

**TENTATIVE AGENDA & MEETING NOTICE
BOARD OF COUNTY COMMISSIONERS**

**TUESDAY, APRIL 16, 2024
5:30 P.M.**

**WATAUGA COUNTY ADMINISTRATION BUILDING
COMMISSIONERS' BOARD ROOM**

TIME	#	TOPIC	PRESENTER	PAGE
5:30	1	CALL REGULAR MEETING TO ORDER		
	2	APPROVAL OF MINUTES: April 2, 2024, Regular Meeting April 2, 2024, Closed Session		1
	3	APPROVAL OF THE APRIL 16, 2024, AGENDA		9
5:35	4	PUBLIC COMMENT – Will last up to 1-hour dependent on number of speakers	CHAIRMAN TURNBOW	11
5:40	5	PROPOSED PROCLAMATION FOR RESILIENT & THRIVING COMMUNITIES WEEK	MS. KELLIE BASS	13
5:45	6	PROPOSED LETTER OF SUPPORT FOR VAYA TO BE THE ADMINISTRATOR OF THE CFSP	MR. DUSTIN BURLESON	17
5:50	7	TAX MATTERS A. Monthly Collections Report B. Refunds and Releases C. Board of Equalization and Review (E&R) Schedule	MR. LARRY WARREN	21 23 31
5:55	8	PUBLIC HEARING REQUEST FOR ORDINANCE UPDATE	MR. WILL HOLT	35
6:00	9	MISCELLANEOUS ADMINISTRATIVE MATTERS A. Valle Crucis School Change Order #3 and #4 B. Budget Amendments C. Announcements	MR. DERON GEOUQUE	81 259 261
6:05	10	BREAK		261
6:10	11	CLOSED SESSION Attorney/Client Matters – G. S. 143-318.11(a)(3)		263
6:30	12	ADJOURN		

AGENDA ITEM 2:

APPROVAL OF MINUTES:

April 2, 2024, Regular Meeting

April 2, 2024, Closed Session

DRAFT

MINUTES
WATAUGA COUNTY BOARD OF COMMISSIONERS
TUESDAY, APRIL 2, 2024

The Watauga County Board of Commissioners held a regular meeting, as scheduled, on Tuesday, April 2, 2024, at 5:30 P.M. in the Commissioners' Board Room located in the Watauga County Administration Building, Boone, North Carolina.

Chairman Turnbow called the meeting to order at 5:30 P.M. The following were present:

PRESENT: Larry Turnbow, Chairman
 Charlie Wallin, Vice-Chairman
 Todd Castle, Commissioner
 Braxton Eggers, Commissioner
 Ray Russell, Commissioner
 Andrea Capua, County Attorney
 Deron Geouque, County Manager
 Anita J. Fogle, Clerk to the Board

Commissioner Castle opened with a prayer and Commissioner Eggers led the Pledge of Allegiance.

APPROVAL OF MINUTES

Chairman Turnbow called for additions and/or corrections to the February 29 & March 1, 2024, special meeting minutes as well as the March 19, 2024, regular minutes and closed session minutes.

Commissioner Eggers, seconded by Commissioner Castle, moved to approve the February 29 & March 1, 2024, special meeting minutes as presented.

VOTE: Aye-5
 Nay-0

Commissioner Eggers, seconded by Commissioner Castle, moved to approve the March 19, 2024, regular meeting minutes as presented.

VOTE: Aye-5
 Nay-0

Commissioner Eggers, seconded by Commissioner Castle, moved to approve the March 19, 2024, closed session minutes as presented.

VOTE: Aye-5
 Nay-0

APPROVAL OF AGENDA

Chairman Turnbow called for additions and/or corrections to the April 2, 2024, agenda.

County Manager Geouque requested to add a closed session for attorney/client matters, per G. S. 143-318.11(a)(3) and possible action after closed session.

The County Manager also requested to add a discussion regarding a Town of Boone parking proposal.

Vice-Chairman Wallin, seconded by Commissioner Russell, moved to approve the April 2, 2024, agenda as amended.

VOTE: Aye-5
Nay-0

PUBLIC COMMENT

There was no public comment.

PROPOSED CMT AND ENGINEERING CONTRACT WITH INTERFACE ENVIRONMENTAL CONSULTANTS FOR MIDDLE FORK GREENWAY

Ms. Wendy Patoprsty, Middle Fork Greenway, requested approval of a contract with Solid Rock Engineering in the estimated amount of \$32,000. The contract was for materials testing and engineering services for the Middle Fork Greenway (Section 4) Tweetsie Railroad Underpass. Ms. Patoprsty stated that construction would begin on April 15, 2024, which was the date the trout moratorium would expire. County Attorney Capua stated that she had no issues with the agreement. Ms. Patoprsty also stated that there will be a per-day fine if the work isn't completed by July 7, 2024. A ribbon cutting ceremony will be scheduled for the summer. All expenses associated with this contract will be paid by Middle Fork Greenway. County funds were not required.

Commissioner Russell, seconded by Commissioner Eggers, moved to approve the contract with Solid Rock Engineering with an estimated amount of \$32,000 with Middle Fork Greenway to pay all expenses related to this contract.

VOTE: Aye-5
Nay-0

SHERIFF'S OFFICE COVID GRANT FUND FOR FLOCK SAFETY

Captain Preston Russell, Watauga County Sheriff's Office, requested approval for the expenditure of the remainder of the COVID assistance grant for Flock Safety in the amount of \$50,650. The contract total was \$50,650 which included service and installation fees for a five-year period. No county match was required.

Vice-Chairman Wallin, seconded by Commissioner Russell, moved to approve the contract and terms for a five-year period in the amount of \$50,650 for Flock Security.

VOTE: Aye-5
Nay-0

MISCELLANEOUS ADMINISTRATIVE MATTERS

A. Proposed Audit Contract for Fiscal Year Ending June 30, 2024

Mr. Deron Geouque, County Manager/Finance Director, requested approval of the Fiscal Year 2023-2024 audit contract and engagement letter with C. Randolph CPA, PLLC. The contract amount of \$49,200 covers the annual audit. Adequate funds were available to cover the expenditure.

Commissioner Russell, seconded by Vice-Chairman Wallin, moved to accept the contract with C. Randolph, CPA, PLLC for the County's Fiscal Year 2023-2024 audit in the amount not to exceed \$49,200.

VOTE: Aye-5
Nay-0

B. Appointment of New County Attorney

County Manager Geouque stated that the County was recently made aware of the dissolution of di Santi Capua & Garrett, Attorneys at Law, current County Attorney. As such, the Board is required to appoint a new county attorney/firm. Ms. Capua of di Santi Capua & Garrett, Attorneys at Law will be joining the law firm of Capua Law and is interested in continuing as the County Attorney with her new firm.

Chairman Turnbow, seconded by Vice-Chairman Wallin, moved to appoint Capua Law as the County's Attorney.

VOTE: Aye-5
Nay-0

C. Boards and Commissions

County Manager Geouque presented the following:

Blowing Rock Planning Board and Board of Adjustment ETJ Representative

The Blowing Rock Town Council recommends Mr. Joseph "Woody" Hubbard be appointed to serve as an Extra-Territorial Jurisdiction (ETJ) representative on Blowing Rock's Planning Board and Board of Adjustment. The County Manager shared that, due to time constraints, the Town of Blowing Rock had respectfully requested a waiver of the first reading so the recommendation can

be considered for a vote at the April 2nd meeting which would allow Mr. Hubbard to be appointed at the April 18th Blowing Rock Planning Board meeting.

Commissioner Castle, seconded by Commissioner Eggers, moved to waive the second reading and appoint Mr. Joseph “Woody” Hubbard as the Extra-Territorial Jurisdiction (ETJ) representative on the Blowing Rock Planning Board and Board of Adjustment.

VOTE: Aye-5
Nay-0

EMS Advisory Committee

The EMS Advisory Committee recommends the reappointment of Mr. Floyd Hicks and appointment of Mr. Bob Pudney to fill two At-Large positions. Mr. Hicks has served the EMS Advisory Board for many years and Mr. Pudney is the Manager of the Town of Beech Mountain as well as the Fire Chief of the Beech Mountain Volunteer Fire Department.

Commissioner Eggers, seconded by Commissioner Castle, moved to reappoint Mr. Floyd Hicks and appoint Mr. Bob Pudney to fill two At-Large positions on the EMS Advisory Committee.

VOTE: Aye-5
Nay-0

D. Town of Boone Parking Proposal

County Manager Geouque stated that he, Commissioner Eggers (as a downtown business owner), and Mr. Charles Haynes, Clerk of Court, recently met with Town of Boone representatives who shared the Town’s parking proposal which included the following:

Recover Downtown Parking Spaces (effective January 1, 2025):

- 30 spaces on Queen Street to be removed from County use when deck is complete (Est. Dec 2024), and converted to permit parking
- 30 Library spots to be returned to County control
- Juror pass parking at town meters will end when deck is complete

County Manager Geouque stated that staff wanted to keep the spaces near the Courthouse. There are more parking needs near the Courthouse than at the Library where there is a 20% vacancy rate of the spaces currently used for Library attendees. The County also does not agree with ending the juror pass parking. Mr. Geouque stated that the parking deck will benefit the Town by allowing parking after 5:00 P.M. on weekdays and all day on Saturdays and Sundays. The County Manager stated that the Town of Boone said that the Human Services parking lot could be used for juror parking.

Commissioner Eggers stated that juror parking was needed near the Courthouse as it was not easy for many to walk long distances to get to the Courthouse to serve their civic duty. Vice-Chairman Wallin stated that he shared the same concern when the Town and County discussed parking several years ago. Commissioner Eggers stated that the parking deck would be beneficial even if

he wasn't in favor of spending funds for the construction. Commissioner Russell stated that it made no sense to make parking more difficult for jurors.

Chairman Turnbow stated that the proposal made no sense for the Town to want to switch parking spaces when they currently draw income by leasing the spaces behind the Library building. Also, if the 30 spaces near the Courthouse were taken from the County's use, that parking would be absorbed into the parking deck leaving less for jurors.

After discussion and by consensus, the Board agreed to have Chairman Turnbow and Commissioner Castle meet with Mayor Futrelle and a Town Councilperson to discuss the issue further.

E. Announcements

County Manager Geouque announced the following:

The Board of Commissioners are invited along with the School Board to a tour of the new Valle Crucis School on April 19, 2024, at 2:00 P.M. Following the tour, at 3:30 P.M., Chairman Turnbow will tour the current Valle Crucis School with a group interested in retaining the building for historical purposes. There may be a quorum present at one or both of the tours.

CLOSED SESSION

At 6:01 P.M., Vice-Chairman Wallin, seconded by Commissioner Russell, moved to enter Closed Session to discuss Attorney/Client Matters, per G. S. 143-318.11(a)(3).

VOTE: Aye-5
Nay-0

Vice-Chairman Wallin, seconded by Commissioner Castle, moved to resume the open meeting at 6:38 P.M.

VOTE: Aye-5
Nay-0

POSSIBLE ACTION AFTER CLOSED SESSION

Chairman Turnbow, seconded by Commissioner Russell, moved to terminate Dr. Jennifer Stoeber as the County's Medical Director.

VOTE: Aye-5
Nay-0

Chairman Turnbow, seconded by Commissioner Russell, moved to appoint Dr. Kaitlyn Hinshaw as the EMS System Medical Director and Dr. Deborah Rogers as the EMS System Assistant Medical Director.

VOTE: Aye-5
Nay-0

ADJOURN

Commissioner Eggers, seconded by Commissioner Castle, moved to adjourn the meeting at 6:42 P.M.

VOTE: Aye-5
Nay-0

Larry Turnbow, Chairman

ATTEST: Anita J. Fogle, Clerk to the Board

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AGENDA ITEM 3:

APPROVAL OF THE APRIL 16, 2024, AGENDA

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AGENDA ITEM 4:

PUBLIC COMMENT

MANAGER'S COMMENTS:

Public Comment will last up to 1-hour dependent upon the number of speakers.

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AGENDA ITEM 5:

PROPOSED PROCLAMATION FOR RESILIENT & THRIVING COMMUNITIES WEEK

MANAGER'S COMMENTS:

Ms. Kellie Bass, Watauga Compassionate Community Initiative, will request the Board adopt the enclosed proclamation April 28th through May 6th as Resilient and Thriving Communities Week.

Board action is required to adopt the proclamation as presented.

OFFICIAL MEMO

To Watauga County Board of Commissioners
From Kellie Bass on behalf of WCCI
Date April 9th 2024
Re Proclamation Proposal

The Watauga Compassionate Community Initiative strives towards creating a resilient and thriving community in the High Country through awareness, education, and prevention and policy development surrounding Adverse Childhood Experiences, or ACEs. I am requesting an opportunity to present a proclamation to recognize April 28th–May 6th as Resilient and Thriving Communities Week. Thank you for everything you do for our communities!

STATE OF NORTH CAROLINA

DRAFT

COUNTY OF WATAUGA

**Resilient & Thriving Communities Week 2024
Watauga County Commissioners
A PROCLAMATION**

WHEREAS, resilient and thriving communities are vital to our community and state's future health, success, and prosperity to ensure a strong foundation for everyone at all ages and stages of life; and

WHEREAS, the science is clear that resilience is built, and that communities and systems play a key role in promoting safe, secure, nurturing environments for all; and

WHEREAS, adverse childhood and life experiences, adverse community environments, and adverse climate events impact overall quality of life and well-being of an entire community; and

WHEREAS, Healthy North Carolina 2030: A Path Toward Health by the North Carolina Institute of Medicine, in partnership with the North Carolina Department of Health and Human Services, Division of Public Health, identifies reduction of adverse childhood experiences by 25% by 2030 as a goal; and

WHEREAS, it is our collective responsibility to collaborate in a nonpartisan fashion to promote positive experiences, secure relationships, and supportive environments to buffer stress and adversity, and to support local resilience coalitions, collaboratives, task forces, and initiatives across the state; and

WHEREAS, investing in policies, programs, and strategies that address adversity and strengthen community resilience is essential to the health of our community; and

WHEREAS, the Watauga County Commissioners encourages all individuals and all sectors, public and private, early childhood through post-secondary education, faith-based organizations, healthcare systems, justice systems, social service systems, businesses, and elected leaders to collaborate to strengthen our communities; and

NOW, THEREFORE, BE IT PROCLAIMED by the Board of County Commissioners that **April 28 through May 4, 2024 is "Resilient & Thriving Communities Week"** in our community, **and commends its observance to all citizens.**

ADOPTED this the 16th day of April, 2024.



Larry Turnbow, Chairman
Watauga County Board of Commissioners

ATTEST:

Anita J. Fogle, Clerk to the Board

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AGENDA ITEM 6:

PROPOSED LETTER OF SUPPORT FOR VAYA TO BE THE ADMINISTRATOR OF THE CFSP

MANAGER'S COMMENTS:

Mr. Dustin Burleson, VAYA Community Relations Regional Director, will request the Board adopt the attached letter of support for VAYA in their application to become the statewide administrator of the Children and Families Specialty Plan (CFSP).

Board action is required to adopt the letter of support as presented.



County of Watauga

Administration Building, Suite 205 • 814 West King Street • Boone, North Carolina 28607

BOARD OF COMMISSIONERS

Larry Turnbow, Chairman
Charlie Wallin, Vice-Chairman
Todd Castle
Braxton Eggers
Ray Russell

Telephone 828-265-8000
TDD 1-800-735-2962
Voice 1-800-735-8262

COUNTY MANAGER
Deron T. Geouque

COUNTY ATTORNEY
Anthony di Santi

April 16, 2024

Secretary Kody H. Kinsley
N.C. Department of Health and Human Services
2001 Mail Service Center
Raleigh, NC 27699-2000

Dear Secretary Kinsley:

As County Commissioners in Watauga County, we recognize that caring for children and youth in foster care is one of the most important functions of government. As such, we applaud the Department's increased resources and attention for this population reflected in the NCDHHS Children and Families Specialty Plan (CFSP) waiver Request for Proposals (RFP).

I am writing to extend Watauga County's support for Vaya Health to become the statewide administrator for the CFSP, in collaboration with Partners Health Management.

Vaya is highly qualified to administer a specialty plan for children and families served by the child welfare system. For more than 50 years, Vaya has been a trusted partner in the State's public behavioral health system. Vaya's service to the State includes more than 12 years of experience administering a Medicaid health plan covering a full array of mental health, substance use disorder, and intellectual/ developmental disability (I/DD) services. In the coming months, Vaya will begin operating the Behavioral Health and I/DD Tailored Plan that includes physical health, pharmacy services and behavioral health services for its members. Vaya currently operates in nearly one-third of the state's 100 counties, understands the needs of our community, and is invested in the well-being of North Carolinians.

Vaya's expertise and experience will offer the best support for the complex needs of the population to be served by the CFSP. CFSP members will depend on plan services for supporting and maintaining family systems, preventing entry into foster care, and ensuring permanency when foster care placements are necessary. These efforts will require close coordination with local Departments of Social Services (DSS). Many years ago, Vaya pioneered on-site, embedded care management, growing the concept to include almost all counties it serves. Embedding staff in county social service agencies ensures DSS-involved youth and their families receive timely, appropriate support and services. Vaya has fostered these partnerships through regular meetings

with county social service agencies, state child welfare leadership, and its peer LME/MCOs to discuss successes, challenges, and solution-oriented opportunities for collaboration.

One notable example of Vaya’s continual investment in North Carolina’s child welfare system, provider agencies, and involved children and families is the Pathways to Permanency project. Launched in March 2021, the project is an ongoing partnership among Vaya, local DSS agencies, providers, and a lived experience advisory council. Resources created through this project include a pathway for assessing the clinical needs of children entering custody, cross-systems training, and the “Adventure Awaits” foster care recruitment campaign.

Vaya’s committed and long-serving executive leadership team has successfully administered services and support on behalf of the people of North Carolina while maintaining quality standards and fiscal responsibility. Vaya staff have achieved this success via dedication to members and recipients and extensive state and local partnerships with government agencies, individuals and families, health care providers, and community-based organizations. By adhering to best practices and implementing innovative programs to address service gaps, Vaya meets individual and community needs and offers wraparound services and support to help them live lives that are meaningful to them.

Awarding the CFSP to Vaya will allow North Carolina to build on the solid foundation that counties have built through LME/MCOs—a legacy of stable, personalized care available through dedicated local providers who are deeply rooted in the communities they serve. Expanding Vaya’s work statewide will utilize those established foundations in the 47 counties currently served by Vaya and Partners, retaining the local focus and community voice we hold dear, while allowing the state’s other counties to benefit from that proven model.

Sincerely,

Larry Turnbow, Chairman

Charlie Wallin, Vice-Chairman

Todd Castle, Commissioner

Braxton Eggers, Commissioner

Ray Russell, Commissioner

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AGENDA ITEM 7:

TAX MATTERS

A. Monthly Collections Report

MANAGER'S COMMENTS:

Mr. Larry Warren, Tax Administrator, will present the Monthly Collections Report and be available for questions and discussion.

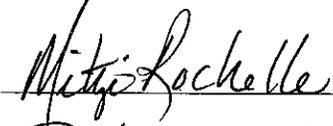
The report is for information only; therefore, no action is required.

Monthly Collections Report**Watauga County**

Bank deposits of the following amounts have been made and credited to the account of Watauga County. The reported totals do not include small shortages and overages reported to the Watauga County Finance Officer

Monthly Report March 2024

	<u>Current Month Collections</u>	<u>Current FY Collections</u>	<u>Current FY Percentage</u>	<u>Previous FY Percentage</u>
<u>General County</u>				
Taxes 2023	542,576.28	42,424,216.18	97.79%	97.85%
Prior Year Taxes	51,506.80	393,232.49		
Solid Waste User Fees	44,138.84	3,296,423.24	96.35%	96.51%
Total County Funds	\$638,221.92	\$46,113,871.91		
<u>Fire Districts</u>				
Foscoe Fire	10,901.87	670,494.79	98.17%	98.25%
Boone Fire	115,463.47	8,963,807.93	97.51%	97.83%
Fall Creek Service Dist.	5.23	13,001.12	95.27%	96.91%
Beaver Dam Fire	1,487.81	134,467.49	94.67%	95.36%
Stewart Simmons Fire	9,048.51	400,326.62	98.05%	98.48%
Zionville Fire	3,724.65	153,517.98	95.85%	96.08%
Cove Creek Fire	4,104.22	346,370.29	96.52%	96.92%
Shawneehaw Fire	2,872.40	155,789.93	97.25%	98.72%
Meat Camp Fire	3,324.67	310,845.14	95.16%	95.64%
Deep Gap Fire	3,778.42	265,452.48	97.11%	96.47%
Todd Fire	1,617.37	75,718.64	95.86%	96.67%
Blowing Rock Fire	9,968.36	688,527.20	98.44%	98.40%
M.C. Creston Fire	579.59	7,958.06	92.19%	91.76%
Foscoe Service District	1,087.65	109,587.01	98.50%	97.73%
Beech Mtn. Service Dist.	9.05	2,750.53	99.39%	98.49%
Cove Creek Service Dist.	0.00	336.65	100.00%	100.00%
Shawneehaw Service Dist	126.36	8,188.15	96.12%	95.05%
Total Fire Districts	168,099.63	12,307,140.01		
<u>Towns</u>				
Boone	67,097.38	8,645,749.56	98.80%	98.83%
Municipal Services	613.86	227,944.76	97.84%	98.16%
Total Town Taxes	\$67,711.24	\$8,873,694.32		
Total Amount Collected	\$874,032.79	\$67,294,706.24		

 Tax Collections Director

 Tax Administrator

AGENDA ITEM 7:

TAX MATTERS

B. Refunds and Releases

MANAGER'S COMMENTS:

Mr. Larry Warren will present the Refunds and Releases Reports. Board action is required to accept the Refunds and Releases Reports.

RELEASES - 03/01/2024 TO 03/28/2024

OWNER NAME AND ADDRESS	CAT YEAR PROPERTY REASON	BILL EFF DATE JUR	REF NO	VALUE CHARGE	AMOUNT
1609709 ANDREWS, JEB 2417 TIMBERLANE DR MONROE, LA 71201	PP 2023 3066 TAX RELEASES SOLD CAMPER IN 2022	953 03/15/2024 F12	11900	0 F12 G01 SWF	6.64 42.23 102.87 ----- 151.74
1011436 BIBLEWAY BAPTIST CHURCH 964 GEORGE WILSON ROAD BOONE, NC 28607	RE 2023 1990-98-7382-000 TAX RELEASES PROPERTY IS EXEMPT	20886 03/19/2024 F02	11901	0 F02 G01 SWF	65.16 345.35 102.87 ----- 513.38
1579963 CHERWATY, JOE H 595 E FOX BRIAR DR GREENSBORO, NC 27455	RE 2013 1878-36-3971-028 TAX RELEASES From CAMA Integration	1098	201098	0 F02 G01	18.00 112.68 ----- 130.68
1750481 CORNETT EXPRESS INC 7867 OLD US HWY 421 ZIONVILLE, NC 28698	PP 2023 2180 TAX RELEASES OUT OF BUSINESS	683 03/26/2024 F06	11907	0 F06 G01	26.86 170.80 ----- 197.66
1294271 DLP REGIONAL PHYSICIAN PRACTICES LLC 14400 METCALF AVE OVERLAND PARK, KS 66223	PP 2023 294271999 TAX RELEASES closed	1959 03/25/2024 C02	11906	0 G01 C02	217.45 256.43 ----- 473.88
1800064 GREENWAY BAPTIST CHURCH OF BOONE, N.C. 880 GREENWAY RD BOONE, NC 28607	RE 2023 2910-31-5395-000 REFUND RELEASE PARCEL SHOULD BE EXEMPT	38976 03/13/2024 C02	11898	0 C02 G01 SWF	888.00 753.02 102.87 ----- 1,743.89
1794567 JOHNSON, SCOTT JOHNSON, PATTI 8008 APPALOOSA LANE CHARLOTTE, NC 28214	PP 2023 3072 TAX RELEASES sold to Jerry wrobel fall of 2022	955 03/27/2024 F12	11908	0 F12 G01 SWF F12L G01L	9.08 57.72 102.87 .91 5.77 ----- 176.35
1616705 LOWE, BILLYE J .BILLYE J LOWE REVOCABLE TRUST OF 2006 C/O KATHLEEN A GERAGHTY 11254 SW 91ST TERRACE MIAMI, FL 33176-1166	RE 2022 1899-09-1184-000 REFUND RELEASE HOUSE WAS DEMOLISHED	6198	206198	99,700 F12 G01 SWF	49.85 317.04 .00 ----- 366.89

RELEASES - 03/01/2024 TO 03/28/2024

OWNER NAME AND ADDRESS	CAT YEAR PROPERTY REASON	BILL	EFF DATE	JUR	REF NO	VALUE CHARGE	AMOUNT
1510696 MARKOVICH PROPERTIES INC P.O. BOX 773284 OCALA, FL 34477	RE 2023 2920-29-5940-000 TAX RELEASES PROPERTY PURCHASED BY WATAUGA COUNTY PRIOR TO JULY 1ST MAKING IT EXEMPT	43201	03/25/2024	C02	11905	0 C02 G01	1,793.25 1,520.68 ----- 3,313.93
1510696 MARKOVICH PROPERTIES INC P.O. BOX 773284 OCALA, FL 34477	RE 2023 2921-30-3252-000 TAX RELEASES PROPERTY PURCHASED BY WATAUGA COUNTY PRIOR TO JULY 1ST MAKING IT EXEMPT	44009	03/25/2024	C02	11904	0 C02 G01	7,253.25 6,150.76 ----- 13,404.01
1647672 MODERN TOYOTA SCION OF BOONE 3901 WESTPOINT BLVD WINSTON SALEM, NC 27103	PP 2014 767299991 TAX RELEASES	3839			253839	0 C02 G01	157.85 120.51 ----- 278.36
1363308 MOUNTAINTOP GOLF CARS INC 9647 HWY 105 BANNER ELK, NC 28604	PP 2023 363308999 TAX RELEASES	2074	03/04/2024	F01	11897	0 G01 F01	80.20 12.61 ----- 92.81
1816735 RAY, J.C., HEIRS C/O TERRELL MILLER 154 BAMBOO RD BOONE, NC 28607	RE 2021 2910-89-4250-000 TAX RELEASES UNKNOWN TAXPAYER	40346	03/01/2024	C02	11896	0 C02 G01	292.60 268.00 ----- 560.60
1816735 RAY, J.C., HEIRS C/O TERRELL MILLER 154 BAMBOO RD BOONE, NC 28607	RE 2022 2910-89-4250-000 TAX RELEASES UNKNOWN TAXPAYER	40294	03/01/2024	C02	11895	0 C02 G01	419.40 370.47 ----- 789.87
1816735 RAY, J.C., HEIRS C/O TERRELL MILLER 154 BAMBOO RD BOONE, NC 28607	RE 2023 2910-89-4250-000 TAX RELEASES UNKNOWN TAXPAYER	40211	03/01/2024	C02	11894	0 C02 G01	436.88 370.47 ----- 807.35
1530034 ROSS, GAIL T 249 CANTER RD TODD, NC 28684	PP 2023 530034999 TAX RELEASES mobile home was torn down and part made into shed	2487	03/19/2024	F11	11902	0 SWF G01 F11 G01L F11L	102.87 25.06 5.52 2.51 .55 ----- 136.51

RELEASES - 03/01/2024 TO 03/28/2024

OWNER NAME AND ADDRESS	CAT YEAR PROPERTY REASON	BILL	EFF DATE JUR	REF NO	VALUE CHARGE	AMOUNT
1157478 TAYLOR, LAWRENCE ALTON 379 GREEN BRIAR RD BOONE, NC 28607-8759	RE 2014 2920-47-0723-000 TAX RELEASES From CAMA Integration	42203		2042203	2,900 F02 G01	1.45 9.08 ----- 10.53
1515274 TESTER, WILLIAM HENRY TESTER, GENEVA B PO BOX 163 SUGAR GROVE, NC 28679	PP 2023 3646 TAX RELEASES removed mh from property in 2022	1141	03/14/2024 F04	11899	0 F04 G01	.50 3.18 ----- 3.68
1634095 WILSON, JOSHUA LEE WILSON, SAMANTHA ELIZABETH 377 RAVENS RIDGE CIRCLE BOONE, NC 28607	RE 2023 2920-25-6097-000 TAX RELEASES DUPLICATE BILL	43163	03/21/2024 F02	11903	0 F02 G01 SWF	207.96 1,102.19 102.87 ----- 1,413.02
1860771 WROBEL, JERRY 165 ROBIN LANE APT 106 BOONE, NC 28607	PP 2023 4568 TAX RELEASES OWNERSHIP CHANGED	1000018	03/27/2024 F12	11909	1,290 F12 G01	.64 4.10 ----- 4.74
DETAIL SUMMARY	COUNT: 20	RELEASES - TOTAL			103,890	24,569.88

RELEASES - 03/01/2024 TO 03/28/2024

RELEASES - CHARGE SUMMARY FOR ALL CLERKS

YEAR	CAT	CHARGE	AMOUNT	
2013	RE	F02	BOONE FIRE RE	234.00
2013	RE	G01	WATAUGA COUNTY RE	1,464.84
			2013 TOTAL	1,698.84
2014	RE	F02	BOONE FIRE RE	18.85
2014	RE	G01	WATAUGA COUNTY RE	118.04
2014	PP	C02	BOONE PP	1,262.80
2014	PP	G01	WATAUGA COUNTY PP	964.08
			2014 TOTAL	2,363.77
2021	RE	C02	BOONE RE	292.60
2021	RE	G01	WATAUGA COUNTY RE	268.00
			2021 TOTAL	560.60
2022	RE	C02	BOONE RE	419.40
2022	RE	F12	BLOWING ROCK FIRE RE	648.05
2022	RE	G01	WATAUGA COUNTY RE	4,491.99
2022	RE	SWF	SANITATION USER FEE	.00
			2022 TOTAL	5,559.44
2023	RE	C02	BOONE RE	10,371.38
2023	RE	F02	BOONE FIRE RE	273.12
2023	RE	G01	WATAUGA COUNTY RE	10,242.47
2023	RE	SWF	SANITATION USER FEE	308.61
2023	PP	C02	BOONE PP	256.43
2023	PP	F01	FOSCOE FIRE PP	12.61
2023	PP	F04	BEAVER DAM FIRE PP	.50
2023	PP	F06	ZIONVILLE FIRE PP	26.86
2023	PP	F11	TODD FIRE PP	5.52
2023	PP	F11L	TODD FIRE LATE LIST	.55
2023	PP	F12	BLOWING ROCK FIRE PP	16.36
2023	PP	F12L	BLOWING ROCK FIRE LATE LIST	.91
2023	PP	G01	WATAUGA COUNTY PP	600.74
2023	PP	G01L	WATAUGA COUNTY LATE LIST	8.28
2023	PP	SWF	SANITATION USER FEE	308.61
			2023 TOTAL	22,432.95
			SUMMARY TOTAL	32,615.60

RELEASES - 03/01/2024 TO 03/28/2024

RELEASES - JURISDICTION SUMMARY FOR ALL CLERKS

JUR	YEAR	CHARGE	AMOUNT	
	2013	F02	BOONE FIRE RE	216.00
	2013	G01	WATAUGA COUNTY RE	1,352.16
	2014	C02	BOONE PP	1,104.95
	2014	F02	BOONE FIRE RE	17.40
	2014	G01	WATAUGA COUNTY RE	952.53
	2022	F12	BLOWING ROCK FIRE RE	598.20
	2022	G01	WATAUGA COUNTY RE	3,804.48
	2022	SWF	SANITATION USER FEE	.00
		TOTAL		8,045.72
C02	2014	C02	BOONE PP	157.85
C02	2014	G01	WATAUGA COUNTY PP	120.51
C02	2021	C02	BOONE RE	292.60
C02	2021	G01	WATAUGA COUNTY RE	268.00
C02	2022	C02	BOONE RE	419.40
C02	2022	G01	WATAUGA COUNTY RE	370.47
C02	2023	C02	BOONE RE	10,627.81
C02	2023	G01	WATAUGA COUNTY RE	9,012.38
C02	2023	SWF	SANITATION USER FEE	102.87
		C02 TOTAL		21,371.89
F01	2023	F01	FOSCOE FIRE PP	12.61
F01	2023	G01	WATAUGA COUNTY PP	80.20
		F01 TOTAL		92.81
F02	2013	F02	BOONE FIRE RE	18.00
F02	2013	G01	WATAUGA COUNTY RE	112.68
F02	2014	F02	BOONE FIRE RE	1.45
F02	2014	G01	WATAUGA COUNTY RE	9.08
F02	2023	F02	BOONE FIRE RE	273.12
F02	2023	G01	WATAUGA COUNTY RE	1,447.54
F02	2023	SWF	SANITATION USER FEE	205.74
		F02 TOTAL		2,067.61
F04	2023	F04	BEAVER DAM FIRE PP	.50
F04	2023	G01	WATAUGA COUNTY PP	3.18
		F04 TOTAL		3.68
F06	2023	F06	ZIONVILLE FIRE PP	26.86
F06	2023	G01	WATAUGA COUNTY PP	170.80
		F06 TOTAL		197.66
F11	2023	F11	TODD FIRE PP	5.52
F11	2023	F11L	TODD FIRE LATE LIST	.55
F11	2023	G01	WATAUGA COUNTY PP	25.06
F11	2023	G01L	WATAUGA COUNTY LATE LIST	2.51
F11	2023	SWF	SANITATION USER FEE	102.87
		F11 TOTAL		136.51

RELEASES - 03/01/2024 TO 03/28/2024

RELEASES - JURISDICTION SUMMARY FOR ALL CLERKS

JUR	YEAR	CHARGE	AMOUNT
F12	2022	F12 BLOWING ROCK FIRE RE	49.85
F12	2022	G01 WATAUGA COUNTY RE	317.04
F12	2022	SWF SANITATION USER FEE	.00
F12	2023	F12 BLOWING ROCK FIRE PP	16.36
F12	2023	F12L BLOWING ROCK FIRE LATE LIST	.91
F12	2023	G01 WATAUGA COUNTY PP	104.05
F12	2023	G01L WATAUGA COUNTY LATE LIST	5.77
F12	2023	SWF SANITATION USER FEE	205.74
		F12 TOTAL	699.72
		SUMMARY TOTAL	32,615.60

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AGENDA ITEM 7:**TAX MATTERS*****C. Board of Equalization and Review (E&R) Schedule*****MANAGER'S COMMENTS:**

Mr. Larry Warren, Tax Administrator, will discuss the scheduling of the FY 2024 Board of Equalization and Review (E&R). The Board may create a special Board of Equalization and Review that will serve this spring. In previous years, the Board was incorporated to include the Manager as an alternate member.

The convening date for the Board of Equalization and Review is scheduled for Monday, April 29th in the County Commissioners Conference Room. Adjournment of the Board is scheduled for Friday, May 10th, 2024 at 5:00 PM in the County Commissioners Conference Room.

Staff will request the Board approve the schedule for FY 2024 Board of Equalization and Review as presented. In addition, direction is requested as to whether the Board of Commissioners wishes to create a special Board for E&R or if the Board of County Commissioners plans to serve in that capacity. Should the Board wish to have the County Manager serve as an alternate member the attached resolution would need to be adopted.

The member compensation also needs to be set. For the past several years it has been \$75.00 per session.

Board action is required to 1.) set the convening and adjournment dates; 2.) decide if the Board wishes to serve in the capacity as the Board of Equalization and Review; 3.) adopt the enclosed resolution and request the County Manager to serve as an alternate member; and 4.) set the compensation rate at \$75 per session with the County Manager not receiving any additional compensation.



WATAUGA COUNTY TAX ADMINISTRATION

*Courthouse, Suite 21 – 842 West King Street – Boone, NC 28607
(828) 265-8021 – FAX (828) 264-3230*

MEMORANDUM

TO: Deron T. Geouque

CC: Anita Fogle, Clerk to the Board

FROM: Larry D. Warren

SUBJECT: 2024 Board of Equalization and Review Hearing Dates

DATE: March 27, 2024

I'd like to address the County Commissioners at the April 16th meeting to discuss dates and times for the 2024 Board of E&R hearings.

The dates and times will be advertised locally prior to the first meeting. The convening and adjourning dates for the acceptance of applications for the 2024 Board of E&R is April 29th and Friday May 10th, however hearing dates may be scheduled beyond May 10th if necessary.

Thank you.

COUNTY OF WATAUGA

DRAFT

STATE OF NORTH CAROLINA

RESOLUTION ESTABLISHING

WATAUGA COUNTY BOARD OF EQUALIZATION AND REVIEW

WHEREAS, North Carolina General Statutes Section 105-322 authorizes the Board of County Commissioners by resolution to appoint a special Board of Equalization and Review to hear and review appeals of listings and valuations placed upon taxable property located within Watauga County; and

WHEREAS, this Board desires to establish a Board of Equalization and Review to perform those duties specified in G.S. 105-322.

NOW THEREFORE, BE IT RESOLVED BY THE BOARD OF COMMISSIONERS FOR THE COUNTY OF WATAUGA AS FOLLOWS:

That this Board hereby establishes a Board of Equalization and Review as follows:

MEMBERSHIP:

1. Shall consist of the 5 member County Commissioners, each having one vote.
2. Three members shall constitute a quorum.
3. One alternate shall be appointed consisting of the County Manager.
4. The alternate shall only serve to meet a quorum of the Board for a scheduled Board of Equalization and Review meeting.

POWERS AND DUTIES:

The powers and duties of this Board shall be as specified in NCGS 105-328 and Article 21 of the Machinery Act.

ADOPTED by the Watauga County Board of Commissioners this, the 16th day of April, 2024.

Larry Turnbow, Chairman
Watauga County Board of Commissioners

ATTEST:

Anita J. Fogle, Clerk to the Board

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AGENDA ITEM 8:

PUBLIC HEARING REQUEST FOR ORDINANCE UPDATE

MANAGER'S COMMENTS:

At the previous Board Meeting, consideration to schedule a public hearing to change the Watauga County Building Code Ordinance was tabled until the appendices could be provided for review and consideration. That process has now happened.

Staff seeks direction from the Board in scheduling a public hearing, work session, or requesting any additional information needed for consideration.



Watauga County Emergency Services

184 Hodges Gap Rd, Suite D
Boone, NC 28607
Phone 828-264-4235
Fax 828-265-7617



Fire Marshal ♦ Emergency Management ♦ Communications

February 26, 2024

To: Board of Commissioners

CC: Deron Geouque, County Manager
Jason Walker, Planning Director
Shane Garland, Fire Marshal
Anita Fogle, Clerk to the Board

Subject: Ordinance Update

Board of Commissioners,

Please consider my request to change the Watauga County Building Code Ordinance as highlighted below:

Section 1-2.1 Fire Code Adopted

*On July 1, 1991, or other date established by the North Carolina Building Code Council, the Standard Fire Prevention Code – 1988 Edition **and all appendices therein** as adopted by the Building Code Council and as amended ...*

It is requested that the Board sets a public hearing to receive public comment and approve this change.

Respectfully,

Will Holt
ES Director



Part VII—Appendices

**APPENDIX A
BOARD OF APPEALS**

Deleted.



APPENDIX B

FIRE-FLOW REQUIREMENTS FOR BUILDINGS

The provisions contained in this appendix are not mandatory unless specifically referenced in the adopting ordinance.

SECTION B101
GENERAL

B101.1 Scope. The procedure for determining fire-flow requirements for buildings or portions of buildings hereafter constructed shall be in accordance with this appendix. This appendix does not apply to structures other than buildings.

SECTION B102
DEFINITIONS

B102.1 Definitions. For the purpose of this appendix, certain terms are defined as follows:

FIRE-FLOW. The flow rate of a water supply, measured at 20 pounds per square inch (psi) (138 kPa) residual pressure, that is available for fire fighting.

FIRE-FLOW CALCULATION AREA. The floor area, in square feet (m²), used to determine the required fire flow.

SECTION B103
MODIFICATIONS

B103.1 Decreases. The fire chief is authorized to reduce the fire-flow requirements for isolated buildings or a group of buildings in rural areas or small communities where the development of full fire-flow requirements is impractical.

B103.2 Increases. The fire chief is authorized to increase the fire-flow requirements where conditions indicate an unusual susceptibility to group fires or conflagrations. An increase shall not be more than twice that required for the building under consideration.

B103.3 Areas without water supply systems. For information regarding water supplies for fire-fighting purposes in rural and suburban areas in which adequate and reliable water supply systems do not exist, the *fire code official* is authorized to utilize NFPA 1142 or the *International Wildland-Urban Interface Code*.

SECTION B104
FIRE-FLOW CALCULATION AREA

B104.1 General. The fire-flow calculation area shall be the total floor area of all floor levels within the *exterior walls*, and under the horizontal projections of the roof of a building, except as modified in Section B104.3.

B104.2 Area separation. Portions of buildings which are separated by *fire walls* without openings, constructed in accordance with the *International Building Code*, are allowed to be considered as separate fire-flow calculation areas.

B104.3 Type IA and Type IB construction. The fire-flow calculation area of buildings constructed of Type IA and Type IB construction shall be the area of the three largest successive floors.

Exception: Fire-flow calculation area for open parking garages shall be determined by the area of the largest floor.

SECTION B105
FIRE-FLOW REQUIREMENTS FOR BUILDINGS

B105.1 One- and two-family dwellings, Group R-3 and R-4 buildings and townhouses. The minimum fire-flow and flow duration requirements for one- and two-family *dwellings*, Group R-3 and R-4 buildings and townhouses shall be as specified in Tables B105.1(1) and B105.1(2).

B105.2 Buildings other than one- and two-family dwellings, Group R-3 and R-4 buildings and townhouses. The minimum fire-flow and flow duration for buildings other than one- and two-family *dwellings*, Group R-3 and R-4 buildings and townhouses shall be as specified in Tables B105.2 and B105.1(2).

TABLE B105.1(1)
REQUIRED FIRE-FLOW FOR ONE- AND TWO-FAMILY DWELLINGS, GROUP R-3 AND R-4 BUILDINGS AND TOWNHOUSES

FIRE-FLOW CALCULATION AREA (square feet)	AUTOMATIC SPRINKLER SYSTEM (Design Standard)	MINIMUM FIRE-FLOW (gallons per minute)	FLOW DURATION (hours)
0-3,600	No automatic sprinkler system	1,000	1
3,601 and greater	No automatic sprinkler system	Value in Table B105.1(2)	Duration in Table B105.1(2) at the required fire-flow rate
0-3,600	Section 903.3.1.3 of the <i>International Fire Code</i> or Section P2904 of the <i>International Residential Code</i>	500	1/2
3,601 and greater	Section 903.3.1.3 of the <i>International Fire Code</i> or Section P2904 of the <i>International Residential Code</i>	1/2 value in Table B105.1(2)	1

For SI: 1 square foot = 0.0929 m², 1 gallon per minute = 3.785 L/m.

TABLE B105.1(2)
REFERENCE TABLE FOR TABLES B105.1(1) AND B105.2

FIRE-FLOW CALCULATION AREA (square feet)					FIRE-FLOW (gallons per minute) ^b	FLOW DURATION (hours)
Type IA and IB ^a	Type IIA and IIIA ^a	Type IV and V-A ^a	Type IIB and IIIB ^a	Type V-B ^a		
0-22,700	0-12,700	0-8,200	0-5,900	0-3,600	1,500	2
22,701-30,200	12,701-17,000	8,201-10,900	5,901-7,900	3,601-4,800	1,750	
30,201-38,700	17,001-21,800	10,901-12,900	7,901-9,800	4,801-6,200	2,000	
38,701-48,300	21,801-24,200	12,901-17,400	9,801-12,600	6,201-7,700	2,250	
48,301-59,000	24,201-33,200	17,401-21,300	12,601-15,400	7,701-9,400	2,500	
59,001-70,900	33,201-39,700	21,301-25,500	15,401-18,400	9,401-11,300	2,750	
70,901-83,700	39,701-47,100	25,501-30,100	18,401-21,800	11,301-13,400	3,000	3
83,701-97,700	47,101-54,900	30,101-35,200	21,801-25,900	13,401-15,600	3,250	
97,701-112,700	54,901-63,400	35,201-40,600	25,901-29,300	15,601-18,000	3,500	
112,701-128,700	63,401-72,400	40,601-46,400	29,301-33,500	18,001-20,600	3,750	4
128,701-145,900	72,401-82,100	46,401-52,500	33,501-37,900	20,601-23,300	4,000	
145,901-164,200	82,101-92,400	52,501-59,100	37,901-42,700	23,301-26,300	4,250	
164,201-183,400	92,401-103,100	59,101-66,000	42,701-47,700	26,301-29,300	4,500	
183,401-203,700	103,101-114,600	66,001-73,300	47,701-53,000	29,301-32,600	4,750	
203,701-225,200	114,601-126,700	73,301-81,100	53,001-58,600	32,601-36,000	5,000	
225,201-247,700	126,701-139,400	81,101-89,200	58,601-65,400	36,001-39,600	5,250	
247,701-271,200	139,401-152,600	89,201-97,700	65,401-70,600	39,601-43,400	5,500	
271,201-295,900	152,601-166,500	97,701-106,500	70,601-77,000	43,401-47,400	5,750	
295,901-Greater	166,501-Greater	106,501-115,800	77,001-83,700	47,401-51,500	6,000	
—	—	115,801-125,500	83,701-90,600	51,501-55,700	6,250	
—	—	125,501-135,500	90,601-97,900	55,701-60,200	6,500	
—	—	135,501-145,800	97,901-106,800	60,201-64,800	6,750	
—	—	145,801-156,700	106,801-113,200	64,801-69,600	7,000	
—	—	156,701-167,900	113,201-121,300	69,601-74,600	7,250	
—	—	167,901-179,400	121,301-129,600	74,601-79,800	7,500	
—	—	179,401-191,400	129,601-138,300	79,801-85,100	7,750	
—	—	191,401-Greater	138,301-Greater	85,101-Greater	8,000	

For SI: 1 square foot = 0.0929 m², 1 gallon per minute = 3.785 L/m, 1 pound per square inch = 6.895 kPa.

a. Types of construction are based on the *International Building Code*.

b. Measured at 20 psi residual pressure.

TABLE B105.2
REQUIRED FIRE-FLOW FOR BUILDINGS OTHER THAN ONE- AND TWO-FAMILY DWELLINGS, GROUP R-3 AND R-4 BUILDINGS AND TOWNHOUSES

AUTOMATIC SPRINKLER SYSTEM (Design Standard)	MINIMUM FIRE-FLOW (gallons per minute)	FLOW DURATION (hours)
No automatic sprinkler system	Value in Table B105.1(2)	Duration in Table B105.1(2)
Section 903.3.1.1 of the <i>International Fire Code</i>	25% of the value in Table B105.1(2) ^a	Duration in Table B105.1(2) at the reduced flow rate
Section 903.3.1.2 of the <i>International Fire Code</i>	25% of the value in Table B105.1(2) ^b	Duration in Table B105.1(2) at the reduced flow rate

For SI: 1 gallon per minute = 3.785 L/m.

a. The reduced fire-flow shall be not less than 1,000 gallons per minute.

b. The reduced fire-flow shall be not less than 1,500 gallons per minute.

B105.3 Water supply for buildings equipped with an automatic sprinkler system. For buildings equipped with an approved *automatic sprinkler system*, the water supply shall be capable of providing the greater of:

1. The *automatic sprinkler system* demand, including hose stream allowance.
2. The required fire-flow.

**SECTION B106
REFERENCED STANDARDS**

ICC	IBC—15	International Building Code	B104.2,
			Tables
ICC	IFC—15	International Fire Code	B105.1(1) and B105.2
ICC	IWUIC—15	International Wildland- Urban Interface Code	B103.3
ICC	IRC—15	International Residential Code	Table B105.1(1)
NFPA	1142—12	Standard on Water Supplies for Suburban and Rural Fire Fighting	B103.3



APPENDIX C

FIRE HYDRANT LOCATIONS AND DISTRIBUTION

The provisions contained in this appendix are not mandatory unless specifically referenced in the adopting ordinance.

SECTION C101 GENERAL

C101.1 Scope. In addition to the requirements of Section 507.5.1 of the *International Fire Code*, fire hydrants shall be provided in accordance with this appendix for the protection of buildings, or portions of buildings, hereafter constructed or moved into the jurisdiction.

SECTION C102 NUMBER OF FIRE HYDRANTS

C102.1 Minimum number of fire hydrants for a building. The number of fire hydrants available to a building shall be not less than the minimum specified in Table C102.1.

SECTION C103 FIRE HYDRANT SPACING

C103.1 Hydrant spacing. Fire apparatus access roads and public streets providing required access to buildings in accordance with Section 503 of the *International Fire Code* shall be provided with one or more fire hydrants, as determined by Section C102.1. Where more than one fire hydrant is

required, the distance between required fire hydrants shall be in accordance with Sections C103.2 and C103.3.

C103.2 Average spacing. The average spacing between fire hydrants shall be in accordance with Table C102.1.

Exception: The average spacing shall be permitted to be increased by 10 percent where existing fire hydrants provide all or a portion of the required number of fire hydrants.

C103.3 Maximum spacing. The maximum spacing between fire hydrants shall be in accordance with Table C102.1.

SECTION C104 CONSIDERATION OF EXISTING FIRE HYDRANTS

C104.1 Existing fire hydrants. Existing fire hydrants on public streets are allowed to be considered as available to meet the requirements of Sections C102 and C103. Existing fire hydrants on adjacent properties are allowed to be considered as available to meet the requirements of Sections C102 and C103 provided that a fire apparatus access road extends between properties and that an easement is established to prevent obstruction of such roads.

**TABLE C102.1
REQUIRED NUMBER AND SPACING OF FIRE HYDRANTS**

FIRE-FLOW REQUIREMENT (gpm)	MINIMUM NUMBER OF HYDRANTS	AVERAGE SPACING BETWEEN HYDRANTS ^{a, b, c, f, g} (feet)	MAXIMUM DISTANCE FROM ANY POINT ON STREET OR ROAD FRONTAGE TO A HYDRANT ^{d, f, g}
1,750 or less	1	500	250
2,000-2,250	2	450	225
2,500	3	450	225
3,000	3	400	225
3,500-4,000	4	350	210
4,500-5,000	5	300	180
5,500	6	300	180
6,000	6	250	150
6,500-7,000	7	250	150
7,500 or more	8 or more ^e	200	120

For SI: 1 foot = 304.8 mm, 1 gallon per minute = 3.785 L/m.

- a. Reduce by 100 feet for dead-end streets or roads.
- b. Where streets are provided with median dividers that cannot be crossed by fire fighters pulling hose lines, or where arterial streets are provided with four or more traffic lanes and have a traffic count of more than 30,000 vehicles per day, hydrant spacing shall average 500 feet on each side of the street and be arranged on an alternating basis.
- c. Where new water mains are extended along streets where hydrants are not needed for protection of structures or similar fire problems, fire hydrants shall be provided at spacing not to exceed 1,000 feet to provide for transportation hazards.
- d. Reduce by 50 feet for dead-end streets or roads.
- e. One hydrant for each 1,000 gallons per minute or fraction thereof.
- f. A 50-percent spacing increase shall be permitted where the building is equipped throughout with an approved automatic sprinkler system in accordance with Section 903.3.1.1 of the *International Fire Code*.
- g. A 25-percent spacing increase shall be permitted where the building is equipped throughout with an approved automatic sprinkler system in accordance with Section 903.3.1.2 or 903.3.1.3 of the *International Fire Code* or Section P2904 of the *International Residential Code*.

**SECTION C105
REFERENCED STANDARDS**

ICC	IFC—15	International Fire Code	C101.1, C103.1, Table C102.1
ICC	IRC—15	International Residential Code	Table C102.1



APPENDIX D

FIRE APPARATUS ACCESS ROADS

The provisions contained in this appendix are not mandatory unless specifically referenced in the adopting ordinance.

SECTION D101 GENERAL

D101.1 Scope. Fire apparatus access roads shall be in accordance with this appendix and all other applicable requirements of the *International Fire Code*.

SECTION D102 REQUIRED ACCESS

D102.1 Access and loading. Facilities, buildings or portions of buildings hereafter constructed shall be accessible to fire department apparatus by way of an *approved* fire apparatus access road with an asphalt, concrete or other *approved* driving surface capable of supporting the imposed load of fire apparatus weighing at least 75,000 pounds (34 050 kg).

SECTION D103 MINIMUM SPECIFICATIONS

D103.1 Access road width with a hydrant. Where a fire hydrant is located on a fire apparatus access road, the minimum road width shall be 26 feet (7925 mm), exclusive of shoulders (see Figure D103.1).

D103.2 Grade. Fire apparatus access roads shall not exceed 10 percent in grade.

Exception: Grades steeper than 10 percent as *approved* by the fire chief.

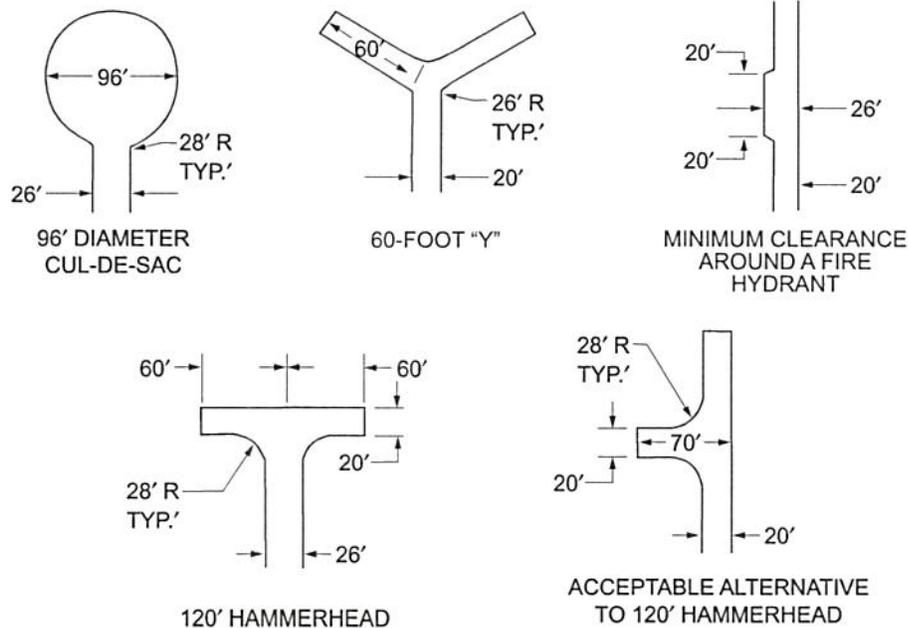
D103.3 Turning radius. The minimum turning radius shall be determined by the *fire code official*.

D103.4 Dead ends. Dead-end fire apparatus access roads in excess of 150 feet (45 720 mm) shall be provided with width and turnaround provisions in accordance with Table D103.4.

**TABLE D103.4
REQUIREMENTS FOR DEAD-END
FIRE APPARATUS ACCESS ROADS**

LENGTH (feet)	WIDTH (feet)	TURNAROUNDS REQUIRED
0-150	20	None required
151-500	20	120-foot Hammerhead, 60-foot "Y" or 96-foot diameter cul-de-sac in accordance with Figure D103.1
501-750	26	120-foot Hammerhead, 60-foot "Y" or 96-foot diameter cul-de-sac in accordance with Figure D103.1
Over 750		Special approval required

For SI: 1 foot = 304.8 mm.



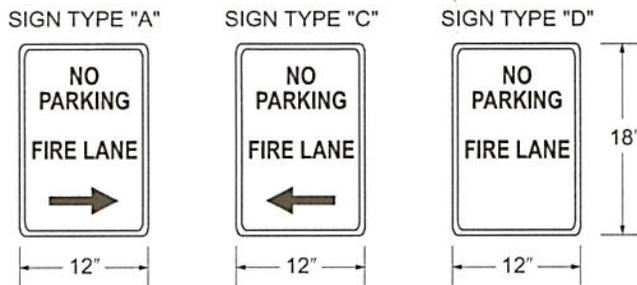
For SI: 1 foot = 304.8 mm.

**FIGURE D103.1
DEAD-END FIRE APPARATUS ACCESS ROAD TURNAROUND**

D103.5 Fire apparatus access road gates. Gates securing the fire apparatus access roads shall comply with all of the following criteria:

1. Where a single gate is provided, the gate width shall be not less than 20 feet (6096 mm). Where a fire apparatus road consists of a divided roadway, the gate width shall be not less than 12 feet (3658 mm).
2. Gates shall be of the swinging or sliding type.
3. Construction of gates shall be of materials that allow manual operation by one person.
4. Gate components shall be maintained in an operative condition at all times and replaced or repaired when defective.
5. Electric gates shall be equipped with a means of opening the gate by fire department personnel for emergency access. Emergency opening devices shall be approved by the fire code official.
6. Methods of locking shall be submitted for approval by the fire code official.
7. Electric gate operators, where provided, shall be listed in accordance with UL 325.
8. Gates intended for automatic operation shall be designed, constructed and installed to comply with the requirements of ASTM F2200.

D103.6 Signs. Where required by the fire code official, fire apparatus access roads shall be marked with permanent NO PARKING—FIRE LANE signs complying with Figure D103.6. Signs shall have a minimum dimension of 12 inches (305 mm) wide by 18 inches (457 mm) high and have red letters on a white reflective background. Signs shall be posted on one or both sides of the fire apparatus road as required by Section D103.6.1 or D103.6.2.



**FIGURE D103.6
FIRE LANE SIGNS**

D103.6.1 Roads 20 to 26 feet in width. Fire lane signs as specified in Section D103.6 shall be posted on both sides of fire apparatus access roads that are 20 to 26 feet wide (6096 to 7925 mm).

D103.6.2 Roads more than 26 feet in width. Fire lane signs as specified in Section D103.6 shall be posted on one

side of fire apparatus access roads more than 26 feet wide (7925 mm) and less than 32 feet wide (9754 mm).

**SECTION D104
COMMERCIAL AND INDUSTRIAL DEVELOPMENTS**

D104.1 Buildings exceeding three stories or 30 feet in height. Buildings or facilities exceeding 30 feet (9144 mm) or three stories in height shall have at least two means of fire apparatus access for each structure.

D104.2 Buildings exceeding 62,000 square feet in area. Buildings or facilities having a gross building area of more than 62,000 square feet (5760 m²) shall be provided with two separate and approved fire apparatus access roads.

Exception: Projects having a gross building area of up to 124,000 square feet (11 520 m²) that have a single approved fire apparatus access road when all buildings are equipped throughout with approved automatic sprinkler systems.

D104.3 Remoteness. Where two fire apparatus access roads are required, they shall be placed a distance apart equal to not less than one half of the length of the maximum overall diagonal dimension of the lot or area to be served, measured in a straight line between accesses.

**SECTION D105
AERIAL FIRE APPARATUS ACCESS ROADS**

D105.1 Where required. Where the vertical distance between the grade plane and the highest roof surface exceeds 30 feet (9144 mm), approved aerial fire apparatus access roads shall be provided. For purposes of this section, the highest roof surface shall be determined by measurement to the eave of a pitched roof, the intersection of the roof to the exterior wall, or the top of parapet walls, whichever is greater.

D105.2 Width. Aerial fire apparatus access roads shall have a minimum unobstructed width of 26 feet (7925 mm), exclusive of shoulders, in the immediate vicinity of the building or portion thereof.

D105.3 Proximity to building. At least one of the required access routes meeting this condition shall be located within a minimum of 15 feet (4572 mm) and a maximum of 30 feet (9144 mm) from the building, and shall be positioned parallel to one entire side of the building. The side of the building on which the aerial fire apparatus access road is positioned shall be approved by the fire code official.

D105.4 Obstructions. Overhead utility and power lines shall not be located over the aerial fire apparatus access road or between the aerial fire apparatus road and the building. Other obstructions shall be permitted to be placed with the approval of the fire code official.

SECTION D106**MULTIPLE-FAMILY RESIDENTIAL DEVELOPMENTS**

D106.1 Projects having more than 100 dwelling units. Multiple-family residential projects having more than 100 *dwelling units* shall be equipped throughout with two separate and *approved* fire apparatus access roads.

Exception: Projects having up to 200 *dwelling units* may have a single *approved* fire apparatus access road when all buildings, including nonresidential occupancies, are equipped throughout with *approved automatic sprinkler systems* installed in accordance with Section 903.3.1.1 or 903.3.1.2.

D106.2 Projects having more than 200 dwelling units. Multiple-family residential projects having more than 200 *dwelling units* shall be provided with two separate and *approved* fire apparatus access roads regardless of whether they are equipped with an *approved automatic sprinkler system*.

D106.3 Remoteness. Where two fire apparatus access roads are required, they shall be placed a distance apart equal to not less than one-half of the length of the maximum overall diagonal dimension of the property or area to be served, measured in a straight line between accesses.

**SECTION D107
ONE- OR TWO-FAMILY****RESIDENTIAL DEVELOPMENTS**

D107.1 One- or two-family dwelling residential developments. Developments of one- or two-family dwellings where the number of *dwelling units* exceeds 30 shall be provided with two separate and *approved* fire apparatus access roads.

Exceptions:

1. Where there are more than 30 *dwelling units* on a single public or private fire apparatus access road and all *dwelling units* are equipped throughout with an *approved automatic sprinkler system* in accordance with Section 903.3.1.1, 903.3.1.2 or 903.3.1.3 of the *International Fire Code*, access from two directions shall not be required.
2. The number of *dwelling units* on a single fire apparatus access road shall not be increased unless fire apparatus access roads will connect with future development, as determined by the *fire code official*.

D107.2 Remoteness. Where two fire apparatus access roads are required, they shall be placed a distance apart equal to not less than one-half of the length of the maximum overall diagonal dimension of the property or area to be served, measured in a straight line between accesses.

**SECTION D108
REFERENCED STANDARDS**

ASTM	F2200—13	Standard Specification for Automated Vehicular Gate Construction	D103.5
ICC	IFC—15	International Fire Code	D101.1, D107.1
UL	325—02	Door, Drapery, Gate, Louver, and Window Operators and Systems, with Revisions through June 2013	D103.5



APPENDIX E

HAZARD CATEGORIES

This appendix is for information purposes and is not intended for adoption.

