETWEEN FOOTINGS AND WALLS, COLUMNS OR PILASTERS AND THE SLABS THEY SUPPORT AND VERTICAL WALL CONSTRUCTION JOINTS SHALL BE PREPARED BY ROUGHENING TO A FULL AMPLITUDE OF APPROXIMATELY 1/4", LEAVING THE CONTACT SURFACE CLEAN AND FREE OF LAITANCE. THE CONTRACTOR SHALL SUBMIT FOR REVIEW DETAILS OF PROPOSED CONSTRUCTION JOINTS NOT DETAILED IN THE STRUCTURAL DRAWINGS.
8. CONCRETE SHALL NOT BE PLACED ON FROZEN GROUND.

NON-SHRINK GROUT

GROUT SHALL BE NONSHRINKABLE GROUT CONFORMING TO ASTM C-1107 AND CRD-621, CORPS OF ENGINEERS "SPECIFICATIONS FOR NONSHRINK GROUT". GROUT SHALL HAVE A SPECIFIED COMPRESSIVE STRENGTH AT TWENTY-EIGHT (28) DAYS OF 5000 PSI.
PREGROUTING OF BASE PLATES WILL NOT BE PERMITTED.

CONCRETE REINFORCING STEEL

1. ALL REINFORCING STEEL FOR CONCRETE SHALL CONFORM TO U.B.C. STANDARD NO. 26-4 AND ASTM A-615 GRADE 60.
2. ALL WELDED REINFORCING STEEL, METAL INSERTS AND CONNECTIONS SHALL CONFORM TO U.B.C. STANDARD NO. 26-8.
3. REINFORCING (MINIMUM UNLESS OTHERWISE NOTED ON PLANS)
   A. REINFORCING FOR WALLS
      6" - VERTICAL #4 AT 12" O.C. HORIZONTAL #4 AT 12" O.C.
      8" - VERTICAL #5 AT 16" O.C. HORIZONTAL #5 AT 16" O.C.
      10" - VERTICAL #4 AT 16" O.C.E.F. HORIZONTAL #4 AT 16" O.C.E.F.
      VERTICAL #5 AT 12" O.C. HORIZONTAL #5 AT 12" O.C.
      12" - VERTICAL #4 AT 12" O.C.E.F. HORIZONTAL #4 AT 12" O.C.E.F.
   B. PLACE TWO (2) #5 CONTINUOUS AT BOTTOM, TOP AND AT DISCONTINUOUS ENDS OF ALL FOUNDATIONS AND WALLS.
   C. PLACE 2'-0" X 2'-0" BARS AT CORNERS AND INTERSECTIONS FOR WALLS AND FOUNDATIONS EQUAL IN SIZE AND NUMBER TO HORIZONTAL REINFORCING.
4. ALL WELDED WIRE FABRIC SHALL CONFORM TO ASTM SPECIFICATION A-185 AND U.B.C. STANDARD NO. 26-6.
   ALL WIRE FABRIC SHALL BE SUPPLIED AND LAID IN FLAT SHEETS AND SHALL BE CHAIRED TO PROPER POSITION IN SLABS. LAP ONE (1) FULL MESH PLUS 2" ON SIDES AND ENDS.
5. ALL REINFORCING STEEL SHALL BE DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH A.C.I. DETAILING MANUAL 315.
   A. ALL REINFORCING STEEL SHALL BE ACCURATELY AND SECURELY PLACED.
   B. REINFORCING SHALL NOT BE BENT OR DISPLACED FOR THE CONVENIENCE OF OTHER TRADES, UNLESS APPROVED BY THE STRUCTURAL ENGINEER.
   C. SPLAY REINFORCING STEEL AROUND OPENINGS WITH 1" IN 10" SPLAY, UNLESS OTHERWISE NOTED.
   D. MINIMUM COVER FROM CONCRETE SURFACES TO REINFORCING STEEL SHALL BE:
      3" ± 1/2" TO BOTTOM OF FOOTING
      2" ± 1/4" TO EARTH FACE OF WALL
      1" ± 1/4" TO INSIDE FACE OF WALL
      CENTER OF SLABS-ON-GRADE
   E. LAP ALL BARS A MINIMUM OF 36 DIAMETERS, EXCEPT AS OTHERWISE NOTED.
   F. ELECTRICAL CONDUIT SHALL BE PLACED NEAR CENTER OF SLAB.
   G. REINFORCEMENT BARS SHALL NOT BE TACK WELDED, WELDED, HEATED OR CUT, UNLESS INDICATED ON THE CONTRACT DOCUMENTS OR APPROVED BY THE STRUCTURAL ENGINEER.
6. REINFORCEMENT COUPLERS SHALL BE LENTON, FOX-HOWLETT OR APPROVED, CAPABLE OF DEVELOPING 125% OF THE SPECIFIED YIELD STRENGTH OF THE REINFORCEMENT.

MASONRY

1. ALL BUILDING BRICK UNITS SHALL BE 2500 PSI UNITS CONFORMING TO U.B.C. STANDARDS NO. 24-1 GRADE SW. ALL MASONRY SHALL DEVELOP A MINIMUM TWENTY-EIGHT (28) DAY COMPRESSIVE STRENGTH, F'_m OF 2500 PSI AND SHALL BE VERIFIED BY TESTING.
   A. ONE (1) MORTAR TEST AND ONE (1) GROUT TEST SHALL BE TAKEN BY AN INDEPENDENT TESTING COMPANY FOR EACH 5000 SQ. FT. OF WALL AREA. A MINIMUM OF THREE (3) TESTS WILL BE REQUIRED FOR MORTAR AND GROUT.
   B. PRISM TESTS SHALL BE PERFORMED IN ACCORDANCE WITH U.B.C. REQUIREMENTS.
2. GROUT FOR ALL REINFORCED BRICK AND HOLLOW UNIT MASONRY WALLS SHALL BE 3/8" AGGREGATE CONCRETE WITH A TWENTY-EIGHT (28) DAY STRENGTH OF 3000 PSI, WITH INTRUSION AID ADMIXTURE EXPANDER APPLIED 4 OUNCES PER SACK OF CEMENT. SLUMP SHALL BE 7" TO 8".
3. ALL MORTAR FOR REINFORCED MASONRY SHALL CONFORM TO U.B.C. STANDARD NO. 24-20, TYPE "S", 2000 PSI COMPRESSIVE STRENGTH AT TWENTY-EIGHT (28) DAYS WITH THE FOLLOWING PROPORTIONS BY VOLUME:
   CEMENT - ONE (1) PART.
   LIME - THREE-FOURTHS (3/4) PART MAXIMUM.
   SAND - FOUR (4) PARTS MAXIMUM.
4. ALL MORTAR SHALL BE MIXED BY MECHANICAL MEANS AND PROPORTIONED BY ACCURATE MEASUREMENT. SHOVEL MEASUREMENT WILL NOT BE ALLOWED.
5. ALL REINFORCING FOR MASONRY WALLS SHALL BE GRADE 60 CONFORMING TO ALL PROVISIONS OF CONCRETE REINFORCING SECTION, ABOVE.
6. EXCEPT AS OTHERWISE NOTED, REINFORCE ALL MASONRY WALLS WITH THE FOLLOWING MINIMUM:
   10" NOMINAL THICKNESS TWO-WYTHE BRICK WALLS
   #5 AT 24" O.C. EACH WAY AT CENTER OF GROUTED CAVITY.
7. EXCEPT AS OTHERWISE NOTED, REINFORCE AROUND ALL OPENINGS WITH TWO (2) #5 HORIZONTAL AT HEAD BY OPENING PLUS 4'-0" AND ONE (1) #5 VERTICAL AT EACH JAMB BY OPENING PLUS 4'-0".
8. EXCEPT AS OTHERWISE NOTED, DOWEL ALL MASONRY WALLS TO FOUNDATION WALLS WITH ONE (1) #5 DOWEL X 4'-0" AT EACH VERTICAL WALL BAR EMBEDDED 2'-0" INTO CONCRETE.
9. LAP ALL BARS A MINIMUM OF FORTY (40) BAR DIAMETERS, EXCEPT AS OTHERWISE NOTED.
10. PROVIDE 2'-0" X 2'-0" BARS AT ALL CORNERS AND INTERSECTIONS FOR ALL WALLS EQUAL IN SIZE AND NUMBER TO HORIZONTAL REINFORCING AND ONE (1) #5 VERTICAL AT ALL ENDS AND INTERSECTIONS
11. PROVIDE BAR POSITIONERS FOR ALL VERTICAL REINFORCING.
12. PROTECT ALL MASONRY UNITS, WHICH WILL BE STORED AND ERECTED AT THE JOB SITE, FROM THE ELEMENTS.

BRICK AND MASONRY ANCHORED VENEER

1. ALL LEDGER ANGLES WHICH SUPPORT BRICK SHALL BE HOT-DIPPED GALVANIZED.
2. PROVIDE APPROVED VENEER ANCHORS IN COMPLIANCE WITH U.B.C. CHAPTER 30, AND NOT LESS THAN ONE (1) PER EACH TWO (2) SQUARE FEET OF WALL AREA, AND AT NOT OVER 24" O.C. SPACING. PROVIDE ADDITIONAL TIES AS REQUIRED, AND SPACED NOT OVER 3' APART AND WITHIN 12" OF THE EDGE AROUND ALL OPENINGS, AND AT EACH THIRD COURSE AT JAMBS. INSTALL ANCHORS IN SECOND COURSE ABOVE AND BELOW LEDGER ANGLES.
3. BRICK ANCHORS TO BE: HOT DIPPED GALVANIZED, TWO-PIECE ADJUSTABLE TIE AND ANCHOR SYSTEM, 3/16" DIAMETER STEEL WIRE AND 14 GA. BENT STEEL SHEET. SIZE AS REQUIRED TO EXTEND WITHIN 3/4" OF OUTSIDE MASONRY FACE.
   A. WOOD STUD BACKING: DW-10 BY HOHMANN AND BARNARD, INC. WITH HOHMANN AND BARNARD, INC.'S BYNA-TIE AND SEISMICLIP. ATTACH TO WOOD STUDS WITH A MINIMUM TWO (2) #8 X 1-1/2" WOOD SCREWS.
   B. CONCRETE BACKING: #315 FLEXIBLE DOVETAIL BRICK TIE WITH BYNA-TIE AND SEISMIC CLIP WITH #305 ANCHOR SLOT BY HOHMANN AND BARNARD.
4. ALL HOT DIPPED GALVANIZING SHALL HAVE A MINIMUM COATING OF 1.5 OUNCES OF ZINC PER SQUARE FOOT OF SURFACE AREA, IN ACCORDANCE WITH CHAPTER 30 OF THE U.B.C.

STRUCTURAL STEEL AND MISCELLANEOUS IRON

1. STRUCTURAL STEEL SHALL CONFORM TO ASTM A-36.
2. STRUCTURAL TUBES SHALL CONFORM TO ASTM A-500, GR. B, Fy = 46 KSI.
   STRUCTURAL PIPE SHALL CONFORM TO A-53, GRADE B, TYPE E OR TYPE S Fy = 35 KSI.
3. ALL FABRICATION, ERECTION, IDENTIFICATION AND PAINTING OF STRUCTURAL STEEL SHALL CONFORM TO A.I.S.C. SPECIFICATIONS AND U.B.C. STANDARDS NO. 27-2.
4. ALL WELDING SHALL CONFORM TO A.W.S. SPECIFICATIONS.
   A. ALL WELDERS SHALL BE CERTIFIED UNDER A.W.S. SPECIFICATIONS.
   B. WELDS SHALL BE MADE WITH E70 SERIES ELECTRODES, UNLESS OTHERWISE NOTED.
5. HEADED STUDS (H.S.) AND SHEAR CONNECTORS SHALL BE TYPE B IN CONFORMANCE WITH AND LOCATED AND INSTALLED IN ACCORDANCE WITH CHAPTER 7 OF A.W.S. D1.1 "STRUCTURAL WELDING CODE-STEEL". IN ADDITION TO WHAT IS SHOWN ON THE DRAWINGS, SHEAR CONNECTOR SPACING SHALL BE IN ACCORDANCE WITH THE A.I.S.C. "SPECIFICATION FOR DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".
6. ALL MEMBERS SHALL BE CONNECTED WITH SEMI-FINISHED MACHINE BOLTS, UNLESS NOTED OTHERWISE ON PLANS. MACHINE BOLTS SHALL CONFORM TO ASTM A-307, GRADE A.
7. EXPANSION ANCHORS SHALL BE ICBO APPROVED FS FF-S-325, GROUP II, TYPE 4, CLASS 1 "PARABOLTS" AS MANUFACTURED BY THE MOLLY DIVISION OF BLACK AND DECKER CORPORATION, "REDHEAD WEDGE ANCHORS" AS MANUFACTURED BY ITW RAMSEK/REDHEAD, "SUP-R-STUD" AS MANUFACTURED BY USE DIAMOND, INC., "RAWL-STUD" AS MANUFACTURED BY RAWLPLUG COMPANY, INC., OR HILTI "KWIK-BOLT" AS MANUFACTURED BY HILTI FASTENING SYSTEMS, INC.
8. ANCHOR BOLTS SHALL CONFORM TO ASTM A-307, GRADE A, AND SHALL BE PROVIDED WITH WASHERS AND NUTS. GALVANIZE EXTERIOR BOLTS. GALVANIZING SHALL BE IN ACCORDANCE WITH ASTM A153.
9. BOLT HEADS OR NUTS BEARING ON SLOPING FLANGES SHALL BE EQUIPPED WITH BEVELED WASHERS.

PREFABRICATED ROOF JOISTS

1. ALL ROOF MEMBERS SHALL BE MANUFACTURED BY TRUS JOIST CORP. OR APPROVED.
2. ALL JOISTS SHALL CONFORM TO ALL PROVISIONS OF THE UNIFORM BUILDING CODE.
3. JOISTS SHALL NOT EXCEED A LIVE LOAD DEFLECTION OF L/360 AT ROOF, OR THE WORKING STRESSES AS SHOWN IN THE U.B.C. STANDARDS FOR APPROPRIATE MATERIALS UNDER A TOTAL LOAD OF 43 PSF FOR ROOF STRUCTURES.
4. JOIST MANUFACTURER SHALL BE RESPONSIBLE FOR COORDINATING SLOPED BEARING REQUIREMENTS WITH BEAM MANUFACTURER.
5. JOIST MANUFACTURER SHALL FURNISH COMPLETE ENGINEERING SHOP DRAWINGS WITH REGISTERED STRUCTURAL ENGINEER'S SEAL. TRUSSES ARE TO BE DESIGNED AS A COMPLETE SYSTEM, TAKING INTO ACCOUNT ALL LOADS SUCH AS WIND UPLIFT, SNOW DRIFTING AND MISCELLANEOUS SUSPENDED LOADS SHOWN IN THE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND STRUCTURAL DRAWINGS. ALL BRACES, HANGERS, ADDITIONAL JOISTS, ETC. ARE TO BE PROVIDED AS REQUIRED, AT NO ADDITIONAL COST TO THE OWNER.
6. TJI SERIES
   MANUFACTURER SHALL FURNISH ALL END AND INTERMEDIATE STIFFENERS, BLOCKING AND/OR SHEAR PANELS, METAL BRIDGING ASSEMBLIES, AND HANGERS AS REQUIRED TO PROVIDE A COMPLETE FLOOR OR ROOF STRUCTURAL SYSTEM.
   T360 SERIES
   MANUFACTURER SHALL FURNISH ALL BRIDGING AND BRACING AS REQUIRED TO PROVIDE A COMPLETE FLOOR OR ROOF SYSTEM.
7. CAMBERS
   ROOF MEMBERS 1.25 DEAD LOAD.
   FLOOR MEMBERS 1.25 DEAD LOAD.
8. DOUBLE ALL JOISTS UNDER MECHANICAL UNITS, UNLESS OTHERWISE NOTED.
9. SPRINKLER LINE ATTACHMENTS SHALL CONFORM TO N.F.P.A. PAMPHLET 13A AND TRUS JOIST PUBLICATION "GUIDELINES FOR SPRINKLER SYSTEM INSTALLATION WITH TRUS JOIST". LOADS HUNG FROM TRUS JOISTS SHALL NOT EXCEED THIRTY (30) POUNDS AT ANY ONE (1) POINT, NOR SHALL TOTAL LOADS IN POUNDS ON ANY ONE (1) JOIST EXCEED SIX (6) TIMES THE SPAN IN FEET, UNLESS DETAILED OTHERWISE ON THE DRAWINGS. ATTACHMENT OF LOADS EXCEEDING ONE HUNDRED (100) POUNDS SHALL BE APPROVED PRIOR TO INSTALLATION. DO NOT NOTCH OR DRILL STRUCTURAL MEMBERS, EXCEPT AS ALLOWED BY U.B.C. OR AS APPROVED PRIOR TO INSTALLATION.

GLUE LAMINATED MEMBERS

1. GLUE LAMINATED MEMBERS SHALL BE WESTERN SPECIES CONFORMING TO U.B.C STANDARDS 25-10 AND 25-11, A.I.T.C. 117 AND BE MANUFACTURED IN ACCORDANCE WITH UNITED STATES PRODUCT STANDARD PS 56-73.
   MEMBERS SHALL BE 24F-V4, EXCEPT CONTINUOUS OR CANTILEVERED BEAMS, AS NOTED BELOW.
2. ALL GLUE LAMINATED MEMBERS SHALL BE NOTCHED, SHAPED AND FINISHED AS PER PLANS AND SPECIFICATIONS AND SHALL BE FABRICATED WITH WATERPROOF GLUES.
3. ERECTION OF MEMBERS SHALL CONFORM TO A.I.T.C. SPECIFICATIONS.
4. PROVIDE STANDARD 1600 FOOT RADIUS CAMBER UNLESS OTHERWISE NOTED.
5. A CERTIFICATE OF CONFORMANCE IN ADDITION TO ATTACHMENTS #1 AND #2 FROM A.I.T.C. OR INSPECTION BY AN INDEPENDENT TESTING LABORATORY WILL BE REQUIRED.
6. SHAPE TOP OF ALL GLUE LAMINATED MEMBERS TO SLOPE OF ROOF.
7. BEAMS CANTILEVERING OR CONTINUOUS OVER ONE (1) OR MORE SUPPORTS SHALL HAVE EQUAL BENDING STRESS RATING IN THE TOP AND BOTTOM FACES, AND SHALL BE 24F-V8 GRADE.

ROOF DECKING

1. ALL DECKING SHALL BE KILN-DRIED DOUGLAS FIR-LARCH CONFORMING TO THE PROVISIONS OF U.B.C. STANDARD 25-4.
2. DECKING SHALL BE 2" NOMINAL THICKNESS AND SHALL BE SIDE MATCHED.
3. DECKING SHALL BE LAID TO A.I.T.C. CONTROLLED RANDOM PATTERN.
4. NAILING SHALL BE AS PER SCHEDULE AND DRAWINGS.

FRAMING LUMBER

1. ALL FRAMING LUMBER SHALL BE DOUGLAS FIR-LARCH AS NOTED BELOW AND SHALL CONFORM TO THE PROVISIONS OF U.B.C. STANDARD 25-4.

SIZE CLASSIFICATION		DESIGN VALUE (PSI) (DOUGLAS FIR-LARCH)		
A. EXTERIOR WALL AND TOP PLATES	)	F_b	=	1,250
NO. 2 OR BETTER	)	$F_{c\perp}$	=	625
	)	E	=	1,700,000
B. INTERIOR WALL AND TOP PLATES	)	F_b	=	1,250
NO. 2 OR BETTER	)	$F_{c\perp}$	=	625
OR STUD GRADE	)	E	=	1,700,000
C. JOISTS	)	F_b	=	1250
NO.2	)	F_v	=	95
	)	E	=	1,700,000
D. BEAMS	)	F_b	=	1300
NO. 1	)	F_v	=	85
	)	$F_{c\perp}$	=	625
	)	E	=	1,600,000
E. POSTS	)	F_b	=	1200
NO. 1	)	E	=	1,600,000
F. BLOCKING, PLATES, BRIDGING	)	F_b	=	600
STANDARD OR BETTER	)	$F_{c\perp}$	=	625
OR STUD GRADE	)	E	=	1,500,000

2. ALL MEMBERS 3X OR LESS (LEAST DIMENSIONS) SHALL BE MAXIMUM 19% MOISTURE CONTENT.
3. PROVIDE SOLID BLOCKING (SAME DEPTH OF MEMBER) AT ALL POINTS OF BEARING. SOLID BRIDGING AT 8'-0" O.C. MAXIMUM SHALL BE REQUIRED WHERE JOISTS HAVE A FIVE (5) TO ONE (1) OR GREATER DEPTH TO THICKNESS RATIO AND WHERE ONE (1) EDGE IS NOT HELD IN LINE BY SHEATHING, WALLBOARD, BRACING, ETC.
4. ALL PLATES AND LEDGERS IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED. PRESSURE TREATED LUMBER SHALL BEAR THE A.W.P.B. (AMERICAN WOOD PRESERVERS BUREAU) QUALITY MARK.
5. DOUBLE ALL JOISTS UNDER ALL PARALLEL PARTITIONS.
6. FOR NAILING SEE SCHEDULE AND DRAWINGS.

PLYWOOD SHEATHING

1. ALL PLYWOOD SHEATHING SHALL BE C-D GRADE, UNLESS OTHERWISE NOTED, WITH EXTERIOR GLUE MANUFACTURED IN ACCORDANCE WITH UNITED STATES PRODUCT STANDARD PS 1-83/ANSI A199.1 "FOR CONSTRUCTION AND INDUSTRIAL PLYWOOD", CONFORM TO U.B.C. STANDARD 25-9 AND BEAR THE A.P.A. TRADEMARK OF THE AMERICAN PLYWOOD ASSOCIATION.
   A. ROOF SHEATHING 5/8" INDEX 40/20; 3/4" INDEX 48/24 T&G
   B. WALLS 1/2" INDEX 24/0
2. PLYWOOD SHEATHING SHALL BE LAID WITH END JOINTS STAGGERED.
3. BLOCK ALL WALL SHEATHING WITH 2 X 4 FLAT BLOCKING AT ALL EDGES.
4. NAIL AS PER SCHEDULE AND DRAWINGS.
5. LAY OUT PLYWOOD TO ELIMINATE ANY WIDTH LESS THAN 1'-0".
6. WAFER BOARD OR ORIENTED STRAND BOARD CONFORMING TO U.B.C. STANDARD 25-25, GRADE 2-MW, MAY BE SUBSTITUTED FOR PLYWOOD, PROVIDED IT HAS EQUAL LOAD/SPAN RATING INDEX AND BEARS THE A.P.A. TRADEMARK OF THE AMERICAN PLYWOOD ASSOCIATION.

