BANDON SCHOOL DISTRICT NO. 54
Regular Meeting of Board of Directors
November 13, 2023
MINUTES

The Board of Directors of Bandon School District No. 54, Coos County, Oregon, met in regular session on Monday, November 13, 2023 in the Bandon High School Library at 6:30 p.m. Due notice was published and a quorum was present.

PRESENT: Board members present were David Hisel, A.J. Kimball, Stan Avery, Angela Cardas and Martha Lane.

ALSO PRESENT: Amanda Steimonts, Business Manager; Becky Armistead, HLMS Principal: Sabrina Belletti, Interim BHS Principal; Jim Wright, Asst. Principal/Athletic Director; Jeffrey Rupert, Director of Transportation; Brent Robertson, Executive Director of Operations; Rowdy Staatz, BHS Student Representative; and Connie Roberts, Board Secretary

ABSENT: Anthony Zunino, Board Member; Greg Looney, Board Member; Shauna Schmerer, Superintendent; Courtney Wehner OC Principal

The meeting was called to order by Chair David Hisel at 6:30 pm.

ADDITIONS/DELETIONS:
A.J. Kimball made a motion to approve the agenda as presented; Angela Cardas seconded and the motion passed unanimously.

PUBLIC INPUT FOR ITEMS ON THE AGENDA: None

APPROVAL OF CONSENT AGENDA:

2.01 Approve Regular Board Meeting Minutes of October 9, 2023

Martha Lane made a motion to approve the consent agenda. AJ Kimball seconded and the motion passed unanimously.

INFORMATION

3.01 Hired: Carly Wright, BHS Varsity Softball Coach
3.02 Hired: Traylyn Arana, HLMS 8th Grade Girls Basketball Coach
3.03 Hired: Priscilla Weston, HLMS 7th Grade Girls Basketball Coach

REPORTS /DISCUSSIONS:
Superintendent **Shauna Schmerer,** Administrators **Sabrina Belletti, Jim Wright, Becky Armistead**, **Courtney Wehner,** Business Manager **Amanda Steimonts,** Director of Operations **Brent Robertson** provided written reports on what is happening in their respective schools or departments, copies of which are attached and made a part of the minutes. On behalf Superintendent **Shauna Schmerer**, **Becky Armistead** went over the SIA Annual report, noting how the funds were spent last year: partially funded certified PE Staff for each school, mental health counselors for each school, a district nurse, a behavior interventionist for the middle school and high school, an academic advisor for the high school, and belonging activities. Board Chair David Hisel added that all board members had reviewed the Division 22 Assurances posted on the district website and that we are in compliance. Business Manager **Amanda Steimonts** shared with the board during her report that GASB-96 is costly and time consuming for small school districts like BSD. Director of Transportation **Jeffery Rupert** reported that all is well in the Transportation Department. In addition to his report, Director of Operations **Brent Robertson** shared that he would be meeting with the City of Bandon about options for the sewer hookup for the new bus barn, and the permitting for it. He also reported on a new system being implemented to report maintenance and technology issues that will keep track of progress, costs and assets. **Rowdy Staatz** was sworn in as the BHS Student Representative. She shared about field trips that had recently taken place: OASC for Leadership and ASB students in Seaside; Les Miserables for Art, TAG and Music students in Eugene; and the ASPIRE field trip hosted by Coos Forest Protective Association for students interested in taking the Wildland Firefighter Type 2 course that is being offered next semester.

ACTION ITEMS

5.01 Bills in the amount of $315,893.59

Angela Cardas made a motion to pay bills in the amount of $315,893.59. AJ Kimball seconded, and the motion passed with four votes. Stan Avery abstained due to a conflict of interest.

5.02 Vote on OSBA Regional Board Candidate Tom Chanez for LPC Position 9

AJ Kimball made a motion to approve voting for OSBA Regional Board Candidate Tom Chanez for LPC Position 9; Stan Avery seconded and the motion passed unanimously.

5.03 Vote on OSBA Resolution 1: Resolution to Amend OSBA's Bylaws Relating to Composition of the Board of Directors

Angela Cardas made a motion to adopt OSBA Resolution 1: Resolution to Amend OSBA's Bylaws Relating to Composition of the Board of Directors; AJ Kimball seconded and the motion passed unanimously.

5.04 Vote on OSBA Resolution 2: Resolution to Amend the OSBA's 2018 Bylaws

Angela Cardas made a motion to adopt OSBA Resolution 2: Resolution to Amend the OSBA's 2018 Bylaws. AJ Kimball seconded and the motion passed unanimously.

5.05 GASB-96 Summary Information

Martha Lane made a motion not to adopt GASB-96. Angela Cardas seconded and the motion passed unanimously.

5.06 Approve High School Baseball Team trip to Kooskia, ID March 21st-23rd

AJ Kimball made a motion to approve the High School Baseball Team trip to Kooskia, ID March 21st-23rd, Stan Avery seconded and the motion passed unanimously.

Public Input for items not on the Agenda

None.

There being no further business for the board, David Hisel made a motion to adjourn the session; AJ Kimball seconded and it passed unanimously. The meeting adjourned at 7:08 pm.

Approved: 1-8-24
Date

By _____
Board Chair

Connie Roberts
Connie Roberts, Board Secretary

Our Stripes Run Deep

Vision for 2023-24 School Year
#StaySalty
Superintendent Report

Happenings:

Enrollment: Is down a bit from last year. Our High School numbers are up, but we continue to lose MS age students.

SIA Annual Report: See attachment. SIA (Student Investment Account) The district was given $559,927 and with input from community, staff, and students the monies were allocated to pay for the following for the 2022-23 school year:

1. 3.56 FTE in P.E certified staff and benefits This allowed PE to happen in each building.
2. 3 Mental Health Counselors (other funds were also used to cover this cost). This has been huge as there are so many needs our students have with mental health and with trauma. This also gives students access to talk to a trained professional in each building.
3. 1 Nurse for the District
4. 1 Behavior Interventionist (salary and benefits) to support the HS and MS with attendance and behaviors.
5. 1 Academic Advisor at the HS to support students with credit recovery, scholarships, graduation.....
6. Belonging activities (Shirts for staff and students, welcome meals for staff,....)

Division 22.
Email was sent on November 1, 2023 to report that we were compliant in all areas.

Superintendent:Evaluation Standards of Focus and GOALS:

Standard 1: Visionary District Leadership:

1) Leads a collaborative process with the board to design (or reaffirm) the district mission and vision that reflects a core set of values and priorities.
2) Leads the diverse stakeholder involvement in the development (or revision) of the district's continuous improvement plans based upon the district's mission and vision.
3) Implements the district's continuous improvement plan and communicates its progress.
   GOAL: To enhance a more rigorous academic system, that will continue to embed positive relationships with staff and students and to begin to build a capacity for a variety of learning opportunities for staff and students to excel. Understand that rigor and grit can't happen overnight but beginning to build an improved system.

Standard 5: Communication and Community Relations:

1. Develops and implements effective collaborative systems that engage multiple and diverse stakeholder groups.
2. Engages and effectively communicates with diverse families, community partners and other constituencies to strengthen student learning.

3. Cultivates relationships and partnerships with members of the business, civic and local government in support of their advocacy for district, school and community needs.
4. Goes beyond the district and local community to advocate for students at the county, regional and/or state level.
   GOAL: To engage community, families and other stakeholders through positive relationships to gather input to better create opportunities for students.

Standard 6: Effective Organizational Management:

1. Implements equitable strategies, processes and systems to recruit, hire, develop and retain high-performing personnel who demonstrate a shared commitment to student success.
2. Establishes productive relationships with associations while managing labor relations and contracts effectively.
3. Creates and maintains organizational structures that maximize the district's capacity to positively impact student learning.
4. Creates a comprehensive system of professional development for all staff to continuously improve and increase their leadership capacity.
   GOAL: Begin to create structures within the district to align curriculum and opportunities to positively impact student learning.

Under each standard, I will provide artifacts to show how I met the descriptors of that standard. I added an additional goal under each standard to reflect the direction the District would like to be going to best serve students and staff.

Out of District: Remember that Courtney, Mariah and I will be out of the District and miss the board meeting on 11/13/23. We will be at the 504 Conference that ODE recommended that we attend. Nov 11th-15th.

I would like to start having lunch or meeting with each one of you at least once a month so that we can continue to build a relationship. Please let me know if this is possible and if Connie can begin to schedule these.

We also will be posting dates for Soup with the Superintendent for evenings and Coffee Chat mornings. These will have agendas for community and stakeholders to attend and get informed on our District Road map and any happenings. This will also serve as a way to have the space for opening questions or concerns they might have. You are welcome to join me at any date and times. The Principals and Directors will also be attending some of these when the agenda may pertain to their departments/buildings/students. Remember we can't have four or more of you at any given meeting as it would be considered a meeting. Thank you for your support.

Have a great Thanksgiving :)

Bandon SIA Annual Report ODE Template

OREGON DEPARTMENT OF EDUCATION
Oregon achieves . . . together!

Presented to school board and community 11/13/2023

Required Question	Responses
1. What changes in behavior, actions, policies or practices have you observed related to SIA implementation during the 2021-22 school year? How do you see these changes contributing to the goals and outcomes in your SIA plan? *(500 words or less)*	Through having a nurse and three mental health therapists/counselors in the district we had notice a decrease in health issues like eg. self-harming, suicide, peer relations, trauma. With the BI our discipline referrals have decreased. Adding additional PE at the middle school has helped with wellness and behavior.
2. What barriers or challenges to SIA implementation have you experienced that are helpful for your community and/or state leaders to be aware of? What adjustments, if any, did you make to your SIA plan as a result of these challenges? *(500 words or less)*	Lack of community engagement. No matter what ways we have tried the lack of people showing up (in any format) is a barrier.
3. SIA implementation includes ongoing engagement with all students, focal students, families, staff, and community partners. How have relationships with or between those groups changed and/or been maintained throughout this academic year? Consider the Community Engagement Toolkit and where your efforts might land on the Levels of Community Engagement spectrum as you complete your response. *(500 words or less)*	Even with using the toolkit, help from the ESD and many varieties of engagement opportunities, this continues to be a barrier. Community engagement is the struggle. Continuous engagement with staff and students are successful and frequently throughout the year.
4. As you think about what guided your choices and prioritization efforts in this year of SIA implementation, what stands out? How will what you've learned this year impact future SIA implementation efforts? *(500 words or less)*	The district will continue to reach out community. The District will continue to continue the layers of wellness and belonging for staff and students.

Significance of Progress Marker Changes	Low	Medium	High	Firmly in place	No Observable Change
Expect to See					
Every school recognizes and honors the strengths that educators, students and their families bring to the educational experience through active and consistent community engagement.				X	
An equity lens is in place, adopted, and woven through all policies, procedures and practices.				X	
Data teams are forming, and they frequently review data that inform a school's decision-making processes, including barriers to engagement and attendance.			X		

Significance of Progress Marker Changes	Low	Medium	High	Firmly in place	No Observable Change
Schools and districts have an inventory of literacy assessments, tools, and curriculum being used.				X	
Increased communication exists between educators and families about student growth, literacy trajectory, areas for improvement, and individualized supports are provided.				X	
Schools and districts co-develop and communicate a shared understanding (among educators, students, families and community members) of what it means to be on track by the end of the 9th Grade.				X	

Significance of Progress Marker Changes	Low	Medium	High	Firmly in place	No Observable Change
Like to See					
Every school has effective foundational learning practices in place including safe, welcoming classroom environments, social-emotional learning, trauma-informed practices, behavioral supports, and culturally sustaining practices.		X			
Educators use student-centered approaches to foster student voice, reinforce student engagement and motivation, and increase academic achievement.					X
Dedicated time for professional learning and evaluation tools are in place to see if policies/procedures are adequately meeting the needs of students.				X	
Comprehensive literacy strategies, including professional development plans for educators, are documented and communicated to staff, students (developmentally appropriate), and families.					X

Significance of Progress Marker Changes	Low	Medium	High	Firmly in place	No Observable Change
An audit of 9th grade course scheduling is conducted, accounting for student core and support course placement, and disaggregated by student focal groups.					X
Schools strengthen partnerships with active community organizations and partners, including local public health, businesses, faith communities, tribal leaders, and others.					X

Significance of Progress Marker Changes	Low	Medium	High	Firmly in place	No Observable Change
Love to See					
Educators have a balanced assessment system in place to help them identify student learning in the areas of reading, writing, research, speaking, and listening that are clearly connected to Oregon's English Language Arts and Literacy Standards.					X
School districts have a process to identify and analyze the barriers that disconnect students from their educational goals and/or impede students from graduating on time.					X
Students have avenues to share and communicate their dreams and aspirations at all levels, including a clear picture of the contributions and next steps they plan to take after they graduate from high school.					X

Business Manager Report

11/13/23

Included:

- Expenditure & Revenue Reports for October
- Projected Cash Flow report for October
- Summary of GASB 96

Highlights:

- We are in the final stages of the audit. We have our findings and have worked with the Auditor to create a Plan of Action. This document will be submitted to the Office of the Secretary of State. When the audit is final, there will be a presentation to the Board.

- GASB 96 Info: GASB 96 is a statement by the Governmental Accounting Standards Board that provides guidance on accounting and financial reporting best practices for SBITAs (Subscription-Based Information Technology Arrangements), specifically when it comes to contracts with governments and government entities. See included summary for more information. Per our auditor, the Board can decide to not adopt GASB 96 just as was done with GASB 87 at the August 2022 Board Meeting.

Bandon School District #54

Revenue Update 10/31/23

	FUND 100 - GENERAL FUND	FUND 200 - GRANTS/DONATIONS	FUND 300 - DEBT SERVICE	FUND 400 - CAPITAL PROJECTS
FY 2023/2024 ADOPTED BUDGET	$ 14,783,824	$ 4,183,718	$ 440,512	$ 3,557,927.81
Year To Date RECEIVED as of 10/31/23	$ 6,920,139	$ 614,704	$ 72,652	$ 3,691,452.73
Remaining Revenue to Collect as of 10/31/23	$ 7,863,685	$ 3,569,014	$ 367,860	$ (133,524.92)
PERCENT REMAINING	53%	85%	84%	-4%
PERCENT COLLECTED	47%	15%	16%	104%

Bandon School District #54
2023/2024 Revenue as of10/31/2023

	FUND 100 - GENERAL FUND	FUND 200 - GRANTS/DONATIONS	FUND 300 - DEBT SERVICE	FUND 400 - CAPITAL PROJECTS
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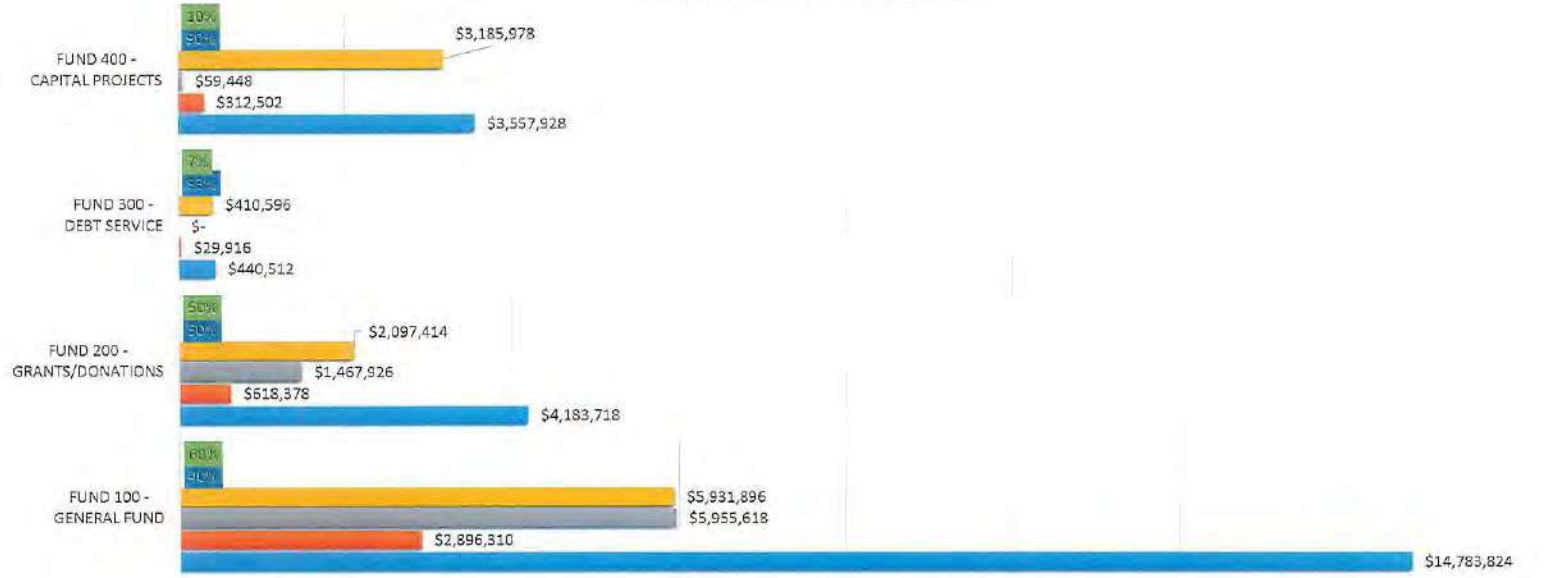
PERCENT COLLECTED · PERCENT REMAINING · Remaining Revenue to Collect as of 10/31/23 · Year To Date RECEIVED as of 10/31/23 · FY 2023/2024 ADOPTED BUDGET

EXPENDITURES	FUND 100 - GENERAL FUND	FUND 200 - GRANTS/DONATIONS	FUND 300 - DEBT SERVICE	FUND 400 - CAPITAL PROJECTS
FY 2023/2024 ADOPTED BUDGET	$ 14,783,824	$ 4,183,718	$ 440,512	$ 3,557,928
YTD - EXPENDED As of 10/31/23	$ 2,896,310	$ 618,378	$ 29,916	$ 312,502
ENCUMBERED As of 10/31/23	$ 5,955,618	$ 1,467,926	$ -	$ 59,448
BALANCE REMAINING As of 10/31/23	$ 5,931,896	$ 2,097,414	$ 410,596	$ 3,185,978
PERCENT REMAINING	40%	50%	93%	90%
PERCENT EXPENDED	60%	50%	7%	10%

Bandon School District #54
2023/2024 Expenditures as of 10/31/2023



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PERCENT EXPENDED · PERCENT REMAINING · BALANCE REMAINING As of 10/31/23 · ENCUMBERED As of 10/31/23 · YTD - EXPENDED As of 10/31/23 · FY 2023/2024 ADOPTED BUDGET

Ocean Crest Board Report
November 2023

November Events:

- **Fri. the 3rd -** Half Day of School - Teacher Report Card Day
- **Mon. the 6th -** Dental Screening
- **Weds. the 8th -** Evening Conferences
- **Thurs. the 9th -** Morning Conferences
- **Fri. the 10th -** NO SCHOOL for Veterans Day
- **Mon. the 13th -** Jog a Thon money DUE by today.
- **Thurs. the 16th -** Picture Retakes
- **Mon. the 20th to Fri. the 24th -** NO SCHOOL for Thanksgiving Break

Professional Development:

- **Character Strong** Professional Development: High Impact-Low Amount of Time Classroom Practices for all staff

What's New at the OC?:

- At this time, we have collected $11,000 from the Jog a Thon to go towards our new playground set.
- Monster Mash had 400 people in attendance.
- Our new basketball hoops will be installed this month!

HLMS School Board Report – November 2023

November/December Events:

- 11/7-12/8 Leadership sponsored Door Decorating Contest in Advisory
- 11/8 PM Conferences
- 11/9 NO SCHOOL - AM Conferences
- 11/10 NO SCHOOL - Veteran's Day
- 11/16 HLMS Picture Retakes
- 11/20-24 NO SCHOOL - THANKSGIVING HOLIDAY
- 12/6-12/8 COSA Special Education Law Conference
- 12/11-15 Winter Spirit Week
- 12/16-1/1 NO SCHOOL - WINTER HOLIDAY

HLMS Update:

- **.Classified Professional Development (CPI-VI)**: Educational Assistants from HLMS and BHS met again on Friday, November 3 for the second training session in the Crisis Prevention Institute's Verbal Interventions curriculum.
- **End of First Quarter Update**: HLMS is coming together as a staff to use data to support our decision making.
    - **STUDENT SUCCESS**: Targeted parent/teacher conferences will be offered for 7th/8th grade students with failing marks.
    - **BEHAVIOR SUPPORT**: We are starting up our Behavior Team using data collected through our Reset Room. This team will include the Principal, Behavior Specialist, Student Support Specialist, and selected Certified Teachers based on the grade levels demonstrating the need for behavior support. This quarter we have noticed a bigger need for behavior support at the 5th/6th grade, so we will have one teacher representing each grade level on the team. I think this also supports the fact that as we continue our work with students, we are seeing the positive impact as our 7th/8th grade students are demonstrating more expected behaviors and are taking responsibility for their behavior choices that do not meet our expectations. THANK YOU to Mariah McMonagle and Tina Wiant for their diligent work on creating a culture of respect and responsibility at HLMS!
    - **STAFF SUCCESS**: We are also collaborating as a staff on the efficacy and impact of the new "principal paradigm" that is allowing me 2 full days in the classroom each week. We are adjusting our implementation to meet the needs of students *and* teachers. I am grateful

Special Education Update:

- **Special Education Professional Development** I will be attending the COSA SpEd Law Conference in December to glean state specific information to build upon the learning from the national PNWI SpEd Law Conference that I attended in October.
- **General Supervision Cyclical Monitoring - Cohort B** Our Special Education Team met on October 13 to prepare for the required file review associated with general supervision cyclical monitoring. The team will meet again on November 17 to conduct the file review and will work to remedy any issues that are discovered, although in my experience we have soared through the file review process with no issues indicated! This will be a full day of work with our full Special Education team as we will be reviewing 20 files using 3 protocols for each file! BIG SHOUT OUT to our Special Education team for doing the hard work so efficiently and compliantly that we have a longstanding history of full compliance without remediation needs. I am anticipating another successful year of file reviews!

Board Report- November 2023

November/December Events:

- **11/1 ASPIRE field trip to Winchester Trails- Coos Forest Protective Association**
- **11/2 Field Trip to Les Mis Play and U of O campus tour**
- **11-4 - 11/6 OASC Leadership Conference in Seaside**
- **11/7 & 11/14 Biology Field Trip to Coos Bay Fish Hatchery**
- **11/8 Evening Parent-teacher conferences**
- **11/9 Morning Parent-teacher conferences**
- **11/20-11/24 - No School Thanksgiving Break**

PSAT's

- A week before taking the PSAT students conducted a Digital Readiness Check that allowed them to set up their exam profile and take a short practice test for both the reading/writing and math sections. This helped students become comfortable with the testing format/layout & familiarize themselves with the resources & tools that were accessible to them during the test. 30 students took the PSAT--17 Sophomores & 13 Juniors. No problems were assessed during the test and all students were able to complete the test with their answers submitted.

Homecoming

- Homecoming was a successful week of events and activities for the students. The admin and staff all pitched in to help supervise and support the students as they decorated their halls, dressed up for spirit week, competed in class competitions during break and lunch, played in Power Tuff and Powder Puff games, and enjoyed a bonfire and bbq. We had our homecoming dance at HLMS on the stage this year to help with ventilation and space. A big thank you to Mr. Haan, the event chaperones/supervisors, and the leadership team for all their hard work in planning out this week and cleaning up after the dance and other events.

Community Arts Project

- Ms. Ells has been taking her students in Community Arts on walks to the Community Gardens since September working on painting a mural on the fence that borders the property. The students have enjoyed having a change of scenery and having their artwork displayed for the whole community to enjoy.

Interact Club

- The Interact Club partners with our local Rotary and works to do service in our community. Their motto is "Service above Self." The first official meeting of this school year will be on Wednesday, November 1st. Students who are interested in joining this club will sign up with Ms. Hawthorne.

Board Report- November 2023

Fall Athletics BHS Recent Results

- Football Currently 5-3 State Results :
- Cross Country State Results :
- Volleyball Currently 16-10 State Results

Fall Athletics HLMS

- We have ended a very successful fall season for our Middle School.

Winter athletics HLMS

- Girls Basketball is the first winter sport to start for Middle School.
- First competition is Nov. 7th

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Important Information:

- Please check OSAA for the most updated information as contests will be changed regularly due to the lack of officials, schools with transportation issues, weather and air quality issues that are arising.- https://www.osaa.org/schools/18
- Check Athletic.net to keep up with the cross country schedule and results

Open Coaching Positions:

- HLMS 7th Grade Girls Basketball- 2023/2024 School Year - Priscilla Weston
- HLMS 8th Grade Girls Basketball- 2023/2024 School Year - Traylyn Arana
- Head Softball Coach - Carly Wright

Bandon School District 54

Code:	BCBA
Adopted:	11/13/89
Revised/Readopted:	3/14/22
Orig. Code:	BCBA

Student Representative to the Board

The Board has provided for a formalized ongoing method of communication with district students by establishing a position of student representative to the Board.

The student representative shall receive notice of meetings, the agenda and the appropriate agenda materials; be provided a place at the Board table; will not attend executive sessions unless asked; and shall have the same privileges of discussion as apply to Board members. The student representative shall not be a voting member of the Board.

The Board requests the high school student council to select and confirm a representative of the high school student body to sit as a student representative on the Bandon School District #54 Board. The manner of selection is to be determined by the student council.

The student representative shall be installed on the Board through the following Oath of Office:

> "I _____, will support the Constitution and the laws of the United States, the state of Oregon and the laws thereof, and the policies of the Bandon School District, and will discharge the duties of Student Representative to the Bandon School District Board to the best of my ability."

END OF POLICY

Legal Reference(s):

ORS 332.107

OCT. Board report

- Ocean Crest Basketball hoops being installed tentatively NOV 15-17
- Starting contract with EIS (Environmental inspection services) to do Asbestos checks every 6 months and a in depth check every 3 years in addition to helping with grants and associated paperwork
- Got up to speed on Bus garage project. New drawings from ZCS coming in the next week or so.
- Got up to speed on CTE building project. Signed/will be signing contract with HGE Architects to evaluate old structure and give recommendations as to what is most cost effective. Rehab old building or build new.
- Making headway on girls' softball pole building. Waiting for bids to come in.
- Doing/did interviews for the custodial position open at the high school gym.
- Working with comfort flow on HVAC in high school gym. Replacing louvers on air intake and finishing the controls and training us on them 11/8.
- Got some movement on the High school bathrooms. Floors are patched, plumber coming to finish up his part 11/6 – 11/9, then sheetrock and tile and setting fixtures. Pushing for the end of Nov to be done.
- Got bids to rework and add to high school metal shop electrical. This is related to the fire inspection that was done this summer.
- Got bids for Harbor Lights new Home EC room, waiting for 1 more to get our 3 bids.
- A plethora of other minor maintenance fixes between everything.

BANDON SCHOOL DISTRICT NEW BUS BARN

BID SET

BANDON SCHOOL DISTRICT #54
455 9TH STREET SW
BANDON, OR 97411

PROJECT NOTES

1. 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.
2. 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.
3. BEFORE STARTING A SECTION OF WORK THE CONTRACTOR SHALL CAREFULLY EXAMINE PREPARATORY WORK THAT HAS BEEN EXECUTED, ENSURE THAT WORK AND ADJACENT RELATED WORK WILL FINISH TO PROPER PLANES AND LEVELS.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL MATERIALS AND WORKMANSHIP IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES.
5. CONTRACTOR IS RESPONSIBLE FOR CHECKING ALL CONTRACT DOCUMENTS, FIELD CONDITIONS, AND DIMENSIONS FOR ACCURACY AND CONFIRMING THAT WORK IS BUILDABLE AS SHOWN BEFORE PROCEEDING WITH THE CONSTRUCTION. IF THERE ARE ANY QUESTIONS, THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM THE ARCHITECT BEFORE PROCEEDING WITH THE WORK IN QUESTION OR RELATE WORK.
6. THE CONTRACTOR SHALL NOT SCALE DRAWINGS. WRITTEN DIMENSIONS SHALL ALWAYS GOVERN. CONTRACTOR REQUIRING DIMENSIONS NOT NOTED SHALL ALWAYS CONTACT THE PROJECT TEAM FOR SUCH INFORMATION PRIOR TO PRECEDING WITH WORK RELATED TO THOSE DIMENSIONS.
7. THE CONTRACTOR SHALL PROTECT, PATCH, AND REPAIR TO MATCH ANY WALLS, FLOORS, CEILINGS, AND/OR OTHER SURFACES WHICH MAY BE DISTURBED DURING THE INSTALLATION OF MECHANICAL, ELECTRICAL, PLUMBING OR OTHER OWNER WORK.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED FOR PROPER INSTALLATION OF MATERIAL AND EQUIPMENT. PROVIDE DEMOLITION AND PATCH/REPAIR IN ALL AREAS (WHETHER SPECIFICALLY SHOWN OR NOT) TO ACCOMMODATE ALL WORK.
9. IF THE CONTRACTOR ENCOUNTERS A CONDITION NOT COVERED IN THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL NOTIFY AND RESOLVE THE ISSUE WITH THE PROJECT TEAM BEFORE COMMENCING ANY WORK.
10. ALL PERMITS ASSOCIATED WITH THE PROJECT SHALL BE PAID AND OBTAINED BY THE CONTRACTOR.
11. DIMENSIONS ARE TO FACE OF FRAMING UNLESS OTHERWISE NOTED.
12. GENERAL CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR JOB CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF PERSONS AND PROPERTY AND COMPLIANCE WITH OSHA SAFETY STANDARDS.
13. WHEN PORTIONS OF THE WORK ARE PERFORMED BY THE CONTRACTOR ON A DESIGN-BUILD BASIS, THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE DESIGN OF SUCH SYSTEMS AND FOR THE SECURING OF ALL ASSOCIATED PERMITS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL DESIGN BUILD SUB CONTRACTORS.
14. CONTRACTOR SHALL AVOID INTERFERENCE AND CONFLICT WITH THE BUILDING'S NORMAL OPERATION. CONTRACTOR TO COMPLY WITH THE BUILDING RULES AND REGULATIONS REGARDING SCHEDULING AND USE OF ELEVATORS AND LOADING DOCKS FOR DELIVERY AND HANDLING OF MATERIALS, EQUIPMENT, AND DEBRIS.
15. ALL KEY NOTES INDICATE NEW ITEMS TYPICALLY UNLESS NOTED OTHERWISE.

ABBREVIATIONS

A.B.	ANCHOR BOLT
A.C.	ASPHALT CONCRETE
A.C.B.	ACOUSTICAL BOARD
ACI	AMERICAN CONCRETE INSTITUTE
A.C.P.	ACOUSTICAL PANEL
A.C.T.	ACOUSTICAL CEILING TILE
ADD'L.	ADDITIONAL
A.D.	AREA DRAIN
ADJ.	ADJUSTABLE
A.F.	ACCESS FLOORING
AGGR.	AGGREGATE
A.F.F.	ABOVE FINISHED FLOOR
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ARCH.	ARCHITECT
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWS	AMERICAN WELDING SOCIETY
BD.	BOARD
BITUM.	BITUMINOUS
BKP.	BACKING PLATE
BM.	BEAM
BOT./B.O.	BOTTOM/BOTTOM OF
C.B.	CATCH BASIN
CEM.	CEMENT
CER.	CERAMIC
C.G.	CORNER GUARD
C.I.	CAST IRON
C.J.	CONTROL JOINT
CJP	COMPLETE JOINT PENETRATION
CL ℄	CENTERLINE
CLG.	CEILING
CLKG.	CAULKING
CLO.	CLOSET
CLR.	CLEAR
CMU	CONCRETE MASONRY UNIT
C.O.	CASED OPENING
CONC.	CONCRETE
CONN.	CONNECTION
CONST.	CONSTRUCTION
CORR.	CORRIDOR
CPT.	CARPET
CTSK.	COUNTERSUNK
C.T.	CERAMIC TILE
CTR.	CENTER
DBA	DEFORMED BAR ANCHOR
D.F.	DRINKING FOUNTAIN
D.L.	DEAD LOAD
DET.	DETAIL
DIA., Ø	DIAMETER
DISP.	DISPENSER
DR.	DOOR
DWG.	DRAWING
DWR.	DRAWER
D.S.	DOWNSPOUT
D.S.P.	DRY STANDPIPE
(E)	EXISTING
E.J.	EXPANSION JOINT
ELEC.	ELECTRICAL
EL.	ELEVATION
EQ.	EQUAL
EXPO.	EXPOSED
EXP.	EXPANSION
EXT.	EXTERIOR
F.A.	FIRE ALARM
FB.	FLAT BAR
F.D.	FLOOR DRAIN
FDN.	FOUNDATION
FE	FIRE EXTINGUISHER
F.E.F.	FACE OF EXISTING FINISH
F.H.	FLAT HEAD
FIN.	FINISH
FLR.	FLOOR
F.O.C.	FACE OF CONCRETE
F.O.F.	FACE OF FINISH
F.O.S.	FACE OF STUDS
F.S.	FULL SIZE
FT.	FOOT
FTG.	FOOTING
FUT.	FUTURE

Ga.	GAUGE
GALV.	GALVANIZED
GL.	GRID LINE
GLB	GLULAM BEAM
G.B.	GRAB BAR
GND.	GROUND
GYP.	GYPSUM
G.W.B.	GYPSUM WALL BOARD
H.B.	HOSE BIBB
H.C.	HOLLOW CORE
H.M.	HOLLOW METAL
HORIZ.	HORIZONTAL
HSS	HOLLOW STRUCTURAL STEEL
IBC	INTERNATIONAL BUILDING CODE
I.D.	INSIDE DIAMETER
IN.	INCH
INT.	INTERIOR
J.B.	JUNCTION BOX
J.O.H.	JAMB OPENING HEIGHT
J.O.W.	JAMB WIDTH
JT.	JOINT
K	KIPS
KSF	KIPS PER SQUARE FOOT
KSI	KIPS PER SQUARE INCH
LAM.	LAMINATE
LB.	POUND
L.L.	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LOC.	LOCATION
LONG.	LONGITUDINAL
L.P.	LOW POINT
LVF	LOW VELOCITY FASTENER
MAX.	MAXIMUM
MBMA	METAL BUILDING MANUFACTURERS ASSOCIATION
M.C.	MEDICINE CABINET
M.D.F.	MEDIUM DENSITY FIBERBOARD
M.D.O.	MEDIUM DENSITY OVERLAY
MECH.	MECHANICAL
MEMB.	MEMBRANE
MFR.	MANUFACTURER
MH.	MANHOLE
MIN.	MINIMUM
MIR.	MIRROR
MISC.	MISCELLANEOUS
M.O.	MASONRY OPENING
M.P.	MIDPOINT
MPH	MILES PER HOUR
M.S.	MACHINE SCREW
MT	MAGNETIC PARTICLE TESTING
MTD.	MOUNTED
MUL.	MULLION
(N)	NEW
N.I.C.	NOT IN CONTRACT
NOM.	NOMINAL
N.T.S.	NOT TO SCALE
OBS.	OBSCURE
O.C.	ON CENTER
O.C.D.	OVERHEAD COILING DOOR
O.C.G.	OVERHEAD COILING GRILLE
O.D.	OUTSIDE DIAMETER
O.F.C.I.	OWNER FURNISHED CONTRACTOR INSTALLED
O.F.D.	OVERFLOW DRAIN
O.F.O.I.	OWNER FURNISHED OWNER INSTALLED
OH.	OPPOSITE HAND
OPP.	OPPOSITE
OWJ	OPEN WEB JOIST

PAF	POWDER ACTUATED FASTENER
P/C	PRECAST (CONCRETE)
PCF	POUNDS PER CUBIC FOOT
PEMB	PRE-ENGINEERED METAL BUILDING
PL	PLATE
PLAM.	PLASTIC LAMINATE
PLAS.	PLASTER
P.C.P.	PORTLAND CEMENT PLASTER
PJP	PARTIAL JOINT PENETRATION
PR.	PAIR
PSF	POUNDS PER FOOT
PSI	POUNDS PER INCH
P/T	POST-TENSIONED
P.T.	PRESSURE TREATED
PTN.	PARTITION
(R)	REMOVE
R., RAD.	RADIUS
R.C.P.	REFLECTED CEILING PLAN
R.D.	ROOF DRAIN
REF.	REFERENCE
REINF.	REINFORCING
REQ'D.	REQUIRED
RL.	RELOCATE
R.O.	ROUGH OPENING
RWD.	REDWOOD
REV.	REVERSED
S.C.	SOLID CORE or SLIP CRITICAL
S.C.D.	SEE CIVIL DRAWINGS
SCHED.	SCHEDULE
SHR.	SHOWER
SIM.	SIMILAR
S.J.	SCORE JOINT
S.L.D.	SEE LANDSCAPING DRAWINGS
SLRS	SEISMIC LOAD RESISTING SYSTEM
S.M.	SHEET METAL
S.M.D.	SEE MECHANICAL DRAWINGS
S.O.G.	SLAB ON GRADE
SPEC.	SPECIFICATION
SQ.	SQUARE
S.S.D.	SEE STRUCTURAL DRAWINGS
S.S.	STAINLESS STEEL
SSMA	STEEL STUD MANUFACTURERS ASSOCIATION
STD.	STANDARD
STRUCT.	STRUCTURAL
S.T.S.	SELF TAPPING SCREW
SUSP.	SUSPENDED
SYM.	SYMMETRICAL
THRU	THROUGH
TYP.	TYPICAL
TRD.	TREAD
T.B.	TOWEL BAR
T.C.	TOP OF CURB
T&G	TONGUE AND GROOVE
THK.	THICK
TJ	TRUSS JOIST
T.P.	TOP OF PAVEMENT
TRANS.	TRANSVERSE
T.W.	TOP OF WALL
U.N.O.	UNLESS NOTED OTHERWISE
U.T.	ULTRASONIC TESTING
VERT.	VERTICAL
V.I.F.	VERIFY IN FIELD
V.T.R.	VENT THROUGH ROOF
w/	WITH
w/o	WITHOUT
W.C.	WATER CLOSET
WF	WIDE FLANGE
W.O.	WINDOW OPENING
W.P.	WORK POINT

PROJECT NARRATIVE

THE PROJECT CONSISTS OF DEMOLISHING THE EXISTING BUS BARN FOR THE BANDON SCHOOL DISTRICT AND CONSTRUCTING A NEW 80'x100' PRE-ENGINEERED METAL BUILDING (PEMB) IN ITS PLACE. INCLUDED IN THE PROJECT SCOPE IS SITE WORK, INCLUDING A NEW ACCESSIBLE PARKING STALL, AS NEEDED TO CONSTRUCT THE NEW REPLACEMENT BUILDING PER CIVIL.

ARCHITECTURAL SCOPE

NEW 80'x100' PRE-ENGINEERED METAL BUILDING (PEMB) WITH OFFICE SPACES AND BUS STORAGE PER PLANS

CIVIL SCOPE

THE PROPOSED SCOPE OF WORK INCLUDES DEMOLITION OF THE EXISTING BUS BARN, SITE GRADING, PAVING, STORMWATER CONVEYANCE FACILITIES, FENCING, AND UTILITY IMPROVEMENTS. PROPOSED UTILITY IMPROVEMENTS CONSIST OF UNDERGROUND POWER, PRIVATE WATER SERVICE EXTENSION, AND A PRIVATE SANITARY SEWER GRINDER PUMP.

PROJECT TEAM

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SHEET INDEX

-GENERAL-
G0.00 COVER SHEET
G1.00 CODE PLAN
G2.00 TYPICAL ADA STANDARDS
G2.10 TYPICAL ADA STANDARDS

-CIVIL-
C0.00 CIVIL COVER SHEET
C0.01 GENERAL CIVIL NOTES
C0.02 EROSION AND SEDIMENT CONTROL NOTES
C1.00 EXISTING CONDITIONS, DEMOLITION, AND EROSION AND SEDIMENT CONTROL PLAN
C2.00 CIVIL SITE, FENCING, STRIPING, AND SIGNAGE PLAN
C3.00 GRADING, DRAINAGE, AND UTILITY PLAN
C4.00 PRIVATE CIVIL DETAILS
C5.00 AGENCY STANDARD DETAILS

-ARCHITECTURAL-
A0.10 ASSEMBLIES
A0.20 DOOR & WINDOW SCHEDULES
A0.30 FINISH SCHEDULES
A1.10 FLOOR PLAN
A1.20 ROOF PLAN
A2.10 REFLECTED CEILING PLAN
A4.00 EXTERIOR ELEVATIONS
A5.00 BUILDING SECTIONS
A5.10 WALL SECTIONS
A7.00 ENLARGED PLANS & INTERIOR ELEVATIONS
A9.00 DETAILS
A9.10 DETAILS
AS.10 SPECIFICATIONS
AS.11 SPECIFICATIONS
AS.12 SPECIFICATIONS
AS.13 SPECIFICATIONS

DESIGN / BUILD SCOPE

MEP TO BE DESIGN BUILD BY THE G.C. AND SUBCONTRACTORS. G.C. AND SUBCONTRACTORS TO REVIEW PLANS AND PROVIDE CODE REQUIRED MEP DESIGN IN COORDINATION WITH THE ARCHITECTURAL PLANS. NOTIFY ARCHITECT IF FURTHER MODIFICATIONS ARE REQUIRED.

MECHANICAL:
1. DESIGN AND INSTALLATION OF HVAC SYSTEM
2. DESIGN AND INSTALLATION OF VENTILATION AND EXHAUST SYSTEM

PLUMBING:
1. INSTALLATION OF PLUMBING FIXTURES, SUPPLY LINES AND SEWER
2. INSTALLATION OF HOSE BIBS

ELECTRICAL:
1. COORDINATE ALL WORK WITH MECHANICAL AS REQUIRED FOR NEW HVAC EQUIPMENT
2. INSTALLATION OF LIGHTING FIXTURES
3. REMOVAL OF LIGHT AND POWER POLES OUTSIDE OF BUILDING PER CIVIL
4. BURYING OF POWER BELOW GROUND, COORDINATE WITH CIVIL
5. PROVIDE POWER AS REQUIRED TO OPERATE ANY SHOP EQUIPMENT
6. INSTALLATION OF ELECTRICAL EQUIPMENT FOR SOLAR READY REQUIREMENTS

VICINITY MAP

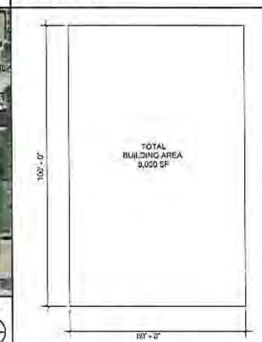
DEFERRED SUBMITTALS

ZCS SHALL PERFORM GENERAL REVIEW OF ANY DEFERRED SUBMITTAL DESIGNS PRIOR TO SUBMITTING TO THE AHJ AND PRIOR TO CONSTRUCTION IMPLEMENTATION FOR GENERAL CONFORMANCE TO THE DESIGN INTENT. DEFERRED SUBMITTAL ITEMS SHALL NOT BE SPECIALLY FABRICATED OR INSTALLED UNTIL APPROVED BY THE AHJ AND ZCS.

