INTERIOR REMODEL AND BUILDING ADDITION FOR:

COMMUNITY FOOD BANK

VOLUME 2: SHEET INDEX

BLUE ROOM

BLUE ROOM ARCHITECTURE & DESIGN, P.S.

HISTORIC SALTESE SCHOOLHOUSE
PO BOX 628
SPOKANE VALLEY, WA 99037
(509) 456-6800

www.brdstudio.com

CIVIL ENGINEER
PACIFIC ENGINEERING & DESIGN PLLC
200 SOUTH COLUMBIA, SUITE 300
WENATCHEE, WA 98801
(509) 662-1161

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PACIFIC ENGINEERING & DESIGN PLLC
200 SOUTH COLUMBIA, SUITE 300
WENATCHEE, WA 98801
(509) 662-1161

MECHANICAL ENGINEER
ROUTH CONSULTING ENGINEERS INC
PO BOX 3187
PASCO, WA 99301
(509) 547-8262

ELECTRICAL ENGINEER
PICATTI ENGINEERING AND SERVICES LLC
PO BOX 10034
YAKIMA, WA 98909
(509) 248-1447

DRAFT

INTERIOR REMODEL AND BUILDING ADDITION FOR:
COMMUNITY FOOD BANK
804 ELMVIEW ROAD
ELLENSBURG, WASHINGTON 98926

PROJECT NUMBER: 20008b
DATE: 12/21/2020
DRAWN: ALM
REVISIONS:

SCHEMATIC DESIGN
NOT FOR CONSTRUCTION

COVER SHEET

A0.1

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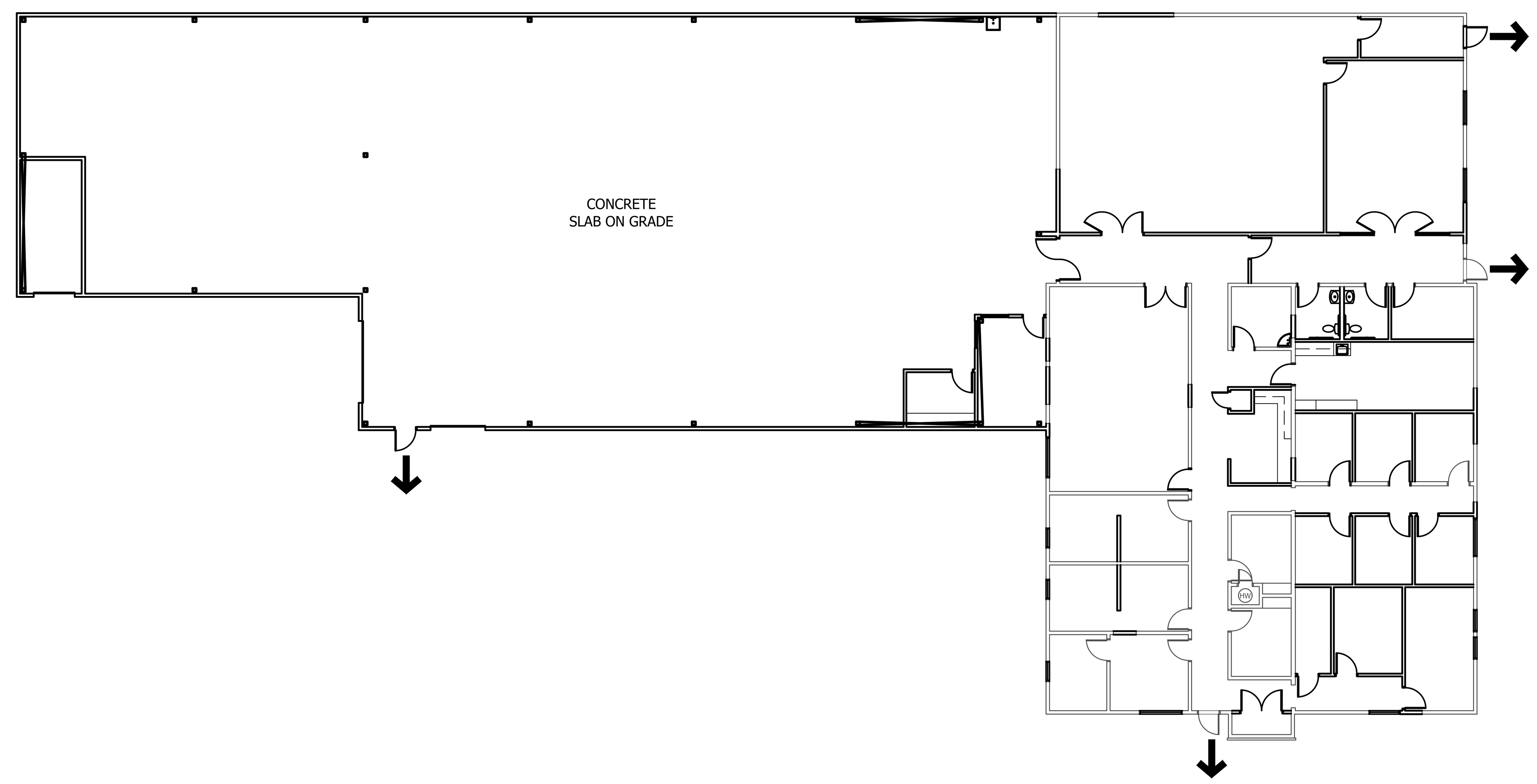

A FLOOR PLAN - FF ----.--

A0.3 1/16" = 1'-0"

SHEET LEGEND

🡅	EXIT
⇧	PATH OF EGRESS
FEC	FIRE EXTINGUISHER CABINET - SEMI RECESSED CABINET, LARSEN - CAMEO SERIES, FS C2409-5R FIRE RATED BOX OR EQUAL
KB	FIRE DEPARTMENT KNOX BOX - CONFIRM ACTUAL LOCATION WITH JURISDICTION AND BUILDING OWNER
▦	BUILDING STREET ADDRESS PER CITY STANDARDS
1	RATED ASSEMBLY - NUMBER REFERS TO REQUIRED RATING IN HOURS

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INTERIOR REMODEL AND BUILDING ADDITION FOR:

FISH
COMMUNITY FOOD BANK

804 ELMVIEW ROAD
ELLENSBURG, WASHINGTON 98926

PROJECT NUMBER: 20008b
DATE: 12/21/2020
DRAWN: ALM
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LIFE SAFETY PLAN

A0.3

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LOW VOLTAGE RESPONSIBILITY MATRIX

REFER TO DETAILED SCHEDULE / SPECS FOR ADDITIONAL INFORMATION

COMPONENT:	OWNER FURNISHED:	GC FURNISHED:	OWNER INSTALLED:	GC INSTALLED:	NOTES:
1. DESIGN/BUILD FIRE ALARM (COMPLETE)		■		■	
2. DESIGN/BUILD FIRE SPRINKLER (COMPLETE)		■		■	
3. PHONE / DATA BOXES, CONDUIT AND PULL STRING TO ABOVE ACT		■		■	
4. DATA CABLING	■		■		
5. DATA TERMINAL DEVICES	■		■		
6. NURSE CALL SYSTEM (WIRING AND DEVICES)	■		■		
7. MUSIC SYSTEM / SPEAKERS	■		■		
8. PHONE SYSTEM	■		■		
9. PAGING SYSTEM	■		■		
10. SECURITY SYSTEM WIRING AND TERMINAL DEVICES	■		■		
11. ACCESS CONTROLS TERMINAL DEVICES	■		■		
12. ACCESS CONTROLS / FIRE ALARM INTERCONNECT		■		■	
13. PATIENT PROGRESSION / PROCESSING SYSTEM	■		■		

SIGNAGE RESPONSIBILITY MATRIX

REFER TO DETAILED SCHEDULE / SPECS FOR ADDITIONAL INFORMATION

COMPONENT:	OWNER FURNISHED:	GC FURNISHED:	OWNER INSTALLED:	GC INSTALLED:	NOTES:
1. INTERIOR / EXTERIOR CODE-REQUIRED SIGNAGE		■		■	
2. INTERIOR, DIRECTIONAL / ROOM IDENTIFICATION	■		■		
3. EXTERIOR SIGNAGE	■		■		
4. SIGNAGE POWER AND DATA BOXES		■		■	

MEDICAL EQUIPMENT RESPONSIBILITY MATRIX

REFER TO DETAILED SCHEDULE / SPECS FOR ADDITIONAL INFORMATION

COMPONENT:	OWNER FURNISHED:	GC FURNISHED:	OWNER INSTALLED:	GC INSTALLED:	NOTES:
1. FIXED, FLOOR MOUNTED MEDICAL EQUIPMENT	■		■		
2. OVERHEAD EQUIPMENT SUPPORTS		■		■	
3. OVERHEAD MEDICAL / PROCEDURE LIGHTING	■			■	
4. PORTABLE / COUNTERTOP MEDICAL EQUIPMENT	■		■		
5. WALL-MOUNT MEDICAL EQUIPMENT, BRACKETS, HOOKS	■			■	
6. CUBICLE CURTAIN TRACK AND HOOKS		■		■	
7. CUBICLE CURTAINS (FABRIC)	■		■		
8. CORNER GUARDS / WALL PROTECTION		■		■	

OFFICE / LIFE SAFETY EQUIPMENT RESPONSIBILITY MATRIX

REFER TO DETAILED SCHEDULE / SPECS FOR ADDITIONAL INFORMATION

COMPONENT:	OWNER FURNISHED:	GC FURNISHED:	OWNER INSTALLED:	GC INSTALLED:	NOTES:
1. FLOOR-MOUNT FREE-STANDING EQUIPMENT	■		■		
2. FLOOR-MOUNT FIXED-OFFICE EQUIPMENT	■		■		
3. PORTABLE AND COUNTERTOP EQUIPMENT	■		■		
4. FURNITURE AND ACCESSORIES	■		■		
5. MODULAR CUBICLES AND WORKSTATIONS	■		■		
6. MODULAR FURNITURE POWER AND DATA BOXES		■		■	
7. OVERHEAD PROJECTORS / SCREENS	■			■	
8. WALL-MOUNT TV'S	■		■		
9. FIRE EXTINGUISHERS / CABINETS		■		■	
10. WALL-MOUNT OFFICE EQUIPMENT / FURNISHINGS	■		■		
11. COATHOOKS / DOOR STOPS / BUMPERS		■		■	
12. FIRE DEPARTMENT KNOX-BOX		■		■	
13. EMERGENCY STAIR / EGRESS COMMUNICATIONS DEVICES		■		■	

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PASCO, WA 99301
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RESPONSIBILITY MATRIX

A0.4

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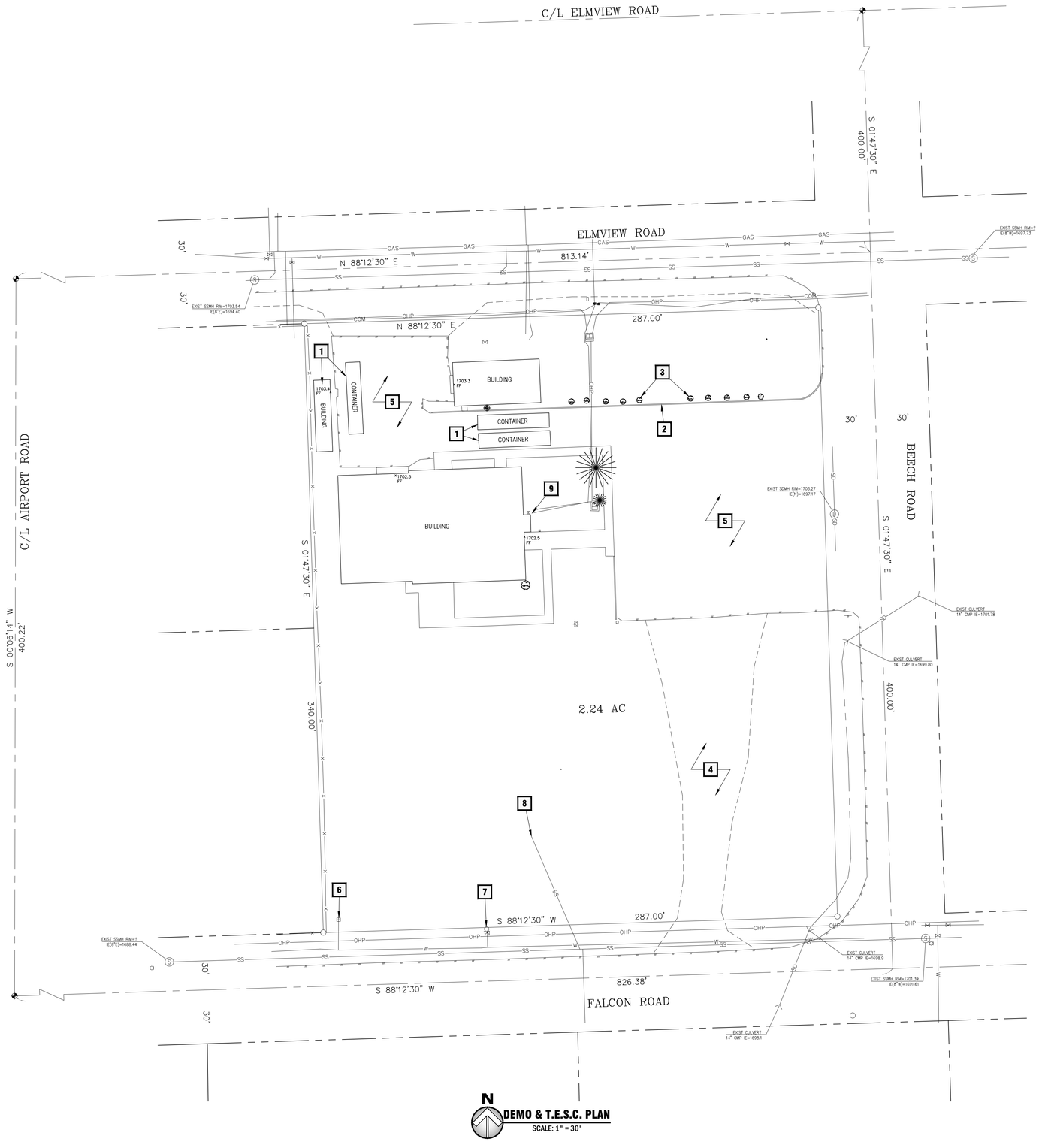

N

DEMO & T.E.S.C. PLAN

SCALE: 1" = 30'

KEYED NOTES - EXISTING

1	DEMO EXISTING BUILDING & CONTAINERS
2	DEMO CEMENT CONCRETE CURB
3	REMOVE TREES
4	DEMO EXISTING GRAVEL DRIVEWAY
5	DEMO EXISTING HMA PAVEMENT
6	DOMESTIC WATER METER
7	HYDRANT
8	SANITARY SEWER CONNECTION
9	POWER CONNECTION

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INTERIOR REMODEL AND BUILDING ADDITION FOR:

FISH

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REVISIONS: --

NOT FOR CONSTRUCTION

DEMO&TESCPLAN

C1.0

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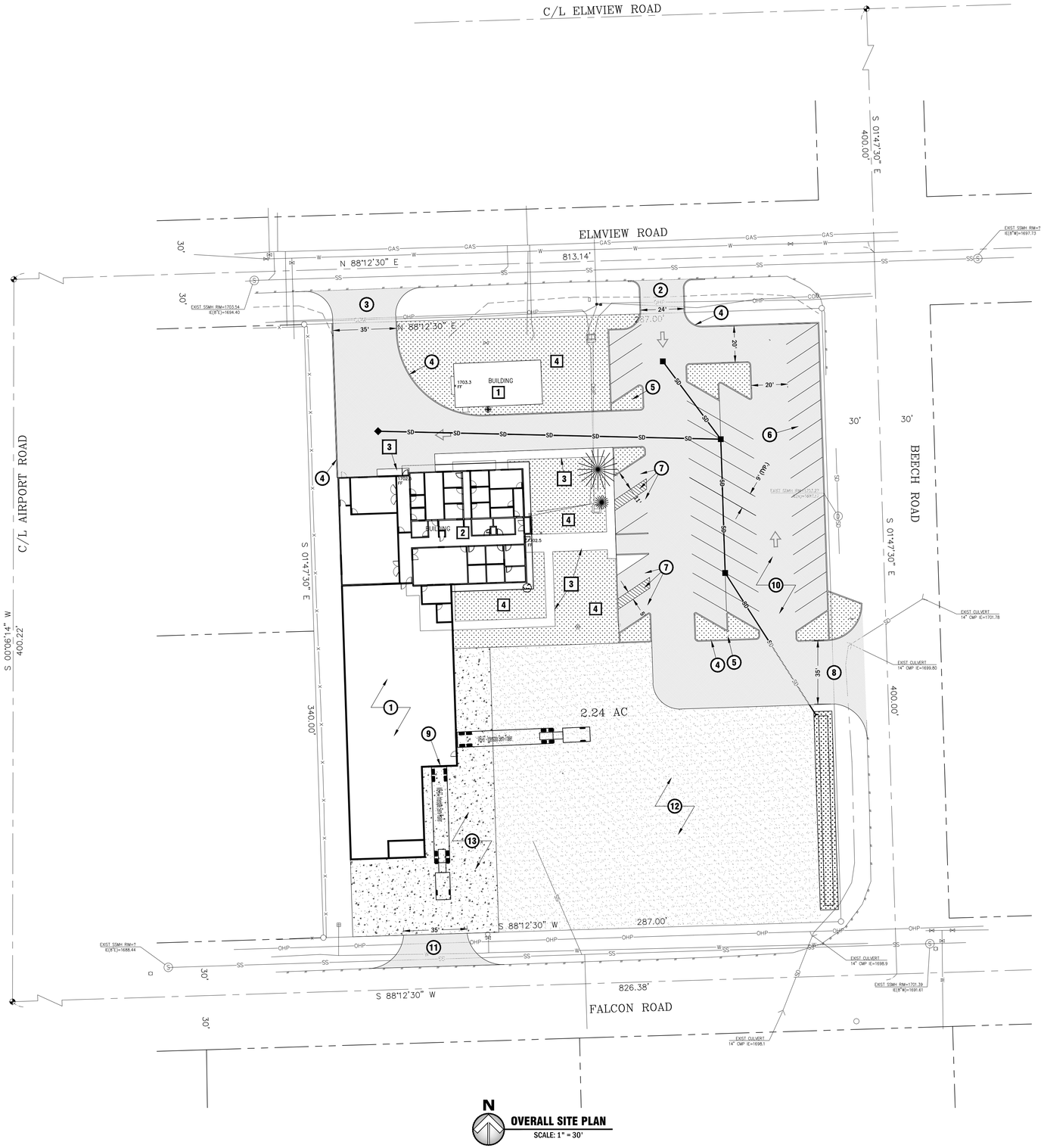

N

OVERALL SITE PLAN

SCALE: 1" = 30'

KEYED NOTES - EXISTING

1. STORAGE BUILDING
2. FISH MAIN OFFICE
3. SIDEWALK
4. GRASS/LANDSCAPE

KEYED NOTES - PROPOSED

1. BUILDING ADDITION - MATCH EXISTING F.F.E
2. ONEWAY DRIVEWAY ENTRANCE
3. ONEWAY DRIVEWAY EXIT
4. CEMENT CONCRETE CURB
5. LANDSCAPE ISLAND
6. 60° ANGLE PARKING STALL (TYP.)(42 SPACES)
7. ADA VAN ACCESIBLE PARKING STALL & AISLE (TYP.) (4 SPACES)
8. DRIVEWAY ENTRANCE & EXIT
9. LOADING DOCK
10. ASPHALT PARKING AREA
11. TRUCK DRIVEWAY ENTRANCE
12. GRAVEL AREA
13. CONCRETE APRON

LEGEND

- CENTER LINE
- EASEMENT LINE
- PROPOSED GRAVEL SURFACING
- PROPOSED CONCRETE
- PROPOSED HMA SURFACING
- PROPOSED GRASS OR LANDSCAPING

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OVERALLSITEPLAN

C1.1

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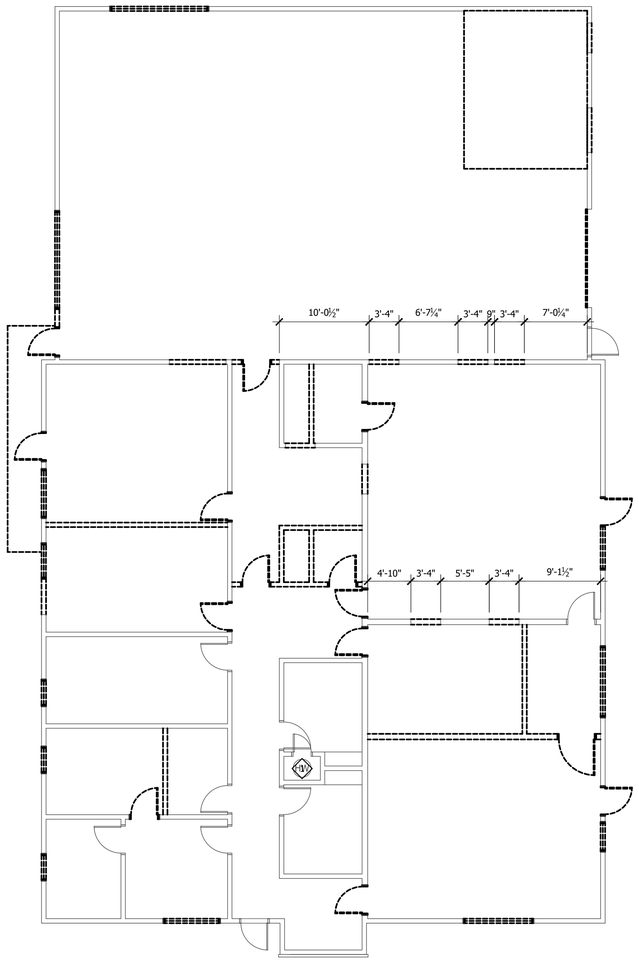

A DEMOLITION FLOOR PLAN

A2.11 SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. THIS DRAWING HAS BEEN DEVELOPED FROM EXISTING DRAWINGS, WHICH MAY NOT REFLECT ACTUAL FIELD CONDITIONS. CONTRACTOR IS TO VERIFY ALL FIELD CONDITIONS WITH THESE DRAWINGS PRIOR TO BEGINNING WORK. NOTIFY ARCHITECT IMMEDIATELY IF THERE ARE ANY DISCREPANCIES.
2. EXTERIOR DIMENSIONS ARE TYPICALLY TAKEN TO FACE OF CONCRETE/STUD, UNLESS NOTED OTHERWISE. INTERIOR DIMENSIONS ARE TYPICALLY TAKEN TO FACE OF STUD OR FACE OF FINISH (NOTED AS FOF), UNLESS NOTED OTHERWISE. "CLEAR" OR "CLR" NOTED ON THE DRAWINGS INDICATES AN OPENING FROM FACE OF FINISH TO FACE OF FINISH.
3. ALL EXISTING WALLS, DOORS, FRAMES, WINDOWS, RELITES, CASEWORK, ETC. TO BE REMOVED ARE SHOWN DASHED. ALL EXISTING WALLS, DOORS, FRAMES, WINDOWS, RELITES, CASEWORK, ETC. TO REMAIN ARE INDICATED WITH SOLID LINES, UNLESS NOTED OTHERWISE. INTERIOR PARTITION WALLS INDICATED FOR DEMOLITION ARE TO BE COMPLETELY REMOVED FROM FLOOR TO STRUCTURE ABOVE INCLUDING ALL ABANDONED UTILITIES. PATCH AND REPAIR ALL VISIBLE SURFACES TO REMAIN AS NEEDED, SO THAT NEWLY APPLIED FINISHES HAVE A UNIFORM APPEARANCE, TYP.
4. ANY DAMAGE TO EXISTING FIREPROOFING OR FIRE ASSEMBLIES TO REMAIN IS TO BE REPAIRED TO CONFORM TO ORIGINAL REQUIREMENTS.
5. PATCH AND REPAIR ALL EXISTING TO REMAIN SURFACES / CONDITIONS IF DAMAGED OR OTHERWISE AFFECTED BY THIS CONSTRUCTION. GYP BOARD WALL SURFACES TO BE LEVEL 4 FINISH. PREPARE SURFACES TO RECEIVE NEW FINISH. PAINT TO MATCH EXISTING ADJACENT COLOR FROM INSIDE CORNER TO INSIDE CORNER.
6. REMOVE ALL EXISTING FLOOR FINISHES AND WALL BASE THROUGHOUT THE LIMITS OF CONSTRUCTION, UNLESS NOTED OTHERWISE. AT LOCATIONS OF REMOVAL, PREPARE FLOOR SUBSTRATES TO RECEIVE NEW FINISHES. DEMOLITION IS TO BE INCLUSIVE OF SUBFLOOR REMOVAL AND REPLACEMENT AS NEEDED TO PROVIDE FOR INSTALLATION OF NEW FINISH PER MANUFACTURER'S RECOMMENDATIONS AND WARRANTY. ALL FLOORING SURFACES TO ALIGN FLUSH. PROVIDE TRANSITION STRIPS AS REQUIRED. CONTRACTOR TO PATCH AND REPAIR WALL SURFACES AS REQUIRED.
7. REMOVE ALL EXISTING CEILING FINISHES AND LIGHTS/DIFFUSERS/GRILLES THROUGHOUT THE LIMITS OF CONSTRUCTION, UNLESS NOTED OTHERWISE. PATCH AND REPAIR EXISTING TO REMAIN CEILING FINISHES AFFECTED BY CONSTRUCTION WITHIN LIMITS OF CONSTRUCTION. SEE REFLECTED CEILING PLAN FOR ADDITIONAL INFORMATION.
8. EXTERIOR JOINTS AT WINDOWS, OPENINGS AT PENETRATIONS OF UTILITY SERVICES THROUGH WALLS AND ROOFS AND ALL OTHER OPENINGS IN THE BUILDING ENVELOPE SHALL BE SEALED, CAULKED, GASKETED OR WEATHER-STRIPPED TO LIMIT AIR LEAKAGE.
9. OWNER WILL REMOVE / RELOCATE ALL EXISTING EQUIPMENT, FURNITURE, ACCESSORIES, DISPENSERS, RECEPTACLES, ETC. DURING CONSTRUCTION AS REQUIRED. CONTRACTOR TO COORDINATE SCHEDULING, STAGING AND REINSTALLATION (WHERE APPLICABLE) WITH OWNER.
10. REFER TO MECHANICAL/ELECTRICAL DRAWINGS FOR ADDITIONAL SYSTEM DEMOLITION REQUIREMENTS.
11. GENERAL CONTRACTOR TO COORDINATE CONSTRUCTION BARRIERS WITH OWNER.

CODED NOTES

1. NO ARCHITECTURAL WORK IN THIS ROOM. EXISTING TO REMAIN UNLESS SPECIFICALLY NOTED OTHERWISE (REFER TO MEP DOCUMENTS). GENERAL CONTRACTOR TO COORDINATE ANY AND ALL CUT AND PATCH REQUIRED FOR MEP SYSTEMS.

BLUE ROOM

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FISH

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DEMOLITION FLOOR PLAN

A2.11

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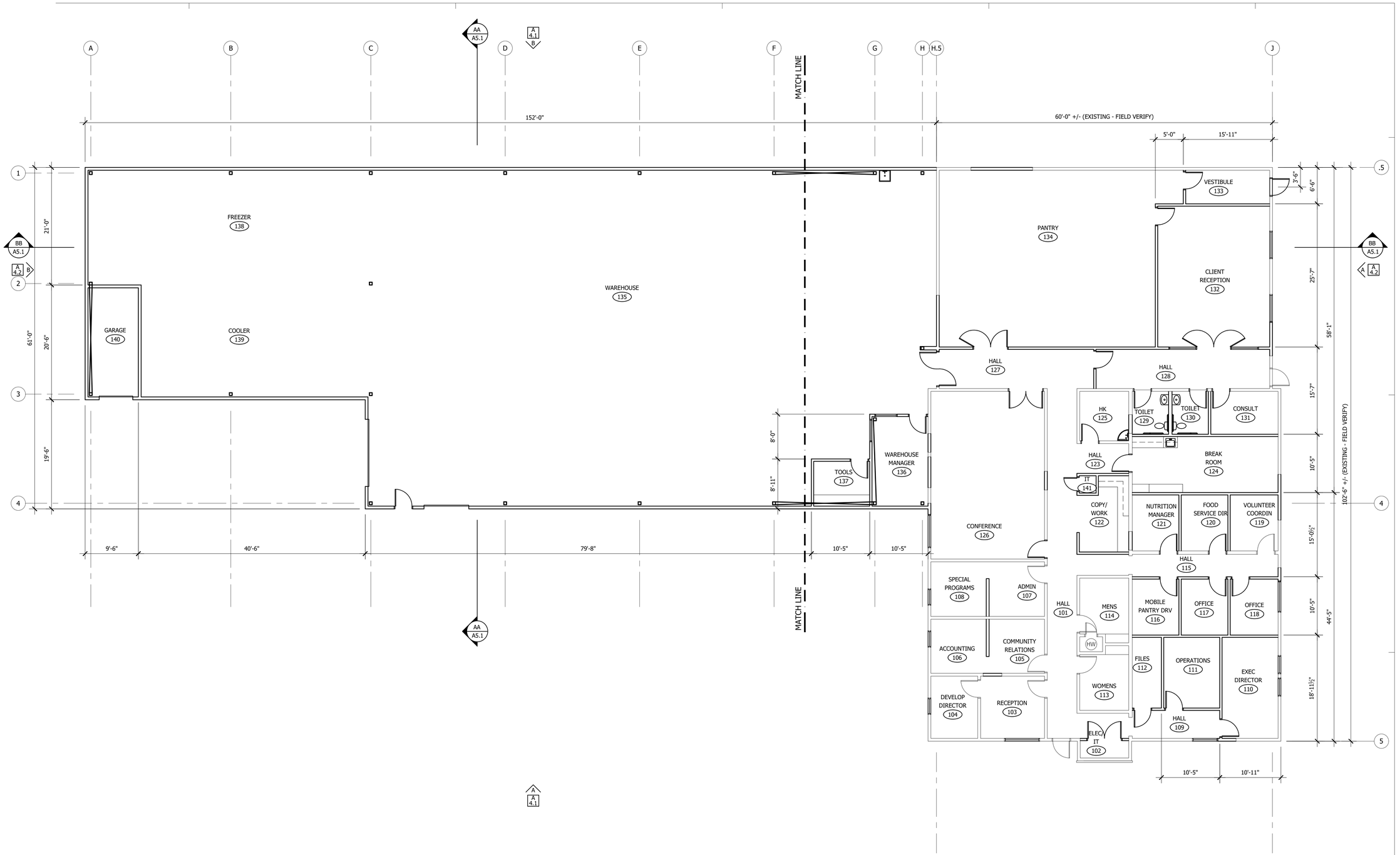

A NEW FLOOR PLAN - DIMENSIONS

A2.20 SCALE: 1/8" = 1'-0"

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NEW FLOOR PLAN - DIMENSIONS

A2.20

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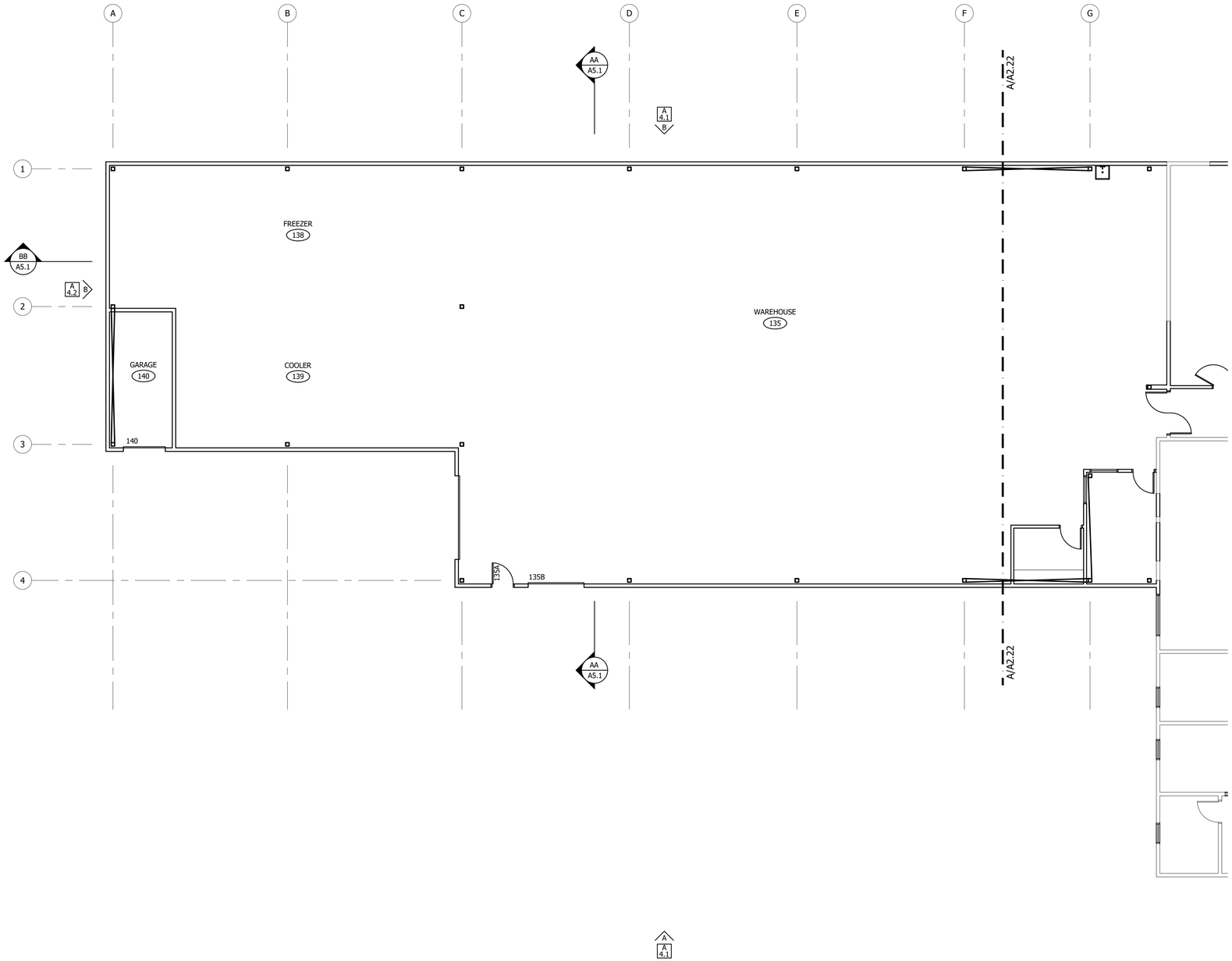

