GEORGETOWN COUNTY CORONER'S OFFICE



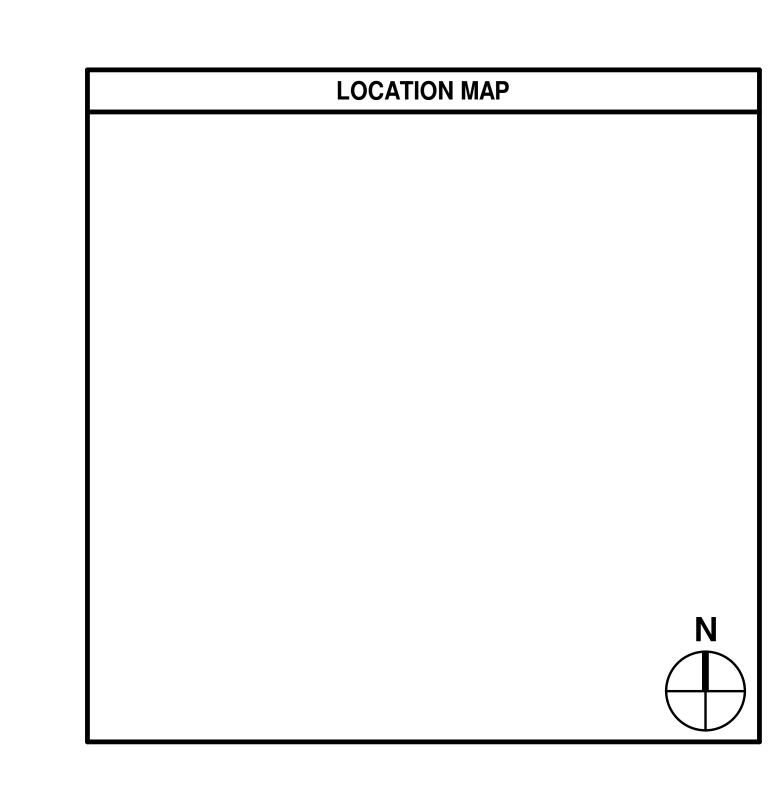
GEORGETOWN COUNTY VOLUME 3

611315

MOSELEYARCHITECTS

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

MOSELEYARCHITECTS.COM



DRAWING INDEX	
LIFE SAFETY LS1.0 BUILDING CODE SUMMARY LS2.1 LIFE SAFETY INFORMATION	
ARCHITECTURAL A0.1 GENERAL ARCHITECTURAL INFORMATION A0.2 WALL/PARTITION TYPES, WALL JOINTS AND TERMINATIONS A2.1.1 FLOOR PLAN AND RCP A3.0.1 FINISH SCHEDULE A3.1.1 DOOR AND FRAME SCHEDULE A4.1.0 BUILDING ELEVATIONS	
A5.0.1 BUILDING SECTIONS A5.1.1 WALL SECTIONS A7.1.1 TOILET ASSEMBLIES, ENLARGED PLANS, & ROOF PLAN STRUCTURAL	
S0.0.1 GENERAL NOTES AND LEGENDS S1.1.1 FOUNDATION PLAN S3.0.1 TYPICAL FOUNDATION & SLAB DETAILS S3.1.1 FOUNDATION SECTIONS	
PLUMBING P0.1 LEGENDS, ABBREVIATIONS AND GENERAL NOTES P1.0 FLOOR PLAN MECHANICAL	
M0.1 LEGENDS, ABBREVIATIONS AND GENERAL NOTES M2.1.1 FLOOR PLAN & SCHEDULES ELECTRICAL E0.1 LEGENDS, ABBREVIATIONS AND GENERAL NOTES E2.1.1 ELECTRICAL FLOOR PLANS	

MOSELEYARCHITECT

PROGRESS
PRINT NOT FOR
CONSTRUCTION

OUNTY CORONER'S OFFICE

315 ORGETOWN COUNTY

JECT NO: 611315 E: FEBRUARY 26, 2024 REVISIONS ATE DESCRIPTION

COVER -VOLUME 3 **ADMINISTRATION**

BUILDING DATA

NO YES **DESIGN OCCUPANCY CLASSIFICATION**: B

SEPARATION N/A HR.

GROSS BUILDING AREA

ALLOWABLE AREA

ALLOWABLE HEIGHT

MAXIMUM BUILDING AREA

CODE REFERENCE

0 HRS.

0 HRS..

0 HRS.

0 HRS.

0 HRS.

0 HRS

N/A

N/A

N/A

N/A

N/A

N/A

0 HR.

0 HRS.

0 HR.

LOCKS AND THE AMOUNT OF DELAY

FOR OCCUPANCY CLASSIFICATION I-3

LOCATION OF DOORS WITH ELECTROMAGNETIC

LOCATION OF EMERGENCY ESCAPE WINDOWS

THE SQUARE FOOTAGE OF EACH FIRE AREA

NOTE ANY CODE EXCEPTIONS OR TABLE NOTES

THAT MAY HAVE BEEN UTILIZED REGARDING THE

THE SQUARE FOOTAGE OF EACH SMOKE COMPARTMENT

907.2.6.3.2

907.2.6.3.3

909.0

Smoke control system shall be based on the "exhaust" method.

FIRE-FIGHTER'S SMOKE CONTROL PANEL

Shall be provided adjacent to fire alarm control panel.

161,954.75 SF

TABLE 601

TABLE 601

TABLE 601

TABLE 705.5

TABLE 601

TABLE 601

TABLE 601

TABLE 706.4

TABLE 508.4

TABLE 713.4

1023.2

1023.2

708.3

710.3

LIFE SAFETY PLAN

709.3, 408.6

TABLE 1020.2

711.2.4.1, TABLE 707.3.10

EGRESS LOCKS

ITEMS ABOVE

TABLE 713.4, 408.5.2

DESCRIPTION BUILDING ALLOWABLE AREA FRONTAGE ALLOWABLE

[Table 506.2] [Table 506.3.1, 506.3.3]

SHOWN ON PLANS

15'-5"

NEW (SQ. FT.)

1,273

■ NEW BUILDING □ ADDITION □ RENOVATION

APPLICABLE CODES, STANDARDS AND REFERENCES

SOUTH CAROLINA BUILDING CODE

SOUTH CAROLINA PLUMBING CODE

SOUTH CAROLINA MECHANICAL CODE

SOUTH CAROLINA FUEL AND GAS CODE

NATIONAL ELECTRICAL CODE (NFPA 70) WITH SC MODIFICATIONS

INTERNATIONAL ENERGY CONSERVATION CODE (ENERGY STANDARD ACT)

B : BUSINESS

S2 : LOW-HAZARD STORAGE

SPECIAL USES (CHAPTER 4) NO YES CHAPTER 4, SECTIONS 406, 408, 414

IIB - BUSINESS OCCUPANCY

[Sections: 304, 311]

■ NO □ YES

☐ NO ■ YES

■ NO □ YES

NO YES

AREA PER

1,929

1,273

2. Maximum Building Area = (total number of stories in the building) x (allowable area per story or unlimited)

. Code reference provided only if "Shown on Plans" quantity is not based on Table 504.3 or 504.4

B = 55' S1 = 55'

B = 4 S1 = 4

B - TYPE IIB

S-1 - TYPE IIB

3,202 SF

Unlimited area applicable under conditions of Section 507.

BUILDING ELEMENT

EXTERIOR NONBEARING WALLS AND PARTITIONS

INTERIOR NONBEARING WALLS AND PARTITIONS

ROOF CONSTRUCTION AND ASSOCIATED SECONDARY

. Fire resistance ratings of building elements are shown on Life Safety Plans.

FLOOR CONSTRUCTION AND ASSOCIATED

SHAFT ENCLOSURES (LESS THAN 4 STORIES)

SHAFT ENCLOSURES (MORE THAN 4 STORIES)

EXIT ENCLOSURES (LESS THAN 4 STORIES)

EXIT ENCLOSURES (MORE THAN 4 STORIES)

EXISTING (SQ. FT.)

SOUTH CAROLINA FIRE CODE

ICC/ANSI A117.1

BUILDING PROJECT

CLASSIFICATION

CLASSIFICATION

SPRINKLERS

STANDPIPES

REQUIRED

[Table 509]

FIRE DISTRICT

[Sections 508.2]

INCIDENTAL USES

MIXED OCCUPANCY

[Sections 508, 508.4] NON-SEPARATED MIXED

USE [Sections 508.3]

SEISMIC DESIGN CATEGORY D

RISK CATEGORY

FIRST FLOOR B

FIRST FLOOR S-1

STORY LEVEL

STORY 1

STORY 1

[Table 504.3]

[Table 504.4]

TOTAL BUILDING AREA

BUILDING HEIGHT IN FEET, (ACTUAL)

BUILDING HEIGHT IN STORIES

AREA DETERMINATION

FULLY SPRINKLERED

CONTRUCTION TYPE

PRIMARY STRUCTURAL FRAME

EXTERIOR BEARING WALLS

INTERIOR BEARING WALLS

SECONDARY MEMBERS

MEMBERS

FIRE WALLS

FIRE BARRIERS

SMOKE BARRIERS

SMOKE PARTITIONS

HORIZONTAL EXITS

HORIZONTAL ASSEMEBLIES

LIFE SAFETY PLAN REQUIREMENTS

OCCUPANT LOAD CALCULATION

EXIT SIGN LOCATIONS

DEAD END LENGTHS

OCCUPANT LOAD FOR EACH AREA

COMMON PATH OF TRAVEL DISTANCES

CLEAR EXIT WIDTHS FOR EACH EXIT DOOR

MAXIMUM CALCULATED OCCUPANT LOAD CAPACITY

A SEPARATE SCHEMATIC PLAN INDICATING WHERE FIRE RATED FLOOR/ CEILING AND/OR ROOF STRUCTURE IS

PROVIDED TO PURPOSES OF OCCUPANY SEPARATION

EACH EXIT DOOR CAN ACCOMMODATE BASED ON

ACTUAL OCCUPANT LOAD FOR EACH EXIT DOOR

LOCATION OF DOORS WITH PANIC HARDWARE

FIRE AND/OR SMOKE RATED WALL LOCATIONS

DISTANCE TO ASSUMED PROPERTY LINES

ASSUMED AND REAL PROPERTY LINE LOCATIONS EXTERIOR WALL OPENING WITH RESPECT TO

OCCUPANCY USE FOR EACH AREA AS IT RELATES TO

SEPARATED MIXED USE

PRIMARY OCCUPANCY

OTHER OCCUPANCIES

CONSTRUCTION TYPE

SPECIAL INSPECTIONS

ACCESSORY OCCUPANCIES

Refer to Drawing LS2.1 for the Facility Occupant Load

Refer to Drawing LS2.2 through LS2.3 for the Occupancy Schedule

Occupancy signage shall be provided for assembly occupancy spaces.

Refer to Drawings LS2.1 for egress capacities for exits and stairways.

Refer to Drawings LS2.1 for egress capacities for exits and stairways.

Roof hatch opening is not located within 10 feet of the roof edge.

Doors to an exit discharge (doors leading to the exterior)

which is more than 30 inches above the floor, roof, or grade below.

In Groups A, where building is fully sprinklered, travel shall not exceed 75 feet.

OCCUPANT LOAD SERVED

BY THE CORRIDOR

Greater than 30

Minimum corridor width as determined by required egress, but not less than 44 inches.

Exception 1: 24 inches minimum access to electrical, mechanical or plumbing systems.

Exit access corridors shall not exceed more than 20 feet, unless allowed by the following exception[s]:

PLUMBING FIXTURES

LAVATORIES

The S.C. Building Codes Council approved an emergency modification request to delete the below exceptions from the 2021 SC

Exception 6 was deleted without substitution from Section 403.2 of the 2021 IPC and from Section [P] 2902.2 of the 2021 IBC.

Exception 2 was deleted without substitution from Section 403.1.1 of the 2021 IPC and from Section [P] 2902.1.1 of the 2021 IBC.

Exception 2: 36 inches minimum where required capacity is less than 50

ELEVATION CHANGE

DESIGN OCCUPANT LOAD

AREAS WITHOUT FIXED SEATING

POSTING OF OCCUPANT LOAD

MINIMUM REQUIRED EGRESS WIDTHS

PROTECTION AT ROOF HATCH OPENINGS

Doors to an exit ramp (doors in corridors)

COMMON PATH OF EGRESS TRAVEL

EXIT ACCESS TRAVEL DISTANCE LIMIT 200 feet w/sprinkler system for I-3 Occupancies

250 feet w/sprinkler system for S-1 Occupancies

300 feet w/sprinkler system for B Occupancies 400 feet w/sprinkler system for S-2 Occupancies

CORRIDOR FIRE-RESISTANCE RATING

Exception 1: 50 feet I-3, Conditions 2, 3 or 4

Exception 2: 50 feet B, S where building is fully sprinklered

Building Code and 2021 SC Plumbing Code without substitution:

OCCUPANCY

A, B, E, F, M, S, U

CORRIDOR WIDTH

B New

OUTDOOR AREAS

EXIT STAIRWAYS

TACTILE EXIT SIGNS

MECHANICAL EQUIPMENT

1003.5

1004.1

1004.5

1004.9

1004.7

1005.2

1005.3.1

1010.4

1015.7

1013.4

1015.6

1006.2.1

Table 1020.2

1020.3

1020.5

MEANS OF EGRESS

Where the slope is greater than 1:20, ramps complying with Section 1010 shall be provided.

Where changes in elevation of less than 12 inches exist in the means of egress, sloped surfaces shall be provided

Refer to Drawings LS2.2 & LS2.3 under FACILITY OCCUPANT LOAD for occupant loads for outdoor area.

Gates do serve as a component of the means of egress, and shall comply with the applicable requirements for doors.

Guards shall be provided where components requiring service are within 10 feet of a roof edge, or open side of a walking surface

REQUIRED FIRE RESISTANCE RATING (HOURS)

Not Permitted

With Sprinkler System

Common path of egress travel shall not exceed 100 feet in Groups B, I-3, and S where building is fully sprinklered

Tactile EXIT signs complying with ICC A117.1 shall be located adjacent to each door to the following:

Exception: Refer to Occupancy Schedule on Drawings LS2.2 through LS2.3 for spaces where actual occupant loads were utilized.

PROJECT NO: 611315 REVISIONS DESCRIPTION

0

BUILDING CODE SUMMARY

SEE PROJECT MANUAL FOR COMPREHENSIVE LIST OF SPECIAL INSPECTIONS. STATEMENTS OF SPECIAL INSPECTIONS SHALL BE PREPARED IN ACCORDANCE WITH SECTION 1704.3 SPECIAL INSPECTIONS YEAR 2021 GLASS UNIT MASONRY AND MASONRY VENEER IN RISK CATEGORY IV. 2021 Special inspections and tests for glass unit masonry or masonry veneer designed in accordance with Section 2110 or Chap 14, respectively, where they are part of a structure classified as Risk Category IV. 2021 2021 1705.13.5 ARCHITECTURAL COMPONENTS 2021 Periodic special inspection is required for the erection and fastening of exterior cladding, interior and exterior nonbearing was 2020 and interior and exterior veneer in structures assigned to Seismic Category D, E, or F. 2009 1705.13.5.1 ACCESS FLOORS 2017 Edition Periodic special inspection is required for the anchorage of access floors in structures assigned to Seismic Category D, E, Manual and automatic fire alarm system shall be provided. 1705.13.7 STORAGE RACKS Steel storage racks and steel cantilevered storage racks that are 8 feet in height of greater and assigned to Seismic Design Category D, E, or F shall be provided with periodic special inspections as required by Table 1705.13.7 [BF] 1705.15 SPRAYED FIRE-RESISTANT MATERIALS Special inspections and test of sprayed fire-resistant materials applied to floor, roof and wall assemblies and structural men shall be performed in accordance with Sections 1705.15.1 through 1705.15.6. 1705.16 MASTIC AND INTUMESCENT FIRE-RESISTANT COATINGS Special inspections and tests for mastic and intumescent fire-resistant coatings applied to structural elements and decks s □ PARTIAL ■ YES ■ NFPA 13 □ NFPA 13R □ NFPA 13D performed in accordance with AWCI 12-B. Special inspections and tests shall be based on the fire-resistance design as NO ■ YES CLASS □ I □ II □ III ■ WET □ DRY designated in the approved construction documents. Special inspections and tests shall be performed during construction. FLOOD HAZARD AREA: NO YES Additional visual inspection shall be performed after the rough installation, and where applicable, prior to the concealement electrical, automatic sprinkler, mechanical and plumbing systems. FIRE-RESISTANT PENETRATIONS AND JOINTS [BF] 1705.18 In buildings assigned to Risk Category III or IV, special inspections through penetrations, membrane penetration firestops, resistant joint systems and perimeter fire containment systems that are tested and listed in accordance with Secionts 714 714.5.1.2, 715.3.1 and 715.4 shall be in accordance with Section 1705.18.1 or 1705.18.2 SPECIAL DETAILED REQUIREMENTS BASED ON USE AND OCCUPANGE MIXED OCCUPANCY SEPARATION (OPEN PARKING GARAGE) The Vehicle Sallyport shall be separated from other occupancies in accordance with the method described in 508.1 408.3.1 DOOR WIDTH Door to resident sleeping units shall have a clear width of not less than 28 inches, except 32 inches at accessible sleeping SUBTOTAL 1,929 408.3.6 **EXIT DISCHARGE** 1,273 Exits are permitted to discharge into a fenced or walled courtyard. Enclosed yards or courts shall be of a size to accommo all occupants, be located not less than 50 feet from the building and have an area of not less the 15 square feet per person 408.3.7 **SALLYPORTS [GROUP I-3]** A Sallyport shall be permitted in a means of egress where there are provisions for continuous and unobstructed passage through the sallyport during an emergency egress condition. Sallyports are incorporated into the means of egress. 408.6 SMOKE BARRIER [GROUP I-3] Occupancies in I-3 have smoke barriers and are separated into at least two smoke compartments. ALLOWABLE SMOKE COMPARTMENTS [GROUP I-3] LARGER THAN ACTUAL Maximum number of residents 200, actual number of residents and travel distances are confirmed in each smoke compar 161,954.75 SF 161,954.75 SF YES 408.7 SECRUITY GLAZING [GROUP I-3] Security glazing is provided in smoke barriers. 408.8.1 SUBDIVISION OF RESIDENT SLEEPING AREAS, CONDITION 4 A smoke-tight partition shall separate the cells from the dayrooms 408.8.3 **OPENINGS IN ROOM FACE** The aggregate area of openings in cell doors are less than 120 square inches, and are less than 36 inches above the finis **CODE REFERENCE** 408.8.4 **SMOKE TIGHT DOORS** Door closures are not provided on cell doors. 408.6.2 AREA OF REFUGE [GROUP I-3] Area of refuge is provided on each side of each smoke barrier and is sized for the appropriate number of occupants. 408.9 WINDOWLESS BUILDINGS [GROUP I-3] All smoke compartments are provided with an engineered smoke control system. FIRE RESISTANCE RATING OF BUILDING ELEMENTS 414.2 **CONTROL AREAS** Control areas shall be defined by individual spaces separated in accordance with Section 414.2.4. REQUIRED RATING 414.2.4 FIRE-RESISTANCE RATING REQUIREMENTS [CONTROL AREAS] Each control area shall be separated by 1-hour fire barriers and 2 hour horizontal assemblies. FIRE PROTECTIONS SYSTEMS 0 HR at Note (a) GENERAL [AUTOMATIC SPRINKLER SYSTEMS] Automatic NFPA 13 wet-pipe sprinkler system shall be provided throughout entire building(s), except at recreation yards PORTABLE FIRE EXTINGUISHER DISTRIBUTION Maxiumum floor area coverage shall not exceed 11.250 SF Maxiumum travel distance shall not exceet 75 feet Shall not be obstructed of obscurred from view. Shall be provided where flammable or combustible liquids are stored, used, or dispersed. 906.2 PORTABLE FIRE EXTINGUISHER CABINETS Exception 2: Fire extinguishers shall be locked and located in staff positions in I-3. 907.2 WHERE REQUIRED [FIRE ALARM AND DETECTION SYSTEM] Manual and automatic fire alarm system shall be provided. 907.2.6.3 Group I-3 occupancies shall be equipped with a manual fire alarm system and automatic smoke detection system installed 907.2.6.3.1 FIRE ALARM [GROUP I-3] SYSTEM INITIATION LOCATION OF DOORS WITH DELAYED EGRESS Actuation shall initiage an approved fire alarm signal which notifies staff.

		fire resistance of a buce designs documented		shall be permitted to be sources	e established by the fo	llowing:	
				g elements or assembli	ies as prescribed in So	ection 721	
Table			XIMUM AREA C	F EXTERIOR WALL O			
705.8	FIRE SEPA	ARATION DISTANCE			ECTION Nonsprinklered	ALLO No Limit	WABLE AREA
	30	Feet or greater		Protected, No Protected	onsprinklered	No Limit No Limit	
707.5.1		ING CONSTRUCTION construction for fire bar		RS] pe protected and fire-re	sistive rated as the fire	e barrier.	
707.6.8		S [FIRE BARRIERS]		-			
707.0.0	Each openin area of any s	g shall be protected paingle opening shall be	e 156 SF	imited to maximum age			and maximum
714.5	NONFIRE-	RESISTANCE-RATED) ASSEMBLIES	[HORIZONTAL]			
715.1		STANT JOINT SYSTE		all comply with 714.5.1	l or /14.5.4		
710.1	TITLETICO	OTANT CONT. OTOTE					
Table 716.1(2)	PROTECTI	R AND FIRE SHUTTE ION RATINGS	R FIRE	RAT	SSEMBLY TING	TRANSOM /	R / SIDELIGHT / SHUTTER RATING
7.1011(2)	FIRE WAL			3 HRS 2 HRS		_	3 HRS. 1-1/2 HRS.
	FIRE BARI	RIERS RIERS: SHAFT, EXIT		2 HRS 2 HRS			1-1/2 HRS. 1-1/2 HRS.
	ENCLOSU	RE, EXIT PASSAGEV	VAY	1 HO	UR	•	1 HOUR
		RIERS: OTHER TITIONS: CORRIDOR	WALLS	1 HO			3/4 HOUR 1/3 HOUR
	FIRE PAR'SMOKE BA	TITIONS: OTHER ARRIERS		1 HO			3/4 HOUR 1/3 HOUR
740 4 5 1	SAFETY G			,		1	
716.1.2.1	Each openin			imited to maximum ag	gregate width of 25%	of length of wall;	and maximum
Toble	,						
Table 716.1(3)	PROTECTI	OOW ASSEMBLY FIRE	L	ASSEI RATIN		RATIN	
		FIRE WALLS FIRE BARRIERS		ALL GREATER TH	IAN 1-HOUR		RMITTED (a) RMITTED (a)
		FIRE BARRIERS SMOKE BARRIERS		1 HO		NOT PER	RMITTED (a)
	INTERIOR	FIRE PARTITIONS		1 HO	UR	3/4 HC	OUR
		FIRE PARTITIONS	nce-rated glazing	1/2 He assemblies tested to		1/3 HC 3. as specified in	
717.6	ACCESS A Provide acce and it operat Access shall Identify all ac HORIZONT	and identification ass to all fire, smoke, a ple parts. I not affect or reduce the ccess points with a lab ral assemblies [Da s by ducts and air trans	I [DAMPERS] and combination he rated integre pel complying wi AMPERS] sfer openings sh	dampers large enough y. th Section 717.4.2 all be protected by a sl			e of the damper
717.6	ACCESS A Provide acce and it operate Access shall Identify all access HORIZONT Penetrations	ess to all fire, smoke, a pole parts. Inot affect or reduce the coess points with a lab as by ducts and air transfersions.	I [DAMPERS] and combination he rated integred bel complying with AMPERS] sfer openings sh	dampers large enough y. th Section 717.4.2 all be protected by a sl	haft enclosure or shall	comply with Sec	e of the damper
717.6	ACCESS A Provide acce and it operate Access shall Identify all access HORIZONT Penetrations	and identification ess to all fire, smoke, a ple parts. I not affect or reduce the coess points with a lab ral ASSEMBLIES [Da s by ducts and air trans esistance-Rated FLOG s by ducts and air trans	I [DAMPERS] and combination he rated integre pel complying wi AMPERS] sfer openings sh OR ASSEMBLIE sfer openings sh	dampers large enough y. th Section 717.4.2 all be protected by a sl	haft enclosure or shall ordance with Section	comply with Sec	e of the damper
717.6 717.6.3	ACCESS A Provide acce and it operate Access shall Identify all access shall	ess to all fire, smoke, a cole parts. Inot affect or reduce the coess points with a lab and air transfer by ducts are ducts at the ducts and ducts are ducts at the ducts are duc	I [DAMPERS] and combination the rated integred pel complying with AMPERS] sfer openings shall DR ASSEMBLIE sfer openings shall ITERIOF	dampers large enough y. th Section 717.4.2 all be protected by a si S [DAMPERS] all be protected in accord	haft enclosure or shall ordance with Section	comply with Sec	e of the damper
717.6 717.6.3 802.7	ACCESS A Provide acce and it operate Access shall Identify all ac HORIZONT Penetrations Nonfire-Re Penetrations FOAM PLAS The required	ess to all fire, smoke, a cole parts. Inot affect or reduce the coess points with a lab and air transfer by ducts are ducts at the ducts and ducts are ducts at the ducts are duc	I [DAMPERS] and combination he rated integre pel complying wi AMPERS] sfer openings sh DR ASSEMBLIE sfer openings sh UTERIOI	dampers large enough by. th Section 717.4.2 all be protected by a sl S [DAMPERS] all be protected in accord R FINISHES shall be permitted to be	haft enclosure or shall ordance with Section of the established by the fo	comply with Sec 717.6.3	e of the damper
717.6 717.6.3 802.7	ACCESS A Provide acce and it operate Access shall Identify all access shall shal	ess to all fire, smoke, a cole parts. Inot affect or reduce the coess points with a lab and air transfer by ducts are ducts at the ducts and ducts are ducts at the ducts are duc	I [DAMPERS] and combination he rated integred bel complying with AMPERS] sfer openings sh OR ASSEMBLIE sfer openings sh ITERIOF uilding element st FLAME SPR 0-25	dampers large enough by. th Section 717.4.2 all be protected by a sl S [DAMPERS] all be protected in accord R FINISHES shall be permitted to be	haft enclosure or shall ordance with Section of the established by the fo	comply with Sec 717.6.3 Illowing: E DEVELOPED 0-450	e of the damper
717.4 717.6 717.6.3 802.7 803.1.2	ACCESS A Provide acce and it operate Access shall Identify all access shall shal	ess to all fire, smoke, a cole parts. Inot affect or reduce the coess points with a lab and air transfer by ducts are ducts at the ducts and ducts are ducts at the ducts are duc	I [DAMPERS] and combination the rated integred pel complying with the complying with the complying with the complying with the complying shade of the complete of	dampers large enough by. th Section 717.4.2 all be protected by a sl S [DAMPERS] all be protected in accord R FINISHES shall be permitted to be	haft enclosure or shall ordance with Section of the established by the fo	comply with Sec 717.6.3	e of the damper
717.6 717.6.3 802.7 803.1.2	ACCESS A Provide acce and it operate Access shall Identify all access shall access shall Identify all access shall access	AND IDENTIFICATION ess to all fire, smoke, a ple parts. I not affect or reduce the cocess points with a lab FAL ASSEMBLIES [Date aby ducts and air trans esistance-Rated FLOG aby ducts and air trans IN TICS I fire resistance of a but	I [DAMPERS] and combination he rated integre bel complying wi AMPERS] sfer openings sh OR ASSEMBLIE sfer openings sh ITERIOI uilding element se FLAME SPR 0-25 26-75 76-200	dampers large enough by. th Section 717.4.2 all be protected by a sl S [DAMPERS] all be protected in accord R FINISHES shall be permitted to be	haft enclosure or shall ordance with Section are established by the fo	comply with Sec 717.6.3 Illowing: E DEVELOPED 0-450 0-450	e of the damper
717.6 717.6.3 802.7 803.1.2	ACCESS A Provide acce and it operate Access shall Identify all access shall Penetrations Nonfire-Repertrations CLASS A B C INTERIOR W	AND IDENTIFICATION ess to all fire, smoke, a pole parts. I not affect or reduce the coess points with a lab TAL ASSEMBLIES [Day to be by ducts and air trans esistance-Rated FLOG to by ducts and air trans IN TICS If fire resistance of a but TALL AND CEILING F	I [DAMPERS] and combination he rated integre pel complying wi AMPERS] sfer openings sh DR ASSEMBLIE sfer openings sh ITERIOI uilding element st FLAME SPR 0-25 26-75 76-200 INISH REQUIRE SPRINKLERED	dampers large enough y. th Section 717.4.2 all be protected by a sl S [DAMPERS] all be protected in accord R FINISHES shall be permitted to be EAD	haft enclosure or shall ordance with Section seestablished by the formal smok	comply with Sec 717.6.3 Illowing: E DEVELOPED 0-450 0-450 0-450	e of the damper
717.6 717.6.3 802.7 803.1.2	ACCESS A Provide acce and it operate Access shall Identify all access shall access shall Identify all access shall access	AND IDENTIFICATION ess to all fire, smoke, a ple parts. I not affect or reduce the coess points with a lab FAL ASSEMBLIES [Day by ducts and air trans esistance-Rated FLOG by ducts and air trans IN TICS I fire resistance of a but FALL AND CEILING F	I [DAMPERS] and combination he rated integre bel complying wi AMPERS] sfer openings sh DR ASSEMBLIE sfer openings sh UTERIOI uilding element st FLAME SPR 0-25 26-75 76-200 INISH REQUIRE	dampers large enough y. th Section 717.4.2 all be protected by a sl S [DAMPERS] all be protected in accord R FINISHES shall be permitted to be EAD	haft enclosure or shall bridge established by the fo	comply with Sec 717.6.3 Illowing: E DEVELOPED 0-450 0-450 0-450	e of the damper
717.6 717.6.3 802.7 803.1.2	ACCESS A Provide acce and it operate Access shall Identify all access shall Penetrations Nonfire-Repertrations CLASS A B C INTERIOR W	AND IDENTIFICATION ess to all fire, smoke, a pole parts. I not affect or reduce the coess points with a lab FAL ASSEMBLIES [D. is by ducts and air trans esistance-Rated FLOG is by ducts and air trans IN TICS If fire resistance of a but FALL AND CEILING F	I [DAMPERS] and combination he rated integre pel complying wi AMPERS] sfer openings sh DR ASSEMBLIE sfer openings sh ITERIOI uilding element st FLAME SPR 0-25 26-75 76-200 INISH REQUIRE SPRINKLERED	dampers large enough y. th Section 717.4.2 all be protected by a sl S [DAMPERS] all be protected in accord R FINISHES shall be permitted to be EAD Rooms and	haft enclosure or shall ordance with Section Section SMOK SMOK NCY NO Exit Enclosures	comply with Sec 717.6.3 Illowing: E DEVELOPED 0-450 0-450 0-450	e of the damper ction 717.6.3 D Rooms and
717.6 717.6.3 802.7 803.1.2	ACCESS A Provide acce and it operate Access shall Identify all access	AND IDENTIFICATION ess to all fire, smoke, a cole parts. Inot affect or reduce the cocess points with a lab FAL ASSEMBLIES [D. Estistance-Rated FLOG Estistance-Rated FLOG Estistance of a but FALL AND CEILING F Exit Enclosures and Passageways B A	I [DAMPERS] and combination the rated integred pel complying with the rated integred pel complying the rated integret pel complying the rated integred pel complying the rated integret pel complying the rated integred pel complying with the rated integral pel complying with the rated pel complying with the r	dampers large enough y. th Section 717.4.2 all be protected by a sl S [DAMPERS] all be protected in accord R FINISHES shall be permitted to be EAD Rooms and Enclosed Spaces C C C	haft enclosure or shall ordance with Section S	comply with Secondary 17.6.3 Blowing: E DEVELOPED 0-450 0-450 0-450 N-SPRINKLERE Corridors B A	D Rooms and Enclosed Spaces C B
717.6 717.6.3 802.7 803.1.2	ACCESS A Provide acce and it operate Access shall Identify all access shall access shall Identify all access shall access	AND IDENTIFICATION cess to all fire, smoke, a cole parts. I not affect or reduce the cess points with a lab FAL ASSEMBLIES [Date is by ducts and air trans Esistance-Rated FLOG is by ducts and air trans IN TICS If fire resistance of a but Exit Enclosures and Passageways B A C	I [DAMPERS] and combination he rated integree pel complying with AMPERS] sfer openings sh DR ASSEMBLIE sfer openings sh ITERIOF uilding element st FLAME SPR 0-25 26-75 76-200 INISH REQUIRE SPRINKLERED Corridors	dampers large enough y. th Section 717.4.2 all be protected by a sl S [DAMPERS] all be protected in accord R FINISHES shall be permitted to be EAD Rooms and Enclosed Spaces C C C C	haft enclosure or shall bridge established by the formula SMOK SMOK Exit Enclosures and Passageways A A B	comply with Sec 717.6.3 Illowing: E DEVELOPED 0-450 0-450 0-450 N-SPRINKLERE Corridors	D Rooms and Enclosed Spaces C B C
717.6 717.6.3 802.7 803.1.2 Table 803.13	ACCESS A Provide acce and it operate Access shall Identify all access shall access shall Identify all access shall access	AND IDENTIFICATION ass to all fire, smoke, a ble parts. I not affect or reduce the coess points with a lab FAL ASSEMBLIES [Day by ducts and air trans Besistance-Rated FLOG by ducts and air trans IN TICS If fire resistance of a but Exit Enclosures and Passageways B A C NO TACHMENT AND FUR	I [DAMPERS] and combination he rated integred bel complying with the rated integred below below below below below below below by the rated integred below below below by the rated integred below by the rated integred by the rated integred by the rated integred by the rated integred by the rated by the rated integred by the rated by the rated integred by the rated integrated by the rated by the rate	dampers large enough by. th Section 717.4.2 all be protected by a sl S [DAMPERS] all be protected in accord R FINISHES Shall be permitted to be EAD Rooms and Enclosed Spaces C C C NS	haft enclosure or shall bridge established by the formula shall be	comply with Secondary 17.6.3 Illowing: E DEVELOPED 0-450 0-450 0-450 N-SPRINKLERE Corridors B A B NO RESTRICTION	D Rooms and Enclosed Spaces C B C C DNS
717.6 717.6.3 802.7 803.1.2	ACCESS A Provide acce and it operate Access shall Identify all access shall access shall Identify all access shall Identif	AND IDENTIFICATION Less to all fire, smoke, a cole parts. Inot affect or reduce the coess points with a lab coess points wit	I [DAMPERS] and combination the rated integred pel complying with the rated pel complying with the rat	dampers large enough by. th Section 717.4.2 all be protected by a sl S [DAMPERS] all be protected in accord R FINISHES Shall be permitted to be EAD Rooms and Enclosed Spaces C C C NS	haft enclosure or shall bridge established by the formula shall shall be established by the formula shall brigger shall brigger shall brigger shall be established by the formula shall brigger shall be established by the formula shall brigger shall brigger shall be established by the formula shall brigger shall brigger shall be established by the formula shall brigger shall brigger shall be established by the formula shall brigger shall brigger shall be established by the formula shall be established by	comply with Secondary 17.6.3 Illowing: E DEVELOPED 0-450 0-450 0-450 N-SPRINKLERE Corridors B A B NO RESTRICTION r finish directly to	D Rooms and Enclosed Spaces C B C DNS
717.6 717.6.3 802.7 803.1.2 Table 803.13	ACCESS A Provide acce and it operate Access shall Identify all access	AND IDENTIFICATION ass to all fire, smoke, a pole parts. Inot affect or reduce the coess points with a lab FAL ASSEMBLIES [Date aby ducts and air trans assistance-Rated FLOG aby ducts and air trans FICS differ resistance of a but ALL AND CEILING F Exit Enclosures and Passageways B A C ACHMENT AND FUR or ceilings are required or furring strips not me and spaces between fur CONSTRUCTION	I [DAMPERS] and combination the rated integred pel complying with AMPERS] after openings shape of the pel complying with OR ASSEMBLIE after openings shape of the penings shape of the penings shape of the penings shape of the penings of the peni	dampers large enough y. th Section 717.4.2 all be protected by a sl S [DAMPERS] all be protected in accord R FINISHES Shall be permitted to be EAD Rooms and Enclosed Spaces C C C C NS CTION Stance-rated or noncomplete in size. norganic, noncombusti	haft enclosure or shall bridge established by the formula shall shall be established by the formula sh	comply with Secondary 17.6.3 Illowing: E DEVELOPED 0-450 0-450 0-450 N-SPRINKLERE Corridors B A B NO RESTRICTION or finish directly to al; or fireblock at	D Rooms and Enclosed Spaces C B C DNS D such
717.6 717.6.3 802.7 803.1.2 Table 803.13	ACCESS A Provide acce and it operate Access shall Identify all access	AND IDENTIFICATION ass to all fire, smoke, a ble parts. Inot affect or reduce the cess points with a lab FAL ASSEMBLIES [D. by ducts and air trans Besistance-Rated FLOC by ducts and air trans IN TICS If fire resistance of a but Exit Enclosures and Passageways B A C C CACHMENT AND FUR or ceilings are require or furring strips not meng spaces between fur DINSTRUCTION or ceilings are set out	I [DAMPERS] and combination the rated integred bel complying with AMPERS] sfer openings shape of the properties of the	dampers large enough y. th Section 717.4.2 all be protected by a sl S [DAMPERS] all be protected in accord R FINISHES shall be permitted to be EAD Rooms and Enclosed Spaces C C C NS CTION stance-rated or noncompletes in size.	haft enclosure or shall bridge established by the formula shall be est	comply with Secondary 17.6.3 Illowing: E DEVELOPED 0-450 0-450 0-450 N-SPRINKLERE Corridors B A B NO RESTRICTION or finish directly to al; or fireblock at alprovide Class A	D Rooms and Enclosed Spaces C B C DNS such a 8 ft. intervals.
717.6 717.6.3 802.7 803.1.2 Table 803.13	ACCESS A Provide acce and it operate Access shall Identify all access	AND IDENTIFICATION ass to all fire, smoke, a pole parts. Inot affect or reduce the coess points with a lab FAL ASSEMBLIES [Date by ducts and air trans as by ducts and air trans by ducts and air trans fire resistance of a but fire resistance of a but ALL AND CEILING F Exit Enclosures and Passageways B A C ACHMENT AND FUR or ceilings are require or furring strips not me ng spaces between fur conceilings are set out	I [DAMPERS] and combination the rated integred bel complying with AMPERS] after openings shape of the second shape of the sec	dampers large enough y. th Section 717.4.2 all be protected by a sl S [DAMPERS] all be protected in accord R FINISHES Shall be permitted to be EAD Rooms and Enclosed Spaces C C C NS CTION stance-rated or noncompletes in size. norganic, noncombustic	haft enclosure or shall ordance with Section SMOK SMOK SMOK Exit Enclosures and Passageways A A B Inbustible, apply interior ble, or Class A materiol d or noncombustible,	comply with Secondary 17.6.3 Illowing: E DEVELOPED 0-450 0-450 0-450 N-SPRINKLERE Corridors B A B NO RESTRICTION or finish directly to al; or fireblock at alprovide Class Alprovide sprinkler	D Rooms and Enclosed Spaces C B C DNS such a 8 ft. intervals.
717.6 717.6.3 802.7 803.1.2 Table 803.13	Provide acceand it operate Access shall Identify all access and Penetrations Nonfire-Reserved Penetrations FOAM PLAS The required CLASS A B C INTERIOR W GROUP B, E, M AND R-1 I-3 S U DIRECT ATT Where walls construction Fill intervening SET-OUT CO Where walls and outside Provide set-of APPLICATION APPLICATION APPLICATION APPLICATION ACCESS AND PROVIDE ACCESS AND PROVIDED ACCESS AND PROV	AND IDENTIFICATION ass to all fire, smoke, and all fire parts. I not affect or reduce the coess points with a lab fall fall for some points with a lab fall fall fall fall fall fall fal	I [DAMPERS] and combination the rated integred bel complying with AMPERS] after openings shrutter ope	dampers large enough y. th Section 717.4.2 all be protected by a sl S [DAMPERS] all be protected in accord R FINISHES shall be permitted to be EAD Rooms and Enclosed Spaces C C C C NS CTION stance-rated or noncomplete in size. norganic, noncombustic be fire-resistance-rate be fire-resistance-rate	haft enclosure or shall ordance with Section Section SMOK SMOK SMOK Exit Enclosures and Passageways A A B Inbustible, apply interior dible, or Class A material dor noncombustible,	comply with Secondary 17.6.3 Illowing: E DEVELOPED 0-450 0-450 0-450 N-SPRINKLERE Corridors B A B NO RESTRICTION or finish directly to al; or fireblock at alprovide Sprinkler ied as Class A	D Rooms and Enclosed Spaces C B C DNS Such Strintervals.
717.6 717.6.3 802.7 803.1.2 Table 803.13	FOAM PLAS The required CLASS A B C INTERIOR W GROUP B, E, M AND R-1 I-3 S U DIRECT ATT Where walls construction Fill intervenin SET-OUT CO Where walls and outside Provide set-of	AND IDENTIFICATION Pess to all fire, smoke, a pole parts. I not affect or reduce the cess points with a lab TAL ASSEMBLIES [Date is by ducts and air transfer	I [DAMPERS] and combination he rated integree bel complying wi AMPERS] sfer openings sh OR ASSEMBLIE sfer openings sh ITERIOI Uilding element st FLAME SPR 0-25 26-75 76-200 INISH REQUIRE SPRINKLERED Corridors C A C O RESTRICTIO RED CONSTRUE ed to be fire-resis ore than 1-3/4 ir rring strips with in the and required to	dampers large enough y. th Section 717.4.2 all be protected by a sl S [DAMPERS] all be protected in accord R FINISHES shall be permitted to be EAD Rooms and Enclosed Spaces C C C C NS CTION stance-rated or noncomposite in size. norganic, noncombustic be fire-resistance-rate be fire-resistance-rate be fire-resistance-rate.	haft enclosure or shall ordance with Section Section SMOK SMOK SMOK Exit Enclosures and Passageways A A B Inbustible, apply interior dible, or Class A material dor noncombustible,	comply with Secondary 17.6.3 Illowing: E DEVELOPED 0-450 0-450 0-450 N-SPRINKLERE Corridors B A B NO RESTRICTION or finish directly to al; or fireblock at alprovide Sprinkler ied as Class A	D Rooms and Enclosed Spaces C B C DNS Such Strintervals.
717.6 717.6.3 802.7 803.1.2 Table 803.13	FOAM PLAS The required CLASS A B C INTERIOR W GROUP B, E, M AND R-1 I-3 S U DIRECT ATT Where walls construction Fill intervenin SET-OUT CO Where walls and outside Provide set-of COMBUSTIB	AND IDENTIFICATION ass to all fire, smoke, and one parts. I not affect or reduce the coess points with a label of the coess points and air transfer of the coess points with a label	I [DAMPERS] and combination the rated integred bel complying with AMPERS] sfer openings sh OR ASSEMBLIE sfer openings sh UTERIOI Lilding element sh FLAME SPR 0-25 26-75 76-200 INISH REQUIRE SPRINKLERED Corridors C A C ORESTRICTIO RED CONSTRUE and to be fire-resistore than 1-3/4 in rring strips with in the tand required to the cordance with Se LATERIALS IN Tan or embedded in ATERIALS	dampers large enough y. th Section 717.4.2 all be protected by a sl S [DAMPERS] all be protected in accord R FINISHES shall be permitted to be EAD Rooms and Enclosed Spaces C C C C NS CTION stance-rated or noncomposite in size. norganic, noncombustic be fire-resistance-rate be fire-resistance-rate be fire-resistance-rate.	haft enclosure or shall bridge established by the formula shall be	comply with Sector 2717.6.3 Illowing: E DEVELOPED 0-450 0-450 0-450 N-SPRINKLERE Corridors B A B NO RESTRICTION or finish directly to al; or fireblock at provide Class A provide sprinkler ied as Class A	Protection 717.6.3 Protection 717.6.3 Rooms and Enclosed Spaces C B C DNS Such at 8 ft. intervals. materials. protection within
717.6 717.6.3 802.7 803.1.2 Table 803.13 803.15.1	FOAM PLAS The required CLASS A B C INTERIOR W GROUP B, E, M AND R-1 I-3 S U DIRECT ATT Where walls construction Fill intervenin SET-OUT CO Where walls and outside Provide set-of APPLICATIO Combustible 805.1.1 throu	AND IDENTIFICATION ass to all fire, smoke, a ble parts. I not affect or reduce the cess points with a lab TAL ASSEMBLIES [Date is by ducts and air trans Besistance-Rated FLOG is by ducts and air trans TALL AND CEILING F Exit Enclosures and Passageways B A C TACHMENT AND FUR or ceilings are require or furring strips not m and spaces between fur DNSTRUCTION or ceilings are set out concealed space. DU COMBUSTIBLE M materials provided or ugh 805.1.3 BLE DECORATIVE MA combustible decorative applies applies	I [DAMPERS] and combination the rated integred bel complying with AMPERS] sfer openings sh OR ASSEMBLIE sfer openings sh UTERIOI Lilding element sh FLAME SPR 0-25 26-75 76-200 INISH REQUIRE SPRINKLERED Corridors C A C ORESTRICTIO RED CONSTRUE and to be fire-resistore than 1-3/4 in rring strips with in the tand required to the cordance with Se LATERIALS IN Tan or embedded in ATERIALS	dampers large enough by. th Section 717.4.2 all be protected by a sl S [DAMPERS] all be protected in accord R FINISHES Shall be permitted to be EAD Rooms and Enclosed Spaces C C C NS CTION stance-rated or noncomposite in size. norganic, noncombustic be fire-resistance-rate be fire-resistance-rate ection 803.11.1 for finis YPE I AND II CONSTE	haft enclosure or shall bridge established by the formula shall be	comply with Sector 2717.6.3 Illowing: E DEVELOPED 0-450 0-450 0-450 N-SPRINKLERE Corridors B A B NO RESTRICTION or finish directly to al; or fireblock at provide Class A provide sprinkler ied as Class A	Protection 717.6.3 Protection 717.6.3 Rooms and Enclosed Spaces C B C DNS Such at 8 ft. intervals. materials. protection within
717.6 717.6.3 802.7 803.1.2 Table 803.13	ACCESS A Provide acce and it operate Access shall Identify all access	AND IDENTIFICATION ass to all fire, smoke, a ble parts. I not affect or reduce the cess points with a lab FAL ASSEMBLIES [Date is by ducts and air trans Besistance-Rated FLOG is by ducts and air trans FALL AND CEILING F Exit Enclosures and Passageways B A C FACHMENT AND FUR or ceilings are require or furring strips not me and spaces between fur CONSTRUCTION Or ceilings are set out concealed space. Dut construction in according to the concealed or uph 805.1.3 BLE DECORATIVE MA combustible decorative applies RIM Dam plastic, shall be me Dam plastic, shall	I [DAMPERS] and combination the rated integred bel complying with AMPERS] sfer openings sh OR ASSEMBLIE sfer openings sh UTERIOF Liliding element st FLAME SPR 0-25 26-75 76-200 INISH REQUIRE SPRINKLERED Corridors C A C O RESTRICTIO RED CONSTRUE and to be fire-resistore than 1-3/4 in rring strips with stand required to the cordance with Set LATERIALS IN Tan or embedded in ATERIALS materials shall in ATERIALS materials shall in In or embedded in ATERIALS materials shall in ATERIALS	dampers large enough y. th Section 717.4.2 all be protected by a si S [DAMPERS] all be protected in accord R FINISHES shall be permitted to be EAD Rooms and Enclosed Spaces C C C NS ICTION Stance-rated or noncomplication in size. norganic, noncombustion be fire-resistance-rate be fire-resistance-rate be fire-resistance-rate or noncomplication in size. norganic, noncombustion Type I AND II CONSTRUCTION In floors or buildings of interpretation of the section 803.11.1 for finise or the section 803.11.1 for finise	haft enclosure or shall bridge established by the formula shall bridge established by the formula shall be established by the formula shal	comply with Sector 2717.6.3 Illowing: E DEVELOPED 0-450 0-450 N-SPRINKLERE Corridors B A B NO RESTRICTION or finish directly to al; or fireblock at provide Class A provide sprinkler ied as Class A on shall comply we walls and ceiling	Pooms and Enclosed Spaces C B C C C Such St. intervals. materials. protection within