NAILING AND CONNECTION SCHEDULE
MINIMUM NUMBER OF NAILS FOR WOOD MEMBERS
(EXCEPT AS NOTED ON DRAWINGS)

CONNECTION	COMMON
STUDS TO PLATES - END NAIL	2-16d
OR - TOE NAIL	4-10d
TOP PLATES & BOTTOM PLATES - SPIKE TOGETHER	10d AT 8" O.C.
- LAP & INTERSECTIONS	4-10d EACH SIDE JOINT
FLOOR JOISTS (ROOF JOISTS)(CEILING JOISTS) - TO PLATES OR BEAMS - TOE NAIL	2-10d
BLOCKING TO PLATE - TOE NAIL	2-10d
BLOCKING TO JOISTS - EACH END	2-10d
CORNER STUDS	10d AT 12" O.C.
2X LAMINATED BEAMS	10d AT 12" T&B STAGGERED
2 X 6 T&G EACH BOARD TO SUPPORTING MEMBERS	16d 1-TOE NAIL AND 1-FACE NAIL
TO PARALLEL WALLS AND BEAMS	6" O.C.
3 X 6 T&G EACH BOARD TO SUPPORTING MEMBERS	1-40d TOE NAIL AND 1-60d FACE NAIL
TO PARALLEL WALLS AND BEAMS	1-60d FACE NAIL AT 8" O.C.
TO ADJACENT COURSES	8" SPIKES AT 30" O.C.
PLYWOOD SHEATHING	
1. ROOF SHEATHING 5/8" INDEX 40/20	
AT EDGES OF EACH SHEET, BLOCKING & WALLS	8d AT 4" O.C.
AT INTERIOR OF SHEETS	8d AT 8" O.C.
AT BOUNDARIES OF ROOF	8d AT 4" O.C.
2. ROOF SHEATHING 3/4" INDEX 48/24 T&G	
AT EDGES OF EACH SHEET, BLOCKING & WALLS	10d AT 4" O.C.
AT INTERIOR OF SHEETS	10d AT 8" O.C.
AT BOUNDARIES OF ROOF	10d AT 4" O.C.
3. WALL SHEATHING 1/2" INDEX 24/0	
BLOCK ALL EDGES WITH 2 X 4 FLATS	
AT EDGES OF EACH SHEET TO STUDS, BLOCKING & PLATES	8d AT 4" O.C.
AT INTERIOR OF EACH SHEET	8d AT 8" O.C.
AT BOUNDARIES OF WALL	8d AT 4" O.C.

STAPLES MAY BE SUBSTITUTED FOR PLYWOOD SHEATHING NAILING ACCORDING TO THE ATTACHED STAPLE EQUIVALENCY CHART.

OTHER WOOD CONNECTIONS

1. ALL PLATES AND LEDGERS SHALL BE ANCHORED WITH A MINIMUM OF THREE (3) ANCHORS PER PIECE.

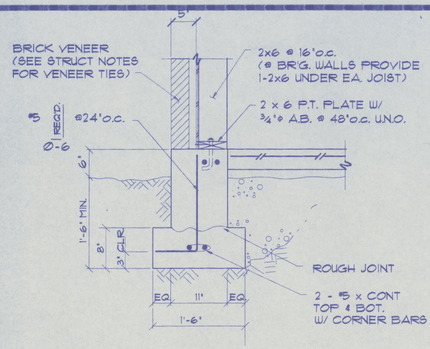
	MINIMUM SIZE AND MAXIMUM SPACING
2. PLATES TO CONCRETE FOUNDATION WALLS	5/8" Ø X 10" A. BOLT AT 4'-0" O.C.
3. PLATES TO UNIT MASONRY	5/8" Ø X 10" A. BOLT AT 4'-0" O.C.
4. LEDGERS TO MASONRY WALLS	3/4" Ø HILTI HIT BENT ANCHORS WITH C-20 EPOXY AND SCREEN TUBES AT 2'-0".
5. ANCHOR BOLTS SHALL BE CONNECTED TO LEDGERS PRIOR TO INSTALLATION ON MASONRY WALLS.	
6. LEDGERS TO CONCRETE WALLS	3/4" Ø EXPANSION ANCHORS AT 4'-0" O.C.
7. EXPANSION ANCHOR EMBEDMENTS (UNLESS OTHERWISE NOTED)	1/2" Ø WITH 2-1/2" MINIMUM EMBEDMENT 5/8" Ø WITH 3" MINIMUM EMBEDMENT 3/4" Ø WITH 3-1/2" MINIMUM EMBEDMENT
8. LAG BOLT INSTALLATION	1/2" Ø BOLT = 5/16" Ø HOLE
PRE-DRILL HOLES FOR	5/8" Ø BOLT = 13/32" Ø HOLE
LAG THREADS	3/4" Ø BOLT = 1/2" Ø HOLE 1" Ø BOLT = 11/16" Ø HOLE

SOAP THREADS OF LAGS IMMEDIATELY PRIOR TO INSTALLING WITH WRENCH ONLY.

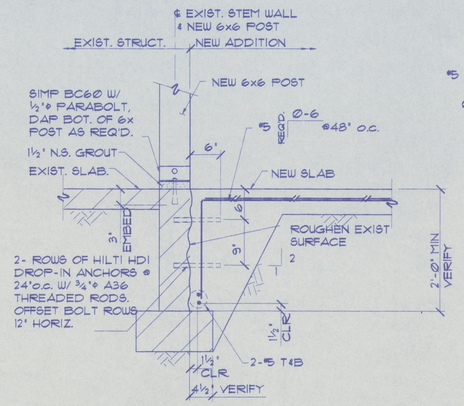
9. ALL FRAMING CONNECTORS SHALL BE SIMPSON OR APPROVED. FILL ALL NAIL HOLES WITH NAILS AS SPECIFIED BY THE HANGER MANUFACTURER, UNLESS OTHERWISE NOTED.
10. CONNECT ALL BEAMS AND JOISTS WITH SIMPSON HANGERS TO DEVELOP STRENGTH OF MEMBERS.
11. PROVIDE STANDARD PLATE WASHERS UNDER HEADS OR NUTS OF BOLTS BEARING ON WOOD.

TABLES OF EQUIVALENT FASTENERS, STAPLES, NAILS, AND T-NAILS
(VALID FOR LATERAL LOAD ONLY)

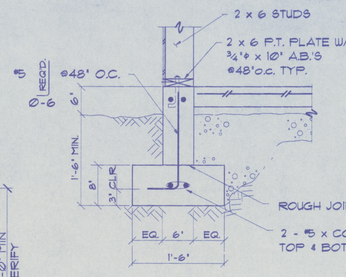
COMMON NAIL SPACING		EQUIV. SPACING OF APPR'D FASTENER				
		STAPLES			NAILS / T-NAILS	
	GAUGE	16	15	14	OJ13	OJ31
	PENET.	1"	1"	1"	1 1/4"	1 1/2"
6d AT	4"	3 1/



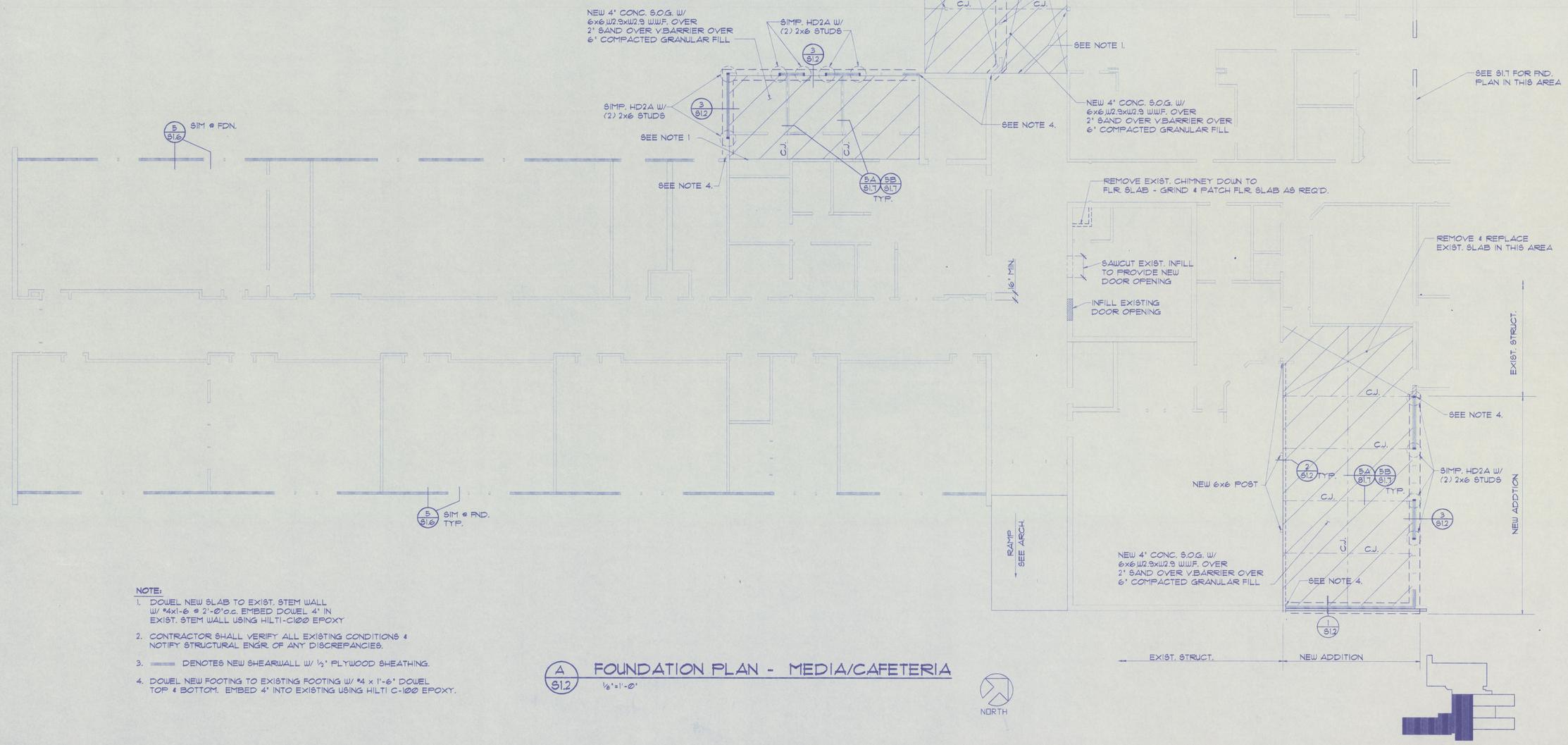
1 / S1.2 SECTION
1"=1'-Ø"



2 / S1.2 SECTION
1"=1'-Ø"



3 / S1.2 SECTION
1"=1'-Ø"



NOTE:

1. DOWEL NEW SLAB TO EXIST. STEM WALL W/ #4x1-6 @ 2'-Ø" o.c. EMBED DOWEL 4" IN EXIST. STEM WALL USING HILTI-CIØØ EPOXY
2. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS & NOTIFY STRUCTURAL ENGR. OF ANY DISCREPANCIES.
3. ——— DENOTES NEW SHEARWALL W/ ½" PLYWOOD SHEATHING.
4. DOWEL NEW FOOTING TO EXISTING FOOTING W/ #4 x 1'-6" DOWEL TOP & BOTTOM. EMBED 4" INTO EXISTING USING HILTI C-IØØ EPOXY.

A / S1.2 FOUNDATION PLAN - MEDIA/CAFETERIA
⅛"=1'-Ø"

CSC ARCHITECTS
1106 DOUGLAS, SUITE C
LONGVIEW, WA 98632
(206) 425-3030 FAX 425-6788
601 MAIN, SUITE 400
VANCOUVER, WA 98660
(206) 694-3538 FAX 694-3641

THIS DOCUMENT, AND THE IDEAS AND DESIGNS, INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CSC/SHAW, COLLINS ARCHITECTS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CSC/SHAW, COLLINS ARCHITECTS.

DRAWN BY:

DATE: 4-6-93
REVISED:

AREA H: FOUNDATION PLANS & DETAILS

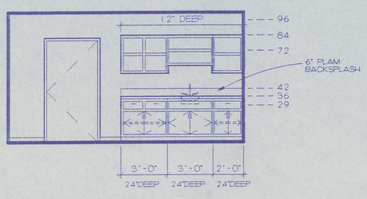
PE ELL SCHOOL MODERNIZATION
PE ELL SCHOOL DISTRICT

SEAL:
JOSEPH C. COLLINS
STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER
EXPIRES DEC. 12, 1994

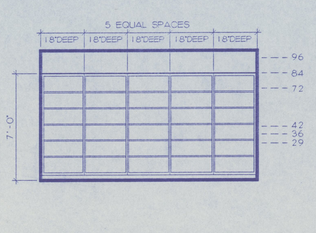
SHEET NUMBER: S1.2

JOB NUMBER: 9231

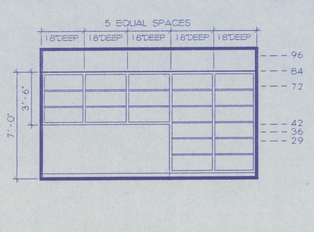
PEELL\S12, 1/8 " = 1'-0", 04/06/93 at 13:27, STATION D



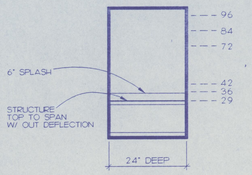
1 A10.2 MEDIA WK RM [WEST]
SCALE: 1/4" = 1'-0"



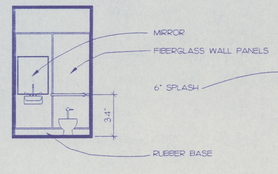
2 A10.2 MAG AV/STOR [NORTH]
SCALE: 1/4" = 1'-0"



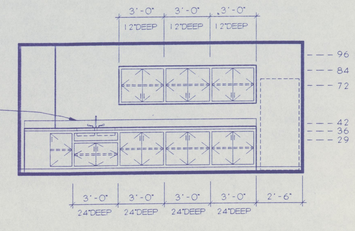
3 A10.2 MAG AV/STOR [SOUTH]
SCALE: 1/4" = 1'-0"



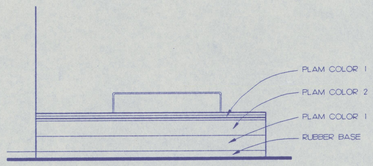
4 A10.2 PHONE [SOUTH]
SCALE: 1/4" = 1'-0"



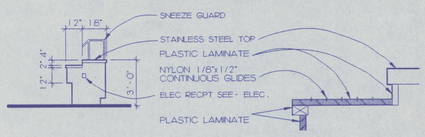
5 A10.2 TLT [EAST]
SCALE: 1/4" = 1'-0"



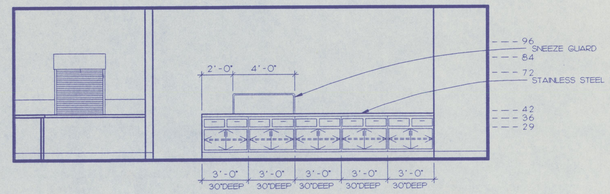
6 A10.2 STAFF LOUNGE/WK RM [WEST]
SCALE: 1/4" = 1'-0"



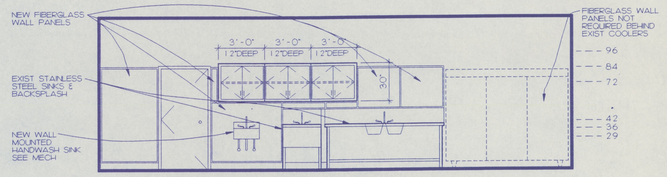
7 A10.2 CAFETERIA [EAST]
SCALE: 1/4" = 1'-0"



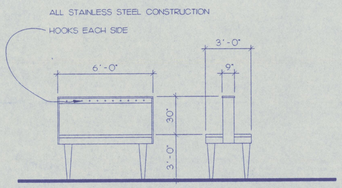
8 A10.2 KITCHEN [NORTH]
SCALE: 1/4" = 1'-0"



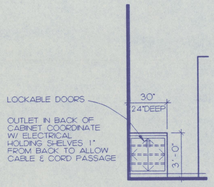
9 A10.2 KITCHEN [WEST]
SCALE: 1/4" = 1'-0"



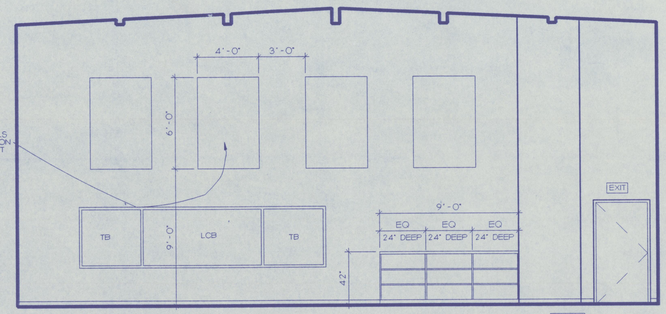
10 A10.2 KITCHEN [EAST]
SCALE: 1/4" = 1'-0"



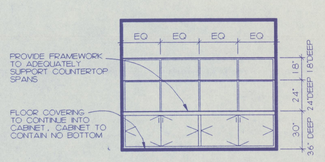
11 A10.2 KITCHEN [EAST]
SCALE: 1/4" = 1'-0"



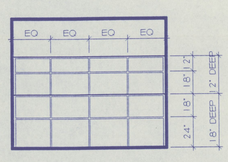
12 A10.2 MUSIC [NORTH]
SCALE: 1/4" = 1'-0"



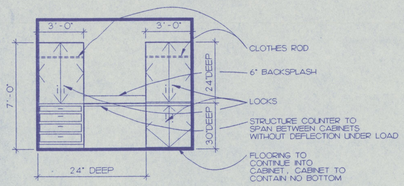
13 A10.2 MUSIC [EAST]
SCALE: 1/4" = 1'-0"



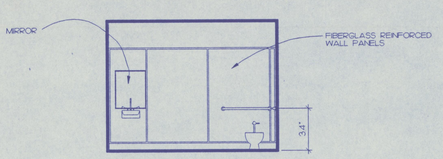
14 A10.2 PRACTICE [SOUTH]
SCALE: 1/4" = 1'-0"



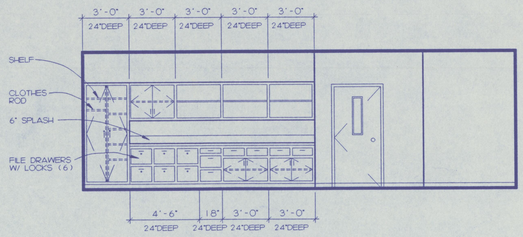
15 A10.2 PRACTICE [NORTH]
SCALE: 1/4" = 1'-0"



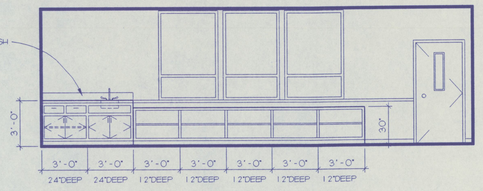
16 A10.2 PRACTICE [SOUTH]
SCALE: 1/4" = 1'-0"



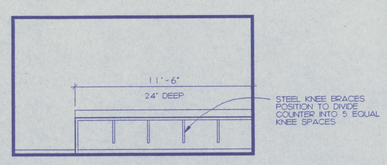
17 A10.2 TLT [EAST]
SCALE: 1/4" = 1'-0"



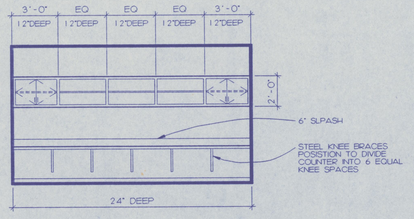
18 A10.2 8TH GRADE CLASSROOM [WEST]
SCALE: 1/4" = 1'-0"



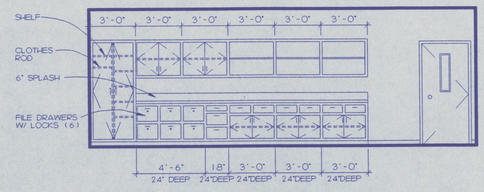
19 A10.2 8TH GRADE CLASSROOM [EAST]
SCALE: 1/4" = 1'-0"



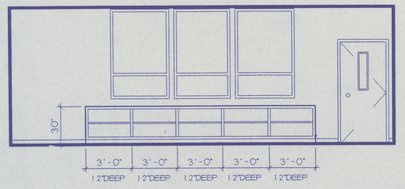
20 A10.2 COMPUTER RM [NORTH]
SCALE: 1/4" = 1'-0"



21 A10.2 COMPUTER RM [NORTH]
SCALE: 1/4" = 1'-0"



22 A10.2 6TH GRADE CLASSROOM [EAST]
SCALE: 1/4" = 1'-0"



23 A10.2 6TH GRADE CLASSROOM [WEST]
SCALE: 1/4" = 1'-0"

CSC ARCHITECTS
601 MAIN, SUITE 402
VANCOUVER, WA 98660
(206) 694-3528 FAX 694-5641
1106 DOUGLAS, SUITE G
WENATCHEE, WA 98801
(509) 663-3013 FAX 425-6768

THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CROOK, SHAW, COLLINS ARCHITECTS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CROOK, SHAW, COLLINS ARCHITECTS.

DRAWN BY:

DATE:
4-6-93
REVISED:

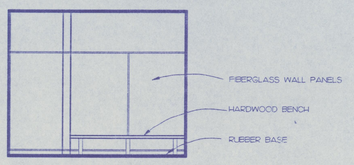
INTERIOR ELEVATIONS

PE ELL SCHOOL MODERNIZATION AND ADDITIONS
PE ELL SCHOOL DISTRICT

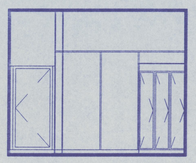
SEAL:
REGISTERED ARCHITECT
CRAIG M. COLLINS
STATE OF WASHINGTON

SHEET NUMBER:
A10.2

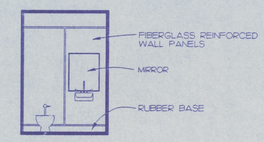
JOB NUMBER:
9231



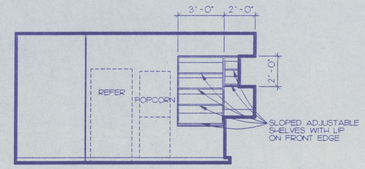
1 A10.3 REF DRESS NORTH
SCALE: 1/4" = 1'-0"



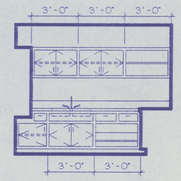
2 A10.3 REF DRESS NORTH
SCALE: 1/4" = 1'-0"



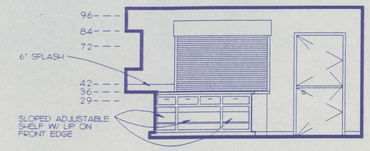
3 A10.3 TLT EAST
SCALE: 1/4" = 1'-0"



4 A10.3 CONC/TICKETS NORTH
SCALE: 1/4" = 1'-0"



5 A10.3 CONC/TICKETS EAST
SCALE: 1/4" = 1'-0"



6 A10.3 CONC/TICKETS SOUTH
SCALE: 1/4" = 1'-0"

CSC ARCHITECTS
601 MAIN, SUITE 402
VANCOUVER, WA 98660
(206) 694-5328 FAX 694-5641
1106 DOUGLAS, SUITE G
LONGVIEW, WA 98632
(206) 425-5300 FAX 425-6788

THIS DOCUMENT, AND THE IDEAS AND DESIGNS, INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CROOK, SHAW, COLLINS ARCHITECTS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CROOK, SHAW, COLLINS ARCHITECTS.

