CONSTRUCTION DOCUMENTS FOR:

PITT COMMUNITY COLLEGE
NEW WELDING BUILDING

WINTERVILLE, NC
SCO ID #22-25191-01A; NCCCS #2675

VOLUME 1

JKF PROJECT NO. 2022-07

FEBRUARY 15, 2024

VOLUME 1

JOHN K. FARKAS REGISTERED ARCHITECT 5627 4/12/2024 GREENVILLE, NORTH CAROLINA

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VOLUME 2

ROOM FINISH SCHEDULE (SEE FLOOR PLANS)

ROOM NAME
101
A | B | C
- A — WALL FINISH
- B — BASE MATERIAL/FINISH
- C — FLOOR MATERIAL/FINISH

FLOOR MATERIALS/FINISH

CR	CARPET TILE
CT	CERAMIC TILE
EC	EXPOSED CONCRETE, SEALED
LV	LUXURY VINYL TILE

BASE MATERIALS

CT	CERAMIC TILE
R	RUBBER

WALL MATERIALS/FINISH

CT	CERAMIC TILE
E	EXPOSED CONSTRUCTION, UNPAINTED
P	PAINTED GYPSUM BOARD OR MASONRY
B	BRICK

REFLECTED CEILING PLAN LEGEND

ROOM NAME
101
CLG HGHT
- ROOM NO.
- FIN. CLG. HEIGHT AFF.
- CEILING MATERIAL

- LED LIGHT FIXTURE (SEE ELECTRICAL DRAWINGS FOR SIZE AND TYPE)
- INDIRECT LAY-IN LIGHT FIXTURE (SEE ELECTRICAL DRAWINGS FOR SIZE AND TYPE)
- DIRECT/INDIRECT PENDENT MOUNTED LIGHT FIXTURE (SEE ELECTRICAL DRAWINGS FOR SIZE AND TYPE)
- FAN COIL UNIT
- SUPPLY AIR DIFFUSER
- RETURN AIR DIFFUSER
- EXHAUST AIR GRILLE
- DOWNLIGHT FIXTURE
- WALL WASHER FIXTURE
- WALL SCONCE OR MOUNTED FIXTURE
- (P) PROJECTOR (BY OWNER)
- ACCESS DOOR
- WIRELESS ACCESS POINT
- EXIT SIGN
  - SIGN FACE
  - DIRECTION ARROW IF NEEDED
- SPEAKER
- HEAT DETECTOR
- SMOKE DETECTOR
- SPRINKLER HEAD CEILING
- SPRINKLER HEAD WALL
- FIRE ALARM HORN STROBE
- X'-X" / XXX — DATUM ABOVE FIN. FLOOR / CEILING MATERIAL (SEE LEGEND)
- P — PRESSURE REGULATOR

CEILING MATERIALS LEGEND

APC	ACOUSTICAL PANEL CEILING (IF FOLLOWED BY A NUMERAL DENOTES SPECIAL TYPE AS SPECIFIED)
PGB	PAINTED GYPSUM BOARD
EXD	EXPOSED STRUCTURE & DECK PAINTED
MPC	METAL PANEL CEILING

GENERAL PROJECT LEGEND

- A1 / A3/1 — REFERENCE NO. / DRAWING NO.
- DENOTES CHANGE IN FINISHED FLOOR MATERIAL
- A1 / A4 A4.1 A2 / A3 — ELEVATION REFERENCE
- 100 / 1 / A — DOOR NO. / DOOR ASSEMBLY DESIGNATION / HARDWARE SET NO. / DOOR GROUP NO.
- 4X — PARTITION TYPE (SEE DRAWING A7.0)
- DOT DENOTES SIDE W/SPECIAL FINISH
- 1 HOUR WALL
- 2 HOUR WALL
- A / 1 — GENERAL NOTE REFERENCE NUMBERS DESIGNATE DEMOLITION. LETTERS DESIGNATE NEW CONSTRUCTION.
- NEW CONSTRUCTION

ARCHITECTURAL ABBREVIATIONS

APC	ACOUSTICAL PANEL CEILING
ADJ	ADJACENT
AFF	ABOVE FINISHED FLOOR
AL	ALUMINUM
ALT	ALTERNATE
AN	ANODIZED
ATTN	ATTENUATION
BD	BOARD
BIT	BITUMINOUS
BLKG	BLOCKING
BLKT	BLANKET
BM	BEAM
BOP	BOTTOM OF PLATE
BOS	BOTTOM OF STEEL
BRG	BEARING
CAB	CABINET
CAP	CAPACITY
CB	CATCH BASIN
C	CENTERLINE
CJ	CONTROL JOINT
CLG HT	CEILING HEIGHT
CLR	CLEAR
CLG	CEILING
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONSTR	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
CT	CERAMIC TILE
DWG	DRAWING
EA	EACH
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
ELEC	ELECTRICAL
ENCL	ENCLOSURE
EOS	EDGE OF SLAB
EWC	ELECTRIC WATER COOLER
EXIST	EXISTING
EXPD	EXPOSED
EXP JT	EXPANSION JOINT
EXT	EXTERIOR
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FFE	FINISHED FLOOR ELEVATION
FL	FLOOR
FRP	FIBERGLASS REINFORCED POLYESTER
FT	FIRE RETARDANT TREATED
FTG	FOOTING
FUR	FURRING
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GL	GLASS
GN	GENERAL NOTE
GYP BD	GYPSUM BOARD
HDW	HARDWARE
HM	HOLLOW METAL
HT	HEIGHT
HVAC	HEATING, VENTILATION, AIR CONDITIONING
INT	INTERIOR
INSUL	INSULATION
INV	INVERT
JT	JOINT
LAV	LAVATORY
MANUF	MANUFACTURER
MC	MECHANICAL CONTRACTOR
MH	MANHOLE
MECH	MECHANICAL
MIN	MINIMUM
MO	MASONRY OPENING
MTD	MOUNTED
MTL	METAL
NTS	NOT TO SCALE
NIC	NOT IN CONTRACT
O/C	ON CENTER
OH	OVERHANG
OHD	OVERHEAD
OPNG	OPENING
PART	PARTITION
PC	PLUMBING CONTRACTOR
PGB	PAINTED GYPSUM BOARD
PGBR	PAINTED GYPSUM BOARD WITH REVEAL
PL	PLATE
P	PAINTED
REF	REFRIGERATOR
REINF	REINFORCE / REINFORCING
REQD	REQUIRED
RM	ROOM
RO	ROUGH OPENING
RSW	RAIL & STILE WOOD
SCHED	SCHEDULE
SF	SQUARE FEET
SIM	SIMILAR
SPECS	SPECIFICATIONS
SS	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STRUCT	STRUCTURE / STRUCTURAL
SUSP	SUSPENDED
TC	TOP CURB
TF	TRANSPARENT FINISH
TG	TOP GRATE
TEMP	TEMPERED
THK	THICK
TJ	TOP OF JOIST
TOM	TOP OF MASONRY
TOP	TOP OF PLATE
TOS	TOP OF SLAB
TOW	TOP OF WALL
TYP	TYPICAL
T/S	TOP OF STEEL
TS	TUBE STEEL
UNO	UNLESS OTHERWISE NOTED
VAR	VARIES
VERT	VERTICAL
VIF	VERIFY IN FIELD
WD	WOOD
WDW	WINDOW
WSC	WOOD SOLID CORE
WWF	WELDED WIRE FABRIC
W/	WITH

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
(EXCEPT 1 and 2-FAMILY DWELLINGS and TOWNHOUSES)
(Reproduce the following data on the building plans sheet 1 or 2)

Name of Project: Pitt Community College New Welding Building
Address: _____ Zip Code _____
Owner/Authorized Agent: R. Brown Phone # (_____) _____ - _____ E-Mail _____
Owned By: City
Code Enforcement Jurisdiction: City, Winterville

CONTACT: John K. Farkas, AIA

Architectural	JKF Architecture	John K. Farkas, AIA	NC 5922	(252)355-1068	jkf@jkf-arch.com
Electrical	Atlantec Engineers	Sujin Pramojaney, P.E.	NC 027479	(919)855-2040	Sujin@atlanteceng.com
Fire Alarm	Atlantec Engineers	Bradley W. Felts, P.E.	NC 17382	(919)855-2040	brad@atlanteceng.com
Plumbing	Atlantec Engineers	Bradley W. Felts, P.E.	NC 22035	(919)855-2040	brad@atlanteceng.com
Mechanical	Atlantec Engineers	Bradley W. Felts, P.E.	NC 051195	(919)855-2040	brad@atlanteceng.com
Sprinkler-Standpipe	Atlantec Engineers	Bradley W. Felts, P.E.	NC 025036	(919)855-2040	brad@atlanteceng.com
Structural	Neser & Roomsburg PA	Kevin Roomsburg, P.E.	NC 022830	(757)474-0612	kmr@nrwengineering.com

2018 NC BUILDING CODE New Building:

BASIC BUILDING DATA
Construction Type: II-B
Sprinklers: Yes NFPA 13
Standpipes: No
Fire District: No **Flood Hazard Area:** No
Special Inspections Required: Yes (Contact the local inspection jurisdiction for additional procedures and requirements.)

Gross Building Area Table

FLOOR	EXISTING (SQ FT)	NEW (SQ FT)	SUB-TOTAL
1st Floor		29,879	29,879
Mech. Platform		2,578	2,578
Exterior Canopies (Base Bid)		1,814	1,814
Exterior Canopies (Alt Bid #2)		2,840	2,840
TOTAL		37,111	37,111

ALLOWABLE AREA
Primary Occupancy Classification(s): Business , Education Above 12th Grade
Accessory Occupancy Classification(s):
Incidental Uses (Table 509): Mechanical, Electrical, Fire-Riser Rooms
Special Uses (Chapter 4 – List Code Sections): None
Special Provisions: (Chapter 5 – List Code Sections): None
Mixed Occupancy: No
☒ Non-Separated Use (508.3)- The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2[4] AREA	(C) AREA FOR FRONTAGE INCREASE[1,5]	(D) ALLOWABLE AREA PER STORY OR UNLIMITED[2,3]
1	1st Floor Business Education Above 12th Grade	28,774	92,000	17,250	109,250
MP	Mech. Platform	2,500	9,200	N/A	N/A
1	Exterior Canopies (Base)	1,814	92,000	17,250	
1	Exterior Canopies (Alt Bid#2)	2,840	92,000	17,250	

[1] Frontage area increases from Section 506.3 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = 1,105 (F)
b. Total Building Perimeter = 1,105 (P)
c. Ratio (F/P) = 1.0 (F/P)
d. W = Minimum width of public way = 30 (W)
e. Percent of frontage increase $I_f = 100[F/P - 0.25]$ X $W/30$ = 75% x 23,000 = 17,250
[2] Unlimited area applicable under conditions of Section 507.
[3] Maximum Building Area = total number of stories in the building x D (maximum3 stories) (506.2).
[4] The maximum area of open parking garages must comply with Table 406.5.4.
[5] Frontage increase is based on the unsprinklered area value in Table 506.2.

ALLOWABLE HEIGHT

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE[1]
Building Height in Feet (Table 504.3)[2]	75'	30'	N/A
Building Height in Stories (Table 504.4)[3]	4	1	N/A

[1] Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.
[2] The maximum height of air traffic control towers must comply with Table 412.3.1.
[3] The maximum height of open parking garages must comply with Table 406.5.4.

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING REQ'D	RATING PROVIDED (W/ * REDUCTION)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	SHEET # FOR RATED PENETRATION	SHEET # FOR RATED JOINTS
Structural Frame, including columns, girders, trusses		0					
Bearing Walls		N/A					
Exterior		N/A					
North							
East							
West							
South							
Interior		N/A					
Nonbearing Walls and Partitions Exterior walls							
North	>30'	0					
East	>30'	0					
West	>30'	0					
South	>30'	0					
Interior walls and partitions		0					
Floor Construction Including supporting beams and joists		0					
Floor Ceiling Assembly		0					
Columns Supporting Floors		0					
Roof Construction, including supporting beams and joists		0					
Roof Ceiling Assembly		0					
Columns Supporting Roof		0					
Shaft Enclosures - Exit		N/A					
Shaft Enclosures - Other		N/A					
Corridor Separation		0					
Occupancy/Fire Barrier Separation		N/A					
Party/Fire Wall Separation		N/A					
Smoke Barrier Separation		N/A					
Smoke Partition		N/A					
Tenant/Dwelling Unit/ Sleeping Unit Separation		N/A					
Incidental Use Separation		1					

* Indicate section number permitting reduction

PERCENTAGE OF WALL OPENING CALCULATIONS

FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES	DEGREE OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)
>30'	UP.S	NO LIMIT	NO LIMIT

ACCESSIBLE PARKING
(SECTION 1106)

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES		# OF ACCESSIBLE SPACES PROVIDED		TOTAL # ACCESSIBLE
	REQUIRED	PROVIDED	96" SPACES	132" SPACES	PROVIDED
New Parking	54	54	4 (1 VAN)		4 (1 VAN)
TOTAL	54	54	4 (1 VAN)		4 (1 VAN)

PLUMBING FIXTURE REQUIREMENTS
(TABLE 2902.1)

USE		WATER CLOSETS			URINALS	LAVATORIES			SHOWERS /TUBS	DRINKING FOUNTAINS	
		MALE	FEMALE	UNISEX		MALE	FEMALE	UNISEX		REGULAR	ACCESSIBLE
SPACE	EXIST'G	-	-	-	-	-	-	-	-	-	-
	NEW	4	6	-	2	4	4	-	-	2	2
	REQ'D	4	6	-	2	4	4	-	-	2	2

SPECIAL APPROVALS
Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, etc., describe below)
NCDOI, NCOSC, TOWN OF WINTERVILLE

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting:	Yes
Exit Signs:	Yes
Fire Alarm:	Yes
Smoke Detection Systems:	Yes
Carbon Monoxide Detection:	No

LIFE SAFETY PLAN REQUIREMENTS
Life Safety Plan Sheet #: A1.0

- ☒ Fire and/or smoke rated wall locations (Chapter 7)
- ☒ Assumed and real property line locations (if not on the site plan)
- ☒ Exterior wall opening area with respect to distance to assumed property lines (705.8)
- ☒ Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)
- ☒ Occupant loads for each area
- ☒ Exit sign locations (1013)
- ☒ Exit access travel distances (1017)
- ☒ Common path of travel distances (Tables 1006.2.1 & 1006.3.2(1))
- ☐ Dead end lengths (1020.4) – N/A
- ☒ Clear exit widths for each exit door
- ☒ Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)
- ☒ Actual occupant load for each exit door
- ☐ A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation – N/A
- ☒ Location of doors with panic hardware (1010.1.10)
- ☐ Location of doors with delayed egress locks and the amount of delay (1010.1.9.7) – N/A
- ☐ Location of doors with electromagnetic egress locks (1010.1.9.9) – N/A
- ☐ Location of doors equipped with hold-open devices – N/A
- ☐ Location of emergency escape windows (1030) – N/A
- ☒ The square footage of each fire area (202)
- ☐ The square footage of each smoke compartment for Occupancy Classification I-2 (407.5) – N/A
- ☐ Note any code exceptions or table notes that may have been utilized regarding the items above – N/A

ENERGY SUMMARY
ENERGY REQUIREMENTS:
The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the proposed design.

Exempt Building: No

Climate Zone: 3A

Method of Compliance: Energy Code - Prescriptive

THERMAL ENVELOPE (Prescriptive method only)

Roof/ceiling Assembly #1
Description of assembly: Standing Seam Mtl. Roof Extruded Polystyrene. Over ½" Glass- mat Sheathing
U-Value of total assembly: U-0.033
R-Value of insulation: R-30CI Provided, R-25ci Min. Required
Skylights in each assembly: N/A

Exterior Walls #1
Description of assembly: 4" Facebrick, 2" Air space, 2" Rigid Insulation, Dampproofing. 8" or 12" CMU Block, Interior Finish.
U-Value of total assembly: U-0.1
R-Value of insulation: R-10CI Provided, R-7.5CI Required

Exterior Walls #2
Description of assembly: 4" Facebrick, 2" Air Cavity, 1 ½" Rigid Insulation (R-8.75) (R-7.5 Required). Bldg. Paper, 5/8" Glass-Mat, 6" Blanket Insulation (R-19) (R-19 Required), 6" Metal Studs, 5/8" Gyp. Bd. Interior Finish
U-Value of total assembly: U-0.033
R-Value of insulation: R-8.75+R-19

Exterior Walls #3
Description of assembly: 2" Composite Metal Panel1, Rigid Insulation (R-8.75) (R-7.5 Required). Bldg. Paper, 5/8" Glass-Mat, 6" Blanket Insulation (R-19) (R-19 Required), 6" Metal Studs, 5/8" Gyp. Bd. Interior Finish
U-Value of total assembly: U-0.033
R-Value of insulation: R-8.75+R-19

Openings (windows or doors with glazing)	EXTERIOR FRP DOOR	ALUMINUM ENTRANCE	WINDOWS
U-Value of assembly	0.125	0.38	0.38
Solar heat gain coefficient	N/A	0.25	0.25
Projection factor	N/A	0	0
Door R-Value	8.0	3.5	N/A

Walls below grade (each assembly) – N/A
Floors over unconditioned space (each assembly) – N/A
Floors slab on grade
Description of assembly: 4" CONCRETE + VAPOR BARRIER + 4" POROUS FILL
R-Value of insulation: R-7.5
Horizontal/vertical requirement: YES
slab heated: NO

Floors slab on grade
Description of assembly: 6" CONCRETE + VAPOR BARRIER + 4" POROUS FILL
R-Value of insulation: R-8.75
Horizontal/vertical requirement: YES
slab heated: NO

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
STRUCTURAL DESIGN
(PROVIDE ON THE STRUCTURAL SHEETS IF APPLICABLE)

DESIGN LOADS:
Importance Factors: Snow (I_S) 1.0
Seismic (I_E) 1.0
Live Loads: Roof 20 psf
Mezzanine 125 psf
Floor 250 psf
Ground Snow Load: 10 psf
Wind Load: Ultimate Wind Speed 122 mph (ASCE-7)
Exposure Category C

SEISMIC DESIGN CATEGORY: B
Provide the following Seismic Design Parameters:
Risk Category (Table 1604.5) II
Spectral Response Acceleration S_S 12.50 %g S_1 6.4 %g
Site Classification (ASE 7) D
Data Source: Field Test
Basic structural system Moment Frame
Analysis Procedure: Equivalent Lateral Force
Architectural, Mechanical, Components anchored? No

LATERAL DESIGN CONTROL: Wind

SOIL BEARING CAPACITIES:
Field Test (provide copy of test report) 2000 psf

BUILDING CODE PLAN A1.8
1/16" = 1'-0"

MATERIALS KEYING LEGEND

GENERAL NOTES

KEY PLAN

NO	REVISION	DATE

SEAL: JOHN K. FARKAS, REGISTERED ARCHITECT, 4/2/2024, NORTH CAROLINA

JKF ARCHITECTURE

825 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

PITT COMMUNITY COLLEGE
NEW WELDING BUILDING

WINTERVILLE, NC

DRAWING TITLE
BUILDING CODE ANALYSIS, LEGENDS, SYMBOLS & ABBREVIATIONS

SCALE: AS NOTED	DRAWING NO: BCI.1
DRAWN: MBD	
CHECKED: JKF	
DATE: 2-15-2024	
PROJECT NO: 2022-07	

SITE DEVELOPMENT PLANS FOR

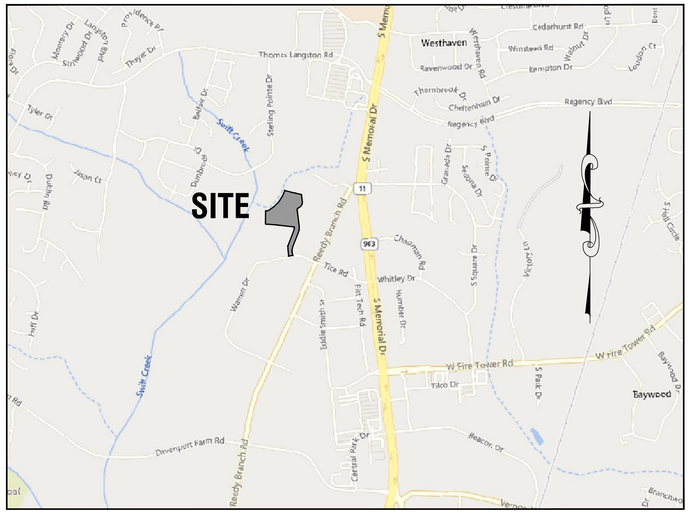
PITT COMMUNITY COLLEGE
WELDING BUILDING

TOWN OF WINTERVILLE - PITT COUNTY, NC

SITE DATA	
SITE ADDRESS:	0 REEDY BRANCH ROAD WINTERVILLE, NC 28590
TOTAL ACREAGE IN SITE:	22.63 ACRES
DISTURBED AREA:	283,140 SF (6.5 ACRES)
CURRENT ZONING:	O&I
NC PIN NUMBER:	4676-30-0554
TAX PARCEL NUMBER:	50204
EXISTING BUILDING AREA:	0 SF
PROPOSED BUILDING AREA(FOOTPRINT):	29,879 SF
TOTAL BUILDING AREA:	**29,879 SF**
BUILDING LOT COVERAGE:	3.03%
BUILDING HEIGHT(IN FEET AND STORIES):	<31'± (2-STORIES)
EXISTING IMPERVIOUS PARKING AREA:	0 SF
EXISTING IMPERVIOUS PARKING AREA(TO BE REMOVED)	0 SF
PROPOSED IMPERVIOUS PARKING AREA:	64,626 SF
EXISTING CONC. WALKS, APRONS, ETC.:	0 SF
EXISTING CONC. WALKS, APRONS, ETC.(TO BE REMOVED)	0 SF
PROPOSED CONC. WALKS, APRONS, ETC.:	30,783 SF
TOTAL IMPERVIOUS AREA PRE DEVELOPMENT:	**0 SF**
TOTAL IMPERVIOUS AREA POST DEVELOPMENT:	**125,772 SF**
TOTAL INCREASE IN IMPERVIOUS AREA	**125,772 SF**
% IMPERVIOUS LOT COVERAGE EXPANSION:	0%
IMPERVIOUS LOT COVERAGE:	12.76%
REQUIRED PARKING SPACES:	40*
EXISTING PARKING SPACES:	0
PARKING SPACES PROVIDED:	51
REQUIRED HC PARKING SPACES:	3
PROVIDED HC PARKING SPACES:	4
LAND USE CLASSIFICATION	3

*PROPOSED PARKING TABULATION

COLLEGES/UNIVERSITIES:
1 SPACE PER 5 STUDENTS(150) = 30 SPACES
1 SPACE PER 1 EMPLOYEE(10) = 10 SPACES
TOTAL REQUIRED PARKING SPACES: 40



Vicinity Map

SCALE: 1" = 1,000'

Sheet List Table	
Sheet Number	Sheet Title
C0.0	COVER SHEET
C0.1	EXISTING CONDITIONS & DEMOLITION PLAN-SOUTH
C0.2	EXISTING CONDITIONS & DEMOLITION PLAN-NORTH
C1.0	OVERALL SITE PLAN
C1.1	SITE PLAN-SOUTH
C1.2	SITE PLAN-NORTH
C2.1	UTILITY PLAN-SOUTH
C2.2	UTILITY PLAN-NORTH
C3.1	GRADING & DRAINAGE PLAN-SOUTH
C3.2	GRADING & DRAINAGE PLAN-NORTH
C3.3	STORMWATER CONTROL PLAN
C4.1	EROSION CONTROL PLAN - PH1
C4.2	EROSION CONTROL PLAN - PH2
C5.1	EROSION CONTROL DETAILS
C5.2	EROSION CONTROL NOTES
C6.1	SITE DETAILS
C7.1	WATER DETAILS
C7.2	SANITARY AND STORM SEWER DETAILS
C8.1	PLAN & PROFILE
L1.1	LANDSCAPE PLAN-SOUTH
L1.2	LANDSCAPE PLAN-NORTH
L1.3	LANDSCAPE DETAILS, NOTES, & SCHEDULE

CIVIL ENGINEER

Rivers & Associates, Inc.
Greenville, NC

Rivers & ASSOCIATES, INC. Since 1918

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JKF ARCHITECTURE

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Contact: John K. Farkas, AIA LEED-AP BD+C
jkf@jkf-arch.com

GENERAL NOTES:

1. CONTRACTOR MUST NOTIFY NORTH CAROLINA ONE-CALL CENTER, INC. (NC-811) AT LEAST 72 HOURS PRIOR TO THE START OF EXCAVATION TO HAVE ALL UNDERGROUND UTILITIES LOCATED PRIOR TO EXCAVATING OR TRENCHING.
2. ELECTRIC AND TELEPHONE UTILITIES SHALL BE INSTALLED UNDERGROUND.
3. ALL REQUIRED IMPROVEMENTS SHALL COMPLY WITH THE TOWN OF WINTERVILLE MANUAL OF STANDARD DESIGNS AND DETAILS AND THE MANUAL FOR THE DESIGN AND CONSTRUCTION OF WATER AND WASTEWATER SYSTEM EXTENSIONS FOR GREENVILLE UTILITIES COMMISSION.
4. CONSTRUCTION PLAN APPROVAL FROM GREENVILLE UTILITIES COMMISSION AND THE TOWN OF WINTERVILLE SHALL BE OBTAINED PRIOR TO CONSTRUCTION OF ANY STREET, WATER, AND/OR SANITARY SEWER AND STORM DRAINAGE SYSTEMS.
5. PORTIONS OF THIS PROPERTY ARE LOCATED WITHIN A "ZONE X" (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN)AS DETERMINED FROM FIRM MAP NUMBER 3720467500K AND 3720467600K, EFFECTIVE JULY 7, 2014.
6. EROSION CONTROL PLAN APPROVAL REQUIRED.
7. STORMWATER MANAGEMENT PLAN APPROVAL REQUIRED.
8. BUILDINGS MUST MEET ALL APPLICABLE BUILDING CODES. SITE SHALL MEET ALL RELATIVE NORTH CAROLINA ACCESSIBILITY CODE REQUIREMENTS.
9. NCDOT AND TOWN OF WINTERVILLE DRIVEWAY PERMITS ARE NOT REQUIRED.
10. ANY UNUSED DRIVEWAY SHALL BE CLOSED IN ACCORDANCE WITH TOWN OF WINTERVILLE'S DRIVEWAY ORDINANCE.
11. REFUSE COLLECTION SHALL BE PROVIDED BY PRIVATE CONTRACTOR.
12. ALL DIMENSIONS ARE TO BACK OF CURB UNLESS OTHERWISE NOTED.
13. APPROVAL OF SITE PLAN DOES NOT CONSTITUTE APPROVAL OF SIGNS. SEPARATE SIGN PERMITS ARE REQUIRED.
14. CONTRACTOR SHALL NOTIFY PUBLIC WORKS STREET MAINTENANCE DIVISION 48 HOURS PRIOR TO MAKING CONNECTIONS TO EXISTING STORM DRAINS LOCATED WITHIN PUBLIC STORM DRAINAGE EASEMENTS OR R/W.
15. ACCESS TO PUBLIC UTILITIES MUST BE MADE AVAILABLE AT ALL TIMES.
16. GUC ELECTRIC EASEMENT IS 10' IN WIDTH AND CENTERED OVER ELECTRIC LINES AS INSTALLED.
17. NO BUILDINGS, STRUCTURES OR OTHER IMPROVEMENTS, MATERIALS AND SURFACES, INCLUDING BUT NOT LIMITED TO PRINCIPLE AND ACCESSORY STRUCTURES AND ADDITIONS AND APPURTENANCES THERETO, SIGNAGE, FENCES, WALLS, MECHANICAL EQUIPMENT, CANOPIES, ANTENNAS, MASTS, DEBRIS, SOLID WASTE COLLECTION CONTAINERS, MAIL RECEPTACLES AND IMPERVIOUS SURFACES SHALL ENCROACH WITHIN ANY DEDICATED EASEMENT WITHOUT PRIOR APPROVAL OF GREENVILLE UTILITIES OR CITY OF GREENVILLE, AS APPROPRIATE.
18. THIS SITE DOES NOT REQUIRE ANNEXATION UPON APPROVAL OF SITE PLAN.
19. LANE CLOSURES ON THOROUGHFARE ROADS ARE ONLY PERMITTED BETWEEN THE HOURS OF 9:00AM AND 4:00PM, MONDAY THROUGH FRIDAY, UNLESS OTHERWISE PERMITTED BY THE TRAFFIC ENGINEER IN ADDITION , THERE WILL BE NO LANE CLOSURES ON HOLIDAYS INCLUDING THE DAY BEFORE OR AFTER SAID HOLIDAY. A TRAFFIC CONTROL PLAN PREPARED IN ACCORDANCE WITH THE NCDOT MANUAL OF UNIFORM TRAFFIC CONTROL DEVISES IS REQUIRED FOR ALL LANE CLOSURES AND MUST BE APPROVED BY THE TRAFFIC ENGINEER.
20. ALL SITE LIGHTING SHALL COMPLY WITH THE TOWN OF WINTERVILLE LIGHTING STANDARD.
21. NEW BUILDINGS MUST COMPLY WITH NC FIRE CODE SECTION 510-EMERGENCY RESPONDER RADIO COVERAGE.
22. PLEASE BE ADVISED OF THE RULES WHICH PROTECT AND MAINTAIN EXISTING BUFFERS ALONG WATERCOURSES IN THE NEUSE AND TAR/PAMILICO RIVER BASINS. THIS RULE IS ENFORCED BY THE DIVISION OF WATER QUALITY (DWQ). DIRECT ANY QUESTIONS ABOUT THE APPLICABILITY OF THIS RULE TO YOUR PROJECT TO ROGER THORPE, REGIONAL WATER QUALITY SUPERVISOR, WASHINGTON REGIONAL OFFICE, AT (919) 946-6481.