703.2.2	Fire resistan	I fire resistance of a back ce designs documen designs if fire-resista	ited in approved sou	irces		-	
Table		M	AVIMIIM ADEA OE	EXTERIOR WALL O	DENINCE		
705.8	FIRE SEPA	ARATION DISTANCE		PROTI	ECTION Nonsprinklered	ALLOW No Limit	VABLE AREA
	30	Feet or greater		Protected, No Protected	nsprinklered	No Limit No Limit	
707.5.1		ing construction for fire ba			sistive rated as the	fire barrier.	
707.6.8		G [FIRE BARRIERS] g shall be protected	nor Soction 716: lim	ited to maximum ag	grogate width of 25°	/ of longth of wall: a	and maximum
	area of any s	single opening shall be Openings shall not be	be 156 SF			-	illu illaxiilluill
		RESISTANCE-RATE			, , , , , , , , , , , , , , , , , , ,		
714.5		shall comply with Se		comply with 714.5.1	or 714.5.4		
715.1	FIRE-RESI	STANT JOINT SYST	EMS				
Table 716.1(2)		R AND FIRE SHUTT	ER FIRE	WALL AS	SEMBLY ING		R / SIDELIGHT HUTTER RATI
71011(2)	FIRE WALI	LS		3 HRS 2 HRS	S.	1-	HRS. 1/2 HRS.
		RIERS: SHAFT, EXIT RE, EXIT PASSAGE		2 HRS 2 HRS 1 HOI	S.	1-	1/2 HRS. 1/2 HRS. HOUR
	FIRE BAR	RIERS: OTHER TITIONS: CORRIDO		1 HOI	JR	3/-	4 HOUR 3 HOUR
	FIRE PART	TITIONS: OTHER ARRIERS		1 HOI 1 HOI			4 HOUR 3 HOUR
716.1.2.1	SAFETY G	LAZING g shall be protected	nor Soction 716: lim	ited to maximum and	grogato width of 25°	of longth of wall: 2	and maximum
		ig shall be protected is single opening shall be		a to maximum ay		- Congai oi wall, d	
Table 716.1(3)	PROTECTI	OOW ASSEMBLY FIR	RE	ASSEI RATIN		RATINO	
	INTERIOR	FIRE WALLS FIRE BARRIERS		ALL GREATER TH		NOT PERI	MITTED (a)
	INTERIOR	FIRE BARRIERS SMOKE BARRIERS FIRE PARTITIONS	}	1 HOI 1 HOI 1 HOI	JR	NOT PERI 3/4 HOL 3/4 HOL	
	INTERIOR	FIRE PARTITIONS ed except fire-resista	ance-rated alazing a	1/2 H	OUR	1/3 HOL	JR
717.4	ACCESS A	AND IDENTIFICATION	N [DAMPERS]				
	Provide acce	ess to all fire, smoke,	and combination da	ampers large enough	n to permit inspection	n and maintenance	of the damper
	and it operat	<u> </u>	Alexandra di Sala anno Anno				
	and it operate Access shall	one parts. I not affect or reduce ccess points with a la	· ·	Section 717.4.2			
717.6 717.6.3	and it operate Access shall Identify all ac HORIZONT Penetrations Nonfire-Re Penetrations	I not affect or reduce occess points with a last rank assemblies [I as by ducts and air trank esistance-Rated FLC as by ducts and air trank as by du	DAMPERS] Insfer openings shall DOR ASSEMBLIES Insfer openings shall	be protected by a sl	ordance with Section		ion 717.6.3
717.6.3 802.7	Access shall Identify all access shall acces	I not affect or reduce occess points with a last rank assemblies [I as by ducts and air trank esistance-Rated FLC as by ducts and air trank as by du	DAMPERS] Insfer openings shall DOR ASSEMBLIES Insfer openings shall NTERIOR Duilding element shall	[DAMPERS] be protected in acco	ordance with Section	n 717.6.3 following:	ion 717.6.3
717.6.3	and it operate Access shall Identify all access shall access shall Identify all access shall acc	I not affect or reduce ccess points with a last rate assemblies [I state of the company of the c	DAMPERS] Insfer openings shall DOR ASSEMBLIES Insfer openings shall NTERIOR	[DAMPERS] be protected in acco	ordance with Section	n 717.6.3	ion 717.6.3
717.6.3 802.7 803.1.2	Access shall Identify all access shall access shall all access shall a	I not affect or reduce ccess points with a last points with a last points. TAL ASSEMBLIES [I is by ducts and air transport of the control of	DAMPERS] Insfer openings shall DOR ASSEMBLIES Insfer openings shall NTERIOR Duilding element shall FLAME SPREA 0-25 26-75 76-200	DAMPERS] be protected in accordance FINISHES all be permitted to be	established by the	following: KE DEVELOPED 0-450	ion 717.6.3
717.6.3 802.7	Access shall Identify all access shall access shall all access shall a	I not affect or reduce ccess points with a last rate assemblies [I state of the company of the c	DAMPERS] Insfer openings shall DOR ASSEMBLIES Insfer openings shall NTERIOR Duilding element shall FLAME SPREA 0-25 26-75 76-200	DAMPERS] be protected in accordance FINISHES all be permitted to be	established by the	following: KE DEVELOPED 0-450 0-450	
717.6.3 802.7 803.1.2	Access shall Identify all access shall access shall all access shall a	I not affect or reduce ccess points with a last points with a last points. TAL ASSEMBLIES [I is by ducts and air transport of the control of	DAMPERS] Insfer openings shall DOR ASSEMBLIES Insfer openings shall NTERIOR Duilding element shall FLAME SPREA 0-25 26-75 76-200 FINISH REQUIREM	DAMPERS] be protected in accordance FINISHES all be permitted to be	established by the	following: KE DEVELOPED 0-450 0-450 0-450 ON-SPRINKLERED Corridors	Rooms and
717.6.3 802.7 803.1.2	Access shall Identify all access shall acces	I not affect or reduce occess points with a last points with a last points. TAL ASSEMBLIES [I is by ducts and air transport of the content of	DAMPERS] Insfer openings shall DOR ASSEMBLIES Insfer openings shall NTERIOR Duilding element shall FLAME SPREA 0-25 26-75 76-200 FINISH REQUIREM SPRINKLERED	DAMPERS] be protected in accordance FINISHES all be permitted to be AD ENTS BY OCCUPAN	established by the SMO NCY Exit Enclosures	following: KE DEVELOPED 0-450 0-450 0-450 ON-SPRINKLERED Corridors	Rooms and
717.6.3 802.7 803.1.2	Access shall Identify all access shall acces	ALL AND CEILING I Exit Enclosures and Passageways B A C	DAMPERS] Insfer openings shall DOR ASSEMBLIES In	DAMPERS] be protected in accordance FINISHES all be permitted to be ENTS BY OCCUPAN Rooms and Enclosed Spaces C C C C	established by the SMO NCY Exit Enclosures and Passageways	following: KE DEVELOPED 0-450 0-450 ON-SPRINKLERED Corridors B A B	Rooms and Enclosed Sp C B C
717.6.3 802.7 803.1.2 Table 803.13	Access shall Identify all access shall acces	TALL AND CEILING Exit Enclosures and Passageways B A C	DAMPERS] Insfer openings shall DOR ASSEMBLIES Insfer openings shall DOR ASSEMBLIES Insfer openings shall DUILDING SHALL DUILDING SHALL DUILDING SHALL DUILDING SHALL DUILDING SHALL CONTRIBUTE SH	DAMPERS] be protected in accordance FINISHES all be permitted to be AD ENTS BY OCCUPAN Rooms and Enclosed Spaces C C C C	established by the SMO NCY Exit Enclosures and Passageways A A	following: KE DEVELOPED 0-450 0-450 ON-SPRINKLERED Corridors B A	Rooms and Enclosed Sp C B C
717.6.3 802.7 803.1.2	Access shall Identify all access shall access shall Identify all access shall Identify all acces	ALL AND CEILING I Exit Enclosures and Passageways B A C	A C NO RESTRICTIONS REED CONSTRUCT Red to be fire-resista	ENTS BY OCCUPAN Rooms and Enclosed Spaces C C C C C C C C C C C C C	established by the SMO NCY Exit Enclosures and Passageways A A B	following: KE DEVELOPED 0-450 0-450 ON-SPRINKLERED Corridors B A B NO RESTRICTION	Rooms and Enclosed Sp C B C NS
717.6.3 802.7 803.1.2 Table 803.13	Access shall Identify all access shall Ident	TALL AND CEILING Exit Enclosures and Passageways B A C C CACHMENT AND FUL or ceilings are required or furring strips not read and specific strips and read and specific strips are required or furring strips not read and specific strips and read and specific strips are required or furring strips not read and specific strips are required or furring strips not read and specific strips are required or furring strips not read and specific strips are required or furring strips not read and specific strips are required or furring strips not read and specific strips are required or furring strips not read and specific strips are required or furring strips not read and specific strips are required and specific strips.	DAMPERS] Insfer openings shall DOR ASSEMBLIES Insfer openings shall DOR ASSEMBLIES Insfer openings shall DUIII INSTERIOR PLAME SPREA 0-25 26-75 76-200 FINISH REQUIREM SPRINKLERED Corridors C A C NO RESTRICTIONS RRED CONSTRUCT red to be fire-resista more than 1-3/4 inch	ENTS BY OCCUPAN Rooms and Enclosed Spaces C C C C C C C C C C C C C	established by the SMO SINCY Exit Enclosures and Passageways A A B Inbustible, apply interesting the second control of the se	following: KE DEVELOPED 0-450 0-450 ON-SPRINKLERED Corridors B A B NO RESTRICTION	Rooms and Enclosed Sp C B C NS
717.6.3 802.7 803.1.2 Table 803.13	Access shall Identify all access shall Ident	TICS If fire resistance of a base and Passageways B A C C CACHMENT AND FUL Or ceilings are required for furring strips not renamed spaces between for ceilings are set or ceilings.	DAMPERS] Insfer openings shall DOR ASSEMBLIES In	ENTS BY OCCUPAN Rooms and Enclosed Spaces C C C C C C C C C C C C C C C C C C	established by the SMO NCY Exit Enclosures and Passageways A A B Dibustible, apply interested or noncombustible	following: KE DEVELOPED 0-450 0-450 ON-SPRINKLERED Corridors B A B NO RESTRICTION rior finish directly to a serial; or fireblock at 8	Rooms and Enclosed Sp C B C NS such 3 ft. intervals.
717.6.3 802.7 803.1.2 Table 803.13	Access shall Identify all access shall Ident	TAL ASSEMBLIES [I is by ducts and air transport of the sesistance-Rated FLC is by ducts and air transport of the sesistance of a bit of the sesistance of a	DAMPERS] Insfer openings shall DOR ASSEMBLIES In	ENTS BY OCCUPAN Rooms and Enclosed Spaces C C C C C C C C C C C C C	established by the SMO SMO Exit Enclosures and Passageways A A B Dibustible, apply interest ble, or Class A material dor noncombustible dor	following: KE DEVELOPED 0-450 0-450 ON-SPRINKLERED Corridors B A B NO RESTRICTION rior finish directly to a erial; or fireblock at 8 e, provide Class A me e, provide sprinkler p	Rooms and Enclosed Sp C B C NS such 3 ft. intervals.
717.6.3 802.7 803.1.2 Table 803.13	Access shall Identify all access shall Ident	TAL ASSEMBLIES [I is by ducts and air transport of the composition of	DAMPERS] Insfer openings shall DOR ASSEMBLIES In	DAMPERS] be protected in accordance. FINISHES all be permitted to be AD ENTS BY OCCUPAN Rooms and Enclosed Spaces C C C C C c inion ince-rated or noncomes in size. rganic, noncombustice fire-resistance-rate of fire-resi	established by the SMO NCY NExit Enclosures and Passageways A B Inbustible, apply interest ble, or Class A materials not class the materials not class the second control of the materials not class the second control of the second contro	following: KE DEVELOPED 0-450 0-450 ON-SPRINKLERED Corridors B A B NO RESTRICTION rior finish directly to a erial; or fireblock at 8 e, provide Class A me e, provide sprinkler p	Rooms and Enclosed Sp C B C NS such 3 ft. intervals.
717.6.3 802.7 803.1.2 Table 803.13	Access shall Identify all access and Identify all access and Identified	ALL AND CEILING I Exit Enclosures and Passageways B A C C CACHMENT AND FUL Or ceilings are required for furring strips not remaining spaces between further to concealed space. CONSTRUCTION Or ceilings are set or concealed space. CONSTRUCTION OR COMBUSTIBLE IN CONSTRUCTION or ceilings are set or concealed space.	DAMPERS] Insfer openings shall DOR ASSEMBLIES INSTERIOR PLAME SPREA 0-25 26-75 76-200 FINISH REQUIREM SPRINKLERED Corridors C A C NO RESTRICTIONS RRED CONSTRUCT Intered to be fire-resistat inter	ENTS BY OCCUPAN Rooms and Enclosed Spaces C C C C C C C C C C C C C	established by the SMO SMO Exit Enclosures and Passageways A A B Inbustible, apply interested or noncombustible dor nonc	following: KE DEVELOPED 0-450 0-450 ON-SPRINKLERED Corridors B A B NO RESTRICTION rior finish directly to a erial; or fireblock at 8	Rooms and Enclosed Sp C B C NS such Stt. intervals.
717.6.3 802.7 803.1.2 Table 803.13	Access shall Identify all access shall Ident	ALL AND CEILING Exit Enclosures and Passageways B A C C CACHMENT AND FUL Or ceilings are required furring strips not remain spaces between fur concealed space. DISTRUCTION Or ceilings are set or concealed space. Dut construction in action of the concealed space. Dut construction of the concealed space.	DAMPERS] Insfer openings shall DOR ASSEMBLIES Insfer openings shall NTERIOR DUILDING ELEMENTS FLAME SPREA 0-25 26-75 76-200 FINISH REQUIREM SPRINKLERED Corridors C A C NO RESTRICTIONS RRED CONSTRUCT red to be fire-resistate and required to be at and required to be accordance with Section or embedded in file the section of the control of the section of the control of the section of	ENTS BY OCCUPAN Rooms and Enclosed Spaces C C C C C C C C C C C C C	established by the SMO SMO SITUATION SIT	following: KE DEVELOPED 0-450 0-450 ON-SPRINKLERED Corridors B A B NO RESTRICTION cior finish directly to a serial; or fireblock at 8 seri	Rooms and Enclosed Sp C B C NS such atterials. crotection within
717.6.3 802.7 803.1.2 Table 803.13 803.15.1	Access shall Identify all access shall Ident	TAL ASSEMBLIES [I is by ducts and air transport of the property of the propert	DAMPERS] Insfer openings shall DOR ASSEMBLIES Insfer openings shall NTERIOR DUILDING ELEMENTS FLAME SPREA 0-25 26-75 76-200 FINISH REQUIREM SPRINKLERED Corridors C A C NO RESTRICTIONS RRED CONSTRUCT red to be fire-resistate and required to be at and required to be accordance with Section or embedded in file the section of the control of the section of the control of the section of	ENTS BY OCCUPAN Rooms and Enclosed Spaces C C C C C C C C C C C C C	established by the SMO SMO SITUATION SIT	following: KE DEVELOPED 0-450 0-450 ON-SPRINKLERED Corridors B A B NO RESTRICTION cior finish directly to a serial; or fireblock at 8 seri	Rooms and Enclosed Sp C B C NS such atterials. crotection within
717.6.3 802.7 803.1.2 Table 803.13 803.15.1	Access shall Identify all access shall Identify all acceptance Identifies Identify all acceptance Identifies Ident	ALL AND CEILING I Exit Enclosures and Passageways B A C C CACHMENT AND FUL Or ceilings are required furring strips not remaining spaces between further strips. CONSTRUCTION Or ceilings are set on concealed space. CONSTRUCTION Or ceilings are set on concealed space. CONSTRUCTION OR	DAMPERS] Insfer openings shall DOR ASSEMBLIES INSTERIOR FLAME SPREA 0-25 26-75 76-200 FINISH REQUIREM SPRINKLERED Corridors C A C NO RESTRICTIONS RRED CONSTRUCT Tred to be fire-resistate more than 1-3/4 inches cord to be fire-resistate more than 1-3/4 inches cord and required to be cordance with Sect MATERIALS IN TYPE IN OR OF THE INSTERIOR INTERIALS IN TYPE IN OR OF THE INSTRUCT IN O	ENTS BY OCCUPAN Rooms and Enclosed Spaces C C C C C C C C C C C C C	established by the SMO SMO SITUATION SIT	following: KE DEVELOPED 0-450 0-450 ON-SPRINKLERED Corridors B A B NO RESTRICTION cior finish directly to a serial; or fireblock at 8 seri	Rooms and Enclosed Sp C B C NS such atterials. crotection within
717.6.3 802.7 803.1.2 Table 803.13 803.15.1	Access shall Identify all access shall Ident	TAL ASSEMBLIES [I is by ducts and air transport of the property of the propert	A C NO RESTRICTIONS RED CONSTRUCT Ted to be fire-resistant or than 1-3/4 inchurring strips with incurring st	DAMPERS] be protected in accordance. FINISHES all be permitted to be and accordance. ENTS BY OCCUPANT Rooms and Enclosed Spaces C C C C C C inion ince-rated or noncomies in size. rganic, noncombusting in the fire-resistance-rate in size. FINISHES ENTS BY OCCUPANT Rooms and Enclosed Spaces C C C C C C C C C C C C C C C C C C	established by the SMO SINCY NExit Enclosures and Passageways A A B Inbustible, apply interest ble, or Class A materials not class dor noncombustible of or noncombustible dor no	following: KE DEVELOPED 0-450 0-450 ON-SPRINKLERED Corridors B A B NO RESTRICTION rior finish directly to a control of the control	Rooms and Enclosed Sp C B C NS such atterials. crotection within th Secions
717.6.3 802.7 803.1.2 Table 803.13 803.15.1	Access shall Identify all access shall Ident	TAL ASSEMBLIES [I is by ducts and air transport of the property of the propert	A C NO RESTRICTIONS RED CONSTRUCT Ted to be fire-resistant or than 1-3/4 inchurring strips with incurring st	DAMPERS] be protected in accordance. FINISHES all be permitted to be and accordance. ENTS BY OCCUPANT Rooms and Enclosed Spaces C C C C C C inion ince-rated or noncomies in size. rganic, noncombusting in the fire-resistance-rate in size. FINISHES ENTS BY OCCUPANT Rooms and Enclosed Spaces C C C C C C C C C C C C C C C C C C	established by the SMO SINCY NExit Enclosures and Passageways A A B Inbustible, apply interest ble, or Class A materials not class dor noncombustible of or noncombustible dor no	following: KE DEVELOPED 0-450 0-450 ON-SPRINKLERED Corridors B A B NO RESTRICTION rior finish directly to a control of the control	Rooms and Enclosed Sp C B C NS such atterials. crotection within th Secions
717.6.3 802.7 803.1.2 Table 803.13 803.15.1	Access shall Identify all access shall Ident	TAL ASSEMBLIES [I is by ducts and air transport of the property of the propert	A C NO RESTRICTIONS RED CONSTRUCT Ted to be fire-resistant or than 1-3/4 inchurring strips with incurring st	DAMPERS] be protected in accordance. FINISHES all be permitted to be and accordance. ENTS BY OCCUPANT Rooms and Enclosed Spaces C C C C C C inion ince-rated or noncomies in size. rganic, noncombusting in the fire-resistance-rate in size. FINISHES ENTS BY OCCUPANT Rooms and Enclosed Spaces C C C C C C C C C C C C C C C C C C	established by the SMO SINCY NExit Enclosures and Passageways A A B Inbustible, apply interest ble, or Class A materials not class dor noncombustible of or noncombustible dor no	following: KE DEVELOPED 0-450 0-450 ON-SPRINKLERED Corridors B A B NO RESTRICTION rior finish directly to a control of the control	Rooms and Enclosed Sp C B C NS such atterials. crotection within th Secions
717.6.3 802.7 803.1.2 Table 803.13 803.15.1	Access shall Identify all access shall Ident	TAL ASSEMBLIES [I is by ducts and air transport of the property of the propert	A C NO RESTRICTIONS RED CONSTRUCT Ted to be fire-resistant or than 1-3/4 inchurring strips with incurring st	DAMPERS] be protected in accordance. FINISHES all be permitted to be and accordance. ENTS BY OCCUPANT Rooms and Enclosed Spaces C C C C C C inion ince-rated or noncomies in size. rganic, noncombusting in the fire-resistance-rate in size. FINISHES ENTS BY OCCUPANT Rooms and Enclosed Spaces C C C C C C C C C C C C C C C C C C	established by the SMO SINCY NExit Enclosures and Passageways A A B Inbustible, apply interest ble, or Class A materials not class dor noncombustible of or noncombustible dor no	following: KE DEVELOPED 0-450 0-450 ON-SPRINKLERED Corridors B A B NO RESTRICTION rior finish directly to a control of the control	Rooms and Enclosed Sp C B C NS such atterials. crotection within th Secions
717.6.3 802.7 803.1.2 Table 803.13 803.15.1	Access shall Identify all access shall Ident	TAL ASSEMBLIES [I is by ducts and air transport of the property of the propert	A C NO RESTRICTIONS RED CONSTRUCT Ted to be fire-resistant or than 1-3/4 inchurring strips with incurring st	DAMPERS] be protected in accordance. FINISHES all be permitted to be and accordance. ENTS BY OCCUPANT Rooms and Enclosed Spaces C C C C C C inion ince-rated or noncomies in size. rganic, noncombusting in the fire-resistance-rate in size. FINISHES ENTS BY OCCUPANT Rooms and Enclosed Spaces C C C C C C C C C C C C C C C C C C	established by the SMO SINCY NExit Enclosures and Passageways A A B Inbustible, apply interest ble, or Class A materials not class dor noncombustible of or noncombustible dor no	following: KE DEVELOPED 0-450 0-450 ON-SPRINKLERED Corridors B A B NO RESTRICTION rior finish directly to a control of the control	Rooms and Enclosed Sp C B C NS such atterials. crotection within th Secions
717.6.3 802.7 803.1.2 Table 803.13 803.15.1	Access shall Identify all access shall Ident	TAL ASSEMBLIES [I is by ducts and air transport of the property of the propert	A C NO RESTRICTIONS RED CONSTRUCT Ted to be fire-resistant or than 1-3/4 inchurring strips with incurring st	DAMPERS] be protected in accordance. FINISHES all be permitted to be and accordance. ENTS BY OCCUPANT Rooms and Enclosed Spaces C C C C C C inion ince-rated or noncomies in size. rganic, noncombusting in the fire-resistance-rate in size. FINISHES ENTS BY OCCUPANT Rooms and Enclosed Spaces C C C C C C C C C C C C C C C C C C	established by the SMO SINCY NExit Enclosures and Passageways A A B Inbustible, apply interest ble, or Class A materials not class dor noncombustible of or noncombustible dor no	following: KE DEVELOPED 0-450 0-450 ON-SPRINKLERED Corridors B A B NO RESTRICTION rior finish directly to a control of the control	Rooms and Enclosed Sp C B C NS such atterials. crotection within th Secions
717.6.3 802.7 803.1.2 Table 803.13 803.15.1	Access shall Identify all access shall Ident	TAL ASSEMBLIES [I is by ducts and air transport of the property of the propert	A C NO RESTRICTIONS RED CONSTRUCT Ted to be fire-resistant or than 1-3/4 inchurring strips with incurring st	DAMPERS] be protected in accordance. FINISHES all be permitted to be and accordance. ENTS BY OCCUPANT Rooms and Enclosed Spaces C C C C C C inion ince-rated or noncomies in size. rganic, noncombusting in the fire-resistance-rate in size. FINISHES ENTS BY OCCUPANT Rooms and Enclosed Spaces C C C C C C C C C C C C C C C C C C	established by the SMO SINCY NExit Enclosures and Passageways A A B Inbustible, apply interest ble, or Class A materials not class dor noncombustible of or noncombustible dor no	following: KE DEVELOPED 0-450 0-450 ON-SPRINKLERED Corridors B A B NO RESTRICTION rior finish directly to a control of the control	Rooms and Enclosed Sp C B C NS such atterials. crotection within th Secions
717.6.3 802.7 803.1.2 Table 803.13 803.15.1	Access shall Identify all access shall Ident	TAL ASSEMBLIES [I is by ducts and air transport of the property of the propert	A C NO RESTRICTIONS RED CONSTRUCT Ted to be fire-resistant or than 1-3/4 inchurring strips with incurring st	DAMPERS] be protected in accordance. FINISHES all be permitted to be and accordance. ENTS BY OCCUPANT Rooms and Enclosed Spaces C C C C C C inion Ince-rated or noncomies in size. rganic, noncombusting in the permitted or size. rganic and accordance in a	established by the SMO SINCY NExit Enclosures and Passageways A A B Inbustible, apply interest ble, or Class A materials not class dor noncombustible of or noncombustible dor no	following: KE DEVELOPED 0-450 0-450 ON-SPRINKLERED Corridors B A B NO RESTRICTION rior finish directly to a control of the control	Rooms and Enclosed Sp C B C NS such atterials. crotection within th Secions

SPECIAL INSPECTIONS	
SELCIAL INSELCTIONS	
GLASS UNIT MASONRY AND MASONRY VENEER IN RISK CATEGORY IV. Special inspections and tests for glass unit masonry or masonry veneer designed in accordance with Section 2110 or Chapter 14, respectively, where they are part of a structure classified as Risk Category IV.	703.2.2
ARCHITECTURAL COMPONENTS Periodic special inspection is required for the erection and fastening of exterior cladding, interior and exterior nonbearing walls and interior and exterior veneer in structures assigned to Seismic Category D, E, or F. ACCESS FLOORS	Table 705.8
Periodic special inspection is required for the anchorage of access floors in structures assigned to Seismic Category D, E, or F. Manual and automatic fire alarm system shall be provided.	707.5.
STORAGE RACKS Steel storage racks and steel cantilevered storage racks that are 8 feet in height of greater and assigned to Seismic Design Category D, E, or F shall be provided with periodic special inspections as required by Table 1705.13.7	707.6.8
SPRAYED FIRE-RESISTANT MATERIALS Special inspections and test of sprayed fire-resistant materials applied to floor, roof and wall assemblies and structural members shall be performed in accordance with Sections 1705.15.1 through 1705.15.6.	714.5
MASTIC AND INTUMESCENT FIRE-RESISTANT COATINGS Special inspections and tests for mastic and intumescent fire-resistant coatings applied to structural elements and decks shall be	714.5
performed in accordance with AWCI 12-B. Special inspections and tests shall be based on the fire-resistance design as designated in the approved construction documents. Special inspections and tests shall be performed during construction. Additional visual inspection shall be performed after the rough installation, and where applicable, prior to the concealement of electrical, automatic sprinkler, mechanical and plumbing systems.	715.1 Table
FIRE-RESISTANT PENETRATIONS AND JOINTS In buildings assigned to Risk Category III or IV, special inspections through penetrations, membrane penetration firestops, fire-resistant joint systems and perimeter fire containment systems that are tested and <i>listed</i> in accordance with Secionts 714.4.1.2, 714.5.1.2, 715.3.1 and 715.4 shall be in accordance with Section 1705.18.1 or 1705.18.2	716.1(2
ETAILED REQUIREMENTS BASED ON USE AND OCCUPANCY	
MIXED OCCUPANCY SEPARATION (OPEN PARKING GARAGE) The Vehicle Sallyport shall be separated from other occupancies in accordance with the method described in 508.1	
DOOR WIDTH	716.1.2
Door to resident sleeping units shall have a clear width of not less than 28 inches, except 32 inches at accessible sleeping units.	Table 716.1(
Exits are permitted to discharge into a fenced or walled courtyard. Enclosed yards or courts shall be of a size to accommodate all occupants, be located not less than 50 feet from the building and have an area of not less the 15 square feet per person.	
SALLYPORTS [GROUP I-3] A Sallyport shall be permitted in a means of egress where there are provisions for continuous and unobstructed passage	
through the sallyport during an emergency egress condition. Sallyports are incorporated into the means of egress.	
SMOKE BARRIER [GROUP I-3] Occupancies in I-3 have smoke barriers and are separated into at least two smoke compartments.	717.4
SMOKE COMPARTMENTS [GROUP I-3] Maximum number of residents 200, actual number of residents and travel distances are confirmed in each smoke compartment.	717.6
SECRUITY GLAZING [GROUP I-3] Security glazing is provided in smoke barriers.	
SUBDIVISION OF RESIDENT SLEEPING AREAS, CONDITION 4 A smoke-tight partition shall separate the cells from the dayrooms.	717.6.3
OPENINGS IN ROOM FACE	802.7
The aggregate area of openings in cell doors are less than 120 square inches, and are less than 36 inches above the finish floor.	803.1.2
SMOKE TIGHT DOORS Door closures are not provided on cell doors.	003.1.2
AREA OF REFUGE [GROUP I-3] Area of refuge is provided on each side of each smoke barrier and is sized for the appropriate number of occupants.	Table 803.13
WINDOWLESS BUILDINGS [GROUP I-3] All smoke compartments are provided with an engineered smoke control system.	
CONTROL AREAS Control areas shall be defined by individual spaces separated in accordance with Section 414.2.4.	
FIRE-RESISTANCE RATING REQUIREMENTS [CONTROL AREAS]	803.15
Each control area shall be separated by 1-hour fire barriers and 2 hour horizontal assemblies. FIRE PROTECTIONS SYSTEMS	000 45
	803.15
GENERAL [AUTOMATIC SPRINKLER SYSTEMS] Automatic NFPA 13 wet-pipe sprinkler system shall be provided throughout entire building(s), except at recreation yards (preaction).	005.4
PORTABLE FIRE EXTINGUISHER DISTRIBUTION Maxiumum floor area coverage shall not exceed 11.250 SF Maxiumum travel distance shall not exceet 75 feet.	805.1
Shall not be obstructed of obscurred from view. Shall be provided where flammable or combustible liquids are stored, used, or dispersed.	[F] 806
PORTABLE FIRE EXTINGUISHER CABINETS Exception 2: Fire extinguishers shall be locked and located in staff positions in I-3.	[F] 806
WHERE REQUIRED [FIRE ALARM AND DETECTION SYSTEM] Manual and automatic fire alarm system shall be provided.	
FIRE ALARM [GROUP I-3] Group I-3 occupancies shall be equipped with a manual fire alarm system and automatic smoke detection system installed for alerting staff	
FIRE ALARM [GROUP I-3] SYSTEM INITIATION Actuation shall initiage an approved fire alarm signal which notifies staff.	
FIRE ALARM [GROUP I-3] MANUAL FIRE ALARM BOXES IN DETAINEE AREAS Not required to be located in detainee areas where the fire alarm boxes are provided at staff-attended locations having direct supervision over the areas where the boxes are omitted.	
AUTOMATIC SMOKE DETECTION SYSTEM [GROUP I-3] Exception 3: Not required in sprinklered sleeping units with fewer than 4 occupants.	
SMOKE CONTROL SYSTEM Smake control system shall be based on the "cyboust" method	

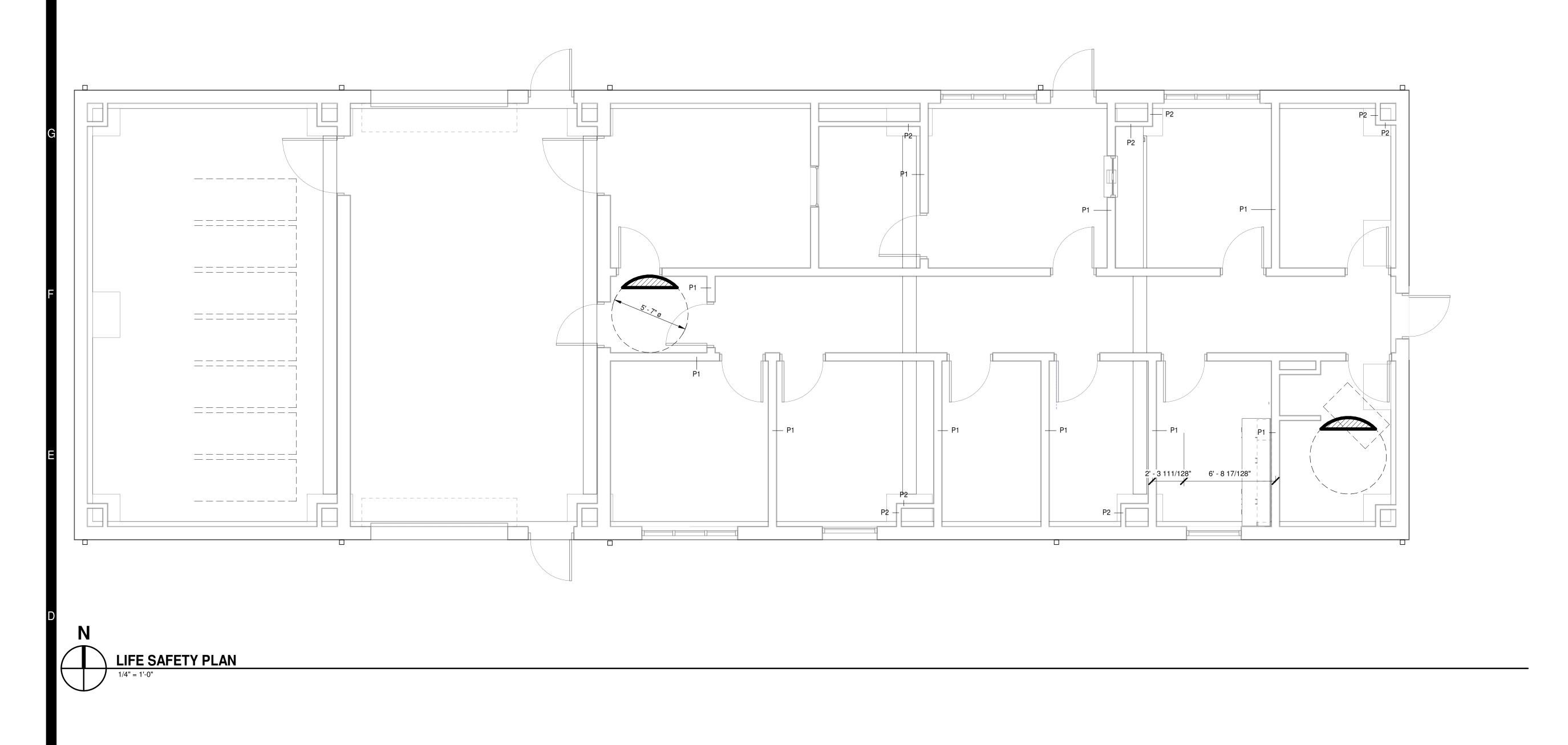
GEORGE

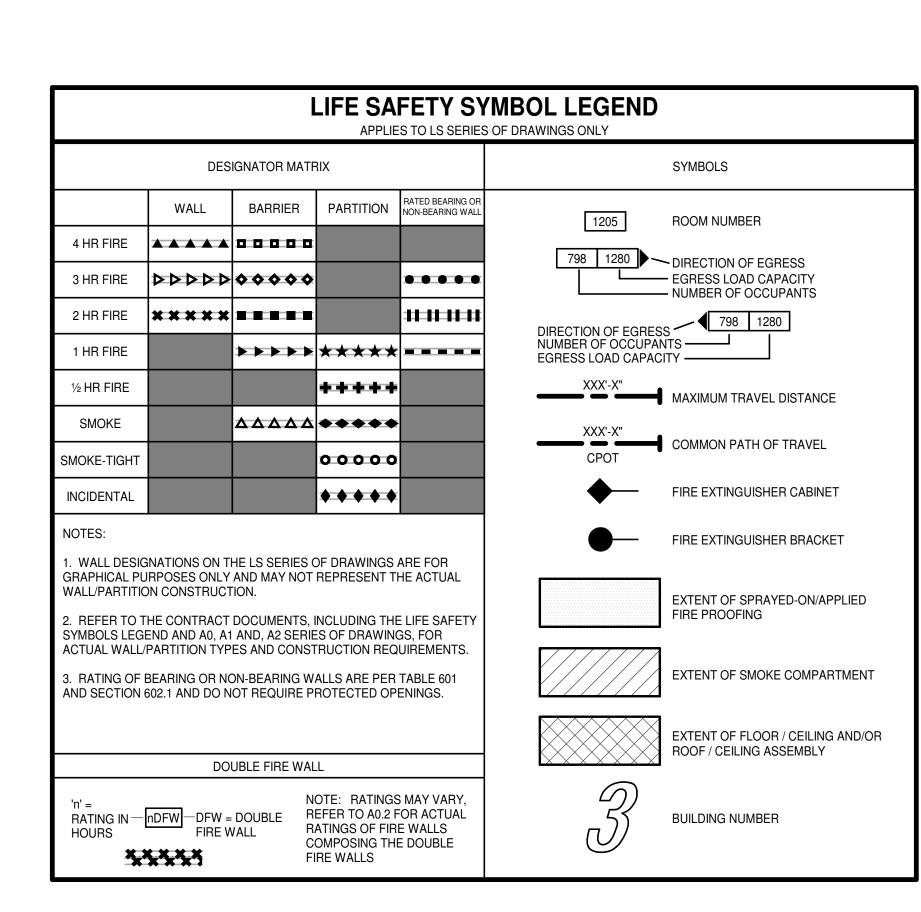
REMARKS

PROJECT NO: 611315 DATE: FEBRUARY 26, 2024 REVISIONS

DATE DESCRIPTION

LIFE SAFETY INFORMATION





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				
	Xn							
	Xn							
	Xn							
	Xn							

LIFE SAFETY KEY PLAN

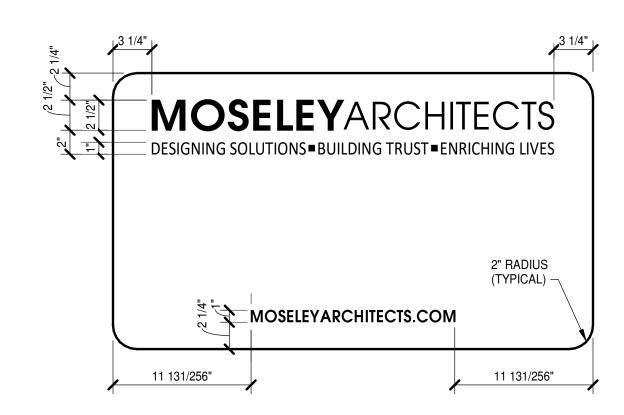
9

ARCHITECTURAL INFORMATION

GENERAL

GEORGETOWN COUNTY CORONER'S OFFICE "ARCHITECT'S SIGN" THIS DRAWING SIGN BACKGROUND SHALL BE PAINTED WHITE. TEXT SHALL BE PAINTED TO MATCH PANTONE 432 (GRAY).

TEXT LAYOUT ELEVATION

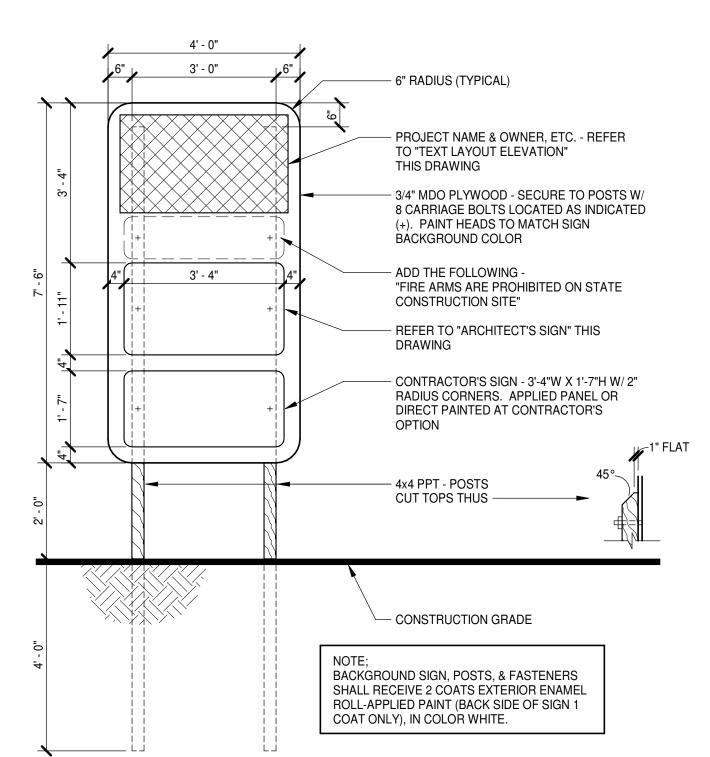


SIZE: 1'-11" VERTICAL x 3'-4" HORIZONTAL

CALIBRI, ALL OTHER TEXT IS AVANTGARDE FONT.