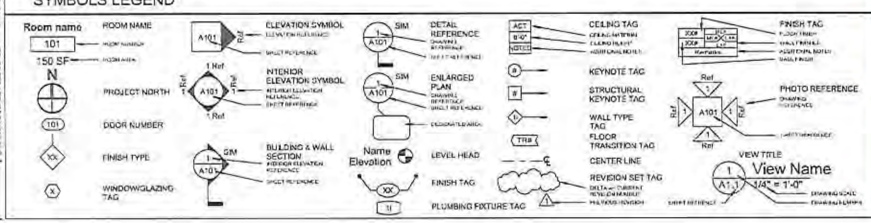
1. ELECTRICAL, INCLUDING COMCHECK COMPLIANCE FORMS
2. MECHANICAL, INCLUDING COMCHECK COMPLIANCE FORMS
3. PLUMBING

AERIAL PHOTO

AREA PLAN



SYMBOLS LEGEND



ZCS ENGINEERING ARCHITECTURE
524 Main Street, Suite 2, Oregon City, Oregon 97045 | 503-659-2205

BANDON SCHOOL DISTRICT #54
455 9TH STREET SW
BANDON, OR 97411

BANDON SCHOOL DISTRICT NEW BUS BARN

BANDON SCHOOL DISTRICT

PRELIMINARY NOT FOR CONSTRUCTION

Δ	DATE:	Description

PROJECT NO.	G-1533-22
DRAWN:	CJS
CHECKED:	DDS
DATE:	11-07-2023

COVER SHEET

G0.00

BID SET

ONE INCH EQUALS FULL SCALE 11/9/2023 8:13:23 AM

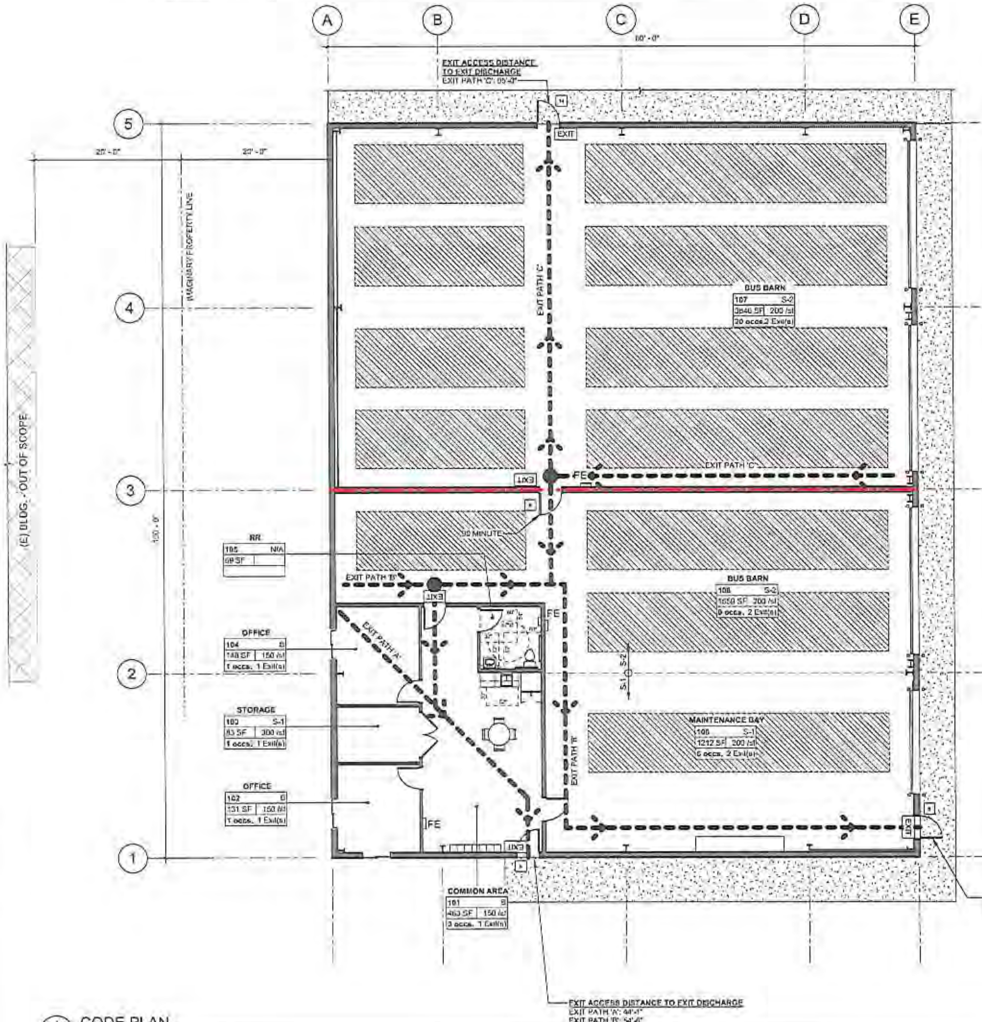
PLUMBING COUNT PER TABLE 2902.1

GROUP	OCC LOAD		FIXTURE RATIOS				FIXTURE REQUIREMENTS			
			W/C		LAV		W/C		LAV	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
BUSINESS	3	3	1/25	1/25	1/40	1/40	0.12	0.12	0.08	0.08
STORAGE	18	18	1/100	1/100	1/100	1/100	0.18	0.18	0.18	0.18
						TOTAL REQUIRED	0.30	0.30	0.26	0.26
						TOTAL PROVIDED	1		1	

2902.2 SEPARATE FACILITIES - EXCEPTION 5
ALTHOUGH TABLE 2902.1 REQUIRES TWO SEPERATE FACILITIES BASED ON THE PROJECTED OCCUPANT LOAD, THE ACTUAL OCCUPANT LOAD AS THIS SPACE WILL BE USED WILL BE CONSIDERABLY LESS THAN 30. THE SCHOOL DISTRICT IS ASKING FOR CONSIDERATION FROM THE BUILDING OFFICAL TO ACCEPT A SINGLE-USER UNISEX RESTROOM

CODE PLAN LEGEND

EXIT	ILLUMINATED EXIT SIGN PER 2022 OREGON FIRE CODE (OFC)
(arrow)	EMERGENCY EXIT ROUTE
(box)	OCCUPANCY LOAD VALUE PER ROOM
Room name / 101 OccType / 150 sf OLF /sf / # occs. # Exit(s)	ROOM OCCUPANT LOAD
(symbol)	FIRE EXTINGUISHER
(red line)	2-HOUR FIRE BARRIER
(dot)	LOCATION OF (2) OPTIONS OF EGRESS



1 CODE PLAN
G1.00 1/8" = 1'-0"

LIFE SAFETY CODE SUMMARY

APPLICABLE CODES

BUILDING CODE	2022 OSSC
PLUMBING CODE	2021 OPSC
MECHANICAL CODE	2022 OMSC
ELECTRICAL CODE	2021 OESC
ENERGY CODE	2021 OEESC
FIRE CODE	2022 OFC
ACCESSSIBILITY CODE	ICC A117.1-2017

BUILDING DATA

OCCUPANCIES (NONSEPARATED):	B, S-1, S-2
CONSTRUCTION TYPE:	VB
FIRE SPRINKLER:	NONE
FIRE ALARM:	NONE
ALLOWABLE BUILDING AREA:	9,000 SF
PROPOSED BUILDING AREA:	8,000 SF
ALLOWABLE BUILDING HEIGHT:	40'
PROPOSED BUILDING HEIGHT:	25'-8"
ALLOWABLE # OF STORIES:	1
PROPOSED # OF STORIES:	1

OCCUPANCY CLASSIFICATION AND USE
TABLE 307.1(1) MAXIMUM ALLOWABLE QUANTITY PER CONTROL AREA OF HAZARDOUS MATERIALS POSING A PHYSICAL HAZARD
THE STORAGE OF SMALL QUANTITIES OF HAZARDOUS MATERIALS IS LIMITED TO TABLES 307.1(1) AND 307.1(2)

SPECIAL DETAILED REQUIREMENTS BASED ON OCCUPANCY AND USE
406.2.4 FLOOR SURFACES SHALL BE OF CONCRETE OR SIMILAR APPROVED NONCOMBUSTIBLE AND NONABSORBENT MATERIALS. THE AREA OF FLOOR USED FOR THE PARKING OF AUTOMOBILES OR OTHER VEHICLES SHALL BE SLOPED TO FACILITATE THE MOVEMENT OF LIQUIDS TO A DRAIN
THE BUS BARN AND MAINTENANCE BAY ROOMS HAVE A CONCRETE FLOOR SURFACE AND WILL BE SLOPED TO THE MAIN VEHICLE ENTRY DOORWAY

406.2.9.1 EQUIPMENT AND APPLIANCES HAVING AN IGNITION SOURCE AND LOCATED IN HAZARDOUS LOCATIONS, REPAIR GARAGES, AND PARKING GARAGES SHALL BE ELEVATED SUCH THAT THE SOURCE OF IGNITION IS NOT LESS THAN 18" ABOVE THE FLOOR SURFACE ON WHICH THE EQUIPMENT OR APPLIANCE RESTS
EXCEPTION: ELEVATION OF THE IGNITION SOURCE IS NOT REQUIRED FOR APPLIANCES THAT ARE LISTED AS FLAMMABLE VAPOR IGNITION RESISTANT

406.2.9.2 APPLIANCES LOCATED IN REPAIR GARAGES OR OTHER AREAS FREQUENTED BY MOTOR VEHICLES SHALL BE INSTALLED NOT LESS THAN 8 FEET ABOVE THE FLOOR. WHERE MOTOR VEHICLES ARE CAPABLE OF PASSING UNDER AN APPLIANCE, THE APPLIANCE SHALL BE INSTALLED AT THE CLEARANCES REQUIRED BY THE APPLIANCE MANUFACTURER AND NOT LESS THAN 1 FOOT HIGHER THAN THE TALLEST VEHICLE GARAGE DOOR OPENING.
EXCEPTION: THE REQUIREMENTS OF THIS SECTION SHALL NOT APPLY WHERE THE APPLIANCES ARE PROTECTED FROM MOTOR VEHICLE IMPACT AND INSTALLED IN ACCORDANCE WITH SECTION 406.2.9.1 AND NFPA 30A

406.8.2 A MECHANICAL VENTILATION SYSTEM AND EXHAUST SYSTEM SHALL BE PROVIDED IN ACCORDANCE WITH CHAPTERS 4 AND 5 OF THE MECHANICAL CODE

406.8.1 REPAIR GARAGES SHALL BE MECHANICALLY VENTILATED IN ACCORDANCE WITH THE MECHANICAL CODE. THE VENTILATION SYSTEM SHALL BE CONTROLLED AT THE ENTRANCE TO THE GARAGE
CONTRACTOR TO COORDINATE AS DESIGN BUILD

406.8.3.1 WASTE OIL, MOTOR OIL AND OTHER CLASS IIIB LIQUIDS SHALL BE STORED IN APPROVED TANKS OR CONTAINERS, WHICH ARE ALLOWED TO BE STORED AND DISPENSED FROM INSIDE REPAIR GARAGES

GENERAL BUILDING HEIGHTS AND AREAS
508.3.3 NO SEPARATION IS REQUIRED BETWEEN NONSEPARATED OCCUPANCIES
ONLY A FIRE BARRIER IS PROVIDED AT GRID LINE 3 TO CREATE SEPARATE FIRE AREAS PER 707.3.10

FIRE AND SMOKE PROTECTION FEATURES
TABLE 705.5 FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE
SEPARATION OF 10≤ x <30 FEET OF GROUP S-1 ARE NOT REQUIRED TO BE RATED
SEPARATION OF ≥30 FEET OF GROUP S-1 ARE NOT REQUIRED TO BE RATED

707.3.10 THE FIRE BARRIER SEPARATING A SINGLE OCCUPANCY INTO DIFFERENT FIRE AREAS SHALL HAVE A FIRE RESISTANCE RATING OF NOT LESS THAN THAT INDICATED IN TABLE 707.3.10
THE FIRE-RESISTANCE RATING REQUIRED TO SEPERATE S-2 OCCUPANCY INTO DIFFERENT FIRE AREAS IS 2-HOUR

707.5 FIRE BARRIERS SHALL EXTEND FROM THE TOP OF THE FOUNDATION TO THE UNDERSIDE OF THE ROOF ABOVE AND SHALL BE SECURELY ATTACHED THERETO
SEE DETAILS IN PLAN SET FOR COMPLIANCE

707.6 OPENINGS IN A FIRE BARRIER SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 716. OPENINGS SHALL BE LIMITED TO A MAXIMUM AGGREGATE WIDTH OF 25 PERCENT OF THE LENGTH OF THE WALL, AND THE MAXIMUM AREA OF A SINGLE OPENING SHALL NOT EXCEED 156 SF
A SINGLE 3'x7' (21 SF) RATED DOOR IS PROPOSED IN THE FIRE BARRIER AND IS UNDER THE LIMITS CITED IN SECTION 707.6

TABLE 716.1(2) OPENING FIRE PROTECTION ASSEMBLIES, RATINGS AND MARKINGS
2-HOUR FIRE BARRIERS SHALL HAVE DOORS WITH A MINIMUM FIRE DOOR AND FIRE SHUTTER ASSEMBLY OF NOT LESS THAN 90-MINUTES

INTERIOR FINISHES
TABLE 803.13 INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY

	ROOMS AND ENCLOSED SPACES
GROUP B:	C
GROUP S:	C

CLASS C = FLAME SPREAD INDEX 76-200; SMOKE DEVELOPED INDEX 0-450

FIRE PROTECTION AND LIFE SAFETY SYSTEMS
903.2.9.1 REPAIR GARAGES
THE GROUP S-1 FIRE AREA IS UNDER 5,000 SF AND THEREFORE DOES NOT REQUIRE AN AUTOMATIC SPRINKLER SYSTEM

903.2.10.1 COMMERCIAL PARKING GARAGES
THE GROUP S-2 FIRE AREA HAS BEEN BROKEN UP WITH A 2-HOUR FIRE BARRIER TO CREATE FIRE AREAS THAT ARE LESS THAN 5,000 SF AND THEREFORE DOES NOT REQUIRE AN AUTOMATIC SPRINKLER SYSTEM

907.2.10 GROUP S
A FIRE ALARM AND DETECTION SYSTEM IS NOT REQUIRED

MEANS OF EGRESS
TABLE 1004.5 MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT
SEE CODE PLANS FOR OCCUPANT LOAD BREAKDOWN

TABLE 1006.2.1 MAXIMUM COMMON PATH OF EGRESS TRAVEL DISTANCE

OCCUPANCY	WITHOUT SPRINKLER SYSTEM	LONGEST DISTANCE PROPOSED	CONTROLING EXIT PATH
B	75' MAX.	44'-2"	'A'
S	100' MAX.	*	NA

THERE ARE TWO PATHS OF TRAVEL TO AN EXIT AT ANY POINT IN THE ROOM

TABLE 1017.2 EXIT ACCESS TRAVEL DISTANCE

OCCUPANCY	WITHOUT SPRINKLER SYSTEM	LONGEST DISTANCE PROPOSED	CONTROLING EXIT PATH
B	200' MAX.	44'-2"	'A'
S-1	200' MAX.	60'-3"	'B'
S-2	300' MAX.	111'-5"	'B'

SPECIAL CONSTRUCTION
3111.4.3 NEWLY CONSTRUCTED BUILDINGS SHALL BE PROVIDED WITH A SOLAR-READY ZONE COMPLYING WITH SECTIONS 3111.4.1 THROUGH 3111.4.3
A SOLAR-READY ZONE HAS BEEN PROVIDED. SEE ROOF PLAN ON SHEET A1.20

ENERGY CODE COMPLIANCE

BUILDING ENVELOPE REQUIREMENTS FOR CLIMATE ZONE 4C

	CONDITIONED	SEMIHEATED
METAL BUILDING ROOF:	NA	U-0.062 MAX. / R-19 MIN.
ATTIC:	R-49 MIN.	NA
WALL (WOOD FRAMED):	R-20 MIN.	R-13 MIN.
WALL (METAL BUILDING):	U-0.060 MAX.	U-0.162 MAX. / R-13 MIN.
SLAB-ON-GRADE:	R-15 MIN. FOR 24"	NO REQUIREMENT
DOORS (SWINGING):	U-0.370 MAX.	U-0.370 MAX.
DOORS (NONSWINGING):	U-0.310 MAX.	U-0.360 MAX.
WINDOWS (OPERABLE):	U-0.45 MAX.	NO REQUIREMENT

CONDITIONED	SEMICONDITIONED	UNCONDITIONED
RM 101 - COMMON AREA	RM 105 - MAINTENANCE BAY	RM 107 - BUS BARN
RM 102 - OFFICE	RM 106 - BUS BARN	
RM 103 - STORAGE		
RM 104 - OFFICE		
RM 105 - RESTROOM		

WHOLE-BUILDING PRESSURIZATION TESTING SHALL BE IN ACCORDANCE WITH ASTM E779 OR ASTM E1827 BY AN INDEPENDENT THIRD PARTY. THE MEASURED AIR LEAKAGE RATE OF THE BUILDING ENVELOPE SHALL NOT EXCEED 0.40 CFM/FT² UNDER A PRESSURE DIFFERENTIAL OF 0.3" OF WATER, WITH THIS AIR LEAKAGE RATE NORMALIZED BY THE SUM OF THE ABOVE-GRADE BUILDING ENVELOPE AREAS OF THE CONDITIONED SPACE AND SEMIHEATED SPACE

THE FOLLOWING AREAS OF THE CONTINUOUS AIR BARRIER IN THE BUILDING ENVELOPE SHALL BE WRAPPED, SEALED, CAULKED, GASKETED, OR TAPED IN AN APPROVED MANNER TO MINIMIZE AIR LEAKAGE:
1. JOINTS AROUND FENESTRATION AND DOOR FRAMES.
2. JUNCTIONS BETWEEN WALLS AND FLOORS, BETWEEN WALLS AT BUILDING CORNERS, AND BETWEEN WALLS AND ROOFS.
3. PENETRATIONS THROUGH THE CONTINUOUS AIR BARRIER IN BUILDING ENVELOPE ROOFS, WALLS, AND FLOORS.
4. BUILDING ASSEMBLIES USED AS DUCTS OR PLENUMS.
5. JOINTS, SEAMS, CONNECTIONS BETWEEN PLANES, AND OTHER CHANGES IN CONTINUOUS AIR BARRIER MATERIALS.

ASHRAE STANDARD 90.1-2019 5.4.3.3(7) VESTIBULES ARE NOT REQUIRED IN CLIMATE ZONE 4 WHERE THE BUILDING IS LESS THAN 1,000 SF IN GROSS CONDITIONED FLOOR AREA.'
THE GROSS CONDITIONED FLOOR AREA IS 894 SF

ZCS ENGINEERING ARCHITECTURE
524 Main Street, Suite 2, Oregon City, Oregon 97045 | 503-659-2205

BANDON SCHOOL DISTRICT #!
455 9TH STREET SW
BANDON, OR 97411

BANDON SCHOOL DISTRICT NEW BUS BARN

BANDON SCHOOL DISTRICT

PRELIMINARY - NOT FOR CONSTRUCTION

△	DATE:	Description

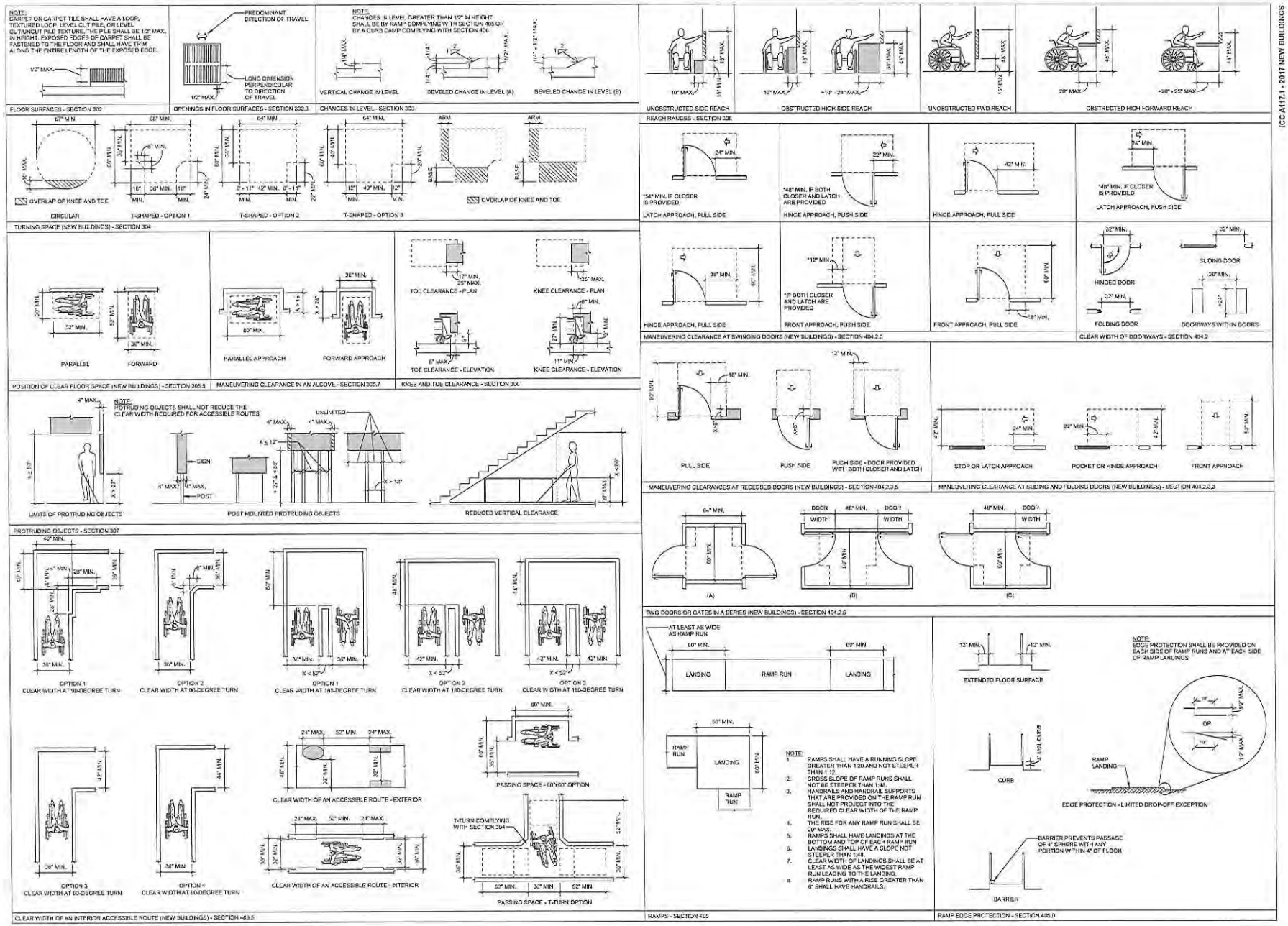
PROJECT NO.	C-1530-22
DRAWN:	LJS
CHECKED:	DDS
DATE:	11-07-2022

CODE PLAN

G1.00

BID SET

ONE INCH EQUALS FULL SCALE 11/3/2023 8:13:24 AM



ICC A117.1 - 2017 NEW BUILDINGS

ZCS ENGINEERING ARCHITECTURE

524 Main Street, Suite 2, Oregon City, Oregon 97045 | 503-659-2205

BANDON SCHOOL DISTRICT #1
455 9TH STREET SW
BANDON, OR 97411

BANDON SCHOOL DISTRICT NEW B BARN

BANDON SCHOOL DISTRICT

PRELIMINARY - NOT FOR CONSTRUCTION

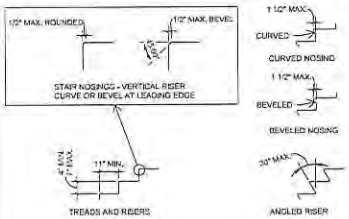
Δ	DATE:	Description

PROJECT NO.	G-1533-22
DRAWN:	LJS
CHECKED:	DDS
DATE:	11-07-2022

TYPICAL ADA STANDARDS

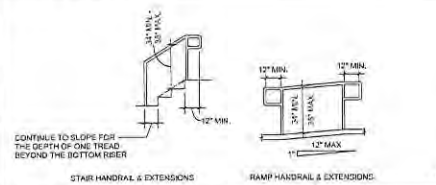
G2.00

DO NOT SCALE DRAWINGS



NOTES:
1. ALL STEPS ON A FLIGHT OF STAIRS SHALL HAVE A UNIFORM RISER HEIGHT AND UNIFORM TREAD DEPTH.
2. OPEN RISERS SHALL NOT BE PERMITTED.
3. NOSINGS WITHIN A STAIRWAY SHALL BE UNIFORM.
4. NOSINGS THAT PROJECT BEYOND RISERS SHALL HAVE THE UNDERSIDE OF THE LEADING EDGE CURVED OR BEVELED.
5. VISUAL CONTRAST SHALL COMPLY WITH EITHER A OR B:
   A. THE LEADING 1" - 2" OF EVERY TREAD AND LANDING, MEASURED HORIZONTALLY FROM THE LEADING EDGE OF THE NOSING, SHALL CONSIST OF A SOLID COLOR HAVING VISUAL CONTRAST OF DARK-ON-LIGHT OR LIGHT-ON-DARK FROM THE REMAINDER OF THE TREAD. THE CONTRASTING MARKING SHALL BE DURABLE AND SHALL EXTEND FROM ONE SIDE OF EACH TREAD TO THE OTHER SIDE OF EACH TREAD.
   B. DURABLE DISTINCTIVE WARNING MARKINGS REQUIRED BY THE ADOPTED BUILDING CODE OR ANSI SAFETY STANDARD.

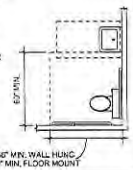
STAIR TREADS AND RISERS - SECTION 504



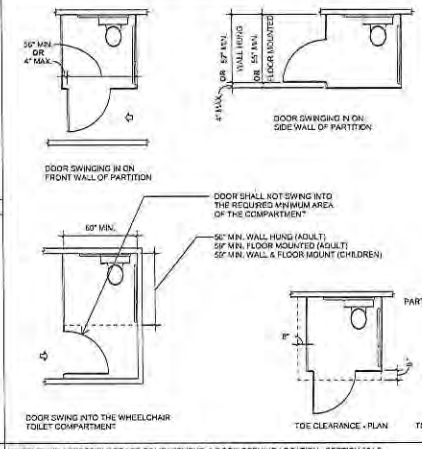
NOTES:
1. HANDRAILS SHALL BE PROVIDED ON BOTH SIDES OF STAIRS AND RAMPS.
2. HANDRAILS SHALL BE CONTINUOUS WITHIN FULL LENGTH OF EACH STAIR FLIGHT OR RAMP RUN. INSIDE HANDRAILS ON SWITCHBACK OR DOGLEG STAIRS OR RAMPS SHALL BE CONTINUOUS BETWEEN FLIGHT FLIGHTS AND RUNS.
3. HANDRAIL HEIGHT SHALL BE MEASURED VERTICALLY ABOVE NOSINGS, RAMP SURFACES AND WALKING SURFACES.
4. GRIPPING SURFACES SHALL BE CONTINUOUS, WITHOUT INTERRUPTION BY NEWEL POSTS, OTHER CONSTRUCTION ELEMENTS, OR OBSTRUCTIONS.
5. HANDRAIL CROSS SECTIONS:
   A. CIRCULAR: 1 1/4" MIN. - 2" MAX.
   B. NONCIRCULAR PERIMETER: 4" MIN. - 6 1/4" MAX.
   C. NONCIRCULAR CROSS SECTION: 2 3/4" MAX.
6. HANDRAIL EXTENSIONS SHALL RETURN TO A WALL, GUARD, OR FLOOR, OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT RAMP RUN OR AN ADJACENT STAIR FLIGHT.

HANDRAILS - SECTION 505

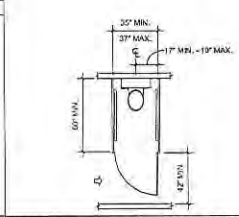
NOTE:
THE REQUIRED CLEARANCE AROUND THE WATER CLOSET SHALL BE PERMITTED TO OVERLAP THE WATER CLOSET, ASSOCIATED GRAB BARS, PAPER DISPENSERS, SANITARY NAPKIN RECEPTACLES, COAT HOOKS, SHELVES, ACCESSIBLE ROUTES, CLEAR FLOOR SPACE AT OTHER FIXTURES AND THE TURNING SPACE. NO OTHER FIXTURES OR OBSTRUCTIONS SHALL BE WITHIN THE REQUIRED WATER CLOSET CLEARANCE.



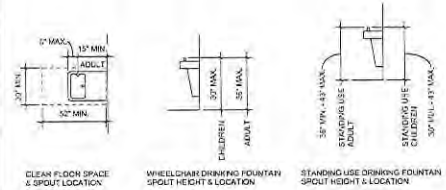
WATER CLOSET CLEARANCE SIZE - SECTION 604.3



WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT & DOOR OPENING LOCATION - SECTION 604.8

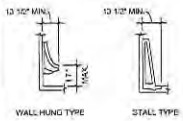


AMBULATORY ACCESSIBLE TOILET COMPARTMENT - SECTION 604.10

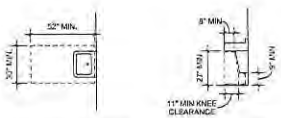


NOTE:
WHERE BOTTLE FILLING STATIONS ARE PART OF THE DRINKING FOUNTAIN FOR PERSONS WHO ARE STANDING, THE BOTTLE FILLING STATION IS NOT REQUIRED TO COMPLY WITH THIS SECTION PROVIDED A BOTTLE FILLING STATION IS LOCATED AT THE DRINKING FOUNTAIN FOR PERSONS USING WHEELCHAIRS.

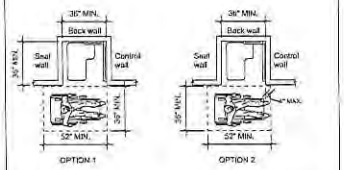
DRINKING FOUNTAINS - SECTION 602



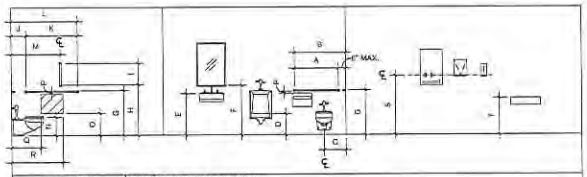
URINALS - SECTION 605



LAVATORIES - SECTION 606



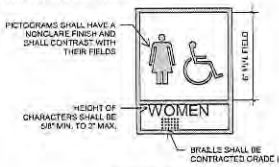
TRANSFER-TYPE COMPARTMENT CLEARANCES (NEW BUILDINGS) - SECTION 608



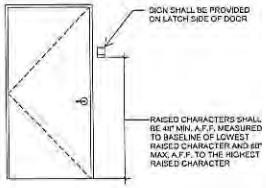
FIXTURES	DIM#	MOUNTING HEIGHT
REAR WALL GRAB BAR	A	36" MIN IN LENGTH
REAR WALL GRAB BAR	B	EXTEND 12" MIN FROM THE SIDE WALL
TOILET	C	16" MIN - 18" MAX TO CENTER FROM SIDE WALL
URINAL (ADA)	D	17" TO RIM A.F.F.
URINAL	D	24" TO RIM A.F.F.
SINK (ADA)	E	34" MAX TO THE HIGHER OF THE RIM OR COUNTER SURFACE
MIRROR	F	40" MAX TO BOTTOM EDGE OF REFLECTING SURFACE
HORIZONTAL GRAB BAR	G	33" MIN - 36" MAX HEIGHT A.F.F. TO T.O. GRIPPING SURFACE
VERTICAL GRAB BAR	H	36" MIN - 41" MAX HEIGHT A.F.F.
VERTICAL GRAB BAR	I	18" MIN IN LENGTH
SIDE WALL GRAB BAR	J	12" MAX FROM REAR WALL
SIDE WALL GRAB BAR	K	42" MIN IN LENGTH
SIDE WALL GRAB BAR	L	EXTEND 54" MIN FROM REAR WALL
VERTICAL GRAB BAR	M	36" MIN - 41" MAX FROM THE REAR WALL TO CENTERLINE OF BAR
TOILET	N	17" MIN - 19" MAX TO T.O. SEAT A.F.F.
TOILET PAPER AND SANITARY NAPKIN DISPENSER	O	18" MIN. TO OUTLET OF DISPENSOR A.F.F.
TOILET PAPER AND SEAT COVER DISPENSER	P	1 1/2" MIN. FROM B.D. GRAB BAR
TOILET PAPER DISPENSER	Q	28" MIN - 36" MAX FROM WALL TO OUTLET OF DISPENSOR
TOILET PAPER DISPENSER	R	42" MAX FROM WALL TO OUTLET OF DISPENSOR
ACCESSORY DISPENSERS	S	48" MAX A.F.F. TO HIGHEST OPERABLE PARTS OR 44" MAX A.F.F. IF OVER AN OBSTRUCTION W/ A DEPTH OF >20"
BABY CHANGING TABLE	T	28" MIN - 34" MAX HEIGHT A.F.F.

TYPICAL MOUNTING REQUIREMENTS

NOTE:
LETTERS AND NUMBERS ON SIGNS SHALL BE RAISED 1/32" MIN. AND SHALL BE SANS-SERIF UPPERCASE CHARACTERS ACCOMPANIED BY CONTRACTED GRADE 2 BRAILLE WITH A CONTRASTING BACKGROUND.

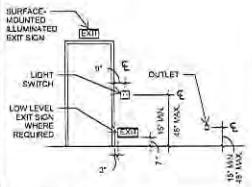


GENERAL SIGNAGE REQUIREMENTS

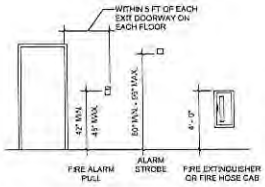


RESTROOM SIGN LOCATION

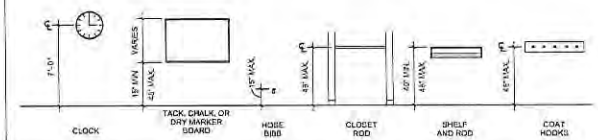
SIGNAGE, IDENTIFICATION & INTERNATIONAL SYMBOLS OF ACCESSIBILITY - SECTION 703



EXIT SIGNS, LIGHT SWITCHES & OUTLETS



FIRE APPLIANCES



MISCELLANEOUS MOUNTING HEIGHTS

ICC A117.1 - 2017 NEW BUILDINGS

ZCS ENGINEERING ARCHITECTURE
524 Main Street, Suite 2, Oregon City, Oregon 97045 | 503-656-2205

BANDON SCHOOL DISTRICT #1
455 9TH STREET SW
BANDON, OR 97411

BANDON SCHOO DISTRICT NEW B BARN

BANDON SCHOOL DISTRICT

PRELIMINARY, NOT FOR CONSTRUCTION

△	DATE:	Description

PROJECT NO.	G-1503-22
DRAWN:	LJS
CHECKED:	DDS
DATE:	11-07-2023

TYPICAL ADA STANDARDS

G2.10

G:\G-1503-22 BANDON SCHOOL DISTRICT NEW BARN\DWG\G2.10 TYPICAL ADA STANDARDS.DWG 11/7/2023 8:13:55 AM

BANDON SCHOOL DISTRICT NEW BUS BARN

BANDON, OR 97411

CIVIL LEGEND

HATCHES & LINE TYPES:

- NEW CONCRETE PAVING - UN-REINFORCED
- NEW CONCRETE PAVING - REINFORCED
- NEW GRAVEL PAVING
- NEW RIP RAP
- EXISTING DRAINAGE SWALE
- EXISTING WATER - POTABLE
- NEW WATER - POTABLE
- NEW POWER - BURIED
- EXISTING FENCING
- NEW FENCING
- NEW SANITARY SEWER - GRAVITY
- NEW SANITARY SEWER - FORCE MAIN
- NEW STORM SEWER

SYMBOLS (NEW):

- GRADE SPOT ELEVATION
- GRADING SLOPE
- CLEANOUT TO GRADE
- SANITARY SEWER LIFT STATION/PUMP
- CATCH BASIN
- BOLLARD

SYMBOLS (EXISTING):

- GRADE SPOT ELEVATION
- SANITARY SEWER MANHOLE
- SANITARY SEWER CLEANOUT
- STORM DRAIN MANHOLE
- CATCH BASIN
- WATER METER
- WATER VALVE
- FIRE HYDRANT
- POWER TRANSFORMER
- POWER METER
- SITE LIGHT

ABBREVIATIONS

APWA	AMERICAN PUBLIC WORKS ASSOCIATION
ASTM	AMERICAN STANDARD TEST METHOD
AWWA	AMERICAN WATER WORKS ASSOCIATION
AC	ASPHALT
BOSW	BACK OF SIDEWALK
BWV	BACK WATER VALVE
BMP	BEST MANAGEMENT PRACTICE
BOS	BOTTOM OF STAIR
BOW	BOTTOM OF WALL
CB	CATCH BASIN
CO	CLEANOUT RISER
CONC	CONCRETE
DEQ	DEPARTMENT OF ENVIRONMENTAL QUALITY
DWG	DRAWING
DIP	DUCTILE IRON PIPE
(EC)	ECCENTRIC CONE MANHOLE
EPA	ENVIRONMENTAL PROTECTION AGENCY
ESC	EROSION AND SEDIMENT CONTROL
(E)	EXISTING
EG	EXISTING GRADE
FFE	FINISHED FLOOR ELEVATION
FG	FINISHED GRADE
FDC	FIRE DEPARTMENT CONNECTION
FL	FLOW LINE
GC	GENERAL CONTRACTOR
GB	GRADE BREAK
GRVL	GRAVEL
GRD	GROUND
HDPE	HIGH-DENSITY POLYETHYLENE
HMAC	HOT MIX ASPHALT CONCRETE
IE	INVERT ELEVATION
LF	LINEAL FEET
MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
MAX	MAXIMUM
MIN	MINIMUM
(N)	NEW
NAVD	NORTH AMERICAN VERTICAL DATUM
ODOT	OREGON DEPARTMENT OF TRANSPORTATION
OSSC	OREGON STRUCTURAL SPECIALTY CODE
PPML	PACIFIC POWER CORP
PG	PERFORMANCE GRADE
PVC	POLYVINYL CHLORIDE
(P)	PROPOSED
ROW	RIGHT-OF-WAY
SSCO	SANITARY SEWER CLEANOUT
SW	SIDEWALK
TOC	TIME OF CONSTRUCTION
TBC	TOP OF BACK OF CURB
TFC	TOP OF FACE OF CURB
TOS	TOP OF STAIR
TOW	TOP OF WALL
TYP	TYPICAL
UPC	UNIFORM PLUMBING CODE

PROJECT INFORMATION

PROJECT TEAM

OWNER REPRESENTATIVE
SHAUNA SCHMEIER
BANDON SCHOOL DISTRICT #54
455 9TH STREET SW
BANDON, OR 97411
(541) 347-4411

ENGINEER OF RECORD
SYLAS C. ALLEN, PE
CONTACT: LUCAS COWEY
ZCS ENGINEERING & ARCHITECTURE
127 NW D STREET
GRANTS PASS, OR 97526
(541) 479-3865

SEWER PROVIDER
CITY OF BANDON
PUBLIC WORKS
555 US-101
BANDON, OR 97411
(541) 347-2437

ARCHITECTURE:
STAMPING REGISTRANT: ZACHARY A. STOKES, PE
CONTACT: DAN SALTER, AIA
ZCS ENGINEERING & ARCHITECTURE
524 MAIN STREET, SUITE 2
OREGON CITY, OR 97045
(503) 655-2205

CMGC
SCOTT O. PARTNEY
SCOTT PARTNEY CONSTRUCTION
720 CHAPPELL PARKWAY
NORTH BEND, OR 97459
(541) 756-7000

SURVEYOR
JOHN R. PARIANI, PLS
PARIANI LAND SURVEYING, LLC
17 SOUTH PLATT AVE, SUITE C
EAGLE POINT, OR 97524
(541) 690-1131

LOT INFORMATION:

SITE LOCATION:	390 9TH STREET SW BANDON, OR 97411
TAX MAP:	T29S-R15W-S25DA
TAX LOT:	6000
SITE ACREAGE:	±5.35 ACRES
ZONING:	PF - PUBLIC FACILITY

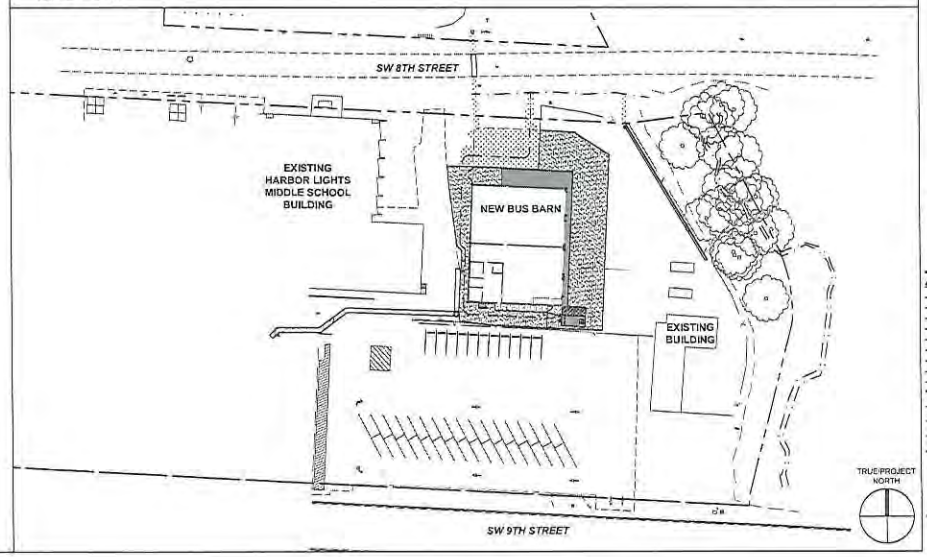
ATTENTION:
OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH 952-001-0090. YOU MAY OBTAIN COPIES OF THE RULES BY CALLING THE CENTER. (NOTE: THE TELEPHONE NUMBER FOR THE OREGON UTILITY NOTIFICATION CENTER IS (503 232-1987).

VICINITY MAP

SHEET INDEX

C0.00	CIVIL COVER SHEET
C0.01	GENERAL CIVIL NOTES
C0.02	EROSION AND SEDIMENT CONTROL NOTES
C1.00	EXISTING CONDITIONS, DEMOLITION, AND EROSION AND SEDIMENT CONTROL PLAN
C2.00	CIVIL SITE, FENCING, STRIPING, AND SIGNAGE PLAN
C3.00	GRADING, DRAINAGE, AND UTILITY PLAN
C4.00	PRIVATE CIVIL DETAILS
C5.00	AGENCY STANDARD DETAILS

SITE PLAN



ZCS ENGINEERING ARCHITECTURE
127 NW D Street, Grants Pass, Oregon 97526 | 541-479-3865

BANDON SCHOOL DISTRICT #54
455 9TH STREET SW
BANDON, OR 97411

BANDON SCHOOL DISTRICT NEW BUS BARN

BANDON SCHOOL DISTRICT 54

PRELIMINARY NOT FOR CONSTRUCTION

REVISION #:	DATE:

PROJECT NO:	G-1523-22
DRAWN:	KAK
CHECKED:	LGC
DATE:	11-07-23

CIVIL COVER SHEET

C0.00

EROSION CONTROL NOTE:

DRAWING C1.00 CONTAINS AN EROSION AND SEDIMENT CONTROL PLAN THAT MUST BE IMPLEMENTED PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES. THE INFORMATION CONTAINED WITHIN THE REFERENCED DRAWING SHALL BE CONSIDERED A MINIMUM AND SHALL BE MODIFIED AS REQUIRED BY THE CONTRACTOR AND CITY INSPECTOR TO CONTAIN ALL SEDIMENT ON SITE. SPECIAL ATTENTION SHALL BE TAKEN AT ALL EXISTING STORM DRAIN CATCH BASINS AND STORM DRAIN CHANNELS AS TO ELIMINATE ANY SEDIMENT TRANSFER INTO THE EXISTING STORM DRAIN SYSTEM.

AN ALL WEATHER ROCK SURFACE SHALL BE PROVIDED AT ALL CONSTRUCTION SITE ENTRANCES. CONTRACTOR MAY ELECT TO USE EXISTING GRAVEL PAVING, AC PAVING, ETC. (IF ACCEPTABLE TO CITY INSPECTOR). ALL CONSTRUCTION SHALL BE MAINTAINED WITHIN THE DEVELOPMENT LIMITS OF THIS PHASE. REFER TO DRAWING C1.00 FOR ADDITIONAL INFORMATION.

UTILITY STATEMENT:

EXISTING UNDERGROUND UTILITIES ILLUSTRATED IN THESE PLANS ARE APPROXIMATED BASED ON MAPS OBTAINED FROM THE CITY OF BANDON PUBLIC WORKS FILES, OR HAVE BEEN LOCATED BY A UTILITY LOCATE COMPANY. LAYOUT INDICATED IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. ALL LINES WITHIN PROJECTED WORK ZONE SHALL BE FIELD VERIFIED AS REQUIRED PRIOR TO CONSTRUCTION.

RESTORATION STATEMENT:

CONTRACTOR SHALL RESTORE BACK TO ORIGINAL CONDITION, PRIOR TO CONTRACT COMPLETION, ALL DISTURBED SURFACES IMPACTED DURING CONSTRUCTION. THIS INCLUDES, BUT IS NOT LIMITED TO, CONSTRUCTION ACCESS, SIDEWALKS, CURBS, ASPHALT, LAWN AND LANDSCAPE AREAS, ETC. DISTURBED AREAS TO BE GRADED SMOOTH AND ADEQUATELY SLOPED TO DRAIN. AREA SHALL BE CLEAN AND FINISH GRADED BEFORE FINAL DEMOBILIZATION. COORDINATE WITH ENGINEER AND OWNER AT THE TIME OF PROJECT CONSTRUCTION COMPLETION.