DRAWN BY:

DATE:
4-6-93
REVISED:

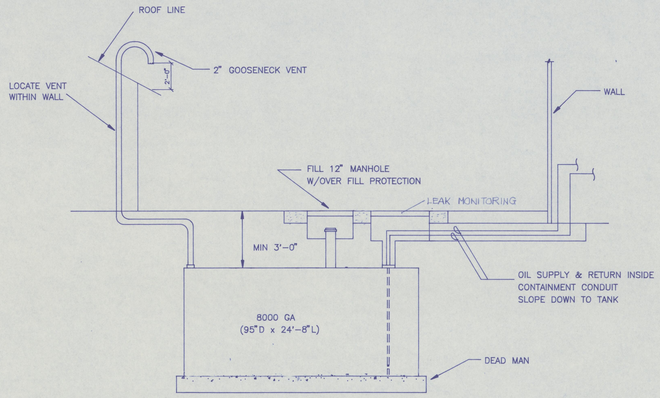
INTERIOR ELEVATIONS

PE ELL SCHOOL MODERNIZATION AND ADDITIONS
PE ELL SCHOOL DISTRICT

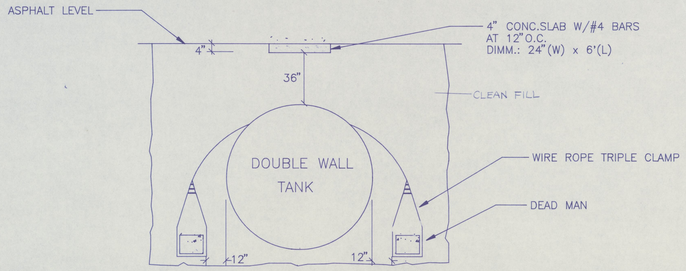
SEAL:
6331 REGISTERED ARCHITECT
CRAIG M. COLLINS
STATE OF WASHINGTON

SHEET NUMBER:
A10.3

JOB NUMBER:
9231



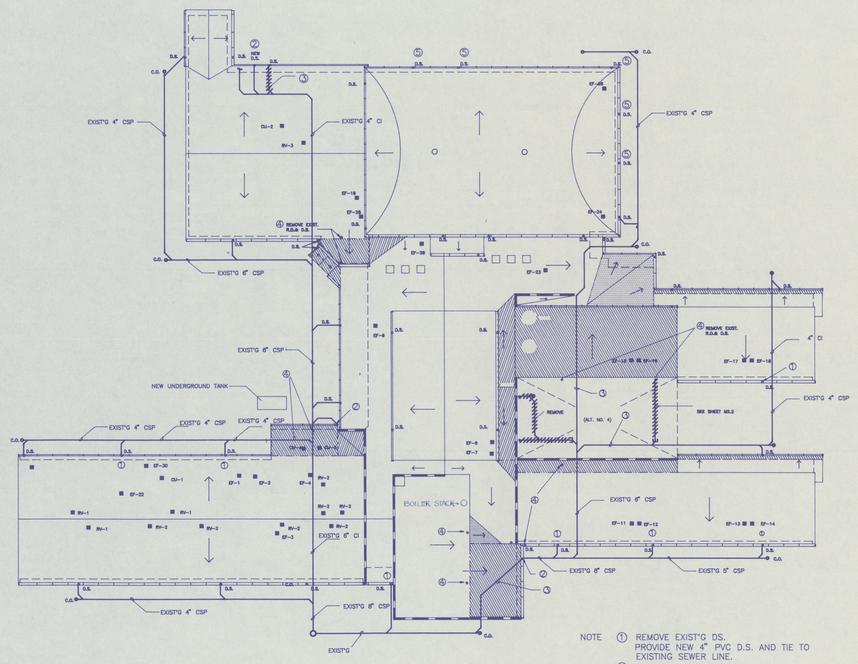
2 / M1.0 NO SCALE



1 / M1.0 UNDERGROUND TANK – SECTION VIEW
NO SCALE

MECHANICAL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	COLD WATER		PRESSURE GUAGE
	HOT WATER		THERMOMETER
HWS	HOT WATER SUPPLY(HTG.)		SUPPLY DUCT UP
HWR	HOT WATER RETURN(HTG.)		RETURN DUCT UP
	WASTE OR SANITARY SEWER		SUPPLY DUCT DOWN
	VENT (V.)		RETURN DUCT DOWN
R.D.	ROOF DRAIN LINE		SOUNDLINED DUCT
	GATE VALVE		DIFFUSER W/FLEX DUCT CONNECTOR
	CONTROL VALVE(3-WAY)		GRILLE W/FLEX DUCT CONNECTOR
	CONTROL VALVE(2-WAY)		DUCT W/BALANCE DAMPER
	BALANCE VALVE		FIRE DAMPER
	BALL VALVE		MOTORIZED DAMPER
	CHECK VALVE		MITERED ELBOW W/TURNING VANES
	TEMP/PRESSURE RELIEF VALVE	T	THERMOSTAT
PRV	PRESSURE REDUCING VALVE		DOUBLE CHECK VALVE
	PIPE DOWN		CONCENTRIC REDUCER
	PIPE UP	X	DIFFUSER/GRILLE MARK
	BRANCH TOP CONNECTION	SS	STEAM SUPPLY
	BRANCH BOTTOM CONNECTION	CR	COND. RETURN
	BRANCH SIDE CONNECTION	CR	PUMPED COND. RETURN
	CAP END OF PIPE	R.D.	ROOF DRAIN
	UNION	D.S.	DOWN SPOUT
	PIPE GUIDE		
	FLOW DIRECTION		
	STRAINER		
	FLEXIBLE CONNECTION (PIPE)		
POC	POINT OF CONNECTION		
	HOT WATER CIRCULATE(H.W.C.)		



NORTH

3 / M1.0 ROOF PLAN
Scale: 1/32" = 1'-0"

NOTE
1. REMOVE EXIST'G DS. PROVIDE NEW 4" PVC D.S. AND TIE TO EXISTING SEWER LINE.
2. NEW RD & DS AND NEW 4"ROOF DRAIN LINE. TIE TO EXIST'G STORM LINE.
3. REMOVE EXISTING CONCRETE SEWER PIPE AND REPLACE WITH NEW CAST IRON UNDER NEW SLABS AND WITHIN 5FT OF EXTERIOR WALL.
4. REMOVE EXISTING R.D. & D.S. CAP AND CONCEAL BELOW GRADE.
5. PROVIDE AND INSTALL NEW 4" PVC D.S.

CSC ARCHITECTS
601 MAIN, SUITE 400
VANCOUVER, WA 98660
(206) 694-5539 FAX 694-5641
1106 DOUGLAS, SUITE G
LONGVIEW, WA 98632
(206) 425-3030 FAX 425-6788

THIS DOCUMENT, AND THE IDEAS AND DESIGNS, INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CROOK, SHAW, COLLINS ARCHITECTS AND SHALL NOT BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CROOK, SHAW, COLLINS ARCHITECTS.

DRAWN BY:

DATE: 4-6-93
REVISED:

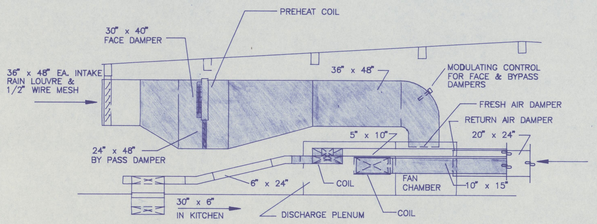
SITE/ ROOF PLAN

PE ELL SCHOOL MODERNIZATION
PE ELL SCHOOL DISTRICT

SEAL: HENRY F. ROMERO, STATE OF WASHINGTON, 21168, REGISTERED PROFESSIONAL ENGINEER
EXPIRES 7/29/93

SHEET NUMBER: M1.0

JOB NUMBER: 9231



2 / M 2.1 O.A. INTAKE DUCT — KITCHEN

1/4" = 1'-0"

PLAN NOTE

1. Remove existing grills, diffusers and louvers
2. Remove existing fixtures. Cap and conceal piping in space.
3. Cap and abandon existing floor drain.
4. Remove existing electric heater.
5. Relocate existing dish washer exhaust fan. See sheet M3.1
6. Remove existing oil tank vent.
7. remove existing propane tank w/ bollards and make new connection to existing gas piping.
8. Remove relief valve pipe from booster heater. See sheet M4.1 for rerouting.
9. Remove existing relief fan.
10. Remove return grill at bottom of corridor wall and patch
11. Remove duct and grill. Conceal the existing duct at floor level

General Note for demolition plans, M2.1 through M2.3. Shaded area indicates demolition.

1. Remove existing multizone H&V Unit with steam coils and related accessories and piping as indicated.
2. Remove existing ducting as indicated. Clean all ductwork to be reused.
3. Remove existing Thermostats.
4. Remove existing exhaust fan as indicated.
5. Remove existing plumbing fixtures and cap and abandon existing piping concealed in space as indicated.
6. Remove control panels. Remove or abandon control wire and pneumatic tubing as required.
7. Patch the area, left-over after demolition or removal unless the area is covered by new work

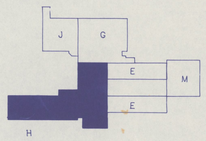
Steam piping demolition note:

1. Remove all existing condensate drip piping and steam traps and plug branch lines.
2. Cap and abandon existing steam and condensate piping as shown by hatched line.

1 / M 2.1 DEMOLITION PLAN — HIGH SCHOOL/MEDIA/CAFETERIA

1/8" = 1'-0"

NORTH



CSC ARCHITECTS
1106 DOUGLAS, SUITE G
LONGVIEW, WA 98632
(206) 425-3030 FAX 425-6788
601 MAIN, SUITE 400
VANCOUVER, WA 98660
(206) 694-3528 FAX 694-3641

THIS DOCUMENT, AND THE IDEAS AND DESIGNS, INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF THE SHAW, COLLINS ARCHITECTS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF SHAW, COLLINS ARCHITECTS.

DRAWN BY:

DATE: 4 - 6 - 93
REVISED:

DEMOLITION PLAN — HIGH SCHOOL/MEDIA/CAFETERIA

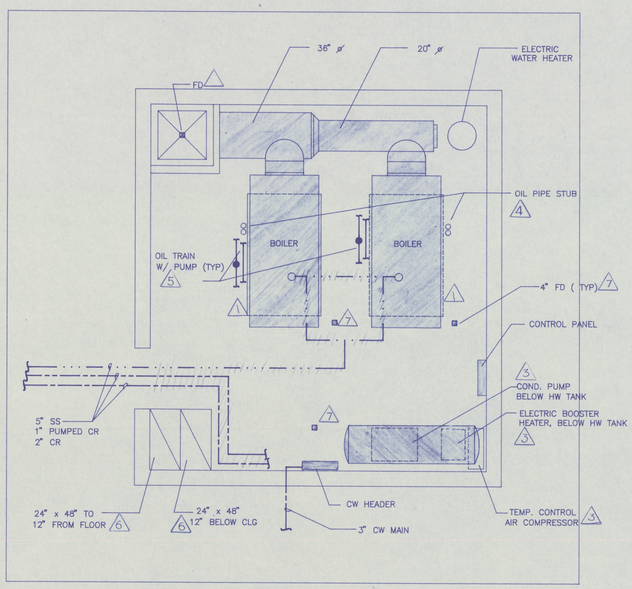
PE ELL SCHOOL MODERNIZATION
PE ELL SCHOOL DISTRICT

SEAL:

HENRY E. ROMER
STATE OF WASHINGTON
21108
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 7/27/93

SHEET NUMBER:
M2.1

JOB NUMBER:
9231

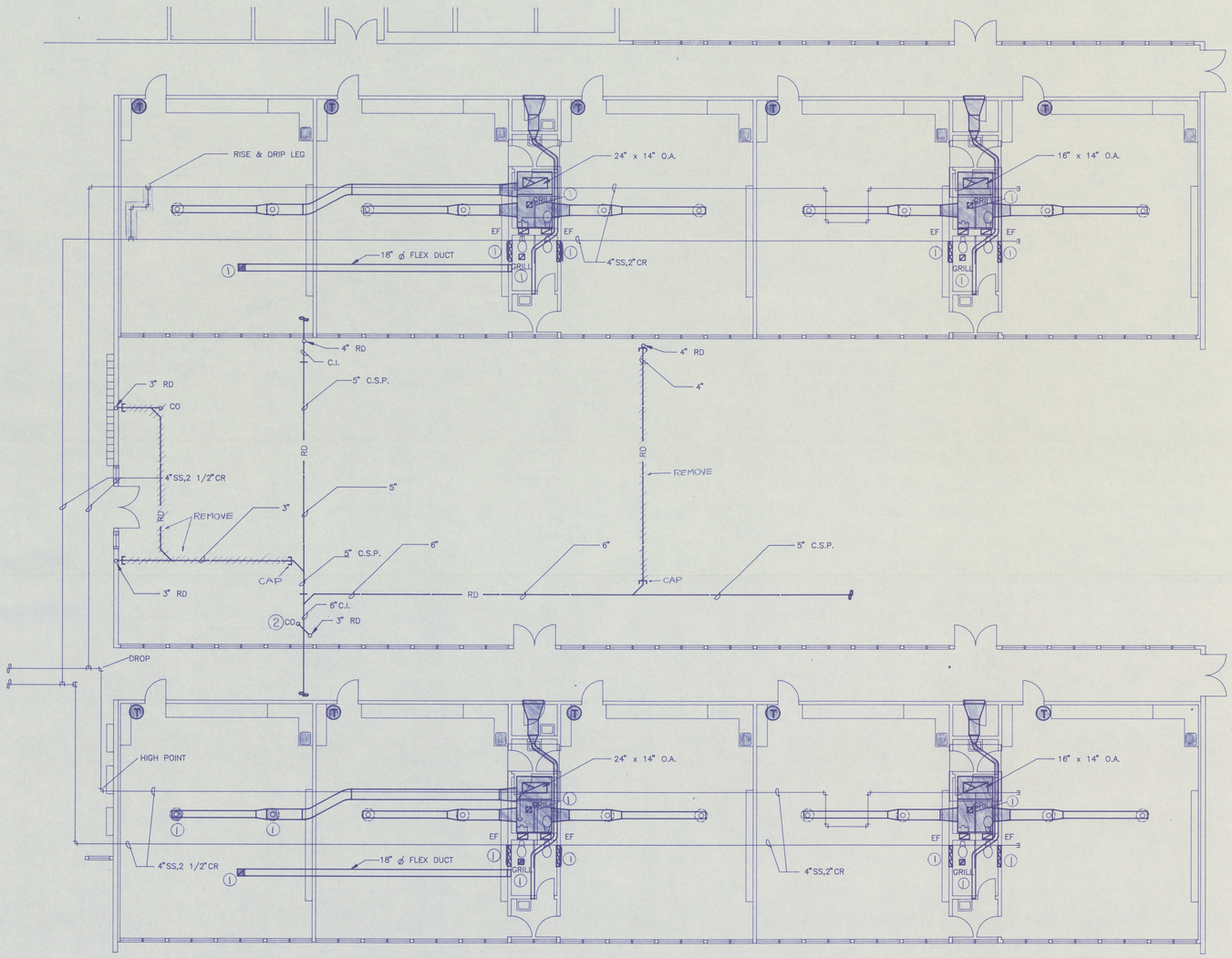


2 / M2.2 BOILER ROOM PLAN

1/4" = 1'-0"

Boiler room demolition note:

1. Boilers will be removed outside of contract.
2. Remove existing steam boiler related piping and accessories including breeching.
3. Remove existing condensate pump, air compressor, hot water tank, and related piping and accessories.
4. Cut existing oil pipe stub and conceal by pouring concrete.
5. Remove oil train w/ pump and related piping.
6. Relocate existing combustion air intake. See sheet M4.6
7. Existing floor drains shall be capped and concealed at floor level.
8. Remove all piping inside boiler room. Install new piping and connect to existing piping See sheet M4.6 for new piping layout.



1 / M 2.2 DEMOLITION PLAN – ELEMENTARY/MULTI-PURPOSE

1/8" = 1'-0"

Note

1. Remove existing grills ,diffusers and louvers.

NORTH

CSC ARCHITECTS

1106 DOUGLAS, SUITE G
LONGVIEW, WA 98632
(206) 425-3030 FAX 425-6768

601 MAIN, SUITE 400
VANCOUVER, WA 98660
(206) 694-5528 FAX 694-5641

THIS DOCUMENT, AND THE IDEAS AND DESIGNS, INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CROOK, SHAW, COLLINS ARCHITECTS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CROOK, SHAW, COLLINS ARCHITECTS.

DRAWN BY:

DATE: 4 - 6 - 93

REVISED:

DEMOLITION PLAN – ELEMENTARY/MULTI-PURPOSE

PE ELL SCHOOL MODERNIZATION
PE ELL SCHOOL DISTRICT

SEAL:

HENRY F. ROMER
STATE OF WASHINGTON
21166
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 7/17/93

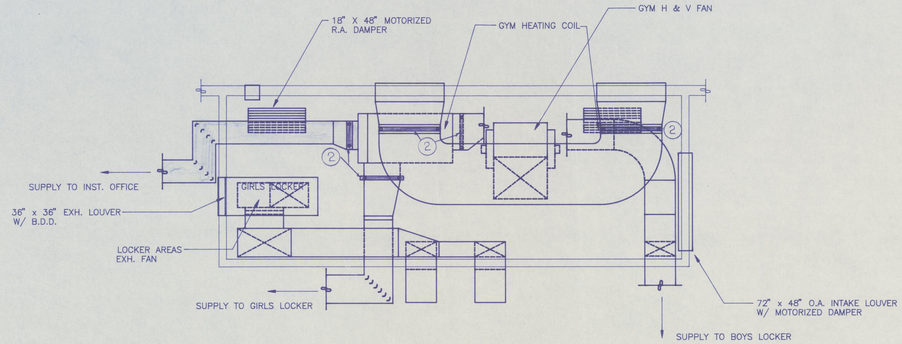
SHEET NUMBER:

M2.2

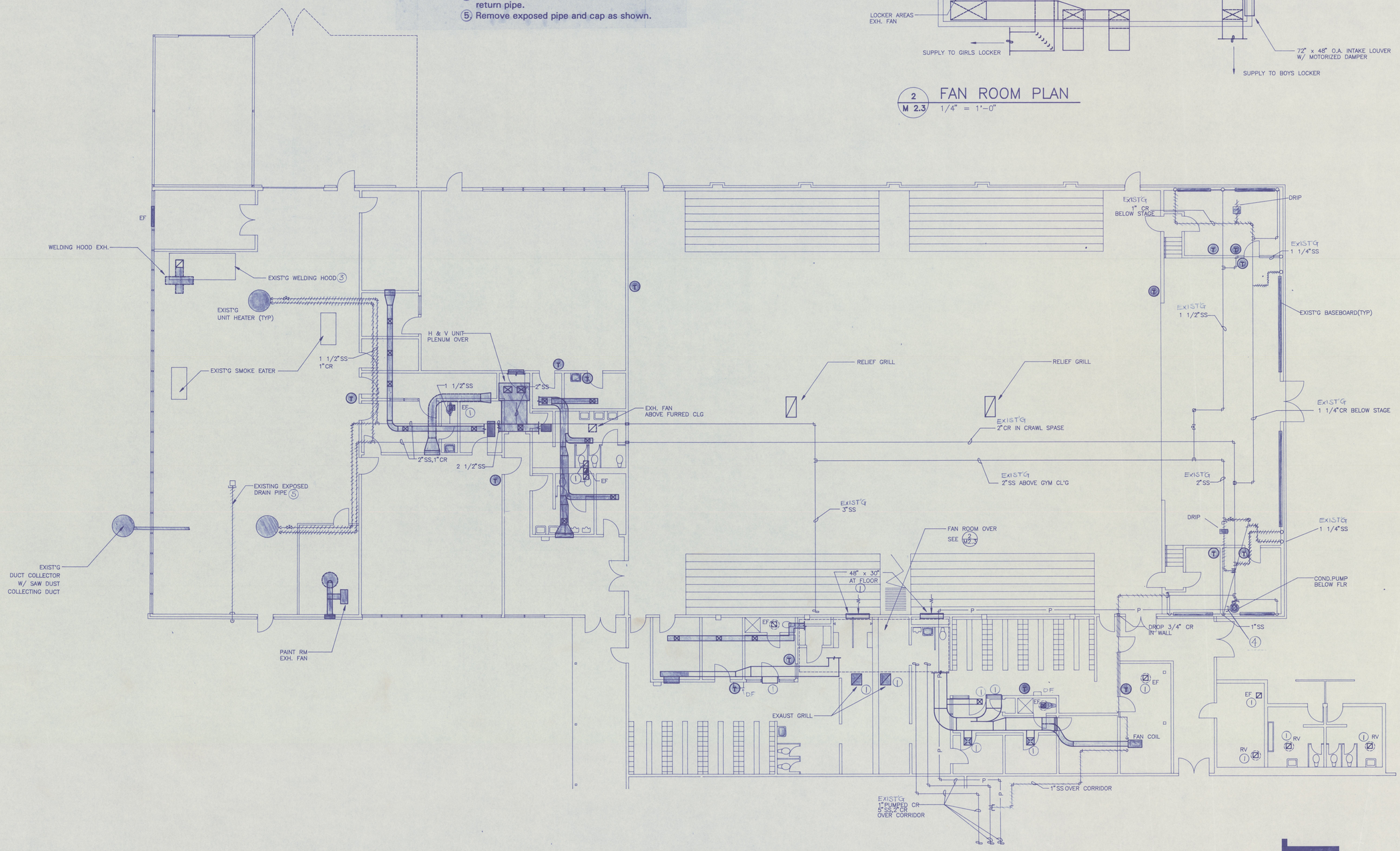
JOB NUMBER: 9231

PLAN NOTE

1. Remove existing grills, louvers and diffusers.
2. Remove existing steam coil and related piping & accessories.
3. Relocate existing welding hood. See M3.3.
4. Cap and abandon existing pumped condensate return pipe.
5. Remove exposed pipe and cap as shown.

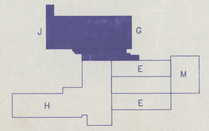


2 / M 2.3 FAN ROOM PLAN
1/4" = 1'-0"



1 / M 2.3 DEMOLITION PLAN — JR. HIGH/GYM
1/8" = 1'-0"

NORTH



CSC ARCHITECTS
601 MAIN, SUITE 400
VANCOUVER, WA 98660
(206) 694-3528 FAX 694-3841
1106 DOUGLAS, SUITE G
LONGVIEW, WA 98632
(206) 425-3030 FAX 425-6788

THIS DOCUMENT, AND THE IDEAS AND DESIGNS, INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CSC SHAW, COLLINS ARCHITECTS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CSC SHAW, COLLINS ARCHITECTS.

DRAWN BY:

DATE: 4 - 6 - 93
REVISED:

DEMOLITION PLAN — JR. HIGH/GYM

PE ELL SCHOOL MODERNIZATION
PE ELL SCHOOL DISTRICT

SEAL:
HENRY F. ROMERO
STATE OF WASHINGTON
21106
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 7/25/93

SHEET NUMBER: M2.3

JOB NUMBER: 9231

H & V PLAN – HIGH SCHOOL/MEDIA/CAFETERIA

1/8" = 1'-0"

NORTH

CSC ARCHITECTS
1106 DOUGLAS, SUITE G
LYNDEN, WA 98264
(206) 354-3030 FAX 425-6788
601 MAIN, SUITE 400
VANCOUVER, WA 98660
(206) 694-5526 FAX 694-5641

THIS DOCUMENT, AND THE IDEAS AND DESIGNS, INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CROOK, SHAW, COLLINS ARCHITECTS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT, WITHOUT THE WRITTEN AUTHORIZATION OF CROOK, SHAW, COLLINS ARCHITECTS.

