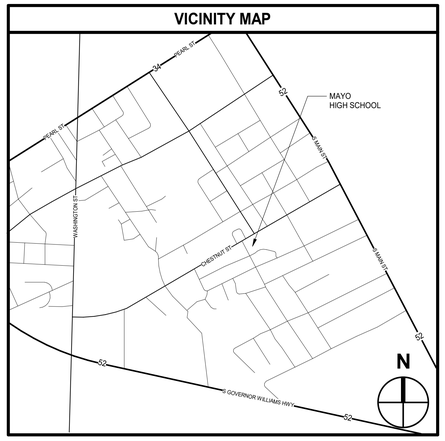
CONSTRUCTION DOCUMENTS

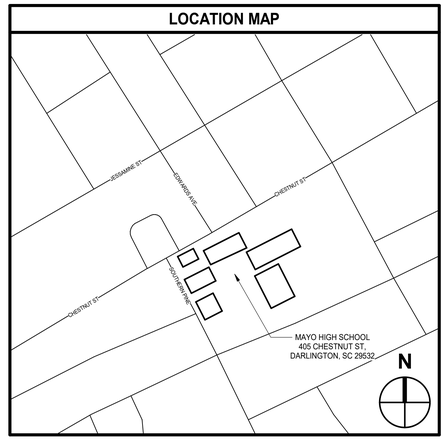
MAYO HIGH SCHOOL
TOILET RENOVATION

DARLINGTON COUNTY SCHOOL DISTRICT

DARLINGTON, SC

DCSD SOLICITATION NO.: FAC2223-04





MOSELEYARCHITECTS

997 MORRISON DRIVE, SUITE 601 CHARLESTON, SC 29403
PHONE (843) 577-5063

MOSELEYARCHITECTS.COM

DRAWING INDEX

THE CONTRACT DOCUMENTS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL.
IN CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.

MOSELEYARCHITECTS
997 MORRISON DRIVE, SUITE 601 CHARLESTON, SC 29403
PHONE (843) 577-5063
MOSELEYARCHITECTS.COM

STATE OF SOUTH CAROLINA
MOSELEY ARCHITECTS P.C.
CHARLESTON, SC
02025
REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA
COREY E. MCCALLA
Charleston, SC
10800
REGISTERED ARCHITECT
03/28/2023

MAYO HIGH SCHOOL TOILET RENOVATION
DCSD SOLICITATION NO.: FAC2223-04
DARLINGTON COUNTY SCHOOL DISTRICT
405 CHESTNUT ST, DARLINGTON, SC 29532

PROJECT NO: 624003
DATE: MARCH 28, 2023

REVISIONS	
DATE	DESCRIPTION

COVER

3/27/2023 11:21:04 AM

CODE DATA SUMMARY

THIS SUMMARY DOES NOT IDENTIFY ALL APPLICABLE CODE SECTIONS AND IS A SUMMARY OF SELECTED CODE SECTIONS ONLY. CODE SECTIONS NOT IDENTIFIED OR OTHERWISE INDICATED DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO COMPLY WITH APPLICABLE CODES, STANDARDS, AND REGULATIONS TO COMPLETE THE WORK.

SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION

Form F3 – Building Code Analysis

Date: 01/13/2022

SUBMITTAL:	☐ Schematic	☐ Design Development	☒ Construction Document

SC CODE EDITION:	2018	ICC CODE EDITION:	2018	ICC A117.1 EDITION:	2017	OSF GUIDE EDITION:	2020
OTHER CODES/STANDARDS & EDITIONS: SC IEBC (2018)							

PROJECT DESCRIPTION: *[Brief Scope of Work & Include project delivery method (i.e. CMR, etc.)]*
Existing bathrooms (four) shall be reconfigured to 2 group bathrooms, that are accessible. A small vestibule addition shall be added to the cafeteria building to allow for enclosed access to the new bathrooms. Design – bid - build

BASIC BUILDING CODE INFORMATION

DESIGNATED AREAS OF BUILDING	Building Code	Area 1	Area 2	Area 3	Area 4	Area 5
	-	☐ SCBC ☒ SCEBC	☐ SCBC ☐ SCEBC	☐ SCBC ☐ SCEBC	☐ SCBC ☐ SCEBC	☐ SCBC ☐ SCEBC
CONSTRUCTION CLASSIFICATION TYPE	Section 602	IIB				
OCCUPANCY GROUP (indicate all)	Section 302	E, A2				
MOST RESTRICTIVE OCCUPANCY GROUP	Tables 504.3, 504.4 & 506.2	A2				
Does building require Incidental Use Area Separation?	Table 509	☐ YES ☒ NO	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO
Does building have Accessory Occupancy (ies)?	Section 508.2	☐ YES ☒ NO	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO
What is the aggregate square footage of the accessory occupancy (ies)?	Section 508.2	SF	SF	SF	SF	SF
What percent of the story is the aggregate of the accessory occupancy (ies)?	Section 508.2	%	%	%	%	%
Mixed Occupancy	Section 508	☐ YES ☒ NO ☐ Nonseparated ☒ Separated	☐ YES ☐ NO ☐ Nonseparated ☐ Separated	☐ YES ☐ NO ☐ Nonseparated ☐ Separated	☐ YES ☐ NO ☐ Nonseparated ☐ Separated	☐ YES ☐ NO ☐ Nonseparated ☐ Separated

SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION

Form F3 – Building Code Analysis

EXISTING BUILDING CODE INFORMATION [SCEBC]

DESIGNATED AREAS OF BUILDING	Area 1	Area 2	Area 3
Method of Compliance: (*Check only one Option and all items that apply under that Option.*)	☐ Option 1: Prescriptive Compliance Method **(Ch. 3, 5)** ☐ Alteration ☐ Addition ☐ Change of Occupancy ☐ Historic Building	☐ Option 1: Prescriptive Compliance Method **(Ch. 3, 5)** ☐ Alteration ☐ Addition ☐ Change of Occupancy ☐ Historic Building	☐ Option 1: Prescriptive Compliance Method **(Ch. 3, 5)** ☐ Alteration ☐ Addition ☐ Change of Occupancy ☐ Historic Building
	☒ Option 2: Work Area Compliance Method **(Ch. 3, 6-12)** ☐ Alteration Level 1 ☒ Alteration Level 2 ☐ Alteration Level 3 ☐ Change of Occupancy ☐ Additions ☐ Historic Building Aggregate area of building: 9437.78 SF Work area: 569.95 SF	☐ Option 2: Work Area Compliance Method **(Ch. 3, 6-12)** ☐ Alteration Level 1 ☐ Alteration Level 2 ☐ Alteration Level 3 ☐ Change of Occupancy ☐ Additions ☐ Historic Building Aggregate area of building: SF Work area: SF	☐ Option 2: Work Area Compliance Method **(Ch. 3, 6-12)** ☐ Alteration Level 1 ☐ Alteration Level 2 ☐ Alteration Level 3 ☐ Change of Occupancy ☐ Additions ☐ Historic Building Aggregate area of building: SF Work area: SF
	☐ Option 3: Performance Compliance Method **(Ch. 3, 13)**	☐ Option 3: Performance Compliance Method **(Ch. 3, 13)**	☐ Option 3: Performance Compliance Method **(Ch. 3, 13)**
Original Building Code and Edition Applicable at the time of Construction:	N/A		
Existing Sprinkler System?	☐ YES ☒ NO	☐ YES ☐ NO	☐ YES ☐ NO
Existing Fire Alarm System?	☒ Manual ☐ Auto	☐ Manual ☐ Auto	☐ Manual ☐ Auto
Seismic Evaluation Required?	☐ YES ☒ NO	☐ YES ☐ NO	☐ YES ☐ NO

SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION

Form F3 – Building Code Analysis

Change of Occupancy:	☐ YES ☐ NO Existing Occupancy Class(s): A3 New Occupancy Classification(s): A3	☐ YES ☐ NO Existing Occupancy Class(s): New Occupancy Classification(s):	☐ YES ☐ NO Existing Occupancy Class(s): New Occupancy Classification(s):
Historic Building:	☐ YES ☐ NO ☐ Preservation ☐ Rehabilitation ☐ Restoration ☐ Reconstruction	☐ YES ☐ NO ☐ Preservation ☐ Rehabilitation ☐ Restoration ☐ Reconstruction	☐ YES ☐ NO ☐ Preservation ☐ Rehabilitation ☐ Restoration ☐ Reconstruction

EXISTING BUILDING CODE INFORMATION [SCEBC]

DESIGNATED AREAS OF BUILDING	Area 4	Area 5
Method of Compliance: (*Check only one Option and all items that apply under that Option.*)	☐ Option 1: Prescriptive Compliance Method **(Ch. 3, 5)** ☐ Alteration ☐ Addition ☐ Change of Occupancy ☐ Historic Building	☐ Option 1: Prescriptive Compliance Method **(Ch. 3, 5)** ☐ Alteration ☐ Addition ☐ Change of Occupancy ☐ Historic Building
	☐ Option 2: Work Area Compliance Method **(Ch. 3, 6-12)** ☐ Alteration Level 1 ☐ Alteration Level 2 ☐ Alteration Level 3 ☐ Change of Occupancy ☐ Additions ☐ Historic Building Aggregate area of building: Work area:	☐ Option 2: Work Area Compliance Method **(Ch. 3, 6-12)** ☐ Alteration Level 1 ☐ Alteration Level 2 ☐ Alteration Level 3 ☐ Change of Occupancy ☐ Additions ☐ Historic Building Aggregate area of building: SF Work area: SF

SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION

Form F3 – Building Code Analysis

	☐ Option 3: Performance Compliance Method **(Ch. 3, 13)**	☐ Option 3: Performance Compliance Method **(Ch. 3, 13)**
Original Building Code and Edition Applicable at the time of Construction:		
Existing Sprinkler System?	☐ YES ☐ NO	☐ YES ☐ NO
Existing Fire Alarm System?	☐ Manual ☐ Auto	☐ Manual ☐ Auto
Seismic Evaluation Required?	☐ YES ☐ NO	☐ YES ☐ NO
Change of Occupancy:	☐ YES ☐ NO Existing Occupancy Classification(s): New Occupancy Classification(s):	☐ YES ☐ NO Existing Occupancy Classification(s): New Occupancy Classification(s):
Historic Building:	☐ YES ☐ NO ☐ Preservation ☐ Rehabilitation ☐ Restoration ☐ Reconstruction	☐ YES ☐ NO ☐ Preservation ☐ Rehabilitation ☐ Restoration ☐ Reconstruction

SUMMARY - BUILDING DESIGN OCCUPANT LOAD

DESIGNATED AREAS OF BUILDING	Area 1	Area 2	Area 3	Area 4	Area 5
1st FLOOR	9982 SF				
2nd FLOOR					
3rd FLOOR					
4th FLOOR					
TOTAL:	0	0	0	0	0

Note: Per SC Building Code Chapter 10, list individual spaces occupant load on life safety plan. **Double Click to Edit Table.**

SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION

Form F3 – Building Code Analysis

ALLOWABLE BUILDING AREA

DESIGNATED AREAS OF BUILDING	Area 1	Area 2	Area 3	Area 4	Area 5
A_t Tabular allowable area factor (NS, S1, S13R or SM as applicable) in accordance with IBC Table 506.2	A_t = 9500 SF	A_t = SF	A_t = SF	A_t = SF	A_t = SF
Allowable Area Increase (Equations 5-1 through 5-5, as applicable)	☒ YES ☐ NO	☐ ☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO
IBC Section 506.3.2 Equation 5-4 where: **$W = (L_1 \times w_1 + L_2 \times w_2 + L_3 \times w_3 + \ldots) / F$**	L_n =	L_n =	L_n =	L_n =	L_n =
W = Width of public way or open space	w_n =	w_n =	w_n =	w_n =	w_n =
L_n Length of a portion of the exterior perimeter wall. w_n Width (>= 20 feet) of public way or open space associated with that portion of the exterior perimeter wall.	W = 30	W =	W =	W =	W =
F Building perimeter that fronts on a public way or open space having a width of 20 feet or more	F = 326	F =	F =	F =	F =
IBC Section 506.3.3 Equation 5-5 where: **$I_f = [F/P - 0.25]\ W/30$**	P = 449	P =	P =	P =	P =
I_f = Area factor increase factor due to frontage F Building perimeter that fronts on a public way or open space having a width of 20 feet or more.	I_f = .476	I_f =	I_f =	I_f =	I_f =
P Perimeter of entire building (feet). W Width of public way or open space in accordance with Equation 5-4					

SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION

Form F3 – Building Code Analysis

	Area 1	Area 2	Area 3	Area 4	Area 5
Allowable building area per story in square feet as calculated by Equations 5-1 through 5-3. (Indicated equation used.) ☒ IBC Section 506.2.1 Equation 5-1 **$A_a = A_t + (N_s \times I_f)$** ☐ IBC Section 506.2.3 Equation 5-2 **$A_a = [A_t + (N_s \times I_f)] \times S_a$** ☐ IBC Section 506.2.4 Equation 5-3 **$A_a = [A_t + (N_s \times I_f)]$** N_s Tabular allowable area factor in accordance with Table 506.2 for a non-sprinklered building *(regardless of whether the building is sprinklered)* S_a Actual number of building stories above grade plane, not to exceed three (3). For buildings equipped throughout with automatic sprinkler system installed in accordance with SCBC Section 903.3.1.2, use the actual number of building stories above grade plane, not to exceed four (4).	N_s = 9500 S_a = 1 A_a = 14022 SF	N_s = S_a = A_a = SF	N_s = S_a = A_a = SF	N_s = S_a = A_a = SF	N_s = S_a = A_a = SF
MAXIMUM AREA PER STORY	14,002	SF	SF	SF	SF
AREA AS DESIGNED PER STORY (Repeat for each story)	9982	SF	SF	SF	SF

SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION

Form F3 – Building Code Analysis

BUILDING HEIGHT

DESIGNATED AREAS OF BUILDING	Building Code	Area 1		Area 2		Area 3	
HEIGHT	-	DESIGNED	ALLOWED	DESIGNED	ALLOWED	DESIGNED	ALLOWED
In Feet	Table 504.3	15	55				
In Stories	Table 504.4	1	2				

Note: Allowable Building Height & Number of Stories Above Grade Plane

BUILDING HEIGHT

DESIGNATED AREAS OF BUILDING	Building Code	Area 4		Area 5	
HEIGHT	-	DESIGNED	ALLOWED	DESIGNED	ALLOWED
In Feet	Table 504.3				
In Stories	Table 504.4				

Note: Allowable Building Height & Number of Stories Above Grade Plane

SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION

Form F3 – Building Code Analysis

GENERAL FIRE PROTECTION REQUIREMENTS

DESIGNATED AREAS OF BUILDING	Building Code	Area 1	Area 2	Area 3	Area 4	Area 5
SEPARATIONS						
Fire Wall Required	Section 706	☐ YES ☒ NO	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO
Fire Barrier Required	Section 707	☐ YES ☒ NO	☐ YES ☐ NO	☐ NO ☐ YES	☐ YES ☐ NO	☐ YES ☐ NO
Fire Partition Required	Section 708	☐ YES ☒ NO	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO
Smoke Barriers Required	Section 709	☐ YES ☒ NO	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO
Smoke Partitions Required	Section 710	☐ YES ☒ NO	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO
Fireblocking	Section 718.2	☐ YES ☒ NO	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO
Draftstopping	Sections 718.3 & 718.4	☐ YES ☒ NO	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO
Incidental Use Area One hour fire barrier Sprinkler system plus smoke resistance	Section 509.4	☐ YES ☒ NO ☐ YES ☒ NO	☐ YES ☐ NO ☐ YES ☐ NO	☐ YES ☐ NO ☐ YES ☐ NO	☐ YES ☐ NO ☐ YES ☐ NO	☐ YES ☐ NO ☐ YES ☐ NO
ALARM & DETECTION						
Fire Alarm and Detection System Fire Alarm Mass Notification Emergency voice/alarm comm.	SCFC Section 907	☒ YES ☐ NO ☒ YES ☐ NO ☒ YES ☐ NO	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO
Emergency Alarm System Required	SCFC Section 908	☒ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO
SUPPRESSION						
Automatic Sprinkler System Provided Required	SCFC Section 903	☐ YES ☒ NO ☐ YES ☐ NO	☐ YES ☐ NO ☐ YES ☐ NO	☐ YES ☐ NO ☐ YES ☐ NO	☐ YES ☐ NO ☐ YES ☐ NO	☐ YES ☐ NO ☐ YES ☐ NO

SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION

Form F3 – Building Code Analysis

		Area 1	Area 2	Area 3	Area 4	Area 5
Alternative Automatic Fire Extinguishing Kitchen Hoods Other	SCFC Section 904	☐ YES ☒ NO ☐ YES ☒ NO	☐ YES ☐ NO ☐ YES ☐ NO	☐ YES ☐ NO ☐ YES ☐ NO	☐ YES ☐ NO ☐ YES ☐ NO	☐ YES ☐ NO ☐ YES ☐ NO
Standpipes Required	SCFC Section 905	☐ YES ☒ NO	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO
Portable extinguishers required General Building Kitchen Labs	SCFC Section 906	☒ YES ☐ NO ☐ YES ☒ NO ☐ YES ☒ NO	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO

OTHER FIRE AND LIFE SAFETY FEATURES

DESIGNATED AREAS OF BUILDING	Building Code	Area 1	Area 2	Area 3	Area 4	Area 5
Smoke Control System	Section 909	☐ YES ☒ NO	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO
Smoke & Heat Removal Required	SCFC 910	☐ YES ☒ NO	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO
Fire Department Connections	Section 912	☐ YES ☒ NO	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO
Carbon Monoxide Detection	Section 915	☒ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO
Gas Detection Systems	Section 916	☐ YES ☒ NO	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO
Emergency Responder Radio Coverage	Section 918	☐ YES ☒ NO	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO
Fire Apparatus Access and Water Line	SCFC 503 & 507	☐ YES ☒ NO	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO
2-way Communication Required	Section 1009.8	☐ YES ☒ NO	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO
Area of Refuge *(e.g. Separation, Two-Way Communication, and Instruction)*	Sections 1009.6, 1009.9, 1009.10 & 1009.11	☐ YES ☒ NO	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO
Exterior Area for Assisted Rescue *(e.g. Separation, Openness, and Instruction)*	Sections 1009.7, 1009.9, 1009.10 & 1009.11	☐ YES ☒ NO	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO
Safe Dispersal Area	Section 1028.5	☐ YES ☒ NO	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO
(Add others as needed)		☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO
(Add others as needed)		☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO	☐ YES ☐ NO

SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION

Form F3 – Building Code Analysis

FIRE RESISTANCE RATING OF BUILDING ELEMENTS

DESIGNATED AREAS OF BUILDING		Building Code	Area 1	Area 2	Area 3	Area 4	Area 5
Primary Structural Frame	As Required, Hrs	Table 601	0				
	As Designed, Hrs		0				
	Testing Agency & Design No.(UL, FM, etc)						
	Wall/Partition Key Code						
Bearing Walls, Exterior	As Required, Hrs	Table 601	0				
	As Designed, Hrs		0				
	Testing Agency & Design No.(UL, FM, etc)						
	Wall/Partition Key Code						
Bearing Walls, Interior	As Required, Hrs	Table 601	0				
	As Designed, Hrs		0				
	Testing Agency & Design No.(UL, FM, etc)						
	Wall/Partition Key Code						
Nonbearing Walls and Partitions, Interior	As Required, Hrs	Table 601	0				
	As Designed, Hrs		0				
	Testing Agency & Design No.(UL, FM, etc)						
	Wall/Partition Key Code						

SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION

Form F3 – Building Code Analysis

FIRE RESISTANCE RATING OF BUILDING ELEMENTS

DESIGNATED AREAS OF BUILDING		Building Code	Area 1	Area 2	Area 3	Area 4	Area 5
Nonbearing Walls and Partitions, Exterior	As Required, Hrs	Table 602	0				
	As Designed, Hrs		0				
	Testing Agency & Design No.(UL, FM, etc)						
	Wall/Partition Key Code						
Floor Construction and associated secondary members	As Required, Hrs	Table 601	0				
	As Designed, Hrs		0				
	Testing Agency & Design No.(UL, FM, etc)						
	Wall/Partition Key Code						
Roof Construction and associated secondary members	As Required, Hrs	Table 601	0				
	As Designed, Hrs		0				
	Testing Agency & Design No.(UL, FM, etc)						
	Wall/Partition Key Code						
Fire Walls	As Required, Hrs	Section 706	2				
	As Designed, Hrs		N/A				
	Testing Agency & Design No.(UL, FM, etc)						
	Wall/Partition Key Code						

SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION

Form F3 – Building Code Analysis

FIRE RESISTANCE RATING OF BUILDING ELEMENTS

DESIGNATED AREAS OF BUILDING		Building Code	Area 1	Area 2	Area 3	Area 4	Area 5
Fire Barriers	As Required, Hrs	Section 707	2				
	As Designed, Hrs		N/A				
	Testing Agency & Design No.(UL, FM, etc)						
	Wall/Partition Key Code						
Fire Partitions	As Required, Hrs	Section 708	1				
	As Designed, Hrs		1				
	Testing Agency & Design No.(UL, FM, etc)						
	Wall/Partition Key Code						
Smoke Barriers	As Required, Hrs	Section 709	1				
	As Designed, Hrs		N/A				
	Testing Agency & Design No.(UL, FM, etc)						
	Wall/Partition Key Code						
Smoke Partitions	As Required, Hrs	Section 710	1				
	As Designed, Hrs		N/A				
	Testing Agency & Design No.(UL, FM, etc)						
	Wall/Partition Key Code						

SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION

Form F3 – Building Code Analysis

FIRE RESISTANCE RATING OF BUILDING ELEMENTS

DESIGNATED AREAS OF BUILDING		Building Code	Area 1	Area 2	Area 3	Area 4	Area 5
Horizontal Assemblies	As Required, Hrs	Section 711	1				
	As Designed, Hrs		N/A				
	Testing Agency & Design No.(UL, FM, etc)						
	Wall/Partition Key Code						
Shaft Enclosures	As Required, Hrs	Sections 712 & 713	N/A				
	As Designed, Hrs		N/A				
	Testing Agency & Design No.(UL, FM, etc)						
	Wall/Partition Key Code						
Opening & Protective Listing by Category (fire shutters, doors, etc.)	As Required, Hrs	Section 716	1				
	As Designed, Hrs		N/A				
	Testing Agency & Design No.(UL, FM, etc)						
	Wall/Partition Key Code						
Others (as required by Designer)	As Required, Hrs		EXISTING				
	As Designed, Hrs						
	Testing Agency & Design No.(UL, FM, etc)						
	Wall/Partition Key Code						

SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION

Form F3 – Building Code Analysis

FLOOD HAZARD INFORMATION and FLOOD LOADS

FLOOD HAZARD AREA	
Base Flood Elevation **(NGVD or FIRM)**	MSL
Design Flood Elevation **SCBC 1612.3 and ASCE 24**	MSL
NON HIGH-VELOCITY WAVE ACTION	
Elevation of Lowest Proposed Floor **(Meet ASCE 24 Section 2.6.2.1)**	MSL
Dry flood proofing **ASCE 24**	☐ no ☐ yes
HIGH-VELOCITY WAVE ACTION	
Elevation of bottom of Lowest Horizontal Structural Member of lowest floor	MSL
Flotation resistant **(ASCE 24)**	☐ no ☐ yes
Breakaway wallper **(ASCE 24)**	☐ no ☐ yes

FIRE SERVICE INFORMATION

Service Line Size		EXISTING
Fire Department Connection	Location	
Backflow	Location	
	Type	
Fire Hydrant Flow Test	Date	
	Flow	GPM
	Residual	PSI
	Static	PSI

ENERGY INFORMATION

INSULATION		
Roof	Cavity	R
	Continuous	R
Walls	Cavity	R
	Continuous	R
Underslab		R
GLAZING (each type)		
Window to wall ratio	North	%
	East	%
	South	%
	West	%
Glass Type	U Factor	
	SHG	

Summary of data from approved ASHRAE 90.1 compliance sheets.

SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION

Form F3 – Building Code Analysis

Per IBC Chapter 16 and ASCE 7 – Structural tables may be shown on initial Structural Sheet of the drawings or on Sheet with other code information. List floor design loads on structural plans.

STRUCTURAL DESIGN INFORMATION, AREA

		Building Code	Area 1	Area 2	Area 3	Area 4	Area 5
OCCUPANCY CATEGORY		**Table 1604.5**	Addition	-	-	-	-
LIVE LOAD FOR EACH CCUPANCY TYPE	Floor Live Load, F_{ll}	**Figure 1608.2 or ASCE 7**	100 PSF	PSF	PSF	PSF	PSF
	Roof Live Load, R_{ll}		20 PSF	PSF	PSF	PSF	PSF
	Ground Snow Load, p_g		10 PSF	PSF	PSF	PSF	PSF
MISCELLANEOUS LOADS BY SPECIAL USE AREA *(ARCHITECTURAL, MECHANICAL, DATA CENTER, ETC.)*		**ASCE 7**	N/A PSF	PSF	PSF	PSF	PSF

SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION

Form F3 – Building Code Analysis

SOILS & SITE

SOILS INVESTIGATION REQUIRED? **(IBC 1803.2)**	☒ no ☐ yes
SOILS CLASSIFICATION	
Seismic Site Class **(SCBC Section 1613.3.2)**	D
Classes Soil of Materials (UCS System) **(SCBC 1803.5.1)**	N/A
Allowable Footing Bearing Pressure	1500 psf
MINIMUM DESIGN SOIL BEARING LOAD **(SCBC Table 1806.2)**	1500 psf
COMPACTION	
Subgrade **(ASTM D698, ASTM D1557)** or **(AASHTO only for paving & roads)**	N/A %
Base **(ASTM D698, ASTM D1557)** or **(AASHTO only for paving & roads)**	N/A %
Other **(ASTM D698, ASTM D1557)** or **(AASHTO only for paving & roads)**	N/A %
MINIMUM DESIGN SOIL LATERAL LOAD **(SCBC 1610.1)**	100 psf
FOOTINGS	
Undisturbed footings	☐ no ☒ yes
Compacted Fill Material **(SCBC Section 1804.6)**	☒ no ☐ yes
ELEVATIONS	
Elevation of Water Table	N/A MSL
Elevation of lowest footing	EXIST MSL
Elevation of lowest floor or basement	EXIST MSL

STRUCTURAL DESIGN INFORMATION, BUILDING

WIND LOADS	Analysis Procedure **(ASCE 7 or SCBC 1609.6)**	ASCE 7
	Basic design Wind Speed, MPH **(3 sec gust IBC Fig 1609.3)**	133 = V
	Exposure Category	B
	Wind Importance Factor **(ASCE 7 Table 1.5-2)**	N/A = I_w
	Internal Pressure Coefficient **(ASCE 7)**	0.18 = GC_{pi}
	External Pressure Coefficient **(ASCE 7)**	VARIES = GC_p
SEISMIC LOADS/Earthquake	Seismic Importance Factor **(ASCE 7)**	1.25
	Site Class **(SCBC Section 1613.3.2)**	D
	Mapped Spectral Response Accelerations	0.299 = S_s 0.109 = S_1
	Design Spectral Response Acceleration Parameters	0.311 = S_{DS} 0.173 = S_{D1}
	Seismic Use Group **(ASCE 7 and Seismic Occupancy Category IBC)**	III
	Seismic Design Category **SCBC Tables 1613.3.5(1) & 1613.3.5(2)**	C
	Basic Seismic Force Resisting System	IRMSW
	Design Base Shear	0.111W KIPS
	Seismic Response Coefficient(s) **ASCE 7**	0.111 = C_s
	Response Modification Factor(s) **ASCE 7**	4 = R
	Analysis Procedure	ELF

SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION

Form F3 – Building Code Analysis

The Designer(s) of Record shall determine the material and/or work on the project requiring Special Inspections. The Special Inspection requirements shall be based on Section 1704 & Section 1705 of the 2018 South Carolina Building Code. Any deviations from the requirements of Section 1704 and/or Section 1705 must be approved by OSF. Per SCBC Chapter 16 and ASCE 7 – This information may be shown on initial Structural Sheet of the drawings or on Sheet with other code information. List floor design loads on structural plans.

STATEMENT OF SPECIAL INSPECTIONS

MATERIAL	TYPE OF INSPECTION	FREQUENCY	SPECIFICATION REFERENCE	INSPECTION BY
SEE DRAWING S0.0.2				

SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION

Form F3 – Building Code Analysis

Provide a table for each structure.

PLUMBING INFORMATION

WATER SYSTEM		
Service Line Size	Inches	
Distribution Design Criteria **(SCPC Table 604.3)**	Fixture Units	
Maximum Flow Rate **(SCPC Table 604.4)**	GPM	
Backflow	Location	EXISTING
	Type	
Test Pressure	EXISTING	
SANITARY SEWER SYSTEM		
Service Line Size	Inches	
Drainage Design Criteria **(SCPC Tables 709.1 and 709.2)**	Fixture Units	
Maximum Flow Rate	EXISTING	
Slope (SCPC Table 704.1)	Inches/Ft	

SUMMARY OF FIXTURES (SCPC Section 403 & Table 403.1)

Water Closets	Male-Required	2
	Male WC -Provided	3
	Male Urinal -Provided	3
	Female-Required	2
	Female-Provided	6
Lavatories	Male-Required	1
	Male-Provided	3
	Female-Required	1
	Female-Provided	3
Showers	Male-Provided	0
	Female-Provided	0
Drinking Fountains	Required	1
	Provided	2
Family or Assisted-Use Toilet	Required	
	Provided	
Service Sink	Required	EXISTING
	Provided	EXISTING
Others (list)	Required	
	Provided	

SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION

Form F3 – Building Code Analysis

Summary of data from approved ASHRAE 90.1 compliance sheets.

MECHANICAL INFORMATION

GENERAL INFORMATION			
Building Location	Darlington, SC		
Climate Zone	3A		
Outdoor Design Temperature	Summer	0 deg F DB	
		0 deg F WB	
	Winter	0 deg F DB	
		0 deg F WB	
Indoor Design Temperature	Summer	0 deg F DB	
		0 % RH	
	Winter	0 deg F DB	
		0 % RH	
OUTSIDE AIR NA (Locker Room, exhaust)			
Occupied Minimum Outside Air	NA cfm per person		
CO2 Demand Management	☐ no ☐ yes		
Supervised Control System	☐ no ☐ yes		
MECHANCIAL SYSTEMS, SERVICE SYSTEMS & EQUIPMENT Briefly describe mechanical system: Split system heat pumps, exhaust fans.			

ELECTRICAL INFORMATION		
SERVICE TRANSFORMER	☒ By Utility	
	☐ By District	KVA Primary Voltage/Phase
ELECTRICALSERVICE INFORMATION		
Service Voltage/Phase	277/480V	2000 Amperes
Service Entrance Conductors Size		Qty per Phase
Total Connected Load		KVA
Estimated Maximum Demand		KVA
Available Fault Current in Symmetrical Amperes		
Interrupting Capacity of Service Overcurrent Device		
Grounding electrode system components (NEC 250)		TEST
EMERGENCY SERVICE INFORMATION		
Emergency Generator	☐ no ☐ yes	KVA Voltage/Phase
	Fuel	
Exit/Emergency Lights Backup Power		☐ Integral Battery ☐ Generator
Fire Alarm System	☐ Manual ☐ Automatic	☐ Addressable ☐ Class A ☐ Class B
LIGHTNING PROTECTION PROVIDED		☐ no ☐ yes

SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION

Form F3 – Building Code Analysis

Note: Expand as Needed. **Double Click to Edit & Change.**

MAYO HS RENOVATION		WATER CLOSETS						LAVATORIES						BATH TUBS/SHOWERS			DRINKING FOUNTAINS			SERVICE SINKS	
		MALE			FEMALE			MALE			FEMALE										
OCCUPANCY	OCC LOAD	FACTOR	REQ'D	PROVIDED	FACTOR	REQ'D	PROVIDED	FACTOR	REQ'D	PROVIDED	FACTOR	REQ'D	PROVIDED	FACTOR	REQ'D	PROVIDED	FACTOR	REQ'D	PROVIDED	REQ'D	PROVIDED
A-2 (dining, food courts)	203	75	1.35	6	75	1.35	6	200	0.51	3	200	0.51	3	0	0.00	0	500	0.41	2	1	1
NEW TOTAL	203		2	6		2	6		1	3		1	3		0	0		1	2	1	1

MOSELEY ARCHITECTS
997 MORRISON DRIVE SUITE 601, CHARLESTON, SC 29403
PHONE (843) 577-5063
MOSELEYARCHITECTS.COM

STATE OF SOUTH CAROLINA — MOSELEY ARCHITECTS P.C. CHARLESTON, SC 02025 — REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA — COREY E. MCCALLA Charleston, SC 10800 — REGISTERED ARCHITECT
03/28/2023

MAYO HIGH SCHOOL TOILET RENOVATION

DCSD SOLICITATION NO.: FAC2223-04
DARLINGTON COUNTY SCHOOL DISTRICT
405 CHESTNUT ST, DARLINGTON, SC 29532

PROJECT NO: 624003
DATE: MARCH 28, 2023

REVISIONS	
DATE	DESCRIPTION

CODE SUMMARY

LS1.0

3/27/2023 11:21:15 AM

X2 UL HW-D-0009 2HR HEAD OF WALL

UL Product iQ™

XHBN.HW-D-0009 - Joint Systems

Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

XHBN - Joint Systems

See General Information for Joint Systems

System No. HW-D-0009

July 20, 2000

Assembly Rating — 2 Hr
Nominal Joint Width — 1 in.
Class II and III Movement Capabilities — 25% Compression, 12% Extension

Accept

Learn More

1. **Floor Assembly —** The fire-rated fluted steel deck/concrete floor assembly shall be constructed of the materials and in the manner described in the individual Floor-Ceiling Design in the UL Fire Resistance Directory and shall include the following construction features:

A. **Steel Floor and Form Units* —** Max 3 in. deep galv steel fluted floor units.

B. **Concrete —** Min 2 1/2 in. thick reinforced concrete, as measured from the top plane of the floor units.

1A. **Roof Assembly —** As an alternate to Item 1, Floor Assembly, the fire-rated roof assembly shall be constructed of the materials and in the manner described in the individual P700, P800 or P900 series Roof-Ceiling Designs in the UL Fire Resistance Directory and shall contain max 1-1/2 in. deep galv steel fluted roof units. The assembly fire rating of the roof assembly shall be equal to or greater than the hourly fire rating of the wall assembly. In the case of spray-applied protection materials on the steel roof units, the joint system shall be installed prior to the spray-applied protection material.

1B. **Floor Assembly —** As an alternate to Item 1, Floor Assembly, min 4-1/2 in. thick reinforced lightweight or normal weight (100-150 pcf) structural concrete.

Accept

2. **Wall Assembly —** Min 4 1/2 in. thick reinforced lightweight or normal weight (100 - [illegible]) concrete. Wall may also be constructed of any UL Classified **Concrete Blocks***. See **Concrete Blocks** (CAZT) category in the Fire Resistance directory for names of manufacturers.

3. Joint System — May separation **between bottom of floor and top of wall (at time of installation of joint system) is 1 in.The joint system is designed to accommodate a max 25 percent compression and 12 percent extension from its installed width.** The joint system consists of a forming material and fill material in

the flutes of the steel floor units, a forming material in the gap between the top of wall and bottom of floor and a "slip track" detail consisting of restraining angles, as follows:

A. **Forming Material* —** Min 4 pcf density mineral wool batt insulation compressed 25 to 50 percent in thickness and slid into joint opening to completely fill gap between top of wall and the bottom of the steel floor units or underside of flat concrete slab. Adjoining lengths of mineral wool batt forming material tightly-butted with butted joints spaced min 24 in. OC. Additional mineral wool batt insulation firmly packed into flutes of steel floor units above the compressed batt forming material after installation of the restraining angles (Item 3B). Forming material in flutes of steel floor units to be recessed min 1 in. from edge of restraining angle on each side of wall to accommodate fill material (Item 3C).
THERMAFIBER INC — *Type SAF*

B. **Restraining Angles —** Min 2-1/2 by 2-1/2 in. angle formed from min 25 ga galv steel with one leg lined with a 2-1/2 in. wide piece of nom 1/2 in. or 5/8 in. thick Gypsum Wallboard*. Gypsum Wallboard liner secured to steel angle with min 1 in. long self-drilling, self-tapping Type S bugle head steel screws spaced max 8 in. OC along longitudinal centerline of steel angle. Screws installed through face of wallboard such that excess screw length protrudes through leg of steel angle. Restraining angles installed along top of wall on each side of wall assembly with gypsum liner against wall surface and with horizontal leg of steel angle against valleys of steel floor units. Restraining angles secured to valleys of steel floor units with min 1/2 in. long powder-driven steel fasteners, or equivalent, spaced max 12 in. OC.
See **Gypsum Board** (CKNX) category for names of manufacturers.

C. **Fill, Void or Cavity Material* —** Dry mix material mixed with water at a rate of 2.1 parts dry mix to 1 part water, by weight, in accordance with the accompanying installation instructions. A min 1 in. depth of fill material shall be applied within the recess of each steel floor unit flute above the horizontal leg of the restraining angle on each side of the wall.
UNITED STATES GYPSUM CO — Type FC

C1. **Fill, Void or Cavity Material* —** Not Shown — Used as an alternate to Item 3C. Ready-mixed component mixed with accelerator component at a rate of 66 parts of ready-mixed component to 1 part of accelerator component by weight in accordance with the accompanying installation instructions. A min 1 in. depth of fill material shall be applied within the recess of each steel floor unit above the horizontal leg of the restraining angle on each side of the wall.
UNITED STATES GYPSUM CO — Type RFC

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

Last Updated on 2000-07-20

Accept

Learn More

Accept

Learn More

LIFE SAFETY SYMBOL LEGEND

APPLIES TO LS SERIES OF DRAWINGS ONLY

DESIGNATOR MATRIX	WALL	BARRIER	PARTITION	RATED EXT WALL
4 HR FIRE				
3 HR FIRE				
2 HR FIRE				
1 HR FIRE			★★★★★	
½ HR FIRE				
SMOKE				
INCIDENTAL				

NOTE:
WALL DESIGNATIONS ON THE LS SERIES OF DRAWINGS ARE FOR GRAPHICAL PURPOSES ONLY. REFER TO THE PLANS AND DETAILS, INCLUDING THE LIFE SAFETY SYMBOLS LEGEND AND A0, A1 AND, A2 SERIES OF DRAWINGS, FOR ACTUAL WALL/PARTITION TYPES AND CONSTRUCTION REQUIREMENTS.

3 BUILDING NUMBER

SYMBOLS

1205 ROOM NUMBER

DOOR OPENINGS:

3'-0" DOOR = 33" CLEAR OPENING @ .2/ OCCUPANT = 165 OCCUPANT LOAD
4'-0" DOOR = 45" CLEAR OPENING @ .2/ OCCUPANT = 225 OCCUPANT LOAD
6'-0" PR DOOR = 66" CLEAR OPENING @ .2/ OCCUPANT = 330 OCCUPANT LOAD
8'-0" PR DOOR = 90" CLEAR OPENING @ .2/ OCCUPANT = 450 OCCUPANT LOAD

DOOR EGRESS

123 NUMBER OF OCCUPANTS
COLOR INDICATES PATH OF EGRESS TO EXIT DISCHARGE

EXIT 100"
O.L. REQ'D FACTOR O.L. AVAIL
OCCUPANT LOAD REQUIRED (ACTUAL OCCUPANT COUNT)
EXIT TYPE AND ACTUAL WIDTH IN INCHES
COLOR CORRESPONDS TO DOOR EXIT
OCCUPANT LOAD AVAIABLE (WIDTH*FACTOR)
WIDTH FACTOR (IBC CH10)
STAIRS, .3 OR .2 (NON V/S SPRINKLER)
DOOR/ CORD, .2 OR .15 (NON V/S SPRINKLER)

XXX'-X" MAXIMUM TRAVEL DISTANCE

XXX'-X" CPOT COMMON PATH OF TRAVEL

FIRE EXTINGUISHER CABINET

FIRE EXTINGUISHER BRACKET

FIRE RATED ASSEMBLIES

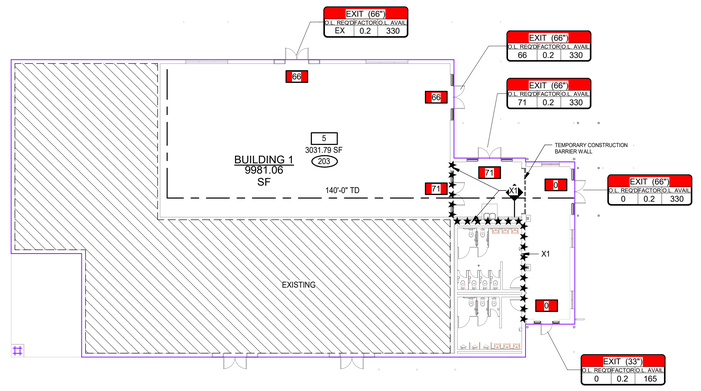
REPRESENTED BY Xn

THE ASSEMBLIES REFERENCED ARE BASIS OF DESIGN; EQUIVALENT COMPATIBLE TESTED ASSEMBLIES WILL BE ACCEPTABLE IF APPROVED BY THE LAHJ

MARK	FIRE RATING	APPLIES TO	REFERENCE	REMARKS
X1	1HR	8" CMU WALLS	SCBC 721.1(2) 3-1.1, MIN EQUIVELENT THICKNESS OF 2.1 INCHES	--
X2	2HR	8" CMU WALLS	UL HW-D-0009	TOP OF RATED MASONRY PARTITIONS

OCCUPANCY SCHEDULE

SPACE NUMBER	SPACE NAME	USE CLASSIFICATION	USED TO DETERMINE OCCUPANCY FACTOR ONLY	FLOOR AREA PER OCCUPANT	AREA SF	AREA GROSS	AREA NET	OCCUPANCY LOAD TABULAR	OCCUPANCY LOAD ACTUAL	OCCUPANCY LOAD DESIGN
5	CAFETERIA	A2	ASSEMBLY, UNCONCENTRATED	15 SF	3032		•	203	203	203
										203



N

LIFE SAFETY PLAN
1/16" = 1'-0"

MOSELEYARCHITECTS
997 MORRISON DRIVE SUITE 601, CHARLESTON, SC 29403
PHONE (843) 577-5063
MOSELEYARCHITECTS.COM

STATE OF SOUTH CAROLINA
MOSELEY ARCHITECTS P.C.
CHARLESTON, SC 02025
REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA
COREY E. MCCALLA
Charleston, SC 10800
REGISTERED ARCHITECT
03/28/2023