GENERAL NOTES

1. CONTRACTOR IS TO VERIFY ALL FIELD CONDITIONS WITH THESE DRAWINGS PRIOR TO BEGINNING WORK. NOTIFY ARCHITECT IMMEDIATELY IF THERE ARE ANY DISCREPANCIES.
2. GRIDLINES ARE TYPICALLY FACE OF CONCRETE, UNLESS NOTED OTHERWISE.
3. EXTERIOR DIMENSIONS ARE TYPICALLY TAKEN TO GRIDLINES OR FACE OF CONCRETE, UNLESS NOTE OTHERWISE. INTERIOR DIMENSIONS ARE TYPICALLY TAKEN TO FACE OF STUD OR FACE OF FINISH (NOTED AS FOF), UNLESS NOTED OTHERWISE. "CLEAR" OR "CLR" NOTED ON THE DRAWINGS INDICATES AN OPENING FROM FACE OF FINISH TO FACE OF FINISH.
4. ALL EXISTING WALLS, DOORS, FRAMES, WINDOWS, RELITES, CASEWORK, ETC. TO REMAIN ARE INDICATED WITH SOLID LINES, UNLESS NOTED OTHERWISE. NEW WALLS ARE INDICATED WITH SOLID LINES FILLED WITH SHADING. PATCH AND REPAIR ALL VISIBLE SURFACES TO REMAIN AS NEEDED, SO THAT NEWLY APPLIED FINISHES HAVE A UNIFORM APPEARANCE, TYP.
5. ANY DAMAGE TO EXISTING FIREPROOFING OR FIRE ASSEMBLIES TO REMAIN IS TO BE REPAIRED TO CONFORM TO ORIGINAL REQUIREMENTS.
6. PATCH AND REPAIR ALL EXISTING TO REMAIN SURFACES / CONDITIONS IF DAMAGED OR OTHERWISE AFFECTED BY THIS CONSTRUCTION. GYP BOARD WALL SURFACES TO BE LEVEL 4 FINISH. PREPARE SURFACES TO RECEIVE NEW FINISH. PAINT TO MATCH EXISTING ADJACENT COLOR FROM INSIDE CORNER TO INSIDE CORNER.
7. PREPARE FLOOR SUBSTRATES TO RECEIVE NEW FINISHES. INSTALLATION OF NEW FINISHES TO BE PER MANUFACTURER'S RECOMMENDATIONS AND WARRANTY. ALL FLOORING SURFACES TO ALIGN FLUSH. PROVIDE TRANSITION STRIPS AS REQUIRED. CONTRACTOR TO PATCH AND REPAIR WALL SURFACES AS REQUIRED.
8. SEE REFLECTED CEILING PLAN FOR EXTENT OF CEILING WORK. PATCH AND REPAIR EXISTING TO REMAIN CEILING FINISHES AFFECTED BY CONSTRUCTION WITHIN LIMITS OF CONSTRUCTION.
9. MAINTAIN 12" CLEAR FROM EDGE OF DOOR ON PUSH SIDE OF ALL SWING MAN DOORS. MAINTAIN 18" CLEAR FROM EDGE OF DOOR ON PULL SIDE OF ALL SWING MAN DOORS.
10. INSTALL ⅝" WATER RESISTANT GYPSUM BOARD AT ALL NEW WALLS LOCATED WITHIN 24" OF ANY SOURCE OF WATER.
11. PROVIDE WALL BLOCKING AS REQUIRED FOR INSTALLATION OF CASEWORK, FURNITURE, EQUIPMENT AND ACCESSORIES. SEE INTERIOR ELEVATIONS. VERIFY EQUIPMENT REQUIREMENTS WITH OWNER.
12. EXTERIOR JOINTS AT WINDOWS, OPENINGS AT PENETRATIONS OF UTILITY SERVICES THROUGH WALLS AND ROOFS AND ALL OTHER OPENINGS IN THE BUILDING ENVELOPE SHALL BE SEALED, CAULKED, GASKETED OR WEATHER-STRIPPED TO LIMIT AIR LEAKAGE.
13. OWNER WILL REMOVE / RELOCATE ALL EXISTING EQUIPMENT, FURNITURE, CHART BOXES, MAGAZINE RACKS, DISPENSERS, RECEPTACLES, ETC. DURING CONSTRUCTION AS REQUIRED. CONTRACTOR TO COORDINATE SCHEDULING, STAGING AND REINSTALLATION (WHERE APPLICABLE) WITH OWNER.
14. FIRE ALARM / SPRINKLER SYSTEM MODIFICATIONS TO BE A DEFERRED SUBMITTAL AND DESIGN BUILD BY GENERAL CONTRACTOR AS REQUIRED. CONTRACTOR IS TO NOTIFY OWNER / ARCHITECT OF ANY FIRE ALARM / SPRINKLER SYSTEM MODIFICATIONS PRIOR TO DEMOLITION.
15. ALL DATA / PHONE AND SIMILAR LOW VOLTAGE SYSTEMS MODIFICATIONS (WIRE AND TERMINAL DEVICES) ARE PER OWNER.
16. GENERAL CONTRACTOR TO COORDINATE ICRA BARRIER WITH OWNER.
17. CONTRACTOR TO PAINT ALL NEW ASSEMBLIES THROUGHOUT UNLESS NOTED OTHERWISE, TYP.

A PARTIAL NEW FLOOR PLAN - NOTES

A2.21 SCALE: 1/8" = 1'-0"

BLUE ROOM

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CHELAN COMMUNITY FOOD BANK

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PROJECT NUMBER: 20008b
DATE: 12/21/2020
DRAWN: ALM
REVISIONS:

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PARTIAL NEW FLOOR PLAN - NOTES

A2.21

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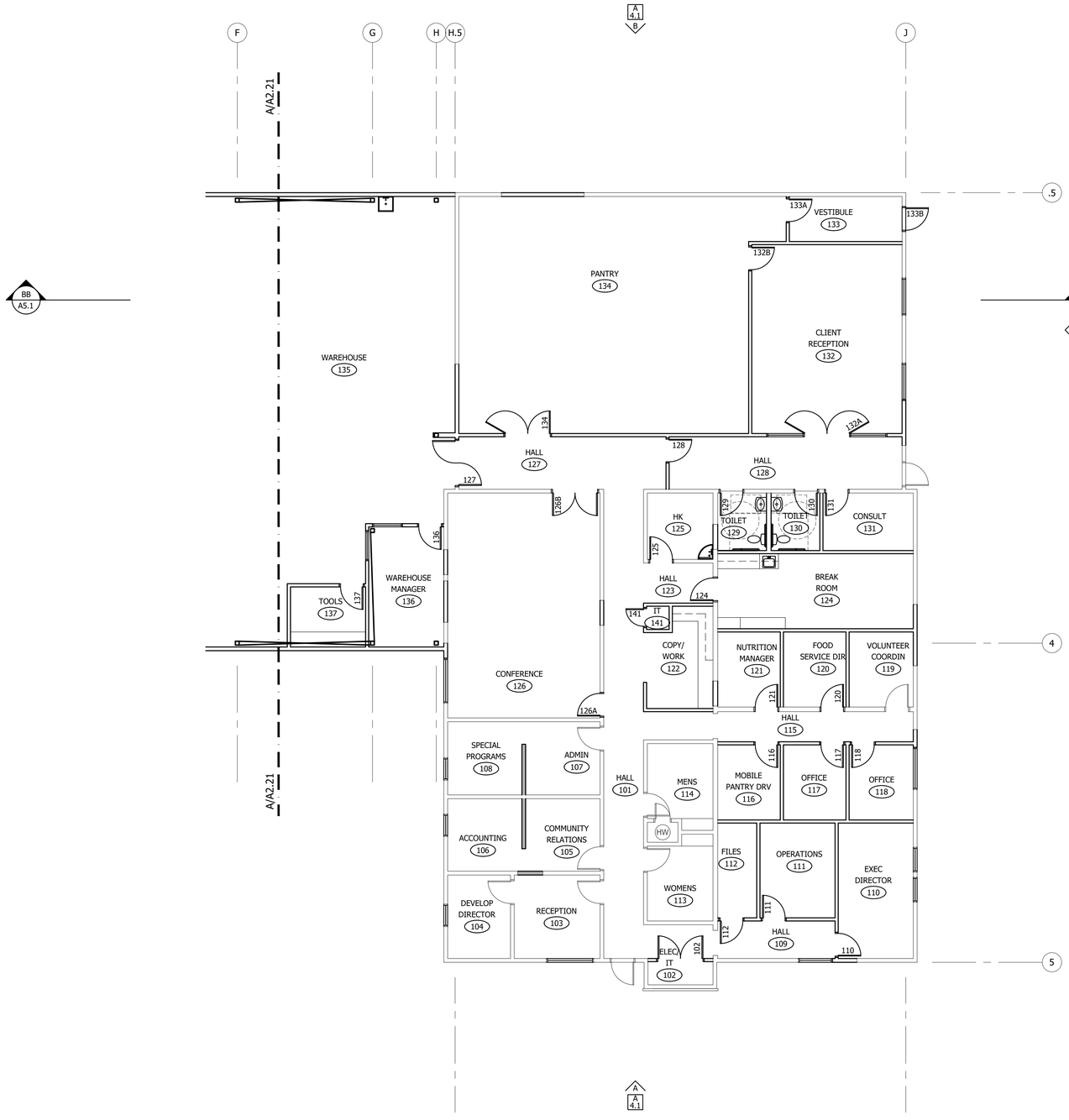

GENERAL NOTES

1. CONTRACTOR IS TO VERIFY ALL FIELD CONDITIONS WITH THESE DRAWINGS PRIOR TO BEGINNING WORK. NOTIFY ARCHITECT IMMEDIATELY IF THERE ARE ANY DISCREPANCIES.
2. GRIDLINES ARE TYPICALLY FACE OF CONCRETE, UNLESS NOTED OTHERWISE.
3. EXTERIOR DIMENSIONS ARE TYPICALLY TAKEN TO GRIDLINES OR FACE OF CONCRETE, UNLESS NOTE OTHERWISE. INTERIOR DIMENSIONS ARE TYPICALLY TAKEN TO FACE OF STUD OR FACE OF FINISH (NOTED AS FOF), UNLESS NOTED OTHERWISE. "CLEAR" OR "CLR" NOTED ON THE DRAWINGS INDICATES AN OPENING FROM FACE OF FINISH TO FACE OF FINISH.
4. ALL EXISTING WALLS, DOORS, FRAMES, WINDOWS, RELITES, CASEWORK, ETC. TO REMAIN ARE INDICATED WITH SOLID LINES, UNLESS NOTED OTHERWISE. NEW WALLS ARE INDICATED WITH SOLID LINES FILLED WITH SHADING. PATCH AND REPAIR ALL VISIBLE SURFACES TO REMAIN AS NEEDED, SO THAT NEWLY APPLIED FINISHES HAVE A UNIFORM APPEARANCE, TYP.
5. ANY DAMAGE TO EXISTING FIREPROOFING OR FIRE ASSEMBLIES TO REMAIN IS TO BE REPAIRED TO CONFORM TO ORIGINAL REQUIREMENTS.
6. PATCH AND REPAIR ALL EXISTING TO REMAIN SURFACES / CONDITIONS IF DAMAGED OR OTHERWISE AFFECTED BY THIS CONSTRUCTION. GYP BOARD WALL SURFACES TO BE LEVEL 4 FINISH. PREPARE SURFACES TO RECEIVE NEW FINISH. PAINT TO MATCH EXISTING ADJACENT COLOR FROM INSIDE CORNER TO INSIDE CORNER.
7. PREPARE FLOOR SUBSTRATES TO RECEIVE NEW FINISHES. INSTALLATION OF NEW FINISHES TO BE PER MANUFACTURER'S RECOMMENDATIONS AND WARRANTY. ALL FLOORING SURFACES TO ALIGN FLUSH. PROVIDE TRANSITION STRIPS AS REQUIRED. CONTRACTOR TO PATCH AND REPAIR WALL SURFACES AS REQUIRED.
8. SEE REFLECTED CEILING PLAN FOR EXTENT OF CEILING WORK. PATCH AND REPAIR EXISTING TO REMAIN CEILING FINISHES AFFECTED BY CONSTRUCTION WITHIN LIMITS OF CONSTRUCTION.
9. MAINTAIN 12" CLEAR FROM EDGE OF DOOR ON PUSH SIDE OF ALL SWING MAN DOORS. MAINTAIN 18" CLEAR FROM EDGE OF DOOR ON PULL SIDE OF ALL SWING MAN DOORS.
10. INSTALL ⅝" WATER RESISTANT GYPSUM BOARD AT ALL NEW WALLS LOCATED WITHIN 24" OF ANY SOURCE OF WATER.
11. PROVIDE WALL BLOCKING AS REQUIRED FOR INSTALLATION OF CASEWORK, FURNITURE, EQUIPMENT AND ACCESSORIES. SEE INTERIOR ELEVATIONS. VERIFY EQUIPMENT REQUIREMENTS WITH OWNER.
12. EXTERIOR JOINTS AT WINDOWS, OPENINGS AT PENETRATIONS OF UTILITY SERVICES THROUGH WALLS AND ROOFS AND ALL OTHER OPENINGS IN THE BUILDING ENVELOPE SHALL BE SEALED, CAULKED, GASKETED OR WEATHER-STRIPPED TO LIMIT AIR LEAKAGE.
13. OWNER WILL REMOVE / RELOCATE ALL EXISTING EQUIPMENT, FURNITURE, CHART BOXES, MAGAZINE RACKS, DISPENSERS, RECEPTACLES, ETC. DURING CONSTRUCTION AS REQUIRED. CONTRACTOR TO COORDINATE SCHEDULING, STAGING AND REINSTALLATION (WHERE APPLICABLE) WITH OWNER.
14. FIRE ALARM / SPRINKLER SYSTEM MODIFICATIONS TO BE A DEFERRED SUBMITTAL AND DESIGN BUILD BY GENERAL CONTRACTOR AS REQUIRED. CONTRACTOR IS TO NOTIFY OWNER / ARCHITECT OF ANY FIRE ALARM / SPRINKLER SYSTEM MODIFICATIONS PRIOR TO DEMOLITION.
15. ALL DATA / PHONE AND SIMILAR LOW VOLTAGE SYSTEMS MODIFICATIONS (WIRE AND TERMINAL DEVICES) ARE PER OWNER.
16. GENERAL CONTRACTOR TO COORDINATE ICRA BARRIER WITH OWNER.
17. CONTRACTOR TO PAINT ALL NEW ASSEMBLIES THROUGHOUT UNLESS NOTED OTHERWISE, TYP.

A PARTIAL NEW FLOOR PLAN - NOTES

A2.22 SCALE: 1/8" = 1'-0"

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HISTORIC SALTESE SCHOOLHOUSE
PO BOX 628
SPOKANE VALLEY, WA 99037
(509) 456-6800

www.brdstudio.com

CIVIL ENGINEER
PACIFIC ENGINEERING & DESIGN PLLC
200 SOUTH COLUMBIA, SUITE 300
WENATCHEE, WA 98801
(509) 662-1161

STRUCTURAL ENGINEER
PACIFIC ENGINEERING & DESIGN PLLC
200 SOUTH COLUMBIA, SUITE 300
WENATCHEE, WA 98801
(509) 662-1161

MECHANICAL ENGINEER
ROUTH CONSULTING ENGINEERS INC
PO BOX 3187
PASCO, WA 99301
(509) 547-8262

ELECTRICAL ENGINEER
PICATTI ENGINEERING AND SERVICES LLC
PO BOX 10034
YAKIMA, WA 98909
(509) 248-1447

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INTERIOR REMODEL AND BUILDING ADDITION FOR:

xFISH

COMMUNITY FOOD BANK

804 ELMVIEW ROAD
ELLENSBURG, WASHINGTON 98926

PROJECT NUMBER: 20008b
DATE: 12/21/2020
DRAWN: ALM
REVISIONS:

SCHEMATIC DESIGN
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PARTIAL NEW FLOOR PLAN - NOTES

A2.22

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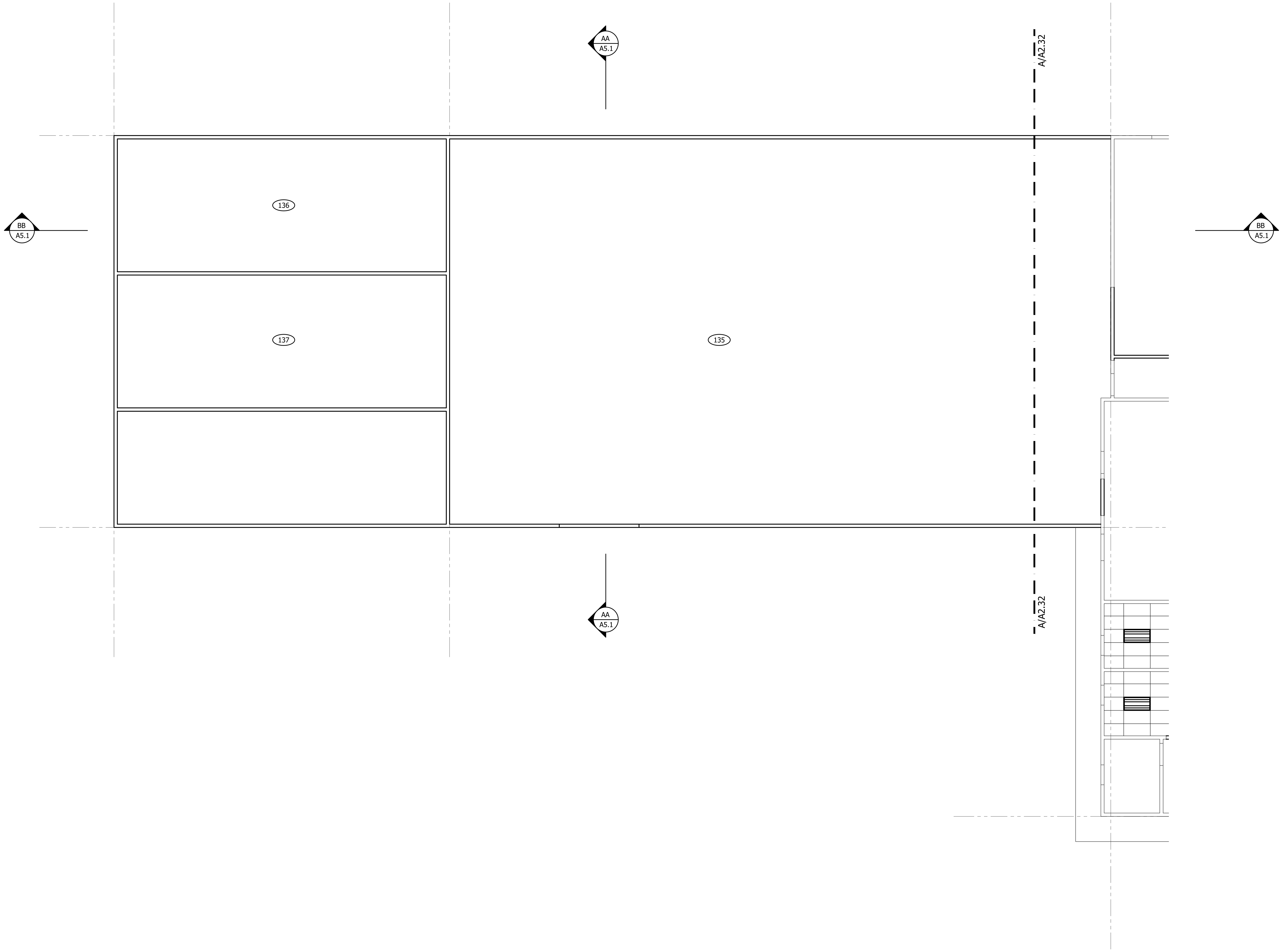

A PARTIAL REFLECTED CEILING PLAN

A2.31 SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. ALL CEILINGS ARE 9'-0" AFF, UNLESS NOTED OTHERWISE. NOTIFY ARCHITECT IMMEDIATELY IF A NOTED CEILING HEIGHTS CANNOT BE MAINTAINED.
2. ALL CEILINGS ARE TYPE C-1 UNLESS NOTED OTHERWISE. REFER TO FINISH FLOOR PLAN FOR CEILING FINISH INFORMATION.
3. ALL DIMENSIONS AND ELEVATIONS ON REFLECTED CEILING PLAN ARE TO ACTUAL FACE OF FINISH.
4. SEE INTERIOR ELEVATIONS FOR HEIGHT OF JUNCTION BOXES FOR WALL MOUNTED LIGHT FIXTURES, TYP.
5. CONTRACTOR TO FIELD COORDINATE ALL NEW OVERHEAD MEP SYSTEMS. CONTRACTOR TO VERIFY ALL OVERHEAD CONDITIONS FOR TRADE COORDINATION. IN THE EVENT INDICATED FINISHED CEILING HEIGHTS CANNOT BE MET OR OVERHEAD CONDITIONS NECESSITATE SOFFITS, CONTRACTOR IS TO ADVISE ARCHITECT ACCORDINGLY.
6. REPAIR / REPLACE EXISTING TO REMAIN CEILING SURFACES / CONDITIONS IF DAMAGED OR OTHERWISE AFFECTED BY THIS CONSTRUCTION, SO THAT NEWLY APPLIED FINISHES HAVE A UNIFORM APPEARANCE, TYP. GYP BOARD SURFACES TO BE LEVEL 4 FINISH. PAINT TO MATCH EXISTING ADJACENT COLOR FROM INSIDE CORNER TO INSIDE CORNER.
7. INSTALL FIRE SAFEING AT ALL RATED WALLS. ANY DAMAGE TO EXISTING FIREPROOFING OR FIRE ASSEMBLIES TO REMAIN IS TO BE REPAIRED TO CONFORM TO ORIGINAL REQUIREMENTS. AREAS OF EXISTING DAMAGE, INCOMPLETE WORK OR SUSPECT CONDITIONS ARE TO BE BROUGHT TO THE ARCHITECT'S ATTENTION IMMEDIATELY.
8. GENERALLY MECHANICAL ITEMS ARE SHOWN DIAGRAMMATICALLY FOR CONTRACTOR COORDINATION. ALL WORK SHALL BE IN COMPLIANCE WITH APPLICABLE CODES AT THE TIME OF CONSTRUCTION. REFER TO MECHANICAL DOCUMENTS FOR LOCATIONS, TYPES AND QUANTITIES.
9. GENERALLY ELECTRICAL ITEMS ARE SHOWN DIAGRAMMATICALLY FOR CONTRACTOR COORDINATION. ALL WORK SHALL BE IN COMPLIANCE WITH APPLICABLE CODES AT THE TIME OF CONSTRUCTION. REFER TO ELECTRICAL DOCUMENTS FOR LIGHT FIXTURE AND DEVICE LOCATIONS, TYPES AND QUANTITIES.
10. PROVIDE LATERAL BRACING AT ALL NEW PARTITION WALLS THAT CANNOT BE EXTENDED FULL HEIGHT TO STRUCTURE ABOVE DUE TO EXISTING MEP.
11. REFER TO 16/A8.4 FOR SUSPENDED CEILING LATERAL SUPPORT DETAIL.
12. GENERAL CONTRACTOR TO COORDINATE ICRA BARRIER WITH OWNER.

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HISTORIC SALTESE SCHOOLHOUSE
PO BOX 628
SPOKANE VALLEY, WA 99037
(509) 456-6800

www.brdstudio.com

CIVIL ENGINEER
PACIFIC ENGINEERING & DESIGN PLLC
200 SOUTH COLUMBIA, SUITE 300
WENATCHEE, WA 98801
(509) 662-1161

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PACIFIC ENGINEERING & DESIGN PLLC
200 SOUTH COLUMBIA, SUITE 300
WENATCHEE, WA 98801
(509) 662-1161

MECHANICAL ENGINEER
ROUTH CONSULTING ENGINEERS INC
PO BOX 3187
PASCO, WA 99301
(509) 547-8262

ELECTRICAL ENGINEER
PICATTI ENGINEERING AND SERVICES LLC
PO BOX 10034
YAKIMA, WA 98909
(509) 248-1447

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INTERIOR REMODEL AND BUILDING ADDITION FOR:

FISH

COMMUNITY FOOD BANK

804 ELMVIEW ROAD
ELLENSBURG, WASHINGTON 98926

PROJECT NUMBER: 20008b
DATE: 11/16/2020
DRAWN: ALM
REVISIONS:

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PARTIAL REFLECTED
CEILING PLAN

A2.31

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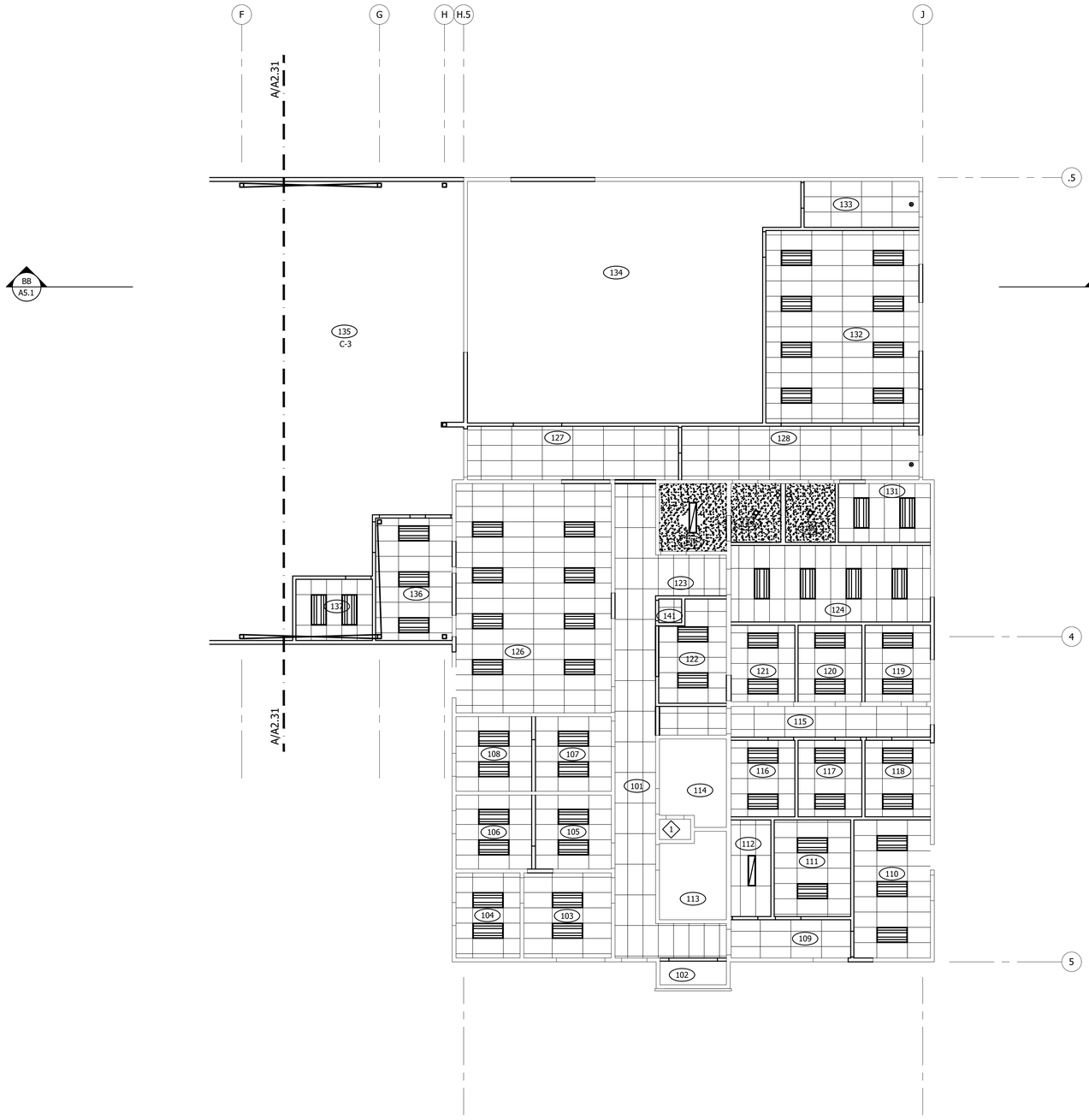

GENERAL NOTES

1. ALL CEILINGS ARE 9'-0" AFF, UNLESS NOTED OTHERWISE. NOTIFY ARCHITECT IMMEDIATELY IF A NOTED CEILING HEIGHTS CANNOT BE MAINTAINED.
2. ALL CEILINGS ARE TYPE C-1 UNLESS NOTED OTHERWISE. REFER TO FINISH FLOOR PLAN FOR CEILING FINISH INFORMATION.
3. ALL DIMENSIONS AND ELEVATIONS ON REFLECTED CEILING PLAN ARE TO ACTUAL FACE OF FINISH.
4. SEE INTERIOR ELEVATIONS FOR HEIGHT OF JUNCTION BOXES FOR WALL MOUNTED LIGHT FIXTURES, TYP.
5. CONTRACTOR TO FIELD COORDINATE ALL NEW OVERHEAD MEP SYSTEMS. CONTRACTOR TO VERIFY ALL OVERHEAD CONDITIONS FOR TRADE COORDINATION. IN THE EVENT INDICATED FINISHED CEILING HEIGHTS CANNOT BE MET OR OVERHEAD CONDITIONS NECESSITATE SOFFITS, CONTRACTOR IS TO ADVISE ARCHITECT ACCORDINGLY.
6. REPAIR / REPLACE EXISTING TO REMAIN CEILING SURFACES / CONDITIONS IF DAMAGED OR OTHERWISE AFFECTED BY THIS CONSTRUCTION, SO THAT NEWLY APPLIED FINISHES HAVE A UNIFORM APPEARANCE, TYP. GYP BOARD SURFACES TO BE LEVEL 4 FINISH. PAINT TO MATCH EXISTING ADJACENT COLOR FROM INSIDE CORNER TO INSIDE CORNER.
7. INSTALL FIRE SAFEING AT ALL RATED WALLS. ANY DAMAGE TO EXISTING FIREPROOFING OR FIRE ASSEMBLIES TO REMAIN IS TO BE REPAIRED TO CONFORM TO ORIGINAL REQUIREMENTS. AREAS OF EXISTING DAMAGE, INCOMPLETE WORK OR SUSPECT CONDITIONS ARE TO BE BROUGHT TO THE ARCHITECT'S ATTENTION IMMEDIATELY.
8. GENERALLY MECHANICAL ITEMS ARE SHOWN DIAGRAMMATICALLY FOR CONTRACTOR COORDINATION. ALL WORK SHALL BE IN COMPLIANCE WITH APPLICABLE CODES AT THE TIME OF CONSTRUCTION. REFER TO MECHANICAL DOCUMENTS FOR LOCATIONS, TYPES AND QUANTITIES.
9. GENERALLY ELECTRICAL ITEMS ARE SHOWN DIAGRAMMATICALLY FOR CONTRACTOR COORDINATION. ALL WORK SHALL BE IN COMPLIANCE WITH APPLICABLE CODES AT THE TIME OF CONSTRUCTION. REFER TO ELECTRICAL DOCUMENTS FOR LIGHT FIXTURE AND DEVICE LOCATIONS, TYPES AND QUANTITIES.
10. PROVIDE LATERAL BRACING AT ALL NEW PARTITION WALLS THAT CANNOT BE EXTENDED FULL HEIGHT TO STRUCTURE ABOVE DUE TO EXISTING MEP.
11. REFER TO 16/A8.4 FOR SUSPENDED CEILING LATERAL SUPPORT DETAIL.
12. GENERAL CONTRACTOR TO COORDINATE ICRA BARRIER WITH OWNER.

CODED NOTES

1. NO ARCHITECTURAL WORK IN THIS ROOM. EXISTING TO REMAIN UNLESS SPECIFICALLY NOTED OTHERWISE (REFER TO MEP DOCUMENTS). GC TO COORDINATE ANY AND ALL CUT AND PATCH REQUIRED FOR MEP SYSTEMS.
2. ALIGN FINISHES.
3. 8'-10" AFF BULKHEAD, TYP. SEE DETAIL -/A8.-.