DRAWN BY:

DATE: 4 - 6 - 93
REVISED:

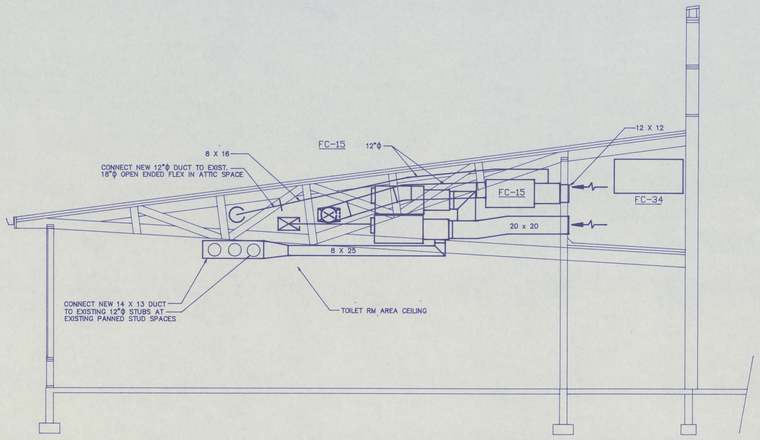
H & V PLAN – HIGH SCHOOL/MEDIA/CAFETERIA

PE ELL SCHOOL MODERNIZATION
PE ELL SCHOOL DISTRICT

SEAL:
HENRY E. ROMER
STATE OF WASHINGTON
21108
REGISTERED
PROFESSIONAL ENGINEER
EXPIRES 7/27/93

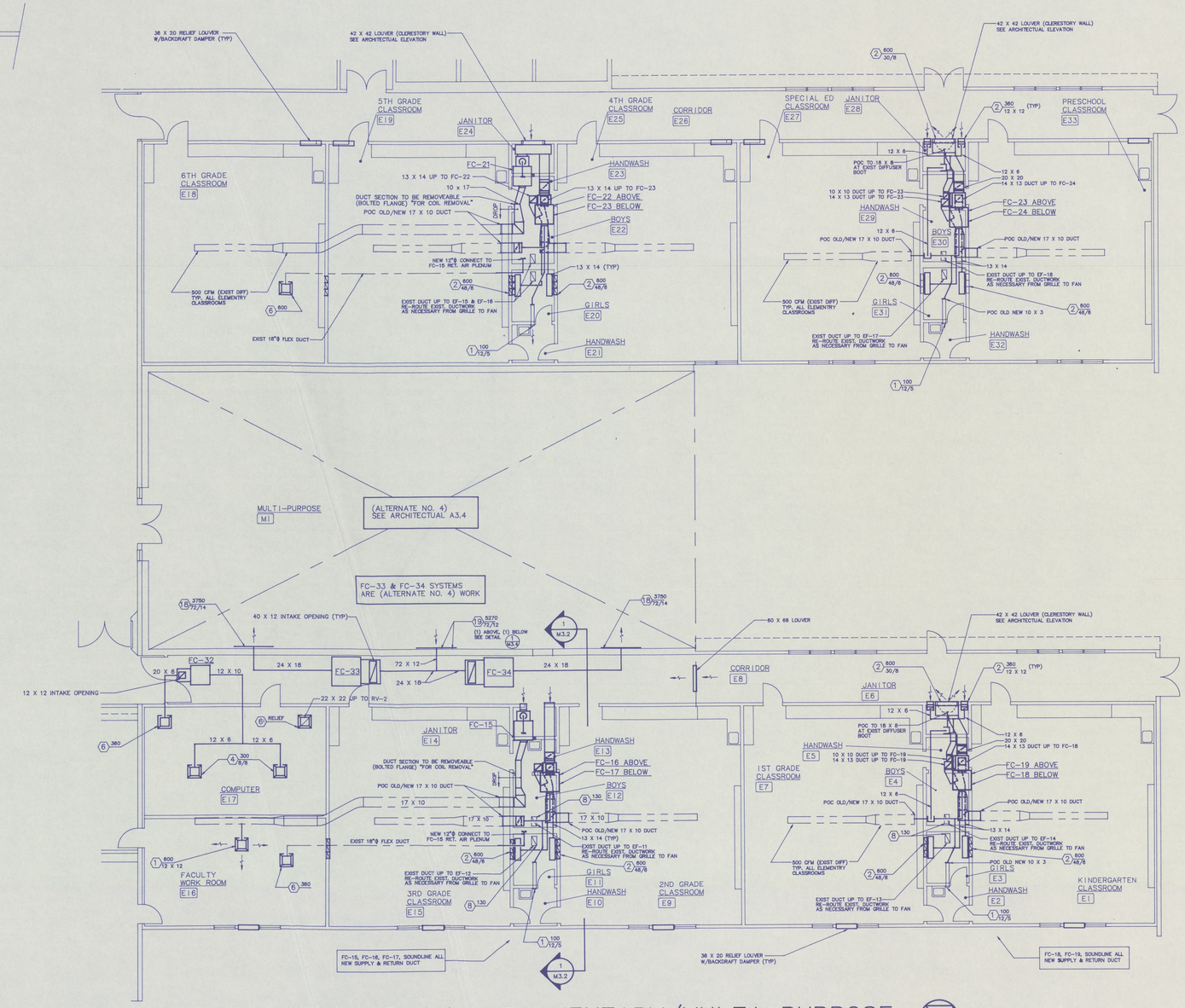
SHEET NUMBER: M3.1

JOB NUMBER: 9231



1 / M3.2 BUILDING SECTION CLASSROOM

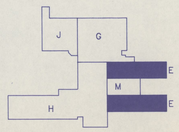
Scale: 1/4" = 1'-0"



H & V PLAN – ELEMENTRY/MULTI-PURPOSE

1/8" = 1'-0"

NORTH



CSC ARCHITECTS
601 MAIN, SUITE 400
VANCOUVER, WA 98660
(206) 694-5528 FAX 694-5641
1106 DOUGLAS, SUITE G
LONGVIEW, WA 98632
(206) 425-3030 FAX 425-6768

THIS DOCUMENT, AND THE IDEAS AND DESIGNS, INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CROOK, SHAW, COLLINS ARCHITECTS AND SHALL NOT BE USED IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CROOK, SHAW, COLLINS ARCHITECTS.

DRAWN BY:

DATE: 4-6-93

REVISED:

H & V PLAN – ELEMENTRY/MULTIPURPOSE

PE ELL SCHOOL MODERNIZATION
PE ELL SCHOOL DISTRICT

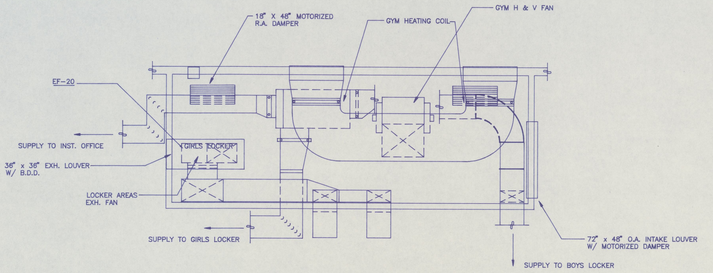
SEAL:

HENRY E. ROMEYN STATE OF WASHINGTON 21108 REGISTERED PROFESSIONAL ENGINEER

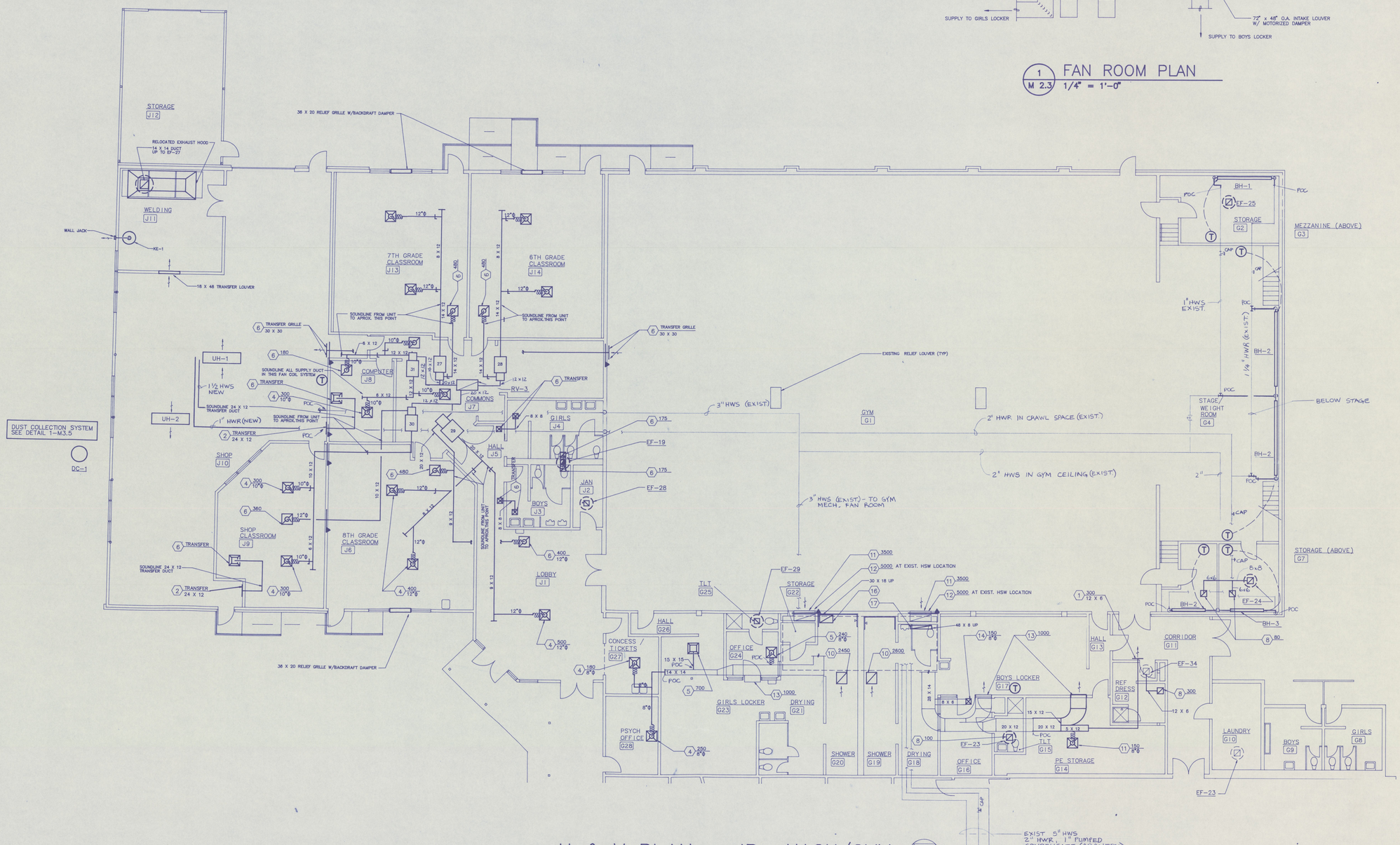
EXPIRES 9/27/93

SHEET NUMBER: M3.2

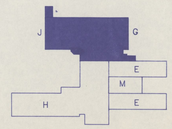
JOB NUMBER: 9231



1 M 2.3 FAN ROOM PLAN
1/4" = 1'-0"



H & V PLAN – JR. HIGH/GYM
1/8" = 1'-0"



CSC ARCHITECTS
1106 DOUGLAS, SUITE G
LONGVIEW, WA 98632
(206) 425-3300 FAX 425-6768
601 MAIN, SUITE 400
VANCOUVER, WA 98660
(206) 694-5326 FAX 694-5841

THIS DOCUMENT, AND THE IDEAS AND DESIGNS, INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CSC SHAW, COLLINS ARCHITECTS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CSC SHAW, COLLINS ARCHITECTS.

DRAWN BY:

DATE: 4 - 6 - 93
REVISED:

H & V PLAN JR. HIGH/ GYM

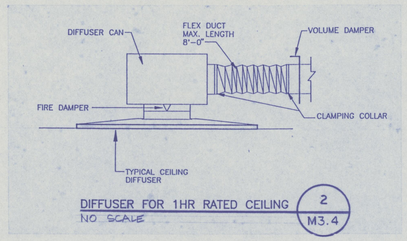
PE ELL SCHOOL MODERNIZATION
PE ELL SCHOOL DISTRICT

SEAL:

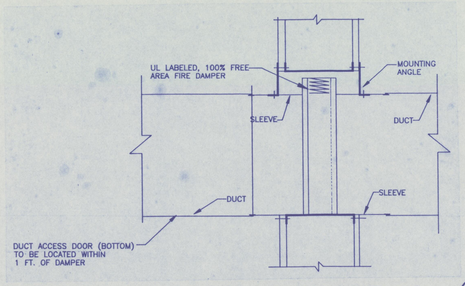


SHEET NUMBER:
M3.3

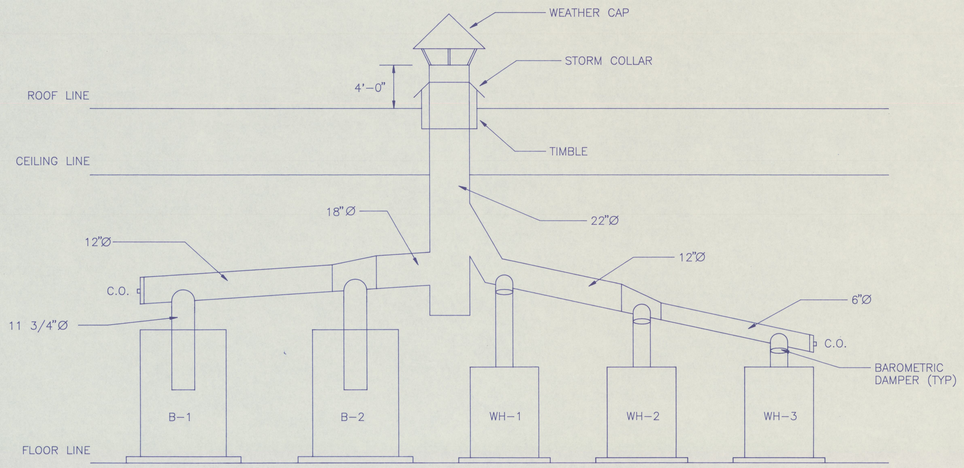
JOB NUMBER:
9231



DIFFUSER FOR 1HR RATED CEILING — 2 / M3.4
NO SCALE



THRU WALL FIRE DAMPER DETAIL — 3 / M3.4
NO SCALE



STACK INSTALL. DETAIL — 1 / M3.4
NO SCALE

CSC ARCHITECTS
1106 DOUGLAS, SUITE G
LONGVIEW, WA 98632
(206) 425-3600 FAX 425-6788
601 MAIN, SUITE 400
VANCOUVER, WA 98660
(206) 694-5328 FAX 694-5441

THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CROOK, SHAW, COLLINS ARCHITECTS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CROOK, SHAW, COLLINS ARCHITECTS.

DRAWN BY:

DATE: 4 - 6 - 93

REVISED:

MECHANICAL SECTIONS & DETAILS

PE ELL SCHOOL MODERNIZATION
PE ELL SCHOOL DISTRICT

SEAL:

HENRY F. ROMER
STATE OF WASHINGTON
21108
REGISTERED
PROFESSIONAL ENGINEER
EXPIRES 7/27/93

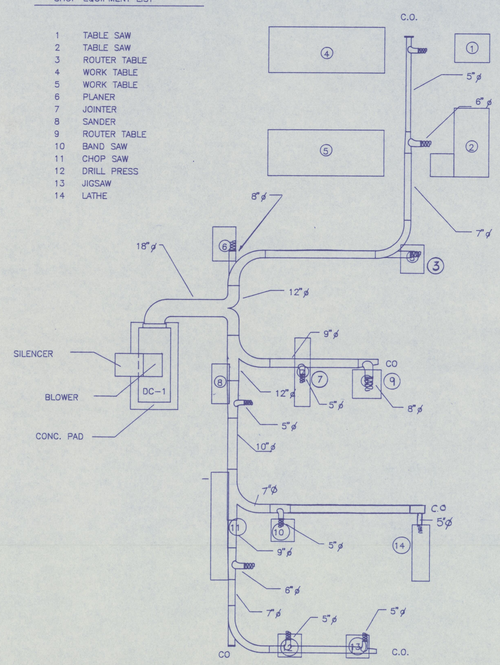
SHEET NUMBER:

M3.4

JOB NUMBER:
9231

SHOP EQUIPMENT LIST

1	TABLE SAW
2	TABLE SAW
3	ROUTER TABLE
4	WORK TABLE
5	WORK TABLE
6	PLANER
7	JOINTER
8	SANDER
9	ROUTER TABLE
10	BAND SAW
11	CHOP SAW
12	DRILL PRESS
13	JIGSAW
14	LATHE



1 M3.5 DUST COLLECTING SYSTEM DETAIL

NO SCALE

Note

1. Follow SMACNA High velocity duct installation
2. Provide and install blast gate at the end of branch duct.
3. Make final connection to each tool under direction of owner.
4. Provide 2" thick concrete pad as shown.

FAN COIL UNIT SCHEDULE

ID NO.	MANUFACTURER	MODEL	BLOWER CFM	BLOWER MIN. O.A. %	BLOWER E.S.P. IN WG	BLOWER HP	BLOWER V/PH	H.W. COIL EWT	H.W. COIL LWT	H.W. COIL GPM	H.W. COIL MBH	H.W. COIL P.D. (ft)	Wt (lbs)	REMARKS
FC-1	MAGIC AIR	36BHW-2	1,400	50	0.50	3/4	120/1	180	156	6	70	4.1	170	
FC-2	MAGIC AIR	36BHW-2	1,400	40	0.45	3/4	120/1	180	156	6	70	4.1	170	
FC-3	MAGIC AIR	36BHW-2	1,400	40	0.50	3/4	120/1	180	156	6	70	4.1	170	
FC-4	MAGIC AIR	24BHW-2	1,000	40	0.50	1/2	120/1	180	156	4	46	5.2	140	
FC-5	MAGIC AIR	24BHX-2	1,000	40	0.50	1/2	120/1	180	156	4	46	5.2	140	W/ DX COOLING, CU-1
FC-6	MAGIC AIR	24BHW-2	1,200	40	0.55	1/2	120/1	180	156	4	46	5.2	140	
FC-7	MAGIC AIR	36BHW-2	1,200	40	0.45	1/2	120/1	180	155	6	70	4.1	170	
FC-8	MAGIC AIR	24BHW-2	1,000	40	0.40	1/2	120/1	180	156	4	46	5.2	140	W/ DX COOLING, CU-4
FC-9	MAGIC AIR	24BHW-2	600	20	0.40	1/4	120/1	180	156	4	46	5.2	140	W/ DX COOLING, CU-5
FC-10	MAGIC AIR	48BHW-2	1,950	40	0.35	3/4	120/1	180	155	8	97	3	200	COMMONS
FC-11	MAGIC AIR	24BHW-2	950	100	0.35	1/2	120/1	180	156	4	46	5.2	140	SERVING KITCHEN
FC-12	MAGIC AIR	36BHW-2	1,500	40	0.35	3/4	120/1	180	156	6	70	4.1	170	MUSIC
FC-13	MAGIC AIR	48BHW-2	1,950	40	0.45	3/4	120/1	180	155	8	97	3	200	LIBRARY
FC-13A	MAGIC AIR	24BHW-2	650	40	0.35	1/4	120/1	180	156	4	46	5.2	140	
FC-14	MAGIC AIR	36BHW-2	1,500	20	0.35	3/4	120/1	180	156	6	70	4.1	170	HALLWAY
FC-15	MAGIC AIR	24BHW-2	600	40	0.40	1/4	120/1	180	162	4	36	5.2	140	
FC-16	MAGIC AIR	24BHW-2	1,000	40	0.45	1/2	120/1	180	156	4	46	5.2	140	
FC-17	MAGIC AIR	24BHW-2	1,100	40	0.45	1/2	120/1	180	156	4	46	5.2	140	
FC-18	MAGIC AIR	36BHW-2	1,500	20	0.40	3/4	120/1	180	156	4	46	5.2	140	
FC-19	MAGIC AIR	24BHW-2	1,000	40	0.45	1/2	120/1	180	156	4	46	5.2	140	CORRIDOR
FC-21	MAGIC AIR	24BHW-2	1,000	40	0.40	1/2	120/1	180	156	4	46	5.2	140	
FC-22	MAGIC AIR	24BHW-2	1,000	40	0.45	1/2	120/1	180	156	4	46	5.2	140	
FC-23	MAGIC AIR	24BHW-2	1,100	40	0.45	1/2	120/1	180	156	4	46	5.2	140	
FC-24	MAGIC AIR	36BHW-2	1,500	20	0.40	3/4	120/1	180	156	4	46	5.2	140	
FC-25	MAGIC AIR	24BHW-2	1,000	40	0.45	1/2	120/1	180	156	4	46	5.2	140	
FC-27	MAGIC AIR	24BHW-2	800	40	0.35	1/4	120/1	180	159	4	41.5	5.2	140	
FC-28	MAGIC AIR	24BHW-2	800	40	0.35	1/4	120/1	180	159	4	41.5	5.2	140	
FC-29	MAGIC AIR	36BHW-2	1,400	40	0.35	3/4	120/1	180	156	6	70	4.1	170	
FC-30	MAGIC AIR	24BHW-2	600	40	0.35	1/4	120/1	180	162	4	36	5.2	140	
FC-31	MAGIC AIR	24BHX-2	600	40	0.35	1/4	120/1	180	156	4	46	5.2	140	W/ DX COOLING, CU-2
FC-32	MAGIC AIR	24BHX-2	600	40	0.35	1/4	120/1	180	156	4	46	5.2	140	W/ DX COOLING, CU-3
FC-33	MAGIC AIR	90BHW-4	3,750	70	0.45	1 1/2	230/1	180	143	9	164	1.2	480	ALTERNATIVE #4
FC-34	MAGIC AIR	90BHW-4	3,750	70	0.45	1 1/2	230/1	180	143	9	164	1.2	480	ALTERNATIVE #4

CONDENSING UNIT SCHEDULE

ID NO.	MANUFACTURER	MODEL	COOLING CAP. (BTUH)	SEER	ELECTRIC FAN H.P.	ELECTRIC COMPR. RLA	ELECTRIC MCA	ELECTRIC VOLTS/Ph	REMARKS
CU-1	CARRIER	38GNA 024	24,000	Min 10.0	1/4	11.5	16.1	230/1	INDOOR UNIT FC-5
CU-2	CARRIER	38GNA 018	18,000	Min 10.0	1/10	9.6	12.8	230/1	INDOOR UNIT FC-31
CU-3	CARRIER	38GNA 018	18,000	Min 10.0	1/10	9.6	12.8	230/1	INDOOR UNIT FC-32
CU-4	CARRIER	38GNA 024	24,000	Min 10.0	1/4	11.5	16.1	230/1	INDOOR UNIT FC-8
CU-5	CARRIER	38GNA 018	18,000	Min 10.0	1/10	9.6	12.8	230/1	INDOOR UNIT FC-9

EXISTING SUPPLY FAN SCHEDULE

ID NO.	SERVING AREA	CFM	MOTOR HP	MOTOR V/Ph.	REMARKS
SF-1	GYM	10,000	3	230/1	
SF-2	LOCKER RMS	6,000	2	230/1	

CABINET UNIT HEATER SCHEDULE

ID NO.	MANUFACTURER	MODEL	MBH	ELECTRIC HP	ELECTRIC RPM	ELECTRIC VOLTS/Ph	WATER EWT	WATER dT	WATER GPM	WATER FILTER SIZE	REMARKS
UH-1	STERLING	C1140-12	70	1/10	1050	115/1	180 F	20 F	7.5	57 3/4" x 8 11/16"	1" PLEATED FILTER
UH-2	STERLING	C1140-12	70	1/10	1050	115/1	180 F	20 F	7.5	57 3/4" x 8 11/16"	1" PLEATED FILTER

DUST COLLECTOR SCHEDULE

ID NO.	MANUFACTURER	MODEL	CFM	EXT. S.P.	MOTOR HP	MOTOR V/Ph.	REMARKS
DC-1	STERN	DKTD 48010	4,000	5"	10	230/1	INTERLOCK w/ EACH TOOL