MATERIALS KEYING LEGEND

GENERAL NOTES

SCO ID #22-25191-01A

RAI Project 2023010 DWG W-4074

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(252) 752-4135
Engineers
Planners
Surveyors
Landscape Architects

NO	REVISION	DATE

SEAL — NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1232 STEPHEN JANOWSKI

JKF ARCHITECTURE
625 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

PITT COMMUNITY COLLEGE
WELDING BUILDING
TOWN OF WINTERVILLE - PITT COUNTY - NC

DRAWING TITLE: COVER SHEET

SCALE	1" = 30'
DRAWN	NRW
CHECKED	JSJ
DATE	02/15/2024
PROJECT NO.	2022-07
DRAWING NO	C0.0

P:\LANDDEV\JKF PCC_WELDING_BLDG 2022\01\CADD_DWG\SHEETS\W-4074 COVER.DWG - LAYOUT1 - 2/16/2024 1:42:38 PM - RYAN WELLS

GENERAL DEMOLITION NOTES:

1. INSTALL EROSION AND SEDIMENTATION CONTROL MEASURES PRIOR TO INITIATING ANY LAND DISTURBING ACTIVITIES, INCLUDING DEMOLITION.
2. CONTRACTOR SHALL SAW CUT EXISTING ASPHALT WHEN EXCAVATING IN PUBLIC RIGHT OF WAY, NEAT, STRAIGHT SAW CUT LINES SHALL BE MAINTAINED TO PROVIDE FOR NEAT ROADWAY PATCHING. SEE DETAIL FOR ROADWAY PATCH REQUIREMENTS.
3. EXISTING CURB AND GUTTER AND SIDEWALK THAT IS DESIGNATED TO BE REMOVED, SHALL BE REMOVED SO THAT A LEFTOVER JOINT OF CURB IS A MINIMUM OF 5' IN LENGTH.
4. BEFORE EXCAVATION, ALL UNDERGROUND UTILITIES SHALL BE LOCATED IN THE FIELD BY THE PROPER AUTHORITIES. THE CONTRACTOR SHALL CONTACT NC 811, BY DIALING 811. THE LOCATION OF ALL UTILITIES AND UNDERGROUND STRUCTURES ARE APPROXIMATE AND MAY NOT ALL BE SHOWN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND EXACT LOCATION OF ALL UTILITIES AND UNDERGROUND STRUCTURES.
5. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL LOCAL AND STATE PERMITS REQUIRED FOR DEMOLITION WORK.
6. THE CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS THE OWNER AND/OR ENGINEER FOR ANY AND ALL INJURIES AND/OR DAMAGES TO PERSONNEL, EQUIPMENT AND/OR EXISTING FACILITIES IN THE DEMOLITION AND CONSTRUCTION DESCRIBED IN THE PLANS AND SPECIFICATIONS.
7. EXISTING CONDITIONS AS DEPICTED ON THESE PLANS ARE GENERAL AND ILLUSTRATIVE IN NATURE AND DO NOT INCLUDE MECHANICAL, ELECTRICAL AND MISCELLANEOUS STRUCTURES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EXAMINE THE SITE AND BE FAMILIAR WITH EXISTING CONDITIONS PRIOR TO BIDDING ON THE DEMOLITION WORK FOR THIS PROJECT. IF CONDITIONS ENCOUNTERED DURING EXAMINATION ARE SIGNIFICANTLY DIFFERENT THAN THOSE SHOWN, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.
8. ALL EXISTING ABOVE AND BELOW GROUND STRUCTURES WITHIN THE LIMITS OF NEW CONSTRUCTION SHALL BE RAZED UNLESS NOTED OTHERWISE WITHIN THIS CONSTRUCTION SET, ARCHITECTURAL PLANS AND/OR PROJECT SPECIFICATIONS. THIS INCLUDES FOUNDATION SLABS, WALLS, AND FOOTINGS.
9. ALL DEMOLITION WASTE AND CONSTRUCTION DEBRIS SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF IN A STATE APPROVED WASTE SITE AND IN ACCORDANCE WITH ALL LOCAL AND STATE CODES AND PERMIT REQUIREMENTS.
10. ALL UTILITY REMOVAL, RELOCATION, CUTTING, CAPPING AND/OR ABANDONMENT SHALL BE COORDINATED WITH THE APPROPRIATE UTILITY COMPANY.
11. THE BURNING OF CLEARED MATERIAL AND DEBRIS SHALL NOT BE ALLOWED UNLESS CONTRACTOR GETS WRITTEN AUTHORIZATION FROM THE LOCAL AUTHORITIES.
12. EROSION AND SEDIMENTATION CONTROL MEASURES AROUND AREAS OF DEMOLITION SHALL BE INSTALLED PRIOR TO INITIATION OF DEMOLITION ACTIVITIES. REFER TO EROSION CONTROL PLAN FOR DETAILS.
13. ASBESTOS OR HAZARDOUS MATERIALS, IF FOUND ON SITE, SHALL BE REMOVED BY A LICENSED HAZARDOUS MATERIALS CONTRACTOR. CONTRACTOR SHALL NOTIFY OWNER IMMEDIATELY IF HAZARDOUS MATERIALS ARE ENCOUNTERED.
14. CONTRACTOR SHALL PROTECT ALL CORNER PINS, MONUMENTS, PROPERTY CORNERS, AND BENCHMARKS DURING DEMOLITION ACTIVITIES. IF DISTURBED, CONTRACTOR SHALL HAVE DISTURBED ITEMS RESET BY A LICENSED SURVEYOR AT NO ADDITIONAL COST TO THE OWNER.
15. CONTRACTOR SHALL ADHERE TO ALL LOCAL, STATE, FEDERAL, AND OSHA REGULATIONS WHEN OPERATING DEMOLITION EQUIPMENT AROUND UTILITIES.
16. CONTRACTOR SHALL PROVIDE AND MAINTAIN TRAFFIC CONTROL MEASURES IN ACCORDANCE WITH THE NCDOT STANDARDS, AND AS REQUIRED BY LOCAL AGENCIES WHEN WORKING IN AND/OR ALONG STREETS, ROADS, HIGHWAYS, ETC. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN APPROVAL AND COORDINATE WITH THE LOCAL AND/OR STATE AGENCIES REGARDING THE NEED, EXTENT, AND LIMITATIONS ASSOCIATED WITH INSTALLING AND MAINTAINING TRAFFIC CONTROL MEASURES.
17. CONTRACTOR SHALL PROTECT AT ALL TIMES ADJACENT STRUCTURES AND ITEMS FROM DAMAGE DUE TO DEMOLITION ACTIVITIES.
18. CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION.
19. TREES AND SHRUBS ON ADJACENT PROPERTY TO BE PROTECTED.
20. REMOVE EXISTING DRIVEWAYS, SIDEWALK AND CURB AND GUTTER AS DEPICTED ON THE PLAN..
21. CONTRACTOR TO COORDINATE REMOVAL OF EXISTING UTILITIES WITH LOCAL UTILITY. THE CONTRACTOR AND ALL SUB-CONTRACTORS SHALL TAKE ALL NECESSARY PRECAUTIONS TO ENSURE THAT PAINTS, LIQUID WASTES, DEMOLITION MATERIALS, CONCRETE AND SEDIMENT DO NOT ENTER STREAMS OR STORM DRAINS OR HAVE CONTACT WITH SURFACE WATERS, WETLANDS OR BUFFERS. FAILURE TO DO SO WILL BE CONSIDERED A VIOLATION OF THE NPDES GENERAL PERMIT NCG010000 FOR CONSTRUCTION ACTIVITIES AND MAY RESULT IN STATE OR FEDERAL CIVIL OR CRIMINAL PENALTIES.
22. EXISTING WATER & SANITARY SEWER SERVICES TO BE ABANDONED/REMOVED SHALL BE ACCOMPLISHED IN ACCORDANCE WITH GUC DESIGN MANUAL AND CURRENT POLICIES. CONTRACTOR TO PROVIDE RECORD DRAWINGS/LOCATION/SIZES OF SERVICES WHICH WERE REMOVED.
23. DAMAGED ASPHALT IN R/W MUST BE REPAIRED WITH HOT MIX ASPHALT. PATCH WIDTH 12" MIN. PATCH MIXTURE AND DEPTH MUST MATCH CURRENT PAVEMENT SECTION.

LEGEND

Symbol	Description
9 / 10 / 7	CONTOURS
	DEPRESSED CONTOUR
	BOUNDARY
	RIGHT OF WAY (R/W)
	PITT COUNTY GIS PARCEL LINES
	WOODSLINE
	100 YEAR FLOOD LINE
	500 YEAR FLOOD LINE
	CENTERLINE OF DITCH
	TOP OF BANK OF DITCH
	FIELD EDGE
FO	UNDERGROUND FIBER OPTIC(NOT MARKED)
G	GAS LINE(NOT MARKED)
UGE	UNDERGROUND ELECTRIC(NOT MARKED)
	STORM DRAINAGE PIPE
W	WATER LINE(NOT MARKED)
FM	FORCE MAIN PIPE(NOT MARKED)
S	SANITARY SEWER LINE
X	CHAINLINK FENCE (CLF)
	NEUSE BUFFER LINE
MTL	METAL
	LIGHT POLE
	FIELD FLOOD LIGHT
	LIGHT ON BOLLARD
WV	WATER VALVE
TP	TELEPHONE PEDESTAL
FH	FIRE HYDRANT
E	ELECTRIC MANHOLE (EMH)
S	SANITARY SEWER MANHOLE (SSMH)
	BORE
FLP	FOUL LINE POLE
VP	VINYL POST
D.B.	DEED BOOK
M.B.	MAP BOOK
PG.	PAGE
B/B	BACK TO BACK (CURB)
DIA.	DIAMETER
MTL	METAL
CONC.	CONCRETE
TYP.	TYPICAL
CP	CONCRETE PIPE
	CATCH BASIN BACK OF CURB
FP	FLAG POLE
EB	ELECTRIC BOX
SSMKR	SANITARY SEWER MARKER
WP-FO MKR	WOOD POST FIBER OPTIC MARKER
TBM	TEMPORARY BENCHMARK (TBM)
PVC	POLYVINYL CHLORIDE (WL)
INV.	INVERT
ORN	ORNAMENTAL TREE
	PINE TREE
× 50.0 NG	NATURAL GROUND
× 50.0 TB	TOP OF BANK
× 50.0 TOE	TOE OF BANK
× 50.0 CLD	TOP OF CENTERLINE OF DITCH
× 50.00 TC	TOP OF CONCRETE
× 50.00 BC	BACK OF CURB
× 50.00 TA	TOP OF ASPHALT
× 50.00 EP	EDGE OF PAVEMENT
	ASPHALT
	CONCRETE
	UTILITY EASEMENT

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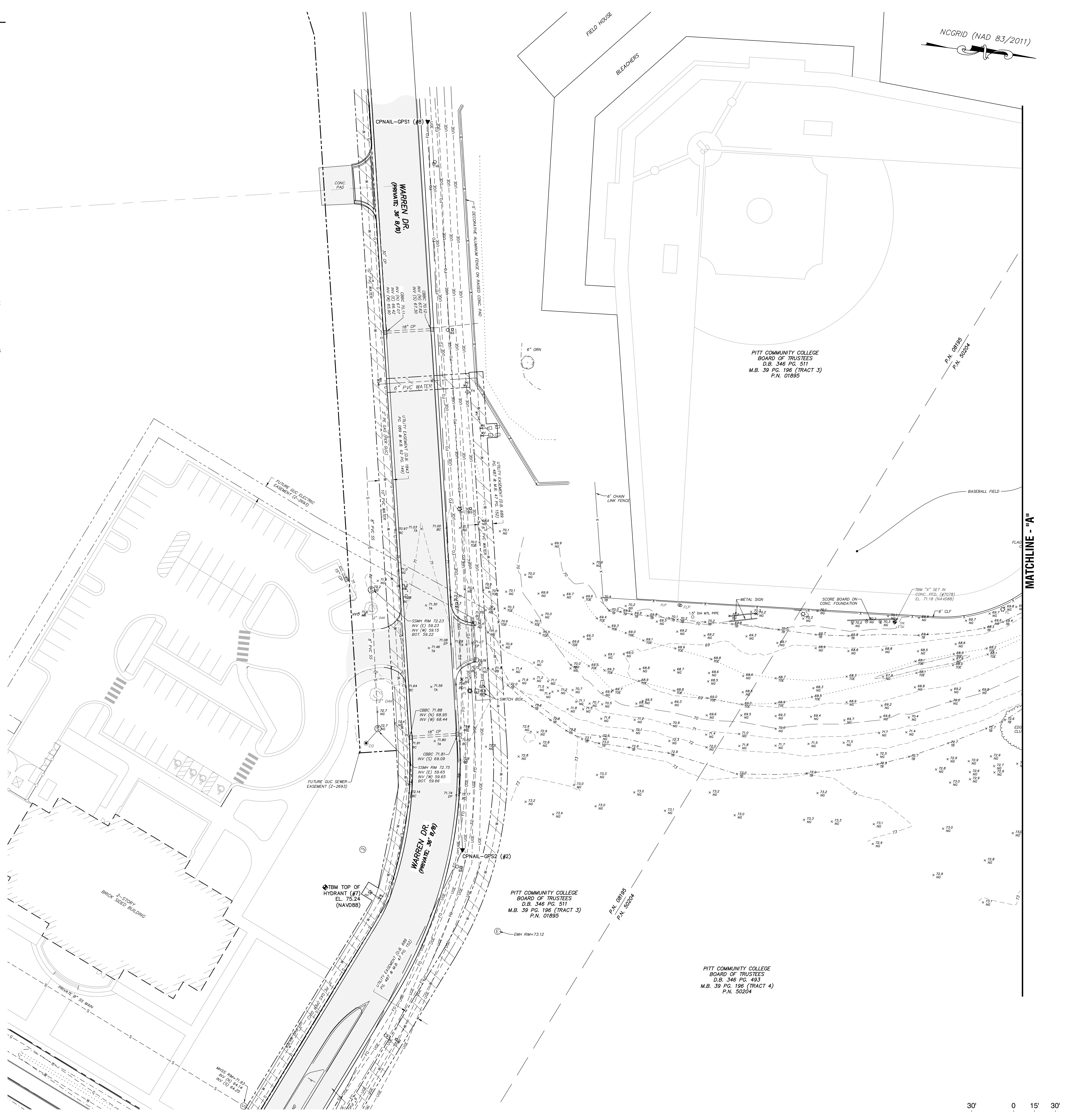

MATERIALS KEYING LEGEND

GENERAL NOTES

SCO ID #22-25191-01A

RAI Project 2023010 DWG W-4074

NC License: F-0334

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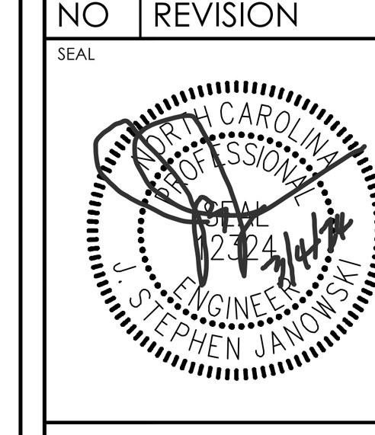
SEAL



JKF ARCHITECTURE

625 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

PITT COMMUNITY COLLEGE
WELDING BUILDING
TOWN OF WINTERVILLE - PITT COUNTY - NC

DRAWING TITLE

EXISTING CONDITIONS & DEMOLITION PLAN-SOUTH

SCALE 1" = 30'
DRAWN NRW
CHECKED JSJ
DATE 02/15/2024
PROJECT NO. 2022-07

DRAWING NO C0.1

GENERAL NOTES:

1. ALL DISTANCES ARE HORIZONTAL GROUND MEASUREMENTS (US SURVEY FOOT).
2. NO POINTS SET UNLESS OTHERWISE INDICATED.
3. PORTIONS OF THIS PROPERTY ARE LOCATED WITHIN A "ZONE X" (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN)AS DETERMINED FROM FIRM MAP NUMBER 3720467500K AND 3720467600K, EFFECTIVE JULY 7, 2014.
4. ELEVATIONS AND CONTOURS SHOWN ARE BASED ON NAVD88 DATUM. VERTICAL CONTROL ESTABLISHED FROM NORTH CAROLINA REAL TIME SOLUTION (CLASS C).
5. THIS SURVEY WAS PERFORMED WITHOUT THE BENEFIT OF A TITLE COMMITMENT REPORT. RIVERS AND ASSOCIATES DOES NOT CLAIM THAT ALL MATTERS OF RECORD WHICH MAY OR MAY NOT AFFECT THIS PROPERTY ARE SHOWN HEREON.
6. PROPERTY SUBJECT TO ANY AND ALL EASEMENTS, RIGHTS OF WAY, RESTRICTIVE COVENANTS WHICH MAY BE OF RECORD.
7. UTILITIES: UNDERGROUND UTILITIES PLOTTED FROM PRIOR SURVEYS AND MAPS PROVIDED BY OTHERS AS NOTED. ACTUAL LOCATIONS MAY VARY. OTHER UTILITIES MAY EXIST. SURVEYOR CANNOT PROVIDED ACCURACY OF UNDERGROUND UTILITIES. CONTRACTOR SHOULD CONTACT NC811 AT 1-800-632-4949 TO HAVE UNDERGROUND UTILITIES LOCATED PRIOR TO EXCAVATING OR TRENCHING. NO NC811 TICKETS REQUESTED FOR THIS WORK. NC811 TICKET: A230934229. (NO NC811 MARKINGS).
8. UTILITIES: THE SURVEYOR MAKES NO GUARANTEE THE UTILITIES SHOWN ARE COMPRISED OF ALL SUCH UTILITIES IN THE AREA OF SURVEY EITHER IN SERVICE OR ABANDONED. THE SURVEY FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED, AS ONLY SCHEMATIC DATA WAS PROVIDED TO THE SURVEYOR BY GUC AND USIC. THE SURVEYOR HAS NOT PHYSICALLY UNCOVERED AND LOCATED ANY UNDERGROUND UTILITIES.
9. PIPE INVERTS SHOWN HEREON WERE OBTAINED WITHOUT CONFINED SPACE ENTRY BY THE MOST PRACTICAL METHODS AVAILABLE TO THE SURVEYOR.
10. PER THE PITT COUNTY OPIS THIS PROPERTY IS ZONED OFFICE AND INSTITUTIONAL (O & I).
11. SITE HAS NOT BEEN EVALUATED BY A SOIL SCIENTIST FOR ENVIRONMENTAL CONCERNS.

REFERENCES:

D.B. 346 PG. 493	M.B. 10 PG. 100
D.B. 346 PG. 511	M.B. 51 PG. 156
M.B. 39 PG. 196	D.B. Z 37 PG. 376
D.B. 1843 PG. 89	D.B. P 37 PG. 640
D.B. 689 PG. 487	D.B. J 41 PG. 152
D.B. 2848 PG. 800	D.B. H 41 PG. 494
D.B. 2848 PG. 804	D.B. 368 PG. 823
D.B. 2548 PG. 425	D.B. 775 PG. 47
D.B. V 34 PG. 219	RIVERS AND ASSOCIATES DWG.
M.B. 47 PG. 152	W-2639-RD
M.B. 62 PG. 149	STATE HIGHWAY BOOK 1 PG. 8S
D.B. 2806 PG. 279	STATE HIGHWAY BOOK 1 PG. 18A
D.B. X 51 PG. 842	
D.B. V 51 PG. 663	
M.B. 38 PG. 177	

LEGEND

CONTOURS
DEPRESSED CONTOUR
BOUNDARY
RIGHT OF WAY (R/W)
PITT COUNTY GIS PARCEL LINES
WOODSLINE
100 YEAR FLOOD LINE
500 YEAR FLOOD LINE
CENTERLINE OF DITCH
TOP OF BANK OF DITCH
FIELD EDGE
UNDERGROUND FIBER OPTIC (NOT MARKED)
GAS LINE (NOT MARKED)
UNDERGROUND ELECTRIC (NOT MARKED)

STORM DRAINAGE PIPE
WATER LINE (NOT MARKED)
FORCE MAIN PIPE (NOT MARKED)
SANITARY SEWER LINE
CHAINLINK FENCE (CLF)
NEUSE BUFFER LINE
MTL METAL
LIGHT POLE
FIELD FLOOD LIGHT
LIGHT ON BOLLARD
WV WATER VALVE
TP TELEPHONE PEDESTAL
FH FIRE HYDRANT
E ELECTRIC MANHOLE (EMH)
S SANITARY SEWER MANHOLE (SSMH)

BORE
FLP FOUL LINE POLE
VP VINYL POST
D.B. DEED BOOK
M.B. MAP BOOK
PG. PAGE
B/B BACK TO BACK (CURB)
DIA. DIAMETER
MTL METAL
CONC. CONCRETE
TYP. TYPICAL
CP CONCRETE PIPE
CATCH BASIN BACK OF CURB
FP FLAG POLE
EB ELECTRIC BOX

SSMKR SANITARY SEWER MARKER
WP-FO MKR WOOD POST FIBER OPTIC MARKER
TBM TEMPORARY BENCHMARK (TBM)
PVC POLYVINYL CHLORIDE (WL)
INV. INVERT
ORN ORNAMENTAL TREE
PINE TREE
×50.0 NG NATURAL GROUND
×50.0 TB TOP OF BANK
×50.0 TOE TOE OF BANK
×50.0 CLD TOP OF CENTERLINE OF DITCH
×50.00 TC TOP OF CONCRETE
×50.00 BC BACK OF CURB
×50.00 TA TOP OF ASPHALT
×50.00 EP EDGE OF PAVEMENT

ASPHALT
CONCRETE
UTILITY EASEMENT
AT&T COMMUNICATION SYSTEM EASEMENT
NEUSE BUFFER PER PITT COUNTY GIS

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30' 0 15' 30'
SCALE 1 inch = 30 ft

MATERIALS KEYING LEGEND

GENERAL NOTES

SCO ID #22-25191-01A

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NO	REVISION	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 12324 ENGINEER J. STEPHEN JANOWSKI