A PARTIAL REFLECTED CEILING PLAN

A2.32 SCALE: 1/8" = 1'-0"

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HISTORIC SALTESE SCHOOLHOUSE
PO BOX 628
SPOKANE VALLEY, WA 99037
(509) 456-6800

www.brdstudio.com

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WENATCHEE, WA 98801
(509) 662-1161

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200 SOUTH COLUMBIA, SUITE 300
WENATCHEE, WA 98801
(509) 662-1161

MECHANICAL ENGINEER
ROUTH CONSULTING ENGINEERS INC
PO BOX 3187
PASCO, WA 99301
(509) 547-8262

ELECTRICAL ENGINEER
PICATTI ENGINEERING AND SERVICES LLC
PO BOX 10034
YAKIMA, WA 98909
(509) 248-1447

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INTERIOR REMODEL AND BUILDING ADDITION FOR:

FISH

COMMUNITY FOOD BANK

804 ELMVIEW ROAD
ELLENSBURG, WASHINGTON 98926

PROJECT NUMBER: 20008b
DATE: 12/21/2020
DRAWN: ALM
REVISIONS:

SCHEMATIC DESIGN
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PARTIAL REFLECTED CEILING PLAN

A2.32

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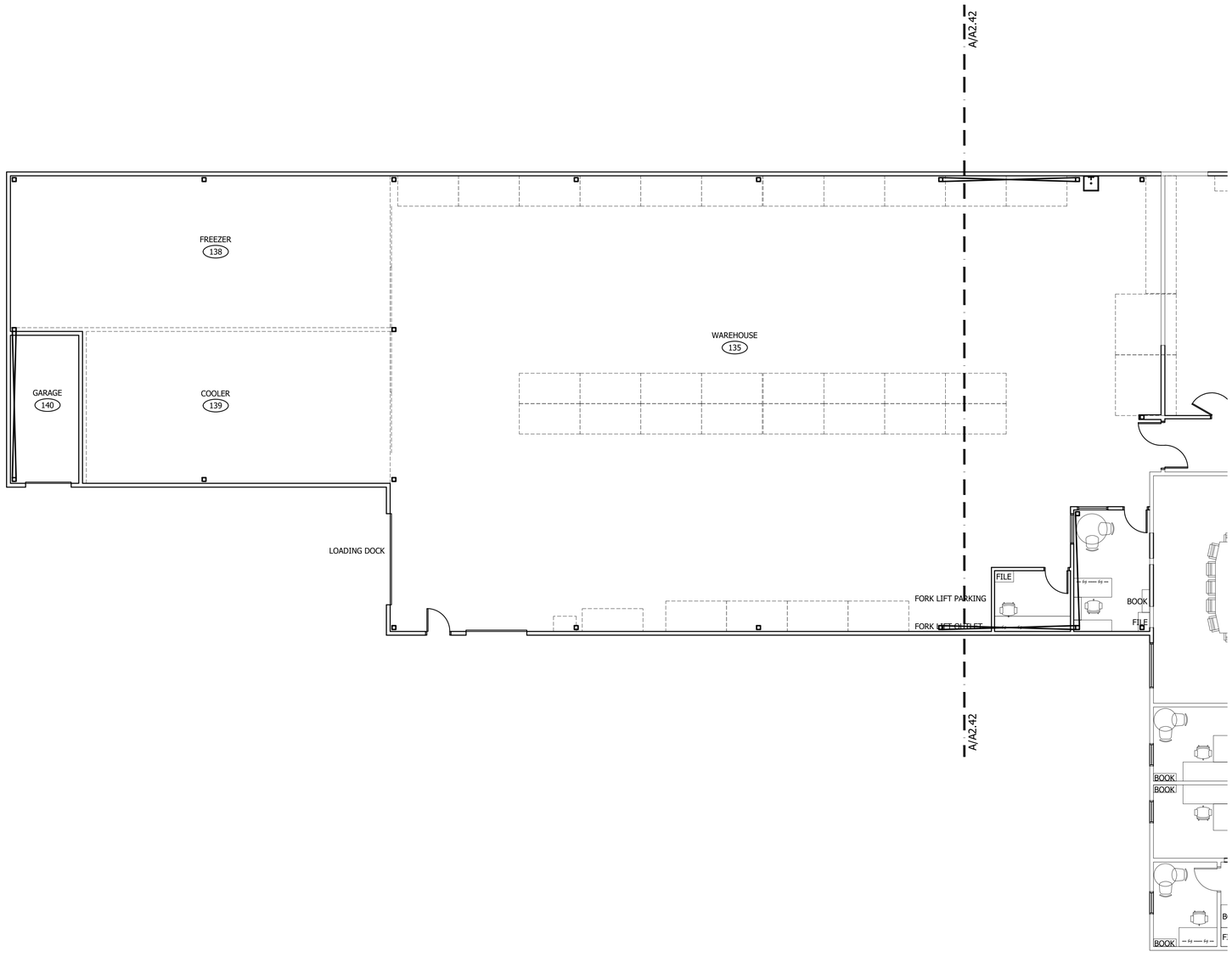

GENERAL NOTES

1. ALL OFFICES TO INCLUDE (1) PHONE AND (1) COMPUTER STATION, TYP. EACH WORKSTATION TO INCLUDE (1) PHONE AND (1) COMPUTER STATION, TYP. COORDINATE WITH OWNER AND FURNITURE SYSTEMS VENDOR.
2. VERIFY FURNITURE LAYOUT WITH OWNER/VENDOR FOR BACKING REQUIREMENTS.

A PARTIAL EQUIPMENT FLOOR PLAN

A2.41 SCALE: 1/8" = 1'-0"

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PO BOX 628
SPOKANE VALLEY, WA 99037
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PO BOX 3187
PASCO, WA 99301
(509) 547-8262

ELECTRICAL ENGINEER
PICATTI ENGINEERING AND SERVICES LLC
PO BOX 10034
YAKIMA, WA 98909
(509) 248-1447

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INTERIOR REMODEL AND BUILDING ADDITION FOR:
COMMUNITY FOOD BANK
804 ELMVIEW ROAD
ELLENSBURG, WASHINGTON 98926

PROJECT NUMBER: 20008b
DATE: 12/21/2020
DRAWN: ALM
REVISIONS:

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PARTIAL EQUIPMENT FLOOR PLAN

A2.41

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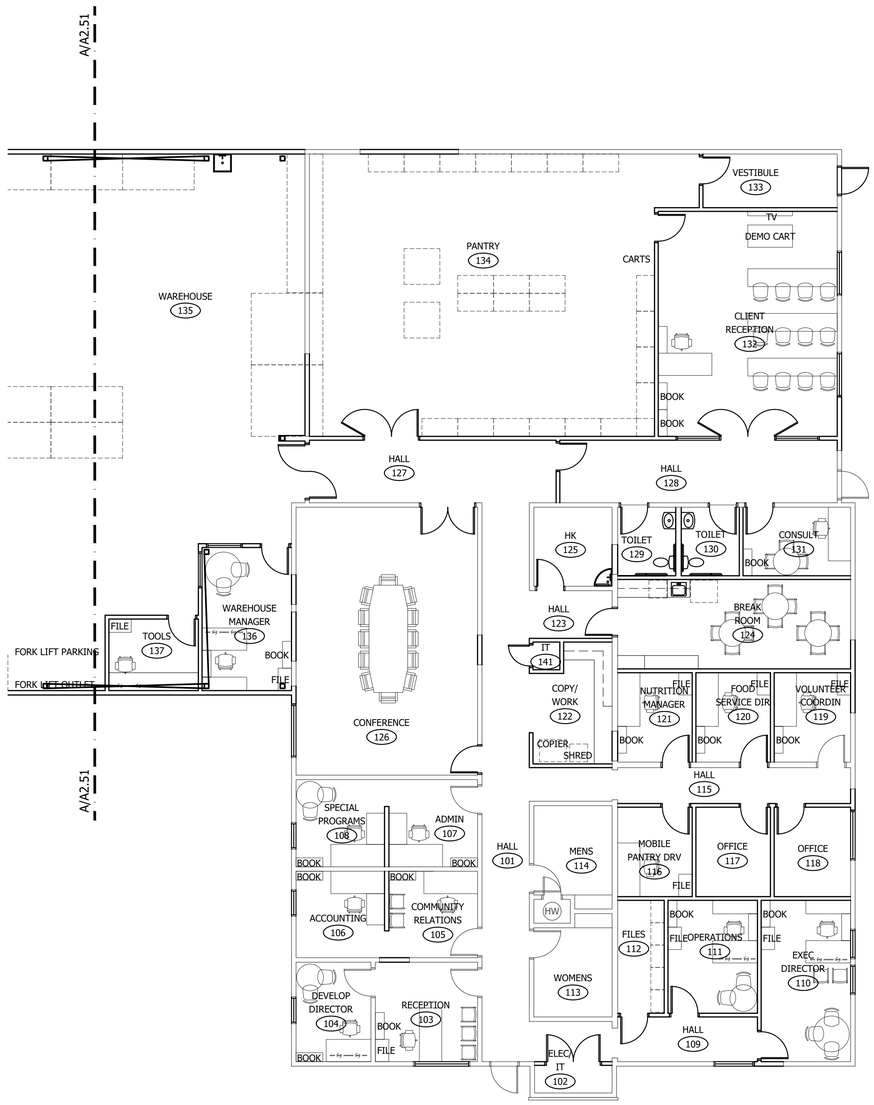
GENERAL NOTES

1. ALL OFFICES TO INCLUDE (1) PHONE AND (1) COMPUTER STATION, TYP. EACH WORKSTATION TO INCLUDE (1) PHONE AND (1) COMPUTER STATION, TYP. COORDINATE WITH OWNER AND FURNITURE SYSTEMS VENDOR.
2. VERIFY FURNITURE LAYOUT WITH OWNER/VENDOR FOR BACKING REQUIREMENTS.



A PARTIAL EQUIPMENT FLOOR PLAN

A2.42 SCALE: 1/8" = 1'-0"

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PO BOX 628
SPOKANE VALLEY, WA 99037
(509) 456-6800

www.brdstudio.com

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PACIFIC ENGINEERING & DESIGN PLLC
200 SOUTH COLUMBIA, SUITE 300
WENATCHEE, WA 98801
(509) 662-1161

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PACIFIC ENGINEERING & DESIGN PLLC
200 SOUTH COLUMBIA, SUITE 300
WENATCHEE, WA 98801
(509) 662-1161

MECHANICAL ENGINEER
ROUTH CONSULTING ENGINEERS INC
PO BOX 3187
PASCO, WA 99301
(509) 547-8262

ELECTRICAL ENGINEER
PICATTI ENGINEERING AND SERVICES LLC
PO BOX 10034
YAKIMA, WA 98909
(509) 248-1447

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INTERIOR REMODEL AND BUILDING ADDITION FOR:

xFISH

COMMUNITY FOOD BANK

804 ELMVIEW ROAD
ELLENSBURG, WASHINGTON 98926

PROJECT NUMBER: 20008b
DATE: 12/21/2020
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REVISIONS:

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PARTIAL EQUIPMENT
FLOOR PLAN

A2.42

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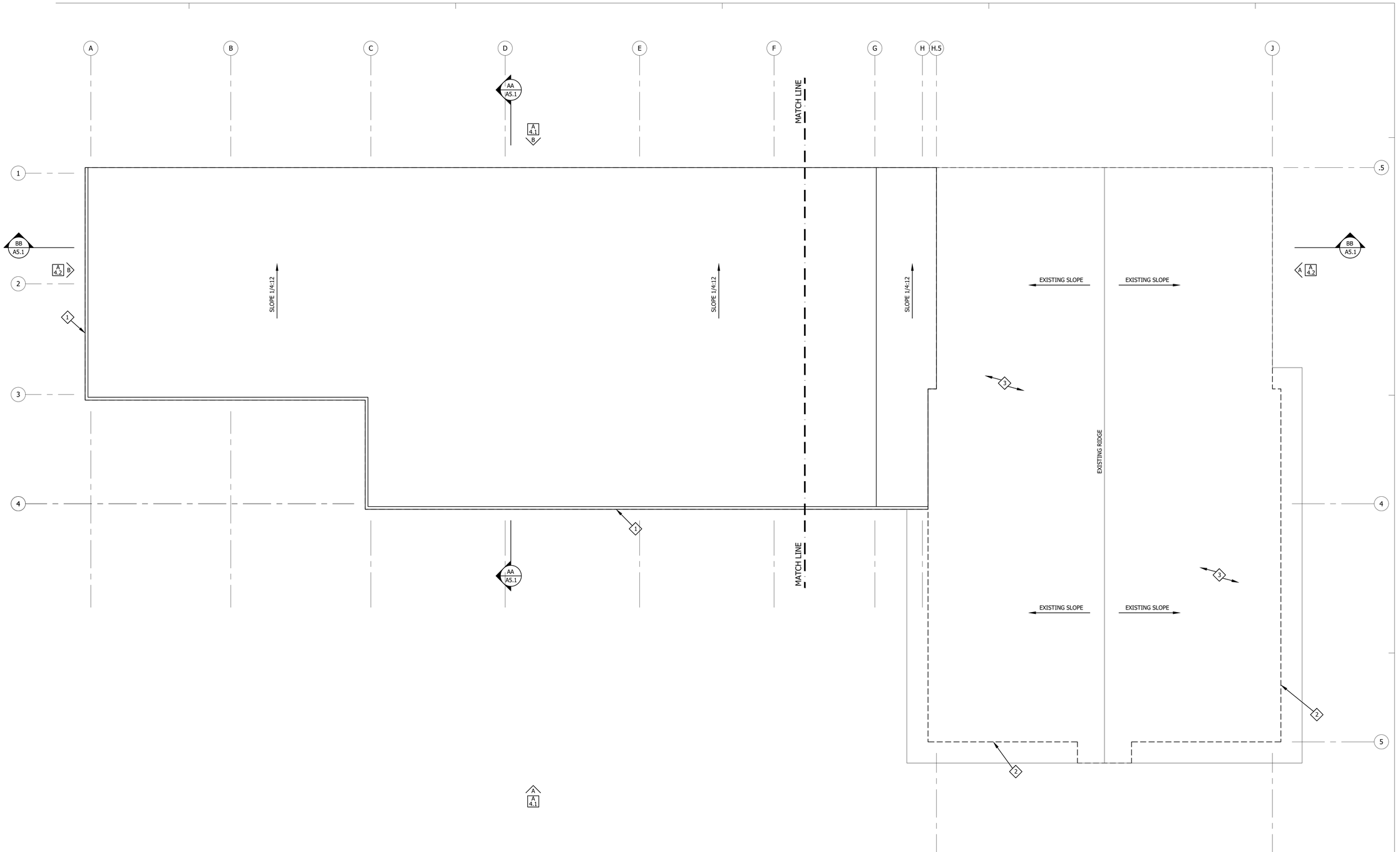

CODED NOTES

1. BUILDING FOOTPRINT/ROOF LINE, TYP.
2. EXISTING BUILDING FOOTPRINT LINE, TYP.
3. EXISTING BUILDING ROOF.
4.
5.

GENERAL NOTES

1. MINIMUM NEW ROOF SLOPE IS x:xx, UNO.
2. COORDINATE MECHANICAL ROOF PENETRATIONS WITH MECHANICAL DRAWINGS.
3. SEE STRUCTURAL DRAWINGS FOR ROOF FRAMING PLAN.
4. CRICKET ROOF AS REQUIRED TO ELIMINATE POOLING.
5. ROOF INSULATION MINIMUM R-38 OVER OCCUPIED SPACE.
6. SEE DETAIL x/A8.1 FOR TYPICAL ROOF VENT.

A ROOF PLAN

A2.60 SCALE: 1/8" = 1'-0"

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PO BOX 628
SPOKANE VALLEY, WA 99037
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200 SOUTH COLUMBIA, SUITE 300
WENATCHEE, WA 98801
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PO BOX 3187
PASCO, WA 99301
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ROOF PLAN

A2.60

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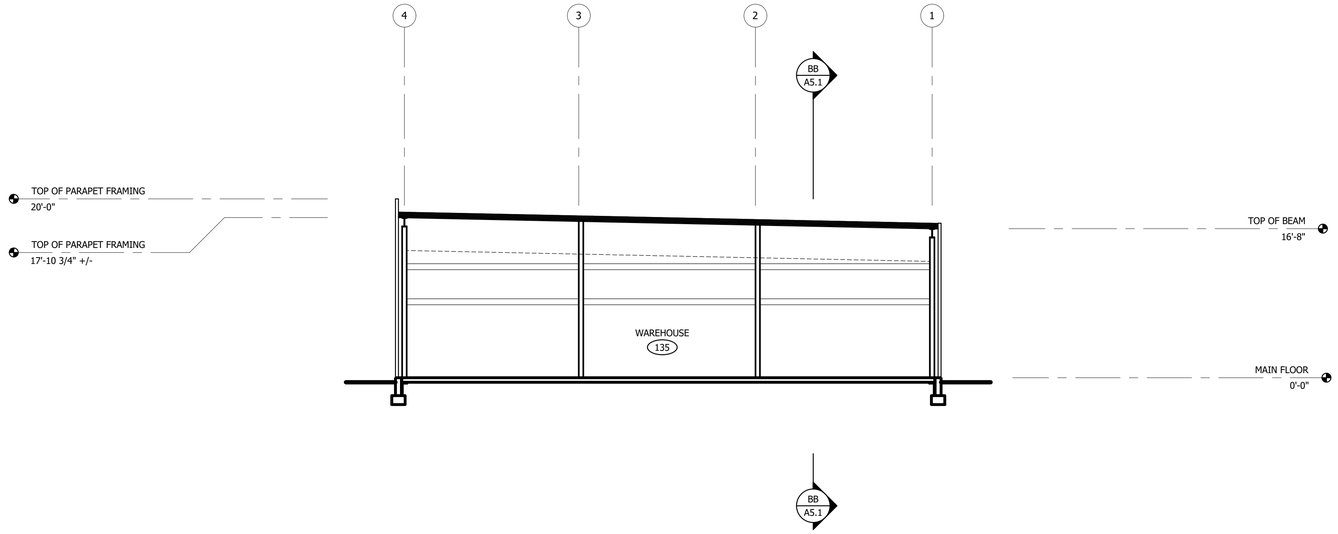

AA BUILDING SECTION

A5.1 1/8" = 1'-0"

BB BUILDING SECTION

A5.1 1/8" = 1'-0"

GENERAL NOTES

1. CONTRACTOR IS TO VERIFY ALL EXISTING FIELD CONDITIONS AND DIMENSIONS PRIOR TO BEGINNING WORK. NOTIFY ARCHITECT IMMEDIATELY IF THERE ARE ANY DISCREPANCIES.
2. PERFORM ALL WORK IN ACCORDANCE WITH APPLICABLE CODES AND REGULATIONS AT THE TIME OF CONSTRUCTION.
3. GRIDLINES ARE TYPICALLY CENTERLINE OF STRUCTURAL COLUMNS, FACE OF CONCRETE OR FACE OF STUD, UNLESS NOTED OTHERWISE.
4. EXTERIOR JOINTS AT WINDOWS, OPENINGS AT PENETRATIONS OF UTILITY SERVICES THROUGH WALLS AND ROOFS AND ALL OTHER OPENINGS IN THE BUILDING ENVELOPE SHALL BE SEALED, CAULKED, GASKETED OR WEATHER-STRIPPED TO LIMIT AIR LEAKAGE.
5. PROVIDE EXPANSION JOINTS BETWEEN ALL CONCRETE WALKS AND BUILDING / EXTERIOR WALLS.
6. ALL EXPOSED EXTERIOR SURFACES, EXCLUDING MASONRY, FACTORY FINISHED AND GALVANIZED METALS, ARE TO BE PAINTED OR STAINED/SEALED AS SPECIFIED UNLESS SPECIFICALLY NOTED OTHERWISE.
7. ALL FLASHING IS TO BE FACTORY FINISHED - COLOR TBD FROM MANUFACTURER'S STANDARD COLOR CHART.
8. MAINTAIN MINIMUM 6" EXPOSED CONCRETE FACE ADJACENT GRADE, TYP.

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PO BOX 3187
PASCO, WA 99301
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INTERIOR REMODEL AND BUILDING ADDITION FOR:

XFISH

COMMUNITY FOOD BANK

804 ELMVIEW ROAD
ELLENSBURG, WASHINGTON 98926

PROJECT NUMBER: 20008b
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BUILDING SECTIONS

A5.1

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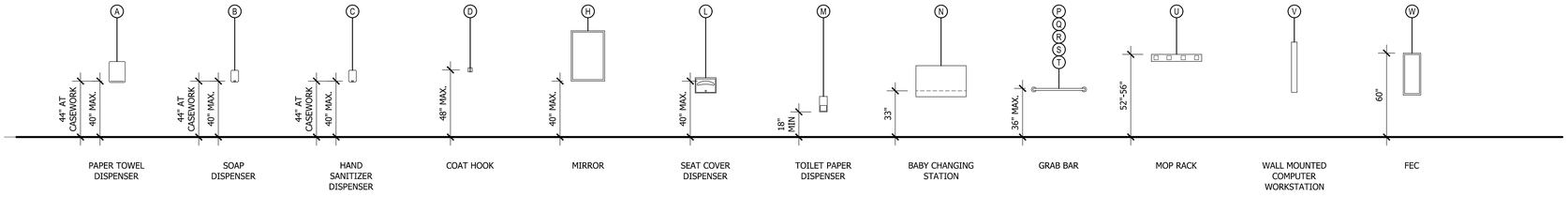

TYP MOUNTING HEIGHTS

GENERAL NOTES

1. TYPICAL INSTALLATION MOUNTING HEIGHTS, ARRANGEMENTS AND ABBREVIATIONS ARE SHOWN, UNLESS NOTED OTHERWISE.
2. REFER TO FLOOR PLANS AND INTERIOR ELEVATIONS FOR SPECIFIC LOCATION CONFIGURATIONS. CONTRACTOR TO VERIFY ALL REQUIRED CLEARANCES AND FIELD COORDINATE ACCESSORY PLACEMENT WITH OWNER.
3. ALL ACCESSORIES ARE TO BE INSTALLED BY THE CONTRACTOR, UNLESS NOTED OTHERWISE. PROVIDE AND INSTALL STAND-OFFS AS REQUIRED AT MATERIAL TRANSITIONS AS REQUIRED.
4. CONTRACTOR TO PROVIDE AND INSTALL BLOCKING FOR EACH ACCESSORY AS REQUIRED.
5. ALL ACCESSORIES ARE OPEN TO APPROVED EQUAL SUBSTITUTIONS.

ACCESSORY SCHEDULE

I.D. #	DESCRIPTION	MODEL NUMBER	REMARKS	GENERAL LOCATION
A	PAPER TOWEL DISPENSER	PROVIDED BY OWNER	SURFACE MOUNTED	TOILET ROOMS
B	SOAP DISPENSER	PROVIDED BY OWNER	SURFACE MOUNTED	TOILET ROOMS
C	HAND SANITIZER DISPENSER	PROVIDED BY OWNER	SURFACE MOUNTED	
D	COAT HOOK	BOBRICK #B-76717	FINISH - SS (SATIN)	TOILET ROOMS, OFFICES
E	NOT USED			
F	NOT USED			
G	NOT USED			
H	MIRROR - 24X36	BOBRICK #B-292 2436	SURFACE MOUNTED, FINISH -SS (SATIN)	TOILET ROOMS
I	NOT USED			
J	NOT USED			
K	NOT USED			
L	SEAT COVER DISPENSER	PROVIDED BY OWNER	SURFACE MOUNTED	TOILET ROOMS
M	TOILET PAPER DISPENSER	PROVIDED BY OWNER	SURFACE MOUNTED	TOILET ROOMS
N	BABY CHANGER	KB200-05	SURFACE MOUNTED	TOILET ROOMS
O	NOT USED			
P	GRAB BAR - 18"	BOBRICK #B-5806-18"	FINISH - SS (SATIN)	TOILET ROOMS
Q	GRAB BAR - 24"	BOBRICK #B-5806-24"	FINISH - SS (SATIN)	TOILET ROOMS
R	GRAB BAR - 30"	BOBRICK #B-5806-30"	FINISH - SS (SATIN)	TOILET ROOMS
S	GRAB BAR - 36"	BOBRICK #B-5806-36"	FINISH - SS (SATIN)	TOILET ROOMS
T	GRAB BAR - 42"	BOBRICK #B-5806-42"	FINISH - SS (SATIN)	TOILET ROOMS
U	MOP RACK		SURFACE MOUNTED	HOUSEKEEPING
V	WALL MOUNTED COMPUTER WORKSTATION	PROVIDED BY OWNER	SURFACE MOUNTED	
W	FIRE EXTINGUISHER		SEMI-RECESSED	HALLS

BLUE ROOM

BLUE ROOM ARCHITECTURE & DESIGN, P.S.

HISTORIC SALTESE SCHOOLHOUSE
PO BOX 628
SPOKANE VALLEY, WA 99037
(509) 456-6800

www.brdstudio.com

CIVIL ENGINEER
PACIFIC ENGINEERING & DESIGN PLLC
200 SOUTH COLUMBIA, SUITE 300
WENATCHEE, WA 98801
(509) 662-1161

STRUCTURAL ENGINEER
PACIFIC ENGINEERING & DESIGN PLLC
200 SOUTH COLUMBIA, SUITE 300
WENATCHEE, WA 98801
(509) 662-1161

MECHANICAL ENGINEER
ROUTH CONSULTING ENGINEERS INC
PO BOX 3187
PASCO, WA 99301
(509) 547-8262

ELECTRICAL ENGINEER
PICATTI ENGINEERING AND SERVICES LLC
PO BOX 10034
YAKIMA, WA 98909
(509) 248-1447

DRAFT

INTERIOR REMODEL AND BUILDING ADDITION FOR:

FISH

COMMUNITY FOOD BANK

804 ELMVIEW ROAD
ELLENSBURG, WASHINGTON 98926

PROJECT NUMBER: 20008b
DATE: 11/16/2020
DRAWN: ALM
REVISIONS:

SCHEMATIC DESIGN
NOT FOR CONSTRUCTION

TYPICAL MOUNTING HEIGHTS/ ACCESSORY SCHEDULE

A6.1

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STRUCTURAL NOTES:

APPLY THE FOLLOWING MINIMUM SPECIFICATIONS UNLESS NOTED OTHERWISE ON THE CONSTRUCTION DOCUMENTS.

REFERENCE CODE:
INTERNATIONAL BUILDING CODE, 2015 – LATEST EDITION REFERS TO CURRENT LOCALLY ADOPTED EDITION OF THE INTERNATIONAL BUILDING CODE.

DESIGN DATA:
SNOW LOAD:

GROUND SNOW LOAD, P_g	: 43 PSF
SNOW EXPOSURE FACTOR, C_e	: 1.0
SNOW LOAD IMPORTANCE FACTOR, I	: 1.0
THERMAL FACTOR, C_t	: 1.0
DESIGN ROOF SNOW LOAD	: 34 PSF (PROVIDED BY JURISDICTION)

ROOF LOADS:

ROOF SNOW LOAD	: 35 PSF
ROOF DEAD LOAD	: 15 PSF
TOTAL	: 50 PSF

WIND DESIGN DATA:

WIND DESIGN DATA	: MWFRS DIRECTIONAL PROCEDURE
ULTIMATE DESIGN WIND SPEED	: VULT = 110 MPH (RISK CATEGORY II BLDG.)
EXPOSURE CATEGORY	: C
ENCLOSURE CATEGORY	: ENCLOSED

SEISMIC DESIGN DATA:

SEISMIC IMPORTANCE FACTOR, I	: 1.0
RISK CATEGORY	: II
MAPPED SPECTRAL RESPONSE ACCELERATIONS	: S_S = 0.51
	: S_1 = 0.17
SITE CLASS	: D (ASSUMED)
SPECTRAL RESPONSE COEFFICIENTS	: S_{DS} = 0.47
	: S_{D1} = 0.24
SEISMIC DESIGN CATEGORY	: D
BASIC SEISMIC FORCE–RESISTING SYSTEM	: STEEL ORDINARY CONCENTRICALLY BRACED FRAMES
SEISMIC RESPONSE COEFFICIENT(S), C_s	: 0.10
RESPONSE MODIFICATION FACTOR(S), R	: 3¼
ANALYSIS PROCEDURE USED	: EQUIVALENT LATERAL FORCE

ASSUMED SOIL PROPERTIES:

ALLOWABLE SOIL BEARING PRESSURE	:1500 PSF
PASSIVE PRESSURE	: 200 PSF/FT
ACTIVE PRESSURE (UNRESTRAINED)	: 35 PSF/FT
ACTIVE PRESSURE (RESTRAINED)	: 55 PSF/FT
SOIL UNIT WEIGHT	: 100 PCF
COEFFICIENT OF FRICTION	: 0.35
SPECIAL LOADS	: NONE

SYSTEMS AND COMPONENTS REQUIRING SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE SEE SHEET S1.1.

REQUIRED SHOP DRAWINGS:
STRUCTURAL STEEL
REINFORCING STEEL
CONCRETE MIX DESIGN
STEEL JOISTS AND DECK

STRUCTURAL TESTS AND INSPECTIONS:
STRUCTURAL TESTS AND INSPECTIONS SHALL BE PERFORMED AS REQUIRED BY CHAPTER 17, INTERNATIONAL BUILDING CODE, AS REQUIRED BY THE LOCAL BUILDING OFFICIAL AND AS SPECIFICALLY REQUIRED IN THE CONSTRUCTION DOCUMENTS. SEE SHEET S1.1 FOR ADDITIONAL INFORMATION.

FOUNDATIONS:
MAXIMUM ALLOWABLE SOIL BEARING PRESSURE IS 1,500 PSF (ASSUMED). AN ENGINEERED SOIL REPORT IS RECOMMENDED TO VERIFY ACTUAL SOIL BEARING PRESSURE AND OTHER SOIL DESIGN CRITERIA. IF OWNER CHOOSES TO FOREGO A SOIL REPORT, HE ASSUMES THE RISKS ASSOCIATED WITH THE FOUNDATION DESIGN UTILIZING THE ASSUMED VALUES.

EXTERIOR FOOTINGS SHALL BEAR 2'–0" MINIMUM BELOW NEAREST EXTERIOR FINISH GRADE (U.N.O.). ALL FOOTINGS SHALL BEAR ON FIRM UNDISTURBED EARTH OR ENGINEERED FILL BELOW ORGANIC SURFACE SOILS. ALL BACKFILL SHALL BE THOROUGHLY COMPACTED. DO NOT BACKFILL RETAINING WALLS FOR 21 DAYS OR UNTIL CONCRETE REACHES DESIGN STRENGTH PER CYLINDER TESTS.

CONCRETE:
MIXING, PLACING, AND DESIGN OF ALL CONCRETE SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "INTERNATIONAL BUILDING CODE," ACI 318, AND ACI 301. CONCRETE SHALL BE MADE WITH PORTLAND CEMENT ASTM C150 TYPE I OR TYPE II, COARSE AND FINE AGGREGATE ASTM C33, WATER CLEAN AND POTABLE, POZZOLITH OR POZZOLITH POLYHEED ADMIXTURE ASTM C494. COARSE AGGREGATE FOR 6" SLABS SHALL BE 1–1/2" MINUS. COARSE AGGREGATE FOR 4" SLABS SHALL BE 1" MINUS.

THE AMBIENT TEMPERATURE MUST BE 40 DEGREES FAHRENHEIT AND RISING TO PLACE ANY CONCRETE UNLESS IT IS INSULATED OR HEATED TO MAINTAIN AT LEAST 50 DEGREES FAHRENHEIT FOR SEVEN DAYS. CONCRETE CONTAINING "POZZUTEC 20" AT 60 TO 90 OUNCES PER 100 LBS. OF CEMENT MAY BE PLACED IN AMBIENT TEMPERATURES AS LOW AS 20 DEGREES FAHRENHEIT UNTIL INITIAL SET HAS BEEN REACHED. AMBIENT TEMPERATURES MAY FALL BELOW 20 DEGREES FAHRENHEIT AFTER INITIAL SET HAS BEEN REACHED AND THE HARDENED CONCRETE HAS BEEN SEALED TO PREVENT THE INGRESS OF ADDITIONAL WATER.

RECOMMENDED CURING OF CONCRETE SLABS SHALL CONSIST OF WET CURING WITH BURLAP AND VISQUEEN (OR EQUAL) FOR A PERIOD OF NOT LESS THAN SEVEN DAYS. SLAB SHALL NOT BE ALLOWED TO DRY DURING THIS PERIOD. IF THE CONTRACTOR CHOOSES AN ALTERNATE METHOD OF CURING, HE ASSUMES THE RISK ASSOCIATED WITH THE ALTERNATE METHOD.

MATERIALS:

USE	MINIMUM F'C AT 28 DAYS	MAXIMUM SLUMP INCHES[1]	MAXIMUM WATER CEMENT RATIO[2] NON–AIR–ENT	AIR–ENT	MINIMUM[3] SACKS/C.Y.
FOOTINGS/FOUNDATION WALLS	3000	5	.58	–	5
RETAINING WALLS	3000	5	.58	–	5
INTERIOR SLABS ON GRADE	3500	4	.51	–	5–1/2
SLABS ON VAPOR BARRIER	4500	4	.42	–	6
EXTERIOR SLABS ON GRADE	4500	4	–	.45	5–1/2
ALL STRUCTURAL CONCRETE	3000	5	.58	.46	5
SETTING BEARING PLATES	5000[4]	–	–	–	–

NOTE: THESE SUGGESTED RATIOS ARE PRESENTED AS A GUIDELINE FOR BATCH PLANT OPERATOR TO DETERMINE FINAL MIX DESIGN. ALTERNATE MIXES MAY BE UTILIZED WHEN PAST PERFORMANCE OF SAID MIX HAS PROVEN TO MEET REQUIRED STRENGTH AND SERVICEABILITY REQUIREMENTS.

1. MAXIMUM SLUMP SHALL BE SLUMP CORRESPONDING TO MAXIMUM WATER/CEMENT RATIO OR AS INDICATED ABOVE WHICHEVER IS LESS. CONTRACTOR MAY ADD JOB SITE WATER TO THE CONCRETE MIX ONLY IF BATCH TICKET PROVIDES QUANTITY OF WATER (IN GALLONS ALLOWED) SO AS TO NOT EXCEED SPECIFIED CONCRETE WATER/CEMENT RATIO. AT CONTRACTOR'S OPTION, CONTRACTOR MAY USE MASTER BUILDERS INC. ADMIXTURE SYSTEMS TO PRODUCE FLOWABLE CONCRETE. MAXIMUM SLUMP WITH ADMIXTURES SHALL NOT EXCEED EIGHT INCHES. THE WATER/CEMENT RATIO OF THE APPROVED MIXES SHALL BE MAINTAINED OR LOWERED WHEN FLOWABLE CONCRETE IS USED. A MASTER BUILDERS CONCRETE TECHNICIAN SHALL ASSIST IN DETERMINING MIX PROPORTIONS FOR FLOWABLE CONCRETE.

