Finance Department
1204 NE 201st Avenue
Fairview, OR 97024
503-661-7200

January 28, 2016

RFP– CM/GC Reynolds Middle School Gymnasium Seismic Rehab

Addendum #1

From: Robert Collins
Senior Project Manager
Day CPM Services

REQUEST FOR PROPOSALS

CM/GC Reynolds Middle School Gymnasium Seismic Rehab

Reynolds School District

The RFP for the above referenced project and the work covered are modified as follows, and except as set forth herein, otherwise remain unchanged and in full effect. This addendum is part of the RFP solicitation Documents for the above named project and modifies the original RFP Documents dated January 8, 2016. Acknowledgement of receipt of this addendum is required as part of the Proposal.

Item #1 RFP Format Adjustment:

5.4 Evaluation Criteria, (provide the spaces between the section and subsection numbers as shown for the paragraphs as shown below :)

5 3.2.2.7 Local business participation (10 points maximum)

6 3.2.3.1 Fee Proposal: Preconstruction and Construction services (20 points maximum)

Item #2 Delete entirely:

~~**3.2.2.6 Subcontractor/Supplier Selection Approach**~~

~~a. Describe in detail your firm's subcontractor and supplier procurement/selection process. Also describe how you would provide local subcontractor and supplier opportunities to submit bids to your firm. A local business is defined as a business that has an existing significant place of business located within the electoral and taxing boundaries of the Reynolds School District.~~

Item #3 Replace with:

3.2.2.5 Local Conditions/MWESBE Utilization

a. Describe your firm's knowledge and experience with the labor market and

Reynolds School District

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building conditions in the Multnomah County and City of Fairview Metro area.

b. Demonstration of experience with local MWESB firms including a list of State of Oregon certified businesses that your firm has partnered or subcontracted within the last two (2) years, identify any MWESB firms that are part of your proposed team, and any innovative/successful measures your firm has undertaken to increase diverse business participation on projects in the Portland Metro area. Describe your approach to subcontractor and supplier procurement/selection process, and promoting participation in the project on the part of minorities, women, and emerging small business enterprises. Also describe your approach for local material suppliers, venders, and building trades. A local business is defined as a business that has an existing significant place of business located within the electoral and taxing boundaries of the Reynolds School District.

Item #2 Change:

~~**3.2.2.5 Contract Formats**~~ **to 3.2.2.6 Contract Formats**

Item #3 Change:

5.4 Evaluations

~~5 3.2.2.7 Local business participation (10 points maximum)~~

to:

5 3.2.2.5 Local Conditions/MWESBE Utilization (10 points maximum)

Attachments:

- Signup Sheet for the Mandatory pre-proposal meeting held on January 18, 2016.
- 60% Design Documents Set by ZCS Engineering, dated 1/27./2016 to be added to information of Appendix A of the RFP dated January 8, 2016.
- Environmental Report dated January 28, 2016 regarding the roofing on the project Gymnasium by PBS Engineering + Environmental.

End of Addendum #1

DAY CPM services
COMPREHENSIVE PROJECT MANAGEMENT

Reynolds School District

Date | time 1/18/16 10:00 AM

Reynolds Middle School
1200 NE 201st Ave. Fairview, OR 97204

Company Name	Attendee Name	E-Mail	Office Phone	cell phone
Kirby Nagelhout Construction Company	Christopher Prahl	chrisp@kirbynagelhout.com	503-530-8420	503-522-1346
ZCS Engineering	Shawn Wilson	ShawnW@ZCSEngineering.com		503-544-837
ZCS Eng.	Zach Stokes	ZachS@ZCSEngineering.com	503-659-2205	
Robinson Construction Co.	Ryan Weehunt	RWEEHUNT@ROBCON.COM	(503) 645-8531	503-209-8564
Alexi Meuwissen	Bremik Construction	am@bremik.com	503.668.1000	503.914.9672
P&C Construction	Sabrina Henkhaus	SHENKHAUS@BUILTBYPANDC.com	503-665-0145	503-360-5204
~~Matt Winkler~~ Emerick	Matt Winkler	mattw@emerick.com	503 777-5531	503 333 6246
Cedar Mill Const. Co.	Jim Anderson	jima@cedarmillcc.com	503-885 9370	503-332 6618

DAY CPM services
COMPREHENSIVE PROJECT MANAGEMENT

Reynolds School District

Date | time 1/18/16 10:00 AM

Reynolds Middle School
1200 NE 201st Ave. Fairview, OR 97204

Company Name	Attendee Name	E-Mail	Office Phone	cell phone
TripleTwellman	Steve Duch	steve@tripletwellman.com	503-982-4188	503-881-8585

CM/GC Pre-Bid Walk Though Reynolds Middle School Gym Seismic Upgrade

REYNOLDS MIDDLE SCHOOL GYM SEISMIC REHAB

REYNOLDS SCHOOL DISTRICT

1204 NE 201ST AVE. FAIRVIEW, OREGON 97204

1 A0.1 **BUILDING WEST ELEVATION** NTS

3 A0.1 **BUILDING NORTHEAST ELEVATION** NTS

PROJECT TEAM

OWNER

REYNOLDS SCHOOL DISTRICT
1204 NE 201 AVE.
FAIRVIEW, OR 97024
(503) 661-7200

ENGINEER OF RECORD

RUSSELL C. CARTER, PE SE
ZCS ENGINEERING, INC.
900 KLAMATH AVE.
KLAMATH FALLS, OR 97601
(541) 884-7421

PROJECT ENGINEER

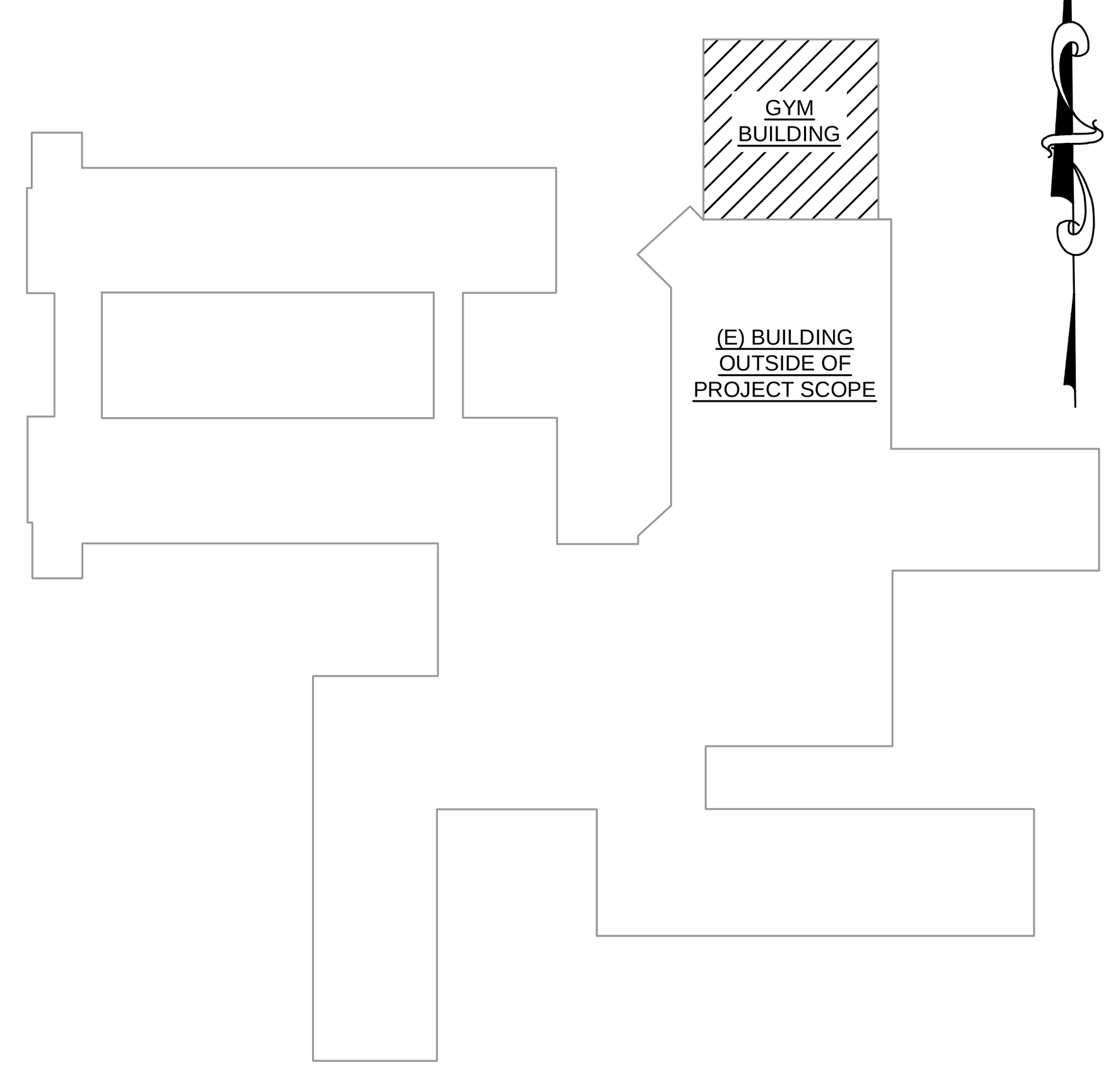
RUSSELL C. CARTER, PE SE
ZCS ENGINEERING, INC.
900 KLAMATH AVE.
KLAMATH FALLS, OR 97601
(541) 884-7421

CM/GC

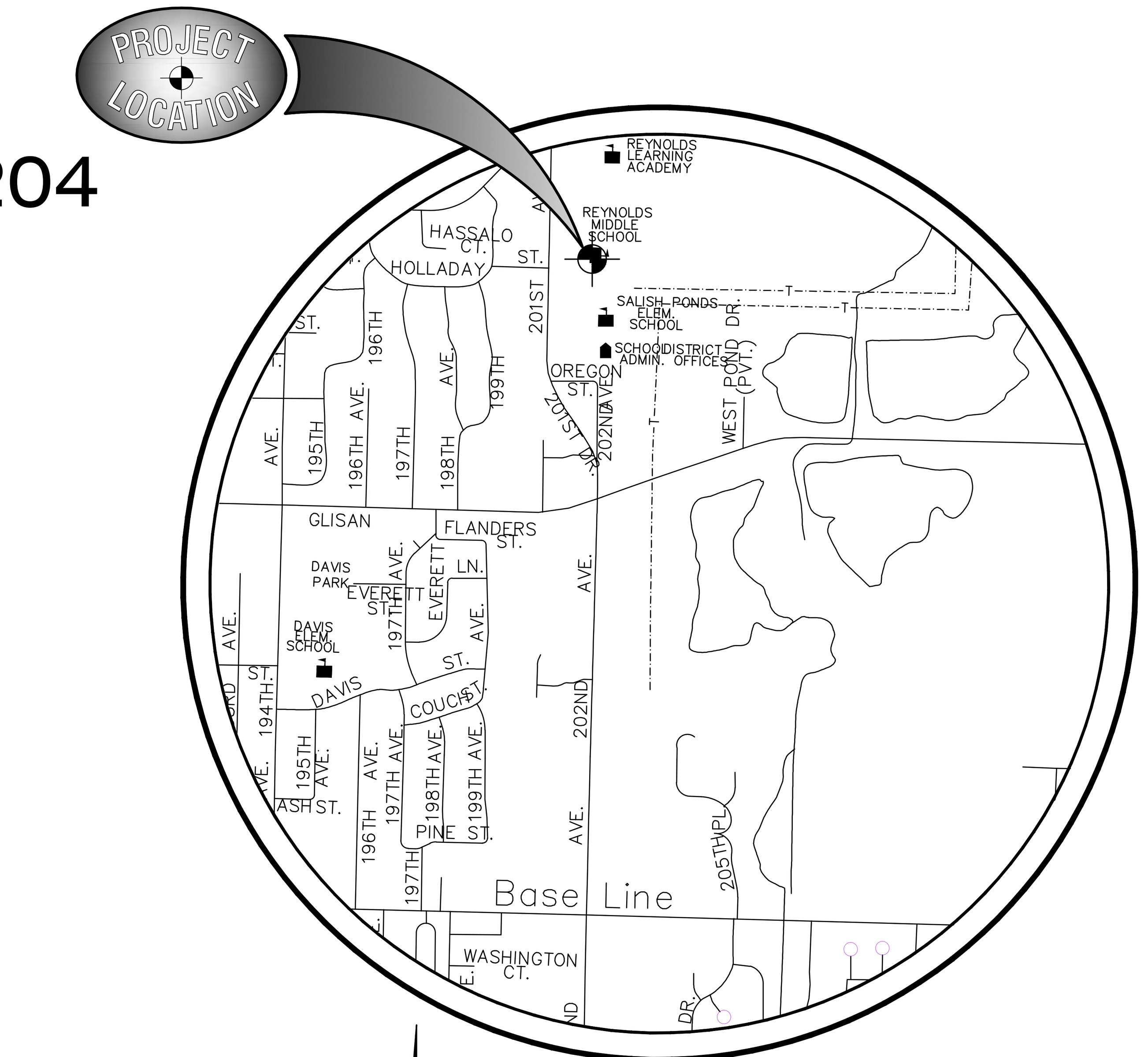
XXXX
XXXX
XXXX
XXXX
XXXX

ABATEMENT CONSULTANT

XXXX
XXXX
XXXX
XXXX
XXXX



4 A0.1 **BUILDING KEY** NTS



2 A0.1 **VICINITY MAP** NTS

PROJECT NARRATIVE

THE SCOPE OF THIS PROJECT CONSISTS OF THE COMPLETE SEISMIC REHABILITATION OF THE NORTH GYMNASIUM STRUCTURE OF REYNOLDS MIDDLE SCHOOL. THE REHABILITATION WILL BE ACCOMPLISHED BY MEANS OF ADDING LATERAL FORCE RESISTING SYSTEM ELEMENTS WHERE NECESSARY. THESE ADDITIONAL LATERAL FORCE RESISTING ELEMENT ARE NEW PLYWOOD ROOF SHEATHING AND NEW OUT-OF-PLANE ANCHORS AT EACH GIRDER TO SHEAR WALL CONNECTION AND PURLIN TO LEDGER CONNECTION. THESE NEW ELEMENTS WILL BRING THE GYMNASIUM BACK UP TO CODE ACCEPTED PERFORMANCE LEVELS. THE G.C. IS RESPONSIBLE FOR ALL ASPECTS OF CONSTRUCTION NECESSARY FOR THE COMPLETION OF ALL WORK INCIDENTAL TO THE WORK ILLUSTRATED IN THIS PLAN SET.

PROJECT COMPONENTS:

THE FOLLOWING LIST IS A BRIEF GENERAL DESCRIPTION OF WHAT THIS PROJECT ENTAILS:

INCIDENTAL TO THE SEISMIC REHABILITATION

1. COMPLETE NEW ROOFING PACKAGE (INCLUDING DRAINAGE COMPONENTS) FOR THE GYM BUILDING.
2. NEW 7/8" PLYWOOD ROOF SHEATHING W/ BLOCKING FOR THE GYM BUILDING.
3. NEW OUT-OF-PLANE ANCHORS FOR WALL TO DIAPHRAGM CONNECTIONS FOR ENTIRE GYM BUILDING PERIMETER.
4. NEW COILED STRAPS FOR CONTINUOUS CROSS TIE CONNECTIONS THROUGH THE DIAPHRAGM.
5. BRACING, STRAPPING AND CLIPPING OF ANCILLARY FIXTURES AND EQUIPMENT.
6. REMOVAL AND RE-APPLICATION OF EXISTING FINISHES REQUIRED FOR INSTALLATION OF SEISMIC REHABILITATION STRUCTURAL COMPONENTS.
7. REPAIR OR REPLACEMENT OF EXISTING DAMAGED MATERIALS OR FINISHES.
8. PAINT INTERIOR OF NEW SEISMIC REANIMATION STRUCTURAL COMPONENTS.

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D1.2	REFLECTED CEILING DEMO PLAN
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A2.1	PROPOSED ROOF PLAN
A3.1	PROPOSED REFLECTIVE CEILING PLAN
A4.1	BUILDING SECTIONS
S0.1	STRUCTURAL NOTES
S1.1	PROPOSED ROOF FRAMING PLAN & DETAILS

IF THIS BAR DOES NOT MEASURE 1-INCH IN LENGTH, THEN THE DRAWING IS NOT TO SCALE

NO.	REVISIONS	BY	DATE

REYNOLDS SCHOOL DISTRICT

REYNOLDS MIDDLE SCHOOL GYM SEISMIC REHAB.

ZCS ENGINEERING
524 Main Street - Suite 02, Oregon City, OR 97045
(503) 659-2205 phone fax (503) 659-2433

PROJECT NO:	P-2066-15
DRAWN:	SDW
CHECKED:	ZAS/RCC
DATE:	1/27/16

STRUCTURAL REGISTERED PROFESSIONAL ENGINEER OREGON ... 16, 1996 RUSSELL C. CARTER EXPIRES: 12-31-17

-PRELIMINARY- NOT FOR CONSTRUCTION

COVER SHEET

A0.1

GENERAL CODE REVIEW NOTES:

AUTOMATIC SPRINKLER SYSTEM:

- AUTOMATIC SPRINKLERS WILL NOT BE INSTALLED IN THIS BUILDING AS PART OF THE VOLUNTARY SEISMIC RETROFIT.