"MOSELEY" TEXT IN LOGO AND WEB ADDRESS IS PMS 485. BULLETS ARE PMS 485, ALL OTHER TEXT AND BORDER IS PMS 432. BACKGROUND IS WHITE. FONT FOR "DESIGNING SOLUTIONS BUILDING TRUST ENRICHING LIVES" TEXT IS

ARCHITECT'S SIGN



GSFT

GT

GWT

GYP

GLAZED STRUCTURAL FACING TILE

GLASS TILE

GYPSUM

GLAZED WALL TILE

STRUCT

SUSP

SYM

STRUCTURAL

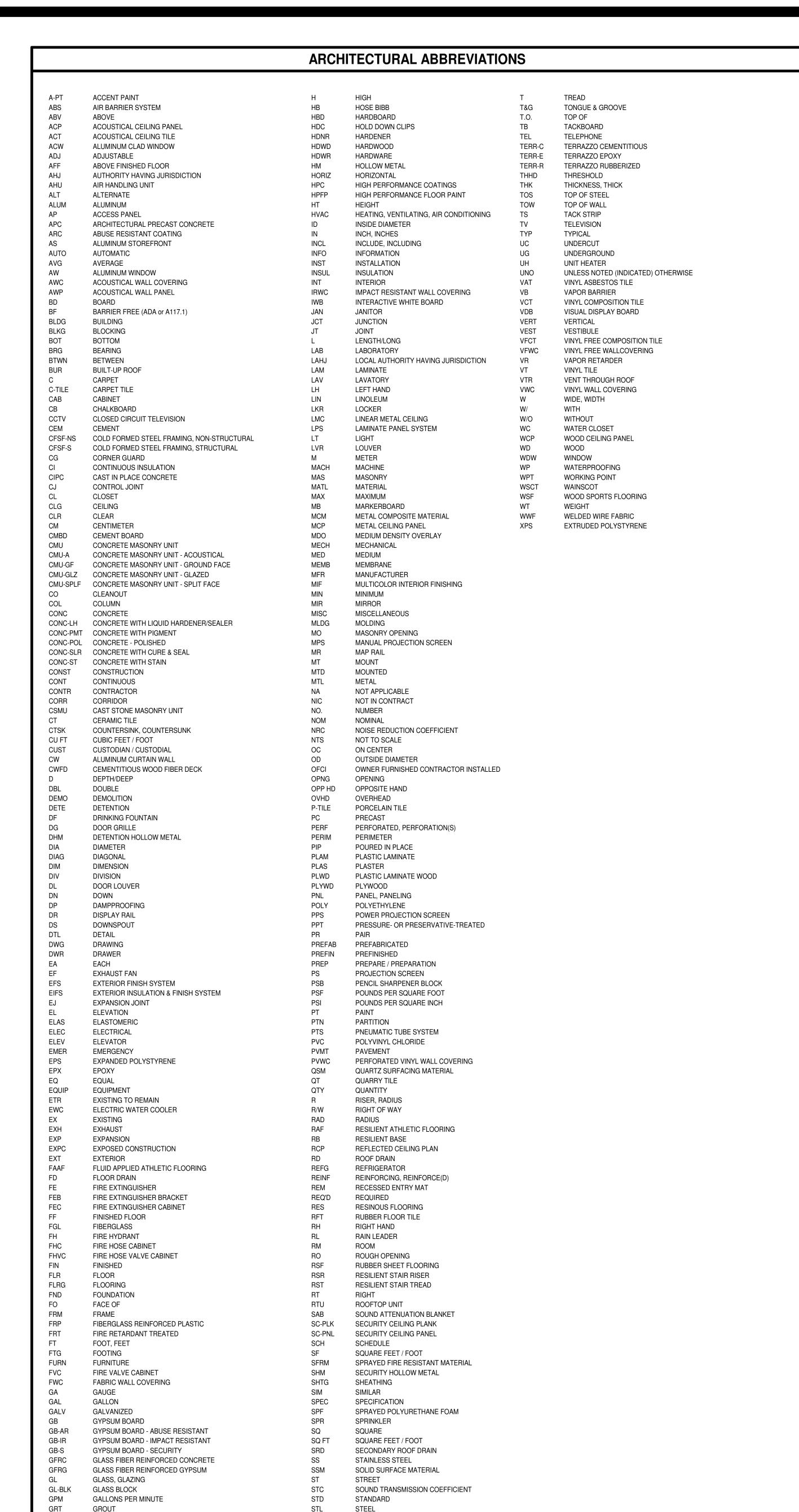
SUSPENDED

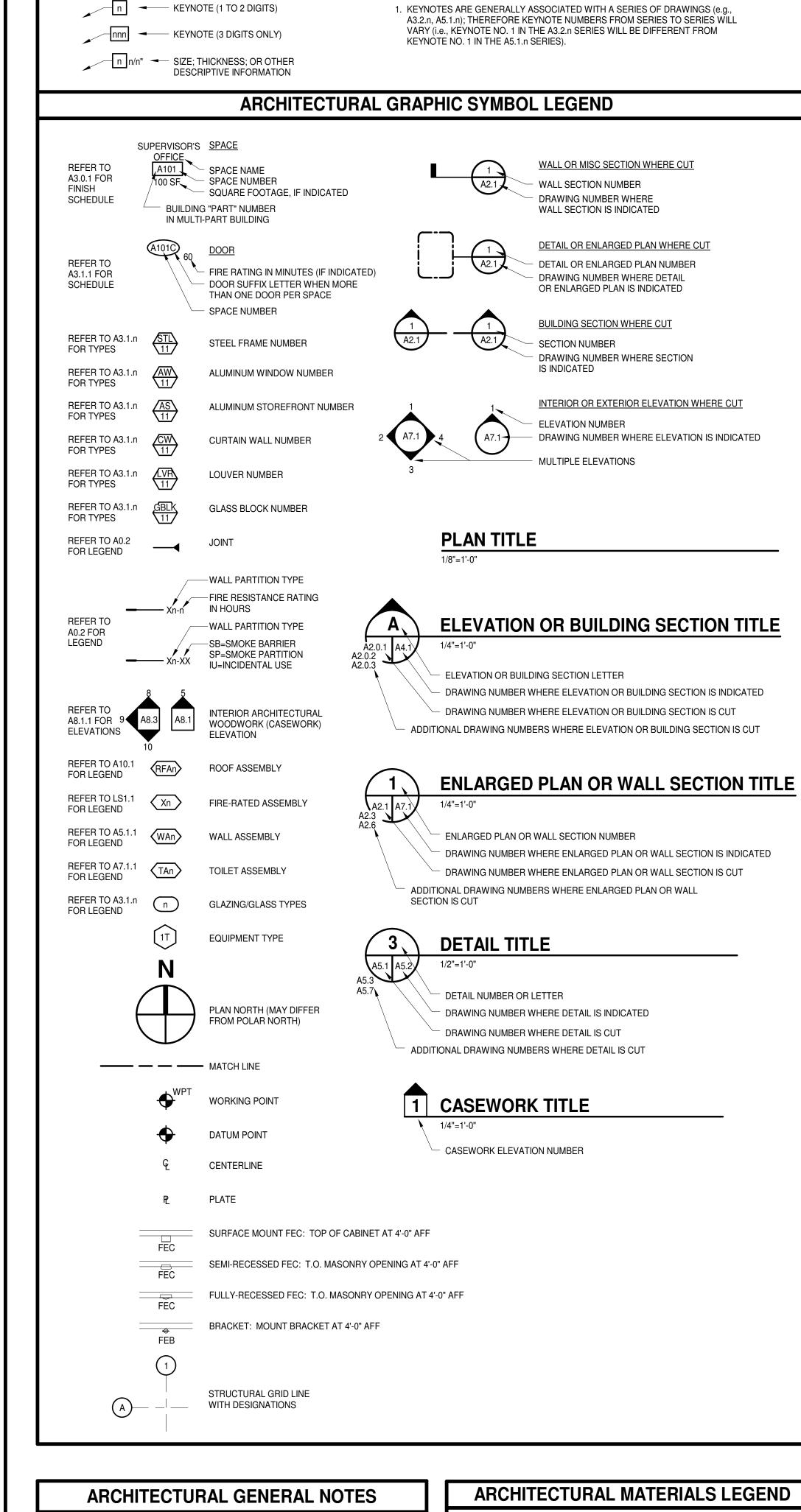
SHEET VINYL

SYMMETRICAL

SECURITY WOVEN MESH / WOVEN ROD

PROJECT SIGN ELEVATION





KEYNOTES

 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

- B. ELEMENTS THAT ARE IDENTIFIED BY OTHER DISCIPLINES (e.g., CIVIL, STRUCTURAL PLUMBING, FIRE PROTECTION, MECHANICAL, ELECTRICAL) ELSEWHERE WITHIN THI 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
- 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 M	ATERIALS LEGEND	ND
	EARTH	RIGID INSULATION	ATION
	POROUS FILL	BATT INSULATION	ATION
	CONCRETE	SPRAYED POLYURETHANE FOAM	ANE
	FACE BRICK	WOOD SHIM	
	SPLIT-FACE BLOCK	WOOD BLOCKING CONTINUOUS	
	CONCRETE MASONRY UNIT	FINISHED WOOD	OOD
	GROUTED SOLID CONCRETE MASONRY UNIT	PLYWOOD	
	NOTE: PROVIDE 100% SOLID, PLANT- CAST UNITS WHERE CORE HOLES WOULD BE VISIBLE WITHIN FINISH SPACE (E.G., WINDOW SILLS)	GYPSUM BOARD / SHEATHING	ARD /
	ARCHITECTURAL PRECAST CONCRETE	STONE	
	CAST STONE MASONRY		

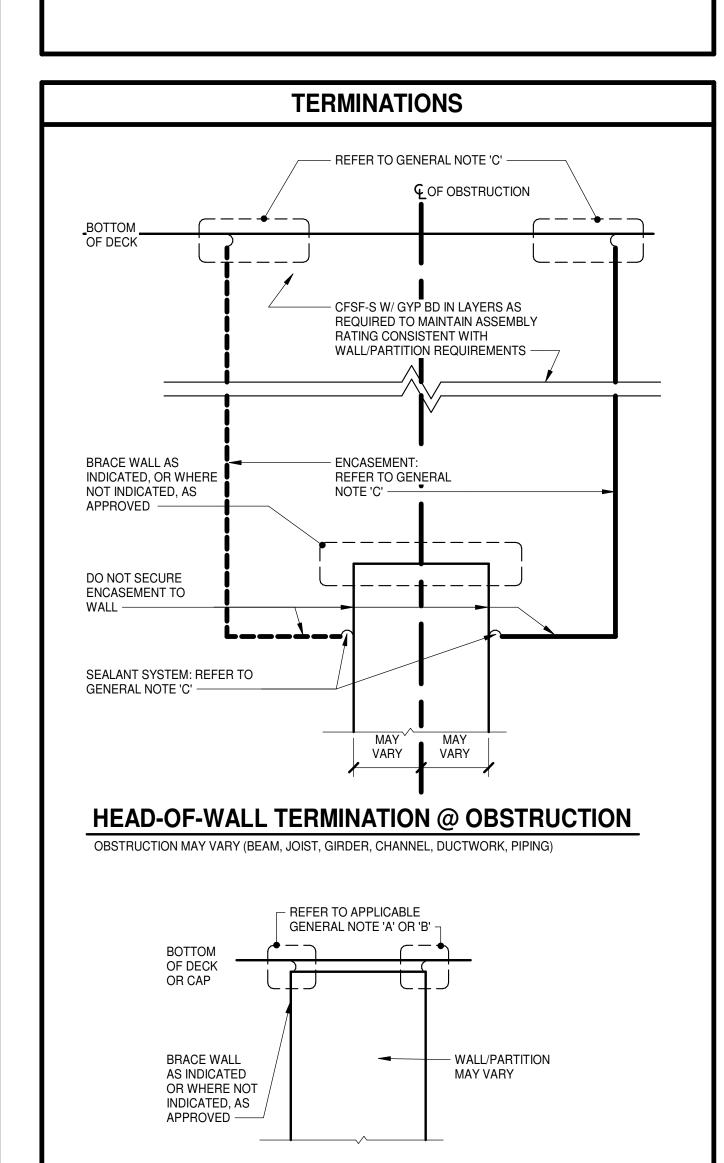
ORGE

REVISIONS DATE DESCRIPTION

> WALL/PARTITION **TYPES, WALL JOINTS AND TERMINATIONS**

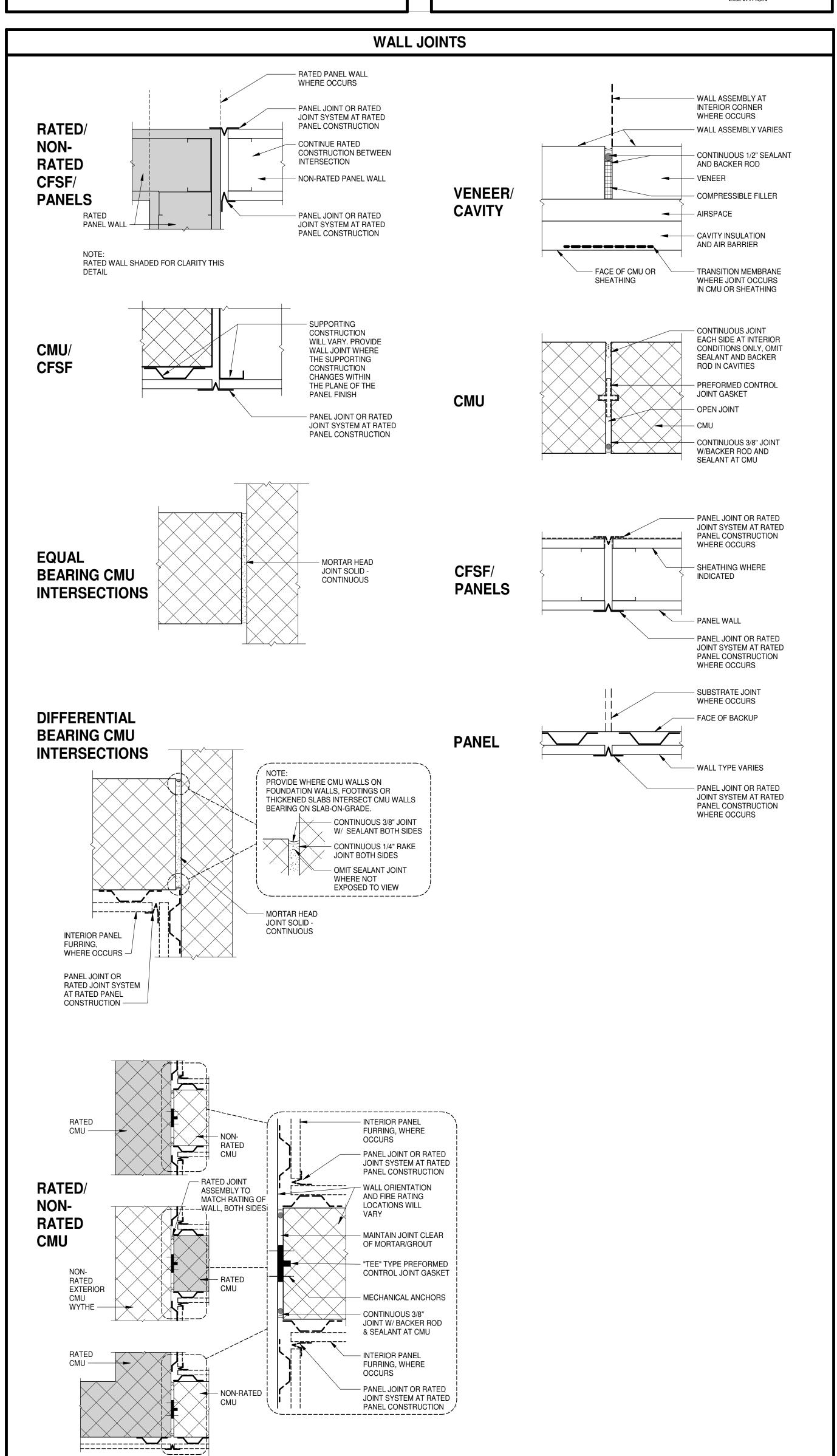
TERMINATION GENERAL NOTES

- 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.



HEAD-OF-WALL TERMINATION @ NON-OBSTRUCTION

WALL JOINT GENERAL NOTES EXTERIOR WALL JOINT GRAPHICS JOINT IN CMU BACK UP MAY BE A. LOCATE CONTROL JOINTS IN INTERIOR AND EXTERIOR WALLS AS INDICATED ON DRAWINGS. OFFSET FROM JOINT IN VENEER -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. AS SHOWN AS SHOWN AS SHOWN ON F. REFER TO SPECIFICATIONS FOR ADDITIONAL WALL JOINT REQUIREMENTS. EXTERIOR ON PLAN ON PLAN **ELEVATION**



RATED WALLS SHADED FOR CLARITY THIS DETAIL

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.

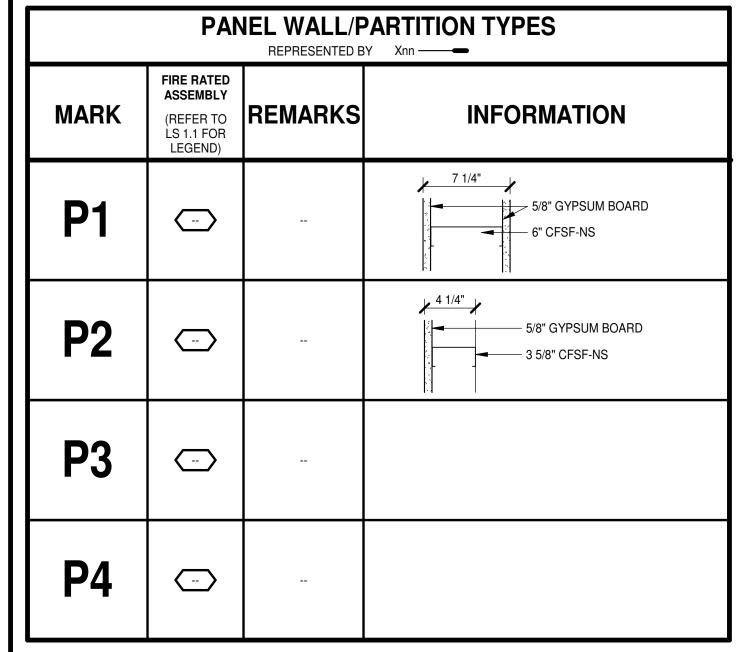
H. PARTITIONS THAT DO NOT EXTEND TO UNDERSIDE OF DECK OR CAP ABOVE:

WALL/PARTITION TYPE GENERAL NOTES

- 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.

K. COMPLY WITH TERMINATION, WALL JOINT, AND MISCELLANEOUS DETAILS FOR THOSE CONDITIONS WHERE

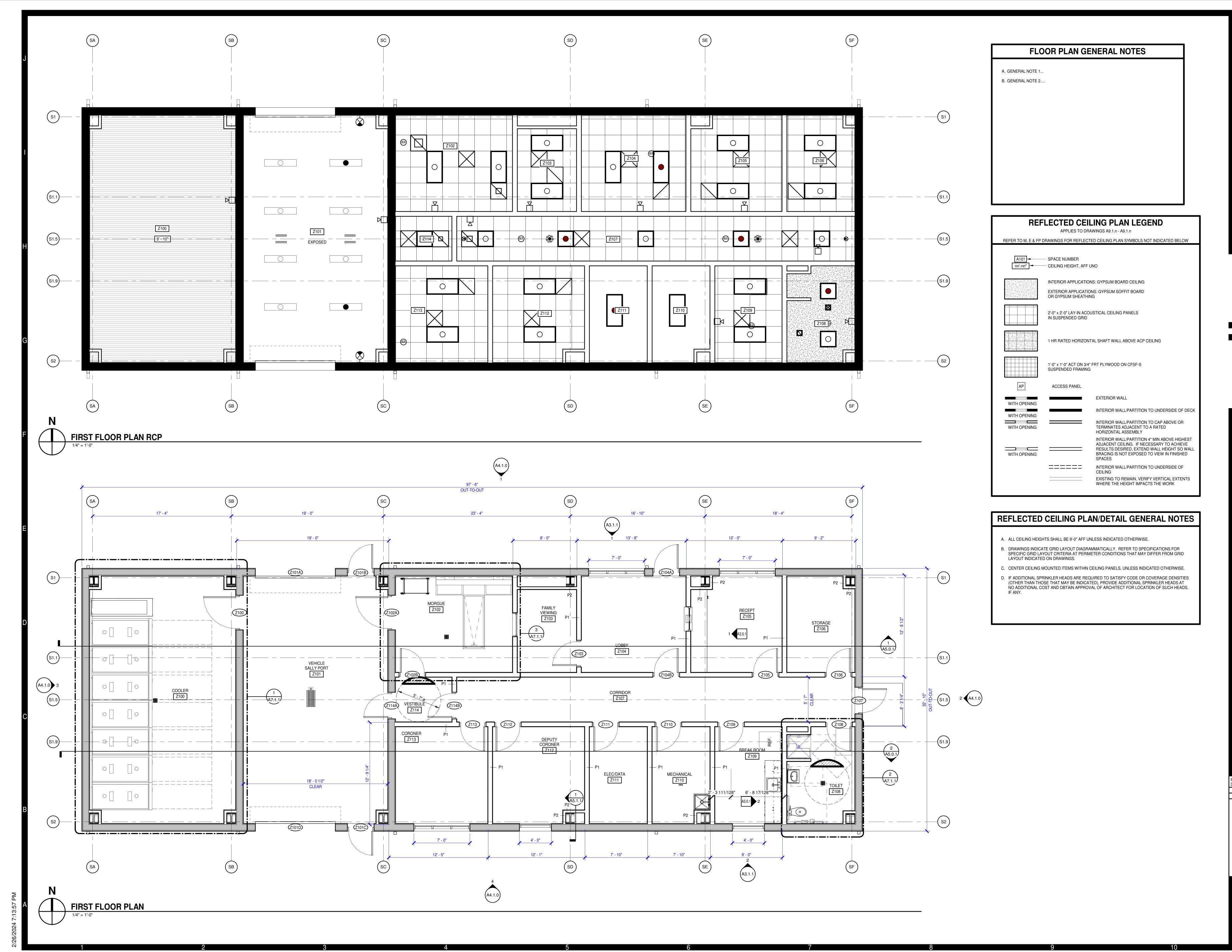
- J. SEAL AROUND ALL PENETRATIONS.
- APPLICABLE. COMPLY WITH REFERENCED STANDARDS WHERE DETAILS ARE NOT IDENTIFIED IN THE L. WALL/PARTITION TYPES DO NOT ADDRESS WALL FINISHES. REFER TO FINISH SCHEDULE.
- M. FINISHED SPACES: PROVIDE CHASES AROUND ALL EXPOSED VERTICAL COMPONENTS, INCLUDING BUT NOT LIMITED TO: DUCTWORK, PIPING, AND CONDUIT, UNLESS COMPONENTS ARE SPECIFICALLY INDICATED TO REMAIN EXPOSED.
- 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.



PROJECT NO: 611315
DATE: FEBRUARY 26, 2024
REVISIONS
DATE DESCRIPTION

FLOOR PLAN AND RCP

A2.1.1



FINISH SCHEDULE

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. CASEWORK FINISHES ARE NOT NOTED IN THE FINISH SCHEDULE. REFER TO CASEWORK ELEVATIONS AND SPECIFICATIONS FOR MATERIALS AND FINISHES.

FINISH SCHEDULE GENERAL NOTES

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

DETAILS, AND OTHER DOCUMENTS FOR EXTENT. F. PROVIDE CONTINUOUS SEALANT BETWEEN INTERIOR SLAB-ON-GRADE AND VERTICAL ELEMENT WHERE JOINT IS NOT CONCEALED BY FINISH BASE OR OTHER CONSTRUCTION.

E. BULKHEADS AND SOFFITS MAY NOT BE INDICATED IN FINISH SCHEDULES. REFER TO RCP

CASEWORK GENERAL NOTES

- A. UNLESS INDICATED OTHERWISE, ALL COUNTERTOP(S): • 2'-10" AFF OR 2'-10" TO TOP OF RIM AT DROP-IN SINKS AND LAVATORIES WHERE OCCURS 2'-1" DEEP
- SOLID SURFACE BACKSPLASHES: 4" HIGH AT ALL SIDES AND BACK
- B. UNLESS INDICATED OTHERWISE, ALL BASE CABINET(S): 2'-0" DEEP NOMINAL
- TOE KICKS: 4" HIGH AND 3" DEEP • SINK LOCATIONS: 3'-0" WIDE CLEAR KNEE SPACE (NO BASE CABINET) FOR BARRIER
- FREE ACCESS C. UNLESS INDICATED OTHERWISE, ALL WALL CABINET(S):
- 1'-0 1/2" DEEP NOMINAL 2'-6" HIGH
- TOP AT 7'-0" AFF MINIMUM 11" CLEAR INTERIOR DEPTH
- D. BUILT-IN EQUIPMENT: SIZE OPENING (HEIGHT, WIDTH, AND DEPTH) AND ROUGH-IN REQUIREMENTS AS REQUIRED BASED ON APPROVED MANUFACTURER SUBMITTED.
- E. ALL SHELVES: ADJUSTABLE UNLESS INDICATED OTHERWISE.
- F. PROVIDE FINISH END PANELS AT ALL EXPOSED CASEWORK ENDS.
- G. LOCKS: UNLESS INDICATED OTHERWISE.

CASEWORK KEYNOTES

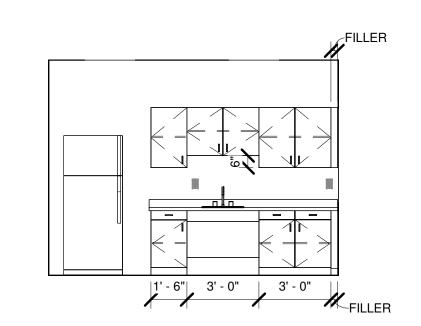
REPRESENTED BY n APPLIES TO DRAWINGS A8.1 - A8.nn

FINISH SCHEDULE FLOOR SOUTH NUMBER WAINSCOT CEILING RES-B RES-B VEHICLE SALLY PORT EXPC PT FAMILY VIEWING RES-B RES-B RES-B RECEPT RES-B STORAGE RES-B RES-B STORAGE RES-B RES-B CORRIDOR B RES-B CORRIDOR RES-B RES-B TOILET EXP PT GB-EPX PT RES-B RES-B RES-B BREAK ROOM EXPC PT CONC-SLR MECHANICAL ELEC/DATA CONC-SLR EXPC PT DEPUTY CORONER RES-B CORONER VESTIBULE RES-B RES-B

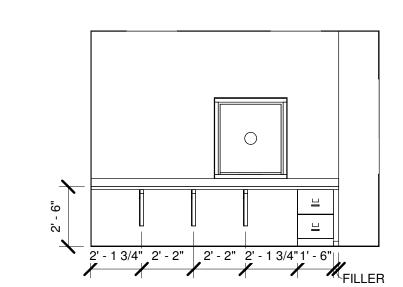
NOTE:

1. REFER TO SPECIFICATION FOR FLOOR PATTERNS.

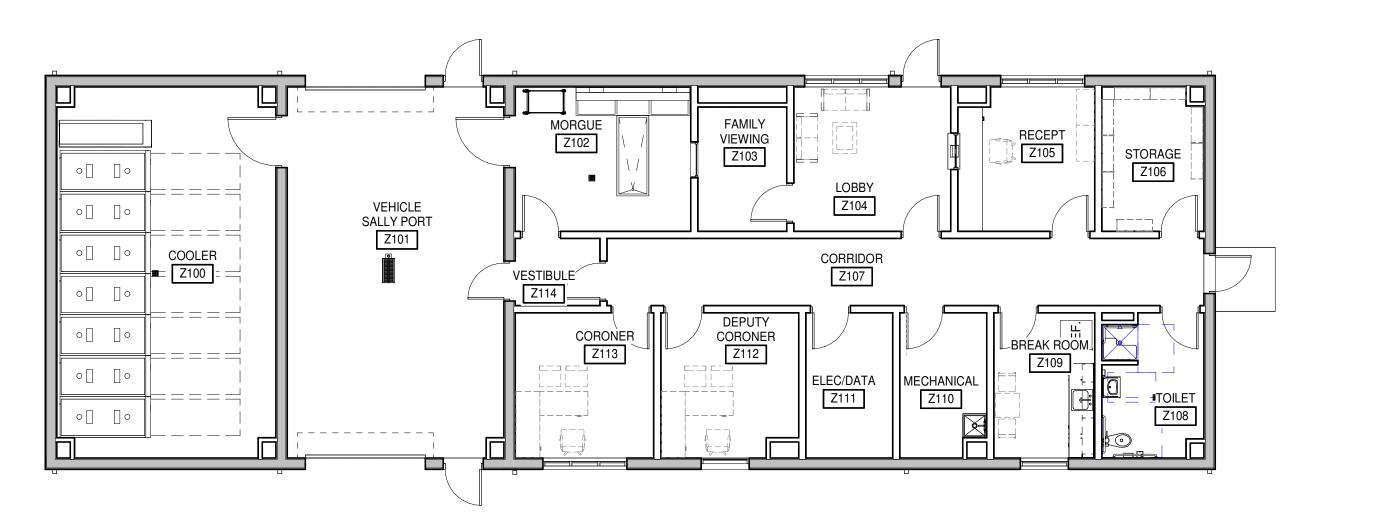
2. REFER TO SPECIFICATION FOR WALL PATTERNS.



2 BREAK ROOM Z109 - EAST 1/4" = 1'-0"



1 RECEPT Z105 - WEST
1/4" = 1'-0"



611315 GEORGETOWN COUNTY GEORGETOWN, SOUTH CAROLINA

PROJECT NO: 611315
DATE: FEBRUARY 26, 2024
REVISIONS
DATE DESCRIPTION

DOOR AND FRAME SCHEDULE

Working - Door Schedule DOOR SECTIONS HEAD TYPE SIZE (NOMINAL) MATL LOUVER UC GLAZING TYPE NUMBER JAMB JAMB SILL GLAZING HDWR RATING SIGNAGE COMMENTS NUMBER 4' - 0" x 7' - 0" x 1 3/4" STL 10' - 0" x 10' - 0" x 2" 3' - 0" x 7' - 0" x 1 3/4" 3' - 0" x 7' - 0" x 1 3/4" 10' - 0" x 10' - 0" x 2" 4' - 0" x 7' - 0" x 1 3/4" 3' - 0" x 7' - 0" x 1 3/4" STL 3' - 0" x 7' - 0" x 1 3/4" STL 3' - 0" x 7' - 0" x 1 3/4" STL 3' - 0" x 7' - 0" x 1 3/4" STL 3' - 0" x 7' - 0" x 1 3/4" | STL 3' - 0" x 7' - 0" x 1 3/4" STL 3' - 0" x 7' - 0" x 1 3/4" STL 3' - 0" x 7' - 0" x 1 3/4" | STL 3' - 0" x 7' - 0" x 1 3/4" STL 3' - 0" x 7' - 0" x 1 3/4" STL 3' - 0" x 7' - 0" x 1 3/4" STL 3' - 0" x 7' - 0" x 1 3/4" STL 3' - 0" x 7' - 0" x 1 3/4" STL 3' - 0" x 7' - 0" x 1 3/4" STL 3' - 0" x 7' - 0" x 1 3/4" NOTE: Note 1 2. Note 2

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.

NARROW LITE (FOR RATED CONSTRUCTION)

FULL LOUVER

NARROW LITE (FOR NON-RATED CONSTRUCTION)

FULL LOUVER

COILING GRILLE

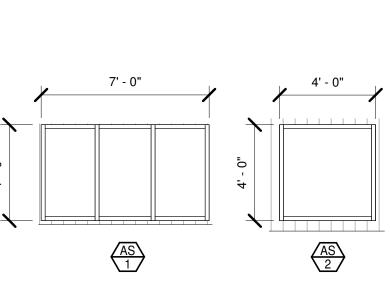
C. DOOR SWINGS ON FLOOR PLANS TAKE PRECEDENCE OVER SWINGS INDICATED ELSEWHERE (E.G., ELEVATIONS).

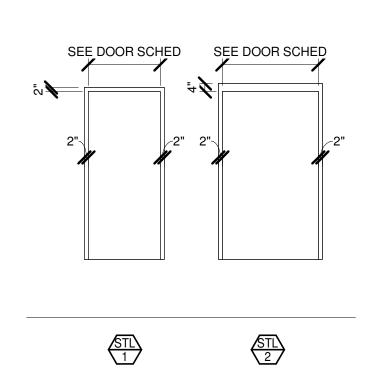
BOTTOM LOUVER

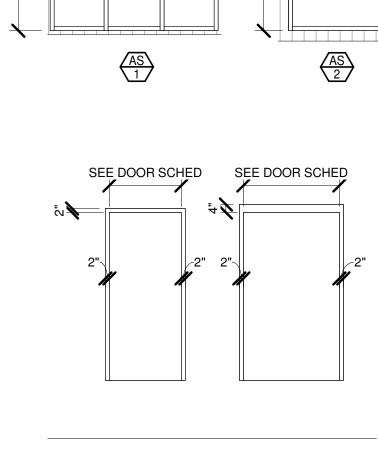
CD

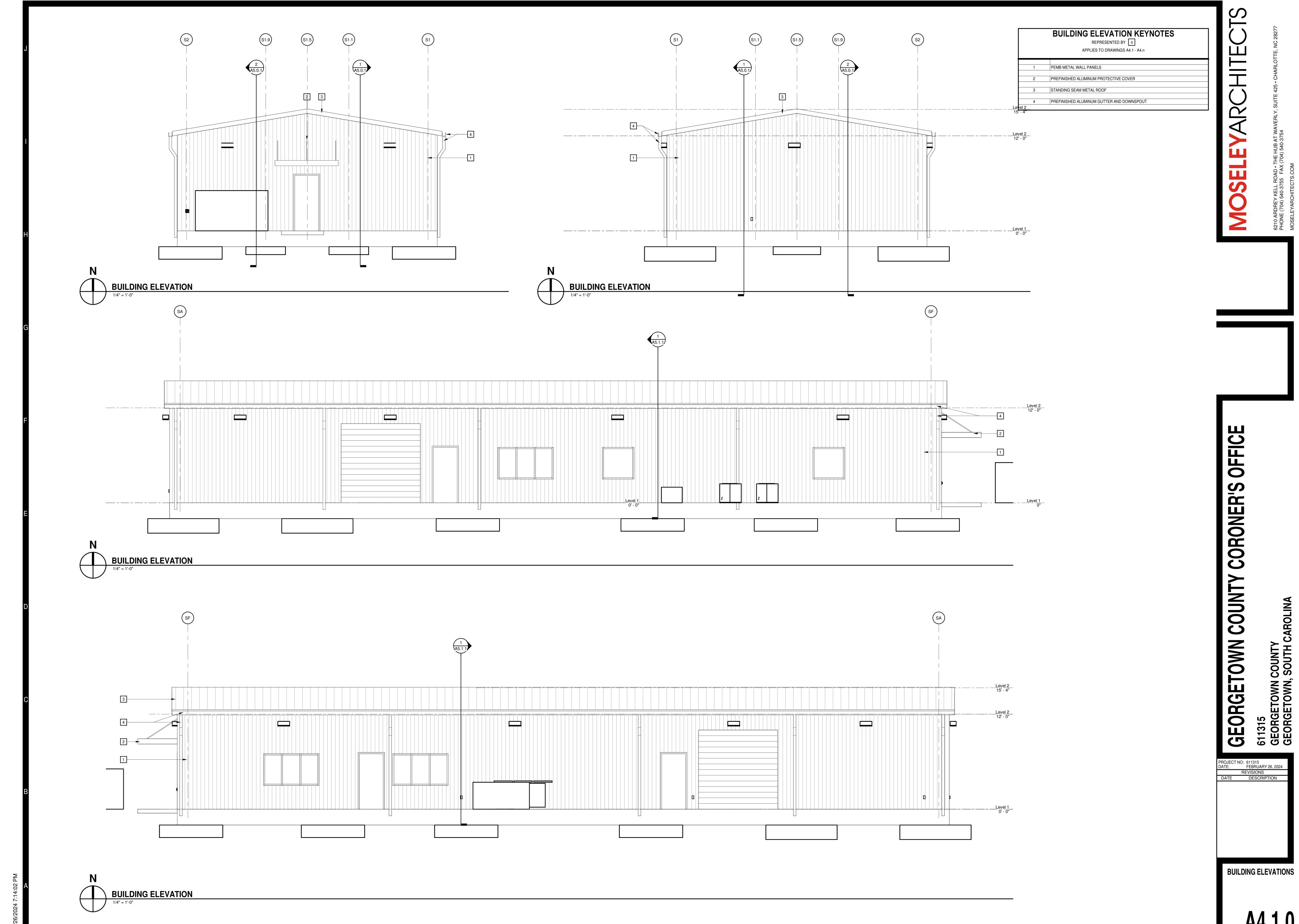
COILING DOOR

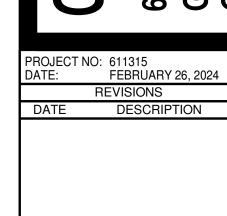
DOUBLE GLASS



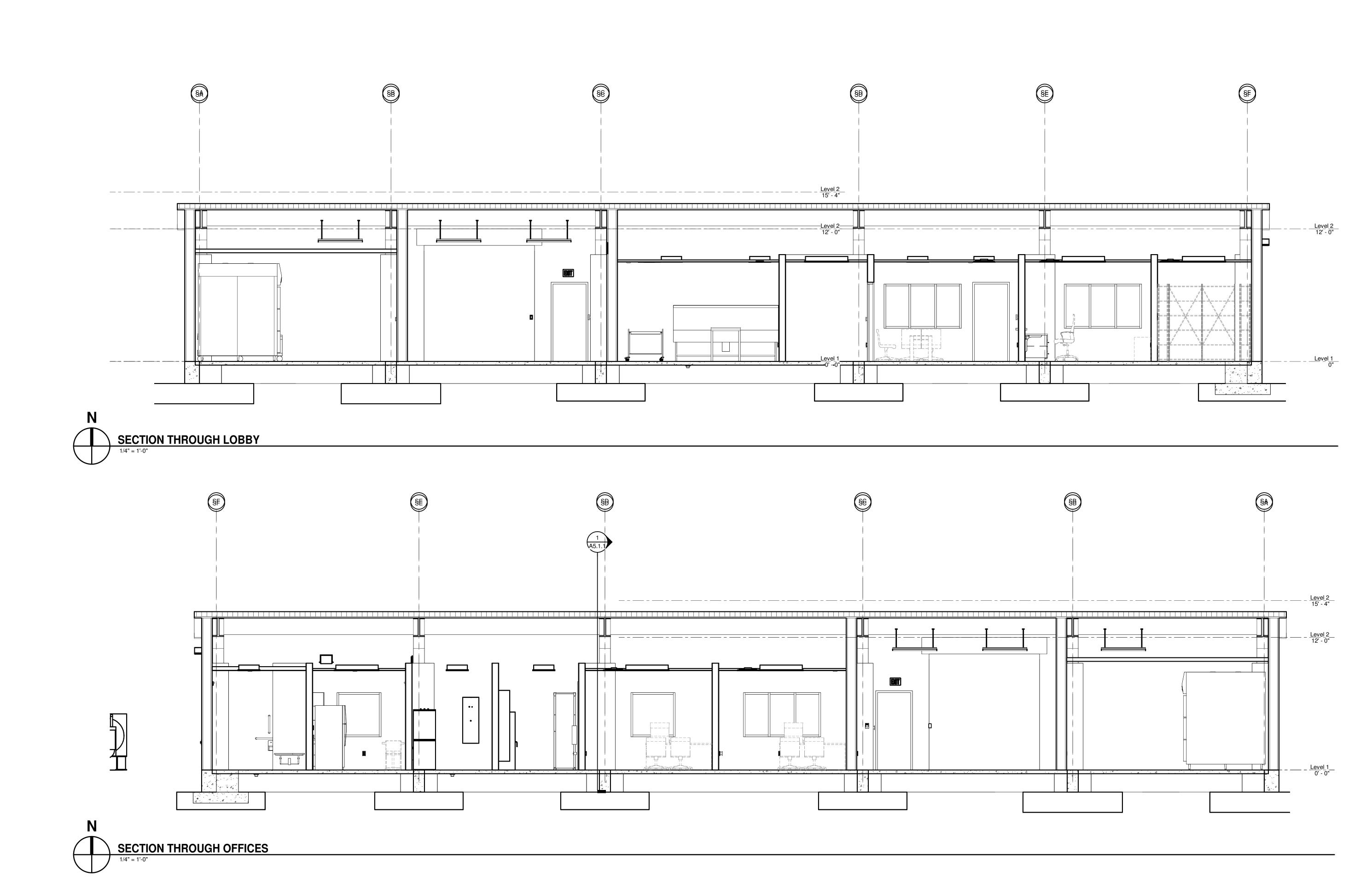






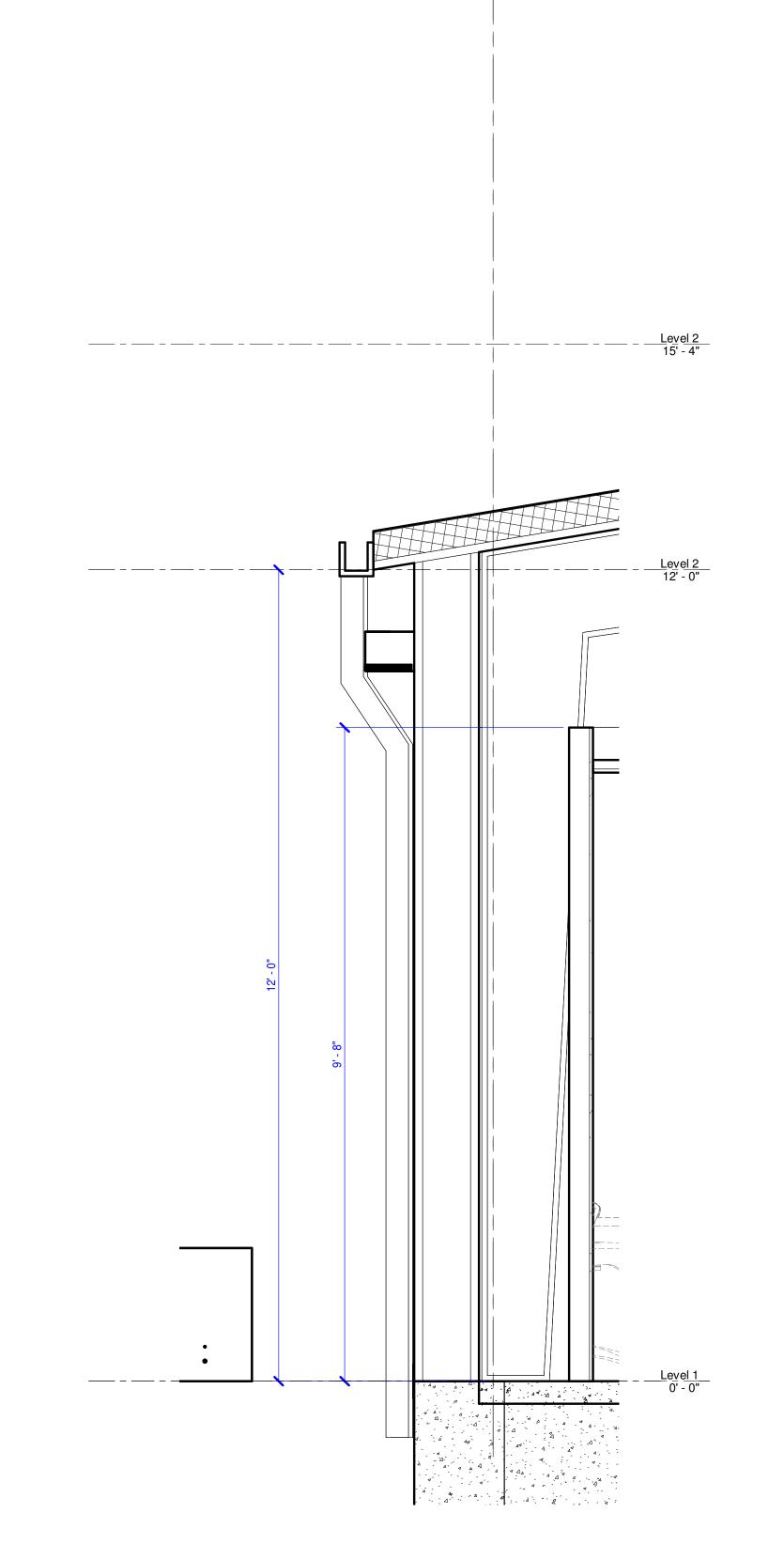


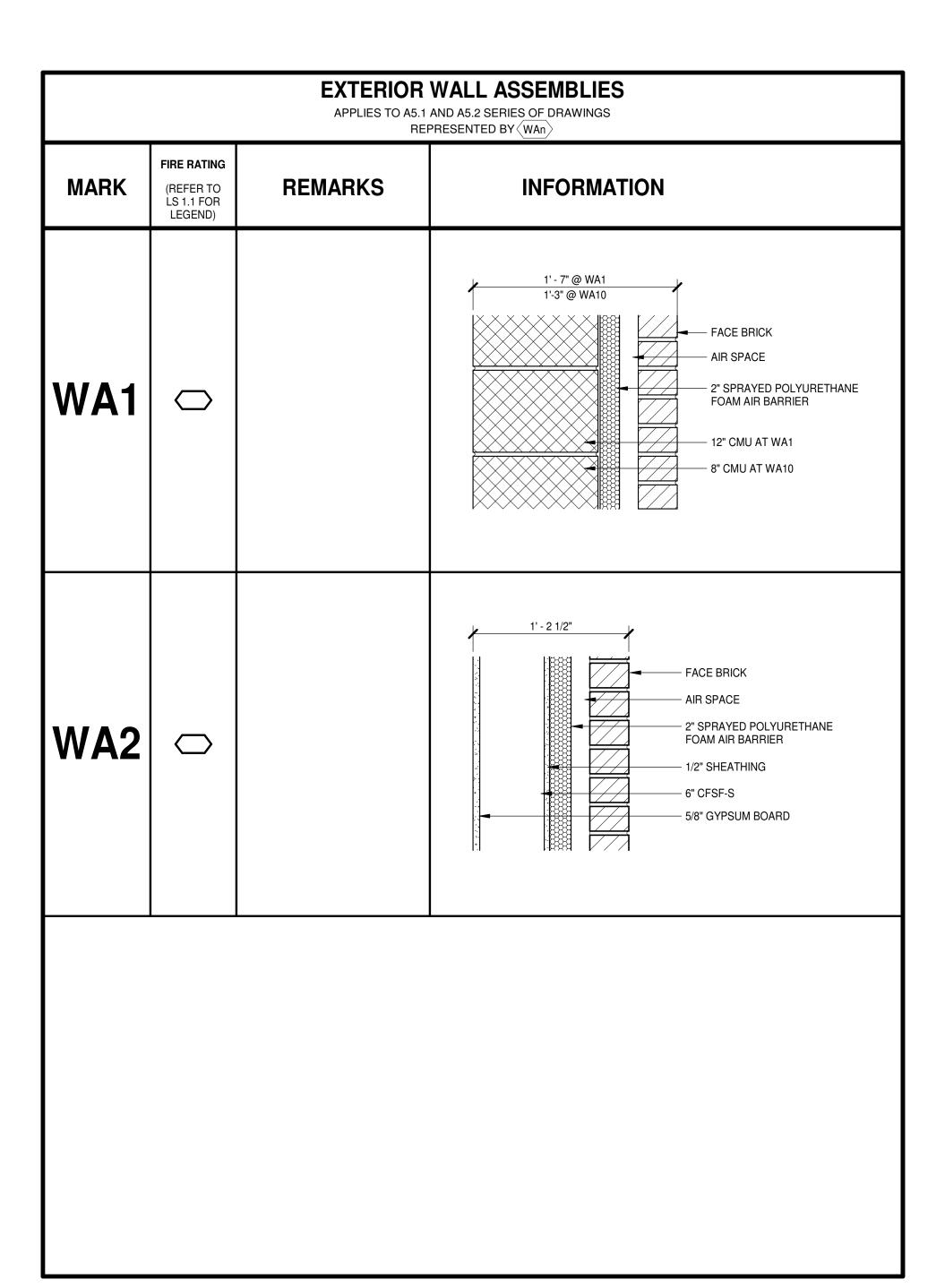
BUILDING SECTIONS



APPLIES TO DRAWINGS A5.1.1 - A5.1.n

GENERAL NOTES





GEORGETOWN COUNTY CORONER'S OFFICE GEORGETOWN COUNTY GEORGETOWN, SOUTH CAROLINA

PROJECT NO: 611315
DATE: FEBRUARY 26, 2024
REVISIONS
DATE DESCRIPTION

WALL SECTIONS

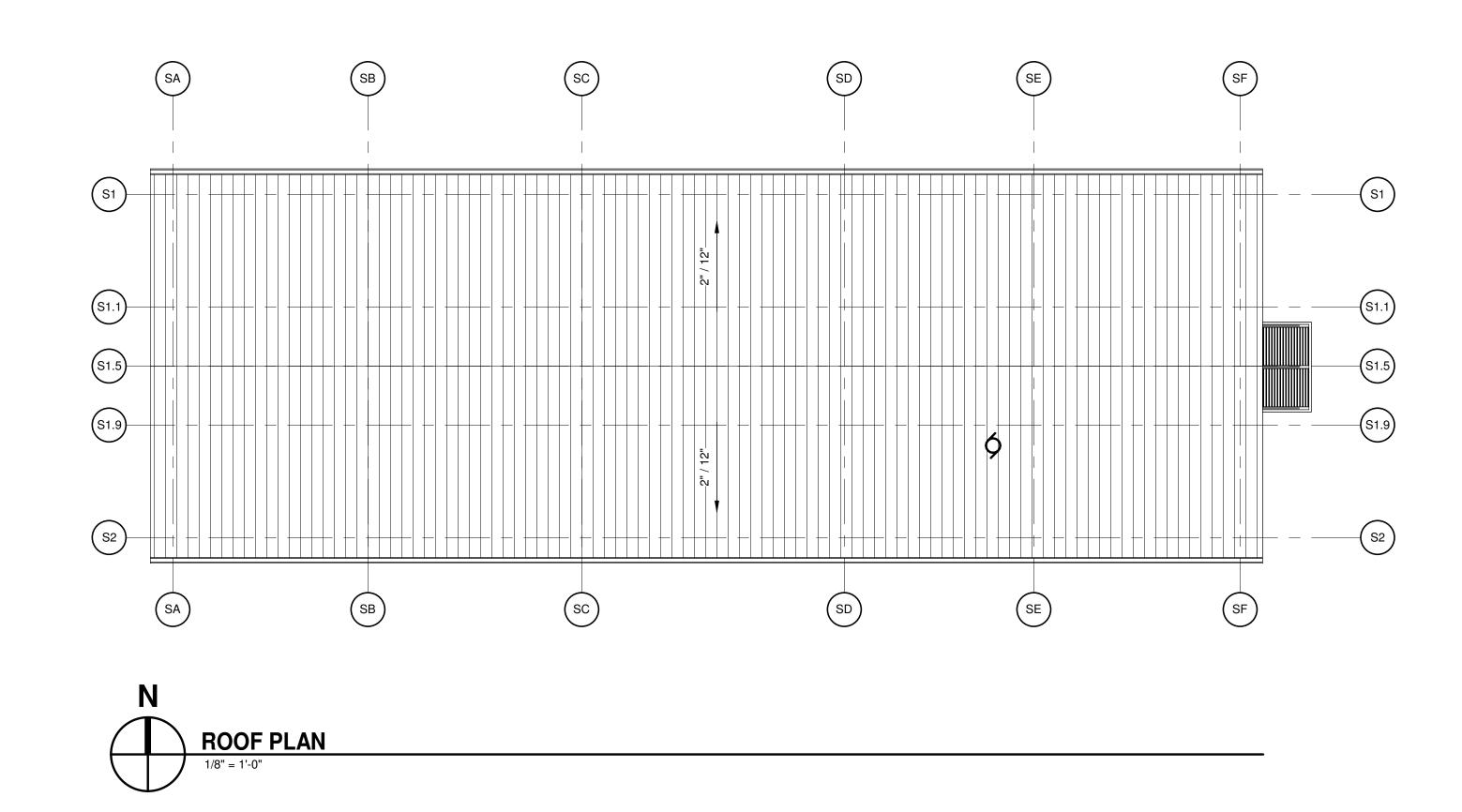
PLAN

TOILET ASSEMBLIES, ENLARGED PLANS, & **ROOF PLAN**

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.