EXHAUST FAN SCHEDULE

MARK	MFG	MODEL	CONFIG.	AREA SERVED (ROOM NO.'S)	PERFORMANCE CFM	PERFORMANCE IN.SP.	MOTOR H.P.	MOTOR VOLTS/PH.	BACKDRAFT DAMPER	REMARKS
EF-1	GREENHECK	LD70-D	ROOF	H10	250		1/30			EXISTING
EF-2	GREENHECK	LD70-D	ROOF	H11	250		1/30			EXISTING
EF-3	GREENHECK	G60	ROOF	H24	50	0.12	1/60	115/1	YES	
EF-4	GREENHECK	G60	ROOF	H19	100	0.12	1/60	115/1	YES	
EF-5	GREENHECK	G60	ROOF	H42	100	0.12	1/60	115/1	YES	
EF-6	GREENHECK	LD70-D		H44						EXISTING
EF-7	GREENHECK	LD70-D		H43						EXISTING
EF-8	GREENHECK	G60	ROOF	H37 & H35	150	0.15	1/60	115/1	YES	
EF-9	GREENHECK	GB80-4	ROOF	STORAGES & MUSIC	580	0.25	1/4	115/1	YES	
EF-10	GREENHECK	GW60-D	SIDEWAL	H45	150	0.12	1/60	115/1	YES	
EF-11	GREENHECK	LD60-D		E11						EXISTING
EF-12	GREENHECK	LD60-D		E12						EXISTING
EF-13	GREENHECK	LD60-D		E3						EXISTING
EF-14	GREENHECK	LD60-D		E4						EXISTING
EF-15	GREENHECK	LD60-D		E20						EXISTING
EF-16	GREENHECK	LD60-D		E22						EXISTING
EF-17	GREENHECK	LD60-D		E30						EXISTING
EF-18	GREENHECK	LD60-D		E31						EXISTING
EF-19	GREENHECK	LD60-D		J4 & J3						EXISTING
EF-20	ALLADIN	EXISTING		G17 & G23						
EF-21	GREENHECK	LD60-D		G10						EXISTING
EF-22	GREENHECK	G60	ROOF	H2	100	0.12	1/60	115/1	YES	
EF-23	GREENHECK	G60	ROOF	G15	100	0.12	1/60	115/1	YES	
EF-24	GREENHECK	G60	ROOF	G5 & G6	100	0.15	1/60	115/1	YES	
EF-25	GREENHECK	G60	ROOF	G2	120	0.12	1/60	115/1	YES	
EF-26		EXISTING		G10 LAUNDRY	NO POWER					VENTILATOR
EF-27	GREENHECK	TAUB-18	ROOF	J11	3,000	0.75	1	230/1	YES	WELDING(1)(2)
EF-28		EXISTING		J2						STORAGE
EF-29		EXISTING		G25 & G22						
EF-30	GREENHECK	GB80-4	ROOF	H3	500	0.2	1/4	115/1	YES	RANGES(1)
EF-31	LABCONCO		INLINE	H1	700	0.25	1/2	115/1	NO	FUME HOOD(1)(4)
EF-32		EXISTING	INLINE	H41						VAPOR HOOD
EF-33		EXISTING	WALL	H41						DISH WASHER
EF-34		EXISTING	ROOF	G12						
KE-1	VENT-O KILN	1227		J11	500	0.4	1/15	115/1	NO	KILN EXHAUST(1)(4)

NOTE (1) PROVIDE SEPARATE SWITCH
(2) TWO SPEED MOTOR
(3) BLOWER INCLUDED IN FUME HOOD
(4) OVERHEAD COUNTER WEIGHT PULLEY MOUNT

AUXILIARY HEATER SCHEDULE

ID NO.	MANUFACTURER	DIMENSION MODEL NO.	H.W. COIL MBH	H.W. COIL GPM	H.W. COIL EWT	H.W. COIL WATER dT	AREA SERVED	REMARKS
BH-1	STERLING	C3/4-434-25-1/2B	9.6	1	180 F	20 F	G2	10 FT. LENGTH
BH-2	STERLING	C3/4-434-25-1/2B	5.5	0.5	180 F	20 F	G6	6 FT. LENGTH
BH-3	STERLING	C3/4-435-25-1/2B	5	0.5	180 F	20 F	G5	4 FT. LENGTH
BH-4	STERLING	C3/4-434-14B	23	2.5	180 F	20 F	G4	20 FT. LENGTH
BH-5	STERLING	C3/4-434-14B	23	2.5	180 F	20 F	G4	20 FT. LENGTH

CABINET UNIT HEATER SCHEDULE

ID NO.	MANUFACTURER	MODEL	MBH	ELECTRIC HP	ELECTRIC RPM	ELECTRIC VOLTS/Ph	WATER EWT	WATER dT	WATER GPM	WATER FILTER SIZE	REMARKS
UH-1	STERLING	C1140-12	70	*1/10	1050	115/1	180 F	20 F	7.5	57 3/4" x 8 11/16"	1" PLEATED FILTER
UH-2	STERLING	C1140-12	70	*1/10	1050	115/1	180 F	20 F	7.5	57 3/4" x 8 11/16"	1" PLEATED FILTER

NOTE : * TWO BLOWERS

ROOF VENTILATOR SCHEDULE

ID NO.	MANUFACTURER	TYPE	SIZE	BACKDRAFT DAMPER	REMARKS
RV-1	COOK	VI	12" x 30"	NO	
RV-2	COOK	VI	12" x 24"	NO	
RV-3	COOK	VI	18" x 48"	NO	
RV-4	COOK	VI	24" x 48"	NO	
RV-5	COOK	VR	18" x 30"	YES	

DIFFUSER, GRILL & LOUVER SCHEDULE

ID NO.	NECK SIZE	NEW FACE	MANUFACTURER	MODEL NO.	FRAME	REMARKS
1	SEE PLAN		TITUS	300RS	TYPE A	
2	SEE PLAN		TITUS	300RL	TYPE A	
3	14" x 14"	16" x 16"	TITUS	PAR	TYPE 1	
4	SEE PLAN	24" x 24"	TITUS	PAS	TYPE 3	
5	SEE PLAN	24" x 24"	TITUS	PAS	TYPE 1	
6	22" x 22"	24" x 24"	TITUS	PAR	TYPE 3	
7	10" x 10"	12" x 12"	TITUS	PAR	TYPE 3	
8	10" x 10"	12" x 12"	TITUS	PAR	TYPE 1	
9	22" x 22"	24" x 24"	TITUS	PAR	TYPE 1	
10	27" x 27"	-	TITUS	AG-35-AA	TYPE 1	
11	48" x 30"	-	EXISTING	-	-	
12	54" x 24"	-	TITUS	300RS	TYPE A	
13	36" x 12"	-	TITUS	300RS	TYPE A	
14	SEE PLAN	12" x 12"	TITUS	PAS	TYPE 1	
15	15" x 15"	24" x 24"	TITUS	PMC	TYPE 1	
16	30" x 18"	-	TITUS	300RL	TYPE A	
17	48" x 6"	-	TITUS	300RL	TYPE A	
18	72" x 14"	-	TITUS	272RS	TYPE 1	
19	72 x 12"	-	TITUS	56FS	TYPE 1	
20						

CSC ARCHITECTS
601 MAIN, SUITE 400
VANCOUVER, WA 98660
(206) 694-3528 FAX 694-3841
1106 DOUGLAS, SUITE G
LONGVIEW, WA 98632
(206) 425-3030 FAX 425-6768

THIS DOCUMENT, AND THE IDEAS AND DESIGNS, INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE IS THE PROPERTY OF CROOK, SHAW, COLLINS ARCHITECTS AND SHALL NOT BE USED IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CROOK, SHAW, COLLINS ARCHITECTS.

DRAWN BY:

DATE: 4 - 6 - 93
REVISED:

PE ELL SCHOOL MODERNIZATION
PE ELL SCHOOL DISTRICT

SEAL:

HENRY F. ROMERO
STATE OF WASHINGTON
21166
REGISTERED PROFESSIONAL ENGINEER

EXPIRES 7/87/93

SHEET NUMBER: M3.5

JOB NUMBER: 9231

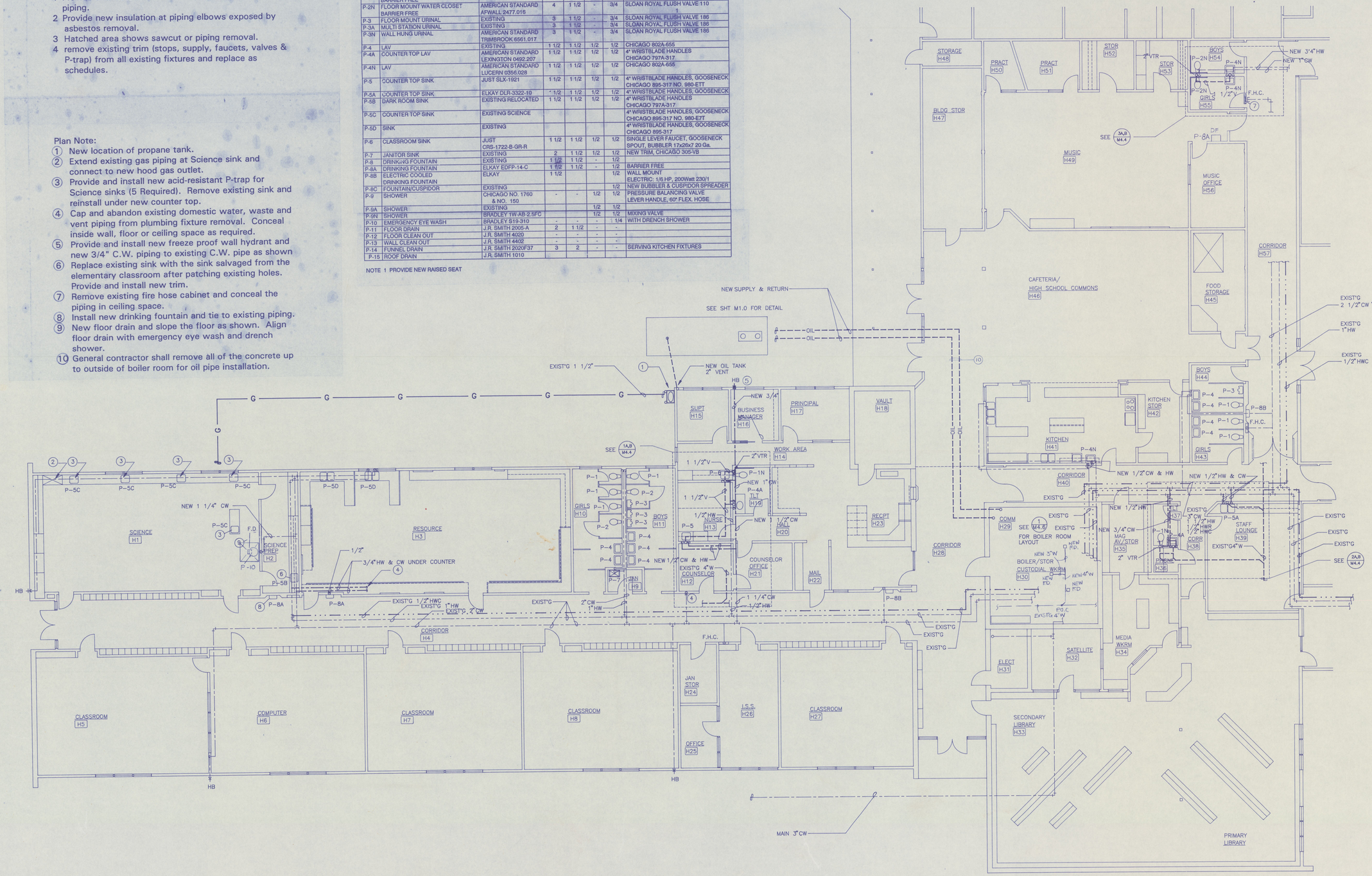
General Note for M4.1 to M4.3
1. Provide and install insulation for condensate return piping.
2. Provide new insulation at piping elbows exposed by asbestos removal.
3. Hatched area shows sawcut or piping removal.
4. remove existing trim (stops, supply, faucets, valves & P-trap) from all existing fixtures and replace as schedules.

Plan Note:
1. New location of propane tank.
2. Extend existing gas piping at Science sink and connect to new hood gas outlet.
3. Provide and install new acid-resistant P-trap for Science sinks (5 Required). Remove existing sink and reinstall under new counter top.
4. Cap and abandon existing domestic water, waste and vent piping from plumbing fixture removal. Conceal inside wall, floor or ceiling space as required.
5. Provide and install new freeze proof wall hydrant and new 3/4" C.W. piping to existing C.W. pipe as shown
6. Replace existing sink with the sink salvaged from the elementary classroom after patching existing holes. Provide and install new trim.
7. Remove existing fire hose cabinet and conceal the piping in ceiling space.
8. Install new drinking fountain and tie to existing piping.
9. New floor drain and slope the floor as shown. Align floor drain with emergency eye wash and drench shower.
10. General contractor shall remove all of the concrete up to outside of boiler room for oil pipe installation.

PLUMBING SCHEDULE

NAME	TYPE	MFG/MODEL	CONNECTIONS W	V	HW	CW	REMARKS
P-1	FLOOR MOUNT WATER CLOSET WATER SAVER	EXISTING	4	1 1/2	-	3/4	SLOAN ROYAL FLUSH VALVE 110
P-1N	WALL HUNG WATER CLOSET WATER SAVER	AMERICAN STANDARD AFWALL 2477.016	4	1 1/2	-	3/4	SLOAN ROYAL FLUSH VALVE 110
P-2	WALL HUNG WATER CLOSET BARRIER FREE	EXISTING	4	1 1/2	-	3/4	SLOAN ROYAL FLUSH VALVE 110
P-2N	FLOOR MOUNT WATER CLOSET BARRIER FREE	AMERICAN STANDARD AFWALL 2477.016	4	1 1/2	-	3/4	SLOAN ROYAL FLUSH VALVE 110 1
P-3	FLOOR MOUNT URINAL	EXISTING	3	1 1/2	-	3/4	SLOAN ROYAL FLUSH VALVE 186
P-3A	MULTI STATION URINAL	EXISTING	3	1 1/2	-	3/4	SLOAN ROYAL FLUSH VALVE 186
P-3N	WALL HUNG URINAL	AMERICAN STANDARD TRIMBROOK 6561.017	3	1 1/2	-	3/4	SLOAN ROYAL FLUSH VALVE 186
P-4	LAV	EXISTING	1 1/2	1 1/2	1/2	1/2	CHICAGO 802A-655
P-4A	COUNTER TOP LAV	AMERICAN STANDARD LEXINGTON 0492.207	1 1/2	1 1/2	1/2	1/2	4" WRISTBLADE HANDLES CHICAGO 797A-317
P-4N	LAV	AMERICAN STANDARD LUCERN 0356.028	1 1/2	1 1/2	1/2	1/2	CHICAGO 802A-655
P-5	COUNTER TOP SINK	JUST SLX-1921	1 1/2	1 1/2	1/2	1/2	4" WRISTBLADE HANDLES, GOOSENECK CHICAGO 895-317 NO. 980-ETT
P-5A	COUNTER TOP SINK	ELKAY DLR-3322-10	1 1/2	1 1/2	1/2	1/2	4" WRISTBLADE HANDLES, GOOSENECK
P-5B	DARK ROOM SINK	EXISTING RELOCATED	1 1/2	1 1/2	1/2	1/2	4" WRISTBLADE HANDLES CHICAGO 797A-317
P-5C	COUNTER TOP SINK	EXISTING SCIENCE					4" WRISTBLADE HANDLES, GOOSENECK CHICAGO 895-317 NO. 980-E7T
P-5D	SINK	EXISTING					4" WRISTBLADE HANDLES, GOOSENECK CHICAGO 895-317
P-6	CLASSROOM SINK	JUST CRS-1722-B-GR-R	1 1/2	1 1/2	1/2	1/2	SINGLE LEVER FAUCET, GOOSENECK SPOUT, BUBBLER 17x26x7 20 Ga.
P-7	JANITOR SINK	EXISTING	2	1 1/2	1/2	1/2	NEW TRIM, CHICAGO 305-VB
P-8	DRINKING FOUNTAIN	EXISTING	1 1/2	1 1/2	-	1/2	
P-8A	DRINKING FOUNTAIN	ELKAY EDFP-14-C	1 1/2	1 1/2	-	1/2	BARRIER FREE
P-8B	ELECTRIC COOLED DRINKING FOUNTAIN	ELKAY	1 1/2			1/2	WALL MOUNT ELECTRIC: 1/6 HP, 200Watt 230/1
P-8C	FOUNTAIN/CUSPIDOR	EXISTING				1/2	NEW BUBBLER & CUSPIDOR SPREADER
P-9	SHOWER	CHICAGO NO. 1760 & NO. 150	-	-	1/2	1/2	PRESSURE BALANCING VALVE LEVER HANDLE, 60" FLEX. HOSE
P-9A	SHOWER	EXISTING			1/2	1/2	
P-9N	SHOWER	BRADLEY 1W-AB-2.5FC			1/2	1/2	MIXING VALVE
P-10	EMERGENCY EYE WASH	BRADLEY S19-310	-	-	-	1 1/4	WITH DRENCH SHOWER
P-11	FLOOR DRAIN	J.R. SMITH 2005-A	2	1 1/2	-	-	
P-12	FLOOR CLEAN OUT	J.R. SMITH 4020	-	-	-	-	
P-13	WALL CLEAN OUT	J.R. SMITH 4402	-	-	-	-	
P-14	FUNNEL DRAIN	J.R. SMITH 2020F37	3	2	-	-	SERVING KITCHEN FIXTURES
P-15	ROOF DRAIN	J.R. SMITH 1010					

NOTE 1 PROVIDE NEW RAISED SEAT



1 M4.1 PLUMBING PLAN–HIGH SCOOL/MEDIA/CAFETERIA
1/8" = 1'-0"

NORTH

CSC ARCHITECTS
601 MAIN, SUITE 400
VANCOUVER, WA 98660
(206) 694-5529 FAX 694-5641
1108 DOUGLAS, SUITE G
LONGVIEW, WA 98632
(206) 425-3030 FAX 425-6768

THIS DOCUMENT, AND THE IDEAS AND DESIGNS, INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CROOK, SHAW, COLLINS ARCHITECTS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CROOK, SHAW, COLLINS ARCHITECTS.

DRAWN BY:

DATE: 4 - 6 - 93
REVISED:

PLUMBING PLAN – HIGH SCHOOL/MEDIA/CAFETERIA

PE ELL SCHOOL MODERNIZATION
PE ELL SCHOOL DISTRICT

SEAL:
HENRY F. ROMERO
1208 WASHINGTON
21166
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 7/27/93

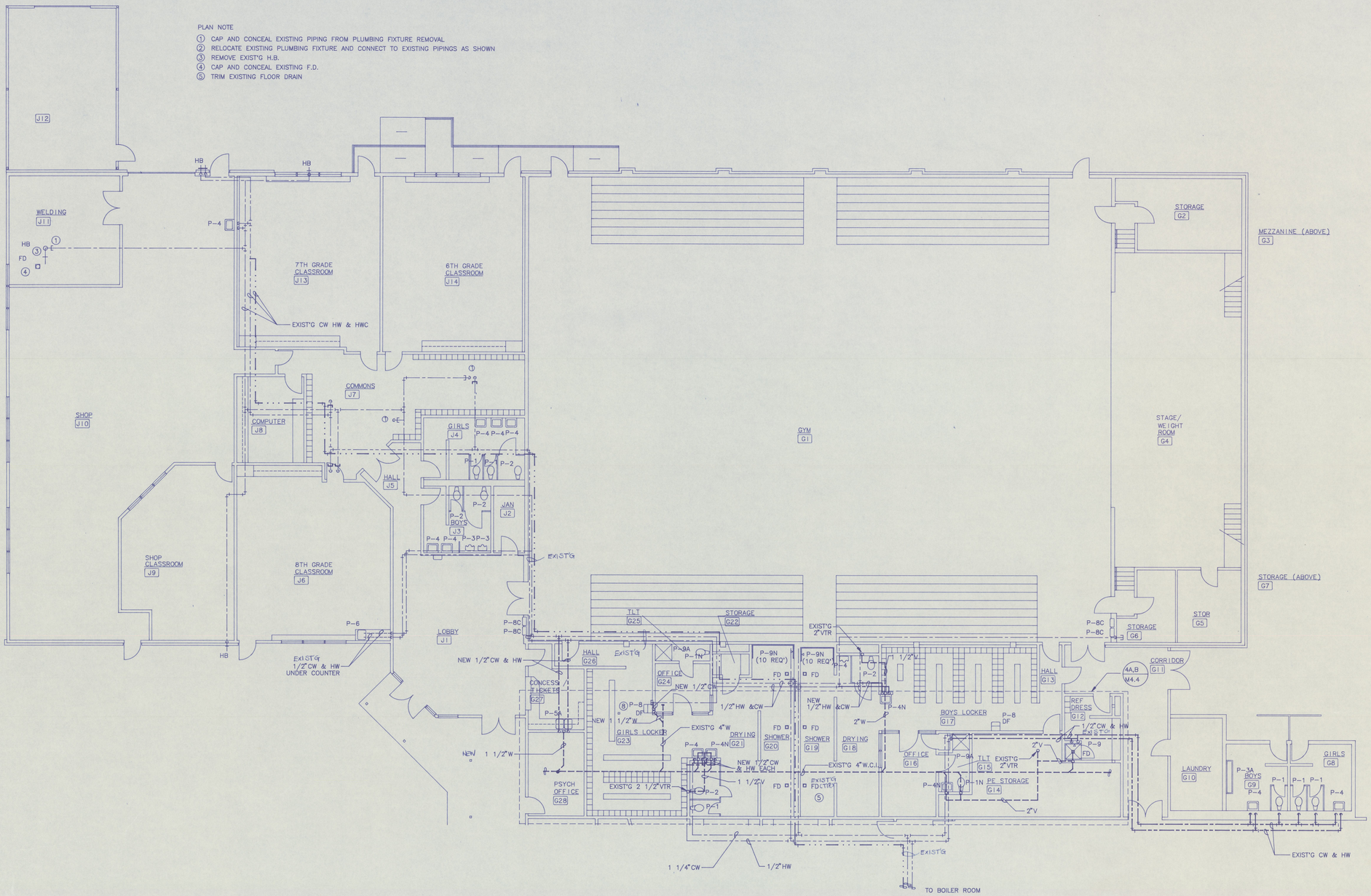
SHEET NUMBER: M4.1

JOB NUMBER: 9231

503
892-1188

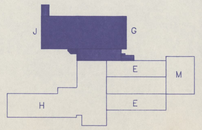
PLAN NOTE

1. CAP AND CONCEAL EXISTING PIPING FROM PLUMBING FIXTURE REMOVAL
2. RELOCATE EXISTING PLUMBING FIXTURE AND CONNECT TO EXISTING PIPINGS AS SHOWN
3. REMOVE EXIST'G H.B.
4. CAP AND CONCEAL EXISTING F.D.
5. TRIM EXISTING FLOOR DRAIN



1 M4.3 PLUMBING PLAN–JR. HIGH/GYM
1/8" = 1'-0"

NORTH



CSC ARCHITECTS
1106 DOUGLAS, SUITE G
LONGVIEW, WA 98632
(206) 425-3030 FAX 425-6768
601 MAIN, SUITE 400
VANCOUVER, WA 98660
(206) 694-5528 FAX 694-5641

THIS DOCUMENT, AND THE IDEAS AND DESIGNS, INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CROOK, SHAW, COLLINS ARCHITECTS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CROOK, SHAW, COLLINS ARCHITECTS.