SECTION E101 GENERAL

E101.1 Scope. This appendix provides information, explanations and examples to illustrate and clarify the hazard categories contained in Chapter 50 of the *International Fire Code*. The hazard categories are based upon the DOL 29 CFR. Where numerical classifications are included, they are in accordance with nationally recognized standards.

This appendix should not be used as the sole means of hazardous materials classification.

SECTION E102 HAZARD CATEGORIES

E102.1 Physical hazards. Materials classified in this section pose a *physical hazard*.

E102.1.1 Explosives and blasting agents. The current UN/DOT classification system recognized by international authorities, the Department of Defense and others classifies all *explosives* as Class 1 materials. They are then divided into six separate divisions to indicate their relative hazard. There is not a direct correlation between the designations used by the old DOT system and those used by the current system nor is there correlation with the system (high and low) established by the Bureau of Alcohol, Tobacco, Firearms and Explosives (BATF). Table 5604.3 of the *International Fire Code* provides some guidance with regard to the current categories and their relationship to the old categories. Some items may appear in more than one division, depending on factors such as the degree of confinement or separation, by type of packaging, storage configuration or state of assembly.

In order to determine the level of hazard presented by *explosive materials*, testing to establish quantitatively their *explosive* nature is required. There are numerous test methods that have been used to establish the character of an *explosive material*. Standardized tests, required for finished goods containing *explosives* or *explosive materials* in a packaged form suitable for shipment or storage, have been established by UN/DOT and BATF. However, these tests do not consider key elements that should be examined in a manufacturing situation. In manufacturing operations, the condition and/or the state of a material may vary within the process. The in-process material classification and classification requirements for materials used in the manufacturing process may be different from the classification of the same material where found in finished goods depending on the stage of the process in which the material is found. A classification methodology must be used that recognizes the hazards commensurate with the appli-

cation to the variable physical conditions as well as potential variations of physical character and type of *explosive* under consideration.

Test methods or guidelines for hazard classification of energetic materials used for in-process operations shall be *approved* by the *fire code official*. Test methods used shall be DOD, BATF, UN/DOT or other *approved* criteria. The results of such testing shall become a portion of the files of the jurisdiction and be included as an independent section of any Hazardous Materials Management Plan (HMMP) required by Section 5605.2.1 of the *International Fire Code*. Also see Section 104.7.2 of the *International Fire Code*.

Examples of materials in various Divisions are as follows:

1. Division 1.1 (High *Explosives*). Consists of *explosives* that have a mass explosion hazard. A mass explosion is one that affects almost the entire pile of material instantaneously. Includes substances that, where tested in accordance with *approved* methods, can be caused to detonate by means of a blasting cap where unconfined or will transition from *deflagration* to a *detonation* where confined or unconfined. Examples: dynamite, TNT, nitroglycerine, C-3, HMX, RDX, encased *explosives*, military ammunition.
2. Division 1.2 (Low *Explosives*). Consists of *explosives* that have a projection hazard, but not a mass explosion hazard. Examples: nondetonating encased *explosives*, military ammunition and the like.
3. Division 1.3 (Low *Explosives*). Consists of *explosives* that have a fire hazard and either a minor blast hazard or a minor projection hazard or both, but not a mass explosion hazard. The major hazard is radiant heat or violent burning, or both. Can be deflagrated where confined. Examples: smokeless powder, propellant *explosives*, display fireworks.
4. Division 1.4. Consists of *explosives* that pose a minor explosion hazard. The *explosive* effects are largely confined to the package and no projection of fragments of appreciable size or range is expected. An internal fire must not cause virtually instantaneous explosion of almost the entire contents of the package. Examples: squibs (nondetonating igniters), *explosive* actuators, *explosive* trains (low-level detonating cord).
5. Division 1.5 (Blasting Agents). Consists of very insensitive *explosives*. This division comprises substances that have a mass explosion hazard, but are so

insensitive that there is very little probability of initiation or of transition from burning to *detonation* under normal conditions of transport. Materials are not cap sensitive; however, they are mass detonating where provided with sufficient input. Examples: oxidizer and liquid fuel slurry mixtures and gels, ammonium nitrate combined with fuel oil.

6. Division 1.6. Consists of extremely insensitive articles that do not have a mass *explosive* hazard. This division comprises articles that contain only extremely insensitive detonating substances and that demonstrate a negligible probability of accidental initiation or propagation. Although this category of materials has been defined, the primary application is currently limited to military uses. Examples: Low vulnerability military weapons.

Explosives in each division are assigned a compatibility group letter by the Associate Administrator for Hazardous Materials Safety (DOT) based on criteria specified by DOTn 49 CFR. Compatibility group letters are used to specify the controls for the transportation and storage related to various materials to prevent an increase in hazard that might result if certain types of *explosives* were stored or transported together. Altogether, there are 35 possible classification codes for *explosives*, e.g., 1.1A, 1.3C, 1.4S, etc.

E102.1.2 Compressed gases. Examples include:

1. Flammable: acetylene, carbon monoxide, ethane, ethylene, hydrogen, methane. Ammonia will ignite and burn although its flammable range is too narrow for it to fit the definition of "Flammable gas."

For binary mixtures where the hazardous component is diluted with a nonflammable gas, the mixture shall be categorized in accordance with CGA P-23.

2. Oxidizing: oxygen, ozone, oxides of nitrogen, chlorine and fluorine. Chlorine and fluorine do not contain oxygen but reaction with flammables is similar to that of oxygen.
3. *Corrosive*: ammonia, hydrogen chloride, fluorine.
4. Highly toxic: arsine, cyanogen, fluorine, germane, hydrogen cyanide, nitric oxide, phosphine, hydrogen selenide, stibine.
5. Toxic: chlorine, hydrogen fluoride, hydrogen sulfide, phosgene, silicon tetrafluoride.
6. Inert (chemically unreactive): argon, helium, krypton, neon, nitrogen, xenon.
7. Pyrophoric: diborane, dichloroborane, phosphine, silane.
8. Unstable (reactive): butadiene (unstabilized), ethylene oxide, vinyl chloride.

E102.1.3 Flammable and combustible liquids. Examples include:

1. Flammable liquids.

Class IA liquids shall include those having *flash points* below 73°F (23°C) and having a *boiling point* at or below 100°F (38°C).

Class IB liquids shall include those having *flash points* below 73°F (23°C) and having a *boiling point* at or above 100°F (38°C).

Class IC liquids shall include those having *flash points* at or above 73°F (23°C) and below 100°F (38°C).

2. Combustible liquids.

Class II liquids shall include those having *flash points* at or above 100°F (38°C) and below 140°F (60°C).

Class IIIA liquids shall include those having *flash points* at or above 140°F (60°C) and below 200°F (93°C).

Class IIIB liquids shall include those liquids having *flash points* at or above 200°F (93°C).

E102.1.4 Flammable solids. Examples include:

1. Organic solids: camphor, cellulose nitrate, naphthalene.
2. Inorganic solids: decaborane, lithium amide, phosphorous heptasulfide, phosphorous sesquisulfide, potassium sulfide, anhydrous sodium sulfide, sulfur.
3. Combustible metals (except dusts and powders): cesium, magnesium, zirconium.

E102.1.5 Combustible dusts and powders. Finely divided solids that could be dispersed in air as a dust cloud: wood sawdust, plastics, coal, flour, powdered metals (few exceptions).

E102.1.6 Combustible fibers. See Section 5202.1.

E102.1.7 Oxidizers. Examples include:

1. Gases: oxygen, ozone, oxides of nitrogen, fluorine and chlorine (reaction with flammables is similar to that of oxygen).
2. Liquids: bromine, hydrogen peroxide, nitric acid, perchloric acid, sulfuric acid.
3. Solids: chlorates, chromates, chromic acid, iodine, nitrates, nitrites, perchlorates, peroxides.

E102.1.7.1 Examples of liquid and solid oxidizers according to hazard.

Class 4: ammonium perchlorate (particle size greater than 15 microns), ammonium permanganate, guanidine nitrate, hydrogen peroxide solutions more than 91 percent by weight, perchloric acid solutions more than 72.5 percent by weight, potassium superoxide, tetranitromethane.

Class 3: ammonium dichromate, calcium hypochlorite (over 50 percent by weight), chloric acid (10 percent maximum concentration), hydrogen peroxide solutions (greater than 52 percent up to 91 percent), mono-(trichloro)-tetra-(monopotassium di-

chloro)-penta-s-triazinetrione, nitric acid, (fuming - more than 86 percent concentration), perchloric acid solutions (60 percent to 72 percent by weight), potassium bromate, potassium chlorate, potassium dichloro-s-triazinetrione (potassium dichloro-isocyanurate), potassium perchlorate (99 percent), potassium permanganate (greater than 97.5 percent), sodium bromate, sodium chlorate, sodium chlorite (over 40 percent by weight) and sodium dichloro-s-triazinetrione anhydrous (sodium dichloro-isocyanurate anhydrous).

Class 2: barium bromate, barium chlorate, barium hypochlorite, barium perchlorate, barium permanganate, 1-bromo-3-chloro-5, 5-dimethylhydantoin, calcium chlorate, calcium chlorite, calcium hypochlorite (50 percent or less by weight), calcium perchlorate, calcium permanganate, calcium peroxide (75 percent), chromium trioxide (chromic acid), copper chlorate, halane (1, 3-di-chloro-5, 5-dimethylhydantoin), hydrogen peroxide (greater than 27.5 percent up to 52 percent), lead perchlorate, lithium chlorate, lithium hypochlorite (more than 39 percent available chlorine), lithium perchlorate, magnesium bromate, magnesium chlorate, magnesium perchlorate, mercurous chlorate, nitric acid (more than 40 percent but less than 86 percent), perchloric acid solutions (more than 50 percent but less than 60 percent), potassium peroxide, potassium superoxide, silver peroxide, sodium chlorite (40 percent or less by weight), sodium perchlorate, sodium perchlorate monohydrate, sodium permanganate, sodium peroxide, sodium persulfate (99 percent), strontium chlorate, strontium perchlorate, thallium chlorate, urea hydrogen peroxide, zinc bromate, zinc chlorate and zinc permanganate.

Class 1: all inorganic nitrates (unless otherwise classified), all inorganic nitrites (unless otherwise classified), ammonium persulfate, barium peroxide, hydrogen peroxide solutions (greater than 8 percent up to 27.5 percent), lead dioxide, lithium hypochlorite (39 percent or less available chlorine), lithium peroxide, magnesium peroxide, manganese dioxide, nitric acid (40 percent concentration or less), perchloric acid solutions (less than 50 percent by weight), potassium dichromate, potassium monopersulfate (45 percent KHSO_5 or 90 percent triple salt), potassium percarbonate, potassium persulfate, sodium carbonate peroxide, sodium dichloro-s-triazinetrione dihydrate, sodium dichromate, sodium perborate (anhydrous), sodium perborate monohydrate, sodium perborate tetra-hydrate, sodium percarbonate, strontium peroxide, trichloro-s-triazinetrione (trichloroisocyanuric acid) and zinc peroxide.

E102.1.8 Organic peroxides. Organic peroxides contain the double oxygen or peroxy (-o-o) group. Some are flammable compounds and subject to explosive decomposition. They are available as:

1. Liquids.

2. Pastes.
3. Solids (usually finely divided powders).

E102.1.8.1 Classification of organic peroxides according to hazard.

Unclassified: Unclassified organic peroxides are capable of *detonation* and are regulated in accordance with Chapter 56 of the *International Fire Code*.

Class I: acetyl cyclohexane sulfonyl 60-65 percent concentration by weight, fulfonyl peroxide, benzoyl peroxide over 98 percent concentration, t-butyl hydroperoxide 90 percent, t-butyl peroxyacetate 75 percent, t-butyl peroxyisopropylcarbonate 92 percent, diisopropyl peroxydicarbonate 100 percent, di-n-propyl peroxydicarbonate 98 percent, and di-n-propyl peroxydicarbonate 85 percent.

Class II: acetyl peroxide 25 percent, t-butyl hydroperoxide 70 percent (with DTBP and t-BuOH diluents), t-butyl peroxybenzoate 98 percent, t-butyl peroxy-2-ethylhexanoate 97 percent, t-butyl peroxyisobutyrate 75 percent, t-butyl peroxyisopropylcarbonate 75 percent, t-butyl peroxy-pivalate 75 percent, dybenzoyl peroxydicarbonate 85 percent, di-sec-butyl peroxydicarbonate 98 percent, di-sec-butyl peroxydicarbonate 75 percent, 1,1-di-(t-butylperoxy)-3,5,5-trimethylcyclohexane 95 percent, di-(2-ethylhexyl) peroxydicarbonate 97 percent, 2,5-dimethyl-2,5-di (benzoylperoxy) hexane 92 percent, and peroxyacetic acid 43 percent.

Class III: acetyl cyclohexane sulfonal peroxide 29 percent, benzoyl peroxide 78 percent, benzoyl peroxide paste 55 percent, benzoyl peroxide paste 50 percent peroxide/50 percent butylbenzylphthalate diluent, cumene hydroperoxide 86 percent, di-(4-butylcyclohexyl) peroxydicarbonate 98 percent, t-butyl peroxy-2-ethylhexanoate 97 percent, t-butyl peroxyneodecanoate 75 percent, decanoyl peroxide 98.5 percent, di-t-butyl peroxide 99 percent, 1,1-di-(t-butylperoxy)3,5,5-trimethylcyclohexane 75 percent, 2,4-dichlorobenzoyl peroxide 50 percent, diisopropyl peroxydicarbonate 30 percent, 2,5-dimethyl-2,5-di-(2-ethylhexanolyperoxy)-hexane 90 percent, 2,5-dimethyl-2,5-di-(t-butylperoxy) hexane 90 percent and methyl ethyl ketone peroxide 9 percent active oxygen diluted in dimethyl phthalate.

Class IV: benzoyl peroxide 70 percent, benzoyl peroxide paste 50 percent peroxide/15 percent water/35 percent butylphthalate diluent, benzoyl peroxide slurry 40 percent, benzoyl peroxide powder 35 percent, t-butyl hydroperoxide 70 percent, (with water diluent), t-butyl peroxy-2-ethylhexanoate 50 percent, decumyl peroxide 98 percent, di-(2-ethylhexyl) peroxydicarbonate 40 percent, laurel peroxide 98 percent, p-methane hydroperoxide 52.5 percent, methyl ethyl ketone peroxide 5.5 percent active oxygen and methyl ethyl ketone peroxide 9 percent active oxygen diluted in water and glycols.

Class V: benzoyl peroxide 35 percent, 1,1-di-*t*-butyl peroxy 3,5,5-trimethylcyclohexane 40 percent, 2,5-di-(*t*-butyl peroxy) hexane 47 percent and 2,4-pentanedione peroxide 4 percent active oxygen.

E102.1.9 Pyrophoric materials. Examples include:

1. Gases: diborane, phosphine, silane.
2. Liquids: diethylaluminum chloride, di-ethylberyllium, diethylphosphine, diethylzinc, dimethylarsine, triethylaluminum etherate, tri-ethylbismuthine, tri-ethylboron, trimethylaluminum, trimethylgallium.
3. Solids: cesium, hafnium, lithium, white or yellow phosphorous, plutonium, potassium, rubidium, sodium, thorium.

E102.1.10 Unstable (reactive) materials. Examples include:

Class 4: acetyl peroxide, dibutyl peroxide, dinitrobenzene, ethyl nitrate, peroxyacetic acid and picric acid (dry) trinitrobenzene.

Class 3: hydrogen peroxide (greater than 52 percent), hydroxylamine, nitromethane, paranitroaniline, perchloric acid and tetrafluoroethylene monomer.

Class 2: acrolein, acrylic acid, hydrazine, methacrylic acid, sodium perchlorate, styrene and vinyl acetate.

Class 1: acetic acid, hydrogen peroxide 35 percent to 52 percent, paraldehyde and tetrahydrofuran.

E102.1.11 Water-reactive materials. Examples include:

Class 3: aluminum alkyls such as triethylaluminum, isobutylaluminum and trimethylaluminum; bromine pentafluoride, bromine trifluoride, chlorodiethylaluminum and diethylzinc.

Class 2: calcium carbide, calcium metal, cyanogen bromide, lithium hydride, methylchlorosilane, potassium metal, potassium peroxide, sodium metal, sodium peroxide, sulfuric acid and trichlorosilane.

Class 1: acetic anhydride, sodium hydroxide, sulfur monochloride and titanium tetrachloride.

E102.1.12 Cryogenic fluids. The cryogenics listed will exist as *compressed gases* where they are stored at ambient temperatures.

1. Flammable: carbon monoxide, deuterium (heavy hydrogen), ethylene, hydrogen, methane.
2. Oxidizing: fluorine, nitric oxide, oxygen.
3. *Corrosive*: fluorine, nitric oxide.
4. Inert (chemically unreactive): argon, helium, krypton, neon, nitrogen, xenon.
5. Highly toxic: fluorine, nitric oxide.

E102.2 Health hazards. Materials classified in this section pose a *health hazard*.

E102.2.1 Highly toxic materials. Examples include:

1. Gases: arsine, cyanogen, diborane, fluorine, germane, hydrogen cyanide, nitric oxide, nitrogen dioxide, ozone, phosphine, hydrogen selenide, stibine.

2. Liquids: acrolein, acrylic acid, 2-chloroethanol (ethylene chlorohydrin), hydrazine, hydrocyanic acid, 2-methylaziridine (propylenimine), 2-methyl-acetonitrile (acetone cyanohydrin), methyl ester isocyanic acid (methyl isocyanate), nicotine, tetranitromethane and tetraethylstannane (tetraethyltin).

3. Solids: (aceto) phenylmercury (phenyl mercuric acetate), 4-aminopyridine, arsenic pentoxide, arsenic trioxide, calcium cyanide, 2-chloroacetophenone, aflatoxin B, decaborane(14), mercury (II) bromide (mercuric bromide), mercury (II) chloride (*corrosive* mercury chloride), pentachlorophenol, methyl parathion, phosphorus (white) and sodium azide.

E102.2.2 Toxic materials. Examples include:

1. Gases: boron trichloride, boron trifluoride, chlorine, chlorine trifluoride, hydrogen fluoride, hydrogen sulfide, phosgene, silicon tetrafluoride.

2. Liquids: acrylonitrile, allyl alcohol, alpha-chlorotoluene, aniline, 1-chloro-2,3-epoxypropane, chloroformic acid (allyl ester), 3-chloropropene (allyl chloride), *o*-cresol, crotonaldehyde, dibromomethane, diisopropylamine, diethyl ester sulfuric acid, dimethyl ester sulfuric acid, 2-furaldehyde (furfural), furfural alcohol, phosphorus chloride, phosphoryl chloride (phosphorus oxychloride) and thionyl chloride.

3. Solids: acrylamide, barium chloride, barium (II) nitrate, benzidine, *p*-benzoquinone, beryllium chloride, cadmium chloride, cadmium oxide, chloroacetic acid, chlorophenylmercury (phenyl mercuric chloride), chromium (VI) oxide (chromic acid, solid), 2,4-dinitrotoluene, hydroquinone, mercury chloride (calomel), mercury (II) sulfate (mercuric sulfate), osmium tetroxide, oxalic acid, phenol, *P*-phenylenediamine, phenylhydrazine, 4-phenylmorpholine, phosphorus sulfide, potassium fluoride, potassium hydroxide, selenium (IV) disulfide and sodium fluoride.

E102.2.3 Corrosives. Examples include:

1. Acids: Examples: chromic, formic, hydrochloric (muriatic) greater than 15 percent, hydrofluoric, nitric (greater than 6 percent, perchloric, sulfuric (4 percent or more).
2. Bases (alkalis): hydroxides-ammonium (greater than 10 percent), calcium, potassium (greater than 1 percent), sodium (greater than 1 percent); certain carbonates-potassium.
3. Other *corrosives*: bromine, chlorine, fluorine, iodine, ammonia.

Note: *Corrosives* that are oxidizers, e.g., nitric acid, chlorine, fluorine; or are *compressed gases*, e.g., ammonia, chlorine, fluorine; or are water-reactive, e.g., concentrated sulfuric acid, sodium hydroxide, are *physical hazards* in addition to being *health hazards*.

SECTION E103 EVALUATION OF HAZARDS

E103.1 Degree of hazard. The degree of hazard present depends on many variables that should be considered individually and in combination. Some of these variables are as shown in Sections E103.1.1 through E103.1.5.

E103.1.1 Chemical properties of the material. Chemical properties of the material determine self reactions and reactions that could occur with other materials. Generally, materials within subdivisions of hazard categories will exhibit similar chemical properties. However, materials with similar chemical properties could pose very different hazards. Each individual material should be researched to determine its hazardous properties and then considered in relation to other materials that it might contact and the surrounding environment.

E103.1.2 Physical properties of the material. Physical properties, such as whether a material is a solid, liquid or gas at ordinary temperatures and pressures, considered along with chemical properties will determine requirements for containment of the material. Specific gravity (weight of a liquid compared to water) and vapor density (weight of a gas compared to air) are both physical properties that are important in evaluating the hazards of a material.

E103.1.3 Amount and concentration of the material. The amount of material present and its concentration must be considered along with physical and chemical properties to determine the magnitude of the hazard. Hydrogen peroxide, for example, is used as an antiseptic and a hair bleach in low concentrations (approximately 8 percent in water solution). Over 8 percent, hydrogen peroxide is classed as an oxidizer and is toxic. Above 90 percent, it is a Class 4 oxidizer “that can undergo an explosive reaction when catalyzed or exposed to heat, shock or friction,” a definition that incidentally also places hydrogen peroxide over 90-percent concentration in the unstable (reactive) category. Small amounts at high concentrations could present a greater hazard than large amounts at low concentrations.

E103.1.3.1 Mixtures. Gases—toxic and highly toxic gases include those gases that have an LC_{50} of 2,000 parts per million (ppm) or less when rats are exposed for a period of 1 hour or less. To maintain consistency with the definitions for these materials, exposure data for periods other than 1 hour must be normalized to 1 hour. To classify mixtures of *compressed gases* that contain one or more toxic or highly toxic components, the LC_{50} of the mixture must be determined. Mixtures that contain only two components are binary mixtures. Those that contain more than two components are multicomponent mixtures. Where two or more hazardous substances (components) having an LC_{50} below 2,000 ppm are present in a mixture, their combined effect, rather than that of the individual substance components, must be considered. In the absence of information to the contrary, the effects of the hazards present must be considered as additive. Exceptions to the above rule could be made when there is a good reason to believe

that the principal effects of the different harmful substances (components) are not additive.

For binary mixtures where the hazardous component is diluted with a nontoxic gas such as an inert gas, the LC_{50} of the mixture is estimated by use of the methodology contained in CGA P-20. The hazard zones specified in CGA P-20 are applicable for DOTn purposes and shall not be used for hazard classification.

E103.1.4 Actual use, activity or process involving the material. The definition of handling, storage and use in *closed systems* refers to materials in packages or containers. Dispensing and use in open containers or systems describes situations where a material is exposed to ambient conditions or vapors are liberated to the atmosphere. Dispensing and use in *open systems*, then, are generally more hazardous situations than handling, storage or use in *closed systems*. The actual use or process could include heating, electric or other sparks, catalytic or reactive materials and many other factors that could affect the hazard and must therefore be thoroughly analyzed.

E103.1.5 Surrounding conditions. Conditions such as other materials or processes in the area, type of construction of the structure, fire protection features (e.g., *fire walls*, sprinkler systems, alarms, etc.), occupancy (use) of adjoining areas, normal temperatures, exposure to weather, etc., must be taken into account in evaluating the hazard.

E103.2 Evaluation questions. The following are sample evaluation questions:

1. What is the material? Correct identification is important; exact spelling is vital. Check labels, MSDS, ask responsible persons, etc.
2. What are the concentration and strength?
3. What is the physical form of the material? Liquids, gases and finely divided solids have differing requirements for spill and leak control and containment.
4. How much material is present? Consider in relation to permit amounts, *maximum allowable quantity per control area* (from Group H occupancy requirements), amounts that require detached storage and overall magnitude of the hazard.
5. What other materials (including furniture, equipment and building components) are close enough to interact with the material?
6. What are the likely reactions?
7. What is the activity involving the material?
8. How does the activity impact the hazardous characteristics of the material? Consider vapors released or hazards otherwise exposed.
9. What must the material be protected from? Consider other materials, temperature, shock, pressure, etc.
10. What effects of the material must people and the environment be protected from?
11. How can protection be accomplished? Consider:
 - 11.1. Proper containers and equipment.

- 11.2. Separation by distance or construction.
- 11.3. Enclosure in cabinets or rooms.
- 11.4. Spill control, drainage and containment.
- 11.5. Control systems-ventilation, special electrical, detection and alarm, extinguishment, explosion venting, limit controls, exhaust scrubbers and excess flow control.
- 11.6. Administrative (operational) controls-signs, ignition source control, security, personnel training, established procedures, storage plans and emergency plans.

Evaluation of the hazard is a strongly subjective process; therefore, the person charged with this responsibility must gather as much relevant data as possible so that the decision will be objective and within the limits prescribed in laws, policies and standards.

It could be necessary to cause the responsible persons in charge to have tests made by qualified persons or testing laboratories to support contentions that a particular material or process is or is not hazardous. See Section 104.7.2 of the *International Fire Code*.

**SECTION E104
REFERENCED STANDARDS**

CGA (2009)	P-20—	Standard for Classification of Toxic Mixtures	E103.1.3.1
CGA (2008)	P-23—	Standard for Categorizing Gas Mixtures Containing Flammable and Nonflammable Components	E102.1.2
ICC	IFC—15	International Fire Code	E101.1, E102.1.1, E102.1.8.1, E103.2

APPENDIX F

HAZARD RANKING

The provisions contained in this appendix are not mandatory unless specifically referenced in the adopting ordinance.

SECTION F101 GENERAL

F101.1 Scope. Assignment of levels of hazards to be applied to specific hazard classes as required by NFPA 704 shall be in accordance with this appendix. The appendix is based on application of the degrees of hazard as defined in NFPA 704 arranged by hazard class as for specific categories defined in Chapter 2 of the *International Fire Code* and used throughout.

F101.2 General. The hazard rankings shown in Table F101.2 have been established by using guidelines found within NFPA 704. As noted in Section 4.2 of NFPA 704, there could be specific reasons to alter the degree of hazard assigned to a specific material; for example, ignition temperature, flammable range or susceptibility of a container to rupture by an internal combustion explosion or to metal failure while under pressure or because of heat from external fire. As a result, the degree of hazard assigned for the same material can vary when assessed by different people of equal competence.

The hazard rankings assigned to each class represent reasonable minimum hazard levels for a given class based on the use of criteria established by NFPA 704. Specific cases of use or storage may dictate the use of higher degrees of hazard in certain cases.

SECTION F102 REFERENCED STANDARDS

ICC	IFC—15	International Fire Code	F101.1
NFPA	704—12	Identification of the Hazards of Materials for Emergency Response	F101.1, F101.2

**TABLE F101.2
FIRE FIGHTER WARNING PLACARD DESIGNATIONS BASED ON HAZARD CLASSIFICATION CATEGORIES**

HAZARD CATEGORY	DESIGNATION
Combustible liquid II	F2
Combustible liquid IIIA	F2
Combustible liquid IIIB	F1
Combustible dust	F4
Combustible fiber	F3
Cryogenic flammable	F4, H3
Cryogenic oxidizing	OX, H3
Explosive	R4
Flammable solid	F2
Flammable gas (gaseous)	F4
Flammable gas (liquefied)	F4
Flammable liquid IA	F4
Flammable liquid IB	F3
Flammable liquid IC	F3
Organic peroxide, UD	R4
Organic peroxide I	F4, R3
Organic peroxide II	F3, R3
Organic peroxide III	F2, R2
Organic peroxide IV	F1, R1
Organic peroxide V	None
Oxidizing gas (gaseous)	OX
Oxidizing gas (liquefied)	OX
Oxidizer 4	OX4
Oxidizer 3	OX3
Oxidizer 2	OX2
Oxidizer 1	OX1
Pyrophoric gases	F4
Pyrophoric solids, liquids	F3
Unstable reactive 4D	R4
Unstable reactive 3D	R4
Unstable reactive 3N	R2
Unstable reactive 2	R2
Unstable reactive 1	None
Water reactive 3	W3
Water reactive 2	W2
Corrosive	H3, COR
Toxic	H3
Highly toxic	H4

F—Flammable category.
 R—Reactive category.
 H—Health category.
 W—Special hazard: water reactive.
 OX—Special hazard: oxidizing properties.

COR—Corrosive.
 UD—Unclassified detonable material.
 4D—Class 4 detonable material.
 3D—Class 3 detonable material.
 3N—Class 3 nondetonable material.

APPENDIX G

CRYOGENIC FLUIDS—WEIGHT AND VOLUME EQUIVALENTS

This appendix is for information purposes and is not intended for adoption.

SECTION G101 GENERAL

G101.1 Scope. This appendix is used to convert from liquid to gas for *cryogenic fluids*.

G101.2 Conversion. Table G101.2 shall be used to determine the equivalent amounts of *cryogenic fluids* in either the liquid or gas phase.

G101.2.1 Use of the table. To use Table G101.2, read horizontally across the line of interest. For example, to determine the number of cubic feet of gas contained in 1.0 gallon (3.785 L) of liquid argon, find 1.000 in the column entitled “Volume of Liquid at Normal *Boiling Point*.” Reading across the line under the column entitled “Volume of Gas at NTP” (70°F and 1 atmosphere/14.7 psia), the value of 112.45 cubic feet (3.184 m³) is found.

G101.2.2 Other quantities. If other quantities are of interest, the numbers obtained can be multiplied or divided to obtain the quantity of interest. For example, to determine the number of cubic feet of argon gas contained in a volume of 1,000 gallons (3785 L) of liquid argon at its normal *boiling point*, multiply 112.45 by 1,000 to obtain 112,450 cubic feet (3184 m³).

**TABLE G101.2
WEIGHT AND VOLUME EQUIVALENTS FOR COMMON CRYOGENIC FLUIDS**

CRYOGENIC FLUID	WEIGHT OF LIQUID OR GAS		VOLUME OF LIQUID AT NORMAL BOILING POINT		VOLUME OF GAS AT NTP	
	Pounds	Kilograms	Liters	Gallons	Cubic feet	Cubic meters
Argon	1.000	0.454	0.326	0.086	9.67	0.274
	2.205	1.000	0.718	0.190	21.32	0.604
	3.072	1.393	1.000	0.264	29.71	0.841
	11.628	5.274	3.785	1.000	112.45	3.184
	10.340	4.690	3.366	0.889	100.00	2.832
	3.652	1.656	1.189	0.314	35.31	1.000
Helium	1.000	0.454	3.631	0.959	96.72	2.739
	2.205	1.000	8.006	2.115	213.23	6.038
	0.275	0.125	1.000	0.264	26.63	0.754
	1.042	0.473	3.785	1.000	100.82	2.855
	1.034	0.469	3.754	0.992	100.00	2.832
	0.365	0.166	1.326	0.350	35.31	1.000
Hydrogen	1.000	0.454	6.409	1.693	191.96	5.436
	2.205	1.000	14.130	3.733	423.20	11.984
	0.156	0.071	1.000	0.264	29.95	0.848
	0.591	0.268	3.785	1.000	113.37	3.210
	0.521	0.236	3.339	0.882	100.00	2.832
	0.184	0.083	1.179	0.311	35.31	1.000
Oxygen	1.000	0.454	0.397	0.105	12.00	0.342
	2.205	1.000	0.876	0.231	26.62	0.754
	2.517	1.142	1.000	0.264	30.39	0.861
	9.527	4.321	3.785	1.000	115.05	3.250
	8.281	3.756	3.290	0.869	100.00	2.832
	2.924	1.327	1.162	0.307	35.31	1.000
Nitrogen	1.000	0.454	0.561	0.148	13.80	0.391
	2.205	1.000	1.237	0.327	30.43	0.862
	1.782	0.808	1.000	0.264	24.60	0.697
	6.746	3.060	3.785	1.000	93.11	2.637
	7.245	3.286	4.065	1.074	100.00	2.832
	2.558	1.160	1.436	0.379	35.31	1.000
LNG ^a	1.000	0.454	1.052	0.278	22.968	0.650
	2.205	1.000	2.320	0.613	50.646	1.434
	0.951	0.431	1.000	0.264	21.812	0.618
	3.600	1.633	3.785	1.000	82.62	2.340
	4.356	1.976	4.580	1.210	100.00	2.832
	11.501	5.217	1.616	0.427	35.31	1.000

For SI: 1 pound = 0.454 kg, 1 gallon = 3.785 L, 1 cubic foot = 0.02832 m³, °C = [(°F)-32]/1.8, 1 pound per square inch atmosphere = 6.895 kPa.

a. The values listed for liquefied natural gas (LNG) are "typical" values. LNG is a mixture of hydrocarbon gases, and no two LNG streams have exactly the same composition.

APPENDIX H

HAZARDOUS MATERIALS MANAGEMENT PLAN (HMMP) AND HAZARDOUS MATERIALS INVENTORY STATEMENT (HMIS) INSTRUCTIONS

The provisions contained in this appendix are adopted as part of this code.

SECTION H101 HMMP

H101.1 Part A (See Example Format in Figure 1).

1. Fill out items and sign the declaration.
2. Part A of this section is required to be updated and submitted annually, or within 30 days of a process or management change.

H101.2 Part B—General Facility Description/Site Plan (See Example Format in Figure 2).

1. Provide a site plan on 8½ by 11 inch (215 mm by 279 mm) paper, showing the locations of all buildings, structures, outdoor chemical control or storage and use areas, parking lots, internal roads, storm and sanitary sewers, wells and adjacent property uses. Indicate the approximate scale, northern direction and date the drawing was completed.

H101.3 Part C—Facility Storage Map—Confidential Information (See Example Format in Figure 3).

1. Provide a floor plan of each building identified on the site plan as containing hazardous materials on 8½-inch by 11-inch (215 mm by 279 mm) paper, identifying the northern direction, and showing the location of each storage and use area.
2. Identify storage and use areas, including hazard waste storage areas.
3. Show the following:
 - 3.1. Accesses to each storage and use area.
 - 3.2. Location of emergency equipment.
 - 3.3. Location where liaison will meet emergency responders.
 - 3.4. Facility evacuation meeting point locations.
 - 3.5. The general purpose of other areas within the building.
 - 3.6. Location of all aboveground and underground tanks to include sumps, vaults, below-grade treatment systems, piping, etc.
 - 3.7. Show hazard classes in each area.
 - 3.8. Show locations of all Group H occupancies, control areas, and exterior storage and use areas.
 - 3.9. Show emergency exits.

SECTION H102 HMIS

H102.1 Inventory statement contents.

1. HMIS Summary Report (see Example Format in Figure 4).
 - 1.1. Complete a summary report for each control area and Group H occupancy.
 - 1.2. The storage summary report includes the HMIS Inventory Report amounts in storage, use-closed and use-open conditions.
 - 1.3. Provide separate summary reports for storage, use-closed and use-open conditions.
 - 1.4. IBC/IFC Hazard Class.
 - 1.5. Inventory Amount. [Solid (lb), Liquid (gal), Gas (cu ft, gal or lbs)].
 - 1.6. IBC/IFC Maximum Allowable Quantity per control area (MAQ). (If applicable, double MAQ for sprinkler protection and/or storage in cabinets. For wholesale and retail sales occupancies, go to Tables 5003.11.1 and 5704.3.4.1 of the *International Fire Code* for MAQs.)
2. HMIS Inventory Report (see Example Format in Figure 5).
 - 2.1. Complete an inventory report by listing products by location.
 - 2.2. Product Name.
 - 2.3. Components. (For mixtures specify percentages of major components if available.)
 - 2.4. Chemical Abstract Service (CAS) Number. (For mixtures list CAS Numbers of major components if available.)
 - 2.5. Location. (Identify the control area or, if it is a Group H occupancy, provide the classification, such as H-2, H-3, etc.)
 - 2.6. Container with a capacity of greater than 55 gallons (208 L). (If product container, vessel or tank could exceed 55 gallons, indicate yes in column.)
 - 2.7. Hazard Classification. (List applicable classifications for each product.)
 - 2.8. Stored. (Amount of product in storage conditions.)

2.9. Closed. (Amount of product in use-closed systems.)

2.10. Open. (Amount of product in use-open systems.)

Facilities that have prepared, filed and submitted a Tier II Inventory Report required by the U.S. Environmental Protection Agency (USEPA) or required by a state that has secured USEPA approval for a similar form shall be deemed to have complied with this section.

**SECTION H103
EMERGENCY PLAN**

1. Emergency Notification. (See Example Format in Figure 6.)
2. Where OSHA or state regulations require a facility to have either an Emergency Action Plan (EAP) or an Emergency Response Plan (ERP), the EAP or ERP shall be included as part of the HMMP.

**SECTION H104
REFERENCED STANDARDS**

ICC	IBC—15	International Building Code	H102.1
ICC	IFC—15	International Fire Code	H102.1

**FIGURE 1
HAZARDOUS MATERIALS MANAGEMENT PLAN
SECTION I: FACILITY DESCRIPTION**

1. Business Name: _____ Phone: _____
Address: _____

2. Person Responsible for the Business
Name: _____ Title: _____ Phone: _____

3. Emergency Contacts:

Name:	Title:	Home Number:	Work Number:
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

4. Person Responsible for the Application/Principal Contact:
Name: _____ Title: _____ Phone: _____

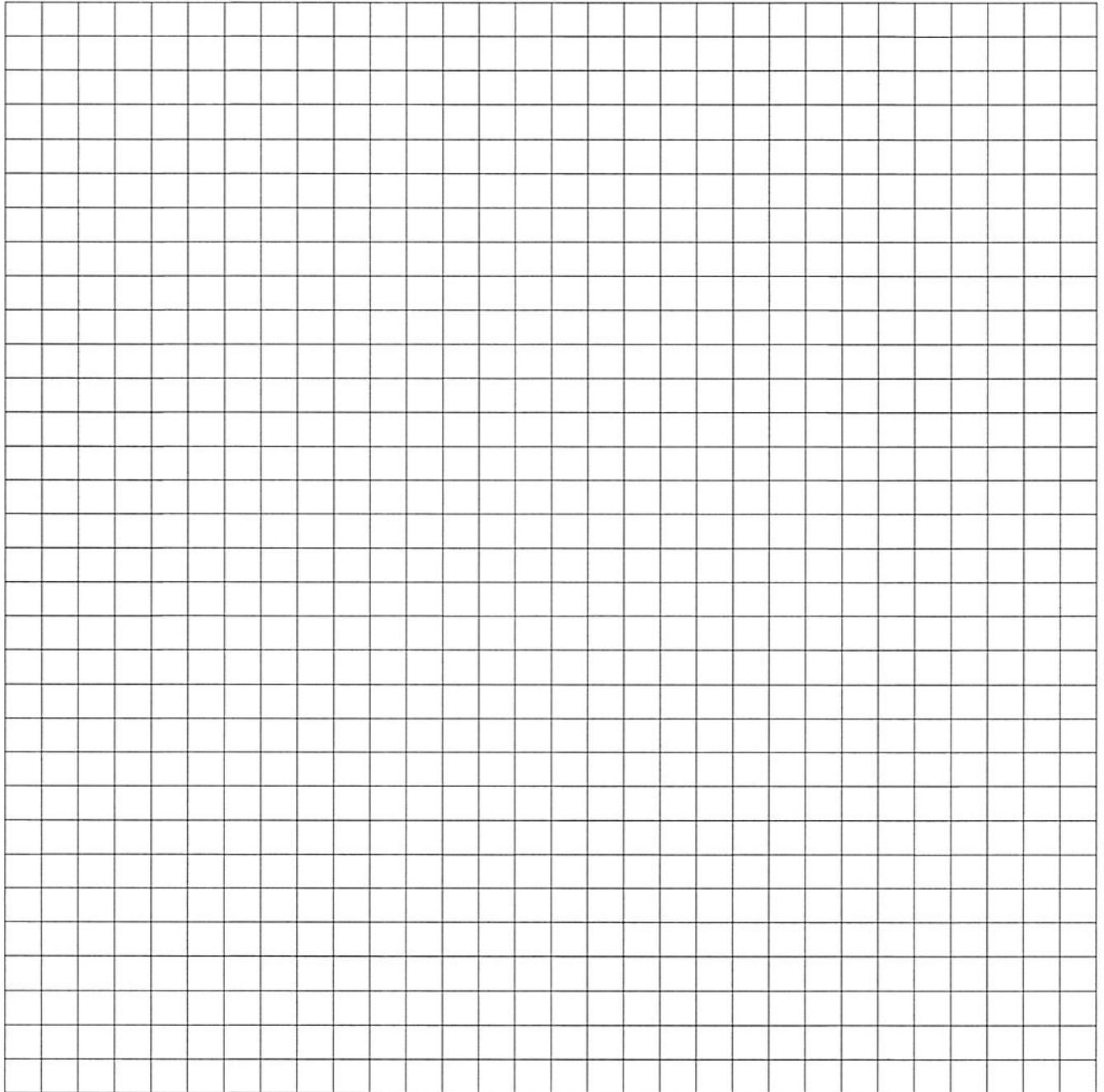
5. Principal Business Activity:

6. Number of Employees: _____

7. Number of Shifts: _____
a. Number of Employees per Shift:

8. Hours of Operation: _____

FIGURE 3
HAZARDOUS MATERIALS MANAGEMENT PLAN SECTION I: FACILITY DESCRIPTION PART C—FACILITY MAP



Business Name	Date
Address	Page of

FIGURE 4
SECTION II—HAZARDOUS MATERIALS INVENTORY STATEMENT (HMIS) HMIS SUMMARY REPORT^a (Storage^b Conditions)^c

IBC/IFC HAZARD CLASS	HAZARD CLASS (Abbrev)	INVENTORY AMOUNT			IBC/IFC MAXIMUM ALLOWABLE QUANTITY ^d		
		Solid (lb)	Liquid (gal)	Gas (cu ft, gal, lb)	Solid (lb)	Liquid (gal)	Gas (cu ft, gal, lb)
Combustible Liquid	C2		5			120	
	C3A					330	
	C3B		6			13,200	
Combustible Fiber	Loose/Baled						
Cryogenics, Flammable	Cryo-Flam					45	
Cryogenic, Oxidizing	Cryo-OX					45	
Flammable Gas	FLG						
(Gaseous)				150			1,000
(Liquefied)						30	
Flammable Liquid	F1A					30	
	F1B & F1C		5			120	
Combination (1A, 1B, 1C)			5			120	
Flammable Solid	FLS				125		
Organic Peroxide	OPU				0		
	OP1				5		
	OP2				50		
	OP3				125		
	OP4				NL		
	OP5				NL		
Oxidizer	OX4				0		
	OX3				10		
	OX2				250		
	OX1				4,000		

- a. Complete a summary report for each control area and Group H occupancy.
 - b. Storage = storage + use-closed + use-open systems.
 - c. Separate reports are required for use-closed and use-open systems.
 - d. Include increases for sprinklers or storage in cabinets, if applicable.
- (This is an example; add additional hazard classes as needed.)

FIGURE 5
SECTION II — HAZARDOUS MATERIALS INVENTORY STATEMENT (HMIS) HMIS INVENTORY REPORT
(Sort Products Alphabetically by Location of Product and then Alphabetically by Product Name)

Product Name (Components) ^c	CAS Number	Location ^a	Container > 55 gal ^b	Haz Class 1	Haz Class 2	Haz Class 3	Stored (lbs)	Stored (gal)	Stored (gas) ^d	Closed (lbs)	Closed (gal)	Closed gas ^d	Open (lbs)	Open (gal)
ACETYLENE (Acetylene gas)	74-86-2	Control Area 1		FLG	UR2				150					
BLACK AEROSOL SPRAY PAINT (Mixture)	Mixture	Control Area 1		A-L3			24							
GASOLINE, UNLEADED (Gasoline-Mixture) Methyl-t-Butyl-Ether-15% Diisopropyl Ether-7% Ethanol-11% Toluene-12% Xylene-11%	8006-61-9 1634-04-4 108-20-3 64-17-5 108-88-3 1330-20-7	Control Area 1		F1B				5						
MOTOR OIL-10W40 (Hydrotreated Heavy Paraffinic Distillate-85%; Additives-20%)	64742-54-7 Mixture	Control Area 1		C3B				3						
DIESEL (Diesel-99-100%; Additives)	68476-34-6 Proprietary	Control Area 2	Yes	C2				225						
TRANSMISSION FLUID (Oil-Solvent-Neutral; Performance Additives)	64742-65-0	Control Area 2		C3B				3						
OXYGEN, GAS (Oxygen)	7782-44-7	H-3		OXG					5,000					

a. Identify the control area or, if it is a Group H occupancy, provide the classification, such as H-2, H-3, etc.

b. If the product container, vessel or tank could exceed 55 gallons, indicate yes in the column.

c. Specify percentages of main components if available.

d. In cubic feet, gallons or pounds.

(This is an example; add additional hazard classes as needed.)

**FIGURE 6
HAZARDOUS MATERIALS MANAGEMENT PLAN
SECTION III: EMERGENCY PLAN**

1. In the event of an emergency, the following shall be notified:

a. Facility Liaison

Name	Title	Home Number	Work Number
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

b. Agency

Agency	Contact	Phone Number
Fire Department	_____	_____
LEPC	_____	_____
Other	_____	_____

APPENDIX I
FIRE PROTECTION SYSTEMS—NONCOMPLIANT CONDITIONS

Deleted.



APPENDIX J

BUILDING INFORMATION SIGN

The provisions contained in this appendix are not mandatory unless specifically referenced in the adopting ordinance.

SECTION J101 GENERAL

J101.1 Scope. New buildings shall have a building information sign(s) that shall comply with Sections J101.1.1 through J101.7. Existing buildings shall be brought into conformance with Sections J101.1 through J101.9 when one of the following occurs:

1. The fire department conducts an annual inspection intended to verify compliance with this section, or any required inspection.
2. When a change in use or occupancy has occurred.

Exceptions:

1. Group U occupancies.
2. One- and two-family dwellings.

J101.1.1 Sign location. The building information sign shall be placed at one of the following locations:

1. Upon the entry door or sidelight at a minimum height of 42 inches (1067 mm) above the walking surface on the address side of the building or structure.
2. Upon the exterior surface of the building or structure on either side of the entry door, not more than 3 feet (76 mm) from the entrance door, at a minimum

height of 42 inches (1067 mm) above the walking surface on the address side of the building or structure.

3. Conspicuously placed inside an enclosed entrance lobby, on any vertical surface within 10 feet (254 mm) of the entrance door at a minimum height of 42 inches (1067 mm) above the walking surface.
4. Inside the building's fire command center.
5. On the exterior of the fire alarm control unit or on the wall immediately adjacent to the fire alarm control unit door where the alarm panel is located in the enclosed main lobby.

J101.1.2 Sign features. The building information sign shall consist of all of the following:

1. White reflective background with red letters.
2. Durable material.
3. Numerals shall be Roman or Latin numerals, as required, or alphabet letters.
4. Permanently affixed to the building or structure in an approved manner.

J101.1.3 Sign shape. The building information sign shall be a Maltese cross as shown in Figure J101.1.3.

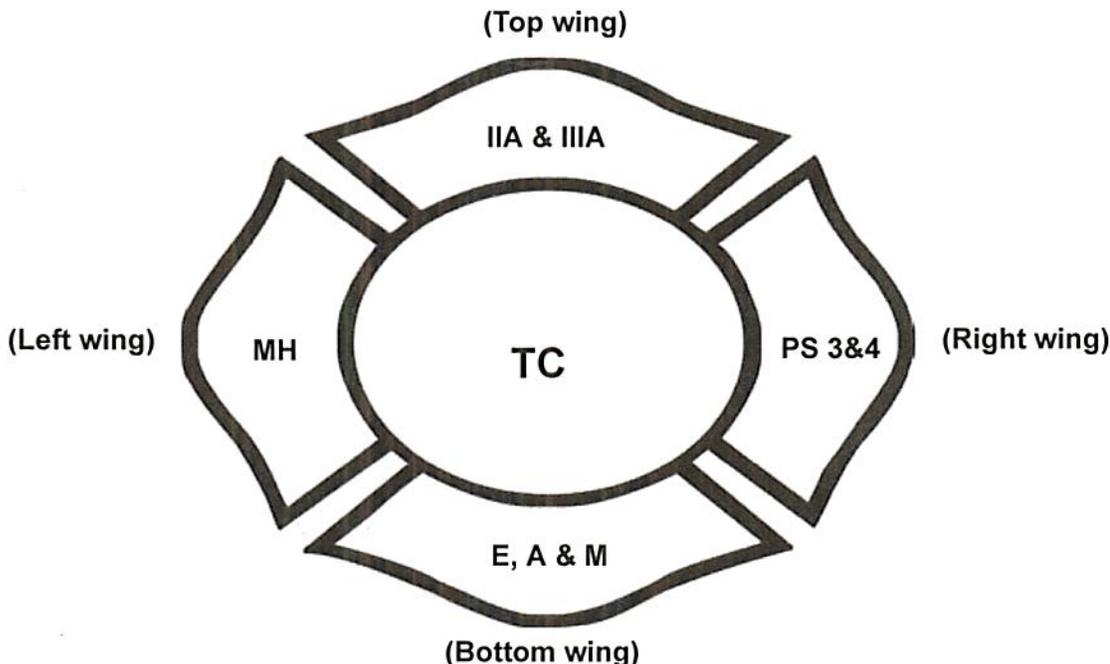


FIGURE J101.1.3
EXAMPLE OF COMPLETED BUILDING INFORMATION SIGN

J101.1.4 Sign size and lettering. The minimum size of the building information sign and lettering shall be in accordance with the following:

1. The width and height shall be 6 inches by 6 inches (152 mm by 152 mm).
2. The height or width of each Maltese cross wing area shall be 1¹/₈ inches (29 mm) and have a stroke width of 1/2 inch (13 mm).
3. The center of the Maltese cross, a circle or oval, shall be 3 inches (76 mm) in diameter and have a stroke width of 1/2 inch (6 mm).
4. All Roman numerals and alphabetic designations, shall be 1¹/₄ inch (32 mm) height and have a stroke width of 1/4 inch (6 mm).

J101.2 Sign designations. Designations shall be made based upon the construction type, content, hazard, *fire protection systems*, life safety and occupancy. Where multiple designations occur within a classification category, the designation used shall be based on the greatest potential risk.

J101.3 Construction type (top wing). The construction types shall be designated by assigning the appropriate Roman numeral, and letter, placed inside the top wing of the Maltese cross. The hourly rating provided is for the structural framing in accordance with Table 601 of the *International Building Code*,

CONSTRUCTION TYPE	FIRE-RESISTANCE RATING
IA—Noncombustible	3 Hours
IB—Noncombustible	2 Hours
IIA—Noncombustible	1 Hour
IIB—Noncombustible	0 Hours
IIIA—Noncombustible/combustible	1 Hour
IIIB—Noncombustible/combustible	0 Hours
IV—Heavy timber (HT)	HT
VA—Combustible	1 Hour
VB—Combustible	0 Hours

J101.4 Fire protection systems (right wing). The *fire protection system* shall be designated by determining its level of protection and assigning the appropriate designation to the right wing of the Maltese cross. Where multiple systems are provided, all shall be listed:

- AS Automatic sprinkler system installed throughout
- DS Dry sprinkler system and designated areas
- FA Fire alarm system
- FP Fire pump
- FW Fire wall and designated areas
- PAS Pre-action sprinkler system and designated floor
- PS Partial automatic sprinkler system, and designate floor
- CES Chemical extinguishing system and designated area
- CS Combination sprinkler and standpipe system

- S Standpipe system
- NS No system installed

J101.5 Occupancy type (bottom wing). The occupancy of a building or structure shall be designated in accordance with the occupancy classification found in Section 302.1 of the *International Building Code* and the corresponding designation shall be placed in the bottom wing of the Maltese cross. Where a building or structure contains a mixture of uses and occupancies; all uses and occupancies shall be identified.

- A Assembly
- B Business
- E Educational
- F Factory or Industrial
- H High Hazard
- I Institutional
- M Mercantile
- R Residential

J101.6 Hazards of content (left wing). The hazards of building contents shall be designated by one of the following classifications as defined in NFPA 13 and the appropriate designation shall be placed inside the left wing of the Maltese cross:

- LH Light hazard
- MH Moderate hazard
- HH High hazard

J101.7 Tactical considerations (center circle). The center circle shall include the name of the local fire service and when required the letters TC for tactical considerations. Where fire fighters conduct preplan operations, a unique situation(s) for tactical considerations shall be identified and the information provided to the fire dispatch communications center to further assist fire fighters in identifying that there is special consideration(s) for this occupancy. Special consideration designations include, but are not limited to:

1. Impact-resistant drywall.
2. Impact-resistant glazing, such as blast or hurricane-type glass.
3. All types of roof and floor structural members including but not limited to post-tension concrete, bar joists, solid wood joists, rafters, trusses, cold-formed galvanized steel, I-joists and I-beams; green roof with vegetation, soil and plants.
4. Hazardous materials (explosives, chemicals, plastics, etc.).
5. Solar panels and DC electrical energy.
6. HVAC system; and smoke management system for pressurization and exhaust methods.
7. Other unique characteristic(s) within the building that are ranked according to a potential risk to occupants and fire fighters.

J101.8 Sign classification maintenance, building information. Sign maintenance shall comply with each of the following:

1. Fire departments in the jurisdiction shall define the designations to be placed within the sign.
2. Fire departments in the jurisdiction shall conduct annual inspections to verify compliance with this section of the code and shall notify the *owner*, or the *owner's* agent, of any required updates to the sign in accordance with fire department designations and the *owner*, or the *owner's* agent, shall comply within 30 days.
3. The owner of a building shall be responsible for the maintenance and updates to the sign in accordance with fire department designations.

J101.9 Training. Jurisdictions shall train fire department personnel on Sections J101.1 through J101.9.

**SECTION J102
REFERENCED STANDARDS**

ICC	IBC—15	International Building Code	J101.3, J101.5
NFPA	13—13	Installation of Sprinkler Systems	J101.6



APPENDIX K
**CONSTRUCTION REQUIREMENTS FOR
EXISTING AMBULATORY CARE FACILITIES**

Deleted.



APPENDIX L

REQUIREMENTS FOR FIRE FIGHTER AIR REPLENISHMENT SYSTEMS

The provisions contained in this appendix are not mandatory unless specifically referenced in the adopting ordinance.

SECTION L101 GENERAL

L101.1 Scope. Fire fighter air replenishment systems (FARS) shall be provided in accordance with this appendix. The adopting ordinance shall specify building characteristics or special hazards that establish thresholds triggering a requirement for the installation of a FARS. The requirement shall be based upon the fire department's capability of replenishing fire fighter breathing air during sustained emergency operations. Considerations shall include:

1. Building characteristics, such as number of stories above or below grade plane, floor area, type of construction and fire-resistance of the primary structural *frame* to allow sustained fire-fighting operations based on a rating of not less than 2 hours.
2. Special hazards, other than buildings, that require unique accommodations to allow the fire department to replenish fire fighter breathing air.
3. Fire department staffing level.
4. Availability of a fire department breathing air replenishment vehicle.

SECTION L102 DEFINITIONS

L102.1 Definitions. For the purpose of this appendix, certain terms are defined as follows:

FIRE FIGHTER AIR REPLENISHMENT SYSTEM (FARS). A permanently installed arrangement of piping, valves, fittings and equipment to facilitate the replenishment of breathing air in self contained breathing apparatus (SCBA) for fire fighters engaged in emergency operations.

SECTION L103 PERMITS

L103.1 Permits. Permits shall be required to install and maintain a FARS. Permits shall be in accordance with Sections L103.2 and L103.3.

L103.2 Construction permit. A construction permit is required for installation of or modification to a FARS. The construction permit application shall include documentation of an acceptance and testing plan as specified in Section L105.

L103.3 Operational permit. An operational permit is required to maintain a FARS.

SECTION L104 DESIGN AND INSTALLATION

L104.1 Design and installation. A FARS shall be designed and installed in accordance with Sections L104.2 through L104.15.

L104.2 Standards. Fire fighter air replenishment systems shall be in accordance with Sections L104.2.1 and L104.2.2.

L104.2.1 Pressurized system components. Pressurized system components shall be designed and installed in accordance with ASME B31.3.

L104.2.2 Air quality. The system shall be designed to convey breathing air complying with NFPA 1989.

L104.3 Design and operating pressure. The minimum design pressure shall be 110 percent of the fire department's normal SCBA fill pressure. The system design pressure shall be marked in an approved manner at the supply connections, and adjacent to pressure gauges on any fixed air supply components. Pressure shall be maintained in the system within 5 percent of the design pressure.

L104.4 Cylinder refill rate. The FARS shall be capable of refilling breathing air cylinders of a size and pressure used by the fire department at a rate of not less than two empty cylinders in 2 minutes.

L104.5 Breathing air supply. Where a fire department mobile air unit is available, the FARS shall be supplied by an external mobile air connection in accordance with Section L104.14. Where a fire department mobile air unit is not available, a stored pressure air supply shall be provided in accordance with Section L104.5.1. A stored pressure air supply shall be permitted to be added to a system supplied by an external mobile air connection provided that a means to bypass the stored pressure air supply is located at the external mobile air connection.

L104.5.1. Stored pressure air supply. A stored pressure air supply shall be designed based on Chapter 24 of NFPA 1901 except that provisions applicable only to mobile apparatus or not applicable to system design shall not apply. A stored pressure air supply shall be capable of refilling not less than 50 empty breathing air cylinders of a size and pressure used by the fire department.

L104.5.2. Retrofit of external mobile air connection. A FARS not initially provided with an external mobile air connection due to the lack of a mobile air unit shall be retrofitted with an external mobile air connection where a mobile air unit becomes available. Where an external mobile air connection is provided, a means to bypass the

stored pressure air supply shall be located at the external mobile air connection. The retrofit shall be completed not more than 12 months after notification by the *fire code official*.

L104.6 Isolation valves. System isolation valves that are accessible to the fire department shall be installed on the system riser to allow piping beyond any air cylinder refill panel to be blocked.

L104.7 Pressure relief valve. Pressure relief valves shall be installed at each point of supply and at the top or end of every riser. The relief valve shall meet the requirements of CGA S-1.3 and shall not be field adjustable. Pressure relief valves shall discharge in a manner that does not endanger personnel who are in the area. Valves, plugs or caps shall not be installed in the discharge of a pressure relief valve. Where discharge piping is used the end shall not be threaded.

L104.8 Materials and equipment. Pressurized system components shall be *listed* or *approved* for their intended use and rated for the maximum allowable design pressure in the system. Piping and fittings shall be stainless steel.

L104.9 Welded connections. Piping connections that are concealed shall be welded.

L104.10 Protection of piping. System piping shall be protected from physical damage in an *approved* manner.

L104.11 Compatibility. Fittings and connections intended to be used by the fire department shall be compatible with the fire department's equipment.

L104.12 Security. Connections to a FARS shall be safeguarded from unauthorized access in an *approved* manner.

L104.13 Fill stations. Fire fighter air replenishment fill stations shall comply with Section L104.13.1 through L104.13.3.

L104.13.1 Location. Fill stations for refilling breathing air cylinders shall be located as follows:

1. Fill stations shall be provided at the fifth floor above and below the ground level floor and every third floor level thereafter.
2. On floor levels requiring fill stations, one fill station shall be provided adjacent to a required exit stair at a location designated by the *fire code official*. In buildings required to have three or more exit stairs, additional fill stations shall be provided at a ratio of one fill station for every three stairways.

L104.13.2 Design. Fill stations for breathing air cylinders shall be designed to meet the following requirements:

1. A pressure gauge and pressure-regulating devices and controls shall be provided to allow the operator to control the fill pressure and fill rate on each cylinder fill hose.
2. Valves controlling cylinder fill hoses shall be slow-operating valves.
3. A separate flow restriction device shall be provided on each fill hose.

4. A method shall be provided to bleed each cylinder fill hose.

5. The fill station shall be designed to provide a containment area that fully encloses any cylinder being filled and flexible cylinder fill hoses, and directs the energy from a failure away from personnel. Fill stations shall be designed to prohibit filling of cylinders that are not enclosed within the containment area.

Exception: Where required or *approved* by the fire chief, fill stations providing for the direct refilling of the fire fighters' breathing air cylinders using Rapid Intervention Crew/Company Universal Air Connection (RIC/UAC) fittings shall be used in lieu of cylinder fill stations that utilize containment areas.

L104.13.3 Cylinder refill rate. Fill stations shall be capable of simultaneously filling two or more empty breathing air cylinders equivalent to those used by the fire department to the cylinders' design pressure within 2 minutes.

L104.14 External mobile air connection. An external mobile air connection shall be provided for fire department mobile air apparatus where required by Section L104.5 to supply the system with breathing air.

L104.14.1 Location. The location of the external mobile air connection shall be accessible to mobile air apparatus and *approved* by the fire chief.

L104.14.2 Protection from vehicles. A means of vehicle impact protection in accordance with Section 312 shall be provided to protect mobile air connections that are subject to vehicular impact.

L104.14.3 Clear space around connections. A working space of not less than 36 inches (914 mm) in width, 36 inches (914 mm) in depth and 78 inches (1981 mm) in height shall be provided and maintained in front of and to the sides of external mobile air connections.

L104.15 Air monitoring system. An *approved* air monitoring system shall be provided. The system shall automatically monitor air quality, moisture and pressure on a continual basis. The air monitoring system shall be equipped with not less than two content analyzers capable of detecting carbon monoxide, carbon dioxide, nitrogen, oxygen, moisture and hydrocarbons.

L104.15.1 Alarm conditions. The air monitoring system shall transmit a supervisory signal when any of the following levels are detected:

1. Carbon monoxide exceeds 5 ppm.
2. Carbon dioxide exceeds 1,000 ppm.
3. An oxygen level below 19.5 percent or above 23.5 percent.
4. A nitrogen level below 75 percent or above 81 percent.
5. Hydrocarbon (condensed) content exceeds 5 milligrams per cubic meter of air.