GENERAL CIVIL NOTES:

1. ALL WORK AND MATERIALS SHALL CONFORM TO THE 2021 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION, CURRENT OREGON PLUMBING SPECIALTY CODE, AND ALL APPLICABLE STATE, CITY, AND COUNTY REGULATIONS AND STANDARDS. CONTACT ENGINEER FOR DIRECTIVE IN THE EVENT OF CONFLICTING STANDARDS.
2. ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE COORDINATED WITH THE GOVERNING AGENCY'S INSPECTOR AND SHALL CONFORM TO THAT AGENCY'S CURRENT ENGINEERING STANDARD SPECIFICATIONS AND DETAILS.
3. THE GENERAL CONTRACTOR AND ALL THEIR AFFILIATES SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, AND LOCATIONS PRIOR TO CONSTRUCTION. IMMEDIATELY NOTIFY ENGINEER OF ANY DISCREPANCIES.
4. ALL CONSTRUCTION STAKING, GRADE SURVEYING, AND HORIZONTAL LAYOUT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE PERFORMED BY A PROFESSIONAL LAND SURVEYOR LICENSED IN THE STATE OF OREGON. COORDINATE WITH ENGINEER PRIOR TO CONSTRUCTION.
5. ALL EXISTING UTILITIES IDENTIFIED IN THIS PLAN SET ARE NOT INTENDED TO BE EXACT OR COMPLETE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY ALL UTILITIES AND PROTECT AS REQUIRED DURING THE COURSE OF CONSTRUCTION. CALL THE "OREGON UTILITY NOTIFICATION CENTER" AT 1-800-332-2344 TO LOCATE EXISTING UTILITIES, 48 HOURS BEFORE DIGGING.
6. CONTRACTOR SHALL NOTIFY ALL APPLICABLE REGULATORY AGENCIES AND UTILITY COMPANIES 48 HOURS PRIOR TO BEGINNING WORK.
7. ALL EXCAVATION, TRENCH BACK FILL, PARKING LOT/ROAD SUB-GRADE, FLAT WORK SUB-GRADE, COMPACTION REQUIREMENTS, ETC. SHALL BE AS NOTED IN THE SITE PREPARATION NOTES AND/OR THE PROJECT GEOTECHNICAL REPORT.
8. ALL BASE ROCK PLACED UNDER PAVEMENT AND IN UTILITY TRENCHES SHALL CONFORM TO THE 2021 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION.
9. ALL ASPHALT CONCRETE AND PORTLAND CEMENT CONCRETE PAVEMENT AND ITS PLACEMENT SHALL CONFORM TO THE 2021 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION.
10. ALL SITE CONCRETE SHALL BE f'c = 3,500 psi @ 28 DAYS, 6% ENTRAINED AIR, 4" SLUMP (UNLESS NOTED OTHERWISE).
11. ALL UTILITY SERVICES SHALL BE INSTALLED PER THE RESPECTIVE UTILITY CODES AND STANDARDS.
12. ALL UTILITIES SHALL HAVE A MINIMUM COVER AS IDENTIFIED IN THE PLAN SET OR AS OTHERWISE SPECIFIED BY THE RESPECTIVE UTILITY COMPANY.
13. ALL SERVICES SHALL BE ADEQUATELY MARKED AS TO IDENTIFY THE SIZE, TYPE, AND DEPTH OF THE SERVICE. CONTRACTOR TO PROVIDE LOCATE WIRE/TAPE AS REQUIRED BY THE APPLICABLE AGENCIES.
14. ALL UNDERGROUND UTILITIES AND SERVICE LATERALS SHALL BE INSTALLED PRIOR TO CONSTRUCTION OF CURBS AND GUTTERS. CONTRACTOR SHALL STAMP CURBS OR SIDEWALKS (AS APPLICABLE) TO MARK THE LOCATIONS OF ALL SERVICE LINES (S - SANITARY, W - WATER, D - STORM DRAIN, G - GAS).
15. ALL SERVICES AND SLEEVES SHALL BE PLUGGED AS REQUIRED TO ENSURE THAT NO FOREIGN MATERIALS ENTER THE LINE.
16. GAS, POWER, TELEPHONE, CABLE, AND FIBER OPTIC LINES SHALL BE INSTALLED BASED ON THE PLANS AND SPECIFICATIONS PROVIDED BY THE APPLICABLE UTILITY COMPANIES. APPROXIMATE UTILITY LOCATIONS HAVE BEEN PROVIDED ON THIS PLAN SET AS A REFERENCE. CONTRACTOR SHALL COORDINATE TRENCH EXCAVATIONS, CONDUIT INSTALLATIONS, BEDDING, BACKFILLING, AND INSPECTION REQUIREMENTS WITH THE APPROPRIATE UTILITY REPRESENTATIVES.
17. CONTRACTOR SHALL PROVIDE THE ENGINEER WITH AN AS-BUILT DRAWING OF ALL UTILITY SERVICE INSTALLATIONS INCLUDING THE SERVICE SIZE, TYPE, DEPTH OF MAIN, TYPE OF CONNECTION AT MAIN, INSTALLATION DATE, LOCATION, AND SKETCH (AS APPLICABLE).
18. CONTRACTOR SHALL OBTAIN ALL APPLICABLE PERMITS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. COORDINATE WITH THE ENGINEER PRIOR TO CONSTRUCTION TO IDENTIFY PERMIT REQUIREMENTS.
19. ALL ON-SITE DOMESTIC WATER LINES SHALL BE SCHEDULE 40 PVC WATER PIPE CONFORMING TO ASTM D 1785 WITH SOLVENT-CEMENTED JOINTS. REFER TO MECHANICAL/PLUMBING PLANS FOR ALL PIPING REQUIREMENTS WITHIN 5' OF STRUCTURES.
20. ALL GRAVITY SANITARY SEWER WASTE LINES SHOWN OUTSIDE THE BUILDING FOOTPRINT SHALL BE PVC SEWER PIPE CONFORMING TO ASTM D 3034 - SDR 35 WITH GASKET JOINTS. ALL PRESSURE SANITARY SEWER WASTE LINES SHOWN OUTSIDE THE BUILDING FOOTPRINT SHALL BE SCHEDULE 40 PRESSURE-RATED PVC SEWER PIPE CONFORMING TO ASTM D-1785. REFER TO MECHANICAL/PLUMBING PLANS FOR ALL PIPING REQUIREMENTS WITHIN 5' OF STRUCTURES.
21. SANITARY LINES SHALL BE REQUIRED TO PASS A LOW PRESSURE AIR TEST OR WATER TEST CONFORMING TO THE 2021 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION AND UNIFORM PLUMBING CODE SPECIFICATIONS PRIOR TO FINAL ACCEPTANCE. ALL PARTS OF THE SYSTEM SHALL BE CLEANED PRIOR TO TESTING AND FINAL ACCEPTANCE. THE CONTRACTOR SHALL NOT ALLOW ANY FOREIGN MATERIAL TO ENTER THE EXISTING SYSTEM. THE CONTRACTOR SHALL PROVIDE THE REQUIRED PERSONNEL AND MATERIALS TO PERFORM THE ABOVE TESTS. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH DOCUMENTATION OF THE TEST RESULTS FOR APPROVAL.
22. EXISTING SEWER SERVICES MUST BE TV INSPECTED AND APPROVED BY THE APPLICABLE AGENCY PRIOR TO THEIR REUSE. IF DEFICIENCIES IN THE SERVICE LINES/CONNECTIONS ARE DISCOVERED DURING THE INSPECTION, THEY MUST BE CORRECTED BASED ON THE APPLICABLE AGENCY STANDARDS.
23. STORM COLLECTION SYSTEM IS DESIGNED FOR WATER TIGHT COMPONENTS.
24. ALL STORM PIPE IDENTIFIED AS 'PVC' SHALL BE ASTM D 3034 - SDR 35. ALL STORM PIPE IDENTIFIED AS 'HDPE' SHALL BE ADVANCED DRAINAGE SYSTEMS 'N-12 WT IB'. ALL STORM PIPE IDENTIFIED AS 'CMP' SHALL BE 12 GUAGE GALVANIZED CORRUGATED METAL. SEE PLAN SET FOR ADDITIONAL INFORMATION.
25. ALL STORM COLLECTION SYSTEM CONNECTIONS AND COMPONENTS SHALL CONFORM TO PIPE MANUFACTURER REQUIREMENTS. CONTRACTOR TO COORDINATE FINAL STORM SYSTEM LAYOUT WITH ENGINEER AND STORM SYSTEM SUPPLIER PRIOR AT TIME OF CONSTRUCTION. STORM SYSTEM COMPONENT SHOP DRAWINGS SHALL BE PROVIDED FOR ENGINEER'S REVIEW PRIOR TO CONSTRUCTION.
26. ALL CATCH BASINS SHALL BE AS IDENTIFIED ON PLAN SET. ALL STORM SYSTEM CATCH BASINS SHALL BE PROVIDED WITH A MINIMUM 24" SETTLEMENT SUMP BELOW THE LOWEST PIPE INVERT (UNLESS NOTED OTHERWISE) AND A POLLUTION CONTROL HOOD AND TRAP SYSTEM. REFER TO PLAN SET FOR ADDITIONAL INFORMATION.

GENERAL CIVIL NOTES (CONTINUED):

27. CONTRACTOR SHALL PROVIDE ENGINEER WITH SHOP DRAWING SUBMITTALS ON ALL PERMANENTLY INSTALLED MANUFACTURED ITEMS.
28. ALL UNDERGROUND PIPING, CONDUIT AND OTHER UTILITIES SHALL BE INSTALLED PER ZCS DETAIL CALLOUT (OR AS OTHERWISE SPECIFIED BY PIPE MANUFACTURER). NOTIFY ENGINEER IN EVENT OF DISCREPANCIES.
29. ALL TEMPORARY PROTECTION AND DIRECTION OF TRAFFIC SHALL BE BY THE CONTRACTOR AND CONFORM WITH BOTH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE ODOT MANUAL ON SHORT TERM TRAFFIC CONTROL (AS APPLICABLE).
30. PREPARATION OF ALL LANDSCAPED AREAS SHALL BE AS NOTED ON THE PLANS. THE ENGINEER SHALL INSPECT ALL LANDSCAPE PLANTER GRADES PRIOR TO RECEIVING FINAL SURFACE TREATMENT.
31. HOLD SUB-GRADE ELEVATIONS DOWN 6" WITHIN LANDSCAPE AREAS RECEIVING GROUND COVER AND/OR LAWN. REFER TO PLANS FOR ADDITIONAL INFORMATION PERTAINING TO TOP SOIL REQUIREMENTS.
32. ALL PAINTED MARKINGS SHALL BE INSTALLED WITH FAST DRYING TRAFFIC LINE PAINT APPLIED IN TWO SEPARATE APPLICATIONS PER THE OREGON APWA / ODOT STANDARD SPECIFICATIONS FOR CONSTRUCTION.
33. SAND SEAL AND TACK ALL CUT ASPHALT EDGES WHEN PLACING NEW ASPHALT ADJACENT TO EXISTING ASPHALT.
34. SEE PLAN SET FOR ADDITIONAL INFORMATION.

SITE PREPARATION NOTES:

CLEARING AND GRUBBING -

1. REFER TO STRUCTURAL (FOUNDATION) PLANS FOR SPECIFIC SOIL EXCAVATION AND BACKFILL REQUIREMENTS WITHIN BUILDING FOOTPRINT.
2. ALL AREAS BELOW ROADWAYS, PARKING AREAS, AND WALKWAYS SHALL BE CLEARED AND GRUBBED OF ALL PAVEMENT, FOREIGN MATTER, DEBRIS, ORGANIC AND DISTURBED MATERIAL (U.N.O.) STRIPPING DEPTHS WILL VARY DEPENDING ON LOCATION AND PAVEMENT SECTION REQUIREMENTS. ALL EXPOSED MATERIAL SHALL BE MOISTURE CONDITIONED TO WITHIN 2% OF OPTIMUM PRIOR TO PLACEMENT OF FILL MATERIAL DESCRIBED BELOW.
3. ALL CLEARED AND GRUBBED MATERIAL NOT UTILIZED FOR THE PROJECT SHALL BE REMOVED FROM THE CONSTRUCTION SITE. CONTRACTOR SHALL COORDINATE APPROVED DISPOSAL LOCATION.
4. ALL AREAS WITH ABANDONED UTILITY LINES, STORM DRAINS, UNDERGROUND TANKS, ETC. WHICH PROVIDE VOID SPACE BENEATH THE SURFACE SHALL BE LOCATED AND REMOVED PRIOR TO GRADING ACTIVITIES.
5. ALL HOLES, DEPRESSIONS, AND UNDISTURBED NATIVE MATERIAL SHALL BE CLEARED OF ALL LOOSE AND ORGANIC MATERIAL PRIOR TO BACKFILLING WITH APPROVED STRUCTURAL FILL.
6. AFTER CLEARING THE ABOVE MENTIONED AREAS, ALL EXPOSED SUB-GRADE SHALL BE PROOF ROLLED WITH A LOADED DUMP TRUCK OR HEAVY NON-VIBRATORY ROLLER. SOILS SHALL BE REMOVED AND RECOMPACTED OR REPLACED WITH APPROVED IMPORTED STRUCTURAL FILL IF THEY DO NOT DEMONSTRATE A FIRM, UNYIELDING CONDITION. CIVIL ENGINEER OF RECORD SHALL APPROVE SUB-GRADE SURFACE PRIOR TO STRUCTURAL FILL IMPORT EXPLAINED BELOW.

STRUCTURAL FILL PLACEMENT AND COMPACTION -

7. APPROVED STRUCTURAL FILL SHALL BE IMPORTED AND PLACED BENEATH AREAS RECEIVING ASPHALT AND/OR CONCRETE PAVEMENT.
8. ALL VEHICULAR TRAFFIC AREAS RECEIVING ASPHALT AND/OR CONCRETE SHALL BE PROVIDED WITH AN APPROVED WOVEN GEOTEXTILE FABRIC APPLIED DIRECTLY OVER THE SUB-GRADE DESCRIBED ABOVE. SEE PLAN SET FOR ADDITIONAL DETAILS.
9. STRUCTURAL FILL MATERIALS SHALL BE APPROVED BY THE CIVIL ENGINEER OF RECORD PRIOR TO IMPORTING. ALL FILL SHALL BE FREE OF ORGANIC AND EXPANSIVE CLAY MATERIAL. ALL BASE ROCK SHALL CONFORM TO THE SPECIFICATIONS IDENTIFIED IN THE PLAN SET.
10. STRUCTURAL FILL PLACEMENT LIFTS TO BE DETERMINED BY THE CIVIL ENGINEER OF RECORD BASED ON MATERIAL PROPERTIES AND TYPE OF COMPACTION EQUIPMENT USED. BASE ROCK PLACEMENT LIFTS SHALL NOT EXCEED 8". EACH LIFT SHALL BE NEARLY EQUAL IN THICKNESS AND COMPACTED TO A MINIMUM OF 95% OF ASTM D698. FILLS SHALL BE PLACED AT OR SLIGHTLY ABOVE THEIR OPTIMUM MOISTURE CONTENT.

SPECIAL CONCRETE NOTES:

THE FOLLOWING NOTES APPLY TO ALL PROJECT CONCRETE. CERTAIN NOTES MAY NOT BE APPLICABLE. CONTACT THE ENGINEER OF RECORD FOR CLARIFICATION AS REQUIRED.

1. ALL FLATWORK CONCRETE TO BE F'C = 3,500 PSI UNLESS NOTED OTHERWISE. ALL RETAINING WALL CONCRETE TO BE F'C = 4,000 PSI UNLESS NOTED OTHERWISE. PROVIDE STANDARD CONCRETE TESTING PUCKS FROM CONCRETE SUPPLIER.
2. ALL CONCRETE TO HAVE 6% (±1%) AIR ENTRAINMENT.
3. PERFORM WORK IN ACCORDANCE WITH ACI 301 AND ACI 318. FOLLOW RECOMMENDATIONS OF ACI 305R WHEN CONCRETING DURING HOT WEATHER AND ACI 306R WHEN CONCRETING DURING COLD WEATHER. PLACE CONCRETE IN ACCORDANCE WITH ACI 304R. ENSURE REINFORCEMENT, INSERTS, EMBEDDED PARTS, FORMED JOINTS ARE NOT DISTURBED DURING CONCRETE PLACEMENT. PLACE CONCRETE CONTINUOUSLY OVER THE FULL WIDTH OF THE PANEL AND BETWEEN PREDETERMINED CONSTRUCTION JOINTS.
4. ALL CONCRETE SHALL BE PLACED OVER 4" MINIMUM LAYER (UNLESS NOTED OTHERWISE) OF APPROVED 3/4" MINUS ODOT SPEC CRUSHED ROCK COMPACTED TO 95% AASHTO T-99 OVER APPROVED COMPACTED (ASTM D698) STRUCTURAL FILL AS REQUIRED FOR GRADE OVER FIRM, UNDISTURBED, NON-ORGANIC NATIVE MATERIAL. THE EXISTING SITE SHALL BE CLEARED AND GRUBBED OF ALL ORGANIC AND/OR EXPANSIVE MATERIAL PRIOR TO STRUCTURAL FILL IMPORT.
5. ALL BACKFILL SHALL BE NON-ORGANIC, NON-EXPANSIVE GRANULAR MATERIAL COMPACTED TO 95% PROCTOR.
6. REINFORCING STEEL SHALL CONFORM TO ASTM A 615/A 615M GRADE 60 (420); DEFORMED BILLET STEEL BARS; UNFINISHED FINISH. STEEL WELDED WIRE REINFORCEMENT SHALL BE PLAIN TYPE, ASTM A 185/A 185M; IN FLAT SHEETS; UNFINISHED. DOWELS SHALL CONFORM TO ASTM A 615/A 615M GRADE 40 (280); DEFORMED BILLET STEEL BARS; UNFINISHED FINISH. ALL TIE WIRE SHALL BE A MINIMUM OF #16 ANNEALED STEEL.
7. PLACE AND SECURE FORMS TO CORRECT LOCATION, DIMENSION, PROFILE, AND GRADIENT. ASSEMBLE FORMWORK TO PERMIT EASY STRIPPING AND DISMANTLING WITHOUT DAMAGING CONCRETE. PLACE JOINT FILLER VERTICAL IN POSITION, IN STRAIGHT LINES. SECURE TO FORMWORK DURING CONCRETE PLACEMENT. HOLD TOP OF PRE-MOLDED JOINT FILLER DOWN 1/2" AND SEAL UPPER 3/8" WITH APPROVED JOINT SEAL MATERIAL.
8. RETAINING WALLS TO BE AT MINIMUM 80% DESIGN STRENGTH AND 7 DAYS CURE PRIOR TO ANY BACKFILL PLACEMENT.
9. NO HORIZONTAL CONSTRUCTION JOINTS PERMITTED.
10. MAXIMUM VARIATION OF SURFACE FLATNESS SHALL NOT EXCEED 1/4 INCH IN 10 FT AND MAXIMUM VARIATION FROM TRUE POSITION SHALL NOT EXCEED 1/4 INCH.
11. IMMEDIATELY AFTER PLACEMENT, PROTECT PAVEMENT FROM PREMATURE DRYING, EXCESSIVE HOT OR COLD TEMPERATURES, AND MECHANICAL INJURY. DO NOT PERMIT PEDESTRIAN TRAFFIC OVER PAVEMENT FOR 7 DAYS MINIMUM AFTER FINISHING.
12. FINISH AS FOLLOWS:
    - A. SIDEWALK PAVING: LIGHT BROOM, TEXTURE PERPENDICULAR TO DIRECTION OF TRAVEL WITH TROWELED AND RADIUSED EDGE 1/2 INCH RADIUS.
    - B. CURBS AND GUTTERS: LIGHT BROOM, TEXTURE PARALLEL TO DIRECTION OF FLOW.
    - C. RETAINING WALLS: SMOOTH RUBBED FINISH. WET CONCRETE AND RUB WITH CARBORUNDUM BRICK OR OTHER ABRASIVE, NOT MORE THAN 24 HOURS AFTER FORM REMOVAL. REPAIR/PLUG SURFACE DEFECTS, INCLUDING TIE HOLES, IMMEDIATELY AFTER REMOVING FORM WORK.
    - D. PLACE CURING COMPOUND ON EXPOSED CONCRETE SURFACES IMMEDIATELY AFTER FINISHING. APPLY IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

LANDSCAPE NOTES:

1. GRASS SEED MIX TO BE USED, 'PRO-TIME #301 WATER SMARTER TALL FESCUE BLEND' (OR APPROVED EQUAL). INSTALL PER MANUFACTURER RECOMMENDATIONS. CONTACT PRO-TIME AT (503) 239-7518 FOR ALL INFORMATION. APPLICATION RATE OF 8 POUNDS PER 1000 SQUARE FEET UNLESS OTHERWISE NOTED.
2. DO NOT PERFORM WORK WHEN SOIL IS SATURATED. IF SOIL IS EXTREMELY DRY, WATER FOR AN HOUR THE DAY PRIOR TO COMMENCING WORK. DO NOT PERFORM WORK WHEN TEMPERATURES ARE OVER 90 DEGREES OR UNDER 60 DEGREES (DAYTIME).
3. WHERE SOD HAS BEEN COMPLETELY REMOVED TO FACILITATE NEW IMPROVEMENTS, FILL IN WITH TOPSOIL LEVEL WITH ADJACENT CONDITION AND TAMP DOWN LIGHTLY.
4. WHERE SOD HAS NOT BEEN REMOVED, BUT IS BARE OR COMPACTED, RAKE OUT THATCH AND SCARIFY TO 1" DEPTH WITH A LAWN SCARIFIER OR HARD RAKE.
5. AT BARE AREAS, INCORPORATE 1" OF COMPOST INTO TOP 2" OF TOP SOIL AND TAMP LIGHTLY. WHERE TURF ALREADY EXISTS, APPLY 1" OF COMPOST ON TOP OF IT AND TAMP LIGHTLY.
6. DISTRIBUTE SEED WITH A BROADCAST SPREADER FOR ANY AREAS OVER 10 SQUARE FEET. DISTRIBUTE SEED BY HAND FOR SMALLER AREAS. SEE GRASS SEED MIX NOTE FOR APPLICATION RATE.
7. AFTER BROADCASTING SEED, APPLY 1/8" OF GRASS STRAW MULCH (OR APPROVED EQUAL), AVAILABLE AT PRO-TIME (503) 239-7518. APPLY BY HAND OR WITH A MESH SPREADER FOR LARGER AREAS.
8. CORDON OFF THE NEWLY SEEDED AREA WITH 18" STAKES AND STRING FOR AT LEAST 30 DAYS.
9. HAND WATER TO KEEP THE AREA MOIST BUT WITHOUT PUDDLES UNTIL THE NEW TURF IS ESTABLISHED. DO NOT ENTER THE CORDONED OFF AREA, WATER FROM OUTSIDE THE STRING LINE. WATER ACCORDING TO THE FOLLOWING SCHEDULE:
    - FOR THE FIRST 2 WEEKS: WATER 5-10 MINUTES BOTH MORNING AND EVENING, IF IT IS HOT WEATHER/FULL SUN. WATER ONCE A DAY IF WEATHER IS COOL AND/OR LOCATION IS SHADY.
    - FOR THE NEXT 3 MONTHS: WATER EVERY 1-2 DAYS IF WEATHER IS HOT, EVERY THIRD DAY IF WEATHER IS COOL. AVOID OVERWATERING OR WATERING TOO FAST AS THE SEED WILL DRIFT, CLUMP, AND LEAVE BARE SPOTS.
10. ONCE ROOTS HAVE BEEN ESTABLISHED (±1 MONTH), FERTILIZE WITH A SLOW RELEASE ORGANIC TURF FERTILIZER PER MANUFACTURER SPECIFICATIONS.
11. DO NOT REMOVE CORDON FENCE OR MOW GRASS UNTIL GRASS BLADES ARE 3-4" TALL.

ZCS ENGINEERING ARCHITECTURE

BANDON SCHOOL DISTRICT #54
455 9TH STREET SW
BANDON, OR 97411

BANDON SCHOOL DISTRICT NEW BUS BARN

BANDON SCHOOL DISTRICT #54

PRELIMINARY NOT FOR CONSTRUCTION

REVISION ID.	DATE

PROJECT NO:	2-15232
DRAWN:	KAK
CHECKED:	JGG
DATE:	11-07-23

GENERAL CIVIL NOTES

C0.01

ONE INCH EQUALS FULL SCALE

STOCKPILE MANAGEMENT:

STOCKPILE MANAGEMENT PROCEDURES AND PRACTICES ARE DESIGNED TO REDUCE OR ELIMINATE AIR AND STORM WATER POLLUTION FROM STOCKPILES OF SOIL, SAND, AND PAVING MATERIALS SUCH AS PORTLAND CEMENT CONCRETE (PCC) RUBBLE, ASPHALT CONCRETE (AC), ASPHALT CONCRETE RUBBLE, AGGREGATE BASE, AGGREGATE SUB-BASE OR PRE-MIXED AGGREGATE, ASPHALT BINDER (SO CALLED "COLD MIX" ASPHALT) AND PRESSURE TREATED WOOD.

ALL STOCKPILES:

- IF FEASIBLE, LOCATE STOCKPILES A MINIMUM OF 50 FEET AWAY FROM INLETS, DRAINAGE COURSES, OR WATER BODIES.
- KEEP STOCKPILES ORGANIZED AND SURROUNDING AREAS CLEAN.
- PROTECT STORM DRAIN INLETS, DRAINAGE COURSES, AND RECEIVING WATERS FROM STOCKPILES USING DRAIN INLET PROTECTION AND PERIMETER SEDIMENT CONTROLS AS APPROPRIATE.
- IMPLEMENT DUST CONTROL PRACTICES AS APPROPRIATE TO PREVENT WIND EROSION OF STOCKPILED MATERIAL.
- TEMPORARY STOCKPILES NOT REMOVED OR USED BY THE END OF ONE WORKDAY MUST BE MANAGED IN ACCORDANCE WITH THIS BMP AND IN ALL CASES PROTECTED PRIOR TO RAINFALL.

STOCKPILES OF SOIL, PORTLAND CEMENT, SAND, MULCH, CONCRETE RUBBLE, ASPHALT CONCRETE, ASPHALT CONCRETE RUBBLE, AGGREGATE BASE, OR AGGREGATE SUB-BASE:

- PROTECT STOCKPILES WITH A PERIMETER SEDIMENT BARRIER SUCH AS BERMS, SEDIMENT FENCES, FIBER ROLLS, SANDBAGS, BAGS, OR STRAW BALE BARRIERS WEAR BOUND.
- STOCKPILES SHOULD ADDITIONALLY BE COVERED OR STABILIZED AS NECESSARY DURING SIGNIFICANT FORECASTED STORM EVENTS (> 0.25 INCHES), PROLONGED PERIODS OF RAIN, AND TO PROTECT FROM WIND EROSION.
- SOIL STOCKPILES MAY BE RETURNED TO THE EXCAVATION IF RAIN IS FORECAST.
- TOPSOIL STOCKPILES SHOULD BE LOW IN HEIGHT (IDEALLY <1 METER) AND FLAT AND BE USED WITHIN 6 MONTHS TO PROMOTE HEALTHY SOIL ORGANISMS AND MICROBES. STOCKPILED NOT USED WITHIN 6 MONTHS SHOULD BE RESEEDED WITH A SPECIES THAT IS MYCORRHIZAL DEPENDENT TO AVOID THE DEVELOPMENT OF ANAEROBIC CONDITIONS IN THE STOCKPILE. IN ADDITION, TOPSOIL STOCKPILES CAN BE TURNED PERIODICALLY TO KEEP ORGANISMS ALIVE FOR LARGER STOCKPILES AND DURING EXTREMELY HOT WEATHER.

STOCKPILES OF "COLD MIX" OR OTHER POLLUTANTS EASILY TRANSPORTED IN STORM WATER (CEMENT, LIME, AND OTHER CAUSTIC AMENDMENTS):

- STOCKPILES SHALL BE PLACED ON PLASTIC OR COMPARABLE MATERIAL AT ALL TIMES.
- STOCKPILES SHALL BE COVERED WITH PLASTIC OR COMPARABLE MATERIAL PRIOR TO THE ONSET OF SIGNIFICANT RAIN (>0.10 INCHES).

BAGGED MATERIALS:

- BAGGED MATERIALS SHALL BE PLACED ON PALLETS AT ALL TIMES AND UNDER COVER (PLASTIC SHEETING, INDOORS, ETC.) PRIOR TO THE ONSET OF SIGNIFICANT RAIN (>0.10 INCHES).
- STOCKPILES/STORAGE OF PRESSURE TREATED WOOD WITH COPPER, CHROMIUM, AND ARSENIC OR AMMONIACAL COPPER, ZINC, AND ARSENATE:
- "STOCKPILES" OF TREATED WOOD SHALL BE COVERED WITH PLASTIC OR COMPARABLE MATERIAL PRIOR TO THE ONSET OF SIGNIFICANT RAIN (>0.25 INCHES).

INSPECTION AND MAINTENANCE:

- INSPECT STOCKPILES REGULARLY AND REPAIR AND/OR REPLACE COVERS AND PERIMETER CONTROLS AS NEEDED.

DUST CONTROL NOTES:

THE GENERAL CONTRACTOR SHALL PROVIDE EXTRA MEASURES FOR DUST CONTROL. DUST CONTROL MEASURES MUST BE IMPLEMENTED TO PREVENT THE SOIL AND ATTACHED POLLUTANTS FROM LEAVING THE SITE. EXTRA MEASURES SHALL BE TAKEN WHERE EXPOSED SOIL IS LIKELY TO BE TRANSPORTED INTO OPEN BODIES OF WATER.

ACCEPTABLE DUST CONTROL MEASURES ARE AS FOLLOWS:

- WATERING
- VEGETATION
- SPRAY-ON ADHESIVES

IF VEGETATION IS THE METHOD TO BE USED:
THE GENERAL CONTRACTOR SHALL NOT CLEAR AND GRUB AREAS NOT DIRECTLY AFFECTED BY THE CURRENT CONSTRUCTION. LEAVE ALL EXISTING VEGETATION IN PLACE AS TO PREVENT EROSION OF THE EXISTING SOIL BY WIND.

IF SPRAY-ON ADHESIVE IS THE METHOD TO BE USED:

TYPE OF EMULSION	WATER DILUTION	NOZZLE TYPE	APPLY (gal/acre)
ANIONIC ASPHALT	7:1	CONICE SPRAY	1,200
LATEX	10:1	FINE SPRAY	230
RESIN-IN-WATER	4:1	FINE SPRAY	300

SEEDING REQUIREMENTS:

TEMPORARY AND PERMANENT SEED MIX OF RESTORATION AND EROSION CONTROL AREAS SHALL BE HYDROSEEDED PER THE FOLLOWING:

1. SEED MIXTURE SHALL BE "SUNMARK SEEDS - NATIVE DIE MIX" OR ENGINEER APPROVED EQUAL, CONSISTING OF THE FOLLOWING SPECIFICATIONS:
   - 40% MEADOW BARLEY
   - 35% CALIFORNIA BROME
   - 20% NATIVE RED FESCUE
   - 3% TUFTED HAIRGRASS
   - 2% SPIKE BENTGRASS
2. SEED SHALL BE APPLIED AT A RATE OF 40 POUNDS PER ACRE.
3. APPLY SEED TO ALL DISTURBED SURFACES PER THE ABOVE NOTES TO PROVIDE PERMANENT COVER. PROVIDE ADEQUATE MEASURES TO PREVENT EROSION & DOWNSTREAM SEDIMENT TRANSFER UNTIL PERMANENT COVER IS ESTABLISHED.

EROSION CONTROL INSPECTION AND MAINTENANCE:

1. ALL INSPECTIONS (SITE CONDITIONS AND FREQUENCIES) SHALL CONFORM TO THE "INSPECTION FREQUENCY TABLE" ON THIS SHEET.
2. NEWLY SEEDED AREAS SHALL BE INSPECTED FREQUENTLY TO ENSURE THE GRASS IS GROWING. PROVIDE TEMPORARY IRRIGATION AS REQUIRED TO GERMINATE & ESTABLISH SEED. SEE SEEDING REQUIREMENTS FOR ADDITIONAL INFORMATION TYPICAL.
3. IF SEEDED AREAS ARE DAMAGED DUE TO RUNOFF, ADDITIONAL BMP's MAY BE NEEDED. RE-SEED DAMAGED AREAS IMMEDIATELY. SEE SEEDING REQUIREMENTS FOR ADDITIONAL INFORMATION TYPICAL.
4. REFER TO CURRENT OREGON APWA STANDARD SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

CONCRETE MANAGEMENT:

CONCRETE TRUCKS AND TRANSFER CHUTES SHALL BE WASHED-OUT ON-SITE UTILIZING A CONCRETE WASHOUT TO COLLECT ALL WASH WATER AND CONCRETE WASTE. THE WASHOUT AREA WILL BE LOCATED AWAY FROM STORM DRAINS, OPEN DITCHES OR WATER BODIES. SIGNS WILL BE POSTED THROUGHOUT THE JOBSITE, DIRECTING CREWS AND CONCRETE TRUCKS TO CONCRETE WASHOUTS. UPON COMPLETION OF THE CONCRETE WORK, THE CONTRACTOR SHALL BREAK UP, REMOVE, AND HAUL AWAY OR REUSE ON SITE SOLID CONCRETE THAT HAS ACCUMULATED IN THE WASHOUT.

CONSTRUCTION SPECIFICATIONS:

MATERIAL USE:

- INSTALL STORM DRAIN PROTECTION AT ANY DOWN-GRADIENT INLETS THAT MAY BE IMPACTED BY THE ACTIVITY. SEE THE BMP ON "STORM DRAIN INLET PROTECTION."
- DO NOT PLACE CONCRETE DURING RAIN (PRECIPITATION THAT IS SUFFICIENT TO CAUSE LOCAL RUNOFF) OR WITHIN 16 HOURS OF FORECASTED RAIN.
- PLACE STOPPERS ON CONCRETE TRUCK CHUTES DURING TRAVEL ONSITE TO MANAGE POTENTIAL DRIBBLING OF CONCRETE MATERIAL.
- MINIMIZE AMOUNT OF CURING COMPOUND AND FORM OIL USED AND DO NOT OVERSPRAY ONTO A NON-TARGET SURFACE.
- SANDBLASTING: USE SHROUDS WHERE NECESSARY TO CONTAIN WASTE FROM SANDBLASTING. CONDUCT WORK IN ACCORDANCE WITH APPLICABLE AIR QUALITY STANDARDS. COLLECT AND DISPOSE DEBRIS FOR PROPER DISPOSAL ASAP AND PRIOR TO RAIN EVENTS.
- MINIMIZE THE AMOUNT OF WATER USED DURING CORING/DRILLING OR SAW CUTTING. DURING WET CORING OR SAW CUTTING, USE A SHOVEL OR WET VACUUM TO LIFT THE COOLING WATER / SLURRY FROM THE PAVEMENT. ADDITIONALLY, IF WET VACUUMING IS NOT ADEQUATE TO CAPTURE WASTEWATER FROM THE ACTIVITY, SAND BAG BARRIERS ON OTHER CONTAINMENT SHALL BE USED.
- IF CONCRETE RESIDUE REMAINS AFTER DRYING, THE AREA SHALL BE SWEPT UP AND RESIDUE REMOVED TO AVOID CONTACT WITH STORM WATER OR ENTERING A STORM DRAIN OR WATER BODY VIA THE WIND.
- THE SWEEPINGS SHALL BE COLLECTED AND RETURNED TO THE AGGREGATE STOCKPILE OR DISPOSED IN THE TRASH AND NOT WASHED INTO THE STREET OR STORM DRAIN.
- WASHING OF FRESH CONCRETE SHALL BE AVOIDED, UNLESS RUNOFF CAN BE DRAINED TO A SERVED OR LEVEL AREA, AWAY FROM STORM DRAIN INLETS AND CHANNELS.
- ACID WASHING OF CONCRETE SHALL BE MINIMIZED. WHERE REQUIRED, ACID WASH SHALL BE DIRECTED INTO A COLLECTION AREA LINED WITH VISQUEEN. RESIDUALS SHALL BE COLLECTED AND PROPERLY DISPOSED OF AS HAZARDOUS WASTE.
- HANDLING OF WET CONCRETE, SUCH AS MOVING A PUMPER CHUTE OR TRANSPORTING MATERIAL IN A WHEELBARROW FROM THE DELIVERY TRUCK, MUST BE PERFORMED IN A CONTROLLED MANNER TO PREVENT DRIPS AND SPILLS OUTSIDE THE TARGET POUR AREA. MINIMIZE WATER USE.
- CONCRETE DRIPS, SPILLS, OVER POURS, AND EQUIPMENT RINSE WATER LANDING ON RAIN-EXPOSED OUTSIDE OF ANY BMP DEVICE MUST BE COLLECTED AND HAVE THE SURFACE CLEANED AND WASTE DISPOSED OF PROPERLY PRIOR TO THE END OF THE WORKDAY OR BEFORE THE NEXT RAIN EVENT. CONCRETE-LADEN EQUIPMENT IMPLEMENTS (E.G., CRANE BUCKETS) MUST BE STORED ON TOP OF HEAVY MIL PLASTIC UNTIL DRY. USED FORMS THAT ARE NOT IMMEDIATELY PLACED INTO A HAUL TRUCK WHEN REMOVED FROM FOUNDATIONS MUST ALSO BE TEMPORARILY STAGED OVER PLASTIC SHEETING OR AN EQUIVALENT UNTIL RINSED, WIPED, OR DRIED OR UNTIL HAULED OFFSITE.

WASTE MANAGEMENT:

- **DO NOT CONTAMINATE CONCRETE RESIDUE OR PARTICULATE MATTER INTO A STORM DRAIN INLET OR WATERCOURSE.**
- EXCESS CONCRETE SHALL NOT BE DUMPED ON-SITE.
  THE FOLLOWING OPTIONS SHALL BE USED FOR CONCRETE TRUCK CHUTE AND/OR PUMP AND HOSE WASHOUT:

  CONCRETE WASHOUTS: WASHOUT STATIONS CAN BE A PLASTIC LINED TEMPORARY PIT OR BERMED AREA DESIGNED WITH SUFFICIENT VOLUME TO COMPLETELY CONTAIN ALL LIQUID AND WASTE CONCRETE MATERIALS PLUS ENOUGH CAPACITY FOR EVAPORATION. THE DESIGNATED AREA SHALL BE LOCATED AWAY FROM STORM DRAIN INLETS, OR WATERCOURSES. NEW WASHOUTS SHALL BE CONSTRUCTED AS NEEDED TO PROVIDE SUFFICIENT WASHOUT CAPACITY ONSITE. WASTES OTHER THAN CONCRETE (I.E., TRASH, PAINT WASTES ETC.) SHALL NOT BE DISPOSED OF IN THE WASHOUT.

INSPECTION AND MAINTENANCE:

- RESPONSIBLE PERSONNEL SHALL ENSURE THAT ALL CONCRETE TRUCK DRIVERS ARE INSTRUCTED ABOUT PROJECT PRACTICES WHEN THE TRUCKS ARRIVE ON SITE.
- CLEAN OUT DESIGNATED WASHOUT AREAS AS NEEDED OR AT A MINIMUM WHEN THE WASHOUT IS 75 PERCENT FULL TO MAINTAIN SUFFICIENT CAPACITY THROUGHOUT THE PROJECT DURATION.
- ANY DESIGNATED ONSITE WASHOUT AREAS SHALL BE CLEANED OUT AND ALL DEBRIS REMOVED UPON PROJECT COMPLETION. DISPOSE OF CONCRETE WASTE ACCORDING TO THE BMP ON "SOLID WASTE MANAGEMENT."
  INSPECT ROUTINELY, WHEN APPLICABLE ACTIVITIES ARE UNDERWAY TO ENSURE THAT CONCRETE WASHOUT DOES NOT OVERFLOW AND THAT FREESOARD IS ADEQUATE TO CONTAIN CONCRETE AND RAIN.

PAVING OPERATIONS MANAGEMENT:

IN ORDER TO REDUCE THE POTENTIAL FOR THE TRANSPORT OF POLLUTANTS IN STORM WATER RUNOFF FROM PAVING OPERATIONS, PAVING SHALL NOT TAKE PLACE WITHIN 72 HOURS OF A PREDICTED SIGNIFICANT (>0.10") STORM EVENT. IF PAVING DOES OCCUR WITHIN 72 HOURS OF A SIGNIFICANT STORM EVENT, CATCH BASIN FILTERS OR OTHER APPROPRIATE BMPS SHALL BE UTILIZED TO TRAP HYDROCARBONS.

CONSTRUCTION SPECIFICATIONS:

- PROTECT STORM DRAIN INLETS NEAR WORK AND DOWN GRADIENT OF WORK AREAS DURING SAW CUTTING, PAVING, OR GRINDING OPERATIONS.
- SAW-CUT SLURRY SHALL BE SHOVELED, VACUUMED AND REMOVED FROM SITE.
- PAVING MATERIALS AND MACHINERY SHALL BE STORED AWAY FROM STORM DRAINS AND WATER BODIES AND SECONDARY CONTAINMENT WILL BE USED TO CATCH DRIPS. LEAKS ON SPILLS WHERE APPLICABLE.
- IF ONSITE MIXING IS PLANNED THEN AN AREA SHALL BE DESIGNED FOR CONDUCTING THE MIXING. THIS AREA SHALL BE PAVED OR MADE IMPERVIOUS (E.G., PLASTIC OR WOOD SHEETING) AND BE LOCATED AWAY FROM STORM DRAIN INLETS OR WATERCOURSES.
- MINIMIZE OVERSPRAY OF TACKIFYING EMULSIONS OR PLACEMENT OF OTHER PAVING MATERIALS BEYOND THE LIMITS OF THE AREA TO BE PAVED.
- USE DRY METHODS TO CLEAN EQUIPMENT AND CONDUCT CLEANING IN ACCORDANCE WITH THE BMP ON "VEHICLE AND EQUIPMENT CLEANING."
- MATERIAL USE AND STOCKPILES SHALL BE MANAGED IN ACCORDANCE WITH BMPS ON "MATERIAL USE" AND "STOCKPILE MANAGEMENT."
- COLLECT AND REMOVE ALL BROKEN ASPHALT AND CONCRETE OR EXCESS MATERIALS. RECYCLE WHEN FEASIBLE AND DISPOSE OF MATERIALS IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS.
- DO NOT APPLY ASPHALT, CONCRETE PAVING, SEAL COAT, TACK COAT, SLURRY SEAL OR FOG SEAL IF RAIN IS EXPECTED DURING THE APPLICATION OR CURING PERIOD.
- AVOID IF POSSIBLE, TRANSFERRING, LOADING, OR UNLOADING PAVING MATERIALS NEAR STORM DRAIN INLETS OR WATERCOURSES. IF NOT POSSIBLE, USE BMP ON STORM DRAIN INLET PROTECTION.

INSPECTION AND MAINTENANCE:

- INSPECT AND MAINTAIN EQUIPMENT AND MACHINERY ROUTINELY TO MINIMIZE LEAKS AND DRIPS.
- INSPECT INLET PROTECTION MEASURES ROUTINELY.

SPILL PREVENTION AND CONTROL PROCEDURES:

CONSTRUCTION SPECIFICATIONS:

- THE CONTRACTOR SHALL PREPARE A SITE/PROJECT SPECIFIC SPILL RESPONSE PLAN THAT IDENTIFIES THE TYPE AND LOCATION OF PRODUCTS OR WASTES ON THE SITE WITH SPILL POTENTIAL, THE LOCATION OF SPILL CLEANUP MATERIALS, STORM DRAINS OR SENSITIVE AREAS THAT REQUIRE IMMEDIATE RESPONSE, PERSONNEL RESPONSIBLE FOR SPILL RESPONSE AND NOTIFICATIONS, AND SPILL CLEANUP PROCEDURES.
- AVOIDING SPILLS AND LEAKS IS PREFERABLE TO CLEANING THEM UP AFTER THEY OCCUR. HEAVY EQUIPMENT (E.G., BULLDOZERS AND OTHER GRADING EQUIPMENT) AND VEHICLES SHOULD BE INSPECTED DAILY (OR AS OFTEN AS POSSIBLE) FOR LEAKS AND SHOULD BE REPAIRED AS NECESSARY. USE SECONDARY CONTAINMENT AND DRIP PANS FOR VEHICLE FUELING, MAINTENANCE, AND STORAGE (SEE BMP FOR "VEHICLE AND EQUIPMENT FUELING, MAINTENANCE, AND STORAGE."
- DESPITE PRECAUTIONS, SPILLS MAY STILL OCCUR AT THE SITE. SPILLS (OF LIQUID OR DRY MATERIALS) SHOULD NEVER BE CLEANED UP BY HOSING OFF THE AREA. IN THE EVENT THAT SPILLS OCCUR THEY SHOULD BE CONTROLLED AS FOLLOWS:
- ANY FUEL PRODUCTS, LUBRICATING FLUIDS, GREASE OR OTHER PRODUCTS AND/OR WASTE RELEASED FROM VEHICLES, EQUIPMENT, OR OPERATIONS SHALL BE COLLECTED AND DISPOSED OF IN ACCORDANCE WITH STATE, FEDERAL AND LOCAL LAWS.
- IF THE SPILL HAS OCCURRED DURING A RAIN EVENT, THE AREA WILL BE COVERED AS QUICKLY AS POSSIBLE. THE SPILL WILL BE CLEANED UP AS SOON AS POSSIBLE DURING OR AFTER CESSATION OF RAIN.
- SPILL CLEANUP MATERIALS WILL BE STORED NEAR POTENTIAL SPILL AREAS (E.G., PAINTING, VEHICLE MAINTENANCE AREAS).
- *MINOR SPILLS:* MINOR SPILLS TYPICALLY INVOLVE SMALL QUANTITIES OF OIL, GASOLINE, PAINT, ETC. THAT CAN BE CONTROLLED BY THE FIRST RESPONDER AT THE DISCOVERY OF THE SPILL. CONTROL OF MINOR SPILLS INVOLVES:
  1. CONTAIN THE SPILL IMMEDIATELY.
  2. RECOVER SPILLED MATERIALS (IF POSSIBLE).
  3. CLEAN THE CONTAMINATED AREA AND DISPOSE OF CONTAMINATED MATERIALS.