○ □ E4 □ ○

19' - 2 1/2"

TA1		2"-10" CLEAR, UNO B = B = C - 1.0 -	TA10		URINAL SCREEN — CLEAR TOILET PARTITION, OR URINAL SCREEN
TA2	OMIT E	* 1'-3" MIN TOILET PARTITION TOILET PARTITION OR WALL WATER CLOSET	TA11	CENTER G	1' - 6" MIN URINAL
BARRIER FREE		5' - 0"		OVER LAVATORY	LAVATORY
TA3 BARRIER FREE		CLEAR 4" MAX B COPEAR	TA12		
TA4	OMIT E	TOILET PARTITION OR WALL	TA13	OMIT C H J	CONTROL 3'-0" WALL CLR INSIDE
BARRIER FREE		WATER CLOSET	BARRIER FREE		SHOWER - TRANSFER STYLE CONTROL WALL
TA5		CLEAR B C D W H E	TA14		5'-0" CLR INSIDE CLR INSIDE
BARRIER FREE		TOILET PARTITION			N C K N
TA6	OMIT E	TOILET PARTITION OR WALL	BARRIER FREE		SHOWER - ROLL-IN STYLE C P L M
TA7		WATER CLOSET B C D	TA15		CONTROL S'-0" WALL CLR INSIDE
BARRIER FREE		A A			BATHTUB
TA8	OMIT E	WATER CLOSET	LEGEND NOTES: A. HANDING/ORIEN ORIENTATION.	TATION MAY VARY. F	REFER TO PLANS FOR PROPER
TA9		2'-6" CLR URINAL SCREEN UNO WALL, TOILET PARTITION, OR URINAL SCREEN 1'-3" MIN URINAL	ONLY. ACTUAL F C. COAT/ROBE HOO DOORS ARE PAF	PLUMBING FIXTURES DKS INDICATED ON TI	HE BACK OF TOILET COMPARTMENT MPARTMENT ASSEMBLY AND ARE NOT

MARK

REMARKS

		-		
SPEC	CIALTY EQUIPMENT SCHEDULE			
Type Mark	Description		MARK	
	CADAVER LIFT		Α	36" F
	AUTOPSY CART		В	42" F
	ENBALMING SINK		С	18" V
	MORTUARY REFRIGERATOR		D	TOIL
	LAUNDRY TROLLEY		Е	SAN
·			F	SOA

	TOILET ACCESSORIES SCHEDULE					
MARK	DESCRIPTION	MOUNTING HEIGHT	REMARKS			
Α	36" HORIZONTAL GRAB BAR	REFER TO WATER CLOSET ELEVATIONS				
В	42" HORIZONTAL GRAB BAR	REFER TO WATER CLOSET ELEVATIONS				
С	18" VERTICAL GRAB BAR	REFER TO WATER CLOSET ELEVATIONS				
D	TOILET TISSUE DISPENSER	REFER TO WATER CLOSET ELEVATIONS				
Е	SANITARY NAPKIN DISPOSAL	REFER TO WATER CLOSET ELEVATIONS				
F	SOAP DISPENSER	3'-4" AFF TO DISPENSING OUTLET				
G	MIRROR (18" x 36"), OVER LAV AND CONTERTOP	3'-4" AFF TO BOTTOM OF REFLECTIVE SURFACE				
Н	GRAB BAR ASSEMBLY	REFER TO SHOWER ELEVATIONS				
J	L-SHAPED FOLDING SHOWER SEAT	1'-6" TO SEAT SURFACE				

TOILET ASSEMBLIES

APPLIES TO DRAWINGS A7.1 - A7.nn REPRESENTED BY TAn

MARK

PLAN

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

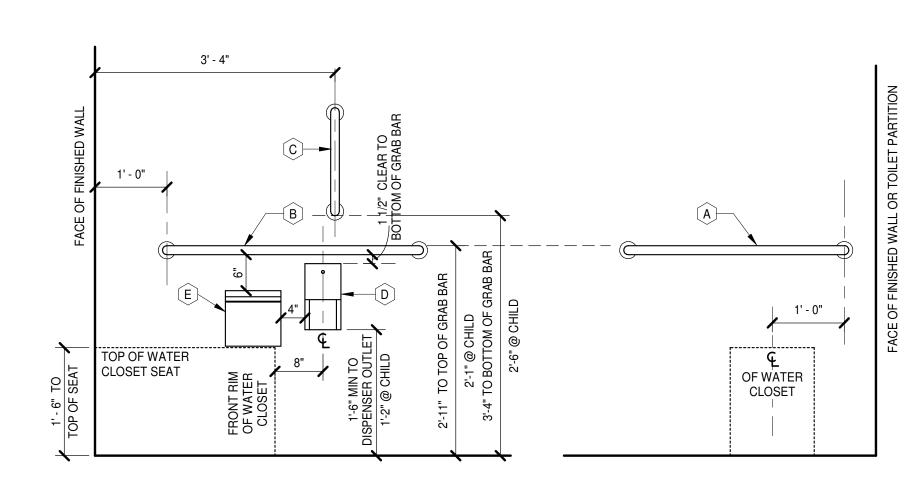
WATER CLOSET ELEVATIONS

- 3. REFER TO ALL CASEWORK ELEVATIONS FOR ADDITIONAL TOILET ACCESSORY LOCATIONS.
- 4. PROVIDE MOP AND BROOM HOLDER W/ SHELF (T) AT ALL CUSTODIAL/JANITORIAL SINKS. MOUNT AT 5'-0" AFF TO CENTERLINE AND LOCATE ON SIDE WALL OF SINK (NOT ON WALL ABOVE FAUCET).

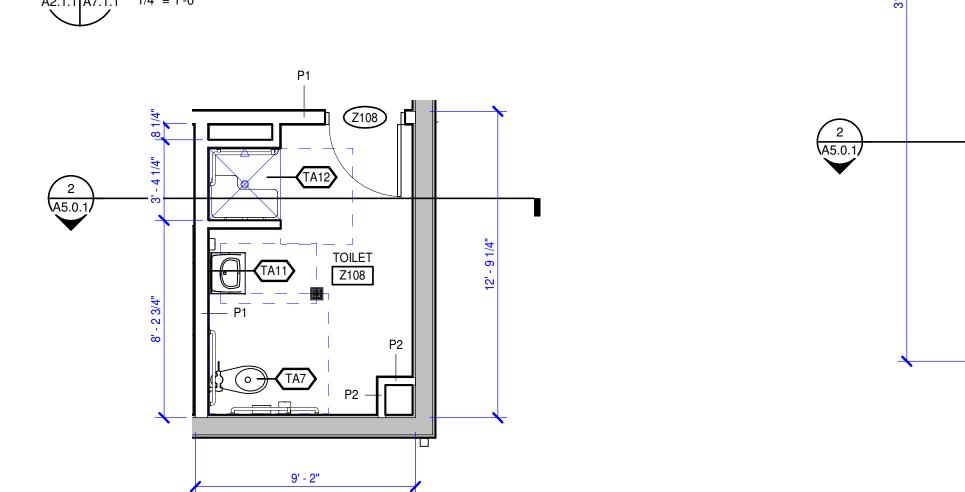
5. PROVIDE ROBE HOOK ON INTERIOR FACE OF ALL TOILET ROOM DOORS WHEREIN ONLY ONE WATER CLOSET IS PROVIDED. MOUNT AT 3'-11" AFF TO TOP.

3' - 4" TO BOTTOM OF GRAB BAR '- 11" TO TOP OF GRAB BAR 1' - 6" FACE OF FINISHED WALL	COORDINATE	FACE OF FINISHED CONTROL WALL	4'-0" MAX	S - 2 MIN CE OF FINISHED WALL	;
3' - 4" TO 2' - 11" TO 1' - 6" FACE OF	COORDINATE BLOCKING WITH MANUFACTURERS RECOMMENDATIONS	FACE OF	_	FACE OF	
					CONTROL END WALL

TRANSFER-TYPE SHOWER ELEVATIONS	



•	TRANSFER-TYPE SHOW	VER ELEVATIONS



2 ENLARGED PLAN
A2.1.1 A7.1.1 1/4" = 1'-0"

1	ENLARGED PLAN
A2.1.1 A7.1.1	1/4" = 1'-0"

○ | E4 | ○

ASTM A500, GRADE C (FY=50 KSI) ASTM A500 GRADE C (FY=46 KSI) ASTM F3125 GRADE A325 OR A490 (TYPE 1) ASTM F436 (FLAT AND BEVELED) ASTM A563 ASTM F3125 GRADE F1852 OR F2280 (TYPE 1) ASTM F959 (TYPE 325 OR 490) ASTM F1554, GRADE 55 INCLUDE SUPPLEMENT S1

E70 (LOW HYDROGEN) AWS D1.1 CLAUSE 9, TYPE B (FY=51 KSI) ASTM A36 AISI C-1035, ASTM A668, CLASS A AISI C-1035, ASTM A668, CLASS C

BITUMINOUS MASTIC. 5. STRUCTURAL STEEL EXPOSED TO WEATHER IN THE FINISHED WORK SHALL BE HOT DIPPED GALVANIZED IN

4. WHERE STRUCTURAL STEEL IS EXPOSED BELOW GRADE, PROVIDE MINIMUM 3" CONCRETE COVER OR COAT WITH

COLD FORMED STEEL FRAMING

- 2. CFSF-S (STRUCTURAL): INCLUDES ALL EXTERIOR WALLS, SOFFITS, BULKHEADS 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 SECTION 092216 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.
 - FY = 33.000 PSI 33 MILS AND 43 MILS

FY = 50,000 PSI54 MILS, 68 MILS AND 97 MILS

- 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.
- TITEN HD, BY SIMPSON STRONG-TIE ANCHORING SYSTEMS KWIK HUS-EZ, BY HILTI
- HOLE DIAMETER THROUGH STEEL MEMBER SHALL BE AS REQUIRED BY ANCHOR MANUFACTURER
- 4" EMBEDMENT FOR 1/2" DIAMETER ANCHOR 5" EMBEDMENT FOR 5/8" DIAMETER ANCHOR
- 6" EMBEDMENT FOR 3/4" DIAMETER ANCHOR
- AND ADHESIVE (TYPE PER NOTE A BELOW).
- TYPE PER NOTE A BELOW)
- A. "ADHESIVE ANCHORS" OR "ADHESIVE DOWELS" INSTALLED IN SOLID CONCRETE SHALL UTILIZE ONE OF
 - HIT-HY 200-V3, BY HILTI
- PURE 110+, BY DEWALT SET-XP, BY SIMPSON STRONG-TIE ANCHORING SYSTEMS
- (2) ALLOWABLE WITH HAMMER-DRILL, HOLLOW DRILL BIT SYSTEM, AND CORE DRILLING METHODS (3) 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.
- ACI/CRSI ADHESIVE ANCHOR INSTALLER CERTIFICATION IS REQUIRED FOR ALL INSTALLERS OF ADHESIVE
- CERTIFICATION PROGRAM (HAAICP) IS AN APPROVED EQUIVALENT. THE CONTRACTOR SHALL ARRANGE AN ANCHOR MANUFACTURER'S REPRESENTATIVE TO PROVIDE ONSITE
- SHALL RECEIVE DOCUMENTED CONFIRMATION THAT ALL PERSONNEL WHO INSTALL ANCHORS ARE TRAINED PRIOR TO THE COMMENCEMENT OF ANCHOR INSTALLATION.

COMPONENTS AND CLADDING ROOF WIND PRESSURE DIAGRAM NOTES 1. PRESSURE INDICATED ARE FOR ALLOWANCE STRESS DESIGN PER ASCE 7-16

2. EFFECTIVE WIND AREA SHALL BE DETERMINED IN ACCORDANCE WITH ASCE 7-16.

3. REDUCTION FACTORS FOR EFFECTIVE WIND AREAS ARE ALLOWED AS DEFINED BY TABLE 30.6.2 OF ASCE 30.6.2 OF ASCE 7-16.

4. ROOF ZONE 1, UNLESS OTHERWISE INDICATED. 5. ZONE 2 IS INDICATED BY:

6. ZONE 3 IS INDICATED BY:

7. INTERIOR REGIONS OF WALLS ARE ZONE 4 AND CORNER REGIONS OF WALLS ARE ZONE 5.

8. (+) INDICATES PRESSURES ACTING TOWARDS ROOF (INWARDS).

(-) INDICATES PRESSURES ACTING AWAY FROM ROOF (OUTWARDS). 9. ROOF DEAD LOAD SHALL BE TAKEN AS 10 PSF FOR UPLIFT RESISTANCE.

10. ROOF OVERHANGS SHALL BE DESIGNED FOR THE OVERHANGS PRESSURE FOR THE ZONE IN WHICH THEY ARE LOCATED. POSITIVE PRESSURE SHOWN IS FOR THE ROOF. SOFFITS SHALL BE DESIGNED FOR THE CORRESPONDING WALL POSITIVE

WIDE FLANGE SHAPES AND ANGLES HOLLOW STRUCTURAL SECTIONS (HSS) SQUARE & RECTANGLE HIGH STRENGTH BOLTS (CONVENTIONAL)

WASHERS HEAVY HEX NUTS TWIST OFF TENSION CONTROL BOLTS COMPRESSIBLE-WASHER DIRECT-TENSION INDICATORS ANCHOR RODS

WELDING ELECTRODES HEADED SHEAR STUDS THREADED ROD

CLEVISES

TURNBUCKLES 3. WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1 "STRUCTURAL WELDING CODE - STEEL".

ACCORDANCE WITH ASTM A123, UNLESS NOTED OTHERWISE.

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".

- 6. MINIMUM YIELD STRENGTH SHALL BE AS FOLLOWS:

POST INSTALLED ANCHORS & DOWELS

- 3. SCREW ANCHORS SHALL BE ONE OF THE FOLLOWING: SCREW-BOLT +. BY DEWALT
- MINIMUM SCREW ANCHOR EMBEDMENTS SHALL BE AS FOLLOWS, UNO:
- 4. <u>ADHESIVE ANCHORS</u> SHALL CONSIST OF THREADED ROD (ASTM A36), HEX NUT (ASTM A563), WASHER (ASTM F436),
- <u>ADHESIVE DOWELS</u> SHALL CONSIST OF DEFORMED REINFORCING BAR (ASTM A615, GRADE 60) AND ADHESIVE
- THE FOLLOWING ADHESIVE SYSTEMS, OR APPROVED EQUAL:
- HYBRID (FAST CURE)
- AC200+ BY DEWALT ACRYLIC-TIE XP, BY SIMPSON STRONG-TIE ANCHORING SYSTEMS
- EPOXY (SLOW CURE)
- HIT RE 500-V3 EPOXY ADHESIVE, BY HILTI
- BASIS OF DESIGN INCLUDES THE FOLLOWING DESIGN PARAMETERS: (1) CRACKED CONCRETE
- OVERHEAD ADHESIVE ANCHORS SHALL BE INSTALLED USING A PISTON PLUG SYSTEM.
- ANCHORS IN HORIZONTAL OR UPWARDLY INCLINED ORIENTATION. THE HILTI ADHESIVE ANCHOR INSTALLER
- INSTALLATION TRAINING FOR ALL ANCHOR PRODUCTS SPECIFIED. THE STRUCTURAL ENGINEER OF RECORD
- 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.

1. THE DESIGN SHALL BE THE RESPONSIBILITY OF THE PRE-ENGINEERED BUILDING MANUFACTURER AND IN THE STATE OF SOUTH CAROLINA.

METAL BUILDING SYSTEM

ACI 318 LAP LENGTHS

FIBER REINFORCING

REINFORCED CONCRETE.

3 LB PER CU YD IN ANY CASE.

FLOWABLE FILL

CEMENT

I / II

1/11

1/11

1/11

1/11

(ASTM C150) | (NOTE 10)

0.30

0.30

0.30

0.30

0.30

0.30

AGGREGATE

(NOTE 7 & 9)

1 1/2"

3/4"

3/4"

3/4"

3/4"

LENGTHS INDICATED IN INCHES.

NORMAL-WEIGHT (145 PCF)

SPLICES IN THE REINFORCING STEEL SHALL BE ONLY AT THE LOCATIONS SHOWN

ON THE STRUCTURAL DRAWINGS. 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.

#3 #4 #5 #6 #7 #8 #9

21 28 36 43 62 71 80

20 26 33 40 58 66 74

18 25 31 37 54 62 69

17 22 28 33 48 55 62

1. SYNTHETIC MACRO-FIBER MAY BE SUBSTITUTED FOR WELDED WIRE FABRIC IN SLAB-

DOSAGE RATES SHALL BE DETERMINED BY FIBER MANUFACTURER TO PROVIDE FRO

PERFORMED IN ACCORDANCE WITH ASTM C1609. DOSAGE SHALL NOT BE LESS THAN

EQUIVALENT FLEXURAL STRENGTH (FE.3) EQUAL TO THE PERFORMANCE OF THE

3. FIBER SHALL BE INCLUDED IN THE CONCRETE MIX DESIGNS SUBMITTED FOR REVIEW.

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

ON-GRADE, AND SHALL CONFORM TO ASTM C1116, TYPE III SYNTHETIC FIBER

REINFORCING STEEL INDICATED FOR EACH SLAB CASE. TESTING SHALL BE

2. FIBER SHALL BE ADDED AT THE CONCRETE BATCH PLANT.

STRENGTH OF 100 PSI MINIMUM TO 300 PSI MAXIMUM.

GENERAL

CONCENTRATED

2000 LB

300 LB

UNIFORM

100 PSF

125 PSF

150 PSF

20 PSF

3.9 PSF

5.5 PSF

3.9 PSF

155 MPH

0.158

120 MPH

±0.18 (ENCLOSED)

REFER TO DRAWING S0.0.2 (PER IBC & ASCE7)

C. MOMENT-RESISTING FRAME SYSTEMS

4. STEEL ORDINARY MOMENT FRAMES

EQUIVALENT LATERAL FORCE PROCEDURE

EFFECTIVE JANUARY 1, 2023.

FOUNDATIONS

ENCLOSED.

CONCRETE

(F'c). AS FOLLOWS:

BUILDING

ELEMENT

SLABS ON GRADE

INTERIOR COLUMNS,

WALLS AND PIERS

EXTERIOR

SLABS ON GRADE

EXTERIOR COLUMNS.

WALLS AND PIERS

TIE BEAMS

A. EXPOSURE CATEGORIES:

(W) WATER/PERMEABILITY

(C) CORROSION PROTECTION

CEMENTITIOUS MATERIALS AS FOLLOWS:

TOTAL FLY ASH, OTHER PÓZZOLANS AND SILICA FUME

9. COMBINED AGGREGATE GRADING SHALL BE AS FOLLOWS:

SHALL IDENTIFY THE INTENDED LOCATION OF USE.

DEFORMED BAR ANCHORS (DBA)
 ASTM A1064, DEFORMED

13. MINIMUM CONCRETE COVER OVER REINFORCING SHALL BE UNO:

A. UNFORMED SURFACE CAST AGAINST EARTH B. FORMED SURFACE EXPOSED TO EARTH/WEATHER

C. FORMED SLABS AND WALLS NOT EXPOSED TO EARTH/WEATHER FOR #11 AND SMALLER BAR

D. ALL OTHER FORMED ELEMENTS NOT EXPOSED

WELDING PER AWS D1.4 STRUCTURAL WELDING CODE - REINFORCING STEEL

12. REINFORCING STEEL SHALL BE AS FOLLOWS:

WELDABLE REINFORCING BARS:

TO EARTH/WEATHER

TOTAL FLY ASH, OTHER POZZOLANS, SILICA FUME AND SLAG 50

(F) FREEZE/THAW

(S) SULFATE

CONFORM TO ASTM C1602.

CEMENTITIOUS MATERIAL

SLAG CEMENT (ASTM C989)

SILICA FUME (ASTM C1240)

CONTENT OF NOT MORE THAN 3%.

ABOVE THE #100 SIEVE.

ABOVE THE #100 SIEVE.

REINFORCING BARS:

WELDED WIRE FABRIC:

FLY ASH (ASTM C618)

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE SOUTH CAROLINA BUILDING CODE (SCBC, 2021 EDITION),

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

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

REFER TO THE STATEMENT OF SPECIAL INSPECTIONS PREPARED FOR THIS PROJECT AND THE PROJECT

SHALL SUBMIT INSPECTION REPORTS IN COMPLIANCE WITH IBC SECTION 1704.2.4. USE OF "GENERAL

6. CONTRACTOR SHALL CONDUCT PRE-INSTALL MEETINGS ON PROJECT SITE PRIOR TO COMMENCEMENT OF

WORK, REFER TO PROJECT SPECIFICATIONS FOR SPECIFIC REQUIREMENTS, GENERAL CONTRACTOR WILL

CONDUCT THE MEETING AND SHALL BE RESPONSIBLE FOR THE ATTENDANCE OF ALL REQUIRED TRADES

FOUNDATIONS ARE DESIGNED TO BEAR ON CONTROLLED COMPACTED FILL WITH AN ALLOWABLE BEARING

CAPACITY OF 2,000 PSF. FOUNDATION DESIGN CRITERIA IS IN ACCORDANCE WITH THE GEOTECHNICAL

2. THE GEOTECHNICAL ENGINEER FOR THE OWNERS TESTING AGENCY SHALL VERIFY BEARING CAPACITY

3. SELECT AND PLACE CONTROLLED COMPACTED FILL UNDER DIRECT SUPERVISION OF THE GEOTECHNICAL

UNDERGROUND PIPE (AND CONDUIT). IF UNDERGROUND PIPE (AND CONDUIT) MUST CROSS FOOTING, TOP

REQUIREMENTS FOR STRUCTURAL CONCRETE" AND ACI 301 "STANDARD SPECIFICATIONS FOR STRUCTURAL

f'c (psi)

28 DAY

→ STRENGTH |

3,500

C0 3,500

F1 | S0 | W1 | C1 | 4,000 | 0.50

3. THE DURABILITY EXPOSURE CLASS IDENTIFIED BY THE ENGINEER OF RECORD, IN ACCORDANCE WITH ACI

OF THE ANTICIPATED EXPOSURE. IF THE CONCRETE IS TO BE INSTALLED IN A LOCATION OR CONDITION

4. MAX W/C REFERS TO MAXIMUM WATER TO CEMENTITIOUS MATERIALS RATIO. MIXING WATER SHALL

5. TARGET AIR ENTRAINMENT, ±1.5%. ALL EXTERIOR CONCRETE SHALL BE AIR-ENTRAINED. AIR ENTRAINMENT

6. DRY UNIT WEIGHT ±5 PCF. AGGREGATES TO CONFORM TO ASTM C33 FOR NORMAL WEIGHT CONCRETE

7. CONCRETE BUILDING ELEMENTS IDENTIFIED WITH EXPOSURE CATEGORY F3 REQUIRE LIMITATIONS ON

8. SLABS RECEIVING A HARD TROWEL FINISH SHALL NOT BE AIR-ENTRAINED AND SHALL HAVE A TOTAL AIR

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

• FOR COARSE AGGREGATE WITH 3/4" OR 1" NOMINAL MAXIMUM AGGREGATE SIZE, 8% TO 22% (BY WEIGHT)

ACI 301 OR BY AN ALTERNATIVE METHOD ACCEPTABLE TO THE ENGINEER OF RECORD. EACH MIX DESIGN

ASTM A615, GRADE 60, DEFORMED

3/4 IN

1 1/2 IN

ASTM A706 LOW ALLOW STEEL REINFORCING BARS, DEFORMED

ASTM A1064. SHEET TYPE ONLY

11. CONCRETE MIXTURE PROPORTIONS SHALL BE ESTABLISHED IN ACCORDANCE WITH ARTICLE 4.2.3 OF

10. MAX WATER SOLUBLE CHLORIDE ION CONTENT PERCENTAGE, BY WEIGHT OF CEMENT.

OF AGGREGATE SHALL BE RETAINED ON EACH SIEVE BELOW THE MAXIMUM AGGREGATE SIZE SIEVE AND

318. FOR EACH MIX DESIGN/BUILDING ELEMENT AND EXPOSURE CLASS, IS BASED ON ASSUMED SEVERITY

THAT IS MORE SEVERE THAN THE EXPOSURE IDENTIFIED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER

CONCRETE MATERIAL SCHEDULE (NOTE 11)

MAX W/C

(NOTE 4)

0.55

0.50

0.50

0.55

0.50

MAX % OF TOTAL CEMENTITIOUS

MATERIALS BY MASS

ENTRAINMENT | UNIT VVLIGHT

145

145

(NOTE 5)

4.5

N/A

5.0

6.0

N/A

2. CONCRETE SHALL BE NORMAL WEIGHT AND SHALL OBTAIN ULTIMATE 28 DAY COMPRESSIVE STRENGTHS

5. AVOID INFLUENCE OF PIPE TRENCH ADJACENT TO COLUMN FOOTING. REFER TO "FOOTING EXCAVATION

REFER TO SPECIFICATION SECTION 014000 FOR GENERAL INSPECTION REQUIREMENTS. SPECIAL INSPECTOR

2. THE STRUCTURAL DRAWINGS ARE INTENDED TO BE USED IN CONJUNCTION WITH THE ARCHITECTURAL

DRAWINGS AND THE DRAWINGS OF THE OTHER ENGINEERING DISCIPLINES.

5. SPECIAL INSPECTIONS ARE REQUIRED BY THE SCBC. SECTION 1704.

CONFORMANCE" OR "GENERAL ACCORDANCE" IS UNACCEPTABLE.

AND SUBCONTRACTORS INCLUDING THE SPECIAL INSPECTOR.

ENGINEER FOR THE OWNERS TESTING AGENCY.

ENGINEERING REPORT PREPARED BY S&ME, INC. DATED JANUARY 31, 2024.

AND SUITABILITY OF SUBGRADE PRIOR TO PLACING FOUNDATIONS AND GRADE SLABS.

4. COORDINATE TOP OF FOOTING ELEVATIONS WITH ACTUAL LOCATION, SIZE AND INVERT OF ALL

6. PROTECT FOOTINGS AND GRADE SLABS FROM FROST HEAVE UNTIL BUILDING IS PERMANENTLY

1. ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 318 "BUILDING CODE

DURABILITY REQUIREMENTS

CATEGORIES AND CLASSES

(NOTE 3)

(F) | (S) | (W) | (C)

S0 | W0

OR ADJUST THE CONCRETE MIX REQUIREMENTS AS REQUIRED PER ACI 318.

IS OPTIONAL FOR FOOTINGS AND GRADE BEAMS NOT EXPOSED TO FREEZING.

F1 S0 W0 C1 4,000

F1 S0 W0 C1 4,000

SPREAD FOOTINGS | F0 | S0 | W0 | C1 | 3,500

OF FOOTING ELEVATION SHALL ALLOW UNDERSLAB PIPING TO PASS ABOVE THE FOOTING.

SPECIFICATIONS FOR SPECIFIC INSPECTION REQUIREMENTS.

DESIGN LOAD DATA

RISK CATEGORY (SCBC TABLE 1604.5)

LOBBIES AND FIRST FLOOR CORRIDORS

CONCENTRATED LOAD APPLIED OVER 2'-6" x 2'-6" AREA.

CONCENTRATED LOAD APPLIED OVER 2'-6" x 2'-6" AREA

FLAT ROOF SNOW LOAD (Pf = 0.7 x Ce x Ct x ls x Pg)

ULTIMATE DESIGN WIND SPEED (3 SECOND GUST)

NOMINAL DESIGN WIND SPEED (3 SECOND GUST)

COMPONENTS AND CLADDING WIND PRESSURE

MAPPED SPECTRAL RESPONSE ACCELERATIONS

DESIGN SPECTRAL RESPONSE ACCELERATIONS

LEGEND FOR SECTION AND DETAIL MARKS

- SECTION OR DETAIL NUMBER

SECTION WHERE CUT

DRAWING NUMBER WHERE

- DRAWING NUMBER WHERE DETAIL

STRUCTURAL MATERIALS LEGEND

CAST IN PLACE CONCRETE

HOLLOW CONCRETE BLOCK

GROUT FILLED CONCRETE BLOCK

PRECAST CONCRETE, CAST STONE

POROUS FILL OR GRANULAR BASE COURSE

EARTH

CLAY BRICK

SPLIT-FACE CONCRETE BLOCK

- SECTION NUMBER

SECTION IS DRAWN

DETAIL WHERE CUT

- DETAIL LETTER

SECTION AND DETAIL (WHERE DRAWN)

- DRAWING NUMBER WHERE SECTION OR DETAIL IS DRAWN

- ADDITIONAL DRAWING NUMBERS WHERE SECTION OR DETAIL IS CUT

- DRAWING NUMBER WHERE SECTION OR DETAIL IS CUT

BASIC SEISMIC FORCE RESISTING SYSTEM

RESPONSE MODIFICATION COEFFICIENT (R)

SYSTEM OVERSTRENGTH FACTOR

DESIGN BASE SHEAR ($V = Cs \times W$)

ANALYSIS PROCEDURE

322

DEFLECTION AMPLIFICATION FACTOR

SEISMIC RESPONSE COEFFICIENT (Cs)

MINIMUM Pf FOR Pg = 20 PSF OR LESS

SLOPED ROOF SNOW LOAD (Ps = $Cs \times Pf$)

INTERNAL PRESSURE COEFFICIENT (GCpi)

SEISMIC DESIGN CATEGORY

SEISMIC IMPORTANCE FACTOR (le)

REDUCTION OF MINIMUM ROOF LIVE LOAD HAS NOT BEEN UTILIZED.

REDUCTION OF FLOOR LIVE LOAD HAS NOT BEEN UTILIZED.

MECHANICAL / ELECTRICAL ROOMS

MINIMUM ROOF LIVE LOAD

GROUND SNOW LOAD (Pg)

IMPORTANCE FACTOR (Is)

EXPOSURE FACTOR (Ce)

THERMAL FACTOR (Ct)

 $Pf min = I \times Pa$

1. CLASSIFICATION OF BUILDING

LIGHT STORAGE

2. FLOOR LIVE LOADS

ROOF LIVE LOADS

4. ROOF SNOW LOAD

5. WIND DESIGN DATA

EXPOSURE

SEISMIC DESIGN DATA

SITE CLASS

STRUCTURAL ABBREVIATIONS

HOLLOW STRUCTURAL SECTION

JOIST BEARING ELEVATION

HEIGHT

INCH

JOIST

JOINT

LLV

MATL

MFR

NOM

OD

OFCI

OPNG

PC CONC

PEMB

PFBC

POLY

PLF

PPT

PSF

PTFE

REF

REINF

REQ'D

SOG

STD

STIFF

SUSP

SYM

T&B

TOC

TOS

TOSL

TOW

TYP

VERT

STRUCT

SPA

OPP

POUNDS

METER(S)

MASONRY

MATERIAL

MAXIMUM

MECHANICAL

MINIMIIM

MANUFACTURER

MILLIMETER(S)

OUTSIDE DIAMETER

PRECAST CONCRETE

POLYETHYLENE

RADIUS

ROOF DRAIN

REFERENCE

REQUIRED

SLAB ON GRADE

STAINLESS STEEL

SIMILAR

SPACES

STANDARD

STIFFENER

STRUCTURAL

SUSPENDED

TOP OF STEEL

TOP OF SLAB

TOP OF WALL

VAPOR BARRIER

VAPOR RETARDER

WELDED WIRE FABRIC

TYPICAL

VERTICAL

WORK POINT

SYMMETRY(RICAL)

TOP AND BOTTOM

TRANSFER FORCE

TOP OF CONCRETE

TONGUE AND GROOVE

UNLESS NOTED OTHERWISE

SLOPE

NON SHRINK

ON CENTER

INSTALLED

OPPOSITE

OPENING

INSIDE DIAMETER

INFORMATION

JOIST SUBSTITUTE

LINEAR FEET (FOOT)

LONG LEG VERTICAL

LONG LEG HORIZONTAL

METAL BULIDNG SYSTEM

METAL BUILDING MANUFACTURER'S

OWNER FURNISHED CONTRACTOR

POWDER-ACTUATED FASTENERS

PRE-ENGINEERED METAL BLDG

POUNDS PER LINEAR FOOT

POUNDS PER SQUARE FOOT

POLYTETRAFLUOROETHYLENE

REINFORCING, REINFORCED

PRE-FABRICATED BUILDING COLUMN

PRESSURE PRESERVATIVE TREATED

INTERIOR

ANCHOR BOLT

ALUMINUM

BETWEEN

COLUMN

CONCRETE

DIAMETER

DIAGONA

DRAWING

EACH FACE

ELEVATION

ELECTRICAL

EDGE OF DECK

ELEVATOR

EACH WAY

EXPANSION

FIXED BASE

FLOOR DRAIN

FOUNDATION

FINISHED

FRAMING

FOOTING

GALVANIZED

GRADE BEAM

GAGE

GRADE

HEADED

HOOK

HORIZONTAL

JBE (+X'-X")

BP-A, BP-B ..

H1, H2 ...

J1, J2 ...

T-1, T-2 ..

P-1, P-2 ..

KCS

 \rightarrow

-X'-X"

WP +

L1, L2 ...

 $\langle X.X \rangle$

(SL)

WFX.X

TCX

(+X'-X")

WP1, WP2 ..

HIGH STRENGTH

PLAN LEGEND

CENTERLINE

JOIST BEARING ELEVATION

BEAM BEARING PLATE

COLUMN BASE PLATE

WOOD HEADER

WOOD JOIST

WOOD POST

CONCRETE PIER

SPECIAL JOIST

WORK POINT

LINTEL

JOIST SUBSTITUTE

CONSTANT SHEAR JOIST

WALL FOOTING STEP

TOP OF FOOTING ELEVATION

TOP OF SLAB ELEVATION

TOP OF STEEL BEAM ELEVATION

BE IN SAME PLANE AS TOP OF JOIST

INDICATES TOP OF STRUCTURAL MEMBER SHALL

INDICATES TOP OF STRUCTURAL MEMBER SHALL

STEEL JOIST BOTTOM CHORD EXTENSION,

CMU WALL REINFORCING SIZE AND SPACING

STEEL BEAM MOMENT CONNECTION

COLUMN FOOTING

BE SLOPED

EXISTING

TRANSFER FORCE

CHANGE IN SLAB ELEVATION

TOP CHORD EXTENSION

WALL FOOTING

THICKENED SLAB

TRUSS

GALV

HORIZ

FLOOR

FINISHED FLOOR

FACE OF BRICK

FACE OF CONCRETE

FACE OF MASONRY

FIRE RETARDANT TREATED

EXTERIOR

EXPANSION JOIN

DOWN

DIMENSION

CONNECTION

CONSTRUCTION

CANTILEVER

CAST IN PLACE

CONTROL JOINT

APPROXIMATE

ALUM

BLDG

CFSF

CONC

CONN

CONT

CONSTR

APPROX

STRUCTURAL STEEL

ABOVE FINISHED FLOOR

ARCHITECTURALLY EXPOSED

ARCHITECTURAL, ARCHITECT

BUILDING MOUNTED CANOPIES

COLD FORMED STEEL FRAMING

CONCRETE MASONRY UNIT

DEFORMED BAR ANCHOR

- SHALL BE PREPARED UNDER THE DIRECT SUPERVISION OF A PROFESSIONAL ENGINEER REGISTERED
- 2. DESIGN CRITERIA A. PRIMARY AND SECONDARY STRUCTURAL MEMBERS AND EXTERIOR COVERING MATERIALS: METAL BUILDING MANUFACTURER'S ASSOCIATION'S (MBMA) "DESIGN PRACTICES MANUAL"
- B. STRUCTURAL STEEL MEMBERS: AMERICAN INSTITUTE OF STEEL CONSTRUCTION'S (AISC) "SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR
- C. LIGHT GAGE STEEL MEMBERS: AMERICAN IRON AND STEEL INSTITUTE'S (AISI) "SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS" AND "DESIGN OF LIGHT GAGE STEEL DIAPHRAGMS".
- D. FOR WELDED CONNECTIONS: AMERICAN WELDING SOCIETY'S (AWS) "STANDARD CODE FOR ARC
- AND GAS WELDING IN BUILDING CONSTRUCTION". 3. DESIGN LOADS: BASIC DESIGN LOADS, AS WELL AS AUXILIARY AND COLLATERAL LOADS, ARE
- INDICATED BELOW. A. GRAVITY LIVE LOADS, WIND AND SEISMIC LOADS AS INDICATED IN "DESIGN LIVE LOADS" SECTION
- B. BASIC DESIGN LOADS INCLUDE, IN ADDITION TO DEAD LOAD, LIVE LOAD, WIND LOAD, SEISMIC LOAD, CRANE LOAD WHERE INDICATED ON THE DRAWINGS. C. AUXILIARY LOADS INCLUDE DYNAMIC LIVE LOADS SUCH AS THOSE GENERATED BY CRANES AND
- MATERIALS HANDLING EQUIPMENT. D. COLLATERAL LOADS INCLUDE ADDITIONAL DEAD LOADS OVER AND ABOVE THE WEIGHT OF THE METAL BUILDING SYSTEM SUCH AS MECHANICAL SYSTEMS, LIGHTING, MEZZANINE FLOOR LOADS.
- E. DESIGN EACH MEMBER TO WITHSTAND STRESSES RESULTING FROM COMBINATIONS OF LOADS THAT PRODUCE ALLOWABLE STRESSES IN THAT MEMBER, AS PRESCRIBED IN MBMA'S "DESIGN
- F. THE PRE-ENGINEERED BUILDING COLUMNS SHALL HAVE PINNED BASES AND SHALL TRANSFER NO MOMENTS TO THE FOUNDATIONS
- 4. SUBMIT COMPLETE DESIGN CALCULATIONS AND ERECTION DRAWINGS SHOWING ANCHOR BOLT SETTINGS, SIDEWALL, ENDWALL, AND ROOF FRAMING, TRANSVERSE CROSS SECTIONS, COVERING AND TRIM DETAILS, AND ACCESSORY INSTALLATION DETAILS TO CLEARLY INDICATE PROPER ASSEMBLY OF BUILDING COMPONENTS.
- 5. DESIGN CALCULATIONS AND ERECTION DRAWINGS SHALL BE SEALED AND SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF SOUTH CAROLINA.

CONTRACTOR TO COORDINATE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.