FIRE ALARM SYSTEM:

- A FIRE ALARM SYSTEM WILL NOT BE INSTALLED IN THIS BUILDING AS PART OF THE VOLUNTARY SEISMIC RETROFIT.

EXIT ACCESS: *(OSSC SECTION 1014-1016)*

- MAXIMUM EXIT COMMON PATH PER OSSC 1014.3 = ***75'***
- MAXIMUM EXIT TRAVEL DISTANCE PER OSSC TABLE 1016.1 = ***200'***

GYMNASIUM BUILDING

TYPE OF CONSTRUCTION

OCCUPANCY GROUP = ***TYPE A-4***
- REFERENCE *OSSC 303.1 ASSEMBLY GROUP A-4*

TYPE OF CONSTRUCTION = ***TYPE IIIB***
- CONSTRUCTION TYPE III EXTERIOR WALLS ARE OF NONCOMBUSTIBLE MATERIALS, INTERIOR BUILDING ELEMENTS OF ANY MATERIAL PERMITTED PER CODE
- REFERENCE *OSSC 602.3 TYPE III*

ALLOWABLE BUILDING HEIGHTS AND AREAS: *(OSSC TABLE 503)*

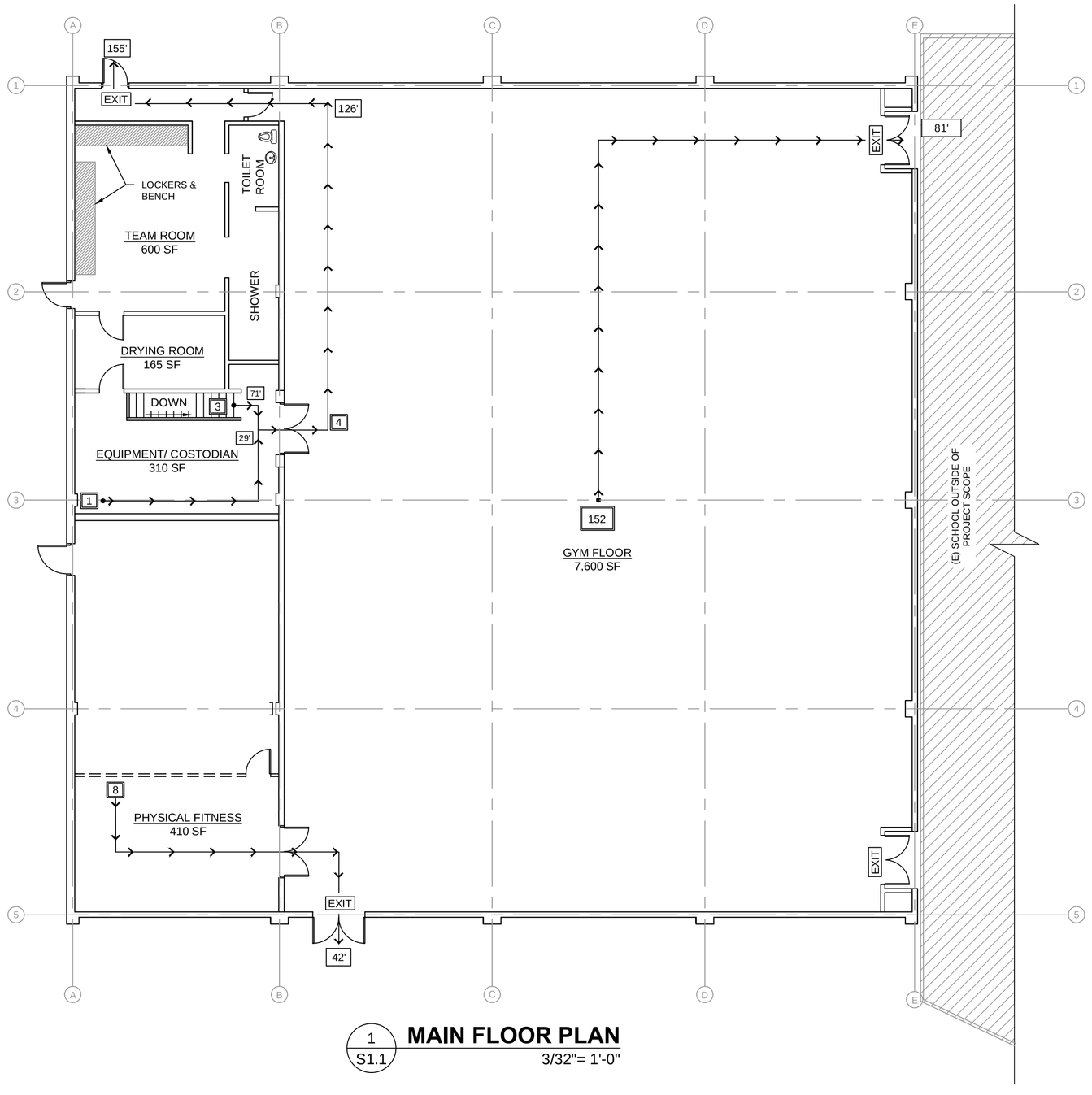
- TYPE IIIB
  - 15000 SF ALLOWABLE AREA PER STORY(WITH FRONTAGE INCREASE).
  - 2 STORIES MAX. (55' MAX. HEIGHT)
  - BUILDING AREA = 10260 SF → OK

MEANS OF EGRESS: *(OSSC CHAPTER 10)*

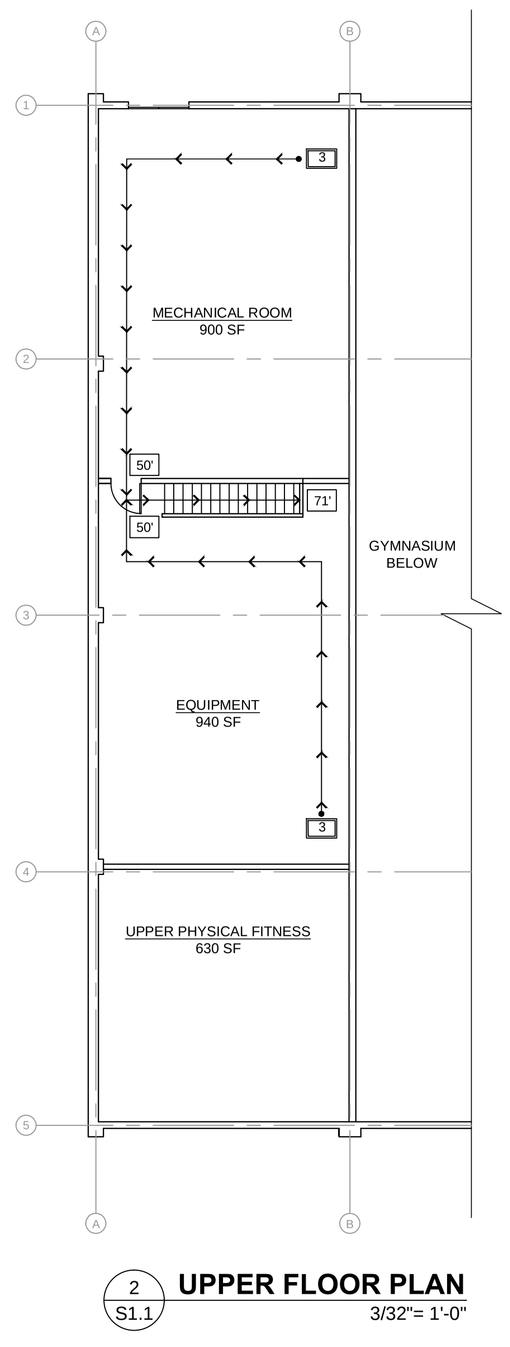
- MINIMUM NUMBER OF EXITS = 3 PER OSSC 1015.1.1

CODE REVIEW PLAN NOTES:

1. ← → EMERGENCY EXIT ROUTE
2. [#] TRAVEL DISTANCE FROM POINT OF ORIGIN
3. [EXIT] (E) EGRESS LOCATION PROVIDED EXIT SIGNAGE.
4. COMMON PATH OF EGRESS TRAVEL IS LESS THAN PERMITTED IN OSSC SECTION 1014.3 TYP.
5. EXIT TRAVEL DISTANCE IS LESS THAN PERMITTED IN OSSC SECTION 1016 TYP.
6. [#] NUMBER OF OCCUPANTS



1 S1.1 **MAIN FLOOR PLAN**
3/32"= 1'-0"



2 S1.1 **UPPER FLOOR PLAN**
3/32"= 1'-0"

GENERAL NOTES:

1. NON-STRUCTURAL DRAWINGS ARE A PORTION OF THE CONTRACT DOCUMENTS AND ARE INTENDED TO BE USED WITH STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE REQUIREMENTS FROM THESE DRAWINGS INTO THEIR SHOP DRAWINGS AND WORK. THESE GENERAL NOTES SUPPLEMENT THE PROJECT SPECIFICATIONS. REFER TO THE PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL TEMPORARY BRACING AND/OR SUPPORT THAT MAY BE REQUIRED AS THE RESULT OF THE CONTRACTOR'S CONSTRUCTION METHODS AND/OR SEQUENCES.
3. ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS SHALL BE FIELD VERIFIED. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD OF ANY SIGNIFICANT DISCREPANCIES FROM CONDITIONS SHOWN ON THE DRAWINGS.
4. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION MEANS AND METHODS. RESPONSIBILITY SHALL INCLUDE BUT NOT LIMITED TO DEMOLITION AND CONSTRUCTION MEANS AND METHODS, TECHNIQUES, SEQUENCING, AND SAFETY REQUIRED TO COMPLETE CONSTRUCTION.
5. GOVERNING CODES:
   - 5.1. 2012 INTERNATIONAL BUILDING CODE
   - 5.2. 2014 OREGON STRUCTURAL SPECIALTY CODE
   - 5.3. 2010 OREGON MECHANICAL SPECIALITY CODE
   - 5.4. 2010 OREGON FIRE CODE
   - 5.5. 2010 OREGON ENERGY EFFICIENCY SPECIALTY CODE
   - 5.6. 2011 OREGON ELECTRICAL SPECIALITY CODE

NON-STRUCTURAL NOTES:

1. G.C. IS TO PRIME AND PAINT ON ALL EXTERIOR EXPOSED WOOD. COLOR PER OWNER.
2. ALL SUB-TRADE PERMITS REQUIRED FOR THE PROJECT ARE TO BE PAID FOR AND OBTAINED BY THE CONTRACTOR. THE BUILDING AND PLANNING PERMITS WILL ALSO BE FURNISHED BY THE G.C.
3. THE CONTRACTOR IS TO PROVIDE PAINT ON NEW INTERIOR FINISHES. COORDINATE COLOR WITH OWNER AT TIME OF CONSTRUCTION.
4. CONTRACTOR TO PROVIDE SHEET METAL FLASHING PER CODE REQUIREMENTS.
5. CONTRACTOR TO PROVIDE CODE APPROVED JOINT SEALANT APPLICATIONS.
6. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PUT THE EXISTING LANDSCAPING BACK IN AS-IS CONDITION. THIS INCLUDES GRADING, SITE UTILITIES, IRRIGATION, SPRINKLERS, AND LANDSCAPING.

ELECTRICAL NOTES:

1. ALL ELECTRICAL IS TO BE DESIGN-BUILD PER ALL APPLICABLE CODES. G.C. TO SUBMIT ALL PRODUCT INFORMATION FOR FINAL APPROVAL PRIOR TO CONSTRUCTION.
2. G.C. TO COORDINATE INSTALLATION OF UTILITIES WITH ALL RESPECTIVE SUPPLIERS/SUBCONTRACTORS PRIOR TO CONSTRUCTION.
3. ALL POWER REQUIREMENTS SHALL COME FROM EXISTING SERVICE.
4. ALL NEW WIRING TO BE FLEXIBLE METAL-CLADD CABLE. NO ROMEX SHALL BE USED.

PLUMBING NOTES:

1. ALL PLUMBING IS TO BE DESIGN-BUILD PER ALL APPLICABLE CODES. G.C. TO SUBMIT ALL PRODUCT INFORMATION FOR FINAL APPROVAL PRIOR TO CONSTRUCTION.
2. G.C. TO COORDINATE INSTALLATION OF UTILITIES WITH ALL RESPECTIVE SUPPLIERS/SUBCONTRACTORS PRIOR TO CONSTRUCTION.

IF THIS BAR DOES NOT MEASURE 1-INCH IN LENGTH, THEN THE DRAWING IS NOT TO SCALE

NO.	REVISIONS	BY	DATE

REYNOLDS SCHOOL DISTRICT

REYNOLDS MIDDLE SCHOOL GYM SEISMIC REHAB.

ZCS ENGINEERING
524 Main Street - Suite 02, Oregon City, OR 97045
(503) 659-2295 phone (503) 659-2433 fax

PROJECT NO:	P-2066-15
DRAWN:	SDW
CHECKED:	ZAS/RCC
DATE:	1/27/16

STRUCTURAL
REGISTERED PROFESSIONAL ENGINEER
OREGON
JULY 16, 1995
RYAN C. CARTER
EXPIRES: 12-31-17

PRELIMINARY - NOT FOR CONSTRUCTION

ARCH. NOTES, CODE REVIEW, BUILDING KEY, AND SCHEDULES

A0.2

DEMOLITION NOTES:

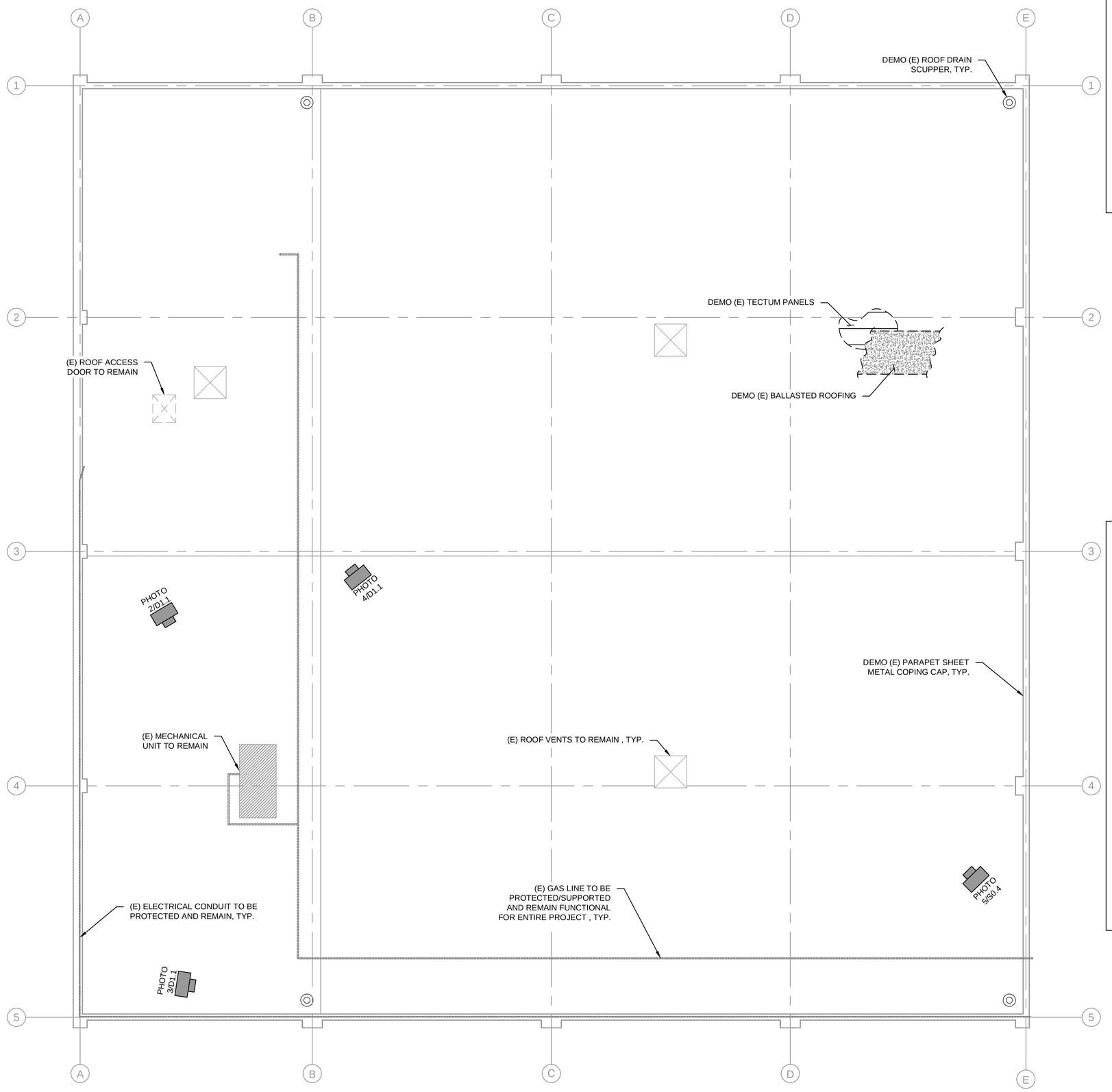
1. COORDINATE DEMOLITION EFFORTS W/ THE G.C., ARCHITECT, ENGINEER, AND OWNER
2. COORDINATE THE DISCONNECTION OF ALL PERTINENT UTILITIES AS REQUIRED TO COMPLETE DEMOLITION WORK SAFELY WITH THE G.C.
3. DO NOT ABANDON CONDUCTIVE ELECTRICAL ELEMENTS. ALL UNUSED CONDUCTORS SHALL BE DEMOLISHED
4. TAKE ALL PRECAUTIONS NECESSARY TO PROTECT THE STRUCTURAL COMPONENTS OF THE BUILDING DURING DEMOLITION. WHERE STRUCTURAL COMPONENTS ARE REMOVED, DEMOLITION CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATE SHORING/SUPPORT UNTIL NEW STRUCTURE HAS BEEN CONSTRUCTED
5. THE OWNER HAS VACATED THE PREMISES, AND SHALL BE NOTIFIED OF ANY IMPORTANT OR SENSITIVE MATERIALS FOUND REMAINING ON SITE
6. MAINTAIN THE INTEGRITY OF THE EXTERIOR SHELL OF THE BUILDING FOR PROTECTION OF STRUCTURAL MEMBERS. PROVIDE THE NECESSARY FRAMING AND PLYWOOD BOARDING TO MINIMIZE ACCESS TO THE BUILDING ONCE DEMOLITION HAS OCCURRED.
7. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AND NOTIFY ENGINEER OF RECORD OF ANY DISCREPANCIES.
8. PROVIDE PROTECTION AS NECESSARY DURING DEMOLITION FOR ANY EXISTING STRUCTURAL AND NON-STRUCTURAL ELEMENTS THAT SHALL REMAIN AFTER SUCH OPERATIONS HAVE CEASED
9. IF ANY ELEMENTS NOT CALLED OUT FOR DEMOLITION ARE DAMAGED DURING DEMOLITION, REPAIR OR REPLACE SUCH ELEMENTS TO MATCH EXISTING CONDITIONS
10. UNLESS PRE-APPROVED BY THE ENGINEER OF RECORD, EXISTING MATERIALS ARE NOT TO BE RE-USED
11. THE OWNER RESERVES THE RIGHT TO SALVAGE ANY MATERIALS
12. ALL DEMOLITION ITEMS AND MATERIALS ARE TO BE REMOVED TO AN APPROVED OFF SITE LOCATION.
13. REMOVE ALL APPROPRIATE TRIM AND ARCHITECTURAL FINISHES AS REQUIRED TO PROVIDE NEW STRUCTURAL ELEMENTS.