MEDIUM-SIZED SPILLS:

- MEDIUM-SIZED SPILLS STILL CAN BE CONTROLLED BY THE FIRST RESPONDER ALONG WITH THE AID OF OTHER PERSONNEL SUCH AS LABORERS, FOREMEN, ETC. THIS RESPONSE MAY REQUIRE THE CESSATION OF OTHER ACTIVITIES. SPILLS SHOULD BE CLEANED UP IMMEDIATELY, AS FOLLOWS:
  1. NOTIFY THE PROJECT FOREMAN IMMEDIATELY. THE FOREMAN/SUPERINTENDENT IS RESPONSIBLE FOR ANY NECESSARY NOTIFICATIONS (FIRE DEPARTMENT ETC.).
  2. CONTAIN THE SPREAD OF THE SPILL (USING SAND BAGS OR OTHER BARRIERS) IMMEDIATELY.
  3. IF THE SPILL HAS OCCURRED ON A PAVED OR IMPERMEABLE SURFACE, CLEAN IT UP USING DRY METHODS (ABSORBENT MATERIALS, KITTY LITTER, AND/OR RAGS). CONTAIN THE SPILL BY ENCIRCLING IT WITH ABSORBENT MATERIALS.
  4. IF THE SPILL HAS OCCURRED ON AN UNPAVED OR PERMEABLE SURFACE, IMMEDIATELY CONTAIN THE SPILL BY CONSTRUCTING AN EARTHEN DIKE. DIG UP AND PROPERLY DISPOSE OF CONTAMINATED SOIL.
  5. IF THE SPILL HAS OCCURRED DURING A RAIN EVENT, COVER/CONTAIN THE AREA IF POSSIBLE.

SIGNIFICANT/HAZARDOUS SPILLS:

- FOR LARGE SPILLS OR SPILLS INVOLVING HAZARDOUS MATERIALS THAT CANNOT BE CONTROLLED BY PROJECT PERSONNEL, THE FOLLOWING STEPS SHOULD BE TAKEN:
  1. THE FOREMAN SHOULD NOTIFY THE PROJECT SUPERINTENDENT IMMEDIATELY AND FOLLOW UP WITH A WRITTEN INCIDENT REPORT.
  2. THE PROJECT SUPERINTENDENT WILL NOTIFY LOCAL EMERGENCY RESPONSE PERSONNEL BY DIALING 911. IN ADDITION, THE PROJECT SUPERINTENDENT WILL NOTIFY THE APPROPRIATE COUNTY OFFICIALS. IT IS THE PROJECT SUPERINTENDENT'S RESPONSIBILITY TO HAVE ALL OF THE EMERGENCY PHONE NUMBERS AT THE CONSTRUCTION SITE.
  3. THE PROJECT SUPERINTENDENT WILL ALSO NOTIFY THE OREGON DEQ.
  4. FOR SPILLS OF FEDERAL REPORTABLE QUANTITY (AS ESTABLISHED UNDER 40 CFR PARTS 110, 117, OR 302), THE PROJECT SUPERINTENDENT WILL NOTIFY THE NATIONAL RESPONSE CENTER BY TELEPHONE AT (800) 424-8802 WITHIN 24 HOURS. WITHIN 14 DAYS, THE PROJECT SUPERINTENDENT WILL SUBMIT A WRITTEN DESCRIPTION OF THE RELEASE TO EPA REGION 10, INCLUDING THE DATE AND CIRCUMSTANCES OF THE INCIDENT AND STEPS TAKEN TO PREVENT ANOTHER RELEASE.
  5. RETAIN THE SERVICES OF A SPILL CLEANUP CONTRACTOR OR HAZMAT TEAM IMMEDIATELY. CONSTRUCTION PERSONNEL SHOULD NOT ATTEMPT TO CLEAN UP THE SPILL UNTIL THE APPROPRIATE AND QUALIFIED STAFF HAS ARRIVED AT THE SITE.
  6. OTHER AGENCIES THAT MAY NEED TO BE CONTACTED INCLUDE THE LOCAL FIRE DEPARTMENT, OREGON DEPARTMENT OF TRANSPORTATION, ETC.

INSPECTION AND MAINTENANCE:

- INSPECT WORK AND MATERIAL STORAGE AREAS ROUTINELY FOR ADEQUATE CONTAINMENT TO AVOID UNCONTROLLED RELEASES.

FINAL EROSION CONTROL SITE PREPARATION:

ALL DISTURBED SOIL AREAS, INCLUDING R.O.W. SHALL BE TREATED AND SEEDED PER THE FOLLOWING NOTES. SEED COMPOSITION SHALL CONSIST OF A NATIVE GRASS BLEND MATCHING SURROUNDING AREA. GRASS SEED MIXTURE TO BE SUBMITTED FOR REVIEW PRIOR TO APPLICATION.

1. ALL FINAL GRADE PREPARATION AND PLANTING/SEEDING SHALL BE COORDINATED WITH THE PROJECT LANDSCAPER AND ENGINEER AT TIME OF CONSTRUCTION.
2. BRING ALL PLANTER/SEED/SODDED AREAS TO FINAL GRADE. REMOVE ALL ROCKS AND DEBRIS, AND SMOOTH SURFACE UNDULATIONS LARGER THAN 2 INCHES.
3. DIVERT CONCENTRATED FLOWS AWAY FROM THE PLANTER/SEEDED AREAS.
4. FOR OPTIMUM PLANTING/SEEDING CONDITIONS PRESERVE TOPSOIL AND STOCKPILE MATERIAL UNTIL FINAL GRADES ARE ESTABLISHED. SPREAD TOP SOIL OVER NEW GRADES. SEE PROJECT LANDSCAPER FOR ADDITIONAL INFORMATION RELATED TO TOPSOIL REQUIREMENTS.
5. ROUGHEN THE SOIL BY HARROWING, TRACKING, GROOVING OR FURROWING.
6. THE SEEDBED SHOULD BE FIRM BUT NOT COMPACT. THE TOP 4.0-6.0 INCHES OF SOIL SHOULD BE LOOSE, MOIST AND FREE OF LARGE CLODS AND STONES. VERIFY TOPSOIL REQUIREMENTS WITH LANDSCAPER AT TIME OF CONSTRUCTION.
7. HARROWING, TRACKING OR FURROWING SHOULD BE DONE HORIZONTALLY ACROSS THE FACE OF THE SLOPE, SO RIDGES ARE ALONG THE SLOPE CONTOUR.
8. APPLY SEED AT THE RATES SPECIFIED BY SEED SUPPLIER USING CALIBRATED SEED SPREADERS, CYCLONE SEEDERS, MECHANICAL DRILLS, OR HYDROSEEDER SO THAT SEED IS APPLIED UNIFORMLY ON THE SITE. SEE SEEDING REQUIREMENTS FOR ADDITIONAL INFORMATION TYPICAL.
9. BROADCAST SEED SHOULD BE INCORPORATED INTO THE SOIL BY RAKING OR CHAIN DRAGGING AND THEN LIGHTLY COMPACTED TO PROVIDE GOOD SEED-SOIL CONTACT. SEE SEEDING REQUIREMENTS FOR ADDITIONAL INFORMATION TYPICAL.
10. TO PREVENT SEED FROM BEING WASHED AWAY, CONFIRM INSTALLATION OF ALL REQUIRED SURFACE WATER CONTROL MEASURES.
11. DOUBLE THE RATE OF SEED APPLICATION WHEN SEED IS APPLIED IN A SINGLE APPLICATION. SEE SEEDING REQUIREMENTS FOR ADDITIONAL INFORMATION TYPICAL.

DEWATERING AND PONDED WATER MANAGEMENT:

DEWATERING AND PONDED WATER MANAGEMENT APPLIES TO AREAS WHERE STORM WATER HAS COLLECTED IN LOW SPOTS, TRENCHES OR OTHER DEPRESSIONS AND NEEDS TO BE REMOVED TO PROCEED WITH CONSTRUCTION ACTIVITIES OR FOR VECTOR CONTROL. ALL DEWATERING DISCHARGE ACTIVITIES MUST BE CONDUCTED IN ACCORDANCE WITH LOCAL AGENCY (I.E., LOCAL SEWERAGE AGENCY OR OTHER APPLICABLE AGENCY) PERMIT REQUIREMENTS.

CONSTRUCTION SPECIFICATIONS:

- PONDED STORM WATER SHALL BE SETTLED OR FILTERED FOR SEDIMENT REMOVAL PRIOR TO DISCHARGE.
- WATER FROM TRENCH OR EXCAVATION DEWATERING SHALL BE TESTED IF REQUIRED BY APPLICABLE PERMITS AND DISCHARGED IN ACCORDANCE WITH PERMIT PROVISIONS.
- FOR CLEAN PONDED STORM WATER, DEWATERING DISCHARGES (WITHOUT PERMIT REQUIREMENTS), AND AUTHORIZED NON-STORM WATER DISCHARGES, USE ONE OF THE FOLLOWING METHODS FOR DISCHARGE / DISPOSAL AS ALLOWABLE BY LOCAL REQUIREMENTS / AGENCIES AND APPROVED BY THE PROJECT SUPERINTENDENT. WATER SHALL BE CLEAN AND FREE OF SIGNIFICANT SEDIMENT, SURFACTANTS, OR OTHER POLLUTANTS.
- REDUCE SEDIMENT DISCHARGE BY PUMPING WATER FROM THE TOP OF PONDED AREAS USING A FLOATING OR RAISED HOSE.
- USE WATER WHERE POSSIBLE FOR CONSTRUCTION ACTIVITIES SUCH AS COMPACTION AND DUST CONTROL AND LANDSCAPE IRRIGATION. IF USED FOR THESE APPLICATIONS, ENSURE THAT THE WATER WILL INFILTRATE AND NOT RUNOFF FROM THE LAND TO STORM DRAIN SYSTEMS TO CREEK BEDS (EVEN IF DRY) OR TO RECEIVING WATERS.
- INFILTRATE TO AN APPROPRIATE LANDSCAPED, VEGETATED OR SOIL AREA. NOTE: INFILTRATION MAY BE PROHIBITED IN ACCORDANCE WITH LOCAL REQUIREMENTS.
- DISCHARGE TO AN ON-SITE TEMPORARY SEDIMENT POND.
- DISCHARGE TO THE STORM DRAIN SYSTEM. WATER FROM DEWATERING MUST NOT CONTAIN SIGNIFICANT SEDIMENTS OR OTHER POLLUTANTS AND DISCHARGE MUST BE IN ACCORDANCE WITH LOCAL PERMITS.
- IF A PERMIT IS REQUIRED, PROVIDE TEMPORARY ONSITE STORAGE (BAKER TANKS, ETC.) OF WATER REMOVED FROM TRENCHES, EXCAVATIONS, ETC., UNTIL A PERMIT TO DISCHARGE IS OBTAINED.
- IF A PERMIT IS OBTAINED FOR DISCHARGE TO A STORM DRAIN OR SANITARY SEWER SYSTEM, CONDUCT ALL DEWATERING DISCHARGE ACTIVITIES IN ACCORDANCE WITH PERMIT REQUIREMENTS.

INSPECTION AND MAINTENANCE:

- INSPECT PUMPS, HOSES AND ALL EQUIPMENT BEFORE USE. MONITOR DEWATERING OPERATIONS TO ENSURE IT DOES NOT CAUSE OFFSITE DISCHARGE OR EROSION.
- INSPECT ROUTINELY, WHEN APPLICABLE ACTIVITIES ARE UNDER WAY.

VEHICLE AND EQUIPMENT FUELING, MAINTENANCE, AND STORAGE MANAGEMENT:

VEHICLES AND HEAVY MACHINERY ARE A POTENTIAL SOURCE OF POLLUTANTS SUCH AS PETROLEUM PRODUCTS, ANTIFREEZE, AND EXHAUST AND WASTE OIL CONTAINING HEAVY METALS. POLLUTANTS MAY ENTER STORM WATER RUNOFF BY MEANS OF DIRECT CONTACT WITH MACHINE PARTS AND BY CONTACT WITH SPILLS ON SURFACES AND THE GROUND. THE FOLLOWING CONTROL MEASURES CAN HELP PREVENT CONTACT OF THESE POTENTIAL POLLUTANTS WITH STORM WATER AND GROUND SURFACES.

CONSTRUCTION SPECIFICATIONS:

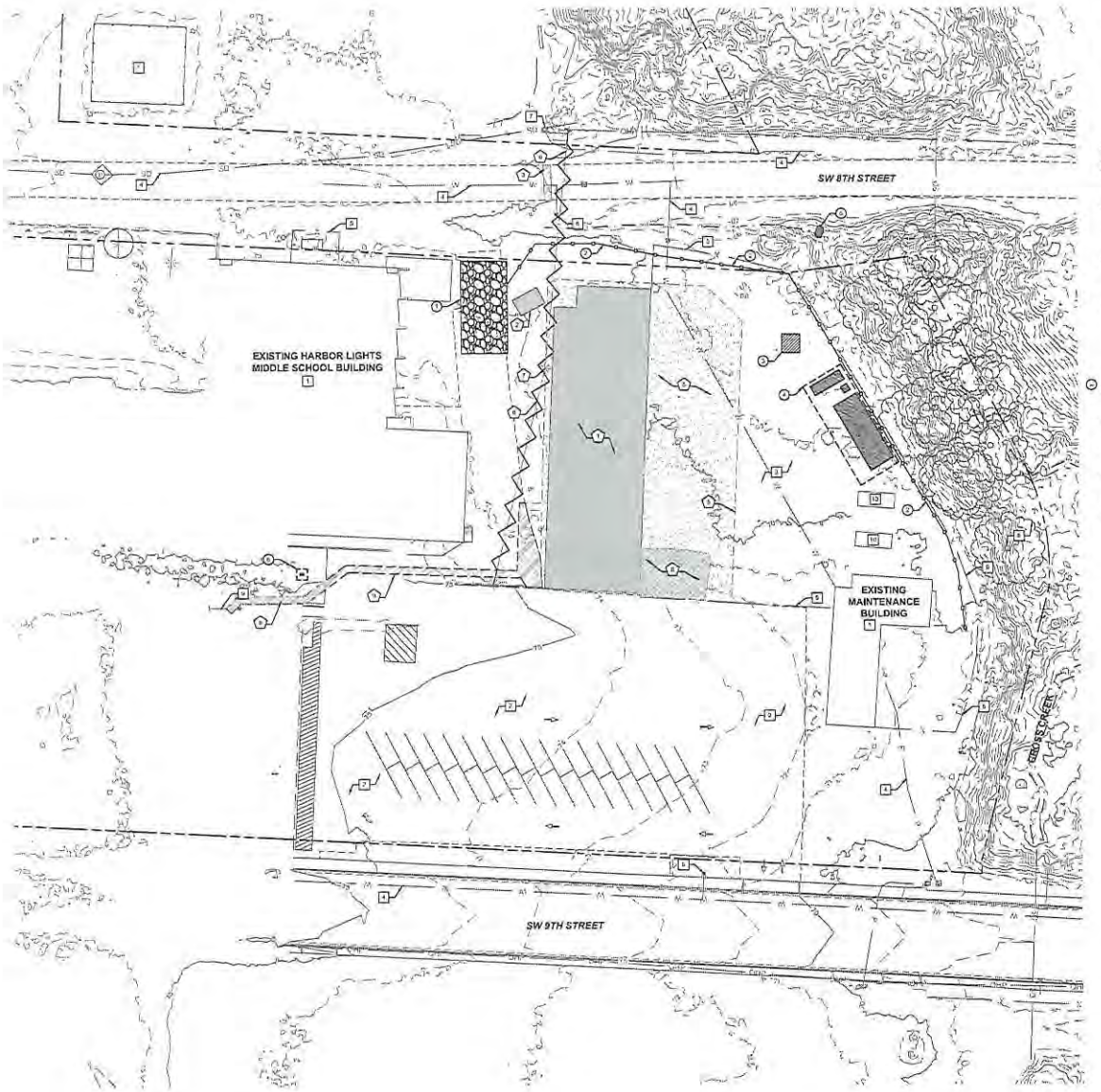
FUELING - ON SITE VEHICLE AND EQUIPMENT FUELING SHOULD ONLY BE USED WHERE IT IS IMPRACTICAL TO SEND VEHICLES AND EQUIPMENT OFFSITE FOR FUELING. WHEN FUELING MUST OCCUR ON SITE, THE CONTRACTOR SHALL SELECT AND DESIGNATE AN AREA TO BE USED, SUBJECT TO APPROVAL. VEHICLE AND EQUIPMENT FUELING (INCLUDING FUELING OF HANDHELD EQUIPMENT) SHALL BE CONDUCTED IN ACCORDANCE WITH THE FOLLOWING:

- AWAY FROM STORM DRAIN INLETS, DRAINAGE FACILITIES, OR WATERCOURSES,
- ON A PAVED SURFACE WHERE PRACTICAL,
- WITHIN A BERMED AREA TO PREVENT RUN-ON, RUNOFF, AND TO CONTAIN SPILLS.
- STORE PORTABLE FUEL CONTAINERS FOR HAND HELD EQUIPMENT IN A TUB OR EQUIVALENT DEVICE TO AVOID SPILLS AND LEAKS.
- USE SECONDARY CONTAINMENT TECHNIQUES FOR FUELING OF HANDHELD OR PORTABLE EQUIPMENT, SUCH AS DRAIN PANS OR DROP CLOTHS TO CATCH SPILLS OR LEAKS.
- ALL FUELING SHALL BE CONDUCTED WITH THE FUELING OPERATOR IN ATTENDANCE AT ALL TIMES.
- USE VAPOR RECOVERY NOZZLES TO HELP CONTROL DRIPS AND REDUCE AIR POLLUTION AND NOZZLES EQUIPPED WITH AUTOMATIC SHUTOFF FEATURES TO PREVENT OVERTOPPING FUEL TANK.
- SIGNADE THAT FUEL TANKS SHOULD NOT BE "TOPPED OFF."
- AN ADEQUATE SUPPLY OF SPILL CLEAN UP MATERIALS SHALL BE READILY ACCESSIBLE TO ALL FUELING ACTIVITIES.

MAINTENANCE - MAINTENANCE OF LARGE EQUIPMENT SHALL BE CONDUCTED WITHIN DESIGNATED MAINTENANCE YARDS IN ORDER TO ENABLE CAREFUL MANAGEMENT. DURING MINOR ROUTINE MAINTENANCE, DRIP PANS SHALL BE PLACED UNDER VEHICLES AND EQUIPMENT. ALL ON SITE VEHICLES SHALL BE MONITORED FOR LEAKS AND SHALL RECEIVE PREVENTIVE MAINTENANCE TO REDUCE LEAKAGE.

ONLY NECESSARY MAINTENANCE REQUIRED FOR THE PROPER FUNCTIONING OF HANDHELD EQUIPMENT AND PORTABLE GENERATORS/COMPRESSORS IS ALLOWED ONSITE. DROP CLOTHES, TRAYS OR AN EQUIVALENT METHOD SHALL BE USED UNDERNEATH HANDHELD AND PORTABLE EQUIPMENT TO AVOID LEAKING FLUIDS, FUELS, OILS, OR GREASE ONTO THE GROUND. DO NOT OVERSPRAY AEROSOLS TO THE GROUND OR OTHER RAIN-EXPOSED SURFACES. CLEAN UP SPILLS IMMEDIATELY AND DISPOSE OF WASTE PROPERLY.

FUEL AND VEHICLE STORAGE - FUEL STORAGE SHALL BE CONDUCTED IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS AND IN ACCORDANCE WITH THE BMP FOR "HAZARDOUS MATERIALS AND WASTE MANAGEMENT." VEHICLES AND EQUIPMENT SHALL BE STORED IN DESIGNATED, BERMED VEHICLE STORAGE AREAS (SUCH AS DEDICATED STORAGE AREAS OR FUELING AND MAINTENANCE AREAS) WHEN POSSIBLE, OR OFF-OF PAVED AREAS TO THE EXTENT PRACTICAL. DURING LONG PERIODS (TYPICALLY MORE THAN ONE MONTH) OF STORAGE, AND WHEN OTHERWISE NECESSARY DRI



1 C1.00 EXISTING CONDITIONS, DEMOLITION, AND EROSION AND SEDIMENT CONTROL PLAN

1"=30'

EROSION CONTROL LEGEND

- TEMPORARY CONSTRUCTION ENTRANCE
- CONCRETE TRUCK WASH OUT PER ODOT RD1070
- SEDIMENT FENCE
- STRAW WATTLE
- INLET PROTECTION - CATCH BASIN

EROSION CONTROL NOTES:

GENERAL EROSION CONTROL NOTES:

***ALL EROSION AND SEDIMENT CONTROL MEASURES ON SLOPES, AND AT CULVERT INLETS/OUTLETS SHALL REMAIN IN PLACE UNTIL ALL PHASES OF CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED.

***ALL NEW STORM DRAIN SYSTEM CATCH BASINS AND INLETS SHALL HAVE INLET PROTECTION INSTALLED PER ODOT STANDARD DRAWING RD1010 AFTER INSTALLATION AND SHALL REMAIN IN PLACE UNTIL ALL CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED AND ASPHALT/CONCRETE/LANDSCAPING HAS BEEN INSTALLED.

***THESE REQUIREMENTS SHALL BE CONSIDERED A MINIMUM. THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL MEASURES AS REQUIRED TO FACILITATE CONSTRUCTION. ALL COSTS FOR EROSION CONTROL MEASURES SHALL BE BORN BY THE CONTRACTOR.

***THIS PLAN HAS BEEN PREPARED TO ADDRESS THE OVERALL PRIMARY EROSION CONTROL MEASURES THAT MUST BE IMPLEMENTED FOR CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ADJUST SPECIFIC EROSION CONTROL MEASURES TO ACCOMMODATE FOR ADDITIONAL PHASED CONSTRUCTION. ANY MODIFICATIONS TO THIS PLAN SHALL BE REVIEWED AND APPROVED BY THE AGENCIES HAVING JURISDICTION AND THE PROJECT ENGINEER PRIOR TO COMMENCEMENT OF WORK.

EROSION AND SEDIMENT CONTROL NOTES:

1. FURNISH AND MAINTAIN 25' WIDE BY 50' LONG CONSTRUCTION ENTRANCE PER ODOT RD1000.
2. FURNISH AND MAINTAIN PERIMETER SEDIMENT FENCE AS SHOWN PER ODOT RD1040.
3. FURNISH AND MAINTAIN CONCRETE TRUCK WASH OUT PER ODOT RD1070.
4. APPROXIMATE LOCATION OF CONTRACTOR LAYDOWN, TRAILER, AND PARKING.
5. FURNISH AND MAINTAIN STRAW WATTLE AS SHOWN PER ODOT 1000.
6. FURNISH AND MAINTAIN TYPE 2 INLET PROTECTION PER ODOT RD1010 AT ALL ON-SITE CATCH BASINS.

DEMOLITION LEGEND:

- EXISTING STRUCTURE TO BE REMOVED
- EXISTING ASPHALT PAVING TO BE REMOVED AND RECYCLED
- EXISTING CONCRETE TO BE REMOVED AND RECYCLED
- EXISTING GRAVEL PAVING TO BE REMOVED AND RECYCLED
- EXISTING UTILITY TO REMAIN
- EXISTING UTILITY LINE TO BE REMOVED
- EXISTING GROUND CONTOUR (1 FT)
- EXISTING GROUND CONTOUR (5 FT)
- EXISTING TREE TO REMAIN
- EXISTING STRUCTURE TO REMAIN

DEMOLITION AND PROTECTION NOTES:

GENERAL DEMOLITION AND PROTECTION NOTES:

*** CONTRACTOR SHALL FIELD VERIFY LIMITS OF ASPHALT/CONCRETE/ETC. DEMOLITION AND ADJUST AS REQUIRED.

*** PROVIDE SMOOTH VERTICAL SAWCUT AT ALL EXTERIOR LIMITS OF ASPHALT/CONCRETE/ETC. REMOVAL.

*** UPON MOBILIZATION, CONTRACTOR SHALL POTHOLE EXISTING BURIED UTILITIES AND STRUCTURES (AS INDICATED) TO VERIFY HORIZONTAL AND VERTICAL ALIGNMENT, SIZE, AND MATERIAL.

*** CONTRACTOR SHALL REPORT TO ENGINEER FOR DIRECTION IN EVENT OF DISCREPANCIES BETWEEN PLANS AND FIELD CONDITIONS.

*** CONTRACTOR SHALL COORDINATE VEHICULAR AND PEDESTRIAN ACCESS REQUIREMENTS WITH OWNER PRIOR TO CONSTRUCTION.

*** CONTRACTOR SHALL COORDINATE UTILITY SHUTOFF(S) WITH OWNER AND UTILITY PROVIDER 48 HOURS MINIMUM PRIOR TO CONSTRUCTION TO ENSURE MINIMAL SERVICE DISRUPTION DURING OPERATION HOURS.

*** CONTRACTOR SHALL STORE SALVAGED MATERIALS ON SITE (OR AT AN APPROVED OFF SITE LOCATION) FOR REUSE.

*** WHERE INDICATED, EXISTING STRUCTURES, HARDSCAPE, AND UTILITIES/APPURTENANCES SHALL BE PROTECTED THROUGHOUT ALL PHASES OF CONSTRUCTION.

DEMOLITION NOTES:

1. APPROXIMATE LIMITS OF EXISTING STRUCTURE TO BE REMOVED. REFER TO ARCHITECTURAL AND STRUCTURAL PLANS FOR ALL INFORMATION.
2. TRASH AND RECYCLING BINS TO BE RELOCATED. COORDINATE TEMPORARY PLACEMENT AND ACCESS WITH DISTRICT AND TRASH SERVICE DURING CONSTRUCTION.
3. PUBLIC ASPHALT PAVING TO BE REMOVED AND RECYCLED.
4. NOT USED.
5. GRAVEL PAVING TO BE REMOVED AND RECYCLED AS REQUIRED. CONTRACTOR MAY ELECT TO STORE GRAVEL ON SITE FOR REUSE IF SUITABLE MATERIAL. DASHED LINE DENOTES APPROXIMATE LIMITS.
6. EXISTING UTILITY LINE TO BE REMOVED AND REROUTED. SEE SHEET C3.00 FOR ADDITIONAL INFORMATION.
7. SITE LIGHT, POLE, AND ASSOCIATED OVERHEAD POWER SERVICE TO BE RELOCATED.
8. PRIVATE CONCRETE SIDEWALK TO BE REMOVED AND RECYCLED.
9. PRIVATE ASPHALT PAVING TO BE REMOVED AND RECYCLED.

PROTECTION NOTES:

1. BUILDING TO REMAIN.
2. ASPHALT PARKING AND MANEUVERING AREA TO REMAIN.
3. GRAVEL PARKING AND MANEUVERING AREA TO REMAIN.
4. UNDERGROUND UTILITY TO REMAIN, TYPICAL.
5. FENCING, POSTS, AND GATE(S) TO REMAIN.
6. PUBLIC FIRE HYDRANT AND BOLLARD PROTECTION TO REMAIN.
7. PAD MOUNTED POWER TRANSFORMER TO REMAIN.
8. TREE TO REMAIN, TYPICAL.
9. APPROXIMATE LOCATION OF EXISTING SANITARY SEWER.
10. TEMPORARY STORAGE CONTAINER.

30 0 15 30 60

(FEET)

1 INCH = 30 FT

ZCS ENGINEERING ARCHITECTURE
327 NW G Street, Grants Pass, Oregon 97526 | 541-476-0261

BANDON SCHOOL DISTRICT #54
455 9TH STREET SW
BANDON, OR 97411

BANDON SCHOOL DISTRICT NEW BUS BARN

BANDON SCHOOL DISTRICT #54

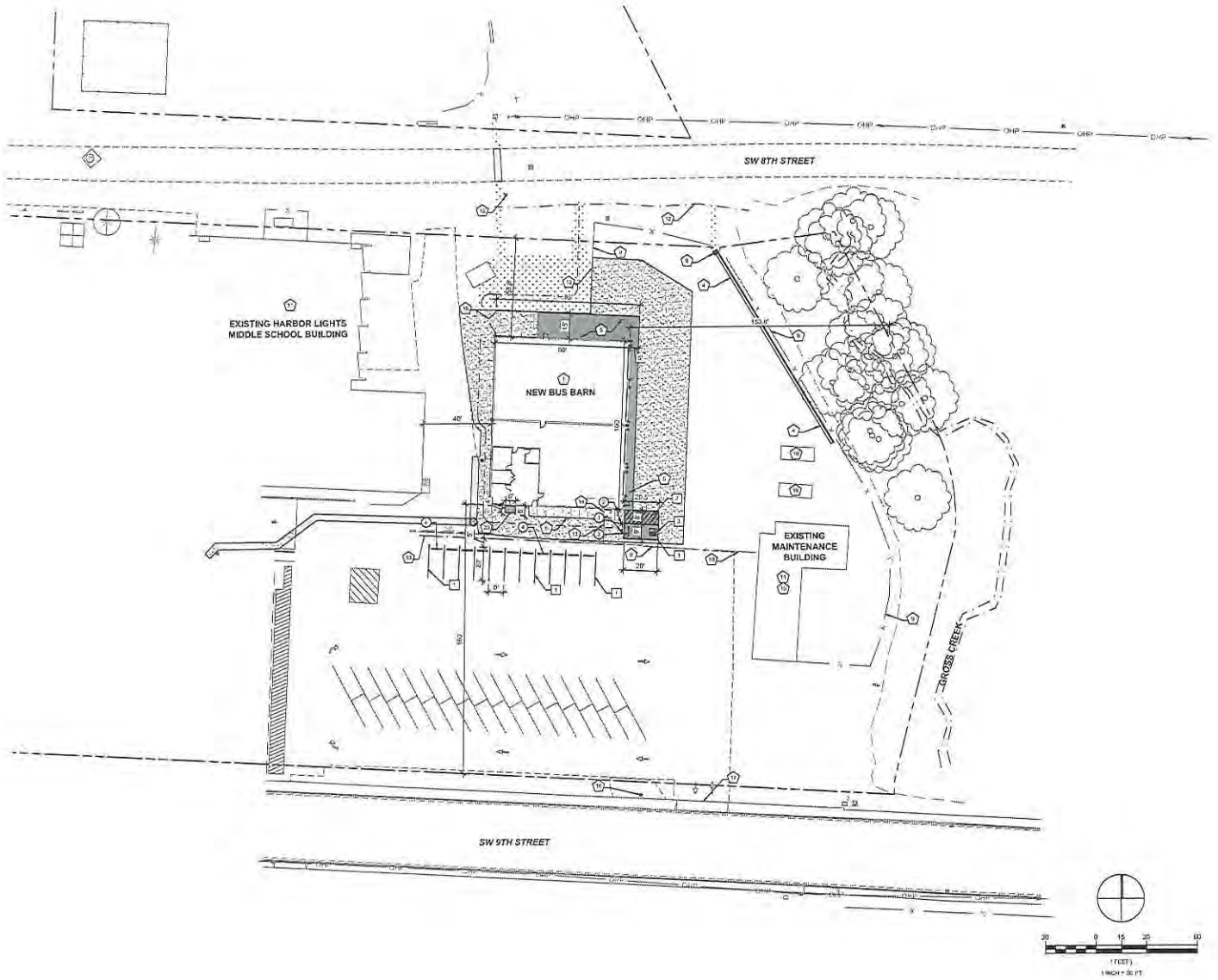
REGISTERED PROFESSIONAL ENGINEER
OREGON
JULY 15, 2003
LEE G. GOSSELIN
PRELIMINARY NOT FOR CONSTRUCTION
EXPIRES: 12-31-23

REVISION ID	DATE

PROJECT NO.	G-1523-22
DRAWN	KAR
CHECKED	LGG
DATE	11-07-23

EXISTING CONDITIONS, DEMOLITION, AND ESC PLAN

C1.00



1 C2.00 CIVIL SITE, FENCING, STRIPING AND SIGNAGE PLAN

1"=30'

CIVIL SITE NOTES:

GENERAL SITE CONSTRUCTION NOTES:

***ALL CONCRETE/ASPHALT/GRAVEL PAVEMENT SECTIONS SHALL BE CONSTRUCTED OVER 'PROPEX' 'GEOTEX 206ST' WOVEN | 'GEOTEX 651' NON-WOVEN PERMEABLE GEOTEXTILE SUPPORT FABRIC OVER HARD AND UNYIELDING SUBGRADE. REFER TO PROJECT GEOTECHNICAL REPORT AND SITE PREPARATION NOTES FOR ADDITIONAL INFORMATION REGARDING PAVEMENT AND SUBGRADE PREPARATION.

***CONTRACTOR SHALL FIELD VERIFY LIMITS OF REQUIRED ASPHALT MAINTENANCE AND ADJUST AS REQUIRED. COORDINATE LIMITS WITH ENGINEER AND OWNER DURING CONSTRUCTION.

***TRANSITION BETWEEN NEW AND EXISTING ASPHALT/CONCRETE/CURB SHALL BE FLUSH AND FREE FROM ABRUPT CHANGES IN HEIGHT.

***STAIRS AND ACCESSIBLE RAMPS SHALL BE CONSTRUCTED IN CONFORMANCE WITH CURRENT OSSC STANDARDS. RAMP SLOPES SHALL NOT EXCEED 8.33% WITH LANDINGS NOT TO EXCEED 2.0%.

***PROVIDE SUBMITTALS TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ORDERING MATERIALS.

SITE CONSTRUCTION NOTES:

1. NEW BUS BARN. REFER TO ARCHITECTURAL PLANS FOR ALL INFORMATION.
2. NOT USED.
3. NEW GRAVEL PARKING AND MANEUVERING AREA. REFER TO SHEET C3.00 FOR ADDITIONAL INFORMATION.
4. NEW TYPE 'A' CONCRETE CURB AND GUTTER. REFER TO SHEET C3.00 FOR ADDITIONAL INFORMATION.
5. NEW REINFORCED VEHICULAR CONCRETE PAVEMENT. REFER TO SHEET C3.00 FOR ADDITIONAL INFORMATION.
6. NEW CONCRETE SIDEWALK. REFER TO SHEET C3.00 FOR ADDITIONAL INFORMATION.
7. NOT USED.
8. NEW CATCH BASIN. SEE SHEET C3.00 FOR ADDITIONAL INFORMATION.
9. EXISTING FENCING TO REMAIN.
10. EXISTING 20' WIDE SLIDING GATE TO REMAIN.
11. EXISTING BUILDING. NO WORK IN THIS AREA.
12. EXISTING ROADSIDE BIOSWALE TO REMAIN.
13. FURNISH 6' TALL CHAIN LINK FENCE TO ALIGNMENT SHOWN ON PLAN. FENCE FINISH SHALL BE GALVANIZED TO MATCH EXISTING FENCING, AS APPLICABLE.
    - SCHEDULE 40 PIPE
    - 1-5/8"Ø TOP/BOTTOM RAILS, BRACING, AND GATE FRAMES
    - 2-3/8"Ø LINE POSTS
    - 2-7/8"Ø CORNER AND TERMINAL POSTS
    - EOUIP POSTS WITH LIKE KIND TOP CAP
    - 4"Ø ON GATE LEAFS EXCEEDING 8' WIDE
    - 9 GA. CORE EXTRUDED CHAIN LINK FABRIC (4' HIGH 2" MESH OR 6' HIGH 2" MESH AS APPLICABLE)
    - KNUCKLE SELVAGE TERMINATION OF MESH FABRIC
    - 7 GA. TOP, BOTTOM, CORNER, TERMINAL POST, MID BRACING AND TRUSS ROD
    - POSTS SETS IN CONCRETE 12"Ø X 2' DEEP.
14. FURNISH 4' WIDE CHAIN LINK MAN GATE AT LOCATION SHOWN.
15. FURNISH (2) 6' WIDE CHAIN LINK DOUBLE SWING VEHICLE GATE AT LOCATION SHOWN.
16. EXISTING FIRE HYDRANT TO REMAIN.
17. EXISTING 30' WIDE CONCRETE DRIVEWAY APPROACH TO REMAIN.
18. EXISTING TEMPORARY STORAGE CONTAINERS TO REMAIN.
19. ALL RESTROOM FACILITIES SHALL BE REMOVED AND SANITARY SEWER LINES SHALL BE REMOVED OR SEALED WITH WATER TIGHT PLUG.
20. NEW HOUSEKEEPING PAD. SEE SHEET C3.00 FOR ADDITIONAL INFORMATION.

STRIPING AND SIGNAGE NOTES:

GENERAL STRIPING AND SIGNAGE NOTES:

***ALL STANDARD ON-SITE PAINTED STRIPING SHALL BE FAST DRYING "TRAFFIC LINE PAINT" CONFORMING TO THE 2021 STATE OF OREGON APWA / ODOT STANDARD SPECIFICATIONS FOR CONSTRUCTION. ALL STRIPING SHALL BE APPLIED TWICE.

***ALL STRIPING, SIGNS, LETTERS, AND ARROWS SHALL CONFORM TO THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (MUTCD).

***ALL ACCESSIBLE PARKING STRIPING AND SIGNAGE SHALL COMPLY WITH CURRENT ADA STANDARDS FOR ACCESSIBLE DESIGN.

***PROVIDE SUBMITTALS FOR ALL SIGNS AND PARKING BUMPERS TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ORDERING MATERIALS.

STRIPING NOTES:

1. PAINT 4" SOLID WHITE STRIPING ANGLED AT 90° FROM PARALLEL, TYPICAL.
2. PAINT 4" SOLID WHITE STRIPING ROTATED AT 30° FROM PARALLEL SPACED 2' ON CENTER, TYPICAL.
3. PAINT BLUE AND WHITE ACCESSIBLE SYMBOL IN PARKING SPACES AS SHOWN PER CURRENT ADA STANDARDS FOR ACCESSIBLE DESIGN (1 TOTAL) SIMILAR TO DETAIL 1 ON C4.00.

SIGNAGE NOTES:

1. FURNISH ACCESSIBLE PARKING SIGN WITH 'VAN ACCESSIBLE' DESIGNATION (MUTCD R7-8P) (1 TOTAL) SIMILAR TO DETAIL 1 ON SHEET C4.00.
2. FURNISH ACCESSIBLE PARKING 'ACCESS AISLE NO PARKING' SIGN WITH INDICATOR SIGN AS APPLICABLE (1 TOTAL) SIMILAR TO DETAIL 1 ON SHEET C4.00.
3. FURNISH 'BARCO PREMIUM BLUE WHEELSTOP' OR APPROVED EQUAL INSTALLED PER MANUFACTURER INSTALLATION INSTRUCTIONS, TYPICAL (1 TOTAL).
4. FURNISH 'BARCO PREMIUM YELLOW WHEELSTOP' OR APPROVED EQUAL INSTALLED PER MANUFACTURER INSTALLATION INSTRUCTIONS, TYPICAL (11 TOTAL).

ZCS ENGINEERING ARCHITECTURE

127 NW D Street, Grants Pass, Oregon 97526 | 541.476.0261

BANDON SCHOOL DISTRICT #5
455 8TH STREET SW
BANDON, OR 97411

BANDON SCHOOL DISTRICT NEW BUS BARN

BANDON SCHOOL DISTRICT #54

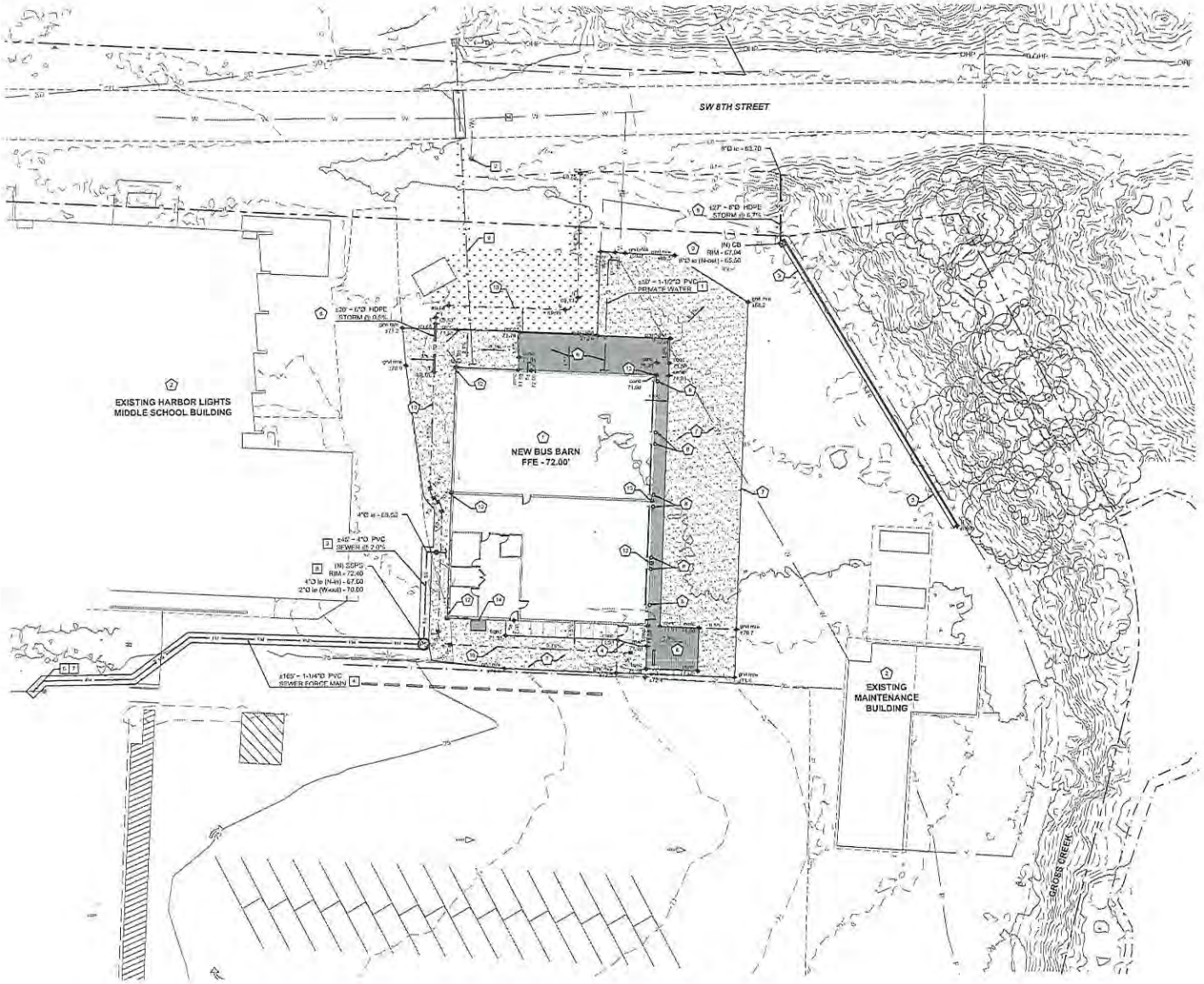
PRELIMINARY NOT FOR CONSTRUCTION
EXPIRES: 12-31-26

REVISION ID:	DATE:

PROJECT NO	5-1-03-02
DRAWN	KAK
CHECKED	LGG
DATE	11-4-25

CIVIL SITE, FENCING, STRIPING, AND SIGNAGE PLAN

C2.00



1 C3.00 GRADING, DRAINAGE, AND UTILITY PLAN

1"=20'

GRADING AND DRAINAGE NOTES:

GENERAL DRAINAGE NOTES:

*** ALL STORM AREA DRAINS AND CATCH BASINS SHALL HAVE A MINIMUM 24" SUMP BELOW THE OUTLET INVERT ELEVATION AND BE EQUIPPED WITH A HOOD AND TRAP.

*** UPON MOBILIZATION CONTRACTOR SHALL POTHOLE TO VERIFY VERTICAL AND HORIZONTAL ALIGNMENT, SIZE, AND MATERIAL OF EXISTING PIPES/STRUCTURES FOR TIE-IN PURPOSES. REPORT TO ENGINEER IN EVENT OF DISCREPANCY.