6. The moisture concentration exceeds 24 ppm by volume.
7. The pressure falls below 90 percent of the maintenance pressure specified in Section L104.3.

L104.15.2 Alarm supervision, monitoring and notification. The air monitoring system shall be electrically supervised and monitored by an *approved* supervising station, or where *approved*, shall initiate audible and visual supervisory signals at a constantly attended location.

L104.15.3 Air quality status display. Air quality status shall be visually displayed at the external mobile air connection required by Section L104.14.

SECTION L105 ACCEPTANCE TESTS

L105.1 Acceptance tests. Upon completion of the installation, a FARS shall be acceptance tested to verify compliance with equipment manufacturers' instructions and design documents. Oversight of the acceptance tests shall be provided by a registered design professional. Acceptance testing shall include all of the following:

1. A pneumatic test in accordance with ASME B31.3 of the complete system at a minimum test pressure of 110 percent of the system design pressure using oil free dry air, nitrogen or argon shall be conducted. Test pressure shall be maintained for not less than 24 hours. During this test, all fittings, joints and system components shall be inspected for leaks. Defects in the system or leaks detected shall be documented and repaired.
2. A cylinder-filling performance test shall be conducted to verify compliance with the required breathing air cylinder refill rate from the exterior mobile air connection and, where provided, a stored air pressure supply system.
3. The air quality monitoring system shall be tested to verify both of the following conditions:
 - 3.1. Visual indicators required by Section L104.15.1 function properly.
 - 3.2. Supervisory signals are transmitted as required by Section L104.15.2 for each sensor based on a sensor function test.
4. Connections intended for fire department use shall be confirmed as compatible with the fire department's mobile air unit, SCBA cylinders and, where provided, RIC/UAC connections.
5. Air samples shall be taken from not less than two fill stations and submitted to an *approved* gas analysis laboratory to verify compliance with NFPA 1989. The FARS shall not be placed into service until a written report verifying compliance with NFPA 1989 has been provided to the *fire code official*.

SECTION L106 INSPECTION, TESTING AND MAINTENANCE

L106.1 Periodic inspection, testing and maintenance. A FARS shall be continuously maintained in an operative condition and shall be inspected not less than annually. Not less than quarterly, an air sample shall be taken from the system and tested to verify compliance with NFPA 1989. The laboratory test results shall be maintained on site and readily available for review by the *fire code official*.

SECTION L107 REFERENCED STANDARDS

ASME B31.3—2012	Process Piping	L104.2.1, L105.1
CGA S-1.3—2008	Pressure Relief Device Standards – Part 3 Stationary Storage Containers for Compressed Gases	L104.7
NFPA 1901—09	Standard for Automotive Fire Apparatus	L104.5.1,
NFPA 1989—13	Breathing Air Quality for Fire Emergency Services Respiratory Protection	L104.2.2, L105.1, L106.1



APPENDIX M

**HIGH-RISE BUILDINGS—RETROACTIVE
AUTOMATIC SPRINKLER REQUIREMENT**

Deleted.



AGENDA ITEM 9:**MISCELLANEOUS ADMINISTRATIVE MATTERS*****A. Valle Crucis School Change Order #3 and #4*****MANAGER'S COMMENTS:**

Change Orders 3 and 4 for the Valle Crucis Elementary School are presented for Board approval. Below is a detailed breakout of the Change Orders for the project.

The original contract sum was \$47,874,600.

1. Change Order #1 was (\$382,011) bringing the new contract sum to \$47,492,589.
2. Change Order #2 was \$10,508.50 bringing the new contract sum to \$47,503,097.50. This brought the sum of all change orders to (\$371,502.50).
3. Change Order #3 was \$56,888.54 bringing the new contract sum to \$47,559,986.04. This brought the sum of all change orders to (\$314,613.96).
4. Change Order #4 was \$29,014.44 bringing the new contract sum to \$47,589,000.48. This brought the sum of all change orders to (\$285,599.52). The change order shows the contract time increased by 40 days for weather and mud days and indicates the completion date of December 19, 2024.

Change Order 3 is mainly for the liquid chemical feeder and plumbing changes. Change Order 4 is primarily for main water line reroutes and connections. Approval of Change Orders 3 & 4 still leaves a credit balance of \$285,599.52.

Board approval is required to approve Change Orders 3 & 4 in the amount of \$56,888.54 and \$29,014.44, respectively.

AIA Document G701[®] – 2017

Change Order

PROJECT: <i>(Name and address)</i> Valle Crucis Elementary School Sugar Grove, NC	CONTRACT INFORMATION: Contract For: General Construction Date: 2/14/2023	CHANGE ORDER INFORMATION: Change Order Number: 003 Date: 11/14/2023
OWNER: <i>(Name and address)</i> Watauga County 814 W. King Street Boone, NC 28607	ARCHITECT: <i>(Name and address)</i> Clark Nexsen 301 College Street Suite 300 Asheville, NC 28801	CONTRACTOR: <i>(Name and address)</i> H&M Constructors, a Division of MB Haynes Corporation 187 Deaverview Road Asheville, NC 28806

THE CONTRACT IS CHANGED AS FOLLOWS:

(Insert a detailed description of the change and, if applicable, attach or reference specific exhibits. Also include agreed upon adjustments attributable to executed Construction Change Directives.)

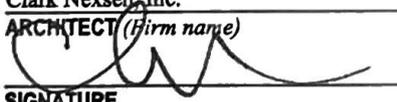
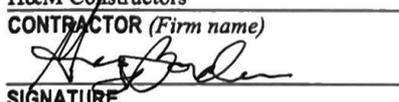
- COR #1: \$27,383.90
- COR #18: \$2,955.79
- COR#19: Credit for (-\$30,460.80)
- COR #21: \$9,691.38
- COR#26: \$4,859.42
- COR #29: \$6,557.13
- COR#31: \$3,956.60
- COR#33: \$6,526.17
- COR#35: \$17,693.94
- COR#39: \$879.69
- COR#43: \$6,845.32

The original Contract Sum was	\$ 47,874,600.00
The net change by previously authorized Change Orders	\$ -371,502.50
The Contract Sum prior to this Change Order was	\$ 47,503,097.50
The Contract Sum will be increased by this Change Order in the amount of	\$ 56,888.54
The new Contract Sum including this Change Order will be	\$ 47,559,986.04

The Contract Time will be increased by Zero (0) days.
The new date of Substantial Completion will be no change

NOTE: This Change Order does not include adjustments to the Contract Sum or Guaranteed Maximum Price, or the Contract Time, that have been authorized by Construction Change Directive until the cost and time have been agreed upon by both the Owner and Contractor, in which case a Change Order is executed to supersede the Construction Change Directive.

NOT VALID UNTIL SIGNED BY THE ARCHITECT, CONTRACTOR AND OWNER.

Clark Nexsen, Inc. ARCHITECT <i>(Firm name)</i>	H&M Constructors CONTRACTOR <i>(Firm name)</i>	Watauga County OWNER <i>(Firm name)</i>
 SIGNATURE	 SIGNATURE	 SIGNATURE
Chad Roberson, AIA, LEED AP Principal	GREG BORDEN - VP	
PRINTED NAME AND TITLE	PRINTED NAME AND TITLE	PRINTED NAME AND TITLE
11/14/2023 DATE	11-30-23 DATE	DATE



Change Order Proposal

Project: Valle Crucis School

COR #: **1**

Date: **10/18/2023**

Description of Change: Changes requested by electrical engineer to pretreatment equipment

			Subtotals
H&M Material:			
1. Total Cost of Materials (Attach Backup)		0.00	
2. Sales Tax	6.75%	0.00	
3. Overhead & Profit	15%	0.00	0.00
H&M Labor:			
4. Total Man Hour Cost (Attach Backup)		0.00	
5. Labor Burden (Enter Percentage)	41%	0.00	
6. Overhead & Profit	15%	0.00	0.00
H&M Equipment Rental:			
7. Equipment / Equipment Rental (Attach Backup)		0.00	
8. Overhead & Profit	15%	0.00	0.00
H&M Unit Prices:			
9. Unit Price (If Applicable)		0.00	0.00
H&M Subcontractors:			
10. Subcontractor (Attach Subcontractor Backup)		24,406.33	
11. Overhead & Profit (On Subcontractors)	10%	2,440.63	26,846.96
		Grand Subtotal =	26,846.96
13. P&P Bonds (On Grand Subtotal)	2%	536.94	
		Total of Proposal =	27,383.90

Time Extension Request: **0** Days
 Schedule Activity # Affected: _____ Does this effect the critical path? **No**

This Contractor agrees to perform the work outlined in this change proposal for the amount specified above

Eric Jones / VP _____

Date: _____

Owner/Architect _____

Date: _____

IRON MOUNTAIN CONSTRUCTION CO.,INC.

Change Order Proposal

Project: Valle Crucis School

COR #: **7**

Date: **7/18/2023**

Decription of Change: Per requested changes by electrical engineer

				Subtotals
Material:				
1. Total Cost of Materials (Attach Backup)			<u>\$20,377.07</u>	
2. Sales Tax	6.75%		<u>\$1,375.45</u>	
3. Overhead & Profit	10%		<u>\$2,175.25</u>	\$23,927.77
Labor:				
4. Total Man Hour Cost (Attach Backup)			<u>\$0.00</u>	
5. Labor Burden (35% is Allowed)	35%		<u>\$0.00</u>	
6. Overhead & Profit	10%		<u>\$0.00</u>	\$0.00
Equipment Rental:				
7. Equipment / Equipment Rental (Attach Backup)			<u>\$0.00</u>	
8. Overhead & Profit	10%		<u>\$0.00</u>	\$0.00
Unit Prices:				
9. Unit Price (If Applicable)			<u>\$0.00</u>	\$0.00
Subcontractors:				
10. Subcontractor (Attach Subcontractor Backup)			<u>\$0.00</u>	
11. Overhead & Profit (On Subcontractors)	10%		<u>\$0.00</u>	\$0.00
			Grand Subtotal =	\$23,927.77
13. Bond If Required (On Grand Subtotal)	2%		<u>\$478.56</u>	
			Total of Proposal =	\$24,406.33

Time Extension Request: **0** Days
 Schedule Activity # Affected: **0** Does this effect the critical path? **No**

This Contractor agrees to perform the work outlined in this change proposal for the amount specified above

Subcontractor 

Date: 07/18/2023



AQWA, Inc.
 2604 Willis Ct.
 Wilson, NC 27896

Quote

ADDRESS Kimberly Hayworth Iron Mountain Construction Co., INC 601 Hospital Road Mountain City, TN 37683 USA	SHIP TO Kimberly Hayworth Iron Mountain Construction Co., INC Broadstone Road Valle Crucis, NC 28604	QUOTE # 230710-6 DATE 07/11/2023 EXPIRATION DATE 09/11/2023
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ITEM	QTY
Valle Crucis Elementary School Valle Crucis, NC Civil Design Concepts - Engineer All Concrete tanks provided by Shoaf Precast Cast iron covers and concrete risers provided by others Note Regarding Quote history: QTE220818-9 - Date 8/22/22, expired 10/22/22 QTE220818-9.1 -Sent 1/4/23, Expired 2/14/23 Pricing updated Change from calcite basin to below ground liquid chemical feed QTE230425-7 - 5/2/23, expiration date 7/1/23 Pricing updated Change from single phase 230v to three phase 208v pumps. Updated pumps in AX MAX unit and EQ tank as well as updated custom control panel specification. QTE230710-6 - 7/11/23, expiration date 9/11/23 Pricing updated Change from three phase 208v pumps to single phase 230v pumps Updated pumps in AX MAX unit and EQ tank as well as updated custom control panel specification Current Panel Spec #082622SK1.6 dtd 7/10/23 Current Drawing # DR4922 REV 6.4 dtd 7/26/23 S/T Equip Pkg QTY Description (3) RR2436 (24" dia x 36" L) (3) FLD24G-AQWA (fiberglass lid with gasket) (3) MA320 (2-part epoxy) (1) FTP1254-36 (septic effluent filter) (1) Filtrate Return (3) STFN-8QL (Safety Nets) 2-3 week lead time Pricing History 8/22/22 - \$3,337.62 1/4/23 - \$2,738.20 5/2/23 - \$2,738.20	1

ITEM	QTY
------	-----

7/11/23 - \$2738.20

LCF3060-BG

Liquid Chemical Feed w/ below ground mixer basin

1

6 to 8 week lead time

Pricing History

- 8/22/22 - \$2,552.93
- 1/4/23 - \$15,192.20 (change from calcite basin to LCF3060-BG)
- 5/2/23 - \$15,244.30
- 7/11/23 - \$15,244.30

Flow EQ Equip Package

QTY Description

- (2) RR2448 (24" dia x 48" L)
- (1) G11 for alkalinity feed penetration
- (2) FLD24G-AQWA (fiberglass lid with gasket)
- (1) PVU95-1819 (Biotube Pump Vault, 95" tall housing, 18" filter, 19" inlet holes)
- (2) SBEX-4 (4 hole splice box)
- (1) HDAD24125C-68.75 (1-1/4" duplex hanging discharge assembly w/ check valve, high pressure hose 68.75-in long)
- (1) MF4P-63FS-20 (4 Normally open, 24v mechanical float with 20' lead)
- (2) PF20053200-30 (20gpm, 3ph 208v, 1/2-hp Orenco pump with 30' lead)
- (2) STFN-8QL (safety nets for risers)
- (2) MA320 (two part epoxy)

1

2 to 3 week lead time on all but the PF20053200 pumps
 6 to 8 week lead time on PF20053200 pumps

Pricing History

- 8/23/22 - \$6,686.81
- 1/4/23 - \$7,018.14
- 5/2/23 - \$9,636.87
- 7/11/23 - \$7,413.11

AX MAX

Primary Unit 1 AX-Max42 -275 with antifoatation reinforcement per Custom# DR4922 includes 3 phase 208v pumps Valle Crucis Elementary School

1

6 to 8 week lead time

Pricing History

- 8/23/22- \$244,750
- 1/4/23 - \$249,500
- 5/2/23 - \$249,655.17
- 7/13/23 - \$247,058.82

TCOM

TeleComm Telemetry Control Panel per custom quote 082622SK1 TCOM-DAX/S/DTA/DAX208 3ph CS UPS DF DS XF LCFC Cell
 6 to 8 week lead time

1

Pricing History

- 8/23/22 - \$17,375.00
- 1/4/23 - \$20,833.33
- 5/2/23 with 3 phase pump and power adjustment - \$29,625.00
- 7/11/23 (single phase pump and power) - \$22,625.00

Tech Support

Tech support - includes 1 day for preconstruction meeting, 1 day for AX MAX arrival and setting, 1-2 day(s) for Panel Wiring Assistance and testing, 1 day for system startup with engineer and regulators

5

Terms

Payment Terms: 50% with purchase order, 40% with delivery, 10% due with system startup. Net 30 terms on all payment milestones.

1

Please contact us with any questions/concerns at (888) 552-2792 or info@aqwa.net.

SUBTOTAL
TAX

299,579.79
 20,694.14

SHIPPING
TOTAL

041624 BCC Meeting
11,500.00

\$331,773.93

Accepted By

Accepted Date



Change Order Proposal

Project: Valle Crucis School

COR #: **18**

Date: **7/12/2023**

Description of Change: addition of demising wall at corridor #240 at 2nd floor area C. Revision 10

			Subtotals
H&M Material:			
1. Total Cost of Materials (Attach Backup)		0.00	
2. Sales Tax	6.75%	0.00	
3. Overhead & Profit	15%	0.00	0.00
H&M Labor:			
4. Total Man Hour Cost (Attach Backup)		0.00	
5. Labor Burden (Enter Percentage)	41%	0.00	
6. Overhead & Profit	15%	0.00	0.00
H&M Equipment Rental:			
7. Equipment / Equipment Rental (Attach Backup)		0.00	
8. Overhead & Profit	15%	0.00	0.00
H&M Unit Prices:			
9. Unit Price (If Applicable)		0.00	0.00
H&M Subcontractors:			
10. Subcontractor (Attach Subcontractor Backup)		2,634.39	
11. Overhead & Profit (On Subcontractors)	10%	263.44	2,897.83
		Grand Subtotal =	2,897.83
13. P&P Bonds (On Grand Subtotal)	2%	57.96	
		Total of Proposal =	2,955.79

Time Extension Request: **0** Days
 Schedule Activity # Affected: _____ Does this effect the critical path? **No**

This Contractor agrees to perform the work outlined in this change proposal for the amount specified above

Eric Jones / VP _____ Date: _____

Owner/Architect _____ Date: _____

Divisions Contractors

Change Order Proposal

Project: Valle Crucis School

COR #: **CO-02**

Date: **6/7/2023**

Description of Change: Addition of Demising Wall at corridor #240 at 2nd floor area C Rev 10

Material:

1. Total Cost of Materials (Attach Backup)		\$835.69
2. Sales Tax	6.75%	\$56.41
3. Overhead & Profit	10%	\$89.21

Subtotals

\$981.31

Labor:

4. Total Man Hour Cost (Attach Backup)		\$988.00
5. Labor Burden (35% is Allowed)	35%	\$345.80
6. Overhead & Profit	10%	\$133.38

\$1,467.18

Equipment Rental:

7. Equipment / Equipment Rental (Attach Backup)		\$169.00
8. Overhead & Profit	10%	\$16.90

\$185.90

Unit Prices:

9. Unit Price (If Applicable)		\$0.00
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\$0.00

Subcontractors:

10. Subcontractor (Attach Subcontractor Backup)		\$0.00
11. Overhead & Profit (On Subcontractors)	10%	\$0.00

\$0.00

Grand Subtotal = \$2,634.39

13. Bond If Required (On Grand Subtotal)	0%	\$0.00
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Total of Proposal = \$2,634.39

Time Extension Request:

0 Days

Schedule Activity # Affected

0

Does this effect the critical path?

No

This Contractor agrees to perform the work outlined in this change proposal for the amount specified above

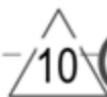
Subcontractor _____

Date: _____

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246

041624 BCC Meeting



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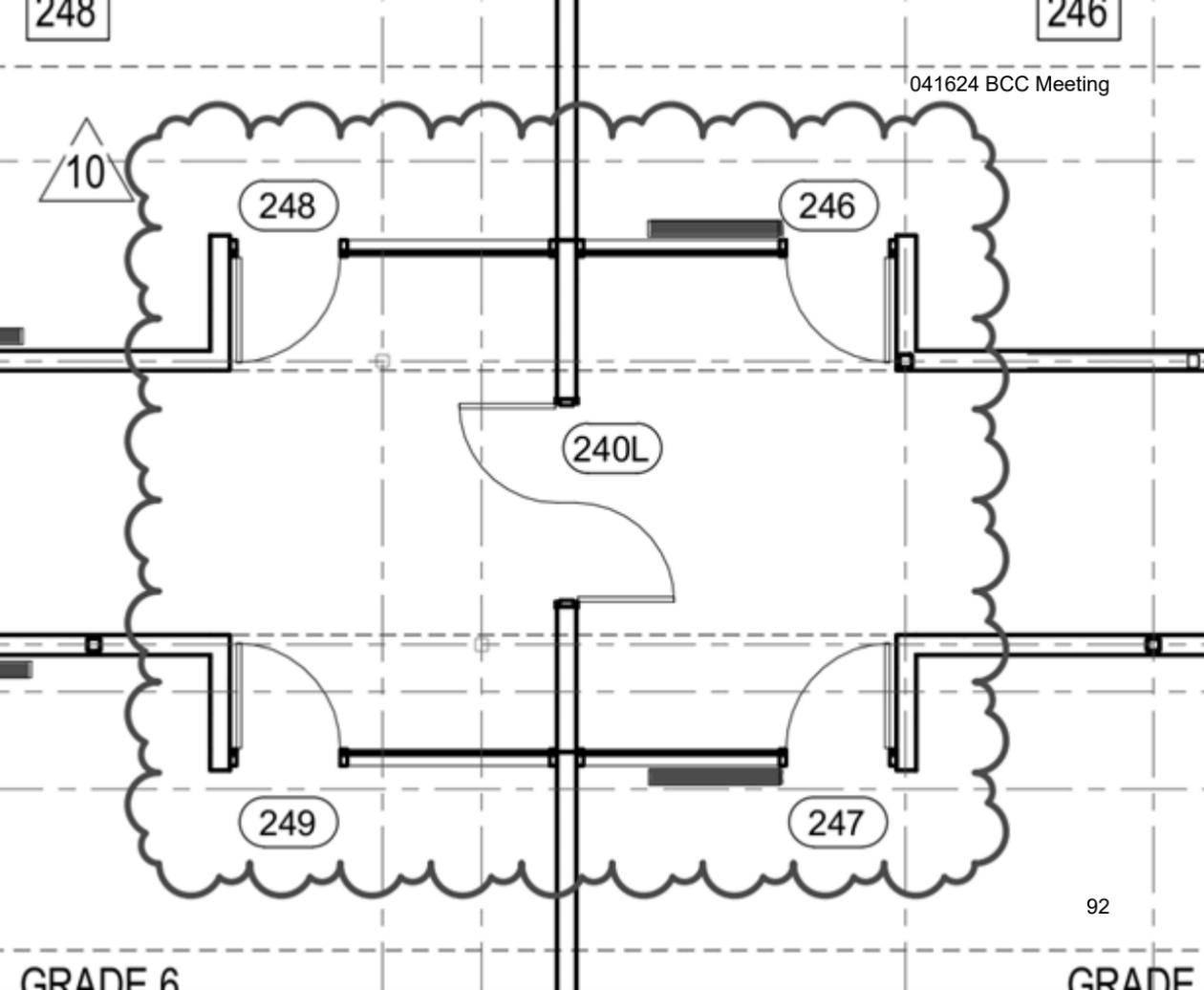
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247

92

GRADE 6

GRADE



Colonial Materials Inc		
Date: 04/20		
Project Name: Walk In Prices 2nd Quarter		
Location:		
Client: Divisions Contractors NC		
Description		
Please Update Price Increases		3rd 2023
Drywall		
5/8" EXP exterior sheathing	SF	\$1.250
1/2" EXP Exterior Sheathing	SF	\$1.145
5/8" EXP Exterior Sheathing	SF	\$1.250
1/4" Cement Board		\$1.200
1/2" Cement Board	SF	\$1.200
5/8" Cement Board	SF	\$1.400
5/8" exterior gyp bd (Soffit board)	SF	\$0.705
5/8" type X gypsum board for wall M/R	SF	\$0.675
1/2" type X gypsum board	SF	\$0.585
5/8" regular gypsum board for wall (Type X)	SF	\$0.570
5/8" regular gypsum board for wall (Type X) -- Paperless	SF	\$0.570
1" gypsum liner panel Reg XP Liner	SF	\$1.750
5/8" regular gypsum board for wall (Type X)	SF	\$0.570
5/8" SoundBreak GWB XP	SF	\$2.250
5/8" A/R gypsum board	SF	\$1.075
5/8" H/R gypsum board **High impact**	SF	\$1.225
5/8" lead lined gyp 1/16" thick ** 4x10 Lead to 7'	SF	\$11.250
FRP Panels 4x8 - Color White *** Standard Class C Pebble ****	Unit	\$1.955
FRP Panels 4x8 - Color Black*** Standard Class C Pebble ****	Unit	\$1.995
FRP Panels 4x8 - Color Red/Blue/Green/Etc	Unit	\$3.005
Others		
Corner Beads		\$0.330
Fire Caulking Sausages	Box	\$105.000
Fire Caulking Tubes	Box	\$145.000
Sound Caulking 29" Tubes	Box	\$105.000
FRP Glue		\$105.000
Joint Compound	Buckets	\$21.750
20 minutes durabond	Bags	\$15.000
45 minutes durabond	Bags	\$15.000
Tuff Hide (Level 5 Finish)	Buckets	\$22.500
Joint Paper Tape	Rolls	\$4.050
Mesh Tape	Rolls	\$10.250
Zinc Control Joints	Pcs	\$1.350
Tear Away bead 5/8"	Pcs	\$0.395
Drywall screws (Sharp point 1-1/4")	Box	\$95.000
Drywall screws (Self taping point 1-1/4")	Box	\$115.000
1-7/8" drywall screws self taping	Box	\$110.000
1-1/4" laminators	Box	\$105.000
1/2 wafer head screws self taping	Box	\$125.000
3/4" hex screws # 10	Box	\$122.000
3/4" hex screws # 12	Box	\$172.000
Concrete 3/4 pins ---- Track Fast	Pins	\$75.000
Concrete 1/2 pins Steel ---- Track Fast	Pins	\$135.000
Insulation		

R-11 unface fiber glass 16OC insulation	SF	\$0.405
R-13 unface fiber glass 16OC insulation	SF	\$0.575
R-11 unface fiber glass 16OC insulation ---foil scrim kraft	SF	\$0.575
R-19 unface fiber glass 16OC insulation	SF	\$0.595
R-19 unface fiber glass 16OC insulation ---foil scrim kraft	SF	\$0.745
R-21 unface fiber glass 16OC insulation	SF	\$1.205
R-30 unface fiber glass 16OC insulation	SF	\$1.085
R-38 unface fiber glass 16OC insulation	SF	\$1.305
2" Mineral Wool	SF	\$0.475
3" Mineral Wool	SF	\$0.805
4" Mineral Wool	SF	\$1.105
1-1/2" Rigid Insulation Scoreboard	SF	\$1.515
2" Rigid Insulation Scoreboard	SF	\$1.985
3" Rigid Insulation Scoreboard	SF	\$3.030
1-1/2" Rigid Insulation Poly	SF	\$1.995
2" Rigid Insulation Poly	SF	\$2.595
3" Rigid Insulation Poly	SF	\$3.775
CH 20-GA Drywall		
2-1/2" 20 GA CH metal studs	LF	\$1.600
2-1/2" 20 GA J-runner	LF	\$1.295
4" 20 GA CH Studs	LF	\$1.905
4" 20 GA J track/runner	LF	\$1.575
6" 20 GA CH Studs	LF	\$2.140
6" 20 GA J track/runner	LF	\$1.865
CH 33-GA Drywall		
2-1/2" 33 GA CH metal studs	LF	\$1.600
2-1/2" 33 GA J-runner	LF	\$1.295
4" 33 GA CH Studs	LF	\$1.905
4" 33 GA J track/runner	LF	\$1.575
6" 33 GA CH Studs	LF	\$2.140
6" 33 GA J track/runner	LF	\$1.865
20-GA Drywall		
1-1/2" X 1-1/2" 20-GA	LF	\$0.725
7/8" 20 GA Hat Channel	LF	\$0.705
1-5/8" 20 GA metal studs @ 16"OC	LF	\$0.465
1-5/8" 20 GA 1-1/4 leg Track	LF	\$0.460
1-5/8" 20 GA 2 leg Track	LF	\$0.600
2-1/2" 20 GA metal studs @ 16"OC	LF	\$0.585
2-1/2" 20 GA 1-1/4 leg Track	LF	\$0.580
2-1/2" 20 GA 2 leg Track	LF	\$0.745
3-5/8" 20 GA metal studs @ 16"OC-----	LF	\$0.725
3-5/8" 20 GA 1-1/4 leg Track	LF	\$0.720
3-5/8" 20 GA 2 leg Track-----SLOTTED	LF	\$1.805
4" 20 GA metal studs @ 16"OC	LF	\$0.775
4" 20 GA 1-1/4 leg Track	LF	\$0.770
4" 20 GA 2 leg Track-----SLOTTED	LF	\$1.920
6" 20 GA metal studs @ 16"OC	LF	\$1.015
6" 20 GA 1-1/4 leg Track	LF	\$1.100
6" 20 GA 2 leg Track-----SLOTTED	LF	\$2.295
8" 20 GA metal studs @ 16"OC-----	LF	\$2.385
8" 20 GA 1-1/4 leg Track	LF	\$2.105
8" 20 GA 2 leg Track-----SLOTTED	LF	\$2.905
33-GA Structural		
1-5/8" 33 GA CSJ metal studs @ 16"OC	LF	\$1.565

1-5/8" 33 GA CSJ 1-1/4 leg Track	LF	\$1.220
1-5/8" 33 GA CSJ 2 leg Track	LF	\$1.705
2-1/2" 33 GA CSJ metal studs @ 16"OC	LF	\$1.145
2-1/2" 33 GA CSJ 1-1/4 leg Track	LF	\$0.895
2-1/2" 33 GA CSJ 2 leg Track	LF	\$1.305
3-5/8" 33 GA CSJ metal studs @ 16"OC-----	LF	\$1.365
3-5/8" 33 GA CSJ 1-1/4 leg Track	LF	\$1.170
3-5/8" 33 GA CSJ 2 leg Track-----SLOTTED	LF	\$1.885
4" 33 GA CSJ metal studs @ 16"OC	LF	\$1.435
4" 33 GA CSJ 1-1/4 leg Track	LF	\$1.285
4" 33 GA CSJ 2 leg Track-----SLOTTED	LF	\$1.965
6" 33 GA CSJ metal studs @ 16"OC	LF	\$1.770
6" 33 GA CSJ 1-1/4 leg Track	LF	\$1.655
6" 33 GA CSJ 2 leg Track-----SLOTTED	LF	\$2.360
8" 33 GA CSJ metal studs @ 16"OC-----	LF	\$2.195
8" 33 GA CSJ 1-1/4 leg Track	LF	\$1.955
8" 33 GA CSJ 2 leg Track-----SLOTTED	LF	\$2.840
18-GA Metals		
2-1/2" 18GA metal studs @ 16"OC	LF	\$1.505
2-1/2" 18GA 1-1/4 leg Track	LF	\$1.195
2-1/2" 18GA 2" leg Track-----SLOTTED	LF	\$2.425
3-5/8" 18 CSJ metal studs @ 16"OC	LF	\$1.765
3-5/8" 18 CSJ t1-1/4 leg Track	LF	\$1.465
3-5/8" 18 CSJ 2 leg Track-----SLOTTED	LF	\$2.330
4" 18 CSJ metal studs @ 16"OC	LF	\$1.870
4" 18 CSJ t1-1/4 leg Track	LF	\$1.565
4" 18 CSJ 2 leg Track-----SLOTTED	LF	\$2.265
6" 18ga CSJ metal studs @ 16"OC-	LF	\$2.325
6" 18ga CSJ t1-1/4 leg Track-	LF	\$2.060
6" 18ga CSJ 2 leg Track -----slotted	LF	\$2.760
8" 18 GA metal studs @ 16"OC-----	LF	\$2.820
8" 18 GA 1-1/4 leg Track	LF	\$2.525
8" 18 GA 2 leg Track-----SLOTTED	LF	\$3.115
10" 18 GA metal studs @ 16"OC-----	LF	\$3.525
10" 18 GA 1-1/4 leg Track	LF	\$3.195
10" 18 GA 2 leg Track-----SLOTTED	LF	\$7.625
12" 18 GA metal studs @ 16"OC-----	LF	\$4.045
12" 18 GA 1-1/4 leg Track	LF	\$3.710
12" 18 GA 2 leg Track-----SLOTTED	LF	\$8.650
14" 18 GA metal studs @ 16"OC-----	LF	\$5.470
14" 18 GA 1-1/4 leg Track	LF	\$5.090
14" 18 GA 2 leg Track-----SLOTTED	LF	\$9.737
Z-channels 18ga 2"	LF	\$1.675
16-GA Metals		
1-1/2" X 1-1/2" metal angle 16ga	LF	\$1.005
2" X 2" metal angle 16ga	LF	\$1.305
3" X 3" metal angle 16ga	LF	\$1.995
1-1/2" X 1-1/2" metal angle 16ga	LF	\$0.965
2-1/2" 16GA metal studs @ 16"OC	LF	\$1.890
2-1/2" 16GA 1-1/4 leg Track	LF	\$1.505
2-1/2" 16GA 2" leg Track-----SLOTTED	LF	\$2.405
3-5/8" 16 CSJ metal studs @ 16"OC	LF	\$2.220
3-5/8" 16 CSJ t1-1/4 leg Track	LF	\$1.855
3-5/8" 16 CSJ 2 leg Track-----SLOTTED	LF	\$2.870
4" 16 CSJ metal studs @ 16"OC	LF	\$2.350

4" 16 CSJ t1-1/4 leg Track	LF	\$1.970
4" 16 CSJ 2 leg Track-----SLOTTED	LF	\$2.790
6" 16ga CSJ metal studs @ 16"OC-	LF	\$2.885
6" 16ga CSJ t1-1/4 leg Track-	LF	\$2.560
6" 16ga CSJ 2 leg Track -----slotted	LF	\$3.190
8" 16 GA metal studs @ 16"OC-----	LF	\$3.545
8" 16 GA 1-1/4 leg Track	LF	\$3.205
8" 16 GA 2 leg Track-----SLOTTED	LF	\$3.875
14-GA Metals		
6" 14ga CSJ metal studs @ 16"OC-	LF	\$3.320
6" 14ga CSJ t1-1/4 leg Track-	LF	\$2.885
6" 14ga CSJ 2 leg Track -----slotted	LF	\$4.590
8" 14 GA metal studs @ 16"OC-----	LF	\$4.015
8" 14 GA 1-1/4 leg Track	LF	\$3.585
8" 14 GA 2 leg Track-----SLOTTED	LF	\$5.445
Lumber		
2X4 pressure treated wood 12'-Long	SF	\$0.850
2X6 pressure treated wood 12'-Long	SF	\$1.540
2X8 pressure treated wood 12'-Long	SF	\$1.750
2X10 pressure treated wood 12'-Long	SF	\$3.130
2X12 pressure treated wood 12'-Long	SF	\$4.280
4x8 3/4" pressure treated plywood	SF	\$1.960
4x8 5/8" pressure treated plywood	SF	\$1.843
2X4 Fire rated	LF	\$0.910
2X6 Fire rated	LF	\$1.570
2X8 Fire rated	LF	\$1.950
2X10 Fire rated	LF	\$3.040
2X12 Fire rated	LF	\$4.875
4x8 5/8 fire rated plywood	SF	\$1.950
4x8 3/4 fire rated plywood	SF	\$2.120



Change Order Proposal

Project: Valle Crucis School

COR #: **19**

Date: **7/10/2023**

Description of Change: Install 36" x 4' chambers in lieu of 4" Sch40 Perforated Pipe in Nitration Trench for Drainfield

H&M Material:			Subtotals
1. Total Cost of Materials (Attach Backup)		0.00	
2. Sales Tax	6.75%	0.00	
3. Overhead & Profit	15%	0.00	0.00
H&M Labor:			
4. Total Man Hour Cost (Attach Backup)		0.00	
5. Labor Burden (Enter Percentage)	41%	0.00	
6. Overhead & Profit	15%	0.00	0.00
H&M Equipment Rental:			
7. Equipment / Equipment Rental (Attach Backup)		0.00	
8. Overhead & Profit	15%	0.00	0.00
H&M Unit Prices:			
9. Unit Price (If Applicable)		0.00	0.00
H&M Subcontractors:			
10. Subcontractor (Attach Subcontractor Backup)		(27,148.66)	
11. Overhead & Profit (On Subcontractors)	10%	(2,714.87)	(29,863.53)
		Grand Subtotal =	(29,863.53)
13. P&P Bonds (On Grand Subtotal)	2%	(597.27)	
		Total of Proposal =	(30,460.80)

Time Extension Request: **0** Days
 Schedule Activity # Affected: _____ Does this effect the critical path? **No**

This Contractor agrees to perform the work outlined in this change proposal for the amount specified above

Eric Jones / VP _____

Date: _____

Owner/Architect _____

Date: _____

IRON MOUNTAIN CONSTRUCTION CO.,INC.

Change Order Proposal

Project: Valle Crucis School

COR #: 6

Description of Change: Install 36" x 4' Chambers in lieu of 4" Sch40 Perforated Pipe in Nitration Trench for Drainfield

			Subtotals
Material:			
1. Total Cost of Materials (Attach Backup)		-\$23,120.00	
2. Sales Tax	6.75%	-\$1,560.60	
3. Overhead & Profit	10%	-\$2,468.06	-\$27,148.66
Labor:			
4. Total Man Hour Cost (Attach Backup)		\$0.00	
5. Labor Burden (35% is Allowed)	35%	\$0.00	
6. Overhead & Profit	10%	\$0.00	\$0.00
Equipment Rental:			
7. Equipment / Equipment Rental (Attach Backup)		\$0.00	
8. Overhead & Profit	10%	\$0.00	\$0.00
Unit Prices:			
9. Unit Price (If Applicable)		\$0.00	\$0.00
Subcontractors:			
10. Subcontractor (Attach Subcontractor Backup)		\$0.00	
11. Overhead & Profit (On Subcontractors)	10%	\$0.00	\$0.00
Grand Subtotal =			-\$27,148.66
13. Bond If Required (On Grand Subtotal)	2%	-\$542.97	
Total of Proposal =			-\$27,691.63

Time Extension Request: 0 Days
 Schedule Activity # Affected: 0 Does this effect the critical path? No

This Contractor agrees to perform the work outlined in this change proposal for the amount specified above

Subcontractor *Jim Hayworth* Date: 6-20-23



Bid Proposal for VALLE CRUCIS SCHOOL "CTO"

Bid #: 2498449

Seq#	Qty	Description	Units	Price	Ext Price
890	2	#5941 PLUGS & CHAINS F/4X2-1/2 X 2-1/2 #5731 SIAMESE CONN.	EA	39.00	78.00
900	6	3/4X4-1/2 90 OFFSET EYEBOLT	EA	3.38	20.28
910	12	3/4 ZINC PLATED HEAVY HEX NUT	EA	0.75	9.00
920	12	3/4 PLAIN FLAT STEEL WASHER	EA	0.45	5.40
930	40	3/4X10' ZINC ALL THRD ROD	FT	3.63	145.20
950	7500	3 PVC SCH40 PIPE SWB 20'	FT	4.71	35,325.00
960	4000	4 SCH40 PVC PIPE PERF SWB	FT	9.35	37,400.00
970	19	ZOELLER SPLITTER BOXES	EA	160.75	3,054.25
980	1	4 PVC SCH40 DWV WYE HXH	EA	19.79	19.79
990	1	4 PVC SCH40 DWV 45 HXSP	EA	10.78	10.78
1000	1	4 SCH40 DWV FEMALE ADPT HXF A2	EA	9.85	9.85
1010	1	4 PVC SWR CLEANOUT PLUG MIPT	EA	3.68	3.68
1030	1	3 PVC SCH40 DWV WYE HXH	EA	57.08	57.08
1040	1	3 PVC SCH40 DWV 45 HXH	EA	5.98	5.98
1050	1	3 PVC SCH40 DWV FEM ADPT HXF	EA	6.26	6.26
1060	1	3 PVC SWR CLEANOUT PLUG MIPT	EA	3.58	3.58
1070		ABOVE CLEANOUTS PRICE PER APPLICATION			
1080					
1100		BAY FILTER SYSTEMS			
1110	1	BAYSAVER SYSTEM "A"	EA	70,984.23	70,984.23
1120		1 - BAYFILTER BF-8-12-8			
1130		INCLUDES THE FOLLOWING			
1140		8 - BAYFILTER.522			
1150		1 - 3" FILTER MANIFOLD			
1160		1-BAYSAVER WQU 8X12 VAULT			
1170		3 - ALUMINUM HOLD DOWN BAR			
1180		1 - BAYSAVER.BAYFILTER TROLLEY			
1190		2-VERT.DRAINDOWN MOD.W/PERLITE			
1200		1-VERT.DRAINDOWN MOD BOX			
1210		FREIGHT DIRECT			
1230	1	BAYSAVER SYSTEM "B"	EA	29,147.94	29,147.94
1240		1 - BAYFILTER BF-96-1			
1250		INCLUDES THE FOLLOWING			
1260		1 - BAYFILTER.522			
1270		1 - 3" FILTER MANIFOLD			
1280		1-BAYSAVER MANIFOLD 22.5 GPM 1			
1290		BAYSAVER WQU 96" MANHOLE			
1300		1 - ALUMINUM HOLD DOWN BAR			
1310		2-VERT.DRAINDOWN MOD.W/PERLITE			
1320		1-VERT.DRAINDOWN MOD BOX			
1330		FREIGHT DIRECT			
1340		WELL HOUSE MISC			
1350	20	4 TJ PR350 DI PIPE	FT	36.03	720.60
1360	20	6 TJ CL50 PR350 DI PIPE	FT	24.63	492.60
1370	1	4 MJ 90 C153 IMP	EA	81.36	81.36
1380	1	6 MJ 90 C153 IMP	EA	133.14	133.14
1390	1	4 FLGXPE DI PIPE 6' IMP	EA	533.58	533.58

36" x 4' Chambers Quote

Kimberly Hayworth

From: Miller's Supply <millersupplyinc@gmail.com>
Sent: Tuesday, June 20, 2023 11:03 AM
To: Kimberly Hayworth
Subject: Re: 36" chambers lead time

Hey! We may have enough at the store, we usually try to keep stocked up. If we do not, the lead time is around 2 weeks tops. If you let me know ahead, I can make sure we have them.

Since you are getting that much, we could do the chambers for 29.00, and the end caps for 16.00. Let me know if you have any questions. Thanks!

On Tue, Jun 20, 2023 at 9:06 AM Kimberly Hayworth <kimhayworth@ironmtnc.com> wrote:

Could you also quote those? Thanks!

Best regards,

Kim Hayworth

Project Administrator

IRON MOUNTAIN CONSTRUCTION CO.,INC.

601 Hospital Road

Mountain City, TN 37683

(423)727-4483 Office

(423)727-4200 Fax

Safety & Quality 1st since 1989

From: Kimberly Hayworth
Sent: Tuesday, June 20, 2023 8:56 AM
To: Miller's Supply <millersupplyinc@gmail.com>
Subject: 36" chambers lead time

Good morning



Change Order Proposal

Project: Valle Crucis School

COR #: **21**

Date: **6/26/2023**

Description of Change: Changes to plumbing due to Revision 11

			Subtotals
H&M Material:			
1. Total Cost of Materials (Attach Backup)		0.00	
2. Sales Tax	6.75%	0.00	
3. Overhead & Profit	15%	0.00	0.00
H&M Labor:			
4. Total Man Hour Cost (Attach Backup)		0.00	
5. Labor Burden (Enter Percentage)	41%	0.00	
6. Overhead & Profit	15%	0.00	0.00
H&M Equipment Rental:			
7. Equipment / Equipment Rental (Attach Backup)		0.00	
8. Overhead & Profit	15%	0.00	0.00
H&M Unit Prices:			
9. Unit Price (If Applicable)		0.00	0.00
H&M Subcontractors:			
10. Subcontractor (Attach Subcontractor Backup)		8,637.59	
11. Overhead & Profit (On Subcontractors)	10%	863.76	9,501.35
		Grand Subtotal =	9,501.35
13. P&P Bonds (On Grand Subtotal)	2%	190.03	
		Total of Proposal =	9,691.38

Time Extension Request: **0** Days
 Schedule Activity # Affected: _____ Does this effect the critical path? **No**

This Contractor agrees to perform the work outlined in this change proposal for the amount specified above

Eric Jones / VP _____

Date: _____

Owner/Architect _____

Date: _____

Subcontractor Name

Change Order Proposal

Project: Valle Crucis School

COR #

Date

REVISION #11 PLUMBING

Material:

1 Total Cost of Materials (Attach Backup)		<u>\$2,456.80</u>
2 Sales Tax	7.00%	<u>\$171.98</u>
3 Overhead & Profit	10%	<u>\$262.88</u>

Subtotals
\$2,891.65

Labor

4 Total Man Hour Cost (Attach Backup)		<u>\$3,188.58</u>
5 Labor Burden (35% is Allowed)	35%	<u>\$1,116.00</u>
6 Overhead & Profit	10%	<u>\$430.46</u>

\$4,735.04

Equipment Rental

7 Equipment / Equipment Rental (Attach Backup)		<u>\$0.00</u>
8 Overhead & Profit	10%	<u>\$0.00</u>

\$0.00

Unit Prices

9 Unit Price (If Applicable)		<u>\$0.00</u>
------------------------------	--	---------------

\$0.00

Subcontractors

10 Subcontractor (Attach Subcontractor Backup)		<u>\$919.00</u>
11 Overhead & Profit (On Subcontractors)	10%	<u>\$91.90</u>

\$919.00
\$1,010.90

Grand Subtotal = \$8,637.59

13 Bond If Required (On Grand Subtotal)	0%	<u>\$0.00</u>
---	----	---------------

Total of Proposal = \$8,637.59

\$8638.00

Time Extension Request

Days

Schedule Activity # Affected

Does this effect the critical path?

This Contractor agrees to perform the work outlined in this change proposal for the amount specified above

Subcontractor _____

Date _____



KIRBY- CUNDIFF INSULATION *Established 1986*

PO Box 19345 Roanoke VA 24019
263 Industrial Drive Hollins VA 24019

Cont. Lic. No 2701-029433A
KVI SWAM # 656 816

ph (540) 992-3960
fax (540) 992-4796

Date: 6/23/23

To Bolton

Reference. Valle Crucis School

Attn Jeannie Hargis

We propose to provide insulation per plans and specifications for the sum of \$73 591 00

Furnishing labor and material needed to insulate Plumbing System as shown on drawings (dated 8/8/22) prepared by Clark Nexsen Engineers as follows.

Domestic Cold Water Pipe – 1 thick Fiberglass ASJ
Hot/Return Water Pipe 1 thick Fiberglass ASJ up to 1 ½" pipe, 1 ½" thick Fiberglass ASJ on larger pipe
Roof/Overflow Drain Pipe (Horizontal & Vertical) – 1 thick Fiberglass ASJ
*Aluminum Jacket on Exposed Pipe up to 6' AFF
5W 120V Heat Tape and thermostats on piping noted on PP101

Add for Revision 11

\$919 00

Heat tape quote is for the provision of heat tape and thermostat as well as the installation of heat tape only. This quote does not include the provision of a control panel. We do not include electrical connections, final power connections, commission testing or any electrical conduit needed shall be provided by an electrician. The electrician who provides this work should assume responsibility for the system operating safely and correctly.

We do not include painting, marking, duct liner, heat tape, removing existing insulation, or fire stop.

All surfaces that require insulation must be free of debris including fire proofing. Penetrations must be sized to allow for insulation where required. We do not make allowance for wage scale. We do not make allowance for use of grooved couplings.

Thank you for allowing us to submit this proposal. Please let us know if we can do this work for you.

Very truly

Daniel Hargis
Estimator / Project Manager
dhargis@kcfsv.com



Insulation • Firestopping • Heat Tracing • Abatement & Demolition • Concrete Sawing & Coring
Scaffolding • Safety Supply • Duct Cleaning



169 Elk Mountain Rd
Asheville NC 28804

PO Box 8609
Asheville NC 28814

(828) 253-3621

BoltonServiceWNC.com

June 26, 2023

H&M Contractors
PO Box 16589
Asheville NC 28816

Attention: Eric Jones

**Reference . Valle Crucis School
Plumbing Change REVISION #11**

Dear Eric

The following change order is for the additional materials, labor, equipment and tools required to revise the plumbing per Revision #11

Scope

- Sheet P-602 EWH Schedule is clouded Changed to Original Fixture N/C
- P707 Storm Riser Area C – No charge for this N/C
- PF101 Drain Waste & Vent Area A - Clouded Location moved approx 5 ft N/C
- PL103 Level1 Area C (RD & OFD -no significate change) N/C
- PP104 2nd Floor Area A Added Domestic Water Vertical Risers & Insulation \$3,815 00
- PL101 & PP101 Level 1 Water w/Insulation and Waste/Vent & New Lav \$4,823 00

\$8,638 00

(see attachments)

If you have any questions, please do not hesitate to contact our office

Sincerely,

Jeannie Hargis
Project Manager

Bolton Construction and Service of WNC, Inc.



Project Size: 0 sqft

Se

Rev #11 PP104 Meeting

Duration: 0 Mnths

Bolton Construction and Service of WNC, Inc

ItemCode	Description	Quantity	Trade Code	UM	Mat.Unit	Mat.Total	Eqp.Total
Job costs Blank							
15144.033	COPPER PIPE			****			
15144.058	TYPE L HARD		PLBG	****			
15144.063	PIPE 3/4	10.00	PLBG	LNFT	4.680	46.80	
15144.064	PIPE 1	10.00	PLBG	LNFT	6.783	67.83	
15144.068	PIPE 2 1/2"	10.00	PLBG	LNFT	27.489	274.89	
15144.144	COPPER FITTINGS			****			
15144.145	95/5 SOLDER			****			
15144.150	45 ELL,3/4"	2.00	PLBG	EACH	3.579	7.16	
15144.151	45 ELL,1"	2.00	PLBG	EACH	9.011	18.02	
15144.155	45 ELL,2-1/2"	2.00	PLBG	EACH	52.215	104.43	
15144.173	90 ELL,3/4 short radius	6.00	PLBG	EACH	1.897	11.38	
15144.174	90 ELL,1 short radius	6.00	PLBG	EACH	4.614	27.68	
15144.178	90 ELL,2-1/2' short radius	6.00	PLBG	EACH	35.356	212.13	
15144.280	COUPLING,3/4"	0.48	PLBG	EACH	1.237	0.59	
15144.281	COUPLING 1"	0.48	PLBG	EACH	2.531	1.21	
15144.285	COUPLING,2-1/2"	0.48	PLBG	EACH	22.496	10.71	
* Total Job costs Blank						782.84	
15050 Basic mechanical materials and methods							
15060.350	PIPE HANGERS COPPER PLATED		PLBG	****			
15060.425	HANGERS, PVC COATED		PLBG	****			
15060.497	RISER CLAMP 3/4	0.83	PLBG	EACH	4.480	3.73	
15060.498	RISER CLAMP 1	0.83	PLBG	EACH	5.030	4.19	
15060.502	RISER CLAMP,2-1/2'	0.83	PLBG	EACH	9.690	8.08	
15060.775	INSULATION SHIELD 4	4.00	PLBG	EACH	1.000	4.00	
15060.777	INSULATION SHIELD,6'	0.83	PLBG	EACH	1.880	1.57	
15075.100	PIPE DATA			****			
15075.115	HYDROSTATIC TEST	30.00	PLBG	LNFT			
15075.120	PIPE VOLUME	3.88	PLBG	GALS			
15075.121	Lead Free SOLDER	0.83	PLBG	LBS	25.000	20.75	
15075.126	ABRASIVE CLOTH	0.03	PLBG	ROLL	14.000	0.46	
15075.129	PRESTOLITE CYLINDER,#2	0.17	PLBG	EACH	18.000	2.98	
15075.131	FLUX	1.66	PLBG	OZS	2.000	3.31	
* Total 15050 Basic mechanical materials and						49.07	
15070 Job costs 15070							
15080.000	FIBERGLASS INSULATION		INSL	****			
15080.363	ASJ 1 1/2' THICK		INSL	****			
15080.365	PIPE 3/4		INSL	LNFT			
15080.366	PIPE 1"		INSL	LNFT			
15080.370	PIPE,2-1/2'		INSL	LNFT			
15080.395	FITTINGS,3/4		INSL	EACH			
15080.396	FITTINGS 1		INSL	EACH			
15080.400	FITTINGS,2 1/2'		INSL	EACH			
* Total 15070 Job costs 15070							
Total Direct Cost						831.91	

M:\mc2\net\estfiles\Asheville\Jeannie Hargis\PLBG VALLE CRUCIS REV 11 page PP104.est



Project Size: 0 sqft

Bolton Construction and Service of WNC, Inc

Sheet P101 Revision #11

ItemCode	Description	Quantity	Trade	Mat.Unit	Mat.Total	Eqp.Total
15050 000 Basic mechanical materials and methods						
15060 010	PIPE HANGERS GALVANIZED STEEL		PLBG			
15060 011	W/3' Plated ROD & C-CLAMP		PLBG			
15060 017	CLEVIS 2"	4.00	PLBG	1.500	6.00	
15060.020	CLEVIS,3-1/2'	4.00	PLBG	3.000	12.00	
15060 142	RISER CLAMP 2'	0.83	PLBG	2.460	2.05	
15060.360	PIPE HANGERS COPPER PLATED		PLBG			
15060 425	HANGERS PVC COATED		PLBG			
15060.496	RISER CLAMP,1/2'	1.67	PLBG	4.640	7.73	
15060 774	INSULATION SHIELD 3-1/2"	8.00	PLBG	1.000	8.00	
15062.112	ATR,PLATED 3/8"	12.00		0.370	4.44	
15062.113	ATR PLATED 1/2'	12.00		0.750	9.00	
15062 302	BLK. TOP BEAM CLAMP 3/8"	4.00		1.750	7.00	
15062 303	BLK. TOP BEAM CLAMP 1/2'	4.00		2.320	9.28	
15062.412	PLATED STEEL NUT 3/8"	12.00		0.050	0.60	
15062 413	PLATED STEEL NUT 1/2"	12.00		0.090	1.08	
15062.512	PLATED STEEL WASHER, 3/8"	8.00		0.020	0.16	
15062 513	PLATED STEEL WASHER 1/2'	8.00		0.050	0.40	
15075 100	PIPE DATA					
15075 115	HYDROSTATIC TEST	40.00	PLBG			
15075.120	PIPE VOLUME	6.02	PLBG			
15075.121	Lead Free SOLDER	0.09	PLBG	25.000	2.36	
15075.125	PVC SOLVENT	0.40	PLBG	4.500	1.79	
15075 126	ABRASIVE CLOTH		PLBG	14.000	0.05	
15075 129	PRESTOLITE CYLINDER,#2	0.02	PLBG	18.000	0.34	
15075.131	FLUX	0.19	PLBG	2.000	0.38	
15080 000	FIBERGLASS INSULATION		INSL			
15080 363	ASJ 1 1/2" THICK		INSL			
15080 364	PIPE,1/2"		INSL			
15080 394	FITTINGS 1/2"		INSL			
15080.396	FITTINGS,1		INSL			
15080 397	FITTINGS,1 1/4		INSL			
15080 454	VALVES 1/2"		INSL			
* Total 15050 000 Basic mechanical materials					72.66	
15100 000 Building services pipe						
15110 100	BRONZE VALVES					
15110.203	BALL, SWEAT Full Port, 2 Piece					
15110 205	600 psi Lead Free 1/2' Nibco S585-80-	2.00	PLBG	16.500	33.00	
15144.033	COPPER PIPE					
15144.058	TYPE L - HARD		PLBG			
15144 061	PIPE,1/2"	40.00	PLBG	2.962	118.49	
15144 144	COPPER FITTINGS					
15144.145	95/5 SOLDER					
15144.171	90 DEG COPPER ELBOW SR 1/2'	4.00	PLBG	0.862	3.45	
15144.224	RED TEE 1"	1.00	PLBG	15.466	15.47	
15144.225	RED TEE 1-1/4	1.00	PLBG	25.233	25.23	
15144.278	COUPLING 1/2"	1.90	PLBG	0.656	1.25	

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Project Size: 0 sqft

Bolton Construction and Service of WNC, Inc

Sheet #101 Revision #11

ItemCode	Description	Quantity	Trade Code	UM	Mat.Unit	Mat.Total	Egp.Total	S
15145.485	PVC PIPE			****				
15146.154	SCH 40 PVC-DWV SOL CEMENT			****				
15146.157	PIPE,2'	30.00	PLBG	LNFT	1.750	52.50		
15146.186	SCH 40 DWV FITTINGS			****				
15146.189	1/8 BEND 2'	2.00	PLBG	EACH	2.364	4.73		
15146.204	1/4 BEND,2"	3.00	PLBG	EACH	2.638	7.91		
15146.219	SINGLE SAN TEE,2'	1.00	PLBG	EACH	4.487	4.49		
15146.281	SINGLE WYE & 1/8 4	1.00	PLBG	EACH	38.814	38.81		
15146.309	COUPLING 2"	1.43	PLBG	EACH	1.086	1.55		
* Total 15100.000 Building services pipe						306.88		
15400 000 Plumbing fixtures and equipment								
15410.068	LAV 1 WALL HUNG LAVATORY	1.00	PLBG	EACH	1,017.950	1,017.95		
15410.069	LAVATORY CARRIER CI	1.00	PLBG	EACH	227.390	227.39		
* Total 15400.000 Plumbing fixtures and equip						1,245.34		
Total Direct Cost						1,624.88		

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Change Order Proposal

Project: Valle Crucis School

COR #: **26**

Date: **7/11/2023**

Description of Change: Add Door 103K to the storefront per direction on RFI 078.

			Subtotals
H&M Material:			
1. Total Cost of Materials (Attach Backup)		0.00	
2. Sales Tax	6.75%	0.00	
3. Overhead & Profit	15%	0.00	0.00
H&M Labor:			
4. Total Man Hour Cost (Attach Backup)		0.00	
5. Labor Burden (Enter Percentage)	41%	0.00	
6. Overhead & Profit	15%	0.00	0.00
H&M Equipment Rental:			
7. Equipment / Equipment Rental (Attach Backup)		0.00	
8. Overhead & Profit	15%	0.00	0.00
H&M Unit Prices:			
9. Unit Price (If Applicable)		0.00	0.00
H&M Subcontractors:			
10. Subcontractor (Attach Subcontractor Backup)		4,331.03	
11. Overhead & Profit (On Subcontractors)	10%	433.10	4,764.13
		Grand Subtotal =	4,764.13
13. P&P Bonds (On Grand Subtotal)	2%	95.28	
		Total of Proposal =	4,859.42

Time Extension Request: **0** Days
 Schedule Activity # Affected: _____ Does this effect the critical path? **No**

This Contractor agrees to perform the work outlined in this change proposal for the amount specified above

Eric Jones / VP _____

Date: _____

Owner/Architect _____

Date: _____

Subcontractor Name

Change Order Proposal

Project: Valle Crucis School

COR #: **1**

Date: **7/11/2023**

Description of Change: Add door 103K

Material:							
1. Total Cost of Materials (Attach Backup)				<u>\$2,794.00</u>			\$2,794.00
2. Sales Tax		6.75%		<u>\$188.60</u>			\$188.60
3. Overhead & Profit		10%		<u>\$298.26</u>			\$3,280.85
Labor:							
4. Total Man Hour Cost (Attach Backup)				<u>\$650.00</u>			\$650.00
5. Labor Burden (35% is Allowed)		35%		<u>\$227.50</u>			\$227.50
6. Overhead & Profit		10%		<u>\$87.75</u>			\$965.25
Equipment Rental:							
7. Equipment / Equipment Rental (Attach Backup)				<u>\$0.00</u>			\$0.00
8. Overhead & Profit		10%		<u>\$0.00</u>			\$0.00
Unit Prices:							
9. Unit Price (If Applicable)				<u>\$0.00</u>			\$0.00
Subcontractors:							
10. Subcontractor (Attach Subcontractor Backup)				<u>\$0.00</u>			\$0.00
11. Overhead & Profit (On Subcontractors)		10%		<u>\$0.00</u>			\$0.00
				Grand Subtotal =			\$4,246.10
13. Bond If Required (On Grand Subtotal)		2%		<u>\$84.92</u>			\$84.92
				Total of Proposal =			\$4,331.03

Time Extension Request: **0** Days
 Schedule Activity # Affected: **0** Does this effect the critical path? **No**

This Contractor agrees to perform the work outlined in this change proposal for the amount specified above

Subcontractor _____

Date: _____

Subcontractor Name

Change Order Proposal

Project: Valle Crucis School

COR #: **1**

Date: **7/11/2023**

Description of Change: Add door 103K

			Subtotals
Material:			
1. Total Cost of Materials (Attach Backup)		<u>\$2,794.00</u>	
2. Sales Tax	6.75%	<u>\$188.60</u>	
3. Overhead & Profit	10%	<u>\$298.26</u>	\$3,280.85
Labor:			
4. Total Man Hour Cost (Attach Backup)		<u>\$650.00</u>	
5. Labor Burden (35% is Allowed)	35%	<u>\$227.50</u>	
6. Overhead & Profit	10%	<u>\$87.75</u>	\$965.25
Equipment Rental:			
7. Equipment / Equipment Rental (Attach Backup)		<u>\$0.00</u>	
8. Overhead & Profit	10%	<u>\$0.00</u>	\$0.00
Unit Prices:			
9. Unit Price (If Applicable)		<u>\$0.00</u>	\$0.00
Subcontractors:			
10. Subcontractor (Attach Subcontractor Backup)		<u>\$0.00</u>	
11. Overhead & Profit (On Subcontractors)	10%	<u>\$0.00</u>	\$0.00
Grand Subtotal =			\$4,246.10
13. Bond If Required (On Grand Subtotal)	2%	<u>\$84.92</u>	
Total of Proposal =			\$4,331.03

Time Extension Request: **0** Days
 Schedule Activity # Affected: **0** Does this effect the critical path? **No**

This Contractor agrees to perform the work outlined in this change proposal for the amount specified above

Subcontractor _____ Date: _____



Quote Number: WCJ 22-081001

Date: June 28, 2023

Project Name: *Valle Crucis School*

Project Location: *Valle Crucis, NC*

Customer: *A-1 Glass & Aluminum*

Attention: Matt

Attached is the quotation that you have requested from EFCO regarding the project listed above. The quotation is based on the following information:

Take-off dated: August 24, 2022

Please note that by accepting this quote, you have read and accept EFCO's Terms and Conditions that are attached at the end of this document.

Thank you for your interest in EFCO. As a leading manufacturer of architectural windows, curtain wall, storefront, and entrance systems for commercial architectural applications, you can count on EFCO to provide the best fenestration solutions and quality service for your projects.