ROOF DEMO NOTES:

1. DEMOLISH AND REMOVE EXISTING ROOFING, ASSOCIATED FLASHING, AND NECESSARY ROOF DRAIN COMPONENTS AT THE ROOF LEVEL.

SEQUENCE NOTES:

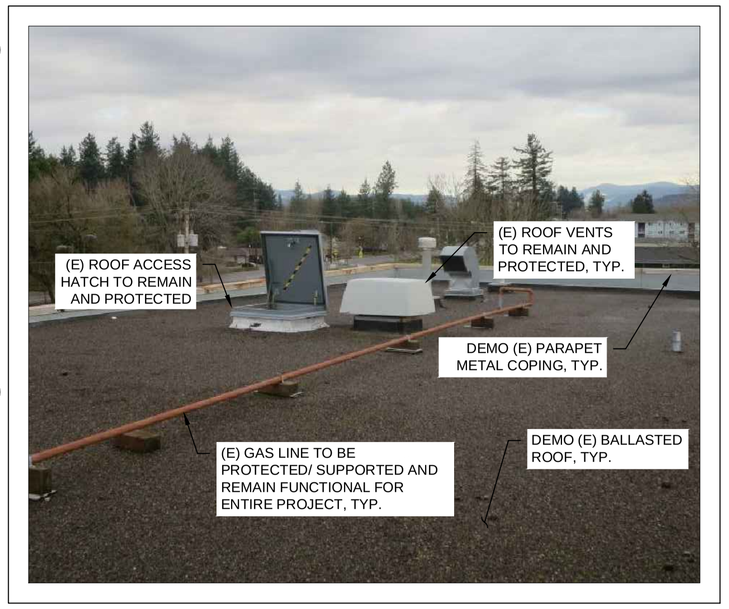
1. ALL DEMOLITION AND NEW ROOF-SUPPORTING CONSTRUCTION SHALL BE ACCOMPLISHED PRIOR TO INSTALLATION OF NEW ROOFING SYSTEMS.
2. NEW ROOF SYSTEM AND SUPPORTING MEMBERS TO BE INSTALLED IN PHASES DURING DEMOLITION OF EXISTING ROOF STRUCTURE. PHASES ARE TO LIMIT EXPOSURE OF BUILDING TO ELEMENTS DURING CONSTRUCTION EFFORTS.
3. CONTRACTOR TO SCHEDULE PRE-ROOF REPLACEMENT MEETING WITH ENGINEER AND SUBMIT DEMO PLAN FOR REVIEW AND COMMENT PRIOR TO COMMENCING THIS WORK.



1 D1.1 **DEMO ROOF PLAN**
1/8"= 1'-0"

2 D1.1 **(E) ROOF MECHANICAL UNIT ELEVATION**
NTS

3 D1.1 **ROOF DRAIN ELEVATION**
NTS



4 D1.1 **ROOF ACCESS HATCH ELEVATION**
NTS

5 D1.1 **ROOF VENT ELEVATION**
NTS

IF THIS BAR DOES NOT MEASURE 1-INCH IN LENGTH, THEN THE DRAWING IS NOT TO SCALE

NO.	REVISIONS	BY	DATE

REYNOLDS SCHOOL DISTRICT

REYNOLDS MIDDLE SCHOOL GYM
SEISMIC REHAB.

ZCS ENGINEERING
524 Main Street, Suite 102, Oregon City, OR 97045
(503) 659-2295 phone
(503) 659-2493 fax

PROJECT NO:	P-2066-15
DRAWN:	SDW
CHECKED:	ZAS/RCC
DATE:	1/27/16

STRUCTURAL REGISTERED PROFESSIONAL ENGINEER OREGON JULY 16, 1985 ZACHARY L. C. CARTER EXPIRES: 12-31-17

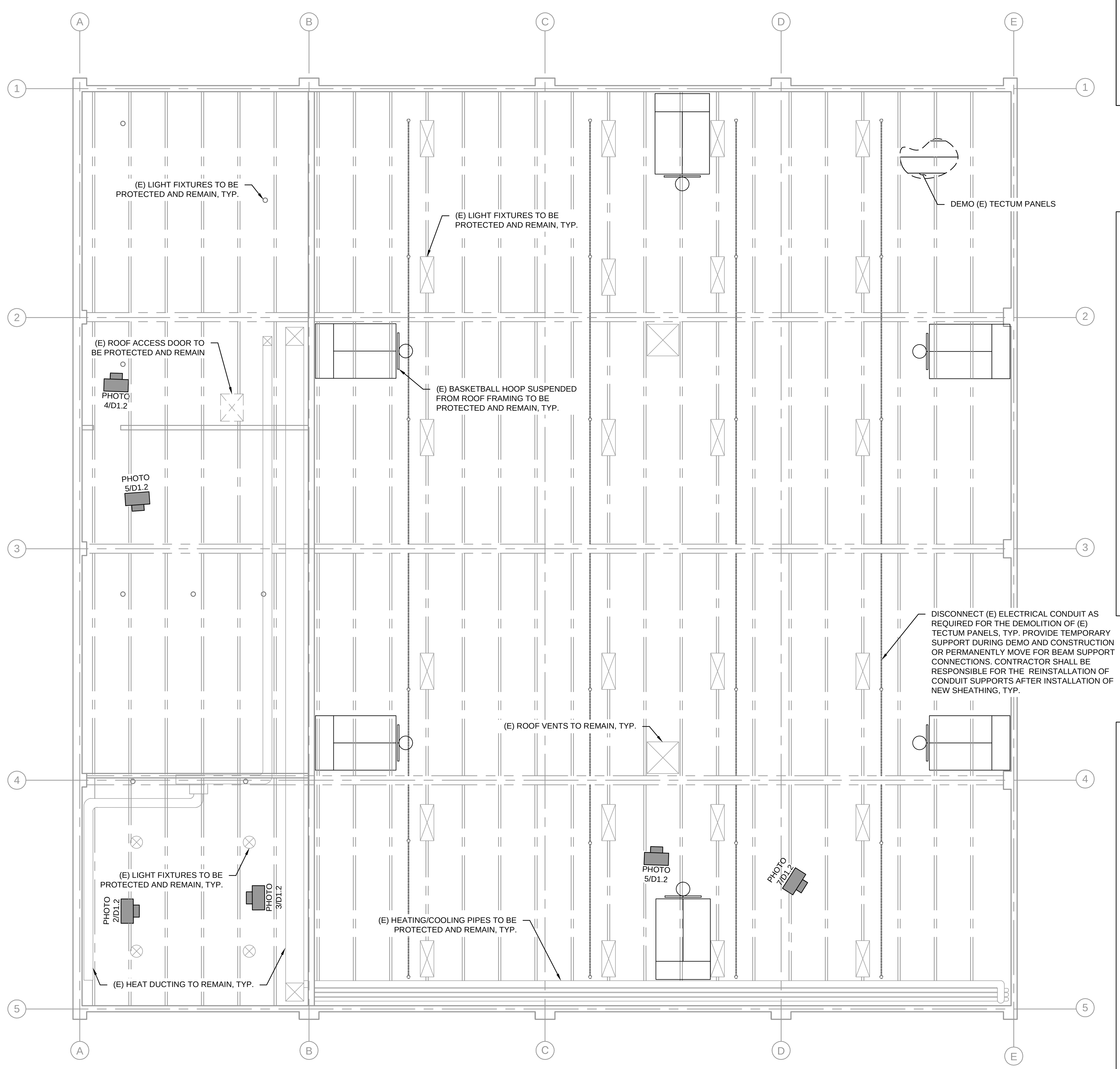
PRELIMINARY NOT FOR CONSTRUCTION

ROOF DEMO PLAN

D1.1

DEMOLITION NOTES:

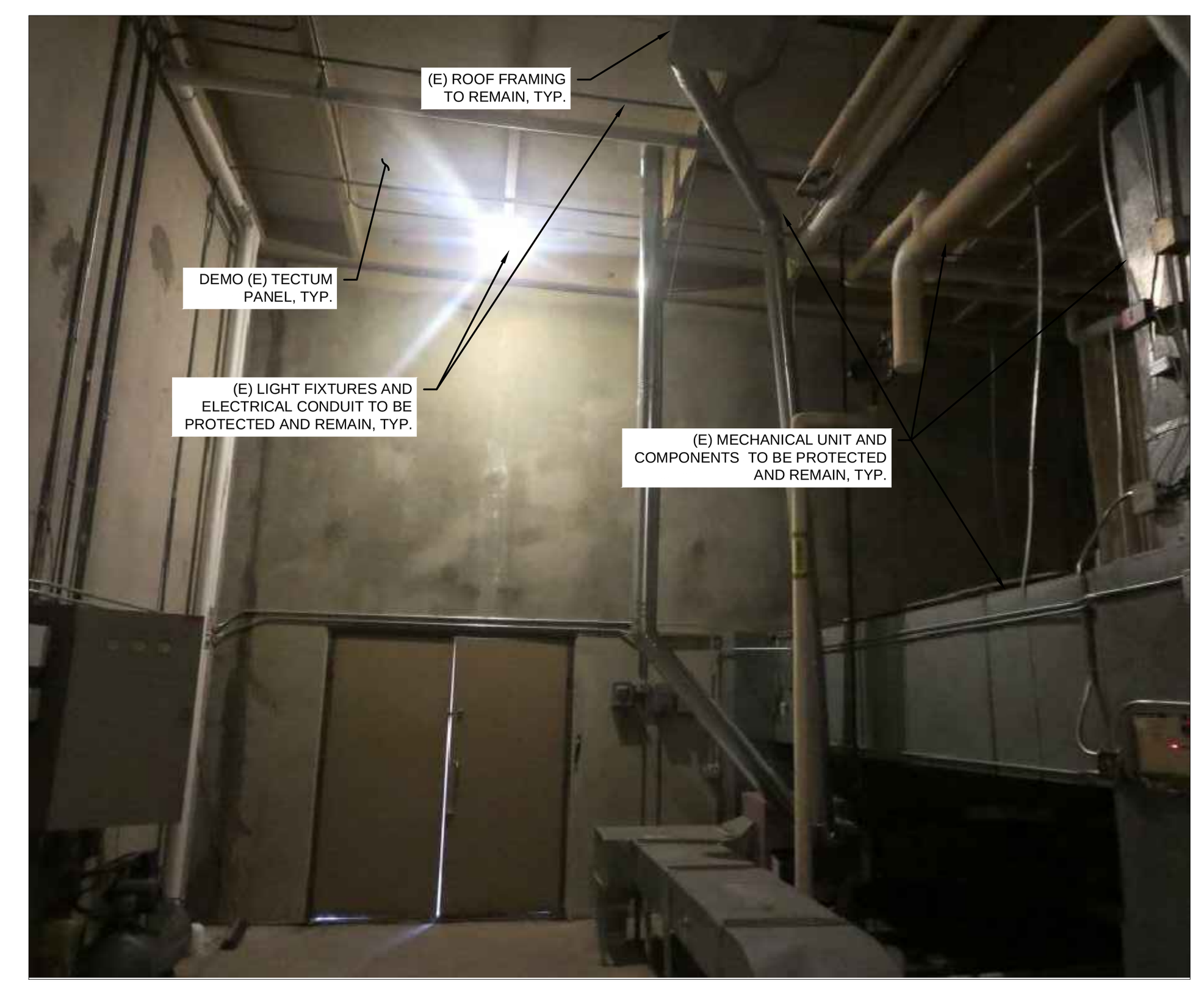
1. COORDINATE DEMOLITION EFFORTS W/ THE G.C., ARCHITECT, ENGINEER, AND OWNER
2. COORDINATE THE DISCONNECTION OF ALL PERTINENT UTILITIES AS REQUIRED TO COMPLETE DEMOLITION WORK SAFELY WITH THE G.C.
3. DO NOT ABANDON CONDUCTIVE ELECTRICAL ELEMENTS. ALL UNUSED CONDUCTORS SHALL BE DEMOLISHED
4. TAKE ALL PRECAUTIONS NECESSARY TO PROTECT THE STRUCTURAL COMPONENTS OF THE BUILDING DURING DEMOLITION. WHERE STRUCTURAL COMPONENTS ARE REMOVED, DEMOLITION CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATE SHORING/SUPPORT UNTIL NEW STRUCTURE HAS BEEN CONSTRUCTED
5. THE OWNER HAS VACATED THE PREMISES, AND SHALL BE NOTIFIED OF ANY IMPORTANT OR SENSITIVE MATERIALS FOUND REMAINING ON SITE
6. MAINTAIN THE INTEGRITY OF THE EXTERIOR SHELL OF THE BUILDING FOR PROTECTION OF STRUCTURAL MEMBERS. PROVIDE THE NECESSARY FRAMING AND PLYWOOD BOARDING TO MINIMIZE ACCESS TO THE BUILDING ONCE DEMOLITION HAS OCCURRED.
7. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AND NOTIFY ENGINEER OF RECORD OF ANY DISCREPANCIES.
8. PREVENT DAMAGE TO BUILDING ELEMENTS
9. PROVIDE PROTECTION AS NECESSARY DURING DEMOLITION FOR ANY EXISTING STRUCTURAL AND NON-STRUCTURAL ELEMENTS THAT SHALL REMAIN AFTER SUCH OPERATIONS HAVE CEASED
10. IF ANY ELEMENTS NOT CALLED OUT FOR DEMOLITION ARE DAMAGED DURING DEMOLITION, REPAIR OR REPLACE SUCH ELEMENTS TO MATCH EXISTING CONDITIONS
11. UNLESS PRE-APPROVED BY THE ENGINEER OF RECORD, EXISTING MATERIALS ARE NOT TO BE RE-USED
12. THE OWNER RESERVES THE RIGHT TO SALVAGE ANY MATERIALS
13. ALL DEMOLITION ITEMS AND MATERIALS ARE TO BE REMOVED TO AN APPROVED OFF SITE LOCATION.
14. REMOVE ALL APPROPRIATE TRIM AND ARCHITECTURAL FINISHES AS REQUIRED TO PROVIDE NEW STRUCTURAL ELEMENTS.