*** PROVIDE SUBMITTALS TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ORDERING MATERIALS.

SITE CONSTRUCTION NOTES:

1. VERIFY LIMITS OF BUILDING FOOTPRINT WITH ARCHITECTURAL AND STRUCTURAL PLANS PRIOR TO CONSTRUCTION. NOTIFY ENGINEER IN THE EVENT OF DISCREPANCIES.
2. EXISTING BUILDING. NO WORK IN THIS AREA.
3. CONSTRUCT TYPE 'A' CONCRETE CURB AND GUTTER PER DETAIL 3 ON SHEET C4.00.
4. CONSTRUCT NEW 4" THICK UN-REINFORCED CONCRETE SIDEWALK PER DETAIL 2 AND 4 ON SHEET C4.00. SCORING PATTERN APPROXIMATELY AS SHOWN.
5. NOT USED.
6. CONSTRUCT NEW 6" THICK REINFORCED CONCRETE PAVEMENT PER DETAIL 9 ON C4.00. SCORING PATTERN APPROXIMATELY AS SHOWN.
7. APPROXIMATE LIMITS OF NEW GRAVEL PAVING.
8. CONSTRUCT NEW BOLLARD IN APPROXIMATE LOCATION SHOWN PER DETAIL 10 ON SHEET C4.00. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION. BUILDING FOUNDATION IS DESIGN BUILD. CONTRACTOR TO COORDINATE ANY CONFLICT BETWEEN BOLLARD FOOTING AND BUILDING FOUNDATION WITH STRUCTURAL ENGINEER.

DRAINAGE CONSTRUCTION NOTES

9. INSTALL STORM PIPE IN TRENCH PER DETAIL 5 ON SHEET C4.00. STORM PIPE SHALL DRAIN TO EXISTING BIOSWALE.
10. CONSTRUCT 24" SQUARE CONCRETE CATCH BASIN WITH H-20 LOAD RATED FRAME AND BICYCLE PROOF GRATE PER DETAIL 8 ON SHEET C4.00.
11. NEW CONVEYANCE DITCH TO CONNECT TO EXISTING SWALE IN RIGHT-OF-WAY. DITCH SURFACING PER PLAN.
12. CONSTRUCT ROOF DRAIN WITH SPLASH BLOCK. VERIFY LOCATION WITH ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION.
13. CONSTRUCT ROOF DRAIN TO GRADE. VERIFY LOCATION WITH ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION.
14. NEW CONCRETE HOUSEKEEPING PAD PER DETAIL 9 ON SHEET C4.00.

UTILITY NOTES:

WATER

1. INSTALL 1-1/2"Ø ASTM D1785 SCHEDULE 40 PVC DOMESTIC WATER LINE FROM EXISTING WATER SERVICE TO NEW BUS BARN AT ALIGNMENT SHOWN ON PLAN IN TRENCH SIMILAR DETAIL 5 ON SHEET C4.00.
2. EXISTING FIRE HYDRANT TO REMAIN.

SANITARY SEWER

3. INSTALL NEW ASTM D3034 DR35 'PVC' GRAVITY SANITARY SEWER SERVICE WITH TRACER WIRE AND LOCATE TAPE IN TRENCH SIMILAR TO DETAIL 5 ON SHEET C4.00.
4. CONSTRUCT NEW 1-1/4"Ø ASTM D1785 SCHEDULE 40 PVC PRESSURE-RATED SANITARY SEWER GRINDER PUMP DISCHARGE LINE WITH TRACER WIRE AND LOCATE TAPE IN TRENCH SIMILAR TO DETAIL 5 ON SHEET C4.00. ENSURE NO HIGH POINTS OR LOW POINTS ARE CONSTRUCTED BETWEEN THE PUMP DISCHARGE AND THE CHECK VALVE.
5. FURNISH CLEANOUT RISER TO GRADE WITH WORD 'SEWER' CAST INTO LID PER DETAIL 7 ON SHEET C4.00.
6. CONNECT TO EXISTING 6"Ø SANITARY SEWER IN APPROXIMATE LOCATION SHOWN PER DETAIL 11 ON SHEET C4.00.
7. FURNISH NEW SANITARY SEWER PUMP STATION. DESIGN PER SUPPLIER.

POWER AND DATA/COMMUNICATIONS:

8. INSTALL PRIMARY POWER CONDUIT FROM EXISTING TRANSFORMER TO BUILDING IN TRENCH SIMILAR TO DETAIL 6 ON SHEET C4.00.

20 0 10 20 40
(FEET)
1 INCH = 20 FT

ZCS ENGINEERING ARCHITECTURE
127 NW D Street, Grants Pass, Oregon 97526 | 541-479-3461

BANDON SCHOOL DISTRICT #54
455 9TH STREET SW
BANDON, OR 97411

BANDON SCHOOL DISTRICT NEW BUS BARN

BANDON SCHOOL DISTRICT #54

REGISTERED PROFESSIONAL ENGINEER
PRELIMINARY NOT FOR CONSTRUCTION
EXPIRES: 12-31-23

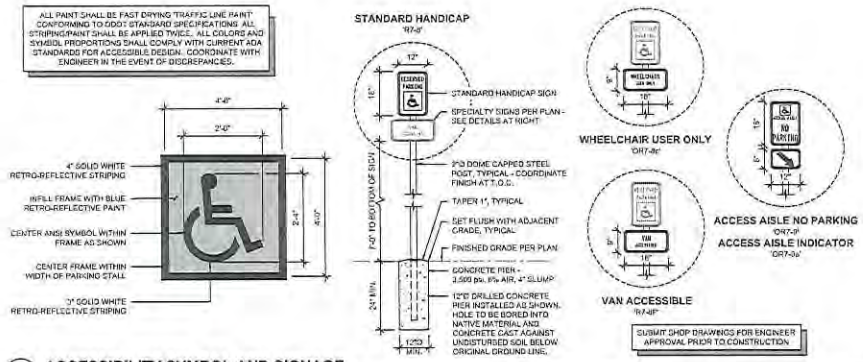
REVISION #	DATE

PROJECT NO:	0410042
DRAWN:	MAK
CHECKED:	LGC
DATE:	11-10-23

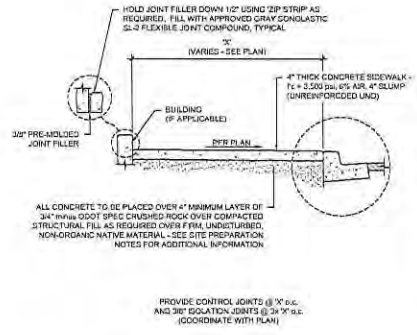
GRADING, DRAINAGE, AND UTILITY PLAN

C3.00

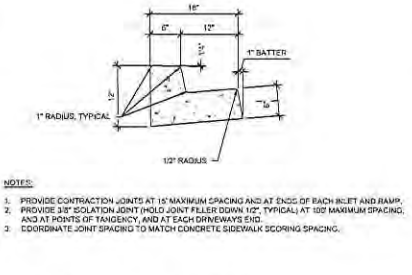
1 INCH EQUALS FULL SCALE



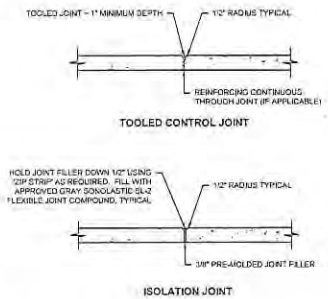
1 C4.00 ACCESSIBILITY SYMBOL AND SIGNAGE — NTS



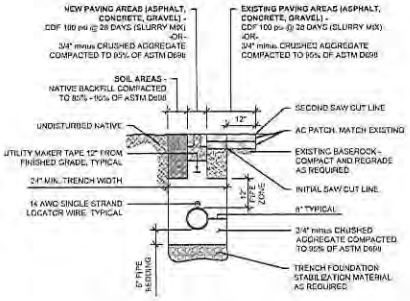
2 C4.00 UNREINFORCED SIDEWALK SECTIONS — 1/2" = 1'



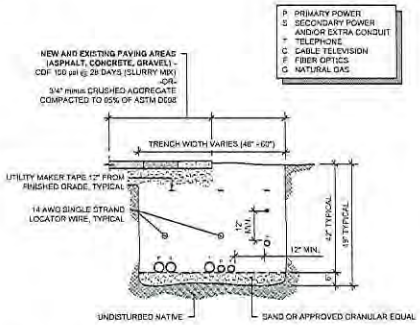
3 C4.00 TYPE 'A' STANDARD CURB AND GUTTER — 1" = 1'



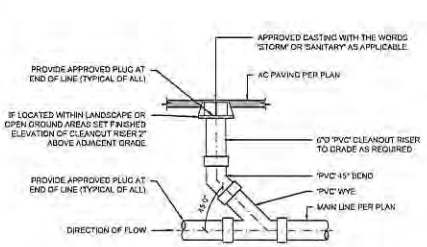
4 C4.00 SIDEWALK JOINTING DETAILS — 3/4" = 1'



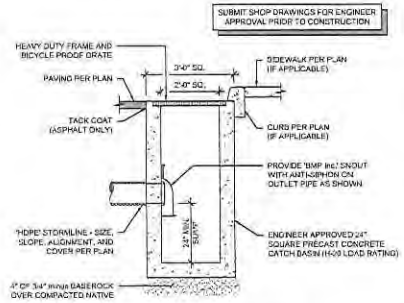
5 C4.00 TYPICAL PRIVATE WET UTILITY TRENCH SECTION — 1/2" = 1'



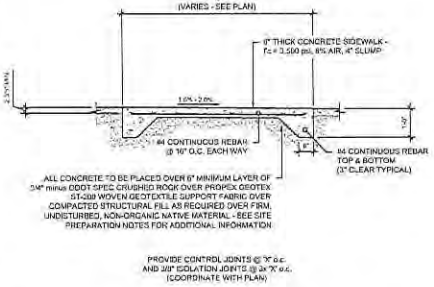
6 C4.00 TYPICAL COMMON DRY UTILITY TRENCH SECTION — 1/2" = 1'



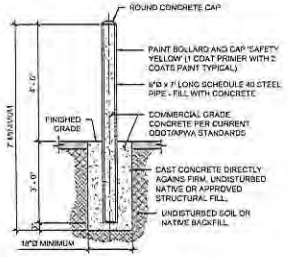
7 C4.00 TYPICAL PRIVATE CLEANOUT TO GRADE — NTS



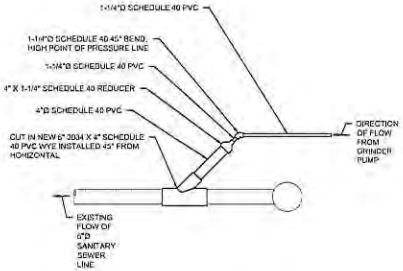
8 C4.00 TYPICAL CONCRETE CATCHBASIN — 1/2" = 1'



9 C4.00 REINFORCED CONCRETE PAVEMENT SECTION — 1/2" = 1'



10 C4.00 STATIONARY BOLLARD DETAIL — NTS



11 C4.00 CONNECTION OF FORCE MAIN TO EXISTING GRAVITY SANITARY SEWER LINE — NTS

ZCS ENGINEERING ARCHITECTURE
537 NW D Street, Grants Pass, Oregon 97526 | 541.476.0820

BANDON SCHOOL DISTRICT #54
455 9TH STREET SW
BANDON, OR 97411

BANDON SCHOOL DISTRICT NEW BUS BARN

BANDON SCHOOL DISTRICT #54

PRELIMINARY NOT FOR CONSTRUCTION
ISSUED: 11-21-23

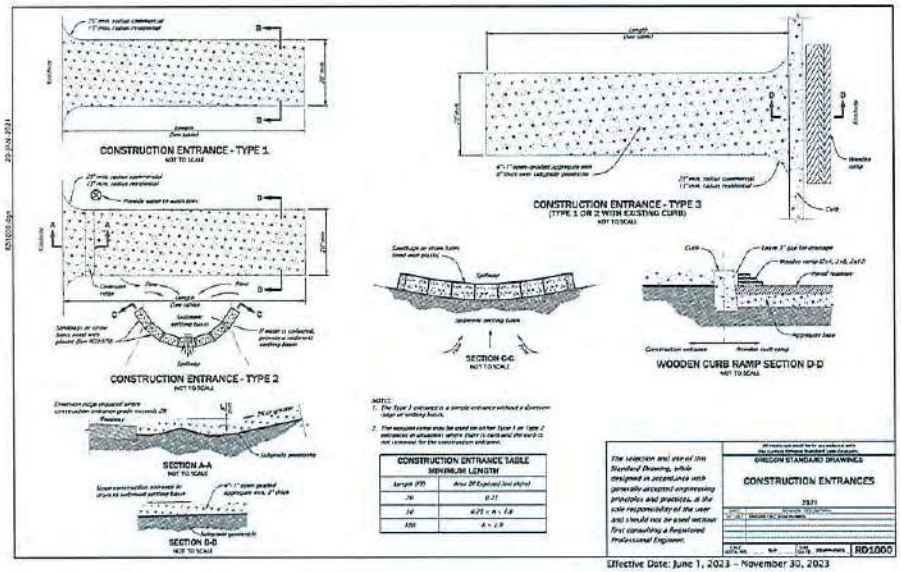
REV/ECON ID	DATE

PROJECT NO:	0413-22
DRAWN:	AAK
CHECKED:	LGG
DATE:	11-07-23

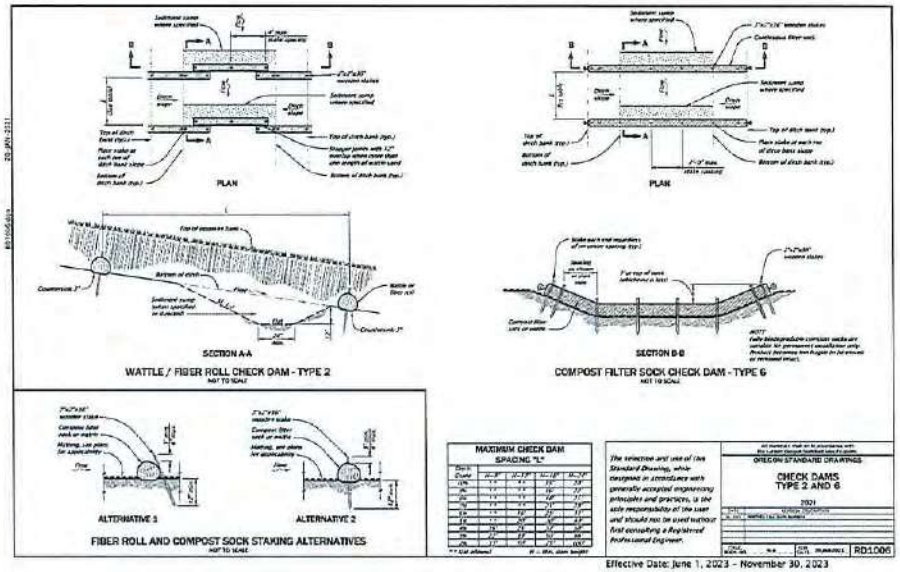
PRIVATE CIVIL DETAILS

C4.00

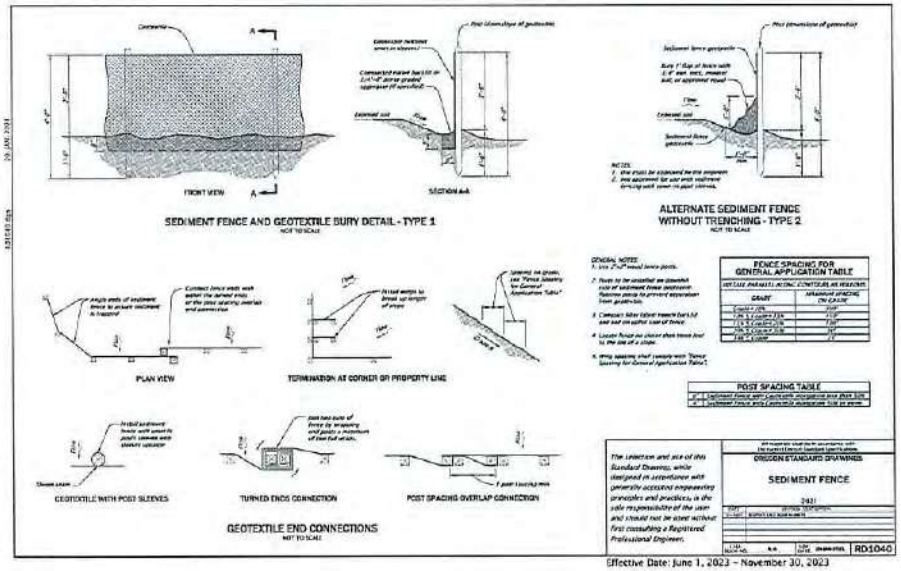
CONTROL ECON (FULL SCALE)



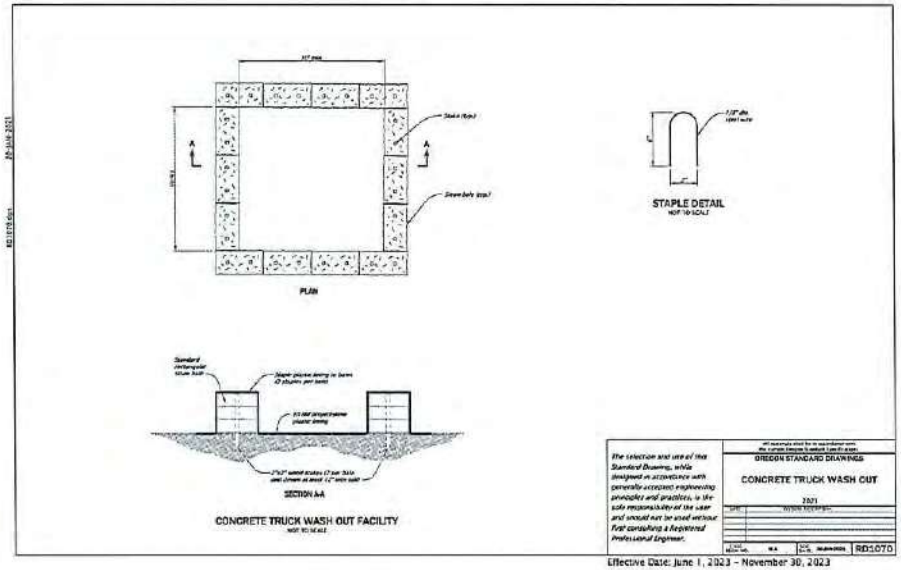
Effective Date: June 1, 2023 - November 30, 2023



Effective Date: June 1, 2023 - November 30, 2023



Effective Date: June 1, 2023 - November 30, 2023



Effective Date: June 1, 2023 - November 30, 2023

ZCS ENGINEERING ARCHITECTURE

BANDON SCHOOL DISTRICT
455 9TH STREET SW
BANDON, OR 97411

BANDON SCHOOL DISTRICT NEW BUS BARN

BANDON SCHOOL DISTRICT 54

REVISION ID	DATE

PROJECT NO: G4530-22
DRAWN: CAK
CHECKED: LGG
DATE: 11-07-23

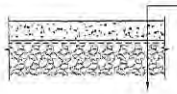
AGENCY STANDARD DETAILS

C5.00

◇ FLOOR ASSEMBLIES

SCALE: 1" = 1'-0"

F1 CONCRETE SLAB

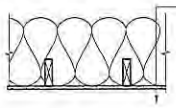


-EXTERIOR-
6" REINF. CONCRETE SLAB BY OTHERS
15 MIL VAPOR BARRIER
AGGREGATE BASE BY OTHERS

◇ CEILING ASSEMBLIES

SCALE: 1" = 1'-0"

C1 CEILING



R-49 BATT INSULATION
2x6 JOISTS @ 24" O.C.
5/8" GYP BD - LEVEL 4 FINISH - PAINTED

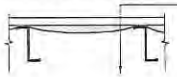
◇ ROOF ASSEMBLIES

SCALE: 1" = 1'-0"

R1 METAL ROOFING

-EXTERIOR-
STANDING SEAM METAL ROOFING
6" Z-PURLINS W/ R-30 MIN. THERMAL BLOCKS
R-19 VINYL FACED BLANKET INSULATION
-INTERIOR-

R2 METAL ROOFING



-EXTERIOR-
STANDING SEAM METAL ROOFING
2" VINYL FACED CONDENSATION BLANKET
6" Z-PURLINS
-INTERIOR-

◇ WALL TYPE LEGEND

SCALE: 1" = 1'-0"

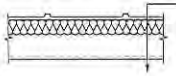
GENERAL WALL TYPE NOTES:

A. PROVIDE BLOCKING AS REQUIRED TO SECURE WALL HUNG COMPONENTS.
B. EXTEND ALL COMPONENTS TO UNDERSIDE OF DECK, U.N.O.
C. PROVIDE "GREEN BOARD" IN ALL WET LOCATIONS ADJACENT TO PLUMBING FIXTURES
D. FOR FIRE RATED ASSEMBLIES REFER TO GA FILE NO. LISTED FOR ADDITIONAL INFORMATION.
E. FOR FIRE RATED WALLS CONTAINING PLYWOOD, INCREASE THE LENGTH OF THE FASTENERS SPECIFIED IN THE GAS FILE NO. BY NOT LESS THAN THE THICKNESS OF THE PLYWOOD.

KEYNOTES:

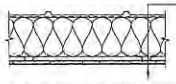
1. PROVIDE FRP1 UP TO 48" A.F.F. ON RESTROOM SIDE
2. PROVIDE FRP2 UP TO 96" A.F.F. ON ROOM #100 SIDE

W1 EXTERIOR WALL



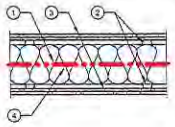
-EXTERIOR-
PRE-FINISHED METAL WALL PANEL
2" VINYL FACED CONDENSATION BLANKET INSULATION
8" Z-GIRT
-INTERIOR-

W2 EXTERIOR WALL



-EXTERIOR-
PRE-FINISHED METAL WALL PANEL
WEATHER BARRIER
R-25 SINGLE LAYER IN CAVITY INSULATION
8" Z-GIRT w/ THERMAL BREAK STRIP ON EXTERIOR FACE
7/8" HAT CHANNEL (30 MIL) @ 24" O.C.
5/8" GYP - LEVEL 4 FINISH - PAINTED
-INTERIOR-

W3 INTERIOR WALL - 2-HOUR FIRE BARRIER UL DESIGN NO. U421



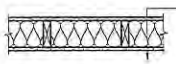
1. GIRTS - "Z" OR "C" SHAPED GIRTS, 0.056 TO 0.120 THICK STEEL, 6" TO 12" DEEP, w/ 2" TO 4" WIDE FLANGES, GIRTS PLACED HORIZONTALLY (WITH FLANGES UP OR DOWN) AND SPACED MAX. 48" O.C. GIRTS ARE SECURED TO COLUMNS OR TO ADJACENT STEEL FRAMING w/ GIRT CLIPS OR BOLTED TO THE COLUMN THROUGH THE GIRT FLANGE.

2. FURRING CHANNELS - HAT SHAPED, MINIMUM 25 MSG GALV. STEEL, APPROXIMATELY 2 5/8" WIDE, 7/8" DEEP, SPACED 24" O.C. INSTALLED PERPENDICULAR TO GIRTS ON BOTH SIDES OF THE WALL. CHANNELS ARE SECURED TO EACH GIRT w/ 3/8" (MIN.) LONG SELF-DRILLING PAN HEAD SHEET STEEL TYPE SCREWS. TWO SCREWS ARE USED AT EACH FASTENING LOCATION, ONE THROUGH EACH LEG OF THE FURRING CHANNEL.

3. GYPSUM BOARD - 5/8" THICK x 48" WIDE TYPE X GYPSUM BOARD APPLIED HORIZONTALLY OR VERTICALLY. FIRST LAYER ATTACHED TO FURRING CHANNELS USING 1" LONG TYPE S BUGLE HEAD GYPSUM BOARD SCREWS SPACED 24" O.C. VERTICALLY AND HORIZONTALLY. SECOND LAYER ATTACHED TO FURRING CHANNELS USING 1 5/8" LONG TYPE S BUGLE HEAD GYPSUM BOARD SCREWS SPACED 12" O.C. VERTICALLY AND 24" O.C. HORIZONTALLY.

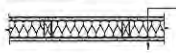
4. R-25 BATT INSULATION

W4 INTERIOR WALL



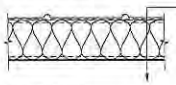
5/8" GYP - LEVEL 4 FINISH - PAINTED
2x6 STUDS @ 16" O.C.
R-21 BATT INSULATION
5/8" GYP BD - LEVEL 4 FINISH - PAINTED

W5 INTERIOR WALL



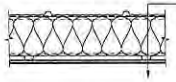
5/8" GYP - LEVEL 4 FINISH - PAINTED
2x4 STUDS @ 16" O.C.
SOUND BATT INSULATION
5/8" GYP BD - LEVEL 4 FINISH - PAINTED

W6 EXTERIOR WALL



-EXTERIOR-
PRE-FINISHED METAL WALL PANEL
AIR BARRIER
R-25 SINGLE LAYER IN CAVITY INSULATION
8" Z-GIRT w/ THERMAL BREAK STRIP ON EXTERIOR FACE
WHITE VINYL LINER FABRIC
-INTERIOR-

W7 EXTERIOR WALL



-EXTERIOR-
PRE-FINISHED METAL WALL PANEL
AIR BARRIER
R-25 SINGLE LAYER IN CAVITY INSULATION
8" Z-GIRT w/ THERMAL BREAK STRIP ON EXTERIOR FACE
7/8" HAT CHANNEL @ 24" O.C.
1/2" PLYWOOD UP TO 8'-0" A.F.F.
WHITE VINYL LINER FABRIC ABOVE PLYWOOD
-INTERIOR-

ZCS ENGINEERING ARCHITECTURE
524 Main Street, Suite 2, Oregon City, Oregon 97045 | 503-656-2285

BANDON SCHOOL DISTRICT #
455 9TH STREET SW
BANDON, OR 97411

BANDON SCHOO DISTRICT NEW B BARN

BANDON SCHOOL DISTRICT

PRELIMINARY - NOT FOR CONSTRUCTION

Δ	DATE:	Description

PROJECT NO.	C-1503-22
DRAWN:	LJS
CHECKED:	DGS
DATE:	11-07-2023

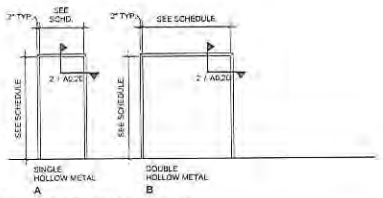
ASSEMBLIES

A0.10

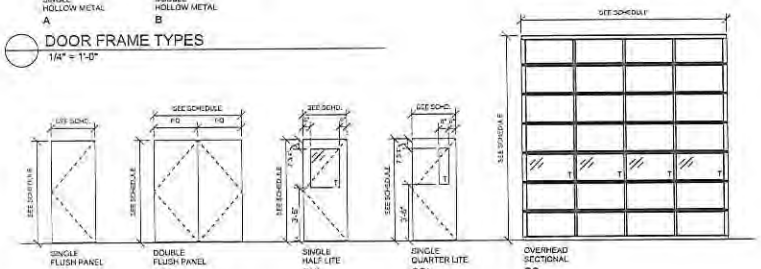
DWG NO FOLLOWS FILE EDITS 11/7/2023 8:33:25 AM

DOOR, FRAME AND HARDWARE SCHEDULE

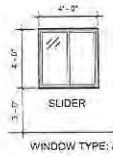
DOOR NUMBER	ROOM NUMBER	ROOM NAME	DOOR SIZE W	DOOR SIZE H	DOOR SIZE T	DOOR MTL	DOOR TYPE	DOOR GLAZE	DOOR NOTES	FRAME MTL	FRAME TYPE	FRAME NOTES	FIRE RATING	HARDWARE GROUP	HARDWARE NOTES
101A	101	COMMON AREA	3'-0"	7'-0"	0'-1 3/4"	HM	SHL	3/4" IGU	1, 2	HM	A	1, 2	-	1	-
101B	101	COMMON AREA	3'-0"	7'-0"	0'-1 3/4"	HM	SHL	1/4"	1, 2	HM	A	1, 2	-	2	-
101C	101	COMMON AREA	3'-0"	7'-0"	0'-1 3/4"	HM	SQL	1/4"	1, 2	HM	A	1, 2	-	3	-
102	102	OFFICE	3'-0"	7'-0"	0'-1 3/4"	HM	SQL	1/4"	2	HM	A	2	-	4	-
103	103	STORAGE	6'-0"	7'-0"	0'-1 3/4"	HM	SFP	-	2	HM	D	2	-	5	-
104	104	OFFICE	3'-0"	7'-0"	0'-1 3/4"	HM	SQL	1/4"	2	HM	A	2	-	4	-
105	105	RR	3'-0"	7'-0"	0'-1 3/4"	HM	SFP	-	2	HM	A	2	-	6	-
106A	106	MAINTENANCE BAY	3'-0"	7'-0"	0'-1 3/4"	HM	SQL	3/4" IGU	1, 2	HM	A	1, 2	-	7	-
106B	106	MAINTENANCE BAY	14'-0"	14'-0"	0'-2 1/8"	STL	OS	(1) ROW	1, 2	-	-	-	-	8	-
106C	106	BUS BARN	20'-0"	14'-0"	0'-2 1/8"	STL	OS	(1) ROW	1, 2	-	-	-	-	8	-
106D	106	BUS BARN	3'-0"	7'-0"	0'-1 3/4"	HM	SFP	3/4" IGU	1, 2	HM	A	1, 2	90 MINUTES	9	-
107A	107	BUS BARN	20'-0"	14'-0"	0'-2 1/8"	STL	OS	(1) ROW	2	-	-	-	-	8	-
107B	107	BUS BARN	20'-0"	14'-0"	0'-2 1/8"	STL	OS	(1) ROW	2	-	-	-	-	8	-
107E	107	BUS BARN	3'-0"	7'-0"	0'-1 3/4"	HM	SQL	3/4" IGU	2	HM	A	2	-	7	-



DOOR FRAME TYPES
1/4" = 1'-0"



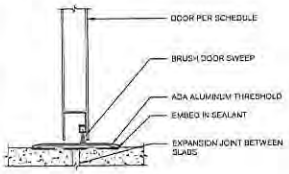
DOOR TYPES
1/4" = 1'-0"



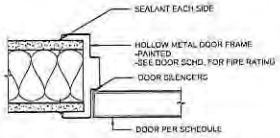
WINDOW NOTES:

***ALL EXTERIOR WINDOWS TO BE INSULATED GLAZING UNITS (IGU'S)*
***ALL WINDOWS ARE TO BE CLEAR GLAZING (BATHROOMS TO BE OPAQUE).*
***INNER PANE OF GLASS TO BE LOW-E*
***ALL WINDOWS SHALL COMPLY WITH ASTM E 774*
***D.C. TO PROVIDE SAFETY GLAZING FOR ALL WINDOWS WITHIN 24" OF ANY DOOR AND ANY OTHER CRITICAL LOCATION PER OSSC SECTION 2406.4*

WINDOW TYPES
1/4" = 1'-0"



1 / A0.20 EXT. HM DOOR THRESHOLD
3" = 1'-0"



2 / A0.20 INT. DOOR HEAD/JAMB SIM.
3" = 1'-0"

DOOR, FRAME AND HARDWARE SCHEDULE NOTES

DOOR, FRAME AND HARDWARE GENERAL NOTES

A. ALL RATED ASSEMBLIES ARE REQUIRED TO HAVE THE ASSEMBLY (DOOR, FRAME AND HARDWARE) MEET THE DESIGNATED FIRE RATING AS NOTED IN THE DOOR SCHEDULE AND CODE PLANS.
B. ALL CLOSERS TO COMPLY WITH ANSI A117.1-2017, SECTION 404.2.
C. CONTRACTOR TO VERIFY ALL ROUGH OPENING SIZES WITH DOOR MANUFACTURER.
D. SEE FLOOR PLANS FOR DOOR SWING.
E. PROVIDE SAFETY GLAZING IN ALL DOORS AND SIDELIGHTS WITH GLAZING.
F. PROVIDE SHOP DRAWINGS FOR ARCH. REVIEW AND APPROVAL.

ABBREVIATIONS

HM WELDED HOLLOW METAL
STL STEEL
T TEMPERED

DOOR NOTES

1. INSULATE
2. PAINT DOOR PT2 PER FINISH SCHD.

FRAME NOTES

1. INSULATE
2. PAINT FRAME PT2 PER FINISH SCHD.

HARDWARE NOTES

1. NONE

HARDWARE MANUFACTURERS SPECIFIED

BUTTS	STANLEY
LOCKS	SCHLAGE
CLOSERS	LCN
KICKPLATES	IVES
STOPS	IVES
OVERHEAD STOPS	GLYNN JOHNSON
THRESHOLDS	NATIONAL GUARD
SWEEPS	NATIONAL GUARD
GASKET	STEELCRAFT
SILENCER	IVES

GROUP 1
DOOR: 101A

QTY	ITEM	FINISH	MFR
3 EA	BUTTS FBB199 4.5 X 4.5	630	STANLEY
1 EA	LOCKSET L9453P 06A 03-609 X L583-363	626	SCHLAGE
1 EA	CLOSER 4011 REG	ALUM	LCN
1 EA	WALLSTOP WS406/407CCV	630	IVES
1 EA	KICKPLATE 8400 10X2LDW	630	IVES
1 EA	THRESHOLD 713	ALUM	NGP
1 EA	DOOR SWEEP 200 NA	ALUM	NGP
1 SET	GASKET P0074	BLK	STEELCRAFT

GROUP 2
DOOR: 101B

QTY	ITEM	FINISH	MFR
3 EA	BUTTS FBB191 4.5 X 4.5	630	STANLEY
1 EA	PASSAGE L9010 06	626	SCHLAGE
1 EA	CLOSER 4111 EDA	ALUM	LCN
1 EA	WALLSTOP WS406/407CCV	630	IVES
1 EA	KICKPLATE 8400 10X2LDW	630	IVES
1 EA	THRESHOLD 713	ALUM	NGP
1 EA	DOOR SWEEP 200 NA	ALUM	NGP
1 SET	GASKET P0074	BLK	STEELCRAFT

GROUP 3
DOOR: 101C

QTY	ITEM	FINISH	MFR
3 EA	BUTTS FBB191 4.5 X 4.5	630	STANLEY
1 EA	PASSAGE L9010 06	626	SCHLAGE
1 EA	CLOSER 4011 REG	ALUM	LCN
1 EA	WALLSTOP WS406/407CCV	630	IVES
1 EA	KICKPLATE 8400 10X2LDW	630	IVES
1 EA	THRESHOLD 713	ALUM	NGP
1 EA	DOOR SWEEP 200 NA	ALUM	NGP
1 SET	GASKET P0074	BLK	STEELCRAFT

GROUP 4
DOOR: 102, 104

QTY	ITEM	FINISH	MFR
3 EA	BUTTS F179 4.5 X 4.5	652	STANLEY
1 EA	LOCKSET L9050P 06A 03-609 X L583-363	626	SCHLAGE
1 EA	WALLSTOP WS406/407CCV	630	IVES
1 SET	GASKET P0074	BLK	STEELCRAFT

GROUP 5
DOOR: 103

QTY	ITEM	FINISH	MFR
6 EA	BUTTS F179 4.5 X 4.5	652	STANLEY
1 EA	LOCKSET L9070P 06A	626	SCHLAGE
2 EA	FLUSHBOLT FB458	626	IVES
2 EA	OVERHEAD STOP 904S	630	CJ
2 EA	SILENCER SH64	GREY	IVES

GROUP 6
DOOR: 105

QTY	ITEM	FINISH	MFR
3 EA	BUTTS FBB179 4.5 X 4.5	652	STANLEY
1 EA	LOCKSET L9050P 06A 03-609 X L583-363	626	SCHLAGE
1 EA	CLOSER 4011 REG	ALUM	LCN
1 EA	KICKPLATE 8400 10X2LDW	630	IVES
1 SET	GASKET P0074	BLK	STEELCRAFT

GROUP 7
DOOR: 106A, 107C

QTY	ITEM	FINISH	MFR
3 EA	BUTTS FBB192 4.5 X 4.5 NRP	630	STANLEY
1 EA	LOCKSET L9453P 06A 03-609 X L583-363	626	SCHLAGE
1 EA	CLOSER 4111 S CUSH	ALUM	LCN
1 EA	KICKPLATE 8400 10X2LDW	630	IVES
1 EA	THRESHOLD 713	ALUM	NGP
1 EA	DOOR SWEEP 200 NA	ALUM	NGP
1 SET	GASKET P0074	BLK	STEELCRAFT

GROUP 8
DOOR: 106B, 106C, 107A, 107B

ALL HARDWARE BY DOOR SUPPLIER.

GROUP 9
DOOR: 107E

QTY	ITEM	FINISH	MFR
3 EA	BUTTS FBB191 4.5 X 4.5	630	STANLEY
1 EA	PASSAGE L9010 06A	626	SCHLAGE
1 EA	CLOSER 4111 S CUSH	ALUM	LCN
1 EA	KICKPLATE 8400 10X2LDW	630	IVES
1 SET	GASKET P0074	BLK	STEELCRAFT

ZCS ENGINEERING ARCHITECTURE
524 Main Street, Suite 2, Oregon City, Oregon 97045 | 503-659-2205

BANDON SCHOOL DISTRICT #
455 9TH STREET SW
BANDON, OR 97411

BANDON SCHOO
DISTRICT NEW B
BARN

BANDO SCHOOL DISTRICT

PRELIMINARY, NOT FOR CONSTRUCTION

△	DATE:	Description

PROJECT NO.	G-1533-V2
DRAWN:	LJS
CHECKED:	DDS
DATE:	11-27-2023

DOOR & WINDOW SCHEDULES

A0.20

FLOOR FINISHES

FINISH CODE	MATERIAL	LOCATION	MANUFACTURER	STYLE / COLOR	PRODUCT NOTES	INSTALLATION NOTES
SC	SEALED CONCRETE	INTERIOR	-	CLEAR	SEE SPEC	WITH SLIP-RESISTANT TREATMENT

WALL BASE FINISHES

FINISH CODE	MATERIAL	LOCATION	MANUFACTURER	STYLE / COLOR	SIZE / THICKNESS	INSTALLATION NOTES
RB1	RUBBER BASE	AS INDICATED ON FINISH PLANS	ROPPE	100 BLACK	6" x 1/8"	PROVIDE PREFORMED INSIDE & OUTSIDE CORNERS

PAINT / WALL FINISHES

FINISH CODE	MATERIAL	LOCATION	MANUFACTURER	STYLE / COLOR	FINISH SHEEN	INSTALLATION NOTES
PT1	PAINT	WALLS AND CEILINGS	SHERWIN WILLIAMS	SNOWBOUND SW 7004	SEE FINISH NOTES	-
PT2	PAINT	DOORS AND FRAMES	SHERWIN WILLIAMS	TBD	SEE FINISH NOTES	-
FRP1	FIBERGLASS REINFORCED PLASTIC	RESTROOM	CONSTRUCTION SPECIALTIES	FOG	-	FRP TO EXTEND 48" A.F.F., USE SCHLUTER METAL TRIM AT TOP OF PANEL
FRP2	FIBERGLASS REINFORCED PLASTIC	ROOM 106 & 107	CONSTRUCTION SPECIALTIES	G.C. TO PROVIDE ARCHITECT & OWNER w/ A FULL LINE OF COLORS PER MNF.	-	FRP TO EXTEND 90" A.F.F., USE SCHLUTER METAL TRIM AT TOP OF PANEL

CEILING FINISHES

FINISH CODE	MATERIAL	LOCATION	MANUFACTURER	STYLE / COLOR	SIZE / NRC RATING	INSTALLATION NOTES
GYP	GYPSUM	ROOMS 101 -105	CERTAINTEED	-	5/8" / NA	-

CASEWORK FINISHES

FINISH CODE	MATERIAL	LOCATION	MANUFACTURER	PRODUCT NUMBER / STYLE / COLOR	PRODUCT DETAIL	INSTALLATION NOTES
PL1	PLASTIC LAMINATE	COMMON AREA	TBD	G.C. TO PROVIDE ARCHITECT & OWNER w/ A FULL LINE OF PLAM COLORS PER MNF.	-	RUN GRAIN VERTICALLY
PL2	PLASTIC LAMINATE	COMMON AREA	TBD	G.C. TO PROVIDE ARCHITECT & OWNER w/ A FULL LINE OF PLAM COLORS PER MNF.	-	HORIZONTAL SURFACE AND BACKSPLASH

EXTERIOR SIDING

FINISH CODE	MATERIAL	LOCATION	MANUFACTURER	STYLE / FINISH	COLOR	INSTALLATION NOTES
S1	METAL PANELS	EXTERIOR SIDING	PER PEMB	G.C. TO PROVIDE ARCHITECT & OWNER w/ A FULL LINE OF PROFILES PER MNF.	G.C. TO PROVIDE ARCHITECT & OWNER w/ A FULL LINE OF COLORS PER MNF.	INSTAL PER MFR. INSTRUCTIONS

ROOFING

FINISH CODE	MATERIAL	LOCATION	MANUFACTURER	STYLE / FINISH	COLOR	INSTALLATION NOTES
SSR	STANDING SEAM	ROOF	PER PEMB	G.C. TO PROVIDE ARCHITECT & OWNER w/ A FULL LINE OF PROFILES PER MNF.	G.C. TO PROVIDE ARCHITECT & OWNER w/ A FULL LINE OF COLORS PER MNF.	INSTAL PER MFR. INSTRUCTIONS

MISCELLANEOUS FINISHES

FINISH CODE	MATERIAL	LOCATION	MANUFACTURER	STYLE / FINISH	SIZE / THICKNESS	INSTALLATION NOTES
CG1	ALUMINUM CORNER GUARD	SEE ENLARGED OFFICE PLAN	CS ACROVYN - CONSTRUCTION SYSTEMS	CO-6 - 16 GA - #4 SATIN FINISH	3.5" LEGS	ADHESIVE ATTACHEMENT

LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	MOUNTING	MANUFACTURER	MFG/CATALOG #	INPUT WATTS	VOLTAGE	DRIVER/POWER SUPPLY	LUMENS	COLOR TEMPERATURE	LIGHTING CONTROLS	NOTES
L1	VANITY LIGHT	WALL MOUNT	LITHONIA	FMVCSL 24IN MVOLT 30K 90CRI EN M6	18W	120V	BY CONTRACTOR	1300	3000K	DIMMING TO 10%	4
L2	LED LINEAR	SURFACE MOUNT	LITHONIA	SSL4 3000LM 80CRI 35K MIN10 ZT MVOLT	36W	120-277V	BY CONTRACTOR	3000	3500K	DIMMING TO 10%	4
L3	LED LINEAR	SUSPENDED	LA LIGHTING	STW100-4-AL-FRWA-DRDM-UNV-18840/ CMC-STW100/V4CS10	20W	120-277V	BY CONTRACTOR	4000	4000K	DIMMING TO 10%	3, 4
L4	LED WALL PACK	EXTERIOR WALL MOUNT	LITHONIA	TWX1 LED P1 30K MVOLT PE DBLXD	10W	120-277V	BY CONTRACTOR	1600	3000K	DAY LIGHT SENSOR	4
EF	EXHAUST FAN / LED COMBO	RECESSED	BROAN	RB80L1	18W	120	BY CONTRACTOR	-	-	-	2, 4
X1	LED EXIT SIGN	SURFACE	LITHONIA	EXRD EL M6	1W	120-277V	-	-	-	-	1, 4

NOTE:
1. DIMMING CONTROL PROTOCOL (0-10VDC, LINE VOLTAGE, DALI, ETC.) COMPATABLE WITH LIGHTING CONTROL SYSTEM AS SPECIFIED AND SHOWN IN DRAWINGS.
2. PROVIDE +/- 12" ADJUSTABILITY IN AIRCRAFT CABLE LENGTH WHERE USED.
3. COORDINATE ALL CEILING TYPES WITH LUMINAIRE LOCATIONS PRIOR TO ORDERING LUMINAIRS. COORDINATE INSTALLATION WITH REFLECTED CEILING PLANS.
4. SPECIFIED MANUFACTURERS ARE APPROVED TO SUBMIT BID. INCLUSION DOES NOT RELIEVE MANUFACTURER FROM SUPPLYING PRODUCT AS DESCRIBED.
5. PROVIDE SUBMITTALS THAT INCLUDE THE LUMINAIR, LAMP AND BALLAST INFORMATION OF EACH LUMINAIRE, WITH APPLICABLE OPTIONS CLEARLY CHECKED OR HIGHLIGHTED.
6. REMOTE BALLAST/DRIVERS: UL LISTED FOR THEIR APPLICATION. BALLASTS/DRIVER MARKED AS UL RECONGNIZED COMPONENT BUT NOT UL LISTED ARE SUBJECT TO REMOVAL AND REPLACEMENT AT NO COST TO OWNER.
7. PROVIDE COMMISSIONING OF THE LIGHTING AND LIGHTING CONTROLS IN ACCORDANCE WITH OREGON STATE LIGHTING COMMISSIONING REQUIREMENTS.
8. PROVIDE OCCUPANCY SENSORS TO ALL ROOMS AS REQUIRED BY ASHRAE STANDARD 90.1-2019

LUMINAIRE SCHEDULE NOTES
1. INCLUDES BATTERY BACKUP
2. EXHAUST FAN SHALL BE ENERGY STAR CERTIFIED AND OPERATIONAL AT 50CFM CONTINUOUS WHILE OCCUPIED OR 70CFM INTERMITTENTLY
3. SUSPEND LIGHT FIXTURE TO 16'-0" A.F.F., ADJUST HEIGHT IF NECESSARY
4. PROVIDE OCCUPANCY SENSORS.