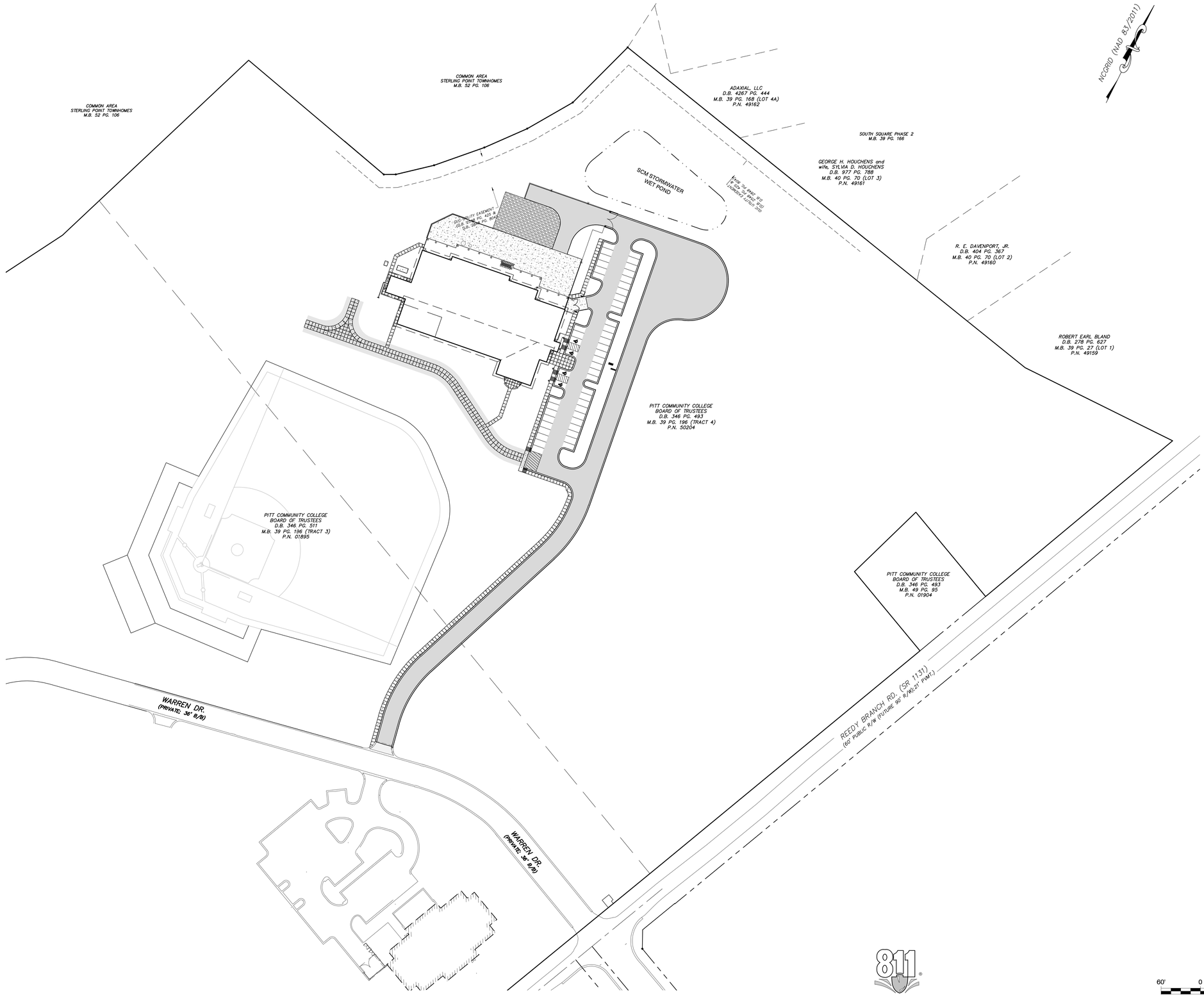
JKF ARCHITECTURE
625 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

PITT COMMUNITY COLLEGE
WELDING BUILDING
TOWN OF WINTERVILLE - PITT COUNTY - NC

DRAWING TITLE
EXISTING CONDITIONS & DEMOLITION PLAN-NORTH

SCALE 1" = 30'
DRAWN NRW
CHECKED JSJ
DATE 02/15/2024
PROJECT NO. 2022-07
DRAWING NO C0.2

P:\LANDDEV\JKF-PCC_WELDING_BLDG-2023010\CADD_DWG\SHEETS\W-4074 DEMO.DWG - LAYOUT2 - 2/16/2024 1:43:26 PM - RYAN WELLS



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PITT COMMUNITY COLLEGE
WELDING BUILDING
TOWN OF WINTERVILLE - PITT COUNTY - NC

DRAWING TITLE

OVERALL SITE PLAN

SCALE	1" = 30'
DRAWN	NRW
CHECKED	JSJ
DATE	02/15/2024
PROJECT NO.	2022-07
DRAWING NO.	C1.0

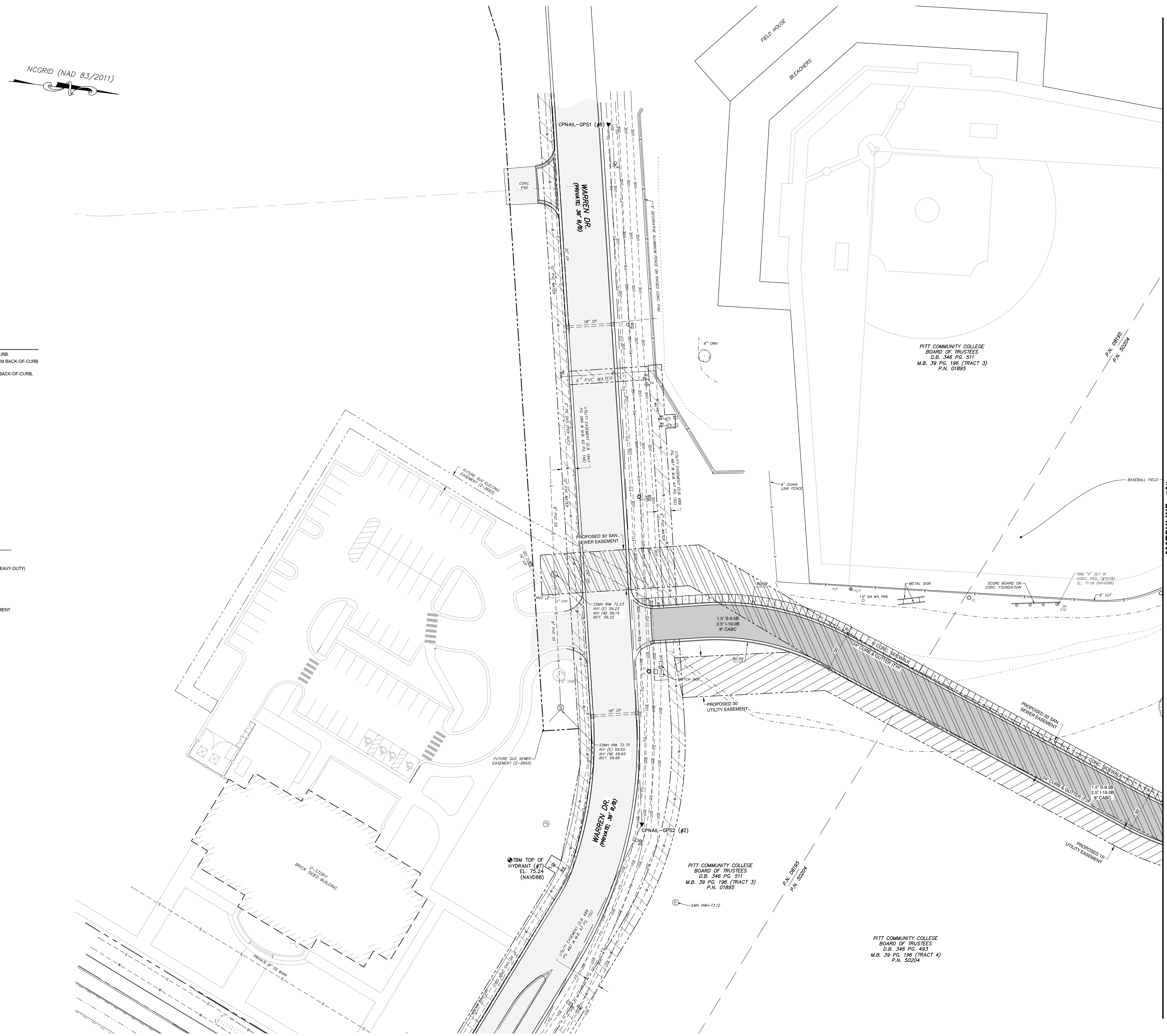
P:\LANDDEV\JKF-PCC_WELDING_BLDG-2023\01\DADD_DWG\SHEETS\W-4074 OVERALL SITE.DWG - LAYOUT1 - 2/16/2024 1:43:02 PM - RYAN.WELLS

NOTES:

1. B/B DENOTES BACK-OF-CURB TO BACK-OF-CURB.
2. END PARKING SPACES ARE DIMENSIONS FROM BACK-OF-CURB TO PARKING STALL STRIPE.
3. DIMENSIONS TO CURB AND GUTTER ARE TO BACK-OF-CURB, UNLESS INDICATED OTHERWISE.

LEGEND:

- PROPOSED CONCRETE
- PROPOSED ASPHALT (HEAVY-DUTY)
- EXISTING ASPHALT
- DRAINAGE EASEMENT
- FIRE APPARATUS EASEMENT
- PROPOSED CABC



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30' 0 15' 30'
SCALE 1 inch = 30 ft

MATERIALS KEYING LEGEND

GENERAL NOTES

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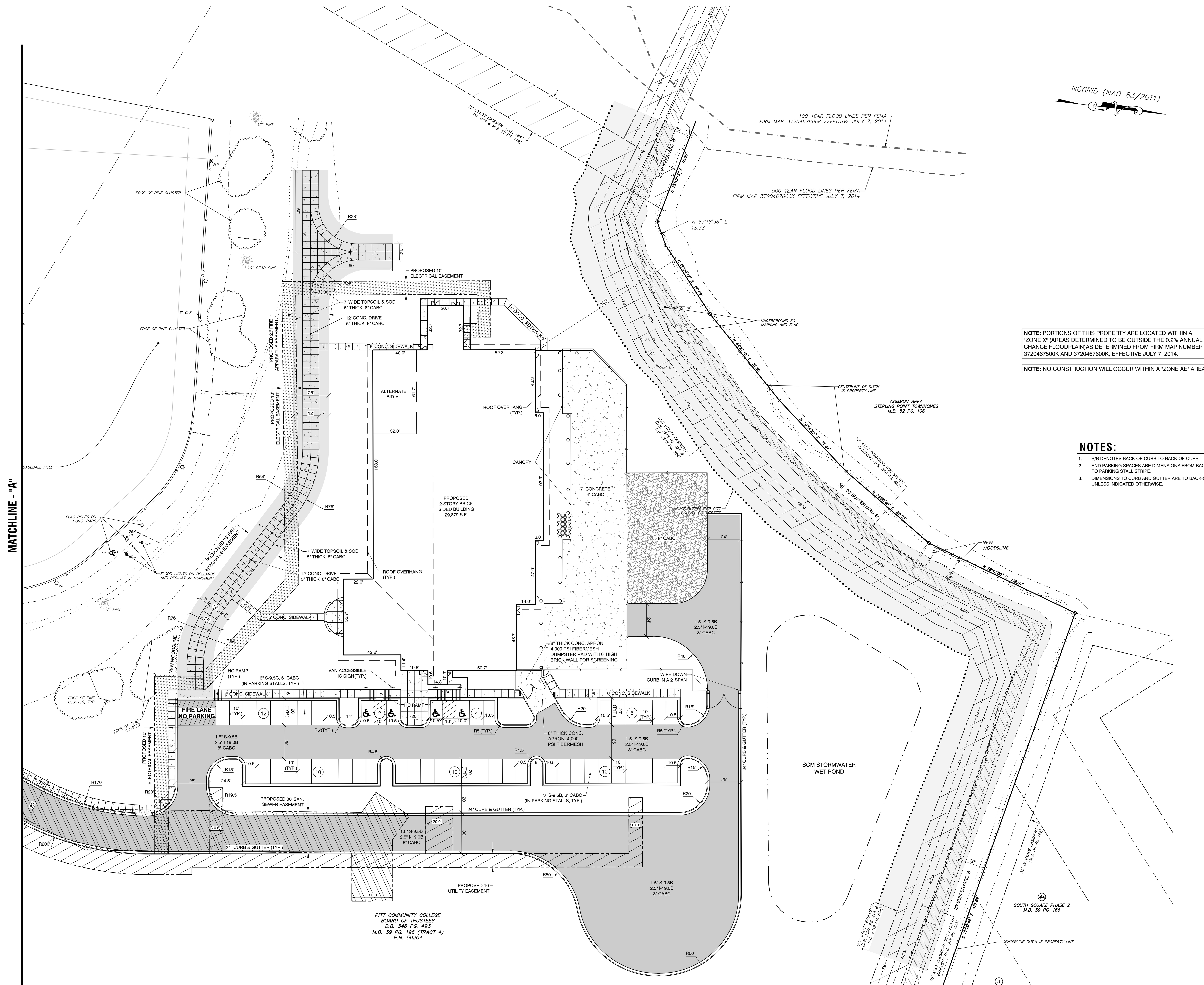
PITT COMMUNITY COLLEGE
WELDING BUILDING
TOWN OF WINTERVILLE - PITT COUNTY - NC

DRAWING TITLE
SITE PLAN-SOUTH

SCALE 1" = 30'
DRAWN NRW
CHECKED JSJ
DATE 02/15/2024
PROJECT NO. 2022-07
DRAWING NO. C1.1



NOTE: PORTIONS OF THIS PROPERTY ARE LOCATED WITHIN A "ZONE X" (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN)AS DETERMINED FROM FIRM MAP NUMBER 3720467500K AND 3720467600K, EFFECTIVE JULY 7, 2014.

NOTE: NO CONSTRUCTION WILL OCCUR WITHIN A "ZONE AE" AREA.

NOTES:

1. B/B DENOTES BACK-OF-CURB TO BACK-OF-CURB.
2. END PARKING SPACES ARE DIMENSIONS FROM BACK-OF-CURB TO PARKING STALL STRIPE.
3. DIMENSIONS TO CURB AND GUTTER ARE TO BACK-OF-CURB, UNLESS INDICATED OTHERWISE.

LEGEND:

- PROPOSED CONCRETE
- PROPOSED ASPHALT (HEAVY-DUTY)
- EXISTING ASPHALT
- DRAINAGE EASEMENT
- FIRE APPARATUS EASEMENT
- PROPOSED CABC

SCALE 1 inch = 30 ft

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NO	REVISION	DATE

SEAL: NORTH CAROLINA PROFESSIONAL SEAL 12324 ENGINEER J. STEPHEN JANOWSKI 3/4/24

JKF ARCHITECTURE
625 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

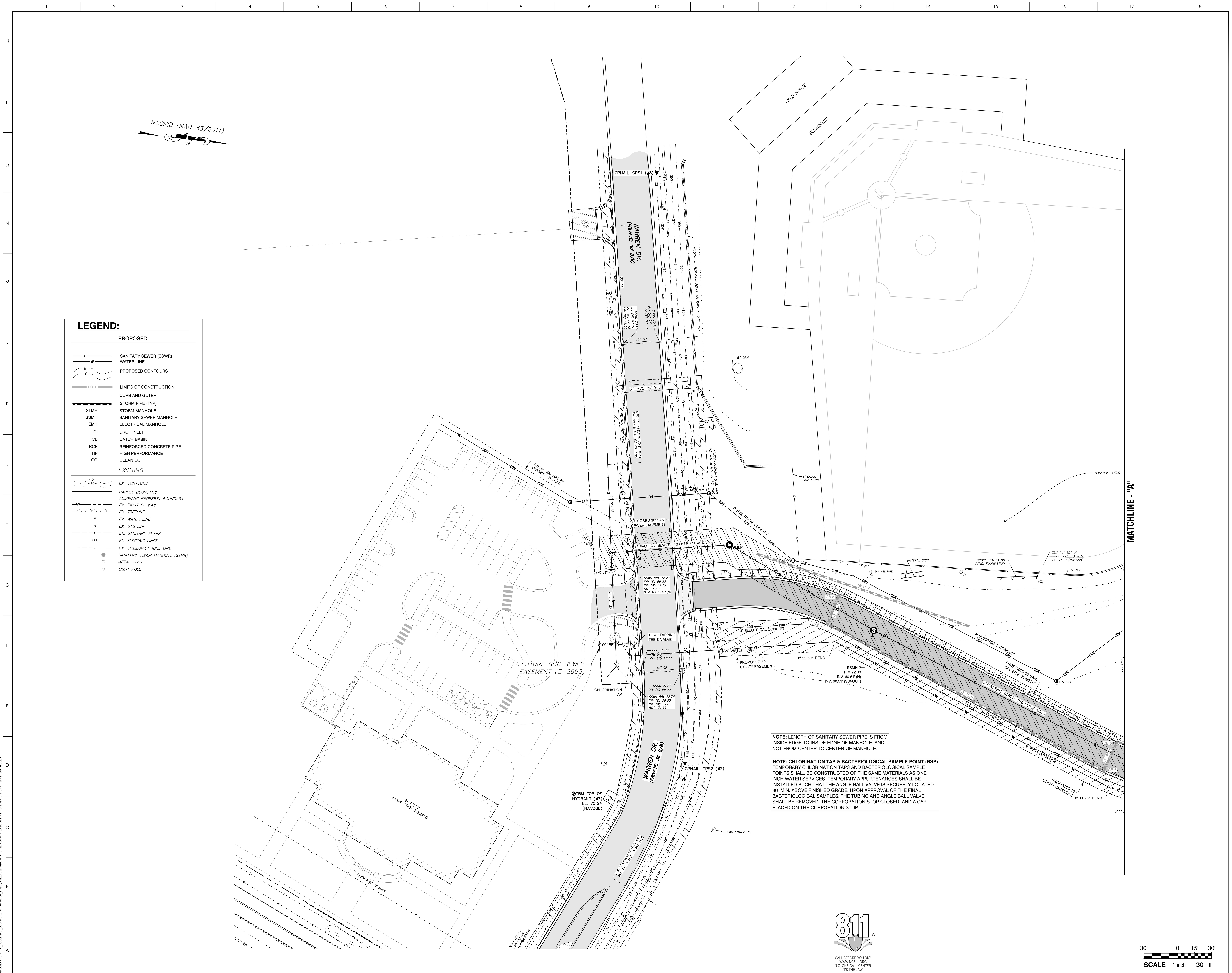
PITT COMMUNITY COLLEGE WELDING BUILDING

TOWN OF WINTERVILLE - PITT COUNTY - NC

DRAWING TITLE

SITE PLAN-NORTH

SCALE	1" = 30'
DRAWN	NRW
CHECKED	JSJ
DATE	02/15/2024
PROJECT NO.	2022-07
DRAWING NO	C1.2



LEGEND:

PROPOSED

S	SANITARY SEWER (SSWR)
W	WATER LINE
9 / 10	PROPOSED CONTOURS
LOD	LIMITS OF CONSTRUCTION
	CURB AND GUTER
	STORM PIPE (TYP)
STMH	STORM MANHOLE
SSMH	SANITARY SEWER MANHOLE
EMH	ELECTRICAL MANHOLE
DI	DROP INLET
CB	CATCH BASIN
RCP	REINFORCED CONCRETE PIPE
HP	HIGH PERFORMANCE
CO	CLEAN OUT

EXISTING

9 / 10	EX. CONTOURS
	PARCEL BOUNDARY
	ADJOINING PROPERTY BOUNDARY
R/W	EX. RIGHT OF WAY
	EX. TREELINE
W	EX. WATER LINE
G	EX. GAS LINE
S	EX. SANITARY SEWER
UGE	EX. ELECTRIC LINES
C	EX. COMMUNICATIONS LINE
	SANITARY SEWER MANHOLE (SSMH)
MP	METAL POST
	LIGHT POLE

NOTE: LENGTH OF SANITARY SEWER PIPE IS FROM INSIDE EDGE TO INSIDE EDGE OF MANHOLE, AND NOT FROM CENTER TO CENTER OF MANHOLE.

NOTE: CHLORINATION TAP & BACTERIOLOGICAL SAMPLE POINT (BSP)
TEMPORARY CHLORINATION TAPS AND BACTERIOLOGICAL SAMPLE POINTS SHALL BE CONSTRUCTED OF THE SAME MATERIALS AS ONE INCH WATER SERVICES. TEMPORARY APPURTENANCES SHALL BE INSTALLED SUCH THAT THE ANGLE BALL VALVE IS SECURELY LOCATED 36" MIN. ABOVE FINISHED GRADE. UPON APPROVAL OF THE FINAL BACTERIOLOGICAL SAMPLES, THE TUBING AND ANGLE BALL VALVE SHALL BE REMOVED, THE CORPORATION STOP CLOSED, AND A CAP PLACED ON THE CORPORATION STOP.

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30' 0 15' 30'
SCALE 1 inch = 30 ft

MATERIALS KEYING LEGEND

GENERAL NOTES

SCO ID #22-25191-01A
RAI Project 2023010 DWG W-4074

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Engineers
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Surveyors
Landscape Architects

NO	REVISION	DATE

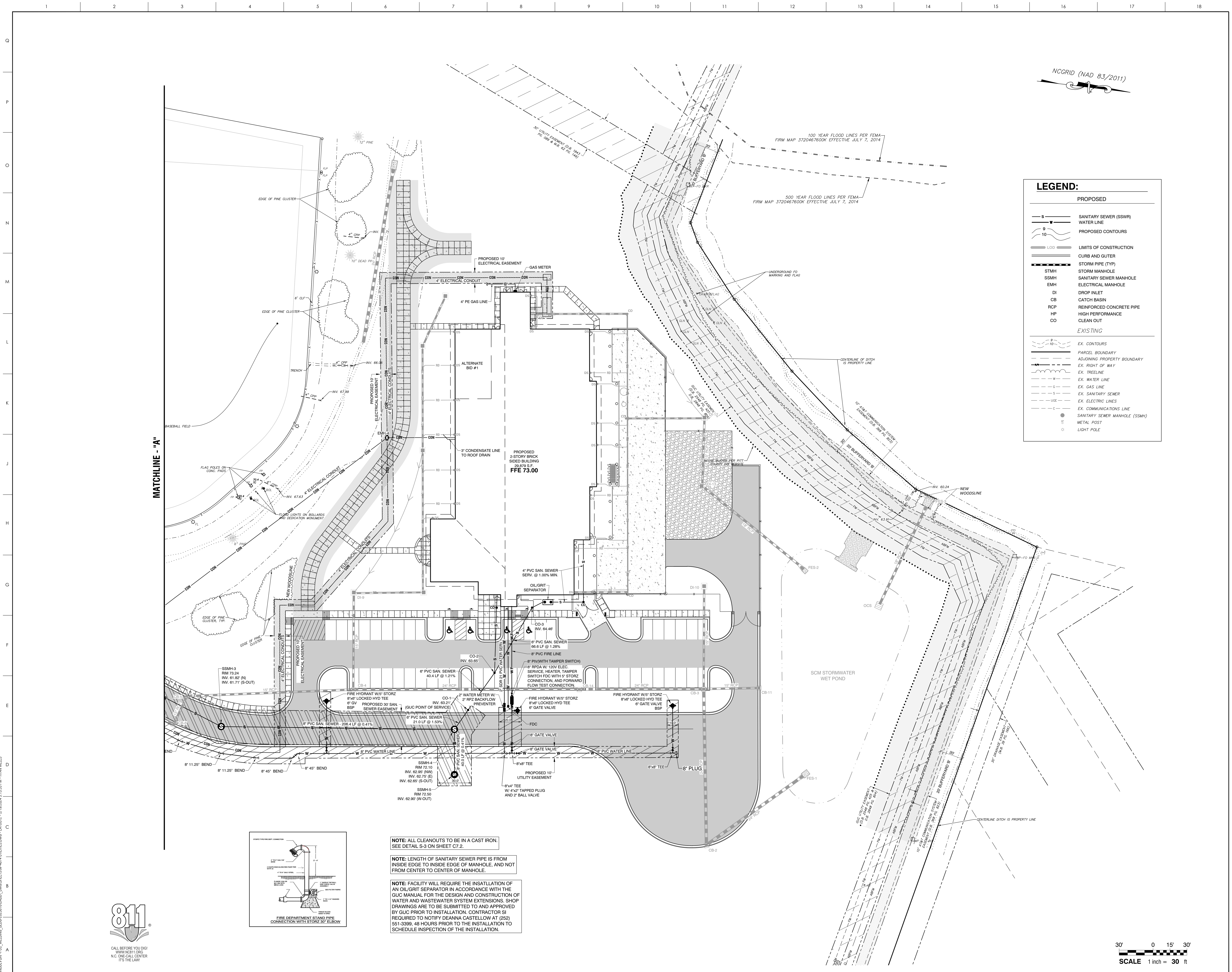
SEAL: NORTH CAROLINA PROFESSIONAL SEAL 12324 ENGINEER J. STEPHEN JANOWSKI

JKF ARCHITECTURE
625 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

PITT COMMUNITY COLLEGE
WELDING BUILDING
TOWN OF WINTERVILLE - PITT COUNTY - NC

DRAWING TITLE
UTILITY PLAN-SOUTH

SCALE	1" = 30'
DRAWN	NRW
CHECKED	JSJ
DATE	02/15/2024
PROJECT NO.	2022-07
DRAWING NO	C2.1



NCGRID (NAD 83/2011)
MATCHLINE - "A"
100 YEAR FLOOD LINES PER FEMA FIRM MAP 3720467600K EFFECTIVE JULY 7, 2014
500 YEAR FLOOD LINES PER FEMA FIRM MAP 3720467600K EFFECTIVE JULY 7, 2014
LEGEND:
PROPOSED
SANITARY SEWER (SSWR)
WATER LINE
PROPOSED CONTOURS
LIMITS OF CONSTRUCTION
CURB AND GUTER
STORM PIPE (TYP)
STMH STORM MANHOLE
SSMH SANITARY SEWER MANHOLE
EMH ELECTRICAL MANHOLE
DI DROP INLET
CB CATCH BASIN
RCP REINFORCED CONCRETE PIPE
HP HIGH PERFORMANCE
CO CLEAN OUT
EXISTING
EX. CONTOURS
PARCEL BOUNDARY
ADJOINING PROPERTY BOUNDARY
EX. RIGHT OF WAY
EX. TREELINE
EX. WATER LINE
EX. GAS LINE
EX. SANITARY SEWER
EX. ELECTRIC LINES
EX. COMMUNICATIONS LINE
SANITARY SEWER MANHOLE (SSMH)
METAL POST
LIGHT POLE
EDGE OF PINE CLUSTER
PROPOSED 10' ELECTRICAL EASEMENT
GAS METER
4" ELECTRICAL CONDUIT
4" PE GAS LINE
ALTERNATE BID #1
3" CONDENSATE LINE TO ROOF DRAIN
PROPOSED 2-STORY BRICK SIDED BUILDING 29,879 S.F.
FFE 73.00
UNDERGROUND FO MARKING AND FLAG
CENTERLINE OF DITCH IS PROPERTY LINE
NEW WOODSLINE
BASEBALL FIELD
FLAG POLES ON CONC. PADS
FLOOD LIGHTS ON BOLLARDS AND DEDICATION MONUMENT
4" PVC SAN. SEWER SERV. @ 1.00% MIN.
OIL/GRIT SEPARATOR
CO-3 INV. 64.46'
6" PVC SAN. SEWER 66.6 LF @ 1.28%
8" PVC FIRE LINE
CO-2 INV. 63.65'
8" PIV(WITH TAMPER SWITCH)
6" PVC SAN. SEWER 40.4 LF @ 1.21%
6" RPDA W/ 120V ELEC. SERVICE, HEATER, TAMPER SWITCH FDC WITH 5" STORZ CONNECTION, AND FORWARD FLOW TEST CONNECTION.
SSMH-3 RIM 73.24 INV. 61.82' (N) INV. 61.71' (S-OUT)
CO-1 INV. 63.21'
2" WATER METER W/ 2" RPZ BACKFLOW PREVENTER
FIRE HYDRANT W/5" STORZ 8"x6" LOCKED HYD TEE 6" GV BSP
PROPOSED 30' SAN. SEWER EASEMENT
(GUC POINT OF SERVICE)
6" PVC SAN. SEWER 21.0 LF @ 1.03%
FIRE HYDRANT W/5" STORZ 8"x6" LOCKED HYD TEE 6" GATE VALVE
FIRE HYDRANT W/5" STORZ 8"x6" LOCKED HYD TEE 6" GATE VALVE BSP
8" PVC SAN. SEWER - 208.4 LF @ 0.41%
FDC
6" GATE VALVE
8" PVC WATER LINE
8" 11.25° BEND
8" 45° BEND
SSMH-4 RIM 72.10 INV. 62.95' (NW) INV. 62.75' (E) INV. 62.65' (S-OUT)
SSMH-5 RIM 72.50 INV. 62.90' (W-OUT)
8"x8" TEE
PROPOSED 10' UTILITY EASEMENT
8"x4" TEE W/ 4"x2" TAPPED PLUG AND 2" BALL VALVE
8" PLUG
SCM STORMWATER WET POND
FES-1
FES-2
OCS
20' BUFFERYARD 'B'
FIRE DEPARTMENT STAND PIPE CONNECTION WITH STORZ 30° ELBOW
NOTE: ALL CLEANOUTS TO BE IN A CAST IRON. SEE DETAIL S-3 ON SHEET C7.2.
NOTE: LENGTH OF SANITARY SEWER PIPE IS FROM INSIDE EDGE TO INSIDE EDGE OF MANHOLE, AND NOT FROM CENTER TO CENTER OF MANHOLE.
NOTE: FACILITY WILL REQUIRE THE INSTALLATION OF AN OIL/GRIT SEPARATOR IN ACCORDANCE WITH THE GUC MANUAL FOR THE DESIGN AND CONSTRUCTION OF WATER AND WASTEWATER SYSTEM EXTENSIONS. SHOP DRAWINGS ARE TO BE SUBMITTED TO AND APPROVED BY GUC PRIOR TO INSTALLATION. CONTRACTOR SI REQUIRED TO NOTIFY DEANNA CASTELLOW AT (252) 551-3399, 48 HOURS PRIOR TO THE INSTALLATION TO SCHEDULE INSPECTION OF THE INSTALLATION.
811
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PITT COMMUNITY COLLEGE
WELDING BUILDING
TOWN OF WINTERVILLE - PITT COUNTY - NC