MAYO HIGH SCHOOL TOILET RENOVATION

DCSD SOLICITATION NO.: FAC2223-04
DARLINGTON COUNTY SCHOOL DISTRICT
405 CHESTNUT ST, DARLINGTON, SC 29532

PROJECT NO: 624003
DATE: MARCH 28, 2023

REVISIONS	
DATE	DESCRIPTION

LIFE SAFETY INFORMATION

LS1.1

3/27/2023 11:21:17 AM

ARCHITECTURAL ABBREVIATIONS

A-PT	ACCENT PAINT	GT	GLASS TILE	SV	SHEET VINYL
ABS	AIR BARRIER SYSTEM	GWT	GLAZED WALL TILE	SWM	SECURITY WOVEN MESH / WOVEN ROD
ABV	ABOVE	GYP	GYPSUM	SYM	SYMMETRICAL
ACP	ACOUSTICAL CEILING PANEL	H	HIGH	T	TREAD
ACT	ACOUSTICAL CEILING TILE	HB	HOSE BIBB	T&G	TONGUE & GROOVE
ACW	ALUMINUM CLAD WINDOW	HBD	HARDBOARD	T.O.	TOP OF
ADJ	ADJUSTABLE	HDC	HOLD DOWN CLIPS	TB	TACKBOARD
AFF	ABOVE FINISHED FLOOR	HDNR	HARDENER	TCF	TEXTILE COMPOSITE FLOORING
AHJ	AUTHORITY HAVING JURISDICTION	HDWD	HARDWOOD	TEL	TELEPHONE
AHU	AIR HANDLING UNIT	HDWR	HARDWARE	TERR-C	TERRAZZO CEMENTITIOUS
ALT	ALTERNATE	HM	HOLLOW METAL	TERR-E	TERRAZZO EPOXY
ALUM	ALUMINUM	HORIZ	HORIZONTAL	TERR-R	TERRAZZO RUBBERIZED
AP	ACCESS PANEL	HPC	HIGH PERFORMANCE COATINGS	THHD	THRESHOLD
APC	ARCHITECTURAL PRECAST CONCRETE	HPFP	HIGH PERFORMANCE FLOOR PAINT	THK	THICKNESS, THICK
ARC	ABUSE RESISTANT COATING	HT	HEIGHT	TOS	TOP OF STEEL
AS	ALUMINUM STOREFRONT	HVAC	HEATING, VENTILATING, AIR CONDITIONING	TOW	TOP OF WALL
AUTO	AUTOMATIC	ID	INSIDE DIAMETER	TS	TACK STRIP
AVG	AVERAGE	IN	INCH, INCHES	TV	TELEVISION
AW	ALUMINUM WINDOW	INCL	INCLUDE, INCLUDING	TYP	TYPICAL
AWC	ACOUSTICAL WALL COVERING	INFO	INFORMATION	UC	UNDERCUT
AWP	ACOUSTICAL WALL PANEL	INST	INSTALLATION	UG	UNDERGROUND
BD	BOARD	INSUL	INSULATION	UH	UNIT HEATER
BF	BARRIER FREE (ADA or A117.1)	INT	INTERIOR	UNO	UNLESS NOTED (INDICATED) OTHERWISE
BLDG	BUILDING	IRWC	IMPACT RESISTANT WALL COVERING	VAT	VINYL ASBESTOS TILE
BLKG	BLOCKING	IWB	INTERACTIVE WHITE BOARD	VB	VAPOR BARRIER
BOT	BOTTOM	JAN	JANITOR	VCT	VINYL COMPOSITION TILE
BRG	BEARING	JCT	JUNCTION	VDB	VISUAL DISPLAY BOARD
BTWN	BETWEEN	JT	JOINT	VERT	VERTICAL
BUR	BUILT-UP ROOF	L	LENGTH/LONG	VEST	VESTIBULE
C	CARPET	LAB	LABORATORY	VFCT	VINYL FREE COMPOSITION TILE
C-TILE	CARPET TILE	LAHJ	LOCAL AUTHORITY HAVING JURISDICTION	VFWC	VINYL FREE WALLCOVERING
CAB	CABINET	LAM	LAMINATE	VR	VAPOR RETARDER
CB	CHALKBOARD	LAV	LAVATORY	VT	VINYL TILE
CCTV	CLOSED CIRCUIT TELEVISION	LH	LEFT HAND	VTR	VENT THROUGH ROOF
CEM	CEMENT	LIN	LINOLEUM	VW	VINYL WINDOW
CFSF-NS	COLD FORMED STEEL FRAMING, NON-STRUCTURAL	LKR	LOCKER	VWC	VINYL WALL COVERING
CFSF-S	COLD FORMED STEEL FRAMING, STRUCTURAL	LMC	LINEAR METAL CEILING	W	WIDE, WIDTH
CG	CORNER GUARD	LPS	LAMINATE PANEL SYSTEM	W/	WITH
CI	CONTINUOUS INSULATION	LT	LIGHT	W/O	WITHOUT
CIPC	CAST IN PLACE CONCRETE	LVR	LOUVER	WC	WATER CLOSET
CJ	CONTROL JOINT	M	METER	WCP	WOOD CEILING PANEL
CL	CLOSET	MACH	MACHINE	WD	WOOD
CLG	CEILING	MAS	MASONRY	WDW	WINDOW
CLR	CLEAR	MATL	MATERIAL	WP	WATERPROOFING
CM	CENTIMETER	MAX	MAXIMUM	WPT	WORKING POINT
CMBD	CEMENT BOARD	MB	MARKERBOARD	WSCT	WAINSCOT
CMU	CONCRETE MASONRY UNIT	MCM	METAL COMPOSITE MATERIAL	WSF	WOOD SPORTS FLOORING
CMU-A	CONCRETE MASONRY UNIT - ACOUSTICAL	MCP	METAL CEILING PANEL	WT	WEIGHT
CMU-GF	CONCRETE MASONRY UNIT - GROUND FACE	MDO	MEDIUM DENSITY OVERLAY	WWF	WELDED WIRE FABRIC
CMU-GLZ	CONCRETE MASONRY UNIT - GLAZED	MECH	MECHANICAL	XPS	EXTRUDED POLYSTYRENE
CMU-SPLF	CONCRETE MASONRY UNIT - SPLIT FACE	MED	MEDIUM		
CO	CLEANOUT	MEMB	MEMBRANE		
COL	COLUMN	MFR	MANUFACTURER		
CONC	CONCRETE	MIF	MULTICOLOR INTERIOR FINISHING		
CONC-LH	CONCRETE WITH LIQUID HARDENER/SEALER	MIN	MINIMUM		
CONC-PMT	CONCRETE WITH PIGMENT	MIR	MIRROR		
CONC-POL	CONCRETE - POLISHED	MISC	MISCELLANEOUS		
CONC-SLR	CONCRETE WITH CURE & SEAL	MLDG	MOLDING		
CONC-ST	CONCRETE WITH STAIN	MO	MASONRY OPENING		
CONST	CONSTRUCTION	MPS	MANUAL PROJECTION SCREEN		
CONT	CONTINUOUS	MR	MAP RAIL		
CONTR	CONTRACTOR	MT	MOUNT		
CORR	CORRIDOR	MTD	MOUNTED		
CSMU	CAST STONE MASONRY UNIT	MTL	METAL		
CT	CERAMIC TILE	NA	NOT APPLICABLE		
CTSK	COUNTERSINK, COUNTERSUNK	NIC	NOT IN CONTRACT		
CU FT	CUBIC FEET / FOOT	NO.	NUMBER		
CUST	CUSTODIAN / CUSTODIAL	NOM	NOMINAL		
CW	ALUMINUM CURTAIN WALL	NRC	NOISE REDUCTION COEFFICIENT		
CWFD	CEMENTITIOUS WOOD FIBER DECK	NTS	NOT TO SCALE		
D	DEPTH/DEEP	OC	ON CENTER		
DBL	DOUBLE	OD	OUTSIDE DIAMETER		
DEMO	DEMOLITION	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED		
DETE	DETENTION	OPNG	OPENING		
DF	DRINKING FOUNTAIN	OPP H/D	OPPOSITE HAND		
DG	DOOR GRILLE	OVHD	OVERHEAD		
DHM	DETENTION HOLLOW METAL	P-TILE	PORCELAIN TILE		
DIA	DIAMETER	PC	PRECAST		
DIAG	DIAGONAL	PERF	PERFORATED, PERFORATION(S)		
DIM	DIMENSION	PERIM	PERIMETER		
DIV	DIVISION	PIP	POURED IN PLACE		
DL	DOOR LOUVER	PLAM	PLASTIC LAMINATE		
DN	DOWN	PLAS	PLASTER		
DP	DAMPPROOFING	PLWD	PLASTIC LAMINATE WOOD		
DR	DISPLAY RAIL	PLYWD	PLYWOOD		
DS	DOWNSPOUT	PNL	PANEL, PANELING		
DTL	DETAIL	POLY	POLYETHYLENE		
DWG	DRAWING	PPS	POWER PROJECTION SCREEN		
DWR	DRAWER	PPT	PRESSURE- OR PRESERVATIVE-TREATED		
EA	EACH	PR	PAIR		
EF	EXHAUST FAN	PREFAB	PREFABRICATED		
EFS	EXTERIOR FINISH SYSTEM	PREFIN	PREFINISHED		
EIFS	EXTERIOR INSULATION & FINISH SYSTEM	PREP	PREPARE / PREPARATION		
EJ	EXPANSION JOINT	PS	PROJECTION SCREEN		
EL	ELEVATION	PSB	PENCIL SHARPENER BLOCK		
ELAS	ELASTOMERIC	PSF	POUNDS PER SQUARE FOOT		
ELEC	ELECTRICAL	PSI	POUNDS PER SQUARE INCH		
ELEV	ELEVATOR	PT	PAINT		
EMER	EMERGENCY	PTN	PARTITION		
EPS	EXPANDED POLYSTYRENE	PTS	PNEUMATIC TUBE SYSTEM		
EPX	EPOXY	PVC	POLYVINYL CHLORIDE		
EQ	EQUAL	PVMT	PAVEMENT		
EQUIP	EQUIPMENT	PVWC	PERFORATED VINYL WALL COVERING		
ETR	EXISTING TO REMAIN	QSM	QUARTZ SURFACING MATERIAL		
EVCT	ENHANCED VINYL COMPOSITION TILE	QT	QUARRY TILE		
EWC	ELECTRIC WATER COOLER	QTY	QUANTITY		
EX	EXISTING	R	RISER, RADIUS		
EXH	EXHAUST	R/W	RIGHT OF WAY		
EXP	EXPANSION	RAD	RADIUS		
EXPC	EXPOSED CONSTRUCTION	RAF	RESILIENT ATHLETIC FLOORING		
EXT	EXTERIOR	RB	RESILIENT BASE		
FAAF	FLUID APPLIED ATHLETIC FLOORING	RCP	REFLECTED CEILING PLAN		
FD	FLOOR DRAIN	RD	ROOF DRAIN		
FDN	FOUNDATION	REFG	REFRIGERATOR		
FE	FIRE EXTINGUISHER	REINF	REINFORCING, REINFORCE(D)		
FEB	FIRE EXTINGUISHER BRACKET	REM	RECESSED ENTRY MAT		
FEC	FIRE EXTINGUISHER CABINET	REQ'D	REQUIRED		
FF	FINISHED FLOOR	RES	RESINOUS FLOORING		
FGL	FIBERGLASS	RFT	RUBBER FLOOR TILE		
FH	FIRE HYDRANT	RH	RIGHT HAND		
FHC	FIRE HOSE CABINET	RL	RAIN LEADER		
FHVC	FIRE HOSE VALVE CABINET	RM	ROOM		
FIN	FINISHED	RO	ROUGH OPENING		
FLR	FLOOR	RSF	RUBBER SHEET FLOORING		
FLRG	FLOORING	RSR	RESILIENT STAIR RISER		
FO	FACE OF	RST	RESILIENT STAIR TREAD		
FRM	FRAME	RT	RIGHT		
FRP	FIBERGLASS REINFORCED PLASTIC	RTU	ROOFTOP UNIT		
FRT	FIRE RETARDANT TREATED	SAB	SOUND ATTENUATION BLANKET		
FT	FOOT, FEET	SC-PLK	SECURITY CEILING PLANK		
FTG	FOOTING	SC-PNL	SECURITY CEILING PANEL		
FURN	FURNITURE	SCH	SCHEDULE		
FVC	FIRE VALVE CABINET	SF	SQUARE FEET / FOOT		
FWC	FABRIC WALL COVERING	SFRM	SPRAYED FIRE RESISTANT MATERIAL		
GA	GAUGE	SHM	SECURITY HOLLOW METAL		
GAL	GALLON	SHTG	SHEATHING		
GALV	GALVANIZED	SIM	SIMILAR		
GB	GYPSUM BOARD	SPEC	SPECIFICATION		
GB-AR	GYPSUM BOARD - ABUSE RESISTANT	SPF	SPRAYED POLYURETHANE FOAM		
GB-IR	GYPSUM BOARD - IMPACT RESISTANT	SPR	SPRINKLER		
GB-S	GYPSUM BOARD - SECURITY	SQ	SQUARE		
GFRC	GLASS FIBER REINFORCED CONCRETE	SQ FT	SQUARE FEET / FOOT		
GFRG	GLASS FIBER REINFORCED GYPSUM	SRD	SECONDARY ROOF DRAIN		
GL	GLASS, GLAZING	SS	STAINLESS STEEL		
GL-BLK	GLASS BLOCK	SSM	SOLID SURFACE MATERIAL		
GPM	GALLONS PER MINUTE	ST	STREET		
GRT	GROUT	STC	SOUND TRANSMISSION COEFFICIENT		
GSFT	GLAZED STRUCTURAL FACING TILE	STD	STANDARD		
		STL	STEEL		
		STRUCT	STRUCTURAL		
		SUSP	SUSPENDED		

KEYNOTES

- n — KEYNOTE (1 TO 2 DIGITS)
- nn/n — KEYNOTE (3 DIGITS ONLY)
- n n/n" — SIZE: THICKNESS: OR OTHER DESCRIPTIVE INFORMATION

1. KEYNOTES ARE GENERALLY ASSOCIATED WITH A SERIES OF DRAWINGS (e.g., A3.2.n, A5.1.n); THEREFORE KEYNOTE NUMBERS FROM SERIES TO SERIES WILL VARY (i.e., KEYNOTE NO. 1 IN THE A3.2.n SERIES WILL BE DIFFERENT FROM KEYNOTE NO. 1 IN THE A5.1.n SERIES).

ARCHITECTURAL GRAPHIC SYMBOL LEGEND

- REFER TO A3.0.1 FOR FINISH SCHEDULE — SUPERVISOR'S OFFICE / A101 / 100 SF — SPACE NAME, SPACE NUMBER, SQUARE FOOTAGE, IF INDICATED; BUILDING "PART" NUMBER IN MULTI-PART BUILDING
- REFER TO A3.1.1 FOR SCHEDULE — A101C / 60 — DOOR; FIRE RATING IN MINUTES (IF INDICATED); DOOR SUFFIX LETTER WHEN MORE THAN ONE DOOR PER SPACE; SPACE NUMBER
- REFER TO A3.1.n FOR TYPES — STL / 11 — STEEL FRAME NUMBER
- REFER TO A3.1.n FOR TYPES — AW / 11 — ALUMINUM WINDOW NUMBER
- REFER TO A3.1.n FOR TYPES — AS / 11 — ALUMINUM STOREFRONT NUMBER
- REFER TO A3.1.n FOR TYPES — VW / 11 — VINYL WINDOW NUMBER
- REFER TO A3.1.n FOR TYPES — CW / 11 — CURTAIN WALL NUMBER
- REFER TO A3.1.n FOR TYPES — LVR / 11 — LOUVER NUMBER
- REFER TO A3.1.n FOR TYPES — GBLK / 11 — GLASS BLOCK NUMBER
- REFER TO A0.2 FOR LEGEND — JOINT
- REFER TO A0.2 FOR LEGEND — Xn+n — WALL PARTITION TYPE; FIRE RESISTANCE RATING IN HOURS
- Xn-XX — WALL PARTITION TYPE; SB=SMOKE BARRIER SP=SMOKE PARTITION IU=INCIDENTAL USE
- REFER TO A8.1.1 FOR ELEVATIONS — A8.3 / A8.1 — INTERIOR ARCHITECTURAL WOODWORK (CASEWORK) ELEVATION
- REFER TO A10.1 FOR LEGEND — RFAn — ROOF ASSEMBLY
- REFER TO LS1.1 FOR LEGEND — Xn — FIRE-RATED ASSEMBLY
- REFER TO A5.1.1 FOR LEGEND — WAn — WALL ASSEMBLY
- REFER TO A7.1.1 FOR LEGEND — TAn — TOILET ASSEMBLY
- REFER TO A3.1.n FOR LEGEND — n — GLAZING/GLASS TYPES
- 1T — EQUIPMENT TYPE
- N — PLAN NORTH (MAY DIFFER FROM POLAR NORTH)
- MATCH LINE
- WPT — WORKING POINT
- DATUM POINT
- CENTERLINE
- PLATE
- FEC — SURFACE MOUNT FEC: TOP OF CABINET AT 4'-0" AFF
- FEC — SEMI-RECESSED FEC: T.O. MASONRY OPENING AT 4'-0" AFF
- FEC — FULLY-RECESSED FEC: T.O. MASONRY OPENING AT 4'-0" AFF
- FEB — BRACKET: MOUNT BRACKET AT 4'-0" AFF
- 1 / A — STRUCTURAL GRID LINE WITH DESIGNATIONS

- 1 / A2.1 — WALL OR MISC SECTION WHERE CUT; WALL SECTION NUMBER; DRAWING NUMBER WHERE WALL SECTION IS INDICATED
- 1 / A2.1 — DETAIL OR ENLARGED PLAN WHERE CUT; DETAIL OR ENLARGED PLAN NUMBER; DRAWING NUMBER WHERE DETAIL OR ENLARGED PLAN IS INDICATED
- 1 / A2.1 — 1 / A2.1 — BUILDING SECTION WHERE CUT; SECTION NUMBER; DRAWING NUMBER WHERE SECTION IS INDICATED
- 1 / 2 A7.1 4 / 3 — 1 / A7.1 — INTERIOR OR EXTERIOR ELEVATION WHERE CUT; ELEVATION NUMBER; DRAWING NUMBER WHERE ELEVATION IS INDICATED; MULTIPLE ELEVATIONS

PLAN TITLE
1/8"=1'-0"

A ELEVATION OR BUILDING SECTION TITLE
1/4"=1'-0"

A2.0.1, A2.0.2, A2.0.3 / A4.1

- ELEVATION OR BUILDING SECTION LETTER
- DRAWING NUMBER WHERE ELEVATION OR BUILDING SECTION IS INDICATED
- DRAWING NUMBER WHERE ELEVATION OR BUILDING SECTION IS CUT
- ADDITIONAL DRAWING NUMBERS WHERE ELEVATION OR BUILDING SECTION IS CUT

1 ENLARGED PLAN OR WALL SECTION TITLE
1/4"=1'-0"

A2.1, A2.3, A2.6 / A7.1

- ENLARGED PLAN OR WALL SECTION NUMBER
- DRAWING NUMBER WHERE ENLARGED PLAN OR WALL SECTION IS INDICATED
- DRAWING NUMBER WHERE ENLARGED PLAN OR WALL SECTION IS CUT
- ADDITIONAL DRAWING NUMBERS WHERE ENLARGED PLAN OR WALL SECTION IS CUT

3 DETAIL TITLE
1/2"=1'-0"

A5.1, A5.3, A5.7 / A5.2

- DETAIL NUMBER OR LETTER
- DRAWING NUMBER WHERE DETAIL IS INDICATED
- DRAWING NUMBER WHERE DETAIL IS CUT
- ADDITIONAL DRAWING NUMBERS WHERE DETAIL IS CUT

1 CASEWORK TITLE
1/4"=1'-0"

- CASEWORK ELEVATION NUMBER

ARCHITECTURAL GENERAL NOTES

A. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.

B. ELEMENTS THAT ARE IDENTIFIED BY OTHER DISCIPLINES (e.g., CIVIL, STRUCTURAL, PLUMBING, FIRE PROTECTION, MECHANICAL, ELECTRICAL) ELSEWHERE WITHIN THE ARCHITECTURAL SERIES OF DRAWINGS AND/OR SPECIFICATIONS, OR IDENTIFIED OR COVERED BY DEFAULTS (e.g., SIZES, THICKNESS, SPACING, MATERIALS) IN THE SPECIFICATIONS MAY NOT BE ANNOTATED (NOTE OR KEYNOTED) ON THESE DRAWINGS.

C. ELEMENTS IDENTIFIED IN "LEGENDS" AND/OR "GENERAL NOTES" MAY NOT BE NOTED IN DETAILS, OR SECTIONS, AS THESE ELEMENTS ARE IDENTIFIED IN THE LEGENDS (e.g. FACE BRICK, CMU, WINDOWS)

D. REFER TO "ASSEMBLIES" FOR MATERIALS AND COMPONENTS THAT MAKE UP THAT PARTICULAR ASSEMBLY (e.g., EXTERIOR WALL ASSEMBLIES, ROOF ASSEMBLIES, AND FIRE-RATED ASSEMBLIES). ONCE A PARTICULAR ASSEMBLY HAS BEEN IDENTIFIED ON ONE DRAWING, THAT SAME ASSEMBLY GRAPHIC SHALL APPLY TO ALL OTHER SIMILAR LOCATIONS UNLESS SPECIFICALLY INDICATED OTHERWISE. PROVIDE THAT SAME ASSEMBLY AT THE SIMILAR LOCATION WHETHER THE ASSEMBLY GRAPHIC SYMBOL IS SHOWN OR NOT.

E. VERIFY ALL DIMENSIONS, INCLUDING DIMENSIONS ON STRUCTURAL DRAWINGS AND OTHER ARCHITECTURAL DRAWINGS. IMMEDIATELY NOTIFY ARCHITECT OF ANY DISCREPANCIES.

F. PROVIDE CONCRETE HOUSEKEEPING PADS FOR ALL EQUIPMENT INDICATED TO BE MOUNTED OR OTHERWISE REQUIRED TO BE MOUNTED TO THE FLOOR. WHERE PADS ARE NOT SHOWN, PROVIDE 6" THICK CONCRETE PADS W/ 3/4" CHAMFERED EDGES (ALL SIDES). REINFORCE WITH MESH EQUIVALENT TO FLOOR SLAB REINFORCING REQUIREMENTS.

ARCHITECTURAL MATERIALS LEGEND

- POROUS FILL
- CONCRETE
- FACE BRICK
- SPRAYED POLYURETHANE FOAM
- CONCRETE MASONRY UNIT
- PLYWOOD
- GYPSUM BOARD / SHEATHING

MOSELEY ARCHITECTS
997 MORRISON DRIVE SUITE 601, CHARLESTON, SC 29403
PHONE (843) 577-5063
MOSELEYARCHITECTS.COM

STATE OF SOUTH CAROLINA — REGISTERED ARCHITECTS — MOSELEY ARCHITECTS P.C. — CHARLESTON, SC 02025

STATE OF SOUTH CAROLINA — REGISTERED ARCHITECT — COREY E. MCCALLA — Charleston, SC 10800 — 03/28/2023

MAYO HIGH SCHOOL TOILET RENOVATION

DCSD SOLICITATION NO.: FAC2223-04
DARLINGTON COUNTY SCHOOL DISTRICT
405 CHESTNUT ST, DARLINGTON, SC 29532

PROJECT NO: 624003
DATE: MARCH 28, 2023

REVISIONS

DATE	DESCRIPTION

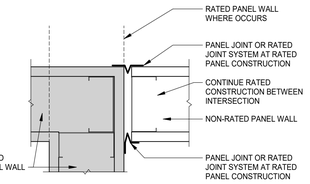
GENERAL ARCHITECTURAL INFORMATION

A0.1

3/27/2023 11:21:04 AM

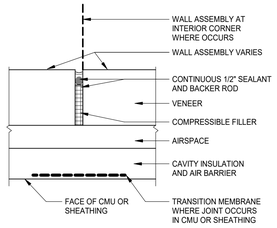
WALL JOINTS

RATED/ NON-RATED CFSF/ PANELS

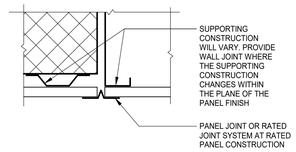


NOTE:
RATED WALL SHADED FOR CLARITY THIS DETAIL

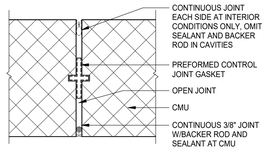
VENEER/ CAVITY



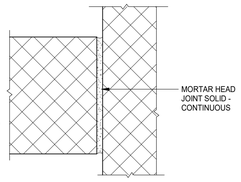
CMU/ CFSF



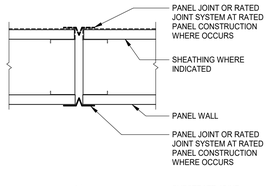
CMU



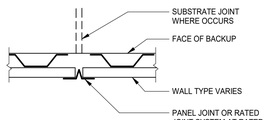
EQUAL BEARING CMU INTERSECTIONS



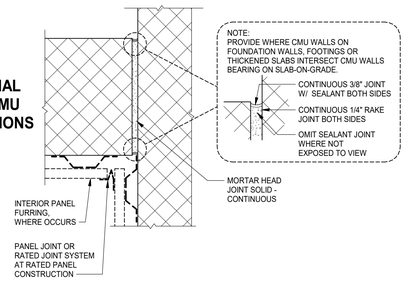
CFSF/ PANELS



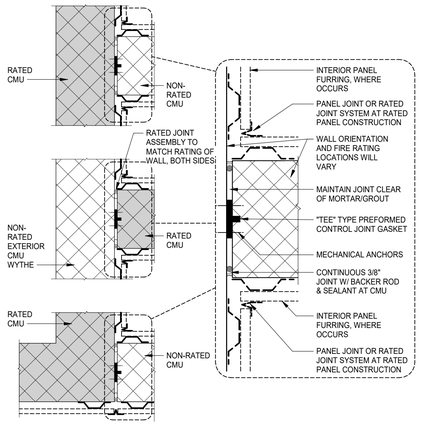
PANEL



DIFFERENTIAL BEARING CMU INTERSECTIONS



RATED/ NON-RATED CMU



NOTE:
RATED WALLS SHADED FOR CLARITY THIS DETAIL

WALL/PARTITION TYPE GENERAL NOTES

A. PLAN DIMENSIONS ARE TO FACE OF WALL OR PARTITION. WHERE APPLIED FINISHES OCCUR-SUCH AS CERAMIC TILE-DIMENSIONS ARE TO FACE OF APPLIED FINISH. FOR WAINSCOTS, FLOOR PLAN DIMENSIONS ARE TO FACE OF WAINSCOT MATERIAL. APPLIED FINISHES ARE NOT ALLOWED TO REDUCE CLEAR DIMENSIONS. "APPLIED FINISHES" IN THIS CASE DO NOT INCLUDE TRIM, BASE, AND ACOUSTIC WALL PANELS.

B. EXTEND WALL/PARTITION ASSEMBLY COMPONENTS FULL HEIGHT OF ASSEMBLY.

C. ALL INTERIOR MASONRY UNIT PARTITIONS: M1 UNLESS INDICATED OTHERWISE.

D. ALL INTERIOR CFSF PANEL PARTITIONS: P1 UNLESS INDICATED OTHERWISE.

E. REFER TO STRUCTURAL DRAWINGS AND RELATED SPECIFICATIONS FOR SOLID MASONRY, GROUTING, AND REINFORCEMENT REQUIREMENTS INCLUDING BUT MAY NOT BE LIMITED TO:

- MASONRY WALLS/PARTITIONS
- LINTELS
- LINTEL BEARING CONDITIONS
- BOND BEAMS
- SHELF BEARING CONDITIONS
- STRUCTURAL REINFORCING REQUIREMENTS
- CHANGES IN WYTHE

F. THE TERMS "WALL" AND "PARTITION" MAY BE USED INTERCHANGEABLY THROUGHOUT THE CONTRACT DOCUMENTS.

G. EXTEND ALL FIRE-, SMOKE-, INCIDENTAL USE-, AND ACOUSTICAL-RATED WALLS/PARTITIONS TO UNDERSIDE OF FLOOR DECK, ROOF DECK, STRUCTURAL ELEMENT ENCASEMENT OR SOLID CAP ABOVE.

- SEAL AND TERMINATE IN ACCORDANCE WITH JOINT SYSTEM TESTED ASSEMBLIES FOR RESPECTIVE TYPE OF WALLS/PARTITIONS.

H. PARTITIONS THAT DO NOT EXTEND TO UNDERSIDE OF DECK OR CAP ABOVE:

- EXTEND 4 INCHES MINIMUM ABOVE HIGHEST ADJACENT FINISH CEILING UNLESS INDICATED OTHERWISE.

I. DO NOT CONNECT TIES, ANCHORS, OR REINFORCING TO SINGLE CANTILEVERED FIRE WALL OR BETWEEN DOUBLE FIRE WALLS.

J. SEAL AROUND ALL PENETRATIONS.

K. COMPLY WITH TERMINATION, WALL JOINT, AND MISCELLANEOUS DETAILS FOR THOSE CONDITIONS WHERE APPLICABLE. COMPLY WITH REFERENCED STANDARDS WHERE DETAILS ARE NOT IDENTIFIED IN THE DRAWINGS.

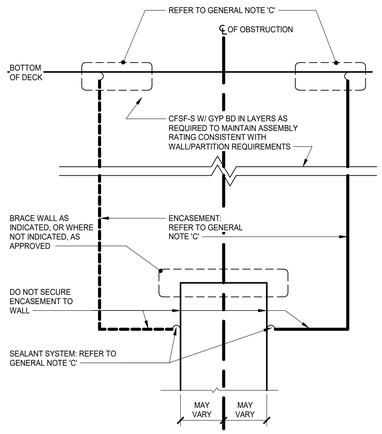
L. WALL/PARTITION TYPES DO NOT ADDRESS WALL FINISHES. REFER TO FINISH SCHEDULE.

M. FINISHED SPACES: PROVIDE CHASES AROUND ALL EXPOSED VERTICAL COMPONENTS, INCLUDING BUT NOT LIMITED TO: DUCTWORK, PIPING, AND CONDUIT, UNLESS COMPONENTS ARE SPECIFICALLY INDICATED TO REMAIN EXPOSED. IF NOT OTHERWISE INDICATED, PROVIDE M1 CHASE CONSTRUCTION.

- HOLD CHASES TIGHT TO COMPONENTS ALLOWING FOR ACCESS, INSULATION, AND TOLERANCES.
- EXTEND CHASES FROM FLOOR TO 4 INCHES MINIMUM ABOVE FINISH CEILING OR IF NO CEILING IS INDICATED, EXTEND CHASES TO UNDERSIDE OF FLOOR DECK, ROOF DECK, OR SOLID CAP ABOVE AND TERMINATE ACCORDINGLY.

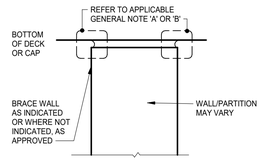
N. PROVIDE BACKER BOARD/UNIT OF SAME THICKNESS INDICATED IN LIEU OF GYPSUM BOARD PANEL AT PORTIONS OF WALLS/PARTITIONS TO RECEIVE TILE.

TERMINATIONS



HEAD-OF-WALL TERMINATION @ OBSTRUCTION

OBSTRUCTION MAY VARY (BEAM, JOIST, GIRDER, CHANNEL, DUCTWORK, PIPING)



HEAD-OF-WALL TERMINATION @ NON-OBSTRUCTION

TERMINATION GENERAL NOTES

A. AT FIRE-, SMOKE-, AND ACOUSTICALLY RATED WALLS: SEAL ALL NON-OBSTRUCTED HEAD-OF-WALL CONDITIONS IN ACCORDANCE WITH JOINT SYSTEM MANUFACTURER'S RECOMMENDATIONS BASED ON CONDITION ENCOUNTERED (E.G., CMU-TO-DECK (PARALLEL OR PERPENDICULAR TO FLUTES); OR CFSF-TO-DECK (PARALLEL OR PERPENDICULAR TO FLUTES) TO MAINTAIN ASSEMBLY RATING CONSISTENT WITH WALL/PARTITION REQUIREMENTS. BRACE WALL AS INDICATED OR REQUIRED.

B. AT ALL OTHER WALLS INDICATED TO EXTEND TO UNDERSIDE OF FLOOR/ROOF DECK/CAP: SEAL ALL NON-OBSTRUCTED HEAD-OF-WALL CONDITIONS IN ACCORDANCE WITH JOINT SYSTEM MANUFACTURER'S RECOMMENDATIONS BASED ON CONDITION ENCOUNTERED (E.G., CMU-TO-DECK (PARALLEL OR PERPENDICULAR TO FLUTES); OR CFSF-TO-DECK (PARALLEL OR PERPENDICULAR TO FLUTES). BRACE WALL AS INDICATED OR REQUIRED.

C. AT ALL WALLS PREVENTED FROM TERMINATING AT THE UNDERSIDE OF FLOOR/ROOF DECK BY OBSTRUCTIONS, COMPLY WITH THE FOLLOWING:

- AT FIRE-, SMOKE-, AND ACOUSTICALLY-RATED WALLS: ENCASE OBSTRUCTION(S) TO MAINTAIN ASSEMBLY RATING CONSISTENT WITH WALL/PARTITION REQUIREMENTS.
- AT SECURITY WALLS: TERMINATE IN ACCORDANCE WITH SECURITY PARTITION REQUIREMENTS.
- AT OTHER WALLS: ENCASE OBSTRUCTION(S) ON ONE SIDE.
- SEAL ENCASEMENT TO WALL AND SEAL ENCASEMENT TO DECK IN ACCORDANCE WITH JOINT SYSTEM MANUFACTURER'S RECOMMENDATIONS AND TO MAINTAIN ASSEMBLY RATING CONSISTENT WITH WALL/PARTITION REQUIREMENTS.

PANEL WALL/PARTITION TYPES

REPRESENTED BY Xnn

MARK	FIRE RATED ASSEMBLY (REFER TO LS 1.1 FOR LEGEND)	REMARKS	INFORMATION
P1	--	--	4 1/4" — 5/8" GYPSUM BOARD — 3 5/8" CFSF-NS

MASONRY UNIT WALL/PARTITION TYPES

REPRESENTED BY Xnn

MARK	FIRE RATED ASSEMBLY (REFER TO LS 1.1 FOR LEGEND)	REMARKS	INFORMATION
M1	--	--	5 5/8" — 6" CMU
M2	--	--	11 5/8" — 12" CMU
M3	--	--	7 5/8" — 8" CMU — FACE BRICK

WALL JOINT GENERAL NOTES

A. LOCATE CONTROL JOINTS IN INTERIOR AND EXTERIOR WALLS AS INDICATED ON DRAWINGS.

B. JOINTS ARE INDICATED THUS ◄ ON PLANS AND ELEVATIONS.

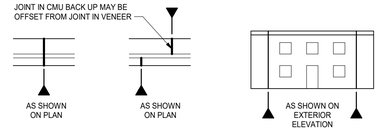
C. WALLS AND JOINT TYPES/DETAILS ARE DIAGRAMMATIC. ADJUST JOINT TYPES/DETAILS IN ACCORDANCE WITH ACTUAL FIELD CONDITIONS.

D. PROVIDE TESTED JOINT ASSEMBLIES AT FIRE-, SMOKE-, AND ACOUSTICAL-RATED WALLS.

E. WHEN USED HEREIN "RATED" MEANS: FIRE, SMOKE, AND/OR ACOUSTICAL.

F. REFER TO SPECIFICATIONS FOR ADDITIONAL WALL JOINT REQUIREMENTS.

EXTERIOR WALL JOINT GRAPHICS



MOSELEYARCHITECTS
997 MORRISON DRIVE SUITE 601, CHARLESTON, SC 29403
PHONE (843) 577-5063
MOSELEYARCHITECTS.COM

STATE OF SOUTH CAROLINA — MOSELEY ARCHITECTS P.C. — CHARLESTON, SC 02025 — REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA — COREY E. MCCALLA — Charleston, SC 10800 — REGISTERED ARCHITECT — 03/28/2023

MAYO HIGH SCHOOL TOILET RENOVATION

DCSD SOLICITATION NO.: FAC2223-04
DARLINGTON COUNTY SCHOOL DISTRICT
405 CHESTNUT ST, DARLINGTON, SC 29532

PROJECT NO: 624003
DATE: MARCH 28, 2023

REVISIONS	
DATE	DESCRIPTION

WALL/PARTITION TYPES, WALL JOINTS AND TERMINATIONS

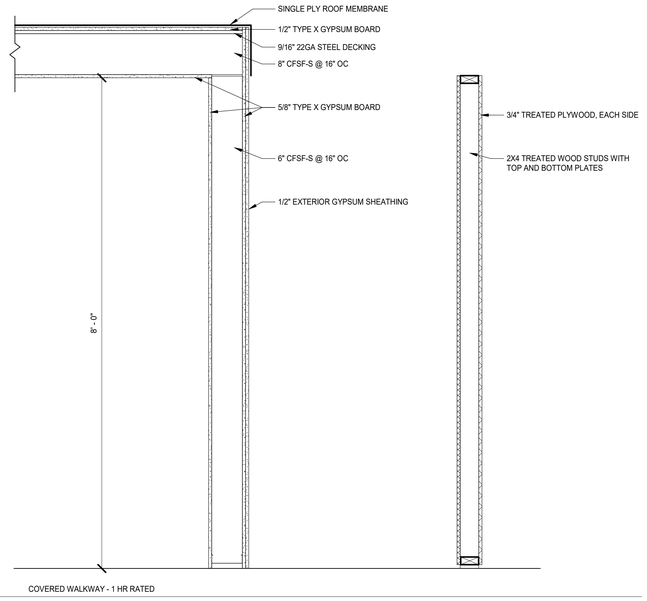
A0.2

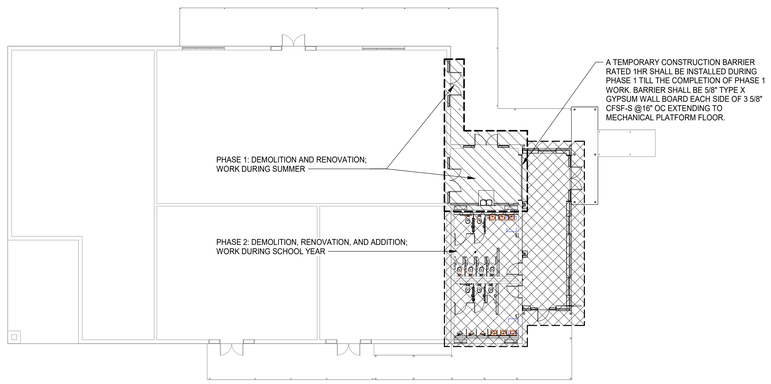
3/27/2023 11:21:05 AM

TABLE 3306.1
PROTECTION OF PEDESTRIANS

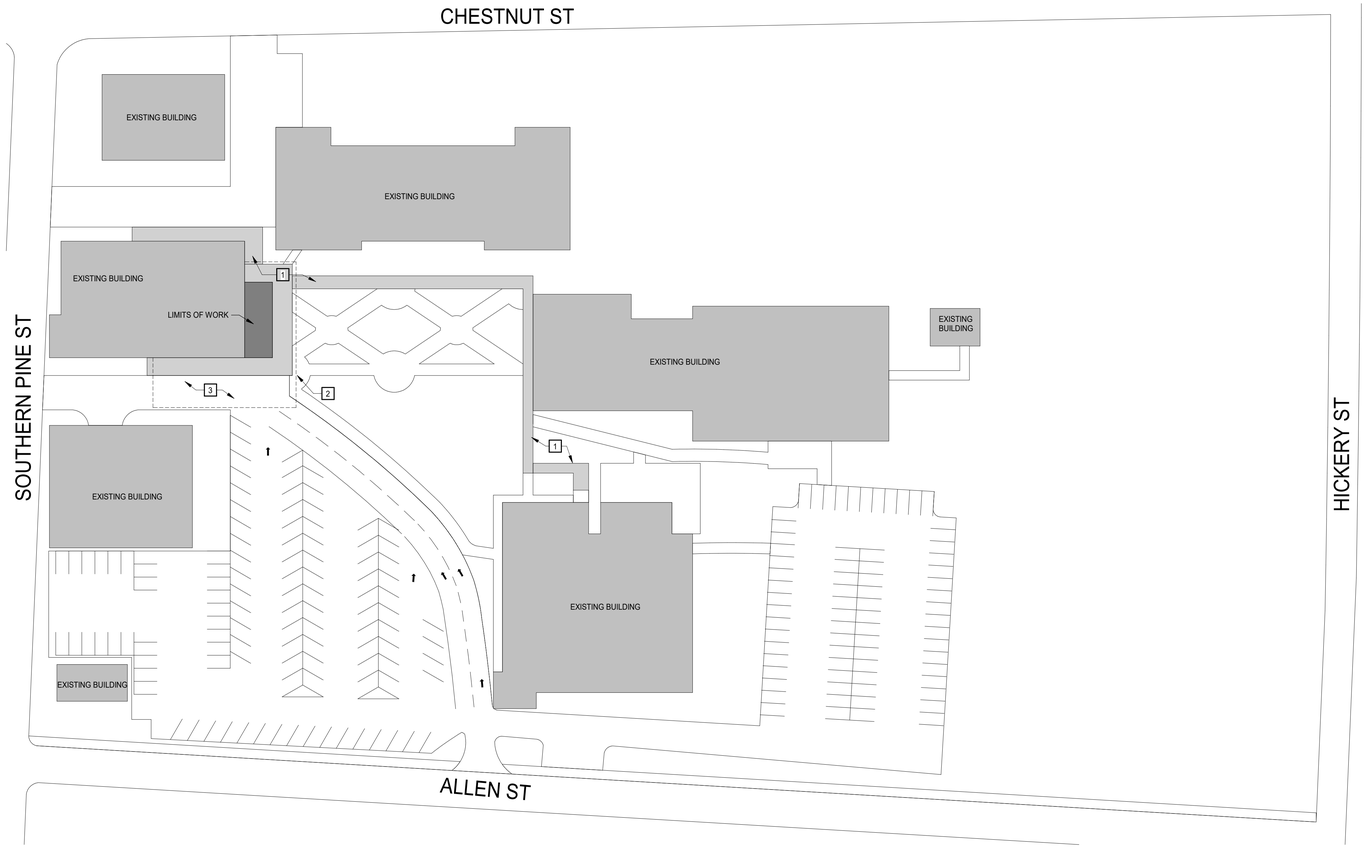
HEIGHT OF CONSTRUCTION	DISTANCE FROM CONSTRUCTION TO LOT LINE	TYPE OF PROTECTION REQUIRED
8 feet or less	Less than 5 feet	Construction railings
	5 feet or more	None
More than 8 feet	Less than 5 feet	Barrier and covered walkway
	5 feet or more, but not more than one-fourth the height of construction	Barrier and covered walkway
	5 feet or more, but between one-fourth and one-half the height of construction	Barrier
	5 feet or more, but exceeding one-half the height of construction	None

CONSTRUCT ALL BARRIERS IN ACCORDANCE WITH IBC2018 CH 33, IFC 208 CH 33 AND NFPA 241





2 A3.1.1 A1.0.1 **MAYO HIGH SCHOOL PHASING PLAN**
1/16" = 1'-0"



SITE PLAN
1" = 40'-0"

PHASING PLAN GENERAL NOTES

A. THE "MAIN AREA OF WORK" IN EACH PHASE MUST BE SEPARATED FROM BUILDING OCCUPANTS BY TEMPORARY INTERIOR CONSTRUCTION BARRIERS AND EXTERIOR CONSTRUCTION FENCING. SMALL AREAS OF WORK OUTSIDE OF THESE BOUNDARIES MAY BE REQUIRED IN EACH PHASE, AND MUST OCCUR DURING NON-INSTRUCTIONAL HOURS.

B. IT IS EXPECTED THAT PHASE CHANGES WILL ALIGN TO SCHOOL CALENDAR: ASSUME ONE (1) WEEK WILL BE NECESSARY AFTER THE LAST DAY OF SCHOOL (APPROX 3RD WEEK OF JUNE), BEFORE THE FIRST DAY OF SCHOOL (APPROX 2ND WEEK OF AUGUST), AND DURING WINTER BREAK (APPROX LAST WEEK OF DECEMBER) FOR OWNER TO MOVE ITEMS.

C. REQUIRED MEANS OF EGRESS FOR OCCUPANTS SHALL BE MAAINTAINED AT ALL TIMES DURING CONSTRUCTION, DEMOLITION, REMODELING, OR ALTERATIONS AND ADDITIONS TO ANY BUILDING.

D. IT IS EXPECTED THAT ALL RE-ROOFING & ROOF DEMOLITION & CONSTRUCTION FOR MECHANICAL/ELECTRICAL/PLUMBING/STRUCTURAL OCCURS DURING THE PHASE INDICATED FOR THE SPACE DIRECTLY BELOW EACH ROOF SECTION.

PHASE 1 CONSTRUCTION

PHASE 2 CONSTRUCTION

DEMOLITION PLAN KEYNOTES

REPRESENTED BY n

APPLIES TO DRAWINGS A1.0.1

1 COVERED CANOPY

2 PROVIDE TEMPORARY FENCING FOR CONSTRUCTION ACCESS TO BUILDING FOR PHASE 1 AND PHASE 2

3 CONSTRUCTION STAGING

0' 4' 8' 16' 32'
1/16" = 1'-0"

0' 20' 40' 80'
1" = 40'-0"

MOSELEYARCHITECTS
997 MORRISON DRIVE SUITE 601, CHARLESTON, SC 29403
PHONE (843) 577-5063
MOSELEYARCHITECTS.COM

STATE OF SOUTH CAROLINA
MOSELEY ARCHITECTS P.C.
CHARLESTON, SC
02025
REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA
COREY E. MCCALLA
Charleston, SC
10800
REGISTERED ARCHITECT
03/28/2023

MAYO HIGH SCHOOL TOILET RENOVATION

DCSD SOLICITATION NO.: FAC2223-04
DARLINGTON COUNTY SCHOOL DISTRICT
405 CHESTNUT ST, DARLINGTON, SC 29532

PROJECT NO: 624003
DATE: MARCH 28, 2023

REVISIONS	
DATE	DESCRIPTION

SITE PLAN

A1.0.1

3/27/2023 11:21:06 AM

DEMOLITION PLAN GENERAL NOTES

A. DEMOLITION WORK NOTED ON THESE DRAWINGS INVOLVES THE REMOVAL OF EXISTING CONSTRUCTION UNDER THIS CONTRACT, AND SHALL BE COORDINATED WITH CORRESPONDING RENOVATION FLOOR PLANS AND DETAILS. REMOVE EXISTING CONSTRUCTION AS INDICATED FOR NEW WORK TO CONFORM TO CONTRACT DRAWINGS

B. ACTUAL FIELD CONDITIONS WHICH ARE CONCEALED BY EXISTING CONSTRUCTION MAY VARY FROM THOSE CONDITIONS INDICATED ON THE DRAWINGS. ALL WORK THAT RELATES TO OR IS IN ANY WAY AFFECTED BY EXISTING CONDITIONS WHICH VARY FROM THOSE INDICATED SHALL BE MODIFIED TO ACHIEVE THE INTENT OF THE CONTRACT DOCUMENTS, ACCORDING TO FIELD ASSESSMENTS AND MEASUREMENTS. REPORT DISCREPANCIES TO THE ARCHITECT BEFORE PROCEEDING WITH AFFECTED ASPECTS OF DEMOLITION OR CONSTRUCTION.

C. REFER TO APPLICABLE PLUMBING, MECHANICAL, & ELECTRICAL DEMOLITION PLANS FOR ADDITIONAL DEMOLITION NOTES.

D. WHERE REMOVAL OF EXISTING CMU WALLS (IN PART OR IN FULL) OCCURS, REMOVE BLOCK 4" MINIMUM BELOW FLOOR SLAB WHEN EXISTING WALL CONTINUES THROUGH THE SLAB.

E. REFER TO PLUMBING, MECHANICAL, & ELECTRICAL DRAWINGS FOR AREAS OF EXISTING FLOOR SLAB TO BE REMOVED TO ACCESS PLUMBING LINES FOR COMPLETION OF WORK UNDER THIS CONTRACT.

F. NOT ALL ITEMS TO BE REMOVED ARE NUMBERED WITH KEYNOTES. REFER TO DEMOLITION LEGEND AND THESE GENERAL NOTES AND SECTION 024119 SELECTIVE DEMOLITION

G. REPRESENTATIONS OF EXISTING ITEMS REQUIRING REMOVAL ARE TO BE CONSIDERED GENERAL IN NATURE BASED UPON INFORMATION PROVIDED IN RECORD DRAWINGS AND FIELD OBSERVATIONS. THIS DEMOLITION PLAN AND THE ACCOMPANYING DEMOLITION PLANS BY THE DIVISION 25 & DIVISION 26 DISCIPLINES ARE NOT INTENDED TO BE COMPREHENSIVE IN ALL DETAILS OF EXISTING CONSTRUCTION THAT WILL HAVE TO BE REMOVED TO COMPLETE THE WORK OF THE CONTRACT. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY UPON NOTICE OF A BELIEVED DISCREPANCY BETWEEN THE DEMOLITION DRAWINGS, EXISTING CONDITIONS, AND THE NEW WORK INDICATED.

H. PROTECT ALL WORK THAT IS INDICATED TO REMAIN DURING THE DEMOLITION PROCESS. PROMPTLY REPAIR ANY DAMAGE TO PRE-DEMOLITION CONDITIONS. REFER TO SECTIONS 017300 AND 024119.

I. UNLESS NOTED OTHERWISE, ALL DEMOLISHED MATERIALS ARE TO BE REMOVED AND DISPOSED OF OFF- SITE.

J. WHERE DEMOLITION WORK EXPOSES SURFACES SCHEDULED TO RECEIVE NEW FINISH, THE EXPOSED SURFACE SHALL BE PREPARED AS REQUIRED BY SPECIFICATIONS AND MANUFACTURER FOR ACCEPTABLE INSTALLATION OF THE WORK.

L. WALLS AND PARTITIONS SHOWN WITH DASHED LINES ARE TO BE REMOVED IN THEIR ENTIRETY INCLUDING ALL DOORS, FRAMES AND ATTACHED ITEMS.

M. EXISTING CONSTRUCTION SHALL BE SHORED AND BRACED AS REQUIRED DURING DEMOLITION AND CONSTRUCTION.

N. COORDINATE IN THE FIELD WITH THE OWNER/ARCHITECT ALL EXISTING ITEMS TO BE SALVAGED PRIOR TO ACTUAL DEMOLITION WORK. SALVAGED ITEMS SHALL BE SURFACE CLEANED AND STORED AS DIRECTED BY THE OWNER.

O. ALL EXPOSED SURFACES AFFECTED BY THE DEMOLITION WORK SHALL BE PATCHED TO MATCH EXISTING ADJACENT SURFACE UNLESS SPECIFICALLY NOTED OTHERWISE.

P. EXISTING MATERIALS AND ITEMS NOT USED AS PART OF NEW CONSTRUCTION, INCLUDING BUT NOT LIMITED TO PIPING, DUCTS, CONDUITS, HANGERS, DRAINS, J-BOXES AND SIMILAR APPURTENANCES SHALL BE REMOVED AND NOT ABANDONED IN-PLACE UNLESS REMOVAL IS NOT POSSIBLE (AS DETERMINED BY THE ARCHITECT/OWNER)

Q. KEYED DEMOLITION NOTES USED WITHOUT LEADERS ARE INTENDED TO APPLY TO THE ENTIRE SPACE/ROOM UNLESS NOTED OTHERWISE.

R. DEMO ENOUGH OF EXISTING PARTITIONS TO ALLOW TOOTHING-IN OF MASONRY TO MATCH EXISTING COURSING AND PATTERN AT NEW FRAME LOCATIONS.

S. REFER TO WALL SECTIONS (AND RELATED DRAWINGS AND DETAILS) FOR DEMOLITION REQUIREMENTS OF EXTERIOR ELEMENTS/FINISHES NOT INDICATED ON DEMOLITION DRAWINGS.

T. TALL EXISTING INFORMATION WAS DETERMINED FROM DRAWINGS PROVIDED BY THE OWNER AND NON-DESTRUCTIVE OBSERVATIONS. BIDDERS SHALL REVIEW EXISTING CONDITIONS TO THE EXTENT THAT AFFECTS THE SCOPE OF DEMOLITION AND NEW WORK.