ZCS ENGINEERING ARCHITECTURE
524 Main Street, Suite 2, Oregon City, Oregon 97045 | 503-656-2235

BANDON SCHOOL DISTRICT #
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BANDON, OR 97411

BANDON SCHOO DISTRICT NEW B BARN

BANDON SCHOOL DISTRICT

PRELIMINARY NOT FOR CONSTRUCTION

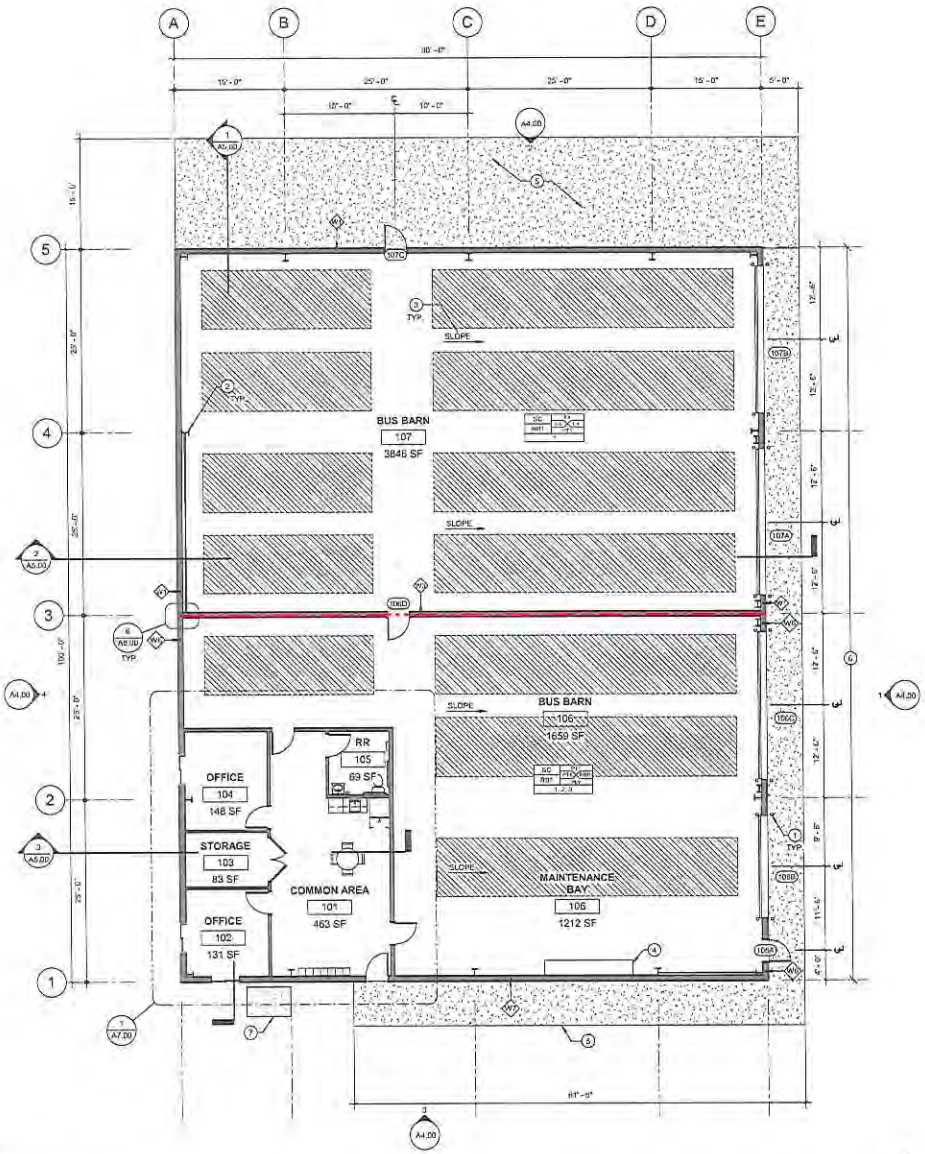
△	DATE:	Description

PROJECT NO.	C-1533-22
DRAWN:	LJS
CHECKED:	DCS
DATE:	11-07-2023

FINISH SCHEDULES

A0.30

DIVIDED EQUALS FULL SCALE 11/6/2023 8:32:27 AM



1 FLOOR PLAN
A1.10 1/8" = 1'-0"

GENERAL NOTES

A. VERIFY ALL DIMENSIONS AND NOTIFY ARCHITECT IF DISCREPANCIES OCCUR.

B. G.C. SHALL COORDINATE ALL INTERIOR AND EXTERIOR FINISHES W/ OWNER PRIOR TO CONSTRUCTION.

C. G.C. SHALL PROVIDE SAFETY GLAZING FOR ALL WINDOWS WITHIN 24" OF ANY DOOR AND ALL OTHER CRITICAL LOCATIONS AS STATED PER OSSC SECTION 2406.4.

D. G.C. TO PROVIDE FIRE BLOCKING AS REQUIRED PER CODE.

E. G.C. SHALL PROVIDE ALL APPROPRIATE BACKING AS REQUIRED FOR ACCESSORIES AND OTHER MISCELLANEOUS ITEMS.

F. G.C. TO COORDINATE INSTALLATION OF ALL UTILITIES W/ RESPECTIVE SUPPLIERS/SUBCONTRACTORS PRIOR TO CONSTRUCTION, TYPICAL.

G. ALL ELECTRICAL, MECHANICAL AND PLUMBING TO BE DESIGN BUILD PER APPLICABLE CODES.

H. ALL DIMENSION LINES TO THE FACE OF FRAMING, U.N.O.

PLAN LEGEND

- WALL / PARTITION
- 3-HOUR FIRE BARRIER
- AREA OF VEHICLE CLEARANCE

FLOOR PLAN KEYNOTES

1. BOLLARDS, SEE CIVIL FOR EXTERIOR BOLLARDS, COORDINATE INTERIOR BOLLARDS WITH STRUCTURAL FOOTINGS
2. PEMB FRAME/COLUMN
3. SLOPE CONCRETE SLAB TO DOOR, FOUNDATION DESIGN BY OTHERS
4. WORKBENCH, OFCI
5. EXTERIOR CONCRETE SIDEWALK, SEE CIVIL
6. REINFORCED CONCRETE APRON, SEE CIVIL
7. PROVIDE CONCRETE PAD FOR MINI-SPLIT OUTDOOR UNIT, SIZE AS REQUIRED FOR UNIT

FINISH LEGEND

- FLOOR FINISH
- WALL FINISHES
- ADDITIONAL NOTES
- BASE FINISH
- PT# — EXTENT OF ACCENT PAINT OR WALL FINISHES
- CG — LOCATION OF CORNER GUARDS
- X — FINISH TAG

ROOM FINISH ABBREVIATIONS

FLOORING	
SC	SEALED CONCRETE
BASE	
RB#	RUBBER BASE
WALLS	
PT#	PAINT
GYP	GYPSUM WALL BOARD
EX	EXPOSED METAL GIRTS
VL	VINYL LINER - WHITE

FINISH PLAN NOTES

A. ALL PRODUCTS ARE TO BE INSTALLED PER MANUFACTURERS INSTRUCTIONS, USING MANUFACTURERS ADHESIVES, TOOLS AND METHODS.

B. REFER TO SPECIFICATIONS AND FINISH SCHEDULES FOR FURTHER FINISH MATERIAL PRODUCT INFORMATION.

C. SEE ELEVATIONS FOR ADDITIONAL FINISHES.

D. FOR CEILING HEIGHTS AND ADDITIONAL FINISHES SEE RCPS.

E. COORDINATE ALL OWNER FURNISHED EQUIPMENT, ACCESSORIES, AND FURNITURE WITH OWNER.

F. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.

G. ALL FLOOR TRANSITIONS ARE TO OCCUR DIRECTLY BENEATH DOOR U.N.O.

H. PROVIDE APPROPRIATE TRANSITIONS STRIPS/REDUCERS AT ALL LOCATIONS BETWEEN DIFFERING MATERIALS U.N.O. SEE TRANSITION CALL-OUTS. ALL TRANSITIONS TO MEET ADA REQUIREMENTS.

I. REFER TO FINISH PLAN FOR LOCATION OF CORNER GUARDS. ALL CORNER GUARDS ARE TO BE INSTALLED WITH BOTTOM OF CORNER GUARD AT TOP OF WALL BASE AND EXTEND 48" AFF.

J. ALL GYPSUM CEILING TO BE PAINTED PT1 U.N.O.

K. ALL HOLLOW METAL DOORS AND FRAMES TO RECEIVE DOLOR PT2 U.N.O.

L. ALL METAL ACCESS PANELS, COVER PLATES, VENTS AND GRILLES TO BE PAINTED TO MATCH THE SURFACE IT IS LOCATED ON, UNLESS PREFINISHED.

M. ALL BASE CABINETS AND UPPER CABINETS ARE TO RECEIVE PLAN ON ALL EXPOSED EXTERIOR SURFACES AS INDICATED ON INTERIOR ELEVATIONS. ALL INTERIOR CONCEALED SURFACES TO RECEIVE WHITE MELAMINE. RUN WOOD GRAIN IN VERTICAL DIRECTIONS AND USE 0.020"THICK MATCHING VINYL EDGEBAND ON CABINET DOORS AND DRAWERS.

N. ALL COUNTERTOPS ARE RECEIVE BACKSPLASHES TO MATCH. PROVIDE PAINTABLE SEALANT AT WALL.

O. PAINT VISIBLE PORTION OF INSIDE OF DUCT WORK FLAT BLACK.

P. PAINT SHEEN - WALL: SATINEGG SHELL, CEILING: FLATMATTE, TRIM & DOOR FRAMES: SEMI-GLOSS

ADDITIONAL NOTES

1. PROVIDE FRP2 UP TO 96" A.F.F. w/ RUBBER BASE AT PARTITION WALL AT GRID J
2. PROVIDE FRP2 UP TO 96" A.F.F. w/ RUBBER BASE AT WOOD FRAMED PARTITION WALLS SEPARATING THE OFFICE SPACE.
3. PROVIDE 1/2" PLYWOOD UP TO 96" A.F.F. ALONG SOUTH WALL AT GRID 1.

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BANDON SCHOOL DISTRICT #
455 9TH STREET SW
BANDON, OR 97411

BANDON SCHOO DISTRICT NEW B BARN

BANDO SCHOOL DISTRICT

PRELIMINARY - NOT FOR CONSTRUCTION

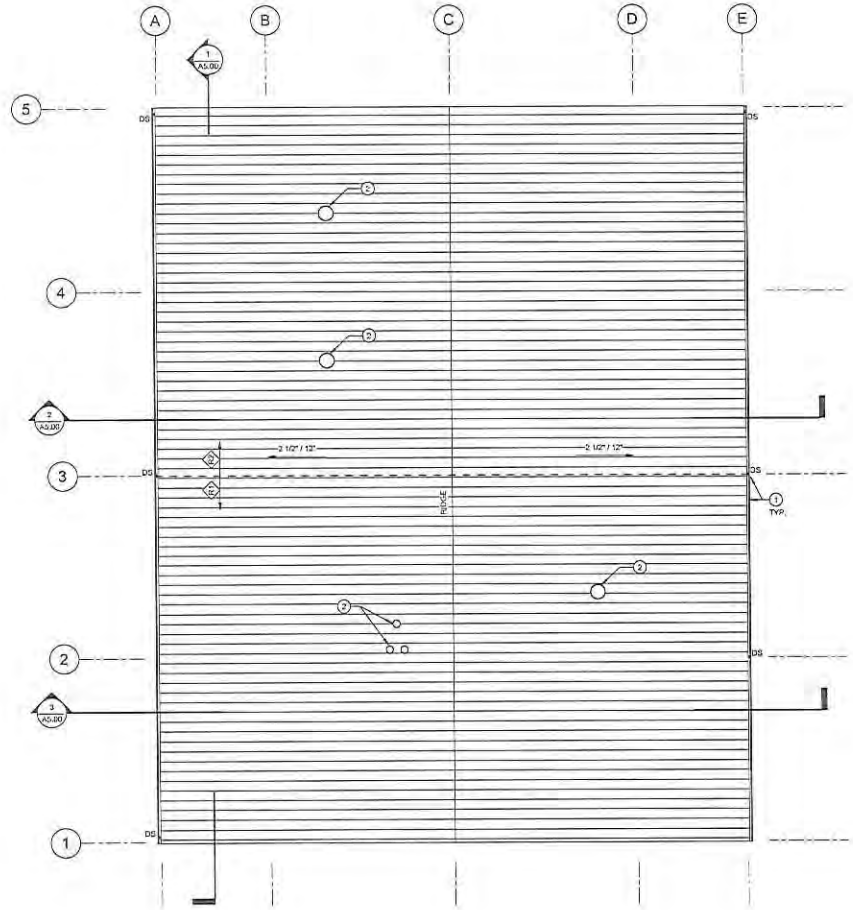
△	DATE:	Description

PROJECT NO.	G-1503-22
DRAWN:	LJS
CHECKED:	DDS
DATE:	11-07-2023

FLOOR PLAN

A1.10

EX FROM EDUM S FILE SOURCE 11/7/2023 8:33:23 AM



1 A1.20 ROOF PLAN
1/8" = 1'-0"

N

ROOF PLAN GENERAL NOTES

A. ALL WORK AND MATERIALS SHALL CONFORM TO ALL APPLICABLE STATE AND LOCAL REGULATIONS, STANDARDS AND MFR. SPECIFICATIONS AND THE 2022 OSSC. CONTACT ARCHITECT FOR DIRECTIVE IN THE EVENT OF CONFLICTING STANDARDS AND SPECS.

B. VERIFY ALL DIMENSIONS, ELEVATIONS AND LOCATIONS PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT OF RECORD 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.

C. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN, INSTALLATION, AND MAINTENANCE OF ALL TEMPORARY ROOF ACCESS SYSTEMS. ALL SYSTEMS MUST COMPLY WITH OSHA.

D. 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.

E. COORDINATE STAGING AND MATERIALS STORAGE AREA WITH DISTRICT PERSONNEL.

F. SECURITY OF STORED MATERIAL IS THE RESPONSIBILITY OF THE CONTRACTOR.

G. NO PORTION OF THE ROOF SHALL BE LEFT UNPROTECTED AGAINST THE ELEMENTS BETWEEN CONTRACTOR SHIFTS.

H. SEE PLAN SET AND/OR SPECIFICATIONS FOR MORE INFORMATION.

ROOF SYMBOLS

ROOF SLOPE

DS DOWNSPOUT LOCATION

ROOF PLAN KEYNOTES:

1. PRE-FINISHED GUTTER AND DOWNSPOUT BY PEMB
2. FLASH ANY PLUMBING AND EXHAUST VENTS PER PEMB MFR. DETAILS

ROOF TYPE LEGEND

STANDING SEAM METAL ROOF PER PEMB MFR.

ENTIRE ROOF STRUCTURE HAS BEEN DESIGNED FOR ADDITIONAL DEAD LOAD TO BE SOLAR-READY

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BANDON SCHOOL DISTRICT #1
455 9TH STREET SW
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BANDON SCHOOL DISTRICT NEW B BARN

BANDON SCHOOL DISTRICT

PRELIMINARY NOT FOR CONSTRUCTION

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ROOF PLAN

A1.20

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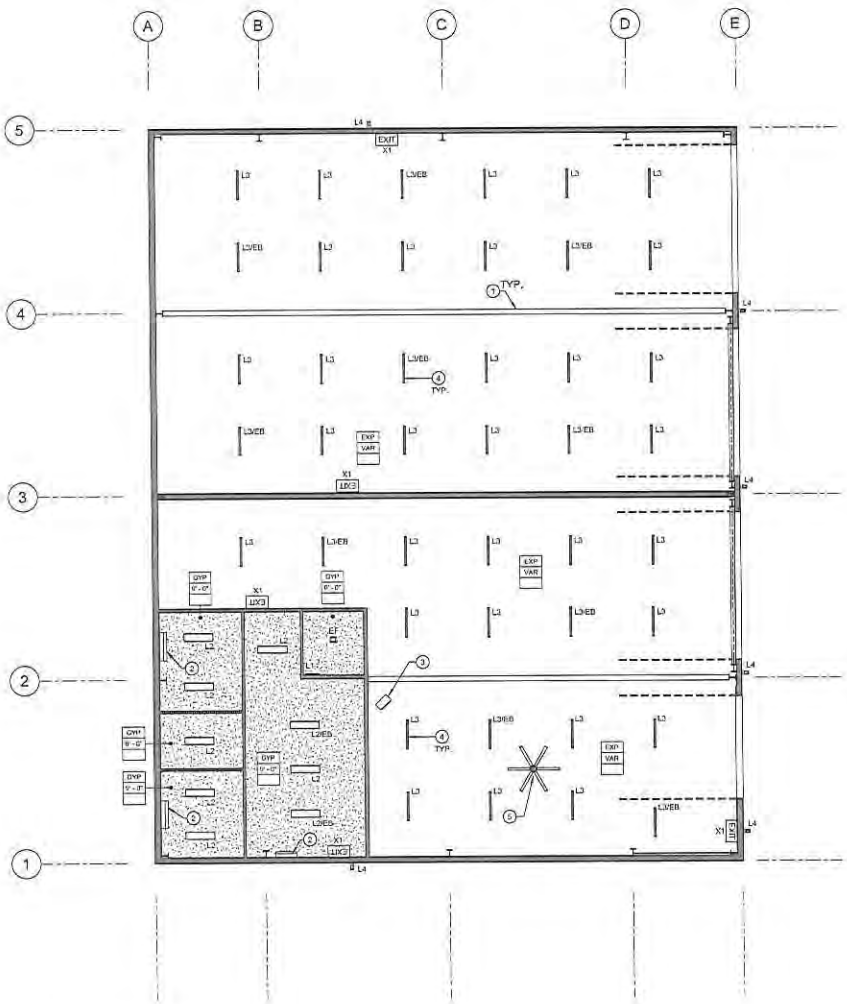
(WE'VE CHECKED THIS SCALE)



1 A2.10 REFLECTED CEILING PLAN 1/8" = 1'-0"

PLAN GENERAL NOTES:

A. REFER TO ARCHITECTURAL FLOOR PLAN FOR ADDITIONAL DIMENSIONS.

B. REFER TO MECHANICAL DRAWINGS FOR MECHANICAL SPECIFICATIONS, DUCTWORK, DUCT PENETRATIONS, EXHAUST FAN REQUIREMENTS.

C. ALL DIMENSIONS ARE REFERENCED TO FACE OF FINISH U.N.O.

D. ALL HEIGHT REFERENCES ARE TAKEN FROM DATUM-T.O.S. FOR AREA INDICATED.

E. PROVIDE WALL BACKING FOR REINFORCEMENT AS REQUIRED.

F. PROVIDE SOLID BLOCKING FOR ALL 'J' BOXES SUSPENDED LIGHT AND CEILING FAN FIXTURES, TELEVISION SUPPORT, ARTIFACT SHELVES AND ANY OTHER CEILING MOUNTED EQUIPMENT.

G. ALL LIGHT FIXTURE TRIM RINGS, EXPOSED CONDUITS, 'J' BOXES, HVAC GRILLS, EMERGENCY LIGHT FIXTURES, DUPLEX OUTLETS AND FACE PLATES SHALL BE PAINTED TO MATCH THE ADJACENT FINISH U.N.O.

H. ANY LIGHT NOT DIMENSIONALLY LOCATED TO BE CENTERED IN THE CEILING TILE, CEILING AREA, OR ROOM AS APPLICABLE. ALL "CAN" TYPE FIXTURES TO BE MOUNTED IN THE CENTER OF THE CEILING TILES U.N.O.

I. USE USG DRYWALL SUSPENSION FLAT SYSTEM (OR EQUAL) FOR SUSPENDED AREAS OF GYP. BD. (TYP).

J. PROVIDE 3/4" CONDUIT FOR DATA AND DUPLEX OUTLET IN CEILING FOR FUTURE TV.

REFLECTED CEILING LEGEND

ACT — CEILING MATERIAL
9'-0" — CEILING HEIGHT
NOTE — ADDITIONAL NOTES

CEILING TYPES

GYPSUM BOARD CEILING

EXPOSED TO ROOF

LIGHTING - DESIGN BUILD

HVAC - DESIGN BUILD

CEILING FINISHES

GYP GYPSUM BOARD - PAINT
EXP EXPOSED STRUCTURE

CEILING HEIGHT

VAR VARIES

ADDITIONAL NOTES

1. NOT USED

⑥ REFLECTED CEILING KEYNOTES

1. EXPOSED PEMB FRAMES
2. WALL-MOUNTED MINISPLIT PER DESIGN BUILD
3. SHOP HEATER PER DESIGN BUILD
4. SUSPEND LIGHT 16'-0" A.F.F., ADJUST HEIGHT AS NECESSARY
5. CEILING FAN - BOTTOM OF FAN TO BE 16'-0" A.F.F., S.O.D.: CANARM 56" FANBOS 565 CFMW

FIXTURE SCHEDULE

*SEE LUMINAIRE SCHEDULE

L1 VANITY LIGHT
L2 SURFACE MOUNTED LINEAR
L3 SUSPENDED LINEAR
L4 EXTERIOR WALL PACK
EF EXHAUST FAN/LED COMBO
X1 EXIT SIGN
EB PROVIDE EMERGENCY LIGHT BATTERY BACKUP IN FIXTURE

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BANDON SCHOOL DISTRICT NEW B BARN

BANDON SCHOOL DISTRICT

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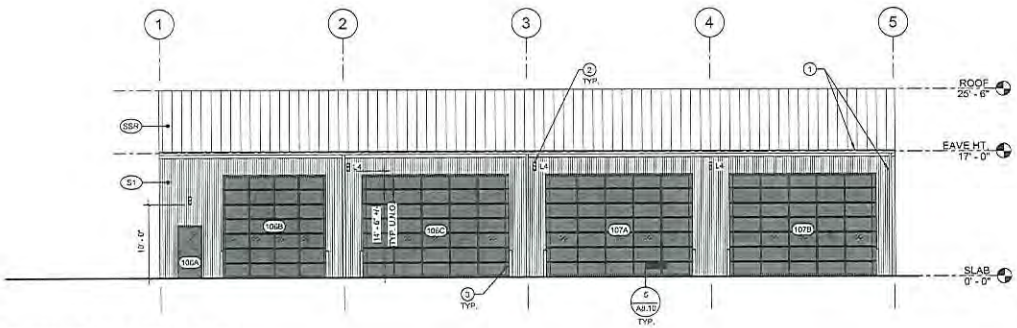
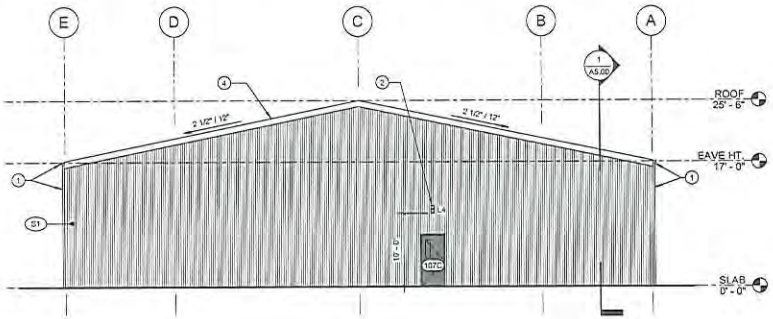
REFLECTED CEILING PLAN

A2.10

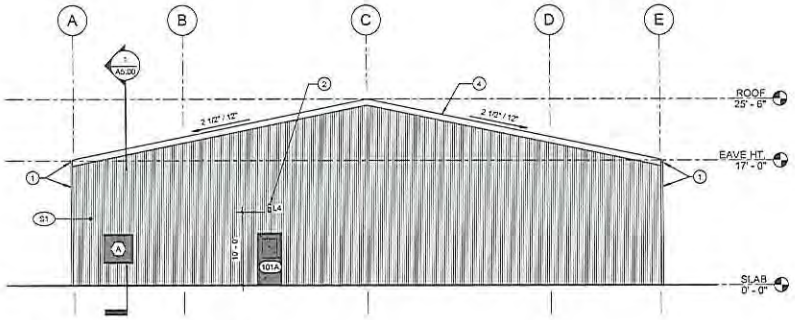
DO NOT SCALE DRAWINGS



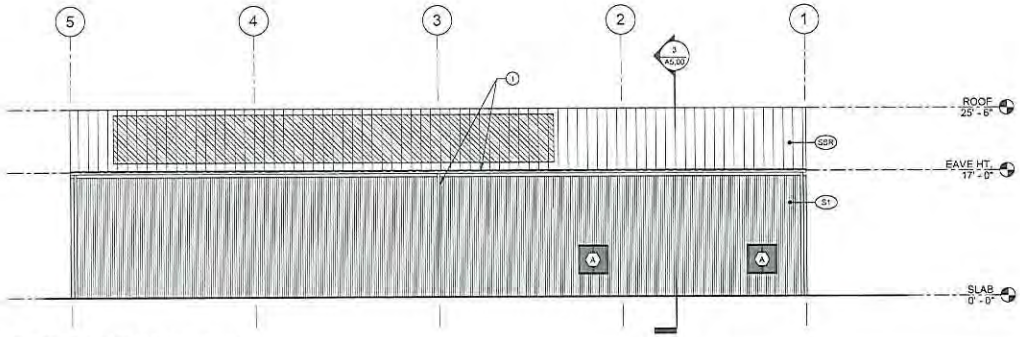
1 A4.00 EXTERIOR ELEVATION - EAST
1/8" = 1'-0"



2 A4.00 EXTERIOR ELEVATION - NORTH
1/8" = 1'-0"



3 A4.00 EXTERIOR ELEVATION - SOUTH
1/8" = 1'-0"



4 A4.00 EXTERIOR ELEVATION - WEST
1/8" = 1'-0"

ELEVATION LEGEND

- METAL SIDING
- STANDING SEAM METAL ROOFING
- SOLAR-READY AREA PER 2022 OSSC 3111.4 - SEE ROOF PLAN

ELEVATION KEYNOTES

1. PRE-FINISHED GUTTER AND DOWNSPOUTS BY PEMB, COLOR TBD
2. EXTERIOR WALL PACK LIGHT, SEE LUMINAIR SCHEDULE
3. BOLLARDS, SEE CIVIL
4. PRE-FINISHED TRIM BY PEMB, COLOR TBD

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BANDON SCHOOL DISTRICT #
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BANDON SCHOO DISTRICT NEW B BARN

BANDON SCHOOL DISTRICT

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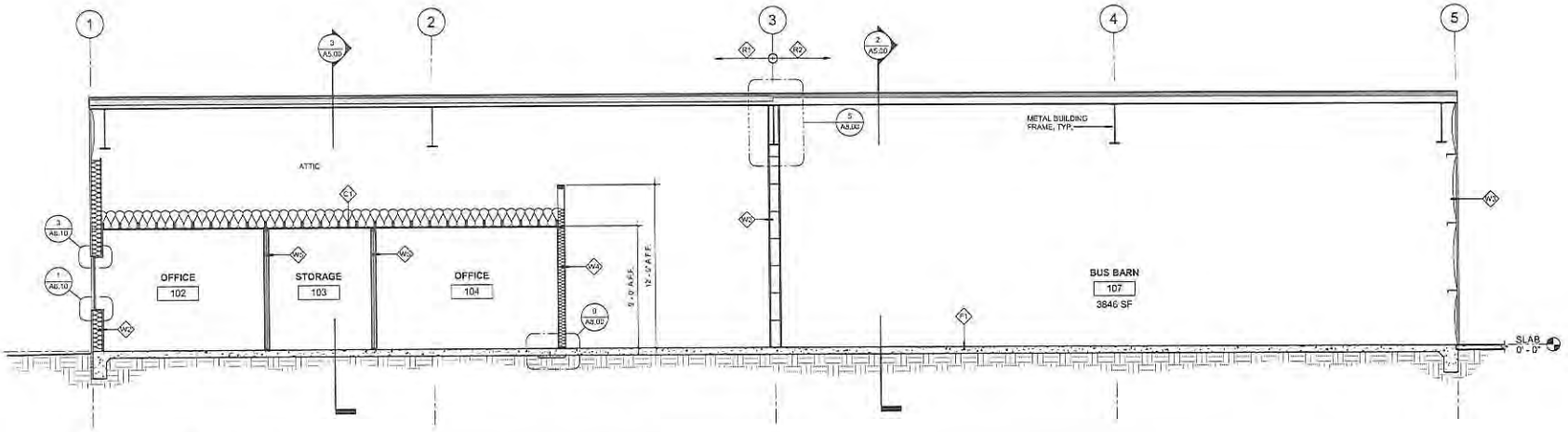
DATE:	11-07-2023

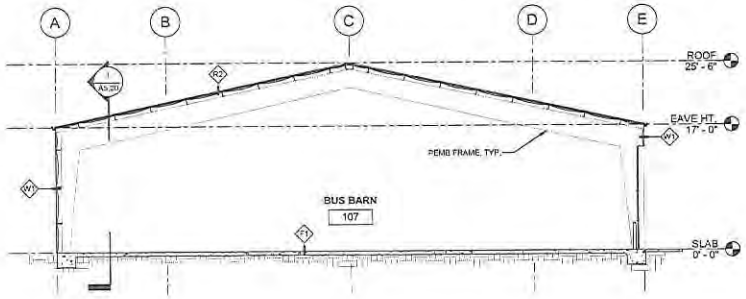
EXTERIOR ELEVATIONS

A4.00

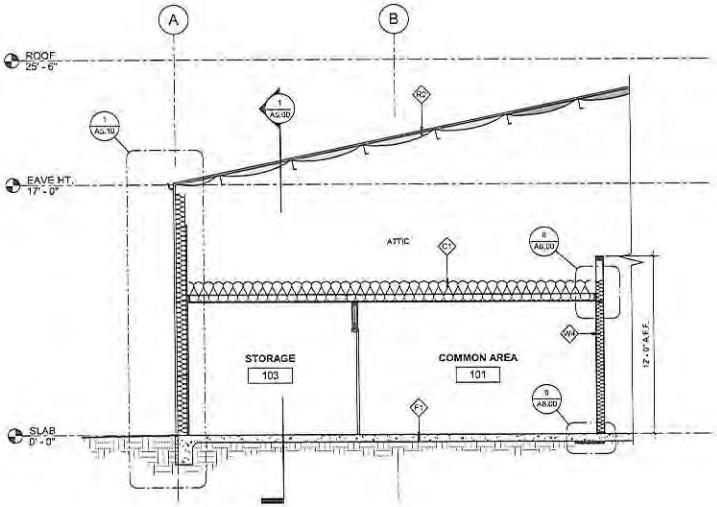
ONE INCH IS ONLY WHEN PLOTTED AT FULL SCALE 11/9/2023 12:29 AM



1 A5.00 LONGITUDINAL SECTION
1/4" = 1'-0"



2 A5.00 CROSS SECTION
1/8" = 1'-0"



3 A5.00 PARTIAL CROSS SECTION
1/4" = 1'-0"

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BANDON SCHOOL DISTRICT #
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BANDON SCHOO
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BANDON SCHOOL DISTRICT

PRELIMINARY - NOT FOR CONSTRUCTION

Δ	DATE:	Description

PROJECT NO.	G-1503-22
DRAWN:	LJS
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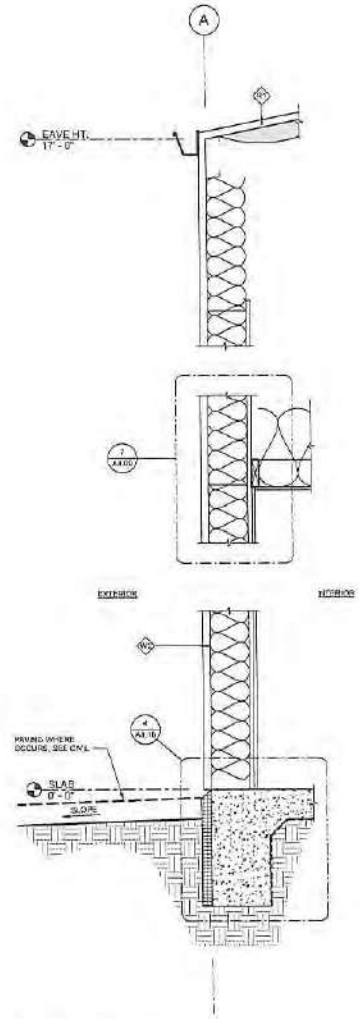
DATE:	11-07-2023

BUILDING SECTIONS

A5.00

ONE INCH EQUALS FULL SCALE 11/3/2023 8:13:33 AM



1 A5.10 WALL SECTION
1" = 1'-0"

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BANDON SCHOOL DISTRICT #
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BANDON, OR 97411

BANDON SCHOO DISTRICT NEW B BARN

BANDON SCHOOL DISTRICT

PRELIMINARY, NOT FOR CONSTRUCTION

△	DATE:	Description

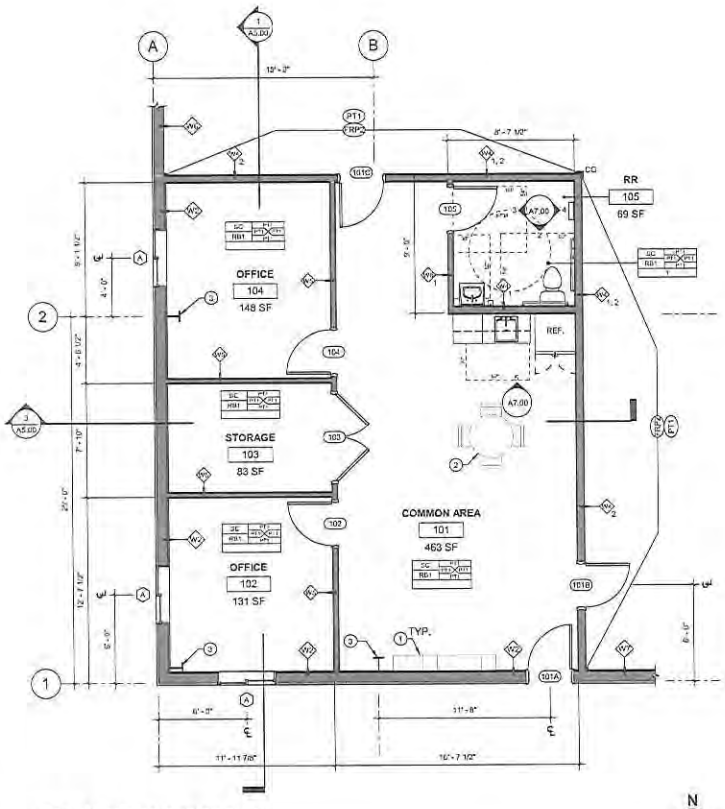
PROJECT NO.	CH22-02
DRAWN:	LJS
CHECKED:	DDS
DATE:	11-07-2022

WALL SECTIONS

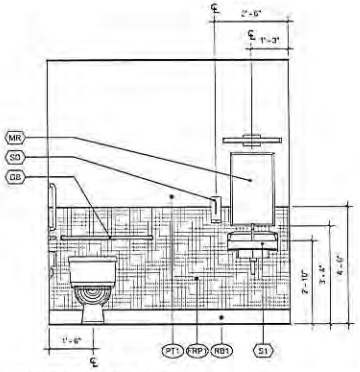
A5.10

PLUMBING SCHEDULE											
FIXTURE					CONNECTIONS			TRIM / ACCESSORIES			DESIGN BUILD SCOPE. PLUMBER TO VERIFY BALANCE OF FIXTURES & ACCESSORIES. INSTALL PER CODE.
TYPE	DESCRIPTION	MOUNTING	MANUFACTURER	MODEL NAME / NUMBER	W	CW	HW	DESCRIPTION	MANUFACTURER	MODEL NUMBER	NOTES
T1	TOILET	FLOOR MOUNTED	AMERICAN STANDARD	2467.1	4"	1/2"	-	SEAT	AMERICAN STANDARD	5503A000	INSTALL PER ADA STANDARDS
S1	RESTROOM SINK	WALL MOUNTED	KOHLER	K-17264D	1 1/4"	3/8"	3/8"	SINK FAUCET	KOHLER	K-15543-4RA-CP	INSTALL PER ADA STANDARDS, PROVIDE PIPE SLEEVE
								VANDAL GUARD	ZURN	Z6900-WG	
S2	KITCHEN SINK	COUNTERSUNK	ELKAY	SLH15C	2"	-	-	SINK FAUCET	ELKAY	LKDA2437C	PARALLEL APPROACH ACCESSIBLE

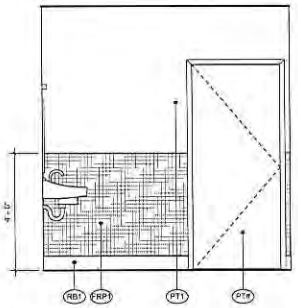
RESTROOM ACCESSORY SCHEDULE						
TYPE	DESCRIPTION	MANUFACTURER	MODEL NAME / NUMBER	SIZE	FINISH	NOTES
SD	SOAP DISPENSER	BOBRICK	B-2111	4 3/4" W x 8 1/2" H x 2 3/4" D	STAINLESS STEEL W/ SATIN FINISH	-
MR	MIRROR	BOBRICK	B-165 1830	18" W x 30" H	STAINLESS STEEL W/ BRIGHT POLISH FINISH	-
PD	PAPER TOWEL DISPENSER & WASTE RECEPTACLE	BOBRICK	B-3699	14" W x 28" H x 4" D	STAINLESS STEEL W/ SATIN FINISH	-
TD	TOILET TISSUE DISPENSER	BOBRICK	B-4388	7 9/16" W x 12 1/2" H x 2 15/16" D	STAINLESS STEEL W/ SATIN FINISH	-
GB	GRAB BARS	BOBRICK	B-6806	18", 36", 42"	STAINLESS STEEL W/ SATIN FINISH	-



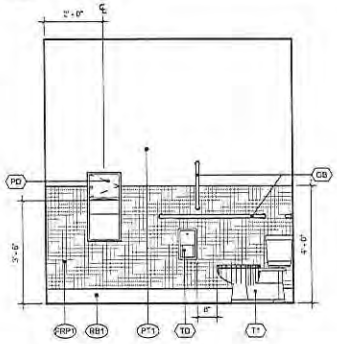
1 A7.00 ENLARGED OFFICE PLAN
1/4" = 1'-0"



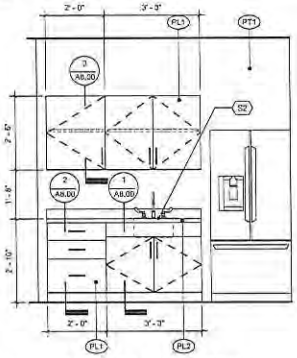
2 A7.00 RR 105 - SOUTH
1/2" = 1'-0"



3 A7.00 RR 105 - WEST
1/2" = 1'-0"



4 A7.00 RR 105 - EAST
1/2" = 1'-0"



5 A7.00 COMMON AREA 101 - NORTH
1/2" = 1'-0"

GENERAL NOTES

A. VERIFY ALL DIMENSIONS AND NOTIFY ARCHITECT IF DISCREPANCIES OCCUR.

B. G.C. SHALL COORDINATE ALL INTERIOR AND EXTERIOR FINISHES W/ OWNER PRIOR TO CONSTRUCTION.

C. G.C. SHALL PROVIDE SAFETY GLAZING FOR ALL WINDOWS WITHIN 24" OF ANY DOOR AND ALL OTHER CRITICAL LOCATIONS AS STATED PER OSSC SECTION 2406.4.

D. G.C. TO PROVIDE FIRE BLOCKING AS REQUIRED PER CODE.

E. G.C. SHALL PROVIDE ALL APPROPRIATE BACKING AS REQUIRED FOR ACCESSORIES AND OTHER MISCELLANEOUS ITEMS.

F. G.C. TO COORDINATE INSTALLATION OF ALL UTILITIES W/ RESPECTIVE SUPPLIERS/SUBCONTRACTORS PRIOR TO CONSTRUCTION, TYPICAL.

G. ALL ELECTRICAL, MECHANICAL AND PLUMBING TO BE DESIGN BUILD PER APPLICABLE CODES.

H. ALL DIMENSION LINES TO THE FACE OF FRAMING, U.N.O.

ENLARGED PLAN LEGEND

FULL HEIGHT WALL / PARTITION

ENLARGED PLAN KEYNOTES

1. LOCKERS, OFCI
2. FURNITURE, OFCI
3. PEMB COLUMN

FINISH PLAN NOTES

A. ALL PRODUCTS ARE TO BE INSTALLED PER MANUFACTURERS INSTRUCTIONS, USING MANUFACTURERS ADHESIVES, TOOLS AND METHODS.

B. REFER TO SPECIFICATIONS AND FINISH SCHEDULES FOR FURTHER FINISH MATERIAL PRODUCT INFORMATION.

C. SEE ELEVATIONS FOR ADDITIONAL FINISHES.

D. FOR CEILING HEIGHTS AND ADDITIONAL FINISHES SEE RCPS.

E. COORDINATE ALL OWNER FURNISHED EQUIPMENT, ACCESSORIES, AND FURNITURE WITH OWNER.

F. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.

G. ALL FLOOR TRANSITIONS ARE TO OCCUR DIRECTLY BENEATH DOOR U.N.O.

H. PROVIDE APPROPRIATE TRANSITIONS STRIPS/REDUCERS AT ALL LOCATIONS BETWEEN DIFFERING MATERIALS U.N.O. SEE TRANSITION CALL OUTS. ALL TRANSITIONS TO MEET ADA REQUIREMENTS.

I. REFER TO FINISH PLAN FOR LOCATION OF CORNER GUARDS. ALL CORNER GUARDS ARE TO BE INSTALLED WITH BOTTOM OF CORNER GUARD AT TOP OF WALL BASE AND EXTEND 48" AFF.

J. ALL GYPSUM CEILING TO BE PAINTED PT1 U.N.O.

K. ALL HOLLOW METAL DOORS AND FRAMES TO RECEIVE COLOR: PT2 U.N.O.

L. ALL METAL ACCESS PANELS, COVER PLATES, VENTS AND GRILLES TO BE PAINTED TO MATCH THE SURFACE IT IS LOCATED ON, UNLESS PREFINISHED.

M. ALL BASE CABINETS AND UPPER CABINETS ARE TO RECEIVE PLAM ON ALL EXPOSED EXTERIOR SURFACES AS INDICATED ON INTERIOR ELEVATIONS. ALL INTERIOR CONCEALED SURFACES TO RECEIVE WHITE MELAMINE. RUN WOOD GRAIN IN VERTICAL DIRECTIONS AND USE 0.020"THICK MATCHING VINYL EDGEBAND ON CABINET DOORS AND DRAWERS.