DRAWING TITLE

UTILITY PLAN-NORTH

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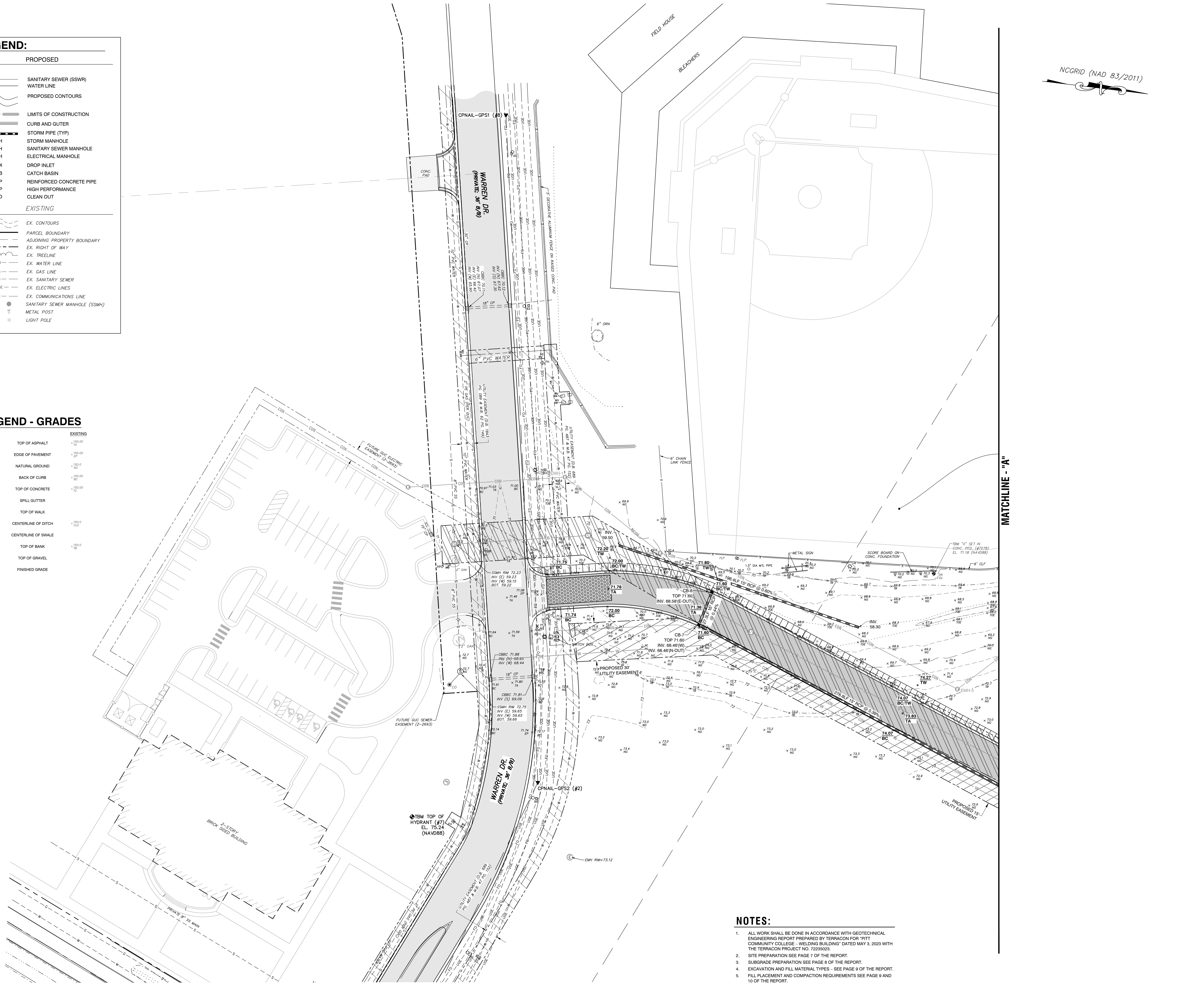

LEGEND:

PROPOSED

— S —	SANITARY SEWER (SSWR)
— W —	WATER LINE
9 / 10	PROPOSED CONTOURS
LOD	LIMITS OF CONSTRUCTION
	CURB AND GUTER
	STORM PIPE (TYP)
STMH	STORM MANHOLE
SSMH	SANITARY SEWER MANHOLE
EMH	ELECTRICAL MANHOLE
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EXISTING

9 / 10	*EX. CONTOURS*
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	ADJOINING PROPERTY BOUNDARY
R/W	*EX. RIGHT OF WAY*
	EX. TREELINE
W	*EX. WATER LINE*
G	*EX. GAS LINE*
S	*EX. SANITARY SEWER*
UGE	*EX. ELECTRIC LINES*
C	*EX. COMMUNICATIONS LINE*
	SANITARY SEWER MANHOLE (SSMH)
MP	*METAL POST*
	LIGHT POLE

LEGEND - GRADES

PROPOSED		EXISTING
150.00 TA	TOP OF ASPHALT	150.00 TA
150.00 EP	EDGE OF PAVEMENT	150.00 EP
	NATURAL GROUND	150.0 NG
150.00 BC	BACK OF CURB	150.00 BC
150.00 TC	TOP OF CONCRETE	150.00 TC
⇧ ⇧ ⇧	SPILL GUTTER	
150.00 TW	TOP OF WALK	
150.00 CLD	CENTERLINE OF DITCH	150.0 CLD
150.00 CLS	CENTERLINE OF SWALE	
150.00 TB	TOP OF BANK	150.0 TB
150.00 TG	TOP OF GRAVEL	
150.00 FG	FINISHED GRADE	

NOTES:

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH GEOTECHNICAL ENGINEERING REPORT PREPARED BY TERRACON FOR "PITT COMMUNITY COLLEGE – WELDING BUILDING" DATED MAY 3, 2023 WITH THE TERRACON PROJECT NO. 72235023.
2. SITE PREPARATION SEE PAGE 7 OF THE REPORT.
3. SUBGRADE PREPARATION SEE PAGE 8 OF THE REPORT.
4. EXCAVATION AND FILL MATERIAL TYPES – SEE PAGE 9 OF THE REPORT.
5. FILL PLACEMENT AND COMPACTION REQUIREMENTS SEE PAGE 9 AND 10 OF THE REPORT.
6. UTILITY TRENCH BACKFILL – SEE PAGE 10 OF THE REPORT.
7. GRADING AND DRAINAGE – SEE PAGE 11 OF THE REPORT.
8. EARTHWORK CONSTRUCTION CONSIDERATIONS – SEE PAGE 11 AND 12 OF THE REPORT.

30' 0 15' 30'
SCALE 1 inch = 30 ft

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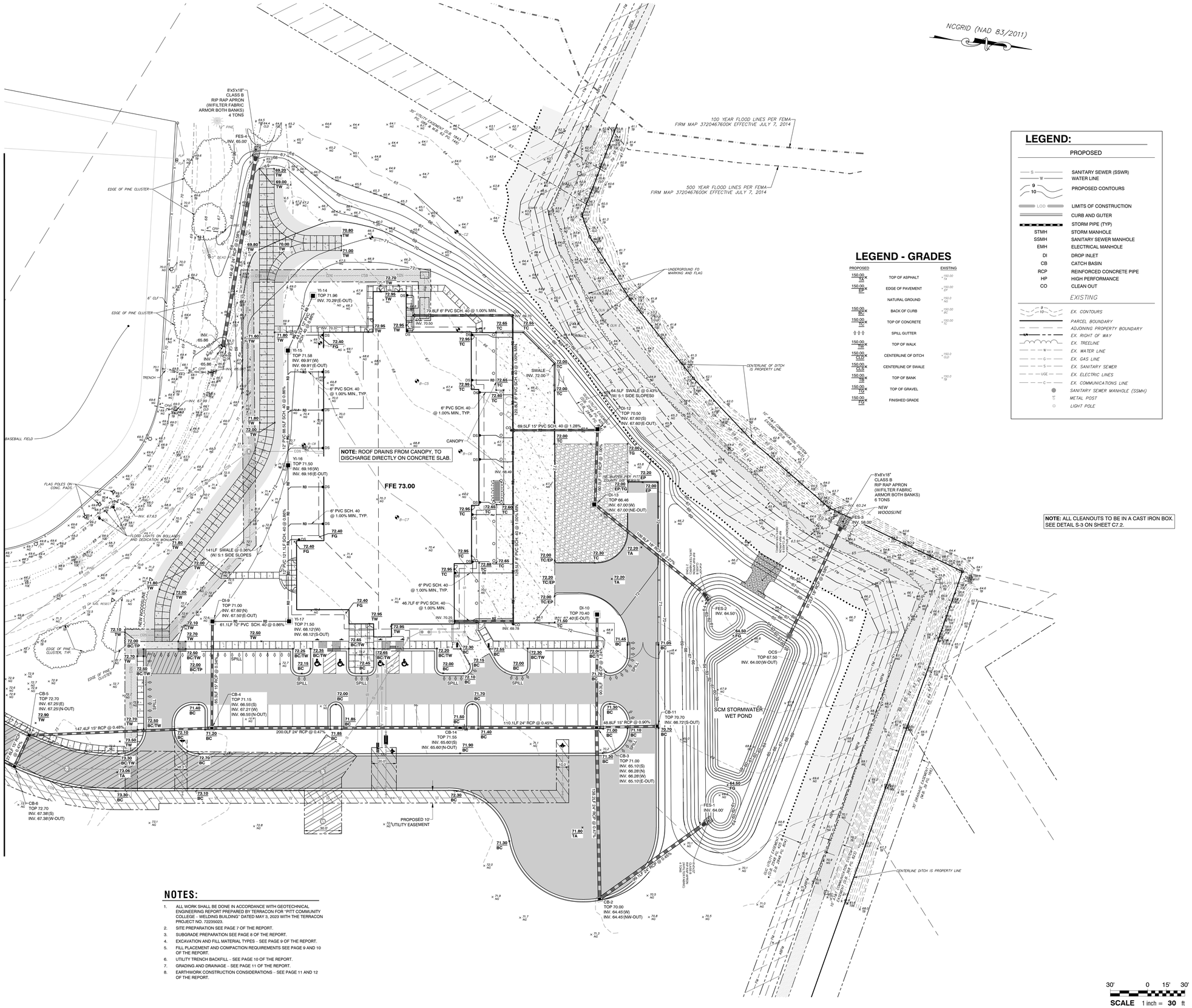

LEGEND:

PROPOSED

- SANITARY SEWER (SSWR)
- WATER LINE
- PROPOSED CONTOURS
- LIMITS OF CONSTRUCTION
- CURB AND GUTER
- STORM PIPE (TYP)
- STMH STORM MANHOLE
- SSMH SANITARY SEWER MANHOLE
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- EX. COMMUNICATIONS LINE
- SANITARY SEWER MANHOLE (SSMH)
- METAL POST
- LIGHT POLE

LEGEND - GRADES

PROPOSED		EXISTING
150.00 TA	TOP OF ASPHALT	+150.00 TA
150.00 EP	EDGE OF PAVEMENT	+150.00 EP
	NATURAL GROUND	+150.00 NG
150.00 BC	BACK OF CURB	+150.00 BC
150.00 TC	TOP OF CONCRETE	+150.00 TC
	SPILL GUTTER	
150.00 TW	TOP OF WALK	
150.00 CLD	CENTERLINE OF DITCH	+150.00 CLD
150.00 CLS	CENTERLINE OF SWALE	
150.00 TB	TOP OF BANK	+150.00 TB
150.00 TG	TOP OF GRAVEL	
150.00 FG	FINISHED GRADE	

NOTE: ALL CLEANOUTS TO BE IN A CAST IRON BOX. SEE DETAIL S-3 ON SHEET C7.2.

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TOWN OF WINTERVILLE - PITT COUNTY - NC

DRAWING TITLE
GRADING & DRAINAGE PLAN-NORTH

SCALE	1" = 30'
DRAWN	NRW
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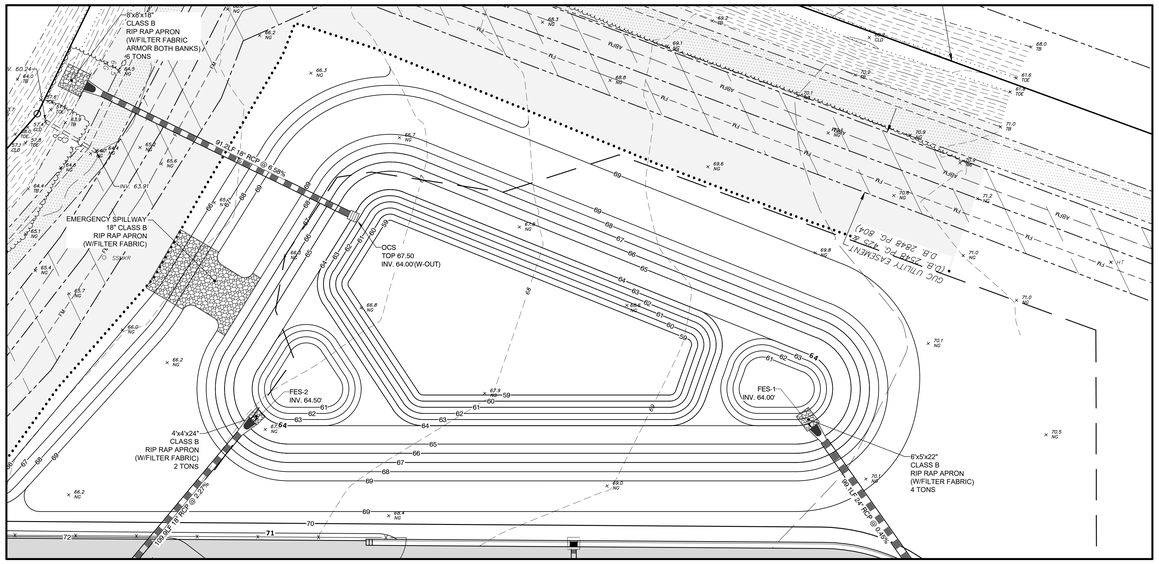
DATE	02/15/2024
PROJECT NO.	2022-07
DRAWING NO.	C3.2

P:\LANDDEV\JKF PCC_WELDING_BLDG-2023010\CADD_DWG\SHEETS\W-4074 GRADING & DRAINAGE.DWG - LAYOUT2 - 2/16/2024 4:40:39 PM - RYAN WELLS

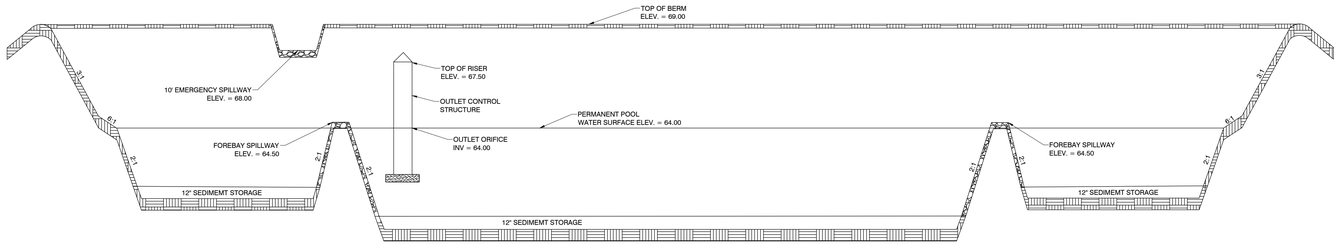


SCM PLAN VIEW

20' 0 10' 20'

SCALE 1 inch = **20** ft

NCGRID (NAD 83 2011)



SCM SECTION VIEW

N.T.S.

NOTE: SEDIMENT STORAGE SHALL BE RE-ESTABLISHED PRIOR TO THE FINAL CERTIFICATION AND ACCEPTANCE OF THE SCM.

MAINTENANCE

INSPECTION ACTIVITIES - (FREQUENCY)

WHERE MAINTENANCE REQUIRES DEWATERING, DO SO BY MEANS OF DEWATERING PUMP.

AFTER CONSTRUCTION

INSPECT AFTER SEVERAL STORM EVENTS FOR BANK STABILITY, VEGETATION GROWTH, DRAINAGE SYSTEM FUNCTIONING, AND STRUCTURAL DAMAGE.

SEMI-ANNUAL INSPECTION

INSPECT FOR INVASIVE VEGETATION, DIFFERENTIAL SETTLEMENT, CRACKING; EROSION, LEAKAGE, OR TREE GROWTH ON THE EMBANKMENT; THE CONDITION OF THE RIPRAP IN THE INLET, OUTLET, AND PILOT CHANNELS; SEDIMENT ACCUMULATION IN THE BASIN; CLOGGING OF OUTLET; AND THE VIGOR AND DENSITY OF THE VEGETATION ON THE BASIN SIDE SLOPES AND FLOOR. CORRECT OBSERVED PROBLEMS AS NECESSARY.

NOTE SIGNS OF HYDROCARBON BUILDUP SUCH AS FLOATING OIL ON WATER SURFACE. - INSPECT FOR DAMAGE TO THE EMBANKMENT AND INLET/OUTLET STRUCTURES. REPAIR AS NECESSARY. -MONITOR FOR SEDIMENT ACCUMULATION IN THE FACILITY AND FOREBAY. EXAMINE INLET AND OUTLET DEVICES TO ENSURE THEY ARE FREE OF DEBRIS AND ARE OPERATIONAL.

MAINTENANCE ACTIVITIES - (FREQUENCY)

ONE TIME

- REPLACE WET POND VEGETATION TO MAINTAIN AT LEAST 50% OF SURFACE AREA COVERAGE IN WET POND PLANTS AFTER THE SECOND GROWING SEASON.

AS NEEDED

- REPAIR UNDERCUT AREAS, EROSION TO BANKS, AND BOTTOM AS REQUIRED. WHERE PERMITTED BY THE DEPARTMENT OF FISH AND GAME OR OTHER AGENCY REGULATIONS, STOCK CONSTRUCTED WET PONDS REGULARLY WITH MOSQUITO FISH (GAMBUSIA SPP.) TO ENHANCE NATURAL MOSQUITO AND MIDGE CONTROL.

3 TO 4 TIMES PER YEAR

- CLEAN AND REMOVE DEBRIS FROM INLET AND OUTLET STRUCTURES.
- MOW SIDE SLOPES AND REMOVE GRASS CLIPPINGS. REMOVE LITTER AND DEBRIS FROM BANKS, BASIN BOTTOM, TRASH RACKS, OUTLET STRUCTURES, AND VALVES AS REQUIRED.

ANNUAL (IF NEEDED)

- -SUPPLEMENT WET POND PLANTS IF A SIGNIFICANT PORTION HAVE NOT ESTABLISHED (AT LEAST 50% OF THE SURFACE AREA).
- -REMOVE NUISANCE PLANT SPECIES.
- -CLEAN FOREBAY TO AVOID ACCUMULATION IN MAIN WET POND AREA TO MINIMIZE WHEN THE MAIN WET POND AREA NEEDS TO BE CLEANED.
- -HARVEST PLANT SPECIES IF VEGETATION BECOMES TOO THICK CAUSING FLOW BACKUP AND FLOODING. MORE FREQUENT PLANT HARVESTING MAY BE REQUIRED BY LOCAL VECTOR CONTROL AGENCIES.
- -FERTILIZE NEW VEGETATION ONE TIME ONLY. THE OWNER SHALL NOT FERTILIZE VEGETATION AFTER THE INITIAL OCCURRENCE.
- -MONITOR SEDIMENT ACCUMULATIONS, AND REMOVE SEDIMENT WHEN THE ACCUMULATED SEDIMENT VOLUME EXCEEDS 10-20% OF THE BASIN VOLUME, PLANTS ARE "CHOKED" WITH SEDIMENT, OR THE WET POND BECOMES EUTROPHIC. IT IS SUGGESTED THAT THE MAIN AREA BE CLEANED ONE HALF AT A TIME WITH AT LEAST ONE GROWING SEASON IN BETWEEN CLEANINGS. THIS WILL HELP TO PRESERVE THE VEGETATION AND ENABLE THE WET POND TO RECOVER MORE QUICKLY FROM THE CLEANING.

EMBANKMENT COMPACTION

1. ALL FILL MATERIAL FOR THE EMBANKMENT SHOULD BE PLACED IN LAYERS (OR LIFTS) NO GREATER THAN 6" THICK.
2. THE LARGEST SIZE PARTICLE SHOULD NOT BE GREATER THAN ½rd THE HEIGHT OF THE LIFT THAT IS 2".
3. EACH LAYER SHOULD BE THOROUGHLY COMPACTED BEFORE THE NEXT LAYER IS PLACED.
4. THE COMPACTION EFFORT ACHIEVED SHOULD BE ON AVERAGE 98% STANDARD PROCTOR ASTM D698.
5. THE MINIMUM COMPACTION EFFORT SHOULD BE 95% STANDARD PROCTOR ASTM D698.
6. THE MATERIAL FORMING THE EMBANKMENT SHOULD BE PLACED WITH SUFFICIENT MOISTURE TO ENSURE PROPER COMPACTION. THE MOISTURE CONTENT SHOULD BE IN THE RANGE OF -1% TO +3% OF OPTIMUM MOISTURE CONTENT (OMC).
7. BEFORE EACH ADDITIONAL 6" LIFT IS ADDED TO THE EMBANKMENT, THE PRECEDING LIFT SHOULD BE SCARIFIED TO ENSURE THAT THE TWO LIFTS ARE PROPERLY JOINED.
8. A WHEELED SCRAPER OR TRUCK SHOULD BE USED FOR PLACING THE CLAY ON THE DAM SITE. THE CLAY SHOULD THEN BE SPREAD BY THE USE OF THE BLADE ON A TAMPER FOOT ROLLER FROM A BULLDOZER TOWING A TAMPER FOOT ROLLER (SHEEPSFOOT ROLLER).

POND NOTES

1. TOP OF BERM AND ALL SIDE SLOPES SHALL BE EITHER SODDED OR HYDROSEEDED TO ESTABLISH A DENSE STAND OF NON CLUMPING TURF GRASS
2. NO TREES SHRUBS OR WOODY VEGETATION IS ALLOWED ON THE TOP OF BERM OR SLOPES.
3. NO RIP RAP OR STONE IS ALLOWED IN THE BERM EMBANKMENT.
4. UNLESS DETERMINED OTHERWISE IN WRITING BY THE CONTRACTOR'S GEOTECHNICAL ENGINEER, THE CONTRACTOR SHALL INSTALL A CLAY LINER IN THE POND UP TO ELEVATION OF THE OUTLET ORIFICE AND NORMAL POOL ELEVATION.
5. CONTRACTOR TO WATER PLANTINGS AND GRASS AS NEEDED.
6. CONTRACTOR SHALL NOT BE RELEASED UNTIL AFTER THE POND HAS BEEN AS-BUILT SURVEYED, PE CERTIFIED AND ACCEPTED BY NDENR.

STORMWATER WET POND PLANTING SPECIFICATIONS

1. ALL HERBACEOUS PLANTS WITHIN THE WET POND PROPER SHALL BE INSTALLED BETWEEN MARCH 15 AND JULY 31.
2. UNLESS OTHERWISE DESIGNATED, PLANTS SHOULD BE INSTALLED AS LARGE DRIFTS (I.E., MASSES OF A SINGLE SPECIES) WITHIN THEIR RESPECTIVE PLANTING AREAS.
3. INSTALL A SLOW RELEASE FERTILIZER TABLET NEXT TO EACH PLANT WITHIN THE WET POND PROPER. FOR HERBACEOUS SPECIES USE AG SAFE AQUATIC-TABS 20-10-5, 90 DAY CONTINUOUS FEEDING, 5 GRAMS, OR EQUIVALENT.
4. ALL PLANTS SHALL BE DIRECTLY DESCENDED FROM INDIVIDUALS GROWING WILD WITHIN 200 MILES OF THE PROJECT SITE. IF SUITABLE STOCK CANNOT BE OBTAINED, PLANTS OF OTHER GENETIC PROVENANCES MAY BE UTILIZED WITH THE APPROVAL OF THE OWNER OR OWNER'S REPRESENTATIVE.
5. PLANT MATERIAL SHOULD CONFORM TO AMERICAN STANDARD NURSERY STOCK, PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN. (SEE PLANT LIST AND NOTES 6, 7, 8).
6. ALL PLANT MATERIAL TO BE CONTAINER GROWN PLANTS OF AT LEAST 4.0 CUBIC INCHES CAPACITY.
7. A MINIMUM OF THREE(3) DIFFERENT SPECIES.