U. PATCH, REAIR, OR FILL ALL EXISTING INTERIOR WALL LOCATIONS WERE EXITING DUCTWORK OR PIPING HAS BEEN REMOVED. VOIDS IN EXISTING WALLS ARE TO BE PATCHED, REPAIRED, OR FILLED WITH THE SAME CONSTRUCTION TYPE AS THE EXISTING WALL

V. PATCH, REPAIR OR FILL ALL EXISTING EXTERIOR WALLS WHERE REMOVAL OF AN EXISTING ITEM OR SYSTEM LEAVES A VOID IN THE EXISTING WALL. VOIDS IN EXISTING WALLS ARE TO BE PATCHED, REPAIRED, OR FILLED WITH THE SAME CONSTRUCTION TYPE AS THE EXISTING WALL.

DEMOLITION PLAN LEGEND

APPLIES TO DRAWINGS A1.2.1

EXISTING PARTITION/ WALL/ ITEM TO REMAIN

EXISTING PARTITION/ WALL/ ITEM TO BE REMOVED; PREPARE ADJACENT SURFACES TO RECEIVE NEW WORK

REMOVE EXISTING WINDOW ASSEMBLY INCLUDING GLASS, FRAME, HARDWARE, SEALANT, TRANSOM, PANELS, RAILS. REFER TO KEYNOTE 1 ON A1.2.1

REMOVE EXISTING DOOR AND FRAME ASSEMBLY INCLUDING DOOR HARDWARE, SEALANTS, ANCHORS, TRANSOM, SIDELIGHTS, AND THRESHOLD (WHERE OCCURS).

REMOVE EXISTING PLUMBING FIXTURE. REFER TO PLUMBING DEMOLITION PLAN FOR ADDITIONAL INFORMATION.

REMOVE EXISTING CONCRETE WALKWAYS TO THE EXTENTS REQUIRED TO RECIEVE NEW WORK. REFER TO STRUCTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL AREAS OF SLAB REMOVAL THAT MAY BE REQUIRED FOR NEW WORK OR REMOVAL OF EXISTING UTILITIES.

REMOVE PART OF CANOPY INCLUDING ALL STRUCTURAL COLUMNS, BEAMS, ROOF DECK, FASCIA, AND ROOFING MATERIALS. PATCH AND REPAIR AS REQUIRED FOR INSTALLATION OF NEW WORK. ANY EXISTING SURFACES THAT ARE EXPOSED DURING THE REMOVAL OF THE CANOPY THAT ARE TO REMAIN EXPOSED AFTER TRE COMPLETION OF THE PROJECT SHALL BE PATCHED AND REPAIRED TO MATCH EXISTING CONDITIONS

REMOVE EXISTING FLOOR SLABS TO THE EXTENTS REQUIRED TO RECIEVE NEW WORK. REFER TO STRUCTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL AREAS OF SLAB REMOVAL THAT MAY BE REQUIRED FOR NEW WORK OR REMOVAL OF EXISTING UTILITIES.

ASBESTOS ABATEMENT GENERAL NOTES

A. AN ASBESTOS INSPECTION WAS PERFORMED AND ASBESTOS-CONTAINING MATERIALS (ACM) WERE GENERALLY FOUND IN THE AREAS INDICATED. THE ASBESTOS-CONTAINING MATERIALS SHALL BE REMOVED PRIOR TO ANY OTHER WORK BEING PERFORMED IN THE AREAS.

B. NO ASBESTOS-CONTAINING REPLACEMENT MATERIALS SHALL BE USED ON THIS PROJECT.

C. LOCATIONS OF ACM WHICH WILL BE SHOWN ON THIS DRAWING ARE APPROXIMATE. CONTRACTOR(S) SHALL VERIFY ALL DIMENSIONS AND FIELD CONDITIONS PRIOR TO SUBMITTING THEIR BID PROPOSAL.

D. COORDINATE ALL WORK WITH THE GENERAL CONTRACTOR.

E. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. ALL ASBESTOS ACTIVITIES ARE TO BE PERFORMED BY QUALIFIED PERSONNEL LICENSED BY THE STATE OF SOUTH CAROLINA.

DEMOLITION PLAN KEYNOTES

REPRESENTED BY n

APPLIES TO DRAWINGS A1.2.1

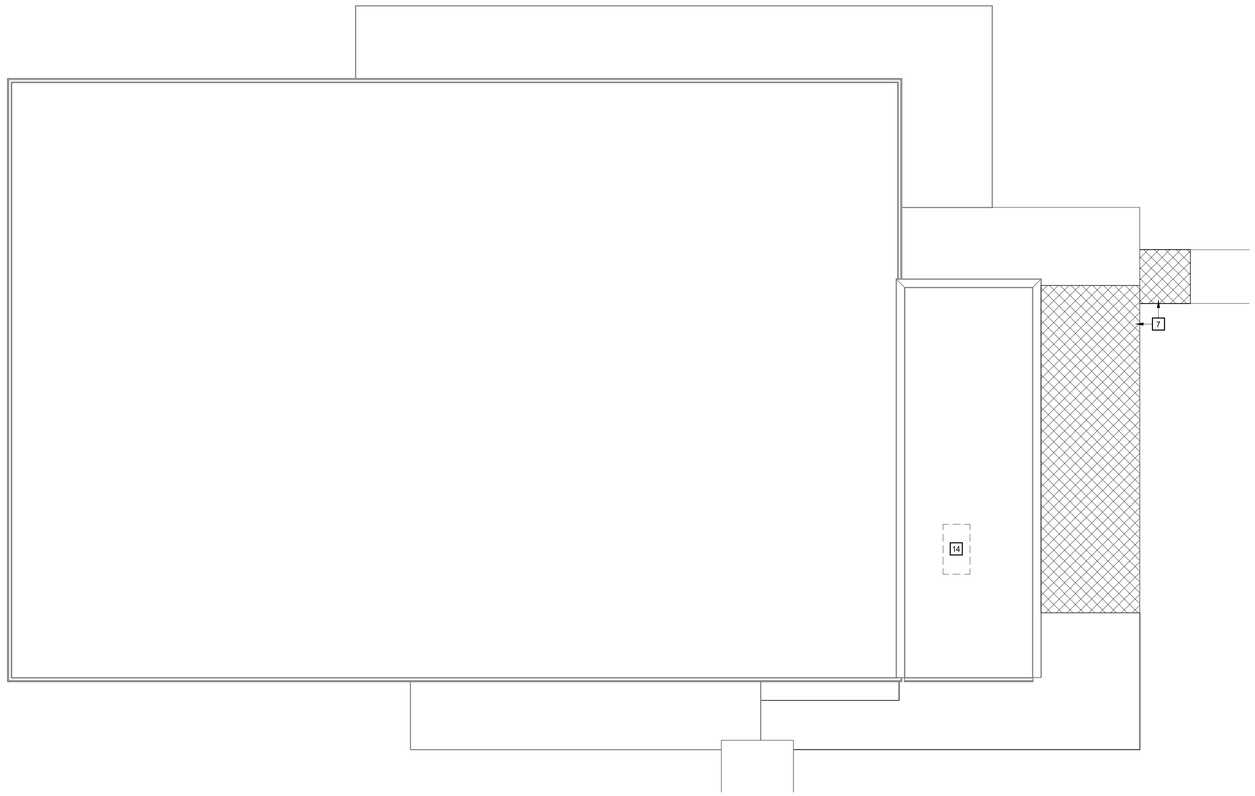
1	REMOVE DOOR AND STOREFRONT ASSEMBLEY INCLUDING GLASS, FRAME, TRANSOM, PANELS, RAILS & ALL ASSOCIATED HARDWARE & SEALANTS, REMOVE INTERIOR STONE SILL AT ALL LOCATIONS WHERE OCCURS. REMOVE BRICK BULKHEAD AT SILL OF SIDELIGHTS WHERE OCCURS.
2	REMOVE ALL PLUMBING FIXTURES AND ALL TOILET AND LAVATORY ACCESSORIES. (REFER TO PLUMBING PLANS FOR ADDITIONAL PLUMBING DEMO INFORMATION)
3	REMOVE AND DISCARD ELECTRIC WATER COOLER
4	REMOVE ALL CEILINGS, CEILING TILE, GRID, HANGERS, AND LIGHTING AND PREPARE TO RECEIVE NEW WORK.
5	REMOVE ALL EXISTING APPLIED FLOOR FINISHES INCLUDING, VCT, TILE, AND ALL WALL BASE MATERIALS. PREPARE EXISTING CONCRETE SLAB FOR INSTALLATION OF NEW WORK.
6	REMOVE WALL TILE AT ALL LOCATIONS WHERE IT OCCURS. REMOVE ALL ASSOCIATED MORTAR, TILE, AND BACKING MESH; CLEAN AND PREPARE EXISTING CMU WALL FOR NEW TILE. (REFER TO FINISH SCHEDULE FOR ADDITIONAL INFORMATION)

DEMOLITION PLAN KEYNOTES

REPRESENTED BY n

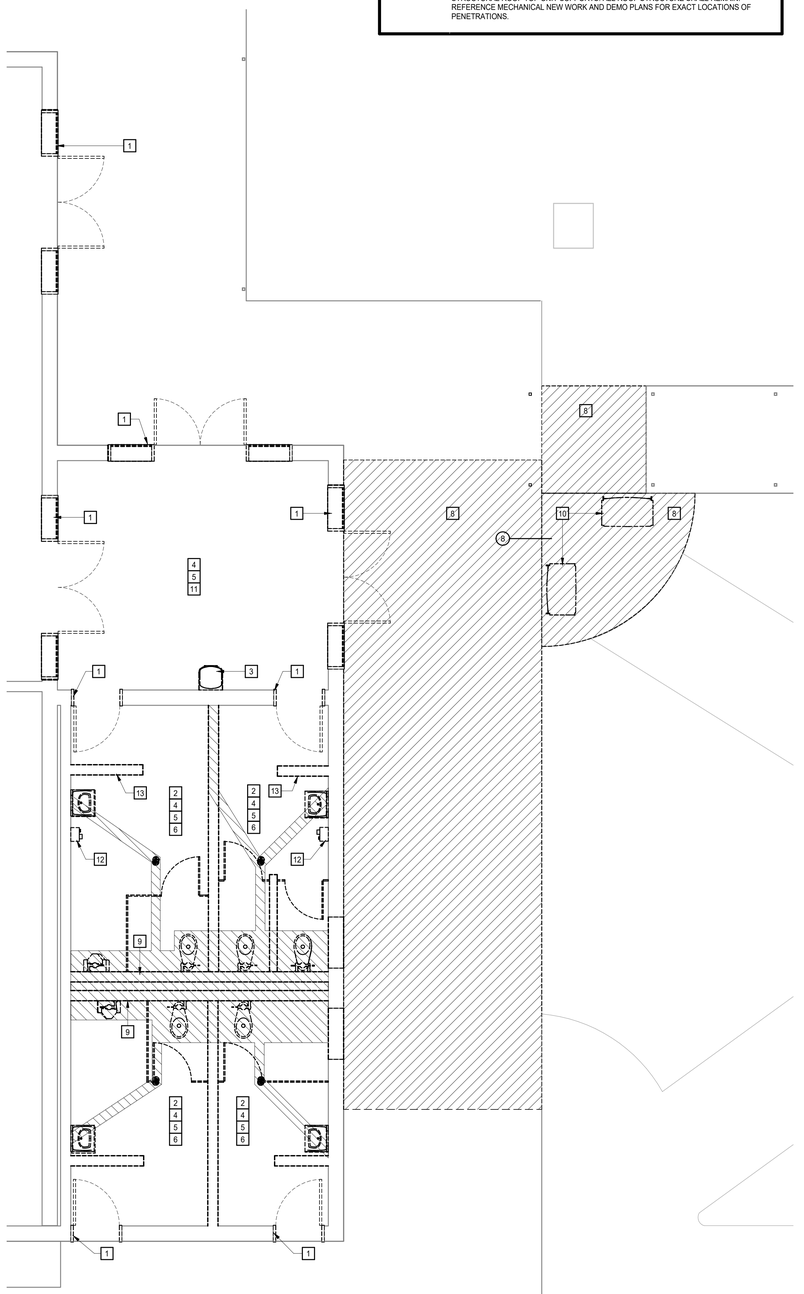
APPLIES TO DRAWINGS A1.2.1

7	REMOVE PART OF CANOPY INCLUDING ALL STRUCTURAL COLUMNS, BEAMS, ROOF DECK, FASCIA, AND ROOFING MATERIALS. PATCH AND REPAIR AS REQUIRED FOR INSTALLATION OF NEW WORK. ANY EXISTING SURFACES THAT ARE EXPOSED DURING THE REMOVAL OF THE CANOPY THAT ARE TO REMAIN EXPOSED AFTER THE COMPLETION OF THE PROJECT SHALL BE PATCHED AND REPAIRED TO MATCH EXISTING CONDITIONS.
8	REMOVE ALL OF CONCRETE WALKWAY, WOOD PLANTERS, AND ALL LANDSCAPING. PREP AREA FOR RE-GRADING AND INSTALLATION OF NEW WORK.
9	REFER TO STRUCTURAL DRAWINGS IF SHORING IS REQUIRED
10	SALVAGE AND REMOVE BENCHES AND CONCRETE ATTACHMENT
11	REMOVE AND REPLACE INSULATION ABOVE ACOUSTICAL PANELS
12	OWNER TO REMOVE AND RE-INSTALL HAND DRYER
13	OWNER TO SALVAGE AND REMOVE MIRROR
14	REMOVE MEMBRANE ROOF FOR EXTENT REQUIRED TO PERFORM NEW WORK FOR STRUCTURAL ROOF TOP UNIT SUPPORTS. ALL ROOF STRUCTURE SHALL REMAIN. REFERENCE MECHANICAL NEW WORK AND DEMO PLANS FOR EXACT LOCATIONS OF PENETRATIONS.



N

2 A1.2.1 DEMOLITION ROOF PLAN 1/8" = 1'-0"



N

1 A3.1.1 A1.2.1 DEMOLITION FIRST FLOOR PLAN 1/4" = 1'-0"

0' 1' 2' 4' 8'
1/4" = 1'-0"

0' 2' 4' 8' 16'
1/8" = 1'-0"

MOSELEY ARCHITECTS
997 MORRISON DRIVE SUITE 601, CHARLESTON, SC 29403
PHONE (843) 577-5063
MOSELEYARCHITECTS.COM

STATE OF SOUTH CAROLINA
MOSELEY ARCHITECTS P.C.
CHARLESTON, SC 02025
REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA
COREY E. MCCALLA
Charleston, SC 10800
REGISTERED ARCHITECT
03/28/2023

MAYO HIGH SCHOOL TOILET RENOVATION

DCSD SOLICITATION NO.: FAC2223-04
DARLINGTON COUNTY SCHOOL DISTRICT
405 CHESTNUT ST, DARLINGTON, SC 29532

PROJECT NO: 624003
DATE: MARCH 28, 2023

REVISIONS

DATE	DESCRIPTION

DEMOLITION PLAN

A1.2.1

3/27/2023 11:21:07 AM

FINISH SCHEDULE

NUMBER	NAME	FLOOR	BASE	WALLS				WAINSCOT	CEILING	NOTES
				NORTH	EAST	SOUTH	WEST			
1	VESTIBULE	VCT	RB	ETR	ETR	ETR	ETR	--	ACP	
2	VESTIBULE	VCT	RB	ETR	ETR	ETR	ETR	--	ACP	
3	FEMALE RESTROOM	RES	RES	GWT	GWT	GWT	GWT	--	GBD PT	
4	MALE RESTROOM	RES	RES	GWT	GWT	GWT	GWT	--	GBD PT	

FLOOR PLAN KEYNOTES

REPRESENTED BY n

APPLIES TO DRAWINGS A2.1

1 TOOTH-IN BRICK AND MATCH EXISTING

FLOOR PLAN GENERAL NOTES

A. UNLESS NOTEX OTHERWISE, ALL EXTERIOR DIMENSIONS ARE TO THE FACE OF MASONRY OR CENTERLINE OF COLUMN. DIMENSIONS AT DOOR / WINDOW OPENINGS ARE TO FRAMES. CONTRACTOR SHALL COORDINATE ACTUAL REQUIRED MASONRY OPENING. NOTIFY ARCHITECT IF UNCERTAIN AS TO THE STARTING POINT OF A DIMENSION.

B. UNLESS NOTED OTHERWISE ALL INTERIOR DIMENSIONS ARE TO THE FACE OF MASONRY OR FACE OR GYPSUM BOARD. NOTIFY ARCHITECT IF UNCERTAIN AS TO THE STARTING POINT OF A DIMENSION.

C. ALL BRICK VENEER INFILL WALL CONDITIONS TO BE TOOTHED IN WITH EXISTING CONSTRUCTION FOR SEEMLESS LOOK.

D. ALL CMU INFILL WALL CONDITIONS TO BE FILLED WITH CMU AND DOWELS. (REFER TO DETAIL xx.xx)

E. EXPOSED CORNERS AND NEW CMU WALLS TO BE BULLNOSED.

FINISH SCHEDULE GENERAL NOTES

A. FINISH SCHEDULE DESCRIBES ONLY THE BASIC OR PREDOMINANT SURFACE FINISH.

B. PROVIDE SAME FINISHES AS THE ADJACENT SPACE IN ALCOVES AND CONTINUOUS SPACES WITHOUT DESIGNATED SPACE NUMBERS.

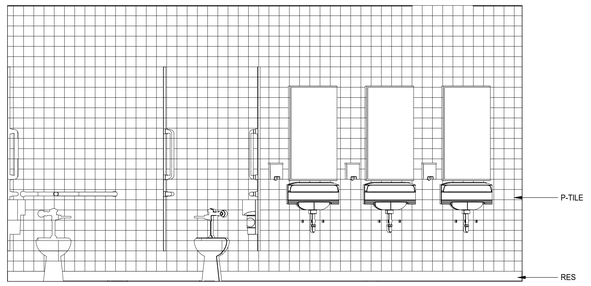
C. DIRECTIONAL WALL FINISH INDICATORS (NORTH, EAST, SOUTH, WEST) REFER TO THE "PLAN" NORTH ORIENTATION.

D. BULKHEADS AND SOFFITS MAY NOT BE INDICATED IN FINISH SCHEDULES. REFER TO RCP DETAILS, AND OTHER DOCUMENTS FOR EXTENT.

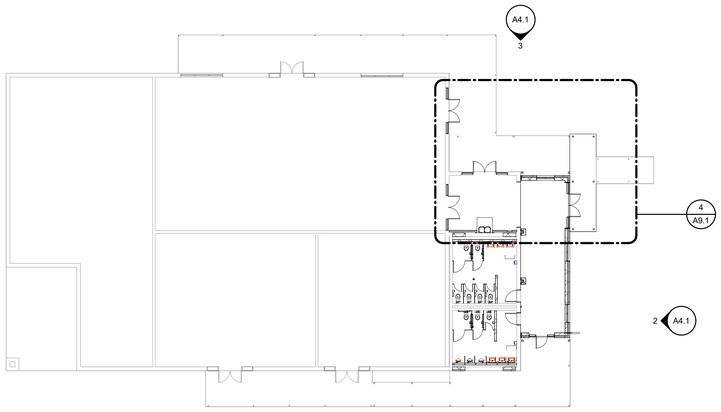
E. PROVIDE CONTINUOUS SEALANT BETWEEN INTERIOR SLAB-ON-GRADE AND VERTICAL ELEMENT WHERE JOINT IS NOT CONCEALED BY FINISH BASE OR OTHER CONSTRUCTION

G. REFER TO SPECIFICATIONS FOR INFORMATION ON FINISH FIRE CLASSIFICATION RATING.

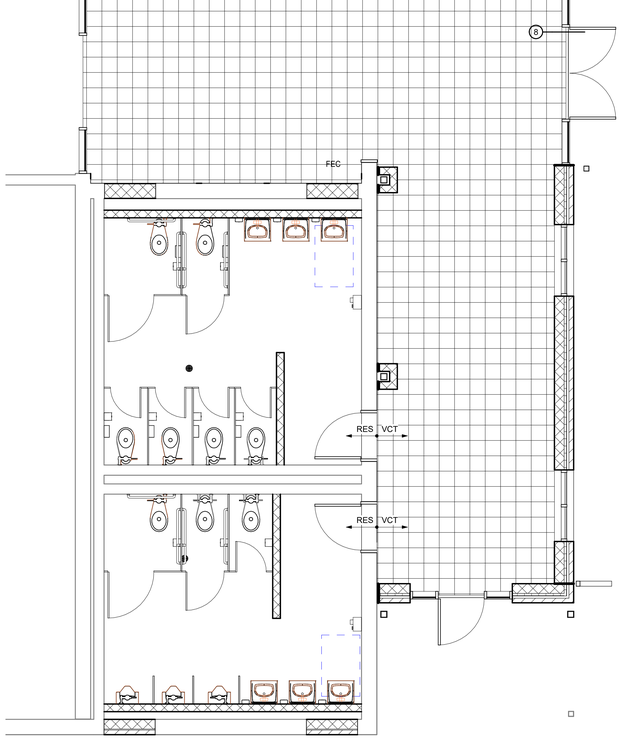
H. ROLLER SHADES ON WINDOWS. REFER TO SPECS IN DIVISION 12 SECTION "122400".



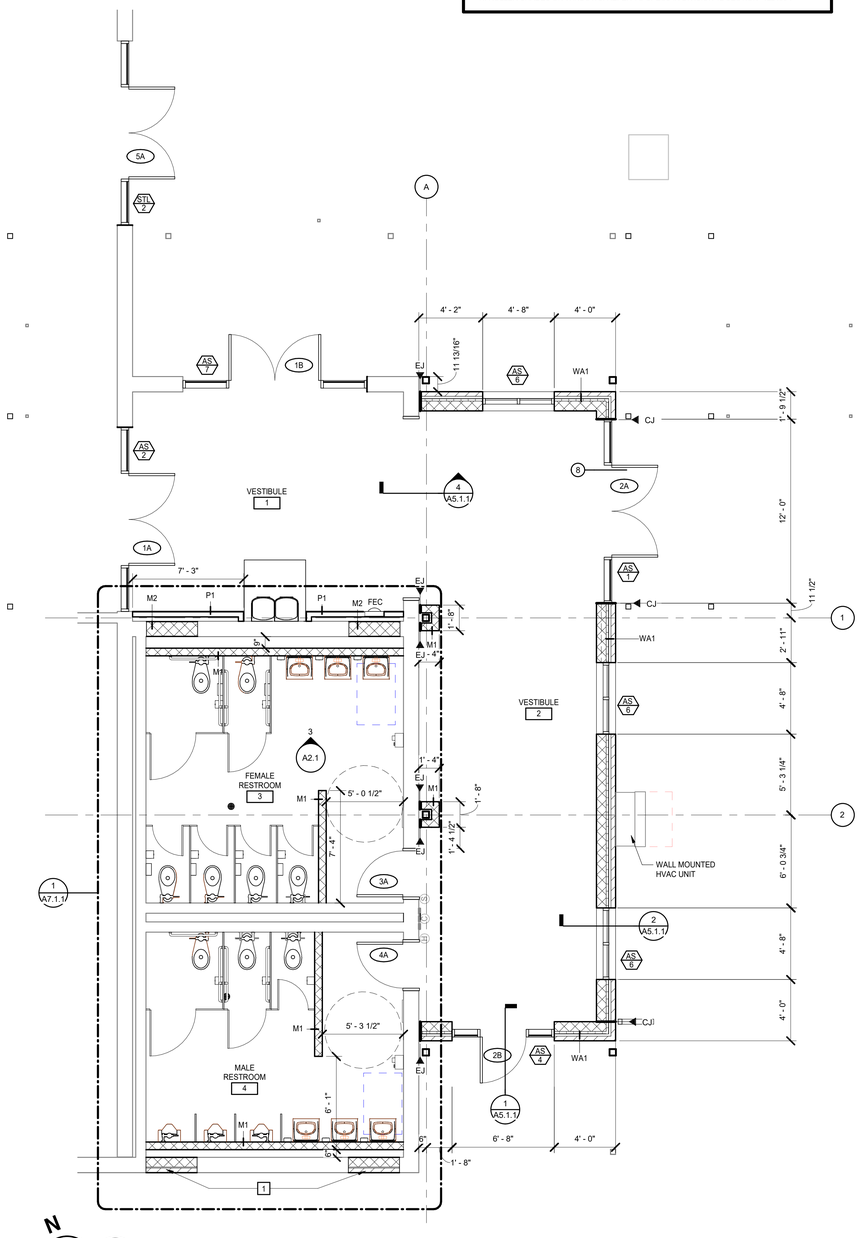
3 A2.1 A2.1 **TYP BATHROOM ELEVATION**
1/2" = 1'-0"



MAYO HIGH SCHOOL OVERALL PLAN
NO SCALE



N 2 A3.1.1 A2.1 **FIRST FLOOR PATTERN PLAN**
1/4" = 1'-0"



N 1 A2.1 **FIRST FLOOR PLAN**
1/4" = 1'-0"

0' 1' 2' 4' 8'
1/4" = 1'-0"

MOSELEYARCHITECTS
997 MORRISON DRIVE SUITE 601, CHARLESTON, SC 29403
PHONE (843) 577-5063
MOSELEYARCHITECTS.COM

STATE OF SOUTH CAROLINA
MOSELEY ARCHITECTS P.C.
CHARLESTON, SC
02025
REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA
COREY E. MCCALLA
Charleston, SC
10800
REGISTERED ARCHITECT
03/28/2023

MAYO HIGH SCHOOL TOILET RENOVATION

DCSD SOLICITATION NO.: FAC2223-04
DARLINGTON COUNTY SCHOOL DISTRICT
405 CHESTNUT ST, DARLINGTON, SC 29532

PROJECT NO: 624003
DATE: MARCH 28, 2023

REVISIONS	
DATE	DESCRIPTION

FLOOR PLAN AND FLOOR PATTERN PLAN

A2.1

3/27/2023 11:21:09 AM

DOOR SCHEDULE

NUMBER	DOOR TYPE	SIZE (NOMINAL)	DOOR MATL	DOOR LOUVER	DOOR UC	DOOR GLAZING TYPE	FRAME TYPE	FRAME NUMBER	FRAME SECTIONS	FRAME HEAD DETAIL	FRAME JAMB DETAIL	FRAME JAMB DETAIL	FRAME SILL DETAIL	FIRE RATING	NOTES
1A	E2	PR 3' - 0" x 7' - 0" x 1 3/4"	ALUM	--	--	GL-1	AS	2		2	3	--	--		
1B	E2	PR 3' - 0" x 7' - 0" x 1 3/4"	ALUM	--	--	GL-1	AS	7		2	3	--	--		
2A	E2	PR 3' - 0" x 7' - 0" x 1 3/4"	ALUM	--	--	GL-1	AS	1		4	5	--	--		
2B	E2	3' - 0" x 7' - 0" x 1 3/4"	ALUM	--	--	GL-1	AS	4		4	5	--	--		
2C	--	11' - 8" x 7' - 0" x 0"		--	--		STL	3	A	1	1	--	--		1
3A	F	3' - 0" x 7' - 0" x 1 3/4"	WD	--	--		STL	3	A	1	1	--	--	45 MIN	
4A	F	3' - 0" x 7' - 0" x 1 3/4"	WD	--	--		STL	3	A	1	1	--	--	45 MIN	
5A	E2	PR 3' - 0" x 7' - 0" x 1 3/4"	STL	--	--	GL-1	STL	2		2	3	--	--		

NOTE:

1. CASED OPENING

GENERAL NOTES

A. UNLESS INDICATED OTHERWISE, ALL DETAIL NUMBERS IN THE DOOR AND FRAME SCHEDULE FOR HEAD, JAMB AND SILL CONDITIONS REFER TO DRAWINGS A3.2.1 - A3.2.n.

B. DOOR AND FRAME DETAILS INDICATE GENERAL CHARACTERISTICS OF DOOR AND FRAME SIZES AND COMPONENTS AND MAY NOT INDICATE EXACT FIELD CONDITIONS OR REQUIREMENTS. COORDINATE DETAILS WITH OTHER DRAWINGS AND SPECS TO DETERMINE ALL COMPONENTS (E.G., SEALANTS, ANCHORS, HARDWARE, LINTELS, CLIPS) REQUIRED FOR COMPLETE AND FUNCTIONAL INSTALLATION.

C. DOOR SWINGS ON FLOOR PLANS TAKE PRECEDENCE OVER SWINGS INDICATED ELSEWHERE (E.G., ELEVATIONS).

GLAZING TYPES

REPRESENTED BY (n)

1. GL-1 1/4" CLEAR
2. GL-2 1" TINTED INSULATING

NOTES:
1. ALL GLAZING IN INTERIOR FRAMES SHALL BE TYPE 1, UNO
2. ALL GLAZING IN EXTERIOR FRAMES SHALL BE TYPE 2, UNO
3. GLAZE ALL OPENINGS IN FRAMES UNLESS SPECIFICALLY INDICATED OTHERWISE
4. ALL GLAZING SHALL BE SAFETY GLASS UNLESS INDICATED OTHERWISE

DOOR AND FRAME DETAIL KEYNOTES

REPRESENTED BY [n]

APPLIES TO DRAWINGS A3.1.1 - A3.1.1

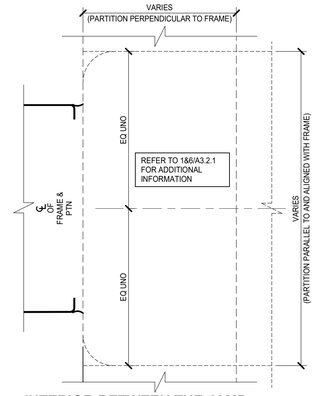
1	ANCHORAGES, REINFORCING, SPECIFIC PARTITION CONSTRUCTION AND/OR LINTELS ARE NOT SHOWN FOR CLARITY.
2	REFER TO FRAME SECTION IN DOOR SCHEDULE FOR TYPE.
3	SEALANT, ALL SIDES - TOOL TO 90°.
4	BACKBEND RETURN @ GB LOCATIONS ONLY.
5	9/16" @ MAS; 1/2" @ GB.
6	1/4" @ JAMBS, UNO; DIMENSION @ HEAD & SILL VARIES.
7	BULLNOSE @ CMU JAMBS & SILLS.
8	0" @ GB LOCATIONS; 1/16" @ MAS LOCATIONS.
9	MASONRY VENEER - TYPE VARIES. REFER TO WALL ASSEMBLY TYPES
10	AIR BARRIER TRANSITION MEMBRANE
11	CAVITY DRAINAGE MATERIAL
12	MEMBRANE FLASHING W/ WEEPS & DRIP EDGE

DOOR AND FRAME DETAIL KEYNOTES

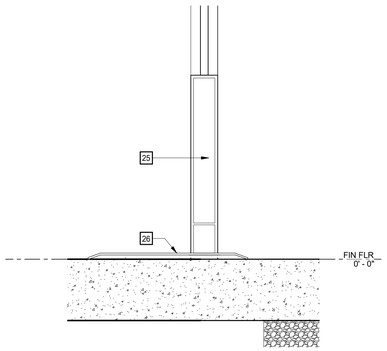
REPRESENTED BY [n]

APPLIES TO DRAWINGS A3.1.1 - A3.1.1

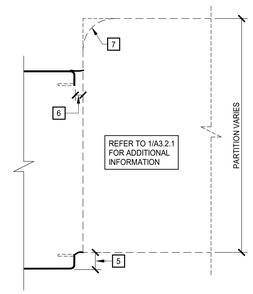
13	STL SUPPORT AT AS SILL - REFER TO STRUCTURAL
14	FULL SEALANT BED BETWEEN SHIMS W/ CONTINUOUS SEALANT AND BACKER ROD. ALL SIDES - TOOL TO 90 DEGREES
15	CONTINUOUS ALUMINUM CLIP ANGLE WITH MATCHING SNAP-ON TRIM
16	ALUMINUM STOREFRONT SYSTEM
18	EXISTING WALL
19	ALUMINUM BREAK METAL MASONRY WRAP WITH HEMMED EDGE; FINISH TO MATCH STOREFRONT, TYP.
20	FACE OF VENEER BEYOND
21	ROWLOCK BRICK COURSE
22	JOINT SEALANT AND BACKER ROD
23	WEEP HOLES
24	ALUMINUM FLASHING
25	ALUMINUM STOREFRONT SYSTEM
26	REFER TO STRUCTURAL S3.1.1 FOR FOUNDATION



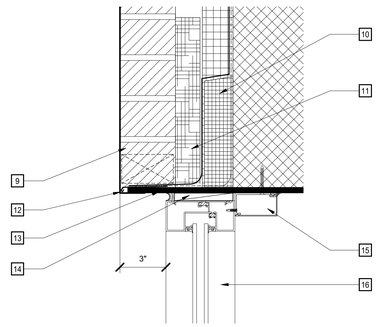
7 INTERIOR BETWEEN THE JAMB - BUTTED HEAD/JAMB/SILL
TYP A3.1.1 — 6" = 1'-0"

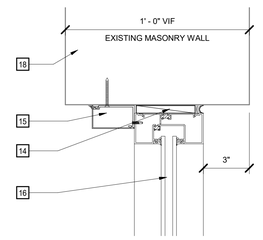


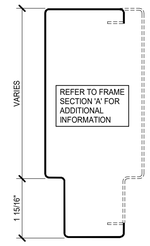
9 SILL DETAIL
TYP A3.1.1 — 3" = 1'-0"



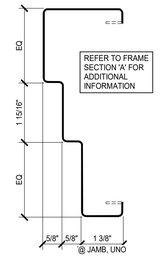
6 INTERIOR BETWEEN THE JAMB - PROJECTED HEAD/JAMB/SILL
A3.1.1 — 6" = 1'-0"





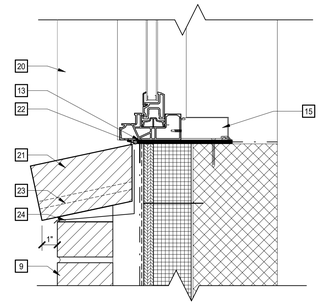


SINGLE RABBET (D)

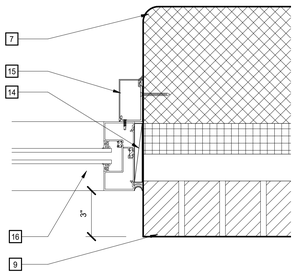


DBL EGRESS @ JAMB ONLY (B)

HEAD SECTION SIMILAR

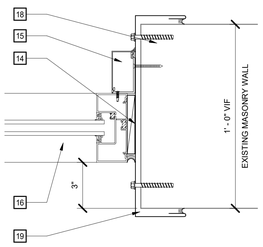


8 SILL DETAIL
A1.2.1 A3.1.1 — 3" = 1'-0"



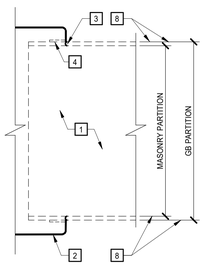
5 JAMB DETAIL
TYP A3.1.1 — 3" = 1'-0"

4 HEAD DETAIL
TYP A3.1.1 — 3" = 1'-0"

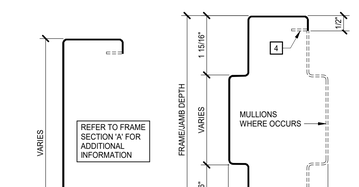


3 JAMB DETAIL
TYP A3.1.1 — 3" = 1'-0"

2 HEAD DETAIL
TYP A3.1.1 — 3" = 1'-0"

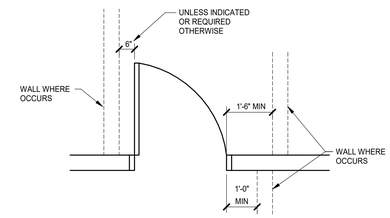


1 INTERIOR WRAP HEAD/JAMB/SILL
TYP A3.1.1 — 6" = 1'-0"

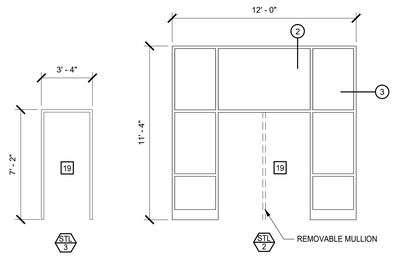


1. ALL FRAME/JAMB DEPTHS, OTHER THAN WRAP CONDITIONS, SHALL BE 1'-0", UNO.
2. ALL FRAME/JAMB DEPTHS AT WRAP CONDITIONS SHALL BE SIZED TO SUIT PARTITION.
3. DOORS, PANELS, GLAZING, STOPS, AND OTHER FRAME INFILLS ARE NOT SHOWN IN FRAME SECTIONS AS THEY VARY - PROVIDE SAME WHERE INDICATED.

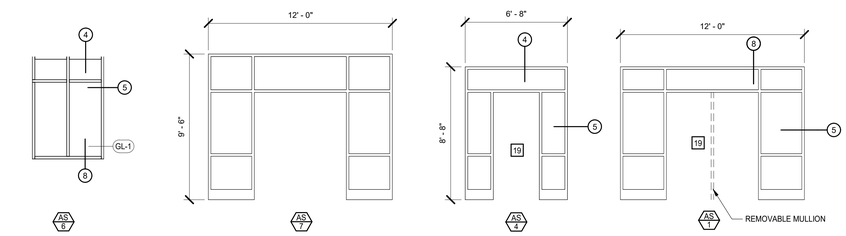
STEEL FRAME SECTIONS



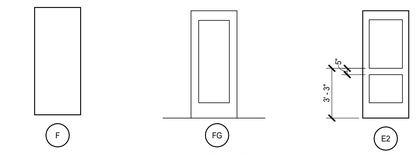
MANEUVERING CLEARANCE AT DOORS



STEEL FRAME TYPES



ALUMINUM STOREFRONT TYPES



DOOR TYPES

0" 1" 2" 4" 8"
3" = 1'-0"

0" ½" 1" 2" 4"
6" = 1'-0"

MOSELEYARCHITECTS
997 MORRISON DRIVE SUITE 601, CHARLESTON, SC 29403
PHONE (843) 577-5063
MOSELEYARCHITECTS.COM

STATE OF SOUTH CAROLINA — REGISTERED ARCHITECTS — MOSELEY ARCHITECTS P.C. — CHARLESTON, SC — 02025

STATE OF SOUTH CAROLINA — REGISTERED ARCHITECT — COREY E. MCCALLA — Charleston, SC — 10800 — 03/28/2023

MAYO HIGH SCHOOL TOILET RENOVATION

DCSD SOLICITATION NO.: FAC2223-04
DARLINGTON COUNTY SCHOOL DISTRICT
405 CHESTNUT ST, DARLINGTON, SC 29532

PROJECT NO: 624003
DATE: MARCH 28, 2023

REVISIONS

DATE	DESCRIPTION

DOOR AND FRAME SCHEDULE

A3.1.1

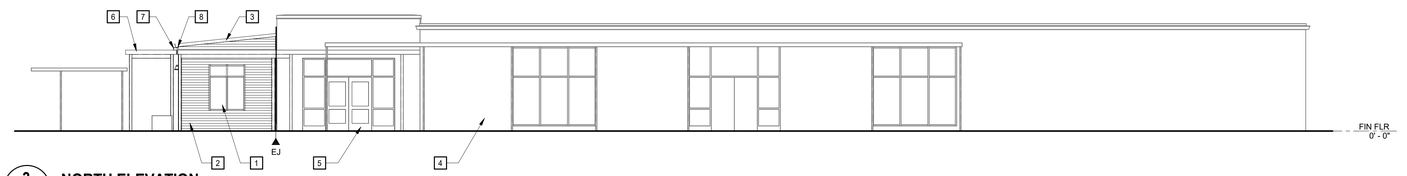
3/27/2023 11:21:11 AM

BUILDING ELEVATION KEYNOTES

REPRESENTED BY n

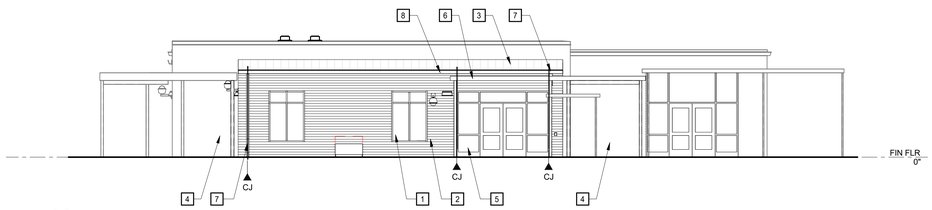
APPLIES TO DRAWINGS A4.1 - A4.n

1	ALUMINUM STOREFRONT SYSTEM
2	FACE BRICK
3	METAL ROOF
4	EXISTING BUILDING
5	ALUMINUM STOREFRONT AND ENTRANCE DOOR(S)
6	METAL CANOPY
7	DOWNSPOUT AND SPLASH BLOCK, TYP @ 4"
8	GUTTER, TYP @ 6"



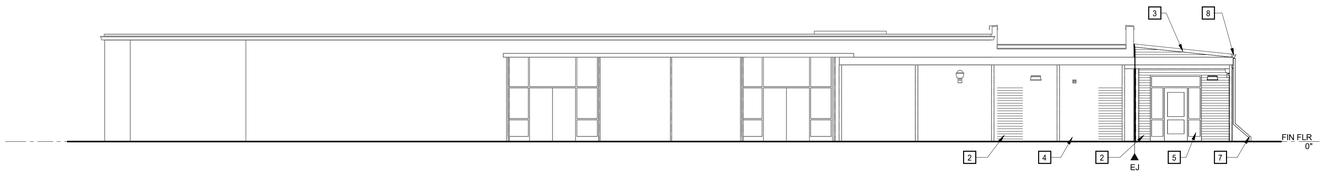
3 A2.1 A4.1 **NORTH ELEVATION**

1/8" = 1'-0"



2 A2.1 A4.1 **EAST ELEVATION**

1/8" = 1'-0"



1 A2.1 A4.1 **SOUTH ELEVATION**

1/8" = 1'-0"

0' 2' 4' 8' 16'

1/8" = 1'-0"

MOSELEYARCHITECTS

997 MORRISON DRIVE SUITE 601, CHARLESTON, SC 29403
PHONE (843) 577-5063
MOSELEYARCHITECTS.COM

STATE OF SOUTH CAROLINA
MOSELEY ARCHITECTS P.C.
CHARLESTON, SC
02025
REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA
COREY E. MCCALLA
Charleston, SC
10800
REGISTERED ARCHITECT
03/28/2023

MAYO HIGH SCHOOL TOILET RENOVATION

DCSD SOLICITATION NO.: FAC2223-04
DARLINGTON COUNTY SCHOOL DISTRICT
405 CHESTNUT ST, DARLINGTON, SC 29532

PROJECT NO: 624003
DATE: MARCH 28, 2023

REVISIONS

DATE	DESCRIPTION

BUILDING ELEVATIONS AND WALL SECTIONS

A4.1

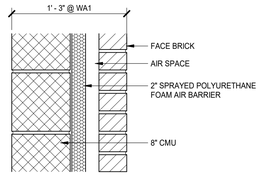
3/27/2023 11:21:12 AM

J I H G F E D C B A

1 2 3 4 5 6 7 8 9 10

EXTERIOR WALL ASSEMBLIES

APPLIES TO A5.1 SERIES OF DRAWINGS
REPRESENTED BY ⟨WAn⟩

MARK	FIRE RATING (REFER TO LS 1.1 FOR LEGEND)	REMARKS	INFORMATION
WA1	⬡		

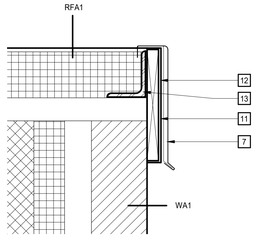
GENERAL NOTES

A. REFER TO A0.2 FOR MASONRY PARTITION TYPES & PANEL PARTITION TYPES, REPRESENTED BY —— Mn OR —— Pn
B. REFER TO A5.1.0 FOR EXTERIOR WALL ASSEMBLIES, REPRESENTED BY ⟨WAn⟩
C. REFER TO DRAWING A10.1 FOR ROOF ASSEMBLIES, REPRESENTED BY ⟨RAn⟩
D. REFER TO STRUCTURAL DRAWINGS FOR REINFORCING, NOT INDICATED ON ARCHITECTURAL DETAILS.
E. REFER TO SECTION 034500 FOR ARCHITECTURAL PRECAST CONCRETE ANCHORAGE REQUIREMENTS, NOT INDICATED ON ARCHITECTURAL DETAILS.
F. REFER TO STRUCTURAL DRAWINGS FOR TOP OF WALL BRACING AT ALL WALLS, NOT INDICATED ON ARCHITECTURAL DETAILS.