1 DEMO REFLECTED CEILING PLAN
D1.2
1/8"= 1'-0"

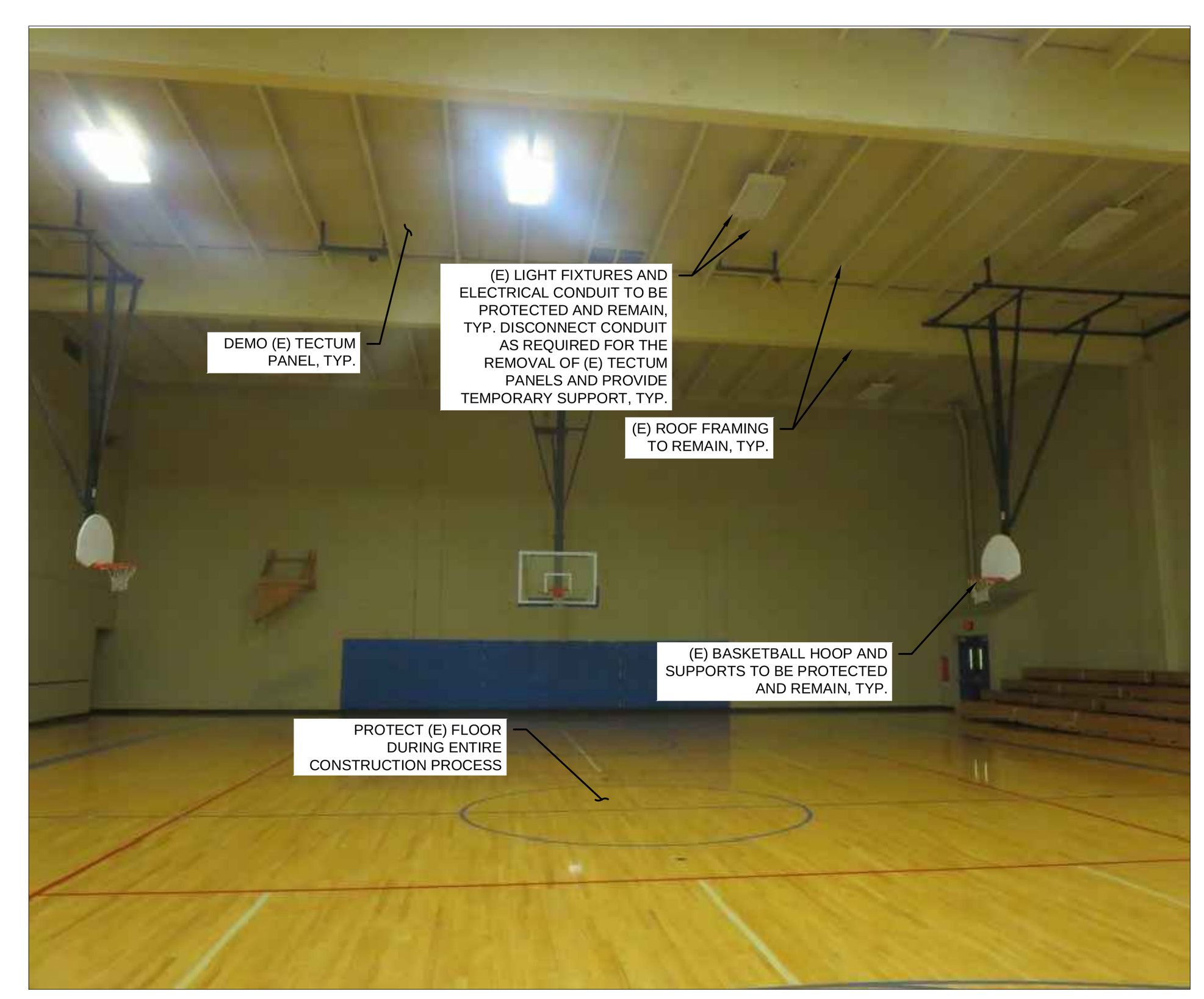
2 PHYSICAL FITNESS ELEVATION
D1.2
NTS

3 PHYSICAL FITNESS ELEVATION
D1.2
NTS

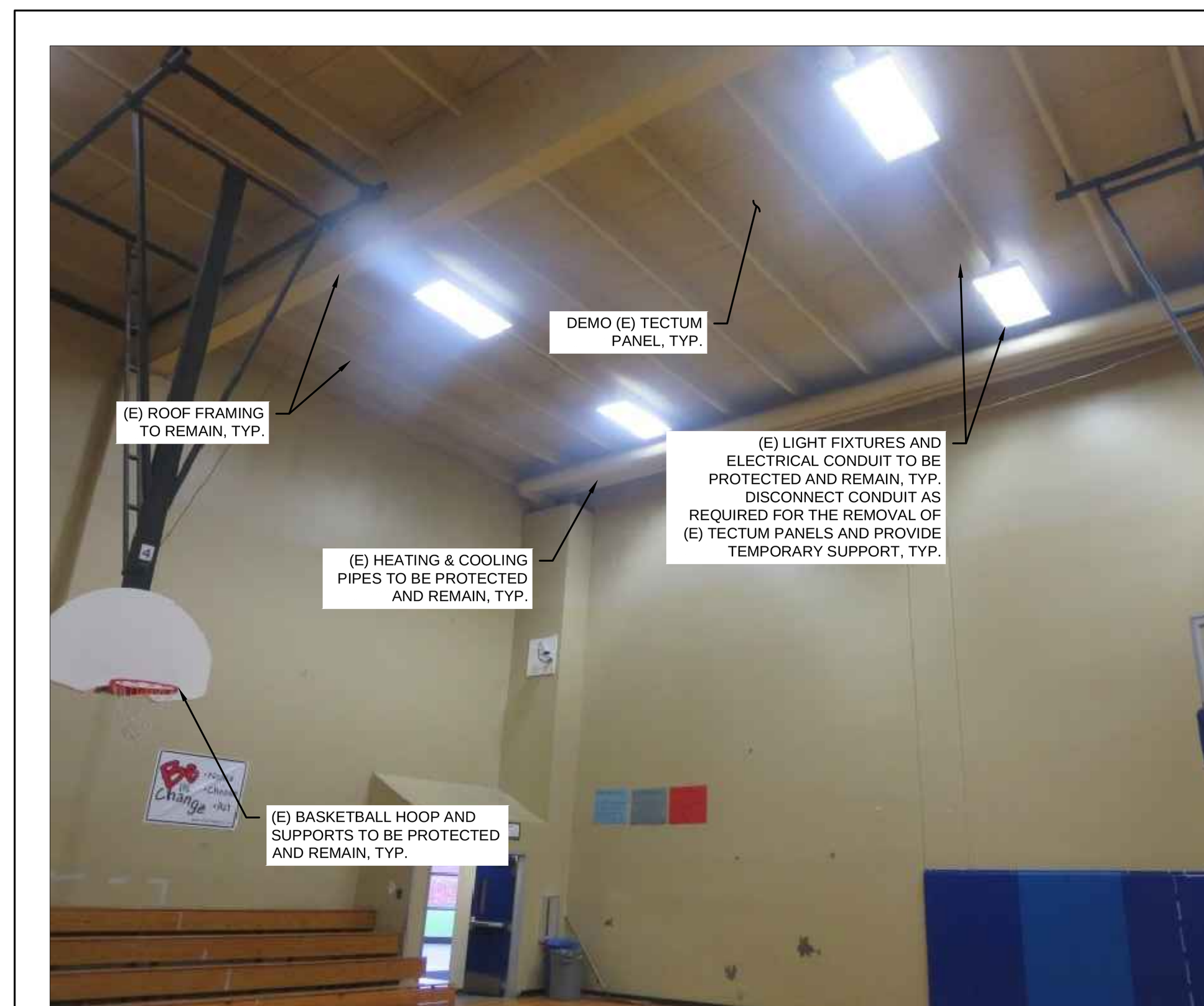


4 MECHANICAL ROOM ELEVATION
D1.2
NTS

5 EQUIPMENT ROOM ELEVATION
D1.2
NTS



6 GYMNASIUM ELEVATION
D1.2
NTS



7 GYMNASIUM ELEVATION
D1.2
NTS

IF THIS BAR DOES NOT MEASURE 1-INCH IN LENGTH, THEN THE DRAWING IS NOT TO SCALE

NO.	REVISIONS	BY	DATE

REYNOLDS SCHOOL DISTRICT

REYNOLDS MIDDLE SCHOOL GYM SEISMIC REHAB.

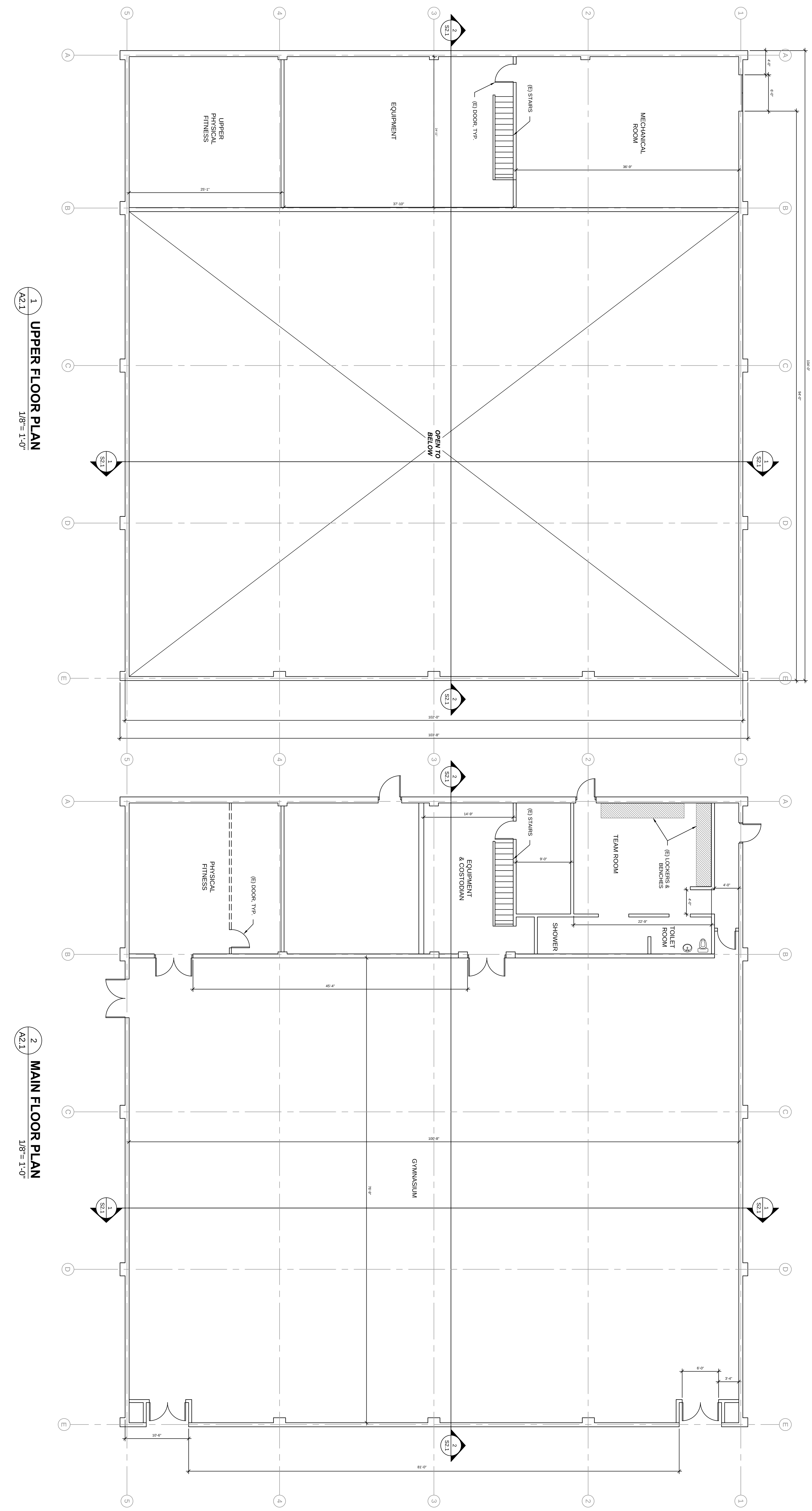
ZCS ENGINEERING
524 Main Street - Suite 02, Oregon City, OR 97045
(503) 659-2205 phone fax (503) 659-2433

PROJECT NO:	P-2066-15
DRAWN:	SDW
CHECKED:	ZAS/RCC
DATE:	1/27/16

REGISTERED PROFESSIONAL ENGINEER OREGON RUSSELL C. CARTER
EXPIRES: 12-31-17
PRELIMINARY- NOT FOR CONSTRUCTION

REFLECTED CEILING DEMO PLAN

D1.2



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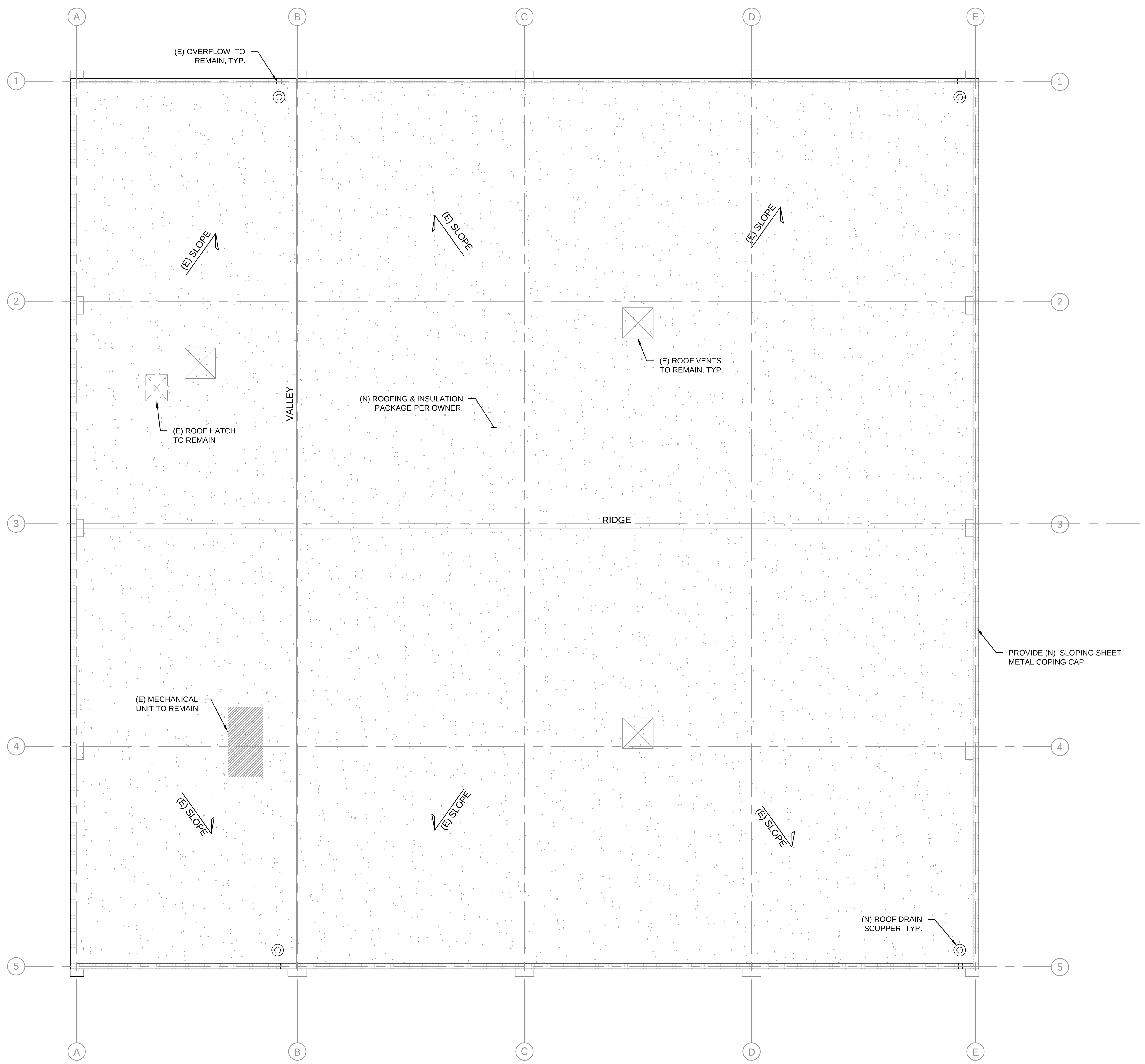
REYNOLDS SCHOOL DISTRICT

REYNOLDS MIDDLE SCHOOL GYM
SEISMIC REHAB.

NO.	REVISIONS	BY	DATE

BUILDING FLOOR PLANS

A1.1



1 / A1.1 **PROPOSED ROOF PLAN**
1/8"= 1'-0"

ROOF REPLACEMENT INSTRUCTIONS:

1. EXISTING ROOFING NOTED ON DEMO PLAN SHALL BE REMOVED, AND DISPOSED OF AT AN APPROVED OFF-SITE LOCATION (EXCEPT IN LOCATIONS NOTED ON PLANS).

HATCH INDICATES: CONCRETE PARAPET TO BE COVERED WITH SLOPING SHEET METAL COPING CAP

HATCH INDICATES: ROOF TO BE REPLACED WITH NEW XXX. INSTALL PER MANUFACTURER'S RECOMMENDATIONS FOR ATTACHMENT TO WOOD DECKS.

2. SYMBOL INDICATES LOCATIONS OF NEW ROOF DRAIN SCUPPER.
3. CONTRACTOR IS RESPONSIBLE FOR ALL ITEMS INCIDENTAL TO THE DELIVERY OF A TURN KEY ROOFING SYSTEM WITH A 15 YEAR TOTAL SYSTEM WARRANTY AND MANUFACTURER'S WEATHER TIGHT WARRANTY. FIELD VERIFICATION OF ROOF TOP AND EAVE CONDITIONS SHALL BE PERFORMED.
4. ALL SEALANTS ASSOCIATED WITH ROOFING AND DRAIN SYSTEM ARE TO BE FURNISHED AND INSTALLED BY ROOFING CONTRACTOR IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION GUIDELINES.
5. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER UPON THE DISCOVERY OF ANY WATER INTRUSION RELATED DAMAGE UNDER THE EXISTING ROOF SYSTEM.
6. PROVIDE FLASHING AT ALL ROOF STEP LOCATIONS. SEE DETAILS FOR ADDITIONAL INFORMATION.
7. ALL ROOFING CONTRACTOR PERSONNEL SHALL BE CLASS 2 ROOFING TRAINED.
8. IN THE EVENT OF CONFLICTS BETWEEN CONTRACT PLANS AND MANUFACTURER'S SPECIFICATIONS CONSULT EOR PRIOR TO PROCEEDING.
9. SEE PLAN SET FOR ADDITIONAL INFORMATION.