6. REFER TO ARCHITECTURAL ROOF PLAN FOR LOCATION OF MECHANICAL UNITS TO BE SUPPORTED FROM THE ROOF PURLINS. REFER TO MECHANICAL DRAWINGS FOR UNIT WEIGHTS. GENERAL

	COMPONENTS	S AND CLADDING DES (ULTIMATE DESIGN	SIGN WIND PRESSURE I PSF)	=
ZONE	AREA ≤ 10 FT ²	AREA ≤ 25 FT ²	AREA ≤ 50 FT ²	AREA ≤ 100 FT
1	49 PSF / -114 PSF	45 PSF / -105 PSF	41 PSF / -76 PSF	38 PSF / -47 PS
2	49 PSF / -158 PSF	45 PSF / -133 PSF	41 PSF / -114 PSF	38 PSF / -95 PS
3	49 PSF / -185 PSF	45 PSF / -153 PSF	41 PSF / -129 PSF	38 PSF / -105 PS
4	65 PSF / -69 PSF	62 PSF / -66 PSF	60 PSF / -64 PSF	58 PSF / -62 PS
5	65 PSF / -81 PSF	62 PSF / -75 PSF	60 PSF / -71 PSF	58 PSF / -67 PS

COMPONENTS AND CLADDING ROOF WIND PRESSURE DIAGRAM

FEBRUARY 26, 20

REVISIONS

DATE DESCRIPTION

PROJECT NO: 611315

ORGI

ШШ

<u>0</u>

PROGRESS

GENERAL NOTES AND LEGENDS

SCHEDULE OF SPECIAL INSPECTIONS - 2021 IBC

Inspections & Testing	Continuous	Periodic	Y/ N	Reference Standard or Compliance Document	Ag	jent
spection Agents	Col	ď				
Special Inspector of Record (SIOR): Structural Engineer of Record (SEOR): Moseley Archite Steel Fabricator's Quality Control Inspector:	ects					
Structural Observer:						
spection Agents - Observe - The inspector shall observe these items on regular basis.	1					
Perform – These tasks shall be performed for each elded or bolted joint.						
704.2.4 Report Requirement Decial Inspector to keep record of special inspections						
and furnish inspection reports to the building official and to the Registered Design Professional in esponsible Charge.	•		Y	IBC 1704.2.4		1
704.2.5 Inspection of Fabricated Items						
ork done in fabricator shop requires special inspection alless the fabricator is registered and approved in						
cordance with 1704.2.5.1. Where fabricator is proved, provide fabricator certification document.		•	Y	1704.2.5	1	, 3
completion of fabrication, submit certificate of ompliance to building official stating the work was		•	Υ	1704.2.5.1		1
erformed in accordance with the approved construction ocuments. 704.4 Contractor Responsibility						
ach contractor responsible for the construction of a main						
nd- or seismic force resisting system, designated eismic system or a wind- or seismic-resisting component ted in the statement of special inspections shall submit written statement of responsibility.		•	Y	1704.4		
704.5 Submittals to the Building Official						
ertificates of compliance for the fabrication of structural,				1704.5	Т	
ad-bearing or lateral load-resisting members or seemblies on the premises of a registered and approved bricator in accordance with 1704.2.5.1.	•		Y	1704.2.5.1	2	, 3
ertificates of compliance for the seismic qualification of onstructural components, supports and attachments in	•		Υ	1704.5 1705.14.2	2	, 3
ertificates of compliance for designated seismic systems	•		Y	1704.5	2	, 3
accordance with Section 1705.14.3.			<u>'</u>	1705.14.3 1704.5	<u> </u>	
eports of preconstruction tests for shotcrete in ecordance with ACI 318.	•		N	ACI 318	1	, 2
ertificates of compliance for open web steel joists and st girders in accordance with Section 2207.5.	•		N	1704.5	2	, 3
poorte of material proportios verifying compliance with				2207.5 1704.5		
eports of material properties verifying compliance with e requirements of AWS D1.4 for weldability as specified Section 26.6.4. of ACI 318 for reinforcing bars in encrete complying with a standard other than ASTM A	•		Y	AWS D1.4	1	, 2
06 that are to be welded.				26.6.4 of ACI 318 ASTM A 706		
eports of mill tests in accordance with Section 20.2.2.5 ACI 318 for reinforcing bars complying with ASTM A				1704.5		
5 and used to resist earthquake-induced flexural or ital forces in the special moment frames, special ructural walls or coupling beams connecting special ructural walls of seismic force-resisting systems in	•		N	20.2.2.5 of ACI 318	2	, 3
ructures assigned to Seismic Design Category B, C, D, or F				ASTM A 615		
704.6 Structural Observation						
ne owner shall employ a registered design professional perform structural observation. Prior to commencement						
observation, the structural observer shall submit to the uilding official a written statement identifying frequency and extent of structural observations.						
Structural observations for structures		•	Υ	1704.6.1		4
Inspections & Testing				rence Standard or pliance Document	Ag	ent
1705.2 Steel Construction				4705.0.4		
ructural Steel inspections and non-destructive testing lall be in accordance with the quality assurance spection requirements of AISC 360-16.				1705.2.1 AISC 360-16		
C inspection tasks shall be performed by fabricator's or ector's Quality Control Inspector (Agent 3), as oplicable, in accordance with sections N5.4, N5.6, and						
5.7. A inspection tasks shall be performed by the Quality						
surance Inspector (Agent 1), in accordance with section 5.4, N5.6, and N5.7.	1					
elder qualification records and continuity records					QC P	QA O
elding procedure specifications (WPSs) available anufacturer certifications for welding consumables			-		P P	P P
aterial identification (type/grade)					0	0
elder identification system t-up of groove welds (including joint geometry)					0	0
Joint preparation Dimensions (alignment, root opening, root face, evel)						
Cleanliness (condition of steel surfaces)						
Tacking (tack weld quality and location) Backing type and fit (if applicable)						
onfiguration and finish of access holes t-up of fillet welds					0	0
Dimensions (alignment, gaps at root) Cleanliness (condition of steel surfaces)			-			
Tacking (tack weld quality and location)						
neck welding equipment uring Welding (AISC 360-16 Table N5.4-2)					QC	QA
ontrol and handling of welding consumables Packaging					0	0
Exposure control o welding over cracked tack welds	-				0	0
nvironmental conditions					0	0
Wind speed within limits Precipitation and temperature						
PS followed Settings on welding equipment					0	0
Travel speed Selected welding materials						
Shielding gas type/flow rate						
Preheat applied Interpass temperature maintained (min. /max.)						
•					1	
Proper position (F, V, H, OH) /elding techniques			_		0	0
, , , , , , , , , , , , , , , , , , ,					0	0
lelding techniques Interpass and final cleaning					0	0

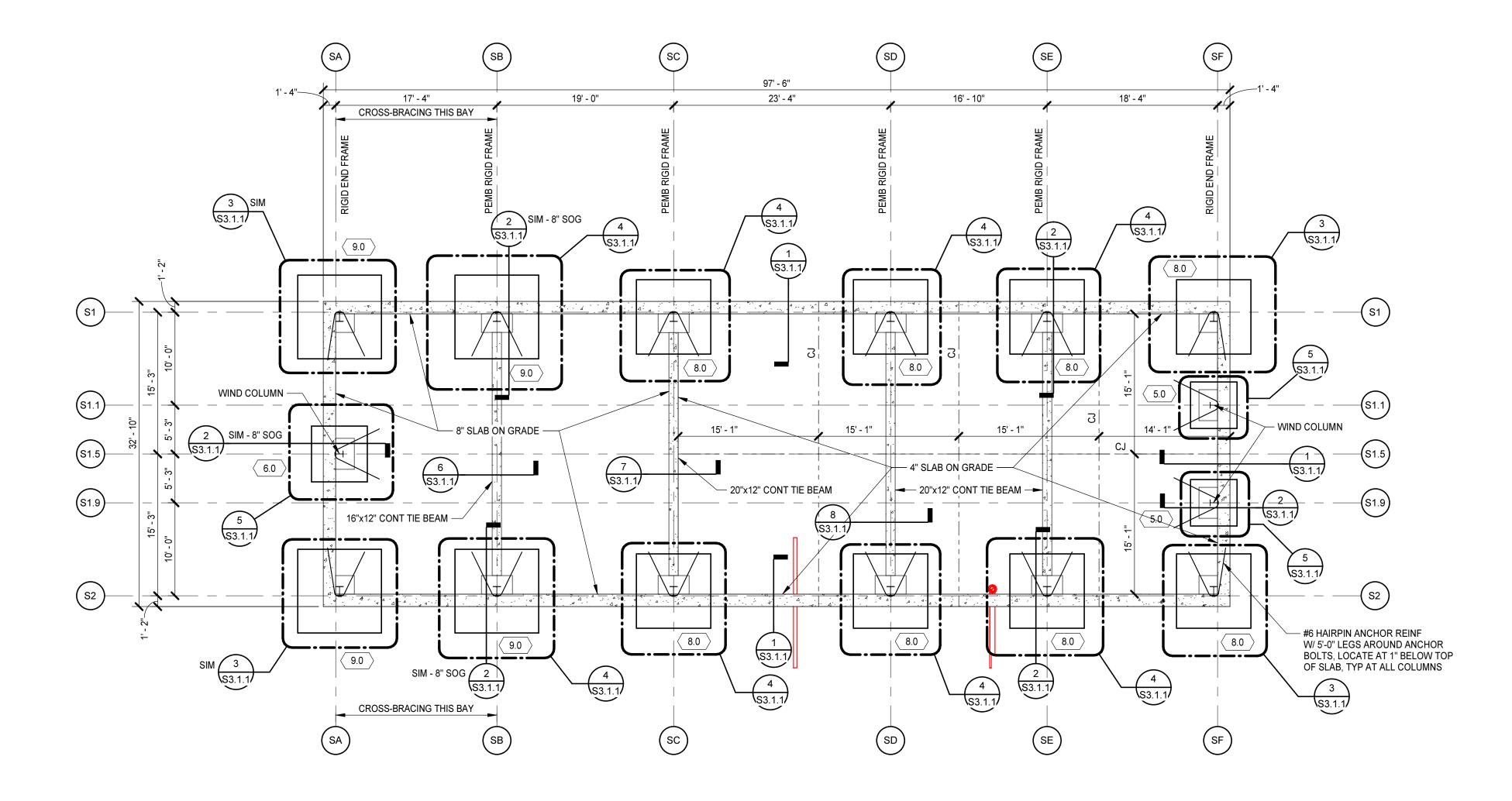
Inspections & Testing	Compliance Document	gent
After Welding (AISC 360-16 Table N5.4-3) Welds cleaned	QC 0	QA O
Size, length and location of welds Welds meet visual acceptance criteria	P P	P P
a. Crack prohibition		
b. Weld/base-metal fusion		
c. Crater cross section d. Weld profiles		
e. Weld size		
f. Undercut g. Porosity		
Arc strikes	Р	Р
k-area Weld across holes in rolled heavy shapes and built-up	P	P
heavy shapes	P P	P
Backing removed and weld tabs removed (if required) Repair activities	P	P P
Document acceptance or rejection of welded joint or member	Р	Р
No prohibited welds have been added without the approval of the EOR.	0	0
Nondestructive Testing (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 joint	ts P	Р
subject to transversely applied tension loading, in materials 5/16 in. thick or greater.		
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, in	/ Р	Р
applied tension loading in butt, 1- and corner joints, in materials 5/16 in. thick or greater.		
Access Holes – Perform Magnetic Particle Testing or Liquid Penetrant Testing when the flange thickness	P	P
exceeds 2 in. for rolled shapes, or when the web thickness exceeds 2 in. for built-up shapes.		
Welded Joints Subject to Fatigue	Р	Р
Prior to Welding (AISC 341-16 Table J6.1) Visual inspection tasks prior to welding	QC	QA
Material identification (type/grade)	0	0
Welder identification system	0	0
Fit-up of groove welds (including joint geometry) a. Joint preparation		
b. Dimensions (alignment, root opening, root face, bevel)	P/O**	
c. Cleanliness (condition of steel surfaces)	P/O**	0
d. Tacking (tack weld quality and location)		
e. Backing type and fit (if applicable) Configuration and finish of access holes	0	0
Fit-up of fillet welds		
Dimensions (alignment, gaps at root) Cleanliness (condition of steel surfaces)	P/O**	0
c. Tacking (tack weld quality and location)		
demonstrating understanding of requirements and possi- designation of this task shall be reduced to Observe, an determine that the welder has discontinued performance time as the Inspector has re-established adequate assu	welds to be made by a given welder, with the welder session of skills and tools to verify these items, the Perform and the welder shall perform this task. Should the Inspector se of this task, the task shall be returned to Perform until such urance that the welder will perform the inspection tasks listed.	QA
demonstrating understanding of requirements and possion designation of this task shall be reduced to Observe, and determine that the welder has discontinued performance time as the Inspector has re-established adequate assurburing Welding (AISC 341-16 Table J6.2) Visual inspection tasks during welding	session of skills and tools to verify these items, the Perform and the welder shall perform this task. Should the Inspector se of this task, the task shall be returned to Perform until such urance that the welder will perform the inspection tasks listed.	QA
demonstrating understanding of requirements and possic designation of this task shall be reduced to Observe, and determine that the welder has discontinued performance time as the Inspector has re-established adequate assumentation with the welder has discontinued performance time as the Inspector has re-established adequate assumentation with the welding (AISC 341-16 Table J6.2) Visual inspection tasks during welding WPS followed a. Settings on welding equipment	session of skills and tools to verify these items, the Perform and the welder shall perform this task. Should the Inspector se of this task, the task shall be returned to Perform until such urance that the welder will perform the inspection tasks listed.	QA
demonstrating understanding of requirements and possion designation of this task shall be reduced to Observe, and determine that the welder has discontinued performance time as the Inspector has re-established adequate assurburing Welding (AISC 341-16 Table J6.2) Visual inspection tasks during welding WPS followed a. Settings on welding equipment b. Travel speed	session of skills and tools to verify these items, the Perform and the welder shall perform this task. Should the Inspector se of this task, the task shall be returned to Perform until such urance that the welder will perform the inspection tasks listed.	QA
demonstrating understanding of requirements and possice designation of this task shall be reduced to Observe, and determine that the welder has discontinued performance time as the Inspector has re-established adequate assurburing Welding (AISC 341-16 Table J6.2) Visual inspection tasks during welding WPS followed a. Settings on welding equipment b. Travel speed c. Selected welding materials d. Shielding gas type/flow rate	session of skills and tools to verify these items, the Perform and the welder shall perform this task. Should the Inspector se of this task, the task shall be returned to Perform until such urance that the welder will perform the inspection tasks listed.	QA O
demonstrating understanding of requirements and possice designation of this task shall be reduced to Observe, and determine that the welder has discontinued performance time as the Inspector has re-established adequate assurburing Welding (AISC 341-16 Table J6.2) Visual inspection tasks during welding WPS followed a. Settings on welding equipment b. Travel speed c. Selected welding materials d. Shielding gas type/flow rate e. Preheat applied	session of skills and tools to verify these items, the Perform and the welder shall perform this task. Should the Inspector se of this task, the task shall be returned to Perform until such surance that the welder will perform the inspection tasks listed.	
demonstrating understanding of requirements and possice designation of this task shall be reduced to Observe, and determine that the welder has discontinued performance time as the Inspector has re-established adequate assurable During Welding (AISC 341-16 Table J6.2) Visual inspection tasks during welding WPS followed 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)	session of skills and tools to verify these items, the Perform and the welder shall perform this task. Should the Inspector se of this task, the task shall be returned to Perform until such surance that the welder will perform the inspection tasks listed.	
demonstrating understanding of requirements and possice designation of this task shall be reduced to Observe, and determine that the welder has discontinued performance time as the Inspector has re-established adequate assurburing Welding (AISC 341-16 Table J6.2) Visual inspection tasks during welding WPS followed 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) h. Intermix of filler metals avoided unless approved	session of skills and tools to verify these items, the Perform and the welder shall perform this task. Should the Inspector see of this task, the task shall be returned to Perform until such surance that the welder will perform the inspection tasks listed. QC	0
demonstrating understanding of requirements and possice designation of this task shall be reduced to Observe, and determine that the welder has discontinued performance time as the Inspector has re-established adequate assurburing Welding (AISC 341-16 Table J6.2) Visual inspection tasks during welding WPS followed 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) h. Intermix of filler metals avoided unless approved Use of qualified welders	session of skills and tools to verify these items, the Perform and the welder shall perform this task. Should the Inspector se of this task, the task shall be returned to Perform until such surance that the welder will perform the inspection tasks listed.	
demonstrating understanding of requirements and possice designation of this task shall be reduced to Observe, and determine that the welder has discontinued performance time as the Inspector has re-established adequate assurburing Welding (AISC 341-16 Table J6.2) Visual inspection tasks during welding WPS followed 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) h. Intermix of filler metals avoided unless approved Use of qualified welders Control and handling of welding consumables	session of skills and tools to verify these items, the Perform and the welder shall perform this task. Should the Inspector see of this task, the task shall be returned to Perform until such surance that the welder will perform the inspection tasks listed. QC	0
demonstrating understanding of requirements and possice designation of this task shall be reduced to Observe, and determine that the welder has discontinued performance time as the Inspector has re-established adequate assurburing Welding (AISC 341-16 Table J6.2) Visual inspection tasks during welding WPS followed 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) h. Intermix of filler metals avoided unless approved Use of qualified welders Control and handling of welding consumables a. Packaging b. Exposure control	ession of skills and tools to verify these items, the Perform and the welder shall perform this task. Should the Inspector e of this task, the task shall be returned to Perform until such urance that the welder will perform the inspection tasks listed. QC QC O	0
demonstrating understanding of requirements and possice designation of this task shall be reduced to Observe, and determine that the welder has discontinued performance time as the Inspector has re-established adequate assurburing Welding (AISC 341-16 Table J6.2) Visual inspection tasks during welding WPS followed 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) h. Intermix of filler metals avoided unless approved Use of qualified welders Control and handling of welding consumables a. Packaging b. Exposure control Environmental conditions	ession of skills and tools to verify these items, the Perform and the welder shall perform this task. Should the Inspector e of this task, the task shall be returned to Perform until such urance that the welder will perform the inspection tasks listed. QC QC O	0
demonstrating understanding of requirements and possible designation of this task shall be reduced to Observe, and determine that the welder has discontinued performance time as the Inspector has re-established adequate assurburing Welding (AISC 341-16 Table J6.2) Visual inspection tasks during welding WPS followed 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) h. Intermix of filler metals avoided unless approved Use of qualified welders Control and handling of welding consumables a. Packaging b. Exposure control Environmental conditions a. Wind speed within limits b. Precipitation and temperature	session of skills and tools to verify these items, the Perform and the welder shall perform this task. Should the Inspector se of this task, the task shall be returned to Perform until such surance that the welder will perform the inspection tasks listed. QC	0
demonstrating understanding of requirements and possiclesignation of this task shall be reduced to Observe, and determine that the welder has discontinued performance time as the Inspector has re-established adequate assurburing Welding (AISC 341-16 Table J6.2) Visual inspection tasks during welding WPS followed 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) h. Intermix of filler metals avoided unless approved Use of qualified welders Control and handling of welding consumables a. Packaging b. Exposure control Environmental conditions a. Wind speed within limits b. Precipitation and temperature Welding techniques	session of skills and tools to verify these items, the Perform and the welder shall perform this task. Should the Inspector se of this task, the task shall be returned to Perform until such surance that the welder will perform the inspection tasks listed. QC	0
demonstrating understanding of requirements and possicle designation of this task shall be reduced to Observe, and determine that the welder has discontinued performance time as the Inspector has re-established adequate assurburing Welding (AISC 341-16 Table J6.2) Visual inspection tasks during welding WPS followed 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) h. Intermix of filler metals avoided unless approved Use of qualified welders Control and handling of welding consumables a. Packaging b. Exposure control Environmental conditions a. Wind speed within limits b. Precipitation and temperature Welding techniques a. Interpass and final cleaning	session of skills and tools to verify these items, the Perform and the welder shall perform this task. Should the Inspector se of this task, the task shall be returned to Perform until such surance that the welder will perform the inspection tasks listed. QC	0
demonstrating understanding of requirements and possed designation of this task shall be reduced to Observe, an determine that the welder has discontinued performance time as the Inspector has re-established adequate assurburing Welding (AISC 341-16 Table J6.2) Visual inspection tasks during welding WPS followed 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) h. Intermix of filler metals avoided unless approved Use of qualified welders Control and handling of welding consumables a. Packaging b. Exposure control Environmental conditions a. Wind speed within limits b. Precipitation and temperature Welding techniques a. Interpass and final cleaning b. Each pass within profile limitations c. Each pass meets quality requirements	ession of skills and tools to verify these items, the Perform hid the welder shall perform this task. Should the Inspector e of this task, the task shall be returned to Perform until such urance that the welder will perform the inspection tasks listed. QC QC O O O	0 0
demonstrating understanding of requirements and possed designation of this task shall be reduced to Observe, an determine that the welder has discontinued performance time as the Inspector has re-established adequate assurburing Welding (AISC 341-16 Table J6.2) Visual inspection tasks during welding WPS followed 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) h. Intermix of filler metals avoided unless approved Use of qualified welders Control and handling of welding consumables a. Packaging b. Exposure control Environmental conditions a. Wind speed within limits b. Precipitation and temperature Welding techniques a. Interpass and final cleaning b. Each pass within profile limitations c. Each pass meets quality requirements No welding over cracked tacks	ession of skills and tools to verify these items, the Perform and the welder shall perform this task. Should the Inspector the of this task, the task shall be returned to Perform until such arrance that the welder will perform the inspection tasks listed. QC	0 0
demonstrating understanding of requirements and possed designation of this task shall be reduced to Observe, an determine that the welder has discontinued performance time as the Inspector has re-established adequate assurburing Welding (AISC 341-16 Table J6.2) Visual inspection tasks during welding WPS followed 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) h. Intermix of filler metals avoided unless approved Use of qualified welders Control and handling of welding consumables a. Packaging b. Exposure control Environmental conditions a. Wind speed within limits b. Precipitation and temperature Welding techniques a. Interpass and final cleaning b. Each pass within profile limitations c. Each pass meets quality requirements No welding over cracked tacks After Welding (AISC 341-16 Table J6.3)	ession of skills and tools to verify these items, the Perform hid the welder shall perform this task. Should the Inspector e of this task, the task shall be returned to Perform until such trance that the welder will perform the inspection tasks listed. QC	0 0
demonstrating understanding of requirements and possed designation of this task shall be reduced to Observe, an determine that the welder has discontinued performance time as the Inspector has re-established adequate assurble in the state of the state	ession of skills and tools to verify these items, the Perform of the welder shall perform this task. Should the Inspector e of this task, the task, the lask shall be returned to Perform until such arrance that the welder will perform the inspection tasks listed. QC	O O O QA
demonstrating understanding of requirements and possible designation of this task shall be reduced to Observe, an attempt that the welder has discontinued performance time as the Inspector has re-established adequate assurble in the welder has discontinued performance time as the Inspector has re-established adequate assurble in the welding (AISC 341-16 Table J6.2) Wisual inspection tasks during welding WPS followed 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) h. Intermix of filler metals avoided unless approved Use of qualified welders Control and handling of welding consumables a. Packaging b. Exposure control Environmental conditions a. Wind speed within limits b. Precipitation and temperature Welding techniques a. Interpass and final cleaning b. Each pass within profile limitations c. Each pass meets quality requirements No welding over cracked tacks After Welding (AISC 341-16 Table J6.3) Visual inspection tasks after welding Welds cleaned Size, length and location of welds	ession of skills and tools to verify these items, the Perform and the welder shall perform this task. Should the Inspector e of this task, the task shall be returned to Perform until such arrance that the welder will perform the inspection tasks listed. QC	O O O QA
demonstrating understanding of requirements and possidesignation of this task shall be reduced to Observe, and determine that the welder has discontinued performance time as the Inspector has re-established adequate assured the state of th	ession of skills and tools to verify these items, the Perform of the welder shall perform this task. Should the Inspector e of this task, the task, the lask shall be returned to Perform until such arrance that the welder will perform the inspection tasks listed. QC	O O O QA
demonstrating understanding of requirements and possidesignation of this task shall be reduced to Observe, an determine that the welder has discontinued performance time as the Inspector has re-established adequate assured time as the Inspector has re-established adequate assured time as the Inspection tasks during welding. WPS followed 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) h. Intermix of filler metals avoided unless approved Use of qualified welders Control and handling of welding consumables a. Packaging b. Exposure control Environmental conditions a. Wind speed within limits b. Precipitation and temperature Welding techniques a. Interpass and final cleaning b. Each pass within profile limitations c. Each pass meets quality requirements No welding over cracked tacks After Welding (AISC 341-16 Table J6.3) Visual inspection tasks after welding Welds cleaned Size, length and location of welds Welds meet visual acceptance criteria a. Crack prohibition b. Weld/base-metal fusion	ession of skills and tools to verify these items, the Perform of the welder shall perform this task. Should the Inspector e of this task, the task, the lask shall be returned to Perform until such arrance that the welder will perform the inspection tasks listed. QC	O O O QA
demonstrating understanding of requirements and possidesignation of this task shall be reduced to Observe, an determine that the welder has discontinued performance time as the Inspector has re-established adequate assurburing Welding (AISC 341-16 Table J6.2) Visual inspection tasks during welding WPS followed 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) h. Intermix of filler metals avoided unless approved Use of qualified welders Control and handling of welding consumables a. Packaging b. Exposure control Environmental conditions a. Wind speed within limits b. Precipitation and temperature Welding techniques a. Interpass and final cleaning b. Each pass within profile limitations c. Each pass meets quality requirements No welding over cracked tacks After Welding (AISC 341-16 Table J6.3) Visual inspection tasks after welding Welds cleaned Size, length and location of welds Welds meet visual acceptance criteria a. Crack prohibition b. Weld/base-metal fusion c. Crater cross section	ession of skills and tools to verify these items, the Perform of the welder shall perform this task. Should the Inspector e of this task, the task, the lask shall be returned to Perform until such arrance that the welder will perform the inspection tasks listed. QC	O O O QA
demonstrating understanding of requirements and possible signation of this task shall be reduced to Observe, an determine that the welder has discontinued performance time as the Inspector has re-established adequate assurburing Welding (AISC 341-16 Table J6.2) Visual inspection tasks during welding WPS followed 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) h. Intermix of filler metals avoided unless approved Use of qualified welders Control and handling of welding consumables a. Packaging b. Exposure control Environmental conditions a. Wind speed within limits b. Precipitation and temperature Welding techniques a. Interpass and final cleaning b. Each pass within profile limitations c. Each pass meets quality requirements No welding over cracked tacks After Welding (AISC 341-16 Table J6.3) Visual inspection tasks after welding Welds cleaned Size, length and location of welds Welds meet visual acceptance criteria a. Crack prohibition b. Weld/base-metal fusion c. Crater cross section d. Weld profiles e. Weld size	ession of skills and tools to verify these items, the Perform du the welder shall perform this task. Should the Inspector e of this task, the task shall be returned to Perform until such trance that the welder will perform the inspection tasks listed. QC	O O O QA O P
demonstrating understanding of requirements and possible signation of this task shall be reduced to Observe, an determine that the welder has discontinued performance time as the Inspector has re-established adequate assurburing Welding (AISC 341-16 Table J6.2) Visual inspection tasks during welding WPS followed 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) h. Intermix of filler metals avoided unless approved Use of qualified welders Control and handling of welding consumables a. Packaging b. Exposure control Environmental conditions a. Wind speed within limits b. Precipitation and temperature Welding techniques a. Interpass and final cleaning b. Each pass within profile limitations c. Each pass weets quality requirements No welding over cracked tacks After Welding (AISC 341-16 Table J6.3) Visual inspection tasks after welding Welds cleaned Size, length and location of welds Welds meet visual acceptance criteria a. Crack prohibition b. Weld/base-metal fusion c. Crater cross section d. Weld profiles e. Weld size f. Undercut	ession of skills and tools to verify these items, the Perform du the welder shall perform this task. Should the Inspector e of this task, the task shall be returned to Perform until such trance that the welder will perform the inspection tasks listed. QC	O O O QA O P
demonstrating understanding of requirements and possible signation of this task shall be reduced to Observe, an determine that the welder has discontinued performance time as the Inspector has re-established adequate assurburing Welding (AISC 341-16 Table J6.2) Visual inspection tasks during welding WPS followed 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) h. Intermix of filler metals avoided unless approved Use of qualified welders Control and handling of welding consumables a. Packaging b. Exposure control Environmental conditions a. Wind speed within limits b. Precipitation and temperature Welding techniques a. Interpass and final cleaning b. Each pass within profile limitations c. Each pass meets quality requirements No welding over cracked tacks After Welding (AISC 341-16 Table J6.3) Visual inspection tasks after welding Welds cleaned Size, length and location of welds Welds meet visual acceptance criteria a. Crack prohibition b. Weld/base-metal fusion c. Crater cross section d. Weld profiles e. Weld size f. Undercut g. Porosity *k-area	ession of skills and tools to verify these items, the Perform du the welder shall perform this task. Should the Inspector e of this task, the task shall be returned to Perform until such trance that the welder will perform the inspection tasks listed. QC	O O O QA O P
demonstrating understanding of requirements and possible signation of this task shall be reduced to Observe, an determine that the welder has discontinued performance time as the Inspector has re-established adequate assurburing Welding (AISC 341-16 Table J6.2) Wisual inspection tasks during welding WPS followed 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) h. Intermix of filler metals avoided unless approved Use of qualified welders Control and handling of welding consumables a. Packaging b. Exposure control Environmental conditions a. Wind speed within limits b. Precipitation and temperature Welding techniques a. Interpass and final cleaning b. Each pass within profile limitations c. Each pass weets quality requirements No welding over cracked tacks After Welding (AISC 341-16 Table J6.3) Visual inspection tasks after welding Welds cleaned Size, length and location of welds Welds meet visual acceptance criteria a. Crack prohibition b. Weld/base-metal fusion c. Crater cross section d. Weld profiles e. Weld size f. Undercut g. Porosity "k-area Placement of reinforcing or contouring fillet welds (if	ession of skills and tools to verify these items, the Perform do the welder shall perform this task. Should the Inspector of this task, the task shall be returned to Perform until such trance that the welder will perform the inspection tasks listed.	O O O QA O P
demonstrating understanding of requirements and poss- designation of this task shall be reduced to Observe, an determine that the welder has discontinued performance time as the Inspector has re-established adequate assu During Welding (AISC 341-16 Table J6.2) Visual inspection tasks during welding WPS followed 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) h. Intermix of filler metals avoided unless approved Use of qualified welders Control and handling of welding consumables a. Packaging b. Exposure control Environmental conditions a. Wind speed within limits b. Precipitation and temperature Welding techniques a. Interpass and final cleaning b. Each pass within profile limitations c. Each pass meets quality requirements No welding over cracked tacks After Welding (AISC 341-16 Table J6.3) Visual inspection tasks after welding Welds cleaned Size, length and location of welds Welds meet visual acceptance criteria a. Crack prohibition b. Weld/base-metal fusion c. Crater cross section d. Weld profiles e. Weld size f. Undercut g. Porosity *k-area Placement of reinforcing or contouring fillet welds (if required) Backing removed, weld tabs removed and finished, and	ession of skills and tools to verify these items, the Perform dithe welder shall perform this task. Should the Inspector e of this task, the task shall be returned to Perform until such rrance that the welder will perform the inspection tasks listed. QC	O O O P P
demonstrating understanding of requirements and poss- designation of this task shall be reduced to Observe, an determine that the welder has discontinued performance time as the Inspector has re-established adequate assu During Welding (AISC 341-16 Table J6.2) Visual inspection tasks during welding WPS followed 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) h. Intermix of filler metals avoided unless approved Use of qualified welders Control and handling of welding consumables a. Packaging b. Exposure control Environmental conditions a. Wind speed within limits b. Precipitation and temperature Welding techniques a. Interpass and final cleaning b. Each pass within profile limitations c. Each pass meets quality requirements No welding over cracked tacks After Welding (AISC 341-16 Table J6.3) Visual inspection tasks after welding Welds cleaned Size, length and location of welds Welds meet visual acceptance criteria a. Crack prohibition b. Weld/base-metal fusion c. Crater cross section d. Weld profiles e. Weld size f. Undercut g. Porosity **k-area Placement of reinforcing or contouring fillet welds (if required) Backing removed, weld tabs removed and finished, and fillet welds added (if required) Backing removed, weld tabs removed and finished, and fillet welds added (if required) Repair activities	ession of skills and tools to verify these items, the Perform do the welder shall perform this task. Should the Inspector e of this task, the task shall be returned to Perform until such rrance that the welder will perform the inspection tasks listed. O	O O O P P P P P P
demonstrating understanding of requirements and poss- designation of this task shall be reduced to Observe, an determine that the welder has discontinued performance time as the Inspector has re-established adequate assu During Welding (AISC 341-16 Table J6.2) Visual inspection tasks during welding WPS followed 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) h. Intermix of filler metals avoided unless approved Use of qualified welders Control and handling of welding consumables a. Packaging b. Exposure control Environmental conditions a. Wind speed within limits b. Precipitation and temperature Welding techniques a. Interpass and final cleaning b. Each pass within profile limitations c. Each pass meets quality requirements No welding over cracked tacks After Welding (AISC 341-16 Table J6.3) Visual inspection tasks after welding Welds cleaned Size, length and location of welds Welds meet visual acceptance criteria a. Crack prohibition b. Weld/base-metal fusion c. Crater cross section d. Weld profiles e. Weld size f. Undercut g. Porosity **When welding doubler plates, continuity plates, or stiff required) Backing removed, weld tabs removed and finished, and fillet welds added (if required) Repair activities * When welding doubler plates, continuity plates, or stiff cracks within 3 in. (75 mm) of the weld. The visual inspectoracks within 3 in. (75 mm) of the weld. The visual inspectoracks within 3 in. (75 mm) of the weld. The visual inspectoracks within 3 in. (75 mm) of the weld. The visual inspectoracks within 3 in. (75 mm) of the weld. The visual inspectoracks within 3 in. (75 mm) of the weld. The visual inspectoracks within 3 in. (75 mm) of the weld. The visual inspectoracks within 3 in. (75 mm) of the weld. The visual inspectoracks within 3 in. (75 mm) of the weld. The visual inspectoracks within 3 in. (75 mm)	ession of skills and tools to verify these items, the Perform do the welder shall perform this task. Should the Inspector e of this task, the task shall be returned to Perform until such rrance that the welder will perform the inspection tasks listed. QC	O O O P P P P P P P P P P P P P P P P P
demonstrating understanding of requirements and possibesignation of this task shall be reduced to Observe, and determine that the welder has discontinued performance time as the Inspector has re-established adequate assure the Inspector tasks during welding. WPS followed 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) h. Intermix of filler metals avoided unless approved Use of qualified welders Control and handling of welding consumables a. Packaging b. Exposure control Environmental conditions a. Wind speed within limits b. Precipitation and temperature Welding techniques a. Interpass and final cleaning b. Each pass within profile limitations c. Each pass meets quality requirements No welding over cracked tacks After Welding (AISC 341-16 Table J6.3) Visual inspection tasks after welding Welds cleaned Size, length and location of welds Welds meet visual acceptance criteria a. Crack prohibition b. Weld/base-metal fusion c. Crater cross section d. Weld profiles e. Weld size f. Undercut g. Porosity *K-area Placement of reinforcing or contouring fillet welds (if required) Backing removed, weld tabs removed and finished, and fillet welding doubler plates, continuity plates, or stiff crequired) Backing removed, weld tabs removed and finished, and fillet welding. *When welding doubler plates, continuity plates, or stiff crequired) Repair activities *When welding doubler plates, continuity plates, or stiff creakes within 3 in. (75 mm) of the weld. The visual inspective welding.	ession of skills and tools to verify these items, the Perform do the welder shall perform this task. Should the Inspector e of this task, the task shall be returned to Perform until such rrance that the welder will perform the inspection tasks listed. QC	O O O P P P P P P P P P P P P P P P P P
demonstrating understanding of requirements and poss- designation of this task shall be reduced to Observe, and determine that the welder has discontinued performance time as the Inspector has re-established adequate assu During Welding (AISC 341-16 Table J6.2) Visual inspection tasks during welding WPS followed 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) h. Intermix of filler metals avoided unless approved Use of qualified welders Control and handling of welding consumables a. Packaging b. Exposure control Environmental conditions a. Wind speed within limits b. Precipitation and temperature Welding techniques a. Interpass and final cleaning b. Each pass within profile limitations c. Each pass meets quality requirements No welding over cracked tacks After Welding (AISC 341-16 Table J6.3) Visual inspection tasks after welding Welds cleaned Size, length and location of welds Welds meet visual acceptance criteria a. Crack prohibition b. Weld/base-metal fusion c. Crater cross section d. Weld profiles e. Weld size f. Undercut g. Porosity *k-area Placement of reinforcing or contouring fillet welds (if required) Backing removed, weld tabs removed and finished, and fillet welds added (if required) Repair activities * When welding doubler plates, continuity plates, or stiff cracks within 3 in. (75 mm) of the weld. The visual inspettive welding. Prior to Bolting (AISC 360-16 Table N5.6-1) Manufacturer's certifications available for fastener	ession of skills and tools to verify these items, the Perform dut he welder shall perform this task. Should the Inspector e of this task, the task shall be returned to Perform until such irrance that the welder will perform the inspection tasks listed. O	O O O O P P P P P P P P P P P P P P P P
demonstrating understanding of requirements and poss- designation of this task shall be reduced to Observe, an determine that the welder has discontinued performance time as the Inspector has re-established adequate assu During Welding (AISC 341-16 Table J6.2) Visual inspection tasks during welding WPS followed 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) h. Intermix of filler metals avoided unless approved Use of qualified welders Control and handling of welding consumables a. Packaging b. Exposure control Environmental conditions a. Wind speed within limits b. Precipitation and temperature Welding techniques a. Interpass and final cleaning b. Each pass within profile limitations c. Each pass within profile limitations c. Each pass weets quality requirements No welding over cracked tacks After Welding (AISC 341-16 Table J6.3) Visual inspection tasks after welding Welds cleaned Size, length and location of welds Welds meet visual acceptance criteria a. Crack prohibition b. Weld/base-metal fusion c. Crater cross section d. Weld profiles e. Weld size f. Undercut g. Porosity *k-area Placement of reinforcing or contouring fillet welds (if required) Backing removed, weld tabs removed and finished, and fillet welds added (if required) Backing removed, weld tabs removed and finished, and fillet welds added (if required) Repair activities *When welding doubler plates, continuity plates, or stiff When welding doubler plates, continuity plates, or stiff When welding doubler plates, continuity plates, or stiff	ession of skills and tools to verify these items, the Perform dut the welder shall perform this task. Should the Inspector e of this task, the task shall be returned to Perform until such urance that the welder will perform the inspection tasks listed. O	O O O O P P P P P P P P P P P P P P P P
demonstrating understanding of requirements and poss- designation of this task shall be reduced to Observe, an determine that the welder has discontinued performance time as the Inspector has re-established adequate assu During Welding (AISC 341-16 Table J6.2) Visual inspection tasks during welding WPS followed 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) h. Intermix of filler metals avoided unless approved Use of qualified welders Control and handling of welding consumables a. Packaging b. Exposure control Environmental conditions a. Wind speed within limits b. Precipitation and temperature Welding techniques a. Interpass and final cleaning b. Each pass within profile limitations c. Each pass meets quality requirements No welding over cracked tacks After Welding (AISC 341-16 Table J6.3) Visual inspection tasks after welding Welds cleaned Size, length and location of welds Welds meet visual acceptance criteria a. Crack prohibition b. Weld/base-metal fusion c. Crater cross section d. Weld profiles e. Weld size f. Undercut g. Porosity *k-area Placement of reinforcing or contouring fillet welds (if required) Backing removed, weld tabs removed and finished, and fillet welds added (if required) Repair activities * When welding doubler plates, continuity plates, or stiffer the welding added (if required) Repair activities * When welding doubler plates, continuity plates, or stiffer the welding added (if required) Repair activities * When welding doubler plates, continuity plates, or stiffer the welding and incommendation available for fastener materials Fasteners marked in accordance with ASTM requirements	ession of skills and tools to verify these items, the Perform dut the welder shall perform this task. Should the Inspector e of this task, the task shall be returned to Perform until such urance that the welder will perform the inspection tasks listed. O	O O O O P P P P P P P P P P P P P P P P
demonstrating understanding of requirements and poss designation of this task shall be reduced to Observe, an determine that the welder has discontinued performance time as the Inspector has re-established adequate assument of the total process of the total pro	ession of skills and tools to verify these items, the Perform dut the welder shall perform this task. Should the Inspector e of this task, the task shall be returned to Perform until such urance that the welder will perform the inspection tasks listed. O	O O O O P P P P P P P P P P P P P P P P
demonstrating understanding of requirements and poss- designation of this task shall be reduced to Observe, an determine that the welder has discontinued performance time as the Inspector has re-established adequate assu During Welding (AISC 341-16 Table J6.2) Visual inspection tasks during welding WPS followed 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) h. Intermix of filler metals avoided unless approved Use of qualified welders Control and handling of welding consumables a. Packaging b. Exposure control Environmental conditions a. Wind speed within limits b. Precipitation and temperature Welding techniques a. Interpass and final cleaning b. Each pass within profile limitations c. Each pass meets quality requirements No welding over cracked tacks After Welding (AISC 341-16 Table J6.3) Visual inspection tasks after welding Welds cleaned Size, length and location of welds Welds meet visual acceptance criteria a. Crack prohibition b. Weld/base-metal fusion c. Crater cross section d. Weld profiles e. Weld size f. Undercut g. Porosity "k-area Placement of reinforcing or contouring fillet welds (if required) Repair activities "When welding doubler plates, continuity plates, or stiff cracks within 3 in. (75 mm) of the weld. The visual inspection welds added (if required) Repair activities Prior to Bolting (AISC 360-16 Table N5.6-1) Manufacturer's certifications available for fastener materials Fasteners marked in accordance with ASTM requirements Correct fasteners selected for the joint detail (grade, typ bott length if threads are to be excluded from shear plan bott length if threads are to be excluded from shear plan	ession of skills and tools to verify these items, the Perform dut the welder shall perform this task. Should the Inspector e of this task, the task shall be returned to Perform until such urance that the welder will perform the inspection tasks listed. O	O O O O P P P P P P P P P P P P P P P P
demonstrating understanding of requirements and poss- designation of this task shall be reduced to Observe, an determine that the welder has discontinued performance time as the Inspector has re-established adequate assus the Inspection tasks during welding WPS followed 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) h. Intermix of filler metals avoided unless approved Use of qualified welders Control and handling of welding consumables a. Packaging b. Exposure control Environmental conditions a. Wind speed within limits b. Precipitation and temperature Welding techniques a. Interpass and final cleaning b. Each pass within profile limitations c. Each pass meets quality requirements No welding over cracked tacks After Welding (AISC 341-16 Table J6.3) Visual inspection tasks after welding Welds cleaned Size, length and location of welds Welds meet visual acceptance criteria a. Crack prohibition b. Weld/base-metal fusion c. Crater cross section d. Weld profiles e. Weld size f. Undercut g. Porosity *k-area Placement of reinforcing or contouring fillet welds (if required) Repair activities *When welding Glubler plates, continuity plates, or stiff cracks withing a doubler plates, continuity plates, or stiff cracks withing fill in the weld. The visual inspection between the section of the weld. The visual inspection between the section of the weld in section of the weld. The visual inspection between the section of the plates, continuity plates, or stiff cracks within a in. (75 mm) of the weld. The visual inspection between the section of the plates, continuity plates, or stiff cracks within a coordance with ASTM requirements Correct fasteners marked in accordance with ASTM requirements Correct bolting procedure selected for joint detail Connecting elements, including the appropriate faying surface condition and hole p	ession of skills and tools to verify these items, the Perform dut the welder shall perform this task. Showl, the Perform until such rance that the welder will perform the inspection tasks listed. O	O O O O P P P P P P P P P P P P P P P P
demonstrating understanding of requirements and poss- designation of this task shall be reduced to Observe, an determine that the welder has discontinued performance time as the Inspector has re-established adequate assu During Welding (AISC 341-16 Table J6.2) Visual inspection tasks during welding WPS followed 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) h. Intermix of filler metals avoided unless approved Use of qualified welders Control and handling of welding consumables a. Packaging b. Exposure control Environmental conditions a. Wind speed within limits b. Precipitation and temperature Welding techniques a. Interpass and final cleaning b. Each pass meets quality requirements No welding over cracked tacks After Welding (AISC 341-16 Table J6.3) Visual inspection tasks after welding Welds cleaned Size, length and location of welds Welds meet visual acceptance criteria a. Crack prohibition b. Weld/base-metal fusion c. Crater cross section d. Weld profiles e. Weld size f. Undercut g. Porosity "k-area Placement of reinforcing or contouring fillet welds (if required) Backing removed, weld tabs removed and finished, and fillet welds added (if required) Repair activities "When welding doubler plates, continuity plates, or stiff cracks within 3 in. (75 mm) of the weld. The visual inspection tacking removed, weld tabs removed and finished, and fillet welds added (if required) Repair activities "When welding doubler plates, continuity plates, or stiff cracks within 3 in. (75 mm) of the weld. The visual inspection several fillet welds added (if required) Repair activities "When welding (AISC 360-16 Table N5.6-1) Manufacturer's certifications available for fastener materials Fasteners marked in accordance with ASTM requirements Correct fasteners selected for the joint detail (grade, typ	ession of skills and tools to verify these items, the Perform dut the welder shall perform this task. Showl, the Perform until such rance that the welder will perform the inspection tasks listed. O	O O O O P P P P P P P P P P P P P P P P

Protected storage provided for bolts, nuts, washers and other fastener components

Inspections & Testing				rence Standard or pliance Document	Age	
During Bolting (AISC 360-16 Table N5.6-2)					QC	
These inspections are not required for snug-tight joints. These inspections are not required for pretensioned joints	and s	din-critic	nal inin	ts, when the installer is using the	turn_of_nu	ıt ma
with matchmarking techniques, the direct-tension-indicator	r meth					T
Fastener assemblies, placed in all holes and washers and nuts are positioned as required					0	
Joint brought to the snug-tight condition prior to the pretensioning operation					0	'
Fastener component not turned by the wrench prevented from rotating					0	
Fasteners are pretensioned in accordance with the RCSC Specification, progressing systematically from the most rigid point toward the free edges					0	
After Bolting (AISC 360-16 Table N5.6-3)					QC	(
Document acceptance or rejection of bolted connections					Р	
Other Inspection Tasks (AISC 360-16 Section N5.8)					QC	C
Verify compliance of fabricated steel with the details shown on the approved shop drawings.					Р	
Verify compliance of the erected steel frame with the field installed details shown on the approved erection drawings, including braces, stiffeners, member locations and joint details.					Р	
Anchor rods and other embedment supporting structural steel					Р	
a. Verify the diameter, grade, type and length of the anchor rod or embedded item.					Р	
b. Verify the extent or depth of embedment into the concrete.		_	_		Р	
Reduced Beam Sections (RBS) requirements, if applicable (ref: AISC 341-16)					Р	
a. Contour and finish					Р	igg
b. Dimensional tolerances Protected zone—no holes and unapproved attachments					P	+
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)	ဖြ				Р	
Inspections & Testing	Continuous	Periodic	Y/ N	Reference Standard or Compliance Document	Ag	geni
1705.2.2 Cold-Formed Steel Deck					T	
Special inspections in accordance with SDI QA/QC-2017 Standard for Quality control and Quality assurance for Installation of Steel Deck.		•	Υ	1705.2.2		2
1705.3 Concrete Construction Inspect reinforcing steel, including prestressing tendons,						
and verify placement.		•	Y	Table 1705.3		1
Inspect reinforcing bar welding a. Verify weldability of reinforcing bars other than			 ,,			1
ASTM A 706		•	Y			
b. Inspect single-pass fillet welds, maximum 5/16" c. Inspect all welds	•	•	N N			
Inspect an welds		•	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.	•		Υ			
b. Mechanical anchors and adhesive anchors not		•	Υ			
defined above 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.		•	Υ			1
Inspect prestressed concrete for:						1
a. Application of prestressing forces	•		N			
 Grouting of bonded prestressing tendons in the seismic-force-resisting system. 	•		N			
nspect erection of precast structural members.		•	N			1
For precast concrete diaphragm connections or einforcement at joints classified as moderate or high deformability elements (MDE or HDE) in structures assigned to Seismic Design Category C, D, E, or F, inspect such connections and reinforcement in the field or:						1
a. Installation of the embedded parts	•		N			1
b. Completion of the continuity of reinforcement across oints	•		N			1
c. Completion of connections in the field	•		N			1
Inspect installation tolerances of precast concrete diaphragm connections for compliance with ACI 550.5.		•	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
			Υ			
Inspect formwork for shape, location, and dimensions of						1