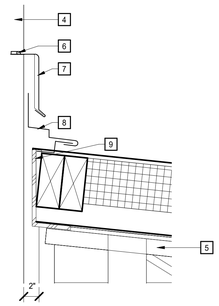
WALL SECTION KEYNOTES

REPRESENTED BY ⟨n⟩
APPLIES TO DRAWINGS A5.1.1

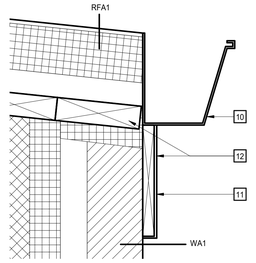
1	ALUMINUM STOREFRONT SYSTEM
2	REFER TO STRUCTURAL S3.1.1 FOR FOUNDATION
3	BULKHEAD
4	EXISTING BUILDING
5	REFER TO STRUCTURAL S4.0.1 FOR JOIST
6	SAW CUT REGLET
7	PREFINISHED METAL RAKE TRIM WITH DRIP EDGE
8	EXPANSION JOINT FLASHING
9	BENT PL CONT
10	6" GUTTER
11	CONTINUOUS PREFINISHED METAL FASCIA TRIM
12	PRESSURE PRESERVATIVE TREATED WOOD BLOCKING
13	BENT STEEL PLATE, REFER TO STRUCTURAL



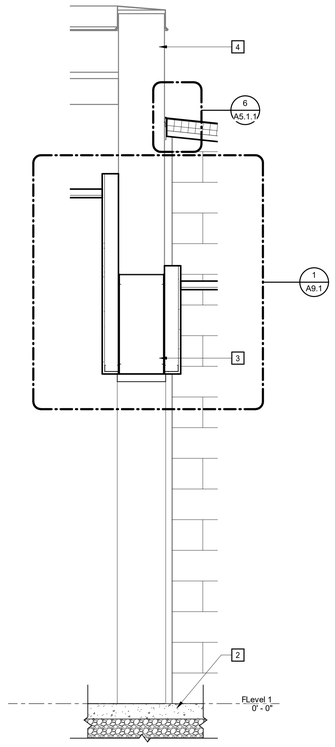
7 ROOF DETAIL (A5.1.1 | A5.1.1) 3" = 1'-0"



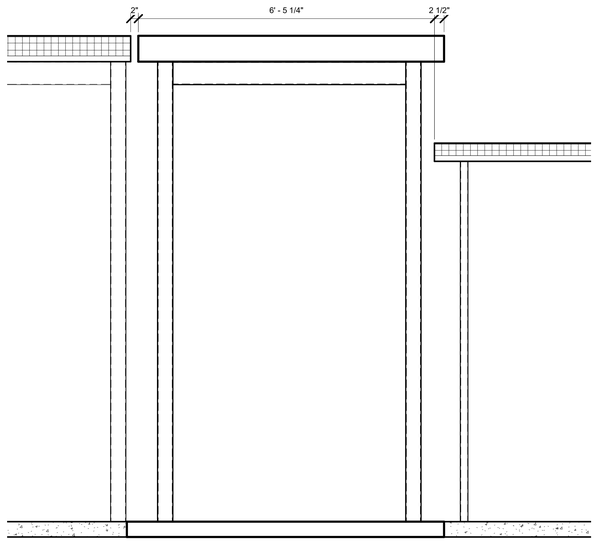
6 ROOF DETAIL (A5.1.1 | A5.1.1) 3" = 1'-0"



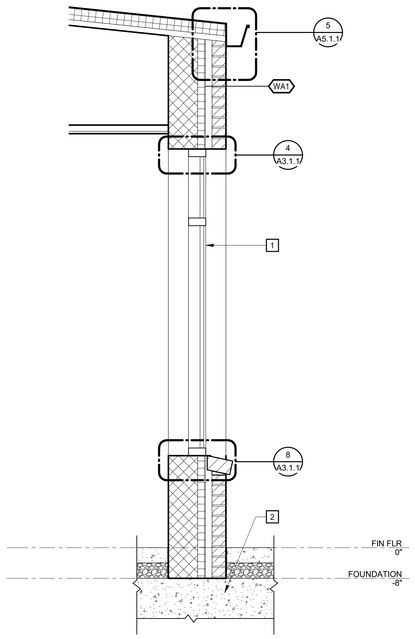
5 ROOF DETAIL (A5.1.1 | A5.1.1) 3" = 1'-0"



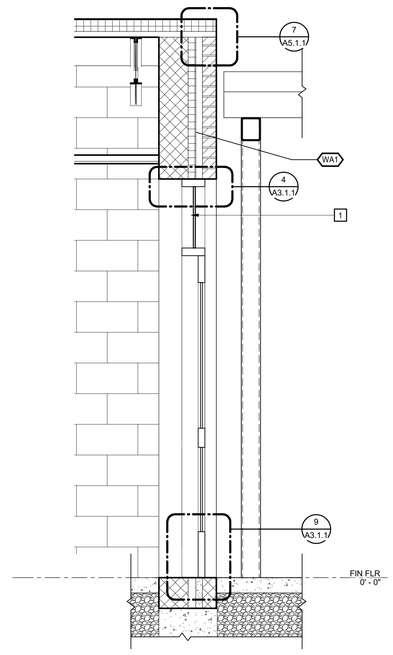
4 WALL SECTION (A2.1 | A5.1.1) 3/4" = 1'-0"



3 CANOPY SECTION (G2.1 | A5.1.1) 3/4" = 1'-0"



2 WALL SECTION (A2.1 | A5.1.1) 3/4" = 1'-0"



1 WALL SECTION (A2.1 | A5.1.1) 3/4" = 1'-0"

0" 1" 2" 4" 8"
3" = 1'-0"

0" 6" 1' 18" 2' 30"
3/4" = 1'-0"

MOSELEY ARCHITECTS
997 MORRISON DRIVE SUITE 601, CHARLESTON, SC 29403
PHONE (843) 577-5063
MOSELEYARCHITECTS.COM

STATE OF SOUTH CAROLINA
MOSELEY ARCHITECTS P.C.
CHARLESTON, SC
02025
REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA
COREY E. MCCALLA
Charleston, SC
10800
REGISTERED ARCHITECT
03/28/2023

MAYO HIGH SCHOOL TOILET RENOVATION

DCSD SOLICITATION NO.: FAC2223-04
DARLINGTON COUNTY SCHOOL DISTRICT
405 CHESTNUT ST, DARLINGTON, SC 29532

PROJECT NO: 624003
DATE: MARCH 28, 2023

REVISIONS	
DATE	DESCRIPTION

WALL SECTIONS

A5.1.1

3/27/2023 11:21:13 AM

TOILET ACCESSORIES SCHEDULE

MARK	DESCRIPTION	MOUNTING HEIGHT	REMARKS
A	36" HORIZONTAL GRAB BAR	REFER TO WATER CLOSET ELEVATIONS	
B	42" HORIZONTAL GRAB BAR	REFER TO WATER CLOSET ELEVATIONS	
C	18" VERTICAL GRAB BAR	REFER TO WATER CLOSET ELEVATIONS	
D	TOILET TISSUE DISPENSER	REFER TO WATER CLOSET ELEVATIONS	OWNER PROVIDED
E	SANITARY NAPKIN DISPOSAL	REFER TO WATER CLOSET ELEVATIONS	
F	SOAP DISPENSER	3'-4" AFF TO DISPENSING OUTLET	OWNER PROVIDED
G	MIRROR (18" x 36"), OVER LAV AND COUNTERTOP	3'-4" AFF TO BOTTOM OF REFLECTIVE SURFACE	
U	WARM AIR HAND DRYER	3'-0" AFF TO AIR OUTLET	OWNER PROVIDED

1. ACCESSORY ITEMS ARE IDENTIFIED BY ⬡ ON THIS DRAWING SHEET. LETTERS CORRESPOND TO SCHEDULE ABOVE.
2. ACTUAL DIMENSIONS OF ACCESSORIES MAY VARY. COORDINATE DIFFERENCES, IF ANY.

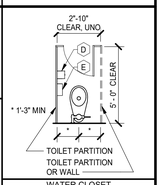
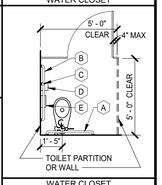
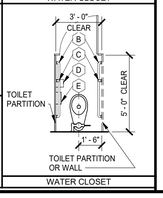
TOILET ASSEMBLIES, SCHEDULE AND ENLARGED PLAN GENERAL NOTES

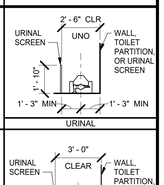
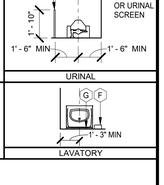
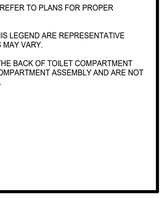
A. PLAN DIMENSIONS ARE TO FACE OF WALL OR PARTITION. WHERE APPLIED FINISHES OCCUR-SUCH AS CERAMIC TILE-DIMENSIONS ARE TO FACE OF APPLIED FINISH. FOR WAINSCOTS, FLOOR PLAN DIMENSIONS ARE TO FACE OF WAINSCOT MATERIAL. APPLIED FINISHES ARE NOT ALLOWED TO REDUCE CLEAR DIMENSIONS. "APPLIED FINISHES" IN THIS CASE DO NOT INCLUDE TRIM, BASE, AND ACOUSTIC WALL PANELS.

B. CLEAR DIMENSIONS ARE TO FACE OF APPLIED WALL AND PARTITION FINISHES.

TOILET ASSEMBLIES

APPLIES TO DRAWINGS A7.1
REPRESENTED BY (TA1)

MARK	REMARKS	PLAN
TA1		 WATER CLOSET
TA2	OMIT (E)	
BARRIER FREE		
TA3		 WATER CLOSET
BARRIER FREE		
TA4	OMIT (E)	
BARRIER FREE		
TA5		 WATER CLOSET
BARRIER FREE		
TA6	OMIT (E)	

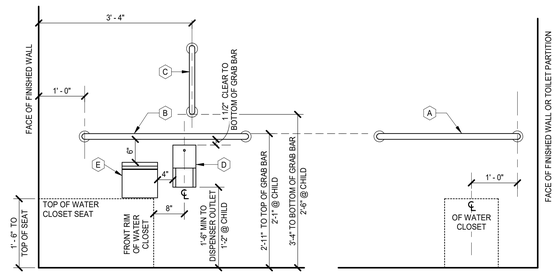
MARK	REMARKS	PLAN
TA9		 URINAL
BARRIER FREE		
TA10		 URINAL
TA11	CENTER (G) OVER LAVATORY	 LAVATORY

LEGEND NOTES:

A. HANDING/ORIENTATION MAY VARY. REFER TO PLANS FOR PROPER ORIENTATION.

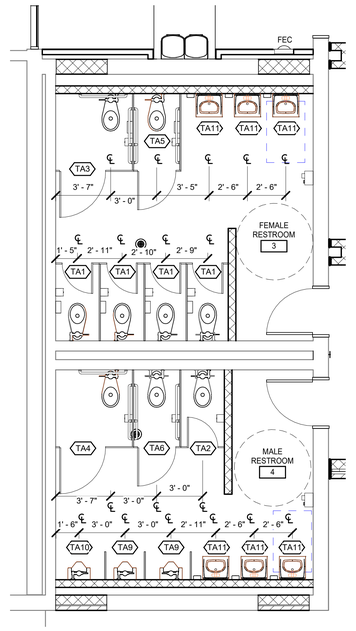
B. PLUMBING FIXTURE GRAPHICS IN THIS LEGEND ARE REPRESENTATIVE ONLY. ACTUAL PLUMBING FIXTURES MAY VARY.

C. COAT/ROBE HOOKS INDICATED ON THE BACK OF TOILET COMPARTMENT DOORS ARE PART OF THE TOILET COMPARTMENT ASSEMBLY AND ARE NOT CONSIDERED A TOILET ACCESSORY.



WATER CLOSET ELEVATIONS

3/4" = 1'-0"



N

1 A2.1 A7.1.1 **ENLARGED RESTROOM PLAN**

1/4" = 1'-0"

0" 1' 2' 4' 8'
1/4" = 1'-0"

0" 6" 1' 18" 2' 30"
3/4" = 1'-0"

MOSELEYARCHITECTS
997 MORRISON DRIVE SUITE 601, CHARLESTON, SC 29403
PHONE (843) 577-5063
MOSELEYARCHITECTS.COM

STATE OF SOUTH CAROLINA
MOSELEY ARCHITECTS P.C.
CHARLESTON, SC
02025
REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA
COREY E. MCCALLA
Charleston, SC
10800
REGISTERED ARCHITECT
03/28/2023

MAYO HIGH SCHOOL TOILET RENOVATION

DCSD SOLICITATION NO.: FAC2223-04
DARLINGTON COUNTY SCHOOL DISTRICT
405 CHESTNUT ST, DARLINGTON, SC 29532

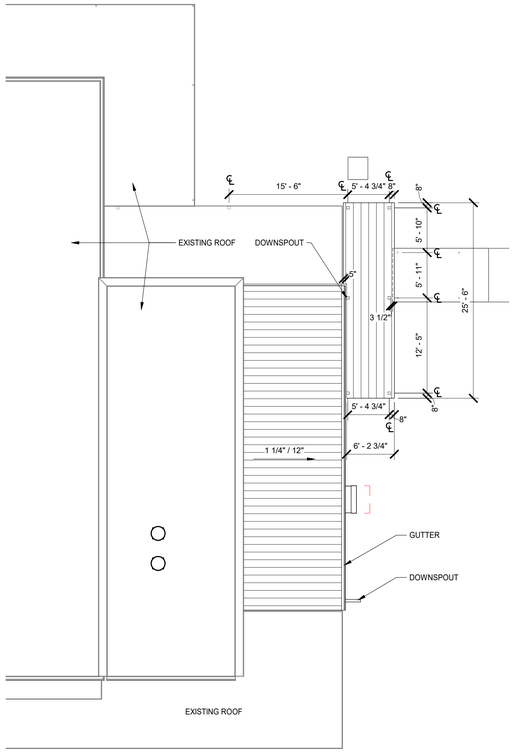
PROJECT NO: 624003
DATE: MARCH 28, 2023

REVISIONS	
DATE	DESCRIPTION

TOILET ASSEMBLIES, SCHEDULE AND ENLARGED PLANS

A7.1.1

3/27/2023 11:21:14 AM



5 ROOF PLAN
A5.1.1 A9.1 — 1/8" = 1'-0"

ROOF PLAN LEGEND

APPLIES TO DRAWINGS A10.1.1 - A10.1.n

REFER TO M, E & FP DRAWINGS FOR ROOF SYMBOLS NOT INDICATED BELOW

- 4'-0" / 4'-0" / 5'-0" UNO — PRIMARY ROOF DRAIN AND SUMP
- SECONDARY/EMERGENCY OVERFLOW (WHERE OCCURS)
- DS — GUTTER AND DOWNSPOUT (RECTANGULAR SHOWN, MAY BE ROUND IF SPECIFIED)
- ROOF ACCESS HATCH
- SCUPPER
- CRICKET
- WALKWAY PATH
- INDICATES DIRECTION OF ROOF ASSEMBLY SLOPE

ROOF PLAN GENERAL NOTES

A. ALL ROOF ASSEMBLIES: RFA1, UNO.

B. ROOF PLAN DOES NOT INDICATE ALL EQUIPMENT AND PENETRATIONS. REFER TO OTHER DISCIPLINE'S DRAWINGS FOR QUANTITIES AND LOCATIONS OF ROOFTOP EQUIPMENT AND ASSOCIATED PENETRATIONS.

C. COORDINATE LOCATION AND SIZE OF ROOF OPENINGS AND ASSOCIATED PENETRATIONS WITH STRUCTURE.

D. ROOF DETAILS MAY NOT ENTIRELY REPRESENT ACTUAL CONSTRUCTION CONDITIONS. ACTUAL DETAIL ASSEMBLIES SHALL BE APPROVED BY ROOFING MANUFACTURER.

E. ROOF PLAN DOES NOT INDICATE ALL ROOFING DETAILS (INCLUDING BUT NOT LIMITED TO ROOF DRAINS; VTR; CURBS; EXPANSION JOINTS; ROOF HATCHES). PROVIDE MFR'S DETAILS AS REQUIRED TO SUIT SPECIFIC APPLICATION AND SPECIFICATIONS.

F. PROVIDE CRICKETS AT DRAINS, WALLS, CURBS, MECHANICAL EQUIPMENT, AND OTHER OBSTRUCTIONS SUCH THAT 1/4" PER FOOT MINIMUM POSITIVE DRAINAGE SLOPE IS MAINTAINED AT ALL SUCH AREAS.

G. PROVIDE DOUBLE-LAYER OF MEMBRANE ROOFING MATERIAL UNDER SPLASH BLOCKS.

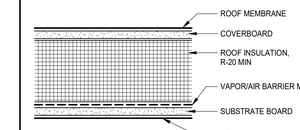
H. CENTER ALL PENETRATIONS BETWEEN RIBS OF METAL ROOFING. PIPING, DUCTWORK AND CURBS SHALL BE OFFSET AS REQUIRED TO ACHIEVE PENETRATIONS CENTERED BETWEEN RIBS.

ROOF ASSEMBLIES

APPLIES TO A10.1.n AND A10.2.n SERIES OF DRAWINGS
REPRESENTED BY n

MARK	FIRE RATED ASSEMBLY (REFER TO LS1.1 FOR LEGEND)	REMARKS	INFORMATION
RFA1	⬡		

ROOF ASSEMBLIES ARE SHOWN DIAGRAMMATICALLY. REFER TO SPECS FOR REQUIRED R-VALUE AND MATERIAL THICKNESS



REFLECTED CEILING PLAN LEGEND

APPLIES TO DRAWINGS A9.1.n - A9.1.n

REFER TO M, E & FP DRAWINGS FOR REFLECTED CEILING PLAN SYMBOLS NOT INDICATED BELOW

- A101 / nn'-nn" — SPACE NUMBER; CEILING HEIGHT, AFF UNO
- INTERIOR APPLICATIONS: GYPSUM BOARD CEILING
  EXTERIOR APPLICATIONS: GYPSUM SOFFIT BOARD OR GYPSUM SHEATHING
- 2'-0" x 2'-0" LAY-IN ACOUSTICAL CEILING PANELS IN SUSPENDED GRID
- 1 HR RATED HORIZONTAL SHAFT WALL ABOVE ACP CEILING
- 1'-0" x 1'-0" ACT ON 3/4" FRT PLYWOOD ON CFSF-S SUSPENDED FRAMING
- AP — ACCESS PANEL
- WITH OPENING — EXTERIOR WALL
- WITH OPENING — INTERIOR WALL/PARTITION TO UNDERSIDE OF DECK
- WITH OPENING — INTERIOR WALL/PARTITION TO CAP ABOVE OR TERMINATES ADJACENT TO A RATED HORIZONTAL ASSEMBLY
- WITH OPENING — INTERIOR WALL/PARTITION 4" MIN ABOVE HIGHEST ADJACENT CEILING. IF NECESSARY TO ACHIEVE RESULTS DESIRED, EXTEND WALL HEIGHT SO WALL BRACING IS NOT EXPOSED TO VIEW IN FINISHED SPACES
- INTERIOR WALL/PARTITION TO UNDERSIDE OF CEILING
- EXISTING TO REMAIN, VERIFY VERTICAL EXTENTS WHERE THE HEIGHT IMPACTS THE WORK

REFLECTED CEILING PLAN/DETAIL GENERAL NOTES

A. ALL CEILING HEIGHTS SHALL BE 9'-0" AFF UNLESS INDICATED OTHERWISE.

B. DRAWINGS INDICATE GRID LAYOUT DIAGRAMMATICALLY. REFER TO SPECIFICATIONS FOR SPECIFIC GRID LAYOUT CRITERIA AT PERIMETER CONDITIONS THAT MAY DIFFER FROM GRID LAYOUT INDICATED ON DRAWINGS.

C. CENTER CEILING MOUNTED ITEMS WITHIN CEILING PANELS, UNLESS INDICATED OTHERWISE.

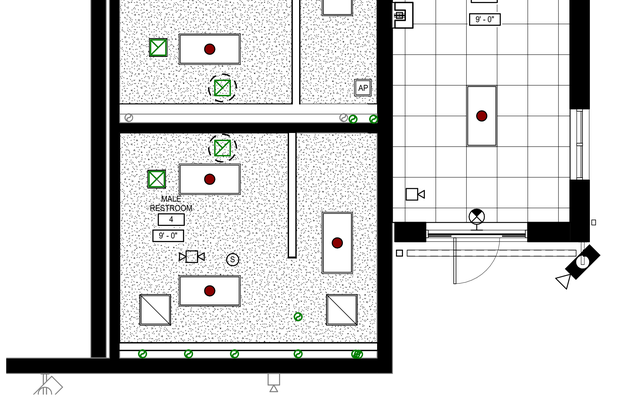
D. IF ADDITIONAL SPRINKLER HEADS ARE REQUIRED TO SATISFY CODE OR COVERAGE DENSITIES (OTHER THAN THOSE THAT MAY BE INDICATED), PROVIDE ADDITIONAL SPRINKLER HEADS AT NO ADDITIONAL COST AND OBTAIN APPROVAL OF ARCHITECT FOR LOCATION OF SUCH HEADS, IF ANY.

REFLECTED CEILING PLAN KEYNOTES

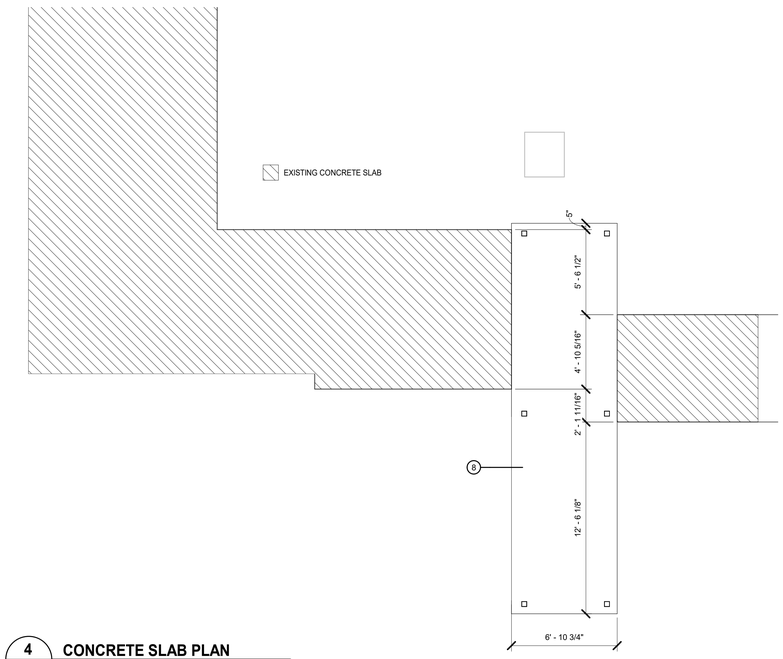
REPRESENTED BY n

APPLIES TO DRAWINGS A9.1.1

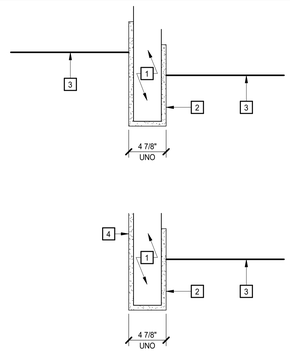
1	CFSF-S
2	5/8" GYP BD, TERMINATE 4" ABV FIN CLG
3	FIN CLG: FINISH AND/OR HEIGHT AFF VARIES
4	COLD FORM
5	STEEL FRAME



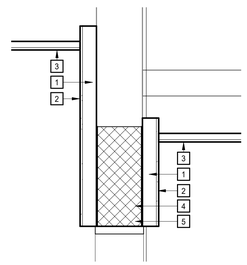
2 REFLECTED CEILING PLAN
A3.1.1 A9.1 — 1/4" = 1'-0"



4 CONCRETE SLAB PLAN
A2.1 A9.1 — 1/4" = 1'-0"



BULKHEAD DETAILS
NO SCALE



1 BULKHEAD DETAILS
A5.1.1 A9.1 — 3/4" = 1'-0"

0' 1' 2' 4' 8'
1/4" = 1'-0"

0' 2' 4' 8' 16'
1/8" = 1'-0"

MOSELEY ARCHITECTS
997 MORRISON DRIVE SUITE 601, CHARLESTON, SC 29403
PHONE (843) 577-5063
MOSELEYARCHITECTS.COM

STATE OF SOUTH CAROLINA — MOSELEY ARCHITECTS P.C. — CHARLESTON, SC 02025 — REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA — COREY E. MCCALLA — Charleston, SC 10800 — REGISTERED ARCHITECT — 03/28/2023

MAYO HIGH SCHOOL TOILET RENOVATION

DCSD SOLICITATION NO.: FAC2223-04
DARLINGTON COUNTY SCHOOL DISTRICT
405 CHESTNUT ST, DARLINGTON, SC 29532

PROJECT NO: 624003
DATE: MARCH 28, 2023

REVISIONS

DATE	DESCRIPTION

REFLECTED CEILING, CONCRETE SLAB, AND ROOF PLANS

A9.1

3/27/2023 11:21:15 AM

STRUCTURAL ABBREVIATIONS

AB	ANCHOR BOLT	HSS	HOLLOW STRUCTURAL SECTION
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL	HT	HEIGHT
AFF	ABOVE FINISHED FLOOR	ID	INSIDE DIAMETER
ALUM	ALUMINUM	IN	INCH
APPROX	APPROXIMATE	INFO	INFORMATION
ARCH	ARCHITECTURAL, ARCHITECT	INT	INTERIOR
AVG	AVERAGE	JBE	JOIST BEARING ELEVATION
BLDG	BUILDING	JS	JOIST SUBSTITUTE
BM	BEAM	JST	JOIST
BMC	BUILDING MOUNTED CANOPIES	JT	JOINT
BOT	BOTTOM	K	KIP
BRG	BEARING	LBS	POUNDS
BTWN	BETWEEN	LF	LINEAR FEET (FOOT)
CANT	CANTILEVER	LLH	LONG LEG HORIZONTAL
CFSF	COLD FORMED STEEL FRAMING	LLV	LONG LEG VERTICAL
CIP	CAST IN PLACE	M	METER(S)
CJ	CONTROL JOINT	MAS	MASONRY
CLG	CEILING	MATL	MATERIAL
CLR	CLEAR	MAX	MAXIMUM
CMU	CONCRETE MASONRY UNIT	MBMA	METAL BUILDING MANUFACTURER'S ASSOC
COL	COLUMN	MBS	METAL BULIDNG SYSTEM
CONC	CONCRETE	MECH	MECHANICAL
CONN	CONNECTION	MFR	MANUFACTURER
CONSTR	CONSTRUCTION	MIN	MINIMUM
CONT	CONTINUOUS	MM	MILLIMETER(S)
CTR	CENTER	NOM	NOMINAL
DBA	DEFORMED BAR ANCHOR	NS	NON SHRINK
DBL	DOUBLE	OC	ON CENTER
DIA	DIAMETER	OD	OUTSIDE DIAMETER
DIAG	DIAGONAL	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
DIM	DIMENSION	OPNG	OPENING
DN	DOWN	OPP	OPPOSITE
DWG	DRAWING	PAF	POWDER-ACTUATED FASTENERS
EA	EACH	PC CONC	PRECAST CONCRETE
EF	EACH FACE	PFBC	PRE-FABRICATED BUILDING COLUMN
EJ	EXPANSION JOINT	PLF	POUNDS PER LINEAR FOOT
EL	ELEVATION	POLY	POLYETHYLENE
ELECT	ELECTRICAL	PPT	PRESSURE PRESERVATIVE TREATED
ELEV	ELEVATOR	PSF	POUNDS PER SQUARE FOOT
EOD	EDGE OF DECK	PTFE	POLYTETRAFLUOROETHYLENE
EOS	EDGE OF SLAB	R	RADIUS
EQ	EQUAL	RD	ROOF DRAIN
EW	EACH WAY	REF	REFERENCE
EX	EXISTING	REINF	REINFORCING, REINFORCED
EXP	EXPANSION	REQ'D	REQUIRED
EXT	EXTERIOR	SIM	SIMILAR
FB	FIXED BASE	SL	SLOPE
FD	FLOOR DRAIN	SOG	SLAB ON GRADE
FDN	FOUNDATION	SPA	SPACES
FF	FINISHED FLOOR	SS	STAINLESS STEEL
FIN	FINISHED	STD	STANDARD
FLR	FLOOR	STIFF	STIFFENER
FOB	FACE OF BRICK	STRUCT	STRUCTURAL
FOC	FACE OF CONCRETE	SUSP	SUSPENDED
FOM	FACE OF MASONRY	SYM	SYMMETRY(RICAL)
FRMG	FRAMING	T&B	TOP AND BOTTOM
FRT	FIRE RETARDANT TREATED	T&G	TONGUE AND GROOVE
FT	FOOT	TF	TRANSFER FORCE
FTG	FOOTING	TOC	TOP OF CONCRETE
GA	GAGE	TOS	TOP OF STEEL
GALV	GALVANIZED	TOSL	TOP OF SLAB
GB	GRADE BEAM	TOW	TOP OF WALL
GC	GENERAL CONTRACTOR	TYP	TYPICAL
GRD	GRADE	UNO	UNLESS NOTED OTHERWISE
HD	HEADED	VB	VAPOR BARRIER
HK	HOOK	VERT	VERTICAL
HORIZ	HORIZONTAL	VR	VAPOR RETARDER
HS	HIGH STRENGTH	WP	WORK POINT
		WWF	WELDED WIRE FABRIC

PLAN LEGEND

℄	CENTERLINE
JBE (+X'-X")	JOIST BEARING ELEVATION
BP1, BP2 ...	BEAM BEARING PLATE
BP-A, BP-B ...	COLUMN BASE PLATE
H1, H2 ...	WOOD HEADER
J1, J2 ...	WOOD JOIST
T-1, T-2 ...	TRUSS
WP1, WP2 ...	WOOD POST
P-1, P-2 ...	CONCRETE PIER
JS	JOIST SUBSTITUTE
KCS	CONSTANT SHEAR JOIST
SP	SPECIAL JOIST
	WALL FOOTING STEP
-X'-X"	TOP OF FOOTING ELEVATION
WP	WORK POINT
(X'-X")	TOP OF SLAB ELEVATION
L1, L2 ...	LINTEL
X.X	COLUMN FOOTING
(+X'-X")	TOP OF STEEL BEAM ELEVATION
(J)	INDICATES TOP OF STRUCTURAL MEMBER SHALL BE IN SAME PLANE AS TOP OF JOIST
(SL)	INDICATES TOP OF STRUCTURAL MEMBER SHALL BE SLOPED
WFX.X	WALL FOOTING
	THICKENED SLAB
*	STEEL JOIST BOTTOM CHORD EXTENSION, WELDED
	STEEL BEAM MOMENT CONNECTION
(EX)	EXISTING
TF	TRANSFER FORCE
#5@48"	CMU WALL REINFORCING SIZE AND SPACING
	CHANGE IN SLAB ELEVATION
TCX	TOP CHORD EXTENSION

DESIGN LOAD DATA

1. CLASSIFICATION OF BUILDING
   RISK CATEGORY (IBC TABLE 1604.5) — III
2. FLOOR LIVE LOADS — UNIFORM / CONCENTRATED
   LOBBIES AND FIRST FLOOR CORRIDORS — 100 PSF / 1000 LB
   CONCENTRATED LOAD APPLIED OVER 2'-6" x 2'-6" AREA.
   REDUCTION OF FLOOR LIVE LOAD HAS NOT BEEN UTILIZED.
3. ROOF LIVE LOADS
   MINIMUM ROOF LIVE LOAD — 20 PSF / 300 LB
   CONCENTRATED LOAD APPLIED OVER 2'-6" x 2'-6" AREA.
   REDUCTION OF MINIMUM ROOF LIVE LOAD HAS NOT BEEN UTILIZED.
4. DEAD LOADS
   ROOF — 25 PSF
5. ROOF SNOW LOAD
   GROUND SNOW LOAD (Pg) — 10 PSF
   IMPORTANCE FACTOR (Is) — 1.10
   EXPOSURE FACTOR (Ce) — 1.0
   THERMAL FACTOR (Ct) — 1.1
   FLAT ROOF SNOW LOAD (Pf = 0.7 x Ce x Ct x Is x Pg) — 8.50 PSF
   MINIMUM Pf FOR Pg = 20 PSF OR LESS
   Pf min = I x Pg — 11 PSF
6. WIND DESIGN DATA
   ULTIMATE DESIGN WIND SPEED (3 SECOND GUST) — 133 MPH
   NOMINAL DESIGN WIND SPEED (3 SECOND GUST) — 104 MPH
   EXPOSURE — B
   INTERNAL PRESSURE COEFFICIENT (GCpi) — ±0.18 (ENCLOSED)
   COMPONENTS AND CLADDING WIND PRESSURE — PER IBC & ASCE7
7. SEISMIC DESIGN DATA
   SEISMIC DESIGN CATEGORY — C
   SEISMIC IMPORTANCE FACTOR (Ie) — 1.25
   SITE CLASS — D
   MAPPED SPECTRAL RESPONSE ACCELERATIONS
   (Ss) — 0.299
   (S1) — 0.109
   DESIGN SPECTRAL RESPONSE ACCELERATIONS
   (Sds) — 0.311
   (Sd1) — 0.173
   BASIC SEISMIC FORCE RESISTING SYSTEM: — A. BEARING WALL SYSTEM
   8. INTERMEDIATE REINFORCED MASONRY SHEAR WALLS
   B. BUILDING FRAME SYSTEM
   17. INTERMEDIATE REINFORCED MASONRY SHEAR WALLS
   RESPONSE MODIFICATION COEFFICIENT (R) — 3.5
   SYSTEM OVERSTRENGTH FACTOR — 2.5
   DEFLECTION AMPLIFICATION FACTOR — 4.00
   SEISMIC RESPONSE COEFFICIENT (Cs) — 0.111
   DESIGN BASE SHEAR (V = Cs x W) — 0.111W
   ANALYSIS PROCEDURE — EQUIVALENT LATERAL FORCE PROCEDURE

LEGEND FOR SECTION AND DETAIL MARKS

SECTION AND DETAIL (WHERE DRAWN)

1 / S2.1 / S4.2 / S2.2 / S2.3

- SECTION OR DETAIL NUMBER
- DRAWING NUMBER WHERE SECTION OR DETAIL IS DRAWN
- DRAWING NUMBER WHERE SECTION OR DETAIL IS CUT
- ADDITIONAL DRAWING NUMBERS WHERE SECTION OR DETAIL IS CUT

SECTION WHERE CUT

1 / S2.1

- SECTION NUMBER
- DRAWING NUMBER WHERE SECTION IS DRAWN

DETAIL WHERE CUT

A / S2.1

- DETAIL LETTER
- DRAWING NUMBER WHERE DETAIL IS DRAWN

STRUCTURAL MATERIALS LEGEND

- EARTH
- CAST IN PLACE CONCRETE
- CLAY BRICK
- HOLLOW CONCRETE BLOCK
- SPLIT-FACE CONCRETE BLOCK
- GROUT FILLED CONCRETE BLOCK
- PRECAST CONCRETE, CAST STONE
- POROUS FILL OR GRANULAR BASE COURSE

GENERAL

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE 2018 (IBC).
2. THE STRUCTURAL DRAWINGS ARE INTENDED TO BE USED IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS AND THE DRAWINGS OF THE OTHER ENGINEERING DISCIPLINES.
3. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUANTITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.
4. VERIFY AND COORDINATE MECHANICAL UNIT SUPPORTS AND OPENINGS WITH EQUIPMENT PURCHASED FOR THE PROJECT. COORDINATE REQUIREMENTS FOR SLEEVES, HANGERS, INSERTS, ANCHORS AND ALL OTHER ITEMS TO BE SET IN STRUCTURAL WORK.
5. SPECIAL INSPECTIONS ARE REQUIRED BY THE IBC, SECTION 1704. REFER TO THE STATEMENT OF SPECIAL INSPECTIONS PREPARED FOR THIS PROJECT AND THE PROJECT SPECIFICATIONS FOR SPECIFIC INSPECTION REQUIREMENTS. REFER TO DIVISION 1 FOR GENERAL INSPECTION REQUIREMENTS. SPECIAL INSPECTOR SHALL SUBMIT INSPECTION REPORTS IN COMPLIANCE WITH IBC SECTION 1704.2.4. USE OF "GENERAL CONFORMANCE" OR "GENERAL ACCORDANCE" IS UNACCEPTABLE.
6. CONTRACTOR SHALL CONDUCT PRE-INSTALL MEETINGS ON PROJECT SITE PRIOR TO COMMENCEMENT OF WORK. REFER TO PROJECT SPECIFICATIONS FOR SPECIFIC REQUIREMENTS. MEETINGS WILL BE LED BY GENERAL CONTRACTOR AND ATTENDANCE BY MOSELEY ARCHITECTS IS FOR INFORMATIONAL PURPOSES ONLY.

FOUNDATIONS

1. FOUNDATIONS ARE DESIGNED TO BEAR ON ORIGINAL UNDISTURBED SOIL OR CONTROLLED COMPACTED FILL WITH AN ALLOWABLE BEARING CAPACITY OF 1500 PSF, IN ACCORDANCE WITH TABLE 1806.2 OF THE INTERNATIONAL BUILDING CODE.
2. THE GEOTECHNICAL ENGINEER FOR THE OWNERS TESTING AGENCY SHALL VERIFY BEARING CAPACITY AND SUITABILITY OF SUBGRADE PRIOR TO PLACING FOUNDATIONS AND GRADE SLABS.
3. SELECT AND PLACE CONTROLLED COMPACTED FILL UNDER DIRECT SUPERVISION OF THE GEOTECHNICAL ENGINEER FOR THE OWNERS TESTING AGENCY. OPEN GRADED OR WASHED CRUSHED STONE, SUCH AS # 57 STONE, IS PROHIBITED AS A BEARING MATERIAL UNDER FOUNDATIONS AND SLABS ON GRADE.
4. FOOTING STEPS FOR UNDERSLAB UTILITIES INDICATED ON FOUNDATION PLANS SHALL BE CONSIDERED APPROXIMATE. COORDINATE FOOTINGS WITH ACTUAL LOCATION, SIZE AND INVERT OF ALL UNDERGROUND PIPE (AND CONDUIT). REFER TO "FOOTING STEP" DETAIL TO STEP WALL FOOTING DOWN TO ALLOW UNDERSLAB PIPING TO PASS ABOVE THE FOOTING. ALTERNATELY, REFER TO "FOOTING SLEEVE" AND "PIPE TRENCH BACKFILL AT FOOTING" DETAILS TO ALLOW UNDERSLAB PIPING TO PASS BELOW THE TOP OF THE WALL FOOTING.
5. AVOID INFLUENCE OF PIPE TRENCH PARALLEL TO WALL FOOTING AND / OR ADJACENT TO COLUMN FOOTING. REFER TO "FOOTING EXCAVATION LIMITS".
6. PROTECT FOOTINGS AND GRADE SLABS FROM FROST HEAVE UNTIL BUILDING IS PERMANENTLY ENCLOSED.
7. BRACE WALLS PLUMB WHICH ARE SUBJECTED TO UNBALANCED BACKFILL UNTIL PERMANENTLY STABILIZED BY STRUCTURE.

CONCRETE

1. ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" AND ACI 301 "STANDARD SPECIFICATIONS FOR STRUCTURAL CONCRETE".
2. CONCRETE SHALL BE NORMAL WEIGHT AND SHALL OBTAIN ULTIMATE 28 DAY COMPRESSIVE STRENGTHS (F'c), AS FOLLOWS:

CONCRETE MATERIAL SCHEDULE (NOTE 11)

BUILDING ELEMENT	DURABILITY REQUIREMENTS CATEGORIES AND CLASSES (NOTE 3)				f'c (psi) 28 DAY STRENGTH	MAX W/C (NOTE 4)	AIR ENTRAINMENT (NOTE 5)	UNIT WEIGHT PCF (NOTE 6)	MAX AGGREGATE (NOTE 7 & 9)	CEMENT (ASTM C150)	CL % (NOTE 10)
	(F)	(S)	(W)	(C)							
SPREAD FOOTINGS AND WALL FOOTINGS	F1	S0	W0	C1	3,500	0.55	5.0	145	3/4"	II	0.30
INTERIOR SLABS ON GRADE	F0	S0	W0	C0	3,500	0.50	N/A	145	3/4"	I / II	0.30
FLOWABLE FILL	F0	S0	W0	C0	1,250	N/A	N/A	145	N/A	N/A	0.30
EXTERIOR SLABS ON GRADE	F2	S0	W0	C1	4,500	0.40	6.0	145	3/4"	I / II	0.30

3. THE DURABILITY EXPOSURE CLASS IDENTIFIED BY THE ENGINEER OF RECORD, IN ACCORDANCE WITH ACI 318, FOR EACH MIX DESIGN/BUILDING ELEMENT AND EXPOSURE CLASS, IS BASED ON ASSUMED SEVERITY OF THE ANTICIPATED EXPOSURE. IF THE CONCRETE IS TO BE INSTALLED IN A LOCATION OR CONDITION THAT IS MORE SEVERE THAN THE EXPOSURE IDENTIFIED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR ADJUST THE CONCRETE MIX REQUIREMENTS AS REQUIRED PER ACI 318.
   A. EXPOSURE CATEGORIES:
   - (F) FREEZE/THAW
   - (S) SULFATE
   - (W) WATER/PERMEABILITY
   - (C) CORROSION PROTECTION
4. MAX W/C REFERS TO MAXIMUM WATER TO CEMENTITIOUS MATERIALS RATIO. MIXING WATER SHALL CONFORM TO ASTM C1602.
5. TARGET AIR ENTRAINMENT, ±1.5%.
6. DRY UNIT WEIGHT ±5 PCF. AGGREGATES TO CONFORM TO ASTM C33 FOR NORMAL WEIGHT CONCRETE (NWC) AND ASTM C330 FOR LIGHT WEIGHT CONCRETE (LWC).
7. CONCRETE BUILDING ELEMENTS IDENTIFIED WITH EXPOSURE CATEGORY F3 REQUIRE LIMITATIONS ON CEMENTITIOUS MATERIALS AS FOLLOWS:
   - CEMENTITIOUS MATERIAL — MAX % OF TOTAL CEMENTITIOUS MATERIALS BY MASS
   - FLY ASH (ASTM C618) — 25
   - SLAG CEMENT (ASTM C989) — 50
   - SILICA FUME (ASTM C1240) — 10
   - TOTAL FLY ASH, OTHER POZZOLANS AND SILICA FUME — 35
   - TOTAL FLY ASH, OTHER POZZOLANS, SILICA FUME AND SLAG — 50
8. REQUIRED COMPRESSIVE STRENGTH OF STRUCTURAL PRECAST CONCRETE SHALL BE DETERMINED BY THE PRECAST CONCRETE MANUFACTURER'S ENGINEER, WITH THE MINIMUM COMPRESSIVE STRENGTH AS NOTED IN THE TABLE.
9. COMBINED AGGREGATE GRADING SHALL BE AS FOLLOWS:
   - FOR COARSE AGGREGATE WITH 1 1/2" NOMINAL MAXIMUM AGGREGATE SIZE, 8% TO 18% (BY WEIGHT) OF AGGREGATE SHALL BE RETAINED ON EACH SIEVE BELOW THE MAXIMUM AGGREGATE SIZE SIEVE AND ABOVE THE #100 SIEVE.
   - FOR COARSE AGGREGATE WITH 3/4" OR 1" NOMINAL MAXIMUM AGGREGATE SIZE, 8% TO 22% (BY WEIGHT) OF AGGREGATE SHALL BE RETAINED ON EACH SIEVE BELOW THE MAXIMUM AGGREGATE SIZE SIEVE AND ABOVE THE #100 SIEVE.
10. MAX WATER SOLUBLE CHLORIDE ION CONTENT PERCENTAGE, BY WEIGHT OF CEMENT.
11. CONCRETE MIXTURE PROPORTIONS SHALL BE ESTABLISHED IN ACCORDANCE WITH ARTICLE 4.2.3 OF ACI 301 OR BY AN ALTERNATIVE METHOD ACCEPTABLE TO THE ENGINEER OF RECORD. EACH MIX DESIGN SHALL IDENTIFY THE INTENDED LOCATION OF USE.
12. ALL EXTERIOR CONCRETE SHALL BE AIR-ENTRAINED.
13. REINFORCING STEEL SHALL BE AS FOLLOWS:
   - REINFORCING BARS: — ASTM A615, GRADE 60, DEFORMED
   - WELDED WIRE FABRIC: — ASTM A1064, SHEET TYPE ONLY
   - WELDABLE REINFORCING BARS: — ASTM A706 LOW ALLOW STEEL REINFORCING BARS, DEFORMED
   - DEFORMED BAR ANCHORS (DBA) — ASTM A1064, DEFORMED
   - WELDING PER AWS D1.4 STRUCTURAL WELDING CODE - REINFORCING STEEL
14. MINIMUM CONCRETE COVER OVER REINFORCING SHALL BE UNO:
   A. UNFORMED SURFACE CAST AGAINST EARTH — 3 IN
   B. FORMED SURFACE EXPOSED TO EARTH/WEATHER — 2 IN
   C. FORMED SLABS AND WALLS NOT EXPOSED TO EARTH/WEATHER FOR #11 AND SMALLER BAR — 3/4 IN
   D. ALL OTHER FORMED ELEMENTS NOT EXPOSED TO EARTH/WEATHER — 1 1/2 IN
15. REFER TO DRAWING S3.0.1 FOR REINFORCING BAR LAP LENGTHS.

FIBER REINFORCING

1. SYNTHETIC MACRO-FIBER REINFORCING MAY BE SUBSTITUTED FOR WELDED WIRE FABRIC IN SLAB ON GRADE. SYNTHETIC FIBERS SHALL CONFORM TO ASTM C1116 TYPE III, 1 TO 2 1/4 INCH LONG. STEEL FIBER REINFORCING MAY BE SUBSTITUTED FOR WELDED WIRE FABRIC IN SLAB-ON-GRADE. STEEL FIBERS SHALL BE TYPE II, 1" LONG, CONTINUOUSLY DEFORMED, WITH AN ASPECT RATIO OF 43.
2. DOSAGE RATE SHALL COMPLY WITH MANUFACTURER'S RECOMMENDATIONS BUT NO LESS THAN 4 LB/CUBIC YARD MINIMUM.
3. FIBER SHALL BE ADDED AT THE CONCRETE BATCH PLANT.
4. FIBER SHALL BE INCLUDED IN THE CONCRETE MIX DESIGNS SUBMITTED FOR REVIEW.

FLOWABLE FILL

1. CONTROLLED LOW STRENGTH MATERIAL (CLSM), ALSO REFERRED TO AS FLOWABLE FILL, MAY BE SUBMITTED FOR APPROVAL AS A SUBSTITUTE FOR COMPACTED FILL AT FOUNDATION UNDERCUT LOCATIONS. THE CLSM MIXTURE SHALL BE PROPORTIONED TO PRODUCE AN UNCONFINED COMPRESSIVE STRENGTH OF 100 PSI MINIMUM TO 300 PSI MAXIMUM.

STEEL JOISTS

1. ALL STEEL JOIST WORK SHALL CONFORM TO THE LATEST EDITION OF THE STEEL JOIST INSTITUTE (SJI) STANDARD SPECIFICATIONS.
2. STEEL JOISTS SHALL BE DESIGNED USING ALLOWABLE STRENGTH DESIGN (ASD), AND SHALL BE MANUFACTURED WITH STEEL HAVING A MINIMUM YIELD STRENGTH OF 50 KSI.
3. PROVIDE JOIST BRIDGING IN ACCORDANCE WITH SJI SPECIFICATIONS, OSHA REQUIREMENTS, AND AS REQUIRED BY JOIST DESIGN.
4. ROOF JOISTS AND BRIDGING SHALL BE DESIGNED FOR UPLIFT INDICATED ON ROOF WIND PRESSURE DIAGRAM ON DRAWING S4.0.2.
5. SPECIAL JOISTS, INDICATED "SP" ON FRAMING PLANS, SHALL BE DESIGNED FOR CRITERIA INDICATED.
6. DETAILING AND ERECTION OF OPEN WEB STEEL JOISTS SHALL COMPLY WITH OSHA REQUIREMENTS.
7. STEEL ROOF JOISTS SHALL BE PROVIDED WITH NO CAMBER.
8. DESIGN ALL JOISTS (K, KCS, LH) FOR A 500 LB CONCENTRATED LOAD (SERVICE LOAD) AT ANY ONE PANEL POINT ALONG THE JOIST, UNLESS NOTED OTHERWISE. THIS IS REFERRED TO AS AN "ADD-LOAD."
9. K-SERIES JOISTS SHALL BE DESIGNED FOR ADDITIONAL BENDING STRESSES RESULTING FROM A 200 POUND CONCENTRATED DEAD LOAD LOCATED AT ANY LOCATION ALONG TOP AND BOTTOM CHORD IN ADDITION TO ALL OTHER LOADS. THIS IS REFERRED TO AS A "BEND CHECK."
10. KCS AND LH SERIES JOISTS SHALL BE DESIGNED FOR ADDITIONAL BENDING STRESSES RESULTING FROM A 500 POUND CONCENTRATED DEAD LOAD LOCATED AT ANY LOCATION ALONG TOP AND BOTTOM CHORD IN ADDITION TO ALL OTHER LOADS. THIS IS REFERRED TO AS A "BEND-CHECK".
11. REFER TO "TYPICAL CONCENTRATED LOAD ON STEEL JOIST" DETAIL FOR REQUIREMENTS REGARDING PIPE HANGERS AND OTHER EQUIPMENT LOADS.
12. STEEL JOISTS EXPOSED TO WEATHER IN THE FINISHED WORK SHALL BE PAINTED WITH A ZINC RICH TNEMEC PAINT THAT MEETS THE REQUIREMENTS OF ASTM D 520 TYPE III.
13. COORDINATE SUPPORT OF SPRINKLER PIPING, INCLUDING MAINS, WITH JOIST MANUFACTURER. SPRINKLER MANUFACTURER SHALL OBTAIN A LETTER FROM THE JOIST MANUFACTURER VERIFYING THAT THE PIPE HANGER LOCATION AND LOADS HAVE BEEN PROVIDED FOR THEIR USE. THIS LETTER SHALL BE SUBMITTED TO THE ARCHITECT WITH THE SPRINKLER SUBMITTAL PACKAGE. IF LOCATIONS OF THE MAINS ARE ALTERED FROM THE INFORMATION PROVIDED BY THE SPRINKLER MANUFACTURER TO THE JOIST MANUFACTURER, ADDITIONAL FRAMING SHALL BE ADDED TO PROVIDE ADEQUATE SUPPORT FOR THE PIPING LOADS AT NO COST TO THE OWNER.