VEGETATIVE SHELF PLANTS:	(50 PLANTS PER 200 SF)
TOTAL:	1370 SF = 343 PLANTS

STORMWATER WET POND PLANTING TABLE

BOTANICAL NAME	COMMON NAME	QUANTITY
ASCLEPIAS INCARNATA	SWAMP MILKWEED	60
EUPATORIADELPHUS DUBIUS	DWARF JOE PYE WEED	60
CAREX TENERA	QUILL SEDGE	60
HIBISCUS LAEVIS	SCARLET ROSE MALLOW	60
RHYNCHOSPORA COLORATA	STARRUSH WHITETOP	60
LOBELIA ELONGATA	LONGLEAF LOBELIA	43

MELLOW MARSH FARMS (919) 742 1200

PERMANENT SEEDING SPECIFICATIONS

SEEDING MIXTURE

SPECIES	RATE (LB/ACRES)
PREMIUM BERMUDA	60

NURSE PLANTS
BETWEEN APR. 15 AND AUG. 15, ADD 10 LB/ACRE GERMAN MILLET OR 15 LB/ACRE SUDAN GRASS PRIOR TO MAY 1 OR AFTER AUG 15, ADD 25 LB/ACRE RYE (GRAIN)

SEEDING DATES

	BEST	POSSIBLE
EARLY SPRING:	FEB. 15-MAR. 20	FEB. 15-APR. 30
FALL:	SEPT. 1-SEPT. 30	SEPT. 1-OCT. 31

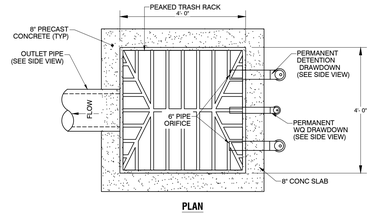
SOIL AMENDMENTS
APPLY LIME AND FERTILIZER ACCORDING TO SOIL TEST. IF SOIL TEST IS NOT AVAILABLE APPLY 2 TONS/ACRE AGRICULTURAL GRADE LIMESTONE AND 1,000LBS/ACRE OF 10-10-10 FERTILIZER, OR APPLY 3,000-5,000 LB/ACRE SUDANGRASS. PRIOR TO MAY 1 OR AFTER AUG. 15, ADD 25 LB/ACRE RYE (GRASS)

MULCH
APPLY 4,000 LB/ACRE GRAIN STRAW OR EQUIVALENT COVER OF ANOTHER SUITABLE MULCH. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR ROVING OR BY CRIMPING WITH A MULCH ANCHORING TOOL. A DICK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

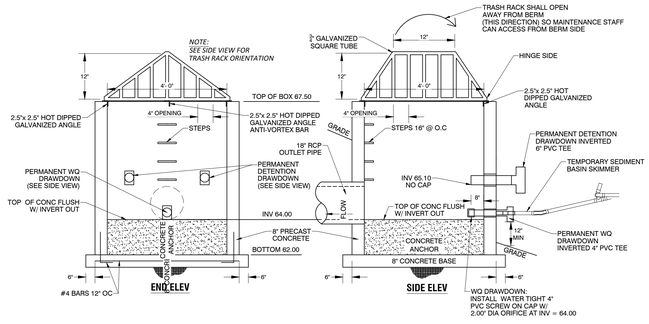
MAINTENANCE
IF GROWTH IS LESS THAN FULL ADEQUATE, REFERTILIZE THE SECOND YEAR. ACCORDING TO SOIL TESTS OR TOPDRESS WITH 500 LB/ACRE 10-10-10 FERTILIZER. MOW AS NEEDED. RESEED, FERTILIZE AND MULCH DAMAGED AREAS IMMEDIATELY.

OUTLET CONTROL STRUCTURE NOTES

1. STRUCTURE SHALL BE PRECAST CONCRETE
2. PRECASTER SHALL DESIGN AND FURNISH ALL STEEL REINFORCING, WALL THICKNESS AND HARDWARE.
3. MANUFACTURE ENTIRE CONCRETE AS ONE SECTION WITH NO JOINTS IF PRACTICAL.
4. ANY JOINTS SHALL BE WATER TIGHT AND BE CONSTRUCTED FOR ANTI-FLOTATION. THEY SHALL HAVE (4) GALVANIZED STEEL PLATES 12" X 12" X ¼", ONE PER SIDE, EACH PLATE SHALL HAVE (4) GALVANIZED STEEL BOLTS (½" DIA X 8" L MIN), FOR ANTI-FLOTATION.
5. THROUGHOUT GRADING OPERATION, TEMPORARY SKIMMER SHALL BE IN PLACE.



PLAN



OUTLET CONTROL STRUCTURE

N.T.S.

MATERIALS KEYING LEGEND

GENERAL NOTES

SCO ID #22-25191-01A

RAI Project 2023010 DWG W-4074

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JKF ARCHITECTURE

625 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1048

PITT COMMUNITY COLLEGE
WELDING BUILDING
TOWN OF WINTERVILLE - PITT COUNTY - NC

DRAWING TITLE
STORMWATER
CONTROL PLAN

SCALE	1" = 30'
DRAWN	NRW
CHECKED	JSJ
DATE	02/15/2024
PROJECT NO.	2022-07
DRAWING NO.	C3.3

P:\LANDDEV\JKF-PCC_WELDING_BLDG 2023010\CADD_DWG\SHEET\W-4074 STORMWATER.DWG - LAYOUT1 - 2/19/2024 4:58:45 PM - RYAN WELLS

MATERIALS KEYING LEGEND

40' 0 20' 40'
SCALE 1 inch = 40 ft

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Temporary Skimmer Basin No. 1

Pitt Community College-Welding Building
Winterville, NC

Discharge Calculation		
5.50	Disturbed Area (Acres)	
0.35	Rational C	
10	Time of Concentration (min)	
6.47	Intensity (in/hr) Atlas 14	
12.45	Peak Flow from 10-year Storm (cfs)	

SKIMMER	
4	Skimmer Size (inches)
0.333	Head on Skimmer (ft)
1	Orifice Size (1/4 inch increments)
7.78	Dewatering Time (days)
	Suggest about 3 days

Skimmer Size
(inches)
1.5
2
2.5
3
4
5
6
8

Dimension Calculation		
9,900	Required Volume (ft^3) = 1800 x DA	
4,048	Required Surface Area (ft^2) = 325 * Q(cfs)	
45.0	Suggested Width (ft)	
90.0	Suggested Length (ft)	
50	Trial Top Width at Spillway Invert (ft)	
90	Trial Top Length at Spillway Invert (ft)	
2	Trial Side Slope Ratio Z:1	
2.75	Trial Depth (ft)	
39	Bottom Width (ft)	
79	Bottom Length (ft)	
3,081	Bottom Area (ft^2)	
10,368	Actual Volume (ft^3)	Okay
4,500	Actual Surface Area (ft^2)	Okay

Spillway Calculation		
12	Trial Weir Length (ft)	
0.5	Trial Depth of Flow (ft)	
12.7	Spillway Capacity (cfs)	Okay
0.49	Actual Depth (ft)	
2.11	Velocity (cfs)	
64.00	Spillway Top Elev (ft)	
64.49	10-yr WSEL (ft)	
65.50	Basin Top	
1.01	Freeboard	Okay

SWALE CALCULATIONS forTemporary Swale #1
Pitt Community College- Welding Building
Winterville, NC

Swale in temporary condition
Outlet Based on 10 year storm

Total watershed area (Ac)	0.25				
Land Type		Rational C	CN	Acres	
Area Impervious		0.95	98	0.000	
denuded with temporary seeding		0.35	73	0.250	
Total watershed area				0.250	
Composite		0.35			
	Overland	Channelized			
Hydraulic Length (ft)	160	125			
Vertical Relief (ft)	5.50	1.50			
Time of Concentration					
	Overland	Channelized	Total		
Time (min)	2.85	0.35	10.00	If Tc<10, use 10 min	
Travel Factor	2	0.2			
Rainfall Intensity =	I = g/(h+T)	6.4	inches per hr	g	206.9
Peak Discharge =	Q=CIA	0.6	cfs	h	22.4
Right Side Slope	Left Side Slope	n=	Slope	Channel Veloctiy	Flow Depth
2.00	2.00	0.022	1.20%	2.07 fps	0.37 ft
Tractive Force		use temporary liner			
Td= YDS (lb/sf)	0.275	jute net	Td=	0.45 lb/sf	ok

$$t_c = \frac{\left[\frac{L^3}{H}\right]^{0.385}}{128}$$

SWALE CALCULATIONS forTemporary Swale #2
Pitt Community College - Welding Building
Winterville, NC

Swale in temporary condition
Outlet Based on 10 year storm

Total watershed area (Ac)	4.0				
Land Type		Rational C	CN	Acres	
Area Impervious		0.95	98	0.000	
denuded with temporary seeding		0.35	73	0.820	
Total watershed area				0.820	
Composite		0.35			
	Overland	Channelized			
Hydraulic Length (ft)	415	770			
Vertical Relief (ft)	2.00	7.00			
Time of Concentration					
	Overland	Channelized	Total		
Time (min)	12.64	1.59	14.23	If Tc<10, use 10 min	
Travel Factor	2	0.2			
Rainfall Intensity =	I = g/(h+T)	5.6	inches per hr	g	206.9
Peak Discharge =	Q=CIA	1.6	cfs	h	22.4
Right Side Slope	Left Side Slope	n=	Slope	Channel Veloctiy	Flow Depth
2.00	2.00	0.022	0.91%	2.58 fps	0.56 ft
Tractive Force		use temporary liner			
Td= YDS (lb/sf)	0.318	Fiberglass roving single	Td=	0.6 lb/sf	ok

GENERAL NOTES

SCO ID #22-25191-01A

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SEAL

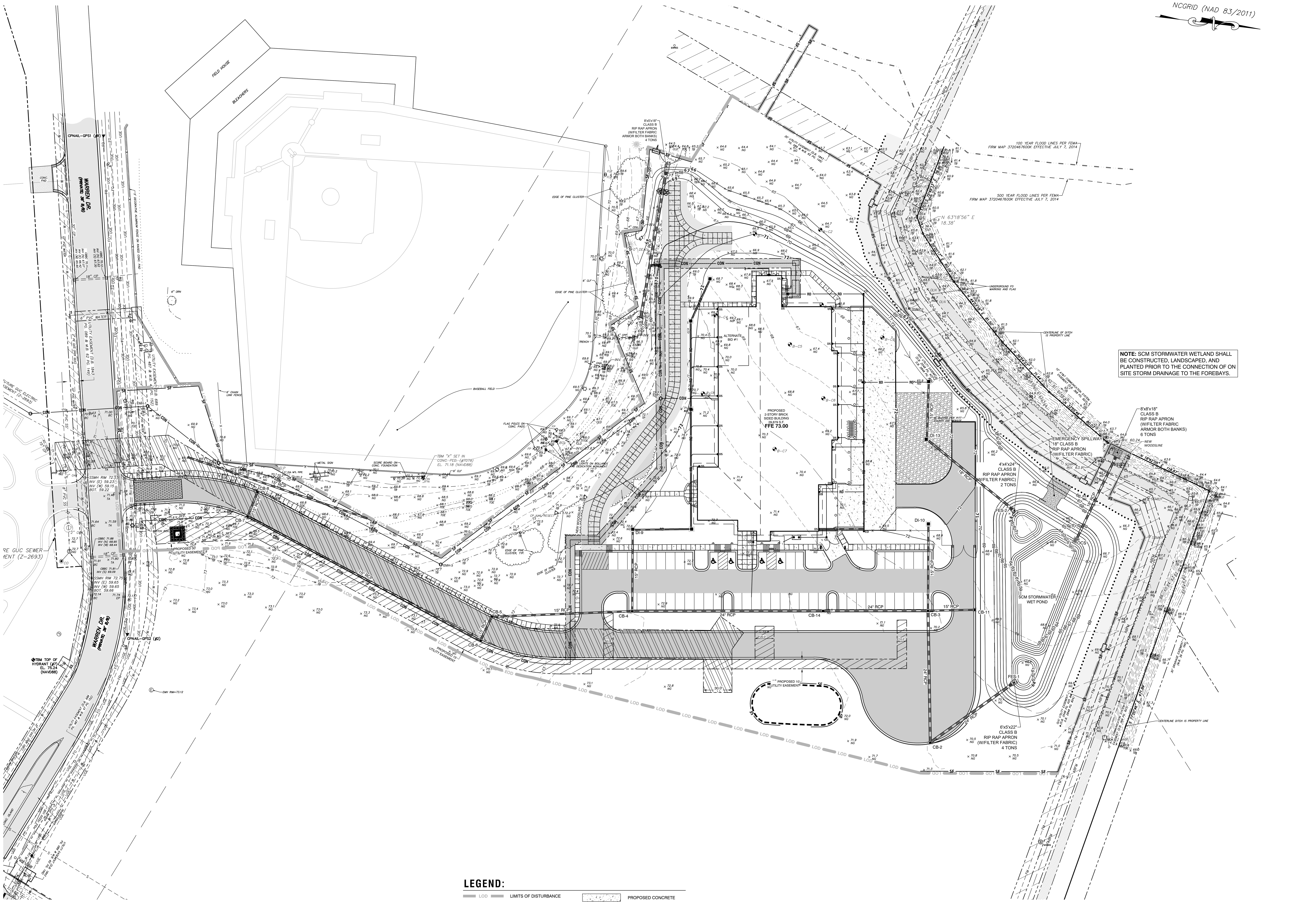
NORTH CAROLINA PROFESSIONAL SEAL 12324 ENGINEER J. STEPHEN JANOWSKI

JKF ARCHITECTURE
625 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

PITT COMMUNITY COLLEGE
WELDING BUILDING
TOWN OF WINTERVILLE - PITT COUNTY - NC

DRAWING TITLE
EROSION CONTROL PLAN - PH1

SCALE	1" = 30'
DRAWN	NRW
CHECKED	JSJ
DATE	02/15/2024
PROJECT NO.	2022-07
DRAWING NO	C4.1



LEGEND:

LOD	LIMITS OF DISTURBANCE
SF	SILT FENCE
	ROCK INLET SEDIMENT TRAP
	WATTLE
	CONSTRUCTION ENTRANCE
	PROPOSED CABC
	PROPOSED CONCRETE
	PROPOSED ASPHALT (HEAVY-DUTY)
	EXISTING ASPHALT
	DRAINAGE EASEMENT
	FIRE APPARATUS EASEMENT

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40' 0 20' 40'
SCALE 1 inch = **40** ft

MATERIALS KEYING LEGEND

GENERAL NOTES

SCO ID #22-25191-01A

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TOWN OF WINTERVILLE - PITT COUNTY - NC

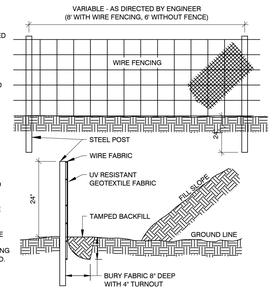
DRAWING TITLE
EROSION CONTROL PLAN - PH2

SCALE	1" = 30'
DRAWN	NRW
CHECKED	JSJ
DATE	02/15/2024
PROJECT NO.	2022-07
DRAWING NO	C4.2

P:\LANDDEV\JKF-PCC_WELDING_BLDG-2023010\CADD_DWG\SHEETS\W-4074 EROSION PLAN PH2.DWG - LAYOUT1 - 2/19/2024 4:54:22 PM - RYAN WELLS

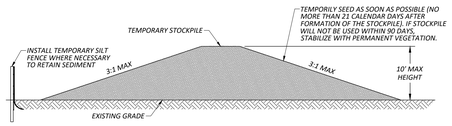
NOTES:

1. USE STANDARD STRENGTH FABRIC W/ 8' POST SPACING AND WIRE FENCING WHERE REINFORCED SILT FENCE IS REQUIRED.
2. WITH EXTRA STRENGTH FABRIC USE 6' POST SPACING AND NO WIRE FENCING.
3. WIRE FENCING TO BE 32", WITH 6 LINE WIRES AND STAY WIRES ON 12' CENTERS/ BOTTOM AND TOP WIRES 10 GA., INTERMEDIATE WIRES 12.5 GA.
4. 4. INSPECT SEDIMENT FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REPAIRS IMMEDIATELY.
5. SHOULD THE FABRIC OF A SEDIMENT FENCE COLLAPSE, TEAR, DECOMPOSE OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY.
6. REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT.
7. REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.



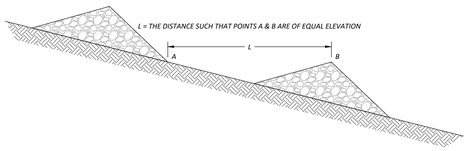
1 TEMPORARY SILT FENCE

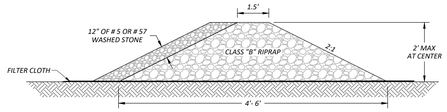
N.T.S.
ERSN_001



2 TEMPORARY STOCKPLE

N.T.S.
EC-22





CROSS SECTION VIEW

ROCK CHECK DAM

CONSTRUCTION SPECIFICATIONS:
1) PLACE STONE TO THE LINES AND DIMENSIONS SHOWN IN THE PLAN ON A FILTER FABRIC FOUNDATION.
2) KEEP THE CENTER STONE SECTION AT LEAST 9 INCHES BELOW NATURAL GROUND LEVEL WHERE THE DAM ABUTS THE CHANNEL BANKS.
3) EXTEND STONE AT LEAST 1.5 FEET BEYOND THE DITCH BANK TO KEEP WATER FROM CUTTING AROUND THE ENDS OF THE CHECK DAM.
4) SET SPACING BETWEEN DAMS TO ASSURE THAT THE ELEVATION AT THE TOP OF THE LOWER DAM IS THE SAME AS THE TOE ELEVATION OF THE UPPER DAM.
5) PROTECT THE CHANNEL AFTER THE LOWEST CHECK DAM FROM HEAVY FLOW THAT COULD CAUSE EROSION.
6) MAKE SURE THAT THE CHANNEL REACH ABOVE THE MOST UPSTREAM DAM IS STABLE.
7) ENSURE THAT OTHER AREAS OF THE CHANNEL, SUCH AS CULVERT ENTRANCES BELOW THE CHECK DAMS, ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONES.

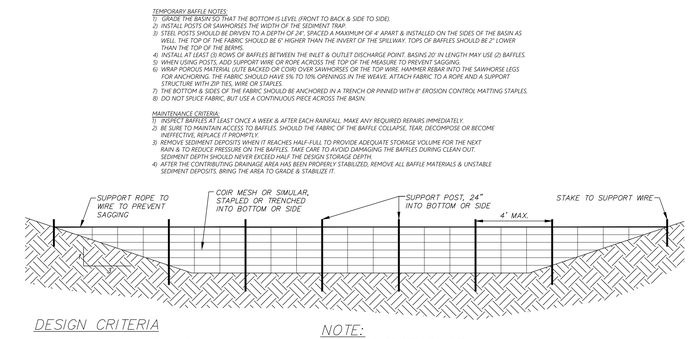
MAINTENANCE:
INSPECT CHECK DAMS AND CHANNELS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1/2 INCH OR GREATER) RAINFALL EVENT AND REPAIR IMMEDIATELY. CLEAN OUT SEDIMENT, STRAW, LIMBS, OR OTHER DEBRIS THAT COULD CLOG THE CHANNEL WHEN NEEDED.

ANTICIPATE SUBMERGENCE AND DEPOSITION ABOVE THE CHECK DAM AND EROSION FROM HIGH FLOWS AROUND THE EDGES OF THE DAM. CORRECT ALL DAMAGE IMMEDIATELY IF SIGNIFICANT EROSION OCCURS BETWEEN DAMS, ADDITIONAL MEASURES CAN BE TAKEN SUCH AS, INSTALLING A PROTECTIVE RIPRAP LINER IN THAT PORTION OF THE CHANNEL

REMOVE SEDIMENT ACCUMULATED BEHIND THE DAMS AS NEEDED TO PREVENT DAMAGE TO CHANNEL VEGETATION, ALLOW THE CHANNEL TO DRAIN THROUGH THE STONE CHECK DAM, AND PREVENT LARGE FLOWS FROM CARRYING SEDIMENT OVER THE DAM. ADD STONES TO DAMS AS NEEDED TO MAINTAIN DESIGN HEIGHT AND CROSS SECTION.

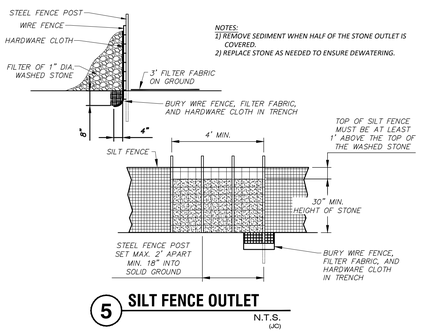
3 TEMPORARY ROCK CHECK DAM

N.T.S.
W-SPEC-8



4 BAFFLE DETAIL

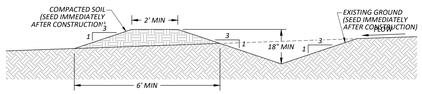
N.T.S.
EC-42



NOTES:
1) REMOVE SEDIMENT WHEN HALF OF THE STONE OUTLET IS COVERED.
2) REPLACE STONE AS NEEDED TO ENSURE DEWATERING.

5 SILT FENCE OUTLET

N.T.S.
(JCI)



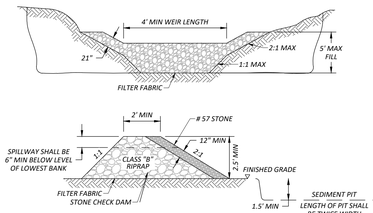
TEMPORARY DIVERSIONS

CONSTRUCTION SPECIFICATIONS:
1) REMOVE AND PROPERLY DISPOSE OF ALL TREES, BRUSH, STUMPS, AND OTHER OBJECTIONABLE MATERIAL.
2) ENSURE THAT THE MINIMUM CONSTRUCTED CROSS SECTION MEETS ALL DESIGN REQUIREMENTS.
3) ENSURE THAT THE TOP OF THE DIKE IS NOT LOWER AT ANY POINT THAN THE DESIGN ELEVATION PLUS THE SPECIFIED SETTLEMENT.
4) PROVIDE SUFFICIENT ROOM AROUND DIVERSIONS TO PERMIT MACHINE REGARDING AND CLEANOUT.
5) VEGETATE THE RIDGE IMMEDIATELY AFTER CONSTRUCTION, UNLESS IT WILL REMAIN IN PLACE LESS THAN 30 WORKING DAYS.

MAINTENANCE:
INSPECT TEMPORARY DIVERSIONS ONCE A WEEK AND AFTER EVERY RAINFALL. IMMEDIATELY REMOVE SEDIMENT FROM THE FLOW AREA AND REPAIR THE DIVERSION RIDGE. CAREFULLY CHECK OUTLETS AND MAKE TIMELY REPAIRS AS NEEDED. WHEN THE AREA PROTECTED IS PERMANENTLY STABILIZED, REMOVE THE RIDGE AND THE CHANNEL TO BLEND WITH THE NATURAL GROUND LEVEL AND APPROPRIATELY STABILIZE IT.

6 TEMPORARY DIVERSION DITCH

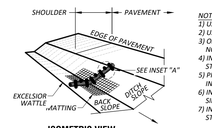
N.T.S.
W-SPEC-1



MAINTENANCE CRITERIA:
INSPECT TEMPORARY SEDIMENT TRAP AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT(1/2" OR GREATER) RAINFALL EVENT AND REPAIR IMMEDIATELY. REMOVE SEDIMENT, AND RESTORE THE TRAP TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH OF THE TRAP. PLACE THE SEDIMENT THAT IS REMOVED IN THE DESIGNATED DISPOSAL AREA, AND REPLACE THE PART OF THE GRAVEL FACING THAT IS IMPAIRED BY SEDIMENT. CHECK THE STRUCTURE FOR DAMAGE FROM EROSION OR PIPING. PERIODICALLY CHECK THE DEPTH OF THE SPILLWAY TO ENSURE IT IS A MINIMUM OF 1.5 FEET BELOW THE LOW POINT OF THE EMBANKMENT. IMMEDIATELY FILL ANY SETTLEMENT OF THE EMBANKMENT TO SLIGHTLY ABOVE DESIGN GRADE. ANY RIPRAP DISPLACEMENT FROM THE SPILLWAY MUST BE REPLACED IMMEDIATELY.
AFTER ALL SEDIMENT-PRODUCING AREAS HAVE BEEN PERMANENT STABILIZED, REMOVE THE STRUCTURE AND ALL UNSTABLE SEDIMENT. SMOOTH THE AREA TO BLEND WITH THE ADJOINING AREAS, AND STABILIZE PROPERLY.

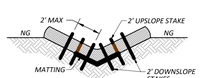
7 SEDIMENT TRAP

N.T.S.
EC-3C



ISOMETRIC VIEW

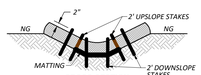
NOTES:
1) USE A MINIMUM 12" DIAMETER EXCELSIOR WATTLE.
2) USE 2' WOODEN STAKES WITH A 2"x 2" NOMINAL CROSS SECTION.
3) ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE & SCOUR DITCH SLOPES & AS DIRECTED.
4) INSTALL A MINIMUM OF (2) UP-SLOPE STAKES & (4) DOWN-SLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.
5) PROVIDE STAPLES MADE OF 0.125" DIAMETER STEEL WIRE FORMED INTO A "U" SHAPE (NOT LESS THAN 12" IN LENGTH).
6) INSTALL STAPLES APPROXIMATELY EVERY (1) LINEAR FOOT ON BOTH SIDES OF WATTLE & AT EACH END TO SECURE IT TO THE SOIL.
7) INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.