Sincerely,

JW Scott III

Estimator
WCJ Sales

Base Bid: \$980,098.00

**Shop Drawings Included
Engineered Calculations Included
Box Truck FRT Included
No Strap Anchors/Covers Included**

ALTERNATES / ADDS / DEDUCTS
(adds/deducts are not allowed as stand alone pricing)

Amount	Description	Reference Bid
\$1,650.00	Add for NFRC Certification	Add to Base
\$5,761.00	Add to Master Bundle Stock Lengths	Add to Base
\$4,002.00	Add for Stand-Alone Mockup of Mk "A.11" (Final Expedite Pricing may Vary Slightly)	Add to Base
-\$1,717.00	Deduct for VE Options at Mk's "B.N, B.P, C.B, C.C, C.G"	Deduct from Base
\$6,550.00	Add for Alternate #1 - 2000 Sliding Glass Door - OXXO	Add to Base
	- Door is glazed per schedule with 1" IG, 1/4" Clear Temp SB 70XL #2, 7/16" AS, 5/16" Clear Temp. Pull handle w/ thumbturn & rollers. Subframe at sill.	
\$2,082.00	Add for 1" IG, 1/4" Clear Temp SB 70XL #2, 5/16" AS, 7/16" Clear HS 0.060 PVB	Add to Alternate #1
\$1,908.00	Add for 1" IG, 1/4" Clear Temp SB 70XL #2, 7/16" AS, 5/16" Clear HS 0.060 PVB	Add to Alternate #1
\$2,502.00	Add per RFI #078	Add to Base

SHOP DRAWING / ENGINEERING NOTES

For all WCJ Engineering/Drafting packages:

WCJ's Shop Drawing price is based on the elevations as shown on the customer supplied take-off. WCJ reserves the right to adjust the Shop Drawing and/or Engineering cost if the elevation sizes, quantities or configurations do not match what is shown on the customer supplied take-off.

INCLUSIONS

DOORS

Door Series	Quantity		Door Glazing			Hardware			
	Single	Pair	Supplied by	Ins.	Make-up:	Supplied by	Prep only for	Buyout Hardware (details)	
D200	57		Open	1/4"		Customer	Customer hdwr.	No	
D500	32	9	Open	1"		Customer	Customer hdwr.	No	

****Additional notes pertaining to section 'Doors'**

Interior doors have 10" bottom rails.
Exterior doors have 5 29/32" wide stiles, 6 1/2" top rails, & 10" bottom rails.
Prepped only per hardware schedules.

DOOR FRAMING TYPE

Series	Additional Notes/Comments	
402	Fabricated	84 sq.ft.
433	Fabricated	
CW Adapters	Fabricated	

FRAMING SYSTEM

Series	Additional Notes/Comments	
433	Stock Length	Outside Set/Outside Glazed 5,111 sq.ft.
5600	Stock Length	2" x 7" 18,708 sq.ft.

Performance Criteria:	Design Pressure: 29 psf	Snow Load: N/A	Deflection: L/175 < 162"; L/240+ 1/4" > 162"		
Primered Steel:	Yes. See "Qualifications" Section: 4				
Spandrel Anchors:	Yes. See "Qualifications" Section: 4				
Brake Metal:	Yes	Thickness: 0.0625"	Sill Flashing(1,101 LF), Head Flashing(1,228 LF), Jamb Flashing(2,476 LF)		
		0.125"	Corners(138 LF), Downspout Closure(91 LF)		
Glass:	Open	Thickness: 1/4" & 1"			
Curving:	None				
Grid:	None				
Sunshades:	None				
Light Shelf:	None				
Material Finish:	Standard / Custom EFCO Standard	Type Ultralok	Class Class 1	Color Medium Bronze	(Non-Metallic)
Warranties (in years):	Materials 10	Glass None	Finish 10	Entrance Doors 5	

DRAWINGS / ADDENDA

D.1	Quote based upon drawings dated
D.2	Addendum One reviewed, dated 8 August 2022.
D.3	Addendum Two reviewed, dated 25 August 2022.
D.4	Clarification #1 reviewed, dated 29 August 2022.
D.5	Clarification #2 reviewed, dated 30 August 2022.

ENGINEERING NOTES

EN.1	EFCO material included in this quote has been structurally analyzed by in-house engineering to meet the design criteria as specified on the Quote Take-Off Form.	<i>Windload Criteria</i>
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NOTES (see take-off for additional changes)

<ul style="list-style-type: none"> • If shipment of materials is not accepted by 12/28/2023 then agreed upon price is subject to price escalations based upon business conditions at that time. Please refer to EFCO Terms and Conditions (item #4). • Freight included is for: 2 shipment(s). Additional shipments may result in an add. • Standard packaging includes loose load on 53' trailers and will be optimized by EFCO for multiple drops if required. Packaging other than our standard method will result in additional charges and must be reviewed by EFCO and agreed upon prior to final release to production. • Any deviation from the above will result in additional charges. • This price quotation is valid for thirty (30) days. Material price and delivery will be based on EFCO Terms and Conditions (item #4). If glass is supplied with this quote, it will be based on EFCO supplying and manufacturing our standard insulated unit utilizing either • "Warm Edge" technology and/or conventional aluminum spacers. EFCO reserves the right to provide either of the spacers without notification. • Structural calculations sealed by a Professional Engineer will be submitted after shop drawing approval if included in this quote. • This quote is based on an elevation(s) take-off and is not priced per Plans and Specs.
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EXCLUSIONS

E.1	All glass and glazing unless otherwise noted above.
E.2	All door hardware and preps not specifically listed on Customer Take-Off.
E.3	All fabrication on any stock-length material unless noted otherwise.
E.4	All sill flashings/subsill unless noted otherwise.
E.5	"Galvanizing process" of steel reinforcement and anchors.
E.6	Bituminous, Chromate, and/or anti-corrosive finish(s) on steel reinforcement.
E.7	EFCO will not furnish Part Mark Drawings for any Storefront project.
E.8	Mockup, lab, or seismic testing.
E.9	Mockups.
E.10	Master bundle freight.
E.11	Any B/M not specifically noted on quote.
E.12	High performance organic finish.

- E.13 Insulated metal panels.
- E.14 3" wide curtain wall mullions.
- E.15 6" wide stiles & top rails.
- E.16 Skylight.
- E.17 Brake metal flashing w/ fluoropolymer coating; A1/A503; A3/A508.
- E.18 Break metal counterflashing; D3/A507.
- E.19 Prefinished metal coping.
- E.20 Prefinished break metal trim to match aluminum panel.
- E.21 Factory finished metal fascia to match standing seam panel.
- E.22 Insulated shadow box panels.

QUALIFICATIONS

- Q.1 Adequate structural anchorage required for all elevations, no strap anchors or covers are included.
- Q.2 Storefront elevations at 120" and taller may have reduced water performance.
- Q.3 Curtain wall calculated for 1/4" live load deflection at intermediate anchor points.
- Q.4 Color variation between extruded aluminum member may occur with medium bronze anodize finish.
- Q.5 Assume all elevations have intermediate anchor point at Level 2 floor line.
- Q.6 Mk "C.5" must have intermediate anchor point at stair landing.

Finish

- 1.4 Corrosion to the aluminum substrate attributable to filiform corrosion is expressly excluded from EFCO's limited warranty.
- 1.6 All reinforcing steel and steel anchors will be supplied in EFCO standard finish.

Glass

- 2.1 EFCO reserves the right to supply, at our discretion, any of the following spacer types: **1)** Tubular glass spacer. **2)** P.P.G. warm edge spacer. **3)** Any combination of both. Insulated glass warranty will be the same for either spacer provided.

Structural

- 4.1 Anchors are included per customer's request, in accordance with the take-off design parameters.
- 4.2 See attached copy of customer's take-off for the locations where primed steel is required and supplied by EFCO.
- 4.6 The maximum splay for the mullions in the segmented elevation is 5 degrees on each side.
- 4.10 Verticals must run through in all other elevations.
- 4.12 See attached copy of customer's take-off for qualified mid-span anchor locations. If anchorage differs from that noted, an add may be necessary.

Doors

- 6.2 If the customer prepares the shop drawings, EFCO Corporation will assume no responsibility for compatibility or coordination of hardware furnished by others. The Customer is responsible for verifying hardware compatibility with door type and hardware function requirements for this project.
- 6.3 If EFCO prepares the shop drawings, EFCO will prepare a hardware schedule based on information provided by the customer. EFCO assumes no responsibility for the hardware function requirements, coordination with existing hardware, or coordination of electrical items furnished and installed by others.
- 6.4 When push/pulls and continuous hinges are being supplied by others, EFCO will not prep for this hardware from templates. The hardware must be supplied to EFCO before the hardware preps will be completed.
- 6.6 Wide stile door may be required to accommodate certain hardware. If wide stile doors are required, an add may be necessary.
- 6.7 EFCO will not prep for surface vertical rods other than the panic housing, which will be installed in-house. The surface vertical rods and latches will be shipped loose for field installation.
- 6.10 EFCO will not warrant brass hardware in coastal or corrosive environments.
- 6.11 EFCO recommends the use of an auxiliary stop with all surface mounted or concealed closers. The closer hardware warranty may be affected or become void if an auxiliary stop is not used.
- 6.12 When casters are required, they must maintain contact with a level floor surface throughout the entire swing-arc of the door.
- 6.13 When concealed operators are required, EFCO **will not** prep for hardware to be installed in operator tube.
- 6.14 Customer supplied hardware "prep only" prices do not include installation or modification of hardware supplied by others.
- 6.15 Custom hardware, not provided by EFCO, must be ordered to size for installation by EFCO. EFCO will cut down aluminum hinges, but will not make any other modifications such as EPT cut-outs. EFCO will not cut down any stainless steel hardware. Hardware sent to EFCO, that is not ordered to the correct size, will be shipped loose for customer modification and installation.

Stock Lengths

- 7.1 The standard length to be supplied for all stock length extrusions is 290 inches, unless specified otherwise.
- 7.2 The maximum length that can be supplied for stock length extrusions is 350 inches, regardless of finish type.

Break Metal

- 8.1 Brake metal shapes quoted per take-off ***do not*** include fabrication such as: notching, mitering, splicing, end dams, etc. The profiles included are shapes only and are provided long for field fabrication only.

Shop Drawings

- 11.3 The supplied shop drawings includes the following services:

**First Submission* shop drawing submittal

**Release to Fabrication* shop drawing submittal

**Part Mark* shop drawings for fabricated Curtain Wall projects

If additional submissions/revisions, such as a *Revised 1st Submission* or *2nd Submission* are required, then an add to the contract amount may be given.

Miscellaneous

- 12.1 Deduct 2" (1" from each end) for rack marks to calculate usable length of anodize brake metal and/or stock lengths.
- 12.2 This estimate does not include any sliding glass doors, windows or window accessories.
- 12.5 All Storefront elevations are quoted as a screw-spline system with shear blocks in the immediate door frames and transom area. Additional shear blocks may be required if the door jambs are changed to meet structural criteria or if the transom exceeds 48" of height.
- 12.7 EFCO reserves the right to supply EFCO 5800 series gasket material in a manner acceptable for the efficient release and manufacture of the job. Gasket must be one (1) of twenty-one (21) standard colors.

TERMS AND CONDITIONS

1. Any EFCO Corporation ("EFCO") price quotation is subject to approval by EFCO's Credit Department and is conditioned on Customer's acceptance of these Terms and Conditions. Customer shall be bound by these Terms and Conditions without change, unless otherwise set forth in writing and accepted in writing by EFCO. Any terms and conditions from any other source, including but not limited to Customer's purchase orders or acknowledgments, are deemed excluded. These Terms and Conditions shall control and take precedence over any additional, different, or conflicting terms and conditions in any other document.
2. Upon (1) receipt of purchase order from Customer, (2) acceptance by Customer of this price quotation and these Terms and Conditions, and (3) Customer credit approval by EFCO's Credit Department, this job will be scheduled by EFCO and an estimated shipping or delivery date will be assigned. It is understood and agreed that this date is an estimated date only and EFCO shall not be bound by such date. EFCO shall not be liable for direct, incidental, or consequential loss or damage to Customer or to any third parties, including without limitation any charges, back charges, penalties, liquidated damages, or liability whatsoever, due to delay or failure to deliver in accordance with the estimated delivery date regardless of the cause. Customer further waives all incidental, special and consequential damages of any kind due to delayed delivery.
3. Payment terms are: 1% -10 days- Net due thirty (30) days from invoice date. 1% discount is not applicable to credit card payments. FOB Point: EFCO dock. It is understood and agreed that the merchandise quoted is specially manufactured or fabricated to order, and will be paid for by Customer in accordance with these Terms and Conditions. Customer's payment obligations shall not be conditioned on Customer's receipt of payment from any third party. Interest will be added to all overdue or delinquent payments at the rate of one and one-half percent (1½%) per month or the maximum legal interest rate, if less than 1½% per month. Customer shall be responsible for EFCO's costs of collection, including reasonable attorney fees and expenses in the event of Customer's default or non-payment. All past due accounts will be subject to being placed on credit hold, which may include withholding of future shipments and removal of in-house orders from EFCO's production schedule.
4. This price quotation is void if not accepted within thirty (30) days of its date or thirty (30) days of its date for express/expedite orders.
5. If shipment of materials is not accepted or made within one hundred twenty (120) days of receipt of purchase order, EFCO reserves the right to re-price the quotation at EFCO's sole discretion. If ship date is changed after delivery date is accepted, a charge of 2% of the dash value or no less than \$1,000 per incident shall apply. Additional storage fees may apply. Copies of Storage Fee Policy are available upon request.
6. EFCO may terminate the agreement by providing written notice to Customer providing a 7-day cure period, in the event Customer fails to make payment according to the terms herein, fails to take delivery within 30 days upon receiving written notice from EFCO (in the event 120 days from date of this agreement have elapsed), or commits any other material breach of this agreement. Upon termination Customer shall pay all damages EFCO has incurred, including any reasonable attorneys' fees incurred by EFCO to collect such damages. All limitations of liability survive termination.
7. Neither federal, state, county, or municipal sales or use taxes nor freight of any kind is included in this price quotation unless specifically mentioned and included in the price quotation.
8. If Customer's order is tax exempt, a tax exempt certificate approved by EFCO's Finance Department must be on file prior to your order being produced. Should the required certificate not be on file prior to invoicing, tax will be charged to your order and payment in full expected accordingly. Customer bears sole responsibility for requesting a refund from Customer's appropriate state agency.
9. EFCO does not include glass or glazing unless specifically mentioned and included in this price quotation.
10. EFCO does not include erection, erection fasteners, caulking, caulk stops, blocking, shims, unloading, or any fieldwork, unless expressly provided for in this price quotation.
11. To the fullest extent permitted by law, Customer shall defend, indemnify, and hold EFCO, its parent, employees, agents, and assigns harmless from and against any and all claims, damages, losses, costs and expenses, including but not limited to attorneys' fees, arising out of or relating to the purchase, installation, or use of the goods supplied by EFCO pursuant to this Price Quotation, provided that such claim, damage, loss or expense is attributable to bodily injury, sickness, disease, or death, or to injury to or destruction of tangible property, including the loss of use resulting therefrom, but only to the extent caused, or alleged to have been caused, in whole or in part, by the acts or omissions of Customer or anyone directly or indirectly employed by it, regardless of whether or not such claim, damage, loss, or expense is also caused, or alleged to have been caused, in part by a party indemnified hereunder.
12. EFCO will not be responsible for errors in or misuse of the price quotation by any person or representative not an employee of EFCO.
13. Any Customer changes submitted to EFCO after the last revision date will be subject to all reasonable costs incurred.
14. EFCO will not be responsible for its failure to perform or delay in performing any obligations to Customer, and shall not be subject to any liquidated damages, charges, back charges, penalties or liability whatsoever of any kind, caused by strikes, slow-downs, floods, fires, accidents, contingencies of transportation, embargoes, inability to obtain raw materials, or any other causes beyond the control of EFCO.
15. All finishes may vary in color shading and gloss, and Customer agrees to abide by standard variations based on published AAMA guidelines.
16. EFCO will not be responsible for or pay for any job-site or fieldwork, repairs, corrections, or modifications unless authorized in writing by EFCO. All authorized job-site or fieldwork, repairs, corrections, or modifications shall be performed in accordance with EFCO's Field Services Policy and Procedures, which is incorporated by reference as if fully written herein. Copies are available from EFCO by request.
17. Customer must report any freight damage or material shortages to EFCO within ten (10) business days of delivery.
18. The products and/or services included in this price quotation are specified by and approved by Customer, who assumes full responsibility for any errors or omissions in specifying or ordering same. Subject to the terms of this agreement, EFCO assumes responsibility for the accuracy of shop drawings prepared by EFCO; however, Customer also assumes full responsibility for errors or omissions in data furnished to EFCO from which EFCO prepares shop drawings. Customer assumes full responsibility for the engineering and accuracy of the Customer supplied shop drawings. EFCO will not be responsible for any delays in shipment of material caused by defects in the plans or specifications nor for conflicts between the structural drawings and the architectural drawings. EFCO has not completed a review of the structural drawings before providing its price quotation. EFCO will manufacture from approved shop drawings only. Customer is responsible to ensure what is incorporated into the Customer shop drawings or make-to-size order is in accordance with the contract documents, plans and specifications, all applicable laws and regulations, building codes, and any federal, state, county, and municipal codes. The structural integrity is also the responsibility of Customer in accordance with design requirements as well as the product's suitability for this project.
19. The goods and services provided pursuant to this price quotation are subject to no warranties other than those written warranties expressly provided by EFCO (reference Warranty Terms and Conditions available at www.efcocorp.com) and EFCO MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE AND SUCH WARRANTIES ARE HEREBY EXPRESSLY DISCLAIMED. EFCO disclaims any statements, representations, or warranties of any kind whatsoever made by EFCO's sales representatives to Customer. EFCO's warranty will be void in the event that full payment for goods is not received as required under these Terms and Conditions. EFCO's limited warranty, as provided to Customer, may only be modified upon written approval of EFCO's President or Vice President(s). Any verbal representations intended to modify any existing EFCO limited warranty shall be invalid and unenforceable against EFCO.
20. IN NO EVENT SHALL EFCO BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, SPECIAL, OR PUNITIVE DAMAGES OF ANY KIND RESULTING FROM THE SALE, INSTALLATION OR USE OF ANY EFCO PRODUCTS. Customer's rights and obligations regarding any goods supplied by EFCO, and proven to be defective, are limited to those set forth in EFCO's Limited Warranty provided to Customer. EFCO will not accept any charge or expense submitted by Customer or any third party, including but not limited to any labor costs for modification, removal, inspection, testing or installation of any goods sold by EFCO or for any replacement goods.
21. Product furnished shall not be considered nonconforming subject to rejection or revocation or entitling Customer to damages of any kind because of physical alteration due to testing performed on the product in accordance with AAMA guidelines or other recognized testing protocols.
22. This agreement and the enforcement of same shall be governed by, and construed according to, the laws of the State of Missouri.
23. EFCO's Price Quotation, Quote Confirmation, these Terms and Conditions, EFCO's Order Acknowledgment or Confirmation, EFCO's Limited Warranty (if applicable, and as issued by EFCO), and any supplemental documents annexed hereto by EFCO, contain the complete and entire agreement between the parties as to the subject matter hereof, and replaces and supersedes any prior or contemporaneous communications, representations, or agreements, whether oral or written, with respect to such subject matter.



Change Order Proposal

Project: Valle Crucis School

COR #: **29**

Date: **7/12/2023**

Description of Change: Addition of soffit and trim at CTE and advanced math room #202

H&M Material:			Subtotals
1. Total Cost of Materials (Attach Backup)		0.00	
2. Sales Tax	6.75%	0.00	
3. Overhead & Profit	15%	0.00	0.00
H&M Labor:			
4. Total Man Hour Cost (Attach Backup)		0.00	
5. Labor Burden (Enter Percentage)	41%	0.00	
6. Overhead & Profit	15%	0.00	0.00
H&M Equipment Rental:			
7. Equipment / Equipment Rental (Attach Backup)		0.00	
8. Overhead & Profit	15%	0.00	0.00
H&M Unit Prices:			
9. Unit Price (If Applicable)		0.00	0.00
H&M Subcontractors:			
10. Subcontractor (Attach Subcontractor Backup)		5,844.14	
11. Overhead & Profit (On Subcontractors)	10%	584.41	6,428.55
		Grand Subtotal =	6,428.55
13. P&P Bonds (On Grand Subtotal)	2%	128.57	
		Total of Proposal =	6,557.13

Time Extension Request: **0** Days
 Schedule Activity # Affected: _____ Does this effect the critical path? **No**

This Contractor agrees to perform the work outlined in this change proposal for the amount specified above

Eric Jones / VP _____ Date: _____
 Owner/Architect _____ Date: _____

Subcontractor Name

Change Order Proposal

Project: Valle Crucis School

COR #:

Date:

Description of Change: Addition of Soffit and Trim at CTE & Advanced Math #202

			Subtotals
Material:			
1. Total Cost of Materials (Attach Backup)		<u>\$1,973.26</u>	
2. Sales Tax	6.75%	<u>\$133.20</u>	
3. Overhead & Profit	10%	<u>\$210.65</u>	\$2,317.10
Labor:			
4. Total Man Hour Cost (Attach Backup)		<u>\$2,264.00</u>	
5. Labor Burden (35% is Allowed)	35%	<u>\$792.40</u>	
6. Overhead & Profit	10%	<u>\$305.64</u>	\$3,362.04
Equipment Rental:			
7. Equipment / Equipment Rental (Attach Backup)		<u>\$150.00</u>	
8. Overhead & Profit	10%	<u>\$15.00</u>	\$165.00
Unit Prices:			
9. Unit Price (If Applicable)		<u>\$0.00</u>	\$0.00
Subcontractors:			
10. Subcontractor (Attach Subcontractor Backup)		<u>\$0.00</u>	
11. Overhead & Profit (On Subcontractors)	10%	<u>\$0.00</u>	\$0.00
Grand Subtotal =			\$5,844.14
13. Bond If Required (On Grand Subtotal)	0%	<u>\$0.00</u>	
Total of Proposal =			\$5,844.14

Time Extension Request: Days
 Schedule Activity # Affected: Does this effect the critical path?

This Contractor agrees to perform the work outlined in this change proposal for the amount specified above

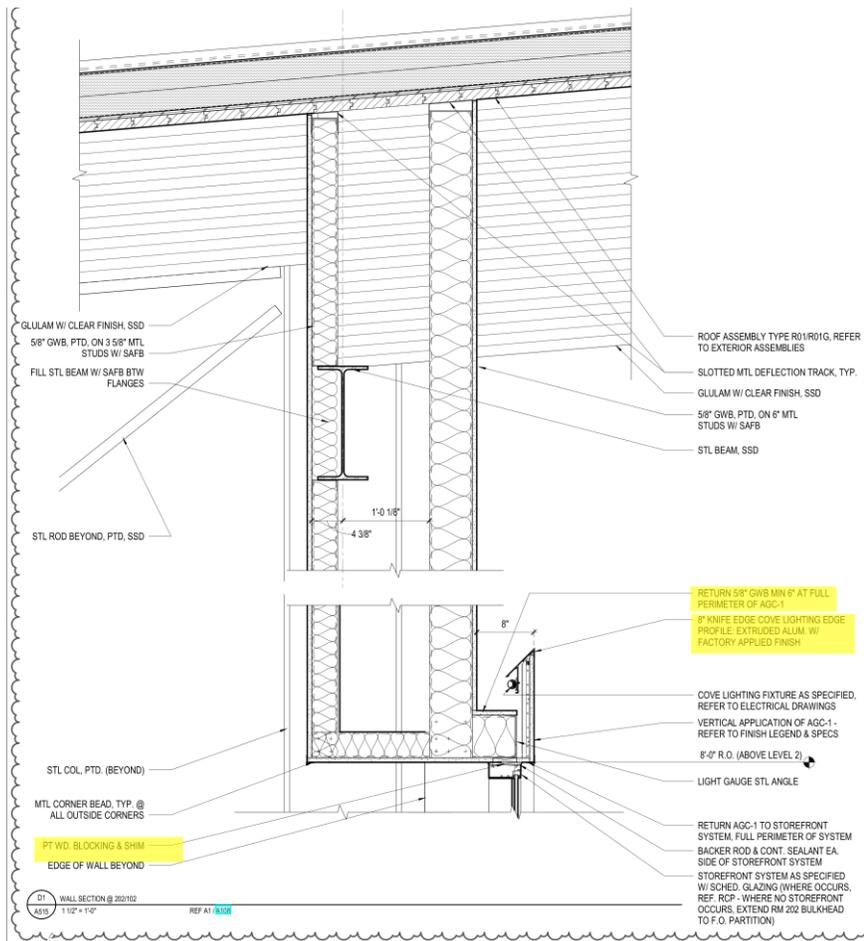
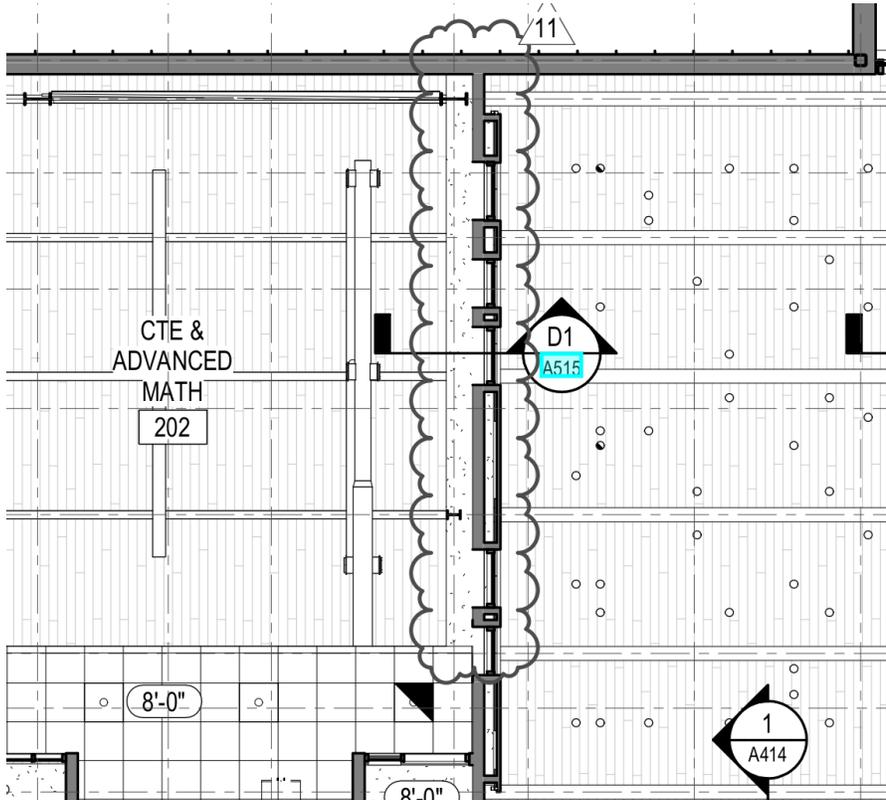
Subcontractor _____

Date: _____

Subcontractor Name				Change Order Proposal (Details)			
Project: Valle Crucis School				COR #: 5			
SCO #: 0				Date: 7/6/2023			
Description of Change: Addition of Soffit and Trim at CTE & Advanced Math #202							
MATERIALS				LABOR			
QTY	DESCRIPTION	UNIT	TOTAL	MAN HRS	DESCRIPTION	RATE	LABOR COST
600.00	SF of 4x10 5/8" GWB Type X	\$0.59	\$354.00	16.00	Hanging Drywall	\$24.00	\$384.00
192.00	LF of 3-5/8" 20ga studs	\$0.74	\$142.08	24.00	Framing Bulkheads/Cove Light	\$24.00	\$576.00
120.00	LF of 3-5/8" 1-1/4" 20ga Track	\$0.72	\$86.40	6.00	Framing Hard Ceiling	\$24.00	\$144.00
192.00	LF of 6" 20ga Studs	\$0.94	\$180.48	8.00	Hanging Insulation	\$24.00	\$192.00
120.00	LF of 6" 1-1/4" 20ga Track	\$0.93	\$111.60	22.00	Taping, Finish, Sanding	\$24.00	\$528.00
80.00	SF of Drywall Suspension System	\$1.22	\$97.60	4.00	Installation of wood Blocking	\$24.00	\$96.00
240.00	SF of R-11 Insulation	\$0.39	\$93.60	10.00	Installation of Knidge Edge Trim	\$24.00	\$240.00
240.00	SF of R-19 Insulation	\$0.48	\$115.20	4.00	Supervision	\$26.00	\$104.00
36.00	LF of 2x4" Fire Rated Wood Blocking	\$1.55	\$55.80				\$0.00
30.00	LF of 8" Knife Edge Profile Trim	\$24.55	\$736.50				\$0.00
			\$0.00				\$0.00
MATERIAL SUBTOTAL:			\$1,973.26	LABOR SUBTOTAL:			\$2,264.00
EQUIPMENT RENTAL				2nd TIER SUB COSTS (SEE ATTACHED)			
QTY	DESCRIPTION	RATE	TOTAL	DESCRIPTION		COST	
1.00	Rental of Scissor Lift	\$150.00	\$150.00			\$0.00	
			\$0.00			\$0.00	
			\$0.00			\$0.00	
			\$0.00			\$0.00	
			\$0.00			\$0.00	
			\$0.00			\$0.00	
			\$0.00			\$0.00	
			\$0.00			\$0.00	
			\$0.00			\$0.00	
			\$0.00			\$0.00	
			\$0.00			\$0.00	
			\$0.00			\$0.00	
			\$0.00			\$0.00	
EQUIPMENT SUBTOTAL:			\$150.00	SUBCONTRACT SUBTOTAL:			\$0.00

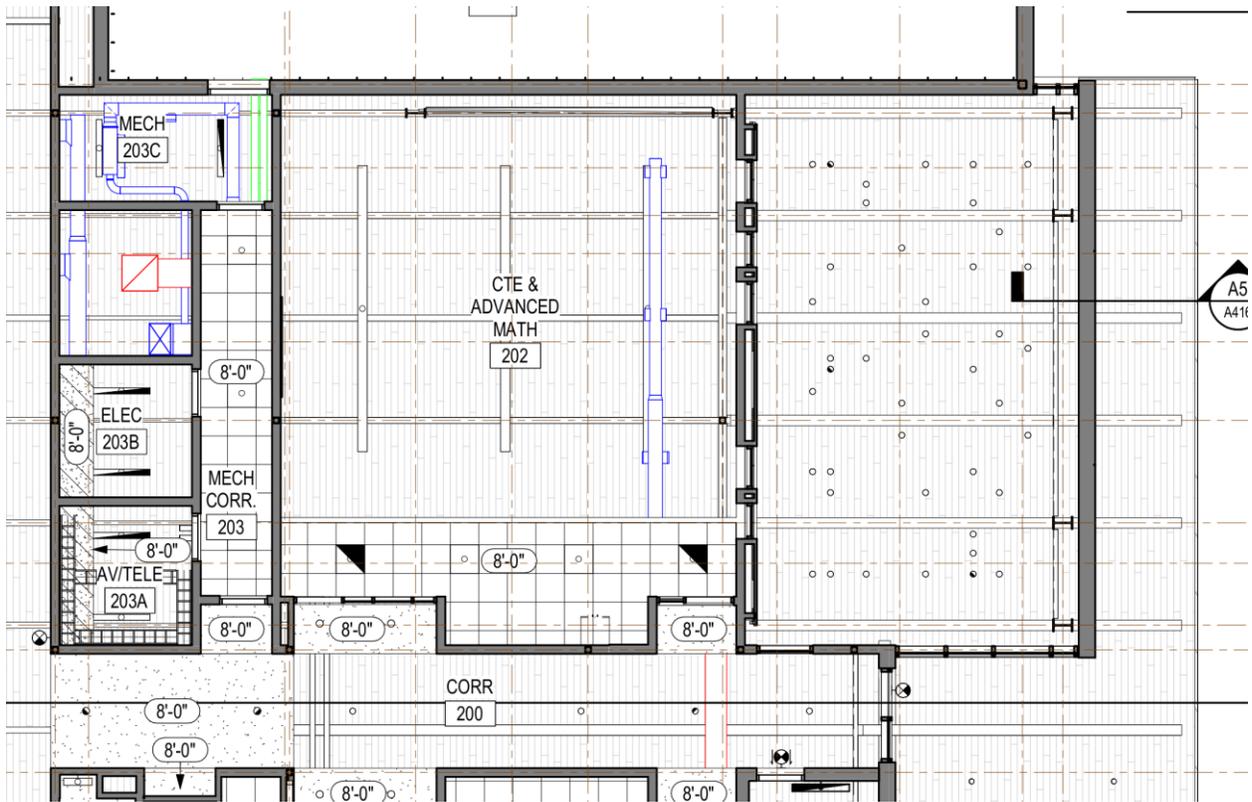
REVISION 11 – DETAILS

REFERENCE: A126 & A515-D1



PREVIOUS DETAIL – ADDENDUM 2

REFERENCE: A126 – PLAN A515 DOES NOT EXIST



Colonial Materials Inc		
Date: 04/20		
Project Name: Walk In Prices 2nd Quarter		
Location:		
Client: Divisions Contractors NC		
Description		
Please Update Price Increases		3rd 2023
Drywall		
5/8" EXP exterior sheathing	SF	\$1.250
1/2" EXP Exterior Sheathing	SF	\$1.145
5/8" EXP Exterior Sheathing	SF	\$1.250
1/4" Cement Board		\$1.200
1/2" Cement Board	SF	\$1.200
5/8" Cement Board	SF	\$1.400
5/8" exterior gyp bd (Soffit board)	SF	\$0.705
5/8" type X gypsum board for wall M/R	SF	\$0.675
1/2" type X gypsum board	SF	\$0.585
5/8" regular gypsum board for wall (Type X)	SF	\$0.570
5/8" regular gypsum board for wall (Type X) -- Paperless	SF	\$0.570
1" gypsum liner panel Reg XP Liner	SF	\$1.750
5/8" regular gypsum board for wall (Type X)	SF	\$0.570
5/8" SoundBreak GWB XP	SF	\$2.250
5/8" A/R gypsum board	SF	\$1.075
5/8" H/R gypsum board **High impact**	SF	\$1.225
5/8" lead lined gyp 1/16" thick ** 4x10 Lead to 7'	SF	\$11.250
FRP Panels 4x8 - Color White *** Standard Class C Pebble ****	Unit	\$1.955
FRP Panels 4x8 - Color Black*** Standard Class C Pebble ****	Unit	\$1.995
FRP Panels 4x8 - Color Red/Blue/Green/Etc	Unit	\$3.005
Others		
Corner Beads		\$0.330
Fire Caulking Sausages	Box	\$105.000
Fire Caulking Tubes	Box	\$145.000
Sound Caulking 29" Tubes	Box	\$105.000
FRP Glue		\$105.000
Joint Compound	Buckets	\$21.750
20 minutes durabond	Bags	\$15.000
45 minutes durabond	Bags	\$15.000
Tuff Hide (Level 5 Finish)	Buckets	\$22.500
Joint Paper Tape	Rolls	\$4.050
Mesh Tape	Rolls	\$10.250
Zinc Control Joints	Pcs	\$1.350
Tear Away bead 5/8"	Pcs	\$0.395
Drywall screws (Sharp point 1-1/4")	Box	\$95.000
Drywall screws (Self taping point 1-1/4")	Box	\$115.000
1-7/8" drywall screws self taping	Box	\$110.000
1-1/4" laminators	Box	\$105.000
1/2 wafer head screws self taping	Box	\$125.000
3/4" hex screws # 10	Box	\$122.000
3/4" hex screws # 12	Box	\$172.000
Concrete 3/4 pins ---- Track Fast	Pins	\$75.000
Concrete 1/2 pins Steel ---- Track Fast	Pins	\$135.000
Insulation		

R-11 unface fiber glass 16OC insulation	SF	\$0.405
R-13 unface fiber glass 16OC insulation	SF	\$0.575
R-11 unface fiber glass 16OC insulation ---foil scrim kraft	SF	\$0.575
R-19 unface fiber glass 16OC insulation	SF	\$0.595
R-19 unface fiber glass 16OC insulation ---foil scrim kraft	SF	\$0.745
R-21 unface fiber glass 16OC insulation	SF	\$1.205
R-30 unface fiber glass 16OC insulation	SF	\$1.085
R-38 unface fiber glass 16OC insulation	SF	\$1.305
2" Mineral Wool	SF	\$0.475
3" Mineral Wool	SF	\$0.805
4" Mineral Wool	SF	\$1.105
1-1/2" Rigid Insulation Scoreboard	SF	\$1.515
2" Rigid Insulation Scoreboard	SF	\$1.985
3" Rigid Insulation Scoreboard	SF	\$3.030
1-1/2" Rigid Insulation Poly	SF	\$1.995
2" Rigid Insulation Poly	SF	\$2.595
3" Rigid Insulation Poly	SF	\$3.775
CH 20-GA Drywall		
2-1/2" 20 GA CH metal studs	LF	\$1.600
2-1/2" 20 GA J-runner	LF	\$1.295
4" 20 GA CH Studs	LF	\$1.905
4" 20 GA J track/runner	LF	\$1.575
6" 20 GA CH Studs	LF	\$2.140
6" 20 GA J track/runner	LF	\$1.865
CH 33-GA Drywall		
2-1/2" 33 GA CH metal studs	LF	\$1.600
2-1/2" 33 GA J-runner	LF	\$1.295
4" 33 GA CH Studs	LF	\$1.905
4" 33 GA J track/runner	LF	\$1.575
6" 33 GA CH Studs	LF	\$2.140
6" 33 GA J track/runner	LF	\$1.865
20-GA Drywall		
1-1/2" X 1-1/2" 20-GA	LF	\$0.725
7/8" 20 GA Hat Channel	LF	\$0.705
1-5/8" 20 GA metal studs @ 16"OC	LF	\$0.465
1-5/8" 20 GA 1-1/4 leg Track	LF	\$0.460
1-5/8" 20 GA 2 leg Track	LF	\$0.600
2-1/2" 20 GA metal studs @ 16"OC	LF	\$0.585
2-1/2" 20 GA 1-1/4 leg Track	LF	\$0.580
2-1/2" 20 GA 2 leg Track	LF	\$0.745
3-5/8" 20 GA metal studs @ 16"OC-----	LF	\$0.725
3-5/8" 20 GA 1-1/4 leg Track	LF	\$0.720
3-5/8" 20 GA 2 leg Track-----SLOTTED	LF	\$1.805
4" 20 GA metal studs @ 16"OC	LF	\$0.775
4" 20 GA 1-1/4 leg Track	LF	\$0.770
4" 20 GA 2 leg Track-----SLOTTED	LF	\$1.920
6" 20 GA metal studs @ 16"OC	LF	\$1.015
6" 20 GA 1-1/4 leg Track	LF	\$1.100
6" 20 GA 2 leg Track-----SLOTTED	LF	\$2.295
8" 20 GA metal studs @ 16"OC-----	LF	\$2.385
8" 20 GA 1-1/4 leg Track	LF	\$2.105
8" 20 GA 2 leg Track-----SLOTTED	LF	\$2.905
33-GA Structural		
1-5/8" 33 GA CSJ metal studs @ 16"OC	LF	\$1.565

1-5/8" 33 GA CSJ 1-1/4 leg Track	LF	\$1.220
1-5/8" 33 GA CSJ 2 leg Track	LF	\$1.705
2-1/2" 33 GA CSJ metal studs @ 16"OC	LF	\$1.145
2-1/2" 33 GA CSJ 1-1/4 leg Track	LF	\$0.895
2-1/2" 33 GA CSJ 2 leg Track	LF	\$1.305
3-5/8" 33 GA CSJ metal studs @ 16"OC-----	LF	\$1.365
3-5/8" 33 GA CSJ 1-1/4 leg Track	LF	\$1.170
3-5/8" 33 GA CSJ 2 leg Track-----SLOTTED	LF	\$1.885
4" 33 GA CSJ metal studs @ 16"OC	LF	\$1.435
4" 33 GA CSJ 1-1/4 leg Track	LF	\$1.285
4" 33 GA CSJ 2 leg Track-----SLOTTED	LF	\$1.965
6" 33 GA CSJ metal studs @ 16"OC	LF	\$1.770
6" 33 GA CSJ 1-1/4 leg Track	LF	\$1.655
6" 33 GA CSJ 2 leg Track-----SLOTTED	LF	\$2.360
8" 33 GA CSJ metal studs @ 16"OC-----	LF	\$2.195
8" 33 GA CSJ 1-1/4 leg Track	LF	\$1.955
8" 33 GA CSJ 2 leg Track-----SLOTTED	LF	\$2.840
18-GA Metals		
2-1/2" 18GA metal studs @ 16"OC	LF	\$1.505
2-1/2" 18GA 1-1/4 leg Track	LF	\$1.195
2-1/2" 18GA 2" leg Track-----SLOTTED	LF	\$2.425
3-5/8" 18 CSJ metal studs @ 16"OC	LF	\$1.765
3-5/8" 18 CSJ t1-1/4 leg Track	LF	\$1.465
3-5/8" 18 CSJ 2 leg Track-----SLOTTED	LF	\$2.330
4" 18 CSJ metal studs @ 16"OC	LF	\$1.870
4" 18 CSJ t1-1/4 leg Track	LF	\$1.565
4" 18 CSJ 2 leg Track-----SLOTTED	LF	\$2.265
6" 18ga CSJ metal studs @ 16"OC-	LF	\$2.325
6" 18ga CSJ t1-1/4 leg Track-	LF	\$2.060
6" 18ga CSJ 2 leg Track -----slotted	LF	\$2.760
8" 18 GA metal studs @ 16"OC-----	LF	\$2.820
8" 18 GA 1-1/4 leg Track	LF	\$2.525
8" 18 GA 2 leg Track-----SLOTTED	LF	\$3.115
10" 18 GA metal studs @ 16"OC-----	LF	\$3.525
10" 18 GA 1-1/4 leg Track	LF	\$3.195
10" 18 GA 2 leg Track-----SLOTTED	LF	\$7.625
12" 18 GA metal studs @ 16"OC-----	LF	\$4.045
12" 18 GA 1-1/4 leg Track	LF	\$3.710
12" 18 GA 2 leg Track-----SLOTTED	LF	\$8.650
14" 18 GA metal studs @ 16"OC-----	LF	\$5.470
14" 18 GA 1-1/4 leg Track	LF	\$5.090
14" 18 GA 2 leg Track-----SLOTTED	LF	\$9.737
Z-channels 18ga 2"	LF	\$1.675
16-GA Metals		
1-1/2" X 1-1/2" metal angle 16ga	LF	\$1.005
2" X 2" metal angle 16ga	LF	\$1.305
3" X 3" metal angle 16ga	LF	\$1.995
1-1/2" X 1-1/2" metal angle 16ga	LF	\$0.965
2-1/2" 16GA metal studs @ 16"OC	LF	\$1.890
2-1/2" 16GA 1-1/4 leg Track	LF	\$1.505
2-1/2" 16GA 2" leg Track-----SLOTTED	LF	\$2.405
3-5/8" 16 CSJ metal studs @ 16"OC	LF	\$2.220
3-5/8" 16 CSJ t1-1/4 leg Track	LF	\$1.855
3-5/8" 16 CSJ 2 leg Track-----SLOTTED	LF	\$2.870
4" 16 CSJ metal studs @ 16"OC	LF	\$2.350

4" 16 CSJ t1-1/4 leg Track	LF	\$1.970
4" 16 CSJ 2 leg Track-----SLOTTED	LF	\$2.790
6" 16ga CSJ metal studs @ 16"OC-	LF	\$2.885
6" 16ga CSJ t1-1/4 leg Track-	LF	\$2.560
6" 16ga CSJ 2 leg Track -----slotted	LF	\$3.190
8" 16 GA metal studs @ 16"OC-----	LF	\$3.545
8" 16 GA 1-1/4 leg Track	LF	\$3.205
8" 16 GA 2 leg Track-----SLOTTED	LF	\$3.875
14-GA Metals		
6" 14ga CSJ metal studs @ 16"OC-	LF	\$3.320
6" 14ga CSJ t1-1/4 leg Track-	LF	\$2.885
6" 14ga CSJ 2 leg Track -----slotted	LF	\$4.590
8" 14 GA metal studs @ 16"OC-----	LF	\$4.015
8" 14 GA 1-1/4 leg Track	LF	\$3.585
8" 14 GA 2 leg Track-----SLOTTED	LF	\$5.445
Lumber		
2X4 pressure treated wood 12'-Long	SF	\$0.850
2X6 pressure treated wood 12'-Long	SF	\$1.540
2X8 pressure treated wood 12'-Long	SF	\$1.750
2X10 pressure treated wood 12'-Long	SF	\$3.130
2X12 pressure treated wood 12'-Long	SF	\$4.280
4x8 3/4" pressure treated plywood	SF	\$1.960
4x8 5/8" pressure treated plywood	SF	\$1.843
2X4 Fire rated	LF	\$0.910
2X6 Fire rated	LF	\$1.570
2X8 Fire rated	LF	\$1.950
2X10 Fire rated	LF	\$3.040
2X12 Fire rated	LF	\$4.875
4x8 5/8 fire rated plywood	SF	\$1.950
4x8 3/4 fire rated plywood	SF	\$2.120



Change Order Proposal

Project: Valle Crucis School

COR #: **31**

Date: **7/13/2023**

Description of Change: Rev 7 changes. Addition of cove light at flat ceiling in gym. Install rock-on at CMU exterior wall

			Subtotals
H&M Material:			
1. Total Cost of Materials (Attach Backup)		0.00	
2. Sales Tax	6.75%	0.00	
3. Overhead & Profit	15%	0.00	0.00
H&M Labor:			
4. Total Man Hour Cost (Attach Backup)		0.00	
5. Labor Burden (Enter Percentage)	41%	0.00	
6. Overhead & Profit	15%	0.00	0.00
H&M Equipment Rental:			
7. Equipment / Equipment Rental (Attach Backup)		0.00	
8. Overhead & Profit	15%	0.00	0.00
H&M Unit Prices:			
9. Unit Price (If Applicable)		0.00	0.00
H&M Subcontractors:			
10. Subcontractor (Attach Subcontractor Backup)		3,526.38	
11. Overhead & Profit (On Subcontractors)	10%	352.64	3,879.02
		Grand Subtotal =	3,879.02
13. P&P Bonds (On Grand Subtotal)	2%	77.58	
		Total of Proposal =	3,956.60

Time Extension Request: **0** Days
 Schedule Activity # Affected: _____ Does this effect the critical path? **No**

This Contractor agrees to perform the work outlined in this change proposal for the amount specified above

Eric Jones / VP _____ Date: _____
 Owner/Architect _____ Date: _____

Subcontractor Name

Change Order Proposal

Project: Valle Crucis School

COR #: **1**

Date: **2/17/2023**

Description of Change: Revision 7 - Multiple Chages - Addition of Cove Ligh at the flat ceiling in Gym #103 - Per Revision 7 - Per Detail A515-1 & Installation of Rock on at CMU Exterior Wall -- Per detail A403-A5

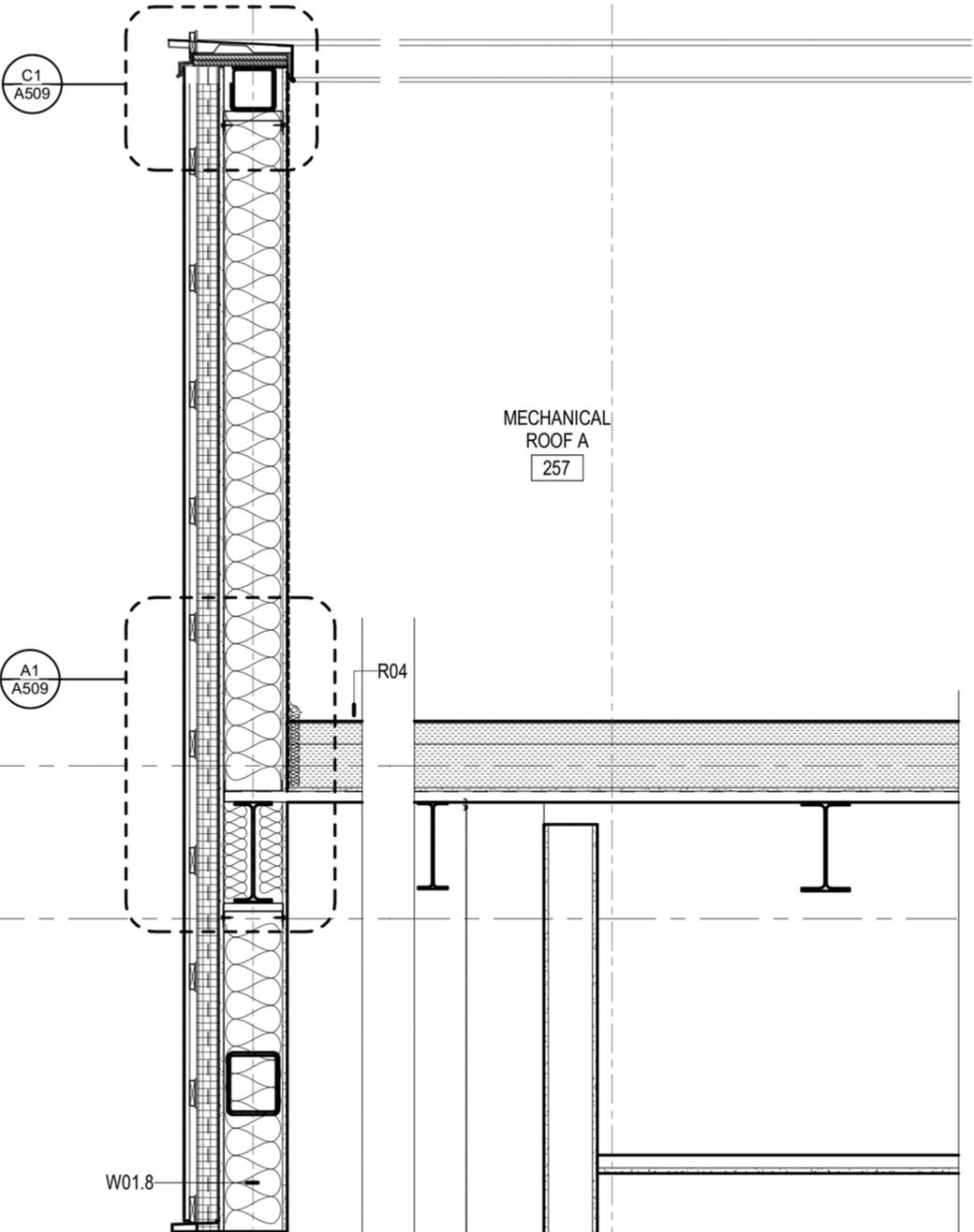
			Subtotals
Material:			
1. Total Cost of Materials (Attach Backup)		<u>\$1,025.20</u>	
2. Sales Tax	6.75%	<u>\$69.20</u>	
3. Overhead & Profit	10%	<u>\$109.44</u>	\$1,203.84
Labor:			
4. Total Man Hour Cost (Attach Backup)		<u>\$1,564.00</u>	
5. Labor Burden (35% is Allowed)	35%	<u>\$547.40</u>	
6. Overhead & Profit	10%	<u>\$211.14</u>	\$2,322.54
Equipment Rental:			
7. Equipment / Equipment Rental (Attach Backup)		<u>\$0.00</u>	
8. Overhead & Profit	10%	<u>\$0.00</u>	\$0.00
Unit Prices:			
9. Unit Price (If Applicable)		<u>\$0.00</u>	\$0.00
Subcontractors:			
10. Subcontractor (Attach Subcontractor Backup)		<u>\$0.00</u>	
11. Overhead & Profit (On Subcontractors)	10%	<u>\$0.00</u>	\$0.00
Grand Subtotal =			\$3,526.38
13. Bond If Required (On Grand Subtotal)	0%	<u>\$0.00</u>	
Total of Proposal =			\$3,526.38

Time Extension Request: **0** Days
 Schedule Activity # Affected: **0** Does this effect the critical path? **No**

This Contractor agrees to perform the work outlined in this change proposal for the amount specified above

Subcontractor _____ Date: _____

Subcontractor Name				Change Order Proposal (Details)			
Project: Valle Crucis School				COR #: 5			
SCO #: 0				Date: 2/17/2023			
Description of Change: Revision 7 - Multiple Chages - Addition of Cove Ligh at the flat ceiling in Gym #103 - Per Revision 7 - Per Detail A515-1 & Installation of Rock on at CMU Exterior Wall -- Per detail A403-A5							
MATERIALS				LABOR			
QTY	DESCRIPTION	UNIT	TOTAL	MAN HRS	DESCRIPTION	RATE	LABOR COST
70.00	LF of Fire Rated 2x4 Lumber	\$1.62	\$113.40	4.00	Installation of Wood Blocking	\$24.00	\$96.00
70.00	LF of Extruded Alum, Transition Trim	\$11.24	\$786.80	12.00	Framing Cove Light	\$24.00	\$288.00
1.00	Fasteners & misc.	\$125.00	\$125.00	14.00	Installation of Trim and Light Pocket	\$24.00	\$336.00
			\$0.00	1.00	Cleaning	\$24.00	\$24.00
			\$0.00	32.00	450 SF of hanging Rock on	\$24.00	\$768.00
			\$0.00	2.00	Supervision & Layout	\$26.00	\$52.00
			\$0.00				\$0.00
			\$0.00				\$0.00
			\$0.00				\$0.00
			\$0.00				\$0.00
MATERIAL SUBTOTAL:			\$1,025.20	LABOR SUBTOTAL:			\$1,564.00
EQUIPMENT RENTAL				2nd TIER SUB COSTS (SEE ATTACHED)			
QTY	DESCRIPTION	RATE	TOTAL	DESCRIPTION	COST		
			\$0.00				\$0.00
			\$0.00				\$0.00
			\$0.00				\$0.00
			\$0.00				\$0.00
			\$0.00				\$0.00
			\$0.00				\$0.00
			\$0.00				\$0.00
			\$0.00				\$0.00
			\$0.00				\$0.00
			\$0.00				\$0.00
			\$0.00				\$0.00
EQUIPMENT SUBTOTAL:			\$0.00	SUBCONTRACT SUBTOTAL:			\$0.00



LEVEL 2
14'-8"

T.O. STEEL - ROOF DECK
12'-11"

GUARDRAIL SECURED TO PERIMETER CHANNEL

COMPOSITE WOOD DECKING
2X BLOCKING

4'-0"

PAINTED GALV. STEEL PERIMETER CHANNEL

LEVEL 1
0'-0"

1'-3"

TRELLIS SCREEN WALL SYSTEM: 2" WIDE WELDED FLAT STOCK FRAME W/ WIRE MESH INFILL

TRELLIS SCREEN WALL SUPPORT, SEE STRUCTURAL

+/- 4" TO GRADE

PAINTED GALV STEEL, SEE STRUCTURAL

CONCRETE PIER, SEE STRUCTURAL

TRELLIS SCREEN WALL SUPPORT, SEE STRUCTURAL

1'-0"

3'-0"

KITCHEN
104

104B

DRY STOR
104D

ELEVATED CONCRETE COMPOSITE SLAB, SEE STRUCTURAL

5/8" EXT GLASS-MAT SHEATHING ON 8" INSULATED MTL STUDS, MIN R-19
CONT., FLUID-APPLIED, VAPOR PERMEABLE AIR & WEATHER BARRIER, TURN UP FACE OF CMU
3/4" CEMENT BOARD ON CONCEALED FASTENER SUPPORT CLIPS
3" MINERAL WOOL RIGID INSULATION, MIN R-9
CEMENT BOARD

CONT. AIR & WEATHER MEMBRANE ON 3-3/4" STRUCTURAL INSUL. SHEATHING
PROTECTION BOARD

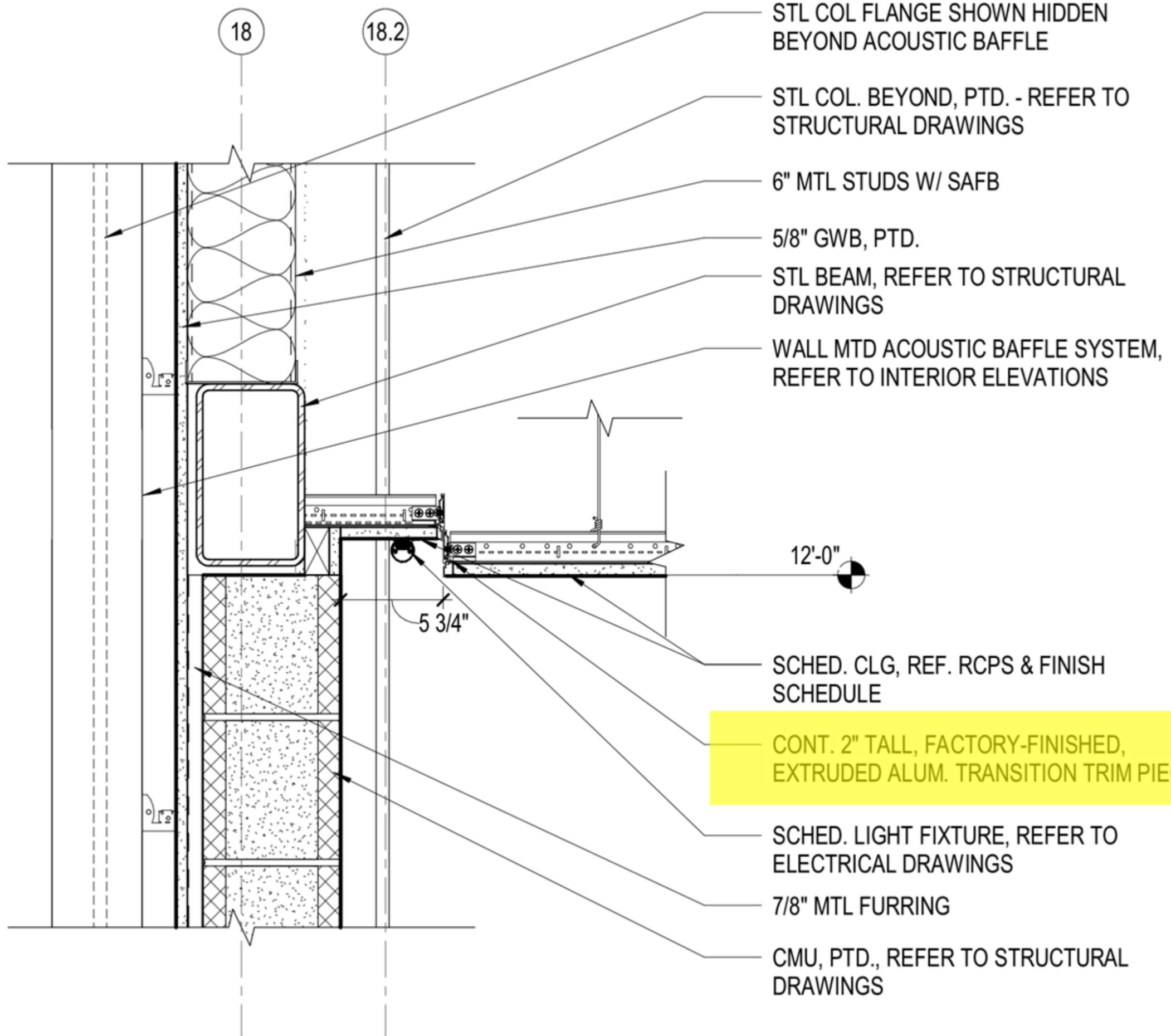
DRAINAGE MAT

PERFORATED FOUNDATION DRAIN - REFER TO CIVIL

3 A5 WALL SECTION @ DECK & ELEVATED SLAB
A403 3/4" = 1'-0" REF A1 / A104

GRAPHIC SCALE(S)





STL COL FLANGE SHOWN HIDDEN BEYOND ACOUSTIC BAFFLE

STL COL. BEYOND, PTD. - REFER TO STRUCTURAL DRAWINGS

6" MTL STUDS W/ SAFB

5/8" GWB, PTD.