STEEL DECK

1. ALL STEEL DECK WORK SHALL CONFORM TO THE LATEST EDITION OF THE STEEL DECK INSTITUTE (SDI) "DESIGN MANUAL FOR COMPOSITE DECKS, FORM DECKS AND ROOF DECKS", AND AMERICAN IRON AND STEEL INSTITUTE (AISI) "SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS".
2. WELDING SHALL BE IN ACCORDANCE WITH AWS D1.3, "STRUCTURAL WELDING CODE - SHEET STEEL".
3. PERMANENT LOADS SHALL NOT BE SUSPENDED FROM STEEL ROOF DECK UNLESS APPROVED BY ENGINEER OF RECORD.
4. STEEL DECK UP TO 2" DEEP SHALL BE INSTALLED WITH A MINIMUM OF 3 CONTINUOUS SPANS, UNLESS NOTED OTHERWISE. STEEL DECK 3" DEEP AND GREATER SHALL BE INSTALLED WITH A MINIMUM OF 2 CONTINOUS SPANS, UNLESS NOTED OTHERWISE. ANY LOCATIONS NOT MEETING THESE CONDITIONS SHALL BE SPECIFICALLY IDENTIFIED ON THE STEEL DECK SHOP DRAWINGS.

STRUCTURAL STEEL

1. ALL STRUCTURAL STEEL WORK SHALL CONFORM TO THE FOLLOWING AISC DOCUMENTS:
   AISC 360 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS"
   AISC 303 "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES"
   RCSC'S "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS"
2. STRUCTURAL STEEL SHALL COMPLY WITH THE FOLLOWING SPECIFICATIONS:

WIDE FLANGE SHAPES AND ANGLES	ASTM A992 (FY=50 KSI)
MISCELLANEOUS SHAPES, PLATES & BARS (TO 8" THICK)	ASTM A36 (FY=36 KSI)
HOLLOW STRUCTURAL SECTIONS (HSS)	
SQUARE & RECTANGLE	ASTM A500, GRADE C (FY=50 KSI)
ROUND	ASTM A500 GRADE C (FY=46 KSI)
HIGH STRENGTH BOLTS (CONVENTIONAL)	ASTM F3125 GRADE A325 OR A490 (TYPE 1)
WASHERS	ASTM F436 (FLAT AND BEVELED)
HEAVY HEX NUTS	ASTM A563
TWIST OFF TENSION CONTROL BOLTS	ASTM F3125 GRADE F1852 OR F2280 (TYPE 1)
COMPRESSIBLE-WASHER DIRECT-TENSION INDICATORS	ASTM F959 (TYPE 325 OR 490)
ANCHOR RODS	ASTM F1554, GRADE 36
WELDING ELECTRODES	E70 (LOW HYDROGEN)
HEADED SHEAR STUDS	AWS D1.1 CLAUSE 9, TYPE B (FY=51 KSI)
THREADED ROD	ASTM A36

3. UNLESS NOTED OTHERWISE, CONNECTIONS SHALL BE DESIGNED IN ACCORDANCE WITH AISC MANUAL OF STEEL CONSTRUCTION, AS SIMPLE CONNECTIONS USING ALLOWABLE STRENGTH DESIGN (ASD). CONNECTIONS FOR BEAMS SHALL BE DESIGNED FOR THE FORCES INDICATED ON THE PLANS. ALL CONNECTIONS SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF SOUTH CAROLINA. ENGINEERING CALCULATIONS SHALL BE SUBMITTED FOR ALL CONNECTIONS.
4. BOLTED JOINTS SHALL BE "SNUG TIGHTENED", UNLESS OTHERWISE INDICATED.
5. WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1 "STRUCTURAL WELDING CODE - STEEL".
6. WHERE STRUCTURAL STEEL IS EXPOSED BELOW GRADE, PROVIDE MINIMUM 3" CONCRETE COVER OR COAT WITH BITUMINOUS MASTIC.
7. STRUCTURAL STEEL EXPOSED TO WEATHER IN THE FINISHED WORK SHALL BE HOT DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A123, UNLESS NOTED OTHERWISE.

TEMPORARY SHORING

1. PROVIDE TEMPORARY SHORING AND BRACING TO MAINTAIN THE EXISTING STRUCTURE IN PROPER ALIGNMENT UNTIL PERMANENT CONSTRUCTION AND LATERAL BRACING IS IN PLACE.
2. CAREFULLY EVALUATE THE SITUATION WHICH EXISTS PRIOR TO COMMENCEMENT OF WORK. NOTIFY THE ARCHITECT IF ANY CONDITIONS ARE DETECTED WHICH MAY AFFECT THE STABILITY OF THE EXISTING STRUCTURE OR THE SHORING.
3. MONITOR THE PERFORMANCE OF THE TEMPORARY SHORING AT ALL TIMES DURING THIS WORK AND HAVE ADDITIONAL SHORING READILY AVAILABLE ON SITE IN THE EVENT OF DEFLECTION OR OTHER MOVEMENT OF THE SHORING.
4. DESIGN OF TEMPORARY SHORING SHALL BE PROVIDED BY THE CONTRACTOR. DESIGN CALCULATIONS AND SHORING DRAWINGS SHALL BE SUBMITTED FOR REVIEW AND SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF SOUTH CAROLINA.

CONCRETE MASONRY (CMU)

1. ALL MASONRY WORK SHALL CONFORM TO THE REQUIREMENTS OF TMS 402 "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES WITH COMMENTARY" AND TMS 402 "SPECIFICATIONS FOR MASONRY STRUCTURES WITH COMMENTARY".
2. NET AREA COMPRESSIVE STRENGTH OF CONCRETE MASONRY(F'm), SHALL BE 2000 PSI, DETERMINED IN ACCORDANCE WITH THE UNIT STRENGTH METHOD PER TMS 402, UNLESS NOTED OTHERWISE.
3. CONCRETE MASONRY UNITS (CMU) SHALL CONFORM TO ASTM C90, AND SHALL BE MADE WITH LIGHTWEIGHT AGGREGATE.
4. MORTAR FOR CMU SHALL CONFORM TO ASTM C270, TYPE S, UNLESS NOTED OTHERWISE.
5. GROUT SHALL CONFORM TO ASTM C476 AND SHALL BE PROPORTIONED TO OBTAIN MINIMUM ULTIMATE 28 DAY COMPRESSIVE STRENGTH OF 2500 PSI.
6. PLACE GROUT IN ACCORDANCE WITH TMS 402. ALLOW A MINIMUM OF 24 HOURS FOR MASONRY TO SET PRIOR TO PLACING GROUT. HIGH LIFT GROUTING IS PROHIBITED.
7. FILL COLLAR JOINTS OF COMPOSITE WALLS SOLID WITH MORTAR AS THE WALLS PROGRESS. BOND WYTHES OF COMPOSITE WALLS TOGETHER USING HORIZONTAL JOINT REINFORCING @ 16" ON CENTER, UNLESS NOTED OTHERWISE.
8. PROVIDE VERTICAL REINFORCING STEEL OF SIZE AND SPACING INDICATED. LAP SPLICE LENGTHS SHALL BE AS FOLLOWS:
   #4 BAR AND SMALLER — 26 INCHES
   #5 BAR — 34 INCHES
   #6 BAR — 40 INCHES
   #7 BAR — 46 INCHES
9. PROVIDE POSITIONERS TO HOLD VERTICAL WALL REINFORCING STEEL IN PROPER ALIGNMENT.
10. REINFORCING STEEL SHALL COMPLY WITH ASTM A615, GRADE 60.
11. DO NOT PLACE CONDUIT IN CELLS CONTAINING STRUCTURAL REINFORCING.
12. NO SWITCHES OR BOXES WITHIN 20 INCHES OF A DOOR JAMB.
13. REINFORCING AND CONDUIT SHALL BE SEPARATED A MINIMUM OF 1 INCH WHEN THEY INADVERTENTLY OCCUR WITHIN THE SAME CMU CELL.
14. MASONRY WALLS OF HOLLOW UNITS WHICH CHANGE THICKNESS SHALL HAVE A CONTINUOUS GROUT FILLED COURSE BELOW THE TRANSITION. IF WALL THICKNESS IS GREATER ABOVE THE TRANSITION, THE COURSE ABOVE THE TRANSITION SHALL ALSO BE GROUTED SOLID.
15. FILL CMU CELLS WITH GROUT FROM TOP OF FOOTING TO TOP OF SLAB-ON-GRADE ELEVATION.
16. MASONRY WALL CONTROL JOINTS ARE NOT INDICATED ON THE STRUCTURAL DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS FOR JOINT LOCATIONS AND DETAILS. COORDINATE JOINT LOCATIONS TO AVOID BEAM BEARING LOCATIONS AND SHEAR WALLS. DO NOT BREAK BOND BEAM REINFORCEMENT AT CONTROL JOINTS.

COLD FORMED STEEL FRAMING

1. ALL STRUCTURAL COLD FORMED STEEL FRAMING (CFSF) SHALL COMPLY WITH AISI'S "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS".
2. CFSF-S (STRUCTURAL): INCLUDES ALL EXTERIOR WALLS, SOFFITS, BULKHEADS, TRUSSES, RAFTERS, JOISTS AND CEILING JOISTS (IF SELF-SUPPORTING). PROVIDE ENGINEERING DESIGN OF ALL CFSF-S, AND SUBMIT DESIGN CALCULATIONS, ERECTION DRAWINGS AND DETAIL DRAWINGS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF SOUTH CAROLINA REFER TO SECTION 054000 FOR ADDITIONAL INFORMATION.
3. CFSF-NS (NON-STRUCTURAL): INCLUDES INTERIOR NON-LOAD BEARING STUD WALLS AND SUSPENDED CEILING FRAMING SYSTEM. REFER TO DIVISION 09 FOR ADDITIONAL INFORMATION.
4. ALL FRAMING MEMBERS, BRIDGING AND ACCESSORIES SHALL BE FORMED FROM STEEL SHEET HAVING A GALVANIZED COATING IN ACCORDANCE WITH ASTM A653.
5. ALL C - SHAPED FRAMING MEMBERS SHALL HAVE A MINIMUM FLANGE WIDTH OF 1 5/8 INCHES.
6. MINIMUM YIELD STRENGTH SHALL BE AS FOLLOWS:
   FY = 33,000 PSI — 33 MILS AND 43 MILS
   FY = 50,000 PSI — 54 MILS, 68 MILS AND 97 MILS

POST INSTALLED ANCHORS & DOWELS

1. INSTALL ALL ANCHORS IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED PROCEDURES AT NOT LESS THAN THE MINIMUM EDGE DISTANCES INDICATED IN THE MANUFACTURER'S LITERATURE. SUBMIT MANUFACTURER'S PRODUCT DATA FOR REVIEW BY THE ARCHITECT.
2. ALL ANCHORS (INCLUDING THREADED RODS, NUTS, WASHERS) SHALL BE ZINC PLATED IN ACCORDANCE WITH ASTM B633, FOR SERVICE CONDITION SC-1.
3. SCREW ANCHORS SHALL BE ONE OF THE FOLLOWING:

   SCREW-BOLT +, BY DEWALT
   TITEN HD, BY SIMPSON STRONG-TIE ANCHORING SYSTEMS
   KWIK HUS-EZ, BY HILTI

   HOLE DIAMETER THROUGH STEEL MEMBER SHALL BE 1/8 INCH LARGER THAN NOMINAL DIAMETER OF ANCHOR.

   MINIMUM SCREW ANCHOR EMBEDMENTS SHALL BE AS FOLLOWS, UNO:
   4" EMBEDMENT FOR 1/2" DIAMETER ANCHOR
   5" EMBEDMENT FOR 5/8" DIAMETER ANCHOR
   6" EMBEDMENT FOR 3/4" DIAMETER ANCHOR
4. ADHESIVE ANCHORS SHALL CONSIST OF THREADED ROD (ASTM A36), HEX NUT (ASTM A563), WASHER (ASTM F436), AND ADHESIVE (TYPE PER NOTES A, B OR C BELOW).

   ADHESIVE DOWELS SHALL CONSIST OF DEFORMED REINFORCING BAR (ASTM A615, GRADE 60) AND ADHESIVE (TYPE PER NOTE A BELOW)

   A. "ADHESIVE ANCHORS" OR "ADHESIVE DOWELS" INSTALLED IN SOLID CONCRETE SHALL UTILIZE ONE OF THE FOLLOWING ADHESIVE SYSTEMS, OR APPROVED EQUAL:

   HYBRID (FAST CURE)

   AC200+ BY DEWALT
   ACRYLIC-TIE XP, BY SIMPSON STRONG-TIE ANCHORING SYSTEMS
   HIT-HY 200-V3, BY HILTI

   EPOXY (SLOW CURE)

   PURE 110+, BY DEWALT
   SET-XP, BY SIMPSON STRONG-TIE ANCHORING SYSTEMS
   HIT RE 500-V3 EPOXY ADHESIVE, BY HILTI

   B. "ADHESIVE ANCHORS" INSTALLED IN SOLID GROUT FILLED CMU SHALL UTILIZE ONE OF THE FOLLOWING ADHESIVE SYSTEMS, OR APPROVED EQUAL:

   HIT-HY 270, BY HILTI
   AC 100+ GOLD, BY DEWALT
   ACRYLIC-TIE, BY SIMPSON STRONG-TIE ANCHORING SYSTEMS

   C. "SCREEN TUBE ANCHORS" INSTALLED IN HOLLOW CMU SHALL UTILIZE ONE OF THE FOLLOWING ADHESIVE SYSTEMS, OR APPROVED EQUAL:

   HIT-HY 270, BY HILTI
   AC 100+ GOLD, BY DEWALT
   ACRYLIC-TIE, BY SIMPSON STRONG-TIE ANCHORING SYSTEMS

   BASIS OF DESIGN INCLUDES THE FOLLOWING DESIGN PARAMETERS:
   (1) CRACKED CONCRETE
   (4) ALLOWABLE WITH HAMMER-DRILL, HOLLOW DRILL BIT SYSTEM, AND CORE DRILLING METHODS
   (5) CURRENT ICC-ES REPORT WITH APPROVAL FOR DEVELOPMENT OF BAR USING ACI PROVISIONS FOR EMBEDMENT DEPTHS GREATER THAN 20 BAR DIAMETERS

   INSTALL ANCHORS PER THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS, AS INCLUDED IN THE ANCHOR PACKAGING.

   OVERHEAD ADHESIVE ANCHORS SHALL BE INSTALLED USING A PISTON PLUG SYSTEM.

   FOR PROJECTS MEETING IBC 2012 OR LATER, ACI/CRSI ADHESIVE ANCHOR INSTALLER CERTIFICATION IS REQUIRED FOR ALL INSTALLERS OF ADHESIVE ANCHORS IN HORIZTONAL OR UPWARDLY INCLINED ORIENTATION. THE HILTI ADHESIVE ANCHOR INSTALLER CERTIFICATION PROGRAM (HAAICP) IS AN APPROVED EQUIVALENT.

   THE CONTRACTOR SHALL ARRANGE AN ANCHOR MANUFACTURER'S REPRESENTATIVE TO PROVIDE ONSITE INSTALLATION TRAINING FOR ALL ANCHOR PRODUCTS SPECIFIED. THE STRUCTURAL ENGINEER OF RECORD SHALL RECEIVE DOCUMENTED CONFIRMATION THAT ALL PERSONNEL WHO INSTALL ANCHORS ARE TRAINED PRIOR TO THE COMMENCEMENT OF ANCHOR INSTALLATION.

   EXISTING REINFORCING BARS IN THE CONCRETE STRUCTURE MAY CONFLICT WITH SPECIFIC ANCHOR LOCATIONS. UNLESS NOTED ON THE DRAWINGS THAT THE BARS CAN BE CUT, THE CONTRACTOR SHALL REVIEW THE EXISTING STRUCTURAL DRAWINGS AND SHALL UNDERTAKE TO LOCATE THE POSITION OF THE REINFORCING BARS AT THE LOCATIONS OF THE CONCRETE ANCHORS BY GPR, X-RAY, CHIPPING OR OTHER APPROVED METHODS.

RENOVATION

1. EXISTING CONSTRUCTION INDICATED ON THE STRUCTURAL DRAWINGS IS BASED ON INFORMATION OBTAINED FROM THE ORIGINAL DESIGN DRAWINGS AND ON LIMITED OBSERVATIONS OF EXISTING CONDITIONS. THIS INFORMATION, INCLUDING STRUCTURAL COMPONENT TYPE, SIZE AND ORIENTATION HAS NOT BEEN CONFIRMED IN ALL CASES, AND MAY NOT MATCH "AS-BUILT" EXISTING CONSTRUCTION. ALL EXISTING CONDITIONS AND DIMENSIONS RELATING TO THE NEW WORK SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO FABRICATION AND CONSTRUCTION OF STRUCTURAL ELEMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.
2. EXISTING CONSTRUCTION IS INDICATED USING A LIGHTER LINE WEIGHT THAN NEW CONSTRUCTION IN PLANS AND SECTIONS.

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

SOUTH CAROLINA CERTIFICATE OF AUTHORIZATION — MOSELEY ARCHITECTS No. 3983

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER — No. 27310 — STEVEN M. COOKE
3-28-2023

MAYO HIGH SCHOOL TOILET RENOVATION

DCSD SOLICITATION NO.: FAC2223-04
DARLINGTON COUNTY SCHOOL DISRICT
100 MAGNOLIA ST, DARLINGTON, SC 29532

PROJECT NO:	624003
DATE:	MARCH 28, 2023
REVISIONS	
DATE	DESCRIPTION

GENERAL NOTES AND LEGENDS

S0.0.1

3/27/2023 11:29:41 AM

SCHEDULE OF SPECIAL INSPECTIONS - 2018 IBC

Inspections & Testing	Continuous	Periodic	Y / N	Reference Standard or Compliance Document	Agent
Inspection Agents					
1. Special Inspector of Record (SIOR):					
2. Structural Engineer of Record (SEOR):					
3. Steel Fabricator's Quality Control Inspector:					
Abbreviations Legend					
O - Observe - The inspector shall observe these items on a random basis.					
P - Perform - These tasks shall be performed for each welded or bolted joint.					
1704.2.4 Report Requirement					
Special inspector to keep record of special inspections and furnish inspection reports to the building official and to the Registered Design Professional in responsible charge.	●		Y	IBC 1704.2.4	1
1704.2.5 Inspection of Fabricated Items					
Work done in fabricator shop requires inspection unless the fabricator is registered and approved in accordance with 1704.2.5.1. Where fabricator is approved, **provide fabricator certification document.**		●	Y	1704.2.5	1, 3
At completion of fabrication, submit certificate of compliance to building official stating the work was performed in accordance with the approved construction documents.		●	Y	1704.2.5.1	1
1704.4 Contractor Responsibility					
Each contractor responsible for the construction of a main wind- or seismic force resisting system, designated seismic system or a wind- or seismic-resisting component listed in the statement of special inspections shall submit a written statement of responsibility.		●	Y	1704.4	
1704.5 Submittals to the Building Official					
Certificates of compliance for the fabrication of structural, load-bearing or lateral load-resisting members or assemblies on the premises of a registered and approval fabricator in accordance with Section 1704.2.5.1	●		Y	1704.5 1704.2.5.1	2, 3
Certificates of compliance for the seismic qualification of nonstructural components, supports and attachments in accordance with Section 1705.13.2	●		Y	1704.5 1705.13.2	2, 3
Certificates of compliance for designated seismic systems in accordance with Section 1705.13.3	●		Y	1704.5 1705.13.3	2, 3
Reports of preconstruction tests for shotcrete in accordance with Section 1908.5	●		N	1704.5, 1908.5	1, 2
Certificates of compliance for open web steel joist and joist girders in accordance with Section 2207.5	●		Y	1704.5, 2207.5	2, 3
Reports of material properties verifying compliance with the requirements of AWS D1.4 for weldability as specified in Section 26.5.4. of ACI 318 for reinforcing bar in concrete complying with a standard other than ASTM A 706 that are to welded	●		N	1704.5, AWS D1.4 26.6.4 of ACI 318 ASTM A 706	1, 2
Reports of mill tests in accordance with Section 20.2.2.5 of ACI 318 for reinforcing bars complying with ASTM A 615 and used to resist earthquake-induced flexural or axial forces in the special moment frames, special structural walls or coupling beams connecting special structural walls of seismic force-resisting systems in structures assigned to Seismic Design Category B, C, D, E, or F	●		N	1704.5 20.2.2.5 of ACI 318 ASTM A 615	2, 3
1704.6 Structural Observation					
The owner shall employ a registered design professional to perform structural observation. Prior to commencement of observation, the structural observer shall submit to the building official a written statement identifying frequency and extent of structural observations.		●	Y	1704.6	
Seismic		●	N	1704.6.2	2
Wind		●	Y	1704.6.3	2
1705.2 Steel Construction					
Structural steel inspections and non-destructive testing shall be in accordance with the quality assurance inspection requirements of AISC 360-16				1705.2.1 AISC 360-16	
Prior to Welding (AISC 360-16 Table N5.4-1)					
QC inspection tasks shall be performed by fabricator's or erectors QCI, as applicable, in accordance with sections N5.4, N5.6, and N5.7. QA inspection tasks shall be performed by the QAI, in accordance with section N5.4, N5.6, and N5.7.				AISC 360-16 Table N5.4-1	QC / QA
Welder qualification records and continuity records.					P / O
Welding procedure specifications (WPSs) available					P / P
Manufacturer certifications for welding consumables					P / P
Material identification (type/grade)					O / O
Welder identification system					O / O
Fit-up of groove welds (including joint geometry)					O / O
a. Joint preparation					
b. Dimensions (Alignment, root open, root face, bevel)					
c. Cleanliness (Condition of steel surfaces)					
d. Tacking (tack weld quality and location)					
e. Backing type and fit (if applicable)					
Configuration and finish of access holes					O / O
Fit-up of fillet welds					O / O
a. Dimensions (Alignment, root open, root face, bevel)					
b. Cleanliness (Condition of steel surfaces)					
c. Tacking (tack weld quality and location)					
d. Check welding equipment					O / --
During Welding (AISC 360-16 Table N5.4-2)				AISC 360-16 Table N5.4-2	
Control and handling of welding consumables					O / O
a. Packaging					
b. Exposure control					
No welding over cracked tack welds					O / O
Environmental conditions					O / O
a. Wind speed within limits					
b. Precipitation and temperature					
WPS followed					O / O
a. Settings on welding equipment					
b. Travel speed					
c. Selected welding materials					
d. Shielding gas type/flow rate					
e. Preheat applied					
f. Interpass temperature maintained (min/max)					
g. Proper position (F, V, H, OH)					
Welding techniques					O / O
a. Interpass and final cleaning					
b. Each pass with profile limitations					
c. Each pass meets quality requirements					
After Welding (AISC 360-16 Table N5.4-3)				AISC 360-16 Table N5.4-3	
Welds cleaned					O / O
Size, length, and location of welds					P / P
Welds meet visual acceptance criteria					P / P
a. Crack prohibition					
b. Weld/base-metal fusion					
c. Crater cross section					
d. Weld profiles					
e. Weld size					
f. Undercut					
g. Porosity					
Arc strikes					P / P
k-area					P / P
Weld access holes in rolled heavy shapes and built-up heavy shapes					P / P
Backing removed and weld tabs removed (if required)					P / P
Repair activities					P / P
Document acceptance or rejection of welded joint or member					P / P
No prohibited welds have been added without the approval of the EOR					O / O

Inspections & Testing	Reference Standard or Compliance Document	Agent	
Nondestructive Testing (AISC 360-16 Section N5.5)	AISC 360-16 Section N5.5	QC	QA
Risk Category II Structures - Perform Ultrasonic Testing on 10% of CJP groove welds in butt, T- and corner joints subject to transversely applied tension loading, in materials 5/16 inches thick or greater.		P	P
Risk Category III or IV Structures - Perform Ultrasonic Testing on all CJP groove welds subject to transversely applied tension loading in butt, T- and corner joints subject to transversely applied tension loading, in materials 5/16 inches thick or greater.		P	P
Welded Joints Subject to Fatigue			
Prior to Welding (AISC 341-16 Table J6.1)			
Visual inspection tasks prior to welding			
Material identification (Type/Grade)		O	O
Welder identification system		O	O
Fit-up of Groove Welds (including joint geometry) - Joint preparation - Dimensions (alignment, root opening, root face, bevel) - Cleanliness (condition of steel surfaces) - Tacking (tack weld quality and location) - Backing type and fit (if applicable)		P/O**	O
Configuration and finish of access holes		O	O
Fit-up of Fillet Welds - Dimensions (alignment, gaps at root) - Cleanliness (condition of steel surfaces) - Tacking (tack weld quality and location)		P/O**	O
**Following performance of this inspection task for ten welds to be made by a given welder, with the welder demonstrating understanding of requirements and possession of skills and tools to verify these items, the Perform designation of this task shall be reduced to Observe, and the welder shall perform this task. Should the inspector determine that the welder has discontinued performance of this task, the task shall be returned to Perform until such time as the Inspector has re-established adequate assurance that the welder will perform the inspection tasks listed.			
During Welding (AISC 341-16 Table J6.2)			
Visual inspection tasks during welding			
WPS followed - Settings on welding equipment - Travel speed - Selected welding materials - Shielding gas type/flow rate - Preheat applied - Interpass temperature maintained (min/max) - Proper position (F, V, H, OH) - Intermix of filler metals avoided unless approved		O	O
Use of qualified welders		O	O
Control and handling of welding consumables - Packaging - Exposure control		O	O
Environmental conditions - Wind speed within limits - Precipitation and temperature		O	O
Welding techniques - Interpass and final cleaning - Each pass within profile limitations - Each pass meets quality requirements		O	O
No welding over cracked tacks		O	O
After Welding (AISC 341-16 Table J6.3)			
Visual inspection tasks after welding			
Welds cleaned		O	O
Size, length and location of welds		P	P
Welds meet visual acceptance criteria - Crack prohibition - Weld/base-metal fusion - Crater cross section - Weld profiles and size - Undercut - Porosity		P	P
*k-area		P	P
Placement of reinforcing or contouring fillet welds (if required)		P	P
Backing removed, weld tabs removed and finished, and fillet welds added (if required)		P	P
Repair activities		P	P
* When welding doubler plates, continuity plates or stiffeners has been performed in the k-area, visually inspect web k-area for cracks within 3 in. (75 mm) of the weld. The visual inspection shall be performed no sooner than 48 hours following completion of the welding			
Prior to Bolting (AISC 360-16 Table N5.6-1)	AISC 360-16 Section N5.6-1		
Manufacturer's certifications available for fastener materials		O	O
Fasteners marked in accordance with ASTM requirements		O	O
Correct fasteners selected for the joint detail (grade, type, bolt length if threads are to excluded for shear plane)		O	O
Correct bolting pattern selected for joint detail		O	O
Connecting elements, including the appropriate faying surface condition and hole preparation, if specified, meet applicable requirements		O	O
Pre-installation verfication testing by installation personnel observed and documented for fastener assemblies and methods used (Not required for snug tight bolts)		P	O
Protected storage provided for bolts, nuts, washers and other fastener components		O	O
During Bolting (AISC 360-16 Table N5.6-2)	AISC 360-16 Section N5.6-2		
These inspections are not required for snug-tight joints. These inspections are not required for pretensioned joints and slip-critical joints, when the installer is using the turn-of-nut method with matchmarking techniques, the direct-tension-indicator method, or the twist-off-type tension control bolt method.			
Fastener assemblies, placed in all holes and washers and nuts are positioned as required		O	O
Joint brought to the snug-tight condition prior to pretensioning operation		O	O
Fastener component not turned by the wrench prevented from rotating		O	O
Fasteners are pretensioned in accordance with the RCSC specification, progressing systematically from the most rigid point toward the free edges		O	O
After Bolting (AISC 360-16 Table N5.6-3)	AISC 360-16 Table N5.6-3		
Document acceptance or rejection of bolted connections		P	P
Other Inspection Tasks (AISC 360-16 Section N5.8)	AISC 360-16 Section N5.6-7		
Verify compliance of fabricated steel with the details shown on the shop drawings		P	--
Verify compliance of the erected steel frame with the field installed details shown on the erection drawings including braces, stiffeners, member location and joint details		P	--
Anchor rods and other embedment supporting structural steel			
a. Verify the diameter, grade, type and length of the anchor rod or embedded item		P	--
b. Verify the extent or depth of embedment into the concrete		P	--
RBS requirements, if applicable (ref: AISC 341-16)			
a. Contour and finish		P	--
b. Dimensional tolerances		P	--
Protected zone - no holes and unapproved attachments made by fabricator or erector, as applicable (ref: AISC 341-16)		P	--
H-Piles - Protected zone - no holes and unapproved attachments made by the responsible contractor, as applicable (ref: AISC 341-16)		P	--

Inspections & Testing	Continuous	Periodic	Y / N	Reference Standard or Compliance Document	Agent
1705.2.2 Cold-Formed Steel Deck					
Special inspections in accordance with QA/QC-2011 Standard for Quality control and Quality assurance for installation of steel deck		●	Y	1705.2.2	2
1705.2.3 Open-Web Steel Joists and Joist Girders					
Installation of open-web steel joists and joist girders		●	Y	Table 1705.2.3	1
a. End connections - welding or bolted					
b. Bridging - horizontal or diagonal					
i. Standard bridging					
ii. Bridging that differs from the SJI specifications listed in section 2207.1					
Inspection of Composite Structures Prior to Concrete Placement (AISC 341-16 Table J9-1)					
Prior to Concrete Placement (AISC 360-16 Table N6-1)					
Placement and installation of steel deck		●	Y	AISC 360-16 Table N6-1	1
Placement and installation of steel headed stud anchors		●	Y		1
Document acceptance or rejection of stud elements		●	Y		1
Prior to Concrete Placement (AISC 341-16 Table J9-1)					
Material identification of reinforcing steel (Type/Grade)		●	N	AISC 341-16 Table J9-1	1
Determination of carbon equivalent for reinforcing steel other than ASTM A706		●	N		1
Proper reinforcing steel size, spacing and orientation		●	N		1
Reinforcing steel has not been rebent in the field		●	N		1
Reinforcing steel has been tied and supported as required		●	N		1
Required reinforcing steel clearances have been provided		●	N		1
Composite member has required size		●	N		1
During Concrete Placement (AISC 341-16 Table J9-2)					
Concrete: Material identification (mix design, compressive strength, maximum size aggregate size, maximum slump)		●	N	AISC 341-16 Table J9-2	1
Limits on water added at the truck or pump		●	N		1
Proper placement techniques to limit segregation		●	N		1
After Concrete Placement (AISC 341-16 Table J9-3)					
Achievement of minimum specified concrete compressive strength at specified age		●	N	AISC 341-16 Table J9-3	1
1705.3 Concrete Construction					
Inspect reinforcing steel, including prestressing tendons, and verify placement.		●	Y	Table 1705.3	1
Inspect reinforcing bar welding:					
Verify weldability of reinforcing bars other than ASTM A706		●	Y	AWS D1.4	
Inspect single pass fillet welds, maximum 5/16"; and	●		Y	ACI 318: 26.6.4	
Inspect all welds	●				
Inspect anchors cast in concrete		●	Y		1
Inspect anchors post-installed in hardened concrete members:	●		Y		1
Adhesive anchors installed in horizontally or upwardly inclined orientation to resist sustained tension loads.	●		Y	ACI 318: 17.8.2.4	
Mechanical anchors and adhesive anchors not defined above	●		Y	ACI 318: 17.8.2	
Verify use of approved design mix		●	Y		1
Prior to placement fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete	●		Y		1
Inspect concrete and shotcrete placement for proper application techniques	●		Y		1
Inspect for maintenance of specified curing temperature and techniques		●	Y		1
Inspect prestressed concrete for:					1
a. Application of prestressing forces	●		N		
b. Grouting of bonded prestressing tendons in the seismic-force-resisting system	●		N		
Inspect erection of precast structural members		●	N		1
Verify in-situ concrete strength, prior to stressing of tendons in post-tensioned concrete and prior to removal of shores and forms from beams and structural slabs		●	N		1
Inspect formwork for shape, location and dimensions of the concrete member being formed		●	Y		1

Inspections & Testing	Frequency		Reference Standard or Compliance Document		Agent
	Level 2	Level 3	TMS 402	TMS 602	
1705.4 Masonry Construction					
As masonry construction begins; verify that the following are in compliance:					
Portions of site-prepared mortar.	P	P		Art. 2.1, 2.6 A, & 2.6 C	
Grade, type and size of reinforcement, connectors, anchor bolts and anchorages.	P	P		Art. 3.4 & 3.6 A	
Sample panel construction	P	C		Art. 1.6 D	
Prior to grouting, verify that the following are in compliance:					
Grout space	P	C		Art. 3.2 D & 3.2 F	
Placement of reinforcement, connectors, and anchor bolts.	P	C	Sec. 6.1, 6.3.1, 6.3.6, & 6.3.7	Art. 3.2 E & 3.4	
Portions of site prepared grout	P	P		Art. 2.6 B & 2.4 G.1.b	
Verify compliance with the following during construction:					
Materials and procedures with the approved submittals.	P	P		Art. 1.5	
Placement of masonry units and mortar joint construction.	P	P		Art. 3.3 B	
Size and location of structural members.	P	P		Art. 3.3 F	
Type, size, and location of anchors, including other details of anchorage of masonry to structural members, frames, or other construction.	P	C	Sec. 1.2.1(e), 6.2.1, & 6.3.1		
Preparation, construction, and protection of masonry during cold weather (temperature below 40°F) or hot weather (temperature above 90°F).	P	P		Art. 1.8 C & 1.8 D	
Observe preparation of grout specimens, mortar specimens, and/or prisms.	P	C		Art. 1.4 B.2a.3, 1.4 B.2.b.3, 1.4 B.2.c.3, 1.4 B.3, & 1.4 B.4	

Inspections & Testing	Continuous	Periodic	Y / N	Reference Standard or Compliance Document	Agent
1705.5 Wood Construction					
Inspect prefabricated wood structural elements in accordance with Section 1704.2.5		●	N	1705.5	1
High load diaphragms:		●	N	1705.11 High wind and Seismic areas	1
a. Verify sheathing grade and thickness					
b. Verify nominal size of framing members and adjoining panel edges					
c. Verify nail or staple diameter and length					
d. Verify number of fastener lines					
e. Verify spacing between fasteners in each line and at panel edges					
Shearwalls:		●	N		1
a. Verify sheathing grade and thickness					
b. Verify nominal size of framing members and adjoining panel edges					
c. Verify nail or staple diameter and length					
d. Verify number of fastener lines					
e. Verify spacing between fasteners in each line and at panel edges					
f. Location and size of holdowns					
Verify nailing, bolting, anchoring and fastening of:		●	N		1
a. Drag struts and collectors					
b. Braces					
c. Hold-downs					
Metal-plate-connected wood trusses:		●	N		
a. Verify temporary installation restraint/bracing installed in accordance with approved shop drawings					1
b. Verify permanent individual truss member restraint/bracing installed in accordance with the approved shop drawings					1
Inspect load bearing walls as follows, as applicable:		●	N		
a. Wall stud species and spacing as per project specifications.					
b. Placement of cripple stud blocking inside of floor system.					
c. Stud drilling and penetrations (not to exceed one third of the stud dimension unless otherwise specified by the structural engineer of record).					
d. Sill plate species as per project specifications.					
Inspect wood columns as follows, as applicable:		●	N		
a. Types and placement of wood columns as per construction documents.					
b. Column connection details to beams and trusses.					
c. Cripple stud project requirements within the floor system for load path continuity.					
d. Column base assemblies.					
Inspect shear wall systems as follows, as applicable:		●	N		
a. Wall stud, size and spacing.					
b. Anchor bolt size, location on sill plates and strappings through floor system.					
c. Placement of diagonal bracing and component shear trusses.					
d. Placement and size of hold-down anchors and tension rods as per contract documents.					
e. Shear wall sheathing grade and thickness, fastener types and spacing.					
f. Wall blockings.					
1705.5 Wood Construction - continued					
Inspect roof framing as follows, as applicable:		●	N		
a. Placement of hurricane hangers.					
b. Placement of parapet hold-down anchors.					
c. Placement of permanent roof bracings.					
d. Placement of gable truss bracings.					
Inspect steel framing as follows, as applicable:		●	N		
a. Wood to steel connections (number, size and spacing of bolts and hanger types).					
b. Bracing of steel beams and columns (placement of sill plates, anchor bolts, and diagonal bracing to top of beams and blocking placement at steel beam webs).					
Inspect floor trusses as follows, as applicable:		●	N		
a. Placement of 2x6 band members at end of trusses.					
b. Truss bearing width in butting and diagonal situations.					
1705.6 Soils					
Verify materials below shallow foundation are adequate to achieve the required bearing capacity		●	Y	Table 1705.6	1
Verify excavation are extended to proper depth and have reached proper material		●	Y		1
Perform classification and testing of compacted fill materials		●	Y		1
Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill	●		Y		1
Prior to placement of controlled fill, observe subgrade and verify that site has been prepared properly		●	Y		1
1705.7 Driven Deep Foundation Elements					
Verify materials, sizes and lengths	●		N	Table 1705.7	1
Determine capacities of test elements and conduct additional load tests when required. Refer to project specifications	●		N		1
Maintain complete and accurate records for each element	●		N		1
Observe and verify drilling operations	●		N		1
a. Verify element locations and plumbness					
b. Verify type and size of hammer					
c. Record number of blows per foot of penetration					
d. Determine required penetration to achieve specified capacity					
e. Record pile tip and butt elevations					
f. Document any damage to any foundation element					
For steel elements, perform additional inspection in accordance with 1705.2 and AISC 341-16. Table J10-1			N	AISC 341-16 Table J10-1	1
For concrete elements and concrete-filled elements, perform additional inspections in accordance with 1705.3			N		1
For specialty elements, perform additional inspections as required in the project specifications.			N		1
1705.8 Cast-In-Place Deep Foundations					
Maintain complete and accurate records for each element	●		N	Table 1705.8	1
Observe and verify drilling operations	●		N		1
a. Verify element locations and plumbness					
b. Verify element diameter					
c. Verify bell diameter (if applicable)					
d. Verify element lengths					
e. Verify embedment depth into bedrock (if applicable)					
f. Verify adequate end-bearing strata capacity					
g. Record concrete or grout volumes					
For concrete elements, perform additional inspections in accordance with 1705.3			N		1
1705.9 Helical Piles					
Maintain complete and accurate records for each element		●	N	Table 1705.9	1
Observe and verify drilling operations	●		N		1
a. Verify installation equipment used					
b. Verify pile locations					
c. Verify pile dimensions					
d. Verify tip elevations					
e. Verify final depth					
f. Verify final installation torque					
g. Other data as required by the project specifications					

Inspections & Testing	Continuous	Periodic	Y / N	Reference Standard or Compliance Document	Agent
1705.11 Special Inspections for Wind Resistance					
Provide inspections when required by 1705.11		●	N		1, 2
a. Structural wood				1705.11.1	
b. CFS light frame construction				1705.11.2	
c. Wind resisting components				1705.11.3	
1705.12 Special Inspections for Seismic Resistance					
Maintain complete and accurate records for each element		●	N		1, 2
a. Structural steel				1705.12.1	
b. Structural wood				1705.12.2	
c. CFS light frame construction (CFSF)				1705.12.3	
d. Designated seismic systems				1705.12.4	
e. Architectural components				1705.12.5	
f. Plumbing, Mechanical, Electrical components				1705.12.6	
g. Storage racks				1705.12.7	
1705.13 Testing for Seismic Resistance					
Test and qualify seismic resistance in accordance with 1705.13 and the project specifications		●	N		1, 2
1705.14 Sprayed Fire-Resistant Materials (SFRM)					
Inspect sprayed fire-resistant materials in accordance with 1705.14 and the project specifications		●	N		1
a. Condition of substrate					
b. Thickness of application					
c. Density					
d. Bond strength adhesion/cohesion					
e. Condition of finished application					
1705.15 Mastic and Intumescent Fire-Resistant Coatings					
Perform inspections in accordance with AWCI 12-B and 1705.15		●	N	AWCI 12-B	1
1705.16 Exterior Insulation and Finish Systems (EIFS)					
Perform inspections in accordance with project specifications and 1705.16		●	N		1
1705.17 Fire-resistant Penetrations and Joints (section not applicable in the State of Virginia)					
Perform inspections in accordance with project specifications and 1705.17		●	N	1705.17.1, 1705.17.2	1, 2
1705.18 Smoke Control					
Perform testing in accordance with project specifications and 1705.18.1		●	N		1
Cold-Formed Steel Construction (Refer to AISI 240-15) - All tasks within this section by Agent 1					

Table D6.5-1 Material Verification Tasks Prior to Assembly or Installation		QC	QA
A	Verify compliance of cold-formed steel structural members: - Product identification (Section A5.5)	P	P
B	Verify compliance of connectors	P	P
C	Document acceptance or rejection of cold-formed steel structural members and connectors	--	P

Table D6.5-2 Material Verification Tasks After Assembly or Installation		QC	QA
A	Verify compliance of cold-formed steel structural members: - Product identification (Section A5.5)	P	P
B	Verify compliance of connectors	P	P
C	Document acceptance or rejection of cold-formed steel structural members and connectors	--	P

Table D6.6-1 Inspection or Execution Tasks Prior to Welding		QC	QA
A	Welding procedure specifications available	O	O
B	Manufacturer certifications for welding consumables available	O	O
C	Material identification (type/grade)	O	O
D	Check welding equipment	O	O

Table D6.6-2 Inspection or Execution Tasks During Welding		QC	QA
A	Use of qualified welders	O	O
B	Control and handling of welding consumables	O	O
C	Environmental conditions (wind speed, moisture, temperature)	O	O
D	Welding procedure specifications followed	O	O

Table D6.6-3 Inspection or Execution Tasks After Welding		QC	QA
A	Verify compliance of welds	P	P
B	Welds meet visual acceptance criteria	P	P
C	Verify repair activities	P	P
D	Document acceptance or rejection of welded connections	--	P

Table D6.7-1 Inspection or Execution Tasks Prior to Mechanical Fastening		QC	QA
A	Mechanical fastener manufacturer installation instructions available for mechanical fasteners	O	O
B	Proper tools available for mechanical fastener installation	O	O
C	Proper storage for mechanical fasteners	O	O

Table D6.7-2 Inspection or Execution Tasks During Mechanical Fastening		QC	QA
A	Mechanical fasteners are positioned as required	O	O
B	Mechanical fasteners are installed in accordance with manufacturer's instructions	O	O

Table D6.7-3 Inspection or Execution Tasks After Mechanical Fastening		QC	QA
A	Verify compliance of mechanical fasteners	P	P
B	Repair activities	P	P
C	Document acceptance or rejection of mechanically fastened connections	--	P

Table D6.8-1 Inspection or Execution Tasks After Installation of Cold-Formed Steel Light-Frame Construction		QC	QA
A	Verify compliance of cold-formed steel light-frame construction	P	P
B	Document acceptance or rejection of cold-formed steel light-frame construction	--	P

Table D6.9-1 Additional Inspection or Execution Tasks Prior to Installation of Cold-Formed Steel Lateral Force-Resisting Systems		QC	QA
A	Verify compliance of shear wall and diaphragm sheathing, diagonal strap bracing, and hold-downs	P	P
B	Document acceptance or rejection of shear wall and diaphragm sheathing, diagonal strap bracing, and hold-downs	--	P

Table D6.9-2 Additional Inspection or Execution Tasks Prior to Welding of Cold-Formed Steel Lateral Force-Resisting Systems		QC	QA
A	Welder identification system	O	O
B	Fit-up of welds (alignment, gaps, condition of steel surfaces)	P/O	O

Table D6.9-3 Additional Inspection or Execution Tasks Prior to Mechanical Fastening of Cold-Formed Steel Lateral Force-Resisting Systems		QC	QA
A	Proper fasteners selected	O	O
B	Proper installation procedure selected	O	O
C	Connecting elements meet applicable requirements	O	O

Table D6.9-4 Additional Inspection or Execution Tasks During Mechanical Fastening of Cold-Formed Steel Lateral Force-Resisting Systems		QC	QA
A	For screw connections, joint brought tight (e.g., clamped) to avoid gaps between plies	O	O
B	For screw connections, tool adjusted to avoid stripped and overdriven fasteners	O	O
C	For post-installed connections to concrete, installation in accordance with manufacture's instructions	P	P

Table D6.9-5 Additional Inspection or Execution Tasks After Installation of Cold-Formed Steel Lateral Force-Resisting Systems		QC	QA
A	Verify compliance of cold-formed steel lateral force-resisting system installation	P	P
B	Document acceptance or rejection of installation of cold-formed steel lateral force-resisting system	--	P

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

SOUTH CAROLINA — CERTIFICATE OF AUTHORIZATION — MOSELEY ARCHITECTS No. 3983

SOUTH CAROLINA — REGISTERED PROFESSIONAL ENGINEER — No. 27310 — STEVEN M COOK

3-28-2023

MAYO HIGH SCHOOL TOILET RENOVATION

DCSD SOLICITATION NO.: FAC2223-04
DARLINGTON COUNTY SCHOOL DISRICT
100 MAGNOLIA ST, DARLINGTON, SC 29532

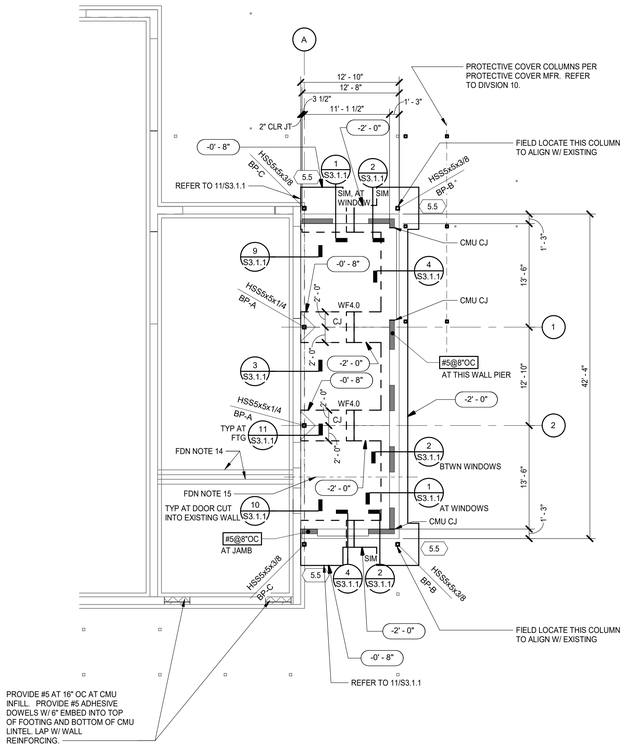
PROJECT NO: 624003
DATE: MARCH 28, 2023

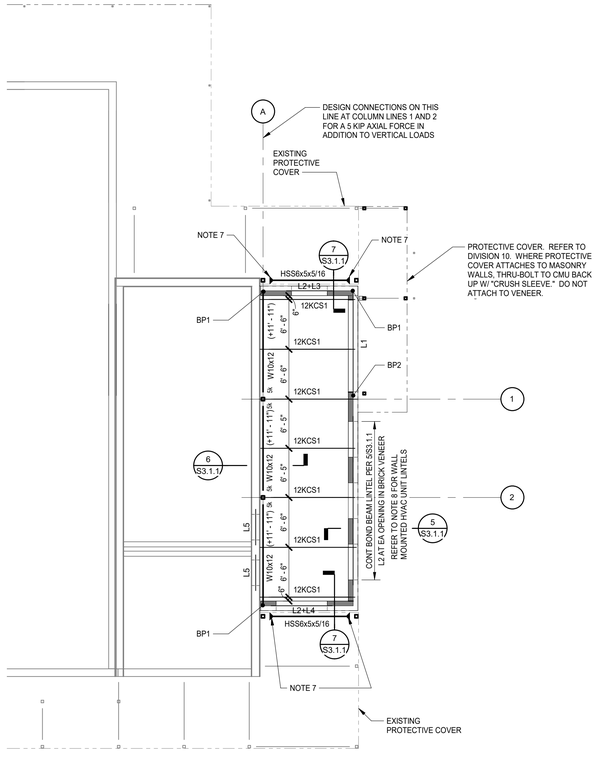
REVISIONS	
DATE	DESCRIPTION

SPECIAL INSPECTION REPORTS - 2018 IBC

S0.0.2

3/27/2023 11:29:42 AM





N

FOUNDATION PLAN

1/8" = 1'-0"

FOUNDATION PLAN NOTES:

1. FINISHED FIRST FLOOR ELEVATION = MATCH EXISTING = REFERENCE DATUM EL (+0'-0"). ALL STRUCTURAL ELEVATIONS INDICATED ARE REFERENCED FROM THIS ELEVATION, UNO.
2. FLOOR CONSTRUCTION SHALL BE 4" NORMAL WEIGHT CONCRETE SLAB ON GRADE REINFORCED WITH 4x4-W2.9xW2.9 WWF (AT 1" FROM TOP OF SLAB) OVER VAPOR BARRIER OVER 6" GRANULAR BASE COURSE, UNO.
3. BASE COURSE SHALL BE A CLEAN, DENSELY-GRADED "CRUSHER RUN" MATERIAL WITH A BALANCED FINE CONTENT, SUCH AS NCDOT ABC STONE, THE BASE COURSE SHALL BE COMPACTED AND SHALL BE FINISHED TO A FLAT, SMOOTH, LOW-FRICTION SURFACE. COMPACTION SHALL BE MONITORED BY THE ON-SITE TESTINGAGENCY. OPEN GRADED STONE, SUCH AS #57 STONE, IS NOT ACCEPTABLE.
4. TOP OF ALL FOOTINGS SHALL BE (-2'-0"), UNO. CONTRACTOR SHALL FIELD VERIFY DEPTH AND SIZE OF EXISTING FOOTINGS PRIOR TO PREPARATION OF REBAR SHOP DRAWINGS AND CONSTRUCTION OF NEW FOOTINGS. CONTRACTOR SHALL COORDINATE INTERFACE OF EXISTING AND NEW FOOTINGS. NOTIFY ENGINEER OF ANY DISCREPANCIES WITH AS BUILT CONDITION OF EXISTING FOOTINGS THAT CAUSE CONFLICTS WITH NEW FOOTINGS PRIOR TO CONSTRUCTION OF NEW FOOTINGS.
5. ALL WALL FOOTINGS SHALL BE WF3.5, UNO.
6. COORDINATE FOOTING STEPS WITH ALL UNDERSLAB UTILITIES. REFER TO FOUNDATION NOTE #4 ON DRAWING S0.0.1.
7. REFER TO DRAWING S0.0.1 FOR GENERAL NOTES, PLAN LEGEND, AND STRUCTURAL ABBREVIATIONS.
8. REFER TO DRAWINGS S3.0.1 AND S3.0.2 FOR TYPICAL FOUNDATION DETAILS AND SCHEDULES.
9. REINFORCE MASONRY WALLS WITH #5 AT 16" OC BETWEEN ALL WINDOW AND DOOR OPENINGS, UNO. REINFORCE MASONRY WALLS WITH #5 AT 24" OC ABOVE AND BELOW ALL WINDOW AND DOOR OPENINGS, UNO. GROUT ALL EXTERIOR MASONRY WALLS SOLID.
10. WALL REINFORCING CALLOUTS ON PLAN SHALL APPLY FOR THE ENTIRE LENGTH OF WALL, UNO.
11. WALLS SHOWN ON PLAN AS SHADED ARE SHEAR WALLS. DO NOT PLACE MASONRY CONTROL JOINTS IN SHADED REGIONS, UNO.
12. REINFORCING STEEL SHALL NOT BE CUT FOR ANY REASON WITHOUT PERMISSION OF THE STRUCTURAL ENGINEER OF RECORD.
13. ALL BELOW GRADE WALLS SHALL BE REINFORCED WITH HORIZONTAL JOINT REINFORCING AT 8" OC, UNO.
14. CONTRACTOR SHALL FIELD VERIFIY IF EXISTING WALLS ARE BEARING WALLS SUPPORTING STRUCTURE PRIOR TO DEMOLITION AND REPLACEMENT OF WALLS. IF EXISTING WALLS ARE SUPPORTING STRUCTURE THEN CONTRACTOR SHALL PROVIDE TEMPORARY SHORING OF STRUCTURE UNTIL NEW WALLS ARE IN PLACE. REFER TO DRAWING S0.0.1 FOR TEMPORARY SHORING NOTES.
15. CONTRACTOR SHALL FIELD VERIFY LOCATION AND DEPTH OF EXISTING PLUMBING LINE AND COORDINATE WITH DEPTHS OF NEW FOUNDATIONS. REFER TO FOUNDATION STEP DETAILS ON DRAWING S3.0.1.
16. REFER TO DRAWING A1.2.1 FOR EXTENTS OF DEMOLITION OF EXISTING SLAB ON GRADE TO INSTALL PLUMBING AND PERFORM OTHER WORK BELOW SLAB. REPAIR SLAB ON GRADE PER FOUNDATION PLAN NOTE 2. DOWEL NEW SLAB ON GRADE INTO EXISTING SLAB ON GRADE W/ 1/2" DIA x 1'-0" LONG SMOOTH ADHESIVE DOWELS W/ 6" EMBEDMENT INTO EXISTING SLAB. GREASE ENDS OF DOWELS THAT ARE LOCATED IN NEW SLAB ON GRADE. SPACE ADHESIVE DOWELS AT 12" OC.