GENERAL NOTES

1. ALL WORK & MATERIALS SHALL CONFORM TO ALL APPLICABLE STATE AND LOCAL REGULATIONS, STANDARDS AND MFR. SPECIFICATIONS AND THE 2014 OSSC. CONTACT ENGINEER FOR DIRECTIVE IN THE EVENT OF CONFLICTING STANDARDS AND SPECS.
2. VERIFY ALL DIMENSIONS, ELEVATIONS & LOCATIONS PRIOR TO CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES. DIMENSIONS ON THIS PLAN ARE NOT SUITABLE FOR MATERIAL ORDERING USE. ***CONTRACTOR MUST FIELD VERIFY ALL DIMENSIONS PRIOR TO BIDDING AND ORDERING.***
3. NOTIFY ALL APPLICABLE REGULATORY AGENCIES 48 HRS PRIOR TO BEGINNING WORK.
4. OBTAIN ALL APPLICABLE PERMITS PRIOR TO CONSTRUCTION. PERMIT FEES TO BE PAID BY OWNER.
5. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN, INSTALLATION, AND MAINTENANCE OF ALL ROOF ACCESS SYSTEMS. ALL SYSTEMS MUST COMPLY WITH OSHA AND THE CONTRACT DOCUMENTS.
6. THE PROPER DISPOSAL OF ALL DEMOLITION MATERIALS AND DEBRIS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL MAKE EFFORTS TO RECYCLE AS MUCH DEMOLITION MATERIAL AS POSSIBLE.
7. COORDINATE STAGING AND MATERIALS STORAGE AREA WITH CITY PERSONNEL.
8. SECURITY OF STORED MATERIAL IS THE RESPONSIBILITY OF THE CONTRACTOR.
9. ROOF REPLACEMENT SHALL BE APPROPRIATELY STAGED AND SEQUENCED TO PREVENT THE INTRUSION OF MOISTURE INTO ANY PORTION OF THE BUILDING.
10. NO PORTION OF THE ROOF SHALL BE LEFT UNPROTECTED AGAINST THE ELEMENTS BETWEEN CONTRACTOR SHIFTS.
11. PRESENT PROPOSED ROOF REPLACEMENT SEQUENCING PLAN, WEATHER CONTINGENCY PLAN, AND METHODS FOR THE PROTECTION OF CITY PERSONNEL DURING CONSTRUCTION ACTIVITIES PRIOR TO BEGINNING WORK.
12. SEE PLAN SET AND/OR SPECIFICATIONS FOR MORE INFORMATION.

DETAILS TO BE DETERMINED

3 / A2.1 **ROOF @ DRAIN DETAIL**
NTS

DETAILS TO BE DETERMINED

5 / A2.1 **ROOF @ PARAPET DETAIL**
NTS

DETAILS TO BE DETERMINED

2 / A2.1 **TYPICAL ROOFING SECTION DETAIL**
NTS

IF THIS BAR DOES NOT MEASURE 1-INCH IN LENGTH, THEN THE DRAWING IS NOT TO SCALE

NO.	REVISIONS	BY	DATE

REYNOLDS SCHOOL DISTRICT

REYNOLDS MIDDLE SCHOOL GYM SEISMIC REHAB.

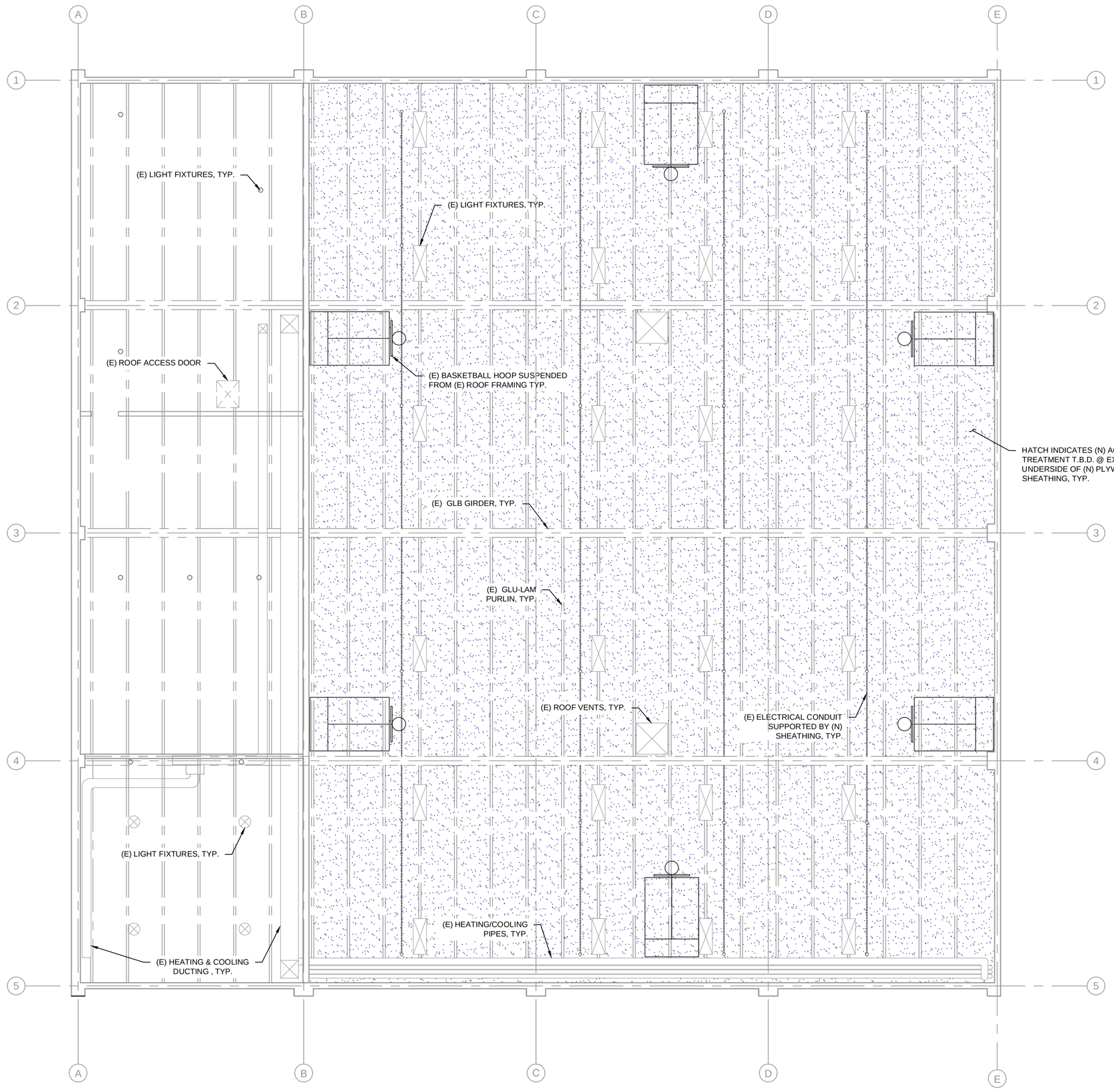
ZCS ENGINEERING
524 Main Street - Suite 02, Oregon City, OR 97045
(503) 659-2205 phone fax (503) 659-2433

PROJECT NO:	P-2066-15
DRAWN:	SDW
CHECKED:	ZAS/RCC
DATE:	1/27/16

STRUCTURAL REGISTERED PROFESSIONAL ENGINEER OREGON 16, 1996 L. C. CARTER
EXPIRES: 12-31-17
-PRELIMINARY- NOT FOR CONSTRUCTION

PROPOSED ROOF PLAN & DETAILS

A2.1



1 A3.1 **PROPOSED REFLECTED CEILING PLAN**

1/8"= 1'-0"

SPECIAL NOTE:
ANY AND ALL (E) HVAC UNITS ABOVE GROUND LEVEL SHALL BE ATTACHED TO FRAMING AND BRACED. ALL MECHANICAL PIPING TO BE BRACED. TYP.

IF THIS BAR DOES NOT MEASURE 1-INCH IN LENGTH, THEN THE DRAWING IS NOT TO SCALE

NO.	REVISIONS	BY	DATE

REYNOLDS SCHOOL DISTRICT

REYNOLDS MIDDLE SCHOOL GYM
SEISMIC REHAB.

ZCS ENGINEERING
524 Main Street • Suite 102, Oregon City, OR 97045
(503) 659-2295 phone • (503) 699-2433 fax

PROJECT NO:	P-2066-15
DRAWN:	SDW
CHECKED:	ZAS/RCC
DATE:	1/27/16

STRUCTURAL ENGINEER
REGISTERED PROFESSIONAL ENGINEER
OREGON
JULY 16, 1985
R. C. CARTER
EXPIRES: 12-31-17

PRELIMINARY - NOT FOR CONSTRUCTION

PROPOSED REFLECTIVE CEILING PLAN

A3.1

REYNOLDS SCHOOL DISTRICT

REYNOLDS MIDDLE SCHOOL GYM
SEISMIC REHAB.

NO	DATE	BY

IF THIS BAR DOES NOT MEASURE 1-INCH IN LENGTH, THEN THE DRAWING IS NOT TO SCALE

ZCS ENGINEERING
824 Main Street - Suite 02, Oregon City, OR 97045
(503) 656-2235 phone (503) 699-2423 fax

PROJECT NO: P-2066-15
DRAWN: SDW
CHECKED: ZAS/RCC
DATE: 1/27/16

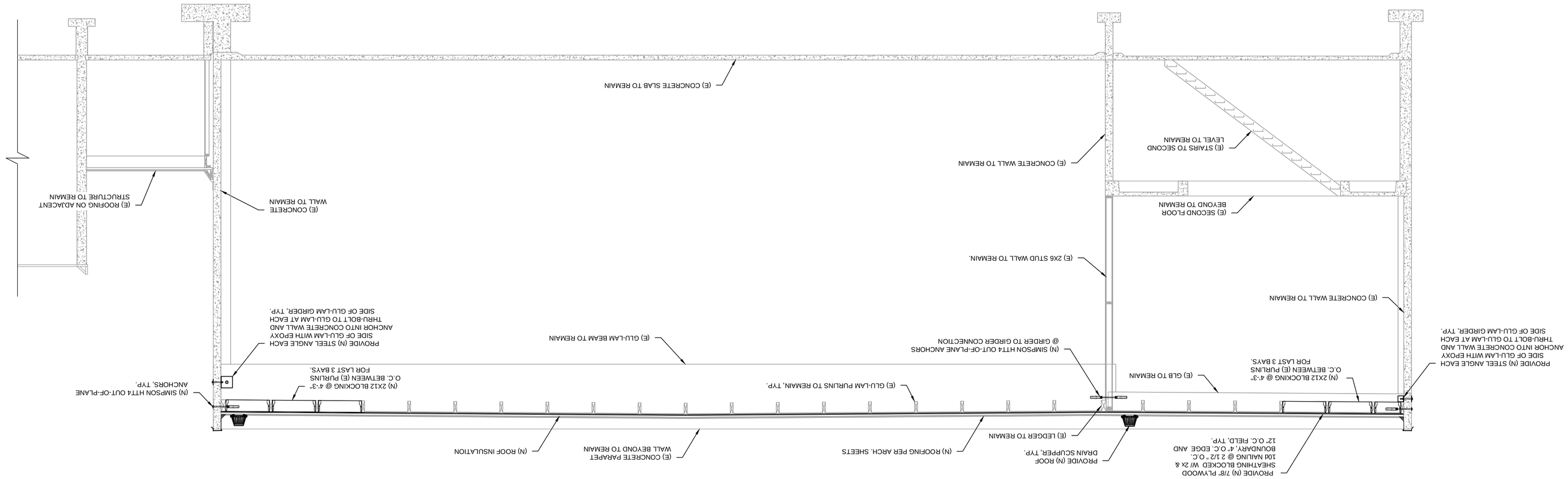
STRUCTURAL ENGINEERING
REGISTERED PROFESSIONAL ENGINEER
OREGON
JULY 16, 1999
ROBERT C. CARTER
EXPIRES: 12-31-17

"PRELIMINARY NOT FOR CONSTRUCTION"

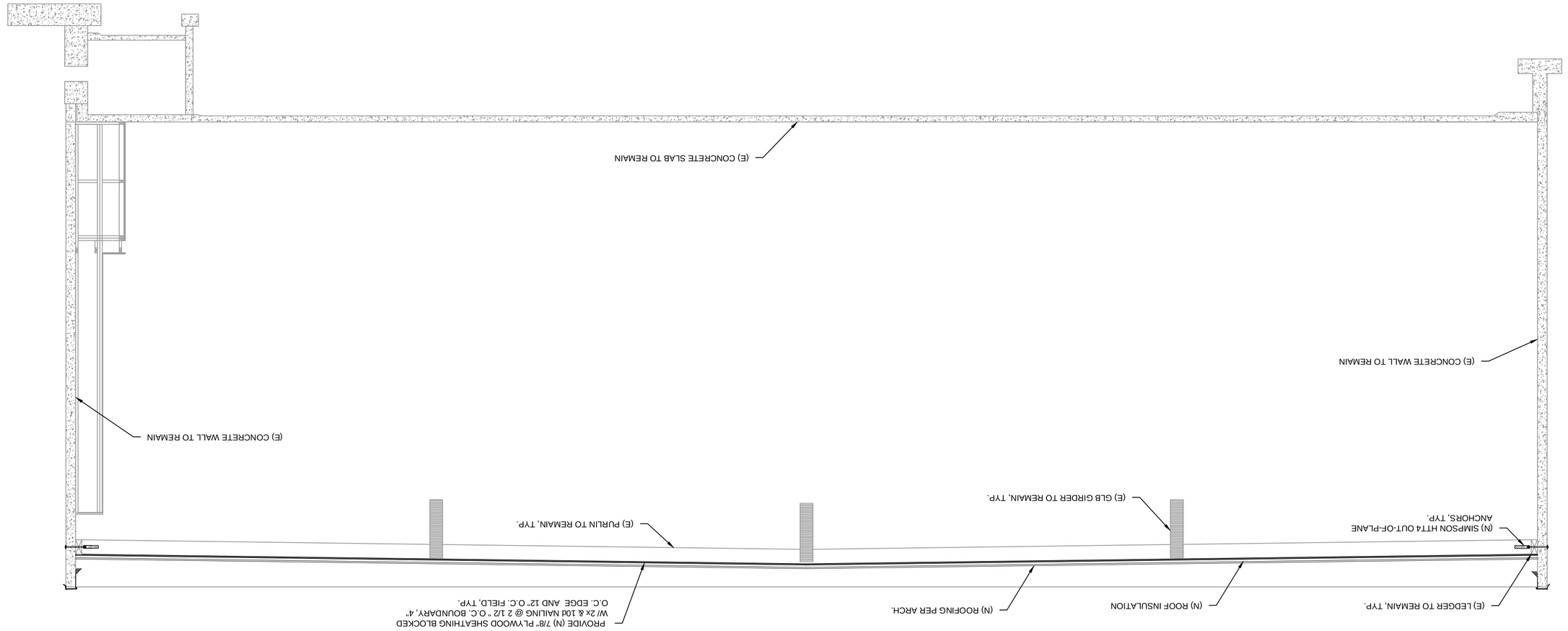
BUILDING SECTIONS

A4.1

2 LONGITUDINAL BUILDING SECTION
S2.1 3/16"= 1'-0"



1 TRANSVERSE BUILDING SECTION
S2.1 3/16"= 1'-0"



PROJECT STRUCTURAL NOTES (FAIRVIEW, MULTNOMAH COUNTY, OREGON 97204)

GENERAL INFORMATION:

1. STRUCTURAL DRAWINGS ARE A PORTION OF THE CONTRACT DOCUMENTS AND ARE INTENDED TO BE USED WITH ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE REQUIREMENTS FROM THESE DRAWINGS INTO THEIR SHOP DRAWINGS AND WORK. THESE GENERAL NOTES SUPPLEMENT THE PROJECT SPECIFICATIONS. REFER TO THE PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. NOTES AND DETAILS ON THE STRUCTURAL DRAWINGS SHALL TAKE PRECEDENCE OVER THE GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE GIVEN, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK.
2. THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL TEMPORARY BRACING AND/OR SUPPORT THAT MAY BE REQUIRED AS THE RESULT OF THE CONTRACTOR'S CONSTRUCTION METHODS AND/OR SEQUENCES.
3. ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS SHALL BE FIELD VERIFIED. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD OF ANY SIGNIFICANT DISCREPANCIES FROM CONDITIONS SHOWN ON THE DRAWINGS.
4. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION MEANS AND METHODS. RESPONSIBILITY SHALL INCLUDE BUT NOT LIMITED TO DEMOLITION AND CONSTRUCTION MEANS AND METHODS, TECHNIQUES, SEQUENCING, AND SAFETY REQUIRED TO COMPLETE CONSTRUCTION.
5. UNLESS OTHERWISE NOTED, MATERIAL AND DESIGN SPECIFICATIONS CITED HEREIN SHALL BE THOSE CONFORMING WITH THE VERSION OF THE APPLICABLE SPECIFICATIONS OR CODE MOST RECENTLY ADOPTED BY THE PERMITTING AUTHORITY. THESE STRUCTURAL NOTES ARE TO BE USED AS A SUPPLEMENT TO THE SPECIFICATIONS.
6. ALL FEATURES OF CONSTRUCTION NOT FULLY SHOWN SHALL BE OF THE SAME TYPE AND CHARACTER AS SHOWN FOR SIMILAR CONDITIONS, SUBJECT TO REVIEW BY THE ARCHITECT AND STRUCTURAL ENGINEER OF RECORD.
7. ALL PRODUCTS AND MATERIALS USED BY THE CONTRACTOR SHALL BE APPLIED, PLACED, ERECTED OR INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

CODE REQUIREMENT:

1. CONFORM TO THE 2014 OREGON STRUCTURAL SPECIALTY CODE, BASED ON THE 2014 INTERNATIONAL BUILDING CODE (IBC). NOTE: THIS APPLIES TO ALL REFERENCES TO OSSC.