N. ALL COUNTERTOPS ARE RECEIVE BACKSPLASHES TO MATCH. PROVIDE PAINTABLE SEALANT AT WALL.

O. PAINT VISIBLE PORTION OF INSIDE OF DUCT WORK FLAT BLACK.

P. PAINT SHEEN = WALL: SATIN/EGG SHELL, CEILING: FLAT/MATTE, TRIM & DOOR FRAMES: SEMI-GLOSS

ADDITIONAL NOTES

1. PROVIDE FRP1 UP TO 48" A.F.F.

FINISH LEGEND

FLOOR FINISH
WALL FINISHES
ADDITIONAL NOTES
BASE FINISH

PT# EXTENT OF ACCENT PAINT OR WALL FINISHES

CG LOCATION OF CORNER GUARDS

X FINISH TAG

ROOM FINISH ABBREVIATIONS

FLOORING
SC SEALED CONCRETE

BASE
RB# RUBBER BASE

WALLS
PT# PAINT
GYP GYPSUM WALL BOARD

WALL PROTECTION
FRP# FIBER REINFORCED PLASTIC PANEL
CG# CORNER GUARD

CASEWORK
PLF PLASTIC LAMINATE

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BANDON SCHOOL DISTRICT #
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BANDON SCHOC
DISTRICT NEW B
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BANDON SCHOOL DISTRICT

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Δ	DATE:	Description

PROJECT NO.	C-1333-22
DRAWN:	LJS
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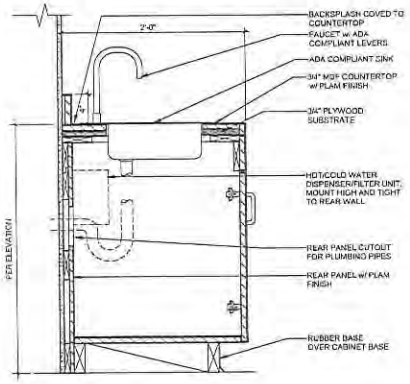
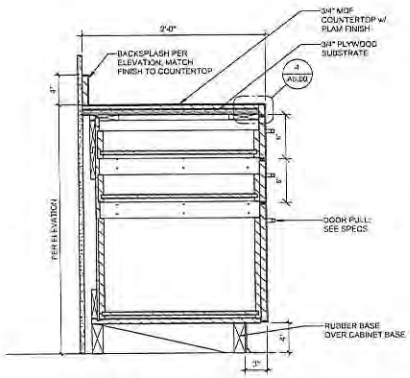
ENLARGED PLANS & INTERIOR ELEVATIONS

A7.00

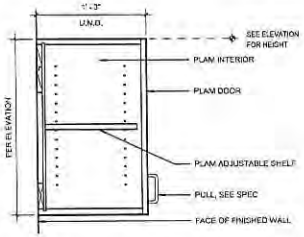
DO NOT SCALE FULL SCALE 11/10/2023 8:13:31 AM



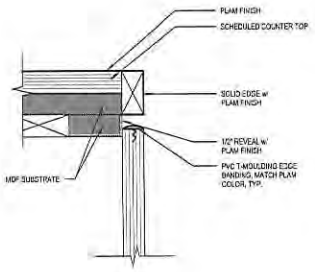
1 A8.00 BASE CABINET DETAIL- WITH SINK
1 1/2" = 1'-0"



2 A8.00 BASE CABINET DETAIL- WITH DRAWERS
1 1/2" = 1'-0"

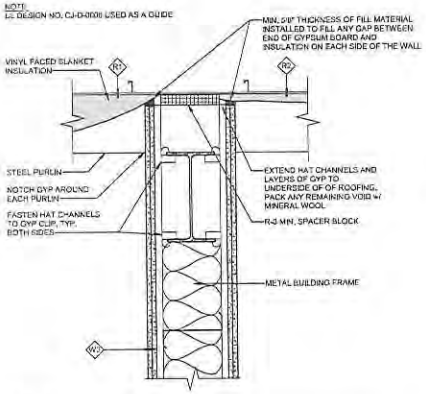


3 A8.00 WALL CABINENT W/ DOOR SHELVES
1 1/2" = 1'-0"

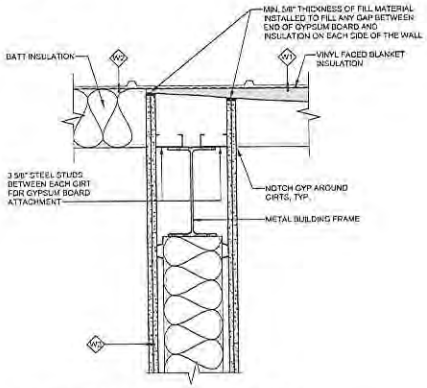


4 A8.00 TYP. EDGE DETAIL AT BASE CABINENT
6" = 1'-0"

NOTE:
LC DESIGN NO. CJ-D-0008 USED AS A GUIDE

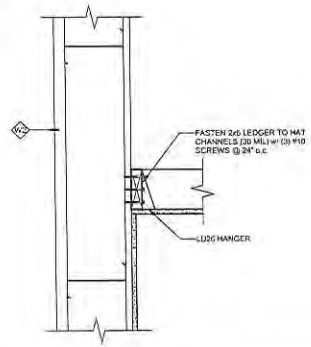


5 A8.00 TOP OF FIRE BARRIER
1 1/2" = 1'-0"



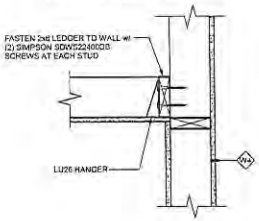
6 A8.00 FIRE BARRIER AT EXTERIOR WALL
1 1/2" = 1'-0"

NOTE:
INSULATION NOT SHOWN FOR CLARITY

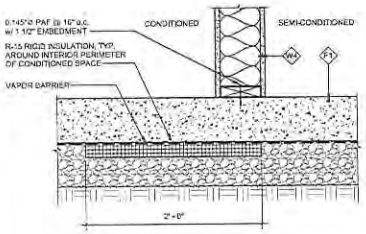


7 A8.00 CEILING LEDGER CONNECTION AT EXTERIOR
1 1/2" = 1'-0"

NOTE:
INSULATION NOT SHOWN FOR CLARITY



8 A8.00 CEILING CONNECTION AT INTERIOR WALL
1 1/2" = 1'-0"



9 A8.00 INTERIOR SLAB INSULATION
1 1/2" = 1'-0"

1" = 1'-0" IF NOT PLOTTED AT FULL SCALE 11/16/2023 8:13:32 AM

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BANDON SCHOOL DISTRICT #
455 9TH STREET SW
BANDON, OR 97411

BANDON SCHOC
DISTRICT NEW B
BARN

BANDO SCHOOL DISTRICT

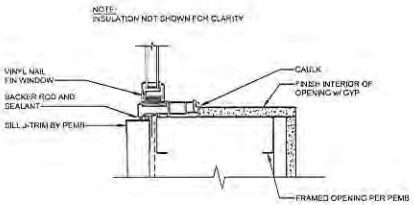
PRELIMINARY NOT FOR CONSTRUCTION

Δ	DATE:	Description

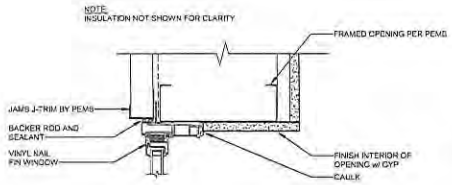
PROJECT NO.	G-1533-22
DRAWN:	LJS
CHECKED:	DDS
DATE:	11-07-2023

DETAILS

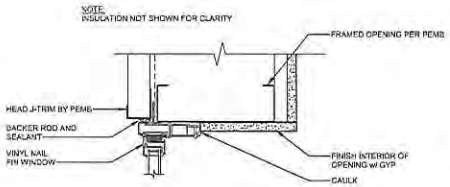
A8.00



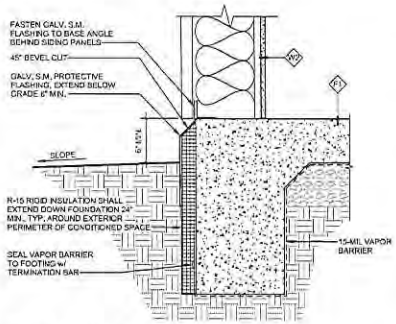
1 A8.10 WINDOW SILL
3" = 1'-0"



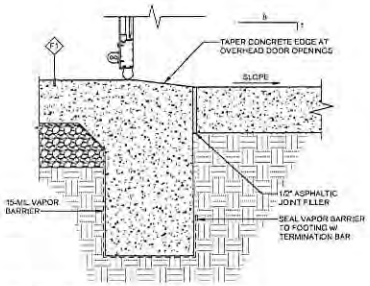
2 A8.10 WINDOW JAMB
3" = 1'-0"



3 A8.10 WINDOW HEAD
3" = 1'-0"



4 A8.10 EXTERIOR SLAB INSULATION
1 1/2" = 1'-0"



5 A8.10 SLAB AT OVERHEAD DOORS
1 1/2" = 1'-0"

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BANDON SCHOOL DISTRICT #
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BANDON, OR 97411

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BANDON SCHOOL DISTRICT

PRELIMINARY NOT FOR CONSTRUCTION

△	DATE:	Description

PROJECT NO.	G-1533-22
DRAWN:	LJS
CHECKED:	DDS
DATE:	11-27-2023

DETAILS

A8.10

DRAWING FORMAT FILE SCALE 11/9/2023 8:11:32 AM

01 33 00 SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES

1.1 SUMMARY
A. Shop drawing, product data, and sample requirements for all work specified.
B. Submittals for project closeout.
C. Related Section: Submittals in Division 1 which provides detailed information on submittal requirements and format.

1.2 REQUIREMENTS
A. Shop Drawings: Provide shop drawings in a clear and thorough manner. Identify details by reference to drawing and detail schedule, or room numbers shown.
B. Products or models: Show performance characteristics and capacities; show dimensions and clearances required. Show wiring or piping diagrams and controls.
C. Samples: Samples shall be of sufficient size and quality to clearly illustrate the following: Functional characteristics of the products, with integrally related parts and attachment devices and the full range of color, texture, and pattern.

1.3 SUBMITTALS REQUIRED
A. SHOP DRAWINGS: Provide shop drawings for the following specified items:
1. Roofing Assemblies: base flashings, membrane terminations, insulation layout and slopes, fastening patterns and spacing for insulation and roofing, details for curbs, pipe penetrations, and gutters.
2. Doors and Windows: plans, elevations, sections, details, and attachments to other work. Include details of provisions for system expansion and contraction and for drainage of moisture in the system to the exterior. Provide hardware schedule and indicate operating hardware types, functions, quantity, and locations.
3. Exterior Cladding Assemblies: installation layout showing details at edge conditions, joints, panel profiles, corners, anchorage, attachment system, trim, flashings, closures, and accessories and special details. Distinguish between factory, shop, and field assembled work.
4. Roof Specialties: plans, elevations, expansion joint locations, layout details, and attachments to other work.
B. PRODUCT DATA: Provide product data for the following specified items:
1. Thermal Insulation, Gypsum Assemblies, Weather Barriers, Acoustical Ceiling Panels: product data.
2. Sheet Metal Flashing: Maintenance data, warranty.
3. Joint Sealants: Product data, compatibility and adhesion test reports (from manufacturer), warranties.
4. Roof Assemblies: Product data, qualification data for manufacturer and installer, manufacturer certificate certifying roof complies with performance criteria, infrared test reports, maintenance data, warranties.
5. Exterior Cladding Assemblies: Product data, qualification data for manufacturer and installer, product test reports, maintenance data, warranties.
6. Doors and Windows, Glazing: Product data, product testing reports, hardware schedule (as applicable), maintenance data, warranty.
7. Resilient Base, Resilient Flooring, Tile Carpeting: Product data, maintenance data, warranties.
8. Painting: Product data, paint schedule indicating substrate, color, sheen, paint type, and primer.
C. SAMPLES: Provide physical samples for the following specified items.
1. Roof Assembly, exterior cladding assemblies: Provide standard color chart for selection if not indicated on drawings.
2. Finish flooring, wall base: Provide sample of type and color indicated on drawings.
3. Painting: Provide color samples of each color and sheen used on project.

03 35 00 CONCRETE FINISHING

1.1 SUMMARY
A. This section specifies sealing compounds for interior and exterior concrete surfaces.

1.2 REFERENCES
A. American Society for Testing and Materials:
1. ASTM C-309 – Standard Specification for Liquid Membrane Forming Compounds for Curing Concrete.
2. ASTM C-1315 – Standard Specification for Liquid Membrane Forming Compounds Having Special Properties for Curing and Sealing Concrete.

1.3 SUBMITTALS
A. Submit under provisions of Section 013300 – Submittal Procedures:
1. Product Data: Manufacturer's literature to include surface preparation, application instructions, recommendations and storage and handling requirements.
2. Test Data: Confirm compliance and performance with specified requirements.

1.4 QUALITY ASSURANCE
A. Applicator Qualifications: Applicator must have prior experience applying specified product or similar products, or have manufacturer's representative on site ensuring that preparation and application are performed correctly.

1.5 DELIVERY, STORAGE, AND HANDLING
A. Materials must be delivered in original, factory sealed containers with the manufacturer's labels including product name and batch numbers.
B. Store in cool dry area. Protect from freezing.

1.6 ENVIRONMENTAL REQUIREMENTS
A. Environmental Conditions: Do not apply material when temperature is below 45°F (7°C) or when temperature is expected to fall below 45°F within 48 hours.
B. Protection: Precautions should be taken to avoid damage to any surface near the work zone.

2.1 MANUFACTURER
A. Acceptable Manufacturer: US MIX Co., 112 South Santa Fe Drive, Denver, CO 80223; 800-397-9603, http://www.usmixco.com

2.2 MATERIALS
A. Concrete Sealing Compound:
1. US SPEC CS-25-1315
2. Type: Solvent-based, non-yellowing, VOC compliant, concrete sealing compound with acrylic polymers.
3. Compliance: ASTM C-309, Type I, Class B, ASTM C-1315 Type I, Class A. Minimum 25% solids content. Must be VOC compliant in accordance with EPA 40 CFR Part 59.
B. Slip-Resistant Treatment
1. Provide slip-resistant texture finish per manufacturer's standard on floor surfaces.

3.1 EXAMINATION
A. Examine areas to receive sealing compound. Notify Architect if surfaces are unacceptable. Do not begin application until unacceptable conditions are corrected.

3.2 APPLICATION
A. Apply sealing compound to concrete surfaces at a uniform rate in accordance with manufacturer's instructions.
B. Do not apply to concrete receiving toppings, epoxy coatings, urethane coatings, or epoxy adhesives.
C. Do not dilute curing and sealing compound.

3.3 PROTECTION
A. Protect surfaces from traffic until sealing compound has dried.

06 10 00 ROUGH CARPENTRY

1.1 SUMMARY
A. Section Includes:
1. Framing with dimensional lumber.
2. Wood blocking and nailers.
3. Wood furring.
4. Wood sleepers.

2.1 WOOD PRODUCTS, GENERAL
A. Lumber: Comply with DOC PS 20 and applicable rules of grading agencies indicated. If no grading agency is indicated, comply with the applicable rules of any rules-writing agency certified by the ALSC Board of Review. Grade lumber by an agency certified by the ALSC Board of Review to inspect and grade lumber under the rules indicated.
1. Factory mark each piece of lumber with grade stamp of grading agency.
2. For exposed lumber indicated to receive a stained or natural finish, omit grade stamp and provide certificates of grade compliance issued by grading agency.
3. Dress lumber, S4S, unless otherwise indicated.
B. Maximum Moisture Content:
1. Boards: 19 percent.
2. Dimension Lumber: 19 percent for 2-inch nominal (38-mm actual) thickness or less; 19 percent for more than 2-inch nominal (38-mm actual) thickness unless otherwise indicated.
3. Timber: 19 percent.
C. Engineered Wood Products: Acceptable to Authorities Having Jurisdiction and for which current model code research or evaluation reports exist that show compliance with building code in effect.
1. Allowable design stresses, as published by manufacturer, shall meet or exceed those indicated. Manufacturer's published values shall be determined from empirical data or by rational engineering analysis and demonstrated by comprehensive testing performed by a qualified independent testing agency.

2.2 PRESERVATIVE TREATMENT
A. Preservative Treatment by Pressure Process: AWPA U1; Use Category UC2 for interior construction not in contact with ground, Use Category UC3b for exterior construction not in contact with ground, and Use Category UC4a for items in contact with ground.
1. Preservative Chemicals: Acceptable to authorities having jurisdiction and containing no arsenic or chromium.
B. Kiln-dry lumber after treatment to a maximum moisture content of 19 percent. Do not use material that is warped or that does not comply with requirements for untreated material.
C. Mark lumber with treatment quality mark of an inspection agency approved by the ALSC Board of Review.
D. Application: Treat items indicated on Drawings, and the following:
1. Wood curbs, nailers, curbs, equipment support bases, blocking, stripping, and similar members in connection with roofing, flashing, vapor barriers, and waterproofing.
2. Wood sills, sleepers, blocking, and similar concealed members in contact with masonry or concrete.
3. Wood furring and furring attached directly to the interior of below-grade exterior masonry or concrete walls.
4. Wood floor plates that are installed over concrete slabs-on-grade.

2.3 DIMENSION LUMBER FRAMING
A. Non-Load-Bearing Interior Partitions by Grade: Construction or No. 2 grade.
1. Application: All interior partitions.
2. Species:
a. Douglas Fir.
B. Framing Other Than Non-Load-Bearing Partitions by Grade: No. 2 grade.
1. Application: Framing other than interior partitions.
2. Species:
a. Douglas fir-larch (north); NLGA.

2.4 MISCELLANEOUS LUMBER
A. Provide miscellaneous lumber indicated and lumber for support or attachment of other construction, including the following:
1. Blocking.
2. Nailers.
3. Furring.
B. Dimension Lumber Items: Construction or No. 2 grade lumber of any species.
C. Concealed Boards: 19 percent maximum moisture content and any of the following species and grades:
1. Northern species: No. 2 Common grade; NLGA.
2. Western woods: Construction or No. 2 Common grade; WCLIB or WWPA.

2.5 PLYWOOD BACKING PANELS
A. Equipment Backing Panels: Plywood, DOC PS 1, Exposure 1, C-D Plugged, fire-retardant treated, in thickness indicated or, if not indicated, not less than 1/2-inch (13-mm) nominal thickness.

2.6 FASTENERS
A. General: Fasteners shall be of size and type indicated and shall comply with requirements specified in this article for material and manufacture. Provide nails or screws, in sufficient length, to penetrate not less than 1-1/2 inches (38 mm) into wood members.
1. Where rough carpentry is exposed to weather, in ground contact, pressure-preservative treated, or in area of high relative humidity, provide fasteners with hot-dip zinc coating complying with ASTM A153/A153M or Type 304 stainless steel.
B. Power-Driven Fasteners: Fastener systems with an evaluation report acceptable to authorities having jurisdiction, based on ICC-ES AC70.
C. Post-Installed Anchors: Fastener systems with an evaluation report acceptable to authorities having jurisdiction, based on ICC-ES AC01, ICC-ES AC58, ICC-ES AC193, or ICC-ES AC308 as appropriate for the substrate.

2.7 METAL FRAMING ANCHORS
A. Allowable design loads, as published by manufacturer, shall meet or exceed those indicated. Manufacturer's published values shall be determined from empirical data or by rational engineering analysis and demonstrated by comprehensive testing performed by a qualified independent testing agency. Framing anchors shall be punched for fasteners adequate to withstand same loads as framing anchors.
B. Galvanized-Steel Sheet: Hot-dip, zinc-coated steel sheet complying with ASTM A653/A653M, G60 (Z180) coating designation.
1. Use for interior locations unless otherwise indicated.
C. Hot-Dip, Heavy-Galvanized Steel Sheet: ASTM A653/A653M; structural steel (SS), high-strength low-alloy steel Type A (HSLAS Type A), or high-strength low-alloy steel Type B (HSLAS Type B); G185 (Z550) coating designation, and not less than 0.036 inch thick.
1. Use for wood-preservative-treated lumber and where indicated.

3.1 INSTALLATION
A. Framing Standard: Comply with AF&PA's WCD 1, "Details for Conventional Wood Frame Construction," unless otherwise indicated.
B. Framing with Engineered Wood Products: Install engineered wood products to comply with manufacturer's written instructions.
C. Set work to required levels and lines, with members plumb, true to line, cut, and fitted. Fit rough carpentry accurately to other construction. Locate furring, nailers, blocking, and similar supports to comply with requirements for attaching other construction.
D. Install shear wall panels to comply with manufacturer's written instructions.
E. Install metal framing anchors to comply with manufacturer's written instructions. Install fasteners through each fastener hole.
F. Do not splice structural members between supports unless otherwise indicated.
G. Comply with AWPA M4 for applying field treatment to cut surfaces of preservative-treated lumber.
H. Where wood-preservative-treated lumber is installed adjacent to metal decking, install continuous flexible flashing separator between wood and metal decking.
I. Securely attach rough carpentry work to substrate by anchoring and fastening as indicated, complying with the following:
1. Table 2304.9.1, "Fastening Schedule," in ICC's International Building Code (IBC).
2. ICC-ES evaluation report for fastener.

3.2 PROTECTION
A. Protect rough carpentry from weather. If, despite prevention, rough carpentry becomes wet enough that moisture content exceeds that specified, apply EPA-registered fungicide treatment. Apply fungicide solution by sprayers to comply with EPA-registered label.

08 41 16 PLASTIC-LAMINATE-CLAD ARCHITECTURAL CABINETS

1.1 SUMMARY
A. Plastic-laminate-faced architectural cabinets.
B. Wood furring, blocking, shims, and hanging strips for installing plastic-laminate-faced architectural cabinets that are not concealed within other construction.

2.1 PLASTIC-LAMINATE-FACED ARCHITECTURAL CABINETS
A. Quality standard: Unless otherwise indicated, comply with the "Architectural Woodwork Standards" for grades of cabinets indicated for construction, finishes, installation, and other requirements.
B. Grade: Custom
C. Type of Construction: Frameless
D. Door and Drawer Front Style: Flush overlay
E. High-Pressure Decorative Laminate: NEMA LD 3, grades as indicated or if not indicated, as required by quality standard.
F. Manufacturers:
a. Approved Products
1. Formica Corporation.
2. Wilsonart.
G. Laminate Cladding for Exposed Surfaces:
1. Horizontal surfaces: Grade HGS.
2. Postformed surfaces: Grade HGP.
3. Vertical Surfaces: Grade VGS.
4. Edges: PVC edge banding, 12 inch (3 mm) thick, matching laminate in color, pattern, and finish.
5. Pattern Direction Vertically for drawer fronts, doors, and fixed panels.
H. Concealed backs of panels with exposed plastic-laminate surfaces: High-pressure decorative laminate, NEMA LD 3, Grade BKL.
I. Drawer Construction: Fabricate with exposed fronts fastened to subfront with mounting screws from interior of body, with subfronts, backs, and sides with glued dovetail joints.
J. Colors, patterns, and finishes: provide materials and products that result in colors and textures of exposed laminate surfaces complying with the schedule.

2.2 FIRE RETARDANT-TREATED MATERIALS
A. Fire-retardant-treated materials, generally where fire-retardant-treated materials are indicated, use materials that are acceptable to authorities having jurisdiction as determined by testing performed on identical products by a qualified testing agency.

2.3 WOOD MATERIALS
A. Maximum moisture content of lumber: 15 percent for 2" nominal (38-mm actual thickness or less; 19 percent for more than 2-inch nominal (38-mm actual) thickness unless otherwise indicated.

2.4 WOOD-PRESERVATIVE-TREATED LUMBER
A. Wood products: Provide materials that comply with requirements of referenced quality standard for each type of architectural cabinet and quality grade specified unless otherwise indicated. Wood moisture content is 5 to 19 percent.
B. Composite wood and agrifiber products: provide materials that comply with requirements of referenced quality standard for each type of architectural cabinet and quality grade specified unless otherwise indicated.
1. Medium-density fiberboard: ANSI A208.2, Grade 130.
2. Softwood plywood: DOC PS 1.
3. Thermofused decorative panels: MDF finished with thermally fused, melamine-impregnated decorative paper and complying with requirements of NEMA LD 3, Grade VGL, for Test Methods 3.3, 3.4, 3.6, 3.8, and 3.10.

2.5 CABINET HARDWARE AND ACCESSORIES
A. General: provide cabinet hardware and accessory materials associated with architectural cabinets except for items specified in Section 08 71 00 "Door Hardware."
B. Butt hinges: 2-3/4 inch (70 mm), five-knuckle steel hinges made from 0.095-inch (2.4-mm) thick metal, and as follows:
1. Semiconcealed hinges for flush doors: BHMA A156.9, B01361.
2. Semiconcealed hinges for overlay doors: BHMA A156.9, B01521.
C. Frameless concealed hinges (European type): BHMA A156.9, B21602, 100 degrees of opening.
D. Back-mounted pads: BHMA A156.9, B62011.
E. Wire pulls: Back mounted, solid metal, 4 inches (100 mm) long, 5/16 inch (8 mm) in diameter.
1. Material: As selected by Architect.
2. Finish: As selected by Architect.
F. Catches: magnetic catches, BHMA A156.9, B03141.
G. Adjustable shelf standards and supports: BHMA A156.9, B04071 with shelf rests, B04081.
H. Shelf rests: BHMA A156.9, B04012; metal.
I. Drawer slides: BHMA A156.9
1. Grade 1 and grade 2: Side mounted.
2. Grade 1HD-100 and grade 1HD-200: Side mounted, full-extension type, zinc-plated steel ball-bearing slides.
3. For drawers not more than 3 inches (75 mm) high and not more than 24 inches (600 mm) wide, provide Grade 2.
4. For drawers more than 3 inches (75 mm) high, but not more than 6 inches (150 mm) high not more than 24 inches (600 mm) wide, provide Grade 1HD-100. I.E. For drawers more than 6 inches (150 mm) high or more than 24 inches (600 mm) wide, provide Grade 1HD-200.
5. For computer keyboard shelves, provide Grade 1HD-100.
6. For trash bins not more than 26 inches (660 mm) high and 18 inches (400 mm) wide, provide Grade 1HD-200.
J. Door locks: BHMA A156.11, E07121
K. Drawer locks: BHMA A156.11, E07041
L. Door and drawer silencers: BHMA A156.16, L03011
M. Grommets for cable passage: 3-1/8" (79 mm), molded-plastic grommets and matching plastic caps with slot for wire passage.
N. Exposed hardware finishes: For exposed hardware, provide finish that complies with BHMA A156.18 for BHMA finish number indicated.
O. For concealed hardware, provide manufacturer's standard finish that complies with product class requirements in BHMA A156.9.

2.6 MISCELLANEOUS MATERIALS
A. Furring, blocking, shims, and hanging strips: softwood or hardwood lumber, kiln-dried to less than 15 percent moisture content.
B. Anchors: Select material, type, size, and finish required for each substrate for secure anchorage. Provide metal expansion sleeves or expansion bolts for post-installed anchors. Use nonferrous metal or hot-dip galvanized anchors and inserts at inside face of exterior walls and at floors.
C. Adhesive for bonding plastic laminate to contact cement. Adhesive for bonding edges is hot melt adhesive or adhesive specified above for faces.

2.7 FABRICATION
A. Complete fabrication, including assembly and hardware application, to maximum extent possible before shipment to Project site. Disassemble components only as necessary for shipment and installation. Where necessary for fitting at site, provide ample allowance for scribing, trimming, and fitting.
B. Sinks-cut openings to maximum extent possible to receive hardware, appliances, electrical work, and similar items. Locate openings accurately and use templates or roughing-in diagrams to produce accurately sized and shaped openings. Sand edges of cutouts to remove splinters and burrs.
C. Install glass to comply with applicable requirements in Section 08 80 00 "Glazing" and in GANA's "Glazing Manual".
1. For glass in frames, secure glass with removable stops, 2. For exposed glass edges, polish and grind smooth

3.1 INSTALLATION
A. Before installation, condition cabinets to humidity conditions in installation areas for not less than 72 hours.
B. Grade: Install cabinets to comply with quality standard grade of item to be installed.
C. Anchor cabinets to anchors or blocking built in or directly attached to substrates. Secure with water-head cabinet installation screws.
D. Install cabinets level, plumb, and true in line to a tolerance of 1/8 inch in 96 inches (3 mm in 2400 mm) unless concealed shims.
1. Scribe and cut cabinets to fit adjoining work, refinish cut surfaces and repair damaged finish at cuts.
2. Install cabinets without distortion so doors and drawers fit openings and are accurately aligned. Adjust hardware to center doors and drawers in openings and to provide uninterrupted operation. Complete installation of hardware and accessory items, as indicated.
3. Fasten wall cabinets through back, near top and bottom, and at ends not more than 16 inches (400 mm) o.c. with No. 10 water-head screws sized for not less than 1-1/2-inch (38 mm) penetration into wood framing, blocking, or hanging strips.

07 28 00 THERMAL INSULATION

1.1 SUMMARY
A. Perimeter wall insulation, below grade
B. Glass fiber blanket
C. See Division 07 Sections for insulation specified as part of roofing assembly

1.2 PERFORMANCE CRITERIA
A. Fire-Test-Response Characteristics: Provide insulation and related materials with the fire-test-response characteristics indicated. Identify materials with appropriate markings of applicable testing and inspecting agency.
1. Surface-Burning Characteristics: ASTM E 84
2. Fire-Resistance Ratings: ASTM E 119
3. Combustion Characteristics: ASTM E 136

2.1 PRODUCTS
A. Perimeter Wall Insulation: Extruded polystyrene board insulation, ASTM C 578, Type IV, 1 1/2" minimum thickness, R-7.5 minimum.
1. Continuous Ultra, the Dow Chemical Co.
2. FOAMULAR 150, Owens Corning
3. Or approved equal
B. Glass-Fiber Blanket Insulation: ASTM C 665. Type I, max flame-spread index = 25, max smoke-developed index = 50.

3.1 EXECUTION
A. Install insulation that is undamaged, dry, and unsoiled and that has not been left exposed at any time to the rain or snow.
B. Extend insulation in thickness indicated to envelop entire area to be insulated. Cut and fit tightly around obstructions and fill voids with insulation, remove projections that interfere.
C. Water-Piping Coordination: If water piping is located within insulated exterior walls, coordinate location of piping to ensure that it is placed on warm side of insulation and insulation encapsulates piping.
D. Perimeter Insulation:
1. If not otherwise indicated, extend insulation a minimum of 48 inches below extend grade line.
2. Set insulation units on vertical surfaces in adhesive recommended by manufacturer and protect from damage during backfilling by applying protection course with joints butted.
E. Glass-Fiber Blanket Insulation:
1. Use insulation widths and lengths that fill the cavities formed by framing members. If more than one length is required to fill cavity, provide lengths that will produce a snug fit between ends.
2. Place insulation in cavities formed by framing members to produce a friction fit between edges of insulation and adjoining framing members.
3. Maintain 3-inch clearance of insulation around recessed lighting fixtures.
4. For metal-framed wall cavities where cavity heights exceed 96 inches support unfaced blankets mechanically.
5. Split glass-fiber base fill insulation into miscellaneous voids and cavity spaces where shown. Compact to approximately 40% of normal maximum volume equalling a density of approximately 2.5 lb/cu. ft.

07 25 00 WEATHER BARRIERS

1.1 SUMMARY
A. Weather barrier membrane.

1.3 PERFORMANCE CRITERIA
A. Air Permeance: 0.001 cfm/sq.ft at 75Pa, when tested in accordance with ASTM E2178, Type Ipe ASTM E1677.
B. Water Vapor Transmission: 28 perms, when tested in accordance with ASTM E96, Method B.
C. Water Penetration Resistance: Min. 280 cm when tested in accordance with AATCC Test Method 127.
D. Basis Weight: Min. 2.7 oz/sq yd, when tested in accordance with TAPPI Test Method T410
E. Air Resistance: Air infiltration at >1500 seconds, when tested in accordance with TAPPI Test Method T460
F. Tear Resistance: 1210 lbs., when tested in accordance with ASTM D882, Method A
G. Tensile Strength: Min. 35/35 lbs/in, when tested in accordance with ASTM D882, Method A
H. Surface Burning Characteristics: Class A, when tested in accordance with ASTM E84, Flame Spread: 10, Smoke Developed: 10.

2.1 PRODUCTS
A. A non-perforated, non-woven, non-absorbing, breathable membrane that resists air flow, bulk water and wind driven rain and channels water and moisture to the outside of the building envelope.
B. Basis of Design Product: ThermaAll MaxTight, or approved equal.
Fasteners:
1. Steel Frame Construction: 1-3/4 inch pan head screw with 2-inch diameter plastic cap or manufacturer approved 1-1/4" or 2" metal gasketed washer.
2. Wood Frame Construction: Roofmasters #4 nails with large 1-inch plastic cap fasteners.
C. Sealants: Provide sealants that comply with ASTM C920 and are compatible with weather barrier; elastomeric acrylic-urethane blended polymer sealant to maintain watertight conditions.
D. Provide adhesives recommended by weather barrier manufacturer.
E. Provide membrane flashing and primer for window openings and penetrations recommended by weather barrier manufacturer.

3.1 EXECUTION
A. Install weather barrier prior to installation of windows and doors. Start weather barrier installation at a building corner, leaving 8-12 inches of weather barrier extended beyond corner overlap.
B. Install weather barrier in a horizontal manner starting at the lower portion of the wall surface with subsequent layers installed in a shingling manner to overlap lower layers. Maintain weather barrier plumb and level.
C. Overlap weather barrier:
1. Exterior corners: minimum 12 inches
2. Seams: minimum 6 inches
D. Attach weather barrier to studs through exterior sheathing. Secure using weather barrier manufacturer recommended fasteners, space 12-16 inches vertically on center along stud line and 24 inch on center, maximum horizontally.
E. Seal seams of weather barrier with seam tape at all vertical and horizontal overlapping seams. Seal any tears or cuts as recommended by weather barrier manufacturer.
F. Flashing at Openings
1. Cut flexible flashing a min. of 12 inches longer than width of sill rough opening.
2. Cover horizontal sill by aligning flexible flashing edge with inside edge of sill. Adhere to rough opening across sill and up jambs a minimum of 6 inches. Secure flashing tightly into corners by working in and applying pressure along the sill before adhering up the jambs.
3. Fan flexible flashing at bottom corners into face of wall. Firmly press in place. Mechanically fasten tapered edges.
4. Apply 4-inch wide strips of flashing at jambs. Align flashing with interior edge of jamb framing. Start flashing at head of opening and lap sill flashing down to the sill.
5. Spray-apply primer to top 6 inches of jamb and exposed sheathing.
6. Install flexible flashing at opening head using same installation procedures used at sill. Overlap jamb flashing a minimum of 2 inches.
7. Coordinate flashing with window installation.
8. On exterior, install backer rod in joint between window frame and flashed rough framing. Apply weather barrier manufacturer recommended sealant at jambs and head, leaving sill unsealed. Apply sealants in accordance with sealant manufacturer's instructions and ASTM C1193.
9. Position weather barrier head lap across head flashing. Adhere using flashing over the 45-degree seams.
10. Tape top of window in accordance with manufacturer recommendations.
11. On interior, install backer rod in joint between frame of window and flashed rough framing. Apply weather barrier manufacturer recommended sealant around entire window interior to create air seal. Apply sealant in accordance with sealant manufacturer's instructions and ASTM C1193.
D. Flashing at Flanged Window
1. Attach weather barrier membrane apron under sill. Extend apron a min. of 10 inches beyond sides of rough opening, and below the rough opening to overlap the sill plate or the weather barrier below. Securely attach sides of apron to wall, leaving bottom free to overlap later weather barrier installation.
2. Cut flashing a minimum of 12 inches longer than width of sill rough opening.
3. Cover horizontal sill by aligning flashing edge with inside edge of sill. Adhere to rough opening across sill and up jambs a minimum of 6 inches.
4. Fan flashing at bottom corners into face of wall. Firmly press in place. Mechanically fasten tapered edges.
5. On exterior, apply continuous bead of sealant to wall or backside of window mounting flange across jambs and head. Do not apply sealant across sill.
6. Coordinate with window installation.
7. Complete flashing after installation of windows/door:
a. Apply 4-inch wide strips of flashing at jambs overlapping entire mounting flange. Extend jamb flashing 1-inch above top of rough opening and below bottom edge of sill flashing.
b. Apply 4-inch wide strip of flashing as head flashing overlapping the mounting flange. Head flashing should extend beyond outside edges of both jamb flashings.
c. Position weather barrier head lap across head flashing. Adhere using 4-inch wide flashing over the 45-degree seams.
d. Tape head flap in accordance with manufacturer recommendations
e. On interior, install backer rod in joint between frame of window and flashed rough framing. Apply sealant around entire window to create air seal.

ZCS ENGINEERING ARCHITECTURE
524 Main Street, Suite 2, Oregon City, Oregon 97045 | 503-659-2205

BANDON SCHOOL DISTRICT #5
455 9TH STREET SW
BANDON, OR 97411

BANDON SCHOOL DISTRICT NEW B BARN

BANDON SCHOOL DISTRICT

PRELIMINARY NOT FOR CONSTRUCTION

	DATE:	Description
1	7/28/21	Addendum 1

PROJECT NO. 0-1533-22
DRAWN: LJS
CHECKED: DDS
DATE: 11-07-2023

SPECIFICATIONS

AS.10

DWG EXCHANGE FILE SCALE 15/09/2016 6:13:33 AM

07 26 00 VAPOR RETARDERS

1.1 SUMMARY
A. Section Includes:
1. Polyethylene vapor retarders.
2. Under-Slab Vapor Retarders.

2.1 POLYETHYLENE VAPOR RETARDERS:
A. Polyethylene Vapor Retarders: ASTM D4397, 15-mil-thick sheet, with maximum permeance rating of 0.1 perm.

2.2 UNDERSLAB VAPOR RETARDERS
A. Under-slab Vapor retarder shall have all of the following qualities.
1. Maximum permeance of less than 0.02 Perms (grains / (ft2 hr HHg)) as tested in accordance with mandatory conditioning tests per ASTM E1745 Section 7.1 (7.1.1-7.1.3).
2. Other performance criteria:
a. Strength: ASTM E1745 Class A.
b. Thickness: 15 mils minimum.
3. Provide third party documentation that all testing was performed on a single production roll per ASTM E1745 Section 9.1.

B. Vapor retarder products:
1. Stego of Design: Stego Wrap Class A Vapor Retarder by Stego Industries LLC., (877) 464-7834 HYPERLINK "http://www.stegoindustries.com" www.stegoindustries.com.
2. Other Approved Manufacturers: Subject to compliance with requirements, provide products by one of the following:
a. GCP Applied Technologies (formerly Grace Construction Products): www.gcp.com.
b. Raven Industries, Inc., www.ravenefil.com.
c. W. R. Meadows: www.wrmeadows.com

C. ACCESSORIES (Listed accessories comply with Stego system, if other manufacturer is used provide same manufacturers recommended accessories.)
1. Seams:
a. Stego Tape
2. Sealing Penetrations of Vapor Retarder:
a. Stego Mastic
b. Stego Tape
3. Perimeter/edge seal:
a. Stego Crete Claw
b. Stego Term Bar
c. StegoTack Tape (double-sided sealant tape)

3.1 INSTALLATION OF VAPOR RETARDERS ON FRAMING
A. Extend vapor retarders to perimeters of areas to protect from vapor transmission. Secure vapor retarders in place with adhesives, vapor retarder fasteners, or other anchorage system as recommended by manufacturer. Extend vapor retarders to cover miscellaneous voids in insulated substrates, including those filled with loose-fiber insulation.
B. Seal vertical joints in vapor retarders over framing by lapping no fewer than two studs and sealing with vapor-retarder tape according to vapor-retarder manufacturer's written instructions. Locate all joints over framing members or other solid substrates.
C. Seal joints caused by pipes, conduits, electrical boxes, and similar items penetrating vapor retarders with vapor-retarder tape to create an airtight seal between penetrating objects and vapor retarders.
D. Repair tears or punctures in vapor retarders immediately before concealment by other work. Cover with vapor-retarder tape or another layer of vapor retarders.

3.2 INSTALLATION OF BELOW-SLAB VAPOR RETARDERS:
A. PREPARATION
1. Ensure that subsoil is approved by Architect or Geotechnical Engineer.
a. Level and compact base material.
B. INSTALLATION (Installation instruction listed per Stego System, if other manufacturer is used install per that manufacturers recommended installation instructions.
1. Install vapor retarder in accordance ASTM E1643
a. Unroll vapor retarder with the longest dimension parallel with the direction of the concrete placement and face laps away from the expected direction of the placement whenever possible.
b. Extend vapor retarder to the perimeter of the slab. If practicable, terminate it at the top of the slab, otherwise (a) at a point acceptable to the structural engineer or (b) where obstructed by impediments, such as towers, waterstops, or any other site condition requiring early termination of the vapor retarder. At the point of termination, seal vapor retarder to the foundation wall, grade beam or slab leaf.
1) Seal vapor retarder to the entire perimeter wall or footing/grade beam with double sided StegoTack Tape, or both Stego Term Bar and StegoTack Tape, per manufacturer's instructions. Ensure the concrete is clean and dry prior to adhering tape.
c. Overlap joints 6 inches and seal with manufacturer's seam tape.
c. Apply seam tape/Crete Claw to a clean and dry vapor retarder.
e. Seal all penetrations (including pipes) per manufacturer's instructions.
f. For interior framing applications, avoid the use of non-permanent stakes driven through vapor barrier. Use Basal Form Stake and Basal Foot as a vapor barrier-safe forming system. Ensure Basal Foot's peelable-stick adhesive base is fully adhered to the vapor barrier.
g. If non-permanent stakes must be driven through vapor retarder, repair as recommended by vapor retarder manufacturer.
h. Use reinforcing bar supports with base sections that eliminate or minimize the potential for puncture of the vapor retarder.
i. Repair damaged areas with vapor retarder material of similar (or better) permeance, puncture and tensile.
j. For vapor barrier-safe concrete screeding applications, install Basal Screed (vapor barrier-safe screed system) per manufacturer's instructions prior to placing concrete.

C. PROTECTION
1. Protect vapor retarders from damage until concealed by permanent construction.

07 92 00 JOINT SEALANTS

1.1 SUMMARY
A. Acrylic Latex joint sealants.
B. Urethane joint sealants.
C. Silicone joint sealants.
D. Related Requirements:
a. Section 08 80 00 "Glazing" for coordination of glazing sealants.
b. Section 13 34 19 "Metal Building Systems" for coordination of roofing sealants.

1.2 QUALITY ASSURANCE
A. Preconstruction Field-Adhesion Testing: Before installing sealants, field test jobsites to Project joint substrates as follows:
1. For joints with dissimilar substrates, verify adhesion to each substrate separately, extend cut along one side, verify adhesion to opposite side. Repeat procedure for opposite side.
B. Compatibility: Provide joint sealants, backing, and other related materials that are compatible with one another and with joint substrates under conditions of service and application, as demonstrated by joint-sealant manufacturer, based on testing and field experience.
C. Suitability for Immersion in Liquids: Where sealants are indicated for use in for joints that will be continuously immersed in liquids, provide products that have undergone testing according to ASTM C 1247. Liquid used for testing sealants is deionized water U.N.O.
D. Stain-Test-Response Characteristics: Where sealants are specified to be non-staining to porous substrates, provide products that have undergone testing according to ASTM C 1248.
E. Suitability for Contact with Food: Where sealants are indicated for joints that will come in contact with food, provide products that comply with 21 CFR 177.2600.

2.1 PRODUCTS
A. Acrylic Latex Joint Sealants: ASTM C 834, Type O, Grade NF. Application: Permitted joints between interior wall surfaces, frames of interior doors, windows, elevator entrances etc. Paintable.
1. BASF Building Systems: Sonolac
2. Bostik Inc.; Chem-Calk 600
3. May National Assoc.; Bondaflex 600
4. Pecora Corp.; AC-20+
5. Sonneborn; Mameco; SM8200
6. Tremco Inc.; Tremflex 834
B. Acrylic Latex Sealants: ASTM C 834, Type O, Grade NF, non-staining, paintable. Application: Interior perimeter and concealed joints of acoustic partitions.
1. Mineral SCS-100
2. Pecora Corp.; AC-20 FTR Acoustical and Insulation Sealant.
3. US Gypsum Co.;SHEETROCK Acoustical Sealant.
C. Urethane Joint Sealants: Type M, Grade NS, Class 25, Uses (exposure) T and NT, Uses (substrates) M, A, O Application: Exterior vertical and horizontal non traffic joints in CIP and precast concrete, exterior control and expansion joints, exterior perimeter joins at frames of doors, windows, and louvers, vertical joins on exposed surfaces of interior concrete, vertical control and expansion joints on exposed interior surfaces of exterior walls.
1. BASF Building Systems; Sonolastic NP 2
2. May National Assoc.; Bondaflex PUR 2 NS
3. Pecora Corp.; Dynatred
4. Sika Corp.; Sikaflex - 2c NS or Sikaflex 2c EZ mix
5. Tremco; Vulkem 240 FC or Vulkem 227
D. Urethane Joint Sealants: Type S or M, Grade P, Class 50, Uses (exposure) T and NT, Uses (substrates) M, A, O (brick & ceramic tile) Application: Interior ceramic tile expansion, control, construction, and isolation joints in horizontal traffic surfaces, exterior horizontal nontraffic and traffic isolation and contraction joints in CIP concrete slabs.
1. Type M (multi-component)
a. Polymeric Systems, Inc.; PSI-270
b. Sonneborn, Division of ChemRex; SL-2
c. Tremco Inc.; Dymeric 240 FC
d. Pecora Corp.; Dynatrol II-G
e. Sika Corp., Sikaflex - 2c SL
2. Type S (single-component)
a. Polymeric Systems, Inc., PSI-901
b. Pacific Polymers Inc.; ElastoTherm 230 LM Type II
E. Silicone Joint Sealants: Type S, Grade NS, Class 25, Uses (exposure) NT, Uses (substrates) C, A, O (ceramic tile)Application: Interior joints between plumbing fixtures and adjoining walls, floors, and counters.
1. Mildew-Resistant Neutral-Curing Silicone Sealant
a. Pecora Corp., 898
2. Mildew-Resistant Acid-Curing Silicone Sealant
a. Dow Corning; 786 Mildew Resistant
b. GE Silicones; Sanitary SCS1700
c. Sonneborn, Division of ChemRex; OmniPlus
d. Tremco; Tremsil 200 White

08 11 13 HOLLOW METAL DOORS AND FRAMES

1.1 SUMMARY
A. Standard hollow metal doors and frames.
B. Related Requirements:
1. Section 09 91 00 "Painting" for coordination of paint colors and finishes.
2. Refer to Drawings for Door Hardware.