2. ADD TO ALL CONCRETE FLATWORK EXPOSED TO ANY FREEZE/THAW CYCLES, MASTER BUILDERS MASTERAIR AE 90 AIR ENTRAINING AGENT TO ATTAIN 7 PERCENT ENTRAINED AIR, BY VOLUME, CONFORMING TO ASTM C260. AIR CONTENT SHALL BE CROSS CHECKED BY A UNIT WEIGHT OF THE SAME CONCRETE SAMPLE. ADJUST AIR AS REQUIRED TO CONFORM WITH ACI 318 TABLE 19.3.3–1 FOR MAXIMUM AGGREGATE SIZE.

3. SACKS OF CEMENT/CUBIC YARD ARE LISTED AS MINIMUM. ADDITIONAL CEMENT OR ADMIXTURES SHALL BE USED TO ATTAIN MAXIMUM WATER/CEMENT RATIO WHERE REQUIRED.

4. FOR BASE PLATE OR EQUIPMENT GROUT USE MASTER BUILDERS MASTERFLOW 928 OR EQUAL. GROUTING MAY BE PERFORMED WITH AMBIENT TEMPERATURES BETWEEN 40 DEGREES FAHRENHEIT AND 100 DEGREES FAHRENHEIT. FOR DYNAMIC BASE PLATE AND EQUIPMENT GROUT USE MASTER BUILDERS MASTERFLOW 885.

VAPOR BARRIER:
VAPOR BARRIER SHALL CONFORM TO ASTM E1745 CLASS A OR ASTM E1993 WITH A PERMEANCE OF 0.01 PERMS OR LESS AND SHALL NOT BE POLYETHYLENE BASED. VAPOR BARRIER SHALL BE 15–MIL STEGO WRAP VAPOR BARRIER BY STEGO INDUSTRIES OR PRECON BY W.R. MEADOWS OR APPROVED EQUAL. INSTALL VAPOR BARRIER DIRECTLY UNDER ALL INTERIOR SLABS ON GRADE IN ACCORDANCE WITH ASTM E1643 AND MANUFACTURER RECOMMENDATIONS. EXTEND CONTINUOUS VAPOR BARRIER ALONG SIDEWALLS OF AND UNDER SLAB DEPRESSIONS. LAP JOINTS 6 INCHES MINIMUM AND SEAL WATERTIGHT BY ADHESIVE OR TAPE AS RECOMMENDED BY MANUFACTURER. SEAL ALL PENETRATIONS, BLOCKOUTS, AND MEMBRANE PERIMETER WITH TAPE AND MASTIC AS RECOMMENDED BY MANUFACTURER TO CREATE A CONTINUOUS SEALED BARRIER. REPAIR ALL PUNCTURES OR DAMAGE TO VAPOR BARRIER IMMEDIATELY PRIOR TO CONCRETE POUR IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS. BARRIER SHALL NOT BE PUNCTURED DURING PREPARATION, CONCRETE POUR, OR FINISH WORK.

REINFORCING STEEL:
REINFORCING STEEL SHALL BE OF NEW BILLET STOCK ASTM A615–90, GRADE 60, FY=60,000 PSI EXCEPT #3 BARS SHALL BE GRADE 40. WELDED WIRE REINFORCEMENT (WWR) SHALL BE ASTM A1064, 4 X 4 – W2.9 X W2.9 SMOOTH WIRE. REINFORCING STEEL SHALL BE SECURELY TIED IN PLACE WITH #16 DOUBLE ANNEALED IRON WIRE. REINFORCING STEEL AND WELDED WIRE REINFORCEMENT SHALL BE SUPPORTED ON WELL CURED CONCRETE BLOCKS OR CHAIRS. ALTERNATE HOOK DIRECTION AT ALL TIES. REINFORCING STEEL SHALL BE DETAILED BY AN EXPERIENCED DETAILER IN ACCORDANCE WITH ACI 315 "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE," EXCEPT AS SHOWN. SEE 1/– FOR REBAR FABRICATION DETAILS. SHOP DRAWINGS INCLUDING PLACING PLANS SHALL BE SUBMITTED (IF REQUESTED) FOR REVIEW PRIOR TO FABRICATION. ALL LAP SPLICES SHALL BE ?CLASS B? SPLICES WITH A MINIMUM LAP LENGTH OF 45 BAR DIAMETERS FOR #6 AND SMALLER BARS, AND 58 BAR DIAMETERS FOR #7 AND #8 BARS. MECHANICAL SPLICING OF BARS SHALL UTILIZE MECHANICAL COUPLERS THAT DEVELOP A MINIMUM OF 125% OF THE SPECIFIED YIELD STRENGTH OF THE REINFORCING BAR. COUPLERS SHALL CONFORM TO ACI 318 AND AASHTO REQUIREMENTS. CONTRACTOR SHALL SUBMIT MECHANICAL COUPLER PRODUCT INFORMATION FOR REVIEW PRIOR TO CONSTRUCTION. LAP ADJOINING PIECES OF WELDED WIRE REINFORCEMENT (SIDES AND ENDS) AT LEAST 12" OR ONE FULL MESH SPACING PLUS 2", WHICHEVER IS GREATER. OFFSET END LAPS IN ADJACENT WIDTHS TO PREVENT CONTINUOUS LAPS IN EITHER DIRECTION.

REINFORCING SHALL BE WITHIN 1/2" TOLERANCE OF CLEAR DISTANCE SHOWN ON CONSTRUCTION DOCUMENTS. WET–SETTING OF REINFORCING STEEL IS NOT ACCEPTABLE.

CONCRETE COVER FOR REINFORCING PLACEMENT SHALL BE:

3" FOR CONCRETE POURED AGAINST EARTH;
2" FOR FORMED CONCRETE WITH EARTH BACKFILL;
1–1/2" FOR SLABS ON MOISTURE BARRIER.

WALLS:

	THICKNESS	HORIZONTAL	VERTICAL
REINFORCING (GRADE 60)	6" WALL & UNDER	#4 @ 16" O.C.	#4 @ 18" O.C.
	8" WALL	#5 @ 18" O.C.	#5 @ 18" O.C.
	ALL OTHER WALLS	.20 OF 1%	.12 OF 1%

PROVIDE #3 HAIRPIN BARS WITH 12" LEGS AT 6" O.C. (MINIMUM) AT HEAD OF ALL OPENINGS. PROVIDE 2–#5 EXTRA BARS EXTENDING 25" (MINIMUM) BEYOND CORNERS AT TOP, BOTTOM, AND EACH SIDE OF OPENING. USE (2) #5 X 4'–0" DIAGONAL AT EACH CORNER EXCEPT FOR 6" WALLS USE (1) #5 DIAGONAL AT EACH CORNER. AT WALL CORNERS AND INTERSECTIONS, EXTEND HORIZONTAL WALL REINFORCING TO 2" FROM OUTSIDE FACE AND LAP WITH ELBOW BARS OF SAME SIZE AND SPACING. LAP OUTSIDE FACE ONLY AT CORNERS. WALL STUBS SHALL BE SAME SIZE AND SPACING AS VERTICAL STEEL.

EPOXY GROUTING:
THE CONTRACTOR SHALL EPOXY GROUT BARS (REBAR, DOWELS, AND THREADED RODS) TO THE DEPTH IN EXISTING CONCRETE OR MASONRY AS INDICATED IN THE PLANS. HOLE DIAMETER SHALL BE PER MANUFACTURER'S WRITTEN INSTRUCTIONS. EPOXY GROUT FOR EXISTING CONCRETE SHALL BE SIMPSON "SET–XP", HILTI "HIT–HY 200", OR APPROVED EQUAL. EPOXY GROUT FOR EXISTING CONCRETE MASONRY SHALL BE SIMPSON "SET–XP", HILTI "HIT–HY270", OR APPROVED EQUAL. DUST AND DEBRIS FROM THE DRILLING OPERATION SHALL BE CLEANED AND BLOWN FREE FROM THE HOLE PRIOR TO THE PLACEMENT OF THE EPOXY. EPOXY GROUT SHALL BE MIXED AND PLACED AS PER MANUFACTURER'S WRITTEN INSTRUCTIONS. BARS SHALL BE INSERTED INTO THE HOLE WITHIN THE MANUFACTURER'S RECOMMENDED TIME PERIOD. ANY BARS WHICH ARE NOT SECURELY GROUTED SHALL BE REPLACED WITH PROPERLY GROUTED BARS.

THE INSTALLATION AND INSPECTION REQUIREMENTS OF ACI 318–14 SECTIONS 17.8.2.2, 17.8.2.3 AND 17.8.2.4 (WHICH LIST REQUIREMENTS FOR ADHESIVE ANCHORS INSTALLED HORIZONTALLY OR VERTICALLY) SHALL APPLY TO VERTICALLY DOWNWARD PLACED ANCHORS. ALL INSTALLERS AND THE SPECIAL INSPECTOR MUST BE TRAINED BY THE EPOXY MANUFACTURER FOR INSTALLATION OF DEEPLY EMBEDDED ADHESIVE ANCHORS USING THE HILTI PISTON PLUG DELIVERY SYSTEM AND INSTALLED TO RESIST SUSTAINED TENSION LOADS. CONTINUOUS SPECIAL INSPECTION IN ACCORDANCE WITH TABLE 1705.3 OF THE 2015 IBC SHALL BE PROVIDED TO ASSURE HOLE PREPARATION AND EPOXY INSTALLATION IS ACCOMPLISHED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

HOLLOW MASONRY UNIT (CMU):
ALL HOLLOW CONCRETE MASONRY MATERIALS AND PLACEMENT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "INTERNATIONAL BUILDING CODE (IBC)" AND TMS 602/ACI 530/ASCE 6 (TMS 602). MASONRY ASSEMBLAGES SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF F'M = 2000 PSI. THE MASONRY ASSEMBLAGE SHALL CONSIST OF THE COMBINATION OF THE MASONRY UNITS, MORTAR, AND GROUT MATERIALS. WHERE THE TESTING OF THE MASONRY ASSEMBLAGE IS REQUIRED, INSPECTION AND TESTING SHALL CONFORM TO AN IBC SECTION 2105 QUALITY ASSURANCE PROGRAM COMPLYING WITH THE INSPECTION AND TESTING REQUIREMENTS OF IBC CHAPTER 17 AND TMS 602.

ALL CONCRETE MASONRY UNITS SHALL CONFORM TO IBC SECTION 2103 AND ASTM C90. THE UNIT STRENGTH SHALL EQUAL OR EXCEED THAT REQUIRED TO OBTAIN THE SPECIFIED MASONRY ASSEMBLY STRENGTH FOR TYPE S MORTAR.

ALL MASONRY MORTAR SHALL CONFORM TO IBC SECTION 2103 AND ASTM C270 TYPE S. MIXING OF MORTAR SHALL CONFORM TO TMS 602 ARTICLE 2.6A.

ALL MASONRY GROUT SHALL CONFORM TO IBC SECTION 2103 AND ASTM C476. GROUT SHALL HAVE COMPRESSIVE STRENGTH EQUAL TO OR GREATER THAN F'M. THE COMPRESSIVE STRENGTH OF GROUT SHALL BE DETERMINED IN ACCORDANCE WITH ASTM C1019. GROUT SLUMP AT THE TIME OF THE GROUTING SHALL EXCEED 8 INCHES TO ASSURE FILLING OF ALL CELLS TO BE GROUTED. PROPORTIONING OF SELF CONSOLIDATING GROUT AT THE PROJECT SITE IS NOT PERMITTED. WATER MAY NOT BE ADDED ON SITE EXCEPT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. TESTS OF GROUT (IF REQUESTED) SHALL BE PERFORMED IN ACCORDANCE WITH IBC SECTION 2105.

SPECIFIED MASONRY ASSEMBLAGE NET COMPRESSIVE STRENGTH, F'M (PSI) WITH TYPE S MORTAR	NET MINIMUM COMPRESSIVE STRENGTH OF BLOCK UNITS (PSI)
2000	2000

NO ADDITIVES OR OTHER CHEMICALS ARE TO BE ADDED TO THE DESIGN MIX WITHOUT APPROVAL BY THE ENGINEER. ADMIXTURES SHALL NOT BE ADDED TO SELF CONSOLIDATING GROUT.

MASONRY SHALL BE LAID UP IN RUNNING BOND UNLESS SHOWN OR OTHERWISE NOTED. ALL MORTAR JOINTS SHALL BE FULLY COMPACTED BY JOINTING TO ASSURE TIGHT MORTAR JOINTS. ALL HEAD AND BED JOINTS SHALL BE FILLED SOLIDLY WITH MORTAR FOR A DISTANCE NOT LESS THAN THE THICKNESS OF THE SHELL MEASURED FROM THE FACE OF THE UNIT. THICKNESS OF BED JOINTS SHALL NOT EXCEED 5/8?. ALL CELLS, BOND BEAMS, AND LINTEL BLOCKS CONTAINING REINFORCEMENT SHALL BE FILLED SOLID WITH GROUT. SOLID GROUT ALL MASONRY BELOW GRADE. GROUT SHALL BE CONSOLIDATED BY MECHANICAL VIBRATION DURING PLACING OF GROUT AND RECONSOLIDATED BY MECHANICAL VIBRATION AFTER INITIAL WATER LOSS AND SETTLEMENT.

CONCRETE MASONRY SHALL BE REINFORCED AS SHOWN ON THE PLANS AND DETAILS AND AS NOTED. REINFORCING STEEL SHALL BE OF NEW BILLET STOCK ASTM A615, GRADE 60, FY=60,000 PSI EXCEPT #3 BARS SHALL BE GRADE 40. VERTICAL REINFORCING SHALL BE PLACED ON WALL CENTERLINE EXCEPT WHERE REINFORCING IS SPECIFIED EACH FACE. REINFORCING SHALL BE SECURED AGAINST DISPLACEMENT PRIOR TO GROUTING BY WIRE POSITIONERS OR OTHER SUITABLE DEVICES AT INTERVALS NOT EXCEEDING 200 BAR DIAMETERS. GROUT ALL REINFORCED COURSES IN 5'–4" MAXIMUM LIFTS.

IN ADDITION TO VERTICAL REINFORCING SHOWN ON THE ELEVATIONS AND/OR SCHEDULES, PROVIDE (1) VERTICAL BAR OF SAME SIZE AS VERTICAL WALL REINFORCING AT EDGE OF ALL OPENINGS, WALL INTERSECTIONS, ENDS, AND CORNERS UNLESS OTHERWISE NOTED. VERTICAL BARS SHALL EXTEND FROM THE FOUNDATION TO WITHIN 2" OF THE TOP OF THE TOP COURSE. LAP VERTICAL BARS 48 DIAMETERS MINIMUM.

IN ADDITION TO HORIZONTAL REINFORCING (BOND BEAMS) SHOWN ON THE ELEVATIONS AND/OR SCHEDULES, PROVIDE HORIZONTAL REINFORCING AT ELEVATIONS +0'–0", +4'–0", +8'–0", +12'–0", ETC. AND TOP AND BOTTOM OF WALL. PROVIDE ADDITIONAL HORIZONTAL REINFORCING BELOW ALL OPENINGS AND EXTEND 40 HORIZONTAL BAR DIAMETERS OR 2'–0" MINIMUM BEYOND OPENING WHICHEVER IS GREATER. HORIZONTAL REINFORCING SHALL BE CONTINUOUS BELOW MULTIPLE OPENINGS EXCEPT WHERE DISTANCE BETWEEN OPENINGS EXCEEDS 12 TIMES THE UNIT THICKNESS. LAP HORIZONTAL BARS 40 DIAMETERS MINIMUM. LAP ALL BOND BEAM BARS 2'–6" AROUND CORNERS OR PROVIDE SEPARATE 90 DEGREE HOOKED CORNER BARS 4'–0" LONG EACH LEG.

ALL LINTELS SHALL BE LAID UP USING BOND BEAM BLOCKS WITH BLOCKOUTS REMOVED AT ALL COURSES. ALL LINTELS SHALL BE GROUTED SOLID FULL HEIGHT. HORIZONTAL LINTEL REINFORCING SHALL EXTEND NOT LESS THAN 2'–0" OR 40 BAR DIAMETERS INTO JAMBS. HORIZONTAL LINTEL REINFORCING SHALL BE CONTINUOUS BELOW MULTIPLE OPENINGS EXCEPT WHERE DISTANCE BETWEEN OPENING EXCEEDS 12 TIMES THE UNIT THICKNESS. GROUT JAMBS SOLID FULL LENGTH OF HORIZONTAL LINTEL REINFORCING. LINTELS SHALL BE IN ACCORDANCE WITH THE FOLLOWING SCHEDULE:

CONCRETE MASONRY LINTEL SCHEDULE:

WALL THICKNESS	SPAN	DEPTH	REINFORCING	STIRRUPS
8"	4'–0"	16"	(2)#5 T & B	#4 @ 8" O.C.

THIS SCHEDULE IS MINIMUM UNLESS OTHERWISE NOTED ON THE CONSTRUCTION DOCUMENTS.

HEADED ANCHOR BOLTS SHALL HAVE A STANDARD BOLT HEAD. ANCHOR BOLTS SHALL BE OF AT LEAST A307 QUALITY. ALL ANCHOR BOLTS AND OTHER EMBEDDED ITEMS SHALL BE SET IN SOLID GROUTED CORES. PLACEMENT OF ANCHOR BOLTS AND OTHER EMBEDDED ITEMS THROUGH FACE SHELL SHALL BE IN DRILLED HOLES. SAWCUT HOLES ARE NOT ALLOWED.

ALL MASONRY CONSTRUCTION AND PROTECTION SHALL CONFORM TO THE REQUIREMENTS OF TMS 602 ARTICLE 1.8, INCLUDING COLD WEATHER REQUIREMENTS WHEN TEMPERATURES ARE BELOW 40 DEGREES F AND HOT WEATHER REQUIREMENTS WHEN TEMPERATURES EXCEED 90 F. ANTI–FREEZE OR OTHER AGENTS IN MORTAR FOR COLD WEATHER CONSTRUCTION SHALL NOT BE USED. MASONRY UNITS AND CEMENTITIOUS MATERIALS FOR MORTAR AND GROUT SHALL BE PROTECTED FROM RAIN, GROUNDWATER, AND DUST. PROTECT REINFORCEMENT, TIES, AND METAL ACCESSORIES FROM PERMANENT DISTORTION AND STORE OFF THE GROUND. STORE DIFFERENT AGGREGATES SEPARATELY. DO NOT USE CONTAMINATED OR DAMAGED MASONRY UNITS, DAMAGED PORTIONS OF THE STRUCTURE, OR DAMAGED PACKAGING MATERIAL. AT THE CLOSE OF WORK, COMPLETED MASONRY SHALL BE COVERED AS REQUIRED FOR WEATHER PROTECTION. MASONRY SHALL NOT BE CONSTRUCTED DURING RAIN UNLESS COMPLETE COVERAGE OF WORK IS PROVIDED FOR AT LEAST ONE DAY AFTER PLACEMENT.

WHERE SPECIAL INSPECTION OF MASONRY IS SPECIFIED, SPECIAL INSPECTIONS SHALL CONFORM TO CHAPTER 17 OF THE IBC AND THE QUALITY ASSURANCE PROVISIONS OF TMS 602 ARTICLE 1.6. INSPECTIONS SHALL TAKE PLACE DURING PREPARATION AND TAKING OF ANY REQUIRED PRISMS OR TEST SPECIMENS, AT THE START OF LAYING UNITS, AFTER THE PLACEMENT OF REINFORCING STEEL, GROUT SPACE PRIOR TO EACH GROUTING OPERATION, AND DURING ALL GROUTING OPERATIONS. TAKING OF MASONRY PRISMS TO VERIFY THE COMPRESSIVE STRENGTH OF MASONRY (F'M) SHALL BE REQUIRED WHEN SPECIFIED OR AS REQUIRED BY THE BUILDING OFFICIAL. MASONRY PRISM CONSTRUCTION AND TESTING SHALL CONFORM TO TMS 602 ARTICLE 1.4B.

STRUCTURAL STEEL:
STRUCTURAL STEEL SHALL BE GRADE ASTM A36, FY = 36,000 PSI. WIDE FLANGE AND WT SHAPES SHALL BE GRADE ASTM A992, FY = 50,000 PSI. ROUND HSS SHALL BE ASTM A500, GRADE C, FY = 46,000 PSI. SQUARE AND RECTANGULAR HSS COLUMNS, BEAMS, AND STRUTS SHALL BE GRADE ASTM A500, GRADE C, FY = 50,000 PSI. HEADED STUD CONNECTORS SHALL BE ASTM A108 GRADE 1010 THROUGH 1020 COLD DRAWN LOW CARBON STEEL, HEADED, UNFINISHED WITH MINIMUM FY = 50,000 PSI AND TENSILE STRENGTH OF 55,000 PSI. DEFORMED BAR ANCHORS SHALL BE TYPE D2L AS MANUFACTURED BY "NELSON" OR APPROVED EQUAL AND SHALL CONFORM TO ASTM A108. DESIGN, FABRICATION, AND ERECTION SHALL BE IN ACCORDANCE WITH THE AISC FOURTEENTH EDITION "STEEL CONSTRUCTION MANUAL" AND "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS", LATEST EDITION. ALL STEEL EXCEPT STEEL EMBEDDED IN CONCRETE SHALL BE GIVEN ONE SHOP COAT OF APPROVED PRIMER PAINT AND ONE SHOP COAT OF APPROVED FINISH PAINT. CONTRACTOR SHALL TOUCH UP PAINT ALL AREAS EITHER NOT SHOP PAINTED OR DAMAGED BY FIELD WELDING OR OTHERWISE DAMAGED. DURING ERECTION, STRUCTURAL STEEL SHALL BE SECURED FROM COLLAPSING WITH TEMPORARY BRACING. SHOP DRAWINGS SHALL BE SUBMITTED (IF REQUESTED) FOR ALL STRUCTURAL STEEL FOR REVIEW PRIOR TO FABRICATION.

ALL WELDING SHALL BE IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY STANDARD CODE. WELDERS SHALL BE CERTIFIED BY A THIRD PARTY QUALITY CONTROL AGENCY APPROVED BY LOCAL JURISDICTION SUCH AS THOSE LICENSED BY WASHINGTON ASSOCIATION OF BUILDING OFFICIALS (WABO). WELDS SHALL BE 3/16" MINIMUM CONTINUOUS FILLET USING LOW HYDROGEN E70 ELECTRODES UNLESS OTHERWISE NOTED. SLAG SHALL BE REMOVED FROM ALL WELDS. WELDING OF HEADED STUDS AND DEFORMED BAR ANCHORS TO BASE MATERIAL SHALL BE BY USE OF STUD WELDING GUN AS RECOMMENDED BY STUD MANUFACTURER.

STEEL TO STEEL BOLTED CONNECTIONS ARE SHOWN TO BE TWIST OFF TYPE TENSION CONTROL BOLTS CONFORMING TO ASTM F3125 GRADE F1852 WITH THREADS INCLUDED IN THE SHEAR PLANE. ALL OTHER BOLTED CONNECTIONS SHALL BE A307. FIELD CONNECTIONS SHALL BE BOLTED, FRAMED BEAM CONNECTIONS PER AISC UNLESS SHOWN OTHERWISE. TENSION CONTROL BOLTS, NUTS, AND WASHERS AND THEIR INSTALLATION AND FASTENING REQUIREMENTS INCLUDING HOLE SIZE SHALL CONFORM TO RCSC SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS, LATEST EDITION. PROVIDE ASTM F436 HARDENED WASHERS UNDER THE NUT OF THE FASTENED ASSEMBLY. PROVIDE A HARDENED, BEVELED WASHER WHERE BOLT HEAD OR NUT BEARS ON A SLOPING SURFACE SUCH AS AT CHANNEL FLANGES. BOLTED CONNECTIONS DESIGNATED AS "FULLY PRE–TENSIONED" SHALL BE TIGHTENED IN ACCORDANCE WITH THE METHODS AND MINIMUM TENSION REQUIREMENTS SPECIFIED BY THE RCSC SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS, LATEST EDITION. ERECTION BOLTS ARE NOT SHOWN AND SHALL BE SUPPLIED AND INSTALLED BY THE CONTRACTOR AT LOCATIONS REQUIRED TO FACILITATE THE CONSTRUCTION PROCESS. ERECTION BOLTS AND ADDITIONAL STRUCTURAL STEEL SHALL ALSO BE SUPPLIED AND INSTALLED AT BRACE FRAME, BAR JOIST, BRIDGING, AND OTHER LOCATIONS AS REQUIRED BY WISHA, OSHA, AND ALL OTHER GOVERNING AGENCIES. ANCHOR BOLTS SHALL BE ASTM F1554 GR. 36 OR A307 (MIN.) HEADED TYPE AND SHALL HAVE A STANDARD BOLT HEAD. ALL EPOXY ANCHOR BOLTS SHALL BE OF MINIMUM A307 QUALITY. INSTALLATION AND HOLE SIZE SHALL CONFORM TO MANUFACTURER'S SPECIFICATIONS.

HEAVY DUTY SCREW ANCHORS SHALL BE SIMPSON "TITEN HD". ANCHORS SHALL BE ZINC PLATED OR MECHANICALLY GALVANIZED. INSTALLATION AND HOLE SIZE SHALL CONFORM TO MANUFACTURER'S SPECIFICATIONS.

SHOP DRAWINGS:
STRUCTURAL STEEL DRAWINGS PREPARED AS FABRICATION DRAWINGS AND SUBMITTED FOR REVIEW BY THE ENGINEER SHALL INCLUDE MATERIAL, FINISH, AND QUANTITY FOR EACH MEMBER AND FOR ALL OTHER SUPPLIED ITEMS SUCH AS BOLTS, ETC. SHOP DRAWINGS SHALL INCLUDE ENOUGH VIEWS TO DEFINE PROFILES, SIZES, SPACING AND LOCATION OF ALL STRUCTURAL MEMBERS, ATTACHMENTS, HOLES, CUTS, WELDS, AND FASTENERS. WELDING SYMBOLOGY SHALL BE TO AWS STANDARDS AND INDICATE WELD LENGTH, SPACING, AND PRE OR POST WELD SURFACE PREPARATIONS. SHOP DRAWINGS SHALL BE ACCURATELY PREPARED BY SKILLED DRAFTSMEN TO BE COMPLETE IN EVERY RESPECT. SHOP DRAWING SUBMITTALS SHALL CONTAIN GENERAL ARRANGEMENT DRAWINGS WITH REFERENCES TO SPECIFIC DETAILED DRAWINGS. CONSTRUCTION DRAWINGS AND DETAILS PREPARED BY THE ENGINEER SHALL NOT BE REPRODUCED AND SUBMITTED AS SHOP DRAWINGS SUBMITTALS. SUBMIT THE NUMBER OF COPIES WHICH CONTRACTOR REQUIRES, PLUS TWO COPIES WHICH WILL BE RETAINED BY THE ENGINEER.

SUBMITTED SHOP DRAWINGS WILL BE REVIEWED FOR THE CHARACTER AND SUFFICIENCY OF SPECIFIED MEMBERS AND DETAILS AND WILL NOT BE A CHECK OF THE DIMENSIONS.

OPEN WEB STEEL JOISTS:
DESIGN JOISTS FOR THE LOADS INDICATED. DESIGN AND FABRICATE IN ACCORDANCE WITH SECTION 2206, CHAPTER 22 OF THE INTERNATIONAL BUILDING CODE AND THE FOLLOWING STEEL JOIST INSTITUTE SPECIFICATIONS, "STANDARD SPECIFICATION FOR OPEN WEB STEEL JOISTS, K SERIES, LH SERIES, DLH SERIES, AND JOIST GIRDERS," LATEST EDITION. ERECTION, ANCHORAGE, AND BRIDGING SHALL BE MANUFACTURER'S STANDARD. CAMBER JOISTS PER REFERENCED SPECIFICATIONS. JOIST (OR JOISTS) ADJACENT TO LEDGER ANGLES, BEARING WALLS, OR OTHER FIXED ELEVATIONS SHALL BE PROVIDED WITH LESS OR ZERO CAMBER AS REQUIRED TO ALLOW FOR PROPER PLACEMENT OF THE ROOF DECK. CHANGE IN CAMBER BETWEEN ADJACENT JOISTS OR BETWEEN JOISTS AND FIXED ELEVATIONS SHALL NOT CREATE A ROOF DECK SLOPE IN EXCESS OF 1/8" PER FOOT. JOIST MANUFACTURER SHALL BE A MEMBER OF THE STEEL JOIST INSTITUTE AND SHALL BE ICBO APPROVED. A CURRENT ICBO REPORT SHALL BE SUBMITTED (IF REQUESTED) FOR REVIEW PRIOR TO FABRICATION. JOIST MANUFACTURER SHALL PROVIDE ALL SPECIALTY ITEMS REQUIRED FOR A NORMAL AND COMPLETE INSTALLATION OF THE ROOF SYSTEM. MAXIMUM TOTAL LOAD DEFLECTIONS SHALL NOT EXCEED L/240 UNLESS OTHERWISE NOTED. MAXIMUM LIVE LOAD DEFLECTIONS SHALL NOT EXCEED L/360 UNLESS OTHERWISE NOTED. PRIME PAINT JOISTS. SUBMIT DESIGN CALCULATIONS FOR ALL MEMBERS AND PROVIDE SHOP DRAWINGS (IF REQUESTED) FOR REVIEW PRIOR TO FABRICATION. ERECTION BOLTS AND ADDITIONAL STRUCTURAL STEEL SHALL ALSO BE SUPPLIED AND INSTALLED AT BAR JOIST, BRIDGING, COLUMN, AND OTHER LOCATIONS AS REQUIRED BY WISHA, OSHA, AND ALL OTHER GOVERNING AGENCIES.

STEEL JOIST MANUFACTURER SHALL PROVIDE SPECIALLY DESIGNED JOISTS AND GIRDERS OR ADDITIONAL JOIST REINFORCING TO SUPPORT DRIFTED SNOW, MECHANICAL EQUIPMENT, PIPING LOADS AND OTHER CONCENTRATED LOADS. PIPING SHALL INCLUDE FIRE SPRINKLER EQUIPMENT PIPING AND MECHANICAL EQUIPMENT PIPING. CONTRACTOR SHALL PROVIDE STEEL JOIST MANUFACTURER WITH MECHANICAL EQUIPMENT AND PIPING WEIGHTS AND PLACEMENT PLAN. WHERE MECHANICAL, PIPING, OR OTHER SPECIALTY EQUIPMENT OCCURS BETWEEN JOISTS, PROVIDE SUPPORT BETWEEN JOISTS. PROVIDE ADDITIONAL WEB MEMBERS WHERE REQUIRED TO SUPPORT OFF–MODULE CONCENTRATED LOADS.

STEEL ROOF DECK:
STEEL DECK SHALL CONFORM TO ASTM A653, GRADE 50. DECK GALVANIZING SHALL BE IN ACCORDANCE WITH ASTM A653 G60. STEEL DECK MANUFACTURER SHALL BE ICBO OR IAPMO APPROVED. A CURRENT EVALUATION REPORT SHALL BE SUBMITTED (IF REQUESTED) FOR REVIEW PRIOR TO FABRICATION. OTHER APPROVED SYSTEMS WILL BE ACCEPTABLE AS AN EQUAL ONLY IF THEY MEET THE SPECIFIED DIAPHRAGM SHEAR CAPACITY AND OTHER PROPERTIES OF THE SPECIFIED DECK. THE SIDELAP CONNECTION SHALL BE HAZARD–FREE WITH NO EXPOSED SHARP EDGES AND SHALL ALLOW MEASUREMENT–FREE VISUAL INSPECTION. DECKING SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH STEEL DECK INSTITUTE SPECIFICATIONS, LATEST EDITION, TO SUPPORT SUPERIMPOSED LOADS WITH A MAXIMUM LIVE LOAD DEFLECTION OF L/240. SUPPLIED DECKING UNITS SHALL HAVE BEEN EVALUATED BY FACTORY MUTUAL AND LISTED IN THE FACTORY MUTUAL APPROVAL GUIDE FOR "CLASS 1" FIRE RATED CONSTRUCTION. INDIVIDUAL SHEET LENGTH SHALL BE CONTINUOUS OVER THREE OR MORE SUPPORTS AND SHALL PROVIDE FOR 4" (MINIMUM) END LAP UNLESS NOTED OTHERWISE. MINIMUM BEARING OF THE DECK SHALL BE 2" UNLESS OTHERWISE SHOWN. CONTRACTOR SHALL PROVIDE STEEL HEADER AT OPENINGS THROUGH DECK TO ADEQUATELY DISTRIBUTE LOADS TO SUPPORTING MEMBERS. SHOP DRAWINGS SHALL BE SUBMITTED (IF REQUESTED), FOR REVIEW PRIOR TO FABRICATION. MINIMUM EFFECTIVE MULTIPLE SPAN SECTION PROPERTIES FOR 1–1/2" DEEP, TYPE B, GALVANIZED STEEL ROOF DECK ARE AS FOLLOWS:

22 GAGE: +S = 0.176 IN^3, –S = 0.188 IN^3, I = 0.192 IN^4
20 GAGE: +S = 0.230 IN^3, –S = 0.237 IN^3, I = 0.231 IN^4

FOR WELDED ATTACHMENT OF 1½" STEEL ROOF DECK TO SUPPORTS, USE CONNECTIONS AS SHOWN ON THE CONSTRUCTION DOCUMENTS FOR DIAPHRAGM ACTION. ANCHORAGE TO SUPPORTS SHALL BE SUFFICIENT TO RESIST WIND UPLIFT FORCES WITH A MINIMUM VALUE OF 50 LBS. PER CONNECTOR. UNLESS NOTED OTHERWISE, DECKING SHALL BE FASTENED TO SUPPORTS BY 3/4" DIAMETER WELDS (1/2" DIAMETER EFFECTIVE). WELDS SHALL BE SPACED NOT MORE THAN 12" O.C. TO SUPPORTS PARALLEL TO FLUTES. WHERE FLUTES ARE PERPENDICULAR TO SUPPORTS, DECK SHALL BE FASTENED AT EACH FLUTE WITH 3/4" DIAMETER WELDS (1/2" DIAMETER EFFECTIVE) EXCEPT AT SIDELAP FLUTES WELDS SHALL BE 3/8" BY 1" LONG ARC SEAM WELDS. SIDE LAPS OF ADJACENT UNITS SHALL BE FASTENED AT 24" O.C. MAXIMUM BY BUTTON PUNCHING, 1½" TOP SEAM WELD, PUNCHLOK II TOOL, OR AS OTHERWISE NOTED. SEE ROOF DECK ATTACHMENT SCHEDULE (–/–) AND ROOF DECK ATTACHMENT PLAN (–/–)

FOR HILTI FASTENER ATTACHMENT OF 1½" STEEL ROOF DECK TO SUPPORTS, USE CONNECTIONS AS SHOWN ON THE CONSTRUCTION DOCUMENTS FOR DIAPHRAGM ACTION. OPERATOR OF HILTI FASTENER TOOL SHALL HAVE A VALID QUALIFIED OPERATORS CARD ISSUED BY HILTI AND SHALL HAVE EXPERIENCE WITH PROPER INSTALLATION REQUIREMENTS. ANCHORAGE TO SUPPORTS SHALL BE SUFFICIENT TO RESIST WIND UPLIFT FORCES WITH A MINIMUM VALUE OF 50 LBS. PER CONNECTOR. UNLESS SHOWN OTHERWISE, DECKING SHALL BE FASTENED TO SUPPORTS BY HILTI DIRECT FASTENERS. FASTENERS SHALL BE SPACED NOT MORE THAN 12" O.C. TO SUPPORTS PARALLEL TO FLUTES. WHERE FLUTES ARE PERPENDICULAR TO SUPPORTS, DECK SHALL BE FASTENED WITH 7 FASTENERS PER SHEET EXCEPT WHERE 9 FASTENERS PER SHEET IS SPECIFIED. SIDE LAPS OF ADJACENT UNITS SHALL BE FASTENED AT 24" O.C. MAXIMUM BY PUNCHLOK II TOOL OR AS OTHERWISE NOTED. SEE ROOF DECK ATTACHMENT SCHEDULE (–/–) AND ROOF DECK ATTACHMENT PLAN (–/–).