N

ROOF FRAMING PLAN

1/8" = 1'-0"

ROOF FRAMING PLAN NOTES:

1. TOP OF STEEL BEAMS INDICATED THUS (+X'-X") ON PLAN SHALL BE REFERENCED FROM FINISHED FIRST FLOOR ELEVATION.
2. STEEL ROOF DECK SHALL BE 1 1/2" WIDE RIB ROOF DECK (DECK TYPE 1), UNO. REFER TO STEEL DECK SCHEDULE ON DRAWING S4.0.2. REFER TO FRAMING PLAN AND ARCHITECTURAL AND STRUCTURAL SECTIONS FOR EXTENT OF DECK TYPES.
3. ALL BEAMS AND JOISTS ARE EQUALLY SPACED BETWEEN COLUMN GRIDLINES, UNO.
4. REFER TO DRAWING S0.0.1 FOR GENERAL NOTES, PLAN LEGEND, AND STRUCTURAL ABBREVIATIONS.
5. REFER TO DRAWINGS S4.0.1 AND S4.0.2 FOR TYPICAL FRAMING DETAILS AND SCHEDULES.
6. PROVIDE 1/2" CAP PLATE WITH HOLES FOR ERECTION BOLTS WHERE JOISTS BEAR ON TOPS OF COLUMNS.
7. REFER TO DETAIL 8/S3.1.1 FOR TYPICAL HSS TO HSS MOMENT CONNECTION.
8. FOR WALL MOUNTED HVAC UNIT, PROVIDE LINTELS L3 & L2 AT OPENINGS FOR SUPPLY AND RETURN AIR.
9. ATTACH EXISTING CANOPY TO HSS BEAMS W/ (2) #10 STAINLESS STEEL SELF TAPPING SCREWS PER DECK FLUTE. PROVIDE CORROSION INHIBITER BETWEEN DECK AND HSS.

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

SOUTH CAROLINA — MOSELEY ARCHITECTS No. 3983 — CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA — PROFESSIONAL ENGINEER — No. 27310 — STEVEN M. COOK

3-28-2023

MAYO HIGH SCHOOL TOILET RENOVATION

DCSD SOLICITATION NO.: FAC2223-04
DARLINGTON COUNTY SCHOOL DISRICT
100 MAGNOLIA ST, DARLINGTON, SC 29532

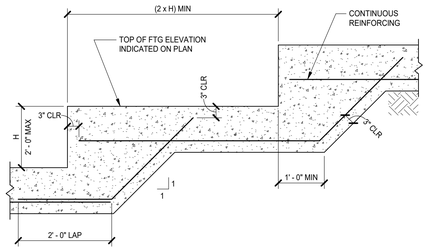
PROJECT NO: 624003
DATE: MARCH 28, 2023

REVISIONS	
DATE	DESCRIPTION

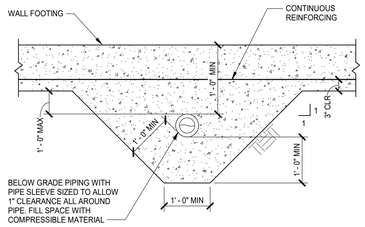
FOUNDATION AND FRAMING PLANS

S1.1.1

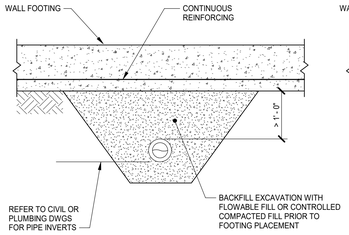
3/27/2023 11:29:42 AM



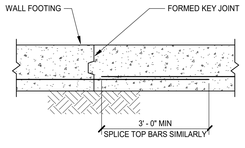
FOOTING STEP



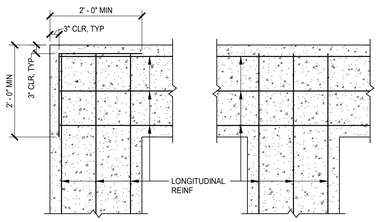
FOOTING SLEEVE



PIPE TRENCH BACKFILL AT FOOTING
(PIPE PLACED PRIOR TO FOOTING)



CONSTRUCTION JOINT

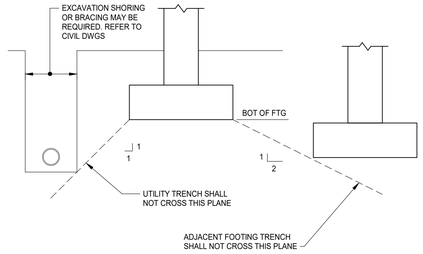


PLAN AT CORNER

PLAN AT INTERSECTION

WALL FOOTING DETAILS

NO SCALE



FOOTING EXCAVATION LIMITS

NO SCALE

WALL FOOTING SCHEDULE

MARK	WIDTH	THICKNESS	REINFORCING (BOT, UNO)	
			LONGITUDINAL	TRANSVERSE
WF3.5	3' - 6"	1' - 0"	(4) #5 CONT TOP & BOT	#5 AT 12" OC TOP & BOT
WF4.0	4' - 0"	1' - 0"	(4) #5 CONT TOP & BOT	#5 AT 12" OC TOP & BOT

LAP SPLICES SHALL BE IN ACCORDANCE WITH ACI 318 CHAPTER 25 AS INDICATED BELOW. TOP BAR LAPS (HORIZONTAL BARS WITH MORE THAN 12" OF CONCRETE CAST BELOW THE BAR) SHALL BE MODIFIED BY A MULTIPLICATION OF 1.3 TIMES THE LENGTHS LISTED IN THE TABLE BELOW. LENGTHS INDICATED IN INCHES.

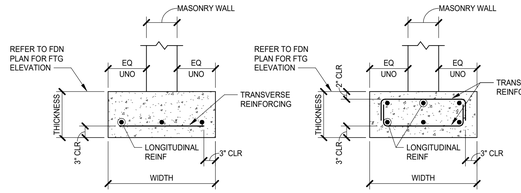
NORMAL-WEIGHT (145 PCF)

f'c (psi)	LAP CLASS	#3	#4	#5	#6	#7	#8	#9
3000	A	16	22	27	33	48	55	62
	B	21	28	36	43	62	71	80
3500	A	15	20	25	30	44	51	57
	B	20	26	33	40	58	66	74
4000	A	14	19	24	28	42	47	53
	B	18	25	31	37	54	62	69
5000	A	13	17	21	25	37	42	48
	B	17	22	28	33	48	55	62

LIGHTWEIGHT (110 PCF)

f'c (psi)	LAP CLASS	#3	#4	#5	#6	#7	#8	#9
3000	A	22	29	37	44	64	73	82
	B	28	38	47	57	83	95	107
3500	A	20	27	34	41	59	68	76
	B	26	35	44	53	77	88	99
4000	A	19	25	32	38	55	63	71
	B	25	33	41	49	72	82	92
5000	A	17	23	28	34	49	57	64
	B	22	29	37	44	64	74	83

ACI 318 LAP LENGTHS



WITH BOT REINFORCING

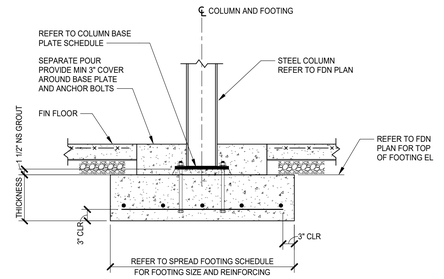
WITH TOP & BOT REINFORCING

WALL FOOTING DETAILS

NO SCALE

SPREAD FOOTING SCHEDULE

MARK	SIZE			REINFORCING
	LENGTH	WIDTH	THICKNESS	
S.5	5' - 6"	5' - 6"	1' - 0"	(6) #5 EA WAY TOP & BOT

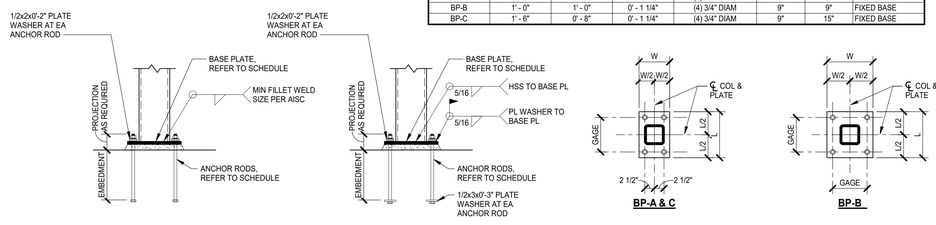


STEEL COLUMN FOOTING DETAILS

NO SCALE

COLUMN BASE PLATE SCHEDULE

MARK	BASE PLATE SIZE			HEADED ANCHOR RODS			
	L	W	T	SIZE	EMBED	GAGE	BASE PLATE TYPE
BP-A	1' - 0"	0' - 8"	0' - 0 3/4"	(4) 3/4" DIAM	9"	9"	STANDARD BASE
BP-B	1' - 0"	1' - 0"	0' - 1 1/4"	(4) 3/4" DIAM	9"	9"	FIXED BASE
BP-C	1' - 6"	0' - 8"	0' - 1 1/4"	(4) 3/4" DIAM	9"	15"	FIXED BASE



STANDARD BASE (HSS)

FIXED BASE (HSS)

BP-A & C

BP-B

COLUMN BASE PLATE DETAILS

NO SCALE

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

SOUTH CAROLINA — MOSELEY ARCHITECTS No. 3983 — CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA — No. 27310 — REGISTERED PROFESSIONAL ENGINEER — STEVEN M COOK

3-28-2023

MAYO HIGH SCHOOL TOILET RENOVATION

DCSD SOLICITATION NO.: FAC2223-04
DARLINGTON COUNTY SCHOOL DISRICT
100 MAGNOLIA ST, DARLINGTON, SC 29532

PROJECT NO: 624003
DATE: MARCH 28, 2023

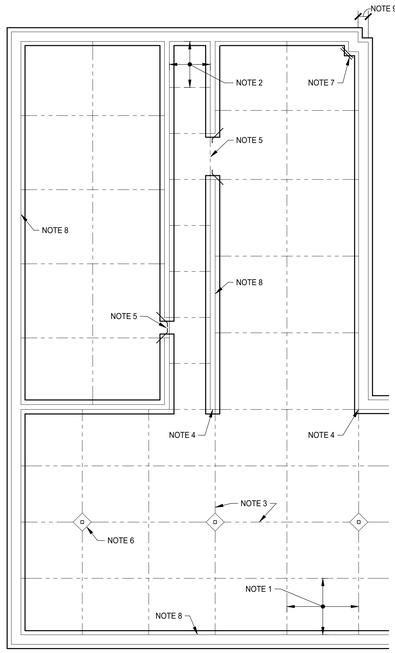
REVISIONS

DATE	DESCRIPTION

TYPICAL FOUNDATION DETAILS

S3.0.1

3/27/2023 11:29:42 AM

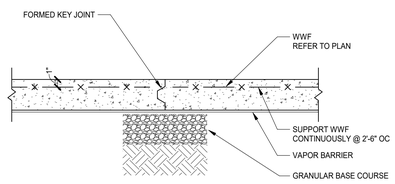


SLAB-ON-GRADE JOINT LAYOUT GUIDELINES

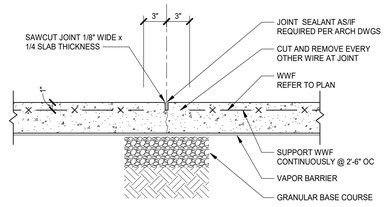
NO SCALE

NOTES:

1. PROVIDE CONTROL JOINTS IN SLABS ON GRADE WITHIN THE BUILDING SUCH THAT THE AREA BOUNDED BY CONTROL JOINTS DOES NOT EXCEED 225 SQUARE FEET AND JOINT SPACING DOES NOT EXCEED 15'-0" ON CENTER IN ANY ONE DIRECTION.
2. THE RATIO OF LENGTH TO WIDTH OF THE AREA BOUNDED BY CONTROL JOINTS SHALL NOT EXCEED 1.5 TO 1.
3. LOCATE CONSTRUCTION JOINTS AND OR CONTROL JOINTS AT COLUMN CENTERLINES.
4. LOCATE CONSTRUCTION JOINTS AND OR CONTROL JOINTS AT RE-ENTRANT CORNERS.
5. LOCATE CONSTRUCTION JOINTS PER "PLAN DETAIL AT INTERIOR DOORS".
6. PROVIDE DIAMOND OR CIRCULAR BLOCKOUTS AT COLUMNS.
7. REINFORCE ALL RE-ENTRANT CORNERS OF SLAB PER "SLAB REINFORCING AT RE-ENTRANT CORNERS".
8. PROVIDE BOND BREAK WHERE FLOOR ABUTS CMU OR CONCRETE WALL UNLESS NOTED OTHERWISE.
9. CONTROL JOINT NOT REQUIRED IF DIMENSION AT RE-ENTRANT CORNER IS 2'-0" OR LESS. PROVIDE REINFORCING PER "SLAB REINFORCING AT RE-ENTRANT CORNER".
10. CONTROL JOINT / CONSTRUCTION JOINT PLANS SHALL BE SUBMITTED IF NOT SHOWN ON FOUNDATION PLANS.



CONSTRUCTION JOINT



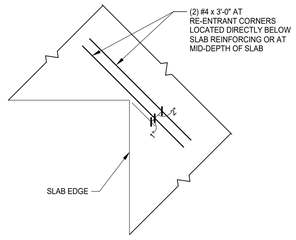
CONTROL JOINT

NOTES:

1. SAWCUT AS SOON AS CONCRETE WILL SUPPORT EQUIPMENT AND EARLY ENOUGH TO PREVENT CRACKING. DO NOT DISLODGE AGGREGATE.
2. CONSTRUCTION JOINT MAY REPLACE CONTROL JOINT.

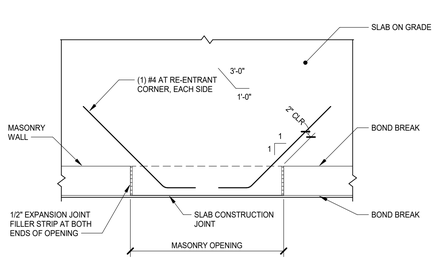
SLAB-ON-GRADE JOINT DETAILS

NO SCALE

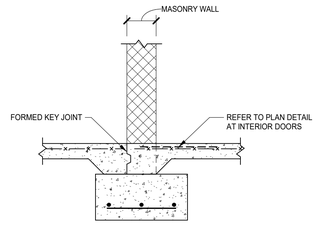


SLAB REINFORCING AT RE-ENTRANT CORNER

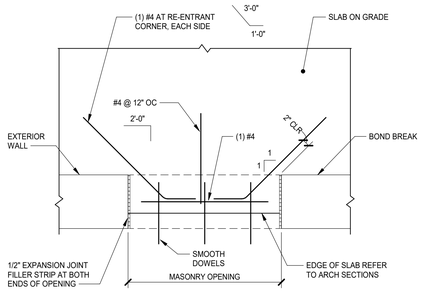
NO SCALE



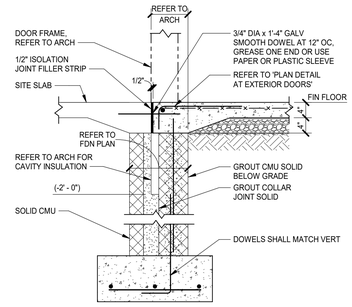
PLAN AT INTERIOR DOORS



SECTION AT INTERIOR DOORS



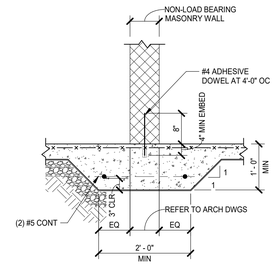
PLAN AT EXTERIOR DOORS



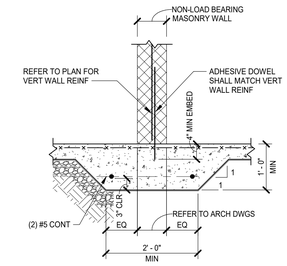
SECTION AT EXTERIOR DOORS

SLAB ON GRADE DETAILS AT DOORS

NO SCALE



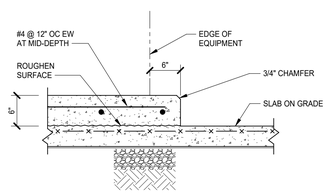
UNREINFORCED WALLS



NON-LOAD BEARING REINFORCED WALLS

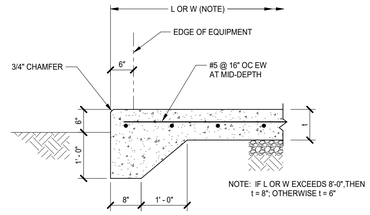
THICKENED SLAB ON GRADE DETAILS

NO SCALE



NOTE: REFER TO MECH, ELEC, PLUMBING AND CIVIL DRAWINGS FOR EQUIPMENT REQUIRING HOUSEKEEPING PAD

HOUSEKEEPING PAD



NOTE: IF L OR W EXCEEDS 8'-0",THEN t = 8"; OTHERWISE t = 6"

NOTE: REFER TO MECH, ELEC, PLUMBING AND CIVIL DRAWINGS FOR EQUIPMENT REQUIRING EXTERIOR PAD

EXTERIOR EQUIPMENT PAD

EQUIPMENT PAD DETAILS

NO SCALE

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

SOUTH CAROLINA — CERTIFICATE OF AUTHORIZATION — MOSELEY ARCHITECTS No. 3983

SOUTH CAROLINA — PROFESSIONAL ENGINEER — No. 27310 — STEVEN M COOK

3-28-2023

MAYO HIGH SCHOOL TOILET RENOVATION

DCSD SOLICITATION NO.: FAC2223-04
DARLINGTON COUNTY SCHOOL DISRICT
100 MAGNOLIA ST, DARLINGTON, SC 29532

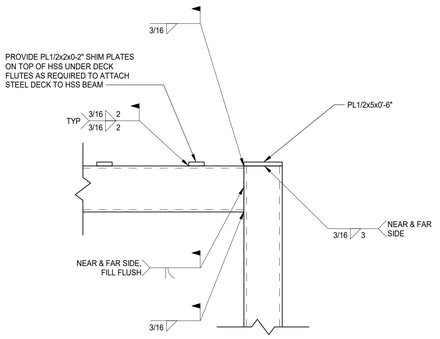
PROJECT NO: 624003
DATE: MARCH 28, 2023

REVISIONS	
DATE	DESCRIPTION

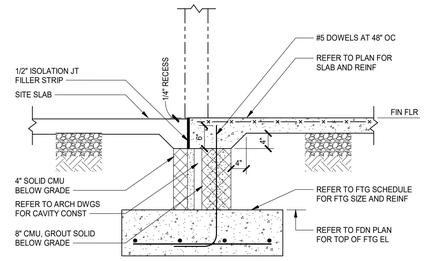
TYPICAL SLAB DETAILS

S3.0.2

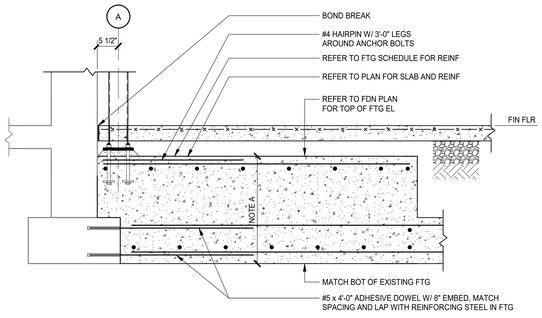
3/27/2023 11:28:42 AM



8 S3.1.1 **MOMENT CONNECTION DETAIL** 1 1/2" = 1'-0"

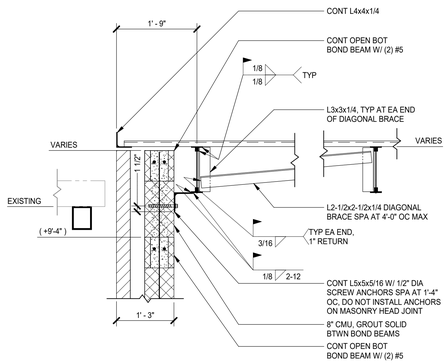


4 S1.1.1 S3.1.1 **SECTION** 3/4" = 1'-0"

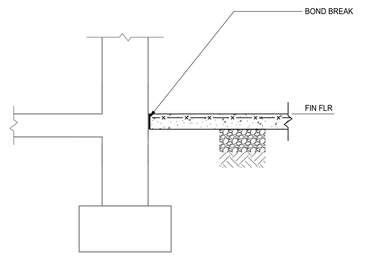


NOTE A: FTG THICKNESS SHALL BE DETERMINED BASED ON TOP ELEVATION INDICATED ON PLAN FOR NEW FTG AND BOTTOM ELEVATION OF EXISTING FTG. FTG THICKNESS SHALL NOT BE LESS THAN SCHEDULED VALUE ON DRAWING S3.0.1. REFER TO FOUNDATION PLAN NOTE 4 ON DRAWING S1.1.1.

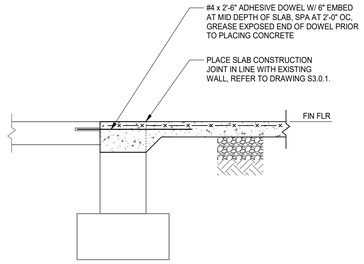
11 S1.1.1 S3.1.1 **SECTION** 3/4" = 1'-0"



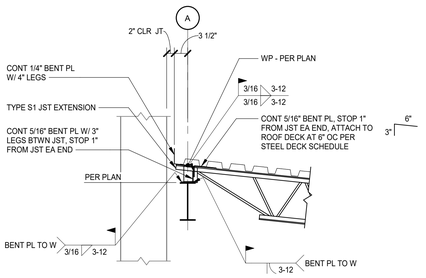
7 S1.1.1 S3.1.1 **SECTION** 3/4" = 1'-0"



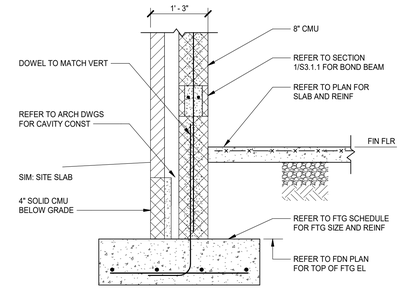
3 S1.1.1 S3.1.1 **SECTION** 3/4" = 1'-0"



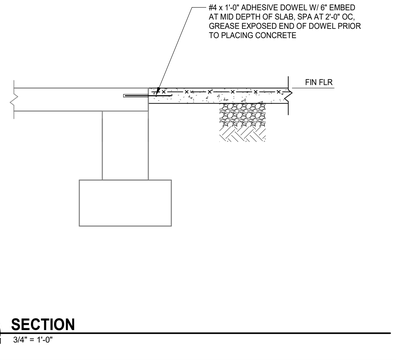
10 S1.1.1 S3.1.1 **SECTION** 3/4" = 1'-0"



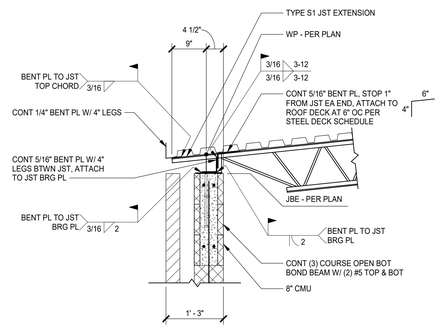
6 S1.1.1 S3.1.1 **SECTION** 3/4" = 1'-0"



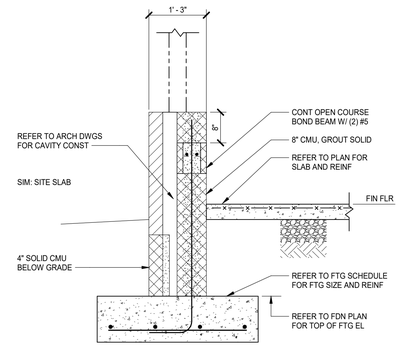
2 S1.1.1 S3.1.1 **SECTION** 3/4" = 1'-0"



9 S1.1.1 S3.1.1 **SECTION** 3/4" = 1'-0"



5 S1.1.1 S3.1.1 **SECTION** 3/4" = 1'-0"



1 S1.1.1 S3.1.1 **SECTION** 3/4" = 1'-0"

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

SOUTH CAROLINA — CERTIFICATE OF AUTHORIZATION — MOSELEY ARCHITECTS No. 3983

SOUTH CAROLINA — REGISTERED PROFESSIONAL ENGINEER — No. 27310 — STEVEN M. COOK

3-28-2023

MAYO HIGH SCHOOL TOILET RENOVATION

DCSD SOLICITATION NO.: FAC2223-04
DARLINGTON COUNTY SCHOOL DISRICT
100 MAGNOLIA ST, DARLINGTON, SC 29532

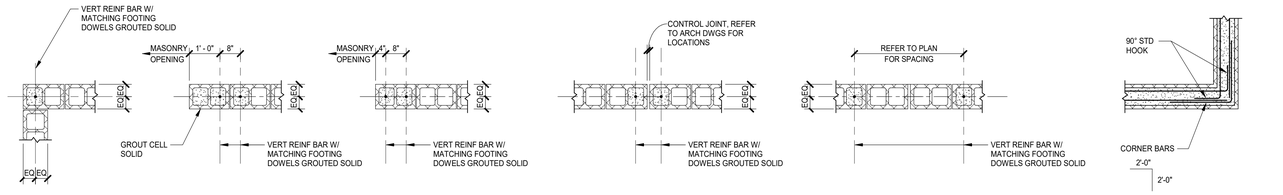
PROJECT NO: 624003
DATE: MARCH 28, 2023

REVISIONS	
DATE	DESCRIPTION

FOUNDATION AND FRAMING SECTIONS

S3.1.1

3/27/2023 11:29:43 AM



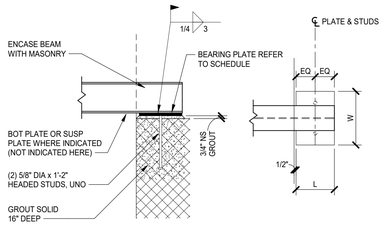
CORNER | **JAMB AT STEEL LINTEL** | **JAMB AT CMU BOND BEAM LINTEL** | **VERTICAL CONTROL JOINTS** | **TYPICAL REINFORCED WALL** | **BOND BEAM PLAN DETAIL AT CORNER**

NOTES:

1. REINFORCING BAR SIZE INDICATED ON FOUNDATION PLAN.
2. DETAILS ARE PROVIDED FOR VERTICAL REINFORCING STEEL PLACEMENT ONLY. REFER TO ARCHITECTS DRAWINGS FOR SPECIFIC MASONRY DETAILS.
3. DO NOT PLACE CONDUIT IN CELLS CONTAINING STRUCTURAL REINFORCING.

CMU WALL REINFORCING DETAILS

NO SCALE



SECTION | **PLAN**

BEAM ANCHORAGE DETAILS

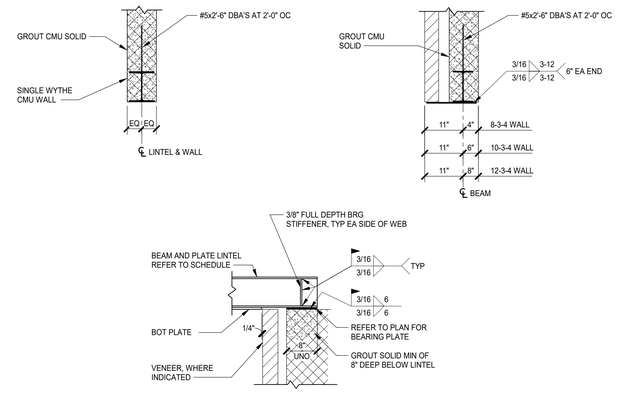
NO SCALE

BEARING PLATE SCHEDULE

MARK	SIZE			REMARKS
	W	t	L	
BP1	12"	3/4"	7"	
BP2	7"	3/4"	12"	
REFER TO BEAM ANCHORAGE DETAILS				

LINTEL SCHEDULE

MARK	DIAGRAM	BOND BEAM (W x H)	REINFORCING	STEEL	NOTES
L1				W8x28 W/ 5/16" x 1'-3" BOTTOM PLATE	
L2				L5x5x5/16 LOOSE LINTEL	
L3		W x 16	(2) #5 CONT, EA COURSE		
L4		W x 24	(2) #5 CONT, TOP & BOT		
L5				W8x13 W/ 5/16" x 0'-8" BOTTOM PLATE (CENTERED)	



STEEL LINTEL DETAILS (CMU BACKUP)

LINTEL NOTES

1. LINTELS FOR ARCHITECTURAL OPENINGS (WINDOWS, DOORS, LOUVERS) IN BEARING WALLS AND EXTERIOR WALLS ARE IDENTIFIED BY MARK NUMBER ON THE FRAMING PLAN(S) AND INCLUDED IN THE LINTEL SCHEDULE.
2. LINTELS FOR ARCHITECTURAL OPENINGS IN NON-LOAD BEARING WALLS AND OTHER WALLS WHICH ARE NOT INDICATED ON THE FRAMING PLAN(S) SHALL BE CONSTRUCTED PER NOTES A, B OR C BELOW.

   A. STEEL ANGLE LINTELS

   PROVIDE ONE ANGLE FOR EACH NOMINAL 4" OF WALL THICKNESS PER THE FOLLOWING SCHEDULE.

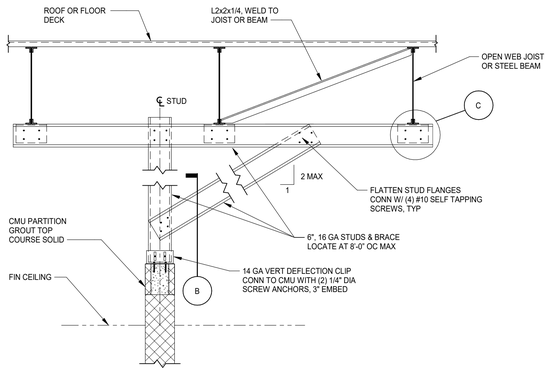
MASONRY OPENING	ANGLE SIZE
UP TO 5'-0"	L3 1/2x3 1/2x 5/16
5'-1" TO 6'-0"	L4x3 1/2x 5/16 (LLV)
6'-1" TO 7'-0"	L5x3 1/2x 3/8 (LLV)
OVER 7'-0"	AS DETAILED

   FOR OPENINGS IN 10" CMU, HORIZONTAL LEGS OF ANGLES SHALL BE A COMBINATION OF 5" AND 4".

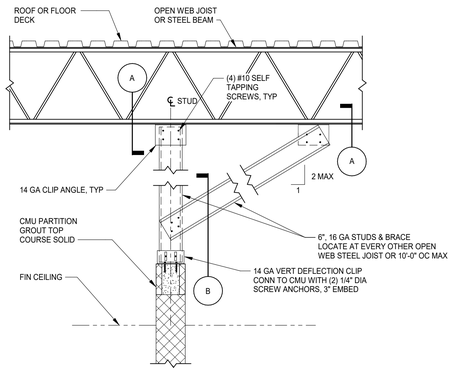
   FOR OPENINGS IN 6" CMU REQUIRING STEEL LINTELS, USE WT7x11 UP TO 7'-0" OPENING.

   B. REINFORCED BOND BEAM LINTELS

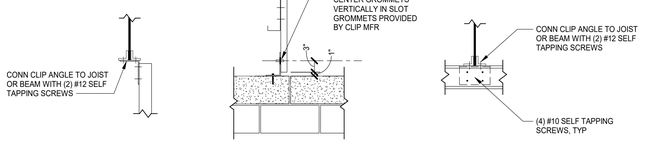
   LINTELS SHALL MATCH THICKNESS OF WALL. REINFORCE 8", 10" AND 12" BOND BEAM WITH (2) #5 BARS AT BOTTOM. REINFORCE 6" BOND BEAM WITH (1) #5 BAR AT BOTTOM. BOND BEAM SHALL BE 8" DEEP FOR OPENING WIDTH UP TO 5'-0", AND SHALL BEAR 8" ON SOLID MASONRY EACH END. BOND BEAM SHALL BE 16" DEEP FOR OPENING WIDTH UP TO 8'-0" AND SHALL BEAR 16" ON SOLID MASONRY EACH END WITH REINFORCING TOP AND BOTTOM. PLACE GROUT MONOLITHICALLY IN BOTH COURSES OF 16" DEEP BOND BEAM.
3. LINTELS FOR MECHANICAL DUCTWORK PENETRATIONS NOT OTHERWISE DETAILED SHALL BE ONE OF THE ABOVE (NOTE 2A, OR 2B).
4. LINTELS SHALL BEAR 8" ONTO SOLID OR GROUT FILLED MASONRY, UNLESS OTHERWISE INDICATED.
5. LINTELS ARE REQUIRED OVER ALL MASONRY OPENINGS GREATER THAN 8" IN WIDTH.
6. LINTELS ARE NOT REQUIRED ABOVE HOLLOW METAL FRAMES IN OPENINGS 3'-4" OR LESS IN 6" NON-BEARING MASONRY PARTITIONS. GROUT HEAD OF FRAMES SOLID BEFORE PLACING MASONRY.
7. ALL LINTELS IN EXTERIOR WALLS SHALL BE GALVANIZED.



LOW WALL PARALLEL TO JOIST OR BEAM



LOW WALL PERPENDICULAR TO JOIST OR BEAM



SECTION A | **SECTION B** | **DETAIL C**

NOTES:

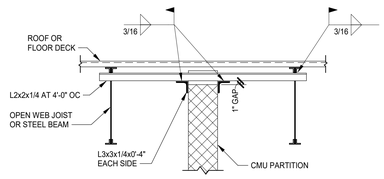
1. BRACE INTERIOR NON-LOAD BEARING MASONRY WALLS IN ACCORDANCE WITH THESE DETAILS UNLESS OTHERWISE INDICATED.
2. IN LIEU OF BRACING AT TOPS OF WALLS, BRACING MAY BE PROVIDED BY INTERSECTING MASONRY WALLS WHEN THE DISTANCE BETWEEN THE INTERSECTING WALLS DOES NOT EXCEED THE FOLLOWING:

NOMINAL THICKNESS OF BRACED WALLS	MAXIMUM SPACING BETWEEN INTERSECTING WALLS
4"	12'-0"
6"	16'-0"
8"	22'-0"
10"	26'-0"
12"	30'-0"

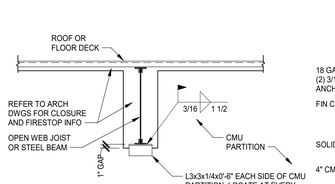
3. BRACING IS REQUIRED IN ACCORDANCE WITH THESE DETAILS IF A VERTICAL CONTROL JOINT OCCURS BETWEEN INTERSECTING WALLS.
4. REFER TO ARCHITECTURAL DRAWINGS FOR INTERIOR PARTITION TYPES AND LOCATIONS.
5. INSTALL BRACING AFTER ALL ROOF DEAD LOAD IS IN PLACE.

BRACING DETAILS FOR NON-LOAD BEARING INTERIOR MASONRY PARTITIONS

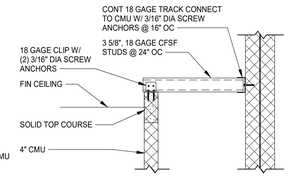
NO SCALE



WALL TO UNDERSIDE OF DECK PARALLEL TO JOISTS



WALL TO UNDERSIDE OF DECK PERPENDICULAR TO JOISTS



4" CMU TOP OF WALL BRACING

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

SOUTH CAROLINA — MOSELEY ARCHITECTS No. 3983 — CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA — No. 27310 — STEVEN M. COOK — REGISTERED PROFESSIONAL ENGINEER

3-28-2023

MAYO HIGH SCHOOL TOILET RENOVATION

DCSD SOLICITATION NO.: FAC2223-04
DARLINGTON COUNTY SCHOOL DISRICT
100 MAGNOLIA ST, DARLINGTON, SC 29532

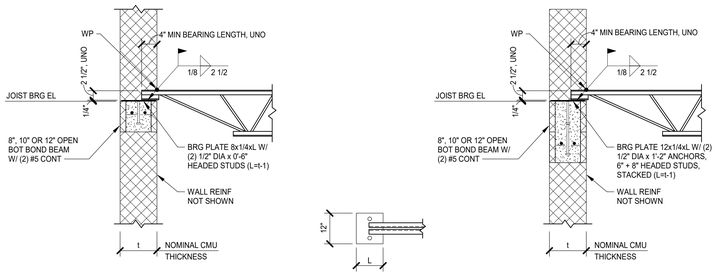
PROJECT NO: 624003
DATE: MARCH 28, 2023

REVISIONS	
DATE	DESCRIPTION

TYPICAL MASONRY WALL AND LINTEL DETAILS

S4.0.1

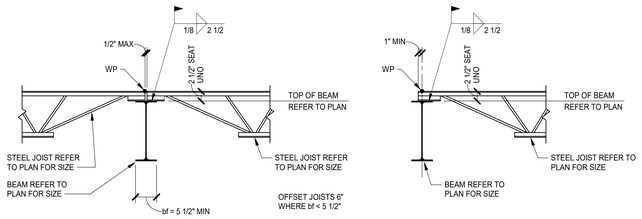
3/27/2023 11:29:43 AM



SECTION AT FLOOR **PLAN DETAIL** **SECTION AT ROOF**

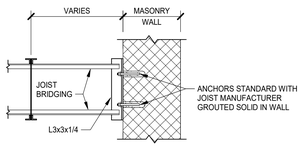
TYPICAL K SERIES STEEL JOIST ANCHORAGE DETAILS AT CMU WALLS

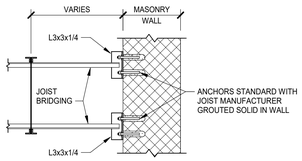
NO SCALE



CONNECTION OF K SERIES STEEL JOIST TO STEEL BEAM

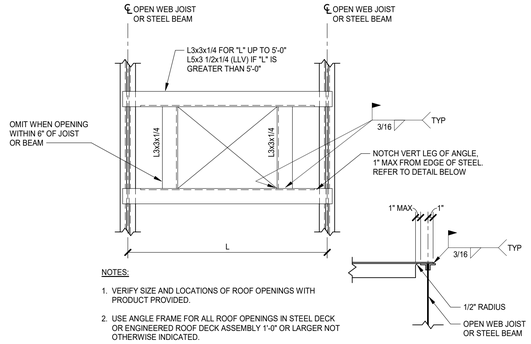
NO SCALE





K SERIES STEEL JOIST BRIDGING ANCHORAGE

NO SCALE

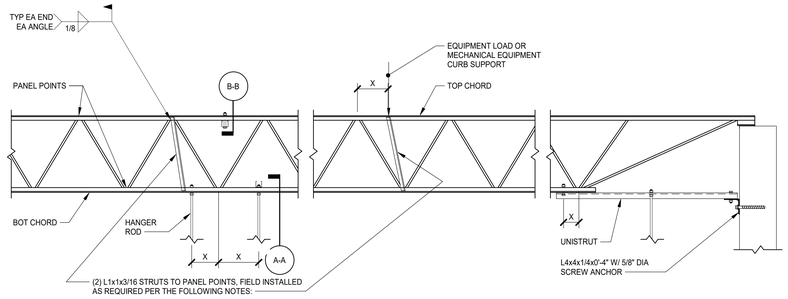


NOTES:

1. VERIFY SIZE AND LOCATIONS OF ROOF OPENINGS WITH PRODUCT PROVIDED.
2. USE ANGLE FRAME FOR ALL ROOF OPENINGS IN STEEL DECK OR ENGINEERED ROOF DECK ASSEMBLY 1'-0" OR LARGER NOT OTHERWISE INDICATED.

ROOF OPENING SUPPORT DETAIL

NO SCALE



K-SERIES JOISTS:

1. WHERE UTILITIES RUN PARALLEL TO JOISTS, INDIVIDUAL HANGERS SHALL BE SPACED SUCH THAT HANGER LOAD (IF DIRECTLY BELOW JOIST), OR UNISTRUT REACTION (IF PIPE IS BETWEEN JOISTS) DOES NOT EXCEED 200 LBS.
2. WHERE UTILITIES RUN PERPENDICULAR TO JOISTS, INDIVIDUAL HANGERS SHALL BE SPACED SUCH THAT HANGER LOAD DOES NOT EXCEED 200 LBS.
3. IF INDIVIDUAL HANGER LOAD EXCEEDS 200 LBS ON ANY JOIST, AND DIMENSION 'X' EXCEEDS 6", STRUTS SHALL BE INSTALLED AS INDICATED ABOVE.
4. WHERE MULTIPLE HANGERS ARE LOCATED BETWEEN PANEL POINTS, THE CUMULATIVE LOAD SHALL NOT EXCEED 200 LBS.

KCS AND LH-SERIES JOISTS:

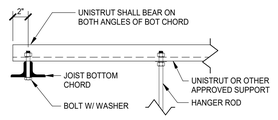
1. WHERE UTILITIES RUN PARALLEL TO JOISTS, INDIVIDUAL HANGERS SHALL BE SPACED SUCH THAT HANGER LOAD (IF DIRECTLY BELOW JOIST), OR UNISTRUT REACTION (IF PIPE IS BETWEEN JOISTS) DOES NOT EXCEED 500 LBS.
2. WHERE UTILITIES RUN PERPENDICULAR TO JOISTS, INDIVIDUAL HANGERS SHALL BE SPACED SUCH THAT HANGER LOAD DOES NOT EXCEED 500 LBS, OR HANGER SHALL BE LOCATED AT EA JOIST.
3. IF INDIVIDUAL HANGER LOAD EXCEEDS 500 LBS ON ANY JOIST, AND DIMENSION 'X' EXCEEDS 6", STRUTS SHALL BE INSTALLED AS INDICATED ABOVE.
4. WHERE MULTIPLE HANGERS ARE LOCATED BETWEEN PANEL POINTS, THE CUMULATIVE LOAD SHALL NOT EXCEED 500 LBS.

GENERAL:

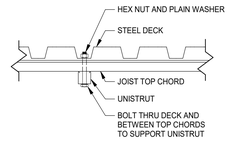
1. C-CLAMPS SHALL NOT BE USED WHERE HANGER LOAD EXCEEDS 50 LBS.
2. REFER TO DRAWING S0.0.1 FOR STEEL JOIST NOTES.