Verify materials below shallow foundations are adequate to achieve the required bearing capacity.		•	Υ	Table 1705.6	1
Verify excavations are extended to proper depth and have	,	•	Υ		1
Perform classification and testing of compacted fill materials.		•	Υ		1
During fill placement, verify use of proper materials and procedures in accordance with the provisions of the approved geotechnical report. Verify densities and lift chicknesses during placement and compaction of compacted fill.	•		Υ		1
Prior to placement of controlled fill, observe subgrade and verify that site has been prepared properly.		•	Υ		1
1705.12 Wind Resistance					
Provide inspections when required by 1705.12.		•	Υ		1, 2
a. Structural wood			<u> </u>	1705.12.1	-, -
c. CFS light frame construction				1705.12.2	
c. Wind resisting components				1705.12.3	
1705.13 Seismic Resistance					
Provide inspections when required by 1705.13.		•	Υ		1, 2
a. Structural steel				1705.13.1	· ·
o. Structural wood				1705.13.2	
c. CFS light frame construction				1705.13.3	
d. Designated seismic systems				1705.13.4	
e. Architectural components				1705.13.5	
Flumbing, Mechanical, Electrical components				1705.13.6	
g. Storage Racks				1705.13.7	
n. Seismic Isolation Systems				1705.13.8	
Cold-formed Steel Special Bolted Moment Frames				4705 42 0	
·				1705.13.9	
1705.14 Testing and Qualification for Seismic Resistan	ice	I			
Test and qualify seismic resistance in accordance with 1705.14 and the project specifications.		•	Υ		1, 2
a. Structural Steel				1705.14.1	
o. Non-Structural Components				1705.14.2	
c. Designated Seismic Systems				1705.14.3	
d. Seismic Isolation Systems				1705.14.4	
1705.15 Sprayed Fire-Resistant Materials (SFRM)					
nspect sprayed fire-resistant materials in accordance with 1705.15 and the project specifications.		•	N		1
a. Condition of substrate					
o. Thickness of application					
c. Density					
d. Bond strength adhesion/cohesion					
e. Condition of finished application	L				
1705.16 Mastic and Intumescent Fire-Resistant Coating	js				
Perform inspections in accordance with AWCI 12-B and 1705.16.		•	N	AWCI 12-B	1
1705.17 Exterior Insulation and Finish Systems (EIFS)					
Perform inspections in accordance with project specifications and 1705.17.		•	N		1
1705.18 Fire-resistant Penetrations and Joints					
Perform inspections in accordance with project specifications and 1705.18.		•	N	1705.18.1, 1705.18.2	1, 2
1705.19 Smoke Control			1	Ī	Ī





1/8" = 1'-0"

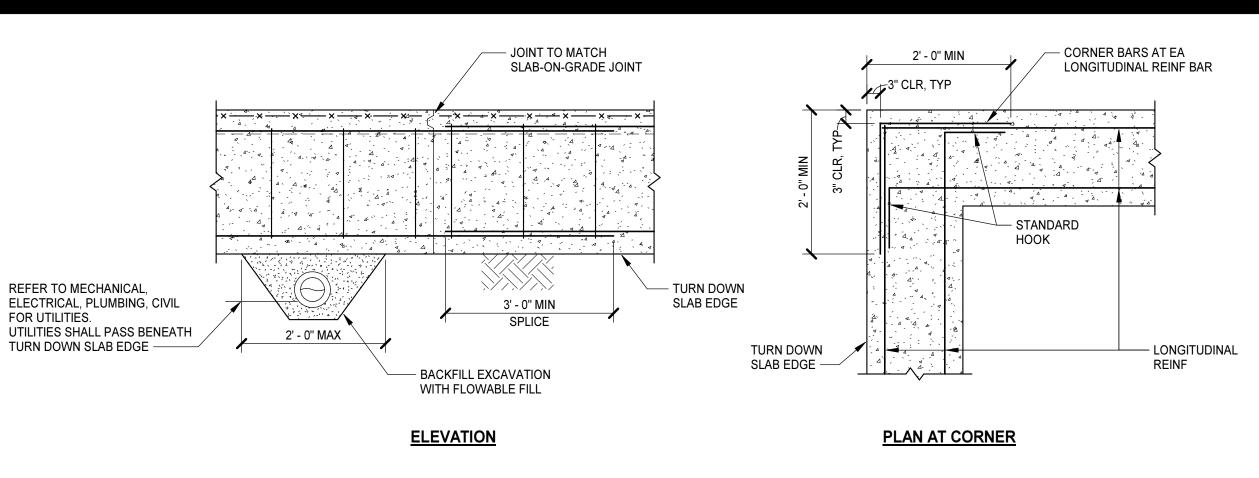
FIRST FLOOR PLAN FOUNDATION 1/8" = 1'-0"

FOUNDATION PLAN NOTES:

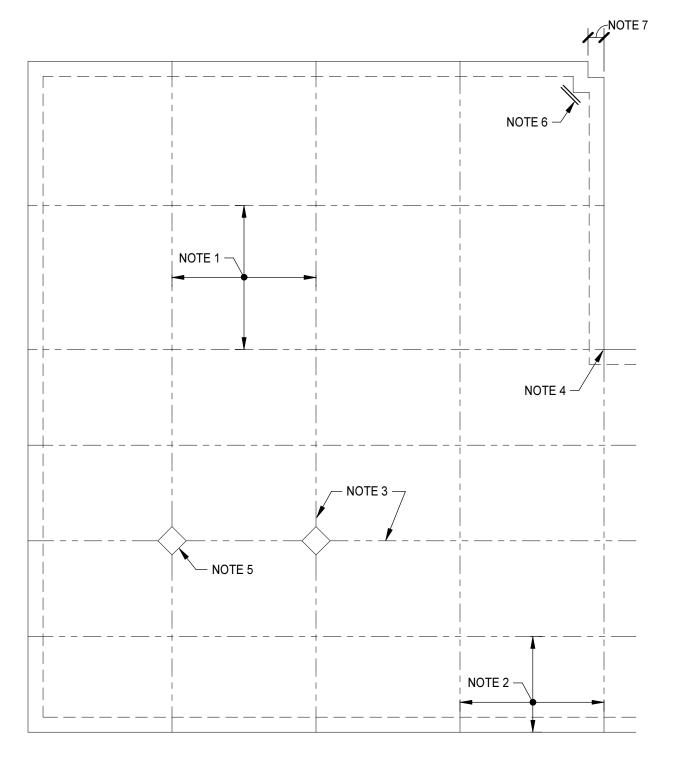
- FINISHED FIRST FLOOR ELEVATION = 19.60' = REFERENCE DATUM EL (+0'-0"). ALL STRUCTURAL ELEVATIONS INDICATED ARE REFERENCED FROM THIS ELEVATION, UNO.
- FLOOR CONSTRUCTION SHALL BE 4" NORMAL WEIGHT CONCRETE SLAB ON GRADE REINFORCED WITH 6x6-W2.9xW2.9 WWF (AT 1" FROM TOP OF SLAB) OVER VAPOR BARRIER OVER 6" GRANULAR BASE COURSE, UNO.
- 3. 8" NORMAL WEIGHT CONCRETE SLAB ON GRADE REINFORCED WITH #5 AT 12" ON CENTER AT MID-DEPTH OVER VAPOR BARRIER OVER 6" GRANULAR BASE COURSE, UNO. JOINTS ARE NOT PERMITTED IN THIS SLAB. POUR SLAB, SLAB EDGE TURNDOWN, AND PIERS MONOLITHICALLY.
- 4. BASE COURSE SHALL BE A CLEAN, DENSELY-GRADED "CRUSHER RUN" MATERIAL WITH A BALANCED FINE CONTENT, SUCH AS MATERIAL IN THE SCDOT QUALIFIED PRODUCT LIST 2. 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 TESTING AGENCY. OPEN GRADED STONE, SUCH AS #57 STONE, IS NOT ACCEPTABLE.
- 5. COORDINATE TOP OF FOOTING ELEVATIONS WITH ALL UNDERSLAB UTILITIES. REFER TO FOUNDATION NOTE #4 ON DRAWING S0.0.1.
- 6. REFER TO DRAWING S0.0.1 FOR GENERAL NOTES, PLAN LEGEND, AND STRUCTURAL ABBREVIATIONS.
- 7. REFER TO DRAWINGS \$3.0.1 FOR TYPICAL FOUNDATION, SLAB DETAILS AND SCHEDULES.

TYPICAL FOUNDATION
& SLAB DETAILS

S3.0.



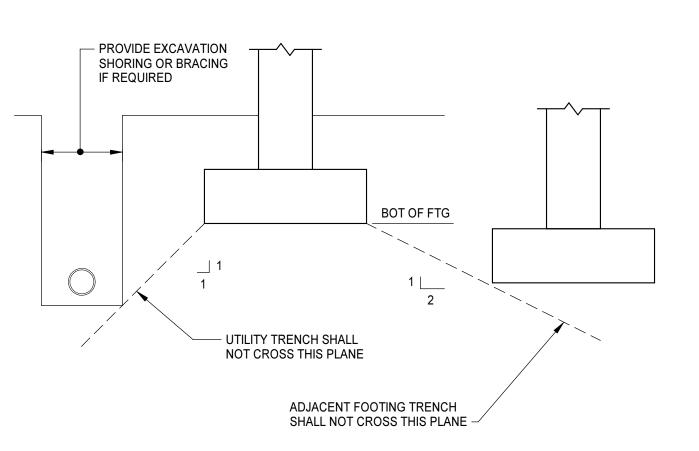
CONCRETE TURN DOWN SLAB EDGE DETAILS



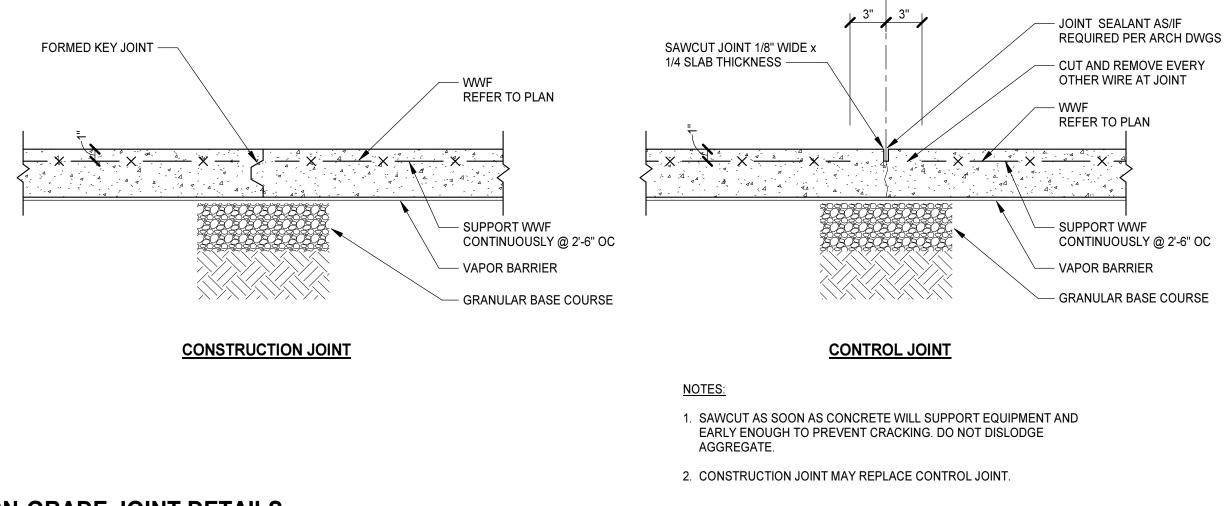
SLAB-ON-GRADE JOINT LAYOUT GUIDELINES

NOTES:

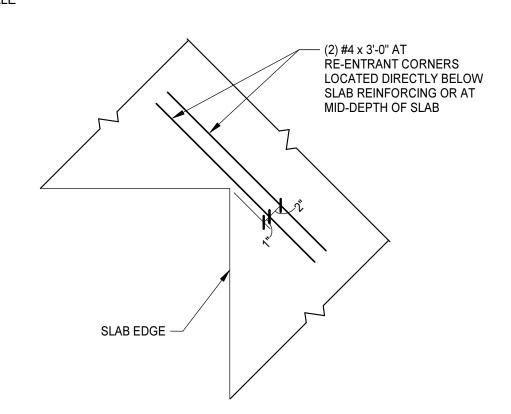
- 1. PROVIDE CONTROL JOINTS IN SLABS ON GRADE WITHIN THE BUILDING SUCH THAT THE AREA BOUNDED BY CONTROL JOINTS DOES NOT EXCEED 225 SQUARE FEET AND JOINT SPACING DOES NOT EXCEED 15'-0" ON CENTER IN ANY ONE DIRECTION.
- 2. THE RATIO OF LENGTH TO WIDTH OF THE AREA BOUNDED BY CONTROL JOINTS SHALL NOT EXCEED 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. PROVIDE DIAMOND OR CIRCULAR BLOCKOUTS AT COLUMNS.
- 6. REINFORCE ALL RE-ENTRANT CORNERS OF SLAB PER "SLAB REINFORCING AT RE-ENTRANT CORNERS".7. CONTROL JOINT NOT REQUIRED IF DIMENSION AT RE-ENTRANT CORNER IS 2'-0" OR LESS. PROVIDE
- REINFORCING PER "SLAB REINFORCING AT RE-ENTRANT CORNER".
- 8. CONTROL JOINT / CONSTRUCTION JOINT PLANS SHALL BE SUBMITTED FOR REVIEW.

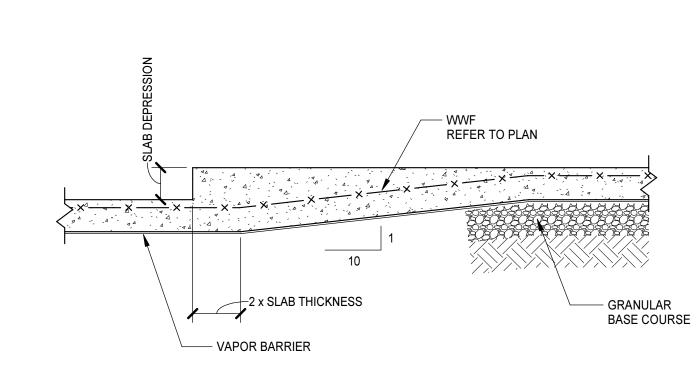


FOOTING EXCAVATION LIMITS
NO SCALE



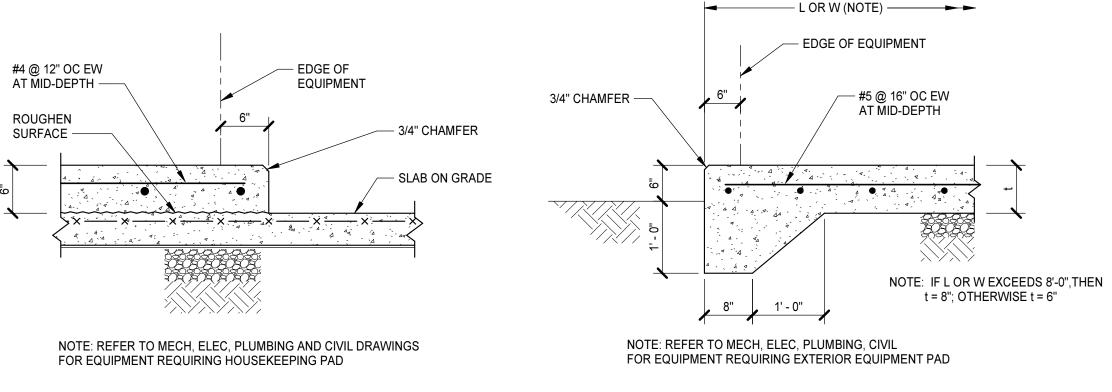
SLAB-ON-GRADE JOINT DETAILS





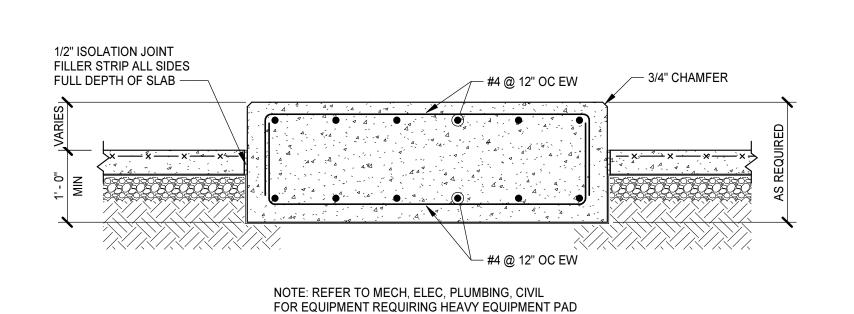
SLAB REINFORCING AT RE-ENTRANT CORNER
NO SCALE





HOUSEKEEPING PAD

EXTERIOR EQUIPMENT PAD



HEAVY EQUIPMENT PAD

EQUIPMENT PAD DETAILS
NO SCALE

:6/2024 4:26:21 PM

PROGRESS PRINT NOT FOR CONSTRUCTION

OFFICE CORONER

TOWN

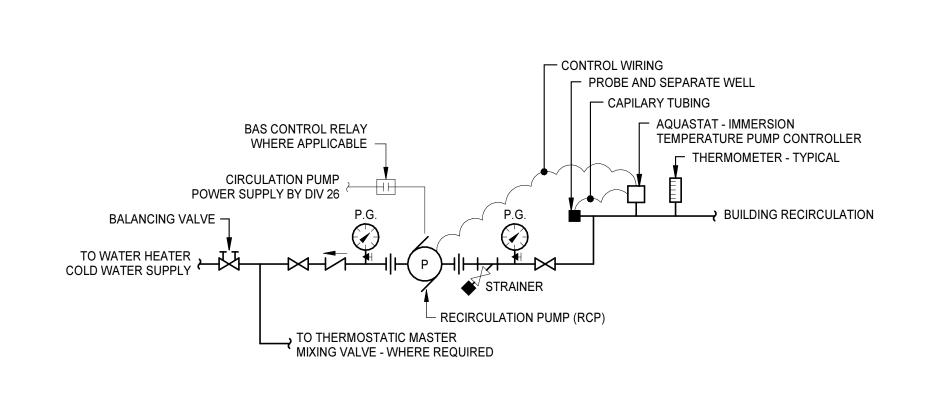
GEORGETOWN COUNTY GEORGETOWN, SOUTH CAROLINA

GEORGE PROJECT NO: 611315 DATE: FEBRUARY 26, 2024 REVISIONS DATE DESCRIPTION FOUNDATION SECTIONS

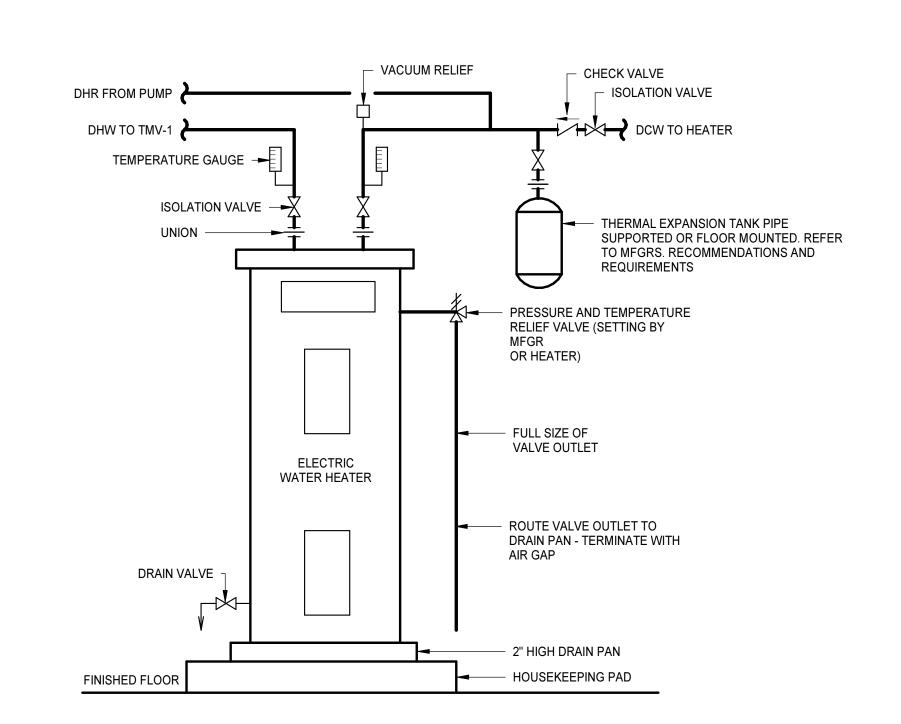
PROJECT NO: 611315 DATE: SEPTEMBER 15, 2023 DATE DESCRIPTION

> LEGENDS, ABBREVIATIONS AND

GENERAL NOTES



CIRCULATION PUMP DETAIL



FLOOR MOUNTED ELECTRIC WATER HEATER DETAIL

			ABBREVIATIONS		
9	AT	EWC	ELECTRIC WATER COOLER	OSD	OPEN SITE DRAIN
AV	AIR ADMITTANCE VALVE	EWH	ELECTRIC WATER HEATER	PC	PRECAST
3V	ABOVE	EX	EXISTING	PCF	POUNDS PER CUBIC FOOT
C-X	AIR COMPRESSOR DESIGNATION	EXP	EXPANSION	PD	PUMP DISCHARGE
DJ	ADJUSTABLE	FCO	FLOOR CLEANOUT	PLUMB	PLUMBING
DNL	ADDITIONAL	FD	FLOOR DRAIN	PLYWD	PLYWOOD
FF	ABOVE FINISHED FLOOR	FDC	FIRE DEPARTMENT CONNECTION	POLY	POLYETHYLENE
FG	ABOVE FINISHED GRADE	FF	FINISHED FLOOR	PPT	PRESSURE PRESERVATIVE TREATED
HU	AIR HANDLING UNIT	FFE	FINISHED FLOOR ELEVATION	PREFAB	PREFABRICATE(D)
LT	ALTERNATE	FG	FINISHED GRADE	PROJ	PROJECT
LUM	ALUMINUM	FH	FIRE HYDRANT	PSF	POUNDS PER SQUARE FOOT
P	ACCESS PANEL	FHC	FIRE HOSE CABINET	PSI	POUNDS PER SQUARE INCH
PPR	APPROXIMATE	FHS	FIRE HOSE STATION	PV	PROPANE VENT
RCH	ARCHITECTURAL	FHVC	FIRE HOSE VALVE CABINET	PVC	POLYVINYL CHLORIDE
UTO	AUTOMATIC	FIX	FIXTURE	PVMT	PAVEMENT
VG	AVERAGE	FLR	FLOOR	R	RISER
FF	BELOW FINISHED FLOOR	FLSHG	FLASHING	RAD	RADIUS
- G	BELOW FINISHED GRADE	FOR	FUEL OIL RETURN	RCP-X	RECIRCULATION PUMP DESIGNATION
LDG	BUILDING	FOS	FUEL OIL SUPPLY	RD	ROOF DRAIN (BOTTOM OUTLET)
0	BOTTOM OF	FOV	FUEL OIL VENT	RDS	ROOF DRAIN (SIDE OUTLET)
OT	BOTTOM	FS	FLOOR SINK	REF	REFERENCE
SMT	BASEMENT	FSD	FOUNDATION SUB-DRAIN	REQD	REQUIRED
TWN	BETWEEN	FT	FOOT OR FEET	REQMT	REQUIREMENTS
A	COMPRESSED AIR	FVC	FIRE VALVE CABINET	RL	RAIN LEADER
; ;	CAST IRON	G	GAS	RM	ROOM
IP	CAST-IN-PLACE CONCRETE	GCO	GRADE CLEANOUT	RO	ROUGH OPENING
 L	CENTERLINE	GWH	GAS WATER HEATER	RV	RADON VENT
LG	CEILING	HB	HOSE BIBB	S	SOUTH
LR	CLEAR	HORIZ	HORIZONTAL	SAN	SANITARY
MP	CORRUGATED METAL PIPE	HP	HORSEPOWER	SCH	SCHEDULE
NTR	COUNTER	HR-X	HOSE REEL DESIGNATION	SD	STORM DRAINAGE PIPING
0	CLEANOUT	HTG	HEATING	SDN	STORM DRAIN NOZZLE
OL	COLUMN	HW	HOT WATER	SF	SQUARE FOOT/FEET
ONC	CONCRETE	HWR	HOT WATER HOT WATER RETURN	SHT	SHEET
ONDS	CONDENSATE	HWS	HOT WATER RETORN HOT WATER SUPPLY	SIM	SIMILAR
					SEALANT
ONSTR	CONSTRUCT(ION)	ID	INSIDE DIAMETER	SLT	
ONT	CONTINUATION	IN	INCH	SOG	SLAB ON GRADE
ONTR	CONTRACT(-OR)	INSUL	INSULATE OR INSULATION	SP	SUMP PUMP
ORR	CORRIDOR	INV	INVERT	SPEC	SPECIFICATION
P	CIRCULATING PUMP	JAN	JANITOR	SPR	SPRINKLER
R -	CLASSROOM	KIT	KITCHEN	SQ	SQUARE
T	COOLING TOWER	KW	KITCHEN WASTE	SRD	SECONDARY ROOF DRAIN
U	COPPER	LAB	LABORATORY	SS	STAINLESS STEEL
U FT	CUBIC FEET	LAV	LAVATORY	SSD	SECONDARY STORM DRAINAGE PIPING
U YD	CUBIC YARD	LBS	POUNDS	STD	STANDARD
W	COLD WATER	LF	LINEAR FOOT (FEET)	STL	STEEL
В	DRY BULB	LP	PROPANE	STOR	STORAGE
CW	DOMESTIC COLD WATER	LPV	PROPANE VENT	STRUCT	STRUCTURAL
EMO	DEMOLISH OR DEMOLITION	MATL	MATERIAL	SUSP	SUSPENDED
F	DRINKING FOUNTAIN	MAX	MAXIMUM	TD	TRENCH DRAIN
HR	DOMESTIC HOT WATER RETURN	MECH	MECHANICAL	THK	THICK(-NESS)
HR(140)	DOMESTIC HOT WATER RETURN (140°)	MED	MEDIUM	TLT	TOILET
HW	DOMESTIC HOT WATER	MFR	MANUFACTURER	TMV	THERMOSTATIC MIXING VALVE
HW(140)	DOMESTIC HOT WATER (140°)	MH	MANHOLE	TOSL	TOP OF SLAB
I	DROP INLET	MIN	MINIMUM	TW	DOMESTIC TEMPERED WATER (90° F)
IA	DIAMETER	MISC	MISCELLANEOUS	TYP	TYPICAL
IP	DUCTILE IRON PIPE	MTD	MOUNTED	UG	UNDERGROUND
N	DOWN	N	NORTH	UNO	UNLESS NOTED (INDICATED) OTHERWISE
R-X	COMPRESSED AIR DRYER DESIGNATION	N/A	NOT APPLICABLE/AVAILABLE	V	VENT
S	DOWNSPOUT	NC	NORMALLY CLOSED	VAC	VACUUM
Γ	DRAIN TILE	NG	NATURAL GAS	VB	VACUUM BREAKER
TL	DETAIL	NGV	NATURAL GAS VENT	VERT	VERTICAL
ΓW	DOMESTIC TEMPERED WATER	NIC	NOT IN CONTRACT	VTR	VENT THROUGH ROOF
VG	DRAWING	NO	NORMALLY OPEN	W	WEST
ΝP	DOMESTIC WATER BOOSTER PUMP	NO., (#)	NUMBER	W/	WITH
	EAST	NOM	NOMINAL	W/O	WITHOUT
D	EMERGENCY SECONDARY ROOF DRAIN	OC	ON CENTER	WB	WATER HAMMER ARRESTER
LEC	ELECTRICAL	OD	OUTSIDE DIAMETER	WC	WATER CLOSET
LEV	ELEVATION	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED	WCO	WALL CLEANOUT
PBD	ELECTRICAL PANELBOARD	OFF	OFFICE	WSHP	WATER SOURCE HEAT PUMP
Q OLUB	EQUAL	OH	OVERHEAD	VVVF	WELDED WIRE FABRIC
QUIP TR	EQUIPMENT	OPNG	OPENING	WWM WEMP	WELDED WIRE MESH
	EXISTING TO REMAIN	OPP	OPPOSITE	XFMR	TRANSFORMER

	GRAPHICS SYN	MBOLS LEGE	IND
✓ X" XXX		Θ	POINT OF CONNECTION TO EXISTING
	PIPE WITH SIZE AND SERVICE		LIMIT OF DEMOLITION
3" FT	FLOW IN DIRECTION OF ARROW		
	PITCH DOWN IN DIRECTION OF ARROW AT INDICATED SLOPE	30	KEYNOTE
- 3	PIPE CAP		
_	PIPE TURNED DOWN	(8)— —	STRUCTURAL GRID LINE WITH DESIGNATION
<u> </u>	PIPE TURNED UP		
	PIPE TEE UP	A123	SPACE IDENTIFICATION TAG
	PIPE TEE DOWN		SPACE NUMBER
	UNION		BUILDING AREA (WHEN USED)
	CONCENTRIC PIPE REDUCTION	AHU-02	EQUIPMENT IDENTIFICATION TAG
<u></u>	END OF LINE CLEANOUT PLUG		EQUIPMENT NUMBER
<u>-</u>	FLOOR CLEANOUT		— UNIT DESIGNATION
<u>co</u>	WALL CLEANOUT		SECTION WHERE CUT
	YARD CLEANOUT (CLEANOUT TO GRADE)	A	SECTION LETTER
년 - - - -	FLOOR DRAIN WITH TAG	P6.1	DRAWING WHERE SECTION IS INDICATED
	FLOOR SINK WITH TAG		ENLARGED PLAN WHERE CUT
4		<u> 1</u> P6.1	ENLARGED PLAN NUMBER DRAWING WHERE ENALRGED PLAN IS INDICATE
	PRESSURE GAUGE WITH GAUGE COCK		
		\bigcap	DETAIL TAG DETAIL NUMBER
	LIQUID FILLED THERMOMETER	P6.1	DRAWING WHERE DETAIL IS INDICATED
			SANITARY RISER TAG
	WATER WALLER ARRESTOR (EV. WARNING & REALWARD	S1	SANITARY RISER IDENTIFIER
	WATER HAMMER ARRESTOR (PLUMBING & DRAINAGE INSTITUTE SIZE INDICATED)	P6.1	
	FLOW SWITCH	D1	DOMESTIC RISER TAG DOMESTIC RISER IDENTIFIER
		P6.1	
_	TEMPERATURE/PRESSURE PLUG		
_	VALVE	1 DE	TAIL TITLE
₩	VALVE IN RISER	P2.2 P6.2 1/4"=1	
	GAS COCK	P2.3	DETAIL NUMBER
	VENTURI FLOW METER		DRAWING WHERE DETAIL IS INDICATED DRAWING WHERE DETAIL IS CUT
	MANUAL BALANCING VALVE	— A	ADDITIONAL DRAWING REFERENCES
	AUTOMATIC BALANCING VALVE WITH FLOW TAPS	S1, SA	NITARY RISER DIAGRAM
	SWING CHECK VALVE	P2.2 P4.2 1/4"=1	
			SANITARY RISER DIAGRAM IDENTIFIER DRAWING WHERE SANITARY RISER IS INDICATED
	PRESSURE REDUCING VALVE		DRAWING WHERE SANTARY RISER IS INDICATED RAWING WHERE SANITARY RISER IS TAGGED ADDITIONAL DRAWING REFERENCES
	SOLENOID OPERATED VALVE		VADILIONAL DIMAMINA VELEVENCES
ķΡ		D1, DO	MESTIC RISER DIAGRAM
<u>-</u>	TEMPERATURE AND PRESSURE RELIEF VALVE	P2.2 P5.2 1/4"=1	1'-0"
	BACKWATER VALVE		OOMESTIC RISER DIAGRAM IDENTIFIER DRAWING WHERE DOMESTIC RISER IS INDICATED
<u> </u>	HOSE BIBB OR WALL HYDRANT		DRAWING WHERE DOMESTIC RISER IS TAGGED ADDITIONAL DRAWING REFERENCES
丁 <u></u>			ELLION E SIGNATIO NEI ENEMOLO
W	REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER	G1 FU	EL GAS RISER DIAGRAM
赵	DOUBLE CHECK BACKFLOW PREVENTER	P2.2 P5.2 1/4"=1	1'-0"
	PUMP		UEL GAS RISER DIAGRAM IDENTIFIER RAWING WHERE FUEL GAS RISER IS INDICATED
			DRAWING WHERE FUEL GAS RISER IS TAGGED ADDITIONAL DRAWING REFERENCES

					PUMP	SCHEDU	LE										
	BASIS	S OF DESIGN						OPE	RATING DATA			ELE	CTRICAL D	ATA	CONNEC	CTION SIZE	
TAG	MANUFACTURER	MODEL	LOCATION	SYSTEM TYPE	AREA SERVED	PUMP TYPE	FLOW (GPM)	PRESSURE (FEET OF HEAD)	EFFICIENCY	POWER (HP)	SPEED (RPM)	VOLTS	PHASE	HERTZ	INLET (IN)	OUTLET (IN)	NOTES
RCP-3	GRUNDFOS	MAGNA3 32-60 F N	MECHANICAL Z110	HOT WATER (130F) RECIRCULATION	BUILDING	CIRCULATION	5.00	6.11	16%	0.389	VARI	120	1	60	0.75	0.75	
		PLEX VARIABLE SPEED DON FING OF 80PSI MAXIMUM TO			TH EACH PUMP SIZE	D FOR 100% OF TH	E INDICAT	ED OPERATIN	G FLOW WITH	VFD CON	rol. EA0	CH PUMP	SIZED FOR	262 GPM	AT 78' TD	H 20PSI BO	OST WITH

			ELEC	TRIC W	ATER HEA	ATER SC	HEDULE					
	BASIS OF	DESIGN					ELECTRI	CAL DATA				
TAG	MANUFACTURER	MODEL	CAPACITY (GALLONS)	RECOVERY RATE (GPH)	TEMPERATURE RISE (°F)	INPUTE RATE (AMPS)	INPUT RATE (WATTS)	VOLTAGE	PHASE	HERTZ	TEMPERATURE SETTING (°F)	NOTES
EWH-1	RHEEM	ELD40-TB	40	30	80	57.60	12	208	3	60	130	1
1. kW INP	UT RATE FOR ELECTRIC V	VATER HEATERS BASED	ON FULL LOAD S	SIMULTANEOUS	OPERATION.							

TAC	BASIS OF	DESIGN	DESIGN FLOW		FLOW MAX. P.D. AT	HW SYSTEM T	EMPERATURES	CONNECT	NOTES	
TAG	MANUFACTURER	MODEL	FLOW (GPM)	RANGE (GPM)) DESIGN FLOW	INLET	OUTLET	INLET	OUTLET	NOTES
TMV-1	ACORN CONTROLS	MV17-2	20	0.5 - 45	10 PSI	120°F	105°F	0.75	1	2

TAG	BASIS C	OF DESIGN	STRAINER/GRATE	NOTES
IAG	MANUFACTURER	MODEL	3 RAINER/GRATE	NOTES
DRAINS				
FD-1	JOSAM	30000-6S-2-PD-VP-X	6" x 6"	1,2
FD-2	JOSAM	60817	12-1/2" x 24-1/2"	OIL & SEDIMENT SEPARATOR DRAIN
FCO	JOSAM	55000-SS-SD-41-VP-Z	N/A	2
GCO	JOSAM	55001-SD-41-VP-Z	N/A	2

PLUMBING FIXTURE ROUGHING-IN SCHEDULE

	PLUMBING LIXIU	NE NOOGI IIING-IIN SCI	ILDUL	L				
					PIPE SIZE			
TAG	FIXTURE	HEIGHT A.F.F.	COLD WATER	TEPID WATER	HOT WATER	VENT	SOIL WASTE	NOTES
LA-1	LAVATORY - (ACCESSIBLE) MANUAL	RIM AT 34" ABOVE FINISHED FLOOR	1/2"	N/A	1/2"	1-1/2"	2"	1,3
MB-1	MOP BASIN (32"x32")	FLOOR MOUNTED	3/4"	N/A	3/4"	2"	3"	
SH-1	SHOWER (ACCESSIBLE)	CONTROLS AT 48" SHOWERHEAD AT 48" & 72"	1/2"	N/A	1/2"	1-1/2"	2"	1, 3
SK-1	SINK (SINGLE COMPARTMENT)	COUNTER MOUNTED	1/2"	N/A	1/2"	1-1/2"	2"	1
SK-2	SINK - UTILITY	FLOOR MOUNTED	1/2"	N/A	1/2"	1-1/2"	2"	1
WC-1	FLOOR MOUNTED WATER CLOSET - (ACCESSIBLE) MANUAL	TOP OF SEAT 17-19"	1"	N/A	N/A	2"	4"	1, 2
WH-1	WALL HYDRANT (FREEZE RESISTANT BOX)	18" ABOVE FINISHED GRADE OR ROOF	3/4"	N/A	N/A	N/A	N/A	
WSB-1	WATER SUPPLY BOX (ICE MAKER)	BOTTOM 24" ABOVE FINISHED FLOOR	1/2"	N/A	N/A	N/A	N/A	

1. THIS ACCESSIBLE FIXTURE, ACCESSORIES, AND INSTALLATION SHALL COMPLY TO ANSI A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES STANDARDS. 2. LOCATE FLUSH ACTUATORS ON WIDE SIDE OF STALLS OR APPROACH AREAS.

3. PROVIDE ASSE 1016 CERTIFIED MIXING VALVE.

		В	ACKFLOW PR	EVENT	ER SCI	HEDULE		
TAG	BASIS OF	DESIGN	LOCATION	SYSTEM	SIZE	DESIGN FLOW	PRESSURE	NOTES
170	MANUFACTURER	MODEL	LOCATION	OTOTEW	SIZE	RATE (GPM)	DROP (PSI)	NOTES
BFP-1	-1 WATTS LF919QT		MECHANICAL Z110	DCW	2.00	43.00	12.00	1

GENERAL DATA	1
PLUMBING GENERAL	DATA
Item	Value
SERVICE SIZING	
INSTANTANEOUS DEMAND (GPM)	34
SUPPLY FIXTURE UNITS (SFU)	18
DRAINAGE FIXTURE UNITS (DFU)	14
STORM DRAINAGE AREA OF ROOF (SQUARE FEET)	NA
AREA OF WALL ABOVE/ADJACENT TO ROOF	NA
(SQUARE FEET)	
	NA
(SQUARE FEET)	NA
(SQUARE FEET) TOTAL ROOF DRAINAGE (SQUARE FEET)	NA 1
(SQUARE FEET) TOTAL ROOF DRAINAGE (SQUARE FEET) WATER HEATERS	

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 WORLD
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

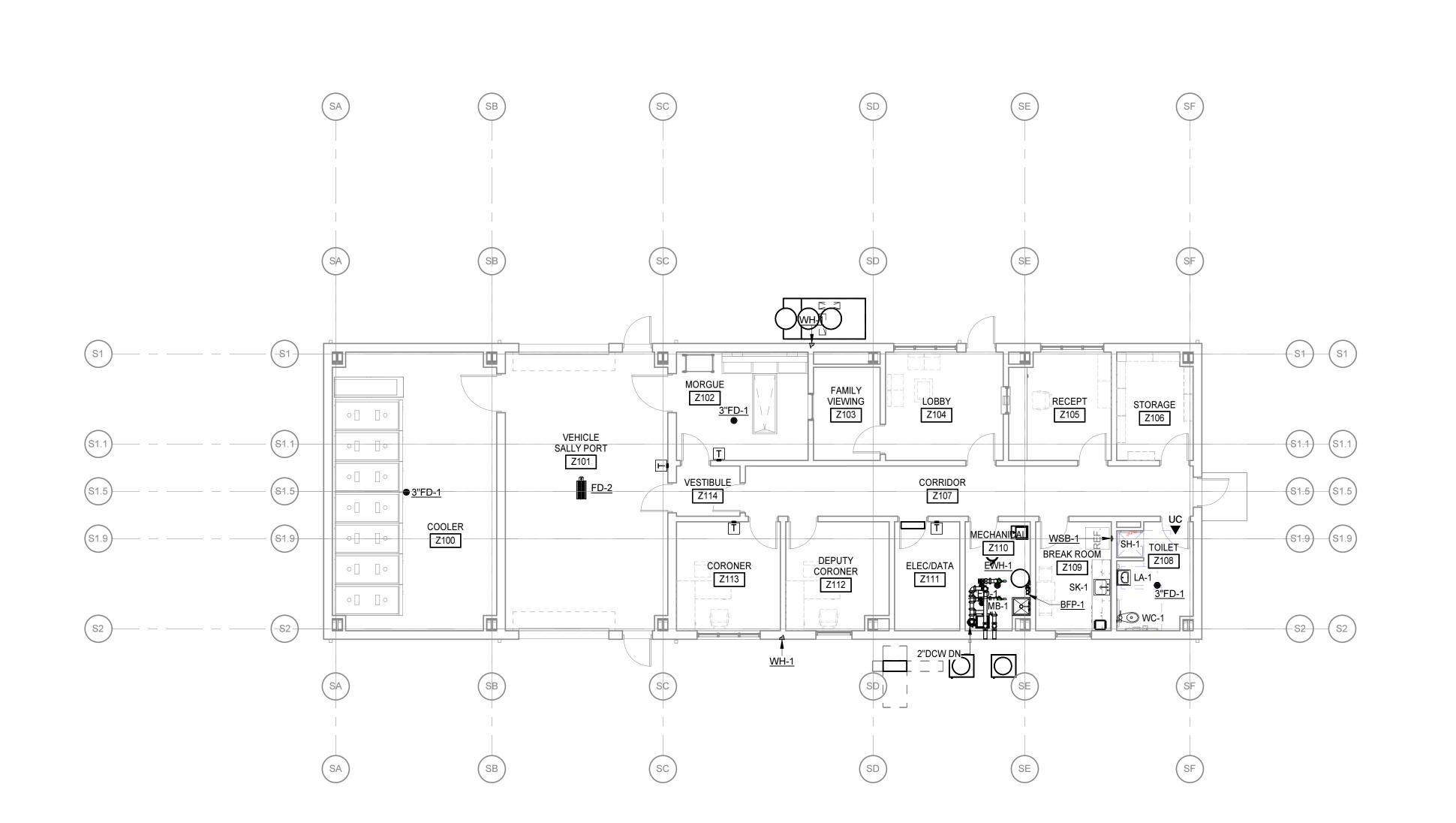
E. REFER TO DRAWINGS FROM EACH DISCIPLINE BEFORE ROUGHING-IN PLUMBING F. OBTAIN DIMENSIONS AND ROUTING IN FIELD BEFORE INSTALLATION OF PLUMBING AND

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

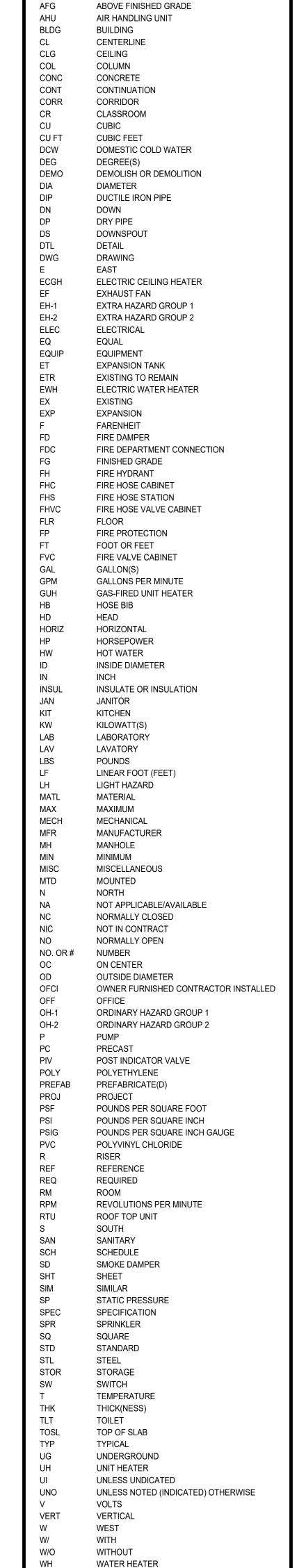
D4 0

FLOOR PLAN



FIRE PROTECTION RISER DETAIL

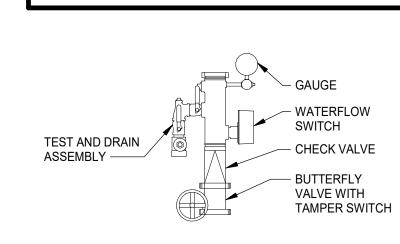
FP2.1.1 FP0.1 1/4" = 1'-0"



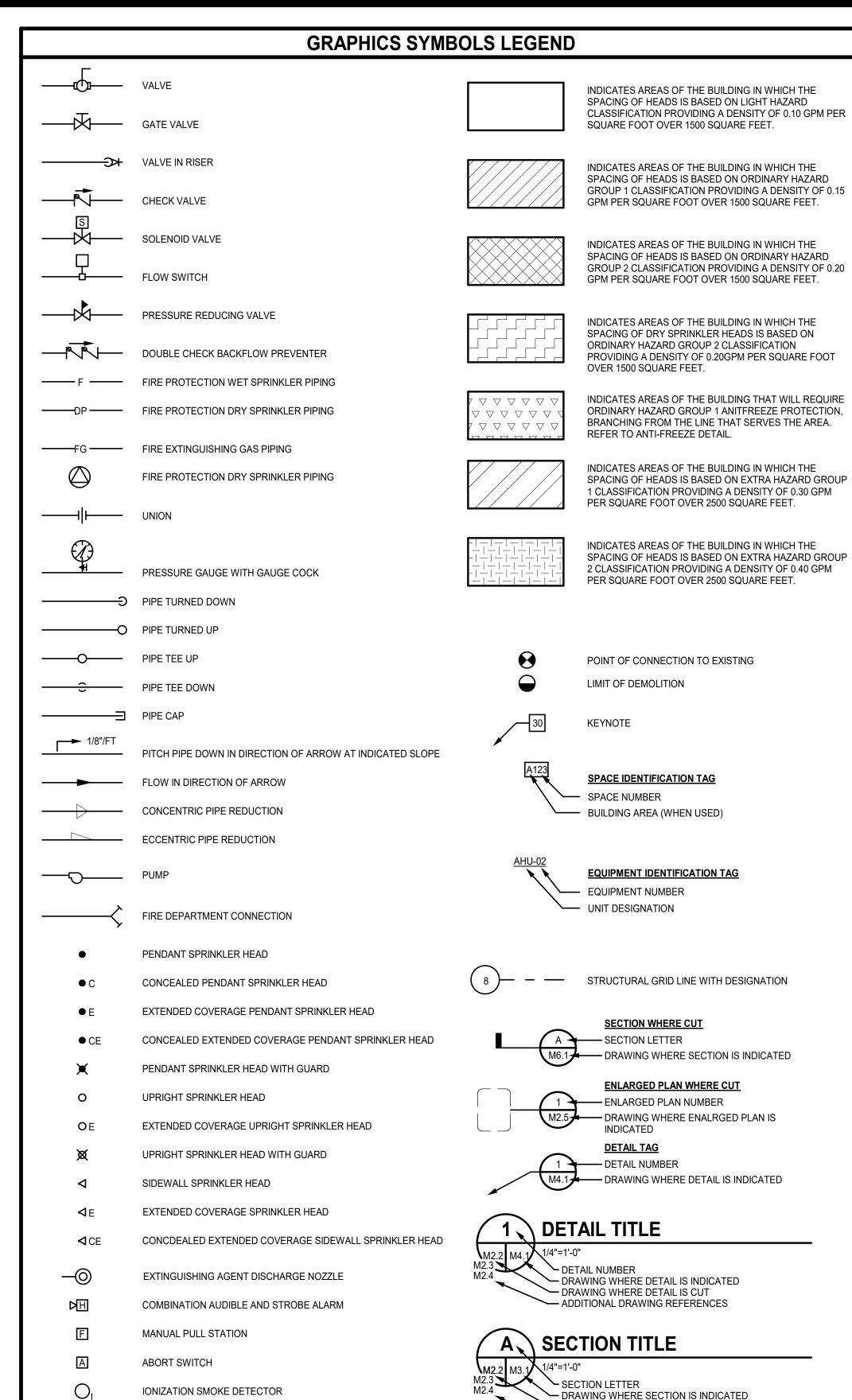
ABBREVIATIONS

ABOVE FINISHED FLOOR

ABOVE



FIRE PROTECTION ZONE CONTROL



GENERAL NOTES

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.