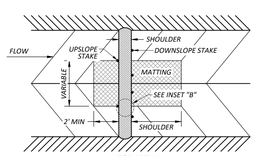
CROSS SECTION VEE DITCH

INSET "A"

INSET "B"



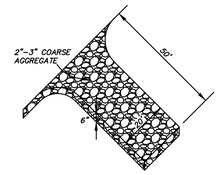
CROSS SECTION TRAPEZOIDAL DITCH



TOP VIEW

8 EXCELSIOR WATTLE

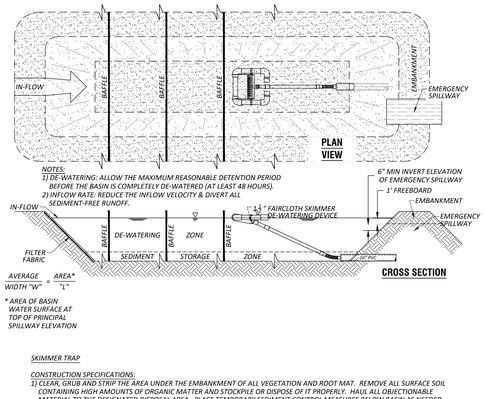
N.T.S.
EC-42



NOTES:
1. PUT SILT FENCE OR TREE PROTECTION FENCE UP TO ENSURE CONSTRUCTION ENTRANCE IS USED.
2. IF CONSTRUCTION ON THE SITES ARE SUCH THAT THE MUD IS NOT REMOVED BY THE VEHICLE TRAVELING OVER THE STONE, THEN THE TIRES OF THE VEHICLES MUST BE WASHED BEFORE ENTERING THE PUBLIC ROAD.
3. MAINTAIN GRAVEL PAD IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING CONSTRUCTION SITE. ENTRANCE WILL REQUIRE PERIODIC REMOVAL OF SEDIMENT–LADEN STONE AND REPLACEMENT WITH FRESH STONE.

9 TEMPORARY GRAVEL CONSTRUCTION ENTRANCE

N.T.S.
STR-26 (JCI)



** AREA OF BASIN WATER SURFACE AT TOP OF PRINCIPAL SPILLWAY ELEVATION*

SKIMMER TRAP

CONSTRUCTION SPECIFICATIONS:
1) CLEAR, GRUB AND STRIP THE AREA UNDER THE EMBANKMENT OF ALL VEGETATION AND ROOT MAT. REMOVE ALL SURFACE SOIL CONTAINING HIGH AMOUNTS OF ORGANIC MATTER AND STOCKPILE OR DISPOSE OF IT PROPERLY. HAUL ALL OBJECTIONABLE MATERIAL TO THE DESIGNATED DISPOSAL AREA. PLACE TEMPORARY SEDIMENT CONTROL MEASURES BELOW BASIN AS NEEDED.
2) ENSURE THAT FILL MATERIAL FOR THE EMBANKMENT IS FREE OF ROOTS, WOODY VEGETATION, ORGANIC MATTER, AND OTHER OBJECTIONABLE MATERIAL. PLACE THE FILL IN LIFTS NOT TO EXCEED 9 INCHES, AND MACHINE COMPACT IT. OVER FILL THE EMBANKMENT 6 INCHES TO ALLOW FOR SETTLEMENT.
3) SHAPE THE BASIN TO THE SPECIFIED DIMENSIONS. PREVENT THE SKIMMING DEVICE FROM SETTLING INTO THE MUD BY EXCAVATING A SHALLOW PIT UNDER THE SKIMMER OF PROVIDING A LOW SUPPORT UNDER THE SKIMMER OF STONE OR TIMBER.
4) PLACE THE BARREL (TYPICALLY 4-INCH SCHEDULE 40 PVC PIPE) ON A FIRM, SMOOTH FOUNDATION OF IMPERVIOUS SOIL. DO NOT USE PERVIOUS MATERIAL SUCH AS SAND, GRAVEL, OR CRUSHED STONE AS BACKFILL AROUND THE PIPE. PLACE THE FILL MATERIAL AROUND THE PIPE SPILLWAY IN 4-INCH LAYERS AND COMPACT IT UNDER AND AROUND THE PIPE TO AT LEAST THE SAME DENSITY AS THE ADJACENT EMBANKMENT. CARE MUST BE TAKEN NOT TO RAISE THE PIPE FROM THE FIRM CONTACT WITH ITS FOUNDATION WHEN COMPACTING UNDER THE PIPE HAUNCHES.

PLACE A MINIMUM DEPTH OF 2 FEET OF COMPACTED BACKFILL OVER THE PIPE SPILLWAY BEFORE CROSSING IT WITH CONSTRUCTION EQUIPMENT. IN NO CASE SHOULD THE PIPE CONDUIT BE INSTALLED BY CUTTING A TRENCH THROUGH THE DAM AFTER THE EMBANKMENT IS COMPLETE.

5) ASSEMBLE THE SKIMMER FOLLOWING THE MANUFACTURERS INSTRUCTIONS, OR AS DESIGNED.
6) LAY THE ASSEMBLED SKIMMER ON THE BOTTOM OF THE BASIN WITH THE FLEXIBLE JOINT AT THE INLET OF THE BARREL PIPE. ATTACH THE FLEXIBLE JOINT TO THE BARREL PIPE AND POSITION THE SKIMMER OVER THE EXCAVATED PIT OR SUPPORT. BE SURE TO ATTACH A ROPE TO THE SKIMMER AND ANCHOR IT TO THE SIDE OF THE BASIN. THIS WILL BE USED TO PULL THE SKIMMER TO THE SIDE FOR MAINTENANCE.
7) EARTHEN SPILLWAYS - INSTALL THE SPILLWAY IN UNDISTURBED SOIL TO THE GREATEST EXTENT POSSIBLE. THE ACHIEVEMENT OF PLANNED ELEVATIONS, GRADE, DESIGN WIDTH, AND ENTRANCE AND EXIT CHANNEL SLOPES ARE CRITICAL TO THE SUCCESSFUL OPERATION OF THE SPILLWAY. THE SPILLWAY SHOULD BE LINED WITH LAMINATED PLASTIC OR IMPERMEABLE GEOTEXTILE FABRIC. THE FABRIC MUST BE WIDE AND LONG ENOUGH TO COVER THE BOTTOM AND SIDES AND EXTEND ONTO THE TOP OF THE DAM FOR ANCHORING IN A TRENCH. THE EDGES MAY BE SECURED WITH 8-INCH STAPLES OR PINS. THE FABRIC MUST BE LONG ENOUGH TO EXTEND DOWN THE SLOPE AND EXIT ONTO STABLE GROUND. THE WIDTH OF THE FABRIC MUST BE ONE PIECE, NOT JOINED OR SPLICED; OTHERWISE WATER CAN GET UNDER THE FABRIC. IF THE LENGTH OF THE FABRIC IS INSUFFICIENT FOR THE ENTIRE LENGTH OF THE SPILLWAY, MULTIPLE SECTIONS, SPANNING THE COMPLETE WIDTH, MAY BE USED. THE UPPER SECTION(S) SHOULD OVERLAP THE LOWER SECTION(S) SO THAT WATER CANNOT FLOW UNDER THE FABRIC. SECURE THE UPPER EDGE AND SIDES OF THE FABRIC IN A TRENCH WITH STAPLES OR PINS.
8) INLETS - DISCHARGE WATER INTO THE BASIN IN A MANNER TO PREVENT EROSION. USE TEMPORARY SLOPE DRAINS OR DIVERSIONS WITH OUTLET PROTECTION TO DIVERT SEDIMENT-LADEN WATER TO THE UPPER END OF THE POOL AREA TO IMPROVE BASIN TRAP EFFICIENCY
9) EROSION CONTROL - CONSTRUCT THE STRUCTURE SO THAT THE DISTURBED AREA IS MINIMIZED. DIVERT SURFACE WATER AWAY FROM BARE AREAS. COMPLETE THE EMBANKMENT BEFORE THE AREA IS CLEARED. STABILIZE THE EMERGENCY SPILLWAY EMBANKMENT AND ALL OTHER DISTURBED AREAS ABOVE THE CREST OF THE PRINCIPAL SPILLWAY IMMEDIATELY AFTER CONSTRUCTION.
10) INSTALL POROUS BAFFLES.
11) AFTER ALL THE SEDIMENT-PRODUCING AREAS HAVE BEEN PERMANENTLY STABILIZED, REMOVE THE STRUCTURE AND ALL THE UNSTABLE SEDIMENT. SMOOTH THE AREA TO BLEND WITH THE ADJOINING AREAS AND STABILIZE PROPERLY.

MAINTENANCE:
INSPECT SKIMMER SEDIMENT TRAP(S) AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (ONE-HALF INCH OR GREATER) RAINFALL EVENT AND REPAIR IMMEDIATELY. REMOVE SEDIMENT AND RESTORE THE BASIN TO ITS ORIGINAL DIMENSIONS WHEN SEDIMENT ACCUMULATES TO ONE-HALF THE HEIGHT OF THE FIRST BAFFLE. PULL THE SKIMMER TO ONE SIDE SO THAT THE SEDIMENT UNDERNEATH IT CAN BE EXCAVATED. EXCAVATE THE SEDIMENT FROM THE ENTIRE BASIN, NOT JUST AROUND THE SKIMMER OF THE FIRST CELL. MAKE SURE VEGETATION GROWING IN THE BOTTOM OF THE BASIN DOES NOT HOLD DOWN THE SKIMMER.

REPAIR THE BAFFLES IF THEY ARE DAMAGED. RE-ANCHOR THE BAFFLES IF WATER IS FLOWING UNDERNEATH OR AROUND THEM.

IF THE SKIMMER IS CLOGGED WITH TRASH AND THERE IS WATER IN THE BASIN, USUALLY JERKING ON THE ROPE WILL MAKE THE SKIMMER BOB UP AND DOWN AND DISLODGE THE DEBRIS AND RESTORE FLOW. IF THIS DOES NOT WORK, PULL THE SKIMMER OVER TO THE SIDE OF THE BASIN AND REMOVE THE DEBRIS. ALSO CHECK THE ORIFICE INSIDE THE SKIMMER TO SEE IF IT IS CLOGGED; IF SO REMOVE THE DEBRIS.

IF THE SKIMMER ARM OR BARREL PIPE IS CLOGGED, THE ORIFICE CAN BE REMOVED AND THE OBSTRUCTION CLEARED WITH A PLUMBER'S SNAKE OR BY FLUSHING WITH WATER. BE SURE AND REPLACE THE ORIFICE BEFORE REPOSITIONING THE SKIMMER.

CHECK THE FABRIC LINED SPILLWAY FOR DAMAGE AND MAKE ANY REQUIRED REPAIRS WITH FABRIC THAT SPANS THE FULL WIDTH OF THE SPILLWAY. CHECK THE EMBANKMENT, SPILLWAYS, AND OUTLET FOR EROSION DAMAGE, AND INSPECT THE EMBANKMENT FOR PIPING AND SETTLEMENT. MAKE ALL NECESSARY REPAIRS IMMEDIATELY. REMOVE ALL TRASH AND OTHER DEBRIS FROM THE SKIMMER AND POOL AREAS.

FREEZING WEATHER CAN RESULT IN ICE FORMING IN THE BASIN. SOME SPECIAL PRECAUTIONS SHOULD BE TAKEN IN THE WINTER TO PREVENT THE SKIMMER FROM PLUGGING WITH ICE.

10 SEDIMENT TRAP WITH SKIMMER

N.T.S.
EC-42

MATERIALS KEYING LEGEND

GENERAL NOTES

SCO ID #22-25191-01A

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PITT COMMUNITY COLLEGE
WELDING BUILDING
TOWN OF WINTERVILLE – PITT COUNTY – NC

DRAWING TITLE
EROSION CONTROL DETAILS

SCALE	1" = 30'
DRAWN	NRW
CHECKED	JSJ
DATE	02/15/2024
PROJECT NO.	2022-07
DRAWING NO.	C5.1

P:\ANDREW\JKF-RCI_WELDING_BLDG-2022010\CADD_DWG\SHEETS\W-4074 EROSION DETAILS.DWG - LAYOUT1 - 2/16/2024 1:43:03 PM - RYAN WELLS

DATE:

PAGE:

GROUND STABILIZATION AND MATERIALS HANDLING PRACTICES FOR COMPLIANCE WITH THE NCG01 CONSTRUCTION GENERAL PERMIT

Implementing the details and specifications on this plan sheet will result in the construction activity being considered compliant with the Ground Stabilization and Materials Handling sections of the NCG01 Construction General Permit (Sections E and F, respectively). The permittee shall comply with the Erosion and Sediment Control plan approved by the delegated authority having jurisdiction. All details and specifications shown on this sheet may not apply depending on site conditions and the delegated authority having jurisdiction.

SECTION E: GROUND STABILIZATION

Required Ground Stabilization Timeframes

Site Area Description	Stabilize within this many calendar days after ceasing land disturbance	Timeframe variations
(a) Perimeter dikes, swales, ditches, and perimeter slopes	7	None
(b) High Quality Water (HQW) Zones	7	None
(c) Slopes steeper than 3:1	7	If slopes are 10 feet or less in length and are not steeper than 2:1, 14 days are allowed
(d) Slopes 3:1 to 4:1	14	-7 days for slopes greater than 50' in length and with slopes steeper than 4:1 -7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed
(e) Areas with slopes flatter than 4:1	14	-7 days for perimeter dikes, swales, ditches perimeter slopes and HQW Zones -10 days for Falls Lake Watershed unless there is zero slope

Note: After the permanent cessation of construction activities, any areas with temporary ground stabilization shall be converted to permanent ground stabilization as soon as practicable but in no case longer than 90 calendar days after the last land disturbing activity. Temporary ground stabilization shall be maintained in a manner to render the surface stable against accelerated erosion until permanent ground stabilization is achieved.

GROUND STABILIZATION SPECIFICATION

Stabilize the ground sufficiently so that rain will not dislodge the soil. Use one of the techniques in the table below:

Temporary Stabilization	Permanent Stabilization
• Temporary grass seed covered with straw or other mulches and tackifiers. • Hydroseeding • Rolled erosion control products with or without temporary grass seed • Appropriately applied straw or other mulch • Plastic sheeting	• Permanent grass seed covered with straw or other mulches and tackifiers • Geotextile fabrics such as permanent soil reinforcement matting • Hydroseeding • Shrubs or other permanent plantings covered with mulch • Uniform and evenly distributed ground cover sufficient to restrain erosion • Structural methods such as concrete, asphalt or retaining walls • Rolled erosion control products with grass seed

POLYACRYLAMIDES (PAMS) AND FLOCCULANTS

1. Select flocculants that are appropriate for the soils being exposed during construction, selecting from the *NC DWR List of Approved PAMS/Flocculants.*
2. Apply flocculants at or before the inlets to Erosion and Sediment Control Measures.
3. Apply flocculants at the concentrations specified in the *NC DWR List of Approved PAMS/Flocculants* and in accordance with the manufacturer's instructions.
4. Provide ponding area for containment of treated Stormwater before discharging offsite.
5. Store flocculants in leak-proof containers that are kept under storm-resistant cover or surrounded by secondary containment structures.

EQUIPMENT AND VEHICLE MAINTENANCE

1. Maintain vehicles and equipment to prevent discharge of fluids.
2. Provide drip pans under any stored equipment.
3. Identify leaks and repair as soon as feasible, or remove leaking equipment from the project.
4. Collect all spent fluids, store in separate containers and properly dispose as hazardous waste (recycle when possible).
5. Remove leaking vehicles and construction equipment from service until the problem has been corrected.
6. Bring used fuels, lubricants, coolants, hydraulic fluids and other petroleum products to a recycling or disposal center that handles these materials.

LITTER, BUILDING MATERIAL AND LAND CLEARING WASTE

1. Never bury or burn waste. Place litter and debris in approved waste containers.
2. Provide a sufficient number and size of waste containers (e.g dumpster, trash receptacle) on site to contain construction and domestic wastes.
3. Locate waste containers at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
4. Locate waste containers on areas that do not receive substantial amounts of runoff from upland areas and does not drain directly to a storm drain, stream or wetland.
5. Cover waste containers at the end of each workday and before storm events or provide secondary containment. Repair or replace damaged waste containers.
6. Anchor all lightweight items in waste containers during times of high winds.
7. Empty waste containers as needed to prevent overflow. Clean up immediately if containers overflow.
8. Dispose waste off-site at an approved disposal facility.
9. On business days, clean up and dispose of waste in designated waste containers.

PAINT AND OTHER LIQUID WASTE

1. Do not dump paint and other liquid waste into storm drains, streams or wetlands.
2. Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
3. Contain liquid wastes in a controlled area.
4. Containment must be labeled, sized and placed appropriately for the needs of site.
5. Prevent the discharge of soaps, solvents, detergents and other liquid wastes from construction sites.

PORTABLE TOILETS

1. Install portable toilets on level ground, at least 50 feet away from storm drains, streams or wetlands unless there is no alternative reasonably available. If 50 foot offset is not attainable, provide relocation of portable toilet behind silt fence or place on a gravel pad and surround with sand bags.
2. Provide staking or anchoring of portable toilets during periods of high winds or in high foot traffic areas.
3. Monitor portable toilets for leaking and properly dispose of any leaked material. Utilize a licensed sanitary waste hauler to remove leaking portable toilets and replace with properly operating unit.

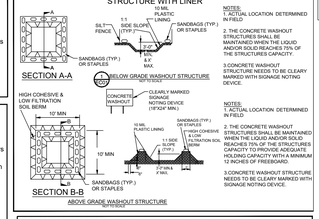
EARTHEN STOCKPILE MANAGEMENT

1. Show stockpile locations on plans. Locate earthen-material stockpile areas at least 50 feet away from storm drain inlets, sediment basins, perimeter sediment controls and surface waters unless it can be shown no other alternatives are reasonably available.
2. Protect stockpile with silt fence installed along toe of slope with a minimum offset of five feet from the toe of stockpile.
3. Provide stable stone access point when feasible.
4. Stabilize stockpile within the timeframes provided on this sheet and in accordance with the approved plan and any additional requirements. Soil stabilization is defined as vegetative, physical or chemical coverage techniques that will restrain accelerated erosion on disturbed soils for temporary or permanent control needs.

HAZARDOUS AND TOXIC WASTE

1. Create designated hazardous waste collection areas on-site.
2. Place hazardous waste containers under cover or in secondary containment.
3. Do not store hazardous chemicals, drums or bagged materials directly on the ground.

ONSITE CONCRETE WASHOUT STRUCTURE WITH LINER



NOTES:
1. ACTUAL LOCATION DETERMINED IN FIELD
2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY.
3.CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.

NOTES:
1. ACTUAL LOCATION DETERMINED IN FIELD
2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.
3.CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.

CONCRETE WASHOUTS

1. Do not discharge concrete or cement slurry from the site.
2. Dispose of, or recycle settled, hardened concrete residue in accordance with local and state solid waste regulations and at an approved facility.
3. Manage washout from mortar mixers in accordance with the above item and in addition place the mixer and associated materials on impervious barrier and within lot perimeter silt fence.
4. Install temporary concrete washouts per local requirements, where applicable. If an alternate method or product is to be used, contact your approval authority for review and approval. If local standard details are not available, use one of the two types of temporary concrete washouts provided on this detail.
5. Do not use concrete washouts for dewatering or storing defective curb or sidewalk sections. Stormwater accumulated within the washout may not be pumped into or discharged to the storm drain system or receiving surface waters. Liquid waste must be pumped out and removed from project.
6. Locate washouts at least 50 feet from storm drain inlets and surface waters unless it can be shown that no other alternatives are reasonably available. At a minimum, install protection of storm drain inlet(s) closest to the washout which could receive spills or overflow.
7. Locate washouts in an easily accessible area, on level ground and install a stone entrance pad in front of the washout. Additional controls may be required by the approving authority.
8. Install at least one sign directing concrete trucks to the washout within the project limits. Post signage on the washout itself to identify this location.
9. Remove leavings from the washout when at approximately 75% capacity to limit overflow events. Replace the tarp, sand bags or other temporary structural components when no longer functional. When utilizing alternative or proprietary products, follow manufacturer's instructions.
10. At the completion of the concrete work, remove remaining leavings and dispose of in an approved disposal facility. Fill pit, if applicable, and stabilize any disturbance caused by removal of washout.

HERBICIDES, PESTICIDES AND RODENTICIDES

1. Store and apply herbicides, pesticides and rodenticides in accordance with label restrictions.
2. Store herbicides, pesticides and rodenticides in their original containers with the label, which lists directions for use, ingredients and first aid steps in case of accidental poisoning.
3. Do not store herbicides, pesticides and rodenticides in areas where flooding is possible or where they may spill or leak into wells, stormwater drains, ground water or surface water. If a spill occurs, clean area immediately.
4. Do not stockpile these materials onsite.

NORTH CAROLINA *Environmental Quality*

EFFECTIVE DATE: 11/12/2020

NCG-01 GROUND COVER & MATERIALS HANDLING

TEMPORARY SEEDING SCHEDULE

(TO TEMPORARILY STABILIZE DENUDED AREAS THAT WILL NOT BE BROUGHT TO FINAL GRADE FOR A PERIOD OF 15 WORKING DAYS)

SEEDING DATES: DECEMBER 1 THRU APRIL 15

SEEDING MIXTURE: SPECIES RATE (LBS/AC)

RYE (GRAIN) 120
ANNUAL LESPEDEZA (KOBE) 50

OMIT ANNUAL LESPEDEZA WHEN DURATION OF TEMPORARY COVER IS NOT TO EXTEND BEYOND JUNE

SOIL AMENDMENTS:
FOLLOW SOIL TESTS OR APPLY:
2,000 LBS/AC LIMESTONE AND
750 LB/AC 10-10-10 FERTILIZER

MULCH: 4,000 LBS/AC - ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE: REFERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, REFERTILIZE AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

SEEDING DATES: APRIL 15 - AUGUST 15

SEEDING MIXTURE: SPECIES RATE (LBS/AC)

GERMAN MILLET 40

SOIL AMENDMENTS:
FOLLOW SOIL TESTS OR APPLY:
2,000 LBS/AC LIMESTONE AND
750 LB/AC 10-10-10 FERTILIZER

MULCH: 4,000 LBS/AC - ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE: REFERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, REFERTILIZE AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

SEEDING DATES: AUGUST 15 THRU DECEMBER 15

SEEDING MIXTURE: SPECIES RATE (LBS/AC)

RYE (GRAIN) 120

SOIL AMENDMENTS:
FOLLOW SOIL TESTS OR APPLY:
2,000 LBS/AC LIMESTONE AND
1000 LB/AC 10-10-10 FERTILIZER

MULCH: 4,000 LBS/AC - ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OF A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE: REPAIR AND REFERTILIZE DAMAGED AREAS IMMEDIATELY. TOPDRESS WITH 50 LBS/AC OF NITROGEN IN MARCH. IF IT IS NECESSARY TO EXTEND TEMPORARY COVER BEYOND JUNE 15, OVERSEED WITH 50 LBS/AC KOBE IN LATE FEBRUARY OR EARLY MARCH

TEMPORARY SEEDBED PREPARATION

1. A GOOD SEEDBED IS WELL PULVERIZED, LOOSE, AND UNIFORM.
2. LIMING - APPLY LIME ACCORDING TO SOIL TEST RECOMMENDATIONS. IF THE pH (ACIDITY) OF THE SOIL IS NOT KNOWN, AN APPLICATION OF GROUND AGRICULTURAL LIMESTONE AT THE RATE OF 1 - 1.5 TONS/ACRE ON FINE TEXTURED SOILS AND 2-3 TONS/ACRE ON COARSE TEXTURED SOILS IS USUALLY SUFFICIENT. APPLY LIMESTONE UNIFORMLY AND INCORPORATE INTO THE TOP 4-6 INCHES OF THE SOIL. SOILS WITH A pH OF 6 OR HIGHER NEED NOT BE LIMED.
3. FERTILIZER - BASE APPLICATION RATES ON SOIL TESTS. WHEN THESE ARE NOT POSSIBLE APPLY A 10-10-10 GRADE FERTILIZER AT 700 - 1000 LB/ACRE. BOTH FERTILIZER AND LIME SHOULD BE INCORPORATED INTO THE TOP 4-6 INCHES OF SOIL. IF A HYDRAULIC SEEDER IS USED, DO NOT MIX SEED AND FERTILIZER MORE THAN 30 MINUTES BEFORE APPLICATION.
4. SURFACE ROUGHENING - IF RECENT TILLAGE OPERATIONS HAVE RESULTED IN A LOOSE SURFACE, ADDITIONAL ROUGHENING MAY NOT BE REQUIRED, EXCEPT TO BREAK UP LARGE CLODS. IF RAINFALL CAUSES THE SURFACE TO BECOME SEALED OR CRUSTED, LOOSEN IT JUST PRIOR TO SEEDING BY DISKING, RAKING, HARROWING, OR OTHER SUITABLE METHODS. GROOVE OR FURROW SLOPES STEEPER THAN 3:1 ON THE CONTOUR BEFORE SEEDING. SEE OTHER REQUIREMENTS FOR SURFACE ROUGHENING ON THIS SHEET.

CONSTRUCTION SCHEDULE

Phase 1

1. OBTAIN PLAN APPROVALS AND ALL APPLICABLE PERMITS.
2. FLAG LIMITS OF ROUGH GRADING.
3. HOLD PRECONSTRUCTION MEETING WITH CONTRACTOR, EROSION CONTROL ADMINISTRATOR (252-946-3900), PROJECT ENGINEER AND OWNER BEFORE WORK BEGINS.
4. INSTALL THE PERIMETER SEDIMENT FENCES AS THE FIRST CONSTRUCTION ACTIVITY.
5. INSTALL TEMPORARY GRAVEL CONSTRUCTION ENTRANCE.
6. INSTALL CONCRETE WASHOUT AREA WITH SIGN.
7. INSTALL TEMPORARY SEDIMENT BASIN AND TEMPORARY DIVERSION SWALE PER PLAN.
8. INSTALL STORMWATER WET POND AND OUTLET STRUCTURE AND PIPING.
9. INSTALL ALL PLANTING RELATED TO STORMWATER WET POND.
10. PROVIDE A GROUND COVER (TEMPORARY OR PERMANENT) ON EXPOSED SLOPES 14 CALENDAR DAYS FOLLOWING COMPLETION OF ANY PHASE OF GRADING FOR SLOPES 3:1 OR FLATTER INCLUDING ALL OTHER SLOPES 4:1 OR FLATTER. PROVIDE A GROUND COVER (TEMPORARY OR PERMANENT) ON EXPOSED SLOPES WITHIN 7 CALENDAR DAYS FOLLOWING COMPLETION OF ANY PHASE OF GRADING FOR SLOPES 3:1 OR STEEPER.
11. ADDITIONAL EROSION AND SEDIMENTATION CONTROL MEASURES MAY BE REQUIRED BY THE STATE OR OWNER IF DEEMED NECESSARY.