TIMBER FRAMING:
STRUCTURAL TIMBER AND LUMBER SHALL BE SURFACED KILN DRIED STRESS GRADE DOUGLAS FIR – LARCH AS FOLLOWS:

TIMBER STRESS GRADE:

USE	GRADE
6X	NO. 1
4X AND 3X	NO. 2
EXTERIOR AND BEARING STUD WALLS	NO. 2
ROOF JOISTS, FLOOR JOISTS	NO. 2
INTERIOR STUDS @ NON–BEARING WALLS	STANDARD
TOP & BOTTOM PLATES @ BEARING WALLS	NO. 2
ALL OTHER LUMBER	STANDARD/BETTER

NO END SPLITS SHALL BE ALLOWED IN STRUCTURAL MEMBERS. ALL NAILS SHALL BE COMMON UNLESS OTHERWISE NOTED ON THE CONSTRUCTION DOCUMENTS AND NAILING SHALL BE AS PER 2304.10.1 OF THE LATEST EDITION OF THE "INTERNATIONAL BUILDING CODE." ALL BOLT HEADS AND NUTS BEARING ON WOOD SHALL BE PROVIDED WITH A WASHER.

WOOD PERMANENTLY EXPOSED TO WEATHER AND WOOD BEARING ON OR INSTALLED WITHIN 1" OF CONCRETE OR MASONRY SHALL BE TREATED WITH AN APPROVED PRESERVATIVE.

TYPICAL SILL BOLTS AT NON SHEAR WALLS SHALL BE 5/8" DIAMETER AT 4'–0" O.C.; EMBED 7". PLATE WASHERS A MINIMUM OF 3" BY 3" BY 0.229 THICK OR SIMPSON "BPS" BEARING PLATES SHALL BE USED ON EACH SILL BOLT AT SHEAR WALLS. ALL EXTERIOR WALLS SHALL BE SWP6 UNLESS NOTED OTHERWISE. ALL LAG SCREWS SHALL BE PLACED IN PRE–DRILLED HOLES. HOLE FOR UNTHREADED SHANK SHALL BE SAME DIAMETER AS SHANK WITH DEPTH EQUAL TO SHANK PENETRATION. LEAD HOLE FOR THREADED PORTION SHALL BE ONE HALF THE DIAMETER OF THE SHANK DIAMETER. USE WOOD ADHESIVE AS LUBRICANT.

LAMINATED VENEER LUMBER LVL:
FRAMING MEMBERS SHOWN ON CONSTRUCTION DOCUMENTS AS "LVL" SHALL BE LAMINATED VENEER LUMBER. ERECTION, INSTALLATION, AND ANCHORAGE SHALL BE MANUFACTURER'S STANDARD. CONNECTION OF MULTIPLE MEMBERS SHALL BE AS RECOMMENDED BY THE MANUFACTURER. ALL LVL MATERIAL SHALL BE MINIMUM 2.0E, 2600 FB.

EXISTING CONSTRUCTION:
EXISTING CONSTRUCTION IS NOTED AS "EXISTING" OR "(EXIST)." ALL ITEMS NOT NOTED AS EXISTING ARE NEW CONSTRUCTION. CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS BEFORE PROCEEDING WITH THE WORK. ALL CONSTRUCTION DOCUMENTS SHOWING EXISTING CONSTRUCTION ARE INTENDED AS GUIDELINES ONLY; ALL DIMENSIONS MUST BE VERIFIED AND/OR DETERMINED IN THE FIELD.

THE CONSTRUCTION DOCUMENTS MAY NOT SHOW SOME OBSTRUCTIONS. CONTRACTOR SHALL CAREFULLY INSPECT THE EXISTING FACILITIES BEFORE PREPARING THEIR PROPOSAL AND BEFORE PROCEEDING WITH THE WORK. EVEN THOUGH NOT SHOWN OR SPECIFICALLY MENTIONED THE REMOVAL AND REPLACEMENT OF MINOR OBSTRUCTIONS SHOULD BE ANTICIPATED AND ACCOMPLISHED.

DEMOLITION:
EXTENTS OF DEMOLITION REQUIRED MAY NOT BE SHOWN ON THE STRUCTURAL DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS FOR DEMOLITION EXTENTS. THE CONTRACTOR SHALL PERFORM A SITE VISIT PRIOR TO COMMENCING THE WORK TO FULLY UNDERSTAND THE DEMOLITION REQUIREMENTS AND MATERIAL TYPES. THE CONTRACTOR IS RESPONSIBLE FOR DEVELOPING A DEMOLITION PLAN WITH SEQUENCES, METHODS, AND PROCEDURES TO SAFELY DEMOLISH THE COMPONENTS OF THE BUILDING TO BE REMOVED. IF NECESSARY, THE CONTRACTOR SHALL CONSULT A SPECIALTY STRUCTURAL ENGINEER LICENSED IN THE STATE OF THE WORK FOR ASSISTANCE IN DEVELOPING THE DEMOLITION PLAN PRIOR TO PROCEEDING WITH THE WORK. PRECAUTIONS SHALL BE TAKEN TO AVOID DAMAGING COMPONENTS OF THE BUILDING THAT ARE SCHEDULED TO REMAIN. WHERE SHORING IS REQUIRED FOR DEMOLITION ACTIVITIES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF ALL SHORING SYSTEMS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR UNDERSTANDING MEANS AND METHODS REQUIREMENTS, AS WELL AS OSHA REGULATIONS FOR THE PROJECT DEMOLITION.

TEMPORARY SHORING:
THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY SHORING DURING CONSTRUCTION TO ENSURE THAT THE EXISTING STRUCTURE IS STABLE UNTIL THE NEW CONSTRUCTION WORK IS COMPLETE. IF NECESSARY, THE CONTRACTOR SHALL CONSULT A SPECIALTY STRUCTURAL ENGINEER, LICENSED IN THE STATE OF WORK, FOR DESIGN ASSISTANCE PRIOR TO PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR UNDERSTANDING MEANS AND METHODS REQUIREMENTS, AS WELL AS OSHA REGULATIONS FOR THE PROJECT CONSTRUCTION.

MISCELLANEOUS:
CONTRACTOR SHALL PROVIDE TEMPORARY BRACING AND/OR SHORING OF THE STRUCTURE AND STRUCTURAL COMPONENTS UNTIL ALL FINAL CONNECTIONS HAVE BEEN COMPLETED IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS.

CONTRACTORS SHALL BE RESPONSIBLE FOR ALL THE REQUIRED SAFETY PRECAUTIONS AND PROGRAMS AND THE MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES REQUIRED TO PERFORM THE WORK.

CONSTRUCTION DOCUMENTS ARE NOT TO BE SCALED. DIMENSIONAL DATA SHALL BE OBTAINED FROM WRITTEN INFORMATION ONLY. VERIFY ALL DIMENSIONS BEFORE PROCEEDING. ANY DIMENSIONAL DEVIATION FROM THAT SHOWN ON CONSTRUCTION DOCUMENTS, WHICH MAY AFFECT INTENT OF DESIGN, SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION PROMPTLY AND RESOLUTION OBTAINED BEFORE PROCEEDING.

CONSTRUCTION DOCUMENTS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION AND ARE NOT INTENDED TO SHOW EVERY DETAIL OR CONDITION OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY AS INDICATED BUT ARE OF SIMILAR CHARACTER TO THE DETAILS SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED, SUBJECT TO REVIEW AND APPROVAL. THE ENGINEER ASSUMES NO LIABILITY OR RESPONSIBILITY FOR ERRORS OR CONFLICTS WHICH MAY OCCUR BECAUSE OF THE ENGINEER'S EXCLUSION FROM PARTICIPATION IN THE ACTUAL CONSTRUCTION PHASE OF THE PROJECT.

IF DUE TO THE ENGINEER'S OR OTHER CONSULTANT'S ERROR, ANY REQUIRED ITEM OR COMPONENT IS OMITTED FROM THE CONSTRUCTION DOCUMENTS, THE ENGINEER SHALL NOT BE RESPONSIBLE FOR PAYING THE COSTS TO ADD SUCH ITEM OR COMPONENT TO THE EXTENT THAT SUCH ITEM OR COMPONENT WOULD HAVE BEEN OTHERWISE NECESSARY TO THE PROJECT OR OTHERWISE ADDS VALUE OR BETTERMENT TO THE PROJECT. IN NO EVENT WILL THE ENGINEER BE RESPONSIBLE FOR ANY COST OR EXPENSE THAT PROVIDES BETTERMENT, UPGRADE, OR ENHANCEMENT OF THE PROJECT.

SHOP DRAWINGS OR OTHER SUBMITTALS REVIEWED BY THE ENGINEER DO NOT BECOME CONTRACT DOCUMENTS AND DO NOT CONSTITUTE CHANGE ORDERS. THE PURPOSE OF SUBMITTAL REVIEW IS TO ESTABLISH A REPORTING PROCEDURE AND IS INTENDED FOR CONTRACTOR'S CONVENIENCE IN ORGANIZING THE WORK AND TO ALLOW THE ENGINEER TO MONITOR CONTRACTOR'S PROGRESS AND UNDERSTANDING OF THE DESIGN. DELAYS CAUSED BY THE NEED FOR RESUBMITTAL ARE NOT THE RESPONSIBILITY OF THE ENGINEER.

CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY AND RISK FOR MISFITS DUE TO ANY ERROR IN CONTRACTOR SUBMITTAL DRAWINGS REGARDLESS OF ENGINEER'S SUBMITTAL REVIEW. ANY FABRICATION OR OTHER WORK PERFORMED IN ADVANCE OF THE RECEIPT OF SUBMITTAL REVIEW COMMENTS SHALL BE ENTIRELY AT CONTRACTOR'S RISK.

THIS DESIGN IS SITE SPECIFIC FOR ONE–TIME USE AND MAY NOT BE REPRODUCED OR RE–USED.

INSULATED METAL PANEL SYSTEM NOTES:

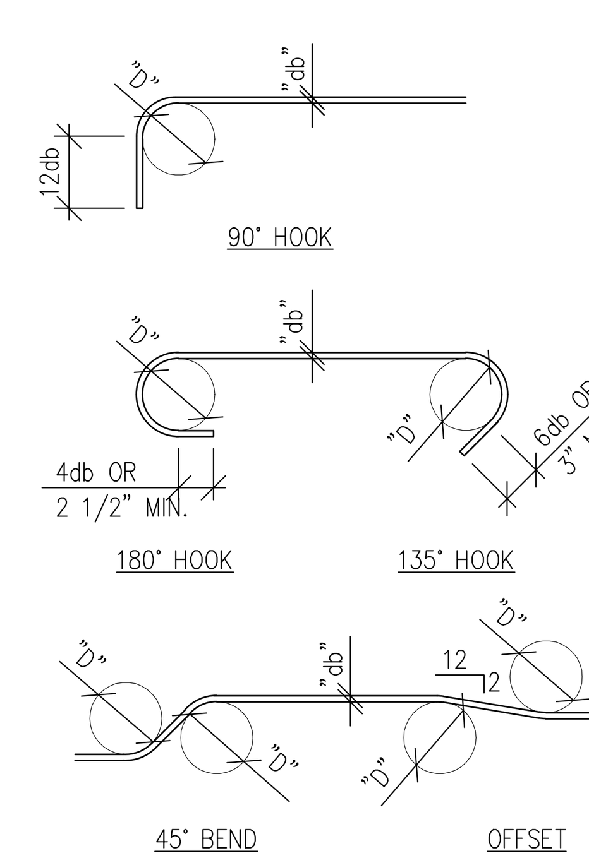
1. INSULATED METAL PANEL SYSTEM SHALL CONSIST OF FM RESEARCH APPROVED PANELS THAT CONFORM TO FM 4881 REQUIREMENTS.
2. METL–SPAN INSULATED METAL WALL PANELS SHALL BE CF–42 FLUTED EXTERIOR WITH FINISH COLOR POLAR WHITE. INTERIOR MESA FINISH COLOR IGLOO WHITE.
3. ALL WEATHER PANELS SHALL BE APPROVED EQUIVALENT PANELS.
4. COMPLETE SHOP DRAWINGS, INCLUDING ELEVATIONS, FASTENING PATTERNS AND SECTIONS OF EACH CONDITION, SHALL BE SUBMITTED FOR REVIEW PRIOR TO FABRICATION. SUCH DRAWINGS SHALL ALSO INCLUDE MATERIAL TYPE, METAL THICKNESS, FINISH AND MANUFACTURER'S INSTALLATION REQUIREMENTS. A 1'–0" BY FULL WIDTH SAMPLE PANEL INDICATING THE METAL TEXTURE, AND COLOR SHALL ALSO BE SUBMITTED. SHOP DRAWINGS SHALL ALSO INCLUDE ALL DETAILS FOR CONNECTION OF NEW MATERIALS
5. INDICATING REQUIRED INSTALLATION MEANS TO ENSURE THAT THE EXTERIOR METAL SKIN IS MAINTAINED AS A COMPLETE AND FUNCTIONING VAPOR BARRIER.
6. INSULATED METAL PANEL SYSTEM CONTRACTOR SHALL BE A MANUFACTURER'S CERTIFIED INSTALLER AND SHALL HAVE PRIOR EXPERIENCE IN STEEL BUILDING TYPE APPLICATIONS.
7. INSTALLATION OF PANELS SHALL BE MADE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDED PROCEDURES, APPROVED SHOP DRAWINGS, INSTALLATION GUIDE BOOK AND MANUFACTURER'S HANDBOOK OF CONSTRUCTION DETAILS. FLASHING AND TRIM SHALL BE INSTALLED TRUE AND IN PROPER ALIGNMENT. SEALANT SHALL BE INSTALLED WHERE INDICATED BY MANUFACTURER WITHOUT SKIPS AND VOIDS TO ENSURE WEATHER TIGHTNESS. REPLACE DAMAGED PANELS AND OTHER COMPONENTS OF WORK THAT CANNOT BE REPAIRED BY FINISH TOUCH UP OR SIMILAR MINOR REPAIR. WIPE FINISHED SURFACES OF FILINGS CAUSED BY DRILLING OR CUTTING TO PREVENT RUST STAINING.
8. ALL INSULATED PANEL SYSTEM DELIVERY, STORAGE, AND INSTALLATION INCLUDING WALL PANELS, FLASHING, CAULKING, CONNECTIONS, ETC. SHALL CONFORM TO MANUFACTURER'S SPECIFICATIONS AND WRITTEN RECOMMENDATIONS. THE FINAL INSULATED METAL PANEL SYSTEM SHALL BE ACCEPTABLE FOR THE ISSUANCE OF MANUFACTURER'S WARRANTY.
9. CONTRACTOR SHALL SUBMIT PRODUCT DATA INDICATING FM RESEARCH APPROVAL FOR THE PRODUCT.

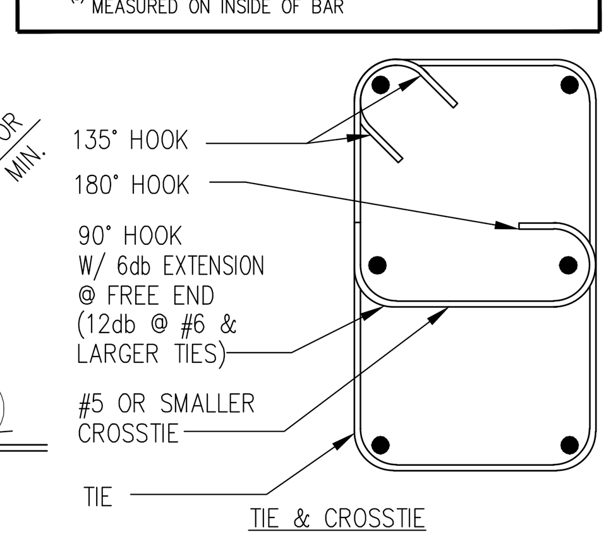
MINIMUM DIAMETER OF BEND PRIMARY REINFORCEMENT	
BAR SIZE "db"	MINIMUM DIAMETER "D" [(a)]
#3 – #8	6db
#9 – #11	8db
#14 & #18	10db

[(a)] MEASURED ON INSIDE OF BAR

MINIMUM DIAMETER OF BEND TIES AND STIRRUPS	
BAR SIZE "db"	MINIMUM DIAMETER "D" [(b)]
#3 – #5	4db
#6 – #8	6db

[(b)] MEASURED ON INSIDE OF BAR





TIE & CROSSTIE

NOTES:
1. ALTERNATE POSITION OF HOOKS IN SUCCESSIVE SETS OF TIES. (FOR ALL BAR ARRANGEMENTS)

1 SECTION
NO SCALE

BLUE ROOM

BLUE ROOM ARCHITECTURE & DESIGN, P.S.

HISTORIC SALTESE SCHOOLHOUSE
PO BOX 628
SPOKANE VALLEY, WA 99037
(509) 456-6800

www.brdstudio.com

CIVIL ENGINEER
PACIFIC ENGINEERING & DESIGN PLLC
200 SOUTH COLUMBIA, SUITE 300
WENATCHEE, WA 98801
(509) 662-1161

STRUCTURAL ENGINEER
PACIFIC ENGINEERING & DESIGN PLLC
200 SOUTH COLUMBIA, SUITE 300
WENATCHEE, WA 98801
(509) 662-1161

MECHANICAL ENGINEER
ROUTH CONSULTING ENGINEERS INC
PO BOX 3187
PASCO, WA 99301
(509) 547-8262

ELECTRICAL ENGINEER
PICATTI ENGINEERING AND SERVICES LLC
PO BOX 10034
YAKIMA, WA 98909
(509) 248-1447

DRAFT

INTERIOR REMODEL AND BUILDING ADDITION FOR:

804 ELMVIEW ROAD
ELLENSBURG, WASHINGTON 98926

PROJECT NUMBER: 20131SA
DATE: 12/21/2020
DRAWN: RHW
REVISIONS: -

NOT FOR CONSTRUCTION

STRUCTURAL NOTES

S1.0

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STRUCTURAL STATEMENT OF SPECIAL INSPECTIONS

STATEMENT OF SPECIAL INSPECTIONS

THIS STATEMENT OF SPECIAL INSPECTIONS IS SUBMITTED FOR STRUCTURAL ITEMS ONLY, AS A CONDITION FOR PERMIT ISSUANCE IN ACCORDANCE WITH THE SPECIAL INSPECTION AND TESTING REQUIREMENTS OF THE CURRENTLY ADOPTED INTERNATIONAL BUILDING CODE (IBC). IN ACCORDANCE WITH THE IBC, THE OWNER OR THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE ACTING AS THE OWNER'S AGENT, IS REQUIRED TO EMPLOY ONE OR MORE APPROVED AGENCIES TO PERFORM REQUIRED INSPECTIONS. THE PERMIT APPLICANT IS RESPONSIBLE FOR HIRING THE SPECIAL INSPECTOR AND MUST INCUR ALL ASSOCIATED COSTS.

QUALIFICATIONS OF SPECIAL INSPECTOR

THE QUALIFICATIONS OF ALL PERSONNEL PERFORMING SPECIAL INSPECTION OR TESTING ARE SUBJECT TO THE APPROVAL OF THE BUILDING OFFICIAL. THE SPECIAL INSPECTOR SHALL PROVIDE WRITTEN DOCUMENTATION TO THE BUILDING OFFICIAL DEMONSTRATING HIS OR HER COMPETENCE AND RELEVANT EXPERIENCE OR TRAINING. THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE AND ENGINEERS OF RECORD INVOLVED IN THE DESIGN OF THE PROJECT ARE PERMITTED TO ACT AS THE APPROVED AGENCY AND THEIR PERSONNEL ARE PERMITTED TO ACT AS THE SPECIAL INSPECTOR FOR THE WORK DESIGNED BY THEM, PROVIDED THEY QUALIFY AS SPECIAL INSPECTORS.

RESPONSIBILITIES

A. OWNER RESPONSIBILITIES

1. THE OWNER OR THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE ACTING AS THE OWNER'S AGENT, SHALL EMPLOY ONE OR MORE APPROVED AGENCIES TO PERFORM INSPECTIONS DURING CONSTRUCTION ON THE TYPES OF WORK LISTED ON THIS SHEET. THESE INSPECTIONS ARE IN ADDITION TO THE INSPECTIONS PERFORMED BY THE JURISDICTION.

EXCEPTION: APPROVED FABRICATORS

FABRICATOR APPROVAL: SPECIAL INSPECTIONS REQUIRED BY SECTION 1705 ARE NOT REQUIRED WHERE THE WORK IS DONE ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION. FOR STEEL CONSTRUCTION, AISC CERTIFIED FABRICATORS SHALL BE CONSIDERED "APPROVED". AT COMPLETION OF FABRICATION, THE APPROVED FABRICATOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE BUILDING OFFICIAL STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS. ALL WORK COMPLETED IN THE FIELD OR BY A FABRICATOR WHICH IS NOT APPROVED SHALL BE INSPECTED ACCORDING TO THE REQUIREMENTS OF THIS SHEET. THE FOLLOWING TABLE SUMMARIZES THE EXCEPTION FOR APPROVED FABRICATORS.

IBC REQUIREMENT PER CHAPTER 17	Responsible party and/or check writer if the fabricator for your project is: approved	not approved
Qualify special inspectors/firms for steel fabrication	Not required	Design professional is responsible with the cost borne by the owner
Develop Statement of Special Inspections for steel fabrication	Not required	Design professional at the owner's expense
Approve Statement of Special Inspections and special inspectors/firms for steel fabrication	Not required	Building official on a project-by-project basis at the building code authority's expense
Conduct special inspections for steel fabrication and prepare reports	Not required	Special inspector at the owner's expense
Develop Criteria, prepare audit plan, select auditors, and periodically verify fabricator quality management system	QMC- or IAS-accredited inspection agency at the fabricator's expense	Special inspector on a project-by-project basis at the owner's expense
Identify and resolve discrepancies with approved construction documents	Fabricator is responsible	Special inspector and design professional at owner's risk and expense
Submit certificate of compliance to building official	Fabricator is responsible	Special inspector and design professional at owner's expense

B. DUTIES OF THE SPECIAL INSPECTOR

RECORDS OF EACH INSPECTION MUST BE SUBMITTED TO THE BUILDING OFFICIAL SO AS TO COMPILE A COMPLETE LEGAL RECORD OF THE PROJECT. THESE RECORDS MUST INCLUDE ALL INSPECTIONS MADE, VIOLATIONS, AND DISCREPANCIES. BEFORE A CERTIFICATE OF OCCUPANCY IS ISSUED, A FINAL REPORT MUST BE SUBMITTED INDICATING THAT ALL SPECIAL INSPECTIONS HAVE BEEN MADE AND ALL DISCREPANCIES HAVE BEEN RESOLVED OR REMOVED IN ORDER TO SHOW COMPLIANCE WITH THE APPLICABLE CODE REQUIREMENTS. IT IS THE RESPONSIBILITY OF THE SPECIAL INSPECTOR TO DOCUMENT AND SUBMIT INSPECTION RECORDS TO THE BUILDING OFFICIAL AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE OF THE PROJECT. SPECIFIC DUTIES ARE OUTLINED BELOW:

1. OBSERVE THE WORK: THE INSPECTOR SHALL OBSERVE THE WORK FOR COMPLIANCE WITH THE JURISDICTION APPROVED PLANS, SPECIFICATIONS, AND APPLICABLE PROVISIONS OF THE IBC. THE ARCHITECT/ENGINEER REVIEWED SHOP DRAWINGS, AND/OR PLACEMENT DRAWINGS, MAY BE USED ONLY AS AN AID TO INSPECTION AND ARE NOT CONTRACT DOCUMENTS. INSPECTIONS ARE FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS.
   i. CONTINUOUS SPECIAL INSPECTION - THE FULL-TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED.
   ii. PERIODIC SPECIAL INSPECTION - THE PART-TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED AND AT THE COMPLETION OF THE WORK.
2. REPORT NON-CONFORMING ITEMS: THE INSPECTOR SHALL BRING NON-CONFORMING ITEMS TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR, AND NOTE ALL SUCH ITEMS IN THE DAILY REPORT. IF ANY ITEM IS NOT RESOLVED IN A TIMELY MANNER AND IS ABOUT TO BE INCORPORATED IN THE WORK, THE SPECIAL INSPECTOR SHALL IMMEDIATELY NOTIFY THE JURISDICTION, THE ENGINEER AND ARCHITECT.
3. FURNISH DAILY REPORTS: THE SPECIAL INSPECTOR SHALL COMPLETE A DAILY REPORT FOR EACH DAY'S INSPECTIONS. THE DAILY REPORTS SHALL REMAIN AT THE JOB SITE WITH THE CONTRACTOR FOR THE BUILDING DEPARTMENT'S INSPECTOR. THE REPORTS SHALL INCLUDE THE FOLLOWING:
   i. NAME OF SPECIAL INSPECTOR, DATE, TIME, TEMPERATURE, AND WEATHER CONDITIONS.
   ii. DESCRIPTION OF THE INSPECTIONS, WITH LOCATIONS AND TESTS PERFORMED.
   iii. LISTING ANY NON-CONFORMING ITEMS.
   iv. INCLUDE HOW ITEMS WERE RESOLVED OR UNRESOLVED.
   v. LIST ANY CHANGES OR CORRECTIONS TO NON-CONFORMING ISSUES AUTHORIZED BY THE ENGINEER, ARCHITECT, OR JURISDICTION'S BUILDING INSPECTORS.
4. FURNISH WEEKLY REPORTS: THE INSPECTION AGENCY SHALL FURNISH WEEKLY REPORTS OF THE TESTS AND INSPECTIONS PERFORMED DIRECTLY TO THE BUILDING DEPARTMENT, REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE, ARCHITECT, AND/OR OTHERS AS DESIGNATED. WEEKLY REPORT MAY BE A COMPILATION OF DAILY REPORTS.
5. FURNISH FINAL REPORT: THE INSPECTION AGENCY SHALL SUBMIT A FINAL SIGNED REPORT TO THE BUILDING DEPARTMENT STATING THAT ALL ITEMS REQUIRING SPECIAL INSPECTIONS AND TESTING WERE FULFILLED, ALL DISCREPANCIES WERE CORRECTED OR RESOLVED, AND ALL WORK REQUIRING SPECIAL INSPECTIONS IS IN CONFORMANCE WITH THE APPROVED DESIGN DRAWINGS AND SPECIFICATIONS. ANY ITEMS UNRESOLVED OR DISCREPANCIES IN COVERAGE (I.E., MISSED INSPECTIONS, PERIODIC INSPECTIONS WHEN CONTINUOUS WAS REQUIRED, ETC.) SHALL BE SPECIFICALLY ITEMIZED IN THIS REPORT.

C. CONTRACTOR'S RESPONSIBILITIES

1. NOTIFY THE AGENCY: THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE INSPECTION AGENCY IN SUFFICIENT TIME FOR SCHEDULING PERSONNEL TO PERFORM REQUIRED INSPECTIONS.
2. PROVIDE WRITTEN STATEMENT OF RESPONSIBILITY: THE CONTRACTOR SHALL PROVIDE A WRITTEN STATEMENT OF RESPONSIBILITY AS REQUIRED IN SECTION 1704.4 FOR CONSTRUCTION DESIGNATED MAIN-WIND OR SEISMIC FORCE RESISTING SYSTEM. THE STATEMENT OF CONTRACTOR RESPONSIBILITY IS REQUIRED WHEREVER THE STATEMENT OF SPECIAL INSPECTIONS INCLUDE ADDITIONAL WIND- OR SEISMIC-RESISTANCE INSPECTIONS. THIS STATEMENT BY THE CONTRACTOR IS SEPARATE FROM THE STATEMENT OF SPECIAL INSPECTIONS. IT IS THE CONTRACTOR'S ACKNOWLEDGEMENT OF THE SPECIAL INSPECTIONS OR TESTING THAT ARE BEYOND WHAT IS TYPICALLY REQUIRED.
3. PROVIDE ACCESS TO JURISDICTION APPROVED PLANS: THE APPROVED PLANS SHALL BE READILY ACCESSIBLE AT THE JOB SITE.
4. PROVIDE ACCESS TO WORK: THE CONTRACTOR SHALL PROVIDE REASONABLE ACCESS TO ALL WORK REQUIRING SPECIAL INSPECTION.
5. RETAINING SPECIAL INSPECTION REPORTS AT THE JOB SITE: RETAIN AT THE JOB SITE ALL SPECIAL INSPECTION RECORDS SUBMITTED BY THE SPECIAL INSPECTOR, AND PROVIDE THESE RECORDS FOR REVIEW BY THE BUILDING DEPARTMENT INSPECTOR UPON REQUEST.
6. NOTIFY JURISDICTION OF SPECIAL INSPECTIONS PRIOR TO SCHEDULED INSPECTION TIME.

D. JURISDICTION'S RESPONSIBILITIES

1. TO VERIFY COMPLIANCE: THE JURISDICTION IS REQUIRED TO APPROVE EACH SPECIAL INSPECTOR BASED ON SUBMITTED QUALIFICATIONS, TO OVERSEE THE IMPLEMENTATION OF STRUCTURAL TESTS AND SPECIAL INSPECTION REQUIREMENTS FOUND IN IBC CHAPTER 17.
2. REVIEW SPECIAL INSPECTIONS: THE BUILDING DEPARTMENT SHALL REVIEW ALL SPECIAL INSPECTORS AND SPECIAL INSPECTION REQUIREMENTS.
3. MONITOR SPECIAL INSPECTIONS: WORK REQUIRING SPECIAL INSPECTIONS, AND THE PERFORMANCE OF SPECIAL INSPECTORS, SHALL BE MONITORED BY THE BUILDING DEPARTMENT INSPECTOR. JURISDICTIONAL APPROVAL MUST BE OBTAINED PRIOR TO PLACEMENT OF CONCRETE OR OTHER SIMILAR ACTIVITIES IN ADDITION TO THAT OF THE SPECIAL INSPECTOR.
4. ISSUE CERTIFICATE OF OCCUPANCY: THE BUILDING DEPARTMENT WILL ONLY ISSUE A CERTIFICATE OF OCCUPANCY AFTER ALL SPECIAL INSPECTION REPORTS AND THE FINAL SPECIAL INSPECTION REPORT, HAVE BEEN SUBMITTED AND ACCEPTED.