COORDINATE THE LOCATION OF ALL SPRINKLER PIPING WITH THE WORK OF OTHER TRADES. SPRINKLER PIPING SHALL NOT BE INSTALLED WHERE ITS LOCATION INHIBITS ACCESS TO EQUIPMENT ABOVE THE CEILING, FILTER ACCESS OR INFRINGES UPON CLEARANCES DICTATED BY THE NATIONAL ELECTRIC CODE.

VERIFY DIMENSIONS AND ROUTING IN FIELD BEFORE FABRICATION OF PIPING AND FIXTURES.

PHOTOELECTRIC SMOKE DETECTOR

REFER TO THE LIFE SAFETY PLAN FOR LOCATIONS OF FIRE AND SMOKE SEPARATION ASSEMBLIES. REFER TO STRUCTURAL DRAWINGS FOR DETAILS AND MAXIMUM SPACING REQUIREMENTS REGARDING HANGER ATTACHMENTS TO STEEL BAR JOISTS.

PROVIDE A COMPLETE WET PIPE SPRINKLER SYSTEM THROUGHOUT THE BUILDING IN ACCORDANCE WITH 2018 VIRGINIA BUILDING CODE, 2016 NFPA 13 AND ALL OTHER REQUIREMENTS SET FORTH BY LOCAL AUTHORITY HAVING JURISDICTION. INSTALLATION DRAWINGS SHALL BE PREPARED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF SOUTH CAROLINA OR BY A NICET LEVEL III OR IV DESIGNER CERTIFIED IN THE FIELD OF WATER BASED SYSTEMS LAYOUT.

PIPE ALL SYSTEM DRAINS TO AN APPROVED LOCATION ON THE OUTSIDE PERIMETER OF BUILDING. DO NOT DISCHARGE DRAIN INTO A JANITORS SINK WITHOUT APPROVAL FROM PLUMBING ENGINEER.

DESIGN FLOW DATA

THE FOLLOWING DATA SHALL BE USED FOR BID PURPOSES ONLY. CONFIRM DATA PRIOR TO CALCULATING PIPE SIZES:

LOCATION OF TEST: STATIC PRESSURE:

DATE OF TEST:

RESIDUAL PRESSURE: FLOW AT TIME OF TEST:

SPRINKLER HEADS

IN SUSPENDED ACOUSTICAL CEILINGS: PROVIDE RECESSED, QUICK RESPONSE. GLASS BULB PENDENT TYPE SPRINKLERS w/ CHROME FINISH AND MATCHING

FOR HORIZONTAL SIDEWALL APPLICATIONS: PROVIDE RECESSED, QUICK RESPONSE, GLASS BULB TYPE SPRINKLERS w/ CHROME FINISH AND MATCHING

The Drawing where section is cut

ADDITIONAL DRAWING REFERENCES

IN EQUIPMENT, STORAGE AND OTHER SIMILAR ROOMS WITHOUT SUSPENDED CEILINGS: PROVIDE STANDARD UPRIGHT, QUICK RESPONSE, QUICK RESPONSE w/

IN AREAS SUBJECT TO FREEZING TEMPERATURES SUPPLIED BY WET PIPE SPRINKLER SYSTEM; PROVIDE QUICK RESPONSE, FUSIBLE LINK TYPE DRY TYPE SPRINKLERS.

PROVIDE INTERMEDIATE TEMPERATURE SPRINKLERS WHEN INSTALLED 2'-6" OR LESS TO AN HAVC SUPPLY DIFFUSER IN CEILINGS AS REQURIED BY NFPA 13 TABLE 8.3.2.5(a)ITEM (C) FOR HORIZONTAL DISCHARGE.

INSTALL SPRINKLERS IN CENTER OF ACOUSTICAL TILE CEILING PANELS.

LEGENDS, **ABBREVIATIONS AND**

COUNTY SOUTH

ETOWN (

1315 ORGI

9 0 0

SEPTEMBER 15, 20

REVISIONS

DATE DESCRIPTION

PROGRESS

PRINT NOT FOR

CONSTRUCTION

0

S

Z

0

0

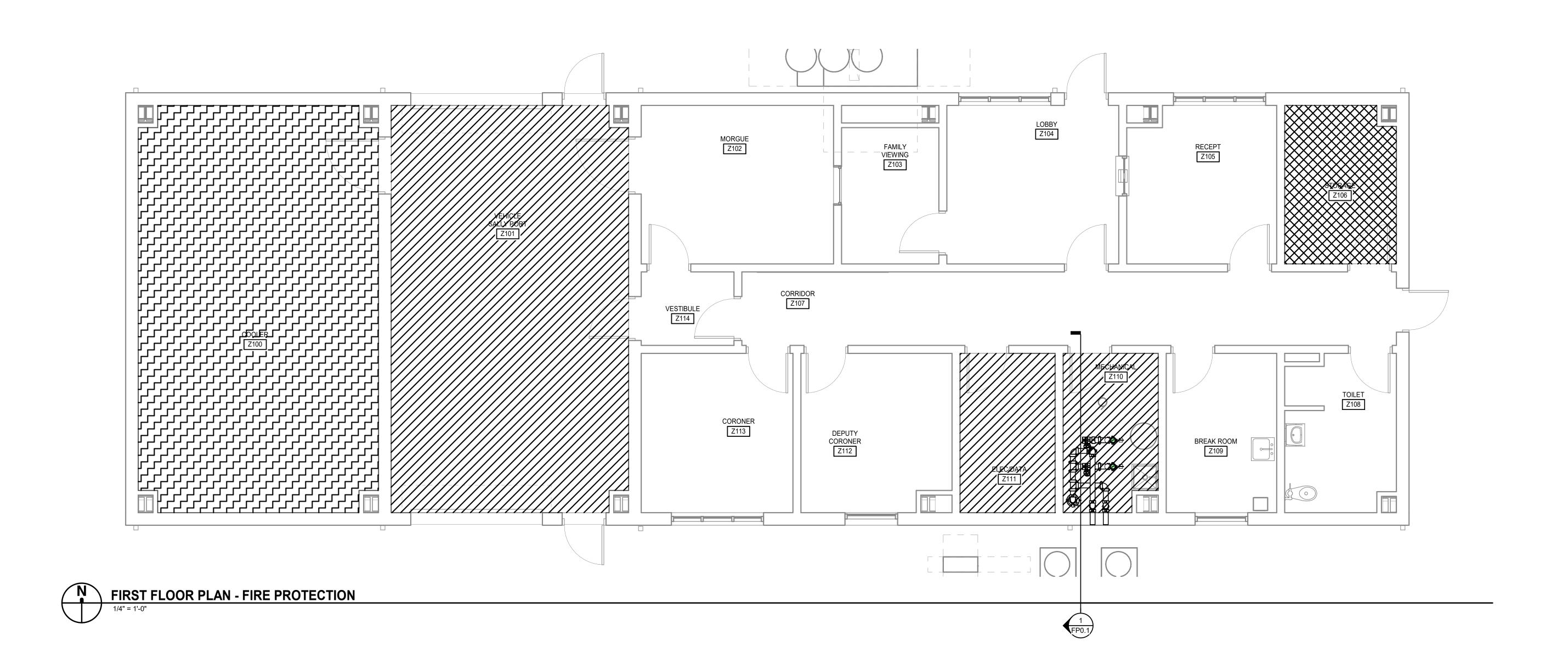
N O N

0

PROJECT NO: 611315

GENERAL NOTES

FP2.1.



PROJECT NO: 611315

0

DATE DESCRIPTION

ABBREVIATIONS AND **GENERAL NOTES**

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 TERMINAL UNIT UH UNIT HEATER WSHP WATER-SOURCE HEAT PUMP

CONTROLS ABBREVIATIONS AIRFLOW

ANALOG INPUT TO CONTROLLER ALARM ALM AIRFLOW MEASURING STATION ANALOG OUTPUT FROM CONTROLLER ATS AVERAGING TEMPERATURE SENSOR BAS BUILDING AUTOMATION SYSTEM BINARY INPUT TO CONTROLLER BINARY OUTPUT FROM CONTROLLER CARBON DIOXIDE SENSOR CURRENT-SENSING RELAY DAMPER MOTOR DIFFERENTIAL PRESSURE DIFFERENTIAL PRESSURE TRANSMITTER FLOW METER FREEZESTAT **HUMIDITY SENSOR** POS POSITION RELAY

SMOKE DETECTOR

TEMPERATURE SENSOR

VARIABLE-FREQUENCY DRIVE

START/STOP

STATUS

SPD

SS

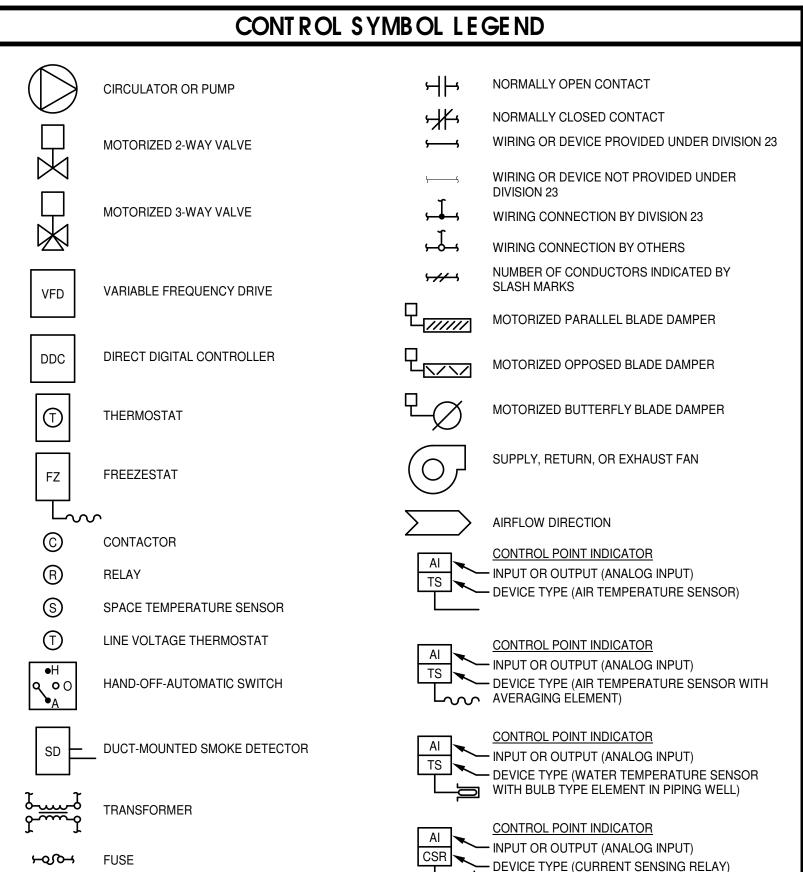
STS

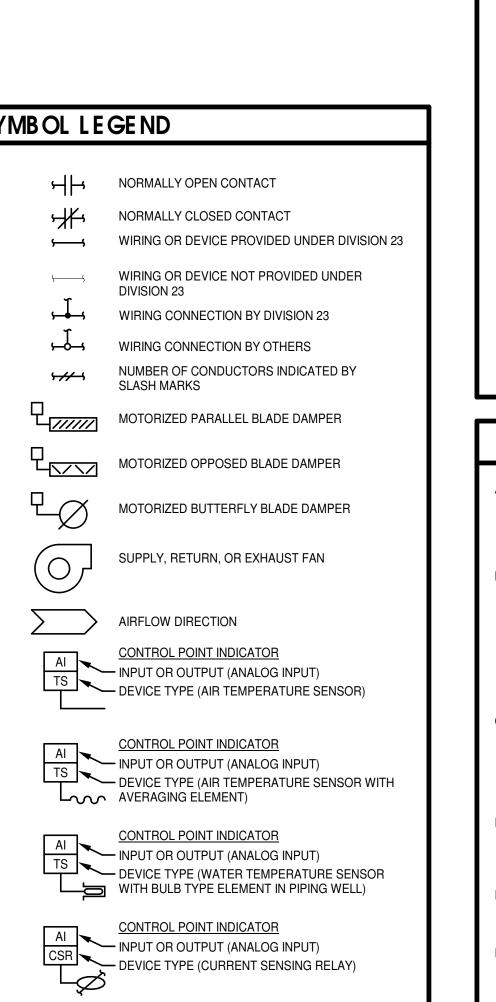
ABBREVIATIONS AMPERE(S) ACCESS DOOR ABOVE FINISHED FLOOR ALTERNATE AIR PRESSURE DROP BRAKE HORSEPOWER BRITISH THERMAL UNITS PER HOUR CUBIC FEET PER MINUTE CFM CHWR CHILLED WATER RETURN CHWS CHILLED WATER SUPPLY COOLING COM COMMON CONDENSER WATER RETURN CONDENSER WATER SUPPLY CWS DRAIN DRY BULB TEMPERATURE A-WEIGHTED DECIBELS DCW DOMESTIC COLD WATER DIAMETER DOWN DRAWING DWG EXHAUST AIR ENTERING AIR TEMPERATURE **ENERGY EFFICIENCY RATIO** EXTERNAL STATIC PRESSURE ENTERING WATER TEMPERATURE EXISTING DEGREES FAHRENHEIT FAIL CLOSED FIRE DAMPER FULL LOAD AMPS FAIL OPEN FEET PER MINUTE FOOT, FEET GAUGE GALLON(S) GALLONS PER HOUR GPM GALLONS PER MINUTE HORSEPOWER **HPWR** HEAT PUMP WATER RETURN **HPWS** HEAT PUMP WATER SUPPLY HEATING HOT WATER RETURN HOT WATER SUPPLY HEAT EXCHANGER HERTZ INCH INTEGRATED PART-LOAD VALUE KILOWATT(S) LEAVING AIR TEMPERATURE POUNDS LEAVING WATER TEMPERATURE MAX MAXIMUM ONE THOUSAND BTUH MCA MINIMUM CIRCUIT AMPACITY MANUFACTURER MINIMUM MOCP MAXIMUM OVERCURRENT PROTECTION MOD MOTOR-OPERATED DAMPER NORMALLY CLOSED (FOR PLANS, DETAILS) NOISE CRITERIA (FOR SCHEDULES) NOT IN CONTRACT NORMALLY OPEN OUTSIDE AIR ON CENTER OWNER FURNISHED CONTRACTOR INSTALLED POUNDS PER SQUARE INCH GAUGE RETURN AIR REFRIGERANT DISCHARGE RELATIVE HUMIDITY REFRIGERANT LIQUID REVOLUTIONS PER MINUTE REFRIGERANT SUCTION SUPPLY AIR SEASONAL ENERGY EFFICIENCY RATIO TRANSFER DUCT **TYPICAL** UNLESS NOTED (INDICATED) OTHERWISE VOLTAGE, VOLTS **VOLUME DAMPER** VARIABLE FREQUENCY DRIVE WITH WITHOUT WET BULB TEMPERATURE WATER COLUMN WATER PRESSURE DROP

GENERAL NOTES

. 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.

. PROVIDE RECTANGULAR TO ROUND TRANSITION TO CONNECT FLEXIBLE DUCTWORK TO DIFFUSERS OR GRILLES WITH SQUARE OR RECTANGULAR NECK. 3. PIPE SIZES FOR CHILLED AND HEATING HOT WATER ARE SHOWN FOR THE SUPPLY OR RETURN PIPING. PARALLEL RUNS OF CHILLED AND HEATING HOT WATER PIPING ARE THE SAME SIZE AS THE ADJACENT PIPE OF THE SAME SYSTEM.





WELDED WIRE MESH

PRESSURE REDUCING VALVE LIQUID FILLED THERMOMETER TRIPLE DUTY VALVE STRAINER WITH BLOWDOWN VALVE AND 3/4" HOSE END CONNECTION PRESSURE-RELIEF VALVE FLEXIBLE PIPE CONNECTOR TWO-WAY CONTROL VALVE THREE-WAY CONTROL VALVE DIRECTION OF FLOW

PIPING LEGEND

VALVE

GRAPHIC SYMBOL LEGEND

SPACE TAG

SPACE NAME

SPACE NUMBER

EQUIPMENT TAG

EQUIPMENT NUMBER

SCHEDULE

DETAIL TAG

M5.1 P DRAWING WHERE DETAIL IS INDICATED

EXISTING TO BE REMOVED

RECTANGULAR DUCT (FIRST

ROUND DUCT SIZE

FABRIC DUCT

FLAT OVAL DUCT SIZE

FLEXIBLE DUCTWORK

FLEXIBLE CONNECTOR

DUCT WITH DUCT LINER

DUCT WITH END CAP

SUPPLY DIFFUSER

LIMIT OF DEMOLITION

DOOR UNDERCUT

DOOR LOUVER

SENSOR WELL

END OF LINE CLEANOUT PLUG

CLEANOUT PLUG

SUPPLY AIRFLOW ARROW

RETURN OR EXHAUST GRILLE

DUCT ACCESS DOOR

DUCT-MOUNTED SMOKE DETECTOR

LINEAR SLOT DIFFUSER, LENGTH AS INDICATED

LINEAR BAR GRILLE, LENGTH AS INDICATED

SUPPLY DIFFUSER WITH DIRECTIONAL BLOW,

SOLID HATCH INDICATES BLANK OFF PANEL

POINT OF CONNECTION TO EXISTING

RETURN OR EXHAUST AIRFLOW ARROW

PRESSURE GAUGE WITH GAUGE COCK

DOUBLE WALL, EXPOSED DUCT

18/12

∕18ø<

(SD)

DIMENSION REFERS TO SIDE VIEWED)

1 TOTAL NUMBER

325 AIRFLOW (CFM)

EQUIPMENT ABBREVIATION

DIFFUSER, GRILLE OR REGISTER TAG

TAG, REFER TO DIFFUSER, GRILLE AND REGISTER

STRUCTURAL GRID LINE WITH DESIGNATION

- BUILDING "PART" NUMBER

IN MULTI-PART BUILDING

DETAIL TITLE

SECTION TITLE

DRAWING WHERE DETAIL IS INDICATED

ADDITIONAL DRAWING REFERENCES

DRAWING WHERE DETAIL IS REFERENCED

DRAWING WHERE SECTION IS INDICATED

— ADDITIONAL DRAWING REFERENCES

SECTION CALLOUT

1 ENLARGED PLAN NUMBER

INDICATED

1 SECTION NUMBER

→ DRAWING WHERE SECTION IS REFERENCED

M4.1 — DRAWING WHERE SECTION IS INDICATED

ENLARGED PLAN CALLOUT

MECHANICAL EQUIPMENT WITH REQUIRED

DRAWING WHERE ENLARGED PLAN IS

SERVICE CLEARANCE INDICATED

MANUAL BALANCING DAMPER IN DUCT

COMBINATION FIRE/SMOKE DAMPER IN DUCT

FIRE DAMPER WITH SECURITY BARS IN DUCT

SMOKE DAMPER WITH SECURITY BARS IN DUCT

SMOKE CONTROL MANUAL BALANCING DAMPER IN DUCT

SMOKE CONTROL MOTORIZED DAMPER IN DUCT

COMBINATION FIRE/SMOKE DAMPER WITH

FIRE DAMPER IN DUCT

SMOKE DAMPER IN DUCT

SECURITY BARS IN DUCT

SECURITY BARS IN DUCT

DUCT WITH ACCESS PANEL

RETURN AIR DUCT SECTIONS

EXHAUST AIR DUCT SECTIONS

THERMOSTAT, LINE VOLTAGE

THERMOSTAT, LOW VOLTAGE

TEMPERATURE SENSOR

CARBON DIOXIDE SENSOR

MANUAL BALANCING VALVE WITH FLOW TAPS

SWING CHECK VALVE

AUTOMATIC BALANCING VALVE WITH FLOW TAPS

CARBON MONOXIDE SENSOR

SMOKE DETECTOR

HUMIDITY SENSOR

SUPPLY/MAKEUP AIR DUCT SECTIONS

MOTORIZED DAMPER IN DUCT

M2.2 M5.1 1/4"=1'-0"

 $M2.2 M4.1 \times 1/4 = 1'-0"$

-

DUCTWORK LEGEND

.3 DETAIL NUMBER

3 SECTION NUMBER

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

B. DRAWINGS ARE DIAGRAMMATIC AND INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY, DO NOT SCALE DRAWINGS, LOCATIONS OF ALL ITEMS 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.

:. 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

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

STRUCTURE WITH GENERAL CONSTRUCTION WORK.

. 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

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.

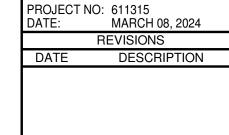
ELEVATION INDICATED FOR ROUND DUCTWORK AND PIPING IS TO CENTERLINE. N. BRANCH PIPING RUNOUTS TO TERMINAL UNITS SHALL BE 3/4" DIAMETER UNLESS INDICATED OTHERWISE.

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

KEYNOTES APPLIES TO THIS DRAWING REPRESENTED BY

1. EXTEND 3/4" DIAMETER CONDENSATE PIPE TO MECHANICAL ROOM FLOOR DRAIN.

2. PROVIDE HOODED WALL VENT WITH SCREEN AND BACKDRAFT DAMPER, FAMCO MODEL RDWVG (BASIS OF DESIGN) OR EQUIVALENT.



FLOOR PLAN & **SCHEDULES**

_____ LOBBY Z104 COOLER Z100 VESTIBULE Z114 VEHICLE SALLY PORT DEPUTY CORONER Z112 BREAK ROOM 12x12—

FIRST FLOOR PLAN - DUCTWORK

		FAN SCHEDULE														
					AIRFLOW	ESP	FAN WHEEL				MOTOR	ELE	CTRICAL D	ATA	WEIGHT	
TAG	MANUFACTURER	MODEL NUMBER	SERVING	TYPE	(CFM)	(IN WC)	(RPM)	DRIVE TYPE	SONES	CONTROL METHOD	(HP)	(V)	(PH)	(HZ)	(LBS)	NOTES
EF-1	GREENHECK	CSP-A190	TOILET ROOM	IN-LINE	175	0.25	1400	DIRECT	2	CORRIDOR Z107 LIGHT SWITCH	1/4	120	1	60	16	1,2
2. PROVI 3. FACTO		SCONNECT SWITCH, GR. CH, BUILT IN THERMAL O	AVITY BACKDRAFT DAMPER, SPEE VERLOAD PROTECTION, ROOF CU				ONTROL INTERLO	OCK. VARIABLE S	SPEED FAN, V	FD'S IN KITCHEN HOOD CONTROL PA	CKAGE.					

				SPLIT	SYSTEM HEA	AT PUMP IND	OOR UN	IIT WIT	HELE	ECTRIC H	EAT SCH	IEDULE							
							COOLING			HEAT	TING			ELE	CTRICA	AL DATA			
							SENSIBLE	INDOOR E	EAT (°F)		INDOOR	ELECTRIC				SERVICE			
	SUPPLY AIR	OUTSIDE AIR	ESP			TOTAL CAPACITY	CAPACITY			CAPACITY	EAT DB	HEAT	MCA	MOCP				WEIGHT	
TAG	(CFM)	(CFM)	(IN WC)	MANUFACTURER	MODEL NUMBER	(BTUH)	(BTUH)	DB	WB	(BTUH)	(°F)	(kW)	(A)	(A)	V	PH	HZ	(LBS)	NOTE
AHU-1	525	65	8.0	TRANE	GAM5A0A18M11SA	17600	13200	80.0	67.0	17000	70.0	3.6	25.0	25	208	1	60	120	1,2,3,
AHU-2	525	50	0.8	TRANE	GAM5A0A18M11SA	17600	13200	80.0	67.0	17000	70.0	3.6	25.0	25	208	1	60	120	1,2,3,

1. SCROLL COMPRESSORS, HIGH & LOW PRESSURE SWITCHES. SOLID STATE HEAD PRESSURE CONTROL (FAN SPEED). LOW AMBIENT CONTROL.
2. EVAPORATOR FREEZE STAT & ISOLATION RELAY. CRANKCASE HEATER, START ASSIST RELAY, EXTERNAL SERVICE VALVES, TXV, SHORT CYCLE PROTECTION, BI-FLOW REFRIGERANT FILTER DRYER
3. OUTDOOR THERMOSTAT FOR STRIP LOCKOUT, SINGLE POINT AHU POWER CONNECTION, TOTALLY ENCLOSED BALL BEARING OUTDOOR FAN MOTOR.
4. DISCONNECT SWITCH PROVIDED BY DIVISION 26.

6. MANUFACTURERS DISCONNECT SWITCH, END SWITCH, MOTORIZED DAMPER, WALL HOUSING, MOTOR GUARD, GREENHECK LOUVER MODEL EDJ-430, VARI-GREEN MOTOR.

SPLIT SYSTEM OUTDOOR UNIT SCHEDULE														
			AMBIENT AIR		ELE	CTRIC	CAL DATA							
			TEMPERATUR				SERVICE							
		MODEL	<u>E</u>	MCA	MOCP					WEIGHT				
TAG	MANUFACTURER	NUMBER	(℉)	(A)	(A)	V	PH	HZ	REFRIGERANT	(LBS)				
HP-1	TRANE	4TWR4018	95.0	12	20	208	1	60	R-410A	161				
HP-2	TRANE	4TWR4018	95.0	12	20	208	1	60	R-410A	161				

5. FAN CONTROLLED BY WALL MOUNTED TWIST TIMER, 0-30 MINUTE RANGE WITH LABEL INDICATING ROOM FAN CONTROL.

				DUCTLES	S SPLIT S	YSTEM INDO	OR UNIT	T SCHI	EDUL	E.						
							SENSIBLE	INDOOR E	EAT (℉)		ELE	CTRICAL D	ATA			
		SUPPLY AIR			MODEL	TOTAL CAPACITY	CAPACITY			MCA	MOCP	S	ERVICE		WEIGHT	
TAG	LOCATION	(CFM)	ESP (IN WC)	MANUFACTURER	NUMBER	(BTUH)	(BTUH)	DB	WB	(A)	(A)	V	PH	HZ	(LBS)	NOTES
DSS-1	DATA	420	0.3	MITSUBISHI	PKA-A18HA7	17200	12728	80	67	1.0	15	208	1	60	29	1,2,3,4

NOTES (APPLY TO DSS AND CU UNITS): 1. CAPACITY BASED ON INDOOR AND OUTDOOR UNITS OPERATING TOGETHER WITH AN OUTSIDE AMBIENT AIR TEMPERATURE OF 95°F SUMMER, 47°F WINTER. ENTERING AIR TEMP COOLING: 80/67, ENTERING AIR TEMP WINTER: 70°F SET THERMOSTAT TO 75F COOLING AND 70F HEATING.

2. UNIT TO HAVE R-410A. REFRIGERANT PIPING BETWEEN THE INDOOR AND OUTDOOR UNIT SHALL BE SIZED BY AC-UNIT MANUFACTURER. ALL VALVES AND FITTINGS REQUIRED TO COMPLY WITH AC-UNIT MANUFACTURERS RECOMMENDATIONS FOR "LONG LINE" APPLICATION IF NECESSARY. INDOOR UNIT DOWNS ON THE OWN OF THE PROPERTY OF POWERED BY OUTDOOR UNIT VIA CONNECTING CABLE. 3. INCLUDE THE FOLLOWING OPTIONS: LOW AMBIENT CONTROLLER, CRANKCASE HEATER, WINTER START KIT, ISOLATION RELAY, HIGH AND LOW PRESSURE SWITCHES, DISCONNECT SWITCHES PROVIDED BY DIV 26. 4. HIGH WALL REMOTE THERMOSTAT.

	D	UCTLESS	SPLIT SY	STEM OU	JTD	OOR	UN	IT SCHE	DUI	_E	
				AMBIENT AIR		ELE	ECTRI	CAL DATA			
				TEMPERATURE	MCA	MOCP		SERVICE			WEIGHT
TAG	MANUFACTURER	MODEL NUMBER	LOCATION	(°F)	(A)	(A)	V	PH	HZ	REFRIGERANT	(LBS)
CU-1	MITSUBISHI	PUZ-A18NKA7	EXTERIOR	95.0	13	15	208	1	60	R-410A	99

INCLUDE OPPOSED BLADE DAMPER, ACCESSIBLE THROUGH GRILLE WHERE AVAILABLE.
 PROVIDE WITH AIR EXTRACTOR.

GRILLE, REGISTER, & DIFFUSER SCHEDULE

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.

													DEL	ICATED OU	ISIDE AIR U	INII VVIII	ENTHALFT	WHEEL SCHE	DOLE (ELE	STRIC REAT)														
							SUPPLY FAN						EX	HAUST FAN					ENTHALI	PY WHEEL				CO	OLING COI	L		ELECTI	RIC HEATING C	OIL	ELECTRICA	AL DATA			
							WHEEL			OUTCIDE	LINIT			WHEEL					OUTDO	OOR AIR						AT TA	LAT						7		
										OUTSIDE AIR	UNIT PRESSURIZATI				1			SL	MMER		WINTI	ER													
					DESIGN			FAN	MOTOR	DEISGN	ON	DESIGN			FAN	MOTOR	DESIGN	EAT	LAT	E	AT	LAT	TOTAL	SENSIBLE											
		MODEL			AIRFLOW	ESP		SPEED	SIZE	AIRFLOW	DIFFERENTIAL	AIRFLOW	ESP		SPEED	SIZE	AIRFLOW	(°F (°F	(℉	(°F (°F	(℉		CAPACITY	CAPACITY				CAPACITY	EAT	LAT				WEIGHT	í
.G	MFR	NUMBER	SERVING	LOCATION	(CFM)	(IN WC)	TYPE	(RPM)	(HP)	(CFM)	(CFM)	(CFM)	(IN WC)	TYPE	(RPM)	(HP)	(CFM)	DB) WE) DB) '	ŴB) DB)	WB) (°F	F DB)	(BTUH)	(BTUH)	(°F DB)	(°FWB)	(°F DB) (°F WB	(KW)	(°F)	(°F)	(V) (PI	H) (HZ)	MCA MO	CP (LBS)	N
\S-1	DAIKIN	DPS003A	MORGUE	EXTERIOR	800	1.00	AF	1599	2.5	800	50	750	0.50	AF	1664	4.0	800	95.0 75.	80.3	66.2 7.0	5.0 5	51.8 39.4	33835	24079	79.6	65.7	51.3 51.2	6.0	45.9	89.8	208 3	60	41 A 45	A 1359	

ARCHITECTS

OFFICE **ORONER'S**

- PROVIDE FLOAT SWITCH/MOISTURE SENSOR. SENSOR

SHALL DISABLE UNIT

STEEL CHANNEL SUPPORT ——

(P1000 UNISTRUT OR EQUAL)

── 3/8" THREADED ROD

─ ELASTOMER

BUSHING

WASHER

- SECURE ROD TO

UNISTRUT WITH

DOUBLE NUTS

TO STRUCTURE

TYP OF 4

ON DETECTION OF

MOISTURE

18 GAUGE GALVANIZED —

STEEL, LAP CORNERS

AND WELD SOLID TO

PROVIDE WATERTIGHT CONSTRUCTION.

NOTE: EXTEND DRAIN PAN A MINIMUM OF

AUXILIARY DRAIN PAN MOUNTING DETAIL

3" PAST EQUIPMENT ON ALL SIDES.

611315 GEORGETOWN COUNTY GEORGETOWN, SOUTH CAROLINA

ORGE PROJECT NO: 611315 DATE: MARCH 08, 2024

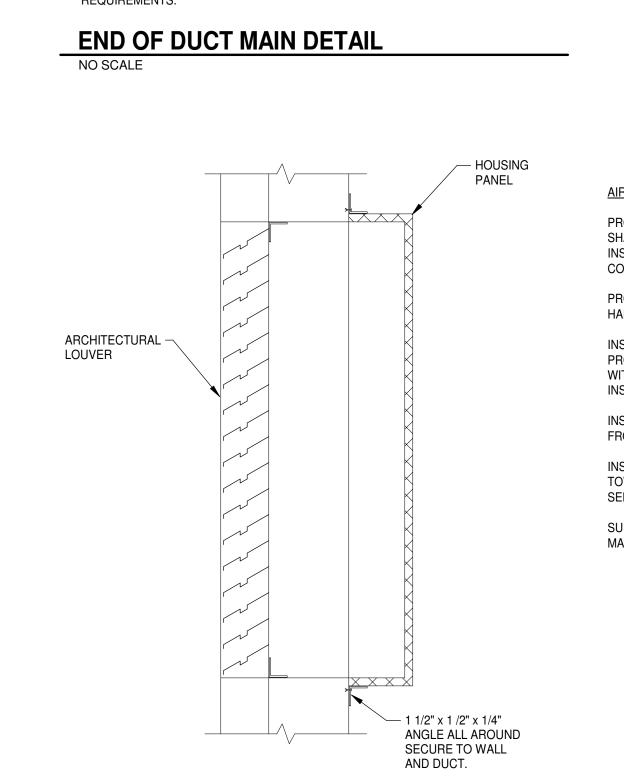
REVISIONS DESCRIPTION

- PRE-INSULATED FLEXIBLE DUCT - ANCHOR CONDENSING - INSULATION JOINT. PLACE UNIT TO PAD PER THE ON SIDE OF DUCT. - FIELD-PROVIDED 4" DUCT COLLAR OR MANUFACTURER'S FACTORY-PROVIDED BEADED NECK RECOMMENDATIONS EXTENSION FROM DIFFUSER VAPOR-RETARDER MASTIC **CONDENSING UNIT** MANUFACTURER. ATTACH WITH MINIMUM — TAPE OF FOUR SHEET METAL SCREWS EVENLY SEMI-RIGID ELBOW - PRECAST LIGHWEIGHT 6" MINIMUM ALL SIDES DISTRIBUTED AROUND COLLAR. SUPPORT TO MAINTAIN REINFORCED CONCRETE 1.5D RADIUS -PAD A MINIMUM OF 3" - DIFFUSER BACKPAN INSULATION FINISHED GRADE -REFER TO SPECIFICATION SECTION 230700 FOR ADDITIONAL INFORMATION. FLEXIBLE DUCT TO DIFFUSER CONNECTION DETAIL **DUCT INSULATION JOINT DETAIL CONDENSING UNIT MOUNTING DETAIL** NO SCALE NO SCALE - DRAIN SHALL BE FULL SIZE ALL EXPOSED DUCTWORK AND PIPING OF DRAIN CONNECTION SHALL BE NOTED AS "EXPOSED" ON THE PLANS. - CAP OR PLUG, HAND - EQUIPMENT TIGHTEN, TYPICAL SLOPE TO NEAREST ROOF/FLOOR DRAIN UNACCEPTABLE ACCEPTABLE "BULL HEAD TEE" K = 1" FOR EACH 1" OF MAXIMUM NEGATIVE STATIC PRESSURE + 1" SYSTEM DUCT -~W3/4, 4" MINIMUM L = H + K + PIPE DIAMETER + INSULATION

UNACCEPTABLE

PIPE TEE CONFIGURATION DETAIL

"BULL HEAD TEE'



WALL LOUVER DETAIL

NOTE:

1. REFER TO BRANCH CONNECTION TO DIFFUSER DETAILS FOR BRANCH TAKE-OFF

INSULATION -

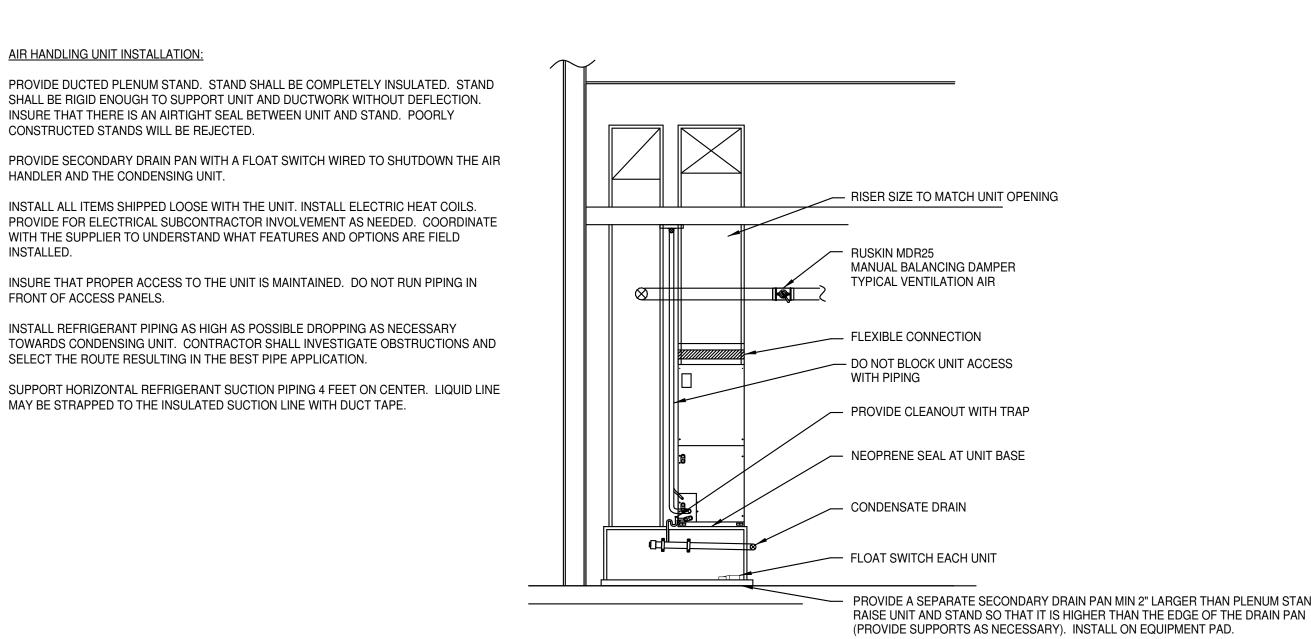
NO SCALE

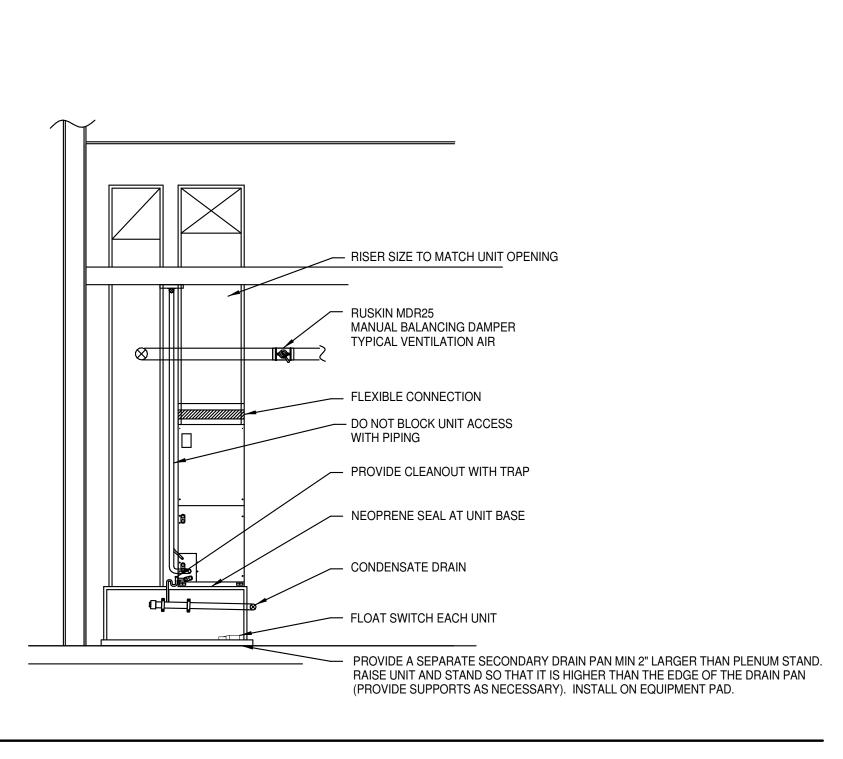
L = 12" OR 1/2 W1,

W2/4, 4" MINIMUM-

WHICHEVER IS GREATER

DUCT —





1. LOCATE TRAP AS CLOSE AS POSSIBLE TO UNIT

NEGATIVE PRESSURE

CONDENSATE DRAIN DETAIL

OUTLET WITH BOTTOM BELOW SUPPORT STRUCTURE.

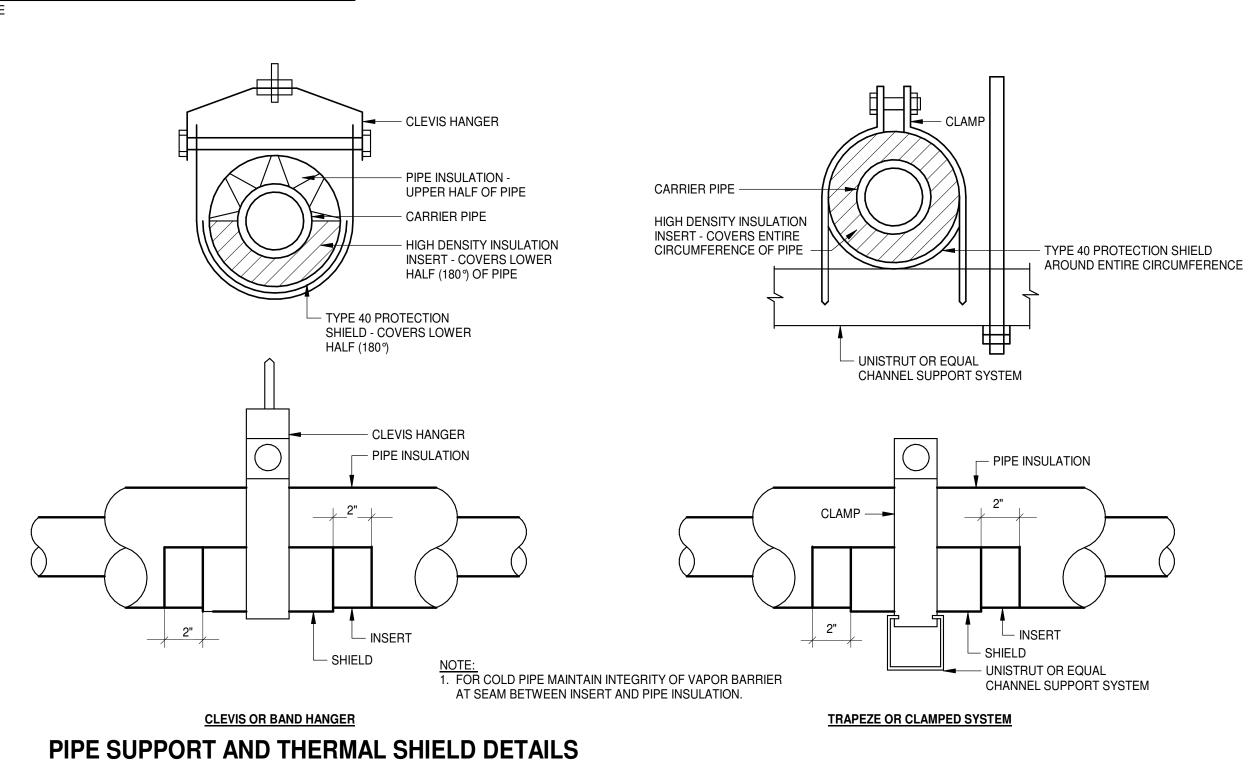
TO PROVIDE PROPER CONDENSATE DRAINAGE/TRAP HEIGHT.

CONDITIONS PREVENT INSTALLATION OF DEPTH INDICATED.