DESIGN CRITERIA:

1. THE WORK UNDER THE FOLLOWING SPECIFICATION SECTIONS IS SUBJECT TO SPECIAL INSPECTIONS AS DESCRIBED IN SECTION 1704 OF THE OSSC.

   015120 - STRUCTURAL STEEL
   06100 - ROUGH CARPENTRY

2. DESIGN IS BASED ON THE STRENGTH AND DEFLECTION CRITERIA OF THE OSSC. IN ADDITION TO THE DEAD LOADS, THE FOLLOWING LOADING AND ALLOWABLE LOAD IS USED FOR DESIGN:

A. LIVE LOADS:	
SLAB-ON-GRADE	40 PSF
CLASSROOM	40 PSF
B. ROOF DEAD LOAD	25 PSF
C. ROOF SNOW LOAD:	25 PSF
D. WIND LOAD:	
BASIC WIND SPEED (3-SECOND GUST)	145 MPH
WIND EXPOSURE	C
WIND IMPORTANCE FACTOR	1.15
BUILDING CATEGORY	III
INTERNAL PRESSURE COEFFICIENT	0.18
TOPOGRAPHIC FACTOR	1.00
E. EARTHQUAKE DESIGN DATA:	
USE GROUP	III
S'S	0.980g
S'1	0.400g
S'DS	0.724g
S'D1	0.427g
SITE CLASS	D
SEISMIC DESIGN CATEGORY	D
SEISMIC IMPORTANCE FACTOR	1.25
ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE
BASIC SEISMIC-FORCE RESISTING SYSTEMS:	
ORDINARY PRECAST SHEAR WALLS	
RESPONSE MODIFICATION FACTOR	R = 3
SEISMIC RESPONSE COEFFICIENT	$C_S = 0.226$

SPECIAL INSPECTION:

1. SPECIAL INSPECTIONS WILL BE PROVIDED BY THE OWNER BASED ON THE REQUIREMENTS OF THE OSSC. A SPECIAL INSPECTION AND TESTING FORM MUST BE COMPLETED PER THE APPLICABLE SECTIONS OF THE OSSC IN ACCORDANCE WITH THE SPECIAL INSPECTION AGREEMENT PREPARED BY ZCS ENGINEERING & DATED XX/XX/XX. THE OWNER AND THE CONTRACTOR SHALL COORDINATE EFFORTS TO COMPLETE THIS LIST. THE CONTRACTOR SHALL PROVIDE SUFFICIENT NOTICE AND ACCESS FOR THE SPECIAL INSPECTOR TO PERFORM THESE INSPECTIONS.

CONCRETE ACCESSORIES:

1. EXPANSION BOLTS SHALL BE POWERS POWER STUD+, OR APPROVED WITH EQUIVALENT ICC ALLOWABLE TENSION AND SHEAR VALUES. EXPANSION BOLTS SHALL BE INSTALLED IN STRICT CONFORMANCE WITH MANUFACTURER'S RECOMMENDATIONS. DO NOT CUT REINFORCING IN NEW OR EXISTING CONCRETE DURING INSTALLATION.
2. EPOXY ADHESIVE SHALL BE HILTI RE500-SD OR APPROVED WITH EQUIVALENT ICC ALLOWABLE TENSION AND SHEAR VALUES. EPOXY ANCHORS SHALL BE INSTALLED IN STRICT CONFORMANCE WITH MANUFACTURER'S RECOMMENDATIONS. DO NOT CUT REINFORCING IN NEW OR EXISTING CONCRETE DURING INSTALLATION.
3. PERMANENTLY EXPOSED EMBEDDED PLATES AND ANGLES SHALL BE HOT-DIPPED, GALVANIZED AFTER FABRICATION, UNLESS OTHERWISE NOTED. NO LOADS OR WELDS SHALL BE PLACED ON EMBEDDED PLATES OR ANGLES FOR A MINIMUM OF 7 DAYS AFTER CASTING.

DIVISION 04 - METALS

STRUCTURAL STEEL AND MISCELLANEOUS IRON:

STRUCTURAL STEEL SHALL BE:

ASTM A36 — CHANNELS, PLATES AND ANGLES, EXCEPT AS NOTED

1. DESIGN, FABRICATION, AND ERECTION SHALL BE IN ACCORDANCE WITH THE "AISC SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS" WITH "COMMENTARY" AND THE "CODE OF STANDARD PRACTICE", WITH EXCEPTIONS NOTED IN SPECIFICATIONS.
2. DRAWINGS ARE DIMENSIONED FOR LAYOUT AND NOT DIMENSIONED PER AISC STANDARDS. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO COORDINATE BETWEEN ALL DRAWINGS AND DEVELOP SHOP DRAWINGS WITH DETAIL AND DIMENSIONING PER AISC.
3. ALL FABRICATION, ERECTION, IDENTIFICATION, AND PAINTING SHALL CONFORM TO AISC SPECIFICATIONS.
4. ALL STEEL EXPOSED TO WEATHER, SOIL, MOISTURE, OR AS DENOTED ON PLANS SHALL BE HOT DIP GALVANIZED PER ASTM A-123, OR OTHER APPROVED PROTECTIVE COATING.
6. ALL STEEL TO WOOD CONNECTION SHALL BE MADE WITH SEMI-FINISHED MACHINE BOLTS, UNLESS NOTED OTHERWISE ON PLANS TO CONFORM TO ASTM A 307, GRADE A.
7. ERECTION AIDS (SUCH AS BOLTS, CLIPS, SHIMS, SEATS OR ANY OTHERS REQUIRED TO FACILITATE CONSTRUCTION) ARE THE RESPONSIBILITY OF THE CONTRACTOR TO DESIGN AND PROVIDE.
8. ALL EMBEDDED STEEL SHALL BE FABRICATED FROM MATERIAL CONFORMING WITH THE REQUIREMENTS OF ASTM A 36. HOT-DIP GALVANIZE IN ACCORDANCE WITH ASTM A 123, UNLESS NOTED OTHERWISE.

DIVISION 06 - WOOD, PLASTICS AND COMPOSITES

FRAMING LUMBER:

1. ALL FRAMING LUMBER SHALL BE DOUGLAS FIR-LARCH AND SHALL BE GRADED UNDER THE MOST RECENTLY ADOPTED RULES OF THE WEST COAST LUMBER INSPECTION BUREAU (WCLIB).
2. ALL BEAMS AND JOISTS SHALL BE NO. 2 MINIMUM , UNLESS INDICATED OTHERWISE ON THE PLANS. END BLOCKING SHALL BE PROVIDED WHERE JOISTS ARE NOT OTHERWISE RESTRAINED FROM ROTATION.
3. ALL STUDS AND BLOCKING SHALL BE NO. 2.
4. ALL LUMBER IN CONTACT WITH CONCRETE OR EXPOSED SHALL BE PRESSURE TREATED IN ACCORDANCE WITH AWPA STANDARD C-2 AND SHALL BEAR THE AWPA QUALITY MARK.

PLYWOOD SHEATHING:

1. ALL PLYWOOD SHALL BE STRUCTURAL 1 GRADE WITH EXTERIOR GLUE MANUFACTURED IN ACCORDANCE WITH THE UNITED STATES PRODUCT STANDARDS PS 1-83/ANSI A199.1 "FOR CONSTRUCTION AND INDUSTRIAL PLYWOOD" AND SHALL CONFORM TO OSSC STANDARD 23-2 AND SHALL BEAR THE APA TRADEMARK OF THE APA.
2. PLYWOOD SHALL BE LAID WITH END JOINTS STAGGERED.
3. ROOF SHEATHING TO BE UNBLOCKED 7/8" C-D 48/24 PLY WITH 10D AT 4" O.C. PANEL EDGE NAILING AND 12" O.C. FIELD NAILING TYPICAL, UNLESS NOTED OTHERWISE ON PLANS.
4. OSB MAY BE SUBSTITUTED FOR PLYWOOD WITH SAME SPAN RATING.

NAILING AND FASTENERS:

1. NAILING INDICATED ON PLANS AND DETAILS ARE "COMMON" NAILS. MINIMUM FRAMING NAILING SHALL CONFORM TO OSSC TABLE 2304.9.1 SEE DETAILS FOR ADDITIONAL TYPICAL NAILING REQUIREMENTS. SUBSTITUTION OF NAILS OTHER THAN "COMMON" IS NOT PERMITTED WITHOUT PRIOR APPROVAL.
2. POWER DRIVEN NAILS OTHER THAN "COMMON" NAILS MAY BE USED IF DATA IS SUBMITTED AND APPROVED PRIOR TO USE.
3. ALL BOLTED CONNECTIONS SHALL BE MADE WITH MACHINE BOLTS (M.B.) CONFORMING TO ASTM A307. ALL BOLTS AND LAGS SHALL BE INSTALLED WITH STANDARD WASHERS, UNLESS NOTED.
4. JOIST HANGERS, HOLDOWNS AND OTHER FRAMING ACCESSORIES ARE REFERRED TO ON PLANS BY PARTICULAR TYPE AS MANUFACTURED BY SIMPSON COMPANY, SAN LEANDRO, CA. ALL HARDWARE IS TO BE FASTENED PER MANUFACTURER'S SPECIFICATIONS, U.N.O.
5. ALL PLATES AND LEDGERS SHALL BE ANCHORED WITH A MINIMUM OF THREE FASTENERS PER PIECE.
6. PRE-DRILL HOLES FOR LAG BOLTS. SOAP THREADS OF LAGS IMMEDIATELY PRIOR TO INSTALLATION.
7. EPOXY ANCHOR BOLTS AND ADHESIVE INDICATED ON DRAWINGS SHALL BE HILTI RES00-SD, OR APPROVED EQUAL. DEPTH OF EMBEDMENT SHALL BE AS PER MANUFACTURER SPECIFICATIONS, UNLESS NOTED OTHERWISE. INSTALL ALL EPOXY FASTENERS IN STRICT ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS.

STRUCTURAL STEEL SHALL BE:

CONSTRUCTION CONNECTION NOTE:

ALL FRAMING SHALL BE PERFORMED WITH THE IMPLEMENTATION OF THE APPROPRIATE CONNECTION HARDWARE. AT A MINIMUM, THE FOLLOWING CONDITIONS WILL REQUIRE STANDARD SIMPSON (OR APPROVED EQUAL) CONNECTION DEVICES:
-POST TO FOOTING
-POST TO BEAM
-BEAM TO BEAM
-BLOCKING TO WALL PLATE
-DRAG STRUT TO SHEAR WALL
-HOLDOWNS TO SHEAR WALL BOUNDARIES
*****CONNECTIONS UTILIZING TOE-NAILS ALONE WILL NOT BE PERMITTED.***
*****THE CONTRACTOR WILL BE RESPONSIBLE FOR VERIFYING ALL FRAMING CONNECTIONS WITH THE ENGINEER.***

ALL CONNECTIONS ARE SUBJECT TO REVISION, G.C. SHALL VERIFY CONNECTIONS FOR CONSTRUCTION FEASIBILITY AND OBSTRUCTIONS AND REPORT BACK TO ENGINEER FOR FIELD DIRECTIVES AS REQ'D.

SPECIAL NOTE:
ALL ERECTION BRACING AND TEMPORARY SHORING IS THE RESPONSIBILITY OF THE CONTRACTOR, TYP.

WEHATER/WATERPROOFING NOTE:
G.C. TO PROVIDE VISQUEEN OR AN APPROVED ALTERNATE VAPOR BARRIER AT ALL LOCATIONS WHERE TIMBER FRAMING SHALL BE PERMANENTLY IN CONTACT WITH UN-REINFORCED MASONRY OR CONCRETE CONSTRUCTION. USE OF P.T. MATERIAL FOR OTHER FRAMING MEMBERS SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER OF RECORD.

IF THIS BAR DOES NOT MEASURE 1-INCH IN LENGTH, THEN THE DRAWING IS NOT TO SCALE

NO.	REVISIONS	BY	DATE

REYNOLDS SCHOOL DISTRICT

REYNOLDS MIDDLE SCHOOL GYM SEISMIC REHAB.

ZCS ENGINEERING
524 Main Street - Suite 02, Oregon City, OR 97045
(503) 659-2205 phone fax (503) 659-2433

PROJECT NO:	P-2066-15
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DATE:	1/27/16