E. REGISTERED DESIGN PROFESSIONAL RESPONSIBILITIES

1. THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE (ENGINEER OR ARCHITECT), SHALL INCLUDE SPECIAL INSPECTION REQUIREMENTS AND SPECIFICATIONS ON THE PLANS.
2. PREPARE THE STATEMENT OF SPECIAL INSPECTIONS IN ACCORDANCE WITH IBC SECTION 1704.3.1 AND IDENTIFY STRUCTURAL TESTING FOR SEISMIC RESISTANCE PER IBC SECTION 1705.12 (WHEN REQUIRED). THE STATEMENT OF SPECIAL INSPECTIONS SHALL IDENTIFY ITEMS FABRICATED ON THE PREMISES OF AN APPROVED FABRICATOR WHERE SPECIAL INSPECTIONS ARE NOT REQUIRED BY SECTION 1704.2.5.1.
3. REVIEW THE SPECIAL INSPECTION REPORTS AND PROVIDE CORRECTIVE ACTION FOR WORK THAT MAY NOT CONFORM TO THE APPROVED PLANS.
4. PROVIDE STRUCTURAL OBSERVATION PER IBC SECTION 1704.6 IF REQUIRED (IF ANY OF THE FOLLOWING ARE CHECKED "YES", THEN STRUCTURAL OBSERVATION IS REQUIRED):

Structural Observation for Seismic Resistance:

	Structure assigned to Seismic Design Category D, E, or F and one or more of the following conditions exist:
	1. The structure is classified as Risk Category III or IV.
	2. The height of the structure is greater than 75 (22860 mm) feet above the base as defined in ASCE7.
	3. The structure is assigned to Seismic Design Category E, is classified as Risk Category I or II in accordance with Table 1604.5, and is greater than two stories above grade plane.
	4. When so designated by the registered design professional in responsible charge for the structural design
	5. When such observation is specifically required by the building official.
Seismic systems and seismic force –resisting systems that are required to have structural observation:	
1.	None
2	

Structural Observation for Wind Requirements:

	Vasd exceeds 110 mph (Vult exceeds 142 mph) and one or more of the following conditions exist:
	1. The structure is classified as Risk Category III or IV in accordance with Table 1604.5.
	2. The building height of the structure is greater than 75 feet.
	3. When so designated by the registered design professional in responsible charge for the structural design
	4. When such observation is specifically required by the building official.
Main wind–force–resisting systems and components and cladding that are required to have structural observation:	
1.	None
2	

STEEL CONSTRUCTION - STRUCTURAL STEEL - IBC SECTION 1705.2.1

	VERIFICATION AND INSPECTION	REQUIRED	EXTENT: O - OBSERVE ON RANDOM DAILY BASIS; P - PERFORM FOR EACH JOINT OR MEMBER	REFERENCED STANDARD
WELDING	1. INSPECTION TASKS PRIOR TO WELDING:			
	A. WELDING PROCEDURE SPECIFICATIONS AVAILABLE.		P	
	B. MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE.		P	
	C. MATERIAL IDENTIFICATION (TYPE/GRADE).		O	
	D. WELDER IDENTIFICATION SYSTEM.		O	
	E. FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY). - JOINT PREPARATION. - DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL). - CLEANLINESS (CONDITION OF STEEL SURFACES). - TACKING (TACK WELD QUALITY AND LOCATION). - BACKING TYPE AND FIT (IF APPLICABLE).		O	AWS D1.1/D1.1M, AISC 360, TABLE N5.4-1
	F. CONFIGURATION AND FINISH OF ACCESS HOLES.		O	
	G. FIT-UP OF FILLET WELDS. - DIMENSIONS (ALIGNMENT, GAPS AT ROOT). - CLEANLINESS (CONDITION OF STEEL SURFACES). - TACKING (TACK WELD QUALITY AND LOCATION).		O	
	H. CHECK WELDING EQUIPMENT		O	
	2. INSPECTION TASKS DURING WELDING:			
	A. USE OF QUALIFIED WELDERS.		O	
	B. CONTROL AND HANDLING OF WELDING CONSUMABLES. - PACKAGING. - EXPOSURE CONTROL.		O	
	C. NO WELDING OVER CRACKED TACK WELDS.		O	
	D. ENVIRONMENTAL CONDITIONS. - WIND SPEED WITHIN LIMITS. - PRECIPITATION AND TEMPERATURE.		O	
	E. WELDING SPECIFICATION PROCEDURES FOLLOWED. - SETTINGS ON WELDING EQUIPMENT. - TRAVEL SPEED. - SELECTED WELDING MATERIALS. - SHIELDING GAS TYPE/FLOW RATE. - PREHEAT APPLIED. - INTERPASS TEMPERATURE MAINTAINED (MIN/MAX). - PROPER POSITION (F, V, H, OH).		O	AWS D1.1/D1.1M, AISC 360, TABLE N5.4-2
	F. WELDING TECHNIQUES. - INTERPASS AND FINAL CLEANING. - EACH PASS WITHIN PROFILE LIMITATIONS. - EACH PASS MEETS QUALITY REQUIREMENTS.		O	
	3. INSPECTION TASKS AFTER WELDING:			
	A. WELDS CLEANED.		O	
	B. SIZE, LENGTH AND LOCATION OF WELDS.		P	
	C. WELDS MEET VISUAL ACCEPTANCE CRITERIA. - CRACK PROHIBITION. - WELD/BASE-METAL FUSION. - CRATER CROSS SECTION. - WELD PROFILES. - WELD SIZE. - UNDERCUT. - POROSITY.		P	AWS D1.1/D1.1M, AISC 360, TABLE N5.4-3
	D. ARC STRIKES.		P	
	E. INSPECT K=AREA FOR CRACKS WITHIN 3 IN. OF WELD WHERE WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED.		P	
	F. BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED).		P	
	G. REPAIR ACTIVITIES.		P	
	H. DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER.		P	AISC 360, TABLE N5.4-3
BOLTING	4. INSPECTION TASKS PRIOR TO BOLTING:			
	A. MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS.		P	
	B. FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS.		O	
	C. PROPER FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE).		O	
	D. PROPER BOLTING PROCEDURE SELECTED FOR JOINT DETAIL.		O	AISC TABLE N5.6-1
	E. CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS.		O	
	F. PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED.		O	
	G. PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS.		O	
	5. INSPECTION TASKS DURING BOLTING:			
	A. FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE POSITIONED AS REQUIRED.		O	
	B. JOINT BROUGHT TO THE SNUG TIGHT CONDITIONS PRIOR TO THE PRETENSIONING OPERATION.		O	AISC TABLE N5.6-2
	C. FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING.		O	
	D. FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES.		O	
	6. INSPECTION TASKS AFTER BOLTING:			
	A. DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS.		P	TABLE N 5.6-3
FRAME	7. INSPECTION OF STEEL FRAME JOINT DETAILS:			
	A. DETAILS SUCH AS BRACING AND STIFFENING.		P	
	B. MEMBER LOCATIONS.		P	2-AISC 360 N5.7
	C. APPLICATION OF JOINT DETAILS AT EACH CONNECTION.		P	
ANCHORS	8. INSPECTION OF ANCHOR RODS AND OTHER EMBEDMENTS SUPPORTING STRUCTURAL STEEL:			
	A. DIAMETER, GRADE, TYPE AND LENGTH OF ANCHOR ROD OR EMBEDDED ITEM.		P	2-AISC 360 N5.7
	B. EXTENT OR DEPTH OF EMBEDMENT INTO CONCRETE.		P	
COMPOSITE	9. INSPECTION OF COMPOSITE FLOOR CONSTRUCTION:			
	A. PLACEMENT AND INSTALLATION OF STEEL DECK.		P	AISC TABLE N6.1
	B. PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS.		P	AISC TABLE N6.1
	C. DOCUMENT ACCEPTANCE OR REJECTION OF STEEL ELEMENTS.		P	AISC TABLE N6.1
	10. COLD FORMED STEEL TRUSSES:			
	A. FOR TRUSSES SPANNING 60 FEET OR MORE, VERIFY TEMPORARY AND PERMANENT RESTRAINT/BRACING INSTALLATION IN ACCORDANCE WITH THE APPROVED TRUSS SUBMITTAL PACKAGE.		P	IBC 1705.2.4

NOTE:
BOLTING INSPECTION PERSONNEL SHALL BE QUALIFIED ON THE BASIS OF DOCUMENTED TRAINING AND EXPERIENCE IN STRUCTURAL BOLTING INSPECTION.

CONCRETE CONSTRUCTION - IBC SECTION 1705.3

VERIFICATION AND INSPECTION	REQUIRED	EXTENT: CONTINUOUS, PERIODIC, OR SUBMITTAL	REFERENCED STANDARD	IBC REFERENCE
1. INSPECTION OF REINFORCING STEEL, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT.		P	ACI 318 CH. 20, 25.2, 25.3, 26.6.1-26.6.3	1908.4
2. INSPECTION OF REINFORCING STEEL WELDING IN ACCORDANCE WITH TABLE 1705.2.2, ITEM 2b.				
A. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706;		P	AWS D1.4, ACI 318:26.6.4	
B. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16" ; AND		P	AWS D1.4, ACI 318:26.6.4	
C. INSPECT ALL OTHER WELDS.		C	AWS D1.4, ACI 318:26.6.4	
3. INSPECTION OF ANCHORS CAST IN CONCRETE .		P	ACI 318: 17.8.2	
4. INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS. SEE NOTE 2.				
A. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARD INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.		C	ACI 318: 17.8.2.4	
B. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.A.		P	ACI 318: 17.8.2	
5. VERIFY USE OF REQUIRED DESIGN MIX.		P	ACI 318: CH 19, 26.4.3, 26.4.4	1904.1, 1904.2, 1908.2, 1908.3
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.		C	ASTM C 172, ASTM C 31, ACI 318: 26.4, 26.12	1908.10
7. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.		C	ACI 318: 26.5	1908.6, 1908.7, 1908.8
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.		P	ACI 318: 26.5.3-26.5.5	1908.9
9. INSPECTION OF PRESTRESSED CONCRETE:				
A. APPLICATION OF PRESTRESSING FORCES.		C	ACI 318: 26.10	-
B. GROUTING OF BONDED PRESTRESSING TENDONS.		C	ACI 318: 26.10	-
10. INSPECT ERECTION OF PRECAST MEMBERS.		P	ACI 318: CH 26.8	-
11. VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.		P	ACI 318: 26.11.2	-
12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.		P	ACI 318: 26.11.1.2(b)	-

NOTES:

1. WHERE APPLICABLE, SEE ALSO IBC SECTION 1705.12, SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE.

2. SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE INCLUDED IN THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPROVED SOURCE IN ACCORDANCE WITH 17.8.2 IN ACI 318, OR OTHER QUALIFICATION PROCEDURES. WHERE SPECIFIC REQUIREMENTS ARE NOT PROVIDED, SPECIAL INSPECTION REQUIREMENTS SHALL BE SPECIFIED BY THE REGISTERED DESIGN PROFESSIONAL AND SHALL BE APPROVED BY THE BUILDING PROFESSIONAL PRIOR TO THE COMMENCEMENT OF THE WORK.

SOILS & FOUNDATION CONSTRUCTION - IBC SECTION 1705.6, 1705.7, 1705.8 AND 1705.9

VERIFICATION AND INSPECTION	REQUIRED	EXTENT: CONTINUOUS, PERIODIC, OR SUBMITTAL	REFERENCED STANDARD
1. INSPECTION OF SOILS:			
A. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.		P	
B. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.		P	
C. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.		P	IBC TABLE 1705.6
D. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.		C	
E. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.		P	
2. DRIVEN DEEP FOUNDATIONS:			
A. VERIFY ELEMENT MATERIALS, SIZES AND LENGTHS COMPLY WITH THE REQUIREMENTS.		C	
B. DETERMINE CAPACITIES OF TEST ELEMENTS AND CONDUCT ADDITIONAL LOAD TESTS, AS REQUIRED.		C	
C. OBSERVE DRIVING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH ELEMENT.		C	
D. VERIFY PLACEMENT LOCATIONS AND PLUMBNESS, CONFIRM TYPE AND SIZE OF HAMMER, RECORD NUMBER OF BLOWS PER FOOT OF PENETRATION, DETERMINE REQUIRED PENETRATIONS TO ACHIEVE DESIGN CAPACITY, RECORD TIP AND BUTT ELEVATIONS AND DOCUMENT DAMAGE TO FOUNDATION ELEMENT.		C	IBC TABLE 1705.7
E. FOR STEEL ELEMENTS, PERFORM ADDITIONAL INSPECTIONS IN ACCORDANCE WITH IBC SECTION 1705.2.			
F. FOR CONCRETE ELEMENTS AND CONCRETE-FILLED ELEMENTS, PERFORM ADDITIONAL INSPECTIONS IN ACCORDANCE WITH IBC SECTION 1705.3.			
G. FOR SPECIALTY ELEMENTS, PERFORM ADDITIONAL INSPECTIONS AS DETERMINED BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.			
3. CAST-IN-PLACE DEEP FOUNDATIONS:			
A. INSPECT DRILLING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH ELEMENT.		C	
B. VERIFY PLACEMENT LOCATIONS AND PLUMBNESS, CONFIRM ELEMENT DIAMETERS, BELL DIAMETERS (IF APPLICABLE), LENGTHS, EMBEDMENT INTO BEDROCK (IF APPLICABLE) AND ADEQUATE END-BEARING STRATA CAPACITY. RECORD CONCRETE OR GROUT VOLUMES.		C	IBC TABLE 1705.8
C. FOR CONCRETE ELEMENTS, PERFORM TESTS AND ADDITIONAL-SPECIAL INSPECTIONS IN ACCORDANCE WITH IBC SECTION 17O5.3.			
4. HELICAL PILE FOUNDATIONS:			
A. INSPECT PILE INSTALLATION AND RECORD INSTALLATION EQUIPMENT USED, PILE DIMENSIONS, TIP ELEVATIONS, FINAL DEPTH, FINAL INSTALLATION TORQUE AND OTHER PERTINENT INSTALLATION DATA AS REQUIRED BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.		C	IBC 1705.9

WIND RESISTANCE - STRUCTURAL IBC SECTION 1705.10

VERIFICATION AND INSPECTION	REQUIRED	EXTENT: CONTINUOUS OR PERIODIC	REFERENCE STANDARD
1. STRUCTURAL WOOD			
A. FIELD GLUING ELEMENTS OF THE MAIN WINDFORCE-RESISTING SYSTEM		C	
B. NAILING, BOLTING, ANCHORING AND OTHER FASTENINGS WITHIN THE MAIN WINDFORCE-RESISTING SYSTEM, INCLUDING WOOD SHEAR WALLS, WOOD DIAPHRAGMS, DRAG STRUTS, BRACES, AND HOLD-DOWNS. EXCEPTION: SPECIAL INSPECTIONS ARE NOT REQUIRED FOR WOOD SHEAR WALLS, SHEAR PANELS AND DIAPHRAGMS, INCLUDING NAILING, BOLTING, ANCHORING AND OTHER FASTENING TO OTHER ELEMENTS OF THE MAIN WINDFORCE-RESISTING SYSTEM, WHERE THE FASTENER SPACING OF THE SHEATHING IS MORE THAN 4 INCHES ON CENTER.		P	IBC 1705.11.1
2. COLD-FORMED STEEL LIGHT-FRAME CONSTRUCTION			
A. WELDING OPERATIONS OF ELEMENTS OF THE MAIN WINDFORCE-RESISTING SYSTEM		P	
B. SCREW ATTACHMENT, BOLTING, ANCHORING AND OTHER FASTENING OF ELEMENTS OF THE MAIN WINFORCE-RESISTING SYSTEM, INCLUDING SHEAR WALLS, BRACES, DIAPHRAGMS, COLLECTORS (DRAG STRUTS) AND HOLD-DOWNS. EXCEPTION: SPECIAL INSPECTION IS NOT REQUIRED FOR COLD-FORMED STEEL LIGHT-FRAME SHEAR WALLS AND DIAPHRAGMS, INCLUDING SCREWING, BOLTING, ANCHORING, AND FASTENING TO COMPONENTS OF THE WINDFORCE RESISTING SYSTEM, COLLECTORS (DRAG STRUTS) AND HOLD-DOWNS WHERE EITHER OF THE FOLLOWING APPLIES: 1. THE SHEATHING IS GYPSUM BOARD OR FIBERBOARD. 2. THE SHEATHING IS WOOD STRUCTURAL PANEL OR STEEL SHEETS ON ONLY ONE SIDE OF THE SHEAR WALL, SHEAR PANEL OR DIAPHRAGM ASSEMBLY AND THE FASTENER SPACING OF THE SHEATHING IS MORE THAN 4 INCHES ON CENTER.		P	IBC 1705.11.2
3. WIND-RESISTING COMPONENTS			
A. ROOF CLADDING, ROOF DECK AND ROOF FRAMING CONNECTIONS.		P	IBC 1705. 11.3
B. EXTERIOR WALL COVERING AND WALL CONNECTIONS TO ROOF AND FLOOR DIAPHRAGMS AND FRAMING.		P	

SEISMIC RESISTANCE - STRUCTURAL IBC SECTION 1705.12

	VERIFICATION AND INSPECTION	REQUIRED	EXTENT: O - OBSERVE ON RANDOM DAILY BASIS. P - PERFORM PRIOR TO ACCEPTANCE . D - PREPARE REPORT	REFERENCED STANDARD
	1. STRUCTURAL STEEL:			
WELDING	A. VISUAL INSPECTION TASKS PRIOR TO WELDING:			
	1) MATERIAL IDENTIFICATION (TYPE/ GRADE).		O	
	2) WELDER IDENTIFICATION SYSTEM.		O	
	3) FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY). - JOINT PREPARATION - DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL). - CLEANLINESS (CONDITION OF STEEL SURFACES). - TACKING (TACK WELD QUALITY AND LOCATION). - BACKING TYPE AND FIT (IF APPLICABLE).		O	AISC 341 TABLE J6-1
	4) CONFIGURATION AND FINISH OF ACCESS HOLES.		O	
	5) FIT-UP OF FILLET WELDS. - DIMENSIONS (ALIGNMENT, GAPS AT ROOT). - CLEANLINESS (CONDITION OF STEEL SURFACES). - TACKING (TACK WELD QUALITY AND LOCATION).		O	
	B. VISUAL INSPECTION TASKS DURING WELDING:			
	1) WELDING PROCEDURE SPECIFICATIONS FOLLOWED. - SETTINGS ON WELDING EQUIPMENT. - TRAVEL SPEED. - SELECTED WELDING MATERIALS. - SHIELDING GAS TYPE/FLOW RATE. - PREHEAT APPLIED. - INTERPASS TEMPERATURE MAINTAINED (MIN/MAX). - PROPER POSITION (F, V, H, OH). - INTERMIX OF FILLER MATERIALS AVOIDED UNLESS APPROVED.		O	
	2) USE OF QUALIFIED WELDERS.		O	
	3) CONTROL AND HANDLING OF WELDING CONSUMABLES. - PACKAGING. - EXPOSURE CONTROL.		O	AISC 341 TABLE J6-2
	4) ENVIRONMENTAL CONDITIONS. - WIND SPEED WITHIN LIMITS. - PRECIPITATION AND TEMPERATURE.		O	
	5) WELDING TECHNIQUES. - INTERPASS AND FINAL CLEANING. - EACH PASS WITHIN PROFILE LIMITATIONS. - EACH PASS MEETS QUALITY REQUIREMENTS.		O	
	6) NO WELDING OVER CRACKED TACKS.		O	
	C. VISUAL INSPECTION TASKS AFTER WELDING:			
	1) WELDS CLEANED.		O	
	2) SIZE, LENGTH, AND LOCATION OF WELDS.		P	
	3) WELDS MEET VISUAL ACCEPTANCE CRITERIA. - CRACK PROHIBITION. - WELD/BASE-METAL FUSION. - CRATER CROSS SECTION. - WELD PROFILES AND SIZE. - UNDERCUT. - POROSITY.		P & D	AISC 341 TABLE J6-3
	4) PLACEMENT OF REINFORCING OR CONTOURING FILLET WELDS (IF REQUIRED).		P & D	
	5) BACKING REMOVED, WELD TABS REMOVED AND FINISHED, AND FILLET WELDS ADDED (IF REQUIRED).		P & D	
	6) REPAIR ACTIVITIES.		P & D	
	D. NON-DESTRUCTIVE TESTING OF WELDED JOINTS AS REQUIRED BY REFERENCED STANDARD.		P & D	AISC 341, J6.2
BOLTING	E. INSPECTION TASKS PRIOR TO BOLTING:			
	1) PROPER FASTENERS SELECTED FOR THE JOINT DETAIL.		O	
	2) PROPER BOLTING PROCEDURE SELECTED FOR JOINT DETAIL.		O	
	3) CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS.		O	AISC 341, TABLE J7-1
	4) PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED FOR FASTENER ASSEMBLIES AND METHODS USED.		O & D	
	5) PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS.		O	
	F. INSPECTION TASKS DURING BOLTING:			
	1) FASTENER ASSEMBLIES PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE POSITIONED AS REQUIRED.		O	
	2) JOINT BROUGHT TO THE SNUG TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION.		O	AISC 341, TABLE J7-2
	3) FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING.		O	
	4) BOLTS ARE PRETENSIONED PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES.		O	
	G. INSPECTION TASKS AFTER BOLTING:			
	1) DOCUMENT ACCEPTED AND REJECTED CONNECTIONS.		P & D	AISC 341, TABLE J7-3
COMPOSITE STRUCTURES	H. INSPECTION OF COMPOSITE STRUCTURES PRIOR TO CONCRETE PLACEMENT			
	MATERIAL IDENTIFICATION OF REINFORCING STEEL (TYPE/GRADE)		O	
	DETERMINATION OF CARBON EQUIVALENT FOR REINFORCING STEEL OTHER THAN ASTM A706		O	
	PROPER REINFORCING STEEL SIZE, SPACING AND ORIENTATION		O	
	REINFORCING STEEL HAS NOT BEEN REBENT IN THE FIELD		O	ACI 341 TABLE J9-1
	REINFORCING STEEL HAS BEEN TIED AND SUPPORTED AS REQUIRED		O	
	REQUIRED REINFORCING STEEL CLEARANCES HAVE BEEN PROVIDED		O	
	COMPOSITE MEMBER HAS REQUIRED SIZE		O	
	I. INSPECTION OF COMPOSITE STRUCTURES DURING CONCRETE PLACEMENT			
	CONCRETE: MATERIAL IDENTIFICATION (MIX DESIGN, COMPRESSIVE STRENGTH, MAXIMUM LARGE AGGREGATE SIZE, MAXIMUM SLUMP)		O&D	
	LIMITS ON WATER ADDED AT THE TRUCK OR PUMP		O&D	ACI 341 TABLE J9-2
	PROPER PLACEMENT TECHNIQUES TO LIMIT SEGREGATION		O	
	J. INSPECTION OF COMPOSITE STRUCTURES AFTER CONCRETE PLACEMENT			
	ACHIEVEMENT OF MINIMUM SPECIFIED CONCRETE COMPRESSIVE STRENGTH AT SPECIFIC AGE		D	ACI 341 TABLE J9-3
	K. OTHER INSPECTION TASKS:			
	1) REDUCED BEAM SECTION REQUIREMENTS. (IF APPLICABLE) - CONTOUR AND FINISH. - DIMENSIONAL TOLERANCES.		P & D	AISC 341, TABLE J8-1
	2) PROTECTED ZONE - NO HOLES AND UNAPPROVED ATTACHMENTS MADE BY FABRICATOR OR ERECTOR, AS APPLICABLE.		P & D	
WOOD	2. STRUCTURAL WOOD:			
	A. FIELD GLUING OPERATIONS OF ELEMENTS OF THE SEISMIC FORCE-RESISTING SYSTEM.		CONTINUOUS	IBC 1705.12.2
	B. NAILING, BOLTING, ANCHORING AND OTHER FASTENING OF ELEMENT OF THE SEISMIC FORCE-RESISTING SYSTEM, INCLUDING WOOD SHEAR WALLS, WOOD DIAPHRAGMS, DRAG STRUTS, BRACES, SHEAR PANELS AND HOLD-DOWNS. EXCEPTION: SPECIAL INSPECTIONS ARE NOT REQUIRED FOR WOOD SHEAR WALLS, SHEAR PANELS AND DIAPHRAGMS, INCLUDING NAILING, BOLTING, ANCHORING AND OTHER FASTENING TO OTHER ELEMENTS OF THE SEISMIC FORCE-RESISTING SYSTEM, WHERE THE FASTENER SPACING OF THE SHEATHING IS MORE THAN 4 INCHES ON CENTER.		PERIODIC	IBC 1705.12.2
COLD-FORMED	3. COLD-FORMED STEEL FRAMING:			
	A. WELDING OPERATIONS OF ELEMENTS OF THE SEISMIC FORCE-RESISTING SYSTEM.		PERIODIC	IBC 1705.12.3
	B. SCREW ATTACHMENT, BOLTING, ANCHORING AND OTHER FASTENING OF ELEMENTS OF THE SEISMIC FORCE-RESISTING SYSTEM, INCLUDING SHEAR WALLS, BRACES, DIAPHRAGMS, COLLECTORS (DRAG STRUTS) AND HOLD-DOWNS. EXCEPTION: SPECIAL INSPECTION IS NOT REQUIRED FOR COLD-FORMED STEEL LIGHT-FRAME SHEAR WALLS AND DIAPHRAGMS, INCLUDING SCREW INSTALLATION, BOLTING, ANCHORING, AND OTHER FASTENING TO COMPONENTS OF THE SEISMIC FORCE-RESISTING SYSTEM, WHERE EITHER OF THE FOLLOWING APPLIES: 1. THE SHEATHING IS GYPSUM BOARD OR FIBERBOARD. 2. THE SHEATHING IS WOOD STRUCTURAL PANEL OF STEEL SHEETS ON ONLY ONE SIDE OF THE SHEAR WALL, SHEAR PANEL OR DIAPHRAGM ASSEMBLY AND THE FASTENER SPACING OF THE SHEATHING IS MORE THAN 4 INCHES ON CENTER.		PERIODIC	IBC 1705.12.3
	4. SEISMIC ISOLATION SYSTEM:			
	A. PERIODIC SPECIAL INSPECTION FOR SEISMIC ISOLATION SYSTEMS DURING FABRICATION AND INSTALLATION OF ISOLATOR UNITS AND ENERGY DISSIPATION DEVICES.		PERIODIC	IBC 1705.11.8

BLUE ROOM

BLUE ROOM ARCHITECTURE & DESIGN, P.S.

HISTORIC SALTESE SCHOOLHOUSE
PO BOX 628
SPOKANE VALLEY, WA 99037
(509) 456-6800

www.brdstudio.com

CIVIL ENGINEER
PACIFIC ENGINEERING & DESIGN PLLC
200 SOUTH COLUMBIA, SUITE 300
WENATCHEE, WA 98801
(509) 662-1161

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MECHANICAL ENGINEER
ROUTH CONSULTING ENGINEERS INC
PO BOX 3187
PASCO, WA 99301
(509) 547-8262

ELECTRICAL ENGINEER
PICATTI ENGINEERING AND SERVICES LLC
PO BOX 10034
YAKIMA, WA 98909
(509) 248-1447

DRAFT

INTERIOR REMODEL AND BUILDING ADDITION FOR:

FISH

804 ELMVIEW ROAD
ELLENSBURG, WASHINGTON 98926

PROJECT NUMBER: 20131SA
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REVISIONS: -

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SPECIAL INSPECTIONS

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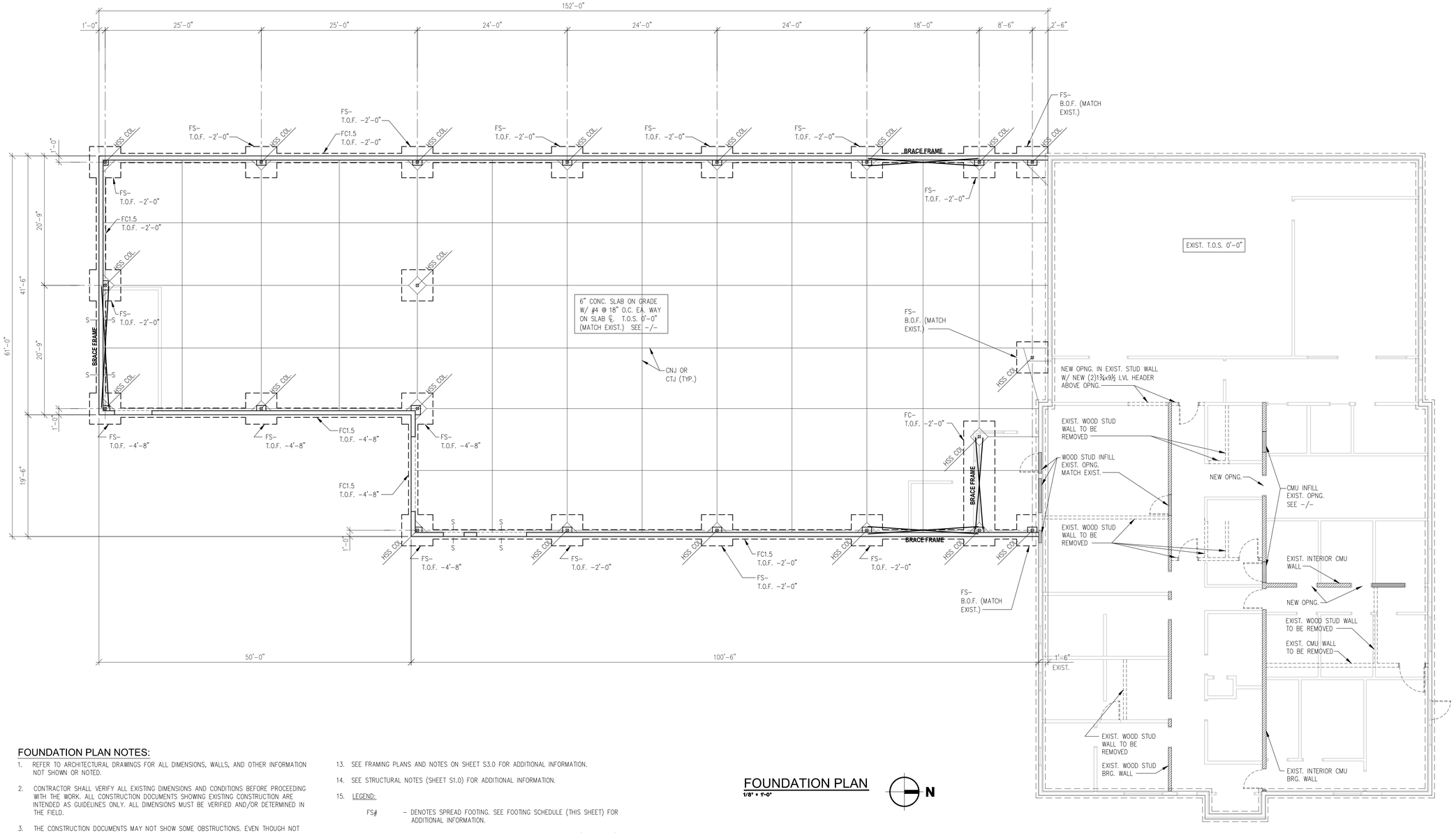

FOUNDATION PLAN

1/8" = 1'-0"

N

FOUNDATION PLAN NOTES:

1. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS, WALLS, AND OTHER INFORMATION NOT SHOWN OR NOTED.
2. CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS BEFORE PROCEEDING WITH THE WORK. ALL CONSTRUCTION DOCUMENTS SHOWING EXISTING CONSTRUCTION ARE INTENDED AS GUIDELINES ONLY. ALL DIMENSIONS MUST BE VERIFIED AND/OR DETERMINED IN THE FIELD.
3. THE CONSTRUCTION DOCUMENTS MAY NOT SHOW SOME OBSTRUCTIONS. EVEN THOUGH NOT SHOWN OR SPECIFICALLY MENTIONED, THE REMOVAL AND REPLACEMENT OF MINOR OBSTRUCTIONS SHOULD BE ANTICIPATED AND ACCOMPLISHED.
4. CONTRACTOR SHALL PROVIDE TEMPORARY BRACING AND/OR SHORING OF THE STRUCTURE AND STRUCTURAL COMPONENTS UNTIL ALL FINAL CONNECTIONS HAVE BEEN COMPLETED IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS.
5. CONTRACTOR TO EQUAL SPACE CONTROL AND CONSTRUCTION JOINTS PER THE FOUNDATION PLAN. CONTRACTOR SHALL PLACE CONTROL AND CONSTRUCTION JOINTS SO THAT THE MAXIMUM LENGTH OF ANY SECTION OF SLAB IS (36) TIMES THE NET SLAB THICKNESS. MAXIMUM SLAB SECTION RECTANGULAR RATIO SHALL BE 2:1.
6. TYPICAL FLOOR CONSTRUCTION TO BE 4" CONCRETE SLAB ON GRADE WITH 4X4 – W2.9XW2.9 WWR ON SLAB CENTERLINE.
7. SILL BOLTS SHALL BE SPACED NO FARTHER APART THAN SPECIFIED. THERE SHALL BE A MINIMUM OF TWO BOLTS PER BOTTOM PLATE WITH ONE BOLT LOCATED NOT MORE THAN 12" OR LESS THAN 7 BOLT DIAMETERS FROM EACH END OF EACH BOTTOM PLATE. A PROPERLY SIZED NUT AND WASHER SHALL BE TIGHTENED ON EACH BOLT TO THE PLATE. FASTENERS FOR PRESERVATIVE-TREATED AND FIRE-RETARDANT-TREATED WOOD SHALL BE OF HOT-DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER.
8. PLATE WASHERS A MINIMUM OF 3" BY 3" BY 0.229" THICK OR SIMPSON "BPS" BEARING PLATES SHALL BE USED ON EACH SILL BOLT AT SHEAR WALLS AND SHALL BE GALVANIZED.
9. DEPRESS TOP OF FOUNDATION WALL AT ALL DOOR LOCATIONS AND POUR SLAB THROUGH. PROVIDE 1" SAND OR OTHER BOND BREAKER BETWEEN BOTTOM OF SLAB AND TOP OF WALL.
10. SEE 11/S1.3 WHERE PIPING OCCURS PERPENDICULAR TO FOUNDATION WALL.
11. DO NOT BACKFILL RETAINING WALLS FOR 21 DAYS OR UNTIL CONCRETE REACHES DESIGN STRENGTH PER CYLINDER TESTS.
12. FOR MASONRY WALL REINFORCING AND GROUTING REQUIREMENTS, SEE MASONRY WALL SCHEDULE (-/-) FOR ADDITIONAL INFORMATION.
13. SEE FRAMING PLANS AND NOTES ON SHEET S3.0 FOR ADDITIONAL INFORMATION.
14. SEE STRUCTURAL NOTES (SHEET S1.0) FOR ADDITIONAL INFORMATION.
15. LEGEND:

FS#	– DENOTES SPREAD FOOTING. SEE FOOTING SCHEDULE (THIS SHEET) FOR ADDITIONAL INFORMATION.
FC#	– DENOTES CONTINUOUS FOOTING. SEE FOOTING SCHEDULE (THIS SHEET) FOR ADDITIONAL INFORMATION.
S-S	– DENOTES FOOTING STEP. SEE -/- FOR ADDITIONAL INFORMATION.
T.O.F.	– DENOTES TOP OF FOOTING ELEVATION.
T.O.S.	– DENOTES TOP OF SLAB ELEVATION
F.F.	– DENOTES TOP OF FINISHED FLOOR ELEVATION.
CTJ	– DENOTES CONTROL JOINT. SEE SECTION -/- FOR ADDITIONAL INFORMATION.
CNJ	– DENOTES CONSTRUCTION JOINT. SEE SECTION -/- FOR ADDITIONAL INFORMATION.
M#	– DENOTES MASONRY WALL MARK. SEE MASONRY WALL SCHEDULE (-/-) FOR ADDITIONAL INFORMATION. SEE MASONRY WALL SCHEDULE FOR TYPICAL WALL REINFORCING FOR ALL OTHER WALLS NOT DENOTED.
☒	– DENOTES STEEL COLUMN LOCATIONS.