2. COORDINATE MOUNTING/CURB HEIGHT AS REQUIRED

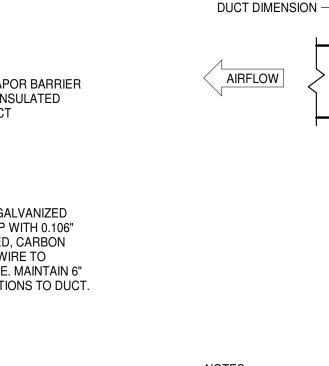
3. NOTIFY ARCHITECT BEFORE FABRICATION IF PHYSICAL

— ATTACH TO STRUCTURE

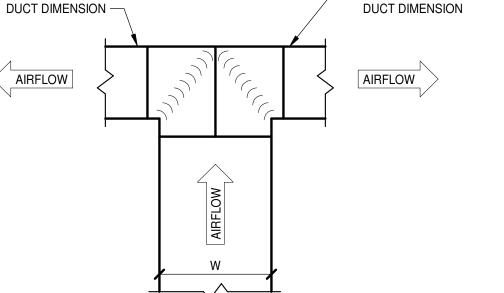




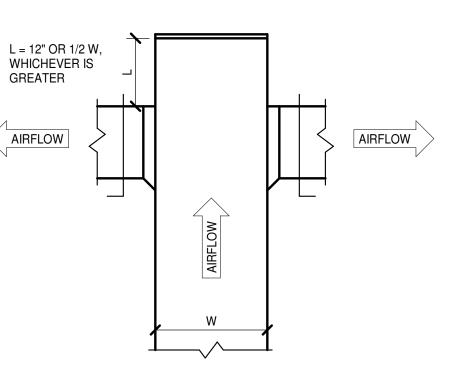
ACCEPTABLE



REFER TO FLOOR PLAN FOR



FLOOR PLAN FOR



1. APPLIES WHERE "W" EXCEEDS 24" OR WHEN AIRFLOW EXCEEDS 1,500 CFM.

1. REFER TO BRANCH CONNECTION TO DIFFUSER DETAILS FOR BRANCH TAKE-OFF REQUIREMENTS. APPLIES TO: A. WHERE "W" IS LESS THAN 24" B. ROUND DUCT BRANCHES TO DIFFUSERS C. WHEN AIRFLOW IS EQUAL TO OR LESS THAN 1,500 CFM.

DIVIDED FLOW BRANCH DETAILS

ON BOTH SIDES OF DUCT. MAINTAIN 6" CLEAR FROM CONNECTIONS TO DUCT. RECTANGULAR-TO-ROUND EXPANDED SIDE/HIGH-EFFICIENCY TAKE-OFF WITH DAMPER. DAMPER OPERATOR SHALL VOLUME DAMPER INCLUDE STANDOFF TO EXTEND HANDLE BEYOND SURFACE OF INSULATION. INSULATION SHALL NOT BE FLEXIBLE DUCT COMPRESSED AT DAMPER OPERATOR. —

- 1-1/2" WIDE, 10-GAGE, GALVANIZED

STEEL SUPPORT STRAP TO STRUCTURE

- MAINTAIN AIR-TIGHT VAPOR BARRIER AT TRANSITION FROM INSULATED RECTANGULAR-TO-ROUND EXPANDED DUCT TO FLEXIBLE DUCT SIDE/HIGH-EFFICIENCY TAKE-OFF WITH DAMPER. DAMPER OPERATOR SHALL INCLUDE FLEXIBLE DUCT STANDOFF TO EXTEND HANDLE BEYOND SURFACE OF INSULATION. INSULATION SHALL NOT BE COMPRESSED AT DAMPER OPERATOR. -1/2" WIDE, 20-GAGE, GALVANIZED STEEL SUPPORT STRAP WITH 0.106" DIAMETER ZINC-COATED, CARBON STEEL, SOFT TEMPER WIRE TO OVERHEAD STRUCTURE. MAINTAIN 6" CLEAR FROM CONNECTIONS TO DUCT. VOLUME DAMPER

- EQUIPMENT DUCT CONNECTION

COLLAR OR OPENING

NOTES:

1. FLEXIBLE DUCT SHALL BE INSTALLED OVER METAL DUCT (BEAD/LIP ON METAL DUCT) AND ANCHORED WITH NYLON MECHANICAL BANDS OR PANDUIT STRAP. 2. IN EXPOSED AREAS, PROVIDE RIGID GALVANIZED STEEL BRANCH DUCT TO DIFFUSERS IN LIEU OF FLEXIBLE DUCT UNLESS INDICATED OTHERWISE. SUPPORT IN ACCORDANCE WITH REQUIREMENTS SPECIFIED FOR METAL DUCTS.

FLEXIBLE CONNECTION —

SPLIT SYSTEM HEAT PUMP

NOTE: THIS DETAIL APPLIES TO ALL DUCT CONNECTIONS TO AIR

HANDLING UNITS AND FANS UNLESS OTHERWISE INDICATED

EQUIPMENT DUCT CONNECTION DETAIL

BRANCH CONNECTION TO DIFFUSER DETAILS

DETAILS

PROJECT NO: 611315 FEBRUARY 09, 202 REVISIONS DATE DESCRIPTION

> ABBREVIATIONS AND **GENERAL NOTES**

POWER LEGEND

SYMBOL DESCRIPTION FIRE ALARM AUDIO/VISUAL NOTIFICATION DEVICE, MOUNT AT 80" AFF AND NOT MORE THAN 96".

FIRE ALARM LEGEND

FIRE ALARM VISUAL STROBE NOTIFICATION DEVICE, 80" AFF AND NOT MORE THAN 96". SUBSCRIPT NUMBER INDICATES STROBE CANDELA RATING.

FIRE ALARM AUDIO/VISUAL NOTIFICATION DEVICE WITH DEVICE GUARD, 80" AFF AND NOT MORE THAN 96". SUBSCRIPT NUMBER INDICATES STROBE CANDELA RATING. # / # INDICATES STROBE SETTING AND REDUCED EFFECTIVE OUTPUT WHEN DEVICE GUARD IS PRESENT.

FIRE ALARM VISUAL STROBE NOTIFICATION DEVICE, 80" AFF AND NOT MORE THAN 96". SUBSCRIPT NUMBER INDICATES STROBE CANDELA RATING. # / # INDICATES STROVE SETTING AND REDUCED EFFECTIVE OUTPUT WHEN DEVICE GUARD IS PRESENT.

F FIRE ALARM MANUAL PULL STATION, MOUNT AT +3'-10"AFF.

SUBSCRIPT NUMBER INDICATES STROBE CANDELA RATING.

FK FIRE ALARM MANUAL PULL STATION. KEY OPERATED, MOUNT AT +3'-10"AFF.

FIRE ALARM DUCT SMOKE DETECTOR, FURNISH AND CONNECT UNDER DIVISION 28. INSTALL UNDER DIVISION 23. VERIFY LOCATION WITH DIVISION 23 PRIOR TO ROUGH-IN. PROVIDE ACCESSIBLE KEY OPERATED REMOTE TEST SWITCH FOR EACH DETECTOR.

(S) SMOKE DETECTOR, CEILING MOUNT.

(H) HEAT DETECTOR, CEILING MOUNT.

CO CO DETECTOR, CEILING MOUNT.

DEVICE WITH DEVICE GUARD. SYMBOL MAY VARY

(TS) FIRE ALARM TAMPER SWITCH, PROVIDE UNDER DIVISION 23, MONITOR UNDER DIVISION 28.

FS) FIRE ALARM FLOW SWITCH, PROVIDE UNDER DIVISION 23, MONITOR UNDER DIVISION 28.

(PS) FIRE ALARM PRESSURE SWITCH, PROVIDE UNDER DIVISION 23, MONITOR UNDER DIVISION 28. M FIRE ALARM MONITOR MODULE. NOT ALL MONITOR MODULES ARE INDICATED ON DRAWINGS. PROVIDE QUANTITY AND IN LOCATIONS REQUIRED TO ACCOMPLISH SPECIFIED MONITORING FUNCTIONS.

FIRE ALARM CONTROL MODULE. NOT ALL CONTROL MODULES ARE INDICATED ON DRAWINGS. PROVIDE QUANTITY AND IN LOCATIONS REQUIRED TO ACCOMPLISH SPECIFIED CONTROL FUNCTIONS.

(B) FIRE ALARM SPRINKLER BELL, MOUNT AT +10'-0"AFF.

SYMBOL DESCRIPTION

APPLIANCE RECEPTACLE, MOUNT AT +1'-6" AFF, PROVIDE NEMA CONFIGURATION TO MATCH PLUG FOR EQUIPMENT SERVED.

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. GFCI DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6"AFF. PROVIDE NEMA 3R "WHILE IN USE"

GFCI DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6"AFF. GFCI DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +3'-10"AFF. DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6"AFF.

DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +3'-10"AFF.

CORD REEL OUTLET, CEILING MOUNT.

METALLIC SURFACE RACEWAY, DEVICES AS INDICATED, MOUNT AT +1'-6"AFF, UNO.

J) JUNCTION BOX, CONCEALED ABOVE CEILING, UNO. MUSHROOM SWITCH, HEAVY DUTY WITH LEGEND PLATE. MOUNT W/HANDLE AT +3'-10" AFF, UNO. MANUAL MOTOR STARTER, OVERLOAD PROTECTION AS REQUIRED PER NAME PLATE RATINGS, WITH

'ON' INDICATOR PILOT LIGHT. FLUSH MOUNT W/HANDLE AT +3'-10"AFF, UNO. DISCONNECT SWITCH, FUSIBLE OR NON-FUSIBLE AS INDICATED. MOUNT W/HANDLE AT +4'-6"AFF, UNO.

MAGNETIC MOTOR STARTER. WITH OVERLOAD RELAYS AS REQUIRED TO SERVE MANUFACTURER REQUIREMENTS OF EQUIPMENT SERVED. PROVIDE WITH HAND-OFF-AUTOMATIC SELECTOR SWITCH AND INDICATOR LIGHTS.. MOUNT W/HANDLE AT +4'-6"AFF, UNO.

COMBINATION MAGNETIC STARTER AND DISCONNECT SWITCH. WITH OVERLOAD ELEMENTS AND FUSING AS REQUIRED TO SERVE MANUFACTURER REQUIREMENTS OF EQUIPMENT SERVED. PROVIDE WITH HAND-OFF-AUTOMATIC SELECTOR SWITCH AND INDICATOR LIGHTS.. MOUNT W/HANDLE AT + 4'-6"AFF, UNO.

(E) EQUIPMENT POWER CONNECTION.

MOTOR CONNECTION.

CONNECTION TO DIV 23 MOTORIZED DAMPER, VERIFY LOCATION.

EL POWER FOR ELECTRIC DOOR LOCK CONNECTION.

EMERGENCY GENERATOR. PANELBOARD.

TRANSFORMER, PROVIDE CONCRETE HOUSEKEEPING PAD UNLESS NOTED OTHERWISE.

SPACE NUMBER

1 SECTION NUMBER

1 ENLARGED PLAN NUMBER

DETAIL NUMBER

DETAIL TITLE

SECTION TITLE

SECTION NUMBER

DETAIL NUMBER

GRAPHICS SYMBOLS LEGEND

SPACE IDENTIFICATION TAG

BUILDING AREA (WHEN USED)

E4.1 — DRAWING WHERE SECTION IS INDICATED

ENLARGED PLAN WHERE CUT

E5.1 DRAWING WHERE DETAIL IS INDICATED

The Drawing where detail is indicated — DRAWING WHERE DETAIL IS CUT

The Drawing where section is indicated — DRAWING WHERE SECTION IS CUT

ADDITIONAL DRAWING REFERENCES

ADDITIONAL DRAWING REFERENCES

E3.1 DRAWING WHERE ENLARGED PLAN IS INDICATED

SECTION WHERE CUT

XXX) FEEDER TAG. REFER TO FEEDER SCHEDULE

INDICATES 4-WAY LIGHT SWITCH INDICATES DIMMER SWITCH

TGB TELECOMMUNICATIONS GROUND BUS BAR, MOUNT AT +1'-6"AFF.

INDICATES PILOT LIGHT, ON WHEN SWITCH IS ON INDICATES KEY OPERATED LIGHT SWITCH

INDICATES DIMMER SWITCH WITH INTEGRAL OCCUPANCY SENSOR LOWER CASE LETTER INDICATES LIGHT FIXTURE CONTROL DESIGNATION

PHOTOELECTRIC CELL FOR LIGHTING CONTROL. WALL MOUNT AT +10-0"AFF. AIM NORTH.

LIGHT FIXTURE, CEILING MOUNT.

WALL WASHER LIGHTING FIXTURE.

⊗ • EXIT SIGN, CEILING MOUNT. DIRECTIONAL ARROWS AS INDICATED. SHADING INDICATES FACE(S) OF SIGN.

■ LIGHT FIXTURE, POLE MOUNT.

AARRED EEERER AAUERUU E

FEEDER ID	# OF SETS	BUILDING WIRE QUANTITY & SIZE TYPE THHN - DRY TYPE THWN - WET	MINIMUM CONDUIT SIZE		FEEDER ID	# OF SETS	BUILDING WIRE QUANTITY & SIZE TYPE THHN - DRY TYPE THWN - WET	MINIMUM CONDUIT SIZE
30	1	3#10,#10 G	3/4"		30Y	1	4#10,#10 G	3/4"
35	1	3#8,#10 G	3/4"		35Y	1	4#8,#10 G	3/4"
40	1	3#8,#10 G	3/4"		40Y	1	4#8,#10 G	3/4"
45	1	3#6,#10 G	1"		45Y	1	4#6,#10 G	1"
50	1	3#6,#10 G	1"		50Y	1	4#6,#10 G	1"
60	1	3#4,#10 G	1"		60Y	1	4#4,#10 G	1"
70	1	3#4,#8 G	1 1/4"		70Y	1	4#4,#8 G	1 1/4"
80	1	3#3,#8 G	1 1/4"		80Y	1	4#3,#8 G	1 1/4"
90	1	3#2,#8 G	1 1/4"		90Y	1	4#2,#8 G	1 1/4"
100	1	3#1,#8 G	1 1/4"		100Y	1	4#1,#8 G	1 1/4"
110	1	3#2,#6 G	1 1/2"		(110Y)	1	4#2,#6 G	1 1/2"
125	1	3#1,#6 G	1 1/2"		(125Y)	1	4#1,#6 G	1 1/2"
150	1	3#1/0,#6 G	2"		(150Y)	1	4#1/0,#6 G	2"
175	1	3#2/0,#6 G	2"		(175Y)	1	4#2/0,#6 G	2"
200	1	3#3/0,#6 G	2"		200Y	1	4#3/0,#6 G	2"
225	1	3#4/0,#4 G	2 1/2"		225Y)	1	4#4/0,#4 G	2 1/2"
250	1	3-250kCM,#4 G	2 1/2"		250Y)	1	4-250kCM,#4 G	2 1/2"
300	1	3-350kCM,#4 G	2 1/2"		300Y	1	4-350kCM,#4 G	2 1/2"
350	2	3#2/0,#3 G	3"		350Y	2	4#2/0,#3 G	3"
400	2	3#3/0,#3 G	2"		400Y	2	4#3/0,#3 G	2"
400SE	2	3#3/0	2"					
		•		. !			•	

3. SIZES ADJUSTED PER NEC 110.14.

LIGHTING LEGEND

2" EMT CONDUIT SLEEVE WITH NYLON BUSHING EACH END UNO, THRU WALL AT +6" ABOVE FINISHED

COMMUNICATIONS LEGEND

CATV OUTLET, REFER TO DETAIL ON E4.1 AND ARCHITECTURAL DRAWING FOR MOUNTING HEIGHTS.

POWER/COMMUNICATIONS RECESSED FLOOR BOX. SUBSCRIPT LETTER INDICATES OUTLET TYPE

REFER TO "TYPICAL COMMUNICATION OUTLET DETAIL" FOR BOX AND CONDUIT REQUIREMENTS.

3/4" CONDUITS, (1) EACH AT OPPOSITE SIDES, TO STUB-UP AT NEAREST COMMUNICATION CROSS-

POWER/COMMUNICATIONS POKE-THRU FLOOR BOX. SUBSCRIPT LETTER INDICATES OUTLET TYPE. (2)

SYSTEM FURNITURE COMMUNICATIONS CONNECTION VIA FLUSH WALL BOX MOUNTED +4"AFF. PROVIDE

1.25" CONDUIT WITH BUSHING FROM BOX TO ABOVE CEILING. COORDINATE WITH FURNITURE PROVIDER

NOTE: REFER TO DETAILS ON E4.1 FOR BOX & CONDUIT, CABLING AND TERMINAL JACK REQUIREMENTS.

RECESSED FLOOR MOUNT DEVICE COMPLETE WITH FITTINGS FOR FLOOR COVERING.

REFER TO DETAIL ON E4.1 AND ARCHITECTURAL DRAWING FOR MOUNTING HEIGHTS.

CONNECT, UNO. REFER TO 'TYPICAL COMMUNICATION OUTLET DETAIL.'

VIDEO VISIT STATION, REFER TO ARCHITECTURAL PLANS FOR MOUNTING HEIGHT

SYMBOL DESCRIPTION

PRIOR TO ROUGH-IN.

TELECOMMUNICATIONS EQUIPMENT RACK.

M SMOKE DAMPERS. REFER TO DETAILS MATRIX ON E4.1

(WA) WIRELESS ACCESS POINT

SYMBOL DESCRIPTION

TELECOMMUNICATIONS OUTLET. MOUNT AT +3'-10"AFF.

▼ TELECOMMUNICATIONS OUTLET. MOUNT AT +1'-6"AFF.

INMATE PHONE, MOUNT AT +3'-10"AFF.

LIGHT SWITCH, RATED 120/277 VOLTS, 20-AMPS, MOUNT AT +3'-10"AFF. SUBSCRIPT/SUPERSCRIPT LETTERS, NUMBERS, AND SYMBOLS INDICATES SWITCH TYPE AS FOLLOWS:

INDICATES 3-WAY LIGHT SWITCH

INDICATES SWITCH WITH INTEGRAL OCCUPANCY SENSOR

OMNI-DIRECTIONAL LIGHTING CONTROL OCCUPANCY DETECTOR, CEILING MOUNT.

LIGHT FIXTURE ON EMERGENCY POWER, CEILING MOUNT.

○ ☐ LIGHTING FIXTURE.

LIGHTING FIXTURE ON EMERGENCY POWER.

Q=== LIGHT FIXTURE, WALL MOUNT, HEIGHT AS INDICATED.

EXIT SIGN, WALL MOUNT. DIRECTIONAL ARROWS AS INDICATED. SHADING INDICATES FACE(S) OF SIGN.

		COPPE	R FEED	Ε	R SCH	EDU	LE	
FEEDER ID	# OF SETS	BUILDING WIRE QUANTITY & SIZE TYPE THHN - DRY TYPE THWN - WET	MINIMUM CONDUIT SIZE		FEEDER ID	# OF SETS	BUILDING WIRE QUANTITY & SIZE TYPE THHN - DRY TYPE THWN - WET	MINIMUM CONDUIT SIZE
30	1	3#10,#10 G	3/4"		30Y	1	4#10,#10 G	3/4"
35	1	3#8,#10 G	3/4"		35Y	1	4#8,#10 G	3/4"
40	1	3#8,#10 G	3/4"		40Y	1	4#8,#10 G	3/4"
45	1	3#6,#10 G	1"		45Y)	1	4#6,#10 G	1"
50	1	3#6,#10 G	1"		50Y	1	4#6,#10 G	1"
60	1	3#4,#10 G	1"		60Y	1	4#4,#10 G	1"
70	1	3#4,#8 G	1 1/4"		70Y	1	4#4,#8 G	1 1/4"
80	1	3#3,#8 G	1 1/4"		80Y	1	4#3,#8 G	1 1/4"
90	1	3#2,#8 G	1 1/4"		90Y	1	4#2,#8 G	1 1/4"
100	1	3#1,#8 G	1 1/4"		(100Y)	1	4#1,#8 G	1 1/4"
110	1	3#2,#6 G	1 1/2"		(110Y)	1	4#2,#6 G	1 1/2"
125	1	3#1,#6 G	1 1/2"		(125Y)	1	4#1,#6 G	1 1/2"
150	1	3#1/0,#6 G	2"		(150Y)	1	4#1/0,#6 G	2"
175	1	3#2/0,#6 G	2"		(175Y)	1	4#2/0,#6 G	2"
200	1	3#3/0,#6 G	2"		200Y)	1	4#3/0,#6 G	2"
225	1	3#4/0,#4 G	2 1/2"		(225Y)	1	4#4/0,#4 G	2 1/2"
250	1	3-250kCM,#4 G	2 1/2"		250Y)	1	4-250kCM,#4 G	2 1/2"
300	1	3-350kCM,#4 G	2 1/2"		300Y	1	4-350kCM,#4 G	2 1/2"
350	2	3#2/0,#3 G	3"		350Y	2	4#2/0,#3 G	3"
400	2	3#3/0,#3 G	2"		400Y	2	4#3/0,#3 G	2"
400SE	2	3#3/0	2"					

1. ELECTRICAL CONTRACTOR TO VERIFY CONDUIT SIZE REQUIRED IF WIRE TYPES OTHER THAN THOSE LISTED ABOVE ARE USED.

2. FEEDER SIZES BASED ON TABLE 310.15(B)(16), 75° C.

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

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

GENERAL NOTES

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

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.

I. 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.

. 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.

ABBREVIATIONS

ABOVE FINISHED FLOOR ALUMINUM AUTOMATIC TRANSFER SWITCH BELOW FINISHED CEILING BELOW FINISHED GRADE BREAKER CONDUIT COMMUNITY ANTENNA TELEVISION (CABLE) CIRCUIT BREAKER

WEATHERPROOF (NEMA 3R)

CLOSED CIRCUIT TELEVISION CIRCUIT CEILING CLR CLEAR COMPANY

SINGLE PHASE

THREE PHASE

COMM DIAMETER

DISC DISCONNECT DIVISION DRAWING ELECTRIC BASEBOARD HEATER

EMPTY CONDUIT EMERGENCY COMMUNICATIONS STATION ELECTRICAL ELEV ELEVATOR

EMERGENCY POWER OFF **EQUIPMENT** EXISTING TO REMAIN ELECTRIC WATER COOLER

EXTERIOR

FIRE ALARM FIRE ALARM ANNUNCIATOR PANEL FACP FIRE ALARM CONTROL PANEL FAGP FIRE ALARM GRAPHIC PANEL FAXP FIRE ALARM EXTENDER PANEL

ISOLATED GROUND

FFSCP FIRE FIGHTER'S SMOKE CONTROL PANEL

FLA FULL LOAD AMPS FPMR FUSE PER MANUFACTURERS REQUIREMENTS/RECOMMENDATIONS FPND FUSE PER NAMEPLATE DATA

GROUND FAULT PROTECTION FOR EQUIPMENT, 6-50mA PER NEC 427.22 (PROVIDE ACCESSORY FOR GROUND FAULT CIRCUIT INTERRUPT

GROUND FAULT PROTECTION FOR PERSONNEL, 4-6mA (PROVIDE ACCESSORY FOR INDICATED

HOUSEKEEPING PAD HORSEPOWER HIGH PRESSURE SODIUM IN ACCORDANCE WITH

JUNCTION BOX KHFSS KITCHEN HOOD FIRE SUPPRESSION SYSTEM KILOHERTZ KILOVOLT AMPS

KILOWATTS KILOWATT HOURS LOCKOUT TO PREVENT UNAUTHORIZED SWITCHING (PROVIDE ACCESSORY FOR INDICATED BREAKER) ROUTE CIRCUIT TO LOAD VIA LIGHTING CONTACTOR, REFER TO LC SCHEDULE LIGHT EMITTING DIODE LIGHTING

LIGHTS MAXIMUM MINIMUM CIRCUIT AMPACITY MAIN CIRCUIT BREAKER MCB MCC MOTOR CONTROL CENTER METAL HALIDE

MEGAHERTZ MAINTENANCE LOCK (PROVIDE ACCESSORY FOR INDICATED BREAKER) MAIN LUG ONLY

MASS NOTIFICATION SYSTEM MAXIMUM OVER CURRENT PROTECTION. MTD MOUNTED NEUTRAL NORMALLY CLOSED

NORMALLY OPEN NUMBER OWNER FURNISHED CONTRACTOR INSTALLED PILOT LIGHT (AT THE SWITCH HANDLE) PANELBOARD

PROTECTIVE DEVICE RCPT RECEPTACLE RECEPTACLE SEC SECURITY SPD SURGE PROTECTIVE DEVICE

SPEC. SPECIFICATION(S) ST SHUNT TRIP, 120V COIL (PROVIDE ACCESSORY FOR INDICATED BREAKER) SW SWITCH SWBD SWITCHBOARD

TBB TELECOMMUNICATIONS BONDING BACKBONE TC TELECOMMUNICATIONS CLOSET TELECOM TELECOMMUNICATIONS TGB TELECOMMUNICATIONS GROUNDING BUS BAR TMGB TELECOMMUNICATIONS MAIN GROUNDING BUS BAR

UNO UNLESS NOTED (INDICATED) OTHERWISE V VOLTS VFD VARIABLE FREQUENCY DRIVE W WATTS

W/ WITH WG WIRE GUARD WEATHERPROOF XFER TRANSFER XFMR TRANSFORMER

KEYNOTES

APPLIES TO THIS DRAWING

REPRESENTED BY n

PROVIDE 3#10,#10G,3/4"C AND 240V, 3P, 30A NEMA 3R, DISCONNECT, FUSED PER

PROVIDE 2#10,#10G,3/4"C AND 120V, 1P, 30A DISCONNECT, FUSED PER

INSTRUCTIONS (STERIS HARMONY AIR G-SERIES (GEN 2) OR EQUAL).

MOUNTED VERTICALLY ON WALLS AS INDICATED.

MANUFACTURER'S RECOMMENDATION FOR WALK IN COOLER CONDENSER UNIT.

MANUFACTURER'S RECOMMENDATION FOR WALK IN COOLER EVAPORATOR UNIT.

B. PROVIDE 4'X8'X3/4" FIRE RESISTANT PLYWOOD MOUNTED WITH LONG DIMENSION

PROVIDE A SURGICAL LIGHTING SYSTEM PER THE MANUFACTURER'S INSTALLATION

611315 GEORGETOWN COUNTY GEORGETOWN, SOUTH CAROLINA

PROJECT NO: 611315 DATE: FEBRUARY 09, 202 REVISIONS DATE DESCRIPTION

ELECTRICAL FLOOR

LIGHT FIXTURE SCHEDULE MOUNTING OPTIONS COMMENTS COLOR TEMP. DESCRIPTION MANUFACTURER SERIES NO. 2x4 LED TROFFER LITHONIA 5000 K RECESSED PROVIDE FLANGE KIT WHEN MOUNTED IN DRYWALL CEILING 2RTL4 48L GZ10 LP850 120 V 4800 lm 2x4 LED TROFFER LITHONIA 1400LM BATTERY PROVIDE FLANGE KIT WHEN MOUNTED IN DRYWALL CEILING 2RTL4 48L GZ10 LP850 120 V 4800 lm 5000 K RECESSED LITHONIA PROVIDE FLANGE KIT WHEN MOUNTED IN DRYWALL CEILING 2x2 LED TROFFER 2RTL2 48L GZ10 LP850 120 V 4200 lm 5000 K RECESSED 2x2 LED TROFFER LITHONIA 2RTL2 48L GZ10 LP850 120 V 4200 lm 5000 K RECESSED PROVIDE FLANGE KIT WHEN MOUNTED IN DRYWALL CEILING LED VANDAL RESIST INDUSTRIAL LITHONIA VAP 6000LM PCL MD GZ10 50K 120 V 6000 lm 5000 K SURFACE OR CHAIN 10'-0" AFF UNO LITHONIA STRIP LIGHT CDS L48 DM 50K 80CRI 120 V SURFACE OR CHAIN 4800 lm 5000 K 10'-0" AFF UNO STRIP LIGHT LITHONIA CDS L48 DM 50K 80CRI SURFACE OR CHAIN 120 V 4800 lm 5000 K 1400LM BATTERY 10'-0" AFF UNO **EXTERIOR WALL MOUNT** LITHONIA TWPX1LED 120 V WALL 10'-6" AFF UNO 3100 lm 5000 K LITHONIA SINGLE FACE EXIT SIGN LES 1 R UNIVERSAL BATTERY CHEVRONS AS INDICATED 120 V

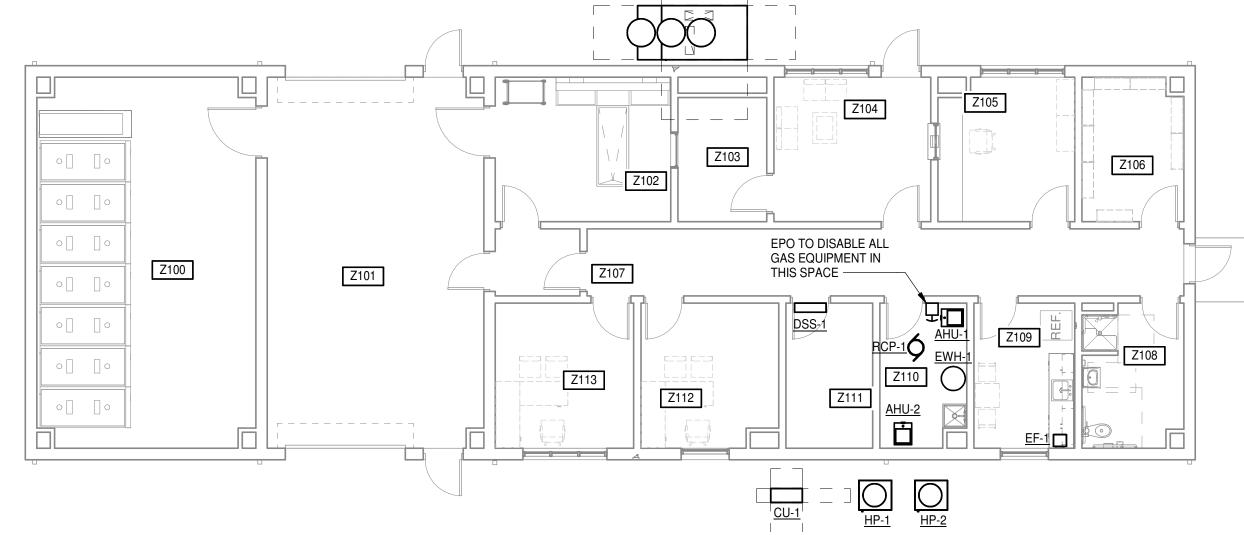
Total Conn. Current: 187 A

Total Est. Demand... 187 A

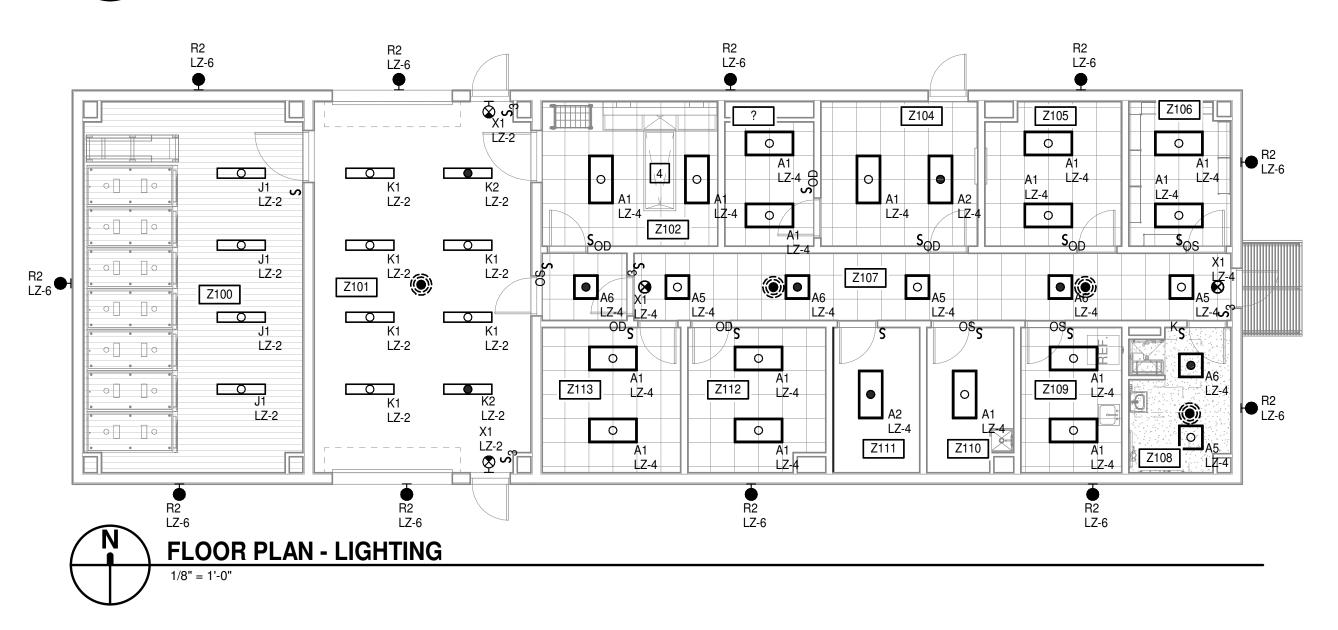
17436 VA

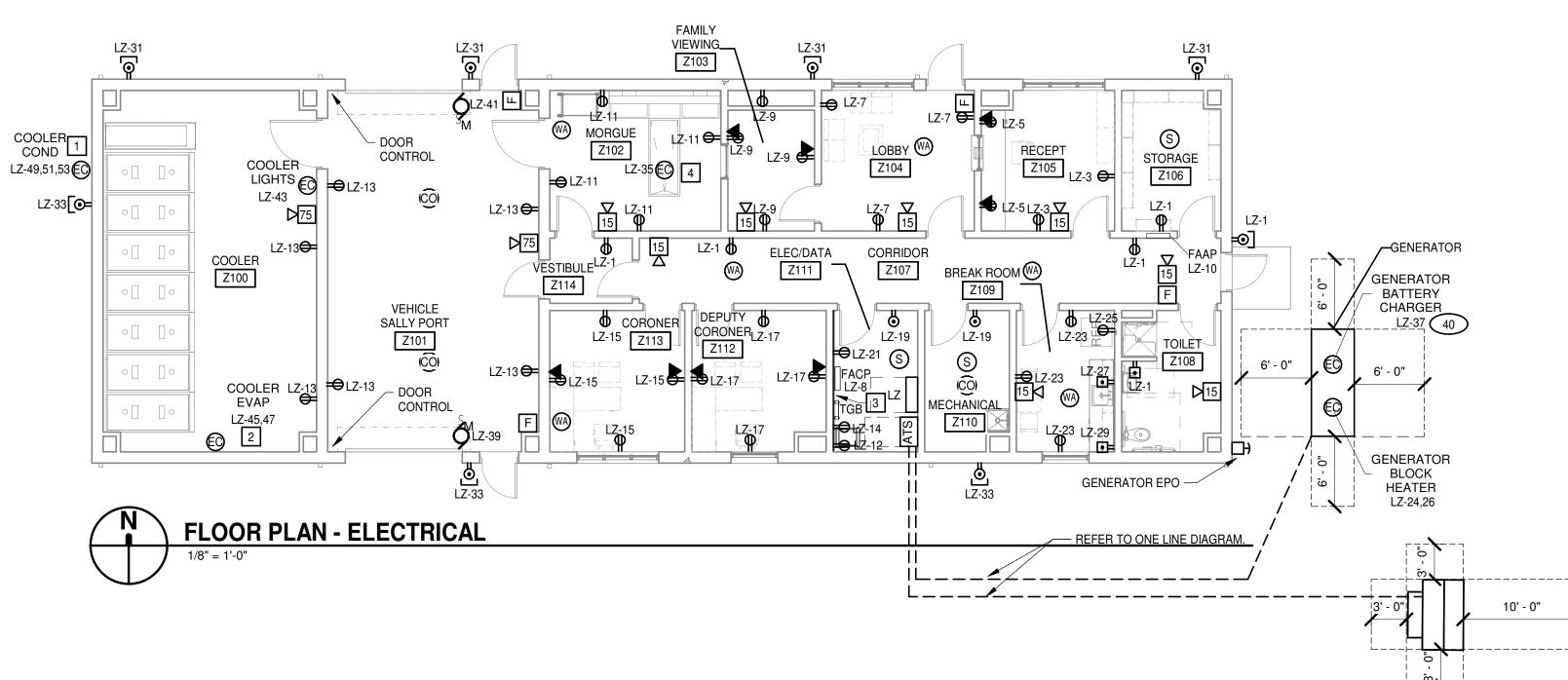
12000 VA

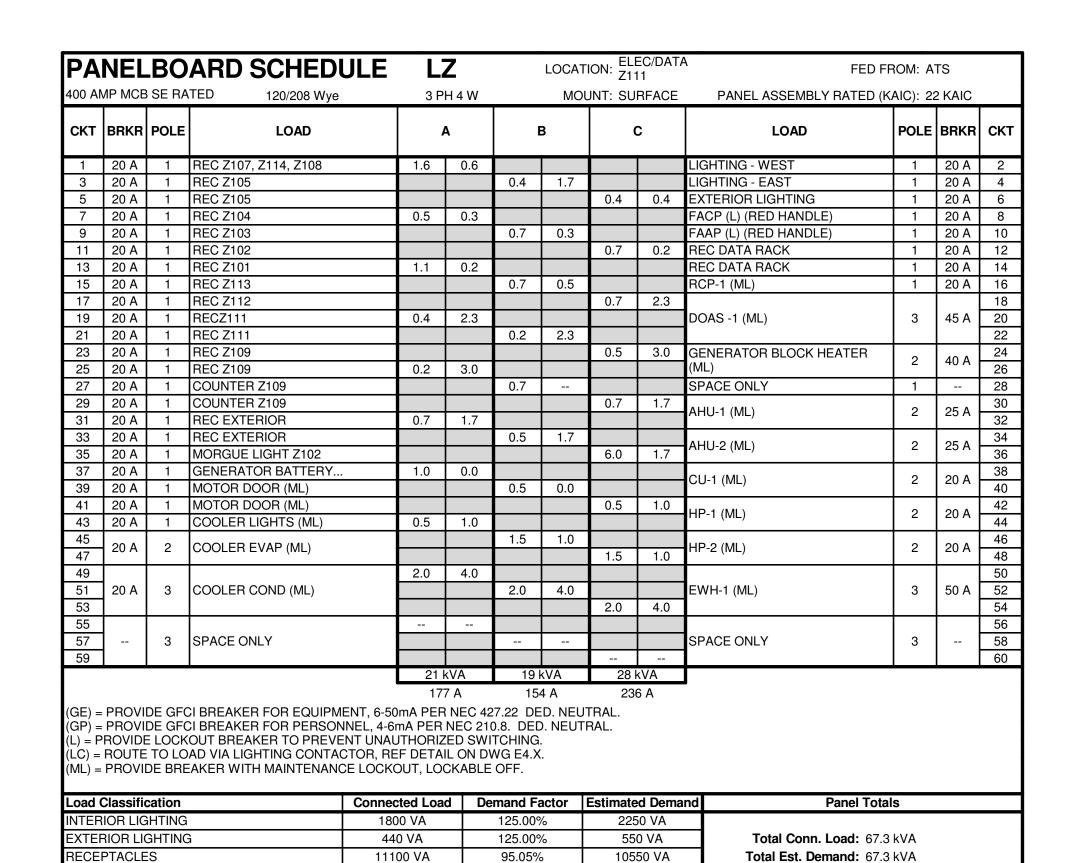
DIV 23 ELECTRICAL CONNECTION SCHEDULE									
TAG	VOLTAGE	# POLES	LOAD	PANEL	CCT#	WIRE	DISCONNECTING MEANS	REMARKS	
AHU-1	208 V	2	3.3 kVA	LZ	30,32	3#10,#10G,3/4"C	PROVIDED WITH UNIT		
AHU-2	208 V	2	3.3 kVA	LZ	34,36	3#10,#10G,3/4"C	PROVIDED WITH UNIT		
CU-1	208 V	2	0.0 kVA	LZ	38,40	2#12,#12G,3/4"C	600V,30A,3P,NEMA 3R, DISC, FPND		
DOAS-1	208 V	3	6.9 kVA	LZ	18,20,22	3#6,#10G,1"C	PROVIDED WITH UNIT		
DSS-1	208 V	2	0.2 kVA			PER MANUFACTURER	PER MANUFACTURER	CONNECT TO OUTDOOR UNIT	
EF-1	120 V	1	0.5 kVA	LZ	4	2#12,#12G,3/4"C	PROVIDED WITH UNIT	CONTROL WITH ROOM LIGHTING CONTROL	
EWH-1	208 V	3	12.0 kVA	LZ	50,52,54	3#6,#10G,1"C	240V,60A,3P, DISC, FPND		
HP-1	208 V	2	2.0 kVA	LZ	42,44	2#12,#12G,3/4"C	240V,30A,3P,NEMA 3R, DISC, FPND		
HP-2	208 V	2	2.0 kVA	LZ	46,48	2#12,#12G,3/4"C	240V,30A,3P,NEMA 3R, DISC, FPND		
RCP-1	120 V	1	0.5 kVA	LZ	16	2#12,#12G,3/4"C	MOTOR RATED SWITCH		





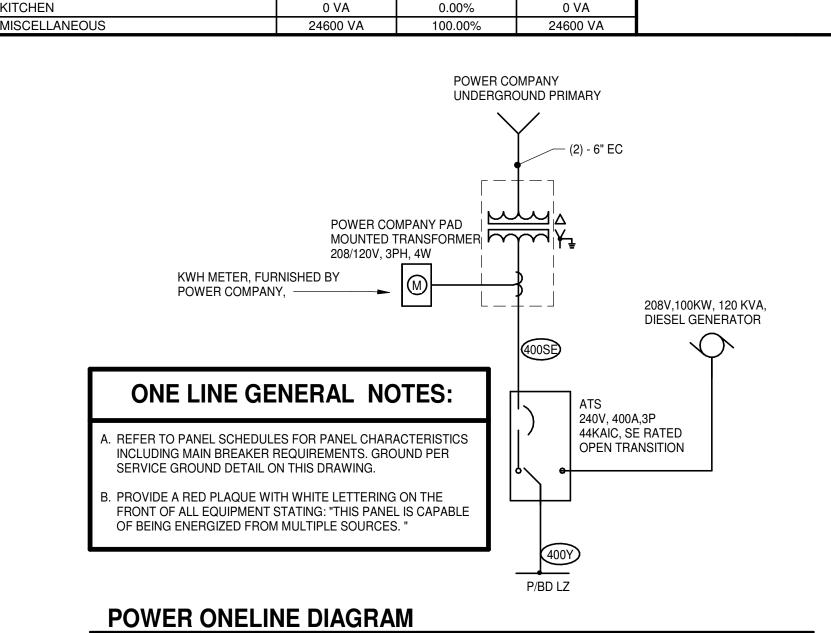






100.00%

100.00%

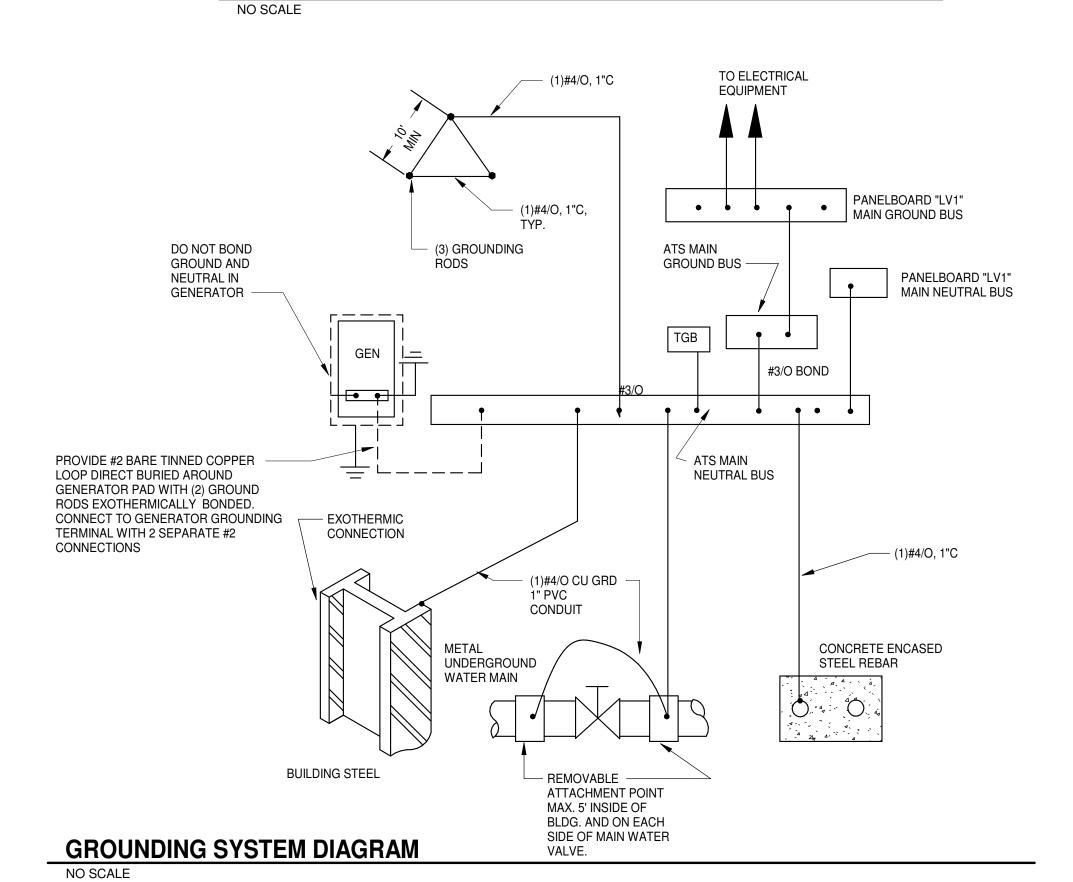


17436 VA

12000 VA

C / HEAT PUMP

LECTRIC HEAT



PLANS