-PRELIMINARY- NOT FOR CONSTRUCTION

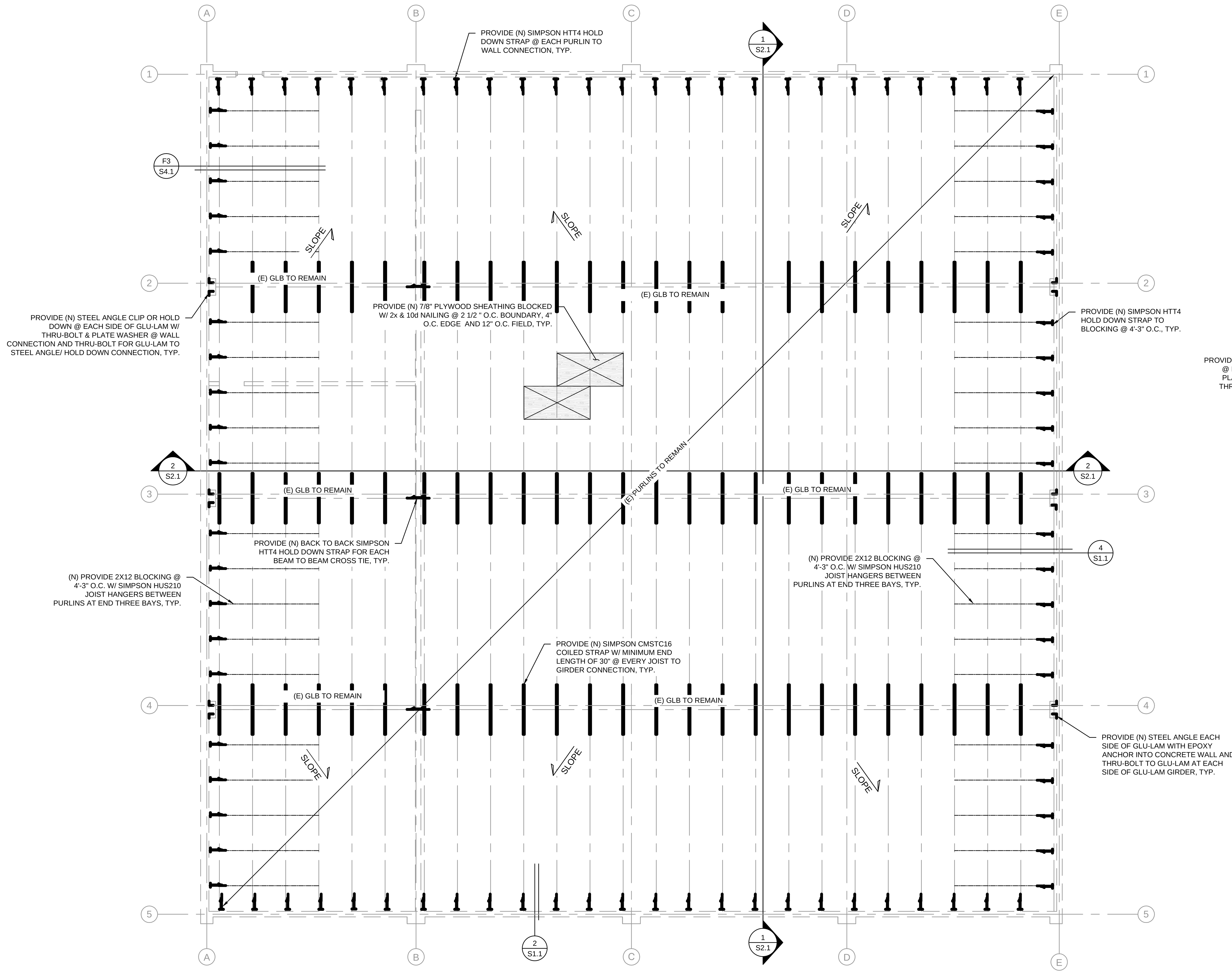
EXPIRES: 12-31-17

STRUCTURAL NOTES

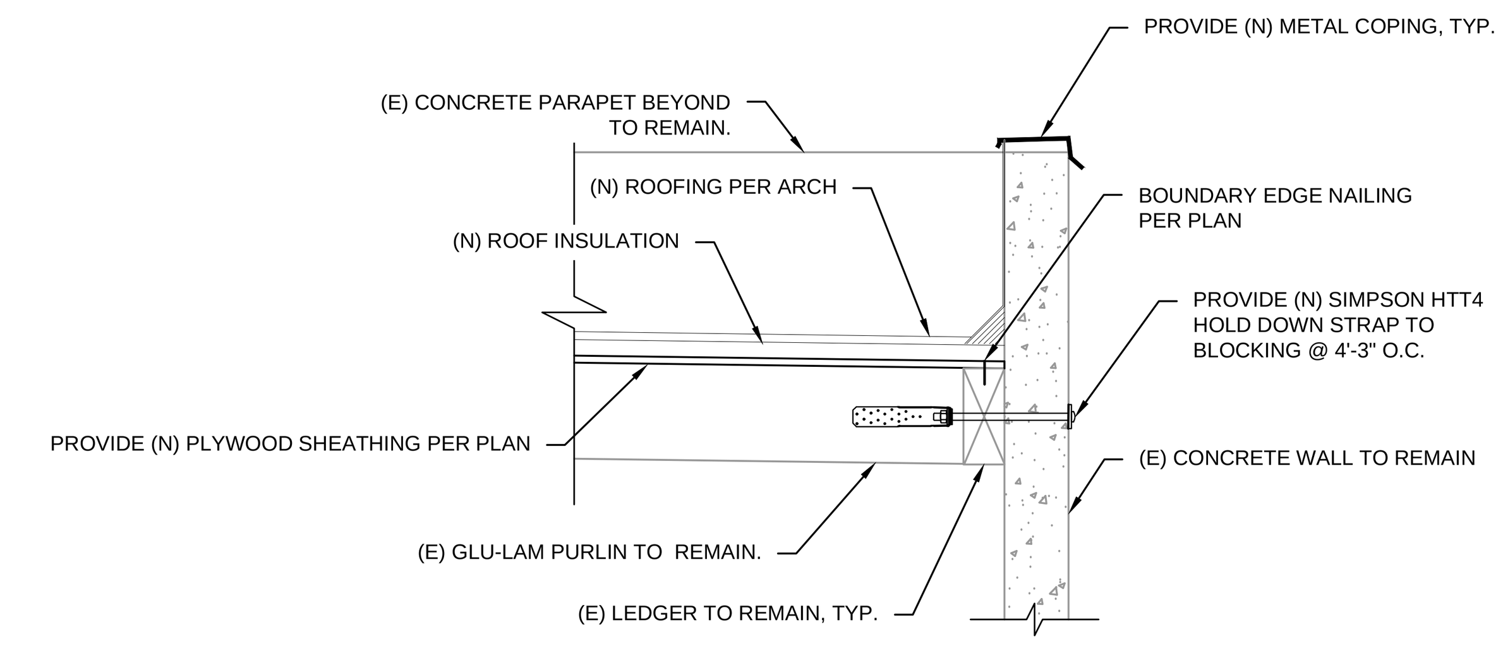
S0.1

STRUCTURAL NOTES

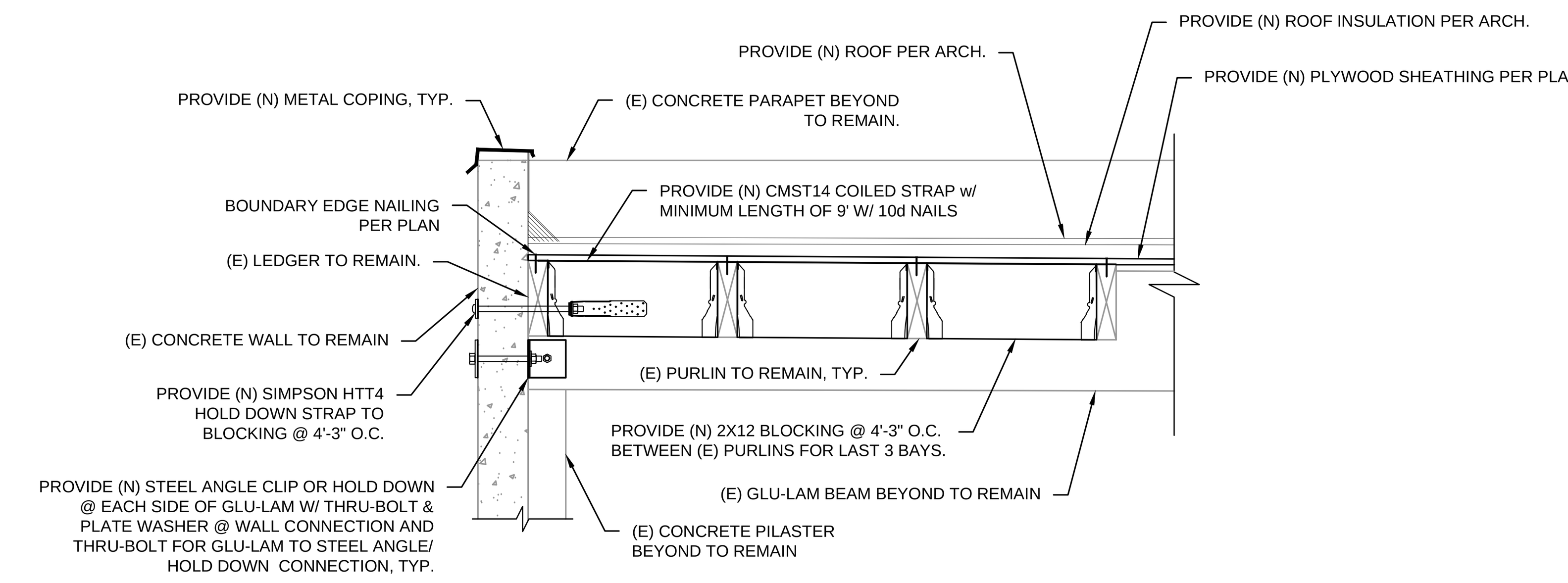
1. DIMENSIONS SHOWN ARE FOR REFERENCE ONLY, CONFIRM W/ ARCHITECTURAL PLAN & DETAILS.
2. COORDINATE PENETRATIONS OF SITE UTILITIES, MECHANICAL DUCTS, PIPING, AND ELECTRICAL CONDUIT/PANELS TO MINIMIZE IMPACT TO STRUCTURAL FRAMING. PLUMBING FIXTURES SHOWN ON FLOOR FOR REFERENCE AND POSSIBLE FRAMING CONFLICTS ONLY.
3. G.C. TO MAKE NOTE OF ANY ROOF LEAK DAMAGE THAT MAY BE DISCOVERED DURING NEW SHEATHING & ROOFING INSTALLATION. REPORT ANY DAMAGE TO EOR.
4. G.C. TO VERIFY QUALITY OF (E) LEDGER BOARDS BEFORE USING THEM AS DIAPHRAGM CONNECTION. REPORT ANY DAMAGE TO EOR.



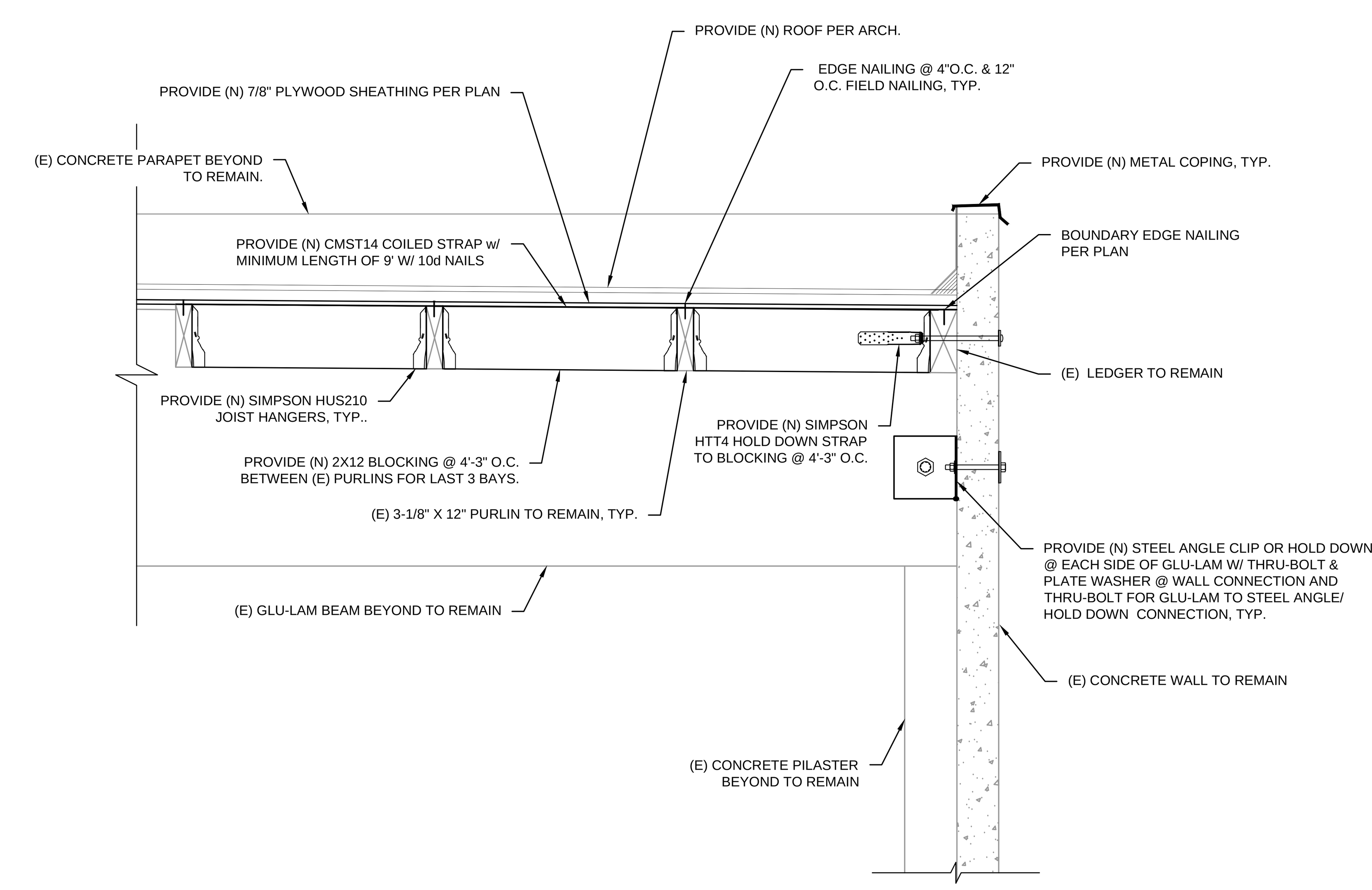
1 S1.1 **PROPOSED ROOF FRAMING PLAN**
1/8"= 1'-0"



2 S1.1 **ROOF TO WALL DETAIL**
1/2"= 1'-0"



3 S1.1 **ROOF TO WALL DETAIL**
1/2"= 1'-0"



4 S1.1 **ROOF TO WALL DETAIL @ GLB**
1/2"= 1'-0"

IF THIS BAR DOES NOT MEASURE 1-INCH IN LENGTH, THEN THE DRAWING IS NOT TO SCALE

NO.	REVISIONS	BY	DATE

REYNOLDS SCHOOL DISTRICT

REYNOLDS MIDDLE SCHOOL GYM SEISMIC REHAB.

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524 Main Street - Suite 02, Oregon City, OR 97045
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EXPIRES: 12-31-17

PROPOSED ROOF FRAMING PLAN & DETAILS

S1.1

PBS | Engineering + Environmental

Pre-Renovation Asbestos Survey

Reynolds MS North Gym
Seismic Renovation
Portland, OR

Prepared for:

Reynolds School District No. 7

General Information	1.1
Inspection Summary	1.2
Sample Inventories	2.1
Laboratory Data	Not Numbered
AHERA Certificates	Not Numbered

January 2016
Project No.: 23514.018

4412 SW Corbett Avenue, Portland, OR 97239
503.248.1939 Main
866.727.0140 Fax
888.248.1939 Toll-Free

www.pbsenv.com

GENERAL INFORMATION

BUILDING DATA

Reynolds MS North Gym
Portland, OR

CLIENT DATA

Reynolds School District No. 7
1204 NE 201st Ave.
Fairview, OR 97024-9642

SURVEY SCOPE

PBS Engineering and Environmental Inc. (PBS) has performed a limited asbestos survey of accessible building areas in the project areas in accordance with Occupational Safety and Health Administration (OSHA) in 29 Code of Federal Regulation (CFR) 1910.1001 and compiled a report with the following information:

- The type, location, and approximate quantity of suspect asbestos-containing materials
- Bulk sampling of selected suspect building materials
- Inspection summary
- Laboratory analytical data of bulk material sampled
- Suspect PCB light ballast inspection

PBS endeavored to locate all the suspect asbestos-containing materials that may be impacted during the planned remodeling activities; however, suspect asbestos-containing materials may be present and concealed within wall, ceiling, or floor spaces. If suspect materials are uncovered during demolition activities that are not identified in this report, testing should be performed prior to impact.

PBS has conducted a physical inspection of the project areas, compiled this report consistent with the survey scope, and certifies that the information is correct and accurate within the standards of professional quality and contractual obligations.

Derek May
Project Manager
Accreditation # IR-15-0009A

S. Derek May 01.28.2015
Signature Date

Rich Dufresne
Prime Inspector
Accreditation # IMR-15-0264A

Rich Dufresne 01.28.2015
Signature Date

INSPECTION SUMMARY

DATES	SURVEYED BY	ACTIVITY
1/19/2016	Rich Dufresne	Inspect and Sample

PBS has investigated accessible areas in the project areas to locate suspect asbestos-containing building materials (ACBM). Suspect materials may be present in concealed areas (e.g., behind walls and under carpet). The findings are listed below.

ASBESTOS MATERIALS

The following materials either tested positive, or, based on the experience of PBS field personnel, were not tested and should be considered asbestos-containing. Materials that had mixed results are considered positive. Materials not sampled may not contain asbestos and should be tested to verify asbestos content prior to impact through demolition, renovation, etc.
(+) Tested Positive, (M) Mixed Results, (P) Presumed Positive, (T) Previously Tested Positive.

Result	Material (type)	Location	Approx. Quantity
(T)	Hard Fittings/Fiberglass	North Gym	NOT QUANTIFIED

MATERIALS THAT TESTED NEGATIVE FOR ASBESTOS

The following materials tested negative based on ASHARA sampling minimums and testing by NVLAP participating laboratories. Although no asbestos was detected, it is possible that further sampling could indicate asbestos content. It may be prudent to test prior to impact through demolition, renovation, etc.

Material (type)	Location
Built-up Roofing	North Gym; Roof
Roofing Debris	North Gym; Atop Roof
Tectum Panels	North Gym; Ceiling
Gypsum Wallboard/Joint Compound	North Gym; Interior Walls

INSPECTION SUMMARY

BACKGROUND

On January 19, 2016, PBS Engineering and Environmental Inc. (PBS) performed a pre-renovation hazardous building materials survey of the North Gymnasium at Reynolds Middle School located at 1200 NE 201st Avenue in Fairview, Oregon.

The purpose of the survey was to identify asbestos-containing building materials, lead-based paint, and other regulated building materials that may be impacted by the planned seismic improvements to the north gymnasium.

Only the portions of the school building anticipated to be impacted by the planned seismic improvements were included in this investigation. Asbestos-containing materials are known to exist in other portions of the school that are not included within the scope of this project.

This survey is compiled to satisfy requirements to perform an asbestos inspection prior to any renovation or demolition activities under Oregon Administration Regulations (OAR) 340-248-0270 and OSHA hazard communication requirements.

The following is a summary of our findings.

ASBESTOS SUMMARY

Bulk samples of suspect asbestos-containing materials (ACM) were collected by a PBS Asbestos Hazard Emergency Response Act (AHERA) accredited inspector and submitted under chain-of-custody to Lab/Cor, Inc. of Portland, Oregon, for polarized light microscopy (PLM) analysis.

Asbestos-containing hard fitting insulation is present on pipes in the gymnasium. Pipes with asbestos-containing insulation are located immediately below the effected ceiling line.

It is not anticipated that the pipe insulation will be impacted by the seismic renovations project; however, contractors must be made aware of its presence and instructed not to come into contact with it. If impact to the material is anticipated, it should be removed by a qualified asbestos abatement contractor.

No other materials tested positive for asbestos.

The ceiling and roofing structure are tectum panels overlaid with built-up roofing with a gravel ballast. The roofing tested negative at the roof hatch location. Although the samples at the roof hatch tested negative for asbestos, an additional full core sample may be warranted prior to complete roofing removal.

LEAD SUMMARY

A single representative paint chip sample was collected to determine lead concentration in paint. This sample represents the major painted interior of the North Gymnasium Building.

The paint samples were submitted under chain of custody to R.J. Lee Group in Monroeville, Pennsylvania, for lead analysis by flame atomic absorption (FLAA).

The paint sample tested below the limit of detection for lead.

INSPECTION SUMMARY

MERCURY-CONTAINING LAMPS

Florescent light fixtures are present that use mercury-containing light tubes. The light fixtures are attached by a means that will require their removal during the seismic roofing project.