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PASCO, WA 99301
(509) 547-8262

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PICATTI ENGINEERING AND SERVICES LLC
PO BOX 10034
YAKIMA, WA 98909
(509) 248-1447

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INTERIOR REMODEL AND BUILDING ADDITION FOR:

ELISH

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FOUNDATION PLAN

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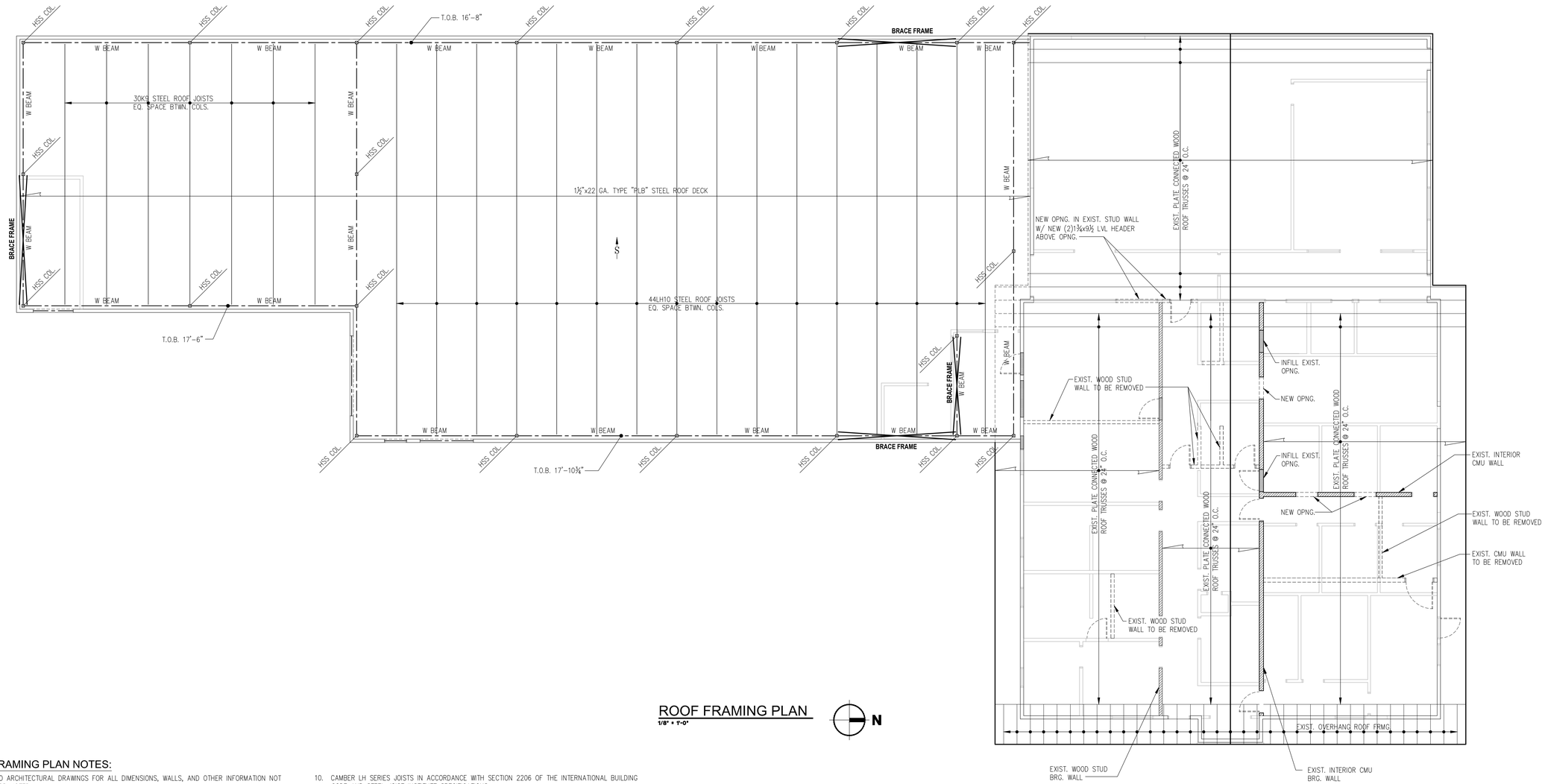

ROOF FRAMING PLAN

1/8" = 1'-0"

N

NOTES:
1. ALL WALLS NOT NOTED OTHERWISE ARE WOOD STUD WALLS.
2. EXISTING NORTH AND SOUTH EXTERIOR WALLS ARE BEARING WALLS.

ROOF FRAMING PLAN NOTES:

1. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS, WALLS, AND OTHER INFORMATION NOT SHOWN OR NOTED.
2. CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS BEFORE PROCEEDING WITH THE WORK. ALL CONSTRUCTION DOCUMENTS SHOWING EXISTING CONSTRUCTION ARE INTENDED AS GUIDELINES ONLY. ALL DIMENSIONS MUST BE VERIFIED AND/OR DETERMINED IN THE FIELD.
3. THE CONSTRUCTION DOCUMENTS MAY NOT SHOW SOME OBSTRUCTIONS. EVEN THOUGH NOT SHOWN OR SPECIFICALLY MENTIONED, THE REMOVAL AND REPLACEMENT OF MINOR OBSTRUCTIONS SHOULD BE ANTICIPATED AND ACCOMPLISHED.
4. CONTRACTOR SHALL PROVIDE TEMPORARY BRACING AND/OR SHORING OF THE STRUCTURE AND STRUCTURAL COMPONENTS UNTIL ALL FINAL CONNECTIONS HAVE BEEN COMPLETED IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS.
5. STEEL JOIST MANUFACTURER TO PROVIDE JOIST DESIGN, ALL BRIDGING, AND OTHER ITEMS REQUIRED FOR A COMPLETE ENGINEERED ROOF FRAMING SYSTEM.
6. STEEL JOIST MANUFACTURER SHALL PROVIDE SPECIALLY DESIGNED JOISTS OR ADDITIONAL JOIST REINFORCING TO SUPPORT MECHANICAL EQUIPMENT AND PIPING LOADS. PIPING SHALL INCLUDE FIRE SPRINKLER EQUIPMENT PIPING AND MECHANICAL EQUIPMENT PIPING. CONTRACTOR SHALL PROVIDE STEEL JOIST MANUFACTURER WITH MECHANICAL EQUIPMENT AND PIPING WEIGHTS AND PLACEMENT PLAN WHERE MECHANICAL, PIPING, OR OTHER SPECIALTY EQUIPMENT OCCUR BETWEEN JOISTS, PROVIDE SUPPORT BETWEEN JOISTS. SEE (7/S8.1) AND (9/S8.1) FOR ADDITIONAL INFORMATION.
7. CONTRACTOR SHALL PROVIDE STEEL JOIST MANUFACTURER WITH LOCATIONS AND SIZES OF MECHANICAL DUCTS WHERE DUCTS REQUIRE PENETRATION THROUGH BRIDGING AND WEB OPENINGS OF ROOF JOISTS.
8. STEEL JOIST MANUFACTURER SHALL VERIFY ADEQUACY OF JOISTS SPECIFIED AND SHALL PROVIDE SPECIALLY DESIGNED JOISTS, ADDITIONAL JOIST REINFORCING, OR ADDITIONAL JOISTS TO ADEQUATELY SUPPORT DRIFTED SNOW CONDITION. SPECIFIED JOISTS INCLUDE SNOW DRIFT LOADS. SEE SNOW DRIFT LOAD DIAGRAM (THIS SHEET).
9. NET WIND UPLIFT IS 5 PSF.
10. CAMBER LH SERIES JOISTS IN ACCORDANCE WITH SECTION 2206 OF THE INTERNATIONAL BUILDING CODE AND STEEL JOIST INSTITUTE SPECIFICATIONS.
11. FOR STEEL ROOF DECK ATTACHMENT, SEE ROOF DECK ATTACHMENT PLAN AND SCHEDULE (-/-) FOR ADDITIONAL INFORMATION.
12. FOR OPENINGS IN STEEL ROOF DECK SEE -/- FOR ADDITIONAL INFORMATION. NOT ALL OPENINGS ARE SHOWN OR NOTED.
13. SEE FOUNDATION PLANS AND NOTES ON SHEET S2.0 FOR ADDITIONAL INFORMATION.
14. SEE STRUCTURAL NOTES (SHEET S1.0) FOR ADDITIONAL INFORMATION.
15. LEGEND:

T.O.J.	– DENOTES TOP OF JOIST ELEVATION.
T.O.B.	– DENOTES TOP OF BEAM ELEVATION.
F.F.	– DENOTES TOP OF FINISH FLOOR ELEVATION.
	– DENOTES ROOF SLOPE DIRECTION.
	– DENOTES STEEL DECK SPAN DIRECTION.
D#	– DENOTES DRIFTED SNOW CONDITION TYPICAL ALONG FULL LENGTH OF WALL UNLESS NOTED OTHERWISE (SEE -/-).
L#	– DENOTES MASONRY WALL LINTEL.
	– DENOTES STEEL COLUMN LOCATION.
	– DENOTES APPROXIMATE SIZE, LOCATION, AND WEIGHT OF MECHANICAL EQUIPMENT. VERIFY WITH MECHANICAL. SEE MECH. FOR ADDITIONAL INFORMATION.

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EXIST. ROOF FRAMING PLAN

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PLUMBING FIXTURE SCHEDULE

SYMBOL	MANUFACTURER	MODEL	TYPE	COLOR	MOUNTING	CW	HW	W	V	ACCESSORIES/REMARKS
P1	KOHLER	K-96057	WATER CLOSET	WHITE	FLOOR	1"	-	4"	2"	K-4670-C SEAT, SLOAN ROYAL 111 FLUSH VALVE
P2	KOHLER	K-2005	LAVATORY	WHITE	WALL	½"	½"	1½"	1½"	MOEN 8430F05 FAUCET, STRAINER DRAIN AND TAILPIECE, P-TRAP, ANGLE STOP VALVES, FLEXIBLE BRAIDED SUPPLIES, INSULATED TRAP AND SUPPLY COVERS
P3	ELKAY	LR2222	1-COMPARTMENT SINK	SST	COUNTER	½"	½"	2"	1½"	MOEN 8701 FAUCET, LK-35 STRAINER DRAIN AND TAILPIECE, P-TRAP, ANGLE STOP VALVES, FLEXIBLE BRAIDED SUPPLIES
P4	GUY GRAY	MIB1AB	WATER SUPPLY BOX	WHITE	WALL	½"	-	-	-	
P5	FIAT	MSB-2424	SERVICE SINK	WHITE	FLOOR	½"	½"	3"	2"	CHICAGO 897-CCP FAUCET, 889CC MOP HANGER, 832AA HOSE AND WALL BRACKET, (2) MSG2424 SST WALL GUARDS
P6	KOHLER	K-6716	UTILITY SINK	WHITE	FLOOR	½"	½"	3"	2"	K-6673 PEDESTAL TRAP, K-8905 FAUCET, STAINLESS STEEL RIM GUARD

PUMP SCHEDULE

SYMBOL	MANUFACTURER	MODEL	SERVICE	TYPE	FLOWRATE (GPM)	HEAD (FT H20)	MOTOR HP	MOTOR RPM	V/PH	ACCESSORIES/REMARKS
DHWP-1	TACO	008-BC6-IPNP	DOMESTIC HOT WATER	INLINE CIRCULATOR	3	10	1/25	3250	115/1	PLUMB & PLUG DIGITAL TIMER

HEAT PUMP SCHEDULE

SYMBOL	MANUFACTURER	MODEL	TYPE	REFRIGERANT	COOLING		HEATING		ELECTRICAL			WEIGHT (LBS)	ACCESSORIES/REMARKS
					TOTAL CAPACITY (BTUH)	EER	TOTAL CAPACITY (BTUH)	COP	MCA	MOCP	V/PH		
HP-1	MITSUBISHI	PURY-HP192TSNU-A	VRF HYPER HEAT HEAT RECOVERY	R-410A	192000	11.9	215000	3.6	(2) 44	(2) 70	208/3	1324	CMY-R200NCBK TWINNING KIT, AE-200A CENTRAL CONTROLLER, SS100M-12 SUPERSTAND
HP-2	MITSUBISHI	PUHY-EP192TNU-A	VRF HEAT PUMP	R-410	192000	10.7	215000	3.5	68	110	208/3	757	CMY-Y1010C-G HEADER KIT, SS100M-12 SUPERSTAND

BRANCH CONTROLLER SCHEDULE

SYMBOL	MANUFACTURER	MODEL	TYPE	NUMBER OF PORTS	ELECTRICAL			WEIGHT (LBS)	ACCESSORIES/REMARKS
					MCA	MOCP	V/PH		
BC-1	MITSUBISHI	CMB-P1012NU-JA1	MULTI-PORT	12	1.6	15	208/1	133	

FAN/COIL UNIT SCHEDULE

SYMBOL	MANUFACTURER	MODEL	TYPE	AIRFLOW (CFM)	ESP (IN H20)	IFM HP	COOLING			HEATING			ELECTRICAL			WEIGHT (LBS)	ACCESSORIES/REMARKS
							TOTAL CAPACITY (BTUH)	EVAP EAT DB/WB (°F)	COND EAT (°F)	TOTAL CAPACITY (BTUH)	EVAP EAT (°F)	COND EAT (°F)	MCA	MOCP	V/PH		
FC-1-1	MITSUBISHI	PEFY-P36NMAU-E3	VRF CONCEALED MEDIUM STATIC	1150	0.4	240W	36000	80/67	95	40000	47	70	3.32	15	208/1	34	CONDENSATE PUMP, FBM2-4 FILTER BOX WITH (2) 14"x20"x2" AND (1) 14"x14"X2" MERV 13 FILTER, PAR-40MMAU CONTROLLER
FC-1-2	MITSUBISHI	PEFY-P24NMAU-E3	VRF CONCEALED MEDIUM STATIC	800	0.4	170W	24000	80/67	95	27000	47	70	2.73	15	208/1	99	CONDENSATE PUMP, FBM2-3 FILTER BOX WITH (2) 14"x20"x2" MERV 13 FILTERS, PAR-40MMAU CONTROLLER
FC-1-3	MITSUBISHI	PLFY-P05NFMU-E	VRF 24"x24" CEILING CASSETTE	280	-	50W	5000	80/67	95	5600	47	70	0.24	15	208/1	34	SLP-18FAU GRILLE, PAR-32MAA-J WIRED CONTROLLER
FC-1-4	MITSUBISHI	PEFY-P24NMAU-E3	VRF CONCEALED MEDIUM STATIC	800	0.4	170W	24000	80/67	95	27000	47	70	2.73	15	208/1	99	CONDENSATE PUMP, FBM2-3 FILTER BOX WITH (2) 14"x20"x2" MERV 13 FILTERS, PAR-40MMAU CONTROLLER
FC-1-5	MITSUBISHI	PEFY-P24NMAU-E3	VRF CONCEALED MEDIUM STATIC	800	0.4	170W	24000	80/67	95	27000	47	70	2.73	15	208/1	99	CONDENSATE PUMP, FBM2-3 FILTER BOX WITH (2) 14"x20"x2" MERV 13 FILTERS, PAR-40MMAU CONTROLLER
FC-1-6	MITSUBISHI	PEFY-P18NMAU-E3	VRF CONCEALED MEDIUM STATIC	600	0.4	160W	18000	80/67	95	20000	47	70	1.56	15	208/1	84	CONDENSATE PUMP, FBM2-2 FILTER BOX WITH (1) 14"x20"x2" AND (1) 14"x14"x2" MERV 13 FILTER, PAR-40MMAU CONTROLLER
FC-1-7	MITSUBISHI	PEFY-P15NMAU-E3	VRF CONCEALED MEDIUM STATIC	450	0.4	140W	15000	80/67	95	17000	47	70	1.45	15	208/1	84	CONDENSATE PUMP, FBM2-2 FILTER BOX WITH (1) 14"x20"x2" AND (1) 14"x14"x2" MERV 13 FILTER, PAR-40MMAU CONTROLLER
FC-1-8	MITSUBISHI	PEFY-P18NMAU-E3	VRF CONCEALED MEDIUM STATIC	600	0.4	160W	18000	80/67	95	20000	47	70	1.56	15	208/1	84	CONDENSATE PUMP, FBM2-2 FILTER BOX WITH (1) 14"x20"x2" AND (1) 14"x14"x2" MERV 13 FILTER, PAR-40MMAU CONTROLLER
FC-1-9	MITSUBISHI	PEFY-P12NMAU-E3	VRF CONCEALED MEDIUM STATIC	350	0.4	138W	12000	80/67	95	13500	47	70	1.20	15	208/1	69	CONDENSATE PUMP, FBM2-1 FILTER BOX WITH (1) 14"x25"x2" MERV 13 FILTERS, PAR-40MMAU CONTROLLER
FC-1-10	MITSUBISHI	PEFY-P08NMAU-E3	VRF CONCEALED MEDIUM STATIC	300	0.4	117W	8000	80/67	95	9000	47	70	1.05	15	208/1	69	CONDENSATE PUMP, FBM2-1 FILTER BOX WITH (1) 14"x25"x2" MERV 13 FILTERS, PAR-33MAA-J CONTROLLER
FC-1-11	MITSUBISHI	PLFY-P12NFMU-E	VRF 24"x24" CEILING CASSETTE	335	-	50W	12000	80/67	95	13500	47	70	0.29	15	208/1	37	SLP-18FAU GRILLE, PAR-32MAA-J WIRED CONTROLLER
FC-1-12	MITSUBISHI	PEFY-P12NMAU-E3	VRF CONCEALED MEDIUM STATIC	350	0.4	138W	12000	80/67	95	13500	47	70	1.20	15	208/1	69	CONDENSATE PUMP, FBM2-1 FILTER BOX WITH (1) 14"x25"x2" MERV 13 FILTERS, PAR-40MMAU CONTROLLER
FC-2-1	MITSUBISHI	PVFY-P48NAMU-E1	MULTI-POSITION FAN/COIL	1400	0.4	1 ECM	48000	80/67	95	54000	47	70	5.7	15	208/1	172	CONDENSATE PUMP, AIR FILTER, PAR-40MAAU REMOTE CONTROLLER
FC-2-2	MITSUBISHI	PVFY-P48NAMU-E1	MULTI-POSITION FAN/COIL	1400	0.4	1 ECM	48000	80/67	95	54000	47	70	5.7	15	208/1	172	CONDENSATE PUMP, AIR FILTER, PAR-40MAAU REMOTE CONTROLLER
FC-2-3	MITSUBISHI	PVFY-P48NAMU-E1	MULTI-POSITION FAN/COIL	1400	0.4	1 ECM	48000	80/67	95	54000	47	70	5.7	15	208/1	172	CONDENSATE PUMP, AIR FILTER, PAR-40MAAU REMOTE CONTROLLER
FC-2-4	MITSUBISHI	PVFY-P48NAMU-E1	MULTI-POSITION FAN/COIL	1400	0.4	1 ECM	48000	80/67	95	54000	47	70	5.7	15	208/1	172	CONDENSATE PUMP, AIR FILTER, PAR-40MAAU REMOTE CONTROLLER

GENERAL NOTES

1. ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE INTERNATIONAL BUILDING CODE, THE INTERNATIONAL MECHANICAL CODE, THE UNIFORM PLUMBING CODE AND THE WASHINGTON STATE COMMERCIAL ENERGY CODE.
2. INSTALL MATERIALS AND EQUIPMENT IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTION. PROVIDE ACCESSORIES AND INCIDENTAL ITEMS NECESSARY FOR A COMPLETE INSTALLATION.
3. DOMESTIC HOT AND COLD WATER PIPING SHALL BE TYPE L COPPER TUBE WITH WROUGHT COPPER SOLDER FITTINGS, OR PEX-B TUBING WITH METAL INSERT FITTINGS AND CRIMP RINGS. MAKE COPPER JOINTS WITH LEAD-FREE SOLDER. FABRICATE, INSTALL, SUPPORT AND TEST IN ACCORDANCE WITH THE UNIFORM PLUMBING CODE.
4. SANITARY WASTE AND VENT AND RAINWATER PIPING SHALL BE SCHEDULE 40 PVC PLASTIC PIPE AND FITTINGS WITH SOLVENT CEMENT JOINTS. FABRICATE, INSTALL, SUPPORT AND TEST IN ACCORDANCE WITH THE UNIFORM PLUMBING CODE.
5. PIPING INSULATION SHALL BE PREFORMED GLASS FIBER INSULATION WITH FSK FACING. INSULATION THICKNESS SHALL BE 1" FOR DOMESTIC HOT AND COLD WATER PIPING.
6. DUCTWORK SHALL BE GALVANIZED STEEL SHEET. EXPOSED DUCTWORK SHALL BE SPIRAL CONSTRUCTION. FABRICATE, INSTALL, SUPPORT AND SEAL IN ACCORDANCE WITH SMACNA DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE FOR 2" WG PRESSURE CLASS.
7. FLEXIBLE DUCTWORK SHALL BE BLACK POLYMER FILM SUPPORTED BY SPRING STEEL HELIX WITH 1" THICK GLASS FIBER INSULATION, RATED IN ACCORDANCE WITH UL 181, CLASS 1.
8. DUCTWORK EXTERIOR INSULATION SHALL BE GLASS FIBER BLANKET INSULATION WITH FOIL FACING. INSULATION THICKNESS SHALL BE 1½", INSULATION RIGID SUPPLY, RETURN AND EXHAUST DUCTWORK EXCEPT WHERE DUCTWORK IS SHOWN TO BE INTERNALLY LINED, AND WHERE DUCTWORK IS EXPOSED TO VIEW IN FINISHED SPACES.
9. MOUNT THERMOSTATS AND HUMIDISTATS AT 48" ABOVE FINISHED FLOOR ELEVATION. CONNECT FOR CONTROL OF EQUIPMENT INDICATED.
10. COORDINATE LOCATION OF DIFFUSERS AND GRILLES WITH ARCHITECTURAL REFLECTED CEILING PLAN. RUNOUT DUCTWORK TO DIFFUSERS AND GRILLES SHALL BE 6"ø FOR 6x6 SIZE, 8"ø FOR 8x8 SIZE, 10"ø FOR 10x10 SIZE, ETC. UNLESS OTHERWISE INDICATED.
11. TEST, ADJUST AND BALANCING AIR SYSTEMS IN ACCORDANCE WITH SMACNA, AABC OR NEBB PROCEDURES TO ACHIEVE VALUES INDICATED ON THE DRAWINGS WITHIN +/-10%. PROVIDE REPORT OF BALANCING ACTIVITIES WITH FINAL AIRFLOW AND EQUIPMENT DATA.
12. REFRIGERANT PIPING SHALL BE TYPE ACR COPPER TUBE WITH WROUGHT COPPER SOLDER FITTINGS WITH BRAZED JOINTS. FABRICATE, INSTALL, SUPPORT AND TEST IN ACCORDANCE WITH ASME B31.5. PRE-CHARGED LINE SETS MAY BE USED INSTEAD OF HARD DRAWN TUBING.
13. REFRIGERANT PIPING INSULATION SHALL BE FLEXIBLE ELASTOMERIC TYPE, 1" WALL THICKNESS. INSULATION REFRIGERANT SUCTION PIPING. APPLY UV RESISTANT COATING TO INSULATION EXPOSED TO WEATHER.

PLUMBING LEGEND

—·—·—	COLD WATER PIPING
—··—··—	HOT WATER PIPING
——·——	HOT WATER RECIRCULATION PIPING
———	WASTE PIPING
- - - - -	VENT PIPING
COIW	CLEANOUT IN WALL
COTF	CLEANOUT TO FLOOR
COTG	CLEANOUT TO GRADE
CW	COLD WATER
DHWP	DOMESTIC HOT WATER PUMP
HW	HOT WATER
Px	PLUMBING FIXTURE (SEE SCHEDULE)
V	VENT
VTR	VENT THROUGH ROOF
W	WASTE

HVAC LEGEND

6x6 A 100	AIRFLOW (CFM), TYPE (SEE SCHEDULE), NECK SIZE
12x12	DUCTWORK (SIZE)
	RIGID ROUND DUCTWORK
	FLEXIBLE DUCTWORK
	SPIN-IN FITTING WITH DAMPER
	SUPPLY DUCT RISER
	RETURN/EXHAUST DUCT RISER
FC 1	EQUIPMENT TAG (SEE SCHEDULE)
	SUPPLY DIFFUSER
	RETURN/EXHAUST GRILLE
T FC-1	THERMOSTAT (EQUIPMENT CONTROLLED)
BC	BRANCH CONTROLLER
DH	ELECTRIC DUCT HEATER
EF	EXHAUST FAN
ERV	ENERGY RECOVERY VENTILATOR
FC	FAN/COIL UNIT
HP	HEAT PUMP
L	LOUVER

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HISTORIC SALTESE SCHOOLHOUSE
PO BOX 628
SPOKANE VALLEY, WA 99037
(509) 456-6800

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CIVIL ENGINEER
PACIFIC ENGINEERING & DESIGN PLLC
200 SOUTH COLUMBIA, SUITE 300
WENATCHEE, WA 98801
(509) 662-1161

STRUCTURAL ENGINEER
PACIFIC ENGINEERING & DESIGN PLLC
200 SOUTH COLUMBIA, SUITE 300
WENATCHEE, WA 98801
(509) 662-1161

MECHANICAL ENGINEER
ROUTH CONSULTING ENGINEERS INC
PO BOX 3187
PASCO, WA 99301
(509) 547-8262

ELECTRICAL ENGINEER
PICATTI ENGINEERING AND SERVICES LLC
PO BOX 10034
YAKIMA, WA 98909
(509) 248-1447

RICHARD D. ROUTH
STATE OF WASHINGTON
21939
REGISTERED
PROFESSIONAL ENGINEER

Routh Consulting Engineers, Inc.
P.O. Box 3187 Pasco, WA 99302
509-547-8262 509-542-0650 FAX

INTERIOR REMODEL AND BUILDING ADDITION FOR:

FISH COMMUNITY FOOD BANK

804 ELMVIEW ROAD
ELLENSBURG, WASHINGTON 98926

PROJECT NUMBER: 20008b
DATE: 12/21/2020
DRAWN: RDR
REVISIONS:

SCHEMATIC DESIGN
NOT FOR CONSTRUCTION

GENERAL NOTES
EQUIPMENT SCHEDULES

M0.1

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REGISTER, DIFFUSER, GRILLE SCHEDULE

SYMBOL	MANUFACTURER	MODEL	SERVICE	TYPE	STYLE	MATERIAL	COLOR	MOUNTING	DAMPER	ACCESSORIES/REMARKS
A	TITUS	MCD	SUPPLY	4-WAY DIFFUSER	REMOVABLE MODULAR CORES	STEEL	WHITE	SEE NOTE	-	SQUARE-TO-ROUND ADAPTER
B	TITUS	350RL	RETURN/ EXHAUST	FIXED GRILLE	HORIZONTAL FACE BARS 35° DEFLECTION	STEEL	WHITE	SEE NOTE	-	SQUARE-TO-ROUND ADAPTER
C	TITUS	V-1	DOAS SUPPLY	ROUND	VORTEX PATTERN	STEEL	WHITE	CEILING FLANGE	-	

NOTE: PROVIDE 24x24 LAY-IN PAN FOR RGDs INSTALLED IN SUSPENDED CEILINGS, PROVIDE FLANGE FRAME FOR RGDs INSTALLED IN GWB CEILINGS AND WALLS..

LOUVER SCHEDULE

SYMBOL	MANUFACTURER	MODEL	SERVICE	TYPE	MATERIAL	SIZE (W x H)	ACCESSORIES/REMARKS
L-1	RUSKIN	ELF375DX	DOAS INTAKE	STATIONARY DRAINABLE BLADE	ALUMNUM	18"x18"	
L-2	RUSKIN	ELF375DX	DOAS EXHAUST	STATIONARY DRAINABLE BLADE	ALUMNUM	18"x18"	
L-3	RUSKIN	ELF375DX	DOAS INTAKE	STATIONARY DRAINABLE BLADE	ALUMNUM	18"x18"	
L-4	RUSKIN	ELF375DX	DOAS EXHAUST	STATIONARY DRAINABLE BLADE	ALUMNUM	18"x18"	

ENERGY RECOVERY VENTILATOR SCHEDULE

SYMBOL	MANUFACTURER	MODEL	TYPE	RETURN/EXHAUST AIR				OUTSIDE/SUPPLY AIR			ELECTRICAL			WEIGHT (LBS)	ACCESSORIES/REMARKS
				AIRFLOW (CFM)	ESP (IN H20)	SENSIBLE RECOVERY EFFICIENCY	MOTOR HP	AIRFLOW (CFM)	ESP (IN H20)	MOTOR HP	MCA	MOCP	V/PH		
ERV-1	RENEWAIRE	HE1XINH-ECM	X-FLOW ENERGY EXCHANGE	650	0.6	70%	½	650	0.6	½	10.8	15	208/1	278	ECM MOTORS, DISCONNECT SWITCH, MOTORIZED DAMPERS, TCD7-W TIME CLOCK CONTROLLER
ERV-2	RENEWAIRE	HE1XINH-ECM	X-FLOW ENERGY EXCHANGE	650	0.6	70%	½	650	0.6	½	10.8	15	208/1	278	ECM MOTORS, DISCONNECT SWITCH, MOTORIZED DAMPERS, TCD7-W TIME CLOCK CONTROLLER

ELECTRIC DUCT HEATER SCHEDULE

SYMBOL	MANUFACTURER	MODEL	DUCT SIZE	CAPACITY (KW)	AIRFLOW (CFM)	EAT (°F)	LAT (°F)	V/PH	ACCESSORIES/REMARKS
DH-1	NAILOR INDUSTRIES	DRHR	12"ø	6	650	45	72	208/3	SCR CONTROL, 24V CONTROL VOLTAGE, DOOR INTERLOCK DISCONNECT SWITCH, DUCT MOUNTED THERMOSTAT; SET THERMOSTAT TO MAINTAIN 68°F LEAVING AIR TEMPERATURE
DH-2	NAILOR INDUSTRIES	DRHR	12"ø	6	650	45	72	208/3	SCR CONTROL, 24V CONTROL VOLTAGE, DOOR INTERLOCK DISCONNECT SWITCH, DUCT MOUNTED THERMOSTAT; SET THERMOSTAT TO MAINTAIN 68°F LEAVING AIR TEMPERATURE

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HISTORIC SALTESE SCHOOLHOUSE
PO BOX 628
SPOKANE VALLEY, WA 99037
(509) 456-6800

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200 SOUTH COLUMBIA, SUITE 300
WENATCHEE, WA 98801
(509) 662-1161

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MECHANICAL ENGINEER
ROUTH CONSULTING ENGINEERS INC
PO BOX 3187
PASCO, WA 99301
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ELECTRICAL ENGINEER
PICATTI ENGINEERING AND SERVICES LLC
PO BOX 10034
YAKIMA, WA 98909
(509) 248-1447

RICHARD D. ROUTH
STATE OF WASHINGTON
21939
REGISTERED
PROFESSIONAL ENGINEER

Routh Consulting Engineers, Inc.
P.O. Box 3187 Pasco, WA 99302
509-547-8262 509-542-0650 FAX

INTERIOR REMODEL AND BUILDING ADDITION FOR:

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COMMUNITY FOOD BANK

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ELLENSBURG, WASHINGTON 98926

PROJECT NUMBER: 20008b
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DRAWN: RDR
REVISIONS:

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EQUIPMENT SCHEDULES

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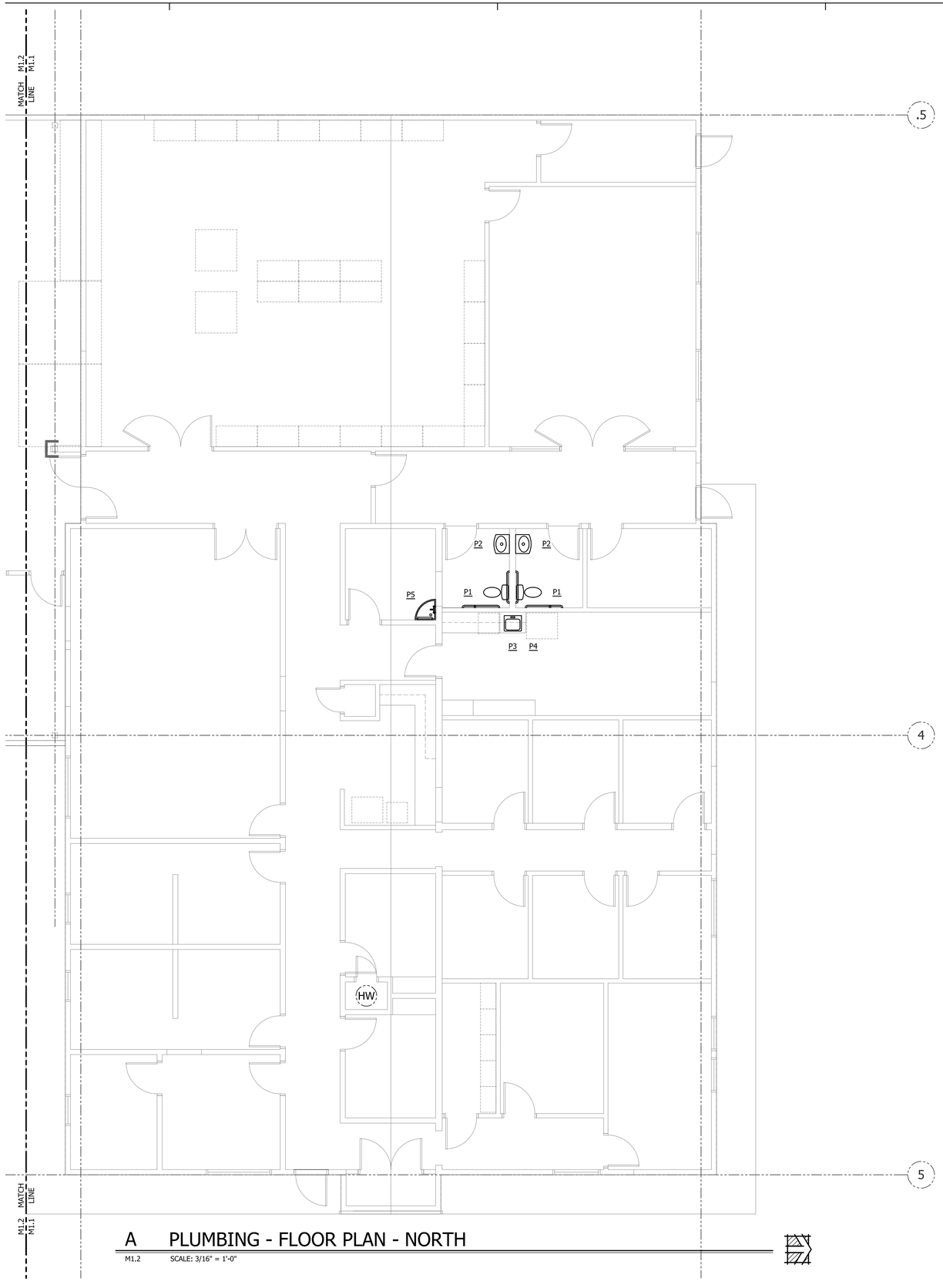