NOTE:
THE GENERAL CONTRACTOR SHALL COORDINATE THESE REQUIREMENTS FOR HANGER SPACING AND JOIST REINFORCING STRUTS WITH MECHANICAL, PLUMBING, AND FIRE PROTECTION TRADES IN ORDER TO ENSURE THAT THESE REQUIREMENTS ARE ACCOUNTED FOR IN THE BID PRICE AND IMPLEMENTED IN THE FIELD. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE REINFORCING STRUTS IN ALL CASES WHERE THE HANGER LOAD EXCEEDS THE MAXIMUM. IF HANGER LOCATIONS ARE COORDINATED TO COMPLY WITH THE MAXIMUM HANGER LOADS INDICATED IN THIS DETAIL, THE NUMBER OF JOIST REINFORCING STRUTS WILL BE MINIMIZED.

NOTE: CONTRACTOR SHALL PROVIDE DESIGN OF HANGER ASSEMBLY. C-CLAMPS PERMITTED WHEN LOAD IS LESS THAN 50 LBS



SECTION A-A



SECTION B-B

TYPICAL LOAD SUPPORTED FROM JOIST DETAIL

NO SCALE

ROOF WIND PRESSURE DIAGRAM

1/8" = 1'-0"

ROOF WIND PRESSURE DIAGRAM NOTES:

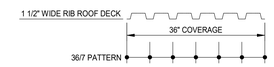
1. PRESSURES INDICATED ARE FOR ALLOWABLE STRESS DESIGN PER ASCE 7.
2. EFFECTIVE WIND AREA SHALL BE DETERMINED IN ACCORDANCE WITH ASCE 7.
3. ROOF IS ZONE 1, UNO.
4. ZONE 2 IS INDICATED BY:
5. ZONE 2' IS INDICATED BY:
6. ZONE 3 IS INDICATED BY:
7. ZONE 3' IS INDICATED BY:
8. INTERIOR REGIONS OF WALLS ARE ZONE 4 AND CORNER REGIONS OF WALLS ARE ZONE 5.
9. (+) INDICATES PRESSURES ACTING TORWARDS ROOF (INWARDS).
   (-) INDICATES PRESSURES ACTING AWAY FROM ROOF (OUTWARDS).
10. ROOF DEAD LOAD SHALL BE TAKEN AS 10 PSF FOR UPLIFT RESISTANCE.

GROSS WIND PRESSURE				
ZONE	AREA ≤ 10 FT²	AREA ≤ 20 FT²	AREA ≤ 50 FT²	AREA ≤ 100 FT²
1	+10 PSF / -17 PSF	+10 PSF / -17 PSF	+10 PSF / -17 PSF	+10 PSF / -17 PSF
2	+10 PSF / -20 PSF	+10 PSF / -20 PSF	+10 PSF / -19 PSF	+10 PSF / -19 PSF
2'	+10 PSF / -24 PSF	+10 PSF / -24 PSF	+10 PSF / -23 PSF	+10 PSF / -23 PSF
3	+10 PSF / -26 PSF	+10 PSF / -24 PSF	+10 PSF / -21 PSF	+10 PSF / -19 PSF
3'	+10 PSF / -37 PSF	+10 PSF / -33 PSF	+10 PSF / -28 PSF	+10 PSF / -24 PSF
4	+15 PSF / -16 PSF	+14 PSF / -15 PSF	+13 PSF / -14 PSF	+13 PSF / -14 PSF
5	+15 PSF / -19 PSF	+14 PSF / -18 PSF	+13 PSF / -17 PSF	+13 PSF / -15 PSF

STEEL DECK SCHEDULE

DECK TYPE 1	1 1/2" - 20 GAGE WIDE RIB ROOF DECK, GALVANIZED	FASTEN TO ALL SUPPORTS WITH #12 TEK SCREWS AT A 36/7 PATTERN, AND AT 6" OC AT ALL EDGES AND END LAPS. FASTEN SIDELAPS WITH (6) #10 TEK SCREWS PER SPAN (9" OC MAX).

STEEL DECK FASTENER LAYOUT



MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

SOUTH CAROLINA — CERTIFICATE OF AUTHORIZATION — MOSELEY ARCHITECTS No. 3983

SOUTH CAROLINA — PROFESSIONAL ENGINEER — No. 27310 — STEVEN M COOK — 3-28-2023

MAYO HIGH SCHOOL TOILET RENOVATION

DCSD SOLICITATION NO.: FAC2223-04
DARLINGTON COUNTY SCHOOL DISRICT
100 MAGNOLIA ST, DARLINGTON, SC 29532

PROJECT NO: 624003
DATE: MARCH 28, 2023

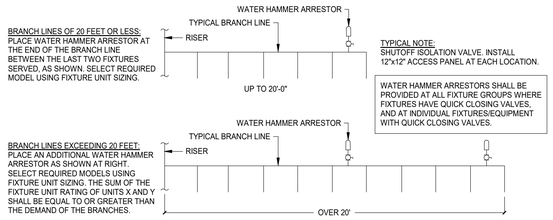
REVISIONS

DATE	DESCRIPTION

TYPICAL FRAMING DETAILS

S4.0.2

3/27/2023 11:29:43 AM



BRANCH LINES OF 20 FEET OR LESS:
PLACE WATER HAMMER ARRESTOR AT THE END OF THE BRANCH LINE BETWEEN THE LAST TWO FIXTURES SERVED, AS SHOWN. SELECT REQUIRED MODEL USING FIXTURE UNIT SIZING.

BRANCH LINES EXCEEDING 20 FEET:
PLACE AN ADDITIONAL WATER HAMMER ARRESTOR AS SHOWN AT RIGHT. SELECT REQUIRED MODELS USING FIXTURE UNIT SIZING. THE SUM OF THE FIXTURE UNIT RATING OF UNITS X AND Y SHALL BE EQUAL TO OR GREATER THAN THE DEMAND OF THE BRANCHES.

TYPICAL NOTE:
SHUTOFF SQUATION VALVE. INSTALL 12"x12" ACCESS PANEL AT EACH LOCATION.

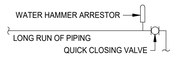
WATER HAMMER ARRESTORS SHALL BE PROVIDED AT ALL FIXTURE GROUPS WHERE FIXTURES HAVE QUICK CLOSING VALVES, AND AT INDIVIDUAL FIXTURES/EQUIPMENT WITH QUICK CLOSING VALVES.

P.D.I. WATER HAMMER ARRESTORS

LENGTH OF PIPE	NOMINAL PIPE DIAMETERS					
	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
25'	A	A	B	C	D	E
50'	A	B	C	D	E	F
75'	B	C	D	AE	F	EF
100'	C	D	E	F	CF	FF
125'	C	D	F	AF	EF	EFF
150'	D	E	F	DF	FF	FFF

WHEN LONG RUNS OF PIPING ARE EMPLOYED TO SERVE REMOTE EQUIPMENT, WATER HAMMER ARRESTOR SHOULD BE LOCATED AS CLOSE AS POSSIBLE TO THE POINT OF QUICK CLOSURE OR HAMMER SOURCE.

THE SIZE AND QUANTITY OF WATER HAMMER ARRESTORS TO BE INSTALLED IN BRANCH LINES IS SHOWN IN TABLE. WHEN FLOW PRESSURE OF 65 PSIG TO 85 PSIG ARE USED, THE NEXT LARGER SIZE SHOULD BE SELECTED.



WATER HAMMER ARRESTOR CAPACITIES

CONN. SIZE	PDI SIZE	FIXTURE UNIT CAPACITY	CUBIC INCH VOLUME
1/2"	A	1 TO 11	5
3/4"	B	12 TO 32	7
1"	C	33 TO 60	11
1"	D	61 TO 113	20
1"	E	114 TO 154	29
1"	F	155 TO 330	34

NOTE: MATCH TOTAL FIXTURE UNITS OF BRANCH LINE TO CORRECT SIZE OF WATER HAMMER ARRESTOR.

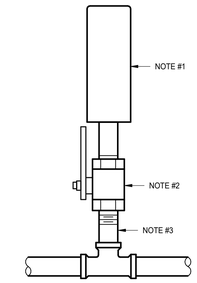
SHOCK ABSORBER SELECTION

CODE	PDI SIZE	FIXTURE UNITS
SA-1	A	1-11
SA-2	B	12-32
SA-3	C	33-60
SA-4	D	61-113
SA-5	E	114-154
SA-6	F	155-330

SHOCK ABSORBER SELECTION TABLE

WATER HAMMER ARRESTOR INSTALLATION & SIZING DETAIL

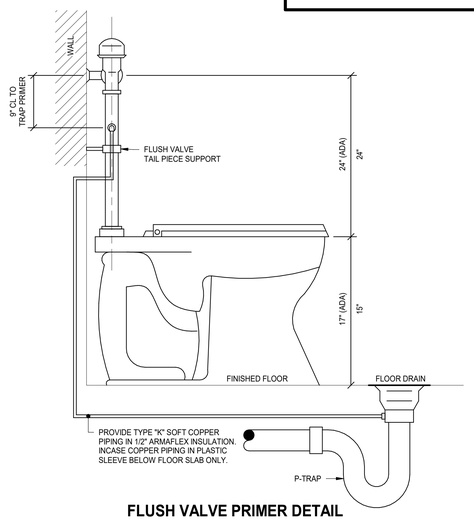
NO SCALE



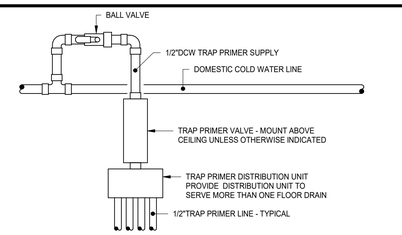
NOTES:
1. WATER HAMMER ARRESTOR.
2. BALL VALVE. VALVE SIZE SHALL BE EQUAL TO NOMINAL SIZE OF ARRESTOR OUTLET (MINIMUM 1/2").
3. BRANCH PIPE EQUAL TO NOMINAL SIZE OF ARRESTOR OUTLET (MINIMUM 1/2").

WATER HAMMER ARRESTOR DETAIL

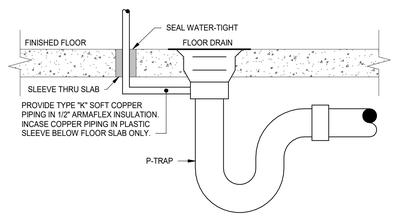
NO SCALE



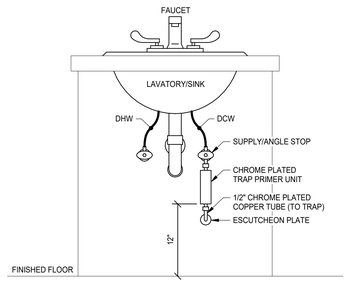
FLUSH VALVE PRIMER DETAIL



NOTES:
1. PRIMERS, VALVES, AND ASSOCIATED PIPING SHALL BE INSTALLED IN ACCESSIBLE LOCATIONS.
2. PROVIDE DISTRIBUTION UNIT SIZED FOR NUMBER OF DRAINS TO BE SERVED BY EACH INDIVIDUAL PRIMER.
3. DISTRIBUTION UNIT SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.



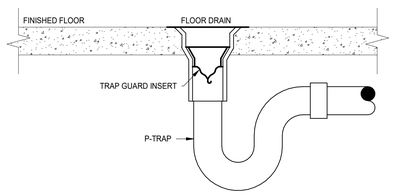
MECHANICAL PRIMER DETAIL



UNDER-LAV/SINK TRAP PRIMER DETAIL

TRAP PRIMER ASSEMBLY DETAILS

NO SCALE



TRAP GUARD INSERT DETAIL

ABBREVIATIONS

@	AT	EWC	ELECTRIC WATER COOLER	OSD	OPEN SITE DRAIN
AAV	AIR ADMITTANCE VALVE	EWH	ELECTRIC WATER HEATER	PC	PRECAST
ABV	ABOVE	EX	EXISTING	PCF	POUNDS PER CUBIC FOOT
AC-X	AIR COMPRESSOR DESIGNATION	EXP	EXPANSION	PD	PUMP DISCHARGE
ADJ	ADJUSTABLE	FCO	FLOOR CLEANOUT	PLUMB	PLUMBING
ADNL	ADDITIONAL	FD	FLOOR DRAIN	PLYWD	PLYWOOD
AFF	ABOVE FINISHED FLOOR	FDC	FIRE DEPARTMENT CONNECTION	POLY	POLYETHYLENE
AFG	ABOVE FINISHED GRADE	FF	FINISHED FLOOR	PPT	PRESSURE PRESERVATIVE TREATED
AHU	AIR HANDLING UNIT	FFE	FINISHED FLOOR ELEVATION	PREFAB	PREFABRICATE(D)
ALT	ALTERNATE	FG	FINISHED GRADE	PROJ	PROJECT
ALUM	ALUMINUM	FH	FIRE HYDRANT	PSF	POUNDS PER SQUARE FOOT
AP	ACCESS PANEL	FHC	FIRE HOSE CABINET	PSI	POUNDS PER SQUARE INCH
APPR	APPROXIMATE	FHS	FIRE HOSE STATION	PV	PROPANE VENT
ARCH	ARCHITECTURAL	FHVC	FIRE HOSE VALVE CABINET	PVC	POLYVINYL CHLORIDE
AUTO	AUTOMATIC	FIX	FIXTURE	PVMT	PAVEMENT
AVG	AVERAGE	FLR	FLOOR	R	RISER
BFF	BELOW FINISHED FLOOR	FLSHG	FLASHING	RAD	RADIUS
BFG	BELOW FINISHED GRADE	FOR	FUEL OIL RETURN	RCP-X	RECIRCULATION PUMP DESIGNATION
BLDG	BUILDING	FOS	FUEL OIL SUPPLY	RD	ROOF DRAIN (BOTTOM OUTLET)
BO	BOTTOM OF	FOV	FUEL OIL VENT	RDS	ROOF DRAIN (SIDE OUTLET)
BOT	BOTTOM	FS	FLOOR SINK	REF	REFERENCE
BSMT	BASEMENT	FSD	FOUNDATION SUB-DRAIN	REQD	REQUIRED
BTWN	BETWEEN	FT	FOOT OR FEET	REQMT	REQUIREMENTS
CA	COMPRESSED AIR	FVC	FIRE VALVE CABINET	RL	RAIN LEADER
CI	CAST IRON	G	GAS	RM	ROOM
CIP	CAST-IN-PLACE CONCRETE	GCO	GRADE CLEANOUT	RO	ROUGH OPENING
CL	CENTERLINE	GWH	GAS WATER HEATER	RV	RADON VENT
CLG	CEILING	HB	HOSE BIBB	S	SOUTH
CLR	CLEAR	HORIZ	HORIZONTAL	SAN	SANITARY
CMP	CORRUGATED METAL PIPE	HP	HORSEPOWER	SCH	SCHEDULE
CNTR	COUNTER	HR-X	HOSE REEL DESIGNATION	SD	STORM DRAINAGE PIPING
CO	CLEANOUT	HTG	HEATING	SDN	STORM DRAIN NOZZLE
COL	COLUMN	HW	HOT WATER	SF	SQUARE FOOT/FEET
CONC	CONCRETE	HWR	HOT WATER RETURN	SHT	SHEET
CONDS	CONDENSATE	HWS	HOT WATER SUPPLY	SIM	SIMILAR
CONSTR	CONSTRUCT(ION)	ID	INSIDE DIAMETER	SLT	SEALANT
CONT	CONTINUATION	IN	INCH	SOG	SLAB ON GRADE
CONTR	CONTRACT(-OR)	INSUL	INSULATE OR INSULATION	SP	SUMP PUMP
CORR	CORRIDOR	INV	INVERT	SPEC	SPECIFICATION
CP	CIRCULATING PUMP	JAN	JANITOR	SPR	SPRINKLER
CR	CLASSROOM	KIT	KITCHEN	SQ	SQUARE
CT	COOLING TOWER	KW	KITCHEN WASTE	SRD	SECONDARY ROOF DRAIN
CU	COPPER	LAB	LABORATORY	SS	STAINLESS STEEL
CU FT	CUBIC FEET	LAV	LAVATORY	SSD	SECONDARY STORM DRAINAGE PIPING
CU YD	CUBIC YARD	LBS	POUNDS	STD	STANDARD
CW	COLD WATER	LF	LINEAR FOOT (FEET)	STL	STEEL
DB	DRY BULB	LP	PROPANE	STOR	STORAGE
DCW	DOMESTIC COLD WATER	LPV	PROPANE VENT	STRUCT	STRUCTURAL
DEMO	DEMOLISH OR DEMOLITION	MATL	MATERIAL	SUSP	SUSPENDED
DF	DRINKING FOUNTAIN	MAX	MAXIMUM	TD	TRENCH DRAIN
DHR	DOMESTIC HOT WATER RETURN	MECH	MECHANICAL	THK	THICK(-NESS)
DHR(140)	DOMESTIC HOT WATER RETURN (140°)	MED	MEDIUM	TLT	TOILET
DHW	DOMESTIC HOT WATER	MFR	MANUFACTURER	TMV	THERMOSTATIC MIXING VALVE
DHW(140)	DOMESTIC HOT WATER (140°)	MH	MANHOLE	TOSL	TOP OF SLAB
DI	DROP INLET	MIN	MINIMUM	TW	DOMESTIC TEMPERED WATER (90° F)
DIA	DIAMETER	MISC	MISCELLANEOUS	TYP	TYPICAL
DIP	DUCTILE IRON PIPE	MTD	MOUNTED	UG	UNDERGROUND
DN	DOWN	N	NORTH	UNO	UNLESS NOTED (INDICATED) OTHERWISE
DR-X	COMPRESSED AIR DRYER DESIGNATION	N/A	NOT APPLICABLE/AVAILABLE	V	VENT
DS	DOWNSPOUT	NC	NORMALLY CLOSED	VAC	VACUUM
DT	DRAIN TILE	NG	NATURAL GAS	VB	VACUUM BREAKER
DTL	DETAIL	NGV	NATURAL GAS VENT	VERT	VERTICAL
DTW	DOMESTIC TEMPERED WATER	NIC	NOT IN CONTRACT	VTR	VENT THROUGH ROOF
DWG	DRAWING	NO	NORMALLY OPEN	W	WEST
DWP	DOMESTIC WATER BOOSTER PUMP	NO., (#)	NUMBER	W/	WITH
E	EAST	NOM	NOMINAL	W/O	WITHOUT
ED	EMERGENCY SECONDARY ROOF DRAIN	OC	ON CENTER	WB	WATER HAMMER ARRESTER
ELEC	ELECTRICAL	OD	OUTSIDE DIAMETER	WC	WATER CLOSET
ELEV	ELEVATION	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED	WCO	WALL CLEANOUT
EPBD	ELECTRICAL PANELBOARD	OFF	OFFICE	WSHP	WATER SOURCE HEAT PUMP
EQ	EQUAL	OH	OVERHEAD	WWF	WELDED WIRE FABRIC
EQUIP	EQUIPMENT	OPNG	OPENING	WWM	WELDED WIRE MESH
ETR	EXISTING TO REMAIN	OPP	OPPOSITE	XFMR	TRANSFORMER

GRAPHICS SYMBOLS LEGEND

- X" XXX — PIPE WITH SIZE AND SERVICE
- FLOW IN DIRECTION OF ARROW
- 1/8" FT — PITCH DOWN IN DIRECTION OF ARROW AT INDICATED SLOPE
- PIPE CAP
- PIPE TURNED DOWN
- PIPE TURNED UP
- PIPE TEE UP
- PIPE TEE DOWN
- UNION
- CONCENTRIC PIPE REDUCTION
- CO — END OF LINE CLEANOUT PLUG
- CO — FLOOR CLEANOUT
- WCO — WALL CLEANOUT
- CO (GCO) — YARD CLEANOUT (CLEANOUT TO GRADE)
- FD-1 — FLOOR DRAIN WITH TAG
- FS-1 — FLOOR SINK WITH TAG
- PRESSURE GAUGE WITH GAUGE COCK
- LIQUID FILLED THERMOMETER
- A — WATER HAMMER ARRESTOR (PLUMBING & DRAINAGE INSTITUTE SIZE INDICATED)
- FS — FLOW SWITCH
- TEMPERATURE/PRESSURE PLUG
- VALVE
- VALVE IN RISER
- GAS COCK
- VENTURI FLOW METER
- MANUAL BALANCING VALVE
- AUTOMATIC BALANCING VALVE WITH FLOW TAPS
- SWING CHECK VALVE
- PRESSURE REDUCING VALVE
- S — SOLENOID OPERATED VALVE
- T&P — TEMPERATURE AND PRESSURE RELIEF VALVE
- BACKWATER VALVE
- HOSE BIBB OR WALL HYDRANT
- REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER
- DOUBLE CHECK BACKFLOW PREVENTER
- PUMP

- POINT OF CONNECTION TO EXISTING
- LIMIT OF DEMOLITION
- 30 — KEYNOTE
- 8 — STRUCTURAL GRID LINE WITH DESIGNATION
- A123 — **SPACE IDENTIFICATION TAG**: SPACE NUMBER; BUILDING AREA (WHEN USED)
- AHU-02 — **EQUIPMENT IDENTIFICATION TAG**: EQUIPMENT NUMBER; UNIT DESIGNATION
- **SECTION WHERE CUT**: A / P6.1 — SECTION LETTER; DRAWING WHERE SECTION IS INDICATED
- **ENLARGED PLAN WHERE CUT**: 1 / P6.1 — ENLARGED PLAN NUMBER; DRAWING WHERE ENALRGED PLAN IS INDICATED
- **DETAIL TAG**: 1 / P6.1 — DETAIL NUMBER; DRAWING WHERE DETAIL IS INDICATED
- **SANITARY RISER TAG**: S1 / P6.1 — SANITARY RISER IDENTIFIER; DRAWING WHERE SANITARY RISER IS TAGGED
- **DOMESTIC RISER TAG**: D1 / P6.1 — DOMESTIC RISER IDENTIFIER; DRAWING WHERE SANITARY RISER IS TAGGED

1 DETAIL TITLE — 1/4"=1'-0"
P2.2 / P6.2 / P2.3 / P2.4
- DETAIL NUMBER
- DRAWING WHERE DETAIL IS INDICATED
- DRAWING WHERE DETAIL IS CUT
- ADDITIONAL DRAWING REFERENCES

S1 SANITARY RISER DIAGRAM — 1/4"=1'-0"
P2.2 / P6.2 / P2.3 / P2.4
- SANITARY RISER DIAGRAM IDENTIFIER
- DRAWING WHERE SANITARY RISER IS INDICATED
- DRAWING WHERE SANITARY RISER IS TAGGED
- ADDITIONAL DRAWING REFERENCES

D1 DOMESTIC RISER DIAGRAM — 1/4"=1'-0"
P2.2 / P6.2 / P2.3 / P2.4
- DOMESTIC RISER DIAGRAM IDENTIFIER
- DRAWING WHERE DOMESTIC RISER IS INDICATED
- DRAWING WHERE DOMESTIC RISER IS TAGGED
- ADDITIONAL DRAWING REFERENCES

G1 FUEL GAS RISER DIAGRAM — 1/4"=1'-0"
P2.2 / P6.2 / P2.3 / P2.4
- FUEL GAS RISER DIAGRAM IDENTIFIER
- DRAWING WHERE FUEL GAS RISER IS INDICATED
- DRAWING WHERE FUEL GAS RISER IS TAGGED
- ADDITIONAL DRAWING REFERENCES

PLUMBING FIXTURE SCHEDULE

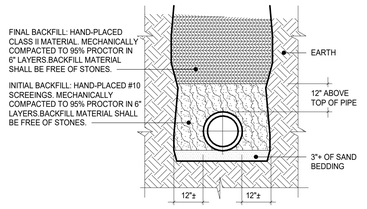
TAG	FIXTURE	HEIGHT A.F.F.	PIPE SIZE					NOTES
			COLD WATER	TEPID WATER	HOT WATER	VENT	SOIL WASTE	
EWC-1	BI-LEVEL WATER COOLER (ACCESSIBLE)	TOP OF BUBBLER AT 39", LOWER AT 34"	1/2"			2"	1 1/2"	1
LA-1	WALL-HUNG LAVATORY (ACCESSIBLE)	RIM AT 34"	1/2"		1/2"	2"	1 1/2"	1
UR-1	URINAL (ACCESSIBLE)	RIM AT 17"	3/4"			2"	2"	1,2
UR-2	URINAL	RIM AT 24"	3/4"			2"	2"	2
WC-1	FLOOR MOUNTED WATER CLOSET (ACCESSIBLE)	TOP OF SEAT 17"	1"			2"	4"	1,2
WC-2	FLOOR MOUNTED WATER CLOSET	TOP OF SEAT 15"	1"			2"	4"	2

NOTES:
1. THIS ACCESSIBLE FIXTURE, ACCESSORIES AND INSTALLATION SHALL CONFORM TO THE USBC AND ASAD ADA STANDARDS FOR ACCESSIBLE DESIGN.
2. LOCATE FLUSH ACTUATORS ON WIDE SIDE OF STALLS OR APPROACH AREAS.

DRAIN AND CLEANOUT SCHEDULE

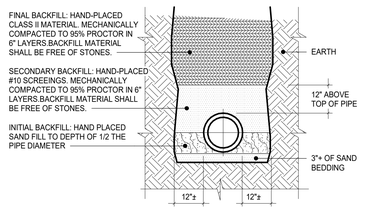
TAG	BASIS OF DESIGN		STRAINER/GRATE	NOTES
	MANUFACTURER	MODEL		
3"FD-1	ZURN	1726	5" ROUND	1
WCO	ZURN	Z1441	4" PIPE	

1. PROVIDE TRAP PRIMER CONNECTION AND EXTENSION.



CAST IRON PIPE BEDDING DETAIL

NO SCALE



PVC PIPE BEDDING DETAIL

NO SCALE

GENERAL NOTES

A. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.

B. COORDINATE PIPING LOCATIONS AND INSTALLATION WITH EACH TRADE TO AVOID CONFLICTS WITH OTHER TRADES.

C. PROVIDE FLOOR CLEANOUTS INDICATED FLUSH WITH FLOOR FINISHES.

D. PROVIDE CLEANOUTS WHERE INDICATED AND ADDITIONAL CLEANOUTS AS REQUIRED BY LOCAL CODE.

E. REFER TO DRAWINGS FROM EACH DISCIPLINE BEFORE ROUGHING-IN PLUMBING FIXTURES.

F. OBTAIN DIMENSIONS AND ROUTING IN FIELD BEFORE INSTALLATION OF PLUMBING AND FIXTURES.

G. INSTALL ALL DRAINAGE PATTERN FITTINGS AND PIPING IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL CODES.

H. REFER TO STRUCTURAL DRAWINGS FOR DETAILS AND MAXIMUM SPACING REQUIREMENTS REGARDING HANGER ATTACHMENTS TO STEEL BAR JOISTS.

I. PROVIDE ISOLATION VALVES IN ACCORDANCE WITH DIAGRAMS, DETAILS, AND DIVISION 22 SPECIFICATIONS.

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

SOUTH CAROLINA — PROFESSIONAL ENGINEER — No. 26273 — 03/28/23 — JUSTIN C. CARLSON

SOUTH CAROLINA — MOSELEY ARCHITECTS No. 3983 — CERTIFICATE OF AUTHORIZATION

MAYO HIGH SCHOOL TOILET RENOVATION

DCSD SOLICITATION NO.: FAC2223-04
DARLINGTON COUNTY SCHOOL DISTRICT
405 CHESTNUT ST, DARLINGTON, SC 29532

PROJECT NO: 624003
DATE: MARCH 28, 2023

REVISIONS

DATE	DESCRIPTION

LEGENDS, ABBREVIATIONS, SCHEDULES, DETAILS AND GENERAL NOTES

P0.1

3/27/2023 11:37:18 AM

KEYNOTES

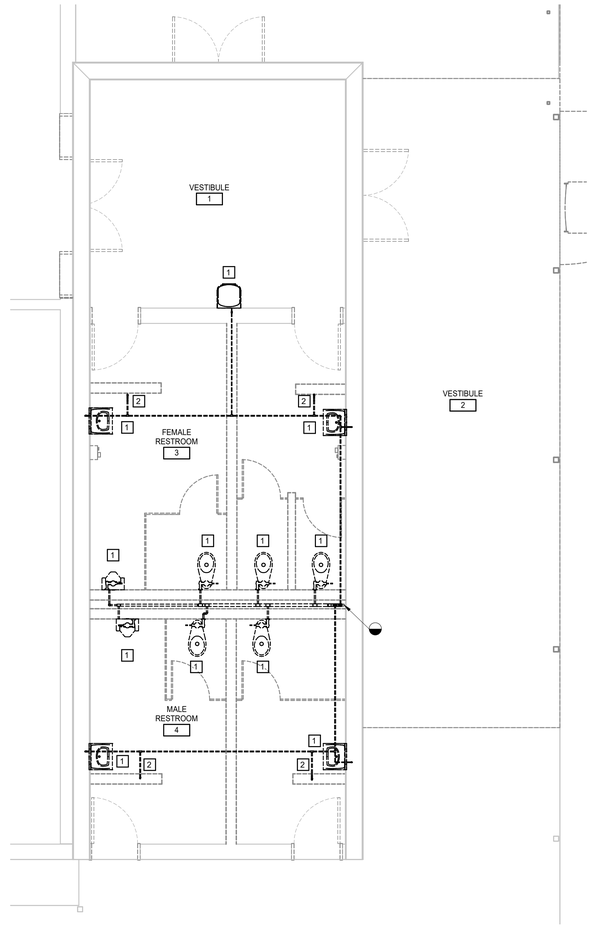
APPLIES TO THIS DRAWING

1 REMOVE EXISTING PLUMBING FIXTURES AND ALL ASSOCIATED PIPING, FITTINGS, AND ACCESSORIES COMPLETE BACK TO POINT INDICATED. PREPARE AND TEMPORARILY CAP PIPING FOR NEW CONNECTION.

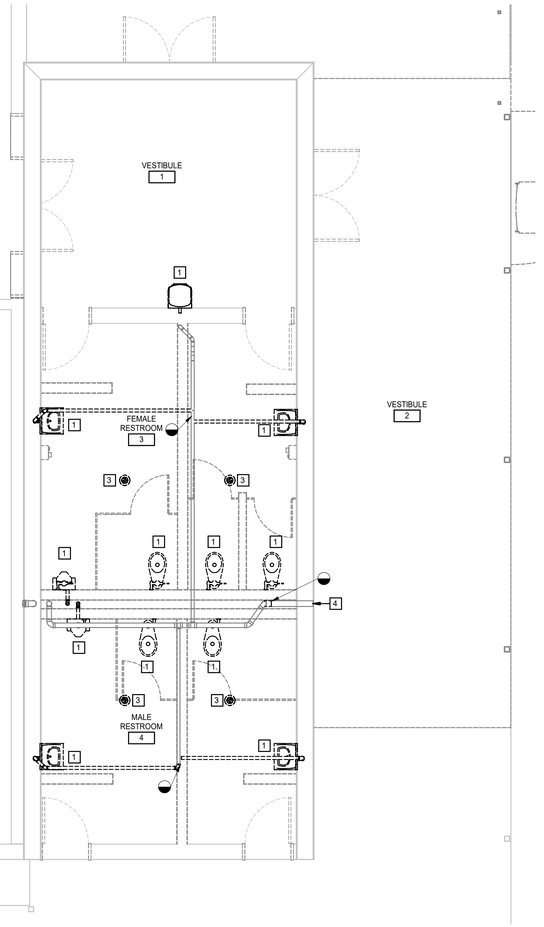
2 REMOVE EXISTING HOSE BIBB AND ASSOCIATED DCW BACK TO POINT INDICATED. PREPARE AND TEMPORARILY CAP PIPING FOR NEW CONNECTION.

3 REMOVE EXISTING FLOOR DRAIN AND ALL ASSOCIATED PIPING BACK TO POINT INDICATED. PREPARE AND TEMPORARILY CAP PIPING FOR NEW CONNECTION.

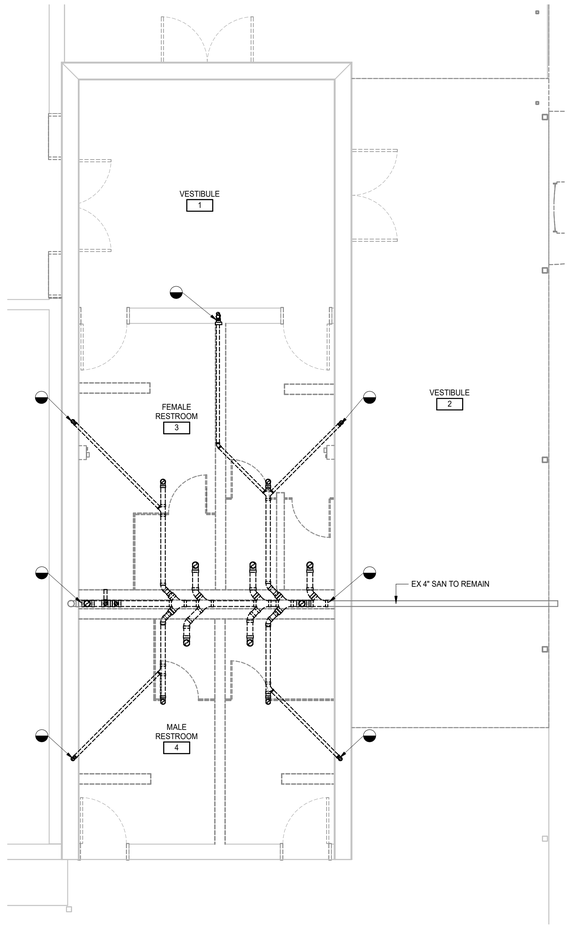
4 CLEAN AND PREPARE EXISTING WALL CLEAN OUT PIPING FOR NEW WALL CLEAN OUT COVER PLATE.



3 FIRST FLOOR PLAN - DEMOLITION - DOMESTIC
1/4" = 1'-0"



2 FIRST FLOOR PLAN - DEMOLITION - SANITARY
1/4" = 1'-0"



1 FOUNDATION PLAN - DEMOLITION - SANITARY
1/4" = 1'-0"

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

SOUTH CAROLINA PROFESSIONAL ENGINEER
No. 26273
03/28/23
JUSTIN R CARLSON

SOUTH CAROLINA
MOSELEY ARCHITECTS
No. 3983
CERTIFICATE OF AUTHORIZATION

MAYO HIGH SCHOOL TOILET RENOVATION

DCSD SOLICITATION NO.: FAC2223-04
DARLINGTON COUNTY SCHOOL DISTRICT
405 CHESTNUT ST, DARLINGTON, SC 29532

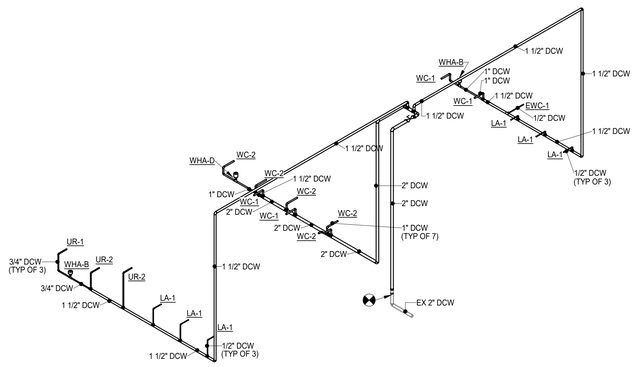
PROJECT NO: 824003
DATE: MARCH 28, 2023

REVISIONS	
DATE	DESCRIPTION

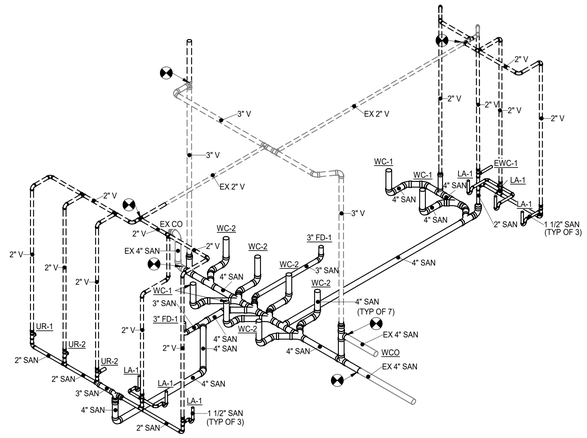
FIRST FLOOR PLAN - DEMOLITION - PLUMBING

P1.1

3/27/2023 11:37:19 AM

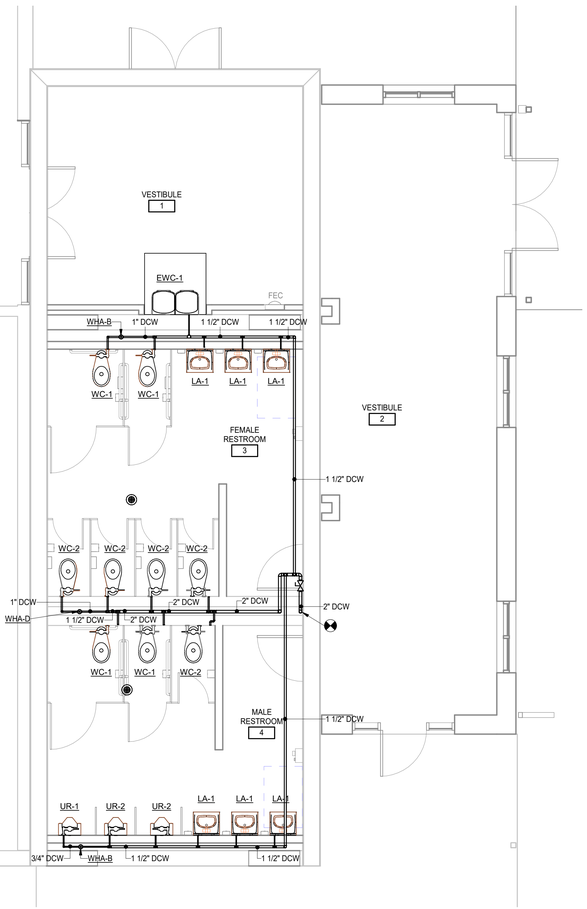


D5 RISER DIAGRAM - DOMESTIC
NO SCALE

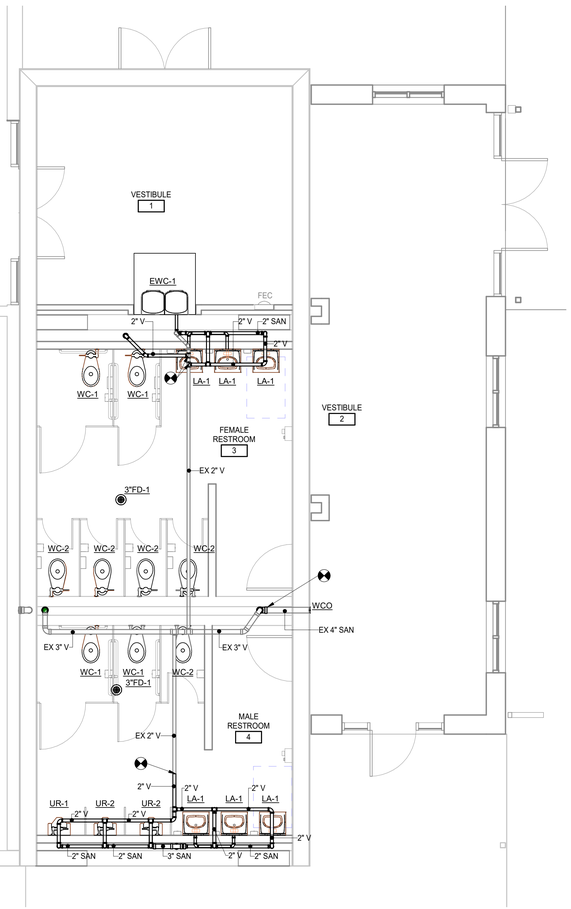


S4 RISER DIAGRAM - SANITARY
NO SCALE

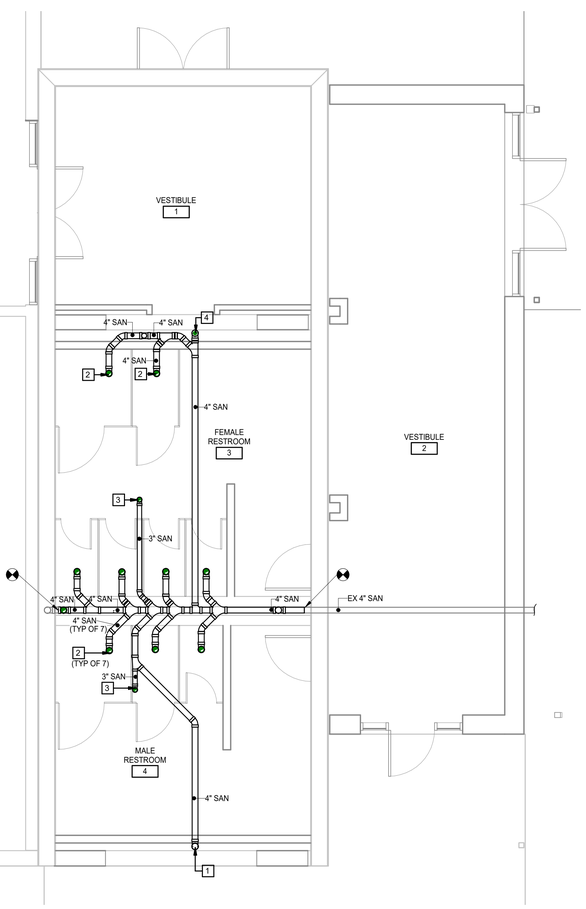
KEYNOTES	
APPLIES TO THIS DRAWING	
1	4" SAN UP.
2	4" SAN UP TO WATER CLOSET.
3	3" SAN UP TO FLOOR DRAIN.
4	3" SAN UP.



3 FIRST FLOOR PLAN - NEW WORK - DOMESTIC
1/4" = 1'-0"



2 FIRST FLOOR PLAN - NEW WORK - SANITARY
1/4" = 1'-0"



1 FOUNDATION PLAN - NEW WORK - SANITARY
1/4" = 1'-0"

MOSELEY ARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

SOUTH CAROLINA PROFESSIONAL ENGINEER
No. 26273
03/28/23
JUSTIN P. CARLSON

SOUTH CAROLINA
MOSELEY ARCHITECTS
No. 3983
CERTIFICATE OF AUTHORIZATION

MAYO HIGH SCHOOL TOILET RENOVATION

DCSD SOLICITATION NO.: FAC2223-04
DARLINGTON COUNTY SCHOOL DISTRICT
405 CHESTNUT ST, DARLINGTON, SC 29532

PROJECT NO: 624003
DATE: MARCH 28, 2023

REVISIONS	
DATE	DESCRIPTION

FIRST FLOOR PLAN - NEW WORK - PLUMBING

P2.1

3/27/2023 11:37:21 AM

EQUIPMENT ABBREVIATION

AHU	AIR-HANDLING UNIT
AS	AIR SEPARATOR
B	BOILER
BCU	BLOWER COIL UNIT
CCC	CLOSED-CIRCUIT COOLING TOWER
CH	CHILLER
CHWP	CHILLED WATER PUMP
CRAC	COMPUTER ROOM AIR CONDTIONER
CT	COOLING TOWER
CUH	CABINET UNIT HEATER
CWP	CONDENSER WATER PUMP
ECH	ELECTRIC CEILING HEATER
ERU	ENERGY RECOVERY UNIT
ERV	ENERGY RECOVERY VENTILATOR
ET	EXPANSION TANK
EUH	ELECTRIC UNIT HEATER
FCU	FAN COIL UNIT
HP	HEAT PUMP
HWP	HOT WATER PUMP
HX	HEAT EXCHANGER
MAU	MAKEUP AIR UNIT
OAU	OUTDOOR AIR UNIT
P	PUMP
PTAC	PACKAGED TERMINAL AIR CONDITIONER
PTHP	PACKAGED TERMINAL HEAT PUMP
RTU	ROOFTOP UNIT
SSI	SPLIT-SYSTEM INDOOR UNIT
SSO	SPLIT-SYSTEM OUTDOOR UNIT
TU	TERMINAL UNIT
UH	UNIT HEATER
WSHP	WATER-SOURCE HEAT PUMP

CONTROLS ABBREVIATIONS

AF	AIRFLOW
AI	ANALOG INPUT TO CONTROLLER
ALM	ALARM
AMS	AIRFLOW MEASURING STATION
AO	ANALOG OUTPUT FROM CONTROLLER
ATS	AVERAGING TEMPERATURE SENSOR
BAS	BUILDING AUTOMATION SYSTEM
BI	BINARY INPUT TO CONTROLLER
BO	BINARY OUTPUT FROM CONTROLLER
CO2	CARBON DIOXIDE SENSOR
CSR	CURRENT-SENSING RELAY
DM	DAMPER MOTOR
DP	DIFFERENTIAL PRESSURE
DPT	DIFFERENTIAL PRESSURE TRANSMITTER
FM	FLOW METER
FZ	FREEZESTAT
HS	HUMIDITY SENSOR
POS	POSITION
R	RELAY
SD	SMOKE DETECTOR
SPD	SPEED
SS	START/STOP
STS	STATUS
TS	TEMPERATURE SENSOR
VFD	VARIABLE-FREQUENCY DRIVE

ABBREVIATIONS

A	AMPERE(S)
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE
APD	AIR PRESSURE DROP
BHP	BRAKE HORSEPOWER
BTUH	BRITISH THERMAL UNITS PER HOUR
CFM	CUBIC FEET PER MINUTE
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CLG	COOLING
COM	COMMON
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY
D	DRAIN
DB	DRY BULB TEMPERATURE
dBA	A-WEIGHTED DECIBELS
DCW	DOMESTIC COLD WATER
DIA	DIAMETER
DN	DOWN
DWG	DRAWING
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EER	ENERGY EFFICIENCY RATIO
EQ	EQUAL
ESP	EXTERNAL STATIC PRESSURE
EWT	ENTERING WATER TEMPERATURE
EX	EXISTING
F	DEGREES FAHRENHEIT
FC	FAIL CLOSED
FD	FIRE DAMPER
FLA	FULL LOAD AMPS
FO	FAIL OPEN
FPM	FEET PER MINUTE
FT	FOOT, FEET
GA	GAUGE
GAL	GALLON(S)
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HP	HORSEPOWER
HPWR	HEAT PUMP WATER RETURN
HPWS	HEAT PUMP WATER SUPPLY
HTG	HEATING
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
HX	HEAT EXCHANGER
HZ	HERTZ
IN	INCH
IPLV	INTEGRATED PART-LOAD VALUE
KW	KILOWATT(S)
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MBH	ONE THOUSAND BTUH
MCA	MINIMUM CIRCUIT AMPACITY
MFR	MANUFACTURER
MIN	MINIMUM
MOCP	MAXIMUM OVERCURRENT PROTECTION
MOD	MOTOR-OPERATED DAMPER
NC	NORMALLY CLOSED (FOR PLANS, DETAILS)
NC	NOISE CRITERIA (FOR SCHEDULES)
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
OA	OUTSIDE AIR
OC	ON CENTER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
PH	PHASE
PSIG	POUNDS PER SQUARE INCH GAUGE
RA	RETURN AIR
RD	REFRIGERANT DISCHARGE
RH	RELATIVE HUMIDITY
RL	REFRIGERANT LIQUID
RPM	REVOLUTIONS PER MINUTE
RS	REFRIGERANT SUCTION
SA	SUPPLY AIR
SEER	SEASONAL ENERGY EFFICIENCY RATIO
TD	TRANSFER DUCT
TYP	TYPICAL
UNO	UNLESS NOTED (INDICATED) OTHERWISE
V	VOLTAGE, VOLTS
VD	VOLUME DAMPER
VFD	VARIABLE FREQUENCY DRIVE
W	WATT(S)
W/	WITH
W/O	WITHOUT
WB	WET BULB TEMPERATURE
WC	WATER COLUMN
WPD	WATER PRESSURE DROP
WWM	WELDED WIRE MESH

GRAPHIC SYMBOL LEGEND

CORRIDOR A101 — **SPACE TAG**: SPACE NAME, SPACE NUMBER, BUILDING "PART" NUMBER IN MULTI-PART BUILDING

AHU-12 — **EQUIPMENT TAG**: EQUIPMENT NUMBER, EQUIPMENT ABBREVIATION

S1 / 325 — **DIFFUSER, GRILLE OR REGISTER TAG**: TAG, REFER TO DIFFUSER, GRILLE AND REGISTER SCHEDULE; AIRFLOW (CFM)

1 / M5.1 — **DETAIL TAG**: DETAIL NUMBER, DRAWING WHERE DETAIL IS INDICATED

15 — KEYNOTE

C — STRUCTURAL GRID LINE WITH DESIGNATION

EXISTING TO BE REMOVED

1 / M2.2 / M5.1 / M2.3 / M2.4 — **DETAIL TITLE** 1/4"=1'-0": DETAIL NUMBER; DRAWING WHERE DETAIL IS INDICATED; DRAWING WHERE DETAIL IS REFERENCED; ADDITIONAL DRAWING REFERENCES

1 / M2.2 / M4.1 / M2.3 / M2.4 — **SECTION TITLE** 1/4"=1'-0": SECTION NUMBER; DRAWING WHERE SECTION IS INDICATED; DRAWING WHERE SECTION IS REFERENCED; ADDITIONAL DRAWING REFERENCES

1 / M4.1 — **SECTION CALLOUT**: SECTION NUMBER; DRAWING WHERE SECTION IS INDICATED

1 / M3.1 — **ENLARGED PLAN CALLOUT**: ENLARGED PLAN NUMBER; DRAWING WHERE ENLARGED PLAN IS INDICATED

MECHANICAL EQUIPMENT WITH REQUIRED SERVICE CLEARANCE INDICATED

DUCTWORK LEGEND

18x8	RECTANGULAR DUCT (FIRST DIMENSION REFERS TO SIDE VIEWED)
18ø	ROUND DUCT SIZE
18/12	FLAT OVAL DUCT SIZE
18ø	DOUBLE WALL, EXPOSED DUCT
18ø	FABRIC DUCT
	FLEXIBLE DUCTWORK
	FLEXIBLE CONNECTOR
SD	DUCT-MOUNTED SMOKE DETECTOR
	DUCT WITH DUCT LINER
	DUCT ACCESS DOOR
	DUCT WITH END CAP
	LINEAR SLOT DIFFUSER, LENGTH AS INDICATED
	LINEAR BAR GRILLE, LENGTH AS INDICATED
	SUPPLY DIFFUSER
	RETURN OR EXHAUST GRILLE
	SUPPLY DIFFUSER WITH DIRECTIONAL BLOW, SOLID HATCH INDICATES BLANK OFF PANEL
	POINT OF CONNECTION TO EXISTING
	LIMIT OF DEMOLITION
	SUPPLY AIRFLOW ARROW
	RETURN OR EXHAUST AIRFLOW ARROW
UC	DOOR UNDERCUT
DL	DOOR LOUVER
	SENSOR WELL

	MANUAL BALANCING DAMPER IN DUCT
	FIRE DAMPER IN DUCT
	SMOKE DAMPER IN DUCT
	COMBINATION FIRE/SMOKE DAMPER IN DUCT
SB	FIRE DAMPER WITH SECURITY BARS IN DUCT
SB	SMOKE DAMPER WITH SECURITY BARS IN DUCT
SB	COMBINATION FIRE/SMOKE DAMPER WITH SECURITY BARS IN DUCT
M	MOTORIZED DAMPER IN DUCT
	SMOKE CONTROL MANUAL BALANCING DAMPER IN DUCT
M	SMOKE CONTROL MOTORIZED DAMPER IN DUCT
SB	SECURITY BARS IN DUCT
AP	DUCT WITH ACCESS PANEL
TO / AWAY	SUPPLY/MAKEUP AIR DUCT SECTIONS
TO / AWAY	RETURN AIR DUCT SECTIONS
TO / AWAY	EXHAUST AIR DUCT SECTIONS
SD	SMOKE DETECTOR
H	HUMIDITY SENSOR
T	THERMOSTAT, LINE VOLTAGE
T	THERMOSTAT, LOW VOLTAGE
S	TEMPERATURE SENSOR
C	CARBON DIOXIDE SENSOR
CM	CARBON MONOXIDE SENSOR

PIPING LEGEND

CO	END OF LINE CLEANOUT PLUG
CO	CLEANOUT PLUG
	PRESSURE GAUGE WITH GAUGE COCK
	LIQUID FILLED THERMOMETER
	UNION
	STRAINER WITH BLOWDOWN VALVE AND 3/4" HOSE END CONNECTION
	FLEXIBLE PIPE CONNECTOR
MA	MANUAL AIR VENT

	VALVE
	MANUAL BALANCING VALVE WITH FLOW TAPS
	AUTOMATIC BALANCING VALVE WITH FLOW TAPS
	SWING CHECK VALVE
	PRESSURE REDUCING VALVE
	TRIPLE DUTY VALVE
	GAS COCK
P	PRESSURE-RELIEF VALVE
M	TWO-WAY CONTROL VALVE
M	THREE-WAY CONTROL VALVE
	DIRECTION OF FLOW

GENERAL NOTES

1. RUNOUT SIZES TO DIFFUSERS AND GRILLES ARE THE SAME AS THE DIFFUSER/GRILLE NECK SIZE UNLESS INDICATED OTHERWISE. PROVIDE RECTANGULAR TO ROUND TRANSITIONS WHERE THE BRANCH DUCT IS TALLER THAN THE TRUNK DUCT.