STL BEAM, REFER TO STRUCTURAL DRAWINGS

WALL MTD ACOUSTIC BAFFLE SYSTEM, REFER TO INTERIOR ELEVATIONS

12'-0"

5 3/4"

SCHED. CLG, REF. RCPS & FINISH SCHEDULE

CONT. 2" TALL, FACTORY-FINISHED, EXTRUDED ALUM. TRANSITION TRIM PIECE

SCHED. LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS

7/8" MTL FURRING

CMU, PTD., REFER TO STRUCTURAL DRAWINGS

1 CLG DTL @ GYM LIGHT COVE
A515 1 1/2" = 1'-0"

REF A1 / A122

Colonial Materials Inc		
Date: 04/20		
Project Name: Walk In Prices 2nd Quarter		
Location:		
Client: Divisions Contractors NC		
Description		
Please Update Price Increases		3rd 2023
Drywall		
5/8" EXP exterior sheathing	SF	\$1.250
1/2" EXP Exterior Sheathing	SF	\$1.145
5/8" EXP Exterior Sheathing	SF	\$1.250
1/4" Cement Board		\$1.200
1/2" Cement Board	SF	\$1.200
5/8" Cement Board	SF	\$1.400
5/8" exterior gyp bd (Soffit board)	SF	\$0.705
5/8" type X gypsum board for wall M/R	SF	\$0.675
1/2" type X gypsum board	SF	\$0.585
5/8" regular gypsum board for wall (Type X)	SF	\$0.570
5/8" regular gypsum board for wall (Type X) -- Paperless	SF	\$0.570
1" gypsum liner panel Reg XP Liner	SF	\$1.750
5/8" regular gypsum board for wall (Type X)	SF	\$0.570
5/8" SoundBreak GWB XP	SF	\$2.250
5/8" A/R gypsum board	SF	\$1.075
5/8" H/R gypsum board **High impact**	SF	\$1.225
5/8" lead lined gyp 1/16" thick ** 4x10 Lead to 7'	SF	\$11.250
FRP Panels 4x8 - Color White *** Standard Class C Pebble ****	Unit	\$1.955
FRP Panels 4x8 - Color Black*** Standard Class C Pebble ****	Unit	\$1.995
FRP Panels 4x8 - Color Red/Blue/Green/Etc	Unit	\$3.005
Others		
Corner Beads		\$0.330
Fire Caulking Sausages	Box	\$105.000
Fire Caulking Tubes	Box	\$145.000
Sound Caulking 29" Tubes	Box	\$105.000
FRP Glue		\$105.000
Joint Compound	Buckets	\$21.750
20 minutes durabond	Bags	\$15.000
45 minutes durabond	Bags	\$15.000
Tuff Hide (Level 5 Finish)	Buckets	\$22.500
Joint Paper Tape	Rolls	\$4.050
Mesh Tape	Rolls	\$10.250
Zinc Control Joints	Pcs	\$1.350
Tear Away bead 5/8"	Pcs	\$0.395
Drywall screws (Sharp point 1-1/4")	Box	\$95.000
Drywall screws (Self taping point 1-1/4")	Box	\$115.000
1-7/8" drywall screws self taping	Box	\$110.000
1-1/4" laminators	Box	\$105.000
1/2 wafer head screws self taping	Box	\$125.000
3/4" hex screws # 10	Box	\$122.000
3/4" hex screws # 12	Box	\$172.000
Concrete 3/4 pins ---- Track Fast	Pins	\$75.000
Concrete 1/2 pins Steel ---- Track Fast	Pins	\$135.000
Insulation		

R-11 unface fiber glass 16OC insulation	SF	\$0.405
R-13 unface fiber glass 16OC insulation	SF	\$0.575
R-11 unface fiber glass 16OC insulation ---foil scrim kraft	SF	\$0.575
R-19 unface fiber glass 16OC insulation	SF	\$0.595
R-19 unface fiber glass 16OC insulation ---foil scrim kraft	SF	\$0.745
R-21 unface fiber glass 16OC insulation	SF	\$1.205
R-30 unface fiber glass 16OC insulation	SF	\$1.085
R-38 unface fiber glass 16OC insulation	SF	\$1.305
2" Mineral Wool	SF	\$0.475
3" Mineral Wool	SF	\$0.805
4" Mineral Wool	SF	\$1.105
1-1/2" Rigid Insulation Scoreboard	SF	\$1.515
2" Rigid Insulation Scoreboard	SF	\$1.985
3" Rigid Insulation Scoreboard	SF	\$3.030
1-1/2" Rigid Insulation Poly	SF	\$1.995
2" Rigid Insulation Poly	SF	\$2.595
3" Rigid Insulation Poly	SF	\$3.775
CH 20-GA Drywall		
2-1/2" 20 GA CH metal studs	LF	\$1.600
2-1/2" 20 GA J-runner	LF	\$1.295
4" 20 GA CH Studs	LF	\$1.905
4" 20 GA J track/runner	LF	\$1.575
6" 20 GA CH Studs	LF	\$2.140
6" 20 GA J track/runner	LF	\$1.865
CH 33-GA Drywall		
2-1/2" 33 GA CH metal studs	LF	\$1.600
2-1/2" 33 GA J-runner	LF	\$1.295
4" 33 GA CH Studs	LF	\$1.905
4" 33 GA J track/runner	LF	\$1.575
6" 33 GA CH Studs	LF	\$2.140
6" 33 GA J track/runner	LF	\$1.865
20-GA Drywall		
1-1/2" X 1-1/2" 20-GA	LF	\$0.725
7/8" 20 GA Hat Channel	LF	\$0.705
1-5/8" 20 GA metal studs @ 16"OC	LF	\$0.465
1-5/8" 20 GA 1-1/4 leg Track	LF	\$0.460
1-5/8" 20 GA 2 leg Track	LF	\$0.600
2-1/2" 20 GA metal studs @ 16"OC	LF	\$0.585
2-1/2" 20 GA 1-1/4 leg Track	LF	\$0.580
2-1/2" 20 GA 2 leg Track	LF	\$0.745
3-5/8" 20 GA metal studs @ 16"OC-----	LF	\$0.725
3-5/8" 20 GA 1-1/4 leg Track	LF	\$0.720
3-5/8" 20 GA 2 leg Track-----SLOTTED	LF	\$1.805
4" 20 GA metal studs @ 16"OC	LF	\$0.775
4" 20 GA 1-1/4 leg Track	LF	\$0.770
4" 20 GA 2 leg Track-----SLOTTED	LF	\$1.920
6" 20 GA metal studs @ 16"OC	LF	\$1.015
6" 20 GA 1-1/4 leg Track	LF	\$1.100
6" 20 GA 2 leg Track-----SLOTTED	LF	\$2.295
8" 20 GA metal studs @ 16"OC-----	LF	\$2.385
8" 20 GA 1-1/4 leg Track	LF	\$2.105
8" 20 GA 2 leg Track-----SLOTTED	LF	\$2.905
33-GA Structural		
1-5/8" 33 GA CSJ metal studs @ 16"OC	LF	\$1.565

1-5/8" 33 GA CSJ 1-1/4 leg Track	LF	\$1.220
1-5/8" 33 GA CSJ 2 leg Track	LF	\$1.705
2-1/2" 33 GA CSJ metal studs @ 16"OC	LF	\$1.145
2-1/2" 33 GA CSJ 1-1/4 leg Track	LF	\$0.895
2-1/2" 33 GA CSJ 2 leg Track	LF	\$1.305
3-5/8" 33 GA CSJ metal studs @ 16"OC-----	LF	\$1.365
3-5/8" 33 GA CSJ 1-1/4 leg Track	LF	\$1.170
3-5/8" 33 GA CSJ 2 leg Track-----SLOTTED	LF	\$1.885
4" 33 GA CSJ metal studs @ 16"OC	LF	\$1.435
4" 33 GA CSJ 1-1/4 leg Track	LF	\$1.285
4" 33 GA CSJ 2 leg Track-----SLOTTED	LF	\$1.965
6" 33 GA CSJ metal studs @ 16"OC	LF	\$1.770
6" 33 GA CSJ 1-1/4 leg Track	LF	\$1.655
6" 33 GA CSJ 2 leg Track-----SLOTTED	LF	\$2.360
8" 33 GA CSJ metal studs @ 16"OC-----	LF	\$2.195
8" 33 GA CSJ 1-1/4 leg Track	LF	\$1.955
8" 33 GA CSJ 2 leg Track-----SLOTTED	LF	\$2.840
18-GA Metals		
2-1/2" 18GA metal studs @ 16"OC	LF	\$1.505
2-1/2" 18GA 1-1/4 leg Track	LF	\$1.195
2-1/2" 18GA 2" leg Track-----SLOTTED	LF	\$2.425
3-5/8" 18 CSJ metal studs @ 16"OC	LF	\$1.765
3-5/8" 18 CSJ t1-1/4 leg Track	LF	\$1.465
3-5/8" 18 CSJ 2 leg Track-----SLOTTED	LF	\$2.330
4" 18 CSJ metal studs @ 16"OC	LF	\$1.870
4" 18 CSJ t1-1/4 leg Track	LF	\$1.565
4" 18 CSJ 2 leg Track-----SLOTTED	LF	\$2.265
6" 18ga CSJ metal studs @ 16"OC-	LF	\$2.325
6" 18ga CSJ t1-1/4 leg Track-	LF	\$2.060
6" 18ga CSJ 2 leg Track -----slotted	LF	\$2.760
8" 18 GA metal studs @ 16"OC-----	LF	\$2.820
8" 18 GA 1-1/4 leg Track	LF	\$2.525
8" 18 GA 2 leg Track-----SLOTTED	LF	\$3.115
10" 18 GA metal studs @ 16"OC-----	LF	\$3.525
10" 18 GA 1-1/4 leg Track	LF	\$3.195
10" 18 GA 2 leg Track-----SLOTTED	LF	\$7.625
12" 18 GA metal studs @ 16"OC-----	LF	\$4.045
12" 18 GA 1-1/4 leg Track	LF	\$3.710
12" 18 GA 2 leg Track-----SLOTTED	LF	\$8.650
14" 18 GA metal studs @ 16"OC-----	LF	\$5.470
14" 18 GA 1-1/4 leg Track	LF	\$5.090
14" 18 GA 2 leg Track-----SLOTTED	LF	\$9.737
Z-channels 18ga 2"	LF	\$1.675
16-GA Metals		
1-1/2" X 1-1/2" metal angle 16ga	LF	\$1.005
2" X 2" metal angle 16ga	LF	\$1.305
3" X 3" metal angle 16ga	LF	\$1.995
1-1/2" X 1-1/2" metal angle 16ga	LF	\$0.965
2-1/2" 16GA metal studs @ 16"OC	LF	\$1.890
2-1/2" 16GA 1-1/4 leg Track	LF	\$1.505
2-1/2" 16GA 2" leg Track-----SLOTTED	LF	\$2.405
3-5/8" 16 CSJ metal studs @ 16"OC	LF	\$2.220
3-5/8" 16 CSJ t1-1/4 leg Track	LF	\$1.855
3-5/8" 16 CSJ 2 leg Track-----SLOTTED	LF	\$2.870
4" 16 CSJ metal studs @ 16"OC	LF	\$2.350

4" 16 CSJ t1-1/4 leg Track	LF	\$1.970
4" 16 CSJ 2 leg Track-----SLOTTED	LF	\$2.790
6" 16ga CSJ metal studs @ 16"OC-	LF	\$2.885
6" 16ga CSJ t1-1/4 leg Track-	LF	\$2.560
6" 16ga CSJ 2 leg Track -----slotted	LF	\$3.190
8" 16 GA metal studs @ 16"OC-----	LF	\$3.545
8" 16 GA 1-1/4 leg Track	LF	\$3.205
8" 16 GA 2 leg Track-----SLOTTED	LF	\$3.875
14-GA Metals		
6" 14ga CSJ metal studs @ 16"OC-	LF	\$3.320
6" 14ga CSJ t1-1/4 leg Track-	LF	\$2.885
6" 14ga CSJ 2 leg Track -----slotted	LF	\$4.590
8" 14 GA metal studs @ 16"OC-----	LF	\$4.015
8" 14 GA 1-1/4 leg Track	LF	\$3.585
8" 14 GA 2 leg Track-----SLOTTED	LF	\$5.445
Lumber		
2X4 pressure treated wood 12'-Long	SF	\$0.850
2X6 pressure treated wood 12'-Long	SF	\$1.540
2X8 pressure treated wood 12'-Long	SF	\$1.750
2X10 pressure treated wood 12'-Long	SF	\$3.130
2X12 pressure treated wood 12'-Long	SF	\$4.280
4x8 3/4" pressure treated plywood	SF	\$1.960
4x8 5/8" pressure treated plywood	SF	\$1.843
2X4 Fire rated	LF	\$0.910
2X6 Fire rated	LF	\$1.570
2X8 Fire rated	LF	\$1.950
2X10 Fire rated	LF	\$3.040
2X12 Fire rated	LF	\$4.875
4x8 5/8 fire rated plywood	SF	\$1.950
4x8 3/4 fire rated plywood	SF	\$2.120



Change Order Proposal

Project: Valle Crucis School

COR #: **33**

Date: **7/26/2023**

Description of Change: Changes per Revision 10 to doors.

			Subtotals
H&M Material:			
1. Total Cost of Materials (Attach Backup)		0.00	
2. Sales Tax	6.75%	0.00	
3. Overhead & Profit	15%	0.00	0.00
H&M Labor:			
4. Total Man Hour Cost (Attach Backup)		0.00	
5. Labor Burden (Enter Percentage)	41%	0.00	
6. Overhead & Profit	15%	0.00	0.00
H&M Equipment Rental:			
7. Equipment / Equipment Rental (Attach Backup)		0.00	
8. Overhead & Profit	15%	0.00	0.00
H&M Unit Prices:			
9. Unit Price (If Applicable)		0.00	0.00
H&M Subcontractors:			
10. Subcontractor (Attach Subcontractor Backup)		5,816.55	
11. Overhead & Profit (On Subcontractors)	10%	581.66	6,398.21
		Grand Subtotal =	6,398.21
13. P&P Bonds (On Grand Subtotal)	2%	127.96	
		Total of Proposal =	6,526.17

Time Extension Request: **0** Days
 Schedule Activity # Affected: _____ Does this effect the critical path? **No**

This Contractor agrees to perform the work outlined in this change proposal for the amount specified above

Eric Jones / VP _____

Date: _____

Owner/Architect _____

Date: _____

Cook and Boardman LLC

Change Order Proposal # 1

Project: Valle Crucis School

COR #: **TBD**

Date: **7/26/2023**

Description of Change:

			Subtotals
Material:			
1. Total Cost of Materials (Attach Backup)		<u>\$4,482.75</u>	
2. Sales Tax	6.75%	<u>\$60.55</u>	
3. Overhead & Profit	10%	<u>\$454.33</u>	\$4,997.63
Labor:			
4. Total Man Hour Cost (Attach Backup)		<u>\$0.00</u>	
5. Labor Burden (35% is Allowed)		<u>\$0.00</u>	
6. Overhead & Profit	10%	<u>\$0.00</u>	\$0.00
Equipment Rental:			
7. Equipment / Equipment Rental (Attach Backup)		<u>\$0.00</u>	
8. Overhead & Profit	10%	<u>\$0.00</u>	\$0.00
Unit Prices:			
9. Unit Price (If Applicable)		<u>\$0.00</u>	\$0.00
Subcontractors:			
10. Subcontractor (Attach Subcontractor Backup)		<u>\$750.00</u>	
11. Overhead & Profit (On Subcontractors)	10%	<u>\$75.00</u>	\$825.00
Grand Subtotal =			\$5,822.63
13. Bond If Required (On Grand Subtotal)	2%	<u>\$116.45</u>	
Total of Proposal =			\$5,939.08

Time Extension Request: **0** Days
 Schedule Activity # Affected: **0** Does this effect the critical path? **No**

This Contractor agrees to perform the work outlined in this change proposal for the amount specified above

Subcontractor Cook and boardman LLC

Date: 7/26/2023

Ferdinand Pinnock

From: Rudy Maze <greenvillemaze@yahoo.com>
Sent: Wednesday, July 26, 2023 10:52 AM
To: Ferdinand Pinnock
Subject: 240l

--External Email--

Price to install doors 240l is 750.00

[Sent from Yahoo Mail on Android](#)

Contemplated Change Order #1
Changes per revision 10

1	Double Egress Door #240L	Corridor 240 from Corridor 240			DELHR
1	Pair WD 3070 4 F EPCUF PSWB FINISHTBDS				1,260.00
1	DE1 16 CRS 534 DBL 6070 T3 LHR (45H; A18_MS-; H1; PREP_MUTES; S2; SR6)				897.00
6	Hinges	T4A3786 4 1/2 X 4 1/2 NRP	10BE	MC	170.10
2	Exit Device	NB 8710 F 84"	LHR 10BE	SA	1,940.98
2	Closer	PR7500H SN-134	613E	NO	515.82
2	Protection Plate	K1050 10" x 34"	10BE	RO	136.14
2	Wall Stop	406	10BE	RO	10.78
2	Door Silencer	608-RKW	GREY	RO	0.20
Opening Total:					4,931.02

Section Totals

08 11 13 Hollow Metal Doors & Frames	897.00
08 14 16 Flush Wood Doors	1,260.00
08 71 11 Finish Hardware	2,774.00
Installation	825.00
Pre-Tax Total:	5,756.00

Taxes

10193	NC-Watauga County	17.94
10202	NC-NORTH CAROLINA STATE TAX 4.75%	42.61
Tax Total:		60.55
Grand Total:		5,816.55



Change Order Proposal

Project: Valle Crucis School

COR #: **35**

Date: **8/2/2023**

Description of Change: Changes to plumbing due to Revision 12

			Subtotals
H&M Material:			
1. Total Cost of Materials (Attach Backup)		0.00	
2. Sales Tax	6.75%	0.00	
3. Overhead & Profit	15%	0.00	0.00
H&M Labor:			
4. Total Man Hour Cost (Attach Backup)		0.00	
5. Labor Burden (Enter Percentage)	41%	0.00	
6. Overhead & Profit	15%	0.00	0.00
H&M Equipment Rental:			
7. Equipment / Equipment Rental (Attach Backup)		0.00	
8. Overhead & Profit	15%	0.00	0.00
H&M Unit Prices:			
9. Unit Price (If Applicable)		0.00	0.00
H&M Subcontractors:			
10. Subcontractor (Attach Subcontractor Backup)		15,770.00	
11. Overhead & Profit (On Subcontractors)	10%	1,577.00	17,347.00
		Grand Subtotal =	17,347.00
13. P&P Bonds (On Grand Subtotal)	2%	346.94	
		Total of Proposal =	17,693.94

Time Extension Request: **0** Days
 Schedule Activity # Affected: _____ Does this effect the critical path? **Yes**

This Contractor agrees to perform the work outlined in this change proposal for the amount specified above

Eric Jones / VP _____ Date: _____
 Owner/Architect _____ Date: _____



August 21, 2023 Revised

H&M Contractors
PO Box 16589
Asheville NC 28816

Attention: Eric Jones

**Reference : Valle Crucis School
Plumbing Change REVISION #12**

Dear Eric

The following change order is for the additional materials, labor, equipment and tools required to revise the plumbing per Revision #12

Scope

This scope includes all work associated with the plumbing on the following revised sheets
PL101 (no cost change) , PP101, PF101, P404, P405 , P406 and P705 (no cost change)

Total amount of revisions #12 (based on new labor rate) \$15,770 00

If you have any questions, please do not hesitate to contact our office

Sincerely,

Jeannie Hargis
Project Manager

Bolton Construction and Service of WNC, Inc.

If you accept the above Change Order Request, please sign/date and return.

Signature _____ Date: _____

Subcontractor Name

Change Order Proposal

Project. Valle Crucis School

COR #

Date

PLUMBING REVISION #12 - REVISED

			Subtotals
Material			
1 Total Cost of Materials (Attach Backup)		<u>\$6,562.59</u>	
2 Sales Tax	7.00%	<u>\$459.38</u>	
3 Overhead & Profit	10%	<u>\$702.20</u>	\$7,724.17
Labor			
4 Total Man Hour Cost (Attach Backup)		<u>\$4,255.80</u>	
5 Labor Burden (35% is Allowed)	35%	<u>\$1,489.53</u>	
6 Overhead & Profit	10%	<u>\$574.53</u>	\$6,319.86
Equipment Rental			
7 Equipment / Equipment Rental (Attach Backup)		<u>\$0.00</u>	
8 Overhead & Profit	10%	<u>\$0.00</u>	\$0.00
Unit Prices			
9 Unit Price (If Applicable)		<u>\$0.00</u>	\$0.00
Subcontractors			
10 Subcontractor (Attach Subcontractor Backup)		<u>\$1,569.00</u>	
11 Overhead & Profit (On Subcontractors)	10%	<u>\$156.90</u>	\$1,725.90
Grand Subtotal =			\$15,769.93
13 Bond If Required (On Grand Subtotal)	0%	<u>\$0.00</u>	
Total of Proposal			\$15,770.00

Time Extension Request: Days

Schedule Activity # Affected: Does this effect the critical path?

This Contractor agrees to perform the work outlined in this change proposal for the amount specified above

Subcontractor _____

Date _____

Bolton Construction & Service Of WNC, Inc				Job Name	Valle Crucis School		
Change Description				Job Number	630076		
REVISION 12 AREA C SHEET P-404 P405 & P406 & AREA A Sheet PL101, PP101& PF101				Date	REVISED 8/21/23		
MATERIAL				LABOR			
QTY	DESCRIPTION	UNIT	TOTAL	MAN HRS	DESCRIPTION	RATE	LABOR COST
AREA C							
	Underground Waste P404			86.5	2 MEN	\$49.20	\$4,255.80
1	2" PVC Wye				<i>Revised Labor Rate</i>		\$0.00
1	2" PVC 45						\$0.00
1	2" PVC Sweep						\$0.00
10	ft 2" PVC DWV PIPE						\$0.00
	Above Waste/Vent P405						\$0.00
1	SK 1 Sink						\$0.00
10	ft 2" No Hub Pipe Vert						\$0.00
1	2x1 1/2" NH Tap Tee						\$0.00
1	2" NH 90						\$0.00
10	ft 2" No Hub Pipe - horiz						\$0.00
	Water Piping P406						\$0.00
1	3x1/2" Propress Tee						\$0.00
1	2 x 1/2" Propress Tee						\$0.00
15	ft 1/2" L Copper Hort						\$0.00
15	ft 1/2" L Copper Vert						\$0.00
	AREA A						\$0.00
	PL101 Roof Drainage N/C						\$0.00
1	PL101 Washer Box						\$0.00
	PP101 Water Piping						\$0.00
1	3/4" x 1/2" Propress Tee						\$0.00
1	2 x 1/2" Propress Tee						\$0.00
2	1/2" PP Ball Valves						\$0.00
40	ft 1/2" L Copper Pipe - Horiz						\$0.00
20	ft 1/2" L Copper Pipe- Vert						\$0.00
6	1/2" PP Tee						\$0.00
1	HR-1 Hose Reel						\$0.00
1	MV-4 MIXING VALVE						\$0.00
2	2 X 3/4" PP Tee						\$0.00
2	3/4" Propress Ball Valves						\$0.00
8	3/4" PP Ells						\$0.00
							\$0.00
							\$0.00
MATERIAL SUBTOTAL			\$6,562.59	LABOR SUBTOTAL			\$4,255.80

SEE QUOTE -
HAJOCAL, INC



040 HAJOCA ASHEVILLE
132 SWANNANOA RIVER RD
ASHEVILLE NC 28805-2215
828-254-6111 Fax 828-253-2996

QUOTE DATE	QUOTE NUMBER
07/28/23	S031829999
QUOTED BY	PAGE NO.
040 HAJOCA ASHEVILLE 132 SWANNANOA RIVER RD ASHEVILLE NC 28805-2215 828-254 6111 Fax 828-253 2996	1 of 2

Printed 12 21 26 01 AUG 2023

QUOTE TO
 WE BOLTON CONST & SERVICES INC.
 P.O. BOX 8609
 ASHEVILLE, NC 28814

SHIP TO
 VALLE CRUCIS SCHOOL
 2736 BROADSTONE ROAD
 BANNER ELK, NC 28604-9044

828-253-3621

QUOTED FOR	CUSTOMER PURCHASE ORDER NUMBER	CUSTOMER RELEASE NUMBER	SALES PERSON	
			Jeff Church	
QUOTED FOR	SHIP TO	TERMS	EXPIRATION DATE	FREIGHT ALLOWED
Jeff Church	OT OUR TRUCK	2% 10TH PROX NET 25TH	09/11/23	Yes
QUOTE QTY	OUR PART#	DESCRIPTION	OUR PRICE	EXT. PRICE
1ea	5231	2 HXHXH PVC DWV WYE	3 630/ea	3.63
1ea	5195	2 HXH PVC DWV 45 ELBOW	1 643/ea	1.64
1ea	5191	2 HXH PVC DWV LT 90 ELBOW	2 980/ea	2.98
10ft	66646	2X10 SCH40 PVC PE PLAS PIPE	0 886/ft	8.86
1ea	3890	2X10 CI NH SOIL PIPE	91 706/ea	91.71
1ea	3955	2X11/2 CI NH SAN TEE	9 826/ea	9.83
1ea	3897	2 CI NH 1/4 BEND 90 ELBOW	13 545/ea	13.54
1ea	3890	2X10 CI NH SOIL PIPE	91 706/ea	91.71
1ea	1194265	VIEGA 0918XL 20759 3X3X1/2 PXPXP PROGRESS COP TEE LEAD FREE	212 569/ea	212.57
1ea	379274	VIEGA 2918 15538 2X2X1/2 PXPXP PROGRESS COP TEE LEAD FREE	58.700/ea	58.70
20ft	2264	1/2X20 L HARD COPPER TUBE	2.218/ft	44.36
10ft	65730	1/2X10 L HARD COPPER TUBE	2.218/ft	22.18
1ea	5238	6 HXHXH PVC DWV WYE	53.964/ea	53.96
1ea	1746899	SPEARS P706X-060 6" PVC-DWV P-TRAP	217 234/ea	217.23
1ea	6729	6X4 HXH PVC DWV RED CPLG	29.755/ea	29.75
1ea	5251	4X2 HXHXH PVC DWV COMBO WYE & 1/8 BEND	13 892/ea	13.89
10ft	66646	2X10 SCH40 PVC PE PLAS PIPE	0.886/ft	8.86
1ea	5191	2 HXH PVC DWV LT 90 ELBOW	2.980/ea	2.98
1ea	431547	NIB PC611 3/4X3/4X1/2 PRESS TEE	4.679/ea	4.68
1ea	379274	VIEGA 2918 15538 2X2X1/2 PXPXP PROGRESS COP TEE LEAD FREE	58.700/ea	58.70
2ea	1290454	AYM 5426115 72028PF 1/2 FULL PORT PRESS FIT BALL VLV LEAD FREE	22 430/ea	44.86
40ft	2264	1/2X20 L HARD COPPER TUBE	2 275/ft	90.99
6ea	431533	NIB PC607 1/2 PRESSXPRESS 90 ELBOW	1.956/ea	11.74
2ea	70270	VIEGA 2918 94777 2X2X3/4 PXPXP PROGRESS COP TEE LEAD FREE	49.628/ea	99.26
2ea	1290458	AYM 5426116 72028PF 3/4 FULL PORT	26 400/ea	52.80

*** Continued on Next Page ***

** Reprint ** Reprint ** Reprint **



**040 HAJOCA ASHEVILLE
132 SWANNANOA RIVER RD
ASHEVILLE NC 28805-2215
828-254-6111 Fax 828-253-2996**

QUOTE DATE	QUOTE NUMBER
07/28/23	S031829999
QUOTED BY	PAGE NO.
040 HAJOCA ASHEVILLE 132 SWANNANOA RIVER RD ASHEVILLE NC 28805-2215 828-254 6111 Fax 828-253 2996	2 of 2

Printed 12 21 26 01 AUG 2023

QUOTE TO
WE BOLTON CONST & SERVICES INC.
P.O BOX 8609
ASHEVILLE, NC 28814

SHIP TO
VALLE CRUCIS SCHOOL
2736 BROADSTONE ROAD
BANNER ELK, NC 28604-9044

828-253-3621

QUOTED TO	CUSTOMER PURCHASE ORDER NUMBER	CUSTOMER RELEASE NUMBER	SALES PERSON
Jeff Church			Jeff Church
QUOTED BY	QUOTE DATE	TERMS	EXPIRATION DATE
Jeff Church	07/28/23	2% 10TH PROX NET 25TH	09/11/23
QUANTITY	OUR PRICE	DESCRIPTION	NET PRC
8ea	431534	PRESS FIT BALL VLV LEAD FREE	
20ft	2265	NIB PC607 3/4 PRESSXPRESS 90 ELBOW	3.228/ea 25.82
4ea	1174242	3/4X20 L HARD COPPER TUBE	3.633/ft 72.65
1ea	1180756	MAINLINE ML2HDNHC 2 SS HVY DUTY NH CPLG	4.560/ea 18.24
2ea	5222	MAINLINE ML112HDNHC 11/2 SS HVY DUTY NH CPLG	4.153/ea 4.15
2ea	5226	2 HXH PVC DWV CPLG	0.722/ea 1.44
2ea	5229	4 HXH PVC DWV CPLG	4.545/ea 9.09
1ea	431478	6 HXH PVC DWV CPLG	15.254/ea 30.51
1ea	431479	NIB PC600-DS 1/2 PRESSXPRESS CPLG	1.796/ea 1.80
1ea	1075571	NIB PC600-DS 3/4 PRESSXPRESS CPLG	2.719/ea 2.72
1ea	1077303	MAINLINE ML11166 QT CLR PVC HVY BODY CEMENT	13.010/ea 13.01
1ea	3331	MAINLINE ML11245 QT PURPLE PVC/CPVC PRIMER / CONDITIONER LOW-VOC	14.030/ea 14.03
6ea	3332	ANVIL 260 2 GALV STEEL ADJ CLEVIS HGR	2.205/ea 2.20
4ea	3333	ANVIL 260 21/2 GALV STEEL ADJ CLEVIS HGR	3.591/ea 21.55
1ea	12518	ANVIL 260 3 GALV STEEL ADJ CLEVIS HGR	4.260/ea 17.04
4ea	25445	ANV 261 2 GALV STEEL RISER CLAMP	5.152/ea 5.15
12ea	5548	ANV CT121 1/2 COP TUBE RISER CLAMP	5.102/ea 20.41
40ft	2244924	ANV 92 3/8 GALV TOP BEAM CLAMP	1.744/ea 20.92
1ea	406091	HYDRAPRO ATR263G3810 3/8X10 PLT ALL THREAD ROD	0.415/ft 16.61
1ea	1684183	MET JN165 3/8 STL HEX NUTS(100)	6.619/ea 6.62
		MET JWW82 3/8 USS FLAT WASHER STEEL ZIN	9.230/ea 9.23
TAXES NOT INCLUDED			
			Subtotal
			1564.60
			Bid Total
			1564.60

Prices contained in this quote are the prices in effect at the time of quotation and are subject to change at any time. We are not responsible for inaccurate quantity descriptions. Quantities should be checked against plans and specifications for accuracy. Special order material is non cancellable. We are not responsible for delays not within our control.



Quotation

040 HAJOCA ASHEVILLE
132 SWANNANOVA RIVER RD
ASHEVILLE NC 28805-2215
828-254-6111 Fax 828-253-2996

QUOTE DATE	QUOTE NUMBER
07/31/23	S031838009
QUOTED BY	PAGE NO
040 HAJOCA ASHEVILLE 132 SWANNANOVA RIVER RD ASHEVILLE NC 28805 2215 828 254 6111 Fax 828-253 2996	1 of 2

Printed 14 49 33 31 JUL 2023

QUOTE TO
 WE BOLTON CONST & SERVICES INC
 P.O BOX 8609
 ASHEVILLE, NC 28814

SHIP TO
 VALLE CRUCIS SCHOOL
 2736 BROADSTONE ROAD
 BANNER ELK, NC 28604-9044

828-253-3621

QUOTED EDR	CUSTOMER PURCHASE ORDER NUMBER	CUSTOMER RELEASE NUMBER	SALES PERSON	
JEANNIE	REVISION 12	REVISION 12	Jeff Church	
QUOTE	SOUP	TERMS	EXPIRATION DATE	PAYMENT ALLOWED
Jeff Church	OT OUR TRUCK	2% 10TH PROX NET 25TH	09/14/23	Yes
DATE QTY	PO PART#	DESCRIPTION	NET PPS	EST PPS
		* * ** SK-1 ** * *		
1ea	910617	KOHLER K-3822-1-NA BR FINISH 18 GA SS VAULT 25X22X9 (SR) 23X17X9 (UM) 1H SR OR UM SGL BOWL KITCHEN SINK	1152 950/ea	1152 95
1ea	1957938	SLOAN 3335162 EAF750-ISM-BAT-CP-0 35-GPM-MLM-FCT OPTIMA POL CHROME 0.35 GPM 1H DM TOUCHLESS SENSOR FCT	0 000/ea	0 00
1ea	1477453	MCGUIRE 151AM STRAINER BSKT SS LOCKCUP STICK POST RUB STOP W/17 GA 4 TLPC	0 000/ea	0 00
1ea	1605701	CHICAGO 131-CFMABRCF MIXING VLV	0 000/ea	0 00
1ea	1059467	T&S BRASS 016419-25 3/8 FIPXMIP COMP CHECK VLV ASSY	0 000/ea	0 00
1ea	1114262	MCGUIRE MCT150090B 11/2 11/4X11/2 TUBULAR P-TRAP W/ CO BRASS NUTS BOX FLANGE	0 000/ea	0 00
1ea	1207901	MCGUIRE LF170LK SUPPLY FLEX LAV CHROME LK 1/2 SWT W/5 X 3/8OD LEAD FREE	0.000/ea	0 00
1ea	1017492	MAINLINE ML102EZ WHT LAV-GUARD TRAP & SUPPLY COVER F/ TUBULAR P-TRAP 2-ANGLE STOP & 2-SUPPLY ADA APPROVED * * ** HR-1 **	0 000/ea	0 00

*** Continued on Next Page ***



Quotation

040 HAJOCA ASHEVILLE
132 SWANNANOVA RIVER RD
ASHEVILLE NC 28805-2215
828-254-6111 Fax 828-253-2996

QUOTE DATE	QUOTE NUMBER
07/31/23	S031838009
QUOTED BY	PAGE NO
040 HAJOCA ASHEVILLE 132 SWANNANOVA RIVER RD ASHEVILLE NC 28805-2215 828-254 611 Fax 828-253 2996	2 of 2

Printed 14 49 33 31 JUL 2023

QUOTE TO
 WE BOLTON CONST & SERVICES INC
 P.O BOX 8609
 ASHEVILLE, NC 28814

SHIP TO
 VALLE CRUCIS SCHOOL
 2736 BROADSTONE ROAD
 BANNER ELK, NC 28604-9044

828-253-3621

QUOTED FOR	CUSTOMER PURCHASE ORDER NUMBER	CUSTOMER RELEASE NUMBER	SALES PERSON	
JEANNIE	REVISION 12	REVISION 12	Jeff Church	
WRITER	SHIP VIA	TERMS	EXPIRATION DATE	FREIGHT ALLOWED
Jeff Church	OT OUR TRUCK	2% 10TH PROX NET 25TH	09/14/23	Yes
QUOTE QTY	OUR PART #	DESCRIPTION	UNIT PRICE	EXT. PRICE
1ea	2424276	* * T&S B-7143-01 HOSE REEL	1341 772/ea	1341 77
1ea	1177285	WATTS LFMMVM1-UT 0559116 1/2 DBL THRD UNION BRONZE THERM MIXING VLV LEAD FREE	109.584/ea	109 58
		* * ** WMB ON PL-101 ** * *		
1ea	1264990	GUY GRAY 82327-SSWB SS WASHER BOX	488 031/ea	488 03
		* * ** FS-1 ** * *		
1ea	2216914	ZURN Z1752-K-3-4NL	1905 660/ea	1905 66
TAXES NOT INCLUDED				
			Subtotal	4997.99
			Bid Total	4997.99

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KIRBY- CUNDIFF INSULATION

Established 1986

PO Box 19345 Roanoke VA 24019
263 Industrial Drive Hollins VA 24019

Cont. Lic. No. 2701-029433A
KVI SWAM #: 656 816

ph. (540) 992-3960
fax (540) 992-4796

Date: 7/31/23

To: Bolton

Reference: Valle Crucis School

Attn: Jeannie Hargis

We propose to provide insulation per plans and specifications for the sum of \$73,591 00

Furnishing labor and material needed to insulate Plumbing System as shown on drawings (dated 8/8/22) prepared by Clark Nexsen Engineers as follows.

- Domestic Cold Water Pipe – 1 thick Fiberglass ASJ
- Hot/Return Water Pipe – 1 thick Fiberglass ASJ up to 1 ¼ pipe 1 ½ thick Fiberglass ASJ on larger pipe
- Roof/Overflow Drain Pipe (Horizontal & Vertical) – 1 thick Fiberglass ASJ
- *Aluminum Jacket on Exposed Pipe up to 6' AFF
- 5W 120V Heat Tape and thermostats on piping noted on PP101

Add for Revision 11

\$919 00

Add for Revision 12.

\$1 569 00

We do not include painting marking duct liner heat tape, removing existing insulation or fire stop.

All surfaces that require insulation must be free of debris including fire proofing Penetrations must be sized to allow for insulation where required We do not make allowance for wage scale We do not make allowance for use of grooved couplings.

Thank you for allowing us to submit this proposal Please let us know if we can do this work for you

Very truly

Daniel Hargis
Estimator / Project Manager
dhargis@kcfsv.com



Insulation • Firestopping • Heat Tracing • Abatement & Demolition • Concrete Sawing & Coring
Scaffolding • Safety Supply • Duct Cleaning



LABOR #12

Bolton Construction and Service of WNC, Inc

ItemCode	Description	Quantity	Trade Code	UM	MH/Unit	Tot.Hours	Lab.Total
5030 000 Subcontracts							
15000 300	INSULATION	1 00	PLBG	LUMP			
* Total 5030 000 Subcontracts							
→ P404 UG AREA C UG WASTE							
15075 120	PIPE VOLUME	1 73	PLBG	GALS			
15075 125	PVC SOLVENT	0 08	PLBG	PINT			
15145.485	PVC PIPE			****			
15146 154	SCH 40 PVC-DWV SOL CEMENT			****			
15146 157	PIPE 2	10 00	PLBG	LNFT	0 06	0 60	33 56
15146 186	SCH 40 DWV FITTINGS			****			
15146.189	1/8 BEND 2"	1 00	PLBG	EACH	0 26	0 26	14 54
15146.211	1/4 LONGSWEEP BEND 2"	1 00	PLBG	EACH	0 26	0 26	14 54
15146 249	SINGLE WYE 2'	1 00	PLBG	EACH	0 38	0 38	21 26
15146 309	COUPLING 2'	0 48	PLBG	EACH			
15149 960	EXCAVATE BACKHOE	2 87	OPER	CUYD	0 65	1 87	104 34
15149 980	COMPACTED BACKFILL	2 86	OPER	CUYD	1 00	2 86	160 07
* Total P404 UG AREA C UG WASTE						6.23	348 31
→ P405 AG AREA C ABOVE GROUND							
15060 010	PIPE HANGERS GALVANIZED STEEL		PLBG	****			
15060 011	W/3' Plated ROD & C-CLAMP		PLBG	****			
15060 017	CLEVIS 2'	1 00	PLBG	EACH	0 93	0 93	52 02
15060 142	RISER CLAMP,2'	0 83	PLBG	EACH	0 27	0 23	12 59
15062 112	ATR,PLATED 3/8'	3 00		LNFT			
15062.302	BLK. TOP BEAM CLAMP 3/8'	1 00		EACH			
15062.412	PLATED STEEL NUT 3/8"	3 00		EACH			
15062 512	PLATED STEEL WASHER, 3/8"	2 00		EACH			
15075 100	PIPE DATA			****			
15075.115	HYDROSTATIC TEST	20 00	PLBG	LNFT	0 03	0 60	33 56
15075 120	PIPE VOLUME	0 10	PLBG	GALS			
15147 966	CAST IRON PIPE			****			
15148 300	SVC NO-HUB LESS COUPLINGS			****			
15148 302	PIPE,2	20 00	PLBG	LNFT	0 12	2 40	134.26
15148.318	SVC WEIGHT NO-HUB FITTING			****			
15148.337	1/4 BEND 2"	1 00	PLBG	EACH	0 41	0 41	22 94
15148 370	DOUBLE SAN TEE 2"	1 00	PLBG	EACH	0 72	0 72	40 28
15148.446	COUPLING,2'	7 00	PLBG	EACH			
15410 028	SK1 SINK	1 00	PLBG	EA	8 00	8 00	447 52
* Total P405 AG AREA C ABOVE GROUND						13 29	743 16
→ P406 AREA C AG WATER							
15060 010	PIPE HANGERS GALVANIZED STEEL		PLBG	****			
15060 011	W/3' Plated ROD & C-CLAMP		PLBG	****			
15060 018	CLEVIS 2-1/2'	2 00	PLBG	EACH	0 93	1 86	104 05
15060 350	PIPE HANGERS COPPER PLATED		PLBG	****			
15060 425	HANGERS PVC COATED		PLBG	****			
15060 496	RISER CLAMP 1/2"	1 67	PLBG	EACH	0 27	0 45	25 17



LABOR #12

Bolton Construction and Service of WNC, Inc

ItemCode	Description	Quantity	Trade Code	UM	MH/Unit	Tot.Hours	Lab.Total
Area C P-406 (continue)							
15060 772	INSULATION SHIELD,2 1/2'	2 00	PLBG	EACH	0 23	0 46	25 73
15062 112	ATR PLATED 3/8	6 00		LNFT			
15062 302	BLK. TOP BEAM CLAMP 3/8	2 00		EACH			
15062 412	PLATED STEEL NUT 3/8	6 00		EACH			
15062 512	PLATED STEEL WASHER 3/8'	4 00		EACH			
15075 100	PIPE DATA			****			
15075 115	HYDROSTATIC TEST	30 00	PLBG	LNFT	0 03	0 90	50 35
15075 120	PIPE VOLUME	0 54	PLBG	GALS			
15080 000	FIBERGLASS INSULATION			INSL			
15080 243	ASJ 1 THICK			INSL			
15080 244	PIPE 1/2	10 00	INSL	LNFT			
15080 363	ASJ 1 1/2 THICK			INSL			
15080 364	PIPE 1/2'	20 00	INSL	LNFT			
15080.399	FITTINGS 2'	1 00	INSL	EACH			
15080 401	FITTINGS 3	1 00	INSL	EACH			
15144 033	COPPER PIPE			****			
15144 058	TYPE L HARD		PLBG	****			
15144 061	PIPE 1/2"	30 00	PLBG	LNFT	0 06	1 80	100 69
15144 144	COPPER FITTINGS			****			
15144 227	RED TEE 2'	1 00	PLBG	EACH	1 17	1 17	65 45
15144.229	RED TEE 3	1 00	PLBG	EACH	2 30	2 30	128 66
15144 278	COUPLING 1/2'	1 43	PLBG	EACH	0.41	0 59	32 76
* Total P406 AREA C AG WATER						9.53	532.87
→ PF101 UG UG KITCHEN							
15075 120	PIPE VOLUME	20 26	PLBG	GALS			
15075 125	PVC SOLVENT	0 29	PLBG	PINT			
15145 485	PVC PIPE			****			
15146 154	SCH 40 PVC-DWV SOL CEMENT			****			
15146 158	PIPE 3'	10 00	PLBG	LNFT	0 07	0 70	39 16
15146 160	PIPE 6"	10 00	PLBG	LNFT	0 12	1 20	67 13
15146 186	SCH 40 DWV FITTINGS			****			
15146 212	1/4 LONGSWEEP BEND 3"	1 00	PLBG	EACH	0.45	0 45	25 17
15146 252	SINGLE WYE 6'	1 00	PLBG	EACH	1 24	1 24	69 37
15146 281	SINGLE WYE & 1/8 4	1 00	PLBG	EACH	0 75	0 75	41 96
15146 310	COUPLING 3"	0 48	PLBG	EACH			
15146 312	COUPLING 6"	0 48	PLBG	EACH			
15146 317	Reducer 6x4	1 00	PLBG	EACH	0 69	0 69	38 60
15146.330	PVC-DWV P-Trap 6	1 00	PLBG	EACH	0 89	0 89	49 79
15149 960	EXCAVATE BACKHOE	5 29	OPER	CUYD	0 65	3 44	192 51
15149 980	COMPACTED BACKFILL	5.20	OPER	CUYD	1 00	5 20	291 09
15410 026	FS1 FLOOR SINK 4	1 00	PLBG	EACH	3 00	3 00	167 82
* Total PF101 UG UG KITCHEN						17.57	982 59
→ PL101 AREA A							
15410 015	WASHER BOX	1 00	PLBG	EACH	3 00	3 00	167 82
* Total PL101 AREA A						3.00	167 82

LABOR

Bolton Construction and Service of WNC Inc

ItemCode	Description	Quantity	Trade Code	UM	MH/Unit	Tot.Hours	Lab.Total
PP101 WATER PROGRESS WATER PIPING							
15060 010	PIPE HANGERS GALVANIZED STEEL		PLBG	****			
15060 011	W/3' Plated ROD & C-CLAMP		PLBG	****			
15060 018	CLEVIS 2 1/2	4.00	PLBG	EACH	0 93	3 72	208 10
15060 019	CLEVIS 3	4 00	PLBG	EACH	0 93	3 72	208 10
15060 350	PIPE HANGERS COPPER PLATED		PLBG	****			
15060 425	HANGERS PVC COATED		PLBG	****			
15060 496	RISER CLAMP 1/2'	1 67	PLBG	EACH	0 27	0 45	25 17
15060 772	INSULATION SHIELD,2 1/2'	8 00	PLBG	EACH	0 23	1 84	102 93
15060 773	INSULATION SHIELD,3	4.00	PLBG	EACH	0 23	0 92	51 46
15062 112	ATR PLATED 3/8'	24 00		LNFT			
15062 302	BLK. TOP BEAM CLAMP 3/8"	8 00		EACH			
15062 412	PLATED STEEL NUT 3/8'	24 00		EACH			
15062 512	PLATED STEEL WASHER 3/8'	16 00		EACH			
15075 100	PIPE DATA			****			
15075 115	HYDROSTATIC TEST	60.00	PLBG	LNFT	0 03	1 80	100 69
15075 120	PIPE VOLUME	0 89	PLBG	GALS			
15080 000	FIBERGLASS INSULATION		INSL	****			
15080.243	ASJ 1 THICK		INSL	****			
15080 244	PIPE 1/2	40 00	INSL	LNFT			
15080 245	PIPE 3/4	20 00	INSL	LNFT			
15080 274	FITTINGS 1/2	9 00	INSL	EACH			
15080 275	FITTINGS 3/4	9 00	INSL	EACH			
15080 334	VALVES 1/2	2 00	INSL	EACH			
15080.335	VALVES 3/4	2 00	INSL	EACH			
15110 100	BRONZE VALVES			****			
15110 203	BALL, SWEAT Full Port 2 Piece			****			
15110 205	600 psi Lead Free 1/2' Nibco S585-80-	2 00	PLBG	EACH	0 54	1 08	60 42
15110 206	600 psi Lead Free 3/4 Nibco S585-80-	2 00	PLBG	EACH	0 69	1 38	77 20
15144 033	COPPER PIPE			****			
15144 058	TYPE L HARD		PLBG	****			
15144 061	PIPE 1/2	40 00	PLBG	LNFT	0 06	2 40	134.26
15144 063	PIPE 3/4	20 00	PLBG	LNFT	0 06	1 20	67 13
15144 144	COPPER FITTINGS			****			
15144 145	95/5 SOLDER			****			
15144 171	90 DEG COPPER ELBOW SR 1/2'	6 00	PLBG	EACH	0 41	2 46	137 61
15144 173	90 ELL 3/4 short radius	8 00	PLBG	EACH	0 54	4 32	241 66
15144 221	RED TEE 1/2	3 00	PLBG	EACH	0 54	1 62	90 62
15144 223	RED TEE 3/4	1 00	PLBG	EACH	0 69	0 69	38 60
15144 278	COUPLING 1/2'	1 90	PLBG	EACH	0.41	0 78	43 69
15144 280	COUPLING 3/4	0 95	PLBG	EACH	0 54	0 51	28.77
15410 012	HR 1 HOSE REEL	1 00	PLBG	EACH	6 00	6.00	335 64
15410 013	MIXING VALVE MV4	1 00	PLBG	EACH	2 00	2 00	111 88
* Total PP101 WATER PROGRESS WATER PI						36.90	2,063.92
Total Direct Cost						86.50	4 838 68

LABOR



Change Order Proposal

Project: Valle Crucis School

COR #: **39**

Date: **8/16/2023**

Description of Change: Install a drip pan for roof drainage piping in electrical room 157 area C per RFI 81

			Subtotals
H&M Material:			
1. Total Cost of Materials (Attach Backup)		0.00	
2. Sales Tax	6.75%	0.00	
3. Overhead & Profit	15%	0.00	0.00
H&M Labor:			
4. Total Man Hour Cost (Attach Backup)		0.00	
5. Labor Burden (Enter Percentage)	41%	0.00	
6. Overhead & Profit	15%	0.00	0.00
H&M Equipment Rental:			
7. Equipment / Equipment Rental (Attach Backup)		0.00	
8. Overhead & Profit	15%	0.00	0.00
H&M Unit Prices:			
9. Unit Price (If Applicable)		0.00	0.00
H&M Subcontractors:			
10. Subcontractor (Attach Subcontractor Backup)		784.04	
11. Overhead & Profit (On Subcontractors)	10%	78.40	862.44
		Grand Subtotal =	862.44
13. P&P Bonds (On Grand Subtotal)	2%	17.25	
		Total of Proposal =	879.69

Time Extension Request: **0** Days
 Schedule Activity # Affected: _____ Does this effect the critical path? **No**

This Contractor agrees to perform the work outlined in this change proposal for the amount specified above

Eric Jones / VP _____ Date: _____
 Owner/Architect _____ Date: _____

Subcontractor Name

Change Order Proposal

Project. Valle Crucis School
Install Drip pan above electrical Panel

COR #:

Date:

Description of Change:

			Subtotals
Material			
1 Total Cost of Materials (Attach Backup)		\$169 54	
2 Sales Tax	7 00%	\$11 87	
3 Overhead & Profit	10%	\$18 14	\$199 55
Labor			
4. Total Man Hour Cost (Attach Backup)		\$393 60	
5 Labor Burden (35% is Allowed)	35%	\$137 76	
6 Overhead & Profit	10%	\$53 14	\$584.50
Equipment Rental			
7 Equipment / Equipment Rental (Attach Backup)		\$0.00	
8 Overhead & Profit	10%	\$0 00	\$0.00
Unit Prices			
9 Unit Price (If Applicable)		\$0 00	\$0.00
Subcontractors			
10 Subcontractor (Attach Subcontractor Backup)		\$0.00	
11 Overhead & Profit (On Subcontractors)	10%	\$0 00	\$0.00
Grand Subtotal =			\$784.04
13 Bond If Required (On Grand Subtotal)	0%	\$0 00	
Total of Proposal =			\$784.04

Time Extension Request **Days**
Schedule Activity # Affected **Does this effect the critical path?**

This Contractor agrees to perform the work outlined in this change proposal for the amount specified above

Subcontractor _____

Date _____

EQUIPMENT RENTAL				SUBCONTRACTS		
QTY	DESCRIPTION	RATE	TOTAL	DESCRIPTION	COST	
			\$0 00			\$0 00
			\$0 00			\$0 00
			\$0 00			\$0 00
			\$0 00			\$0 00
			\$0 00			\$0 00
			\$0 00			\$0 00
			\$0 00			\$0 00
			\$0 00			\$0 00
			\$0 00			\$0 00
			\$0 00			\$0 00
			\$0 00			\$0 00
			\$0 00			\$0 00
			\$0 00			\$0 00
			\$0 00			\$0 00
EQUIPMENT SUBTOTAL			\$0.00	SUBCONTRACT SUBTOTAL		\$0.00
TAXES, OVERHEAD, AND PROFIT MARKUP						
MATERIAL				EQUIPMENT RENTAL		
MATERIAL SUBTOTAL			\$169.54	EQUIPMENT SUBTOTAL		\$0 00
	<u>DESC.</u>	<u>PERCENT</u>	<u>TOTAL</u>	<u>DESC.</u>	<u>PERCENT</u>	<u>TOTAL</u>
	SALES TAX	7.0%	\$11.87	OVERHEAD & PROFIT	10%	\$0 00
	OVERHEAD & PROFIT	10%	\$18.14			
TOTAL MATERIAL			\$199.55	TOTAL RENTAL		\$0 00
LABOR				SUBCONTRACTS		
LABOR SUBTOTAL			\$393.60	SUBCONTRACT SUBTOTAL		\$0 00
	<u>DESC.</u>	<u>PERCENT</u>	<u>TOTAL</u>	<u>DESC.</u>	<u>PERCENT</u>	<u>TOTAL</u>
	LABOR BURDEN	35%	\$137.76	OVERHEAD & PROFIT	5%	\$0 00
	OVERHEAD & PROFIT	10%	\$53.14			
TOTAL LABOR			\$584.50	TOTAL SUBCONTRACTS		\$0.00
CHANGE ORDER SUMMARY						
	<u>DESC.</u>		<u>TOTAL</u>			
	MATERIAL		\$199.55			
	LABOR		\$584.50			
	EQUIPMENT		\$0 00			
	SUBCONTRACTS		\$0 00			
	SUBTOTAL		\$784.04			
	<u>DESC.</u>	<u>PERCENT</u>	<u>TOTAL</u>			
	BOND (IF APPLICABLE)	0.00%	\$0 00			
AMOUNT REQUESTED				\$784.04		



FEL BOONE #498
 858 GEORGE WILSON ROAD
 BOONE, NC 28607-0498

Phone 828-265-1555
 Fax 828-264-2888

Deliver To		
From	Chris Blalock	041624 BCC Meeting
Comments		

09 04 14 AUG 08 2023

Page 1 of 1

FERGUSON ENTERPRISES LLC #34

Price Quotation
 Phone: 828-265-1555
 Fax 828-264-2888

Bid No B703123
 Bid Date 08/08/23
 Quoted By CBB

Cust Phone 828-253-3621
 Terms NET 10TH PROX

Customer BOLTON CONST & SVC OF WNC
 PO BOX 8609
 VALLE CRUCIS
 ASHEVILLE
 ASHEVILLE, NC 28814

Ship To CUSTOMER PICK-UP

Cust PO#.

Job Name: VALLE CRUCIS

Item	Description	Quantity	Net Price	UM	Total
LHARDF20	3/4 X 20 L HARD COP TUBE	20	413 820	C	82 76
C9F	3/4 WROT CXC 90 ELL 7/8 OD	2	1 535	EA	3.07
CMAF	3/4 WROT CXM ADPT	1	2.402	EA	2.40
GATRC10	3/8X10 Z/PLT ATR	30	0 455	FT	13 65
GST7883S14Z2S1	1-5/8X1-5/8X10 14 GALV H/SL STRUT	10	233 335	C	23 33
Net Total					\$125 21
Tax					\$8.45
Freight					\$0 00
Total					\$133 66

Quoted prices are based upon receipt of the total quantity for immediate shipment (48 hours) SHIPMENTS BEYOND 48 HOURS SHALL BE AT THE PRICE IN EFFECT AT TIME OF SHIPMENT UNLESS NOTED OTHERWISE QUOTES FOR PRODUCTS SHIPPED FOR RESALE ARE NOT FIRM UNLESS NOTED OTHERWISE

CONTRACTOR CUSTOMERS IF YOU HAVE DBE/MBE/WBE/VBE/SDVBE/SBE GOOD FAITH EFFORTS DIVERSITY GOALS/ REQUIREMENTS ON A FEDERAL, STATE, LOCAL GOVERNMENT, PRIVATE SECTOR PROJECT PLEASE CONTACT YOUR BRANCH SALES REPRESENTATIVE IMMEDIATELY PRIOR TO RECEIVING A QUOTE/ORDER

Seller not responsible for delays, lack of product or increase of pricing due to causes beyond our control and/or based upon Local State and Federal laws governing type of products that can be sold or put into commerce This Quote is offered contingent upon the Buyer's acceptance of Seller's terms and conditions, which are incorporated by reference and found either following this document, or on the web at <https://www.ferguson.com/content/website-info/terms-of-sale>
 Govt Buyers All items are open market unless noted otherwise

LEAD LAW WARNING It is illegal to install products that are not 'lead free' in accordance with US Federal or other applicable law in potable water systems anticipated for human consumption Products with *NP in the description are NOT lead free and can only be installed in non-potable applications Buyer is solely responsible for product selection
 Buyer shall accept delivery of products within 60 days of Seller receiving the products at Seller's warehouse If Buyer causes or requests a delay in delivery of the products, Buyer may be subject to storage fees and additional costs caused by such delay Seller reserves the right to requote the products and reschedule the delivery date subject to manufacturer's lead times and price increases, if Buyer is unable to accept delivery within 60 days.



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<https://survey.medallia.com/?bidsorder&fc=9&on=481575>

QUOTATION



Conklin Metal Industries
 200 Brozzini Ct
 Greenville, SC 29615
 US
 (864) 269-8320

Quote Number	Customer ID
1298157	10807
Date	Page
07/31/2023	1 of 1

Taker CPETHEL
 Quote Expires On 08/01/2023

Bill To:

WE Bolton Construction & Service, Inc
 PO BOX 8609
 ASHEVILLE, NC 28814-8609
 US

Ship To:

WE Bolton Construction & Service, Inc
 169 ELK MOUNTAIN RD
 ASHEVILLE, NC 28804-2045
 US

828-253-3621

Requested By Jason Haigler

Require Date		PO Number		Terms	Ship Route					
7/31/23		Valle Crucis		Net 30						
Quantities				Item ID	Disp.	Pricing UOM	Unit Size	Weight	Unit Price	Extended Price
Ordered	Allocated	Backorder	UOM	Item Description						
1 00	0.00	1 00	SHEETS	GS24G60120N 24 Ga 60 x 120 Galv (Orange)		SHEETS	1	58 00 #	44.3300	44.33

Total Lines 1

SUB-TOTAL: 44 33
TAX: 0 00
AMOUNT DUE: 44.33

Customer Signature _____

ALL RETURNS MAY BE SUBJECT TO A RESTOCKING FEE

Delivery Instructions

Total Order Weight 58 #



Change Order Proposal

Project: Valle Crucis School

COR #: **43**

Date: **10/4/2023**

Description of Change: Changes due to plumbing caused by Revision 13

H&M Material:			Subtotals
1. Total Cost of Materials (Attach Backup)		<u>0.00</u>	
2. Sales Tax	6.75%	<u>0.00</u>	
3. Overhead & Profit	15%	<u>0.00</u>	0.00
H&M Labor:			
4. Total Man Hour Cost (Attach Backup)		<u>0.00</u>	
5. Labor Burden (Enter Percentage)	41%	<u>0.00</u>	
6. Overhead & Profit	15%	<u>0.00</u>	0.00
H&M Equipment Rental:			
7. Equipment / Equipment Rental (Attach Backup)		<u>0.00</u>	
8. Overhead & Profit	15%	<u>0.00</u>	0.00
H&M Unit Prices:			
9. Unit Price (If Applicable)		<u>0.00</u>	0.00
H&M Subcontractors:			
10. Subcontractor (Attach Subcontractor Backup)		<u>6,101.00</u>	
11. Overhead & Profit (On Subcontractors)	10%	<u>610.10</u>	6,711.10
		Grand Subtotal =	6,711.10
13. P&P Bonds (On Grand Subtotal)	2%	<u>134.22</u>	
		Total of Proposal =	6,845.32

Time Extension Request: **0** Days
 Schedule Activity # Affected: _____ Does this effect the critical path? **No**

This Contractor agrees to perform the work outlined in this change proposal for the amount specified above

Eric Jones / VP _____

Date: _____

Owner/Architect _____

Date: _____



October 3, 2023

H&M Contractors
 PO Box 16589
 Asheville NC 28816

Attention: Eric Jones

**Reference: Valle Crucis School
 Plumbing Change Order
 REVISION #13**

Dear Eric

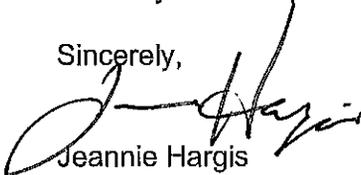
The following change order is for the required labor, materials, equipment and tools necessary to revise the plumbing per Revision #13

- Sheet P101 Add vent piping for WMB1 in room 104, Add piping relocation of roof layout over room 118B
- Sheet PL107 Relocated drains to match architecture relocation of roof dr layout over 118B
- Sheet PP101 Add Water Piping for WMB1 in room 104
- Sheet P705 Update Storm piping riser in Area A to reflect relocation of roof drain and over flow drain in room 118B

TOTAL AMOUNT OF THIS CHANGE ORDER..... \$ 6,101.00
(see attached breakdown)

Should you have questions or concerns, please do not hesitate to contact our office

Sincerely,



Jeannie Hargis
 Project Manager

Bolton Construction and Service of WNC, Inc.

Subcontractor Name

Change Order Proposal

Project. Valle Crucis School

COR #

Date

REVISION #13

			Subtotals
Material			
1 Total Cost of Materials (Attach Backup)		<u>\$1,958 54</u>	
2 Sales Tax	7 00%	<u>\$137 10</u>	
3 Overhead & Profit	10%	<u>\$209 56</u>	\$2,305 20
Labor			
4. Total Man Hour Cost (Attach Backup)		<u>\$1,869.60</u>	
5 Labor Burden (35% is Allowed)	35%	<u>\$654 36</u>	
6 Overhead & Profit	10%	<u>\$252 40</u>	\$2,776.36
Equipment Rental			
7 Equipment / Equipment Rental (Attach Backup)		<u>\$0 00</u>	
8 Overhead & Profit	10%	<u>\$0 00</u>	\$0.00
Unit Prices:			
9 Unit Price (If Applicable)		<u>\$0.00</u>	\$0.00
Subcontractors:			
10 Subcontractor (Attach Subcontractor Backup)		<u>\$927 00</u>	\$919.00
11 Overhead & Profit (On Subcontractors)	10%	<u>\$92 70</u>	\$1,019 70
Grand Subtotal =			\$6,101 26
13 Bond If Required (On Grand Subtotal)	0%	<u>\$0 00</u>	
Total of Proposal			\$6,101.00

Time Extension Request

Days

Schedule Activity # Affected

Does this effect the critical path?

This Contractor agrees to perform the work outlined in this change proposal for the amount specified above

Subcontractor _____

Date _____



KIRBY- CUNDIFF INSULATION *Established 1986*

PO Box 19345 Roanoke VA 24019
263 Industrial Drive Hollins VA 24019

Cont. Lic. No. 2701-029433A
KVI SWAM #: 656 816

ph (540) 992-3960
fax (540) 992-4796

Date 10/2/23

To: Bolton

Reference. Valle Crucis School

Attn Jeannie Hargis

We propose to provide insulation per plans and specifications for the sum of \$73 591 00

Furnishing labor and material needed to insulate Plumbing System as shown on drawings (dated 8/8/22) prepared by Clark Nexsen Engineers as follows:

- Domestic Cold Water Pipe – 1" thick Fiberglass ASJ
- Hot/Return Water Pipe – 1" thick Fiberglass ASJ up to 1 ¼" pipe, 1 ½" thick Fiberglass ASJ on larger pipe
- Roof/Overflow Drain Pipe (Horizontal & Vertical) – 1" thick Fiberglass ASJ
- *Aluminum Jacket on Exposed Pipe up to 6' AFF
- 5W 120V Heat Tape and thermostats on piping noted on PP101

Add for Revision 11 \$919 00

Add for Revision 12 \$1,569 00

Add for Revision 13 \$927 00

We do not include painting marking duct liner heat tape removing existing insulation or fire stop.

All surfaces that require insulation must be free of debris including fire proofing Penetrations must be sized to allow for insulation where required. We do not make allowance for wage scale. We do not make allowance for use of grooved couplings.