DRAWN BY:

DATE: 4 - 6 - 93

REVISED:

PLUMBING PLAN –JR. HIGH /GYM

PE ELL SCHOOL MODERNIZATION
PE ELL SCHOOL DISTRICT

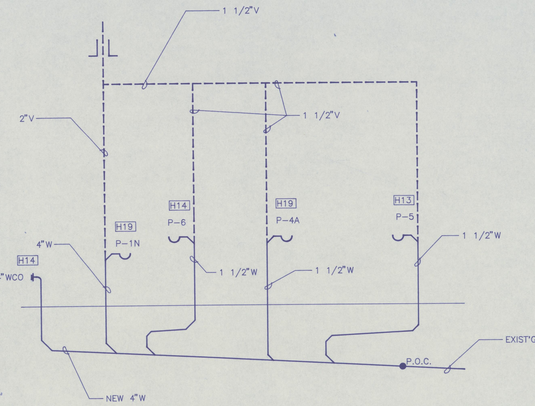
SEAL:

HENRY F. ROMER
STATE OF WASHINGTON
21166
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 7/27/93

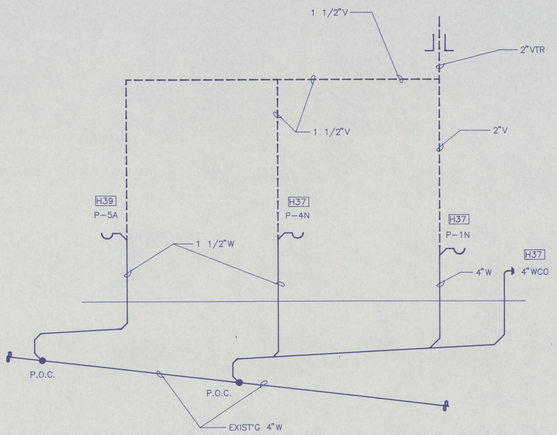
SHEET NUMBER:

M4.3

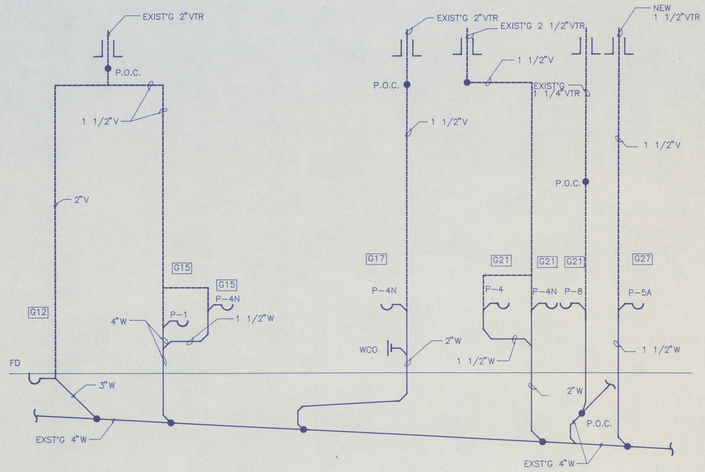
JOB NUMBER: 9231



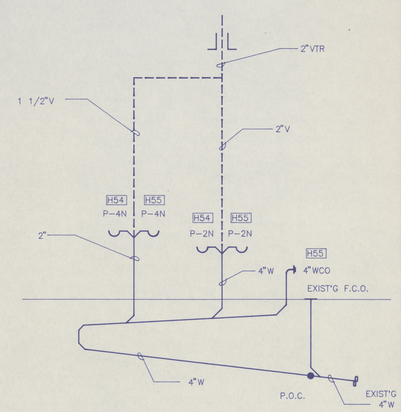
1A M4.4 RISER DIAGRAM – ADMIN. AREA
NO SCALE



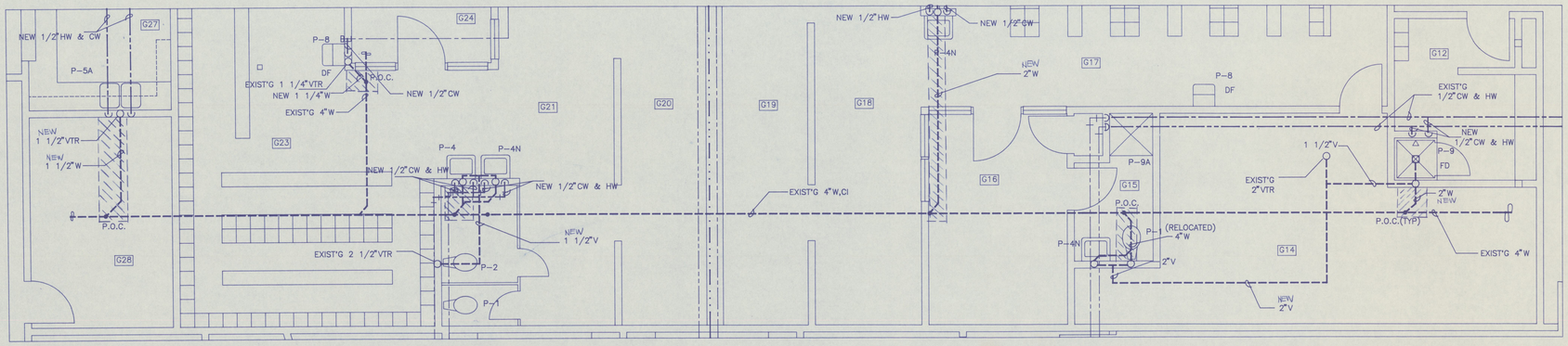
2A M4.4 RISER DIAGRAM– STUFF LOUNGE AREA
NO SCALE



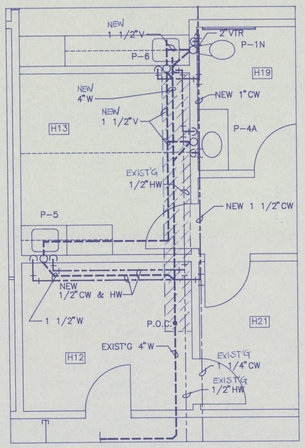
4A M4.4 RISER DIAGRAM – LOCKER AREA
NO SCALE



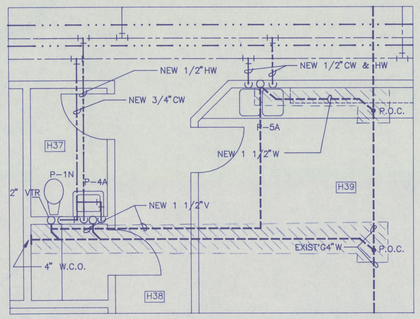
3A M4.4 RISER DIAGRAM–BOYS/GIRLS TOILETS
NO SCALE



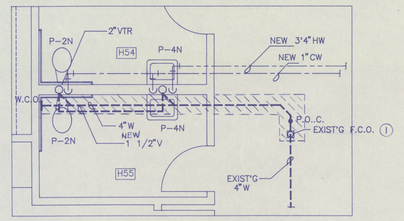
4B M4.4 PARTIAL PLUMBING PLAN – LOCKER AREA
1/4"=1'–0"



1B M4.4 PARTIAL PLUMBING PLAN – ADMIN. AREA
1/4"=1'–0"



2B M4.4 PARTIAL PLUMBING PLAN – STUFF LOUNGE
1/4"=1'–0"



3B M4.4 PARTIAL PLUMBING PLAN – BOYS/GIRLS TOILETS
1/4"=1'–0"

Note
(1) Raise the existing floor drain at new floor level.

CSC ARCHITECTS
601 MAIN, SUITE 400
VANCOUVER, WA 98660
(206) 694-5304 FAX 694-5441
1106 DOUGLAS, SUITE G
WENATCHEE, WA 98801
(206) 425-3030 FAX 425-6768

THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CROOK, SHAW, COLLINS ARCHITECTS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CROOK, SHAW, COLLINS ARCHITECTS.

DRAWN BY:

DATE: 4 - 6 - 93
REVISED:

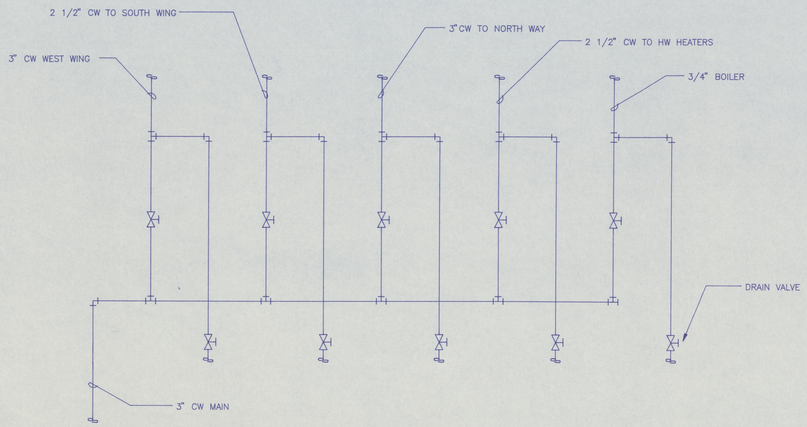
PARTIAL PLUMBING & RISER DIAGRAM PLAN

PE ELL SCHOOL MODERNIZATION
PE ELL SCHOOL DISTRICT

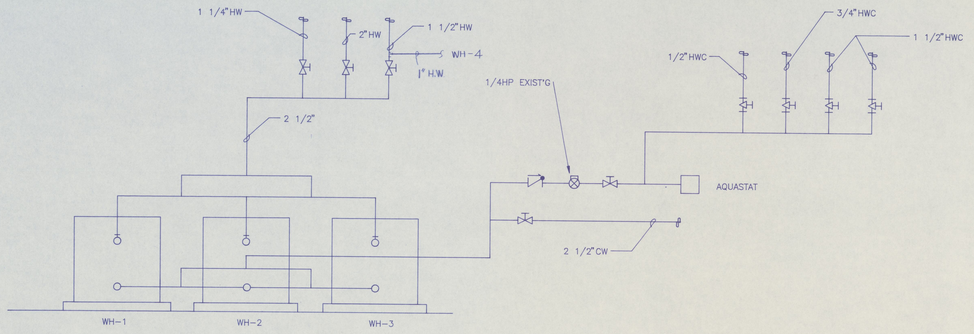
SEAL:
HENRY F. ROMERO
STATE OF WASHINGTON
21136
REGISTERED
PROFESSIONAL ENGINEER
EXPIRES 7/27/93

SHEET NUMBER:
M4.4

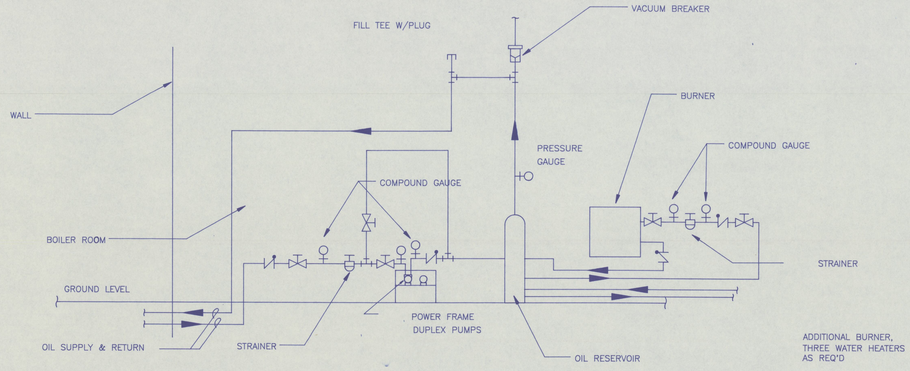
JOB NUMBER:
9231



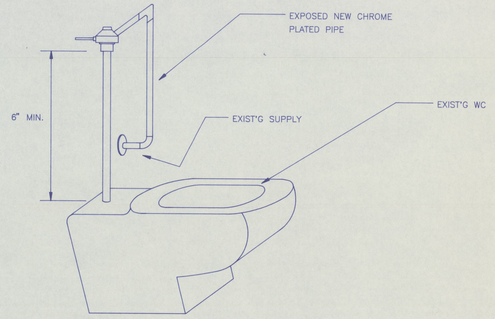
1 M4.5 NEW COLD WATER HEADER DETAIL
NO SCALE



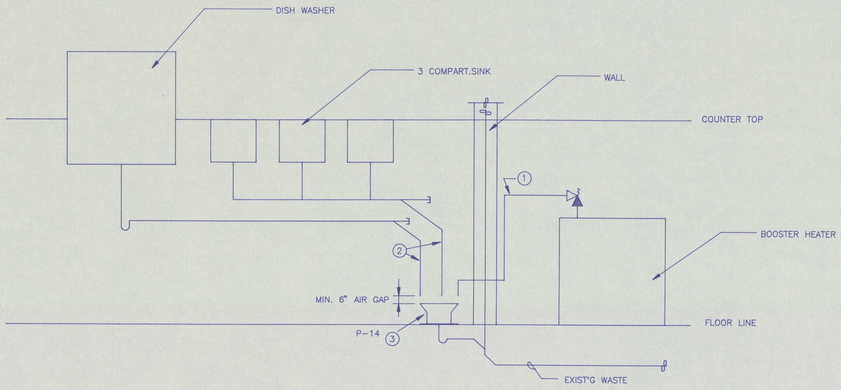
2 M4.5 HOT WATER PIPING DETAIL
NO SCALE



3 M4.5 OIL PIPING DETAIL
NO SCALE



4 M4.5 ELEVATED FLUSH VALVE INSTALLATION DETAIL
NO SCALE



5 M4.5 INDERECT WASTE PIPING – KITCHEN
NO SCALE

NOTE
1. REROUTE FULL PIPE SIZE TO NEW FUNNEL FLOOR DRAIN AFTER PROVIDING AIR GAP
2. DISCONNECT FROM EXISTING WASTE AND REROUTE AS SHOWN
3. PROVIDE AND INSTALL NEW FUNNEL FLOOR DRAIN AND TIE TO EXIST'G WASTE

CIRCULATING PUMP SCHEDULE

ID NO.	MANUFACTURER	MODEL	SIZE SUC.	SIZE DISCH.	GPM	HEAD (FT.)	MOTOR H.P.	MOTOR RPM	ELECTRIC VOLTS/PH	REMARKS
BCP-1	ARMSTRONG	1060 3D	3	3	120	15	1	1,800	230/1	BOILER CIRC.
BCP-2	ARMSTRONG	1060 3D	3	3	120	15	1	1,800	230/1	BOILER CIRC.
ZCP-1	ARMSTRONG	1050 1 1/2B	1 1/2	1 1/2	50	15	1/3	1,800	115/1	HIGH SCHOOL
ZCP-2	ARMSTRONG	1050 2B	2	2	85	22	3/4	1,800	230/1	ELEMENTARY
ZCP-3	ARMSTRONG	1060 2D	2	2	85	27	1	1,800	230/1	GYM/JR. HIGH
DCP-1	POWER FLAME						1/3		115/1	OIL TRANSFER 1
HWC-1	EXISTING						1/4		115/1	H.W. CIRC.

NOTE: 1 DUPLEX PUMP

WATER HEATER SCHEDULE

ID NO.	MANUFACTURER	MODEL	GAL. CAP.	MBH	MOTOR HP	MOTOR V/Ph.	STACK	CONNECT OIL	CONNECT WATER	REMARKS
WH-1	LOCHINVAR	BRE 75-B	75	138.5	1/4	120/1	6"	1/2"	1"	
WH-2	LOCHINVAR	BRE 75-B	75	138.5	1/4	120/1	6"	1/2"	1"	
WH-3	LOCHINVAR	BRE 75-B	75	138.5	1/4	120/1	6"	1/2"	1"	
WH-4	EXISTING				12KW				1"	1

NOTE 1 EXISTING ELECTRIC HEATER SERVES DISH WASHER BOOSTER HEATER

OIL-FIRED BOILER SCHEDULE

MARK	MANUFACTURER	MODEL	PERFORMANCE HP	PERFORMANCE WATER MBH	BURNER MODEL	BURNER HP	BURNER V/Ph.	TEMP.(F) EWT	TEMP.(F) LWT	VENT	CONNECTIONS WATER IN	CONNECTIONS WATER OUT	CONNECTIONS OIL	NOTES
B-1	BURNHAM	E-60	62.8	1628	O2-OB	1	230/1	150	180	11 3/8"	4"	4"	1/2"	
B-2	BURNHAM	E-60	62.8	1628	O2-OB	1	230/1	150	180	11 3/8"	4"	4"	1/2"	

CSC ARCHITECTS
1106 DOUGLAS, SUITE G
LONGVIEW, WA 98632
(206) 425-3030 FAX 425-6768
601 MAIN, SUITE 400
VANCOUVER, WA 98660
(206) 694-3588 FAX 694-3641

THIS DOCUMENT AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CROOK, SHAW, COLLINS ARCHITECTS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CROOK, SHAW, COLLINS ARCHITECTS.

DRAWN BY:

DATE: 4 - 6 - 93
REVISED:

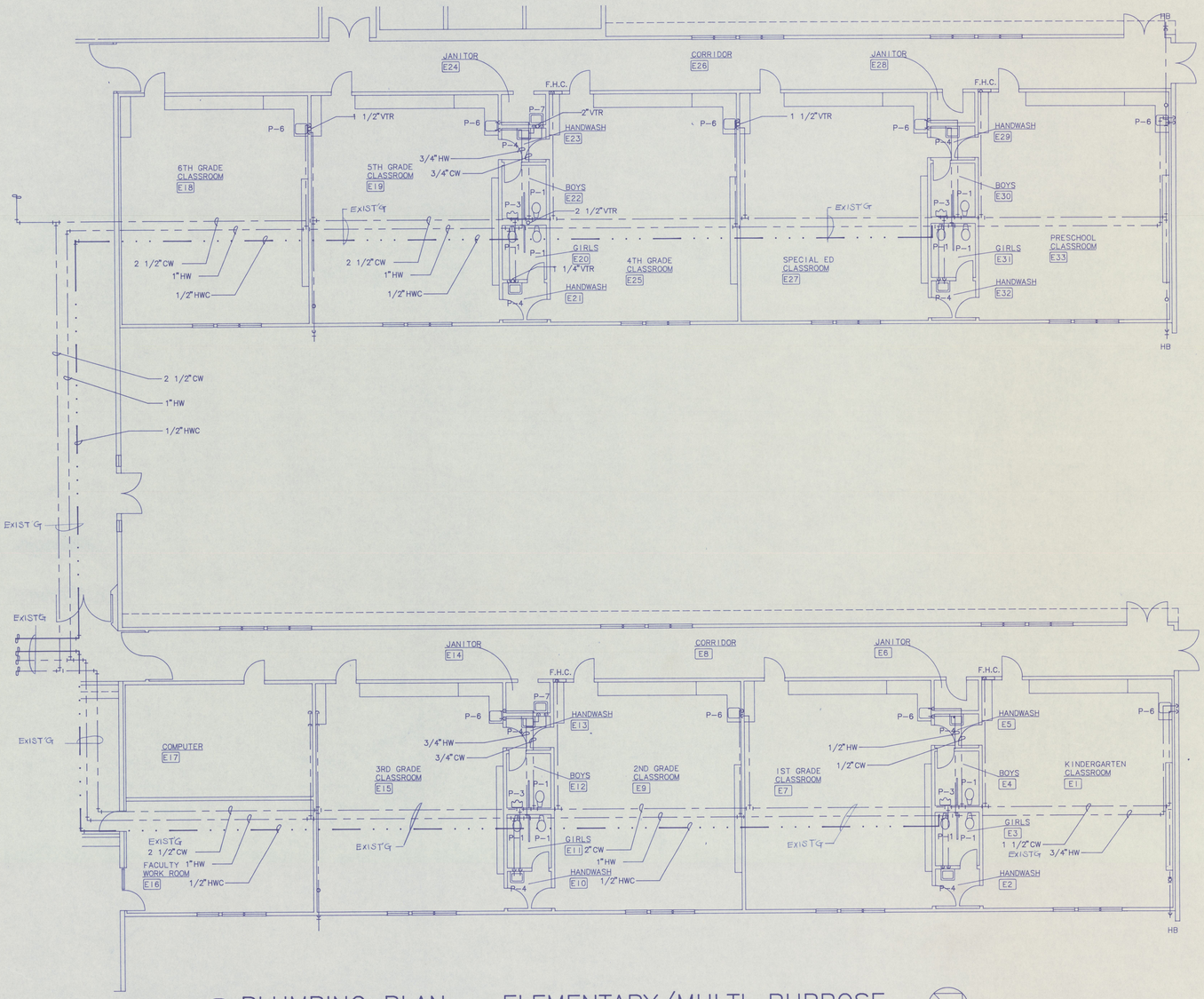
PIPING DETAIL AND SCHEDULE PLAN

PE ELL SCHOOL MODERNIZATION
PE ELL SCHOOL DISTRICT

SEAL:
HENRY F. ROMER
STATE OF WASHINGTON
21168
REGISTERED
PROFESSIONAL ENGINEER
EXPIRES 7/27/93

SHEET NUMBER: M4.5

JOB NUMBER: 9231

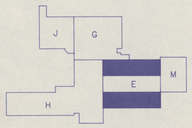


1 M4.2 PLUMBING PLAN – ELEMENTARY/MULTI-PURPOSE

1/8" = 1'-0"

NORTH

PLAN NOTE ① EXTEND EXIST'G PLUMBING VENT TO NEW ROOF LEVEL



CSC ARCHITECTS

1106 DOUGLAS, SUITE G
LONGVIEW, WA 98632
(206) 425-3030 FAX 425-6768

601 MAIN, SUITE 400
VANCOUVER, WA 98660
(206) 694-5528 FAX 694-5641

THIS DOCUMENT, AND THE IDEAS AND DESIGNS, INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CROOK, SHAW, COLLINS ARCHITECTS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CROOK, SHAW, COLLINS ARCHITECTS.