2. PROVIDE RECTANGULAR TO ROUND TRANSITION TO CONNECT FLEXIBLE DUCTWORK TO DIFFUSERS OR GRILLES WITH SQUARE OR RECTANGULAR NECK.

CONTROL SYMBOL LEGEND

	CIRCULATOR OR PUMP
	MOTORIZED 2-WAY VALVE
	MOTORIZED 3-WAY VALVE
VFD	VARIABLE FREQUENCY DRIVE
DDC	DIRECT DIGITAL CONTROLLER
T	THERMOSTAT
FZ	FREEZESTAT
C	CONTACTOR
R	RELAY
S	SPACE TEMPERATURE SENSOR
T	LINE VOLTAGE THERMOSTAT
H A	HAND-OFF-AUTOMATIC SWITCH
SD	DUCT-MOUNTED SMOKE DETECTOR
	TRANSFORMER
	FUSE

	NORMALLY OPEN CONTACT
	NORMALLY CLOSED CONTACT
	WIRING OR DEVICE PROVIDED UNDER DIVISION 23
	WIRING OR DEVICE NOT PROVIDED UNDER DIVISION 23
	WIRING CONNECTION BY DIVISION 23
	WIRING CONNECTION BY OTHERS
	NUMBER OF CONDUCTORS INDICATED BY SLASH MARKS
	MOTORIZED PARALLEL BLADE DAMPER
	MOTORIZED OPPOSED BLADE DAMPER
	MOTORIZED BUTTERFLY BLADE DAMPER
	SUPPLY, RETURN, OR EXHAUST FAN
	AIRFLOW DIRECTION
AI / TS	CONTROL POINT INDICATOR: INPUT OR OUTPUT (ANALOG INPUT); DEVICE TYPE (AIR TEMPERATURE SENSOR)
AI / TS	CONTROL POINT INDICATOR: INPUT OR OUTPUT (ANALOG INPUT); DEVICE TYPE (AIR TEMPERATURE SENSOR WITH AVERAGING ELEMENT)
AI / TS	CONTROL POINT INDICATOR: INPUT OR OUTPUT (ANALOG INPUT); DEVICE TYPE (WATER TEMPERATURE SENSOR WITH BULB TYPE ELEMENT IN PIPING WELL)
AI / CSR	CONTROL POINT INDICATOR: INPUT OR OUTPUT (ANALOG INPUT); DEVICE TYPE (CURRENT SENSING RELAY)

GENERAL NOTES

A. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.

B. DRAWINGS ARE DIAGRAMMATIC AND INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY. DO NOT SCALE DRAWINGS. LOCATIONS OF ALL ITEMS INDICATED ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS THAT ARE NOT DEFINITIVELY FIXED BY DIMENSIONS ARE APPROXIMATE. COORDINATE CONTRACT DOCUMENTS PROJECT REQUIREMENTS, WORK OF OTHERS, AND EQUIPMENT AND MATERIALS PURCHASED WITH FIELD DIMENSIONS, MANUFACTURER'S REQUIREMENTS FOR INSTALLATION, OPERATION, AND MAINTENANCE, CONTRACTOR'S INTENDED MEANS AND METHODS OF INSTALLATION, AND CONTRACTOR'S FABRICATED ITEMS TO ENSURE A PROPER FIT AND INSTALLATION.

C. MAINTAIN MAXIMUM HEADROOM AND SPACE CONDITIONS AT ALL POINTS. WHERE HEADROOM AND SPACE CONDITIONS APPEAR INADEQUATE, NOTIFY THE ARCHITECTS PRIOR TO PROCEEDING WITH INSTALLATION. MAINTAIN A MINIMUM OF 7'-0" CLEARANCE ABOVE FINISHED FLOOR TO UNDERSIDE OF PIPES, DUCTS, CONDUITS, SUSPENDED EQUIPMENT, ETC., THROUGHOUT ACCESS ROUTES IN MECHANICAL ROOMS.

D. FIELD VERIFY AND COORDINATE ALL DUCT AND PIPING DIMENSIONS BEFORE FABRICATION. MAKE MODIFICATIONS IN THE LAYOUT AS NEEDED TO PREVENT CONFLICT WITH WORK OF OTHER TRADES OR FOR PROPER EXECUTION OF THE WORK.

E. INSTALL ALL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS.

F. COORDINATE LOCATIONS AND SIZES OF ALL FLOOR, WALL, AND ROOF OPENINGS WITH ALL OTHER TRADES. COORDINATE ALL PIPING AND EQUIPMENT SUPPORTED FROM STRUCTURE WITH GENERAL CONSTRUCTION WORK.

G. PROVIDE TRAPPED DRAIN PIPING FROM DRAIN PANS OF ALL COOLING COILS, FANS AND OTHER ACTIVE DRAINS EXPOSED TO SYSTEM AIRSTREAM. PROVIDE TRAP AT CONNECTION WITH WATER SEAL DEPTH ONE INCH GREATER THAN UNIT OPERATING PRESSURE. DIRECT DRAINS TO NEAREST FLOOR DRAIN, MOP SINK, OR OTHER LOCATION APPROVED BY THE ARCHITECT.

H. INSTALL PIPING, DUCTWORK, AND CONDUIT CONCEALED IN AREAS HAVING CEILINGS AND/OR FURRED SPACES UNLESS OTHERWISE INDICATED.

I. ALL EQUIPMENT, VALVES, DAMPERS, DAMPER AND VALVE OPERATORS SHALL BE PROVIDED WITH ADEQUATE ACCESS FOR SERVICING, MAINTENANCE, AND REPLACEMENT.

J. SIZE ALL SPLIT-SYSTEM REFRIGERANT PIPING IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

K. DUCT DIMENSIONS MAY BE MODIFIED ONLY WITH PRIOR APPROVAL FROM ARCHITECT. DUCT DIMENSIONS ARE IN INCHES AND INSIDE CLEAR.

L. FOR LOCATION OF REGISTERS, GRILLES, AND DIFFUSERS WITHIN CEILING GRID, REFER TO ARCHITECTURAL REFLECTED CEILING PLANS.

M. ELEVATION INDICATED FOR RECTANGULAR DUCT, GRILLE AND LOUVER OPENINGS IS TO THE TOP OF ROUGH OPENING UNLESS OTHERWISE INDICATED. ELEVATION INDICATED FOR ROUND DUCTWORK AND PIPING IS TO CENTERLINE.

N. BRANCH PIPING RUNOUTS TO TERMINAL UNITS SHALL BE 3/4" DIAMETER UNLESS INDICATED OTHERWISE.

O. REFER TO STRUCTURAL DRAWINGS FOR DETAILS AND MAXIMUM SPACING REQUIREMENTS REGARDING HANGER ATTACHMENTS TO STEEL BAR JOISTS.

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER — No. 26273 — 03/28/23 — JUSTIN T. CARLSON

NORTH CAROLINA — MOSELEY ARCHITECTS No. 3983 — CERTIFICATE OF AUTHORIZATION

MAYO HIGH SCHOOL TOILET RENOVATION

DCSD SOLICITATION NO.: FAC2223-04
MAYO HIGH SCHOOL
405 CHESTNUT ST, DARLINGTON, SC 29532

PROJECT NO: 624003
DATE: MARCH 28, 2023

REVISIONS	
DATE	DESCRIPTION

LEGENDS, ABBREVIATIONS AND GENERAL NOTES

M0.1

3/27/2023 11:41:39 AM

ELECTRIC UNIT HEATER SCHEDULE

TAG	MFR	MODEL NUMBER	LOCATION	TYPE	HEATING CAPACITY (KW)	AIRFLOW (CFM)	ELECTRICAL DATA (V)	(PH)	(HZ)	WEIGHT (LBS)	NOTES
EUH-1	MARKEL	F3452T	TOILET ROOM	RECESSED WALL	2.0	175	208	1	60	55	1
EUH-2	MARKEL	F3452T	TOILET ROOM	RECESSED WALL	2.0	175	208	1	60	55	1

NOTES:
1. WALL MOUNTED RECESSED UNIT HEATER, BUILT IN THERMOSTAT AND DISCONNECT BY MANUFACTURER, SET THERMOSTAT TO 70 DEGREES F.

WALL MOUNTED HEAT PUMP SCHEDULE

TAG	MANUFACTURER	SUPPLY AIR (CFM)	OUTSIDE AIR	MODEL NUMBER	PACKAGED COOLING TOTAL CAPACITY (BTUH)	INDOOR EAT (°F) DB	WB	HEAT PUMP HEATING CAPACITY (BTUH)	EAT (°F)	LAT (°F)	AMBIENT AIR TEMPERATURE (°F)	ELECTRIC HEAT (KW)	ELECTRICAL DATA MCA (A)	MOCP (A)	SERVICE (V)	(PH)	(HZ)	WEIGHT (LBS)	NOTES
WMHP-1	BARD	1400	355 CFM	W42HCD-B	40,500	80	67	38,500	68.0	93.4	47	9	53.0	60	208	3	60	470	A,B,C,D,E

GENERAL NOTES:
A. SINGLE-POINT POWER CONNECTION, FACTORY (TOGGLE) DISCONNECT.
B. PROVIDE 2" PLEATED FILTER.
C. UNITS TO HAVE TEMPERATURE, HUMIDITY, OCCUPANCY, AND CO2 CONTROL CAPABILITY. SENSORS AND CONTROLLER BY CONTROLS CONTRACTOR.
D. PROVIDE ECM SUPPLY FAN MOTOR, SIDEWALL DISCHARGE AND RETURN AIR GRILLES BY MANUFACTURER.
E. PROVIDE ENERGY RECOVERY VENTILATOR AND HOT GAS REHEAT FOR HUMIDITY CONTROL.

GRILLE, REGISTER, & DIFFUSER SCHEDULE

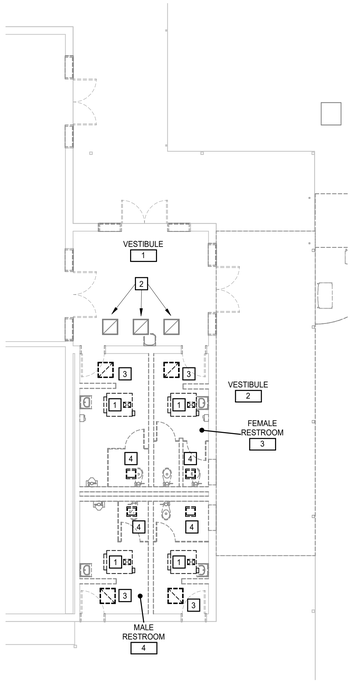
TAG	MANUFACTURER	MODEL NUMBER	NECK SIZE	FACE SIZE	MAX NC LEVEL	NOTES
E2	PRICE	530	12X12	14X14	25	1,2

1. PROVIDE WITH BORDER TYPE 3 FOR LAY-IN & BORDER TYPE 1 FOR CEILING/SURFACE MOUNTED. PROVIDE PLASTER FRAME WHEN SURFACE MOUNTED (IF AVAILABLE). COORDINATE WITH ARCHITECTURAL TO DETERMINE WHICH GRILLES/DIFFUSERS WILL BE SURFACE MOUNTED OR LAY-IN.
2. INCLUDE OPPOSED BLADE DAMPER, ACCESSIBLE THROUGH GRILLE WHERE AVAILABLE.

FAN SCHEDULE

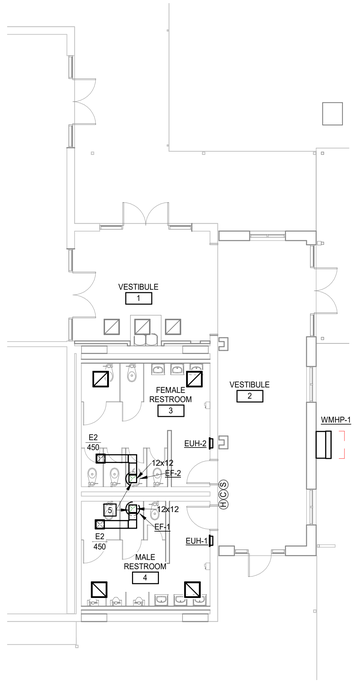
TAG	MANUFACTURER	MODEL NUMBER	SERVING	TYPE	AIRFLOW (CFM)	ESP (IN WC)	FAN WHEEL (RPM)	DRIVE TYPE	SONES	CONTROL METHOD	MOTOR (HP)	ELECTRICAL DATA (V)	(PH)	ELECTRICAL DATA (HZ)	WEIGHT (LBS)	NOTES
EF-1	GREENHECK	G-95-VG	TOILET ROOMS	ROOF MTD. CENTRIFUGAL	450	0.38 in-wg	1550	Direct	8.4	OCC SENSOR	1/4	120	1	60	43	1,2
EF-2	GREENHECK	G-95-VG	TOILET ROOMS	ROOF MTD. CENTRIFUGAL	450	0.38 in-wg	1550	Direct	8.4	OCC SENSOR	1/4	120	1	60	43	1,2

NOTES:
1. PROVIDE VARI-GREEN FAN MOTOR.
2. PROVIDE FAN WITH FUSED DISCONNECT SWITCH, GRAVITY BACKDRAFT DAMPER, ROOF CURB (IF ROOF MTD), SPEED CONTROLLER AND VIBRATION ISOLATORS.
3. FACTORY DISCONNECT SWITCH, BUILT IN THERMAL OVERLOAD PROTECTION, ROOF CURB, GREASE CUP/COLLECTOR, TEMPERATURE CONTROL INTERLOCK. VARIABLE SPEED FAN, VFD'S IN KITCHEN HOOD CONTROL PACKAGE.
4. PROVIDE FAN WITH INLET SCREEN/GUARD.
5. FAN CONTROLLED BY WALL MOUNTED TWIST TIMER, 0-30 MINUTE RANGE WITH LABEL INDICATING ROOM FAN CONTROL.
6. MANUFACTURERS DISCONNECT SWITCH, END SWITCH, MOTORIZED DAMPER, WALL HOUSING, MOTOR GUARD, GREENHECK LOUVER MODEL EDJ-430, VARI-GREEN MOTOR.



N

FIRST FLOOR PLAN - DUCTWORK DEMOLITION
1/8" = 1'-0"



N

FIRST FLOOR PLAN - DUCTWORK
1/8" = 1'-0"

KEYNOTES

APPLIES TO THIS DRAWING
REPRESENTED BY n

1. REMOVE CEILING MOUNTED FAN COIL UNIT AND ASSOCIATED HEATING HOT WATER PIPING BACK TO MAIN AND CAP. REMOVE ASSOCIATED WALL MOUNTED TEMPERATURE SENSORS AND CONTROL DEVICES.

2. EXISTING TRANSFER AIR GRILLE TO REMAIN.

3. REPLACE EXISTING AIR TRANSFER GRILLE WITH PRICE PDDR MODEL, MATCH EXISTING NECK AND PANEL SIZE.

4. REMOVE CEILING MOUNTED EXHAUST FAN, ASSOCIATED DUCTWORK AND TERMINATION DEVICE.

5. EXHAUST DUCT UP TO EXHAUST FAN ON ROOF, PROVIDE TRANSITIONS.

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER
No. 26273
03/28/23
JUSTIN T. CARLSON

SOUTH CAROLINA
MOSELEY ARCHITECTS
No. 3983
CERTIFICATE OF AUTHORIZATION

MAYO HIGH SCHOOL TOILET RENOVATION

DCSD SOLICITATION NO.: FAC2223-04
MAYO HIGH SCHOOL
405 CHESTNUT ST, DARLINGTON, SC 29532

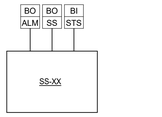
PROJECT NO: 624003
DATE: MARCH 28, 2023

REVISIONS	
DATE	DESCRIPTION

MECHANICAL PLAN & SCHEDULES

M1.0

3/27/2023 11:41:40 AM



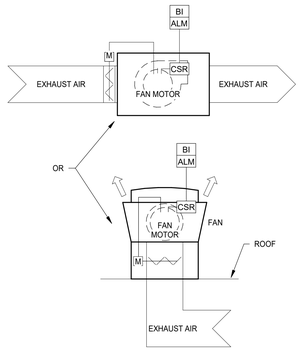
BI ALM — DRAIN PAN OVERFLOW

AI TS — SPACE TEMPERATURE SENSOR

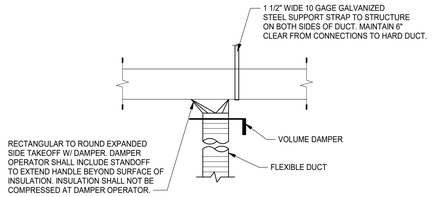
AI HS — SPACE HUMIDITY SENSOR

AI CO2 — SPACE CO2 SENSOR

HEAT PUMP UNIT
NO SCALE

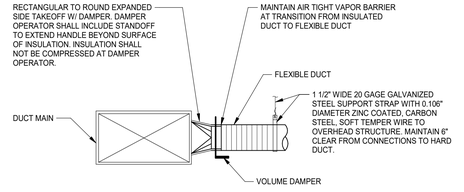


EXHAUST FAN MONITORING
NO SCALE



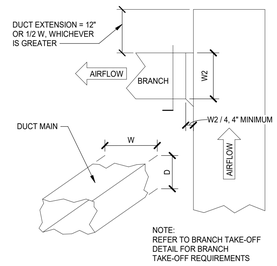
NOTES:
- FLEXIBLE DUCT SHALL BE INSTALLED OVER METAL DUCT (BEAD/LIP ON METAL DUCT) AND ANCHORED W/ A SINGLE NYLON MECHANICAL BAND.
- IN EXPOSED AREAS PROVIDE RIGID GALVANIZED STEEL DUCTWORK IN LIEU OF FLEXIBLE DUCTWORK INDICATED. SUPPORT IN ACCORDANCE WITH REQUIREMENTS SPECIFIED FOR STEEL DUCTWORK.

BRANCH TAKEOFF TO DIFFUSER-BOTTOM

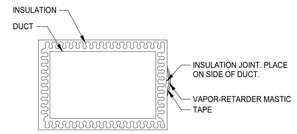


NOTES:
- FLEXIBLE DUCT SHALL BE INSTALLED OVER METAL DUCT (BEAD/LIP ON METAL DUCT) AND ANCHORED W/ A SINGLE NYLON MECHANICAL BAND.
- IN EXPOSED AREAS PROVIDE RIGID GALVANIZED STEEL DUCTWORK IN LIEU OF FLEXIBLE DUCTWORK INDICATED. SUPPORT IN ACCORDANCE WITH REQUIREMENTS SPECIFIED FOR STEEL DUCTWORK.

BRANCH TAKEOFF TO DIFFUSER-SIDE

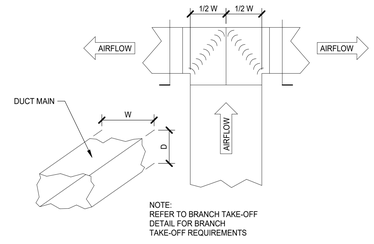


DUCT END OF MAIN DETAIL



REFER TO SPECIFICATION SECTION 230700 FOR ADDITIONAL INFORMATION.

DUCT INSULATION JOINT DETAIL

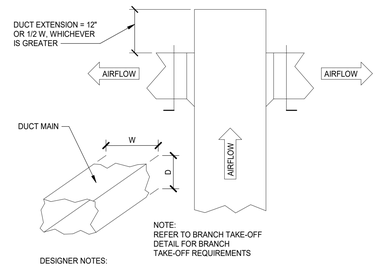


DESIGNER NOTES:

USE WHERE "W" EXCEEDS 24" OR WHEN AIR FLOW IS IN EXCESS OF 1500 CFM.

MAY BE PROPORTIONAL

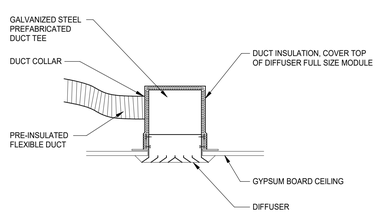
DUCT SPLIT WITH VANES DETAIL



DESIGNER NOTES:

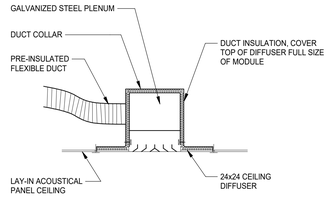
USE WHERE "W" IS LESS THAN 24", WHEN YOU HAVE ROUND DUCT BRANCHES TO DIFFUSERS, OR WHEN AIR FLOW IS EQUAL TO OR LESS THAN 1500 CFM.

DUCT SPLIT WITHOUT VANES DETAIL

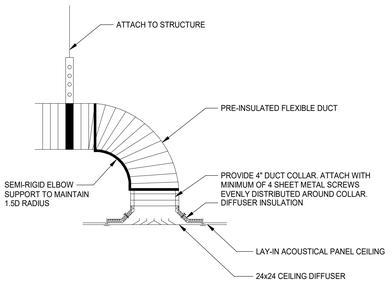


NOTE: THE DIFFUSER ASSEMBLY MAY BE SUPPORTED FROM THE CEILING FRAMING SYSTEM. THE DIFFUSER SHALL BE INSTALLED LEVEL AND TIGHT TO THE UNDERSIDE OF THE CEILING.

SUPPLY DIFFUSER CONNECTION GYP



SUPPLY DIFFUSER CONNECTION LAYIN



SUPPLY DIFFUSER CONNECTION LAYIN-COLLAR

MOSELEYARCHITECTS
6210 ARDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
PHONE (704) 540-3755 FAX (704) 540-3754
MOSELEYARCHITECTS.COM

SOUTH CAROLINA PROFESSIONAL ENGINEER
No. 26273
03/28/23
JUSTIN 'J' CARLSON

SOUTH CAROLINA CERTIFICATE OF AUTHORIZATION
MOSELEY ARCHITECTS
No. 3983

MAYO HIGH SCHOOL TOILET RENOVATION

DCSD SOLICITATION NO.: FAC2223-04
MAYO HIGH SCHOOL
405 CHESTNUT ST, DARLINGTON, SC 29532

PROJECT NO: 624003
DATE: MARCH 28, 2023

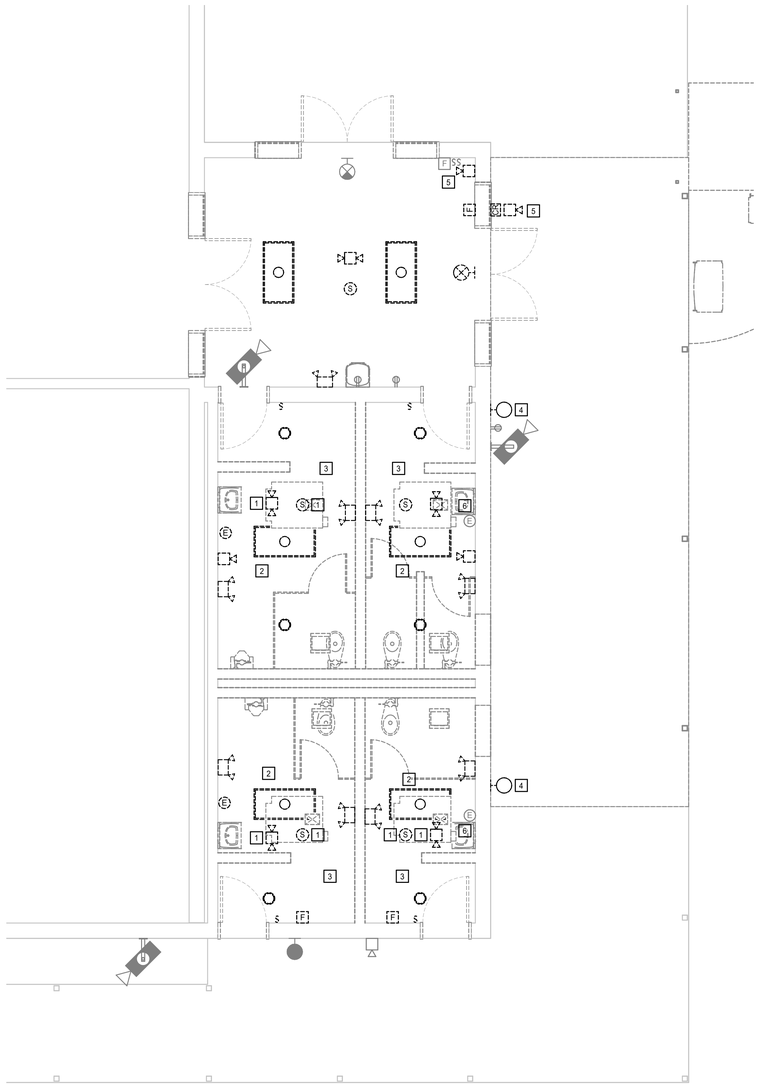
REVISIONS

DATE	DESCRIPTION

DETAILS

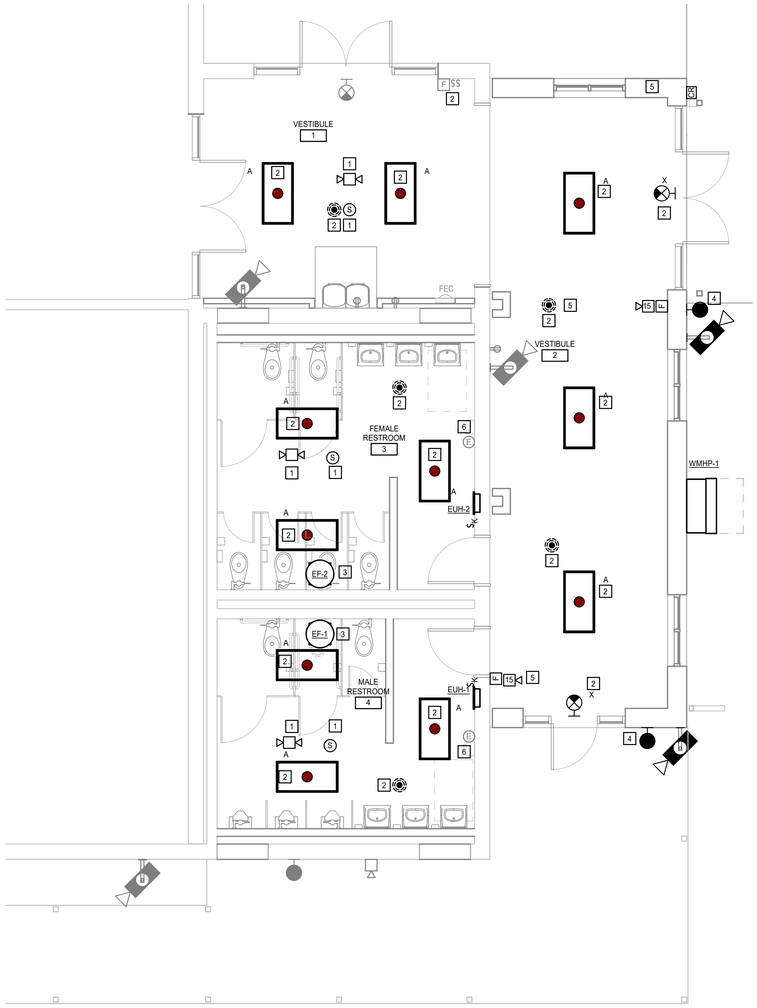
M5.1

3/27/2023 11:41:41 AM



FIRST FLOOR PLAN - ELECTRICAL DEMOLITION.

1/4" = 1'-0"

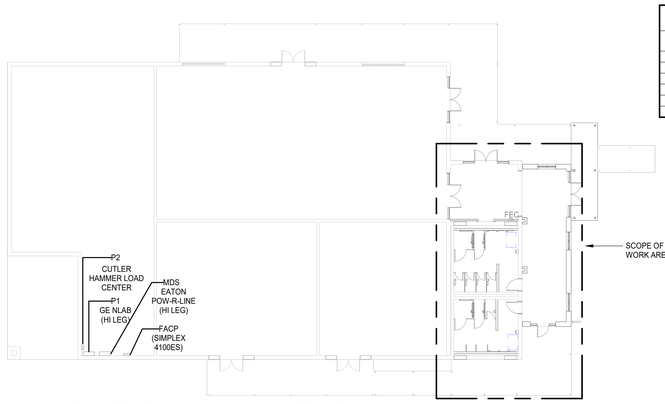


FIRST FLOOR PLAN - ELECTRICAL.

1/4" = 1'-0"

LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER	SERIES NO.	VOLTAGE	WATTAGE	LUMENS	TYPE	COLOR TEMP.	MOUNTING	OPTIONS	COMMENTS
A	2'X4' FLAT PANEL	LITHONIA	EPANL	MVOLT	45	4800 lm	LED	4000 K	RECESSED	BATTERY	PROVIDE FLANGE KIT AS REQUIRED
W	WALL PAK	LITHONIA	WPX1-P2		14	2900 lm	LED	4000 K	WALL	BATTERY	
X	EXIT SIGN	LITHONIA	LES-R		5		LED		UNIVERSAL	BATTERY	



FIRST FLOOR OVERALL PLAN - ELECTRICAL

NO SCALE

DIV 23 ELECTRICAL CONNECTION SCHEDULE

TAG	VOLTAGE	# POLES	LOAD	WIRE	DISCONNECTING MEANS	REMARKS
EF-1	120 V	1	0.5 kVA	2#12,#12G, 3/4"C	MOTOR RATED SWITCH WITH OVERLOAD	REFER TO PLAN NOTES
EF-2	120 V	1	0.5 kVA	2#12,#12G, 3/4"C	MOTOR RATED SWITCH WITH OVERLOAD	REFER TO PLAN NOTES
EF-3						
EUH-1	208 V	2	2.0 kVA	2#12,#12G, 3/4"C	MOTOR RATED SWITCH	PROVIDE A 20A/2 POLE BREAKER IN EXISTING PANEL P1
EUH-2	208 V	2	2.0 kVA	2#12,#12G, 3/4"C	MOTOR RATED SWITCH	PROVIDE A 20A/2 POLE BREAKER IN EXISTING PANEL P1
WMHP-1	208 V	3	19.1 kVA	3#4,#8G,1-1/4"C	PROVIDED WITH UNIT	PROVIDE A 60A/3 POLE BREAKER IN EXISTING MDP

LOAD TABULATIONS

P1
EXISTING LOAD: 126A (METER)
NEC 125%: 31.5A
ADDED LOAD: 8.2A
NEW LOAD: 164.7A
PANEL SIZE 400A

MDP
EXISTING LOAD: 436A (METER)
NEC 125%: 109A
ADDED LOAD: 53A + 8.2A = 62.2A
NEW LOAD: 607A
PANEL SIZE 800A

KEYNOTES

APPLIES TO THIS DRAWING
REPRESENTED BY n

1. RELOCATE EXISTING FIRE ALARM DEVICE TO THE REPLACEMENT CEILING.
2. CONNECT REPLACEMENT LIGHTING FIXTURE TO THE EXISTING LIGHT CIRCUIT. REWORK CONTROL AS INDICATED.
3. CONNECT REPLACEMENT FAN TO EXISTING MOTOR CIRCUIT. CONTROL MOTOR WITH LOCAL OCCUPANCY SENSOR FOR LIGHTS. SET SENSOR TO TURN OFF 15 MINUTES AFTER LACK OF OCCUPANCY.
4. RELOCATE EXISTING EXTERIOR LIGHTING AND EXTEND CIRCUIT TO FIXTURES.
5. RELOCATE EXISTING FIRE ALARM DEVICE AND CARD READER AS INDICATED AND RECONNECT TO EXISTING CIRCUITRY.
6. CONNECT REPLACEMENT HAND DRYER TO THE EXISTING CIRCUIT.
7. PROVIDE 4X4 BOX AND CONDUIT TO ACCESSIBLE CEILING FOR OWNER PROVIDED CAMERA. MATCH MOUNTING HEIGHT OF EXISTING CAMERAS.

GENERAL NOTES

A. FIELD VERIFY THE VOLTAGE OF THE LIGHTING AND FAN IN THE SCOPE OF THE WORK AND ADJUST ACCORDING PRIOR TO ORDERING MATERIAL. RELAY AND COORDINATE THIS INFORMATION TO THE MECHANICAL CONTRACTOR.

B. PROVIDE AN UNSWITCH CONDUCTOR TO THE BATTERY INPUT FOR THE DRIVER AND TO POWER ALL EXIT SIGNS.

C. TURN UN-USED FIRE ALARM DEVICES OVER TO OWNER.

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
S	LIGHT SWITCH, RATED 120/277 VOLTS, 20-AMPS, MOUNT AT +3'-10"AFF. SUBSCRIPT/SUPERSCRIPT LETTERS, NUMBERS, AND SYMBOLS INDICATES SWITCH TYPE AS FOLLOWS: S_3 INDICATES 3-WAY LIGHT SWITCH S_D INDICATES DIMMER SWITCH S_K INDICATES KEY OPERATED LIGHT SWITCH S_{OS} INDICATES SWITCH WITH INTEGRAL OCCUPANCY SENSOR S_{OD} INDICATES DIMMER SWITCH WITH INTEGRAL OCCUPANCY SENSOR LOWER CASE LETTER INDICATES LIGHT FIXTURE CONTROL DESIGNATION
	CEILING MOUNT OMNI-DIRECTIONAL LIGHTING CONTROL OCCUPANCY DETECTOR WITH TWO CONTACT CLOSURES, ONE FOR LIGHTS AND ONE FOR FAN
	LIGHT FIXTURE, CEILING MOUNT.
	LIGHT FIXTURE WITH BATTERY DRIVER, CEILING MOUNT.
	EXIT SIGN, CEILING MOUNT. DIRECTIONAL ARROWS AS INDICATED. SHADING INDICATES FACE(S) OF SIGN.
	EXIT SIGN, WALL MOUNT. DIRECTIONAL ARROWS AS INDICATED. SHADING INDICATES FACE(S) OF SIGN.
M	FIRE ALARM AUDIO/VISUAL NOTIFICATION DEVICE, MOUNT AT 80" AFF AND NOT MORE THAN 96". SUBSCRIPT NUMBER INDICATES STROBE CANDELA RATING.
M	FIRE ALARM AUDIO/VISUAL NOTIFICATION DEVICE, CEILING MOUNTED. SUBSCRIPT NUMBER INDICATES STROBE CANDELA RATING.
F	FIRE ALARM MANUAL PULL STATION, MOUNT AT +3'-10"AFF.
S	SMOKE DETECTOR, CEILING MOUNT.
	DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6"AFF.
	DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +3'-10"AFF.
	DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +7'-6"AFF.
E	EQUIPMENT POWER CONNECTION.
	MOTOR CONNECTION.
	BRANCH CIRCUIT RUN CONCEALED, UNO. DASHED INDICATES CIRCUITRY REQUIRED TO BE RUN BELOW SLAB.
	BRANCH CIRCUIT HOME RUN TO PANELBOARD AND CIRCUIT INDICATED.
	PANELBOARD.
T	TRANSFORMER, PROVIDE CONCRETE HOUSEKEEPING PAD UNLESS NOTED OTHERWISE.

DEMOLITION LEGEND

SYMBOL	DESCRIPTION
	REMOVE DEVICES, EQUIPMENT, IN ACCORDANCE WITH THE GENERAL DEMOLITION NOTES.
	DEVICES ARE EXISTING TO REMAIN.
	WITHIN HATCHED AREAS, DISCONNECT AND REMOVE ALL ELECTRICAL MATERIALS INCLUDING BUT NOT LIMITED TO LIGHTS, DEVICES, EQUIPMENT, SPEAKERS, FIRE ALARM, COMMUNICATIONS, AND CIRCUITRY.

GENERAL DEMOLITION NOTES

A. PROVIDE ALL ELECTRICAL DEMOLITION WORK REQUIRED TO INSTALL THE WORK INDICATED. REMOVE, REROUTE, AND RECONNECT ALL BRANCH CIRCUITS THAT WILL REMAIN IN USE BUT INTERFERES WITH THE WORK.

B. REMOVE ALL EXISTING CONDUITS THAT WILL NOT BE REUSED AND WHERE THEY WILL BE EXPOSED AFTER COMPLETION. ABANDON ALL OTHERS IN THE WALLS ONLY. DISCONNECT ALL WIRING INDICATED AND/OR REQUIRED TO BE REMOVED FROM ALL POWER SOURCES. REMOVE ALL WIRING FROM ABANDONED CONDUITS AND PROVIDE BLANK COVER PLATES FOR BOXES NOT UTILIZED FOR THE WORK.

C. MAINTAIN CONTINUITY OF ALL EXISTING CIRCUITS TO REMAIN OR PORTIONS THEREOF AFFECTED BY THE WORK.

D. BEFORE DEMOLITION, VERIFY WITH THE OWNER ALL EQUIPMENT TO BE SALVAGED TO OWNER AND NOT REMOVED FROM THE SITE. FOR ALL REMAINING EQUIPMENT INDICATED FOR REMOVAL (AND NOT RELOCATED), REMOVE AND DISPOSE IN A LEGAL MANNER.

E. EXERCISE CARE IN REMOVING DEMOLITION ITEMS. REPAIR OR REPLACE ALL DAMAGE CAUSED TO EXISTING CONSTRUCTION AND EQUIPMENT TO REMAIN.

F. DRAWINGS ARE BASED UPON EXISTING PLANS AND FIELD INVESTIGATION WITHOUT DEMOLITION. VISIT THE EXISTING BUILDING AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS AND EXAMINE ALL DRAWINGS TO AVOID CONFLICTS.

G. WHERE DEMOLITION OF TELECOMMUNICATIONS DEVICES OCCUR, REMOVE CABLING NOT INDICATED TO REMAIN BACK TO POINT OF ORIGIN.

H. DEMOLITION FLOOR PLANS ARE PROVIDED FOR REFERENCE ONLY TO AID IN DEFINING THE SCOPE OF DEMOLITION WORK.

GENERAL NOTES

A. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.

B. FOLLOW MOUNTING HEIGHTS INDICATED IN THE ELECTRICAL LEGEND UNLESS OTHERWISE INDICATED. MEASURE ALL MOUNTING HEIGHTS FROM THE DEVICE CENTER LINE UNLESS OTHERWISE INDICATED.

C. FIELD VERIFY EXACT FEEDER LOCATIONS FOR MECHANICAL EQUIPMENT PRIOR TO ROUGH-IN.

D. EQUIPMENT CONNECTIONS ARE INDICATED IN THEIR APPROXIMATE LOCATIONS. VERIFY EXACT LOCATIONS OF ALL CONNECTIONS WITH OTHER TRADES SUPPLYING EQUIPMENT TO AVOID CONFLICTS AT INSTALLATION.

E. LOCATED ALL SWITCHES FOR LOCAL CONTROL OF LIGHTING ON STRIKE SIDE OF SINGLE DOORS UNLESS OTHERWISE INDICATED.

F. PROVIDE SPECIFIC BREAKER ARRANGEMENT FOR THE PANEL BOARDS WHEREVER PHYSICALLY POSSIBLE. PROVIDE AS-BUILT DRAWINGS INDICATING ACTUAL BRANCH CIRCUIT ARRANGEMENT. PROVIDE TYPE WRITTEN PANELBOARD DIRECTORIES INDICATING ACTUAL BRANCH CIRCUIT ARRANGEMENT.

G. PROVIDE AS-BUILT DRAWINGS INDICATING ACTUAL BRANCH CIRCUIT ARRANGEMENT. PROVIDE TYPEWRITTEN PANELBOARD DIRECTORIES INDICATING ACTUAL BRANCH CIRCUIT ARRANGEMENT. HAND WRITTEN SCHEDULES ARE NOT ACCEPTABLE.

H. ALL CONDUIT RUNS INDICATED ARE DIAGRAMMATIC, COORDINATE ROUTING IN ALL SPACES WITH OTHER TRADES.

I. ALL PANELBOARDS INDICATED ARE HOUSED IN A SINGLE WIDTH ENCLOSURE, UNO. THE CONTRACTOR SHALL FIELD VERIFY ROOM LAYOUT AND ADJUST ACCORDINGLY, AT NO COST TO THE OWNER, IF PROVIDING ANY PANELBOARD ENCLOSURES.

J. WHERE POWER AND COMMUNICATION OUTLETS ARE INDICATED IN CLOSE PROXIMITY ON THE DRAWINGS, FIELD COORDINATE THE LOCATIONS TO PLACE THE OUTLETS ADJACENT TO EACH OTHER.

K. ALL EXTERIOR RECEPTACLES SHALL BE LABELED "WR" - WEATHER RESISTANT.

L. WHEN GROUPING MULTIPLE LINE TO NEUTRAL BRANCH CIRCUITS IN A CONDUIT, PROVIDE DEDICATED COLOR CODED NEUTRAL CONDUCTORS FOR EACH CIRCUIT. DO NOT USE BREAKER TIES AND SHARED NEUTRALS EVEN THOUGH PERMITTED BY NEC.

M. PROVIDE A 2" WIDE YELLOW LINE PAINTED ON THE FLOOR INDICATING THE ELECTRICAL WORKING SPACE, IN FRONT OF ALL ELECTRICAL PANELS IN ELECTRICAL ROOMS. REFER TO PLANS FOR ELECTRICAL WORKING SPACE DETAILS. STENCIL "NO STORAGE" IN 2" HIGH, YELLOW LETTERS CENTERED IN THE OUTLINED AREA.

MOSELEYARCHITECTS
44 MARKFIELD DRIVE, SUITE D CHARLESTON, SC 29407
PHONE (643) 577-5063
MOSELEYARCHITECTS.COM

SOUTH CAROLINA PROFESSIONAL ENGINEER
No. 34883
5/28/2023
WILLIAM J. CAREY

SOUTH CAROLINA
MOSELEY ARCHITECTS
No. 3983
CERTIFICATE OF AUTHORIZATION

MAYO HIGH SCHOOL TOILET RENOVATION

DCSD SOLICITATION NO.: FAC2223-04
MAYO HIGH SCHOOL
405 CHESTNUT ST, DARLINGTON, SC 29532

PROJECT NO: 624003
DATE: MARCH 28, 2023

REVISIONS

DATE	DESCRIPTION

ELECTRICAL PLANS AND DETAILS

E1.0

3/27/2023 11:40:57 AM