Thank you for allowing us to submit this proposal. Please let us know if we can do this work for you

Very truly

Daniel Hargis
Estimator / Project Manager
dhargis@kcfsv.com



Insulation • Firestopping • Heat Tracing • Abatement & Demolition • Concrete Sawing & Coring
Scaffolding • Safety Supply • Duct Cleaning



FEL #009 ASHEVILLE, NC
 35 LONDON ROAD
 ASHEVILLE, NC 28803-2706

Phone 828-274-0001
 Fax 828-274-2015

Deliver To:		
From	Russ Martin	041624 BCC Meeting
Comments		

09 11 51 OCT 03 2023

Page 1 of 2

FERGUSON ENTERPRISES LLC #34

Price Quotation
 Phone 828-274-0001
 Fax 828-274-2015

Bid No B748992
 Bid Date 10/02/23
 Quoted By RYM

Cust Phone 828-253-3621
 Terms NET 10TH PROX

Customer BOLTON CONST & SVC OF WNC
 ASHEVILLE
 PO BOX 8609
 ASHEVILLE NC 28814

Ship To CUSTOMER PICK-UP

Cust PO#: VALLE CRUCIS

Job Name

Item	Description	Quantity	Net Price	UM	Total
NHPM10	3X10 NH CI SOIL PIPE	10	1443.150	C	144.32
NHSTMMJ	3X3X1 1/2 NH CI SAN TEE	1	24.708	EA	24.71
NHSRMK	3X2 NH CI SHRT RED	1	10.873	EA	10.87
NHPK10	2X10 NH CI SOIL PIPE	20	1043.550	C	208.71
	SUBTOTAL				388.61
NHPX10	8X10 NH CI SOIL PIPE	10	5284.850	C	528.49
PFINHCHDX	8 HD NH COUP IMPORT	2	17.755	EA	35.51
NH4X	8 NH CI 1/8 BEND	1	152.043	EA	152.04
	SUBTOTAL				716.04
LHARDD20	1/2 X 20 L HARD COP TUBE	60	222.690	C	133.61
FNWX432D	LF 1/2 BRS PXP FP BV WTR	2	14.435	EA	28.87
MPP02722	LF 1/2 PXP LR 90 ELL	6	2.157	EA	12.94
MPP04033	LF 3/4X3/4X1/2 PXPXP TEE	2	5.048	EA	10.10
	SUBTOTAL				185.52
PFINHCHDK	2 HD NH COUP IMPORT	8	4.225	EA	33.80
PFINHCHDM	3 HD NH COUP IMPORT	4	6.220	EA	24.88
PFINHCHDX	8 HD NH COUP IMPORT	3	17.755	EA	53.27
182170	SS GUY GRAY WMOB	1	431.969	EA	431.97
FNW7005Z0200	2 PLTD ADJ STD CLEVIS HGR	2	1.346	EA	2.69
FNW7005Z0300	3 PLTD ADJ STD CLEVIS HGR	12	3.200	EA	38.40
FNW7005Z1000	10 PLTD ADJ STD CLEVIS HGR	1	21.945	EA	21.95
FNW7203PC	3/8 BLK JR UNIV BEAM CLMP	16	1.050	EA	16.80
GATRC10	3/8X10 Z/PLT ATR	70	0.390	FT	27.30
FNWHNG2Z38	3/8 16 HEX NUT ZN A563 GR 2 50PK	1	2.999	PK	3.00
FNWFLWZ38	3/8 X 1 FLT WSHR ZN 50PK	1	2.629	PK	2.63
NH9K	2 NH CI 1/4 BEND	3	15.729	EA	47.19

Remove



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 complete a survey about your bids

<https://survey.medallia.com/?bidsorder&fc=9&on=98184>

Fax: 828-274-2015

09 11 51 OCT 03 2023

Reference No: B748992

SUBTOTAL

703.88

Net Total	\$1994.05
Tax.	\$139.59
Freight:	\$0.00
Total	\$2133.64

1958.54

Quoted prices are based upon receipt of the total quantity for immediate shipment (48 hours) SHIPMENTS BEYOND 48 HOURS SHALL BE AT THE PRICE IN EFFECT AT TIME OF SHIPMENT UNLESS NOTED OTHERWISE. QUOTES FOR PRODUCTS SHIPPED FOR RESALE ARE NOT FIRM UNLESS NOTED OTHERWISE

CONTRACTOR CUSTOMERS. IF YOU HAVE DBE/MBE/WBE/VBE/SDVBE/SBE GOOD FAITH EFFORTS DIVERSITY GOALS/ REQUIREMENTS ON A FEDERAL, STATE, LOCAL GOVERNMENT, PRIVATE SECTOR PROJECT PLEASE CONTACT YOUR BRANCH SALES REPRESENTATIVE IMMEDIATELY PRIOR TO RECEIVING A QUOTE/ORDER

Seller not responsible for delays, lack of product or increase of pricing due to causes beyond our control and/or based upon Local, State and Federal laws governing type of products that can be sold or put into commerce This Quote is offered contingent upon the Buyer's acceptance of Seller's terms and conditions which are incorporated by reference and found either following this document, or on the web at <https://www.ferguson.com/content/website-info/terms-of-sale>
Govt Buyers All items are open market unless noted otherwise.

LEAD LAW WARNING It is illegal to install products that are not 'lead free' in accordance with US Federal or other applicable law in potable water systems anticipated for human consumption Products with *NP in the description are NOT lead free and can only be installed in non-potable applications. Buyer is solely responsible for product selection
Buyer shall accept delivery of products within 60 days of Seller receiving the products at Seller's warehouse If Buyer causes or requests a delay in delivery of the products, Buyer may be subject to storage fees and additional costs caused by such delay Seller reserves the right to requote the products and reschedule the delivery date, subject to manufacturer's lead times and price increases, if Buyer is unable to accept delivery within 60 days.



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Scan the QR code or use the link below to
complete a survey about your bids

<https://survey.medallia.com/?bidsorder&fc=9&on=98184>

**Revision
13****Description of Plumbing Revisions**

- ✓ Sheet PL101 - Added fixture tag, 2" vent for WMB-1 in Room 104 Added piping relocation for roof drain and overflow drain in Room 118B
- ✓ Sheet PL107 - Relocated drains to match architecture relocation of roof layout over Room 118B
- ✓ Sheet PP101 - Added fixture tag, domestic water pipe sizing for WMB 1 in Room 104
- ✓ Sheet P-705 - Updated Storm Piping Riser Area A to reflect relocation of roof drain and overflow drain in Room 118B

Description of Mechanical Revisions:

- MH102 - Offset supply ductwork to avoid structural column
- MH103 - Reroute 2-VAV 108 low pressure ductwork to correct clashes with structure and electrical devices
- MH104 - Resized RTU supply ductwork to correct conflict with structure
- MH108 - Removed upstream exhaust ductwork to correctly show how selected / submitted exhaust fan shall appear
- M-802 - Remove previous note 6 on "Fan powered VAV terminal" control points schedule to omit " analog output Fan Speed"

Prepared By: Eve Szentesi**09/15/23**

AIA® Document G701® – 2017

Change Order

PROJECT: *(Name and address)*
 Valle Crucis Elementary School
 Sugar Grove, NC

CONTRACT INFORMATION:
 Contract For: General Construction

 Date: 2/14/2023

CHANGE ORDER INFORMATION:
 Change Order Number: 004

 Date: 4/10/24

OWNER: *(Name and address)*
 Watauga County
 814 W. King Street
 Boone, NC 28607

ARCHITECT: *(Name and address)*
 Clark Nexsen
 301 College Street
 Suite 300
 Asheville, NC 28801

CONTRACTOR: *(Name and address)*
 H&M Constructors, a Division of MB
 Haynes Corporation
 187 Deaverview Road
 Asheville, NC 28806

THE CONTRACT IS CHANGED AS FOLLOWS:

(Insert a detailed description of the change and, if applicable, attach or reference specific exhibits. Also include agreed upon adjustments attributable to executed Construction Change Directives.)

- COR #22: \$1,275.77
- COR #41: \$2,330.82
- COR #42: \$4,701.07
- COR #46: \$7,205.67
- COR #47: \$7,324.17
- COR #54: -(\$1,442.17)
- COR #60: \$3,311.01
- COR #61: \$2,615.38
- COR #64: \$1,692.83

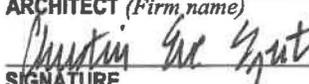
Revised schedule for weather and mud days.

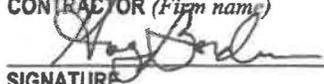
The original Contract Sum was	\$ 47,874,600.00
The net change by previously authorized Change Orders	\$ -314,613.96
The Contract Sum prior to this Change Order was	\$ 47,559,986.04
The Contract Sum will be increased by this Change Order in the amount of	\$ 29,014.55
The new Contract Sum including this Change Order will be	\$ 47,589,000.59

The Contract Time will be increased by Forty Three (43) days.
 The new date of Substantial Completion will be December 22, 2024

NOTE: This Change Order does not include adjustments to the Contract Sum or Guaranteed Maximum Price, or the Contract Time, that have been authorized by Construction Change Directive until the cost and time have been agreed upon by both the Owner and Contractor, in which case a Change Order is executed to supersede the Construction Change Directive.

NOT VALID UNTIL SIGNED BY THE ARCHITECT, CONTRACTOR AND OWNER.

Clark Nexsen, Inc.
 ARCHITECT *(Firm name)*

 SIGNATURE

H&M Constructors
 CONTRACTOR *(Firm name)*

 SIGNATURE

Watauga County
 OWNER *(Firm name)*

 SIGNATURE

Eve Szentesi, AIA, LEED AP BD+C

Senior Architect
 PRINTED NAME AND TITLE
 03/28/24 4-12-24
 DATE

GREG BORDEN - SENIOR V.P.
 PRINTED NAME AND TITLE
 4-12-24
 DATE

 PRINTED NAME AND TITLE

 DATE



Change Order Proposal

Project: Valle Crucis School

Revised 2.20.24

COR #: **22**

Date: **6/28/2023**

Description of Change: Changes due to Revision 11

H&M Material:			Subtotals
1. Total Cost of Materials (Attach Backup)		0.00	
2. Sales Tax	6.75%	0.00	
3. Overhead & Profit	15%	0.00	0.00
H&M Labor:			
4. Total Man Hour Cost (Attach Backup)		0.00	
5. Labor Burden (Enter Percentage)	41%	0.00	
6. Overhead & Profit	15%	0.00	0.00
H&M Equipment Rental:			
7. Equipment / Equipment Rental (Attach Backup)		0.00	
8. Overhead & Profit	15%	0.00	0.00
H&M Unit Prices:			
9. Unit Price (If Applicable)		0.00	0.00
H&M Subcontractors:			
10. Subcontractor (Attach Subcontractor Backup)		1,137.05	
11. Overhead & Profit (On Subcontractors)	10%	113.71	1,250.76
		Grand Subtotal =	1,250.76
13. P&P Bonds (On Grand Subtotal)	2%	25.02	
		Total of Proposal =	1,275.77

Time Extension Request: **0** Days
 Schedule Activity # Affected: Does this effect the critical path? **No**

This Contractor agrees to perform the work outlined in this change proposal for the amount specified above

Eric Jones / VP _____

Date: _____

Owner/Architect _____

Date: _____

BRIEGAN

CONCRETE, LLC

Change Proposal Form

Project: Valle Crucis Elementary School
 Contractor: H&M Constructors
 Subcontractor: Briegan Concrete LLC

PCO#: 5
 Project #: 14681
 Date: 5/31/2023

Descriptions of change:

Changes reflecting all added structural items per Revision 11 drawings, which is based on the added Rebar per the SOMD cut out on area A. No cost changes are reflected for elevator pit or other areas. (This cost is capturing only the slab on metal deck opening in Area A. Concrete credit is reflected the last submitted change order PCO 13

			SUBTOTALS
Materials			
	Total Direct Costs of Permanent Materials	\$ 620.00	
	1b Total Direct Costs of Other Materials	\$ -	
	2a Sales Tax on Permanent Materials	6.75% \$ 41.85	
	2b Sales Tax on Other Materials	6.75% \$ -	
	3 Shipping & Transportation	\$ -	
	4 OH & Profit on Items 1-3	0% \$ -	
			<u>\$661.85</u>
Labor			
	5 Total Labor	\$375.00	
	6 Payroll Taxes & Insurance (Superintendent Only)	30% \$57.00	
	7 Overhead & Profit on Item 5-6	10% \$43.20	
			<u>\$475.20</u>
Equipment Rental			
	8 Equipment/ EquipmentRental	\$0.00	
	9 Sales Tax	7.25% \$0.00	
	10 Overhead & Profit on Item 8	10% \$0.00	
			<u>\$0.00</u>
Subcontractors			
	11 Subcontractors	\$0.00	
	12 Overhead & Profit on Item 11	5% \$0.00	
			<u>\$0.00</u>
			Subtotal of Proposal
			<u>\$1,137.05</u>
	13 Bonds (% of subtotal of proposal)	0.00%	<u>\$0.00</u>
			TOTAL OF CHANGE PROPOSAL
			<u>\$1,137.05</u>

Time Extension Requests 0 Days
 Schedule Activity # Affected

The Subcontractor agrees to perform the work outlined in this change proposal for the amount specified above and in accordance with the Contract documents if the work is authorized by the Owner.

Subcontractor's
 Signature: Ammar Terd

Date: 6/26/2023

Job Name: Valle Crucis

PCO# 5

Date: 6/26/2023

Item	Description	Quantity	Units	UNIT COST					TOTAL COST					Subtotal	
				Labor	Perm-Material	Other Material	Equip.	Sub	Labor	Perm-Material	Other Material	Equipment	Sub		
															\$0.00
	Labor									\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
										\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Carpenters	5	HR	\$38.00						\$190.00	\$0.00	\$0.00	\$0.00	\$0.00	\$190.00
	Rodbuster (Instal per Ton)	5	HR	\$37.00						\$185.00	\$0.00	\$0.00	\$0.00	\$0.00	\$185.00
	Materials									\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
										\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
										\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Rebar	0.4	TN		\$1,550.00					\$0.00	\$620.00	\$0.00	\$0.00	\$0.00	\$620.00
										\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
										\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
										\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Equipment									\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
										\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
										\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
										\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
										\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
										\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Subcontractors									\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
										\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
										\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
										\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
										\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Subtotal									\$375.00	\$620.00	\$0.00	\$0.00	\$0.00	\$995.00
	Sales Tax on Permanent Materials	6.75%									\$41.85	\$0.00			\$41.85
	Sales Tax on Other	6.75%										\$0.00	\$0.00		\$0.00
	Labor Burden (Superintendent Only)	30%								\$57.00					\$57.00
	OH&P (10%) Sub (5%)	10%	5%							\$43.20	\$0.00	\$0.00	\$0.00	\$0.00	\$43.20
	Sheet Total									\$475.20	\$661.85	\$0.00	\$0.00	\$0.00	\$1,137.05



Change Order Proposal

Project: Valle Crucis School

COR #: 41
~~40~~

Date: 9/28/2023

Description of Change: Briegan CO 10. Changes related to Revision 13 added items per detail 8/S501 and 9/S501

H&M Material:			Subtotals
1. Total Cost of Materials (Attach Backup)		0.00	
2. Sales Tax	6.75%	0.00	
3. Overhead & Profit	15%	0.00	0.00
H&M Labor:			
4. Total Man Hour Cost (Attach Backup)		0.00	
5. Labor Burden (Enter Percentage)	41%	0.00	
6. Overhead & Profit	15%	0.00	0.00
H&M Equipment Rental:			
7. Equipment / Equipment Rental (Attach Backup)		0.00	
8. Overhead & Profit	15%	0.00	0.00
H&M Unit Prices:			
9. Unit Price (If Applicable)		0.00	0.00
H&M Subcontractors:			
10. Subcontractor (Attach Subcontractor Backup)		2,077.38	
11. Overhead & Profit (On Subcontractors)	10%	207.74	2,285.12
		Grand Subtotal =	2,285.12
13. P&P Bonds (On Grand Subtotal)	2%	45.70	
		Total of Proposal =	2,330.82

Time Extension Request: 0 Days
 Schedule Activity # Affected: Does this effect the critical path? No

This Contractor agrees to perform the work outlined in this change proposal for the amount specified above

Eric Jones / VP _____

Date: _____

Owner/Architect _____

Date: _____

DESIGNER

CLARK NEXSEN

301 COLLEGE STREET, SUITE 300
ASHEVILLE, NORTH CAROLINA 28801
828.232.0608

CONSULTANT



KLOESEL
Engineering, PA
License C-1207
8 Magnolia Avenue, Suite 100
Asheville, North Carolina 28801
(828) 255-0780

PROFESSIONAL SEAL



SUBMITTAL

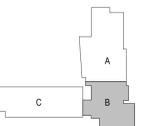
08.01.2022

CONSTRUCTION DOCUMENTS

REVISIONS

2	08.08.2022	ADDENDUM 1
3	08.25.2022	ADDENDUM 2
7	02.06.2023	REVISION 7
8	03.31.2023	REVISION 8
11	06.15.2023	REVISION 11
13	09.08.2023	Revision 13

KEY PLAN



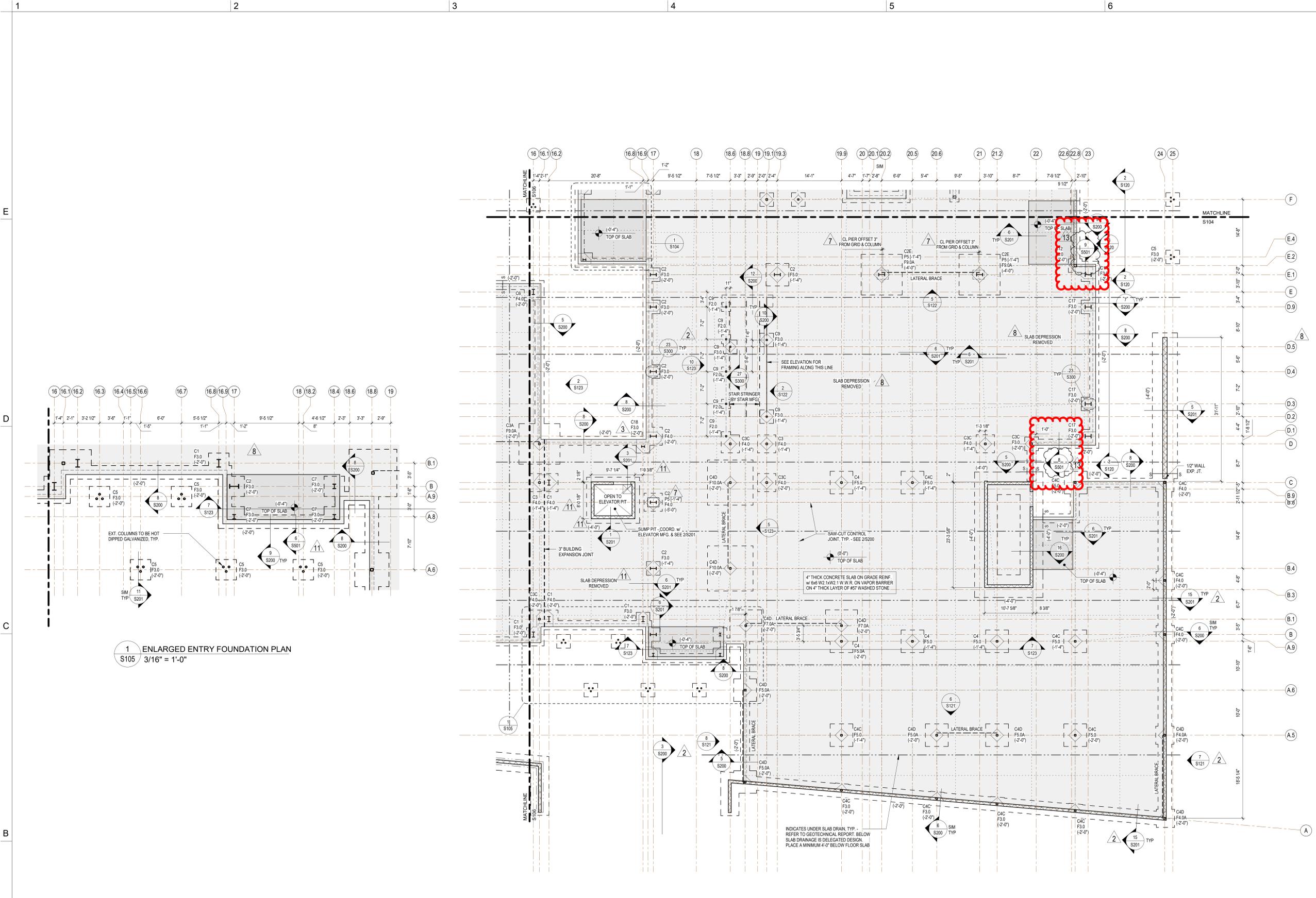
SHEET

FOUNDATION PLAN - AREA B

S105

DESIGN: KEPA
DRAWN: REM/DBC
REVIEW: CJO

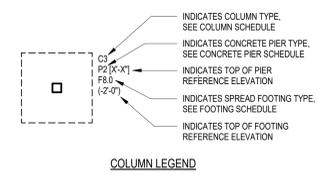
CN 9390



1 ENLARGED ENTRY FOUNDATION PLAN
S105 3/16" = 1'-0"

FOUNDATION PLAN - AREA B
1/8" = 1'-0"

- GENERAL PLAN NOTES:**
- LEVEL 1 FINISHED FLOOR REFERENCE ELEVATION = 0'-0"
 - (X,Y) DENOTES TOP OF FOOTING REFERENCE ELEVATION.
 - 'S' DENOTES A FOOTING STEP. SEE 15200.
 - SEE SHEET S800 FOR MINIMUM SEISMIC REINFORCEMENT REQUIREMENTS.
 - SEE SHEET S800 FOR STRUCTURAL NOTES.
 - SEE SHEET S800 FOR FOOTING AND COLUMN SCHEDULES.
 - SEE ARCHITECTURAL SLAB EDGE PLAN FOR EDGE OF SLAB DIMENSIONS.
 - SEE ARCHITECTURAL DRAWINGS FOR THE LOCATIONS AND EXTENT OF DERESSED SLABS.
 - SEE ARCHITECTURAL DRAWINGS FOR THE LOCATIONS OF ALL CONSTRUCTION AND CONTROL JOINTS FOR EXTERIOR SLABS AND WALKS.



DESIGNER

CLARK NEXSEN

301 COLLEGE STREET, SUITE 300
ASHEVILLE, NORTH CAROLINA 28801
828.232.0608



KLOESEL
Engineering, PA
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8 Magnolia Avenue, Suite 100
Asheville, North Carolina 28801
(828) 255-0780

PROFESSIONAL SEAL



SUBMITTAL

08.01.2022

CONSTRUCTION DOCUMENTS

REVISIONS

2	08.08.2022	ADDENDUM 1
10	05.08.2023	REVISION 10
11	06.15.2023	REVISION 11
13	09.08.2023	Revision 13

KEY PLAN

SHEET

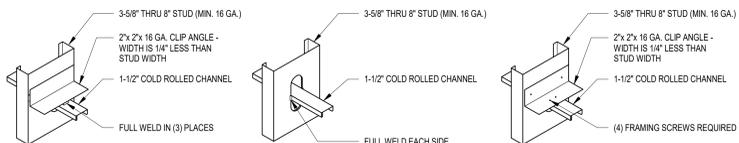
ADDITIONAL SECTIONS &
DETAILS

S501

DESIGN: KEPA
DRAWN: REM/DBC
REVIEW: CJO

CN 9390

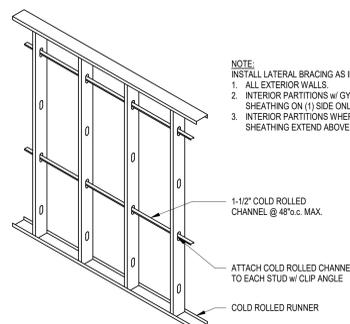
1
E
D
C
B
A



LATERAL BRACING WELD ATTACHMENT

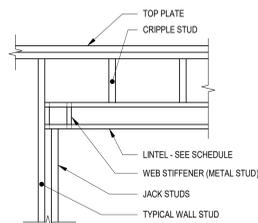
LATERAL BRACING WELD ATTACHMENT

LATERAL BRACING SCREW ATTACHMENT

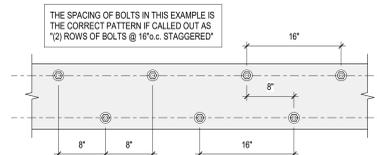


LATERAL BRACING w/ COLD ROLLED CHANNELS

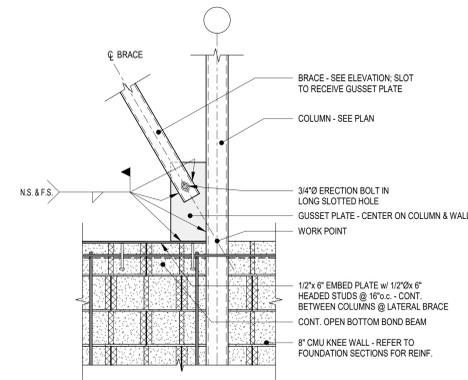
1 LATERAL BRACING FOR METAL STUD WALLS, TYP. U.O.N. S501 1 1/2" = 1'-0"



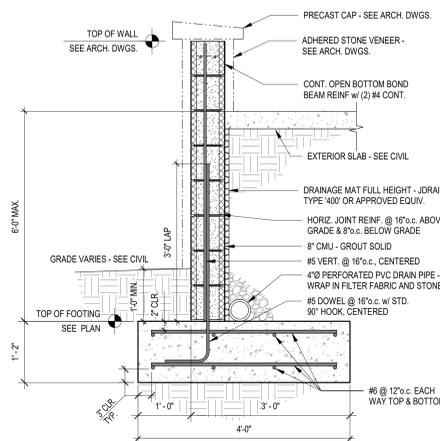
2 METAL STUD LINTEL ELEVATION S501 3/4" = 1'-0"



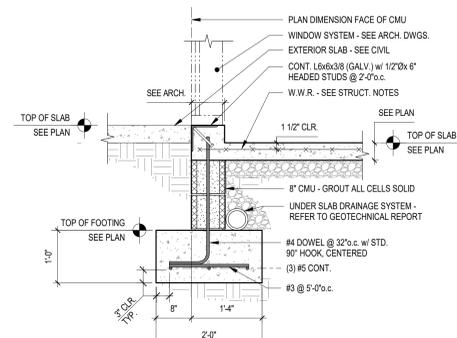
3 TYPICAL BOLT STAGGER PATTERN DETAIL S501 1" = 1'-0"



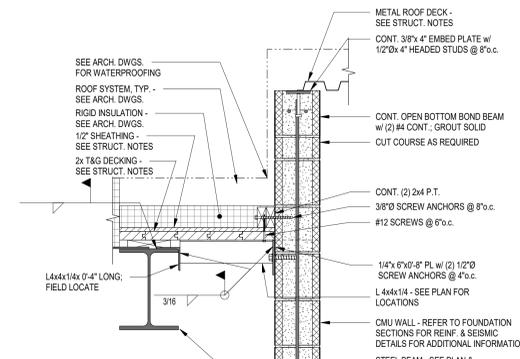
4 BRACE FRAME BASE DETAIL @ CMU KNEE WALL S501 3/4" = 1'-0"



5 SITE WALL DETAIL - D S501 3/4" = 1'-0"

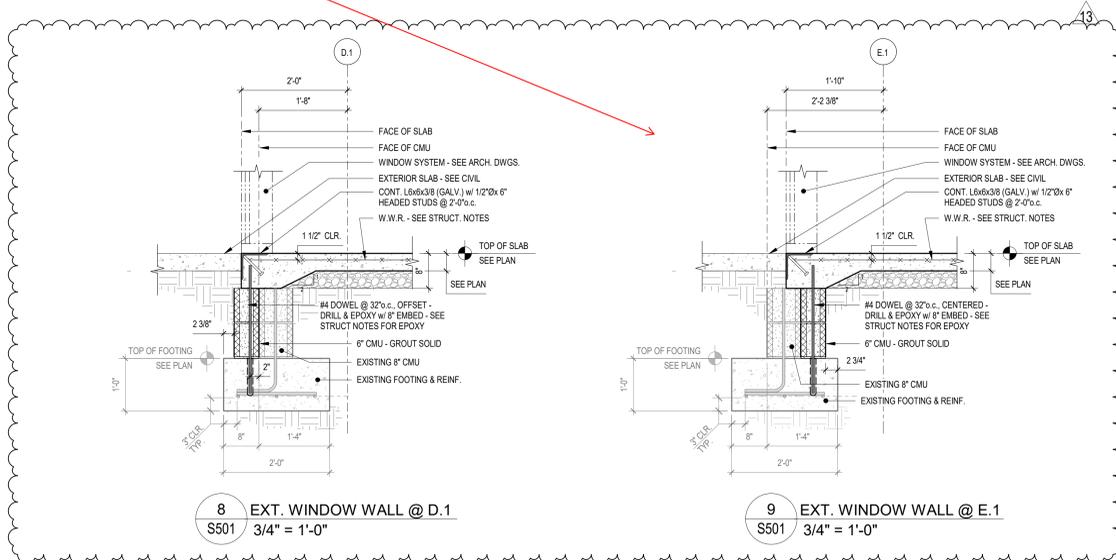


6 EXT. WINDOW WALL w/ DEPRESSED SLAB S501 3/4" = 1'-0"



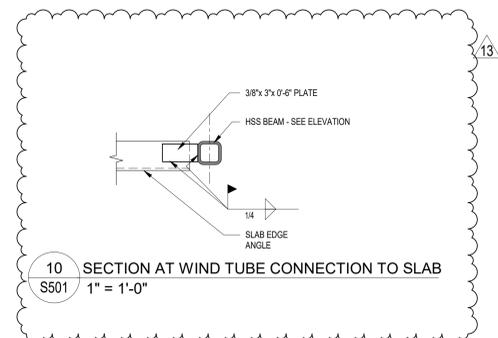
7 ELEVATOR WALLS @ WOOD DECK S501 1" = 1'-0"

CO for added dowels



8 EXT. WINDOW WALL @ D.1 S501 3/4" = 1'-0"

9 EXT. WINDOW WALL @ E.1 S501 3/4" = 1'-0"





Change Order Proposal

Project: Valle Crucis School

COR #: **42**

Date: **9.28.23**

Description of Change: Changes due to Revision 8. Storefront CO 1

H&M Material:			Subtotals
1. Total Cost of Materials (Attach Backup)		0.00	0.00
2. Sales Tax	6.75%	0.00	
3. Overhead & Profit	15%	0.00	
H&M Labor:			
4. Total Man Hour Cost (Attach Backup)		0.00	0.00
5. Labor Burden (Enter Percentage)	41%	0.00	
6. Overhead & Profit	15%	0.00	
H&M Equipment Rental:			
7. Equipment / Equipment Rental (Attach Backup)		0.00	0.00
8. Overhead & Profit	15%	0.00	
H&M Unit Prices:			
9. Unit Price (If Applicable)		0.00	0.00
H&M Subcontractors:			
10. Subcontractor (Attach Subcontractor Backup)		4,189.90	4,608.89
11. Overhead & Profit (On Subcontractors)	10%	418.99	
		Grand Subtotal =	4,608.89
13. P&P Bonds (On Grand Subtotal)	2%	92.18	
		Total of Proposal =	4,701.07

Time Extension Request: **0** Days
 Schedule Activity # Affected: _____ Does this effect the critical path? **No**

This Contractor agrees to perform the work outlined in this change proposal for the amount specified above

Eric Jones / VP _____

Date: _____

Owner/Architect _____

Date: _____

Cook and Boardman LLC

**Change Order Proposal # 1
Storefront**

Project: Valle Crucis School

COR #: **TBD**

Date: **9/27/2023**

Description of Change:

			Subtotals
Material:			
1. Total Cost of Materials (Attach Backup)		<u>\$3,474.57</u>	
2. Sales Tax	6.75%	<u>\$259.74</u>	
3. Overhead & Profit	10%	<u>\$373.43</u>	\$4,107.74
Labor:			
4. Total Man Hour Cost (Attach Backup)		<u>\$0.00</u>	
5. Labor Burden (35% is Allowed)		<u>\$0.00</u>	
6. Overhead & Profit	10%	<u>\$0.00</u>	\$0.00
Equipment Rental:			
7. Equipment / Equipment Rental (Attach Backup)		<u>\$0.00</u>	
8. Overhead & Profit	10%	<u>\$0.00</u>	\$0.00
Unit Prices:			
9. Unit Price (If Applicable)		<u>\$0.00</u>	\$0.00
Subcontractors:			
10. Subcontractor (Attach Subcontractor Backup)		<u>\$0.00</u>	
11. Overhead & Profit (On Subcontractors)	10%	<u>\$0.00</u>	\$0.00
Grand Subtotal =			\$4,107.74
13. Bond If Required (On Grand Subtotal)	2%	<u>\$82.15</u>	
Total of Proposal =			\$4,189.90

Time Extension Request: **0** Days
 Schedule Activity # Affected: **0** Does this effect the critical path? **No**

This Contractor agrees to perform the work outlined in this change proposal for the amount specified above

Subcontractor Cook and boardman LLC

Date: 9/27/2023

**Contemplated Change Order #1
To add new opening revision 8**

1	Single Door #101A-X	Exterior from Corridor 101A		RHR
3	Hinges	T4A3386 5 X 4 1/2 NRP	10B	MC
1	Exit Device	11 21 55 56 8804 G FSW GMK	RHR 10BE	SA
1	Closer	UNI7500H	613E	NO
1	Protection Plate	K1050 10" x 46"	10BE	RO
1	Wiring Harness	QC-C012P		MC
1	Wiring Harness	QC-C2500P		MC
1	Power Transfer	EL-CEPT-10B		SN
1	Raindrip	346 D 52"		PE
1	Weatherstrip	2891 DS 1 x 48" 2 x 84"		PE
1	Door Bottom	315 DN 48" TKSP8		PE
1	Threshold	1715 D 48"		PE
1	Single Door #105A-5	Lobby/Flex 101 to Flex 101E		RH
4	Hinges	TA2714 5 X 4 1/2 NRP	10B	MC
1	Mortise Lockset	21 8238 LNL GMK V01	RH 10BE	SA
1	Closer	7500H SN-134	613E	NO
1	Wall Stop	406	10BE	RO

Section Totals

08 71 11 Finish Hardware		3,848.00
	Pre-Tax Total:	3,848.00

Taxes

10193	NC-Watauga County	76.96
10202	NC-NORTH CAROLINA STATE TAX 4.75%	182.78
	Tax Total:	259.74
	Grand Total:	4,107.74

101A-X not included in Bid Set, 105A-5 shows no hardware set in bid documents (this CO is just hardware for door 105A-5).



Change Order Proposal

Project: Valle Crucis School

COR #: **46**

Date: **11.8.2023**

Description of Change: Extend 4" DIP waterline to connect to stubout in kitchen.

			Subtotals
H&M Material:			
1. Total Cost of Materials (Attach Backup)		0.00	
2. Sales Tax	6.75%	0.00	
3. Overhead & Profit	15%	0.00	0.00
H&M Labor:			
4. Total Man Hour Cost (Attach Backup)		0.00	
5. Labor Burden (Enter Percentage)	41%	0.00	
6. Overhead & Profit	15%	0.00	0.00
H&M Equipment Rental:			
7. Equipment / Equipment Rental (Attach Backup)		0.00	
8. Overhead & Profit	15%	0.00	0.00
H&M Unit Prices:			
9. Unit Price (If Applicable)		0.00	0.00
H&M Subcontractors:			
10. Subcontractor (Attach Subcontractor Backup)		6,422.17	
11. Overhead & Profit (On Subcontractors)	10%	642.22	7,064.39
		Grand Subtotal =	7,064.39
13. P&P Bonds (On Grand Subtotal)	2%	141.29	
		Total of Proposal =	7,205.67

Time Extension Request: **0** Days
 Schedule Activity # Affected: _____ Does this effect the critical path? **No**

This Contractor agrees to perform the work outlined in this change proposal for the amount specified above

Eric Jones / VP _____

Date: _____

Owner/Architect _____

Date: _____

IRON MOUNTAIN CONSTRUCTION CO.,INC.

Change Order Proposal

Project: Valle Crucis School

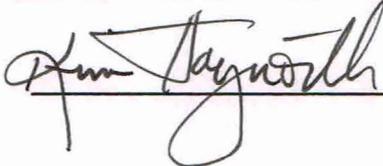
COR #: 8

Description of Change: Extend 4" DIP Waterline to connect to the Plumber's stub out at the Kitchen

			Subtotals
Material:			
1. Total Cost of Materials (Attach Backup)		<u>\$2,991.16</u>	
2. Sales Tax	6.75%	<u>\$201.90</u>	
3. Overhead & Profit	10%	<u>\$319.31</u>	\$3,512.37
Labor:			
4. Total Man Hour Cost (Attach Backup)		<u>\$1,128.00</u>	
5. Labor Burden (35% is Allowed)	35%	<u>\$394.80</u>	
6. Overhead & Profit	10%	<u>\$152.28</u>	\$1,675.08
Equipment Rental:			
7. Equipment / Equipment Rental (Attach Backup)		<u>\$1,008.00</u>	
8. Overhead & Profit	10%	<u>\$100.80</u>	\$1,108.80
Unit Prices:			
9. Unit Price (If Applicable)		<u>\$0.00</u>	\$0.00
Subcontractors:			
10. Subcontractor (Attach Subcontractor Backup)		<u>\$0.00</u>	
11. Overhead & Profit (On Subcontractors)	10%	<u>\$0.00</u>	\$0.00
Grand Subtotal =			\$6,296.25
13. Bond If Required (On Grand Subtotal)	2%	<u>\$125.92</u>	
Total of Proposal =			\$6,422.17

Time Extension Request: 0 Days
 Schedule Activity # Affected: 0 Does this effect the critical path? No

This Contractor agrees to perform the work outlined in this change proposal for the amount specified above

Subcontractor 

Date: 11-08-23



Bid Proposal for CHANGE ORDER--VALLE CRUCIS--CTO

CUSTOMER	<p>IRON MOUNTAIN CONST CO INC STOCK-ASHEVILLE 601 HOSPITAL RD MOUNTAIN CITY, TN 37683</p>	<p>Job CHANGE ORDER--VALLE CRUCIS--CTO BOONE, NC Watauga County Bid Date: 11/17/2023 01:00 pm Bid #: 3214861</p>
	<p>Sales Representative Mark Severini (M) 828-713-8961 (T) 828-274-8282 (F) 828-274-8296 Mark.Severini@coreandmain.com</p>	<p>Core & Main 1129 Sweeten Creek Rd Asheville, NC 28803 (T) 8282748282</p>
CONTACT		
NOTES		



Bid Proposal for CHANGE ORDER--VALLE CRUCIS--CTO

IRON MOUNTAIN CONST CO INC

Job Location: BOONE, NC

Bid Date: 11/17/2023 01:00 pm

Core & Main 3214861

Core & Main

1129 Sweeten Creek Rd

Asheville, NC 28803

Phone: 8282748282

Fax: 8282748296

Seq#	Qty	Description	Units	Price	Ext Price
10	60	4 TJ PR350 DI PIPE	FT	38.38	2,302.80
20	4	4 MJ 45 C153 IMP	EA	67.47	269.88
30	8	UFR1400-D-4-I 4 RET GLAND DIP FORD WEDGE ACTION	EA	31.77	254.16
40	8	4 MJ REG ACC SET L/GLAND IMP	EA	20.54	164.32
				Sub Total	2,991.16
				Tax	201.90
				Total	3,193.06

Branch Terms:

This quote represents our interpretation of the plans & specifications and is offered as an aid to bidding only.

Customers should verify all materials & quantities prior to bidding or ordering.

Pricing is subject to change if the scope of the quote is altered, at the discretion of the branch.

Special order material or other non-stock items may be non-refundable or subject to a cancellation/restock charge.

Special order non-stock items must be shipped to customer within 30 days of receipt by Core & Main.

We reserve the right to increase prices to address factors including but not limited to government regulations, tariffs, transportation, fuel, and raw material costs.

Delivery will commence based on manufacturer lead times. Any material deliveries delayed beyond manufacture lead times may be subject to price increases and/or applicable storage fees.

UNLESS OTHERWISE SPECIFIED HEREIN, PRICES QUOTED ARE VALID IF ACCEPTED BY CUSTOMER AND PRODUCTS ARE RELEASED BY CUSTOMER FOR MANUFACTURE WITHIN THIRTY (30) CALENDAR DAYS FROM THE DATE OF THIS QUOTATION. CORE & MAIN LP RESERVES THE RIGHT TO INCREASE PRICES TO ADDRESS FACTORS, INCLUDING BUT NOT LIMITED TO, GOVERNMENT REGULATIONS, TARIFFS, TRANSPORTATION, FUEL AND RAW MATERIAL COSTS. DELIVERY WILL COMMENCE BASED UPON MANUFACTURER LEAD TIMES. ANY MATERIAL DELIVERIES DELAYED BEYOND MANUFACTURER LEAD TIMES MAY BE SUBJECT TO PRICE INCREASES AND/OR APPLICABLE STORAGE FEES. THIS BID PROPOSAL IS CONTINGENT UPON BUYER'S ACCEPTANCE OF SELLER'S TERMS AND CONDITIONS OF SALE, AS MODIFIED FROM TIME TO TIME, WHICH CAN BE FOUND AT: <https://coreandmain.com/TandC/>



Change Order Proposal

Project: Valle Crucis School

COR #: **47**

Date: **11/27/2023**

Description of Change: Reroute Domestic Water into Building A.

			Subtotals
H&M Material:			
1. Total Cost of Materials (Attach Backup)		0.00	
2. Sales Tax	6.75%	0.00	
3. Overhead & Profit	15%	0.00	0.00
H&M Labor:			
4. Total Man Hour Cost (Attach Backup)		0.00	
5. Labor Burden (Enter Percentage)	41%	0.00	
6. Overhead & Profit	15%	0.00	0.00
H&M Equipment Rental:			
7. Equipment / Equipment Rental (Attach Backup)		0.00	
8. Overhead & Profit	15%	0.00	0.00
H&M Unit Prices:			
9. Unit Price (If Applicable)		0.00	0.00
H&M Subcontractors:			
10. Subcontractor (Attach Subcontractor Backup)		6,527.78	
11. Overhead & Profit (On Subcontractors)	10%	652.78	7,180.56
		Grand Subtotal =	7,180.56
13. P&P Bonds (On Grand Subtotal)	2%	143.61	
		Total of Proposal =	7,324.17

Time Extension Request: **0** Days
 Schedule Activity # Affected: _____ Does this effect the critical path? **No**

This Contractor agrees to perform the work outlined in this change proposal for the amount specified above

Eric Jones / VP _____

Date: _____

Owner/Architect _____

Date: _____

Subcontractor Name

Change Order Proposal

Project Valle Crucis School

COR #

Date

Reroute domestic water into Building A, as directed

			Subtotals
Material			
1 Total Cost of Materials (Attach Backup)		<u>\$2,306.06</u>	
2 Sales Tax	7.00%	<u>\$161.42</u>	
3 Overhead & Profit	10%	<u>\$246.75</u>	\$2,714.23
Labor			
4 Total Man Hour Cost (Attach Backup)		<u>\$1,230.00</u>	
5 Labor Burden (35% is Allowed)	35%	<u>\$430.50</u>	
6 Overhead & Profit	10%	<u>\$166.05</u>	\$1,826.55
Equipment Rental			
7 Equipment / Equipment Rental (Attach Backup)		<u>\$1,690.00</u>	
8 Overhead & Profit	10%	<u>\$169.00</u>	\$1,859.00
Unit Prices			
9 Unit Price (If Applicable)		<u>\$0.00</u>	\$0.00
Subcontractors			
10 Subcontractor (Attach Subcontractor Backup)		<u>\$0.00</u>	
11 Overhead & Profit (On Subcontractors)	10%	<u>\$0.00</u>	\$0.00
Grand Subtotal =			\$6,399.78
13 Bond If Required (On Grand Subtotal)	2%	<u>\$128.00</u>	
Total of Proposal =			\$6,527.78

Time Extension Request

Days

Schedule Activity # Affected

Does this effect the critical path?

This Contractor agrees to perform the work outlined in this change proposal for the amount specified above

Subcontractor _____

Date _____



Branch # 329

Office: 828-654-7376
 Fax: _____
 Cell: 828-713-3998
 E-mail: mindy.lee@hercrentals.com

Sales Rep: Mindy Lee

Date: 8/24/2023

Customer Information				Job Site Information			
Name	Bolton Construction			Name:	Bolton Construction		
Contact	Jeannie Hargis			Contact	Jeannie Hargis		
Address	169 Elk Mountain Rd			Address	TBD Valle Crucis/Boone		
City/State	Asheville			City/State	Valle Crucis		
Zip	28804			Zip			
Phone	828-253-3621			Phone	828-253-3621		
Fax				Fax			
E-mail	jeanniehargis@webolton.com			E-mail	jeanniehargis@webolton.com		

Quantity	Cat Class	Description	Rental Rates			Rental		Estimated Total
			Day	Week	4 Week	Term	Type	
1	200-1450	Track Skid	475	1131	2400	1	4W	\$2400.00
1	150-1070	Jumping Jack	100	300	500	1	4W	\$500.00
1	240-1710	Mini Excavator	695	* 1603	3300	1	4W	\$3300.00
1								
1								
1								
1								
1								
1								
1								
1								
1								
1								
1								
1								
1								
1								
1								
1								

Sale Items					
Quantity	Part #	Description	Unit Price	Unit of Measure	Extended Price
		Transportation is listed as round trip per one truck load **	\$250.00	Ea	
		within 30 miles of the branch**			

Rental quote is valid through 9/7/2023

Sub Total		\$6200.00
Transportation		\$500.00
Rental Protection Plan	N	Declined
E.E.S. ¹	1.98%	Y \$122.76
Estimated Taxes	9 25%	\$631.11
Estimated Total*		\$7,453.87

* Additional taxes may apply and vary by state and location

Comments:

Transportation charges are based on mileage, equipment weight, and permit costs. The Rental Protection Plan will be added to contracts unless a current and valid Certificate Of Insurance with adequate coverage is on file. Equipment must be returned clean and full of fuel. If applicable, our current refueling rate is \$10.99 per gallon. Fully charged equipment will be subject to a 1.98% ¹ Emissions and Environmental Surcharge and partially charged equipment will be subject to a 0.49% Emissions and Environmental Surcharge for each rental or each cycle bill.

The price quote is for information purposes only and does not constitute an offer to rent or sell goods or equipment. All rentals or sales shall be subject to the terms and conditions of Herc's Rental Contract or Sales Invoice.



169 Elk Mountain Rd
 P O Box 8609 (28814)
 Asheville NC 28804
 828-253-3621

Purchase Order

Order# 630076066

Date 11/07/2023

Bolton Construction and Service of WNC, Inc.

Project Valle Crucis School
 2736 Broadstone Road
 Banner Elk NC 28604

To: FEI-ASHEVILLE NC #09
 PO BOX 100286
 ATLANTA GA 30384-0286

Terms 15TH

Ship:

phone 828 274-0001 fax 828 274-2015

You are hereby requested to provide the following materials/services to the above named project per plans, specifications and addendums

Ordered By

Accepted By: _____ Date _____

Description	Unit	Quantity	Price	Amount
KHARDM20 3X20K HARD COP TUBE	EACH	60 00	30 17	1,810 30
C9M 3 WROT CXC 90 ELL 3-1/2 OD	EACH	4.00	36 18	144 74
CCM 3 WROT CXC COUP 3-1/8 OD	EACH	1 00	19 19	19 19
CRCMK 3X2 WROT CXC RED COUP	EACH	1 00	25 91	25 91
CFRKF 2X3/4 WROT FTGXC RED	EACH	1 00	11 68	11 68
PLS315S LS-315S LINK SEAL W/SS NUT & BLT	EACH	8 00	14.03	112 20
J153318 301 8 IDX1/2 S/SEAL PIPE INSUL	EACH	60 00	1.24	74.28
H15620F1 SS15 LF 15% SILV BRAZ ROD STK TUBE	EACH	1 00	99.40	99.40
PS0603 OPEN MESH CLO WP 1.5 X 10 YDS	EACH	1 00	8.36	8.36
PDWVRPK 4X2 PVC DWV RED COUP	EACH	1 00	8 32	8 32
PDWVRMK 3X2 PVC DWV RED COUP	EACH	1 00	4.25	4.25
PDWVLS9K 2 PVC DWV LS 90 ELL	EACH	4 00	3.37	13.48
PDWV4K 2 PVC DWV 45 ELL	EACH	3 00	1 91	5 72

WASTE

Net Total 31.77

Subtotal. 2,337.83
 - 31.77
2306.06

Notes

DELIVER TO JOBSITE - VALLE CRUCIS SCHOOL NO FRIDAY DELIVERIES

Terms. All changes to quantity, specification or price must be approved in writing All materials/services must be delivered to job site unless otherwise instructed in writing Failure to deliver materials or services in a timely fashion will release contractor from any obligation to purchase implied by this order

Subtotal	2 337 83
Sales Tax.	157 80
Total Order	2,495.63

See reverse side for additional terms and conditions



Change Order Proposal

Project: Valle Crucis School

COR #: **54**

Date: **1.30.24**

Description of Change: Credits for removal of depressed slabs

			Subtotals
H&M Material:			
1. Total Cost of Materials (Attach Backup)			
2. Sales Tax	6.75%	0.00	
3. Overhead & Profit	15%	0.00	0.00
H&M Labor:			
4. Total Man Hour Cost (Attach Backup)		0.00	
5. Labor Burden (Enter Percentage)	41%	0.00	
6. Overhead & Profit	15%	0.00	0.00
H&M Equipment Rental:			
7. Equipment / Equipment Rental (Attach Backup)		0.00	
8. Overhead & Profit	15%	0.00	0.00
H&M Unit Prices:			
9. Unit Price (If Applicable)		0.00	0.00
H&M Subcontractors:			
10. Subcontractor (Attach Subcontractor Backup)		(1,285.36)	
11. Overhead & Profit (On Subcontractors)	10%	(128.54)	(1,413.90)
		Grand Subtotal =	(1,413.90)
13. P&P Bonds (On Grand Subtotal)	2%	(28.28)	
		Total of Proposal =	(1,442.17)

Time Extension Request: **0** Days
 Schedule Activity # Affected: _____ Does this effect the critical path? **No**

This Contractor agrees to perform the work outlined in this change proposal for the amount specified above

Eric Jones / VP _____

Date: _____

Owner/Architect _____

Date: _____

WATAUGA COUNTY
VALLE CRUCIS SCHOOL

BROADSTONE ROAD
VALLE CRUCIS, NC

DESIGNER

CLARK NEXSEN

301 COLLEGE STREET, SUITE 300
ASHEVILLE, NORTH CAROLINA 28801
828.232.0608

CORPORATE SEAL



PROFESSIONAL SEAL



SUBMITTAL

08.01.2022

REVISIONS

7 02.06.23 REVISION 7

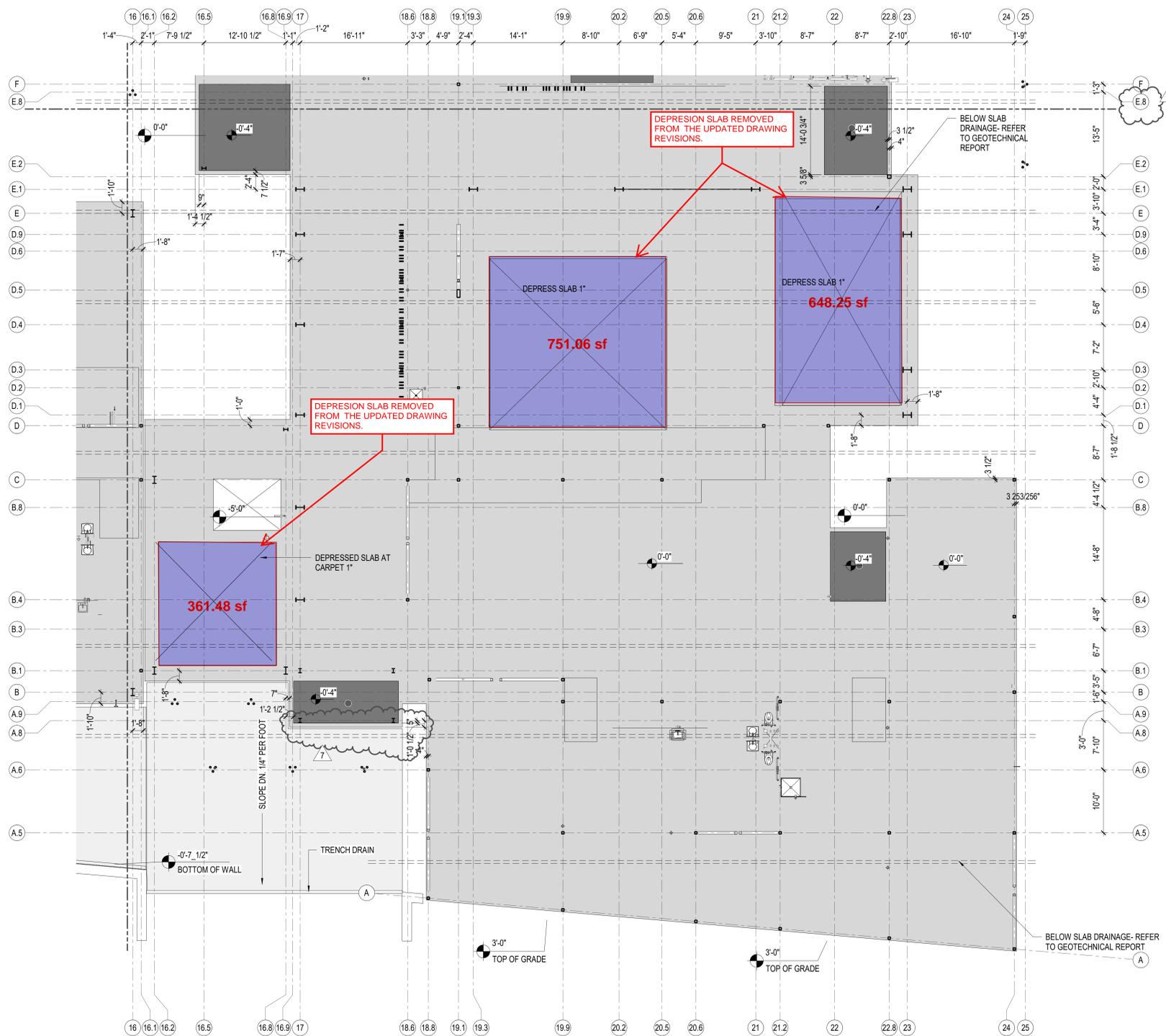
KEY PLAN

SHEET
LEVEL 1 SLAB EDGE PLAN - AREA B

A113

DESIGN: Designer
DRAWN: Author
REVIEW: Checker

CN 9390



A1 LEVEL 1 SLAB EDGE PLAN - AREA B
A113 1/8" = 1'-0" REF A11/A110

2/8/2023 3:50:38 PM
C:\New Projects\041624_VC_21_Eve_Schematic.dwg

WATAUGA COUNTY
VALLE CRUCIS SCHOOL

BROADSTONE ROAD
VALLE CRUCIS, NC

DESIGNER

CLARK NEXSEN

301 COLLEGE STREET, SUITE 300
ASHEVILLE, NORTH CAROLINA 28801
828.232.0608

CORPORATE SEAL



PROFESSIONAL SEAL



SUBMITTAL

08.01.2022

REVISIONS

7	02.06.23	REVISION 7
8	03.31.23	REVISION 8
11	06.15.23	REVISION 11

KEY PLAN

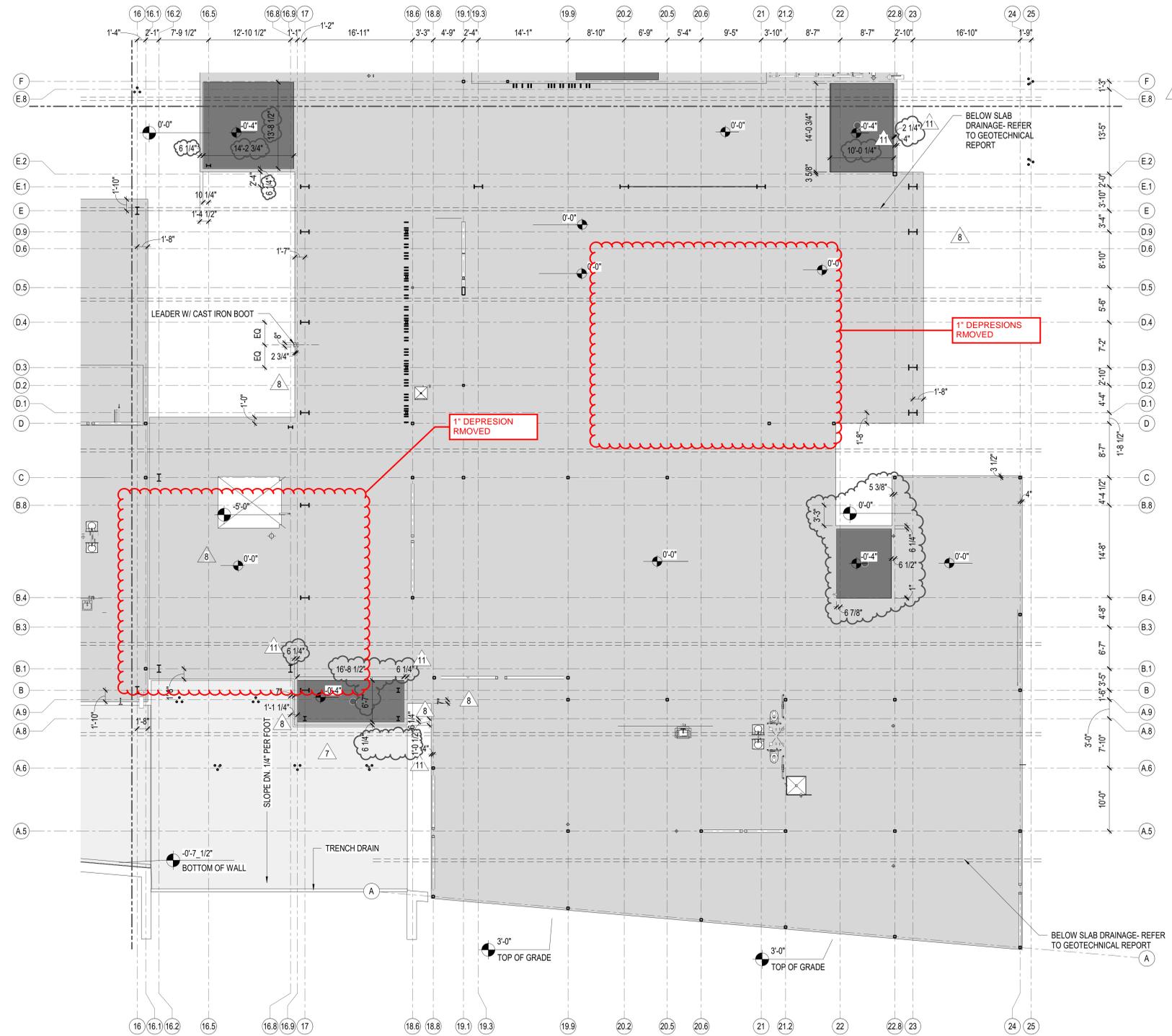
SHEET

LEVEL 1 SLAB EDGE PLAN - AREA B

A113

DESIGN: Designer
DRAWN: Author
REVIEW: Checker

CN 9390



WATAUGA COUNTY
VALLE CRUCIS SCHOOL

BROADSTONE ROAD
VALLE CRUCIS, NC

DESIGNER

CLARK NEXSEN

301 COLLEGE STREET, SUITE 300
ASHEVILLE, NORTH CAROLINA 28801
828.232.0608

CORPORATE SEAL



PROFESSIONAL SEAL



SUBMITTAL

08.01.2022

REVISIONS

8	03.31.23	REVISION 8
10	05.08.23	REVISION 10

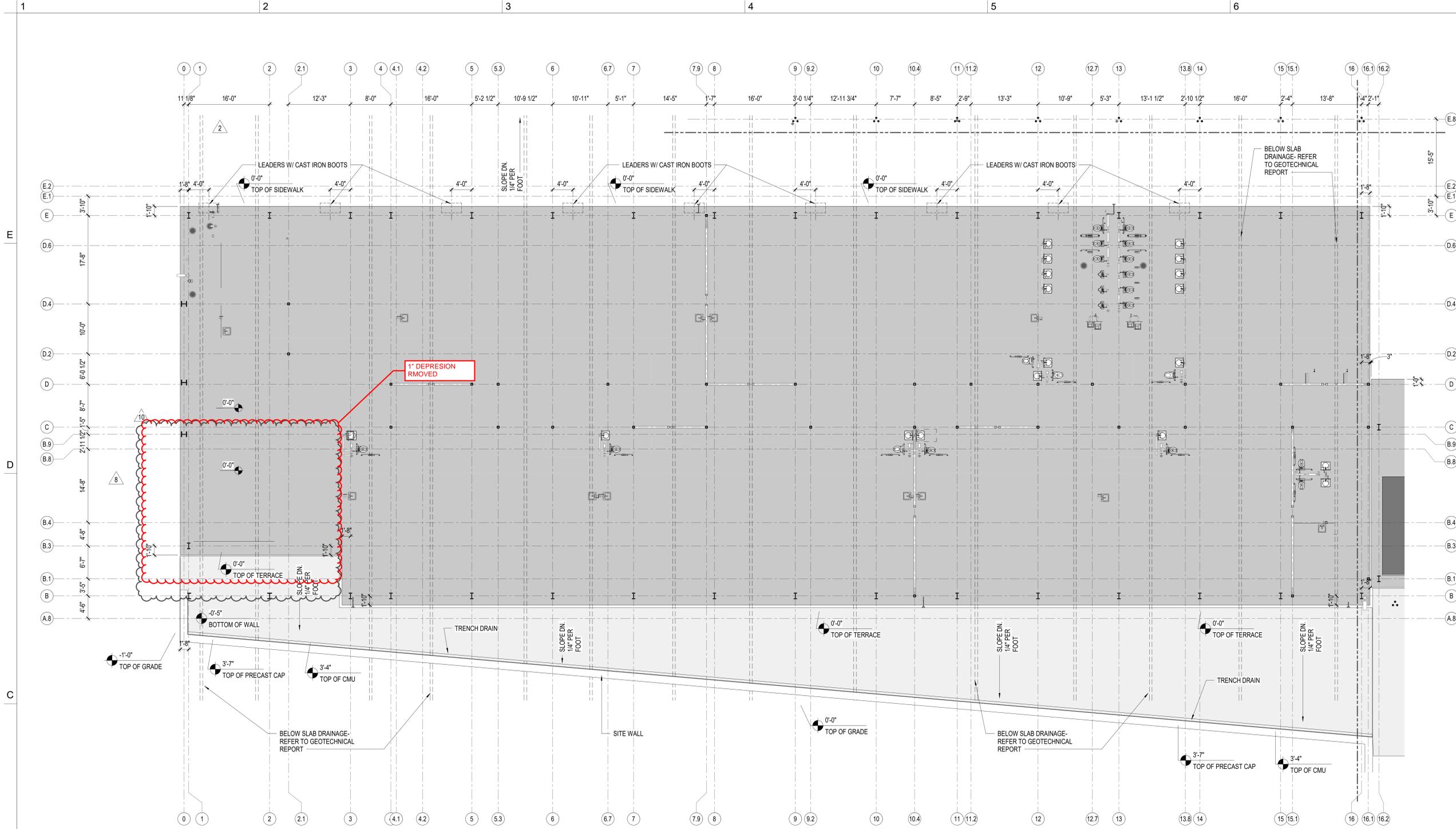
KEY PLAN

SHEET
LEVEL 1 SLAB EDGE PLAN - AREA C

A114

DESIGN: Designer
DRAWN: Author
REVIEW: Checker

CN 9390



B1
A114 LEVEL 1 SLAB EDGE PLAN - AREA C
1/8" = 1'-0" REF A1 / A110



Change Order Proposal

Project: Valle Crucis School

COR #: **60**

Date: **2/26/2024**

Description of Change: Reorder glass (C.14) per RFI 268-R1.