DRAWN BY:

DATE: 4-6-93

REVISED:

PLUMBING PLAN – ELEMENTARY\MULTI-PURPOSE

PE ELL SCHOOL MODERNIZATION
PE ELL SCHOOL DISTRICT

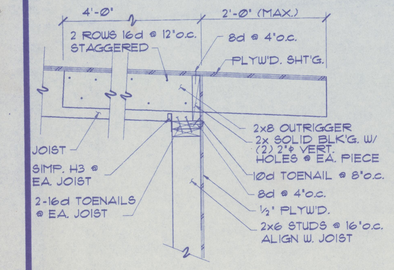
SEAL:

HENRY F. ROMER
STATE OF WASHINGTON
21166
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 7/27/93

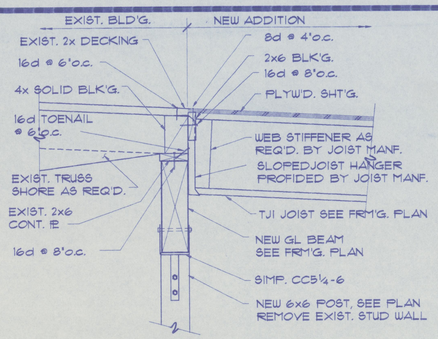
SHEET NUMBER:

M4.2

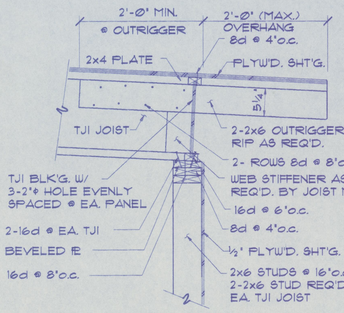
JOB NUMBER: 9231



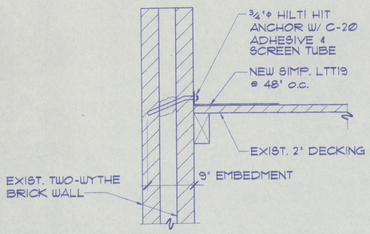
1 S1.3 **SECTON**
1"=1'-Ø"



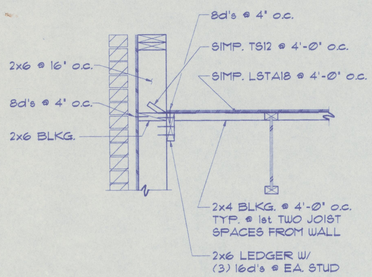
2 S1.3 **SECTON**
1"=1'-Ø"



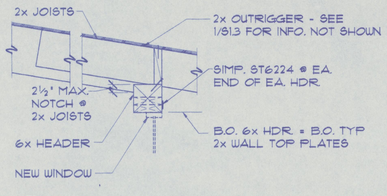
3 S1.3 **SECTON**
1"=1'-Ø"



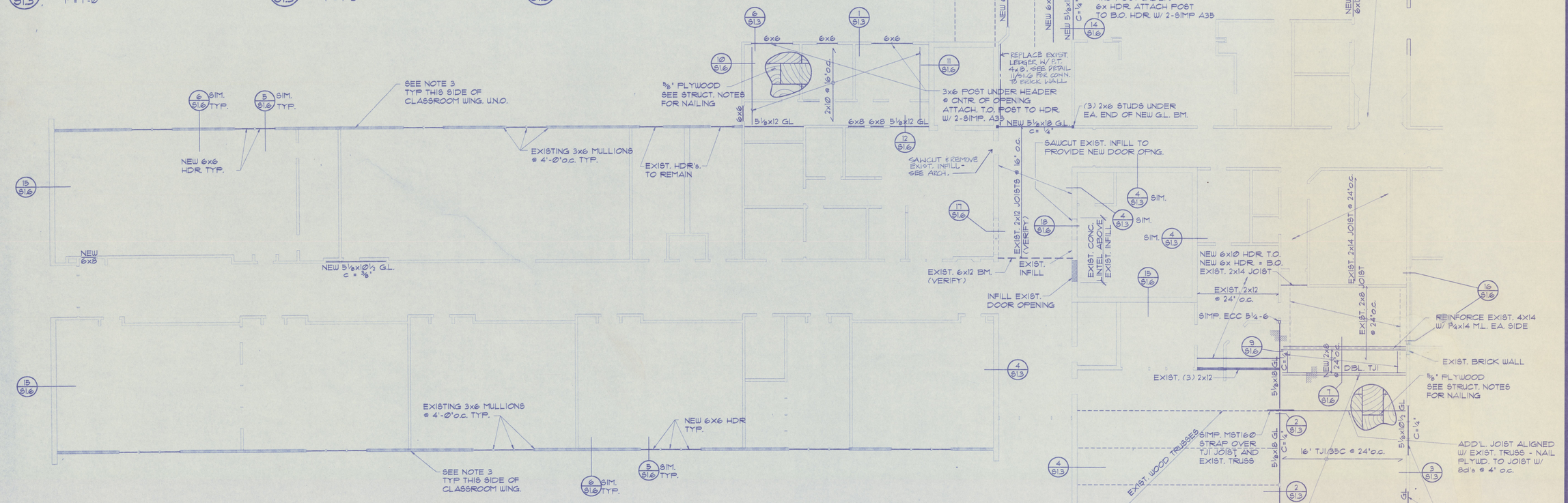
4 S1.3 **SECTION**
1" = 1'-Ø"



5 S1.3 **SECTION**
1" = 1'-Ø"



6 S1.3 **SECTION**
1" = 1'-Ø"



NOTES:

1. USE 1-2x6 STUDS UNDER EA. END OF 6x HEADERS TYP. U.N.O.
   USE 2-2x6 STUDS UNDER EA. END OF GL BM. TYP. U.N.O.
2. SAWCUTTING OF EXIST. MASONRY WALLS:
   DO NOT OVERCUT @ CORNERS
3. SHEAR WALL:
   ADD NEW ½" PLYW'D. OVER NEW 2x4 FURRING OVER EXIST. WALL.
4. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS & NOTIFY STRUCTURAL ENGINEER OF ALL DESCREPANCIES.
5. USE DEFLECTION CHANNELS @ T.O. ALL WINDOWS TO ACCOMODATE ½" VERTICAL LIVE LOAD DEFLECTION

A S2 **ROOF FRAMING PLAN - MEDIA/CAFETERIA**
⅛"=1'-Ø"

NORTH

CSC ARCHITECTS
601 MAIN, SUITE 400
VANCOUVER, WA 98660
(206) 694-3526 FAX 694-3641
1106 DOUGLAS, SUITE G
LONGVIEW, WA 98632
(206) 425-3030 FAX 425-8788

THIS DOCUMENT, AND THE IDEAS AND DESIGNS, INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CSC/SHAW, COLLINS ARCHITECTS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CSC/SHAW, COLLINS ARCHITECTS.

DRAWN BY:

DATE: 4-6-93
REVISED:

AREA H: ROOF FRAMING PLAN & DETAILS

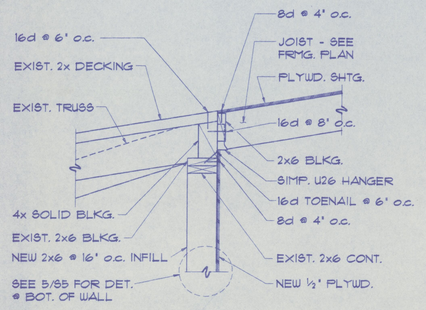
PE ELL SCHOOL MODERNIZATION
PE ELL SCHOOL DISTRICT

SEAL:
JOSEPH C. GEISSLER
STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER
EXPIRES DEC. 12, 1994

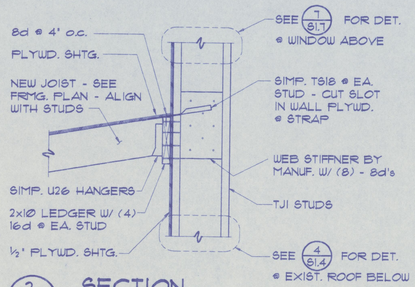
SHEET NUMBER: S1.3

JOB NUMBER: 9231

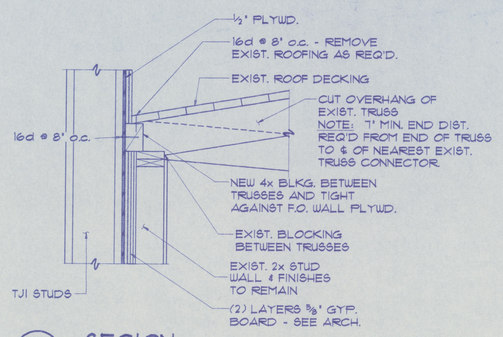
PEELL\S13, 1/8 " = 1'-0", .04/06/93 at 10:16, STATION D



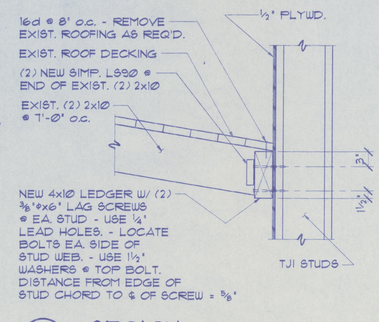
1 S1.4 **SECTION**
1" = 1'-0"



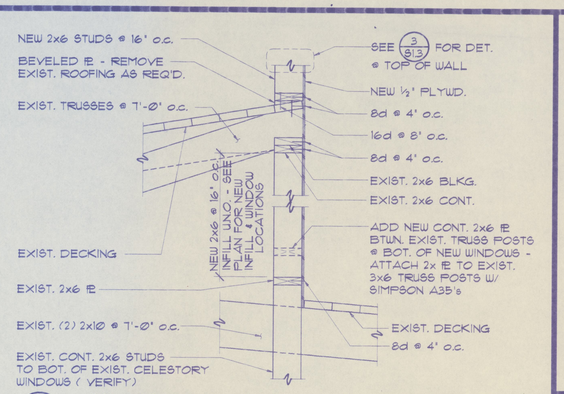
2 S1.4 **SECTION**
1" = 1'-0"



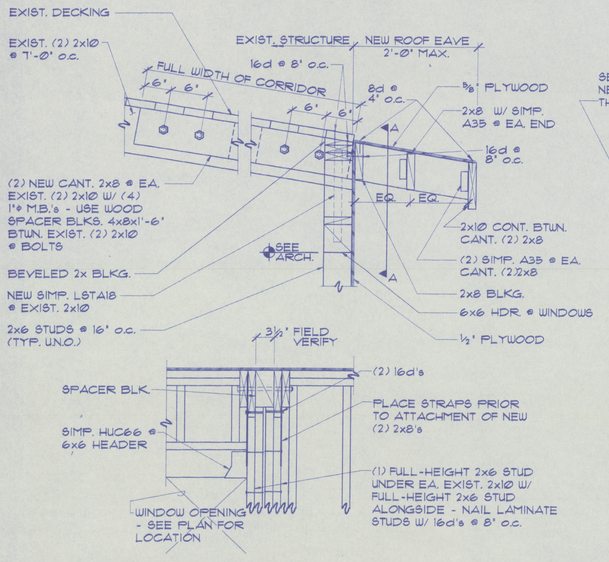
3 S1.4 **SECION**
1" = 1'-0"



4 S1.4 **SECION**
1" = 1'-0"

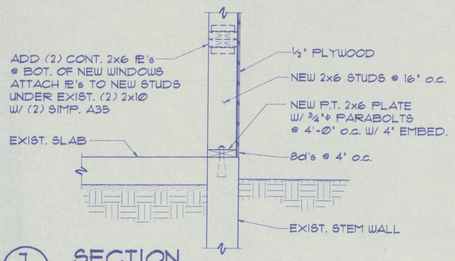


5 S1.4 **SECTION**
1" = 1'-0"

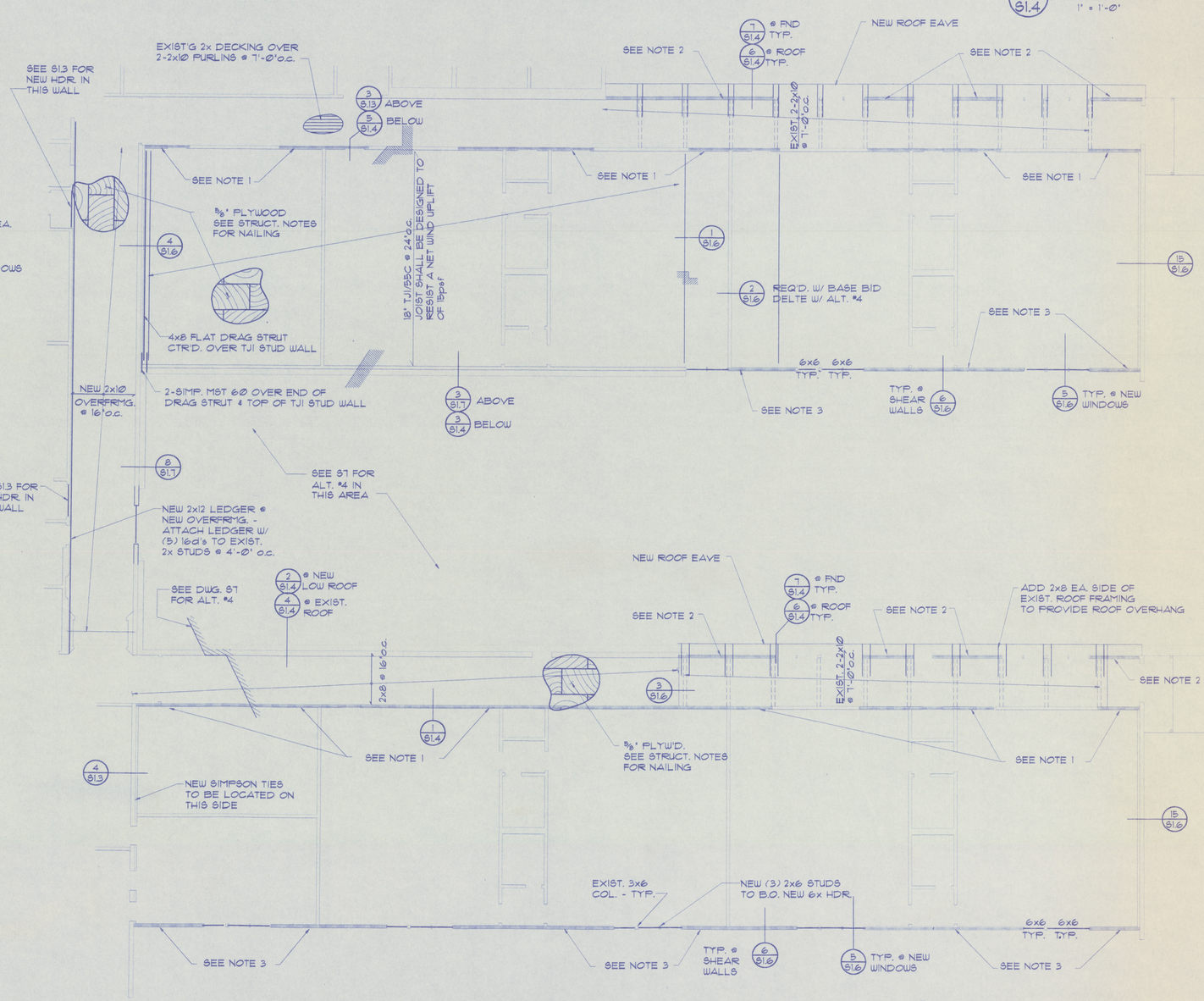


SECTION AA

6 S1.4 **SECTIONS**
1" = 1'-0"



7 S1.4 **SECTION**
1" = 1'-0"



A S1.4 **ROOF FRAMING PLAN - ELEM.**
⅛"=1'-0"

NORTH

NOTES:

1. NEW SHEAR WALL BETWEEN CLERESTORY WINDOWS. INFILL EXIST. WINDOW OPENING WITH 2x6 STUDS @ 16" o.c. WITH ½' PLY'W'D. ON EXTERIOR FACE OF STUDS.
2. NEW SHEAR WALL: REMOVE EXIST. WALL AND REPLACE WITH NEW 2x6 STUDS @ 16" o.c. PROVIDE ½' PLY'W'D. @ EXTERIOR FACE OF STUDS
3. NEW SHEAR WALL PROVIDE ½' PLY'W'D. OVER 2x FURRING OVER EXIST. WALL.
4. USE DEFLECTION CHANNELS @ T.O. ALL WINDOWS TO ADDOMODATE ½' VERTICAL LIVE LOAD DEFLECTION.
5. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS & NOTIFY STRUCTURAL ENGINEER OF ALL DISCREPANCIES.

CSC ARCHITECTS
601 MAIN, SUITE 402
VANCOUVER, WA 98660
(206) 694-5526 FAX 694-5641
1106 DOUGLAS, SUITE G
LONGVIEW, WA 98632
(206) 425-3030 FAX 425-6768

THIS DOCUMENT, AND THE IDEAS AND DESIGNS, INCORPORATED HEREIN, AS AN INSTRUMENT OF SERVICE, IS AND SHALL REMAIN THE PROPERTY OF CROOK, SHAW, COLLINS ARCHITECTS, INC. AND MAY NOT BE USED IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CROOK, SHAW, COLLINS ARCHITECTS.

DRAWN BY:

DATE: 4-6-93
REVISED:

AREA E: ROOF FRAMING PLAN AND DETAILS

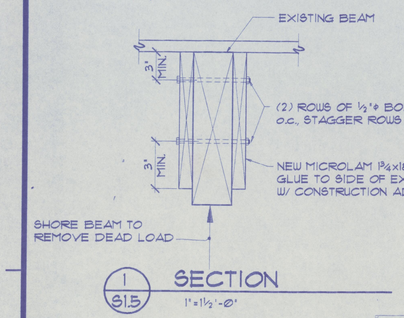
PE ELL SCHOOL MODERNIZATION
PE ELL SCHOOL DISTRICT

SEAL:
JOSEPH C. CROOK
REGISTERED
ARCHITECT
STATE OF WASHINGTON
EXPIRES DEC 12 1994

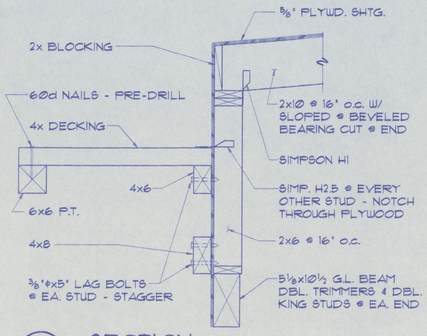
SHEET NUMBER: S1.4

JOB NUMBER: 9231

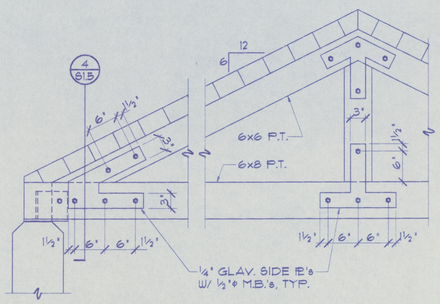
P:\EELL\S14, 1/8 " = 1'-0", 04/06/93 at 11:02; STATION D



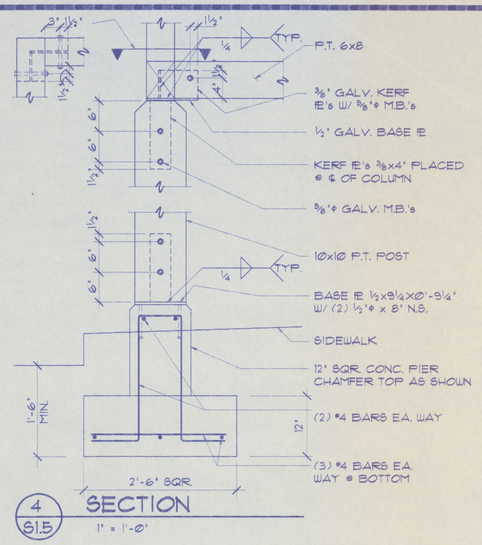
1 S1.5 SECTION
1" = 1½'-0"



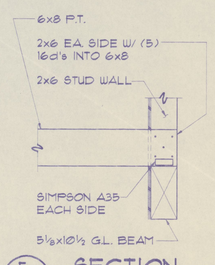
2 S1.5 SECTION
1" = 1'-0"



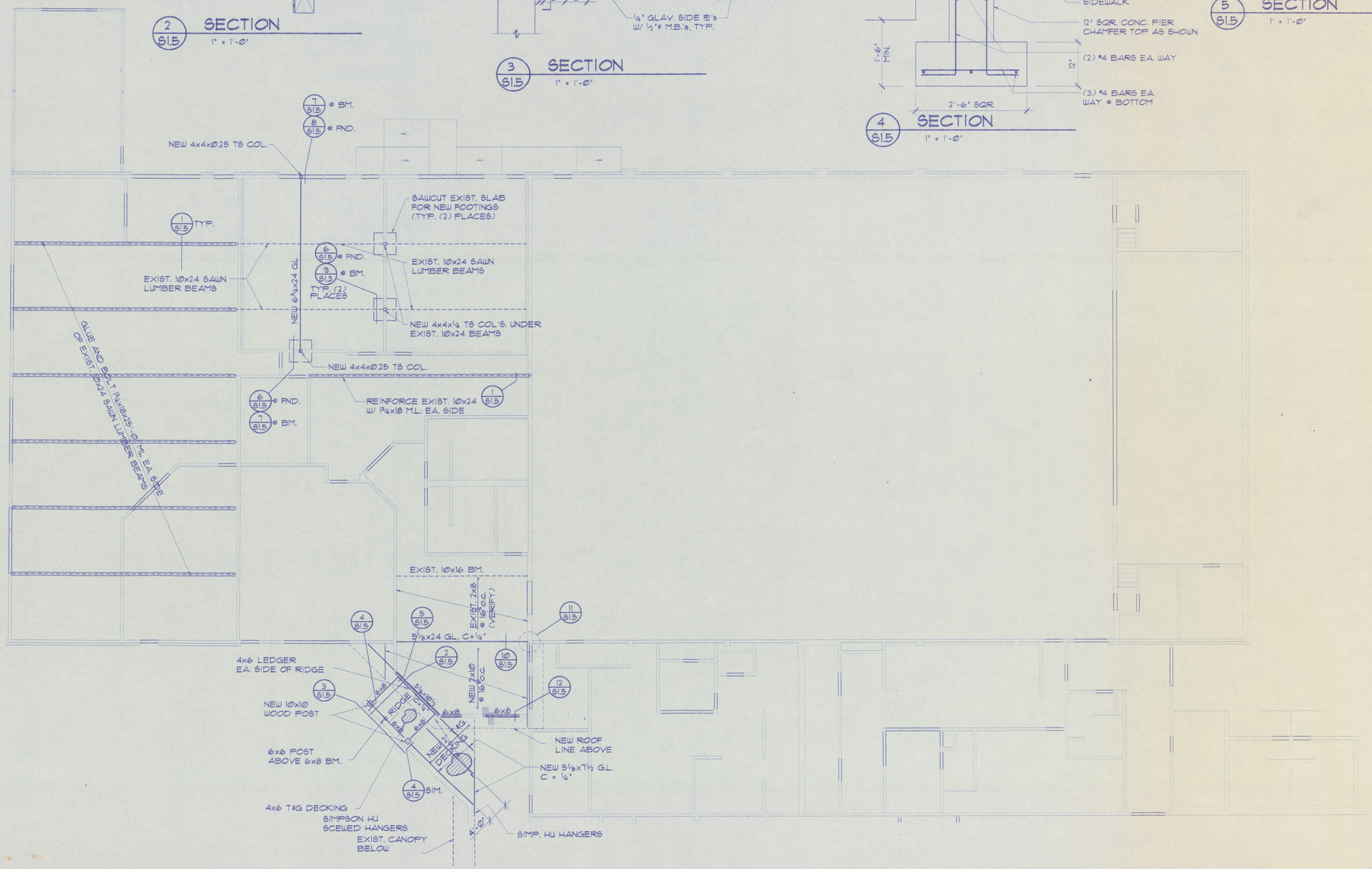
3 S1.5 SECTION
1" = 1'-0"



4 S1.5 SECTION
1" = 1'-0"

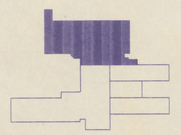


5 S1.5 SECTION
1" = 1'-0"



A S1.5 ROOF FRAMING PLAN - GYM
1"=1'-0"

NORTH



CSC ARCHITECTS
1106 DOUGLAS, SUITE C
LONGVIEW, WA 98632
(206) 425-3030 FAX 425-6788
601 MAIN, SUITE 400
VANCOUVER, WA 98660
(206) 694-3526 FAX 694-3641

THIS DOCUMENT, AND THE IDEAS AND DESIGNS, INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CSC SHAW, COLLINS ARCHITECTS AND IS NOT TO BE USED IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CSC/DR, SHAW, COLLINS ARCHITECTS

DRAWN BY:

DATE: 4-6-93

REVISED:

AREAS J & G: ROOF FRAMING PLAN & DETAILS

PE ELL SCHOOL MODERNIZATION
PE ELL SCHOOL DISTRICT

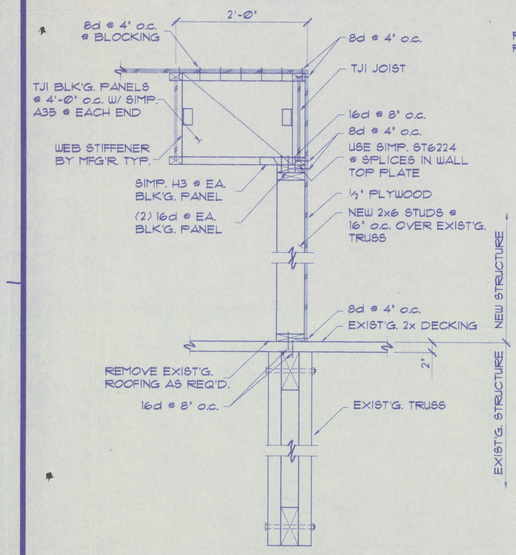
SEAL:



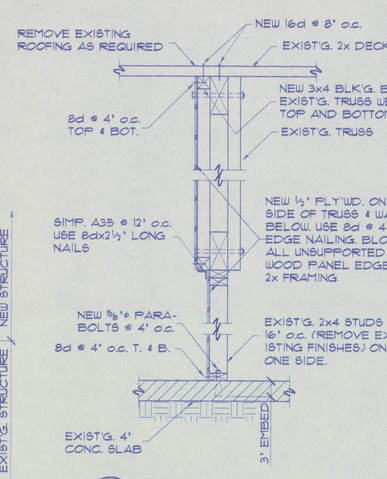
SHEET NUMBER: S1.5

JOB NUMBER: 9231

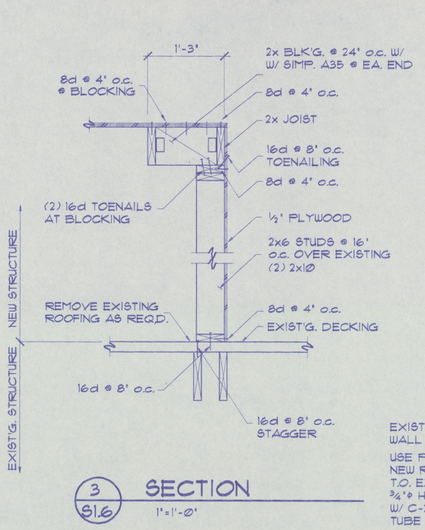
PEELL\S15, 1/8 " = 1'-0", 04/06/93 at 19:19, STATION D



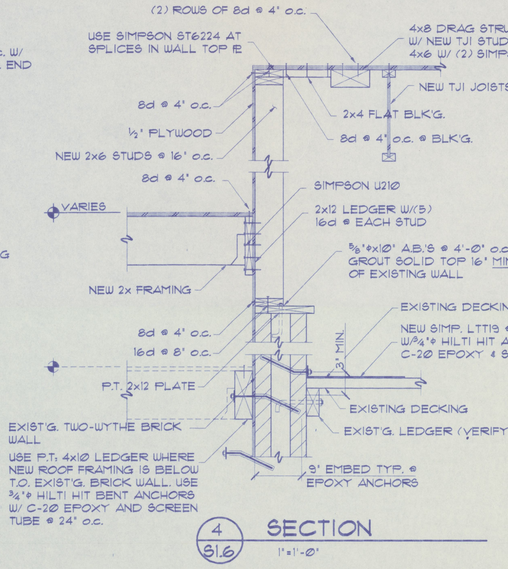
1 S1.6 SECTION
1"=1'-0"



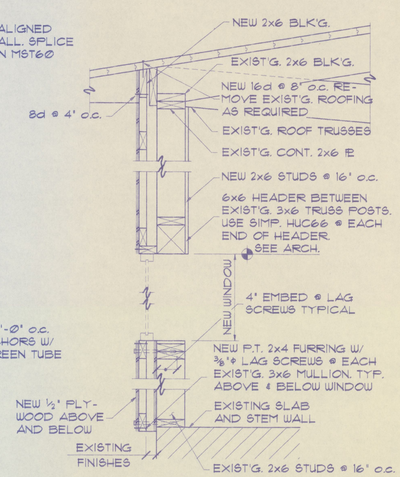
2 S1.6 SECTION
1"=1'-0"



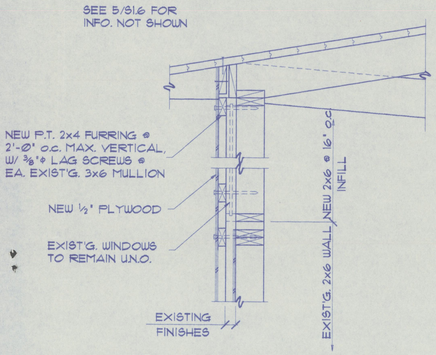
3 S1.6 SECTION
1"=1'-0"



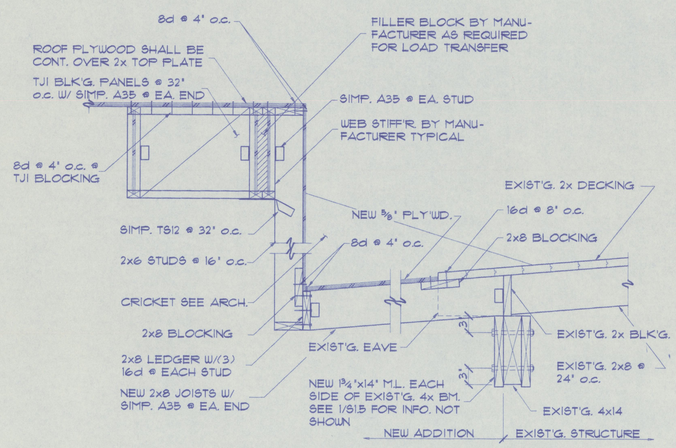
4 S1.6 SECTION
1"=1'-0"



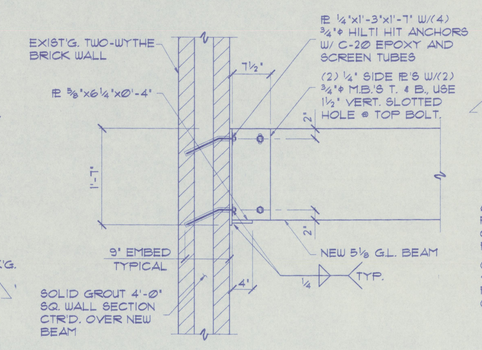
5 S1.6 SECTION
1"=1'-0"



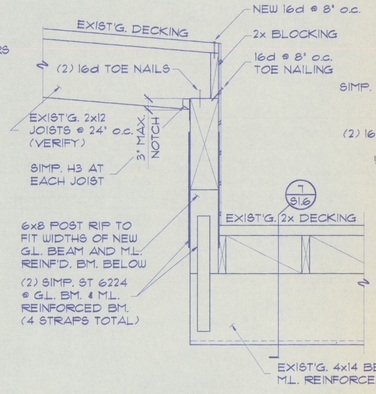
6 S1.6 SECTION
1"=1'-0"



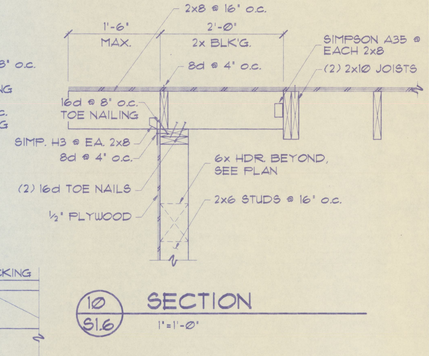
7 S1.6 SECTION
1"=1'-0"



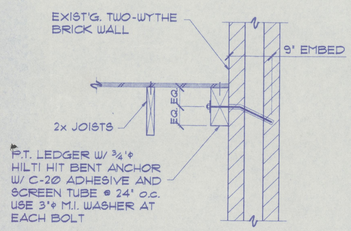
8 S1.6 SECTION
1"=1'-0"



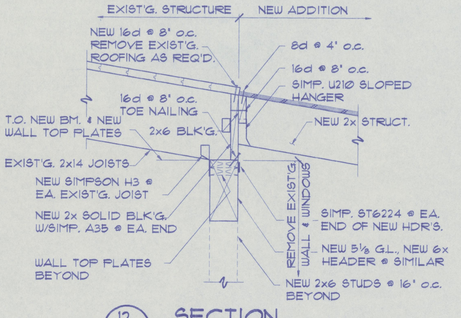
9 S1.6 SECTION
1"=1'-0"



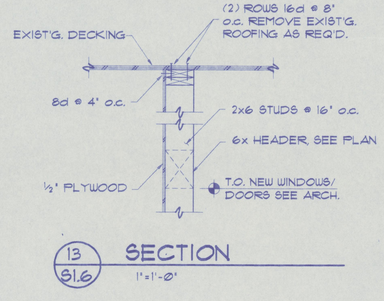
10 S1.6 SECTION
1"=1'-0"



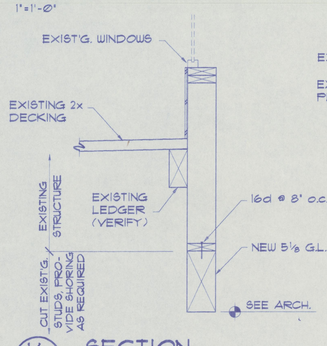
11 S1.6 SECTION
1"=1'-0"



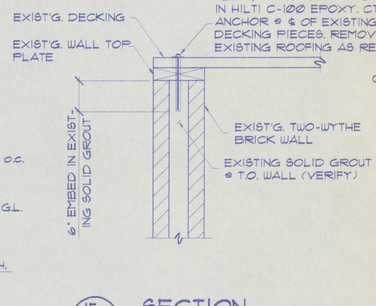
12 S1.6 SECTION
1"=1'-0"



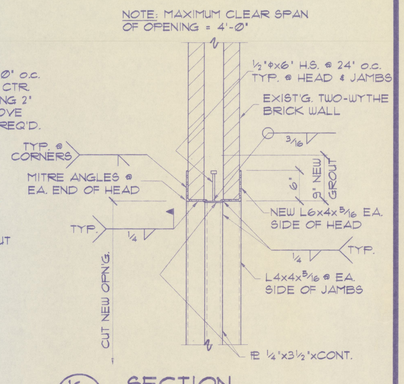
13 S1.6 SECTION
1"=1'-0"



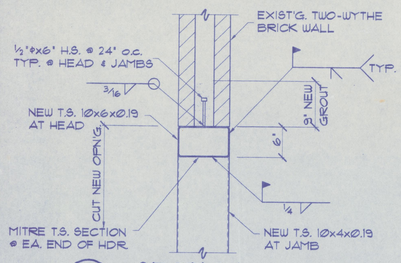
14 S1.6 SECTION
1"=1'-0"



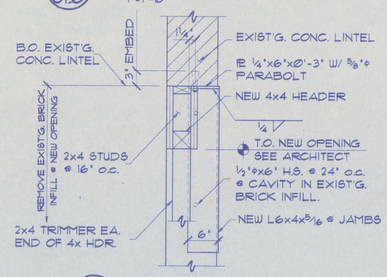
15 S1.6 SECTION
1"=1'-0"



16 S1.6 SECTION
1"=1'-0"



17 S1.6 SECTION
1"=1'-0"



18 S1.6 SECTION
1"=1'-0"

CSC ARCHITECTS
601 MAIN, SUITE 400
VANCOUVER, WA 98660
(206) 694-5526 FAX 694-5641
1106 DOUGLAS, SUITE G
ANACORTES, WA 98221
(206) 425-3030 FAX 425-6768

THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE IS THE PROPERTY OF CROOK, SHAW, COLLINS ARCHITECTS AND IS NOT TO BE USED IN WHOLE OR IN PART FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CROOK, SHAW, COLLINS ARCHITECTS.

DRAWN BY: JP

DATE: 4-6-93

REVISED:

MISCELLANEOUS DETAILS

PE ELL SCHOOL MODERNIZATION
PE ELL SCHOOL DISTRICT

SEAL:

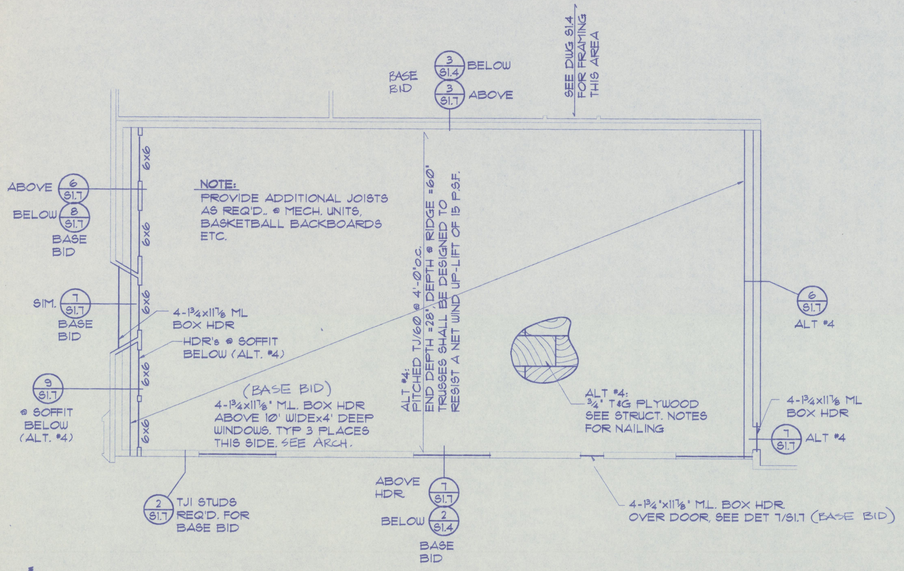
JOSEPH C. GEARLDS — STATE OF WASHINGTON — 13780 — REGISTERED PROFESSIONAL ENGINEER

EXPIRES DEC 12, 1994

SHEET NUMBER: S1.6

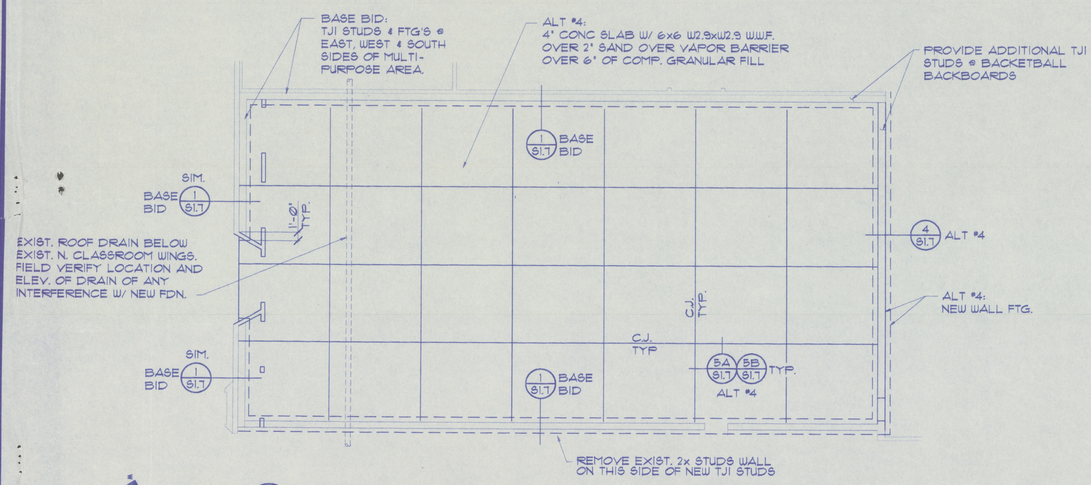
JOB NUMBER: 9231

PE_S6. 1/1 ... 04/06/93 at 16:13, STATION A



A S1.7 ROOF FRAMING PLAN - MULTI PURPOSE AREA

⅛"=1'-0"

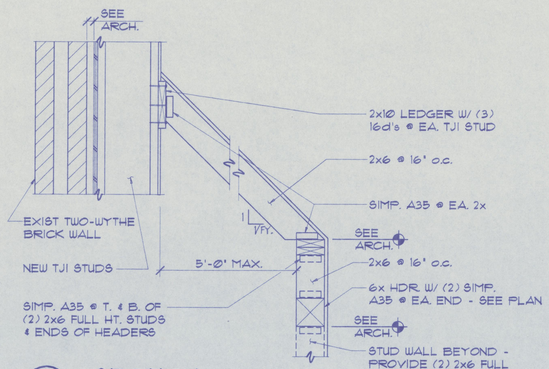


B S1.7 FOUNDATION PLAN - MULTI PURPOSE AREA

⅛"=1'-0"

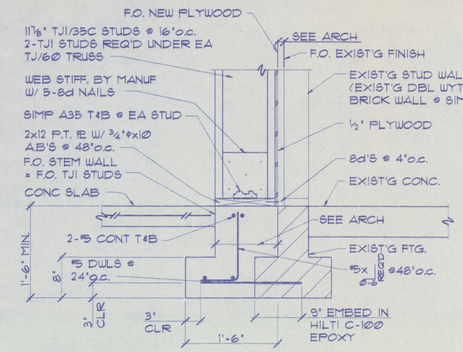
NOTES:

1. USE DEFLECTION CHANNELS @ TOP OF ALL WINDOWS TO ACCOMODATE ½" VERT. LIVE LOAD DEFLECTION.
3. CONTRACTOR SHALL VERFIY ALL EXISTING CONDITIONS. NOTIFY STRUCTURAL ENGINEER OF ANY DISCREPANCIES.
2. SUPPLIER OF BASKETBALL BACKBOARDS SHALL PROVIDE STAMPED ENGINEERING CALCULATIONS FOR ATTACHMENT OF BACKBOARDS TO STRUCTURE.



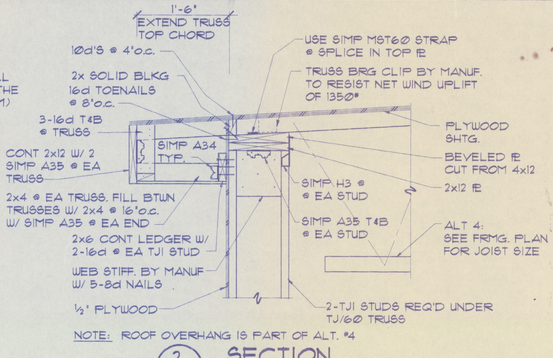
9 S1.7 SECTION

1" = 1'-0"



1 S1.7 SECTION

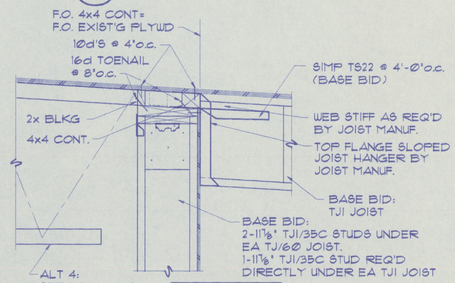
1"=1'-0"



NOTE: ROOF OVERHANG IS PART OF ALT. #4

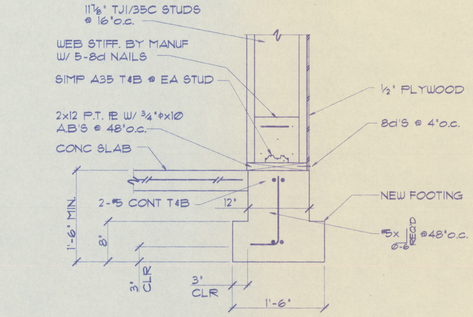
2 S1.7 SECTION

1"=1'-0"



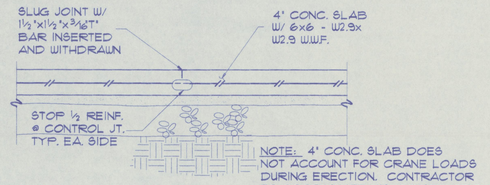
3 S1.7 SECTION

1"=1'-0"



4 S1.7 SECTION

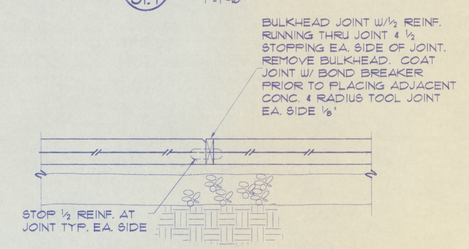
1"=1'-0"



NOTE: 4" CONC. SLAB DOES NOT ACCOUNT FOR CRANE LOADS DURING ERECTION. CONTRACTOR TO COORDINATE HIS CONSTRUCTION LOADS WITH THE SLAB DESIGNS & ADJUST IF REQ'D.

5A S1.7 CONTROL JOINT

1"=1'-0"



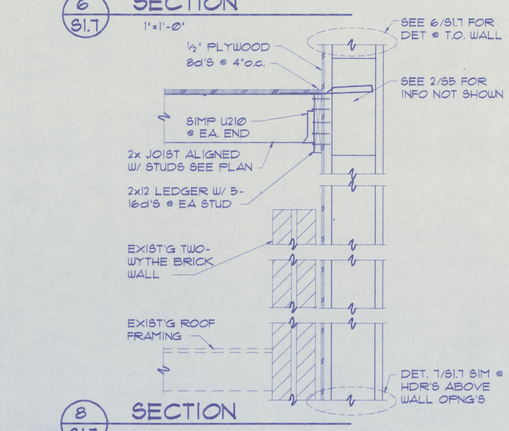
OPTION: APPROVED FIBER ADDITIVE MAY BE USED IN SLAB IN PLACE OF W.W.F. IF FIBER IS USED IN SLAB JOINTS TO HAVE - ¾"dx18" SMOOTH DOWELS @ 24" O.C. IN A 6" PLASTIC CAP.

5B S1.7 BULKHEAD JOINT

1"=1'-0"

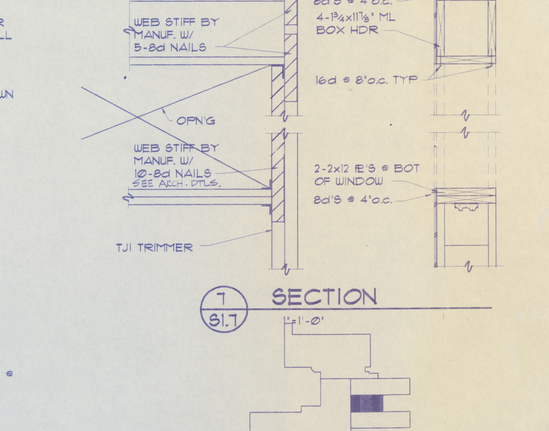
6 S1.7 SECTION

1"=1'-0"



8 S1.7 SECTION

1"=1'-0"



7 S1.7 SECTION

1"=1'-0"

CSC ARCHITECTS
1106 DOUGLAS, SUITE C
WALLA WALLA, WA 99362
(206) 525-3030 FAX 525-6768
601 MAIN, SUITE #310
OROVILLE, WA 98844
(206) 894-5028 FAX 894-5641

THIS DOCUMENT, AND THE IDEAS AND DESIGNS, INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CROOK, COLLINS & ASSOCIATES ARCHITECTS AND SHALL NOT BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT, WITHOUT THE WRITTEN AUTHORIZATION OF CROOK, SHAW, COLLINS ARCHITECTS.

DRAWN BY:

DATE: 4-6-93

REVISED:

AREA M: ROOF FRAMING PLAN, FND. PLAN AND DETAILS

PE ELL SCHOOL MODERNIZATION
PE ELL SCHOOL DISTRICT

SEAL:



EXPIRES DEC 12,1994

SHEET NUMBER: S1.7

JOB NUMBER: 9231

1"=0", 04/06/93 at 13:16, STATION D