Approximately 150 four-foot lamps were observed**.** The associated ballasts are labeled as “No PCBs.”

Code	Material	Location	Results	Lab
23514.018-0001	Gypsum Wallboard/Joint Compound	North gym; wallboard with joint compound		Lab Cor
	Layer:	**Description:**	**Analysis:**	
	Layer 1	fine compact powder, off-white	No Asbestos Detected	
	Layer 2	compact chalky material with paper, white	No Asbestos Detected	
23514.018-0002	Gypsum Wallboard/Joint Compound	North gym; wallboard with joint compound		Lab Cor
	Layer:	**Description:**	**Analysis:**	
	Layer 1	fine compact powder, off-white with paint, brown	No Asbestos Detected	
	Layer 2	compact chalky material with paper, white	No Asbestos Detected	
23514.018-0003	Tectum	North gym; ceiling, ceiling panels		Lab Cor
	Layer:	**Description:**	**Analysis:**	
	Layer 1	thick fibers, tan with coating, white	No Asbestos Detected	
23514.018-0004	Built-up Roofing	North gym; roofing, lower layer on tectum panels		Lab Cor
	Layer:	**Description:**	**Analysis:**	
	Layer 1	fibrous tar, black	No Asbestos Detected	
	Layer 2	thick fibers, tan with coating, white	No Asbestos Detected	
23514.018-0005	Built-up Roofing	North gym; roofing, lower layer on tectum panels		Lab Cor
	Layer:	**Description:**	**Analysis:**	
	Layer 1	fibrous tar, black	No Asbestos Detected	
	Layer 2	thick fibers, tan with coating, white	No Asbestos Detected	
23514.018-0006	Built-up Roofing	North gym; roofing, roofing debris at access		Lab Cor
	Layer:	**Description:**	**Analysis:**	
	Layer 1	thick fibrous tar, black	No Asbestos Detected	
23514.018-0007	Built-up Roofing	North gym; roofing, roofing debris at access		Lab Cor
	Layer:	**Description:**	**Analysis:**	
	Layer 1	rocky fibrous tar, black	No Asbestos Detected	
23514.018-0008	Built-up Roofing	North gym; roofing, roofing debris at access		Lab Cor
	Layer:	**Description:**	**Analysis:**	
	Layer 1	paint, silver	No Asbestos Detected	
	Layer 2	tar, black	No Asbestos Detected	

Code	Material	Analysis	Location	Lab
PAINT				
LB23514.018-1001	Paint	<93 ppm	North gym; wall, concrete, beige, fair condition	R.J. Lee Group

Lab/Cor Portland, Inc.
4321 SW Corbett Ave., Ste A
Portland, OR 97239

BULK SAMPLE ASBESTOS ANALYSIS

Asbestos and Environmental Analysis

Phone: (503) 224-5055
http://www.labcorpdx.net

Client: PBS Engineering and Environmental
4412 SW Corbett Avenue
Portland, OR 97239

Report Number: 160247R01
Report Date: 01/22/2016

Job Number: **160247**
P.O. No: n/a
Project Name:
Project Number: 23514.018 Phase 0001
Project Notes:

Client Sample ID: **23514.018-0001** **Sample ID:** S1 **Date Analyzed:** 01/22/2016
Client Sample Description: Progressive Analysis Group: 1 **Analyst:** Stephanie Golden

Asbestos Mineral Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite	**Percent Asbestos:**
Layer 01					
fine compact powder, off-white	35 %	-	-	-	**NAD**
Layer 02					
compact chalky material with paper, white	65 %	-	-	-	**NAD**

Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other		Matrix
Layer 01	-	-	-	-	-	-	100 %
Layer 02	2 %	80 %	-	-	-	-	18 %

Client Sample ID: **23514.018-0002** **Sample ID:** S2 **Date Analyzed:** 01/22/2016
Client Sample Description: Progressive Analysis Group: 1 **Analyst:** Stephanie Golden

Asbestos Mineral Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite	**Percent Asbestos:**
Layer 01					
fine compact powder, off-white with paint, brown	95 %	-	-	-	**NAD**
Layer 02					
compact chalky material with paper, white	5 %	-	-	-	**NAD**

Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other		Matrix
Layer 01	-	-	-	-	-	-	100 %
Layer 02	-	50 %	-	-	-	-	50 %

Lab/Cor Portland, Inc.
4321 SW Corbett Ave., Ste A
Portland, OR 97239
Phone: (503) 224-5055
http://www.labcorpdx.net

BULK SAMPLE ASBESTOS ANALYSIS

Asbestos and Environmental Analysis

Job Number: 160247

Report Number: 160247R01
Report Date: 01/22/2016

Client Sample ID: 23514.018-0003 **Sample ID:** S3 **Date Analyzed:** 01/22/2016
Client Sample Description: Progressive Analysis Group: 2 **Analyst:** Stephanie Golden

Asbestos Mineral Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite	Percent Asbestos:
Homogeneous					
thick fibers, tan with coating, white	100 %	-	-	-	**NAD**

Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
	-	98 %	-	-	-	2 %

Client Sample ID: 23514.018-0004 **Sample ID:** S4 **Date Analyzed:** 01/22/2016
Client Sample Description: Progressive Analysis Group: 2 **Analyst:** Stephanie Golden

Asbestos Mineral Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite	Percent Asbestos:
Layer 01					
fibrous tar, black	90 %	-	-	-	**NAD**
Layer 02					
thick fibers, tan with coating, white	10 %	-	-	-	**NAD**

Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
Layer 01	-	65 %	-	-	-	35 %
Layer 02	-	98 %	-	-	-	2 %

Client Sample ID: 23514.018-0005 **Sample ID:** S5 **Date Analyzed:** 01/22/2016
Client Sample Description: Progressive Analysis Group: 2 **Analyst:** Stephanie Golden

Asbestos Mineral Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite	Percent Asbestos:
Layer 01					
fibrous tar, black	95 %	-	-	-	**NAD**
Layer 02					
thick fibers, tan with coating, white	5 %	-	-	-	**NAD**

Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
Layer 01	-	65 %	-	-	-	35 %
Layer 02	-	98 %	-	-	-	2 %

Lab/Cor Portland, Inc.
4321 SW Corbett Ave., Ste A
Portland, OR 97239
Phone: (503) 224-5055
http://www.labcorpdx.net

BULK SAMPLE ASBESTOS ANALYSIS

Asbestos and Environmental Analysis

Job Number: 160247

Report Number: 160247R01
Report Date: 01/22/2016

Client Sample ID: 23514.018-0006 **Sample ID:** S6 **Date Analyzed:** 01/22/2016
Client Sample Description: Progressive Analysis Group: 3 **Analyst:** Stephanie Golden

Asbestos Mineral Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite			Percent Asbestos:
Homogeneous							
thick fibrous tar, black	100 %	-	-	-			**NAD**

Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other		Matrix
	25 %	-	-	-	-	-	75 %

Client Sample ID: 23514.018-0007 **Sample ID:** S7 **Date Analyzed:** 01/22/2016
Client Sample Description: Progressive Analysis Group: 3 **Analyst:** Stephanie Golden

Asbestos Mineral Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite			Percent Asbestos:
Homogeneous							
rocky fibrous tar, black	100 %	-	-	-			**NAD**

Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other		Matrix
	-	-	-	-	-	-	100 %

Client Sample ID: 23514.018-0008 **Sample ID:** S8 **Date Analyzed:** 01/22/2016
Client Sample Description: Progressive Analysis Group: 3 **Analyst:** Stephanie Golden

Asbestos Mineral Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite			Percent Asbestos:
Layer 01							
paint, silver	65 %	-	-	-			**NAD**
Layer 02							
tar, black	35 %	-	-	-			**NAD**

Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other		Matrix
Layer 01	-	-	-	-	-	-	100 %
Layer 02	-	-	-	-	-	-	100 %

Lab/Cor Portland, Inc.
4321 SW Corbett Ave., Ste A
Portland, OR 97239

BULK SAMPLE ASBESTOS ANALYSIS

Asbestos and Environmental Analysis

Phone: (503) 224-5055
http://www.labcorpdx.net

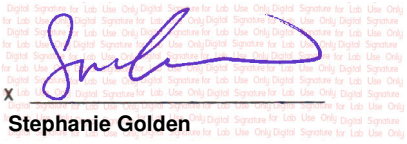
Job Number: **160247**

Report Number: 160247R01
Report Date: 01/22/2016

This laboratory participates in the National Voluntary Laboratory Accreditation Program (NVLAP).
Testing method is per 40 CFR 763 Subpart E, Appendix A, PLM.

Layered samples are considered non-homogeneous."Misc" is miscellaneous. "NAD" is No Asbestos Detected.
Asbestos consists of the following minerals: chrysotile, amosite, crocidolite, tremolite, actinolite, anthophyllite.
Small diameter fibers such as those found in vinyl floor tiles, may not be detected by PLM.
Asbestos detection interferences may result from material binders.
Qualitative and quantitative TEM analysis may be recommended for difficult samples.
Quantitative analysis by PLM point count or TEM is recommended for samples testing at < or = to 1% asbestos.
The following estimate of error for this method by visual estimation of asbestos percent are as follows:
1% asbestos: 0-3% error, 5% asbestos: 1-9% error, 10% asbestos: 5-15% error, 20% asbestos: 10-30% error.
This report pertains only to the samples listed on the report. Report considered valid only when signed by analyst.

Reviewed by:



X _____

Stephanie Golden
Technical Manager

NVLAP LAB CODE 200741-0

16247

PBS | Engineering + Environmental

TRANSMITTAL AND CHAIN OF CUSTODY FOR ASBESTOS BULK SAMPLES

Project No.: 23514.018 Phase 0001

Individuals signing this form warrant that the information provided is correct and complete. The Sender should keep a copy and send the original. The Receiver should complete the form, keep a copy and return the original to the Sender. Receiver shall report damage of package immediately to Sender.

SENDER

Date Sent: January 20, 2016

PBS Engineering and Environmental Inc.
4412 SW Corbett Avenue
Portland, OR 97239
503.248.1939, Fax: 866.727.0140

JAMES BLANCO
Name

12:55

Authorized Signature 1/20/16 **Date**

RECEIVER

Date Received: 1/20/16 1:00pm

Company: Lab Cor
Address: 4321 SW Corbett Ave Ste A
Portland, OR 97239
503-224-5055

STEPHANIE GOLDEN
Name

Authorized Signature 1/20/16 **Date**

Sender's ID No.	Brief Description	Receiver's ID No.
23514.018-0001 }	**Progressive Analysis Group:** 1	
23514.018-0002 }	" 1	
23514.018-0003 }	**Progressive Analysis Group:** 2	
23514.018-0004 }	" 2	
23514.018-0005 }	" 2	
23514.018-0006 }	**Progressive Analysis Group:** 3	
23514.018-0007 }	" 3	
23514.018-0008 }	" 3	

Please analyze the enclosed 8 sample(s) for asbestos content using PLM with dispersion staining. PBS requests prior notification if samples will be disposed.
Request verbal results by: _____ AM/PM _____Date.
Please fax and mail the results to the above address.
TURNAROUND DESIRED: **48 Hour**

SPECIAL INSTRUCTIONS:
Please note the progressive analysis groups defined above.

RD

RJ Lee Group, Inc.
350 Hochberg Road, Monroeville, PA 15146
Tel: (724) 325-1776 | Fax: (724) 733-1799

LABORATORY REPORT

PBS Engineering & Environmental
4412 Southwest Corbett Ave.
Portland, OR 97239

Attn: James Blanco
Phone: 503-248-1939
Fax: 503-248-0223
Email: james.blanco@pbsenv.com

RJ Lee Group Job No.: PA210120160012
Samples Received: January 21, 2016
Report Date: January 22, 2016
Client Project: 23514.018 Phase 0001
Purchase Order No.: N/A
Matrix: Solid
Prep/Analysis: EPA 3050B / EPA 7000B-Paint

Client Sample ID	RJ Lee Group ID	Sampling Date	Analyte	Sample Concentration		Minimum Reporting Limit		Analysis Date	Q
				Weight Percent (%)	Parts per Million (PPM) - mg/kg	Weight Percent (%)	Parts per Million (PPM) - mg/kg		
LB23514.018-1001	PA210120160012-001	NP	Lead	< 0.0093	< 93	0.0093	93	01/22/2016	AN

Comments:

Report Qualifiers (Q):

P *: PA-DEP Accredited (PA DEP Lab ID 02-00396, NELAP)*
N *: NY ELAP Accredited (NY ELAP Lab Code 10884)*
C *: CA ELAP Accredited (CA ELAP Certificate 1970)*
A *: AIHA-LAP, LLC Accredited (Lab ID 100364)*
E = Value above highest calibration standard
J = Value below lowest calibration standard but above MDL (Method Detection Limit)
L = LCS (Laboratory Control Standard)/SRM (Standard Reference Material) recovery outside accepted recovery limits
H = Holding times for preparation or analysis exceeded
B = Analyte detected in the associated Method Blank
S = Spike Recovery outside accepted limits
R = RPD (relative percent difference) outside accepted limits
D = RL (reporting limit verification) outside accepted limits
NP = Not Provided
— : Test (analyte-matrix-preparation-analysis) is performed under RJLG's General Quality System requirements and is not part to any of the above scopes of accredidations

These results are submitted pursuant to RJ Lee Group's current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions. No responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, RJ Lee Group will store the samples for a period of thirty (30) days before discarding. A shipping and handling fee will be assessed for the return of any samples.
This laboratory operates in accord with ISO 17025:2005 guidelines, and holds a limited scope of accreditations under different accrediting agencies; refer to http://www.rjlg.com/about-us/accreditations/ for more information and current status. Unless it is specifically stated otherwise (under the Q column using the appropriate accrediting agency qualifier(s)) the work contained in this report is performed under RJLG's General Quality System requirements and is not part of any scope of accreditations. This report may not be used to claim product endorsement by any laboratory accrediting agency. The results contained in this report relate only to the items tested or to the sample(s) as received by the laboratory. Any reproduction of this document must be in full for the report to be valid.

Unless otherwise noted (either in the comments section of the report and/or with the appropiate qualifiers under the report qualifiers (Q) column) the following apply: (a) Samples were received in good condition, (b) All QC samples are within acceptable established limits, (c) All samples designated as NELAP meet the requirements of the NELAC standard; if not applicable qualifiers will be used to designate the non-compliance and (d) Results have not been blank corrected. Quality Control data is available upon request.

Philip Grindle
Laboratory Supervisor

PBS | Engineering + Environmental

PA2101201600012

TRANSMITTAL AND CHAIN OF CUSTODY FOR LEAD BULK SAMPLES

Project No.: 23514.018 Phase 0001

Individuals signing this form warrant that the information provided is correct and complete. The Sender should keep a copy and send the original. The Receiver should complete the form, keep a copy and return the original to the Sender. Receiver shall report damage of package immediately to Sender.

SENDER

Date Sent: January 20, 2016

PBS Engineering and Environmental Inc.
4412 SW Corbett Avenue
Portland, OR 97239
503.248.1939, Fax: 866.727.0140

JAMES BLANCO
Name

12:50
1/20/16
Authorized Signature **Date**

RECEIVER

Date Received: 01/21/16

Company: R.J. Lee Group
Address: 350 Hochberg Road
Monroeville, PA 15146
724-325-1776

J OAKLEY 10
Name

01/21/16
Authorized Signature **Date**

Sender's ID No.	Brief Description	Receiver's ID No.
LB23514.018-1001		

ANALYSIS REQUESTED:

LEAD:
- [x] Paint
- [ ] Wipe
- [ ] Soil/Misc.
- [ ] Air
- [ ] TCLP

Please analyze the enclosed 1 sample(s) for LEAD content using Atomic Absorption Method. PBS requests prior notification if samples will be disposed.

Please fax and mail the results to the above address.

TURNAROUND DESIRED:

48 Hour

SPECIAL INSTRUCTIONS:

RD

THIS IS TO CERTIFY THAT

RICH A. DUFRESNE

HAS SUCCESSFULLY COMPLETED THE TRAINING COURSE

for

ASBESTOS INSPECTOR / MANAGEMENT PLANNER REFRESHER

In accordance with TSCA Title II, Part 763, Subpart E, Appendix C of 40 CFR

Course Date: 04/02/2015

Course Location: Portland, OR

Certificate: IMR-15-0264A

PBS | Engineering + Environmental

Expiration Date: 04/02/2016

AHERA is the Asbestos Hazard Emergency Response Act enacting Title II of Toxic Substance Control Act (TSCA)

For verification of the authenticity of this certificate contact:
PBS Environmental
4412 SW Corbett Avenue
Portland, OR 97239
(503) 248-1939

David Stover

David Stover, Director of Training

THIS IS TO CERTIFY THAT

DEREK MAY

HAS SUCCESSFULLY COMPLETED THE TRAINING COURSE

for

ASBESTOS INSPECTOR REFRESHER

In accordance with TSCA Title II, Part 763, Subpart E, Appendix C of 40 CFR

Course Date: 04/10/2015

Course Location: Portland, OR

Certificate: IR-15-0009A

PBS | Engineering + Environmental

Expiration Date 04/10/2016

Refresher Training Completed Online

For verification of the authenticity of this certificate contact:
PBS Environmental
4412 SW Corbett Avenue
Portland, OR 97239
(503) 248-1939

David Stover

David Stover, Director of Training