H&M Material:			Subtotals
1. Total Cost of Materials (Attach Backup)		<u>0.00</u>	
2. Sales Tax	6.75%	<u>0.00</u>	
3. Overhead & Profit	15%	<u>0.00</u>	0.00
H&M Labor:			
4. Total Man Hour Cost (Attach Backup)		<u>0.00</u>	
5. Labor Burden (Enter Percentage)	41%	<u>0.00</u>	
6. Overhead & Profit	15%	<u>0.00</u>	0.00
H&M Equipment Rental:			
7. Equipment / Equipment Rental (Attach Backup)		<u>0.00</u>	
8. Overhead & Profit	15%	<u>0.00</u>	0.00
H&M Unit Prices:			
9. Unit Price (If Applicable)		<u>0.00</u>	0.00
H&M Subcontractors:			
10. Subcontractor (Attach Subcontractor Backup)		<u>2,950.99</u>	
11. Overhead & Profit (On Subcontractors)	10%	295.10	3,246.09
		Grand Subtotal =	3,246.09
13. P&P Bonds (On Grand Subtotal)	2%	<u>64.92</u>	
		Total of Proposal =	3,311.01

Time Extension Request: **0** Days
 Schedule Activity # Affected: _____ Does this effect the critical path? **No**

This Contractor agrees to perform the work outlined in this change proposal for the amount specified above

Eric Jones / VP _____

Date: _____

Owner/Architect _____

Date: _____

Subcontractor Name

Change Order Proposal

Project: Valle Crucis School

COR #: **3**

Date: **2/23/2024**

Description of Change: New glass for C.14

			Subtotals
Material:			
1. Total Cost of Materials (Attach Backup)		<u>\$2,135.00</u>	
2. Sales Tax	6.75%	<u>\$144.11</u>	
3. Overhead & Profit	10%	<u>\$227.91</u>	\$2,507.02
Labor:			
4. Total Man Hour Cost (Attach Backup)		<u>\$260.00</u>	
5. Labor Burden (35% is Allowed)	35%	<u>\$91.00</u>	
6. Overhead & Profit	10%	<u>\$35.10</u>	\$386.10
Equipment Rental:			
7. Equipment / Equipment Rental (Attach Backup)		<u>\$0.00</u>	
8. Overhead & Profit	10%	<u>\$0.00</u>	\$0.00
Unit Prices:			
9. Unit Price (If Applicable)		<u>\$0.00</u>	\$0.00
Subcontractors:			
10. Subcontractor (Attach Subcontractor Backup)		<u>\$0.00</u>	
11. Overhead & Profit (On Subcontractors)	10%	<u>\$0.00</u>	\$0.00
Grand Subtotal =			\$2,893.12
13. Bond If Required (On Grand Subtotal)	2%	<u>\$57.86</u>	
Total of Proposal =			\$2,950.99

Time Extension Request: **0** Days
 Schedule Activity # Affected: **0** Does this effect the critical path? **No**

This Contractor agrees to perform the work outlined in this change proposal for the amount specified above

Subcontractor _____

Date: _____

PCO#03



PROJECT NAME: Valle Crucis
DATE: 2/23/2024
SUBMIT TO: Nathan Whiddon
COMPANY: H&M Constructors
ADDRESS: 187 Deaverview Rd. - Ashville - NC - 28806

CHANGE ORDER REFERENCE: New glass for C.14

DESCRIPTION OF WORK	LABOR	MATERIALS	OTHER
	\$ -	\$ -	\$ -
74 sq/ft on new insulated glass for decreasing frame size for C.14	\$ -	\$ -	\$ -
74 sq/ft x \$28.85 per sq ft =	\$ -	\$ 2,135.00	\$ -
	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -
Extra glass handling - 2 men x 2 hrs x 65.00 + 35% burden	\$ 351.00	\$ -	\$ -
	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -
Bond	\$ -	\$ -	\$ 57.86
	\$ -	\$ -	\$ -
SUB-TOTAL:	\$ 351.00	\$ 2,135.00	\$ 57.86
	SALES TAX:	\$ 144.11	\$ -
	5% O/H:	\$ 17.55	\$ -
	5% Profit:	\$ 17.55	\$ -
	BONDING if Required:	\$ -	\$ -
	TOTAL:	\$ 386.10	\$ 57.86
TOTAL AMOUNT OF CHANGE ORDER:	\$2,951		

Time Impact: _____

Notes:

Customer Acceptance Signature X _____



QUOTE

484429

CUSTOMER PO#
ERIC KRZYZANOWSKI

CUSTOMER: A-1 GLASS & ALUMINUM, LLC
6161 MCDANIEL LANE
CHARLOTTE, NC 28213

DATE: 02/20/25

TEL: 704-528-0541 FAX: 17045280589

DATE DUE: PROJECT/JOB: VALLE CRUCIS SCHOOL
SHIP VIA: See Details
SALES REP: John Goldner

CUST. DELV. DATE: PHONE: 704-996-9464

DELIVER TO: A-1 GLASS & ALUMINUM, LLC
JOBSITE/ CRATED
BANNER ELK, NC 28604
704-528-0541

LINE	QTY	DIMENSIONS	DESCRIPTION	AREA	PRICE/SQFT	TOTAL
1	14000		1"IG CRATED 1/4SOLARBAN 70 FT 1/2"Black / Alum. 1/4CLEAR FT Gas:Argon Seal:DS Sil Blk coated on surface(s): 2		28.85	
2	600		Tag: STANDARD SHAPES 1"IG CRATED 1/4SOLARBAN 70 FT 1/2"Black / Alum. 1/4CLEAR FT Gas:Argon Seal:DS Sil Blk coated on surface(s): 2		32.55	
3	3350		1/2CLEAR FT CRATED		15.05	

TOTAL PCS.	WEIGHT:	AREA:	SUM: \$
NOTES:			FREIGHT: \$
			TAX: \$
			TOTAL: \$

REASON: TERMS: PAGE:



QUOTE

484429

CUSTOMER PO#
ERIC KRZYZANOWSKI

CUSTOMER:	041624 BCC Meeting DATE: 02/20/23
A-1 GLASS & ALUMINUM, LLC 6161 MCDANIEL LANE CHARLOTTE, NC 28213	
TEL: 704-528-0541	FAX: 17045280589

DATE DUE:	CUST. DELV. DATE:
PROJECT/JOB: VALLE CRUCIS SCHOOL	
SHIP VIA: See Details	
SALES REP: John Goldner	PHONE: 704-996-9464

DELIVER TO:
A-1 GLASS & ALUMINUM, LLC JOBSITE/ CRATED BANNER ELK, NC 28604
704-528-0541

LINE	QTY	DIMENSIONS	DESCRIPTION	AREA	PRICE/ SQFT	TOTAL
			<p>*Quote number must appear on your purchase order.</p> <p>Energy Surcharge = 16% A current Energy Surcharge rate will be applied to each billed invoice at the time of invoicing and is subject to change at the seller's discretion.</p> <p>Quote issued on 01/04/23 Quote updated on 02/20/23 Quote is valid for 60 days. Letters of intent on projects 10,000 sq ft and more submitted prior to the 60 day's expiration will receive an additional 180-day price lock. Letters of intent must be on company's letter head and must include reference to Press Glass quote number, the project name, glass make up, the project's location, approximate square footage, anticipated purchase order date and duration of the project. After expiration of price validity, Press Glass reserves the right to apply 5% per 6 months cost escalation increase to each new purchase order release. This cost escalation increase will automatically apply after the expiration of each 180-day period following the initial price validity.</p> <p>Crating in standard 2,500 lb crates = NO CHARGE. If special crating instructions are given, creating crates weighing less than 1,800 lbs, add \$400 per lite crate.</p> <p>Final and total cost of transport will be confirmed after receipt of the order. Due to the ongoing COVID-19 Pandemic, transport rates and transport availability are subject to changes up until 1 week prior to product shipment.</p> <p>Please note: JOBSITES - A delivery fee may be assessed for</p>			

TOTAL PCS:	WEIGHT:	AREA:			
NOTES:			SUM: \$		
			FREIGHT: \$		
			TAX: \$		
			TOTAL: \$		

REASON:	TERMS:	PAGE:
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QUOTE

484429

CUSTOMER PO#
ERIC KRZYZANOWSKI

CUSTOMER: A-1 GLASS & ALUMINUM, LLC
6161 MCDANIEL LANE
CHARLOTTE, NC 28213

DATE: 04/16/24 BCC Meeting
02/20/25

TEL: 704-528-0541 FAX: 17045280589

DATE DUE: PROJECT/JOB: VALLE CRUCIS SCHOOL
SHIP VIA: See Details
SALES REP: John Goldner

CUST. DELV. DATE: PHONE: 704-996-9464

DELIVER TO: A-1 GLASS & ALUMINUM, LLC
JOBSITE/ CRATED
BANNER ELK, NC 28604
704-528-0541

LINE	QTY	DIMENSIONS	DESCRIPTION	AREA	PRICE/ SQFT	TOTAL
			<p>deliveries less than 2,000 sf per total delivered release.</p> <p>A take-off was not provided. Prices are estimates and final pricing is subject to review of actual production sizes.</p> <p>Silicone: 1/2" (12mm) is a standard sightline and is included in the price. Increase sightline: 1/16"(1.5mm): +0.30 per sq ft</p> <p>Minimum charges: 3 sq ft minimum - Monolithic 5 sq ft minimum - Sputter coat low-e (soft) Invoiced dimensions are rounded up to the next even inch.</p> <p>Pattern Charge: \$ see above Price based on standard shapes (Arch, Trap) based on a size less than 25 sq ft (Patterns over 25 sq ft contact factory) Standard price is based on a detailed drawing from customer. PLEASE NOTE!: Patterns requiring a digitized CAD drawing to insure accuracy may be subject to a \$15 per pattern fee. **Non standard shapes see factory for detailed pricing.**</p> <p>Important information on "Heat Treating" Kind HS or FT. Press Glass heat treats by horizontal (roller hearth) process with roll-wave distortion parallel to bottom edge of glass on base (width) dimensions 84" or less. Base dimension >84" will have vertical roller-wave pattern.</p> <p>Size ratio 10:1 or greater, or items with a dimension smaller than 12" must have approval for production.</p> <p>All prices based on standard sizes unless listed separately. Standard size = less than 50 sq ft Please verify your glass type restrictions with factory.</p> <p>Oversized item = Any criteria listed below</p>			

TOTAL PCS:	WEIGHT:	AREA:			
NOTES:			SUM: \$		
			FREIGHT: \$		
			TAX: \$		
			TOTAL: \$		

REASON: TERMS: PAGE:



QUOTE

484429

CUSTOMER PO#
ERIC KRZYZANOWSKI

CUSTOMER:	041624 BCC Meeting
A-1 GLASS & ALUMINUM, LLC	DATE: 02/20/25
6161 MCDANIEL LANE	
CHARLOTTE, NC 28213	
TEL: 704-528-0541	FAX: 17045280589

DATE DUE:	CUST. DELV. DATE:
PROJECT/JOB: VALLE CRUCIS SCHOOL	
SHIP VIA: See Details	
SALES REP: John Goldner	PHONE: 704-996-9464

DELIVER TO:
A-1 GLASS & ALUMINUM, LLC
JOBSITE/ CRATED
BANNER ELK, NC 28604
704-528-0541

LINE	QTY	DIMENSIONS	DESCRIPTION	AREA	PRICE/SQFT	TOTAL
			<p>Sizes over 50 sq ft up to 65 sq ft add 30%</p> <p>Sizes over 65 sq ft up to 75 sq ft add 50%</p> <p>Oversize items must have technical review for approval.</p> <p>Please verify your glass type restrictions with factory.</p> <p>A specification review will not be provided with this quotation.</p> <p>This quote is our best interpretation of the provided information at the time of quotation.</p> <p>Please review all items and notify PGI of any discrepancies.</p> <p>ITEMS OMITTED ARE EXCLUDED</p> <p>Press Glass Standard Terms and Conditions apply to this quote. Acceptance of this quotation is an acceptance of terms.</p> <p>** 3% will be added to total invoice paid by credit card.</p> <p>Press Glass, Inc will be responsible for remitting sales tax to taxing authorities only to the extent it is billed to you and remitted to Press Glass, Inc.</p>			

TOTAL PCS:	17950	WEIGHT:	113280.02	AREA:	17950.00	
NOTES:					SUM: \$	
					FREIGHT: \$	
					TAX: \$	0.00
					TOTAL: \$	473,667.50

REASON:	TERMS: Net 30 days	PAGE:
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Change Order Proposal

Project: Valle Crucis School

COR #: **61**

Date: **2/26/2024**

Description of Change: Addition of Band Sink Per RFI 290

			Subtotals
H&M Material:			
1. Total Cost of Materials (Attach Backup)		0.00	
2. Sales Tax	6.75%	0.00	
3. Overhead & Profit	15%	0.00	0.00
H&M Labor:			
4. Total Man Hour Cost (Attach Backup)		0.00	
5. Labor Burden (Enter Percentage)	41%	0.00	
6. Overhead & Profit	15%	0.00	0.00
H&M Equipment Rental:			
7. Equipment / Equipment Rental (Attach Backup)		0.00	
8. Overhead & Profit	15%	0.00	0.00
H&M Unit Prices:			
9. Unit Price (If Applicable)		0.00	0.00
H&M Subcontractors:			
10. Subcontractor (Attach Subcontractor Backup)		2,331.00	
11. Overhead & Profit (On Subcontractors)	10%	233.10	2,564.10
		Grand Subtotal =	2,564.10
13. P&P Bonds (On Grand Subtotal)	2%	51.28	
		Total of Proposal =	2,615.38

Time Extension Request: **0** Days
 Schedule Activity # Affected: _____ Does this effect the critical path? **No**

This Contractor agrees to perform the work outlined in this change proposal for the amount specified above

Eric Jones / VP _____

Date: _____

Owner/Architect _____

Date: _____



February 26 2024

H&M Contractors
PO Box 16589
Asheville NC 28816

Attention: Eric Jones

**Reference Valle Crucis School
Plumbing Change RFI # 290 Add Utility Sink**

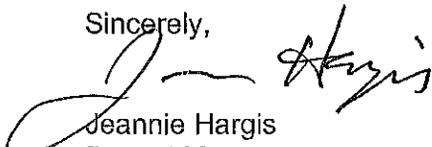
Dear Eric

The following change order is for the additional materials, labor, equipment and tools required to install a new Utility Sink in the Band Room per RFI #290

Total Amount of this Change Order \$2331 00 (see attachments)

If you have any questions, please do not hesitate to contact our office

Sincerely,



Jeannie Hargis
Project Manager

Bolton Construction and Service of WNC, Inc.

If you accept the above Change Order Request, please sign/date and return.

Signature: _____ Date: _____

Subcontractor Name

Change Order Proposal

Project Valle Crucis School

COR #

Date

Description of Change: RFI #290 BAND ROOM SINK ADDITION

			Subtotals
Material			
1 Total Cost of Materials (Attach Backup)		<u>\$1,197 50</u>	
2 Sales Tax	7 00%	<u>\$83 83</u>	
3 Overhead & Profit	10%	<u>\$128 13</u>	\$1,409.46
Labor			
4 Total Man Hour Cost (Attach Backup)		<u>\$329.38</u>	
5 Labor Burden (35% is Allowed)	35%	<u>\$115 28</u>	
6 Overhead & Profit	10%	<u>\$44 47</u>	\$489 13
Equipment Rental			
7 Equipment / Equipment Rental (Attach Backup)		<u>\$0.00</u>	
8 Overhead & Profit	10%	<u>\$0 00</u>	\$0.00
Unit Prices			
9 Unit Price (If Applicable)		<u>\$0.00</u>	\$0.00
Subcontractors			
10 Subcontractor (Attach Subcontractor Backup)		<u>\$393 00</u>	
11 Overhead & Profit (On Subcontractors)	10%	<u>\$39 30</u>	\$432 30
Grand Subtotal =			\$2,330 89
13 Bond If Required (On Grand Subtotal)	0%	<u>\$0 00</u>	
Total of Proposal			\$2,330.89

\$2331.⁸⁹/₁₀₀

Time Extension Request

Days

Schedule Activity # Affected

Does this effect the critical path?

This Contractor agrees to perform the work outlined in this change proposal for the amount specified above

Subcontractor _____

Date _____



**Quotation
(Reprint)**

**040 HAJOCA ASHEVILLE
132 SWANNANOA RIVER RD
ASHEVILLE NC 28805-2215
828-254-6111 Fax 828-253-2996**

QUOTE DATE		QUOTE NUMBER	
02/21/24		S033008861	
QUOTED BY			PAGE NO
040 HAJOCA ASHEVILLE 132 SWANNANOA RIVER RD ASHEVILLE NC 28805-2215 828-254 6111 Fax 828-253 2996			1 of 1

Printed 14 37 41 21 FEB 2024

QUOTE TO
WE BOLTON CONST & SERVICES INC
P O BOX 8609
ASHEVILLE, NC 28814

SHIP TO
VALLE CRUCIS SCHOOL
2736 BROADSTONE ROAD
BANNER ELK, NC 28604-9044

QUOTED FOR		CUSTOMER PURCHASE ORDER NUMBER	CUSTOMER RELEASE NUMBER	SALESPERSON	
JEANNIE		add sink		Jeff Church	
WRITER	SHIP VIA	TERMS	EXPIRATION DATE	FREIGHT ALLOWED	
Jeff Holsclaw	OT OUR TRUCK	2% 10TH PROX NET 25TH	04/06/24	Yes	
QUOTE QTY	QUO PART#	DESCRIPTION	NET PRC	EXT PRC	
1ea	1962002	ADVANCE TABCO 4-41-24-X 1-COMPARTMENT SCULLERY SINK	1006 950/ea	1006 95	
1ea	1755873	ADVANCE TABCO K-112 SPLASH MOUNTED FAUCET 12" SPOUT	0 000/ea	0 00	
1ea	1477453	MCGUIRE 151AM STRAINER BSKT SS LOCKCUP STICK POST RUB STOP W/17 GA 4 TLPC	0 000/ea	0 00	
1ea	317417	MCG 8912CBECO 11/2 CP P TRAP	0 000/ea	0 00	
1ea	1207901	MCGUIRE LF170LK SUPPLY FLEX LAV CHROME LK 1/2 SWT W/5 X 3/8OD LEAD FREE * * *** if req'd *** * *	0 000/ea	0 00	
N/A	1ea	1605701 CHICAGO 131-CFMABRCF MIXING VLV	182 228/ea	182.23	
1ea	1415342	ADVANCE TABCO K-06 FAUCET MOUNTING KIT	57 013/ea	57 01	
TAXES NOT INCLUDED					
				Subtotal	1246.19
				Bid Total	1246.19

Prices contained in this quote are the prices in effect at the time of quotation and are subject to change at any time. We are not responsible for inaccurate quantity descriptions. Quantities should be checked against plans and specifications for accuracy. Special order material is non cancellable. We are not responsible for delays not within our control.

\$1,063.96



Quotation

040 HAJOCA ASHEVILLE
132 SWANNANOA RIVER RD
ASHEVILLE NC 28805-2215
828-254-6111 Fax 828-253-2996

QUOTE DATE	QUOTE NUMBER
02/22/24	S033013350
QUOTED BY	PAGE NO.
040 HAJOCA ASHEVILLE 132 SWANNANOA RIVER RD ASHEVILLE NC 28805-2215 920-254 6111 Fax 920-253 2996	1 of 1

Printed 09 53 41 22 FEB 2024

QUOTE TO
 WE BOLTON CONST & SERVICES INC
 P O BOX 8609
 ASHEVILLE, NC 28814

SHIP TO
 VALLE CRUCIS SCHOOL
 2736 BROADSTONE ROAD
 BANNER ELK, NC 28604-9044

828-253-3621

QUOTED FOR	CUSTOMER PURCHASE ORDER NUMBER	CUSTOMER RELEASE NUMBER	SALES PERSON	
JEANNIE	SINK ADD RI	SINK ADD RI	Jeff Church	
QUOTED BY	SHIP TO	TERMS	EXPIRATION DATE	PAYMENT ALLOWED
Jeff Church	OT OUR TRUCK	2% 10TH PROX NET 25TH	04/07/24	Yes
QUANTITY	QUANTITY	DESCRIPTION	NET PPS	EXT PPS
1ea	3977	2X1 1/2 CI NH SAN TAP CROSS	29.648/ea	29 65
1ea	4076	JONES T76-150 1-1/2 MIPXSJ BRASS WASTE CONN NOT FOR POTABLE WATER USE	9.696/ea	9.70
2ea	431542	NIB PC611 1/2 PRESS TEE	3 206/ea	6 41
6ea	431533	NIB PC607 1/2 PRESSXPRESS 90 ELBOW	1 956/ea	11 74
20ft	2264	1/2X20 L HARD COPPER TUBE	2 275/ft	45 50
40ft	2244924	HYDRAPRO ATR263G3810 3/8X10 PLT ALL THREAD ROD	0 415/ft	16 61
4ea	5548	ANV 92 3/8 GALV TOP BEAM CLAMP	1 277/ea	5 11
4ea	3331	ANVIL 260 2 GALV STEEL ADJ CLEVIS HGR	2 205/ea	8 82
TAXES NOT INCLUDED				
			Subtotal	133.54
			Bid Total	133.54

Prices contained in this quote are the prices in effect at the time of quotation and are subject to change at any time. We are not responsible for inaccurate quantity descriptions. Quantities should be checked against plans and specifications for accuracy. Special order material is non-cancellable. We are not responsible for delays not within our control.



KIRBY- CUNDIFF INSULATION *Established 1986*

PO Box 19345 Roanoke VA 24019
263 Industrial Drive Hollins VA 24019

Cont. Lic. No 2701-029433A
KVI SWAM # 656 816

ph (540) 992-3960
fax (540) 992-4796

Date: 2/22/24

To: Bolton

Reference Valle Crucis School (CO Band Room Sink)

Attn: Jeannie Hargis

We propose to provide insulation per plans and specifications for the sum of \$

Furnishing labor and material needed to insulate Plumbing System as shown on drawings (dated 8/8/22) prepared by Clark Nexsen Engineers as follows.

- Domestic Cold Water Pipe 1" thick Fiberglass ASJ
- Hot/Return Water Pipe -- 1" thick Fiberglass ASJ up to 1 1/4" pipe 1 1/2" thick Fiberglass ASJ on larger pipe
- Roof/Overflow Drain Pipe (Horizontal & Vertical) -- 1" thick Fiberglass ASJ
- *Aluminum Jacket on Exposed Pipe up to 6' AFF
- 5W 120V Heat Tape and thermostats on piping noted on PP101

CO: Band Room Sink \$393.00
Add for extra hot and cold water piping to added band room sink

We do not include painting, marking, duct liner, heat tape, removing existing insulation, or fire stop.

All surfaces that require insulation must be free of debris including fire proofing. Penetrations must be sized to allow for insulation where required. We do not make allowance for wage scale. We do not make allowance for use of grooved couplings.

Thank you for allowing us to submit this proposal. Please let us know if we can do this work for you.

Very truly

Daniel Hargis
Estimator / Project Manager
d.h. @ kirbycundiff.com



Insulation • Firestopping • Heat Tracing • Abatement & Demolition • Concrete Sawing & Coring
Scaffolding • Safety Supply • Duct Cleaning



H&M Constructors
 187 Deaverview Road
 Asheville North Carolina 28806-1707
 P 828.254.6141
 F 828.254.8696

Project: 06B0000313 Valle Crucis School
 2736 Broadstone Road
 Banner Elk, North Carolina 28604

RFI #290: Band Room Sink Addition

Status Open

To Ruth Freeman (Clark-Nexsen) **From** Nathan Whiddon (H&M Constructors)

Date Initiated Feb 20 2024 **Due Date** Mar 5, 2024

Location Band Room **Project Stage**

Cost Impact **Schedule Impact**

Spec Section 224216 - Commercial Lavatories **Cost Code**

Drawing Number **Reference**

Linked Drawings

Received From Nathan Whiddon (H&M Constructors)

Copies To Ruth Freeman (Clark-Nexsen) Jeannie Hargis (Bolton Construction & Service of WNC, Inc. (Plumbing)) Eric Jones (H&M Constructors) Bobby Miller (H&M Constructors) Eve Szentesi (Clark-Nexsen)

Activity

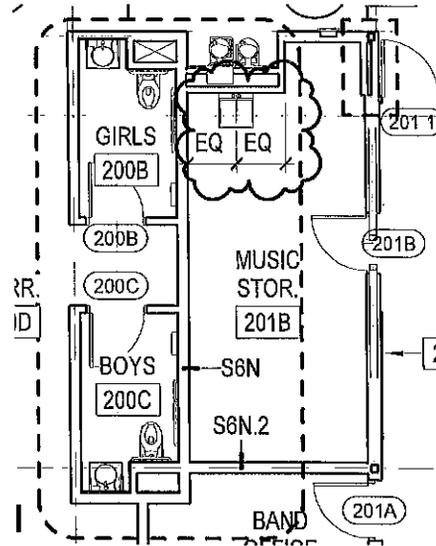
Question **Question from Nathan Whiddon H&M Constructors on Tuesday, Feb 20, 2024 at 07:13 AM EST**
 Please advise where the band room sink will be located and provide a cutsheet of said sink.

Awaiting an Official Response

CN Response CES 02 20.24

The school would like to have a utility sink in Music Storage 201B as shown on the sketch below. We can catch the drain on the same stack as the water cooler. Cold water is already in this location. We will have to add hot water.

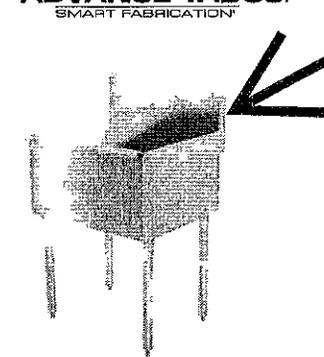
Please see the attached cutsheets OF THE BASIS OF DESIGN PRODUCT. OTHER MANUFACTURERS LISTED IN THE SPECIFICATIONS ARE ALSO ACCEPTABLE if you would like to propose an alternate product.



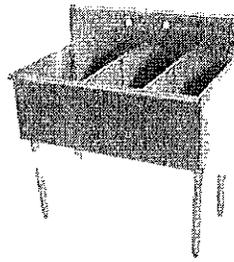


STAINLESS STEEL
SQUARE CORNER SCULLERY
BUDGET SINKS
400 Series "600" Series

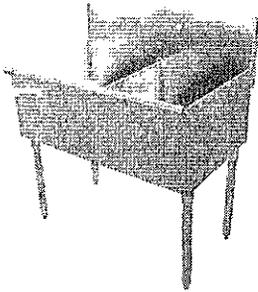
Item #:	Qty #:
Model #:	
Project #:	



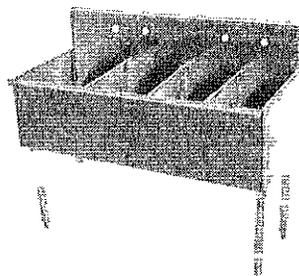
ONE COMPARTMENT



THREE COMPARTMENT



TWO COMPARTMENT



FOUR COMPARTMENT

MATERIAL:

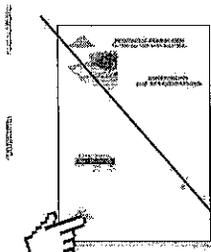
400 Series is 16 gauge type 430 Series
600' Series is 16 gauge type 304 Series
Galvanized tubular legs
1 adjustable plastic bullet feet.

CONSTRUCTION:

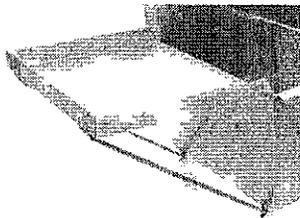
All heli-arc welded
Welded areas blended to match adjacent surfaces and to a satin finish

MECHANICAL:

Supply is 1/2" hot & cold
Faucet holes on 8" O.C.
Waste drains are 1 1/2" IPS basket type and are included
Faucets are not included (see accessories)
Four compartment units require two faucets
Three compartment units with 24" sink bowls require two faucets



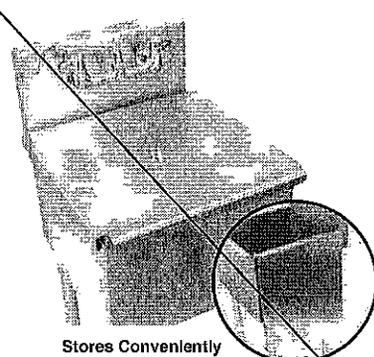
Click This Link To View Drainboard Specs



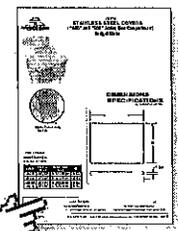
DETACHABLE DRAINBOARDS

Size	18 Ga. S/S "430"	Wt.
18 x 18	N-5-818	10 lbs
21 x 18	N-5-18	11 lbs
21 x 24	N-5-24	12 lbs.
21 x 30	N-5-30	22 lbs
21 x 36	N-5-36*	25 lbs
21 x 48	N-5-48*	28 lbs
24 x 24	N-54-24	18 lbs
24 x 36	N-54-36*	32 lbs
24 x 48	N-54-48*	36 lbs

*Drainboards 36" and 48" are supplied with legs for support



Stores Conveniently On Side Of Sink



Click This Link To View S/S Cover Specs

STAINLESS STEEL SINK COVERS FOR ONE COMPARTMENT BUDGET SINKS

Size	MODEL	Wt.
18" x 18'	LSC-81	20 lbs
21 x 24	LSC-24	21 lbs.
24 x 24	LSC-242	22 lbs
24 x 36'	LSC-36	23 lbs.



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For Orders & Customer Service:

Email: customer@advancetabco.com or Fax: 631-242-6900

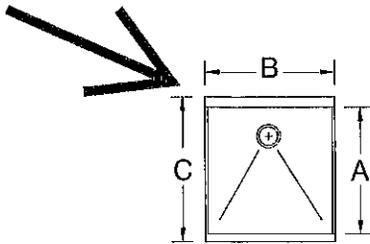
For Smart Fabrication™ Quotes.

Email: smartfab@advancetabco.com or Fax: 631-586-2933

DIMENSIONS and SPECIFICATIONS

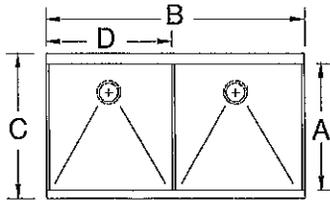
TOL Overall ± .500' Interior ± .250'

ALL DIMENSIONS ARE TYPICAL



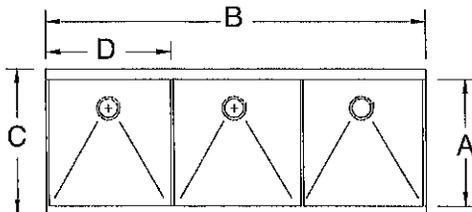
ONE COMPARTMENT

A	B	C	"400" Series 16 Ga. S/S "430"	"600" Series 16 Ga. S/S "300"	Ship Weight
18	18	21 1/2'	4-81 18	6-81 18	45 lbs.
21	18'	24 1/2'	4-1 18	N/A	47 lbs.
21	24	24 1/2'	4-1-24	6-1-24	53 lbs.
21	36	24 1/2'	4-1-36	6-1-36	66 lbs.
24	24	27 1/2'	4-41-24	6-41-24	53 lbs.
24	36'	27 1/2'	4-41-36	6-41-36	69 lbs.



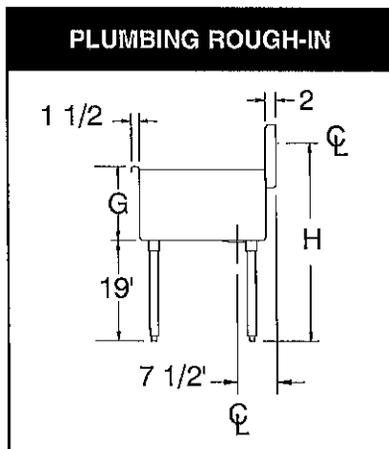
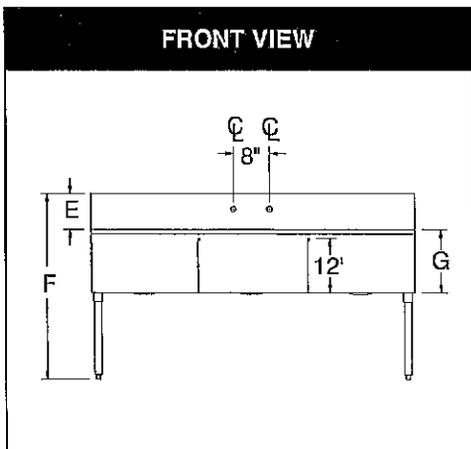
TWO COMPARTMENTS

A	B	C	D	"400" Series 16 Ga. S/S "430"	"600" Series 16 Ga. S/S "300"	Ship Weight
21	36	24 1/2'	18	4-2-36	6-2-36	73 lbs.
21	48	24 1/2'	24	4-2-48	6-2-48	86 lbs.
21	60	24 1/2'	30	4-2-60	N/A	100 lbs.
24	48	27 1/2'	24	4-42-48	6-42-48	88 lbs.



THREE COMPARTMENTS

A	B	C	D	"400" Series 16 Ga. S/S "430"	"600" Series 16 Ga. S/S "300"	Ship Weight
21	36'	24 1/2'	12	4-3-36	6-3-36	78 lbs.
21	48	24 1/2'	16	4-3-48	6-3-48	91 lbs.
21	54	24 1/2'	18	4-3-54	6-3-54	98 lbs.



	18" & 21" Front to Back Models	24" Front to Back Models
E	8	6
F	41	39'
G	14	13
H	37 3/4	35 3/4



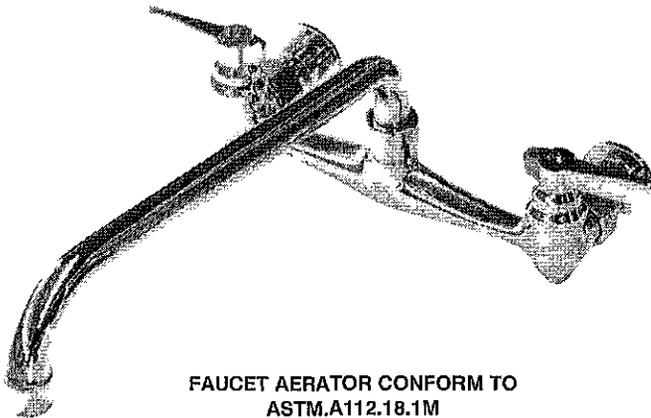
ADVANCE TABCO is constantly engaged in a program of improving our products. Therefore, we reserve the right to change specifications without prior notice



K-112

12" HEAVY DUTY SWING SPOUT SPLASH MOUNT FAUCET

Conforms To NSF 61/9 Lead Free Requirements



FAUCET AERATOR CONFORM TO
ASTM.A112.18.1M
2.2 GPM/8.3 LPM
THREAD: 55/64 - 27 FEMALE

Item #	Qty #
Model #	
Project #	

FEATURES:

- 12" swing spout.
- 8" O C water supply
- Quarter-turn handles.
- Colored hot & cold indexes.
- 2.2 GPM/8.3 LPM Aerator 60 PSI

MATERIAL:

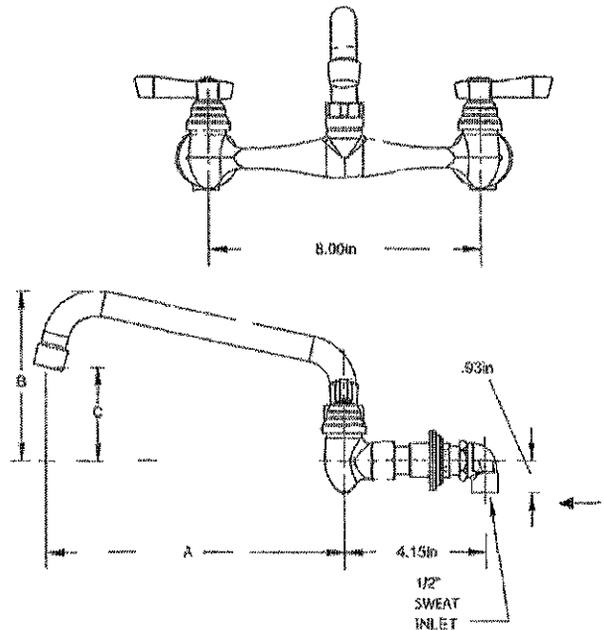
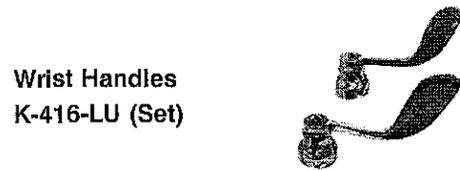
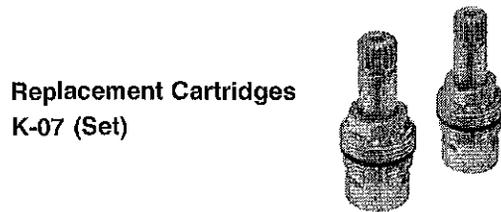
- Brass chrome plated body & spout
- Chrome plated handles



[Click This Link To View Assembly Sheet](#)

DIMENSIONS and SPECIFICATIONS

Options & Accessories



A	B	C	On Center Dimensions
12 11	5.71	3.46	8 O C.

WARNING. Faucets on this page may expose you to chemicals, including lead, that are known to the State of California to cause cancer or birth defects or other reproductive harm. For more info, visit www.p65warnings.ca.gov.



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For Smart Fabrication™ Quotes:
Email: smartfab@advancetabco.com or Fax: 631-586-2933



Change Order Proposal

Project: Valle Crucis School

COR #: **64**

Date: **3/6/2024**

Description of Change: Reduce RO of window per RFI 128 ← 268-R1

H&M Material:			Subtotals
1. Total Cost of Materials (Attach Backup)		0.00	
2. Sales Tax	6.75%	0.00	
3. Overhead & Profit	15%	0.00	0.00
H&M Labor:			
4. Total Man Hour Cost (Attach Backup)		0.00	
5. Labor Burden (Enter Percentage)	41%	0.00	
6. Overhead & Profit	15%	0.00	0.00
H&M Equipment Rental:			
7. Equipment / Equipment Rental (Attach Backup)		0.00	
8. Overhead & Profit	15%	0.00	0.00
H&M Unit Prices:			
9. Unit Price (If Applicable)		0.00	0.00
H&M Subcontractors:			
10. Subcontractor (Attach Subcontractor Backup)		1,508.76	
11. Overhead & Profit (On Subcontractors)	10%	150.88	1,659.64
		Grand Subtotal =	1,659.64
13. P&P Bonds (On Grand Subtotal)	2%	33.19	
		Total of Proposal =	1,692.83

Time Extension Request: **0** Days
 Schedule Activity # Affected: _____ Does this effect the critical path? **No**

This Contractor agrees to perform the work outlined in this change proposal for the amount specified above

Eric Jones / VP _____

Date: _____

Owner/Architect _____

Date: _____

Subcontractor Name

Change Order Proposal

Divisions Contractors

Project: Valle Crucis School

COR #: **12**

Date: **3/7/2024**

Reduce RO opening of window per RFI # 128 ← 268-R1

			Subtotals
Material:			
1. Total Cost of Materials (Attach Backup)		<u>\$371.80</u>	
2. Sales Tax	6.75%	<u>\$25.10</u>	
3. Overhead & Profit	10%	<u>\$39.69</u>	\$436.59
Labor:			
4. Total Man Hour Cost (Attach Backup)		<u>\$722.00</u>	
5. Labor Burden (35% is Allowed)	35%	<u>\$252.70</u>	
6. Overhead & Profit	10%	<u>\$97.47</u>	\$1,072.17
Equipment Rental:			
7. Equipment / Equipment Rental (Attach Backup)		<u>\$0.00</u>	
8. Overhead & Profit	10%	<u>\$0.00</u>	\$0.00
Unit Prices:			
9. Unit Price (If Applicable)		<u>\$0.00</u>	\$0.00
Subcontractors:			
10. Subcontractor (Attach Subcontractor Backup)		<u>\$0.00</u>	
11. Overhead & Profit (On Subcontractors)	10%	<u>\$0.00</u>	\$0.00
		Grand Subtotal =	\$1,508.76
13. Bond If Required (On Grand Subtotal)	0%	<u>\$0.00</u>	
		Total of Proposal =	\$1,508.76

Time Extension Request: **0** Days
 Schedule Activity # Affected: **0** Does this effect the critical path? **No**

This Contractor agrees to perform the work outlined in this change proposal for the amount specified above

Subcontractor _____

Date: _____

Subcontractor Name				Change Order Proposal (Details)			
Project: Valle Crucis School				COR #: 13			
SCO #: 0				Date: 3/72/4			
Additonal frame added at back of parapet and plywood at coping Building B - Rev 15							
MATERIALS				LABOR			
QTY	DESCRIPTION	UNIT	TOTAL	MAN HRS	DESCRIPTION	RATE	LABOR COST
96.00	LF of 8" studs 18ga	\$3.60	\$345.60	4.00	Remove rok-on	\$24.00	\$96.00
10.00	LF of 8" track 18ga	\$2.62	\$26.20	20.00	Reduce opening with metal studs	\$24.00	\$480.00
			\$0.00	4.00	Re-install rok-on	\$24.00	\$96.00
			\$0.00	1.00	cleaning	\$26.00	\$26.00
			\$0.00	1.00	supervision	\$24.00	\$24.00
			\$0.00			\$0.00	\$0.00
			\$0.00				\$0.00
			\$0.00				\$0.00
			\$0.00				\$0.00
MATERIAL SUBTOTAL:			\$371.80	LABOR SUBTOTAL:			\$722.00
EQUIPMENT RENTAL				2nd TIER SUB COSTS (SEE ATTACHED)			
QTY	DESCRIPTION	RATE	TOTAL	DESCRIPTION		COST	
			\$0.00			\$0.00	
			\$0.00			\$0.00	
			\$0.00			\$0.00	
			\$0.00			\$0.00	
			\$0.00			\$0.00	
			\$0.00			\$0.00	
			\$0.00			\$0.00	
			\$0.00			\$0.00	
			\$0.00			\$0.00	
			\$0.00			\$0.00	
			\$0.00			\$0.00	
EQUIPMENT SUBTOTAL:			\$0.00	SUBCONTRACT SUBTOTAL:			\$0.00

Colonial Materials Inc		
Date: 02/07/2024		
Project Name: Walk In Prices 1st Quarter		
Location:		
Client: Divisions Contractors NC		
Description		
Please Update Price Increases		1st 2024
Drywall		
5/8" EXP exterior sheathing	SF	\$1.250
1/2" EXP Exterior Sheathing	SF	\$1.145
5/8" EXP Exterior Sheathing	SF	\$1.250
1/4" Cement Board		\$1.200
1/2" Cement Board	SF	\$1.250
5/8" Cement Board	SF	\$1.400
5/8" exterior gyp bd (Soffit board)	SF	\$0.705
5/8" type X gypsum board for wall M/R	SF	\$0.675
1/2" type X gypsum board	SF	\$0.585
5/8" regular gypsum board for wall (Type X)	SF	\$0.570
5/8" regular gypsum board for wall (Type X) -- Paperless	SF	\$0.570
1" gypsum liner panel Reg XP Liner	SF	\$1.750
5/8" regular gypsum board for wall (Type X)	SF	\$0.570
5/8" SoundBreak GWB XP	SF	\$2.250
5/8" A/R gypsum board	SF	\$1.075
5/8" H/R gypsum board **High impact**	SF	\$1.225
5/8" lead lined gyp 1/16" thick ** 4x10 Lead to 7'	SF	\$11.250
FRP Panels 4x8 - Color White *** Standard Class C Pebble ****	Unit	\$1.955
FRP Panels 4x8 - Color Black*** Standard Class C Pebble ****	Unit	\$1.995
FRP Panels 4x8 - Color Red/Blue/Green/Etc	Unit	\$3.005
Others		
Corner Beads		\$0.330
Fire Caulking Sausages	Box	\$105.000
Fire Caulking Tubes	Box	\$145.000
Sound Caulking 29" Tubes	Box	\$105.000
FRP Glue		\$105.000
Joint Compound	Buckets	\$21.750
20 minutes durabond	Bags	\$15.000
45 minutes durabond	Bags	\$15.000
Tuff Hide (Level 5 Finish)	Buckets	\$22.500
Joint Paper Tape	Rolls	\$4.050
Mesh Tape	Rolls	\$10.250
Zinc Control Joints	Pcs	\$1.350
Tear Away bead 5/8"	Pcs	\$0.395
Drywall screws (Sharp point 1-1/4")	Box	\$95.000
Drywall screws (Self taping point 1-1/4")	Box	\$115.000
1-7/8" drywall screws self taping	Box	\$110.000
1-1/4" laminators	Box	\$105.000
1/2 wafer head screws self taping	Box	\$125.000
3/4" hex screws # 10	Box	\$122.000
3/4" hex screws # 12	Box	\$172.000
Concrete 3/4 pins ---- Track Fast	Pins	\$75.000
Concrete 1/2 pins Steel ---- Track Fast	Pins	\$135.000
Insulation		

R-11 unface fiber glass 16OC insulation	SF	\$0.405
R-13 unface fiber glass 16OC insulation	SF	\$0.575
R-11 unface fiber glass 16OC insulation ---foil scrim kraft	SF	\$0.575
R-19 unface fiber glass 16OC insulation	SF	\$0.595
R-19 unface fiber glass 16OC insulation ---foil scrim kraft	SF	\$0.745
R-21 unface fiber glass 16OC insulation	SF	\$1.205
R-30 unface fiber glass 16OC insulation	SF	\$1.085
R-38 unface fiber glass 16OC insulation	SF	\$1.305
2" Mineral Wool	SF	\$0.495
3" Mineral Wool	SF	\$0.925
4" Mineral Wool	SF	\$1.200
1-1/2" Rigid Insulation Scoreboard	SF	\$1.550
2" Rigid Insulation Scoreboard	SF	\$1.985
3" Rigid Insulation Scoreboard	SF	\$3.030
1-1/2" Rigid Insulation Poly	SF	\$1.995
2" Rigid Insulation Poly	SF	\$2.595
3" Rigid Insulation Poly	SF	\$3.775
CH 33-GA Drywall - G60		
2-1/2" 20 GA CH metal studs	LF	\$2.150
2-1/2" 20 GA J-runner	LF	\$1.780
4" 20 GA CH Studs	LF	\$2.650
4" 20 GA J track/runner	LF	\$2.100
6" 20 GA CH Studs	LF	\$3.250
6" 20 GA J track/runner	LF	\$2.700
CH 33-GA Drywall - G60		
2-1/2" 33 GA CH metal studs	LF	\$2.150
2-1/2" 33 GA J-runner	LF	\$1.780
4" 33 GA CH Studs	LF	\$2.650
4" 33 GA J track/runner	LF	\$2.100
6" 33 GA CH Studs	LF	\$3.250
6" 33 GA J track/runner	LF	\$2.700
20-GA Drywall - G60		
1-1/2" X 1-1/2" 20-GA	LF	\$0.715
7/8" 20 GA Hat Channel	LF	\$0.950
1-5/8" 20 GA metal studs @ 16"OC	LF	\$0.635
1-5/8" 20 GA 1-1/4 leg Track	LF	\$0.630
1-5/8" 20 GA 2 leg Track	LF	\$0.830
2-1/2" 20 GA metal studs @ 16"OC	LF	\$0.775
2-1/2" 20 GA 1-1/4 leg Track	LF	\$0.770
2-1/2" 20 GA 2 leg Track	LF	\$0.965
3-5/8" 20 GA metal studs @ 16"OC-----	LF	\$0.920
3-5/8" 20 GA 1-1/4 leg Track	LF	\$0.915
3-5/8" 20 GA 2 leg Track-----SLOTTED	LF	\$2.250
4" 20 GA metal studs @ 16"OC	LF	\$0.990
4" 20 GA 1-1/4 leg Track	LF	\$0.985
4" 20 GA 2 leg Track-----SLOTTED	LF	\$2.350
6" 20 GA metal studs @ 16"OC	LF	\$1.295
6" 20 GA 1-1/4 leg Track	LF	\$1.300
6" 20 GA 2 leg Track-----SLOTTED	LF	\$2.850
8" 20 GA metal studs @ 16"OC-----	LF	\$2.780
8" 20 GA 1-1/4 leg Track	LF	\$2.500
8" 20 GA 2 leg Track-----SLOTTED	LF	\$3.700
18-GA Metals - G90		
2-1/2" 18GA metal studs @ 16"OC	LF	\$1.920

2-1/2" 18GA 1-1/4 leg Track	LF	\$1.530
2-1/2" 18GA 2" leg Track-----SLOTTED	LF	\$2.420
3-5/8" 18 CSJ metal studs @ 16"OC	LF	\$2.700
3-5/8" 18 CSJ t1-1/4 leg Track	LF	\$2.250
3-5/8" 18 CSJ 2 leg Track-----SLOTTED	LF	\$3.250
4" 18 CSJ metal studs @ 16"OC	LF	\$2.360
4" 18 CSJ t1-1/4 leg Track	LF	\$1.980
4" 18 CSJ 2 leg Track-----SLOTTED	LF	\$3.300
6" 18ga CSJ metal studs @ 16"OC-	LF	\$2.960
6" 18ga CSJ t1-1/4 leg Track-	LF	\$2.620
6" 18ga CSJ 2 leg Track -----slotted	LF	\$4.100
8" 18 GA metal studs @ 16"OC-----	LF	\$3.600
8" 18 GA 1-1/4 leg Track	LF	\$3.250
8" 18 GA 2 leg Track-----SLOTTED	LF	\$4.830
10" 18 GA metal studs @ 16"OC-----	LF	\$4.270
10" 18 GA 1-1/4 leg Track	LF	\$3.900
10" 18 GA 2 leg Track-----SLOTTED	LF	\$4.440
12" 18 GA metal studs @ 16"OC-----	LF	\$4.980
12" 18 GA 1-1/4 leg Track	LF	\$4.570
12" 18 GA 2 leg Track-----SLOTTED	LF	\$19.000
14" 18 GA metal studs @ 16"OC-----	LF	
14" 18 GA 1-1/4 leg Track	LF	
14" 18 GA 2 leg Track-----SLOTTED	LF	
Z-channels 18ga 2"	LF	\$1.760
16-GA Metals - G90		
1-1/2" X 1-1/2" metal angle 16ga	LF	\$1.320
2" X 2" metal angle 16ga	LF	\$1.780
3" X 3" metal angle 16ga	LF	\$2.860
1-1/2" X 1-1/2" metal angle 16ga	LF	\$1.320
2-1/2" 16GA metal studs @ 16"OC	LF	\$2.400
2-1/2" 16GA 1-1/4 leg Track	LF	\$1.900
2-1/2" 16GA 2" leg Track-----SLOTTED	LF	\$3.040
3-5/8" 16 CSJ metal studs @ 16"OC	LF	\$2.800
3-5/8" 16 CSJ t1-1/4 leg Track	LF	\$2.350
3-5/8" 16 CSJ 2 leg Track-----SLOTTED	LF	\$3.600
4" 16 CSJ metal studs @ 16"OC	LF	\$2.950
4" 16 CSJ t1-1/4 leg Track	LF	\$2.450
4" 16 CSJ 2 leg Track-----SLOTTED	LF	\$4.150
6" 16ga CSJ metal studs @ 16"OC-	LF	\$3.680
6" 16ga CSJ t1-1/4 leg Track-	LF	\$3.260
6" 16ga CSJ 2 leg Track -----slotted	LF	\$5.230
8" 16 GA metal studs @ 16"OC-----	LF	\$4.480
8" 16 GA 1-1/4 leg Track	LF	\$4.025
8" 16 GA 2 leg Track-----SLOTTED	LF	\$6.020
14-GA Metals - G90		
6" 14ga CSJ metal studs @ 16"OC-	LF	\$4.680
6" 14ga CSJ t1-1/4 leg Track-	LF	\$4.120
6" 14ga CSJ 2 leg Track -----slotted	LF	\$6.420
8" 14 GA metal studs @ 16"OC-----	LF	\$5.660
8" 14 GA 1-1/4 leg Track	LF	\$5.094
8" 14 GA 2 leg Track-----SLOTTED	LF	\$7.550
Lumber		
2X4 pressure treated wood 12'-Long	SF	\$1.050
2X6 pressure treated wood 12'-Long	SF	\$1.600

2X8 pressure treated wood 12'-Long	SF	\$1.800
2X10 pressure treated wood 12'-Long	SF	\$3.200
2X12 pressure treated wood 12'-Long	SF	\$4.280
4x8 ¾" pressure treated plywood	SF	\$1.960
4x8 5/8" pressure treated plywood	SF	\$1.843
2X4 Fire rated	LF	\$1.200
2X6 Fire rated	LF	\$1.850
2X8 Fire rated	LF	\$2.250
2X10 Fire rated	LF	\$3.250
2X12 Fire rated	LF	\$4.950
4x8 5/8 fire rated plywood	SF	\$1.950
4x8 3/4 fire rated plywood	SF	\$2.120



Valle Crucis School

Watauga County, NC

Schedule Update Reports

DD08MAR24

Schedule Reports

- Network Diagram
- Critical Path
- Activity Report
- Logic Report
- Total Float Report
- Continuous Flow
- Critical Path by Start Date
- 6 Week Look Ahead

Activity ID	Activity Name	Orig Dur	Act Dur	Rem Dur	Start	Finish	Total Float	% Comp	2024												2025	
									Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
Valle Crucis School		641	464	287	30-Nov-22 A	19-Dec-24	-40															
PROJECT MILESTONES		641	268	241	20-Mar-23 A	19-Dec-24	-40															
MILE 100	Notice to Proceed (Vertical Construction)	0	0	0	20-Mar-23 A			100%														
MILE 260	Temporary Winter Heating	0	0	0		12-Dec-23 A		100%														
MILE 190	Temporary Permanent Power	0	0	0		17-Jun-24	63	0%														
MILE 230	Temporary Conditioned Air	0	0	0		17-Jun-24	63	0%														
MILE 240	Permanent Power	0	0	0		30-Sep-24	10	0%														
MILE 250	Conditioned Air	0	0	0		30-Sep-24	10	0%														
MILE 130	Temporary Certificate of Occupancy	0	0	0		19-Nov-24	-10	0%														
MILE 110	Final Certificate of Occupancy (09NOV24)	0	0	0		19-Dec-24*	-40	0%														
MILE 150	Projected Completion	0	0	0		19-Dec-24	-40	0%														
Area Milestones		569	0	211	10-Apr-23 A	19-Nov-24	-40															
MILE 270	Early Sitework Complete	0	0	0		10-Apr-23 A		100%														
MILE 170	Dry-In Area B	0	0	0		22-Apr-24	171	0%														
MILE 160	Dry-In Area A	0	0	0		09-May-24	154	0%														
MILE 180	Dry-In Area C	0	0	0		10-May-24	90	0%														
MILE 220	Area C Substantial Completion	0	0	0		28-Oct-24	-18	0%														
MILE 210	Area B Substantial Completion	0	0	0		12-Nov-24	-33	0%														
MILE 200	Area A Substantial Completion	0	0	0		19-Nov-24	-40	0%														
Delays, MODs, & Changes		229	324	0	20-Mar-23 A	06-Feb-24 A																
DEL 260	Weather Delays - MAR 2023 to SEP 2023 (PENDING)	18	195	0	20-Mar-23 A	30-Sep-23 A		100%														
Rigid Inclusion Delays		31	85	0	17-Apr-23 A	11-Jul-23 A																
DEL 110	Keller Mobilization	1	1	0	17-Apr-23 A	17-Apr-23 A		100%														
DEL 120	Keller Demobilizes	1	1	0	11-May-23 A	11-May-23 A		100%														
DEL 140	Keller Offsite	30	60	0	12-May-23 A	10-Jul-23 A		100%														
DEL 130	Keller Remobilizes	1	0	0	11-Jul-23 A	11-Jul-23 A		100%														
Structural Steel Delays		147	161	0	21-Jul-23 A	28-Dec-23 A																
DEL 160	Change 12 Issued	3	1	0	21-Jul-23 A	21-Jul-23 A		100%														
DEL 170	Resubmit Structural Steel Shops - A	6	81	0	22-Jul-23 A	10-Oct-23 A		100%														
DEL 190	Resubmit Structural Steel Shops - B	6	5	0	22-Jul-23 A	26-Jul-23 A		100%														
DEL 210	Resubmit Structural Steel Shops - C	6	19	0	22-Jul-23 A	09-Aug-23 A		100%														
DEL 200	Owner Review Resub Structural Steel Shops - B	14	27	0	27-Jul-23 A	22-Aug-23 A		100%														
DEL 220	Owner Review Resub Structural Steel Shops - C	14	36	0	10-Aug-23 A	14-Sep-23 A		100%														
DEL 230	Structural Steel FAB & Delivery - B	37	62	0	23-Aug-23 A	23-Oct-23 A		100%														
DEL 240	Structural Steel FAB & Delivery - C	33	11	0	15-Sep-23 A	25-Sep-23 A		100%														
DEL 180	Owner Review Resub Structural Steel Shops - A	14	16	0	11-Oct-23 A	26-Oct-23 A		100%														



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Activity ID	Activity Name	Orig Dur	Act Dur	Rem Dur	Start	Finish	Total Float	% Comp	2024												2025	
									Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
DEL 250	Engineered Steel FAB Delay - C	21	9	0	17-Oct-23 A	25-Oct-23 A		100%														
DEL 150	Structural Steel FAB & Delivery - A	56	63	0	27-Oct-23 A	28-Dec-23 A		100%														
Area C HVAC Ductwork Delays		14	12	0	26-Jan-24 A	06-Feb-24 A																
DEL 270	HVAC Ductwork FAB Delay - C	14	12	0	26-Jan-24 A	06-Feb-24 A		100%														
CONSTRUCTION		611	464	257	30-Nov-22 A	19-Nov-24	-11															
Early Site Work		277	428	0	30-Nov-22 A	31-Jan-24 A																
ES-120	Early Site Work	20	90	0	30-Nov-22 A	10-Apr-23 A		100%														
ES-110	Construct Parking Area for Construction Laydown	20	102	0	01-Sep-23 A	31-Jan-24 A		100%														
Bridge A		80	88	0	17-Oct-23 A	12-Jan-24 A																
BRDG-100	Place Abutments - Bridge A	8	1	0	17-Oct-23 A	17-Oct-23 A		100%														
BRDG-110	Cure Abutments - Bridge A	9	2	0	17-Oct-23 A	18-Oct-23 A		100%														
BRDG-120	Install Bridge A	1	1	0	26-Oct-23 A	26-Oct-23 A		100%														
BRDG-130	Prep & Place Slabs - Bridge A	15	1	0	19-Dec-23 A	19-Dec-23 A		100%														
BRDG-140	Cure Slabs - Bridge A	31	24	0	20-Dec-23 A	12-Jan-24 A		100%														
Bridge B		66	78	0	04-Sep-23 A	20-Nov-23 A																
BRDG-150	Place Abutments - Bridge B	15	10	0	04-Sep-23 A	18-Sep-23 A		100%														
BRDG-160	Cure Abutments - Bridge B	14	4	0	19-Sep-23 A	22-Sep-23 A		100%														
BRDG-170	Install Bridge B	5	1	0	22-Sep-23 A	22-Sep-23 A		100%														
BRDG-180	Prep & Place Slabs - Bridge B	10	25	0	25-Sep-23 A	19-Oct-23 A		100%														
BRDG-190	Cure Slabs - Bridge B	31	32	0	20-Oct-23 A	20-Nov-23 A		100%														
Building Shell		414	223	171	17-Apr-23 A	08-Nov-24	0															
Foundations		281	223	38	17-Apr-23 A	30-Apr-24	113															
Foundations - Area A		281	218	38	24-Apr-23 A	30-Apr-24	113															
A-FOUN-310	Install Rigid Inclusions - A	10	59	0	24-Apr-23 A	18-Jul-23 A		100%														
A-FOUN-100	Excavate Footings/Piers - A	2	87	0	16-May-23 A	19-Sep-23 A		100%														
A-FOUN-110	Form & Reinforce Piers - A	2	41	0	16-May-23 A	14-Jul-23 A		100%														
A-FOUN-120	Place & Cure Piers - A	3	41	0	16-May-23 A	14-Jul-23 A		100%														
A-FOUN-130	Place CMU Foundation Walls - A	5	93	0	25-May-23 A	06-Oct-23 A		100%														
A-FOUN-150	Infill & Cure Foundation Walls - A	3	90	0	31-May-23 A	06-Oct-23 A		100%														
A-FOUN-140	Form Site/Retaining Walls - A	2	173	0	31-May-23 A	08-Feb-24 A		100%														
A-FOUN-160	Infill & Cure Site/Retaining Walls - A	3	173	0	31-May-23 A	08-Feb-24 A		100%														
A-FOUN-180	Install In-Slab Elec RI's to B&C - A	5	30	0	08-Jul-23 A	18-Aug-23 A		100%														
A-FOUN-190	Install In-Slab Plumbing RI's to B&C - A	5	30	0	08-Jul-23 A	18-Aug-23 A		100%														
A-FOUN-300	Finish In-Slab RI's - A	14	112	3	23-Sep-23 A	12-Mar-24	-26	90%														
A-FOUN-170	Install Stone & Vapor Barrier - A	2	100	3	12-Oct-23 A	15-Mar-24	-26	80%														
A-FOUN-200	Reinforce Slab - A	3	98	3	16-Oct-23 A	15-Mar-24	-26	80%														
A-FOUN-210	Place & Cure Slab - A	1	95	1	19-Oct-23 A	18-Mar-24	-26	80%														
Area A - Elevated Slab		31	0	31	19-Mar-24	30-Apr-24	113															