1.2 QUALITY ASSURANCE
A. Obtain hollow metal work from single source from single manufacturer.
B. Verify actual dimensions of openings by field measurements before fabrication.

1.3 PERFORMANCE CRITERIA
A. Fire-Rated Assemblies: Complying with NFPA 80 and listed and labeled by a qualified testing agency acceptable to AHJ, based on testing at positive pressure according to NFPA 252 or UL 10C.
B. Smoke and Draft-Control Assemblies: Provide an assembly with gasketed fabric and labeled by a qualified testing agency acceptable to the AHJ based on testing according to UL 1784 and installed in compliance with NFPA 105.
C. Cold-Rolled Steel Sheet: ASTM A 1008/A 1008M, Commercial Steel (CS), Type B, suitable for exposed applications.
D. Hot-Rolled Steel Sheet: ASTM A 1011/A 1011M, Commercial Steel (CS), Type B; free of scale, pitting, or surface defects, pickled and oiled.
E. Metallic-Coated Steel Sheet: ASTM A 653/A 653M, Commercial Steel (CS); Type B; with minimum G60 (Z180) or A60 (ZF180) metallic coating.
F. Frame Anchors: ASTM A 591/A 591M, Commercial Steel (CS), 40Z (120) coating designation; mill phosphatized.
G. Inserts, Bolts, and Fasteners: Hot-dip galvanized.
H. Grout: ASTM C 476, except with a maximum slump of 4 inches, as measured according to ASTM C 143/C 143M.

2.1 PRODUCTS
A. Manufacturers: Subject to compliance with requirements, but not limited to the following:
1. Armcast Building Products
2. Ceco Door Products
3. Steelcraft
4. Curries Company
5. Benchmark
6. Security Metal Products
B. Interior Doors and Frames: NAAMM-HMMA 861, cold-rolled steel sheet.
1. Doors:
a. Design: Flush panel
b. Thickness: 1-3/4 inches.
c. Level 3 and Physical Performance Level A (Extra Heavy Duty), Model 2 (seamless)
d. Finish: Factory primed, field painted
e. Fabricate with reinforcing plates from same material as door face sheet at hardware locations
f. Fabricate concealed stiffeners and hardware reinforcement from either cold rolled or hot rolled sheet.
2. Frames: mitered or coped corners, full profile welded, .053 inch thick steel sheet (16 ga), factory primed, field painted.
C. Exterior Doors and Frames: NAAMM-HMMA 861, Metallic coated steel sheet:
1. Doors:
a. Design: Flush panel
b. Thickness: 1-3/4" inches
c. Level 3 and Physical Performance Level A (Extra Heavy Duty), Model 2 (seamless)
d. Finish: Factory primed, field painted
e. Thermal-Rated (insulated), R-value not less than 6.0 deg F x ft x sq ft/Btu.
2. Frames: Mitered or coped corners, full profile welded, .053 inch thick steel sheet (16 ga), factory primed, field painted.
D. Accessories:
1. Jamb Anchors:
a. Masonry Type: Adjustable strap-and-stirrup or T-shaped anchors not less than .042 inch thick or wire anchors not less than .177 inch thick. Locate anchors no more than 18 inches from top and bottom of frame. Space anchors not more than 32 inches o.c.
b. Stud-Wall Type: Designed to engage stud, welded to back of frames, not less than .042 inch thick. Locate anchors no more than 18 inches from top and bottom of frame. Space anchors not more than 32 inches o.c.
c. Post Installed Expansion for in-place concrete or masonry: min. 3/8 inch diameter bolts with expansion shields or inserts. Provide pipe spacer from frame to wall with thread reinforcement plate, welded to frame at each anchor location. Locate anchors not more than 6 inches from top and bottom of frame, space anchors not more than 26 inches.
2. Stops and Moldings:
a. Moldings and loose stops for glazed lites in doors: Min .032 inch thick, fabricated from same material as door face sheet.
b. Fixed Stops and Moldings: Formed integral with hollow metal frames, a min. 5/8 inch high, provide on outside of exterior doors and secure side of interior doors.
3. Door Sweeps: Except on weatherstripped doors, drill stops to receive door sweeps as follows:
a. Single door frames: Drill stop in strike jamb for three sweeps.
b. Double door frames: Drill stop in head jamb for two sweeps.
4. Ceiling Struts: Min. 1/4 inch thick by 1 inch thick

3.1 EXECUTION
A. Set frames accurately in position, plumbed, aligned, and braced securely until permanent anchors are set.
B. Fill all voids with mortar.
C. Metal stud partitions: Solidly pack mineral-fiber insulation behind frames. Concrete walls: Solidly fill space between frames and concrete with grout. Brace frames as necessary to prevent deformation or damage by grout forces.
D. Ceiling struts: extend struts vertically from top of frame at each jamb to header unless frame is anchored to masonry or other structural support at each jamb. Bend top of struts to provide flush contact for securing to supporting construction. Provide adjustable wedged or tested anchorage to frame jamb members.
E. Fit hollow metal doors in frames within clearances specified:
1. Non-fire-rated doors:
a. Jambs and heads: 1/8 inch plus or minus 1/16 inch.
b. Between edges of pair of doors: 1/8 inch plus or minus 1/16 inch.
c. Between bottom of door and top of threshold: Max .3/8 inch.
d. Between bottom of door and top of finish floor: Max .3/4 inch.
2. Fire-rated doors: Install according to NFPA 80
3. Smoke-control doors: Install according to NFPA 105

08 36 13 SECTIONAL DOORS

1.1 SUMMARY
A. Overhead Sectional Doors.

1.2 SUBMITTALS
A. Shop Drawings: Indicate opening dimensions and required tolerances, connection details, anchorage spacing, hardware locations, and installation details.
B. Product Data: Show component construction, anchorage method, hardware, and accessories.

2.1 PRODUCTS:
A. Manufacturers:
1. Wayne-Dalton.
2. Overhead Door Company.
B. Basis of Design: Thermospan Model 150 manufactured by Wayne-Dalton.
1. Steel Doors: Flush steel, insulated; follow the roof pitch opening slope with track and hardware; complying with DASMA 102, Commercial operation.
2. Performance: Withstand positive and negative wind loads equal to 1.5 times design wind loads specified by local code without damage or permanent set, when tested in accordance with ASTM E330/E330M, using 10 second duration of maximum load.
3. Door Nominal Thickness: 2 inches thick.
4. Thermal Resistance: Uvalue of 0.310, maximum, for overall thickness indicated.
5. Exterior Finish: Factory finished with polyester baked enamel, color as selected from manufacturers standard line.
6. Interior Finish: Factory finished with polyester baked enamel, color as selected from manufacturers standard line.
7. Glazed Lights: Full-view lites, one row, set in place with resilient glazing channel.
8. Operation: electric with backup chain hoists.
9. Door Panels: Steel construction; outer steel sheet of 20 gage, 0.0359 inch minimum thickness, flush profile; inner steel sheet of 28 gage, 0.015 inch minimum thickness, flat profile; core reinforcement sheet steel roll formed to channel shape, ribboned weather joints at meeting rails; polyurethane insulation.
10. Window Frame: manufacturers standard, painted to match.
11. Glazing: fully tempered glass; insulated; clear; 1/2 inch thick.
C. Components:
1. Track: rolled galvanized steel, 0.040 inch minimum thickness, 2 inch wide, continuous one piece per side; galvanized steel mounting brackets 1/4 inch thick.
2. Hinge and Roller Assemblies: Heavy duty hinges and adjustable roller holders of galvanized steel; floating hardened steel bearing rollers, located at top and bottom of each panel, each side.
3. Lift Mechanism: Torsion spring on cross head shaft, with braided galvanized steel lifting cables.
4. Sill Weatherstripping: Roll formed steel section full height of jamb, fitted with resilient weatherstripping, placed in moderate contact with door panels.
5. Head weatherstripping: EPDM rubber seal; one piece full length.
7. Panel Joint Weatherstripping: Neoprene foam seal, one piece full length.
8. Lock: Inside center mounted, adjustable keeper, spring activated latch bar with feature to retain in locked or recycled position, interior and exterior handle.

3.1 EXECUTION
A. Installation:
1. Install door unit assembly in accordance with manufacturer's instructions.
2. Anchor assembly to wall construction and building frame without distortion or stress.
3. Securely brace door tracks suspended from structure. Secure tracks to structural members only.
4. Fit and align door assembly including hardware.
5. Coordinate installation of electrical service. Complete power and control wiring from disconnect to unit components.
6. Install perimeter trim and closures.
7. Mount bottom retainer for the photo-electric switch at 18 inches above the top of concrete slab. Mount the photo cell at 42 inches, diagonally across the opening aimed at an angle to hit the photo-eye so as to interrupt the line of sight by the door opening.
8. Mount remote control receiver for hand held transmitters at +60° A.F.F. Individual up/down/up button controls and radio receivers are to be mounted on the left side of each overhead door, when facing the doors from the inside of the Bays. Verify exact locations with Owner prior to installation.

08 53 13 VINYL WINDOWS

1.1 SUMMARY
A. Vinyl Framed Windows
B. Related Section
1. Glazing

1.2 QUALITY ASSURANCE
A. Verify actual locations of structural supports for aluminum-framed systems by field measurements before fabrication and indicate measurements on Shop Drawings.

1.3 PERFORMANCE CRITERIA
A. Structural Loads:
a. Wind loads as indicated on structural drawings.
b. Other loads as indicated on structural drawings.
B. Provide vinyl windows tested for thermal performance according to AAMA/WDMA 101/I.S.2/NAFS, Performance class and grade: CW40
C. Condensation-Resistance Factor (CRF): Provide vinyl windows tested for thermal performance according to AAMA 1503, showing a CRF of 52.
D. Thermal Transmittance: Provide vinyl windows with a whole-window U factor not, indicated at 15-mph exterior wind velocity and winter condition temperatures when tested according to AAMA 1503. U-Factor: 0.25 Btuh/sq.ft.x deg. F or less.
E. Solar Heat Gain Coefficient (SHGC): Provide vinyl windows with a whole-window SHGC max. of 0.34, determined according to NFRC 200 procedures.
F. Sound Transmission Class (STC): Provide glazed windows rated for not less than 35 STC when tested for laboratory sound transmission loss according to ASTM E 90 and determined by ASTM E 413.
G. Air Infiltration: Max. rate not more than indicated when tested according to AAMA/WDMA 101/I.S.2/NAFS, Air Infiltration Test. Max. Rate: 0.3 cfm/sq.ft. of area at an inward test pressure of 6.24 lbf/sq. ft. (300 Pa).
H. Water Resistance: No water leakage as defined by AAMA/WDMA referenced test methods at a water test pressure equaling that indicated, when tested according to AAMA/WDMA 101/I.S.2/NAFS, Water Resistance Test. Test Pressure: 20 percent of positive design pressure, but not more than 15 lbf/sq.ft. (720 Pa).

2.1 PRODUCTS
A. Manufacturers: See drawings for basis of design system or comparable product by one of, but not limited to, the following:
1. JeldWen
2. Milgard
3. Pella
4. Marvin
5. Simonton
B. Framing Members: Vinyl to be rigid (unplasticized) hollow PVC extrusions, formulated and extruded for exterior applications, complying with AAMA/WDMA 101/I.S.2/NAFS and the following:
1. PVC Resins: 100 percent virgin resin.
2. PVC Formulation: High impact, low heat buildup, lead free, nonchalking, and color and UV stabilized.
3. Extrusion Wall Thickness: Not less than 0.125 inch
4. Multichamber Extrusions: Profile designed with two chambers between interior and exterior faces of the extrusion.
5. Integral Finish and Color: uniform, solid, homogenous interior and exterior color as selected from manufacturers standard colors.
C. Fasteners: Aluminum, nonmagnetic stainless steel, epoxy adhesive, or other materials warranted by manufacturer to be noncorrosive and compatible with vinyl window members, cladding, trim, hardware, anchors, and other components.

3.1 EXECUTION
A. Factory-glazed Fabrication: Except for light sizes in excess of 100 united inches, glaze vinyl windows in the factory where practical and possible.
B. Install windows level, plumb, square, true to line, without distortion or impeding thermal movement, anchored securely in place to structural support, and in proper relation to wall flashing and other adjacent construction.
C. Set sill members in bed of sealant or with gaskets as indicated for weather tight construction. Shim jambs as needed for a straight installation.
D. Remove film from glass and clean exterior and interior surface and glass with mild soap and water.

08 80 00 GLAZING

1.1 SUMMARY
A. Glazing for windows.

1.3 PERFORMANCE CRITERIA
A. General: Installed glazing systems shall withstand normal thermal movement and wind and impact loads (where applicable) without failure, including loss or glass breakage attributable to the following: defective manufacture, fabrication, or installation, failure of sealants or gaskets to remain watertight and airtight, deterioration of glazing materials; or other defects in construction.
B. Thermal movements: allow for thermal movements from ambient and surface temperature changes acting on glass framing members and glazing components. Temperature change: 120 deg F ambient; 180 deg F movement surface.
C. Safety glazing labeling: where safety glazing labeling is indicated, permanently mark glazing with certification label of the SGCC or another certification agency acceptable to authorities having jurisdiction or the manufacturer. Label shall indicate manufacturer's name, type of glass, thickness, and safety glazing standard with which glass complies.

2.1 PRODUCTS
A. Insulating Glass Units: Factory-assembled units consisting of sealed lites of glass separated by a dehydrated interspace, qualified according to ASTM E 2190, and complying with other requirements specified.
1. Sealing system: Dual seal, with manufacturer's standard primary and secondary.
2. Spacer: Manufacturer's standard spacer material and construction
3. Desiccant: Molecular sieve or silica gel, or blend of both.
B. General: Solar Control Low-E Insulating Glass.
C. Basis of Design Product: Oldcastle Glass, PPG Solarban 60 on Clear Low E #2
1. Overall unit thickness and thickness of each lite: 1 inch and 1/4 inch
2. Interspacial content: air
3. Interior Lite: Type 1 (transparent glass, flat), class 1 float glass, annealed.
4. Outdoor Lite: Type 1 (transparent glass, flat), class 2 (heat strengthened and light reducing) float glass, annealed.
5. Low-E Coating: Sputtered on second surface.
6. Visible Light Transmittance: 35 percent
7. Solar Heat Gain Coefficient: 0.33 maximum
8. Outdoor Visible Reflectance: 6 percent
9. Relative Heat Gain: 38 btu/h

3.1 EXECUTION
A. Protect glass edges from damage during handling and installation. Remove damaged glass from Project site and legally dispose of off Project site. Damaged glass is glass with edge damage or other imperfections that, when installed, could weaken glass and impair performance and appearance.
B. Provide spacers for glass lites where length plus width is larger than 50 inches. Locate spacers directly opposite each other on both inside and outside faces of glass. Install correct size and spacing to preserve required face clearances. Provide 1/8 inch minimum bite of spacers on glass, and use thickness equal to sealant width. With glazing tape, use thickness slightly less than final compressed thickness of tape.
C. Protect exterior glass from damage immediately after installation by attaching crossed streamers to framing held away from glass. Do not apply markers to glass surface. Remove temporarily labels and clean surfaces.
D. Wash glass on both exposed surfaces in each area of Project not more than four days before date scheduled for inspections that establish date of substantial completion

ZCS ENGINEERING ARCHITECTURE
524 Main Street, Suite 2, Oregon City, Oregon 97045 | 503-655-2205

BANDON SCHOOL DISTRICT #
455 9TH STREET SW
BANDON, OR 97411

BANDON SCHOOL DISTRICT NEW BARN

BANDON SCHOOL DISTRICT

PRELIMINARY NOT FOR CONSTRUCTION

DATE:	Description

PROJECT NO.	G-1533-22
DRAWN:	LJS
CHECKED:	DDS
DATE:	11-07-2023

SPECIFICATIONS

AS.11

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09 21 16 GYPSUM BOARD ASSEMBLIES

1.1 SUMMARY
- A. Interior gypsum wallboard
- B. Exterior gypsum sheathing
- C. Cementitious backer board

2.1 PRODUCTS
- A. Gypsum Wallboard: ASTM C 36, Type X, tapered, 5/8-inch thickness.
- B. Abuse-Resistant and Water-Resistant Gypsum Wallboard: Type X, tapered, 5/8-inch thickness.
  1. USG Fiberock Brand VHI (Very High Impact) Abuse-Resistant Gypsum Fiber Panels
  2. National Gypsum Co., Hi Abuse XP or Hi Impact XP
- C. Moisture and Mold Resistant Gypsum Wallboard: ASTM C1396, ASTM D3273, regular, tapered, 5/8" thickness
- D. Perforated Gypsum Board: 1/2" thickness, GypSorb, see Finish Schedule for type and pattern.
- E. Exterior Gypsum Sheathing: ASTM C 1177/1177M, Type X, 5/8-inch thickness.
  1. CertainTeed Corp.; GlassRoc
  2. Georgia-Pacific Building Products; Dens-Glass Gold
  3. National Gypsum Company, Gold Bond eXP Extended Exposure Sheathing
  4. Temple-Inland Building Products by Georgia Pacific; GreenGlass Exterior Sheathing
  5. USG Co.,Securock
- F. Cementitious Backer Board: ANSI A118.9 or ASTM C1325, thickness 5/8-inch
  1. Custom Building Products: Wonderboard
  2. USG Composition:Durock Cement Board
- G. Trim Accessories, Corner beads, edge trim, and control joints complying with ASTM C 1047. Material: formed metal, plastic, or metal combined with paper. Metal to be sheet steel zinc-coated by hot-dip process or electrolytic processes, or with aluminum or rolled zinc.

3.1 EXECUTION
- A. On ceilings, apply gypsum panels prior to wallfurring board application to the greatest extent possible. Gypsum panels can be installed parallel to framing at max. 16-inches on center, perpendicular to framing at max. 24-inches on center.
- B. On walls, install gypsum panels vertically (parallel to framing) on framing at max. 24-inches on center. Stagger abutting end joints of adjacent panels not less than on framing member.
- C. Control joints and expansion joints:
  1. Partitions or ceilings: where element crosses a construction joint (expansion or control) in the base building structure.
  2. Partitions: uninterrupted run in a straight plane shall not exceed 30 lineal feet.
  3. Ceilings (with perimeter relief): linear direction shall not exceed 50 feet and total area between control joints shall not exceed 2,500 square feet.
  4. Ceilings (without perimeter relief): Linear direction shall not exceed 30 feet and total area between control joints shall not exceed 900 square feet.
  5. Ceilings, where framing members change direction.
  6. Where a control joint occurs in an acoustical or fire-rated system, blocking shall be provided behind the control joint by using a backing material such as 5/8-in Type X gypsum or mineral wool.
- D. Level of Finish: Provide the following level of gypsum board finish per GA-214
  1. Level 1 for ceiling plenum areas, concealed areas, and where indicated, unless a higher level of finish is required for fire-resistive-rated assemblies.
  2. Level 2 for gypsum board used as a substrate for tile.
  3. Level 3 for spray on texture, light orange peel.
  4. Level 4 for gypsum board to be painted.
  5. Level 5 for gypsum board where applied graphic wall coverings are indicated.

09 65 13 RESILIENT BASE AND ACCESSORIES

1.1 SUMMARY
- A. Thermoset rubber base
- B. Rubber transition accessories

1.2 EXTRA MATERIALS
- A. Furnish 1 box of each type, color, pattern, and size of extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.

2.1 PRODUCTS
- A. Thermoset Rubber Base
  1. ASTM F 1861, Type TS, Group 1 (solid homogeneous), .125-inch thickness.
  2. Style and Location:
     - a. Style A, Straight: Provide in areas with carpet.
     - b. Style B, Cove: Provide in areas with resilient floor coverings.
  3. Outside Corners: Preformed.
  4. Inside Corners: Job formed.
  5. Color: See finish schedule for height and color.
- B. Rubber Transition Accessories:
  1. Rubber reducer strips, transition strips, and carpet reducer for transitions between flooring finishes. See finish schedule for types and locations.
- C. Installation Materials
  1. Trowelable Leveling and Patching Compounds: Latex-modified, portland-cement-based or blended hydraulic-cement-based formulation provided or approved by resilient-product manufacturer for applications indicated.
  2. Adhesives: Water-resistant type recommended by resilient-product manufacturer for resilient products and substrate conditions indicated.
  3. Stair-Tread Nose Filler: Two-part epoxy compound recommended by resilient stair-tread manufacturer to fill nosing substrates that do not conform to tread contours.
  4. Floor Polish: Provide protective, liquid floor-polish products recommended by resilient stair-tread manufacturer.

3.1 EXECUTION
- A. Resilient base and accessories:
  - a. Do not install resilient products until materials are the same temperature as space where they are to be installed.
  - b. Apply resilient base to walls, columns, pilasters, casework and cabinets in few spaces and other permanent fixtures. Install preformed corners before installing straight pieces.
  - c. Install preformed corners before installing straight pieces.
  - d. On masonry surfaces or other similar irregular substrates, fill voids along top edge of resilient base with manufacturers recommended adhesive filler.

09 91 00 PAINTING

1.1 SUMMARY
- A. Interior painting
- B. Exterior painting

1.2 REGULATORY AGENCY REQUIREMENTS
- A. Removal of any Lead-base Paint Products (exceeding 20 ft of exterior surface or 6 sq ft of interior surface) must be performed by Workers who have been pre-certified by EPA.
- B. Existing structure is older than 1978, therefore, comply with Federal Dust Removal Law requirements including the following:
  1. Provide HEPA Filter equipped vacuums and other necessary dust-removal tools

1.3 SITE CONDITIONS
- A. Perform work only under the following conditions, unless otherwise instructed by Manufacturer:
  1. Maximum relative humidity: 85%
  2. Ambient air temperatures are between 50 degrees and 95 degrees F.
- B. Maximum moisture content of substrates, when measured with an electronic moisture meter:
  1. Concrete: 12%
  2. Masonry (clay and CMU): 12%
  3. Wood: 15%
  4. Portland cement plaster: 12%
  5. Gypsum board: 12%

2.1 EXTERIOR PAINTING SCHEDULE
- A. Basis of Design is Sherwin Williams, see Finish Schedule for colors.
- B. Concrete
  1. Previously coated surfaces: Loxon Conditioner
  2. Primer: Loxon Concrete & Masonry Primer Sealer
  3. (2) Top coats: A8-400 Conflex XL Smooth Elastomeric High Build Coating
- C. CMU
  1. Previously coated surfaces: Loxon Conditioner
  2. Primer: Loxon Block Surface
  3. (2) Top coats: A8-400 Conflex XL Smooth Elastomeric High Build Coating
- D. Metal
  1. Primer: Pro-Industrial Pro-Cryl Universal Primer
  2. (2) Top coats: Pro Industrial Water Based Acrylic 100 Urethane
- E. Wood
  1. Primer: Exterior Latex Wood Primer
  2. (2) Top coats: A-100 Exterior Latex Satin

2.2 INTERIOR PAINTING SCHEDULE
- A. Basis of Design is Sherwin Williams, see Finish Schedule for colors. Provide appropriate primer for each substrate per manufacturer.
- B. Concrete:
  1. Walls: (2) Top coats - Pro Industrial Pre-Catalyzed Waterbased Epoxy Semi-Gloss
  2. Ceilings: (2) Top coats - ProMar 200 Zero VOC Latex Satin
- C. Offices:
  1. Walls: (2) Top coats - ProMar 200 Zero VOC Interior Latex Satin
- D. Ceilings: (2) Top coats - ProMar 200 Zero VOC Latex Eggshell Restrooms, kitchen, cafeteria, locker rooms
  1. Walls & Ceilings: (2) Top coats - Pro Industrial Waterborne Catalyzed Epoxy Semi-Gloss
- E. Door Frames, Window Frames, Trim:
  1. (2) Top coats - Pro Industrial Acrylic Semi-Gloss
- F. Exposed Metal Decking or Bar Joists:
  1. (2) Top coats - Pro Industrial Waterborne Acrylic Drylall Egg Shell

3.1 SURFACE PREPARATION
- A. Aluminum: Remove all oil, grease, dirt, oxide and other foreign material by cleaning per SSPC-SP1 Solvent Cleaning.
- B. CMU & Concrete: Remove all loose mortar and foreign material, fill bug holes, air pockets, and other voids with a cement patching compound. Concrete and mortar must be cured at least 30 days.
- C. Cement siding/panels: Wash surface with appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface.
- D. Interior drywall: All screw/nail heads must be set and spackled, joints taped and muddied, sanded smooth, and all dust removed from surface.
- E. Galvanized metal: Clean per SSP-SP1 using detergent or a degreasing cleaner to remove greases and oils.
- F. Plaster: Damaged areas must be repaired with an appropriate patching material. Bare plaster must be cured and hard. Textured, soft, porous, or powdery plaster should be treated with a solution of 1 pint household vinegar to 1 gallon of water. Repeat until surface is hard, rinse with clear water, and allow to dry.
- G. Steel: Remove all loose mill scale, loose rust, and other foreign material. Clean with solvent per SSPC-SP1, removing all visible oil, grease, soil, drawing and cutting compounds. Change rags and cleaning solution frequently.
- H. Wood: Knots, pitch streaks must be scraped, sanded, and spot primed before full priming coat is applied. Patch all nail holes with wood filler or putty and sand smooth.
- I. Mildew: Remove any mildew by scrubbing with trisodium phosphate solution, treat with bleach solution, rinse with clean water, and allow surfaces to completely dry.

10 05 23 FIRE EXTINGUISHERS AND CABINETS

1.01 SUMMARY
- A. Provide fire extinguishers and cabinets.

1.02 SUBMITTALS
- A. Product Data: Submit manufacturer's product data and installation instructions for each material and product used.
- B. Shop Drawings: Submit shop drawings indicating material characteristics, details of construction, connections, and relationship with adjacent construction.

1.03 QUALITY ASSURANCE
- A. Comply with governing codes and regulations. Provide products of acceptable manufacturers which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.
- B. Standards: UL and FM listed products, NFPA 10.
- C. Regulations: ADAAG.

2.01 MATERIALS
- A. Manufacturer: J. L. Industries, Larson's Manufacturing, Potter-Roemer, or approved equal.
- B. Fire Extinguishers.
  1. Type: Multipurpose dry chemical type.
  2. Rating: Sized for project requirements.
  3. Public Area Mounting: Cabinet mounted.
  4. Service Area Mounting: Metal brackets.
- C. Cabinets:
  1. Mounting: Semi-recessed.
  2. Trim: Exposed.
  3. Doors: Enamelled steel, baked enamel finish.
  4. Door Style: Pivot-lift.

3.01 INSTALLATION
- A. Install materials and systems in accordance with manufacturer's instructions and approved submittals. Install materials and systems in proper relation with adjacent construction and with uniform appearance. Coordinate with work of other sections.
- B. Install fire extinguishers in mechanical and service areas with wall-hung brackets at locations and heights indicated and acceptable to authorities having jurisdiction.
- C. Install fire extinguishers in cabinets in public areas plumb and level at heights acceptable to authorities having jurisdiction.
- D. Restore damaged finishes. Clean and protect work from damage.

10 26 00 WALL PROTECTION

1.1 SUMMARY
- A. Fiberglass Reinforced Wall Panels
- B. Corner guard

1.2 PERFORMANCE CRITERIA
- A. FRP: ASTM E84, comply with ASTM D 5319. Laminated backside of panel with moisture resistant sheet.
- B. Corner Guard: ASTM E84, ASTM F476, and ASTM D543. Flame spread less than 25 and smoke development 450 or less.

2.1 PRODUCTS
- A. Fiberglass reinforced thermosetting polyester resin panel sheet.
  1. Manufacturer: Construction Specialties or equal
  2. Style: Standard FRP
  3. Surface: Smooth
  4. Mounting: Construction grade adhesive supplied by manufacturer. Panel edges to be concealed with caulk joint or trim option.
  5. Color and Texture: As selected by Architect from manufacturer's full range.
- B. Surface Mounted PETG Corner Guard.
  1. Manufacturer: Acrovyn or equal
  2. Style: 3" Leg with a 3/8" wall offset
  3. Surface: Shadowgram texture
  4. Mounting: Manufacturer's recommended instructions.
  5. Color: See Finish Schedule A0.30

3.1 EXECUTION
- A. Complete finishing operations, including painting, before installing wall protection.
- B. Before installation, clean substrate to remove dust, debris, and loose particles.
- C. For impact-resistant wall protection strips attached with adhesive or foam tape, verify compatibility with and suitability of substrates, including compatibility with existing finishes or primers.
- D. Install wall protection according to manufacturer's written instructions, level, plumb, and true to line without distortions. Do not use materials with chips, cracks, voids, stains, or other defects that might be visible in the finished work.
- E. Immediately after completion of installation, clean plastic covers and accessories using a standard ammonia-based household cleaning agent.
- F. Remove excess adhesive using methods and materials recommended in writing by manufacturer.

ZCS ENGINEERING ARCHITECTURE
524 Main Street, Suite 2, Oregon City, Oregon 97045 | 503-656-2205

BANDON SCHOOL DISTRICT #1
455 9TH STREET SW
BANDON, OR 97411

BANDON SCHOO DISTRICT NEW B BARN

BANDON SCHOOL DISTRICT

PRELIMINARY NOT FOR CONSTRUCTION

△	DATE:	Description

PROJECT NO.	G-1503-22
DRAWN:	LJS
CHECKED:	DDS
DATE:	11-07-2023

SPECIFICATIONS

AS.12

22 00 00 PLUMBING DESIGN-BUILD PERFORMANCE SPECIFICATION

1.01 DESCRIPTION OF WORK
- A. This project consists of a public bid job for a new Bus Barn for the Bandon School District located in Bandon, Oregon. Refer to construction drawings for additional information and scope of work. This Specification Section covers design/build performance requirements for the plumbing systems. The project shall include the following line items as part of the bid:
  - 1. Base Bid:
    - a. Refer to drawings for scope of work
- B. Perform a detailed field investigation and prepare design documents with Oregon Mechanical engineer's stamp and signature, suitable for plan check submission and construction.

1.02 SECTION INCLUDES
- A. Design and construction of complete Plumbing systems.

1.03 RELATED SECTIONS
- A. See other Specification Sections.

1.04 REFERENCES
- A. Plumbing system design shall be in accordance with the requirements of the Oregon Plumbing Specialty Code (OPSC) and local laws and ordinances.
- B. OMSC - 2022 Oregon Mechanical Specialty Code
- C. OESC - 2021 Oregon Electrical Specialty Code
- D. OSSC - 2022 Oregon Structural Specialty Code
- E. OEESC - 2021 Oregon Energy Efficiency Specialty Code

1.05 REQUIREMENTS
- A. The Plumbing drawings shall be provided by the Contractor.
- B. Submit to the Owner for review:
  - 1. Reviewing Agency Submittal. 10 days after receiving Reviewing Agency comments.
  - 2. Construction shall not commence until the detailed drawings, Specifications, and engineering calculations have been accepted and approved by the Owner and the Reviewing Agency.
- C. Construction Documents and Reviewing Agency Submittals:
  - 1. Drawings shall be scalable, dated, stamped and signed by the Contractor's Registered Mechanical Engineer for the State of Oregon, and shall be provided in PDF and hardcopy format, 24"x36" size.
  - 2. Drawings and Specifications shall be suitable for submission to the Reviewing Agency for review.
- D. If applicable, coordinate with the mechanical and electrical design contractors and their engineers for the Plumbing equipment being installed as part of this project.

1.06 SUBMITTALS FOR REVIEW
- A. Construction Documents Components (in addition to Design Development Components):
  - 1. Drawings including:
    - a. Complete Plumbing Systems Floor Plan Drawings.
    - b. Oregon engineering stamp with signature.
- B. Reviewing Agency Submittal:
  - 1. Reviewing Agency comments and Contractor responses.
  - 2. Drawings with Reviewing Agency comments incorporated.
  - 3. Plumbing Specifications.
  - 4. Final stamped, signed and approved drawings suitable for construction.

3.01 GENERAL
- A. Drawings:
  - 1. Coordinate drawings with other disciplines, including Architectural, structural, civil, mechanical (HVAC) and electrical.
- B. Existing Documentation:
  - 1. Coordinate with ZCS Engineering to obtain record documents (drawings and/or Specifications) of the design.
- C. Plumbing Design:
  - 1. Plumbing calculations and design shall be performed in accordance with the requirements of the Oregon Plumbing Specialty Code (OPSC).
  - 2. Slope drainage lines as determined by the existing connection point, but not less than 1/8-inch per foot.
  - 3. Insulate all potable hot water lines as specified in the Oregon Energy Efficiency Code.
  - 4. Insulate all cold water lines to prevent condensation.
  - 5. Set pipe shall be cast iron.
  - 6. Potable water lines shall be copper, type L for above grade and type K for below grade.

3.02 FIELD INVESTIGATION
- A. Perform an extensive field investigation and record information required to perform the Plumbing Systems design described herein.
- B. The field investigation shall cover:
  - 1. All areas required to complete this project's scope of work.

3.05 PLUMBING DESIGN
- A. Coordinate with the Owner, Architect, and other disciplines to determine locations and space requirements of all new fixtures.
- B. See Architect Plumbing Schedule for Basis of Design fixtures.

23 00 00 MECHANICAL DESIGN-BUILD PERFORMANCE SPECIFICATION

1.01 DESCRIPTION OF WORK
- A. This project consists of a public bid job for a new Bus Barn for the Bandon School District located in Bandon, Oregon. Refer to construction drawings for additional information and scope of work.
  - 1. Base Bid Building:
    - a. Refer to drawings for scope of work.
- B. Perform a detailed field investigation and prepare design documents with Oregon Mechanical engineer's stamp and signature, suitable for plan check submission and construction.

1.02 SECTION INCLUDES
- A. Design and construction of mechanical heating system under the base bid.

1.03 RELATED SECTIONS
- A. See other Specification Sections.

1.04 REFERENCES
- A. Heating, ventilating, and cooling system design shall be in accordance with the requirements of the Oregon Mechanical Specialty Code (OMSC), local laws and ordinances and with load calculations in accordance with ASHRAE procedures.
- B. OMSC - 2022 Oregon Mechanical Specialty Code
- C. OESC - 2021 Oregon Electrical Specialty Code
- D. OSSC - 2022 Oregon Structural Specialty Code; and,
- E. OEESC - 2021 Oregon Energy Efficiency Specialty Code.

1.05 REQUIREMENTS
- A. The Mechanical (HVAC) Drawings shall be provided by the Contractor.
- B. Submittals shall be submitted to the Owner for review.
  - 1. Construction shall not commence until the detailed Drawings, Specifications, and engineering calculations have been accepted and approved by the Owner and the Reviewing Agency.
- C. Construction Documents and Reviewing Agency Submittals:
  - 1. Drawings shall be scalable, dated, stamped and signed by the Contractor's Registered Mechanical Engineer for the State of Oregon, and shall be provided in PDF and hardcopy format, 24"x36" size.
  - 2. Specifications shall be provided in hardcopy format, 8.5"x11" size.
  - 3. Drawings and Specifications shall be suitable for submission to the Reviewing Agency for review.
- D. Coordinate with the electrical design-build Contractor and his electrical engineer for the mechanical equipment being installed as part of the project.
- E. Provide Structural Engineering analysis and design of Structure to accommodate all HVAC equipment added by this scope of work.

1.06 SUBMITTALS FOR REVIEW
- A. Construction Documents Components:
  - 1. Drawings including:
    - a. Mechanical Systems Plan Drawings;
    - b. Mechanical sectional drawings, if required for clarity;
    - c. Completed mechanical energy code forms;
    - d. HVAC heating and cooling load calculations and ductwork static pressure loss calculations for fan selections;
  - 2. Mechanical Specifications.
- B. Reviewing Agency Submittal
  - 1. Reviewing Agency comments and Contractor responses.
  - 2. Drawings with Reviewing Agency comments incorporated.
  - 3. Mechanical Specifications.
  - 4. Final stamped, signed and approved drawings suitable for construction.

3.01 GENERAL
- A. Drawings.
  - 1. Coordinate drawings with other disciplines, including architectural, structural, plumbing, and electrical.
  - 2. Screened line types and fonts shall represent work that is not included in this contract.
  - 3. Bold line types and fonts shall represent work that is included in this contract.
  - 4. Revisions to drawings after the construction Documents submittal shall be noted with:
    - a. Revision notes in the drawing title block including the revision number, brief description, date, and initials of the person responsible for the revision.
    - b. "Clouds" encompassing the drawing revision.
    - c. "Delta" blocks adjacent to the clouds with revision numbers corresponding to the associated title block revision notes.
- B. Existing Documentation:
  - 1. Coordinate with ZCS Engineering to obtain record documents (drawings and/or Specifications) of the design.
- C. Mechanical Design:
  - 1. Mechanical Calculations and design shall be performed in accordance with the requirements of the OMSC and ASHRAE.
  - 2. Coordinate with the Owner, Engineer, and other disciplines to determine locations and space requirements of all new equipment and ductwork.

26 00 00 ELECTRICAL DESIGN-BUILD PERFORMANCE SPECIFICATION

1.01 DESCRIPTION OF WORK:
- A. This project consists of a public bid job for a new Bus Barn for the Bandon School District located in Bandon, Oregon. This Specification Section covers design/build performance requirements for the electrical systems. The project shall include the following line items as part of the bid:
  - 1. Base Bid:
    - a. Refer to drawings for scope of work
- B. Work specified in this Section shall be designed under the responsible charge of a professional engineer registered in the State of Oregon. Design documents shall be stamped and signed.
- C. Design documents shall meet all of the following requirements:
  - 1. Suitable for review by the Owner and the Owner's consultants.
  - 2. Meet the requirements of Authorities Having Jurisdiction, including but not limited to the Building Department, the Fire Marshal, the power company, and the Gaston Rural Fire District.
  - 3. Conform to codes, laws, and ordinances as called for in this Specification.

1.02 ASSUMPTION
- A. The existing service is sized to accommodate this project's loads.

1.03 SECTION INCLUDES
- A. Design and construction of electrical power distribution and lighting systems.

1.04 RELATED SECTIONS
- A. See other Specification Sections (mechanical and structural).

1.05 REFERENCES:
- A. Electrical and lighting system design shall be in accordance with the requirements of the National Electrical Code (NEC), Oregon Electrical Specialty Code (OESC) and local laws and ordinances.
- B. NEC - 2020 National Electrical Code
- C. OESC - 2021 Oregon Electrical Specialty Code
- D. OSSC - 2022 Oregon Structural Specialty Code
- E. OEESC - 2021 Oregon Energy Efficiency Specialty Code

1.06 REQUIREMENTS
- A. The electrical and lighting system drawings shall be provided by the Contractor.
- B. Submittals shall be submitted to the Owner for review coinciding with the construction schedule. It is the responsibility of the Electrical Contractor to coordinate these submittals. Any lead-time issues need to be brought to the General Contractor's attention within 10 days of receiving signed contracts.
  - 1. Construction shall not commence until the detailed drawings, Specifications, and engineering calculations have been accepted and approved by the Owner and the Reviewing Agencies.
- C. Construction Documents and Reviewing Agency Submittals:
  - 1. Drawings shall be scalable, dated, stamped and signed by the Contractor's Registered Electrical Engineer for the State of Oregon, and shall be provided in PDF and hardcopy format, 24"x36" size.
  - 2. Specifications shall be provided in hardcopy format, 8.5"x11" size.
  - 3. Drawings and Specifications shall be suitable for submission to the Reviewing Agency for review.
- D. Coordinate with the mechanical design contractor for mechanical equipment being installed as part of the project.

1.07 SUBMITTALS FOR REVIEW
- A. Construction Documents Components:
  - 1. Field investigation report including items described in Part 2.
  - 2. Drawings including:
    - a. Locations of major equipment requiring new or modified power distribution design.
    - b. Convenience receptacle and data.
    - c. Lighting control/dimming schemes.
    - d. Photometric plot lines identifying general and emergency lighting foot-candle levels for the space.
  - 3. Light fixture schedule for new fixtures, describing for each fixture type:
    - a. Assigned fixture tag.
    - b. Manufacturer and model number.
    - c. Light fixture type (recessed can, troffer, strip, etc.).
    - d. Mounting height.
    - e. Fixture dimensions.
    - f. Diffuser type.
    - g. Mounting type (suspended, T-bar, surface, etc.).
    - h. Quantity and lamp type (2) F32T8, (1) 32W CFL, etc.).
    - i. Ballast quantity, type, and voltage.
    - j. Actual power usage, including ballast.
    - k. Energy Code-assigned power usage.
  - 4. Light fixture catalog cut sheets, for each fixture type, shall include the following information:
    - a. Photometric performance.
  - 5. Electrical Specifications outline.
    - a. Completed lighting energy code forms.
    - b. Oregon engineering stamp with signature.
  - 6. Electrical Specifications.
- B. Reviewing Agency Submittal.
  - 1. Reviewing Agency comments and Contractor responses.
  - 2. Drawings with Reviewing Agency comments incorporated.
  - 3. Electrical Specifications.
  - 4. Final stamped, signed and approved drawings suitable for construction.

3.01 GENERAL
- A. Drawings:
  - 1. Coordinate drawings with other disciplines, including architectural, structural, civil, landscape, and mechanical.
  - 2. Screened line types and fonts shall represent work that is not included in the contract.
  - 3. Bold line types and fonts shall represent work that is included in the contract.
  - 4. Revisions to drawings after the Construction Documents submittal shall be noted with:
    - a. Revision notes in the drawing title block including the revision number, brief description, date, and initials of the person responsible for the revision.
    - b. "Clouds" encompassing the drawing revision.
    - c. "Delta" blocks adjacent to the clouds with revision numbers corresponding to the associated title block revision notes.
- B. Existing Documentation:
  - 1. Coordinate with ZCS Engineering and Architecture to obtain record documents (drawings and/or Specifications) of the design.
- C. Electrical Design:
  - 1. Electrical calculations and design shall be performed in accordance with the requirements of the NEC.
- D. Lighting Design:
  - 1. Lighting design, calculations, and lamp types shall meet the requirements of the OEESC.

3.02 FIELD INVESTIGATION
- A. Perform an extensive field investigation and record information required to perform the electrical and lighting designs described herein.
- B. The field investigation shall cover:
  - 1. All areas required to complete this project's scope of work

3.05 ELECTRICAL DESIGN
- A. Coordinate with the Owner, Architect, and other disciplines to determine locations and electrical requirements of all new equipment requiring power distribution.
- B. Conduit and Feeders:
  - 1. Feeders shall be copper.
  - 2. Voltage drop from the utility meter to the furthest electrical load shall not exceed 5%.
  - 3. Sizes shall be per NEC requirements.
  - 4. Conductors shall not be smaller than #12 gauge.
  - 5. Determine routing to new mechanical systems, lighting, and other new equipment.
  - 6. Routing shall be designed to avoid penetrations of load bearing walls and structural supports, obtain written approval from the Structural Engineer where penetrations occur.
  - 7. Minimum size conduit shall be 1/2-inch, except 3/4-inch minimum shall be used for underground conduit.
- C. Receptacles:
  - 1. Spacing shall be 12 feet on-center maximum, or as needed to meet the furniture layouts indicated in the drawings.
  - 2. Height shall be 18" above finished floor, 48" above finished floor when installed above a countertop, or as required by the equipment served by the receptacle.
  - 3. When located in a bathroom/restroom, outside, or within 6 feet of the outside edge of a sink, receptacles shall have ground-fault-circuit-interrupter protection.
  - 4. Weatherproof GFCI receptacle shall be within 25 feet of outdoor mechanical equipment.

3.06 LIGHTING DESIGN
- A. Minimum lighting intensities shall meet the following design criteria:
  - 1. Exterior: Average of 2 foot-candles at ground level, not to exceed 50 foot-candles.
- B. See Architect Luminaire Schedule for Basis of Design fixtures.

ZCS ENGINEERING ARCHITECTURE
524 Main Street, Suite 2, Oregon City, Oregon 97045 | 503-496-2205

BANDON SCHOOL DISTRICT #
455 9TH STREET SW
BANDON, OR 97411

BANDON SCHOOL DISTRICT NEW BUS BARN

BANDON SCHOOL DISTRICT

PRELIMINARY NOT FOR CONSTRUCTION

Δ	DATE:	Description

PROJECT NO.	G-1503-22
DRAWN:	LJS
CHECKED:	DDS
DATE:	11-07-2023

SPECIFICATIONS

AS.13