A PLUMBING - FLOOR PLAN - NORTH

M1.2 SCALE: 3/16" = 1'-0"

KEYNOTES

1 KEYNOTES HERE.

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PO BOX 628
SPOKANE VALLEY, WA 99037
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WENATCHEE, WA 98801
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PASCO, WA 99301
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PICATTI ENGINEERING AND SERVICES LLC
PO BOX 10034
YAKIMA, WA 98909
(509) 248-1447

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STATE OF WASHINGTON
21939
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PROFESSIONAL ENGINEER

Routh Consulting Engineers, Inc.
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PLUMBING
FLOOR PLAN
NORTH

M1.1

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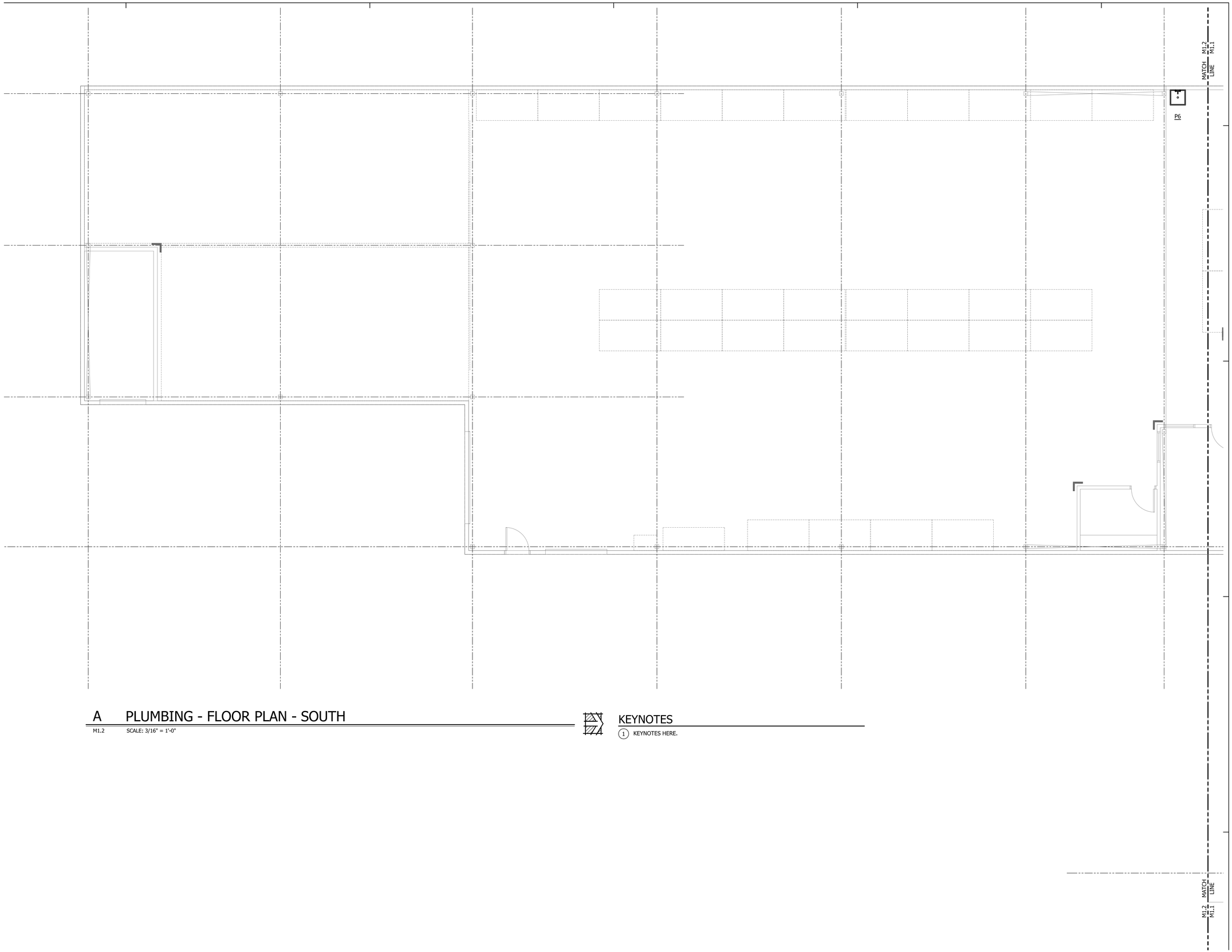

A PLUMBING - FLOOR PLAN - SOUTH

M1.2 SCALE: 3/16" = 1'-0"

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PO BOX 628
SPOKANE VALLEY, WA 99037
(509) 456-6800

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PACIFIC ENGINEERING & DESIGN PLLC
200 SOUTH COLUMBIA, SUITE 300
WENATCHEE, WA 98801
(509) 662-1161

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PACIFIC ENGINEERING & DESIGN PLLC
200 SOUTH COLUMBIA, SUITE 300
WENATCHEE, WA 98801
(509) 662-1161

MECHANICAL ENGINEER
ROUTH CONSULTING ENGINEERS INC
PO BOX 3187
PASCO, WA 99301
(509) 547-8262

ELECTRICAL ENGINEER
PICATTI ENGINEERING AND SERVICES LLC
PO BOX 10034
YAKIMA, WA 98909
(509) 248-1447

RICHARD D. ROUTH
STATE OF WASHINGTON
21939
REGISTERED
PROFESSIONAL ENGINEER

Routh Consulting Engineers, Inc.
P.O. Box 3187 Pasco, WA 99302
509-547-8262 509-542-0650 FAX

INTERIOR REMODEL AND BUILDING ADDITION FOR:

YAKIMA FISH

COMMUNITY FOOD BANK

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ELLENSBURG, WASHINGTON 98926

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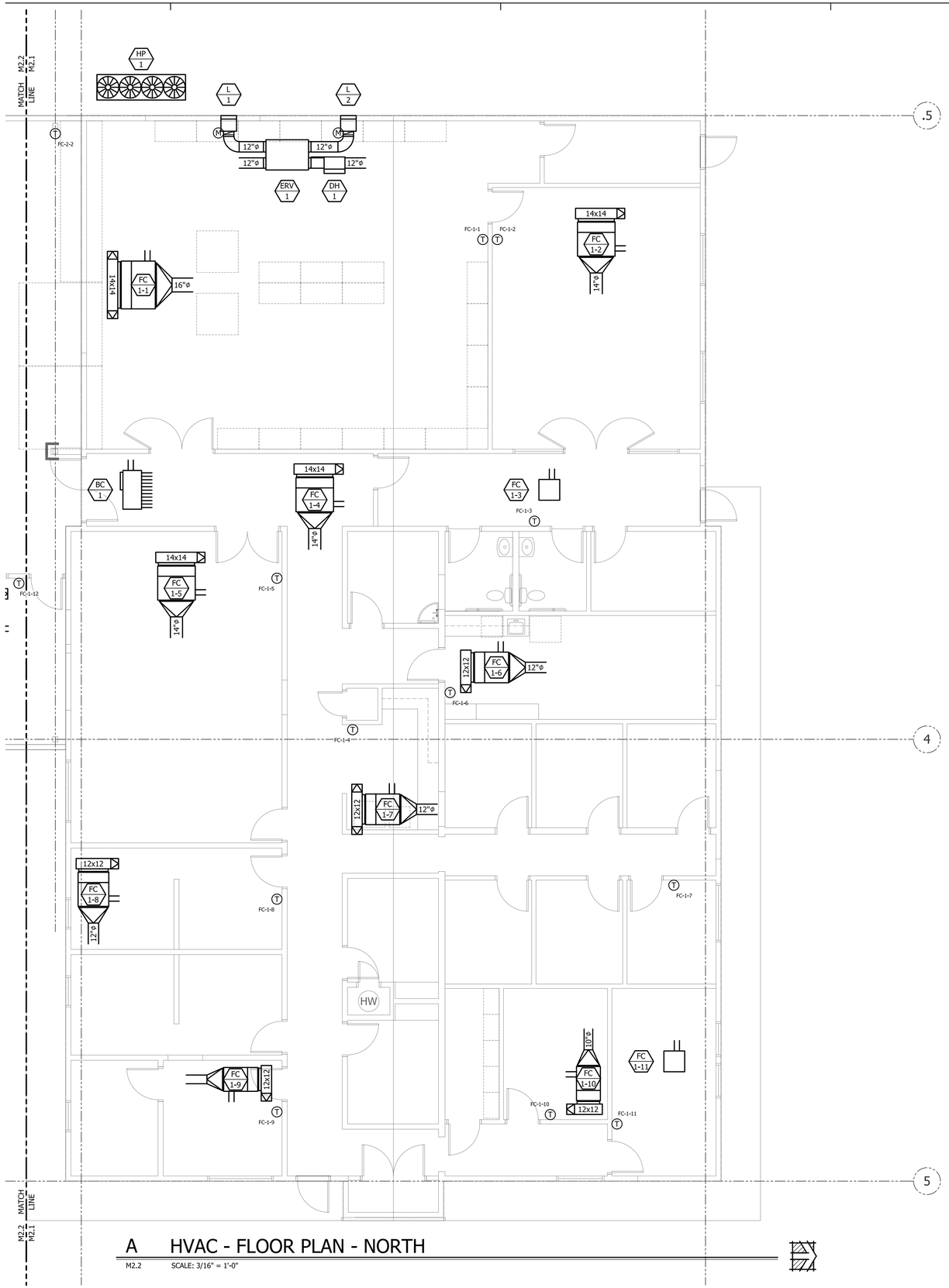

A HVAC - FLOOR PLAN - NORTH

M2.2 SCALE: 3/16" = 1'-0"

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PO BOX 628
SPOKANE VALLEY, WA 99037
(509) 456-6800

www.brdstudio.com

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PACIFIC ENGINEERING & DESIGN PLLC
200 SOUTH COLUMBIA, SUITE 300
WENATCHEE, WA 98801
(509) 662-1161

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200 SOUTH COLUMBIA, SUITE 300
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PO BOX 3187
PASCO, WA 99301
(509) 547-8262

ELECTRICAL ENGINEER
PICATTI ENGINEERING AND SERVICES LLC
PO BOX 10034
YAKIMA, WA 98909
(509) 248-1447

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STATE OF WASHINGTON
21939
REGISTERED
PROFESSIONAL ENGINEER

Routh Consulting Engineers, Inc.
P.O. Box 3187 Pasco, WA 99302
509-547-8262 509-542-0650 FAX

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HVAC
FLOOR PLAN
NORTH

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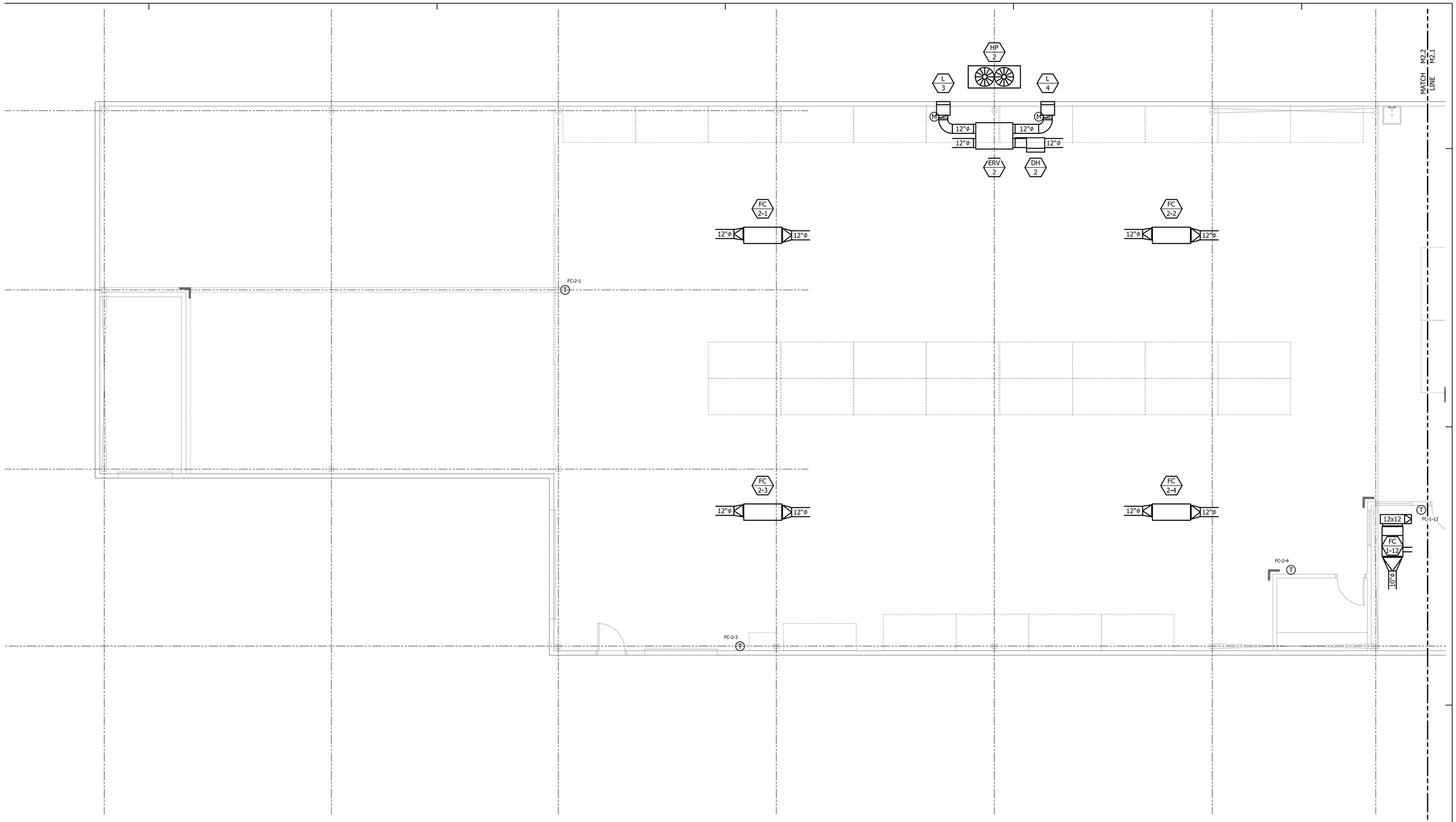

A HVAC - FLOOR PLAN - SOUTH

M2.2 SCALE: 3/16" = 1'-0"

KEYNOTES

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PO BOX 628
SPOKANE VALLEY, WA 99037
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200 SOUTH COLUMBIA, SUITE 300
WENATCHEE, WA 98801
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WENATCHEE, WA 98801
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PO BOX 3187
PASCO, WA 99301
(509) 547-8262

ELECTRICAL ENGINEER
PICATTI ENGINEERING AND SERVICES LLC
PO BOX 10034
YAKIMA, WA 98909
(509) 248-1447

RICHARD D. ROUTH
STATE OF WASHINGTON
21939
REGISTERED
PROFESSIONAL ENGINEER

Routh Consulting Engineers, Inc.
P.O. Box 3187 Pasco, WA 99302
509-547-8262 509-542-0650 FAX

INTERIOR REMODEL AND BUILDING ADDITION FOR:

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FLOOR PLAN
SOUTH

M2.2

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LIGHTING FIXTURE SCHEDULE

**QUANTITY OF FIXTURES AND DEVICES ARE APPROXIMATE, VERIFY COUNTS - VERIFY CEILING TYPE AND MOUNTING OPTIONS

NEW LIGHT FIXTURES TO BE INSTALLED

TYPE	QTY**	MFG	DESCRIPTION	PART#	WATTS
A1	6	COOPER LTG	Cruze SB LED 2'x4' Specification Grade Troffer LED Module, **Conference** (120V)	24CZ-LD5-30-UNV-L835-CD1-EQ-Clip-U	21.6
A1E	2	COOPER LTG	Cruze SB LED 2'x4' Specification Grade Troffer LED Module, EM Battery Backed Driver, **Conference** (120V)	24CZ-LD5-30-UNV-EL14W-L835-CD1-EQ-Clip-U	21.6
A2	47	COOPER LTG	Cruze SB LED 2'x4' Specification Grade Troffer LED Module, **Offices** (120V)	24CZ-LD5-35-UNV-L835-CD1-EQ-Clip-U	25.3
A2E	3	COOPER LTG	Cruze SB LED 2'x4' Specification Grade Troffer LED Module, EM Battery Backed Driver, **Offices** (120V)	24CZ-LD5-35-UNV-EL14W-L835-CD1-EQ-Clip-U	25.3
B1	2	METALUX	Cruze SB LED 2'x2' Specification Grade Troffer LED Module, **File Room** (120V)	22CZ-LD5-29-L835-CD1-EQ-CLIP-U	23.5
B2	14	COOPER LTG	Cruze SB LED 2'x2' Specification Grade Troffer LED Module, **Corridors** (120V)	22CZ-LD5-20-UNV-L835-CD1-EQ-CLIP-U	16.4
B2E	7	COOPER LTG	Cruze SB LED 2'x2' Specification Grade Troffer LED Module, EM Battery Backed Driver, **Corridors** (120V)	22CZ-LD5-20-UNV-EL14W-L835-CD1-EQ-CLIP-U	16.4
C1	3	HALO	LED Recessed Downlight Module, 6" Round, Narrow, **Conference** (120V)	HC610D010-HM6-835-61NDC	10.0
C2	8	HALO	LED Recessed Downlight Module, 6" Round, Rotatable Wall Wash, **Conference** (120V)	HC610D010-HM6-835-61RWWC	10.0
C3	6	HALO	LED Recessed Downlight Module, 6" Round, Rotatable Wall Wash, **Client Reception** (120V)	HC620D010-HM6-835-61RWWC	20.0
S1	12	METALUX	LED 4' Linear Wavestream Commercial Grade, **Pantry** (120V)	4WSL-LD2-35-SPS-UPL8-UNV-L835-CD1-CCA24	30.6
S1E	4	METALUX	LED 4' Linear Wavestream Commercial Grade, EM Battery Backed Driver, **Pantry** (120V)	4WSL-LD2-35-SPS-UPL8-UNV-EL14W-L835-CD1-CCA24	30.6
W1	49	METALUX	LED 4' Commercial Grade Lensed Striplight, Wet Location, **Warehouse** (120V)	4SNLED-LD5-56SL-LW-UNV-L835-CD1U	51.5
W1E	7	METALUX	LED 4' Commercial Grade Lensed Striplight, Wet Location, EM Battery Backed Driver, **Warehouse** (120V)	4SNLED-LD5-56SL-LW-UNV-EL14W-L835-CD1U	51.5
X1	7	SURE-LITES	LED Exit Light, Battery Backed (120V)	APX7G	2.0
Z1	0		TBD LED Exterior Fixture - **TBD** (120V)	N/A	0.0
Z2	0		TBD LED Exterior Fixture - **TBD** (120V)	N/A	0.0

*FIXTURES WITH "E" ADDED TO TYPE ON LIGHTING PLAN ARE BATTERY BACKED **VERIFY QUANTITY OF FIXTURES PER PLAN

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HISTORIC SALTESE SCHOOLHOUSE
PO BOX 628
SPOKANE VALLEY, WA 99037
(509) 456-6800

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200 SOUTH COLUMBIA, SUITE 300
WENATCHEE, WA 98801
(509) 662-1161

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YAKIMA, WA 98909
(509) 248-1447

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INTERIOR REMODEL AND BUILDING ADDITION FOR:

COMMUNITY FOOD BANK

804 ELMVIEW ROAD
ELLENSBURG, WASHINGTON 98926

PROJECT NUMBER: 20008b
DATE: 12/21/2020
DRAWN: NAME
REVISIONS: DATE

SCHEMATIC DESIGN
NOT FOR CONSTRUCTION

ELECTRICAL NOTES
& SCHEDULES

E0.0

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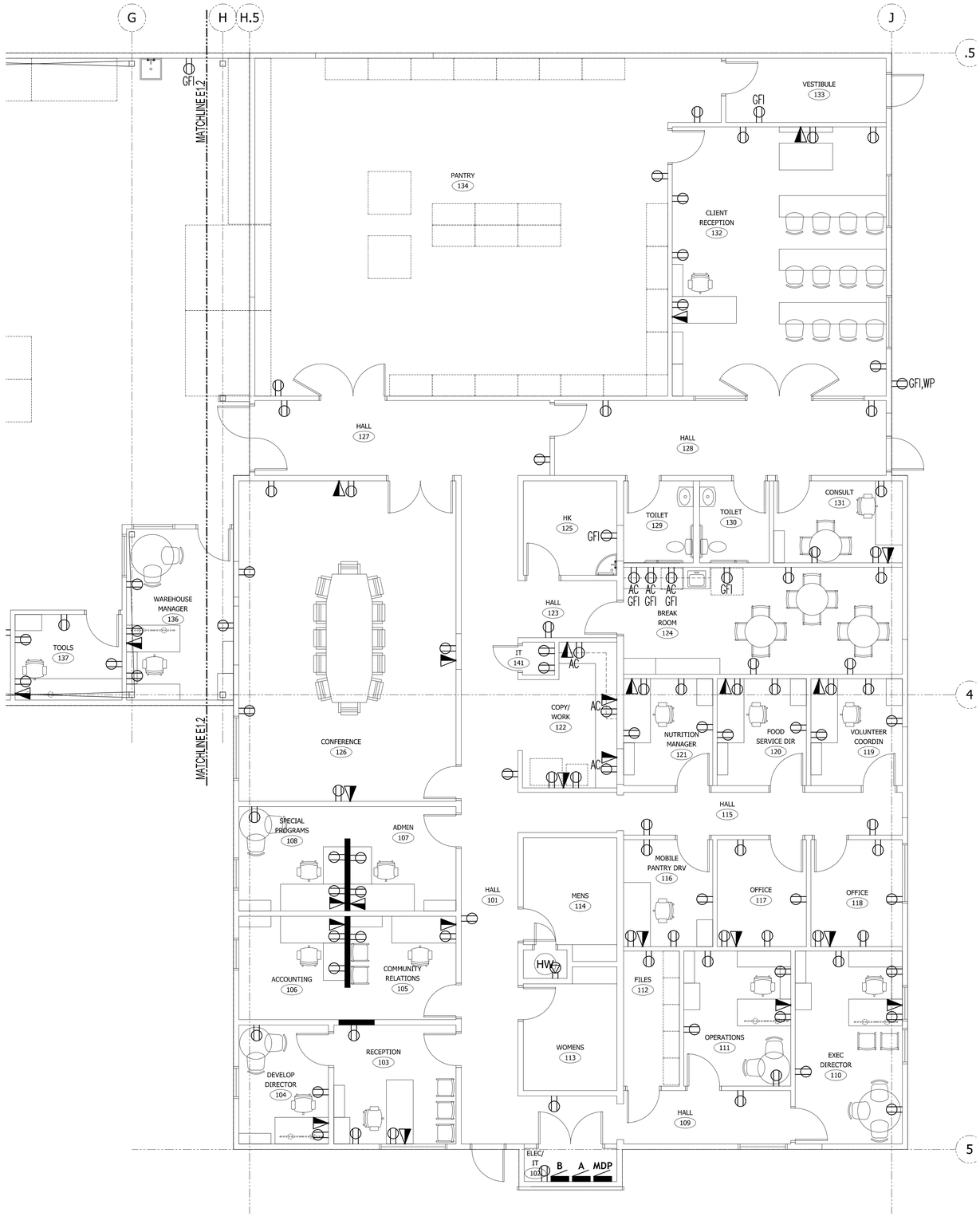
CODED NOTES



E NEW POWER PLAN NORTH

1/E1.1 3/16" = 1'-0"

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PO BOX 3187
PASCO, WA 99301
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PICATTI ENGINEERING AND SERVICES LLC
PO BOX 10034
YAKIMA, WA 98909
(509) 248-1447

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INTERIOR REMODEL AND BUILDING ADDITION FOR:

FISH

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PROJECT NUMBER: 20008b
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NEW POWER PLAN
NORTH

E1.1

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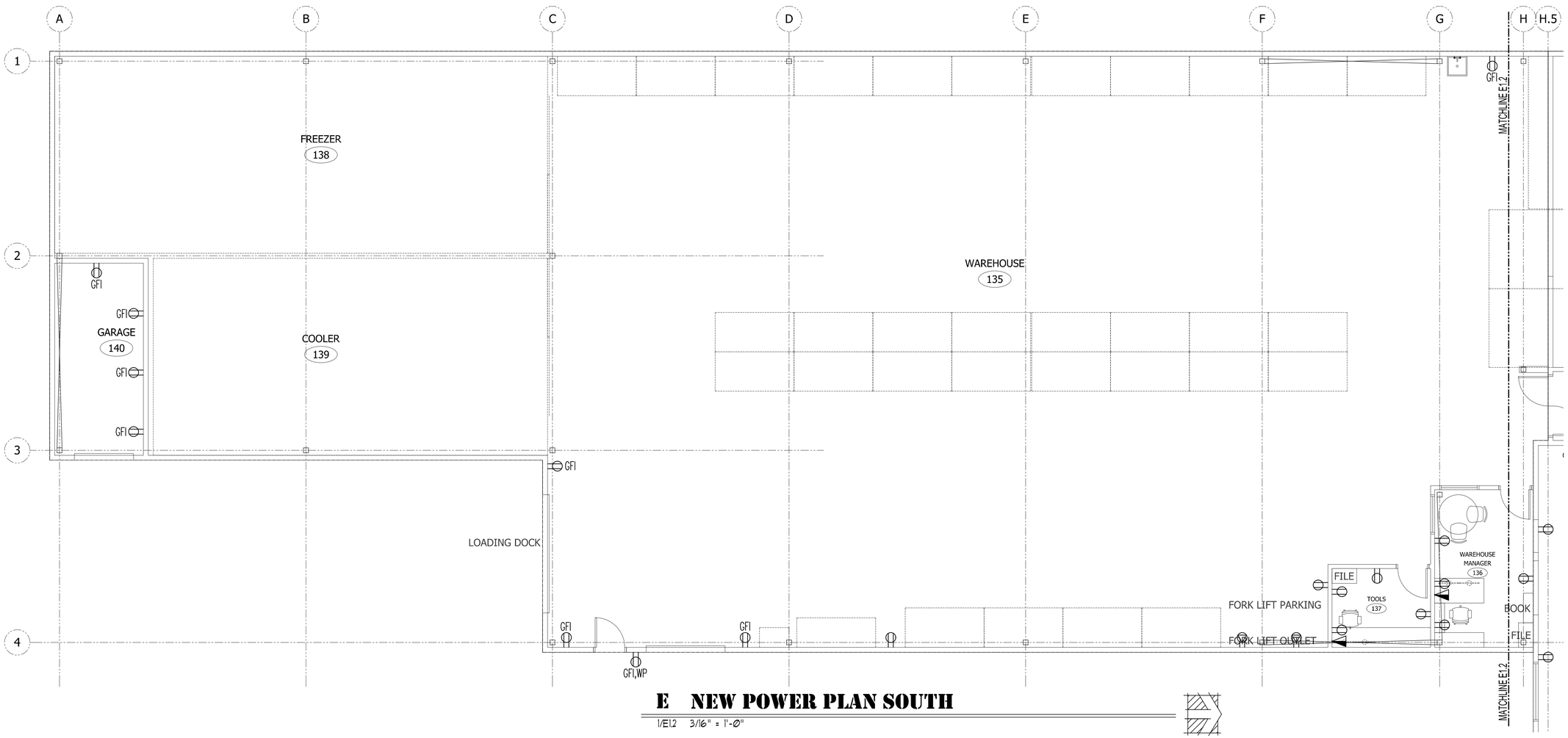

E NEW POWER PLAN SOUTH

1/E1.2 3/16" = 1'-0"

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PACIFIC ENGINEERING & DESIGN PLLC
200 SOUTH COLUMBIA, SUITE 300
WENATCHEE, WA 98801
(509) 662-1161

STRUCTURAL ENGINEER
PACIFIC ENGINEERING & DESIGN PLLC
200 SOUTH COLUMBIA, SUITE 300
WENATCHEE, WA 98801
(509) 662-1161

MECHANICAL ENGINEER
ROUTH CONSULTING ENGINEERS INC
PO BOX 3187
PASCO, WA 99301
(509) 547-8262

ELECTRICAL ENGINEER
PICATTI ENGINEERING AND SERVICES LLC
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NEW POWER PLAN SOUTH

E1.2

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E NEW LIGHTING PLAN NORTH

1/E2.1 3/16" = 1'-0"

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PO BOX 3187
PASCO, WA 99301
(509) 547-8262

ELECTRICAL ENGINEER
PICATTI ENGINEERING AND SERVICES LLC
PO BOX 10034
YAKIMA, WA 98909
(509) 248-1447

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NEW LIGHTING PLAN
NORTH

E2.1

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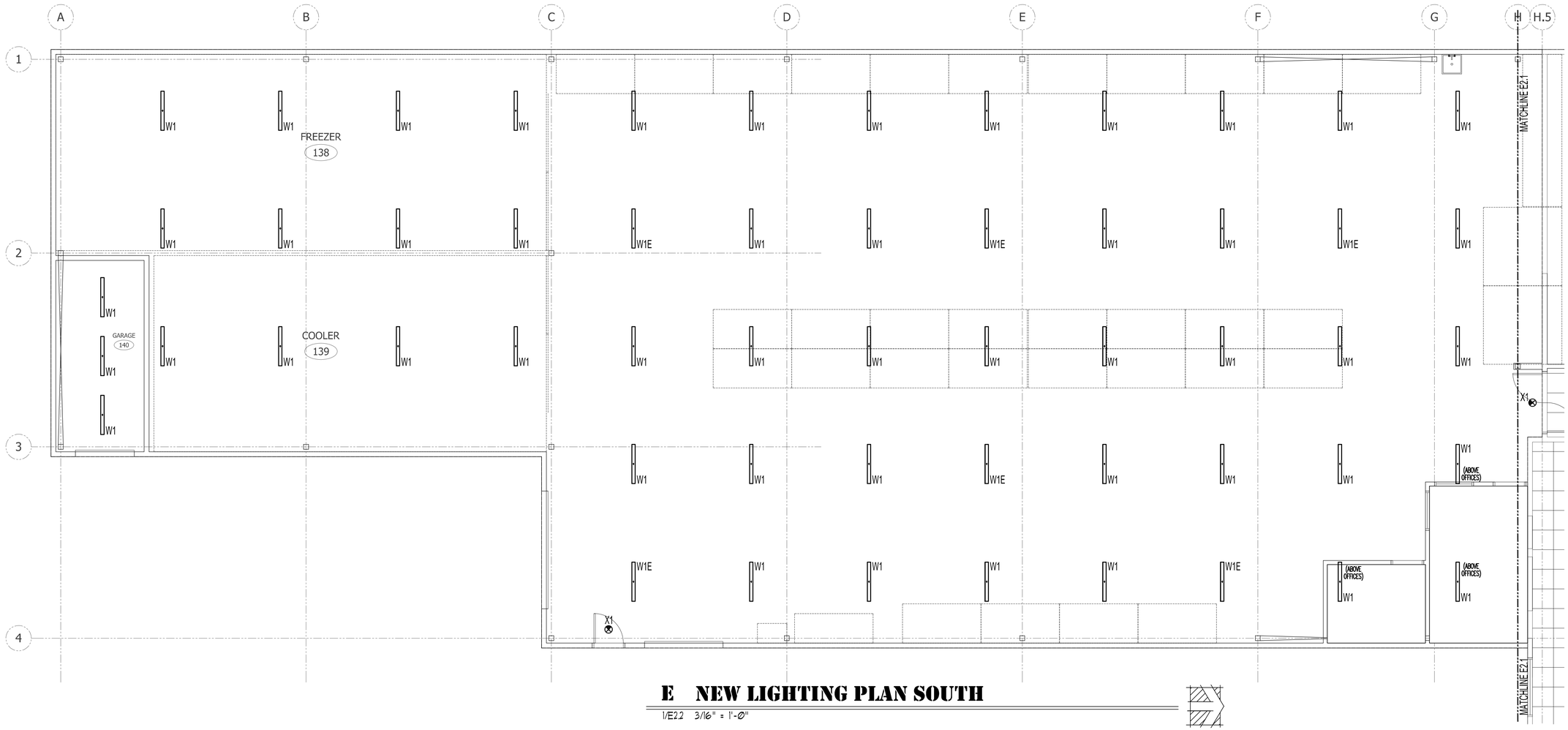

E NEW LIGHTING PLAN SOUTH

1/E2.2 3/16" = 1'-0"

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PICATTI ENGINEERING AND SERVICES LLC
PO BOX 10034
YAKIMA, WA 98909
(509) 248-1447

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NEW LIGHTING PLAN
SOUTH

E2.2

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