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Activity ID	Activity Name	Orig Dur	Act Dur	Rem Dur	Start	Finish	Total Float	% Comp	2024												2025	
									Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb		
A-FOUN-220	Frame Metal Floor Studs - Elevated Slab	5	0	5	19-Mar-24	25-Mar-24	-22	0%														
A-FOUN-240	Install Composite Floor Deck - Elevated Slab	5	0	5	26-Mar-24	01-Apr-24	-22	0%														
A-FOUN-250	Place & Cure Concrete - Elevated Slab	10	0	10	02-Apr-24	15-Apr-24	-22	0%														
A-FOUN-230	Insulate Stud Framing (Underside) - Elevated Slab	3	0	3	16-Apr-24	18-Apr-24	113	0%														
A-FOUN-260	Install Sheathing (Underside) - Elevated Slab	2	0	2	19-Apr-24	22-Apr-24	113	0%														
A-FOUN-270	Install Air Barrier (Underside) - Elevated Slab	2	0	2	23-Apr-24	24-Apr-24	113	0%														
A-FOUN-280	Install Rigid Insulation (Underside) - Elevated Slab	2	0	2	25-Apr-24	26-Apr-24	113	0%														
A-FOUN-290	Install Cement Board (Underside) - Elevated Slab	2	0	2	29-Apr-24	30-Apr-24	113	0%														
Foundations - Area B		173	144	0	17-Apr-23 A	09-Nov-23 A																
B-FOUN-320	Install Rigid Inclusions - B	10	8	0	17-Apr-23 A	26-Apr-23 A		100%														
B-FOUN-100	Excavate Footings/Piers - B	2	46	0	01-May-23 A	06-Jul-23 A		100%														
B-FOUN-110	Form & Reinforce Footings/Piers - B	2	52	0	01-May-23 A	14-Jul-23 A		100%														
B-FOUN-120	Place & Cure Footings/Piers - B	3	52	0	01-May-23 A	14-Jul-23 A		100%														
B-FOUN-130	Place CMU Foundation Walls - B	5	36	0	24-May-23 A	17-Jul-23 A		100%														
B-FOUN-140	Infill & Cure Foundation Walls - B	3	35	0	31-May-23 A	20-Jul-23 A		100%														
B-FOUN-200	Form Site/Retaining Walls - B	2	91	0	16-Jun-23 A	26-Oct-23 A		100%														
B-FOUN-170	Install In-Slab Plumbing RI's - B	5	29	0	27-Jun-23 A	07-Aug-23 A		100%														
B-FOUN-210	Infill & Cure Site/Retaining Walls - B	3	95	0	27-Jun-23 A	09-Nov-23 A		100%														
B-FOUN-160	Install In-Slab Elec RI's - B	5	28	0	12-Jul-23 A	18-Aug-23 A		100%														
B-FOUN-220	Finish In-Slab RI's - B	5	1	0	18-Aug-23 A	18-Aug-23 A		100%														
B-FOUN-150	Install Stone & Vapor Barrier - B	2	5	0	21-Aug-23 A	25-Aug-23 A		100%														
B-FOUN-180	Reinforce Slab - B	1	1	0	25-Aug-23 A	26-Aug-23 A		100%														
B-FOUN-190	Place & Cure Slab - B	4	1	0	31-Aug-23 A	31-Aug-23 A		100%														
Foundations - Area C		87	132	0	03-May-23 A	09-Nov-23 A																
C-FOUN-330	Install Rigid Inclusions - C	10	5	0	03-May-23 A	09-May-23 A		100%														
C-FOUN-100	Excavate Footings/Piers - C	2	26	0	01-Jun-23 A	10-Jul-23 A		100%														
C-FOUN-110	Form & Reinforce Footings/Piers - C	2	26	0	01-Jun-23 A	10-Jul-23 A		100%														
C-FOUN-120	Place & Cure Footings/Piers - C	3	29	0	01-Jun-23 A	13-Jul-23 A		100%														
C-FOUN-130	Place CMU Foundation Walls - C	5	19	0	19-Jun-23 A	17-Jul-23 A		100%														
C-FOUN-140	Infill & Cure Foundation Walls - C	3	9	0	10-Jul-23 A	20-Jul-23 A		100%														
C-FOUN-160	Install In-Slab Elec RI's - C	15	33	0	17-Jul-23 A	30-Aug-23 A		100%														
C-FOUN-170	Install In-Slab Plumbing RI's - C	8	8	0	22-Jul-23 A	02-Aug-23 A		100%														
C-FOUN-200	Form Site/Retaining Walls - C	2	38	0	24-Jul-23 A	14-Sep-23 A		100%														
C-FOUN-210	Infill & Cure Site/Retaining Walls - C	3	77	0	24-Jul-23 A	09-Nov-23 A		100%														
C-FOUN-150	Install Stone & Vapor Barrier - C	3	3	0	05-Sep-23 A	07-Sep-23 A		100%														
C-FOUN-180	Reinforce Slab - C	3	1	0	08-Sep-23 A	09-Sep-23 A		100%														



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Activity ID	Activity Name	Orig Dur	Act Dur	Rem Dur	Start	Finish	Total Float	% Comp	2024												2025	
									Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	
C-ROOF-100	Install Metal Roof Deck - Mech Roof C	10	3	0	05-Dec-23 A	07-Dec-23 A		100%	█													
C-ROOF-180	Install Roof Curbs - Mech Roof C	4	2	0	18-Jan-24 A	19-Jan-24 A		100%	█													
C-ROOF-120	Install Vapor Barrier - Mech Roof C	6	0	6	08-Mar-24	15-Mar-24	61	0%		█												
C-ROOF-140	Install Rigid Insulation - Mech Roof C	6	0	6	18-Mar-24	25-Mar-24	61	0%			█											
C-ROOF-170	Install Roof Drains - Mech Roof C	6	0	6	26-Mar-24	02-Apr-24	61	0%				█										
C-ROOF-200	Install Membrane Roofing - Mech Roof C	10	0	10	03-Apr-24	16-Apr-24	61	0%					█									
C-ROOF-220	Install SS Metal Wall Panels - Mech Roof C	8	0	8	17-Apr-24	26-Apr-24	61	0%						█								
C-ROOF-230	Install Roof Top Mech Units - Mech Roof C	6	0	6	29-Apr-24	06-May-24	61	0%							█							
C-ROOF-240	Install Exterior Doors & Hardware - Mech Roof C	4	0	4	07-May-24	10-May-24	61	0%								█						
Roof - Area B		119	83	48	05-Nov-23 A	14-May-24	103															
B - High Roof		102	61	31	08-Dec-23 A	19-Apr-24	120															
B-ROOF-120	Install T&G Wood Roof Deck - High Roofs B	10	14	0	08-Dec-23 A	28-Dec-23 A		100%	█													
B-ROOF-160	Install Vapor Barrier - High Roofs B	6	21	3	07-Feb-24 A	12-Mar-24	120	50%	█													
B-ROOF-210	Install Rigid Insulation - High Roofs B	6	0	6	13-Mar-24	20-Mar-24	120	0%			█											
B-ROOF-230	Install Roof Drains - High Roofs B	6	0	6	21-Mar-24	28-Mar-24	120	0%				█										
B-ROOF-300	Install SS Metal Roof Panels - High Roofs B	10	0	10	29-Mar-24	11-Apr-24	120	0%					█									
B-ROOF-340	Install Fascia - High Roofs B	6	0	6	12-Apr-24	19-Apr-24	120	0%						█								
B - Mech Roof B		72	2	48	06-Nov-23 A	14-May-24	66															
B-ROOF-100	Install Metal Roof Deck - Mech Roof B	10	2	0	06-Nov-23 A	07-Nov-23 A		100%	█													
B-ROOF-140	Install Vapor Barrier - Mech Roof B	6	0	6	08-Mar-24	15-Mar-24	66	0%		█												
B-ROOF-190	Install Rigid Insulation - Mech Roof B	6	0	6	18-Mar-24	25-Mar-24	66	0%			█											
B-ROOF-250	Install Roof Drains - Mech Roof B	6	0	6	26-Mar-24	02-Apr-24	66	0%				█										
B-ROOF-260	Install Roof Curbs - Mech Roof B	4	0	4	26-Mar-24	29-Mar-24	68	0%					█									
B-ROOF-320	Install Membrane Roofing - Mech Roof B	10	0	10	03-Apr-24	16-Apr-24	66	0%						█								
B-ROOF-360	Install SS Metal Wall Panels - Mech Roof B	8	0	8	17-Apr-24	26-Apr-24	66	0%							█							
B-ROOF-400	Install Fascia - Mech Roof B	6	0	6	29-Apr-24	06-May-24	66	0%								█						
B-ROOF-410	Install Roof Top Mech Units - Mech Roof B	6	0	6	07-May-24	14-May-24	66	0%									█					
B - Flex Roof		60	2	36	05-Nov-23 A	26-Apr-24	78															
B-ROOF-110	Install Metal Roof Deck - Flex Roof B	10	2	0	05-Nov-23 A	07-Nov-23 A		100%	█													
B-ROOF-150	Install Vapor Barrier - Flex Roof B	6	0	6	08-Mar-24	15-Mar-24	78	0%		█												
B-ROOF-200	Install Rigid Insulation - Flex Roof B	8	0	8	18-Mar-24	27-Mar-24	78	0%			█											
B-ROOF-270	Install Roof Drains - Flex Roof B	6	0	6	28-Mar-24	04-Apr-24	78	0%				█										
B-ROOF-280	Install Roof Curbs - Flex Roof B	4	0	4	28-Mar-24	02-Apr-24	80	0%					█									
B-ROOF-290	Install Roof Hatch - Flex Roof B	4	0	4	28-Mar-24	02-Apr-24	80	0%						█								
B-ROOF-330	Install Membrane Roofing - Flex Roof B	10	0	10	05-Apr-24	18-Apr-24	78	0%							█							
B-ROOF-370	Install Roof Top Mech Units - Flex Roof B	6	0	6	19-Apr-24	26-Apr-24	78	0%								█						
B - Entry Canopy		70	2	46	05-Nov-23 A	10-May-24	105															



█ Remaining Level of Effort
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									Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	
B-ROOF-130	Install Metal Roof Deck - Entry Canopy B	10	2	0	05-Nov-23 A	07-Nov-23 A		100%														
B-ROOF-170	Install Substrate Board - Entry Canopy B	2	0	2	08-Mar-24	11-Mar-24		0%		■												
B-ROOF-180	Install Vapor Barrier - Entry Canopy B	6	0	6	12-Mar-24	19-Mar-24		0%		■												
B-ROOF-220	Install Rigid Insulation - Entry Canopy B	6	0	6	20-Mar-24	27-Mar-24		0%		■												
B-ROOF-240	Install Roof Drains - Entry Canopy B	6	0	6	28-Mar-24	04-Apr-24		0%		■												
B-ROOF-310	Install Membrane Roof - Entry Canopy B	10	0	10	05-Apr-24	18-Apr-24		0%		■												
B-ROOF-350	Install Roof Ballast Material - Entry Canopy B	8	0	8	19-Apr-24	30-Apr-24		0%		■												
B-ROOF-380	Install Fascia - Entry Canopy B	6	0	6	01-May-24	08-May-24		0%		■												
B-ROOF-390	Install SS Metal Siding - Entry Canopy B	8	0	8	01-May-24	10-May-24		0%		■												
Roof - Area A		75	16	54	14-Feb-24 A	29-May-24		93														
A - High Roof		59	6	38	29-Feb-24 A	06-May-24		109														
A-ROOF-120	Install T&G Wood Roof Deck - High Roofs A	10	6	4	29-Feb-24 A	19-Mar-24		-26	25%	■	■											
A-ROOF-160	Install Vapor Barrier - High Roofs A	6	0	6	20-Mar-24	27-Mar-24		109	0%		■											
A-ROOF-210	Install Rigid Insulation - High Roofs A	6	0	6	28-Mar-24	04-Apr-24		109	0%		■											
A-ROOF-240	Install Roof Drains - High Roofs A	6	0	6	05-Apr-24	12-Apr-24		109	0%		■											
A-ROOF-300	Install SS Metal Roof Panels - High Roofs A	10	0	10	15-Apr-24	26-Apr-24		109	0%		■											
A-ROOF-340	Install Fascia - High Roofs A	6	0	6	29-Apr-24	06-May-24		109	0%		■											
A - Mech Roof A		75	3	54	14-Feb-24 A	29-May-24		56														
A-ROOF-100	Install Metal Roof Deck - Mech Roof A	10	3	0	14-Feb-24 A	16-Feb-24 A			100%	■												
A-ROOF-140	Install Vapor Barrier - Mech Roof A	6	0	6	14-Mar-24	21-Mar-24		45	0%		■											
A-ROOF-200	Install Rigid Insulation - Mech Roof A	6	0	6	22-Mar-24	29-Mar-24		45	0%		■											
A-ROOF-270	Install Roof Drains - Mech Roof A	6	0	6	01-Apr-24	08-Apr-24		45	0%		■											
A-ROOF-280	Install Roof Curbs - Mech Roof A	4	0	4	01-Apr-24	04-Apr-24		58	0%		■											
A-ROOF-290	Install Roof Hatch - Mech Roof A	4	0	4	01-Apr-24	04-Apr-24		58	0%		■											
A-ROOF-330	Install Membrane Roofing - Mech Roof A	10	0	10	09-Apr-24	22-Apr-24		56	0%		■											
A-ROOF-370	Install Wood Vertical Siding - Mech Roof A	10	0	10	23-Apr-24	06-May-24		56	0%		■											
A-ROOF-400	Install Metal Panels - Mech Roof A	6	0	6	07-May-24	14-May-24		56	0%		■											
A-ROOF-410	Install Roof Top Mech Units - Mech Roof A	10	0	10	15-May-24	29-May-24		56	0%		■											
A - Admin Roof		65	3	44	14-Feb-24 A	14-May-24		103														
A-ROOF-110	Install Metal Roof Deck - Admin Roof A	10	3	0	14-Feb-24 A	16-Feb-24 A			100%	■												
A-ROOF-150	Install Substrate Board - Admin Roof A	2	0	2	14-Mar-24	15-Mar-24		103	0%		■											
A-ROOF-180	Install Vapor Barrier - Admin Roof A	6	0	6	18-Mar-24	25-Mar-24		103	0%		■											
A-ROOF-220	Install Rigid Insulation - Admin Roof A	6	0	6	26-Mar-24	02-Apr-24		103	0%		■											
A-ROOF-250	Install Roof Drains - Admin Roof A	6	0	6	03-Apr-24	10-Apr-24		103	0%		■											
A-ROOF-310	Install Membrane Roof - Admin Roof A	10	0	10	11-Apr-24	24-Apr-24		103	0%		■											
A-ROOF-350	Install Roof Ballast Material - Admin Roof A	8	0	8	25-Apr-24	06-May-24		103	0%		■											
A-ROOF-380	Install Fascia - Admin Roof A	6	0	6	07-May-24	14-May-24		103	0%		■											



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									Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb		
A - Bus Drop-off Canopy		65	2	44	28-Feb-24 A	14-May-24	103															
A-ROOF-130	Install Metal Roof Deck - Bus Drop Off Canopy A	10	2	0	28-Feb-24 A	29-Feb-24 A		100%	█													
A-ROOF-170	Install Substrate Board - Bus Drop Off Canopy A	2	0	2	14-Mar-24	15-Mar-24	103	0%		█												
A-ROOF-190	Install Vapor Barrier - Bus Drop Off Canopy A	6	0	6	18-Mar-24	25-Mar-24	103	0%		█												
A-ROOF-230	Install Rigid Insulation - Bus Drop Off Canopy A	6	0	6	26-Mar-24	02-Apr-24	103	0%		█												
A-ROOF-260	Install Roof Drains - Bus Drop Off Canopy A	6	0	6	03-Apr-24	10-Apr-24	103	0%		█												
A-ROOF-320	Install Membrane Roof - Bus Drop Off Canopy A	10	0	10	11-Apr-24	24-Apr-24	103	0%		█												
A-ROOF-360	Install Roof Ballast Material - Bus Drop Off Canopy A	8	0	8	25-Apr-24	06-May-24	103	0%		█												
A-ROOF-390	Install Fascia - Bus Drop Off Canopy A	6	0	6	07-May-24	14-May-24	103	0%		█												
Walls/Exterior Finishes		249	78	171	14-Nov-23 A	08-Nov-24	0															
Exterior Finishes - C		237	78	159	14-Nov-23 A	23-Oct-24	12															
C-EXT-100	Frame Metal Exterior Walls - C	10	78	2	14-Nov-23 A	11-Mar-24	-24	98%	█													
C-EXT-120	Install Curtain Wall Framing - C	10	6	10	29-Feb-24 A	25-Mar-24	75	25%		█												
C-EXT-150	Install Curtain Wall Glazing - C	15	0	15	26-Mar-24	15-Apr-24	75	0%		█												
C-EXT-170	Install Temp Exterior Doors - C	5	0	5	16-Apr-24	22-Apr-24	75	0%		█												
C-EXT-230	Install Fascia - C	5	0	5	02-May-24	08-May-24	107	0%		█												
C-EXT-240	Install Exterior Doors & Hardware - C	5	0	5	17-Oct-24	23-Oct-24	-8	0%											█			
T&G Wood Siding - C		95	66	52	01-Dec-23 A	28-Jun-24	92															
C-EXT-110	Install Rok-On - T&G - C	10	66	10	01-Dec-23 A	29-Apr-24	92	95%	█													
C-EXT-130	Install Air Barrier - T&G - C	3	33	2	22-Jan-24 A	01-May-24	92	90%	█													
C-EXT-180	Install T&G Wood Siding - C	40	0	40	02-May-24	28-Jun-24	92	0%		█												
Metal Wall Panels - C		93	52	24	21-Dec-23 A	17-May-24	115															
C-EXT-190	Install Rok-On - MWP - C	10	52	2	21-Dec-23 A	17-Apr-24	115	98%	█													
C-EXT-200	Install Air Barrier - MWP - C	3	33	2	22-Jan-24 A	19-Apr-24	115	90%	█													
C-EXT-220	Install Metal Wall Panels - MWP - C	20	0	20	22-Apr-24	17-May-24	115	0%		█												
Exterior Finishes - B		207	32	162	23-Jan-24 A	28-Oct-24	4															
B-EXT-100	Frame Metal Exterior Walls - B	10	32	2	23-Jan-24 A	11-Mar-24	114	90%	█													
B-EXT-130	Install Curtain Wall Framing - B	10	0	10	12-Mar-24	25-Mar-24	114	0%		█												
B-EXT-310	Install Fascia - B	5	0	5	19-Mar-24	25-Mar-24	139	0%		█												
B-EXT-180	Install Curtain Wall Glazing - B	15	0	15	26-Mar-24	15-Apr-24	114	0%		█												
B-EXT-220	Install Temp Exterior Doors - B	5	0	5	16-Apr-24	22-Apr-24	114	0%		█												
B-EXT-230	Install Exhaust Louver - B	2	0	2	16-Apr-24	17-Apr-24	117	0%		█												
B-EXT-830	Install Exterior Doors & Hardware - B	5	0	5	22-Oct-24	28-Oct-24	-11	0%											█			
T&G Wood Siding - B		49	32	25	23-Jan-24 A	15-Apr-24	139															
B-EXT-110	Install Rok-On - T&G - B	5	32	3	23-Jan-24 A	14-Mar-24	139	85%	█													
B-EXT-140	Install Air Barrier - T&G - B	2	0	2	15-Mar-24	18-Mar-24	139	0%		█												
B-EXT-210	Install T&G Wood Siding - B	20	0	20	19-Mar-24	15-Apr-24	139	0%		█												
Stone Veneer - B		47	32	23	23-Jan-24 A	11-Apr-24	141															



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									Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb			
B-EXT-120	Install Rok-On - SV- B	5	32	3	23-Jan-24 A	14-Mar-24	141	85%	[Gantt bar: Mar 23-24, 85% complete]															
B-EXT-200	Install Stone Veneer - SV- B	20	0	20	15-Mar-24	11-Apr-24	141	0%	[Gantt bar: Mar 15-24, 0% complete]															
Metal Wall Panels - B		49	32	25	23-Jan-24 A	15-Apr-24	139																	
B-EXT-240	Install Rok-On - MWP - B	5	32	3	23-Jan-24 A	14-Mar-24	139	85%	[Gantt bar: Mar 23-24, 85% complete]															
B-EXT-250	Install Air Barrier - MWP - B	2	0	2	15-Mar-24	18-Mar-24	139	0%	[Gantt bar: Mar 15-24, 0% complete]															
B-EXT-270	Install Metal Wall Panels - MWP - B	20	0	20	19-Mar-24	15-Apr-24	139	0%	[Gantt bar: Mar 19-24, 0% complete]															
Second Floor Patio - B		141	0	141	08-Mar-24	26-Sep-24	10																	
B-EXT-730	Install Waterproof Membrane System - B- 2F Patio	8	0	8	08-Mar-24	19-Mar-24	101	0%	[Gantt bar: Mar 08-24, 0% complete]															
B-EXT-740	Install Rigid Insulation - B- 2F Patio	6	0	6	20-Mar-24	27-Mar-24	101	0%	[Gantt bar: Mar 20-24, 0% complete]															
B-EXT-750	Install Drainage Mat - B- 2F Patio	2	0	2	28-Mar-24	29-Mar-24	101	0%	[Gantt bar: Mar 28-24, 0% complete]															
B-EXT-760	Install Lightweight Aggregate Drainage System - B- 2F Patio	4	0	4	01-Apr-24	04-Apr-24	101	0%	[Gantt bar: Apr 01-24, 0% complete]															
B-EXT-770	Place Prefabbed Concrete Curbs - B- 2F Patio	5	0	5	05-Apr-24	11-Apr-24	101	0%	[Gantt bar: Apr 05-24, 0% complete]															
B-EXT-780	Install Pedestal System Concrete Pavers - B- 2F Patio	10	0	10	12-Apr-24	25-Apr-24	101	0%	[Gantt bar: Apr 12-24, 0% complete]															
B-EXT-820	Install Guardrails - B- 2F Patio	6	0	6	06-Sep-24	13-Sep-24	10	0%	[Gantt bar: Sep 06-24, 0% complete]															
B-EXT-790	Place Growing Medium - B- 2F Patio	4	0	4	16-Sep-24	19-Sep-24	10	0%	[Gantt bar: Sep 16-24, 0% complete]															
B-EXT-800	Place River Rock - B- 2F Patio	3	0	3	20-Sep-24	24-Sep-24	10	0%	[Gantt bar: Sep 20-24, 0% complete]															
B-EXT-810	Install Landscaping - B- 2F Patio	5	0	5	20-Sep-24	26-Sep-24	10	0%	[Gantt bar: Sep 20-24, 0% complete]															
Exterior Finishes - A		171	0	171	08-Mar-24	08-Nov-24	-5																	
A-EXT-100	Frame Metal Exterior Walls - A	15	0	15	08-Mar-24	28-Mar-24	-20	0%	[Gantt bar: Mar 08-24, 0% complete]															
A-EXT-130	Install Curtain Wall Framing - A	10	0	10	29-Mar-24	11-Apr-24	-14	0%	[Gantt bar: Mar 29-24, 0% complete]															
A-EXT-180	Install Curtain Wall Glazing - A	15	0	15	12-Apr-24	02-May-24	-14	0%	[Gantt bar: Apr 12-24, 0% complete]															
A-EXT-220	Install Temp Exterior Doors - A	5	0	5	03-May-24	09-May-24	101	0%	[Gantt bar: May 03-24, 0% complete]															
A-EXT-350	Install Fascia - A	5	0	5	14-May-24	20-May-24	99	0%	[Gantt bar: May 14-24, 0% complete]															
A-EXT-390	Install Exterior Doors & Hardware - A	5	0	5	04-Nov-24	08-Nov-24	-20	0%	[Gantt bar: Nov 04-24, 0% complete]															
T&G Wood Siding - A		27	0	27	03-May-24	11-Jun-24	10																	
A-EXT-110	Install Rok-On - T&G - A	5	0	5	03-May-24	09-May-24	-14	0%	[Gantt bar: May 03-24, 0% complete]															
A-EXT-140	Install Air Barrier - T&G - A	2	0	2	10-May-24	13-May-24	-14	0%	[Gantt bar: May 10-24, 0% complete]															
A-EXT-210	Install T&G Wood Siding - A	20	0	20	14-May-24	11-Jun-24	10	0%	[Gantt bar: May 14-24, 0% complete]															
Stone Veneer - A		25	0	25	29-Mar-24	02-May-24	126																	
A-EXT-120	Install Rok-On - SV- A	5	0	5	29-Mar-24	04-Apr-24	126	0%	[Gantt bar: Mar 29-24, 0% complete]															
A-EXT-200	Install Stone Veneer - SV- A	20	0	20	05-Apr-24	02-May-24	126	0%	[Gantt bar: Apr 05-24, 0% complete]															
Metal Wall Panels - A		27	0	27	29-Mar-24	06-May-24	124																	
A-EXT-230	Install Rok-On - MWP - A	5	0	5	29-Mar-24	04-Apr-24	124	0%	[Gantt bar: Mar 29-24, 0% complete]															
A-EXT-240	Install Air Barrier - MWP - A	2	0	2	05-Apr-24	08-Apr-24	124	0%	[Gantt bar: Apr 05-24, 0% complete]															
A-EXT-260	Install Metal Wall Panels - MWP - A	20	0	20	09-Apr-24	06-May-24	124	0%	[Gantt bar: Apr 09-24, 0% complete]															
N. Kitchen Deck - A		15	0	15	04-Apr-24	24-Apr-24	103																	
A-EXT-360	Install Composite Wood Decking - A- Deck	5	0	5	04-Apr-24	10-Apr-24	103	0%	[Gantt bar: Apr 04-24, 0% complete]															
A-EXT-370	Install Guardrails - A- Deck	5	0	5	11-Apr-24	17-Apr-24	103	0%	[Gantt bar: Apr 11-24, 0% complete]															



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									Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb			
A-EXT-380	Install Trellis Screen Wall - A - Deck	5	0	5	18-Apr-24	24-Apr-24	103	0%															
Interior Fit Out		244	74	177	20-Nov-23 A	19-Nov-24	-22																
Area C		229	74	162	20-Nov-23 A	28-Oct-24	-9																
C - 1st Floor		229	74	162	20-Nov-23 A	28-Oct-24	-9																
C - Rough-Ins - 1F		106	74	42	20-Nov-23 A	06-May-24	99																
C1-RI-110	C- Install West Stairs Steel Framing	10	6	0	20-Nov-23 A	28-Nov-23 A		100%															
C1-RI-100	C- Frame Partition Walls -1F	15	44	0	21-Nov-23 A	25-Jan-24 A		100%															
C1-RI-120	C- Install Metal Pan Tread/Risers @ West Stair	5	5	0	29-Nov-23 A	05-Dec-23 A		100%															
C1-RI-140	C- Rough-in HVAC Ductwork -1F	15	55	6	18-Dec-23 A	19-Mar-24	3	70%															
C1-RI-150	C- Rough-In Overhead Plumbing -1F	3	53	3	20-Dec-23 A	14-Mar-24	6	70%															
C1-RI-260	C- Rough-In In Wall Plumbing -1F	10	53	3	20-Dec-23 A	02-Apr-24	-1	70%															
C1-RI-160	C- Rough-in Overhead Electric -1F	8	42	4	08-Jan-24 A	15-Mar-24	5	60%															
C1-RI-270	C- Rough-in In Wall Electric -1F	6	42	2	08-Jan-24 A	01-Apr-24	0	85%															
C1-RI-300	C- Install Voice/Data Conduit -1F	5	42	3	08-Jan-24 A	15-Apr-24	1	85%															
C1-RI-350	C- Pull Electrical Wire -1F	5	42	3	08-Jan-24 A	06-May-24	48	85%															
C1-RI-210	C- Hang VAV's -1F	10	18	0	24-Jan-24 A	16-Feb-24 A		100%															
C1-RI-220	C- Install Exhaust Fans -1F	10	0	10	08-Mar-24	21-Mar-24	66	0%															
C1-RI-240	C- Install Electric Heaters -1F	10	0	10	08-Mar-24	21-Mar-24	66	0%															
C1-RI-130	C- Hang Sprinkler Mains -1F	10	0	10	12-Mar-24	25-Mar-24	-1	0%															
C1-RI-170	C- Install Overhead Cable Trays -1F	8	0	8	12-Mar-24	21-Mar-24	1	0%															
C1-RI-180	C-Install Roof Drain Piping -1F	5	0	5	12-Mar-24	18-Mar-24	10	0%															
C1-RI-190	C- Install Fire Pump & Riser -1F	20	0	20	12-Mar-24	08-Apr-24	113	0%															
C1-RI-200	C- Place & Cure Concrete Fill @ West Stair	12	0	12	12-Mar-24	27-Mar-24	127	0%															
C1-RI-250	C- Set Door Frames -1F	3	0	3	26-Mar-24	28-Mar-24	-1	0%															
C1-RI-230	C- Hang Sprinkler Branches -1F	8	0	8	26-Mar-24	04-Apr-24	56	0%															
C1-RI-280	C- Insulate Walls -1F	6	0	6	03-Apr-24	10-Apr-24	-1	0%															
C1-RI-290	C- Build Electrical Panels -1F	10	0	10	11-Apr-24	24-Apr-24	-1	0%															
C1-RI-310	C- Install Dry-Type Transformer -1F	15	0	15	11-Apr-24	01-May-24	48	0%															
C1-RI-320	C- Install OH Cable Trays -1F	5	0	5	11-Apr-24	17-Apr-24	-1	0%															
C1-RI-330	C- Pull Voice/Data Cable -1F	5	0	5	18-Apr-24	24-Apr-24	-1	0%															
C1-RI-340	C- Rough-In DDC Controls -1F	5	0	5	25-Apr-24	01-May-24	63	0%															
C - Finishes - 1F		115	0	115	14-May-24	28-Oct-24	-9																
C1-FIN-110	C- Hang Gypsum Board Walls -1F	12	0	12	14-May-24	30-May-24	-14	0%															
C1-FIN-120	C- Install GWB Ceilings -1F	8	0	8	31-May-24	11-Jun-24	-14	0%															
C1-FIN-100	C- Guardrails/Gate @ West Stairs	8	0	8	31-May-24	11-Jun-24	82	0%															
C1-FIN-130	C- Paint/Finish Gypsum Board Walls/Ceilings -1F	8	0	8	12-Jun-24	24-Jun-24	-14	0%															
C1-FIN-140	C- Install ACT Ceiling Grids -1F	15	0	15	25-Jun-24	16-Jul-24	-14	0%															



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									Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb			
C2-RI-210	C- Set Door Frames -2F	3	0	3	02-Apr-24	04-Apr-24	-1	0%															
C2-RI-240	C- Insulate Walls -2F	6	0	6	10-Apr-24	17-Apr-24	-1	0%															
C2-RI-250	C- Build Electrical Panels -2F	10	0	10	18-Apr-24	01-May-24	-1	0%															
C2-RI-270	C- Install Dry-Type Transformer -2F	15	0	15	18-Apr-24	08-May-24	43	0%															
C2-RI-280	C- Install OH Cable Trays -2F	5	0	5	18-Apr-24	24-Apr-24	-1	0%															
C2-RI-290	C- Pull Voice/Data Cable -2F	5	0	5	25-Apr-24	01-May-24	-1	0%															
C2-RI-300	C- Rough-In DDC Controls -2F	5	0	5	02-May-24	08-May-24	58	0%															
C - Finishes -2F		110	0	110	02-May-24	08-Oct-24	4	0%															
C2-FIN-100	C- Hang Gypsum Board Walls -2F	12	0	12	02-May-24	17-May-24	-1	0%															
C2-FIN-110	C- Install GWB Ceilings -2F	8	0	8	20-May-24	30-May-24	-1	0%															
C2-FIN-120	C- Paint/Finish Gypsum Board Walls/Ceilings -2F	6	0	6	31-May-24	07-Jun-24	-1	0%															
C2-FIN-130	C- Install ACT Ceiling Grids -2F	10	0	10	10-Jun-24	24-Jun-24	-1	0%															
C2-FIN-140	C- Install Wall Tile (BRs) -2F	6	0	6	10-Jun-24	17-Jun-24	65	0%															
C2-FIN-150	C- Install Water Heaters -2F	10	0	10	10-Jun-24	24-Jun-24	62	0%															
C2-FIN-160	C- Install Expansion Tank -2F	8	0	8	10-Jun-24	20-Jun-24	62	0%															
C2-FIN-170	C- Install Circ Pump -2F	8	0	8	10-Jun-24	20-Jun-24	62	0%															
C2-FIN-180	C- Trim Out Sprinkler Heads -2F	10	0	10	25-Jun-24	09-Jul-24	-1	0%															
C2-FIN-190	C- Trim Out Grilles, Regs, Diffusers -2F	8	0	8	25-Jun-24	05-Jul-24	1	0%															
C2-FIN-200	C- Install Light Fixtures -2F	8	0	8	25-Jun-24	05-Jul-24	1	0%															
C2-FIN-220	C- Install Casework -2F	12	0	12	08-Jul-24	23-Jul-24	48	0%															
C2-FIN-210	C- Drop ACT Ceiling Tiles -2F	6	0	6	10-Jul-24	17-Jul-24	-1	0%															
C2-FIN-230	C- Install Electrical Devices -2F	12	0	12	18-Jul-24	02-Aug-24	-1	0%															
C2-FIN-240	C- Trim Out DDC Controls -2F	12	0	12	18-Jul-24	02-Aug-24	11	0%															
C2-FIN-250	C- Install Floor Tile (BRs) -2F	7	0	7	18-Jul-24	26-Jul-24	45	0%															
C2-FIN-260	C- Install Plumbing Fixtures -2F	10	0	10	29-Jul-24	09-Aug-24	45	0%															
C2-FIN-270	C- Install DIV 10 Accesories (BRs) -2F	6	0	6	29-Jul-24	05-Aug-24	45	0%															
C2-FIN-280	C- Install Fire Alarm Devices -2F	12	0	12	05-Aug-24	20-Aug-24	-1	0%															
C2-FIN-290	C- Install Comm Devices -2F	12	0	12	05-Aug-24	20-Aug-24	-1	0%															
C2-FIN-300	C- Finish Painting -2F	6	0	6	21-Aug-24	28-Aug-24	-1	0%															
C2-FIN-310	C- Install LVT -2F	20	0	20	29-Aug-24	26-Sep-24	-1	0%															
C2-FIN-320	C- Install SDT -2F	5	0	5	29-Aug-24	05-Sep-24	14	0%															
C2-FIN-330	C- Seal Concrete Floor -2F	5	0	5	29-Aug-24	05-Sep-24	14	0%															
C2-FIN-340	C- Install Telecom Rack -2F	8	0	8	06-Sep-24	17-Sep-24	15	0%															
C2-FIN-350	C- Install Doors & Hardware -2F	6	0	6	27-Sep-24	04-Oct-24	-1	0%															
C2-FIN-360	C- Hang Signage -2F	2	0	2	07-Oct-24	08-Oct-24	2	0%															
Area B		203	42	170	08-Jan-24 A	12-Nov-24	-19																



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									Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb			
B2-RI-160	B-Install Roof Drain Piping -2F (A-C)	5	0	5	20-Mar-24	26-Mar-24	6	0%															
B2-RI-170	B- Hang VAV's -2F (A-C)	10	0	10	27-Mar-24	09-Apr-24	-17	0%															
B2-RI-180	B- Install Exhaust Fans -2F (A-C)	10	0	10	27-Mar-24	09-Apr-24	55	0%															
B2-RI-190	B- Hang Sprinkler Branches -2F (A-C)	8	0	8	03-Apr-24	12-Apr-24	50	0%															
B2-RI-210	B- Set Door Frames -2F (A-C)	3	0	3	10-Apr-24	12-Apr-24	-17	0%															
B2-RI-220	B- Rough-In In Wall Plumbing -2F (A-C)	10	0	10	15-Apr-24	26-Apr-24	-17	0%															
B2-RI-230	B- Rough-in In Wall Electric -2F (A-C)	6	0	6	15-Apr-24	22-Apr-24	-13	0%															
B2-RI-240	B- Insulate Walls -2F (A-C)	6	0	6	29-Apr-24	06-May-24	-17	0%															
B2-RI-250	B- Pull Electrical Wire -2F (A-C)	10	0	10	07-May-24	20-May-24	-17	0%															
B2-RI-260	B- Install Voice/Data Conduit -2F (A-C)	5	0	5	07-May-24	13-May-24	-17	0%															
B2-RI-280	B-Install OH Cable Trays -2F (A-C)	5	0	5	07-May-24	13-May-24	-17	0%															
B2-RI-290	B- Pull Voice/Data Cable -2F (A-C)	5	0	5	14-May-24	20-May-24	-17	0%															
B2-RI-300	B- Rough-In DDC Controls -2F (A-C)	5	0	5	21-May-24	28-May-24	45	0%															
B - Finishes - 2F - Column A - C		113	0	113	21-May-24	31-Oct-24	-12																
B2-FIN-100	B- Hang Gypsum Board Walls -2F (A-C)	15	0	15	21-May-24	11-Jun-24	-17	0%															
B2-FIN-110	B- Install GWB Ceilings -2F (A-C)	10	0	10	12-Jun-24	26-Jun-24	-17	0%															
B2-FIN-120	B- Paint/Finish Gypsum Board Walls/Ceilings -2F (A-C)	8	0	8	27-Jun-24	09-Jul-24	-17	0%															
B2-FIN-130	B- Install ACT Ceiling Grids -2F (A-C)	8	0	8	10-Jul-24	19-Jul-24	-17	0%															
B2-FIN-140	B- Install Wall Tile (BRs) -2F (A-C)	6	0	6	10-Jul-24	17-Jul-24	45	0%															
B2-FIN-150	B- Trim Out Sprinkler Heads -2F (A-C)	10	0	10	22-Jul-24	02-Aug-24	-17	0%															
B2-FIN-160	B- Trim Out Grilles, Regs, Diffusers -2F (A-C)	8	0	8	22-Jul-24	31-Jul-24	-15	0%															
B2-FIN-170	B- Install Light Fixtures -2F (A-C)	8	0	8	22-Jul-24	31-Jul-24	-15	0%															
B2-FIN-190	B- Install Casework -2F (A-C)	8	0	8	01-Aug-24	12-Aug-24	34	0%															
B2-FIN-180	B- Drop ACT Ceiling Tiles -2F (A-C)	4	0	4	05-Aug-24	08-Aug-24	-17	0%															
B2-FIN-200	B- Install Electrical Devices -2F (A-C)	12	0	12	09-Aug-24	26-Aug-24	-17	0%															
B2-FIN-210	B- Trim Out DDC Controls -2F (A-C)	12	0	12	09-Aug-24	26-Aug-24	-5	0%															
B2-FIN-220	B- Install Floor Tile (BRs) -2F (A-C)	7	0	7	09-Aug-24	19-Aug-24	29	0%															
B2-FIN-250	B- Install Plumbing Fixtures -2F (A-C)	10	0	10	20-Aug-24	03-Sep-24	29	0%															
B2-FIN-260	B- Install DIV 10 Accesories (BRs) -2F (A-C)	6	0	6	20-Aug-24	27-Aug-24	29	0%															
B2-FIN-230	B- Install Fire Alarm Devices -2F (A-C)	12	0	12	27-Aug-24	12-Sep-24	-17	0%															
B2-FIN-240	B- Install Comm Devices -2F (A-C)	12	0	12	27-Aug-24	12-Sep-24	-17	0%															
B2-FIN-270	B- Finish Painting -2F (A-C)	6	0	6	13-Sep-24	20-Sep-24	-17	0%															
B2-FIN-280	B- Install LVT -2F (A-C)	20	0	20	23-Sep-24	21-Oct-24	-17	0%															
B2-FIN-290	B- Install Carpet -2F (A-C)	6	0	6	23-Sep-24	30-Sep-24	-3	0%															
B2-FIN-320	B- Install Doors & Hardware -2F (A-C)	6	0	6	22-Oct-24	29-Oct-24	-17	0%															
B2-FIN-330	B- Hang Signage -2F (A-C)	2	0	2	30-Oct-24	31-Oct-24	-14	0%															



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									Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb			
B - 2F - Column C - F		173	25	149	01-Feb-24 A	16-Oct-24	-3																
B - Rough-Ins - 2F - Column C - F		87	25	63	01-Feb-24 A	12-Jun-24	52																
B2-RI-320	B- Frame Partition Walls -2F (C-F)	15	25	3	01-Feb-24 A	19-Mar-24	-6	90%															
B2-RI-330	B- Hang Sprinkler Mains -2F (C-F)	10	0	10	20-Mar-24	02-Apr-24	-1	0%															
B2-RI-340	B- Rough-in HVAC Ductwork -2F (C-F)	15	0	15	20-Mar-24	09-Apr-24	-6	0%															
B2-RI-350	B- Rough-In Overhead Plumbing -2F (C-F)	3	0	3	20-Mar-24	22-Mar-24	6	0%															
B2-RI-360	B- Rough-in Overhead Electric -2F (C-F)	8	0	8	20-Mar-24	29-Mar-24	1	0%															
B2-RI-370	B-Install Roof Drain Piping -2F (C-F)	5	0	5	20-Mar-24	26-Mar-24	23	0%															
B2-RI-520	B- Install Bridge Guardrails -2F	10	0	10	20-Mar-24	02-Apr-24	102	0%															
B2-RI-380	B- Hang VAV's -2F (C-F)	10	0	10	27-Mar-24	09-Apr-24	-6	0%															
B2-RI-390	B- Install Exhaust Fans -2F (C-F)	10	0	10	27-Mar-24	09-Apr-24	55	0%															
B2-RI-400	B- Hang Sprinkler Branches -2F (C-F)	8	0	8	03-Apr-24	12-Apr-24	50	0%															
B2-RI-420	B- Set Door Frames -2F (C-F)	3	0	3	10-Apr-24	12-Apr-24	-6	0%															
B2-RI-430	B- Rough-In In Wall Plumbing -2F (C-F)	10	0	10	15-Apr-24	26-Apr-24	0	0%															
B2-RI-440	B- Rough-in In Wall Electric -2F (C-F)	6	0	6	15-Apr-24	22-Apr-24	-6	0%															
B2-RI-450	B- Install Voice/Data Conduit -2F (C-F)	5	0	5	23-Apr-24	29-Apr-24	-6	0%															
B2-RI-470	B- Pull Voice/Data Cable -2F (C-F)	5	0	5	30-Apr-24	06-May-24	-6	0%															
B2-RI-480	B- Rough-In DDC Controls -2F (C-F)	5	0	5	30-Apr-24	06-May-24	60	0%															
B2-RI-490	B- Insulate Walls -2F (C-F)	6	0	6	07-May-24	14-May-24	-6	0%															
B2-RI-500	B- Build Electrical Panels -2F (C-F)	10	0	10	15-May-24	29-May-24	22	0%															
B2-RI-510	B- Install Dry-Type Transformer -2F (C-F)	15	0	15	15-May-24	05-Jun-24	22	0%															
B2-RI-460	B- Pull Electrical Wire -2F (C-F)	5	0	5	06-Jun-24	12-Jun-24	22	0%															
B - Finishes - 2F - Column C - F		106	0	106	15-May-24	16-Oct-24	-3																
B2-FIN-340	B- Hang Gypsum Board Walls -2F (C-F)	12	0	12	15-May-24	31-May-24	-6	0%															
B2-FIN-350	B- Install GWB Ceilings -2F (C-F)	8	0	8	03-Jun-24	12-Jun-24	-6	0%															
B2-FIN-360	B- Paint/Finish Gypsum Board Walls/Ceilings -2F (C-F)	8	0	8	13-Jun-24	25-Jun-24	-6	0%															
B2-FIN-370	B- Install ACT Ceiling Grids -2F (C-F)	6	0	6	26-Jun-24	03-Jul-24	-6	0%															
B2-FIN-380	B- Trim Out Sprinkler Heads -2F (C-F)	10	0	10	05-Jul-24	18-Jul-24	-6	0%															
B2-FIN-390	B- Trim Out Grilles, Regs, Diffusers -2F (C-F)	8	0	8	05-Jul-24	16-Jul-24	-4	0%															
B2-FIN-400	B- Install Light Fixtures -2F (C-F)	8	0	8	05-Jul-24	16-Jul-24	-4	0%															
B2-FIN-420	B- Install Casework -2F (C-F)	8	0	8	17-Jul-24	26-Jul-24	51	0%															
B2-FIN-410	B- Drop ACT Ceiling Tiles -2F (C-F)	4	0	4	19-Jul-24	24-Jul-24	-6	0%															
B2-FIN-430	B- Install Electrical Devices -2F (C-F)	12	0	12	25-Jul-24	09-Aug-24	-6	0%															
B2-FIN-440	B- Trim Out DDC Controls -2F (C-F)	12	0	12	25-Jul-24	09-Aug-24	6	0%															
B2-FIN-450	B- Install Fire Alarm Devices -2F (C-F)	12	0	12	12-Aug-24	27-Aug-24	-6	0%															
B2-FIN-460	B- Install Comm Devices -2F (C-F)	12	0	12	12-Aug-24	27-Aug-24	-6	0%															
B2-FIN-470	B- Finish Painting -2F (C-F)	6	0	6	28-Aug-24	05-Sep-24	-6	0%															



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									Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb					
A-RI-780	A- Install Ductless Heat Pumps -Gym	10	0	10	03-Apr-24	16-Apr-24	68	0%																	
A-RI-620	A- Set Door Frames -Gym	4	0	4	15-Apr-24	18-Apr-24	-26	0%																	
A-RI-650	A- Rough-In In Wall Plumbing -Gym	10	0	10	19-Apr-24	02-May-24	-26	0%																	
A-RI-660	A- Rough-in In Wall Electric -Gym	6	0	6	19-Apr-24	26-Apr-24	-22	0%																	
A-RI-670	A- Insulate Walls -Gym	6	0	6	03-May-24	10-May-24	-26	0%																	
A-RI-680	A- Build Electrical Panels -Gym	7	0	7	13-May-24	21-May-24	-26	0%																	
A-RI-790	A- Install Dry-Type Transformers -Gym	10	0	10	22-May-24	05-Jun-24	-26	0%																	
A-RI-800	A- Install ATS -Gym	10	0	10	22-May-24	05-Jun-24	-26	0%																	
A-RI-700	A- Install Voice/Data Conduit -Gym	5	0	5	06-Jun-24	12-Jun-24	-26	0%																	
A-RI-720	A- Rough-In DDC Controls -Gym	5	0	5	06-Jun-24	12-Jun-24	42	0%																	
A-RI-740	A- Pull Electrical Wire -Gym	5	0	5	06-Jun-24	12-Jun-24	47	0%																	
A-RI-710	A- Pull Voice/Data Cable -Gym	5	0	5	13-Jun-24	20-Jun-24	-26	0%																	
A Finishes - Gym		104	0	104	21-Jun-24	19-Nov-24	-26																		
A-FIN-750	A- Hang Gypsum Board Walls -Gym	15	0	15	21-Jun-24	12-Jul-24	-26	0%																	
A-FIN-740	A- Install GWB Ceilings -Gym	10	0	10	15-Jul-24	26-Jul-24	-26	0%																	
A-FIN-990	A- Install Wooden Wall Panels -Gym	20	0	20	15-Jul-24	09-Aug-24	7	0%																	
A-FIN-760	A- Paint/Finish Gypsum Board Walls/Ceilings -Gym	12	0	12	29-Jul-24	13-Aug-24	-26	0%																	
A-FIN-1000	A- Install T&G Wood Ceiling Finishes -Gym	20	0	20	29-Jul-24	23-Aug-24	-22	0%																	
A-FIN-1050	A- Paint Exposed Ductwork -Gym	6	0	6	29-Jul-24	05-Aug-24	32	0%																	
A-FIN-730	A- Install ACT Ceiling Grids -Gym	12	0	12	14-Aug-24	29-Aug-24	-26	0%																	
A-FIN-900	A- Install Wall Tile (Locker/BRs) -Gym	8	0	8	14-Aug-24	23-Aug-24	8	0%																	
A-FIN-1090	A- Install Acoustical Wall Panels (NS Coridor) -Gym	10	0	10	14-Aug-24	27-Aug-24	-5	0%																	
A-FIN-1010	A- Install Basketball Hoops -Gym	7	0	7	26-Aug-24	04-Sep-24	1	0%																	
A-FIN-770	A- Trim Out Sprinkler Heads -Gym	8	0	8	30-Aug-24	11-Sep-24	-26	0%																	
A-FIN-780	A- Trim Out Grilles, Regs, Diffusers -Gym	8	0	8	30-Aug-24	11-Sep-24	-26	0%																	
A-FIN-840	A- Install Light Fixtures -Gym	8	0	8	30-Aug-24	11-Sep-24	-26	0%																	
A-FIN-830	A- Drop ACT Ceiling Tiles -Gym	6	0	6	12-Sep-24	19-Sep-24	-26	0%																	
A-FIN-790	A- Install Electrical Devices -Gym	5	0	5	20-Sep-24	26-Sep-24	-21	0%																	
A-FIN-870	A- Install Fire Alarm Devices -Gym	5	0	5	20-Sep-24	26-Sep-24	-21	0%																	
A-FIN-880	A- Install Comm Devices -Gym	5	0	5	20-Sep-24	26-Sep-24	-21	0%																	
A-FIN-910	A- Trim Out DDC Controls -Gym	10	0	10	20-Sep-24	03-Oct-24	-26	0%																	
A-FIN-930	A- Install Floor Tile (Locker/BRs) -Gym	15	0	15	20-Sep-24	10-Oct-24	-10	0%																	
A-FIN-860	A- Finish Painting -Gym	6	0	6	04-Oct-24	11-Oct-24	-26	0%																	
A-FIN-800	A- Install Plumbing Fixtures -Gym	10	0	10	11-Oct-24	25-Oct-24	-10	0%																	
A-FIN-810	A- Install DIV 10 Accesories (Locker/BRs) -Gym	8	0	8	11-Oct-24	23-Oct-24	-10	0%																	
A-FIN-920	A- Install Lockers -Gym	8	0	8	11-Oct-24	23-Oct-24	-10	0%																	



■ Remaining Level of Effort
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Activity ID	Activity Name	Orig Dur	Act Dur	Rem Dur	Start	Finish	Total Float	% Comp	2024												2025	
									Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb		
Valle Crucis School		451	167	287	23-Sep-23 A	19-Dec-24	-40															
PROJECT MILESTONES		30	0	30	19-Nov-24	19-Dec-24	-40															
MILE 110	Final Certificate of Occupancy (09NOV24)	0	0	0		19-Dec-24*	-40	0%														◆ Final Certificate of Oc
MILE 150	Projected Completion	0	0	0		19-Dec-24	-40	0%														◆ Projected Completion
Area Milestones		0	0	0	19-Nov-24	19-Nov-24	-40															
MILE 200	Area A Substantial Completion	0	0	0		19-Nov-24	-40	0%														◆ Area A Substantial Completion
CONSTRUCTION		288	112	177	23-Sep-23 A	19-Nov-24	-26															
Building Shell		104	112	8	23-Sep-23 A	19-Mar-24	-26															
Foundations		14	112	7	23-Sep-23 A	18-Mar-24	-26															
Foundations - Area A		14	112	7	23-Sep-23 A	18-Mar-24	-26															
A-FOUN-300	Finish In-Slab RI's - A	14	112	3	23-Sep-23 A	12-Mar-24	-26	90%														■ Finish In-Slab RI's - A
A-FOUN-170	Install Stone & Vapor Barrier - A	2	100	3	12-Oct-23 A	15-Mar-24	-26	80%														■ Install Stone & Vapor Barrier - A
A-FOUN-200	Reinforce Slab - A	3	98	3	16-Oct-23 A	15-Mar-24	-26	80%														■ Reinforce Slab - A
A-FOUN-210	Place & Cure Slab - A	1	95	1	19-Oct-23 A	18-Mar-24	-26	80%														■ Place & Cure Slab - A
Structure		12	59	3	12-Dec-23 A	18-Mar-24	-26															
Structure - Area A		12	59	3	12-Dec-23 A	18-Mar-24	-26															
A-STR-100	Erect Structural Steel - A	12	59	3	12-Dec-23 A	18-Mar-24	-26	90%														■ Erect Structural Steel - A
Roof		10	6	4	29-Feb-24 A	19-Mar-24	-26															
Roof - Area A		10	6	4	29-Feb-24 A	19-Mar-24	-26															
A - High Roof		10	6	4	29-Feb-24 A	19-Mar-24	-26															
A-ROOF-120	Install T&G Wood Roof Deck - High Roofs A	10	6	4	29-Feb-24 A	19-Mar-24	-26	25%														■ Install T&G Wood Roof Deck - High Roofs A
Interior Fit Out		169	0	169	20-Mar-24	19-Nov-24	-26															
Area A		169	0	169	20-Mar-24	19-Nov-24	-26															
A - Gym		169	0	169	20-Mar-24	19-Nov-24	-26															
A Rough-In - Gym		65	0	65	20-Mar-24	20-Jun-24	-26															
A-RI-590	A- Furr Out CMU Walls -Gym	10	0	10	20-Mar-24	02-Apr-24	-26	0%														■ A- Furr Out CMU Walls -Gym
A-RI-810	A- Frame Partition Walls -Gym	10	0	10	20-Mar-24	02-Apr-24	-26	0%														■ A- Frame Partition Walls -Gym
A-RI-640	A- Rough-in Overhead Electric -Gym	8	0	8	03-Apr-24	12-Apr-24	-26	0%														■ A- Rough-in Overhead Electric -Gym
A-RI-620	A- Set Door Frames -Gym	4	0	4	15-Apr-24	18-Apr-24	-26	0%														■ A- Set Door Frames -Gym
A-RI-650	A- Rough-In In Wall Plumbing -Gym	10	0	10	19-Apr-24	02-May-24	-26	0%														■ A- Rough-In In Wall Plumbing -Gym
A-RI-670	A- Insulate Walls -Gym	6	0	6	03-May-24	10-May-24	-26	0%														■ A- Insulate Walls -Gym
A-RI-680	A- Build Electrical Panels -Gym	7	0	7	13-May-24	21-May-24	-26	0%														■ A- Build Electrical Panels -Gym
A-RI-790	A- Install Dry-Type Transformers -Gym	10	0	10	22-May-24	05-Jun-24	-26	0%														■ A- Install Dry-Type Transformers -Gym
A-RI-800	A- Install ATS -Gym	10	0	10	22-May-24	05-Jun-24	-26	0%														■ A- Install ATS -Gym
A-RI-700	A- Install Voice/Data Conduit -Gym	5	0	5	06-Jun-24	12-Jun-24	-26	0%														■ A- Install Voice/Data Conduit -Gym
A-RI-710	A- Pull Voice/Data Cable -Gym	5	0	5	13-Jun-24	20-Jun-24	-26	0%														■ A- Pull Voice/Data Cable -Gym
A Finishes - Gym		104	0	104	21-Jun-24	19-Nov-24	-26															
A-FIN-750	A- Hang Gypsum Board Walls -Gym	15	0	15	21-Jun-24	12-Jul-24	-26	0%														■ A- Hang Gypsum Board Walls -Gym
A-FIN-740	A- Install GWB Ceilings -Gym	10	0	10	15-Jul-24	26-Jul-24	-26	0%														■ A- Install GWB Ceilings -Gym
A-FIN-760	A- Paint/Finish Gypsum Board Walls/Ceilings -Gym	12	0	12	29-Jul-24	13-Aug-24	-26	0%														■ A- Paint/Finish Gypsum Board Walls/Ceilings -Gym



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AGENDA ITEM 9:

MISCELLANEOUS ADMINISTRATIVE MATTERS

B. Budget Amendments

MANAGER'S COMMENTS:

Deron Geouque, Finance Director, will review budget amendments as included in your packet.

Board approval is requested.



WATAUGA COUNTY
FINANCE OFFICE
814 West King St., Suite 216, Boone, NC 28607 Phone (828) 265-8007

MEMORANDUM

TO: Deron T. Geouque, County Manager
FROM: Misty Watson, CPA
SUBJECT: Budget Amendments
DATE: April 3, 2024

The following budget amendment requires the approval of the Watauga County Board of Commissioners. Board approval is requested.

<u>Account #</u>	<u>Description</u>	<u>Debit</u>	<u>Credit</u>
143300 343010	Emergency Placement Fund		16,583
145410 440810	Emergency Placement Fund Expenses	16,583	

To record additional awards received from the NC Dept of Health and Human Services to assist with placement needs for children, no County match required.

103991 399100	Fund Balance		209,920
109800 498021	Transfer to Capital Projects Fund	209,920	
213980 398100	Transfer from General Fund		209,920
219930 470029	CIP - Mobile units	150,000	
219930 470034	CIP - Security cameras	1,321	
219930 470036	CIP - HVAC	25,000	
219930 470041	CIP - Pavement repair	10,022	
219930 470069	CIP - 1:1 devices	23,577	

To return unused CIP funds from the completed projects listed above to set aside capital project funds for the schools for fiscal year 2022.

103991 399100	Fund Balance		69,845
109800 498021	Transfer to Capital Projects Fund	69,845	
213980 398100	Transfer from General Fund		69,845
219930 470026	CIP - Vehicle Replacements	47,867	
219930 470029	CIP - Mobile units	2,971	
219930 470034	CIP - Security cameras	900	
219930 470036	CIP - HVAC	4,712	
219930 470069	CIP - 1:1 Devices	5,949	
219930 470041	CIP - Pavement repair	7,446	

To return unused CIP funds from the completed projects listed above to set aside capital project funds for the schools for fiscal year 2023.

105911 471000	Lottery funds	144,932	
103300 349909	Lottery funds		144,932

Per Board action taken 1/16/24; to recognize lottery funds above budget.

AGENDA ITEM 9:**MISCELLANEOUS ADMINISTRATIVE MATTERS***C. Announcements***MANAGER'S COMMENTS:**

The Board of Commissioners are invited along with the School Board to a tour of the new Valle Crucis School on April 19, 2024, at 2:00 P.M. Following the tour, at 3:30 P.M., Chairman Turnbow will tour the current Valle Crucis School with a group interested in retaining the building for historical purposes. There may be a quorum present at one or both of the tours.

The following Special Meetings will be held in May 2024:

- May 13 Budget Work Session beginning at 12:00 P.M. in the Commissioners Conference Room
- May 14 Budget Work Session beginning at 9:00 A.M. in the Commissioners Conference Room
- May 21 A Public Hearing to allow for citizen comment on the Proposed Budget will be held at 5:30 P.M. in the Commissioners Board Room.

The Trustees of Caldwell Community College & Technical Institute have invited the Board of Commissioners to a meeting on Wednesday, May 15, 2024, at 6:00 P.M. at the Watauga Campus on Hwy 105 Bypass, Boone NC, in the Student Services Center.

AGENDA ITEM 10:**BREAK**

April 12, 2024

Mr. Deron Geouque
Watauga County Manager
814 West King Street, Suite 205
Boone, NC 28607

Dear Mr. Geouque:

The Trustees of Caldwell Community College and Technical Institute would like to schedule a joint meeting of the College Board of Trustees, the Watauga County Board of Education and the Watauga County Commissioners on Wednesday, May 15, 2023 at 6:00 p.m. at the Student Services Center on our Watauga Campus. A meal will be provided.

Please check the date and time with the Watauga County Commissioners and let my assistant, Christina Bryant, know either by e-mail: clbryant@cccti.edu or phone: 828-726-2240, if May 15th at 6:00 p.m. will accommodate the Watauga County Commissioner's schedule.

Sincerely,

A handwritten signature in black ink, appearing to read "Mark J. Poarch". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Mark J. Poarch, Ed.D.
President

Cc: Larry Turnbow, Chairman
Watauga County Commissioners

AGENDA ITEM 11:

CLOSED SESSION

Attorney/Client Matters – G. S. 143-318.11(a)(3)