Phase 2

12. UPON STABILIZATION OF THE STORMWATER WET POND, INSTALL STORM DRAINAGE INCLUDING ALL TEMPORARY EROSION CONTROL MEASURES ASSOCIATED WITH DRAINAGE STRUCTURES AN OUTLETS.
13. PROVIDE A GROUND COVER (TEMPORARY OR PERMANENT) ON EXPOSED SLOPES 14 CALENDAR DAYS FOLLOWING COMPLETION OF ANY PHASE OF GRADING FOR SLOPES 3:1 OR FLATTER INCLUDING ALL OTHER SLOPES 4:1 OR FLATTER. PROVIDE A GROUND COVER (TEMPORARY OR PERMANENT) ON EXPOSED SLOPES WITHIN 7 CALENDAR DAYS FOLLOWING COMPLETION OF ANY PHASE OF GRADING FOR SLOPES 3:1 OR STEEPER.
14. AFTER SITE IS STABILIZED, REMOVE ALL TEMPORARY MEASURES, FINE GRADE DISTURBED AREAS, AND INSTALL PERMANENT VEGETATION ON THE DISTURBED AREAS.
15. MAINTAIN PERMANENT VEGETATION BY TOP DRESSING WITH 700 LBS PER ACRE OF FERTILIZER EVERY 6 MONTHS UNTIL THE COMPLETION OF THE PROJECT.
16. WITHIN 6" OF FINAL GRADE, RE-DISTRIBUTE 6" OF TOP SOIL.
17. FINE GRADE, PERMANENTLY SEED AND MULCH ALL LANDSCAPED AREAS.
18. REMOVE ALL REMAINING TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES UPON COMPLETION AND STABILIZATION OF PROJECT.

PERMANENT SEEDING SCHEDULE

IN ROADWAY AREAS:

MARCH 1 - AUGUST 31:

SEED MIX:	RATE:
TALL FESCUE	50 LB/AC
CENTIPEDE	10 LB/AC
BERMUDAGRASS (HULLED	25 LB/AC
SOIL AMENDMENTS:	**RATE:**
FERTILIZER (10-20-20)	500 LB/AC
LIMESTONE	4000 LB/AC

SEPTEMBER 1 - FEBRUARY 28:

SEED MIX:	RATE:
TALL FESCUE	50 LB/AC
CENTIPEDE	10 LB/AC
BERMUDAGRASS (UNHULLED)	35 LB/AC
SOIL AMENDMENTS:	**RATE:**
FERTILIZER (10-20-20)	500 LB/AC
LIMESTONE	4000 LB/AC

IN WASTE/BORROW AREAS:

MARCH 1 - AUGUST 31:

SEED MIX:	RATE:
TALL FESCUE	75 LB/AC
BERMUDAGRASS (HULLED)	25 LB/AC
SOIL AMENDMENTS:	**RATE:**
FERTILIZER (10-20-20)	500 LB/AC
LIMESTONE	4000 LB/AC

SEPTEMBER 1 - FEBRUARY 28:

SEED MIX:	RATE:
TALL FESCUE	75 LB/AC
BERMUDAGRASS (UNHULLED)	35 LB/AC
SOIL AMENDMENTS:	**RATE:**
FERTILIZER (10-20-20)	500 LB/AC
LIMESTONE	4000 LB/AC

MULCH:
APPLY 4,000 LB/ACRE GRAIN STRAW OR EQUIVALENT COVER OF ANOTHER SUITABLE MULCH. ANCHOR BY TACKING WITH ASPHALT, ROVING, NETTING, OR BY CRIMPING WITH A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE:
REFERTILIZE THE FOLLOWING APRIL WITH 50 LB/ACRE NITROGEN.
REPEAT AS GROWTH REQUIRES. MAY BE MOWED AS OFTEN AS NEEDED.

NOTE:SEE NCDOT'S LATEST STANDARDS FOR STABILIZATION FOR MORE INFORMATION.

PERMANENT SEEDBED PREPARATION

1. INSTALL NECESSARY MECHANICAL EROSION AND SEDIMENTATION CONTROL PRACTICES BEFORE SEEDING, AND COMPLETE GRADING ACCORDING TO THE APPROVED PLAN.
2. LIME AND FERTILIZER NEEDS SHOULD BE DETERMINED BY SOIL TESTS. SOIL TESTING IS PERFORMED FREE OF CHARGE BY THE NC DEPT. OF AGRICULTURE. SOIL TESTING LABORATORY. DIRECTIONS, SAMPLE CARTONS, AND INFORMATION ARE AVAILABLE THROUGH COUNTY AGRICULTURAL EXTENSION OFFICES OR FROM NCDA. BECAUSE THE NCDA SOIL TESTING LAB REQUIRES 1-6 WEEKS FOR SAMPLE TURN-AROUND, SAMPLING MUST BE PLANNED WELL IN ADVANCE OF FINAL GRADING. TESTING IS ALSO DONE BY COMMERCIAL LABORATORIES.
3. WHEN SOIL TESTS ARE NOT AVAILABLE, FOLLOW RATES SUGGESTED IN THE PERMANENT SEEDING SCHEDULE ON THIS SHEET. APPLICATION RATES USUALLY FALL INTO THE FOLLOWING RANGES:

   GROUND AGRICULTURAL LIMESTONE:
   LIGHT TEXTURED, SANDY SOILS: 1 - 1.5 TONS/ACRE
   HEAVY TEXTURED, CLAYEY SOILS: 2 - 3 TONS/ACRE

   FERTILIZER:
   GRASSES: 800 - 1200 LB/ACRE OF 10-10-10 (OR EQUIVALENT)
   GRASS-LEGUME MIXTURES: 800 - 1200 LB/ACRE OF 5-10-10 (OR EQUIVALENT)
4. APPLY LIME AND FERTILIZER EVENLY AND INCORPORATE INTO THE TOP 4-6 INCHES OF SOIL BY DISKING OR OTHER SUITABLE MEANS. OPERATE MACHINERY ON THE CONTOUR.
5. ROUGHEN SURFACES IN ACCORDANCE WITH THE NOTES ON SURFACE ROUGHENING ON THIS SHEET.
6. COMPLETE SEEDBED PREPARATION BY BREAKING UP LARGE CLODS AND RAKING INTO A SMOOTH, UNIFORM SURFACE (SLOPES LESS THAN 3:1.) FILL IN OR LEVEL DEPRESSIONS THAT CAN COLLECT WATER. BROADCAST SEED INTO A FRESHLY LOOSENED SEEDBED THAT HAS NOT BEEN SEALED BY RAINFALL.

NEW STABILIZATION TIMEFRAMES

SITE AREA DESCRIPTION	STABILIZATION	TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES, SLOPES	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH
SLOPES STEEPER THAN 3:1	7 DAYS	NONE EXCEPT FOR PERIMETER AND HQW ZONES
SLOPES 3:1 OR FLATTER	14 DAYS	NONE
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE

DATE:

PAGE:

PART II, SECTION G, ITEM (4)
DRAW DOWN OF SEDIMENT BASINS FOR MAINTENANCE OR CLOSE OUT

Sediment basins and traps that receive runoff from drainage areas of one acre or more shall use outlet structures that withdraw water from the surface when these devices need to be drawn down for maintenance or close out unless this is infeasible. The circumstances in which it is not feasible to withdraw water from the surface shall be rare (for example, times with extended cold weather). Non-surface withdrawals from sediment basins shall be allowed only when all of the following criteria have been met:

(a) The E&SC plan authority has been provided with documentation of the non-surface withdrawal and the specific time periods or conditions in which it will occur. The non-surface withdrawal shall not commence until the E&SC plan authority has approved these items,
(b) The non-surface withdrawal has been reported as an anticipated bypass in accordance with Part III, Section C, item (2)(c) and (d) of this permit,
(c) Dewatering discharges are treated with controls to minimize discharges of pollutants from stormwater that is removed from the sediment basin. Examples of appropriate controls include properly sited, designed and maintained dewatering tanks, weir tanks, and filtration systems,
(d) Vegetated, upland areas of the sites or a properly designed stone pad is used to the extent feasible at the outlet of the dewatering treatment devices described in item (c) above,
(e) Velocity dissipation devices such as check dams, sediment traps, and riprap are provided at the discharge points of all dewatering devices, and
(f) Sediment removed from the dewatering treatment devices described in item (c) above is disposed of in a manner that does not cause deposition of sediment into waters of the United States.

PART III
SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION A: SELF-INSPECTION

Self-inspections are required during normal business hours in accordance with the table below. When adverse weather or site conditions would cause the safety of the inspection personnel to be in jeopardy, the inspection may be delayed until the next business day on which it is safe to perform the inspection. In addition, when a storm event of equal to or greater than 1.0 inch occurs outside of normal business hours, the self-inspection shall be performed upon the commencement of the next business day. Any time when inspections were delayed shall be noted in the Inspection Record.

Inspect	Frequency (during normal business hours)	Inspection records must include:
(1) Rain gauge maintained in good working order	Daily	Daily rainfall amounts. If no daily rain gauge observations are made during weekend on holiday periods, and no individual-day rainfall information is available, record the cumulative rain measurement for those unattended days (this will determine if a site inspection is needed). Days on which no rainfall occurred shall be recorded as "Zero." The permittee may use another rain-monitoring device approved by the Division.
(2) E&SC Measures	At least one per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours.	1. Identification of the measures inspected 2. Date and Time of the inspection 3. Name of the person performing the inspection 4. Indication of whether the measures were operating properly 5. Description of maintenance needs for the measure 6. Description, Evidence, and date of corrective actions taken
(3) Stormwater discharge outfalls(SDOs)	At least one per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours.	1. Identification of the discharge outfalls inspected 2. Date and Time of the inspection 3. Name of the person performing the inspection 4. Evidence of indicators of stormwater pollution such as oil sheen, floating or suspended solids or discoloration 5. Indication of visible sediment leaving the site 6. Description, Evidence, and date corrective actions taken
(4) Perimeter of Site	At least one per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours.	If visible Sedimentation is found outside site limits, then record of the following shall be made: 1) Actions taken to clean up or stabilize sediment that has left the site limits 2) Description, Evidence and date of corrective actions taken 3) An explanation as to the actions taken to control future releases
(5) Streams or wetlands onsite or offsite (where accessible)	At least one per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours.	If the stream or wetland has increased visible sedimentation or has visible increased turbidity from the construction activity, then a record of the following shall be made: 1)Description, Evidence and date of corrective actions taken 2)Records of required reports to the appropriate Division Regional Office per Part III, Section C, Item(2)(a) of this permit
(6) Ground Stabilization Measures	After each phase of grading.	1. The phase of grading (installation of perimeter E&SC measures, clearing and grubbing, installation of storm drainage facilities, completion of all land-disturbing activity, construction or redevelopment, permanent ground cover). 2. Documentation that the required ground stabilization measures have been provided within the required timeframe or assurance that they will be provided as soon as possible.

NOTE: The rain inspection resets the required 7 calendar day inspection requirement.

PART III
SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION B: RECORDKEEPING

1. E&SC Plan Documentation

The approved E&SC plan as well as any approved deviation shall be kept on the site. The approved E&SC plan must be kept up-to-date throughout the coverage under this permit. The following items pertaining to the E&SC plan shall be kept on site and available for inspection at all times during normal business hours.

Item to Document	Document Requirements
(a) Each E&SC measure has been installed and does not significantly deviate from the locations, dimensions and relative elevations shown on the approved E&SC plan.	Initial and date each E&SC measure on a copy of the approved E&SC plan or complete, date and sign an inspection report that lists each E&SC measure shown on the approved E&SC plan. This documentation is required upon the initial installation of the E&SC measures are modified after initial installation.
(b) A phase of grading has been completed.	Initial and date a copy of the approved E&SC plan or complete, date and sign an inspection report to indicate completion of the construction phase.
(c) Ground cover is located and installed in accordance with the approved E&SC plan.	Initial and date a copy of the approved E&SC plan or complete, date and sign an inspection report to indicate compliance with approved ground cover specifications.
(d) The maintenance and repair requirements for all E&SC measures have been performed.	Complete, date and sign an inspection report.
(e) Corrective actions have been taken to E&SC measures.	Initial and date a copy of the approved E&SC plan or complete, date and sign an inspection report to indicate the completion of the corrective action.

2. Additional Documentation to be Kept on Site

In addition to the E&SC plan documents above, the following items shall be kept on the site and available for inspectors at all times during normal business hours, unless the Division provides a site-specific exemption based on unique site conditions that make this requirement not practical:

(a) This General Permit as well as the Certificate of Coverage, after it is received.

(b) Records of inspections made during the previous twelve months. The permittee shall record the required observations on the Inspection Record Form provided by the Division or a similar inspection form that includes all the required elements. Use of electronically-available records in lieu of the required paper copies will be allowed if shown to provide equal access and utility as the hard-copy records.

3. Documentation to be Retained for Three Years

All data used to complete the e-NOI and all inspection records shall be maintained for a period of three years after project completion and made available upon request. [40 CFR 122.41]

PART III
SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION C: REPORTING

1. Occurrences that Must be Reported

Permittees shall report the following occurrences:

(a) Visible sediment deposition in a stream or wetland.
(b) Oil spills if:
- They are 25 gallons or more,
- They are less than 25 gallons but cannot be cleaned up within 24 hours,
- They cause sheen on surface waters (regardless of volume), or
- They are within 100 feet of surface waters (regardless of volume).

(c) Releases of hazardous substances in excess of reportable quantities under Section 311 of the Clean Water Act (Ref: 40 CFR 110.3 and 40 CFR 117.3) or Section 102 of CERCLA (Ref: 40 CFR 302.4) or G.S. 143-215.85.
(d) Anticipated bypasses and unanticipated bypasses.
(e) Noncompliance with the conditions of this permit that may endanger health or the environment.

2. Reporting Timeframes and Other Requirements

After a permittee becomes aware of an occurrence that must be reported, he shall contact the appropriate Division regional office within the timeframes and in accordance with the other requirements listed below. Occurrences outside normal business hours may also be reported to the Department's Environmental Emergency Center personnel at (800) 858-0368.

Occurrence	Reporting Timeframe (After Discovery) and Other Requirements
(a) Visible sediment deposition in a stream or wetland	• Within 24 hours, an oral or electronic notification. • Within 7 Calendar Days, a report that contains a description of the sediment and actions taken to address the cause of the deposition. Division staff may waive the requirement for a written report on a case-by-case basis. • If the stream is named on the NC 303(d) list as impaired for sediment-related caused, the permittee may be required to perform additional monitoring, inspections or apply more stringent practices if staff determine that additional requirements are needed to assure compliance with the federal or state impaired-waters conditions.
(b) Oil spills and release of hazardous substances per Item 1(b)-(c) above	• Within 24 hours, an oral or electronic notification. The notification shall include information about the date, time, nature, volume and location of the spill or release.
(c) Anticipated bypasses [40 CFR 122.41(m)(3)]	• *A report at least ten days before the date of the bypass, if possible.* The report shall include an evaluation of the anticipated quality and effect of the bypass.
(d) Unanticipated bypasses [40 CFR 122.41(m)(3)]	• Within 24 Hours, an oral or electronic notification • Within 7 calendar days, a report that includes an evaluation of the quality and effect of the bypass.
(e) Noncompliance with the conditions of this permit that may endanger health or the environment [40 CFR 122.41(l)(7)]	• Within 24 Hours, an oral or electronic notification • Within 7 calendar days, a report that contains a description of the noncompliance, and its causes; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time noncompliance is expected to continue; and steps taken or planned to reduce, eliminate and prevent reoccurrence of the noncompliance. [40 CFR 122.41(l)(6). • Division staff may waive the requirement for a written report on a case-by-case basis.

NORTH CAROLINA *Environmental Quality*

EFFECTIVE DATE: 11/12/2020

NCG-01- SELF INSPECTION

MATERIALS KEYING LEGEND

GENERAL NOTES

SCO ID #22-25191-01A

RAI Project 2023010 DWG W-4074

Rivers & ASSOCIATES, INC.
NC License: F-0334
riversandassociates.com Since 1918
107 East Second Street
Greenville, NC 27858
(252) 752-4135
Engineers
Planners
Surveyors
Landscape Architects

NO	REVISION	DATE

SEAL

JKF ARCHITECTURE
425 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-353-1048

PITT COMMUNITY COLLEGE WELDING BUILDING

TOWN OF WINTERVILLE - PITT COUNTY - NC

DRAWING TITLE

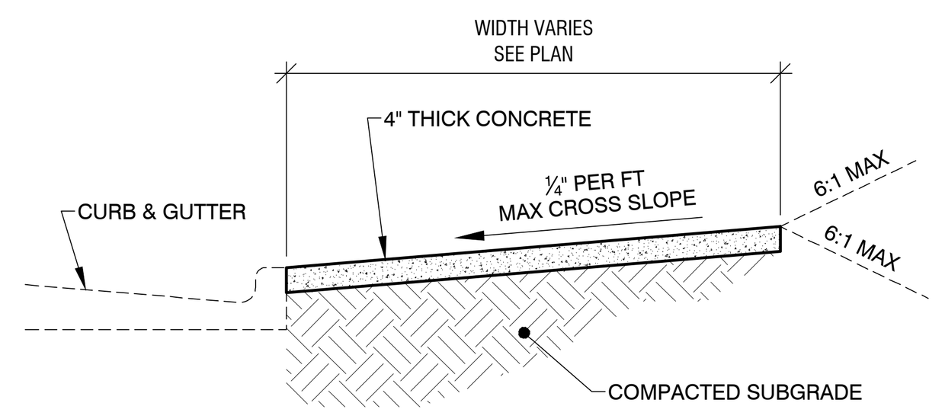
EROSION CONTROL NOTES

SCALE	1" = 30'
DRAWN	NRW
CHECKED	JSJ
DATE	02/15/2024
PROJECT NO.	2022-07
DRAWING NO	C5.2

P:\LANDDEV\JKF PCC_WELDING_BLDG_2023010\CADD_DWG\SHEETS\N-4074 EROSION NOTES 1.DWG - LAYOUT1 - 2/19/2024 11:45:27 AM - RYAN WELLS

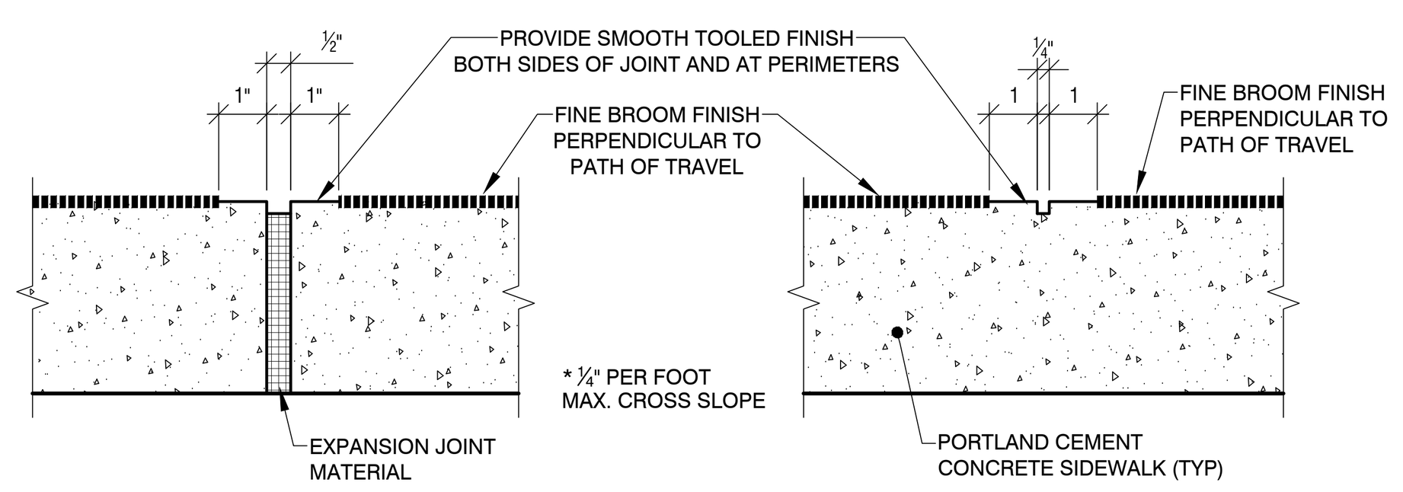
NOTES:

1. ALL SLOPES MUST MEET FEDERAL ADA AND NC STATE STANDARDS. WHENEVER CONFLICTS EXIST, THE MORE RESTRICTIVE PROVISION SHALL APPLY.
2. SIDEWALKS ARE CONSIDERED A CIRCULATION PATH AND PEDESTRIAN ACCESS ROUTE. A PEDESTRIAN ACCESS ROUTE IS CONTINUOUS AND AN UNOBSTRUCTED PATH OF TRAVEL PROVIDED FOR PEDESTRIANS. FOR THE PURPOSE OF SIMPLICITY SIDEWALKS SHALL CONTINUE IN DESIGN ACROSS DRIVEWAYS AND STREET INTERSECTIONS AND ARE DETAILED ELSE WHERE.
3. ALL CONCRETE TO BE TYPE "B" 3,000 PSI, FINISHED WITH A CURING COMPOUND AND ROUGH-NON SKID TYPE SURFACE.
4. TRANSVERSE EXPANSION JOINTS TO BE A MAXIMUM OF 50 FEET APART.
5. SIDEWALK SHALL BE 4 INCHES DEEP, 6 INCH DEPTH SHALL BE REQUIRED AT DRIVEWAY CROSSING LOCATIONS.
6. OBJECTS PROTRUDING INTO OR OVERHANGING INTO A PATH OF TRAVEL SHALL NOT REDUCE THE MINIMUM CLEAR WIDTH OF THE ROUTE.
7. OBJECTS SHALL INCLUDE AND NOT BE LIMITED TO SIGNS, LIGHT POSTS, HANDRAILS, PLANTERS, MAILBOXES, TRASH RECEPTORS, MARKERS AND MAIL BOXES.
8. ALL OBJECTS WITH LEADING EDGES BETWEEN 2'-3" AND 6'-8" ABOVE FINISH SURFACE SHALL BE LIMITED TO A MAXIMUM OF NO MORE THAN 4" INTO THE PEDESTRIAN PATH AT ANY POINT.



1 CONCRETE SIDEWALK

N.T.S.

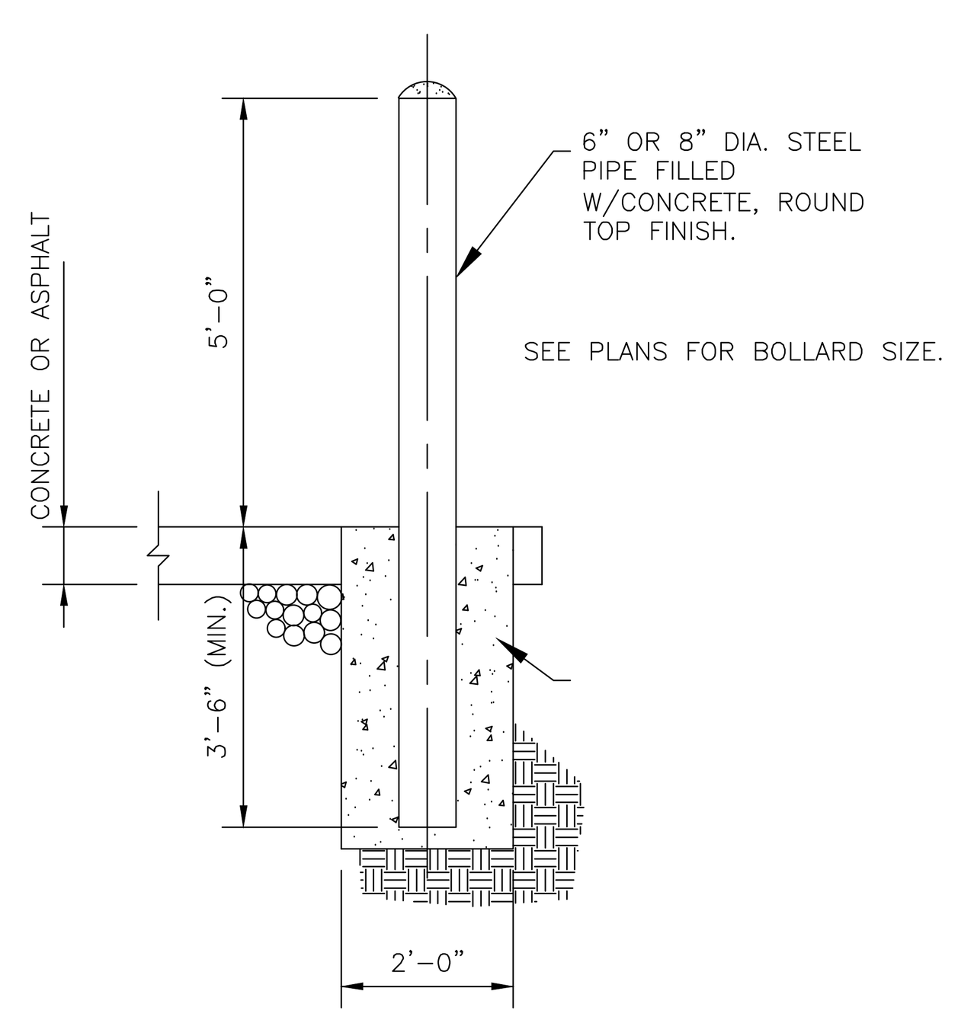


EXPANSION JOINT

CONTROL JOINT

2 TYP. SIDEWALK JOINTS

N.T.S.



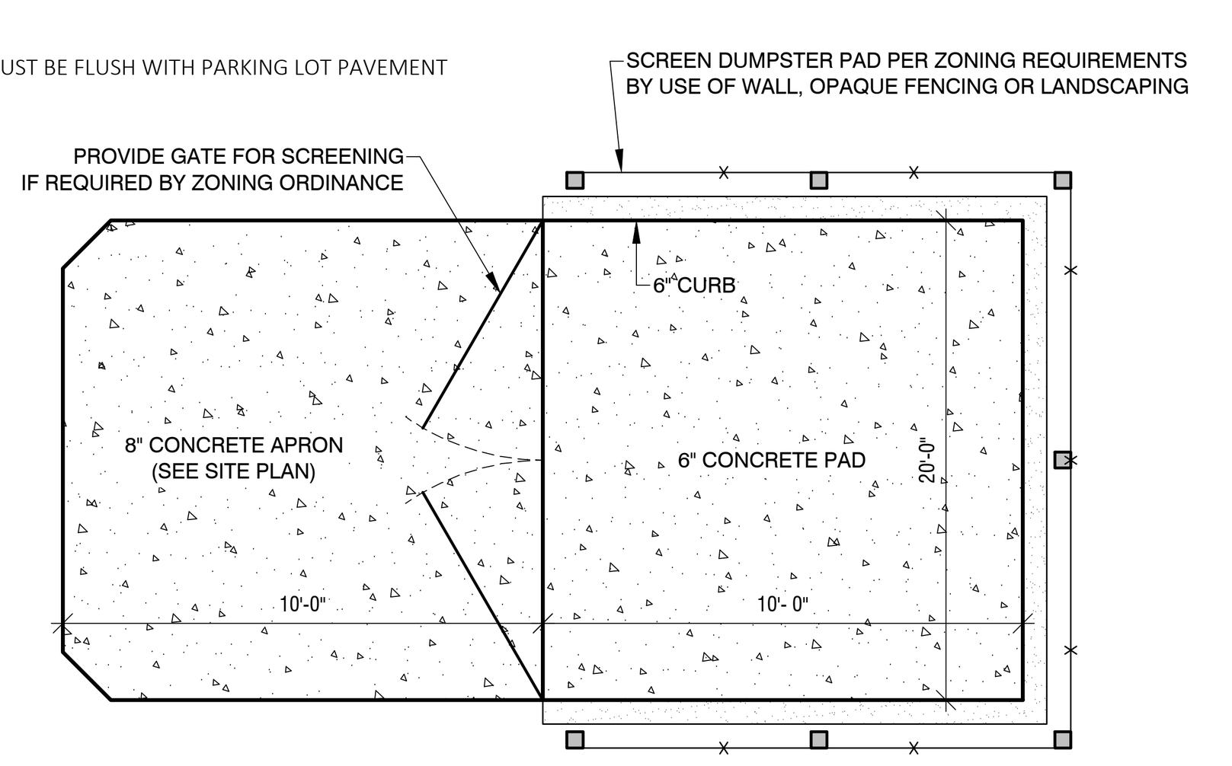
3 6" OR 8" CONCRETE BOLLARD

POURED CONCRETE

N.T.S.

NOTE:

CONTAINER PAD MUST BE FLUSH WITH PARKING LOT PAVEMENT

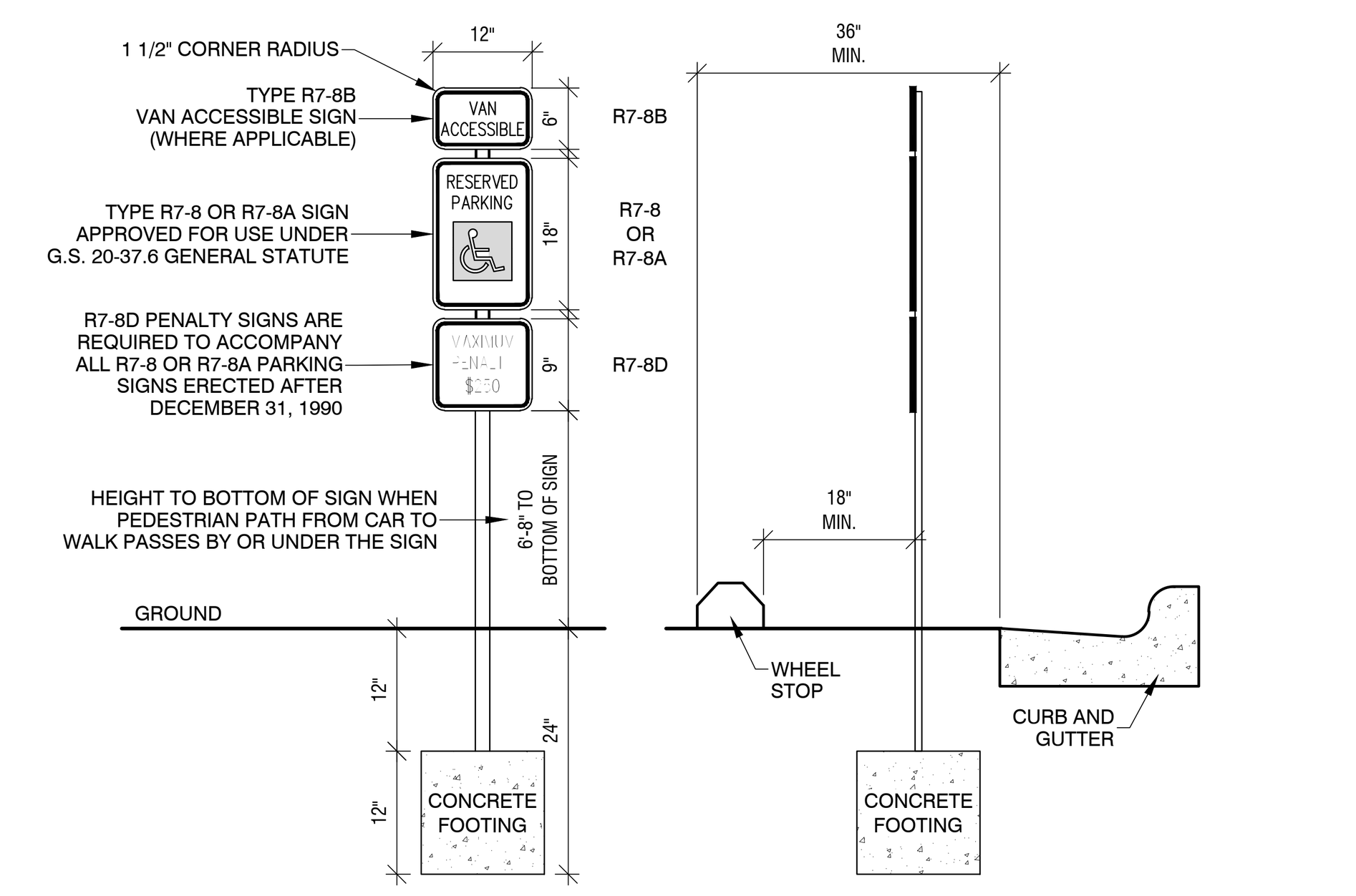


4 DUMPSTER PAD

N.T.S.

NOTES:

1. ALL INFORMATION MUST MEET THE CURRENT NCDOT STANDARDS, IF CONFLICT ARISES NCDOT STANDARDS SHALL DICTATE.
2. EACH HANDICAP PARKING SPACE SHALL HAVE ITS OWN SIGN.
3. SIGN SHALL BE ENGINEERING GRADE REFLECTIVE ALUMINUM, MEETING ASTM D4956 TYPE I. REFLECTION SHALL BE EFFECTIVE FOR 7 YEARS AND WILL BE RESISTANT TO FADING AND MILD CHEMICALS.
4. SIGN SHALL BE 0.08" THICK - 18 GUAGE GALVANIZED SHEET METAL.
5. THE SIGN SHALL HAVE SERVICE TEMP RANGE OF -10°F TO 130°F.
6. THE AVERAGE TEXT SIZE SHALL BE 1 1/2" HELVETICA MEDIUM LETTERS.
7. HANDICAP SYMBOL SHALL BE WHITE ON A BLUE BACKGROUND.
8. BACKGROUND OF SIGN SHALL BE WHITE.
9. THE SIGN SHALL BE MOUNTED TO THE POST USING A 1/4" X 2 1/2" LONG TRUSS HEAD GALVANIZED BOLTS THROUGH THE SIGN AND POST, MOUNTED AT THE TOP AND BOTTOM.

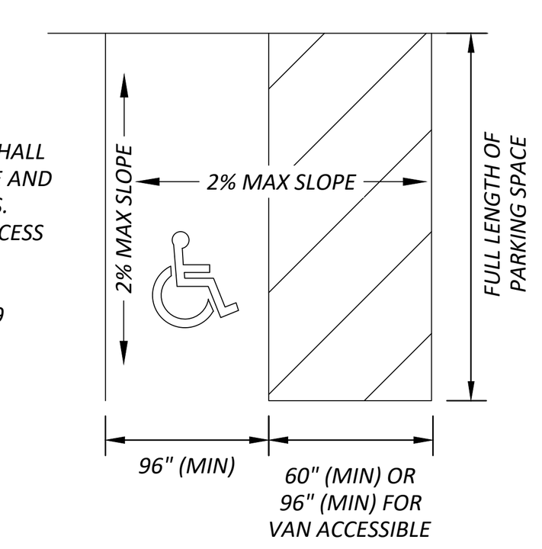


5 ACCESSIBLE PARKING SIGN

N.T.S.

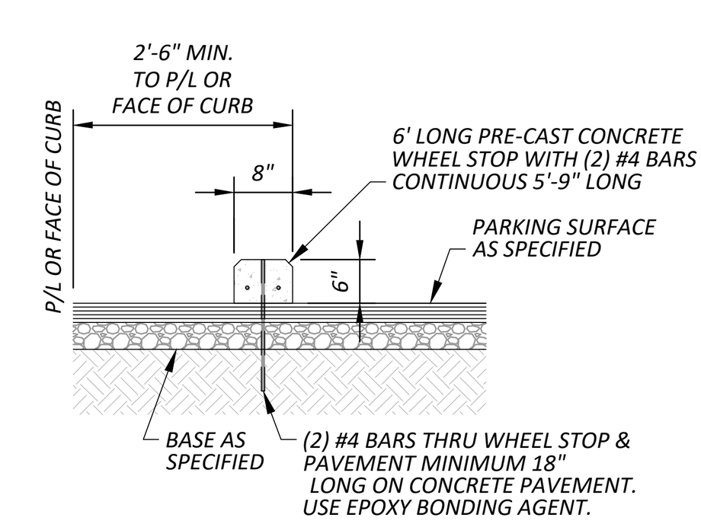
NOTES:

1. *HANDICAPPED PARKING SPACE SHALL CONFORM WITH CURRENT STATE AND LOCAL CODES AND REGULATIONS.*
2. *VAN ACCESSIBLE SPACES AND ACCESS AISLES SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF 98"*
3. *REFERENCE ANSI/ICC A117.1.2009*



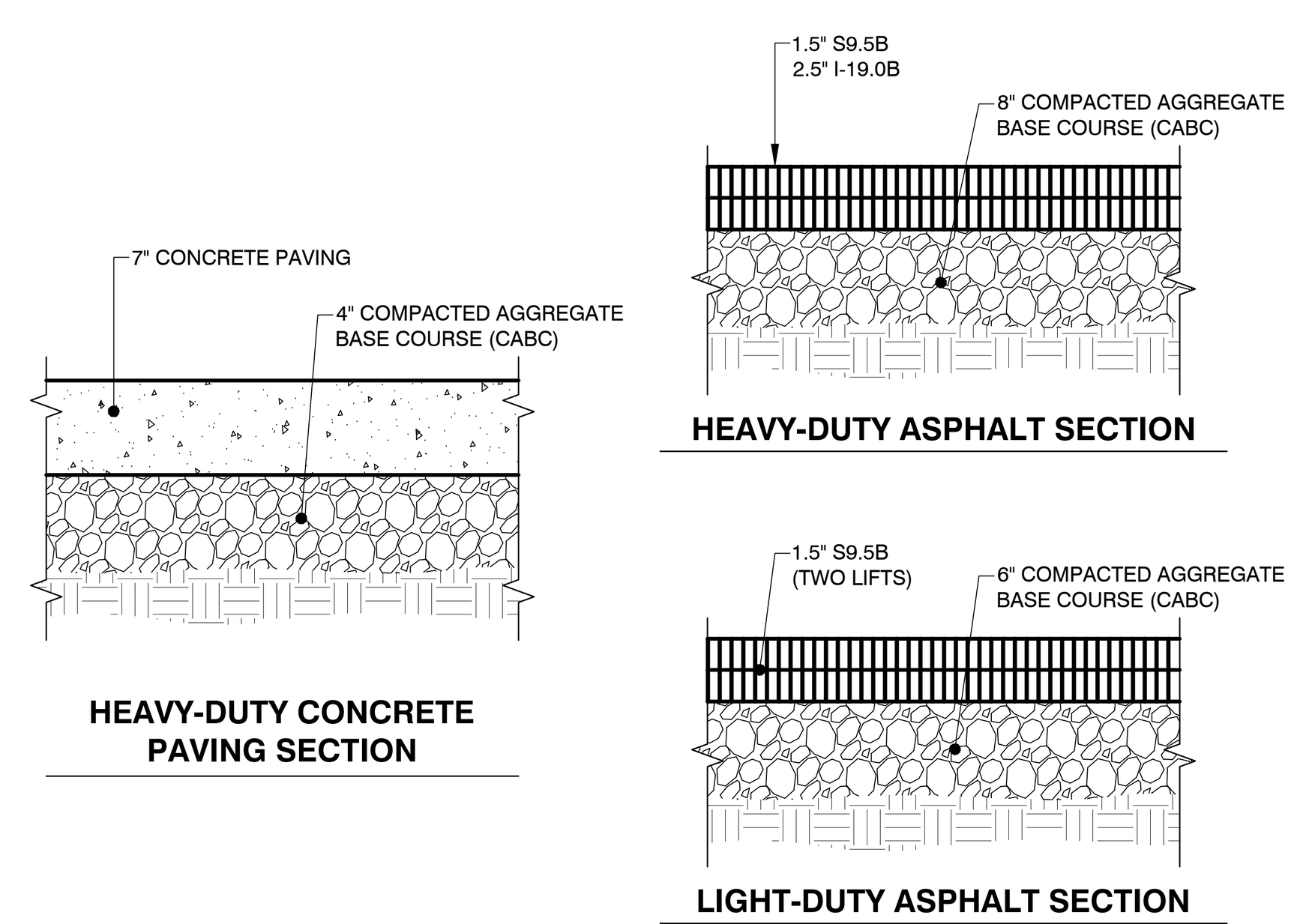
6 HANDICAPPED PARKING

N.T.S.
PVMT-



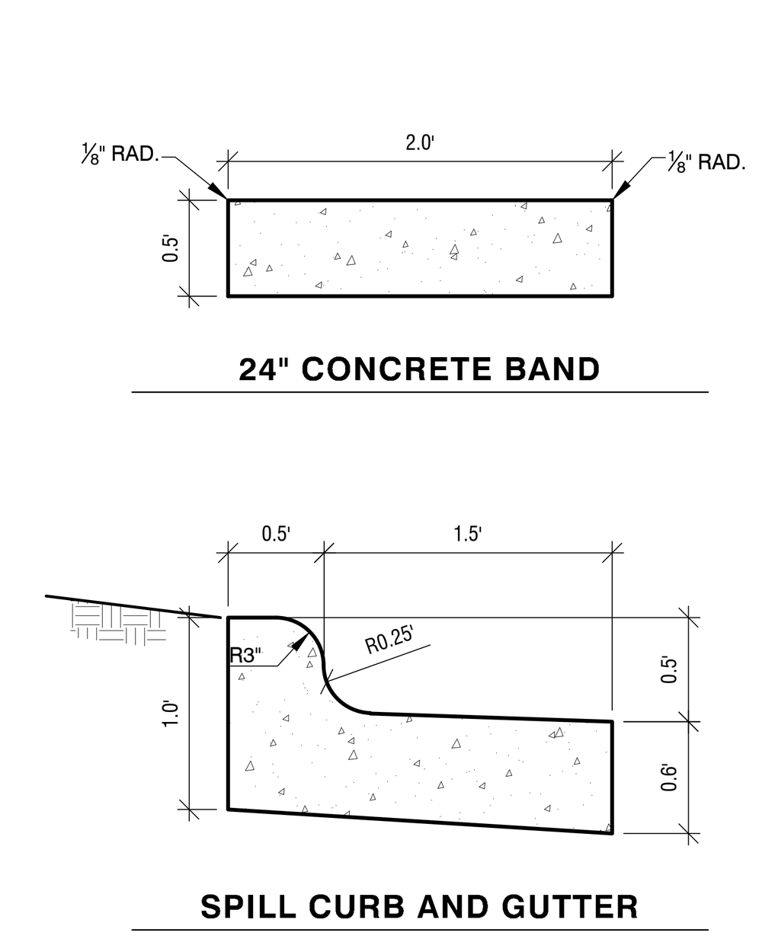
7 CONCRETE WHEEL STOP

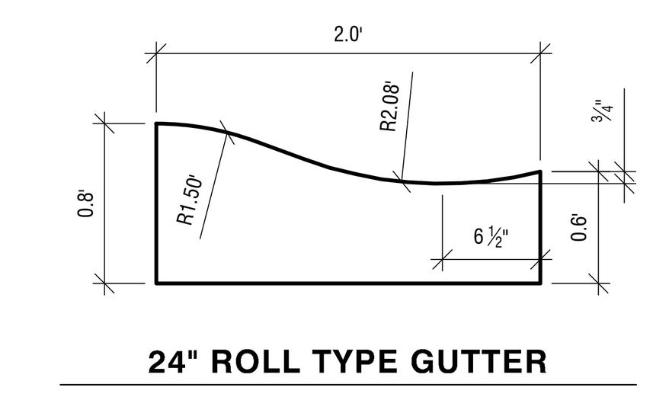
N.T.S.
PVMT-33



8 PAVEMENT SECTIONS

N.T.S.





GENERAL NOTES:

CONTRACTION JOINTS SHALL BE SPACED AT 10' INTERVALS, EXCEPT THAT A 15' SPACING MAY BE USED WHEN A MACHINE IS USED OR WHEN SATISFACTORY SUPPORT FOR THE FACE FORM CAN BE OBTAINED WITHOUT THE USE OF TEMPLATES AT 10' INTERVALS. JOINT SPACING MAY BE ALTERED BY THE ENGINEER TO PREVENT UNCONTROLLED CRACKING.

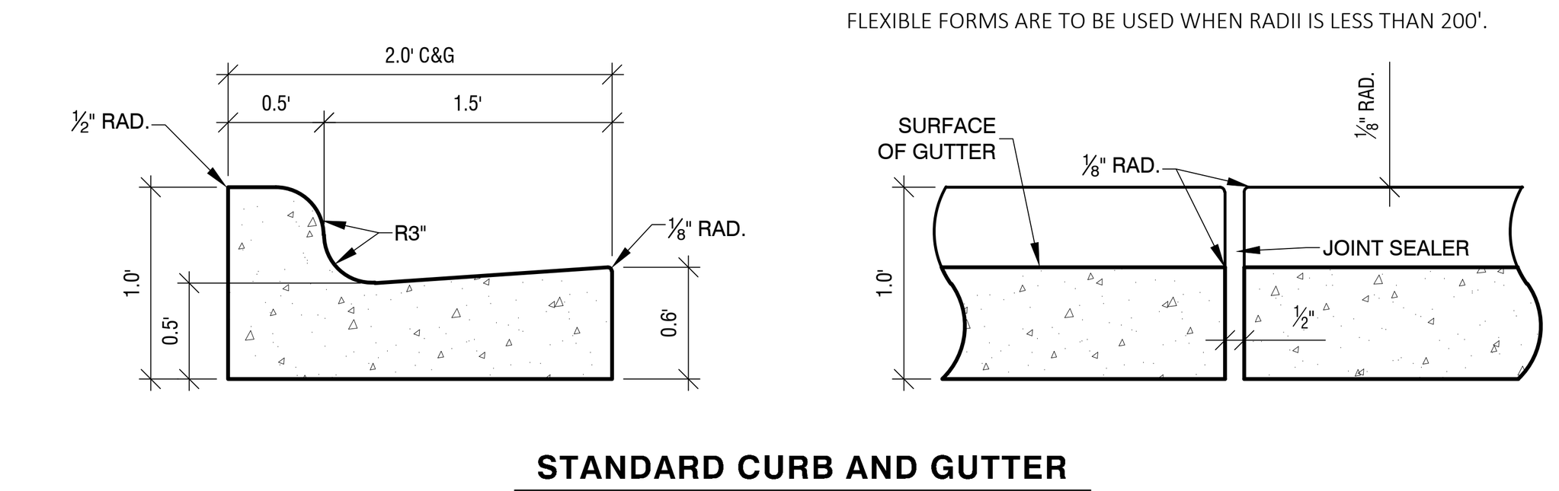
CONTRACTION JOINTS MAY BE INSTALLED BY THE USE OF TEMPLATES OR FORMED BY OTHER APPROVED METHODS. WHERE SUCH JOINTS ARE NOT FORMED BY TEMPLATES, A MINIMUM DEPTH OF 1-1/2" SHALL BE OBTAINED.

ALL CONTRACTION JOINTS SHALL BE FILLED WITH JOINT FILLER

EXPANSION JOINTS SHALL BE SPACED AT 90' INTERVALS, AND ADJACENT TO ALL RIGID OBJECTS.

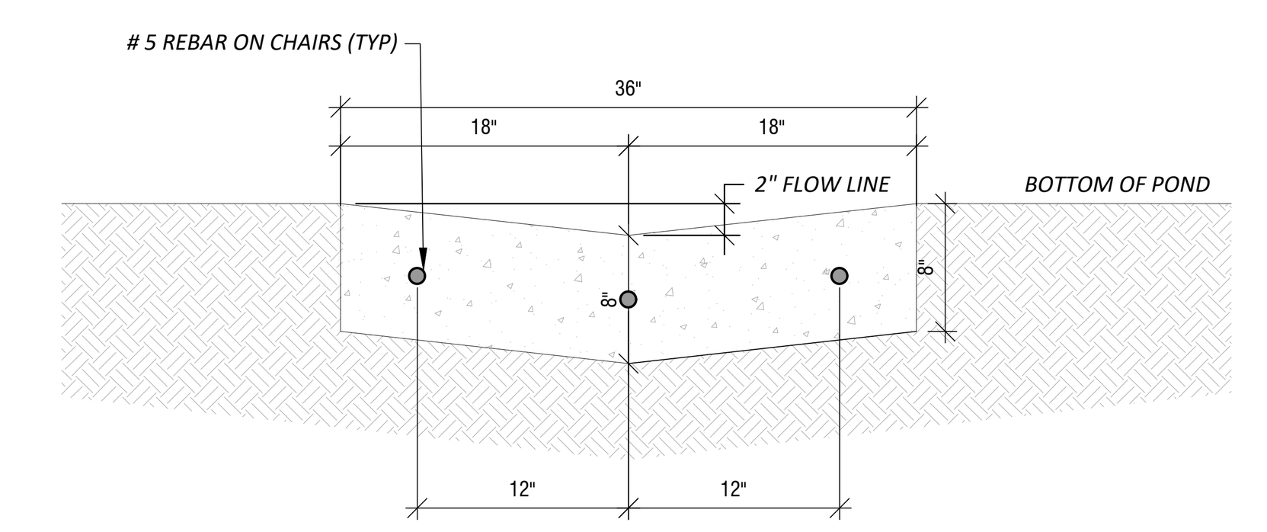
ALL CURB AND GUTTERS ARE TO BE POURED WITH CLASS "A" CONCRETE. (3000 PSI).

FLEXIBLE FORMS ARE TO BE USED WHEN RADII IS LESS THAN 200'.



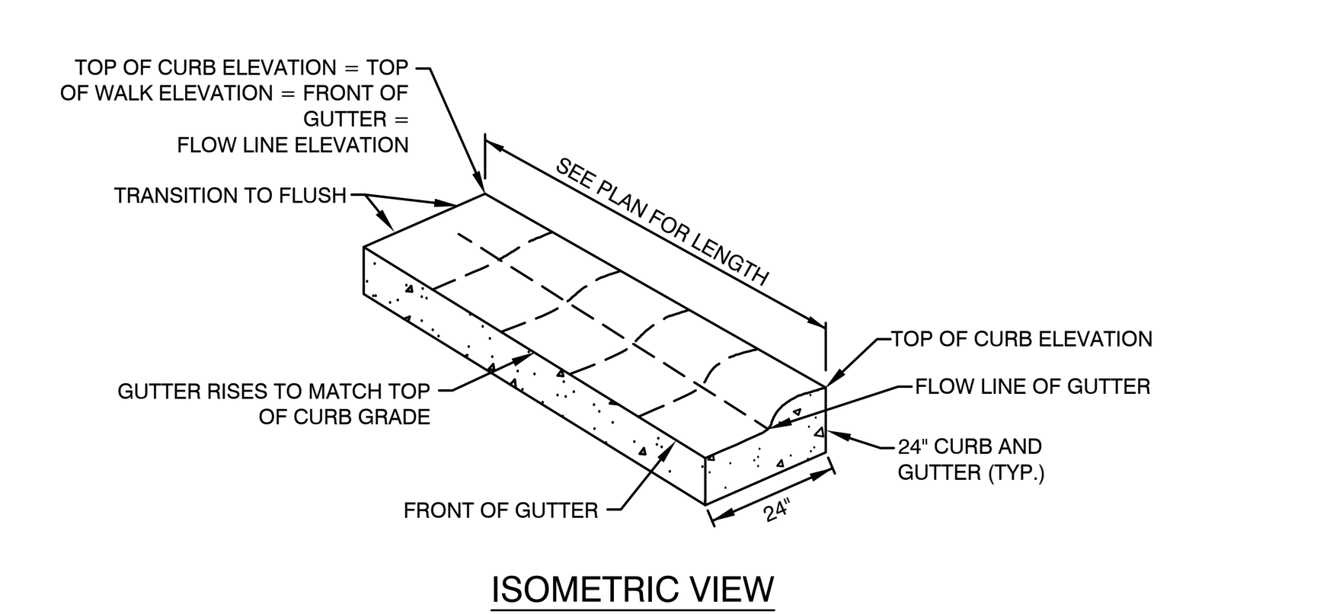
9 CURB AND GUTTER DETAILS

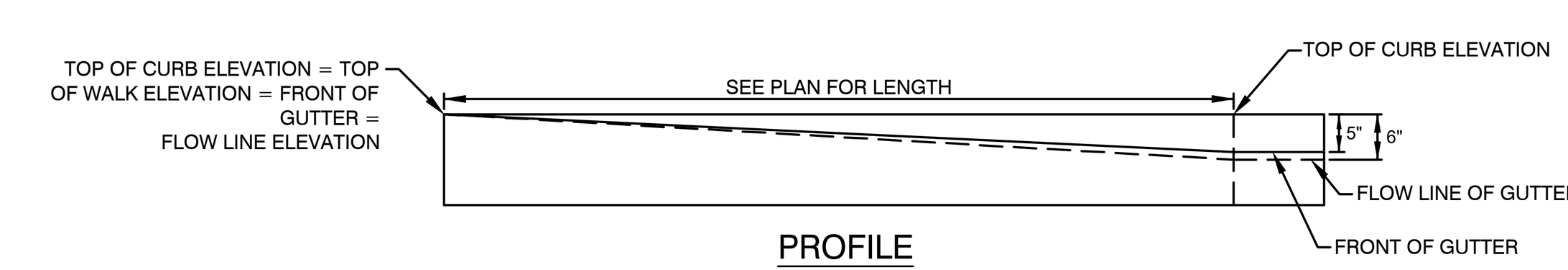
N.T.S.



10 36" CONCRETE FLUME

N.T.S.

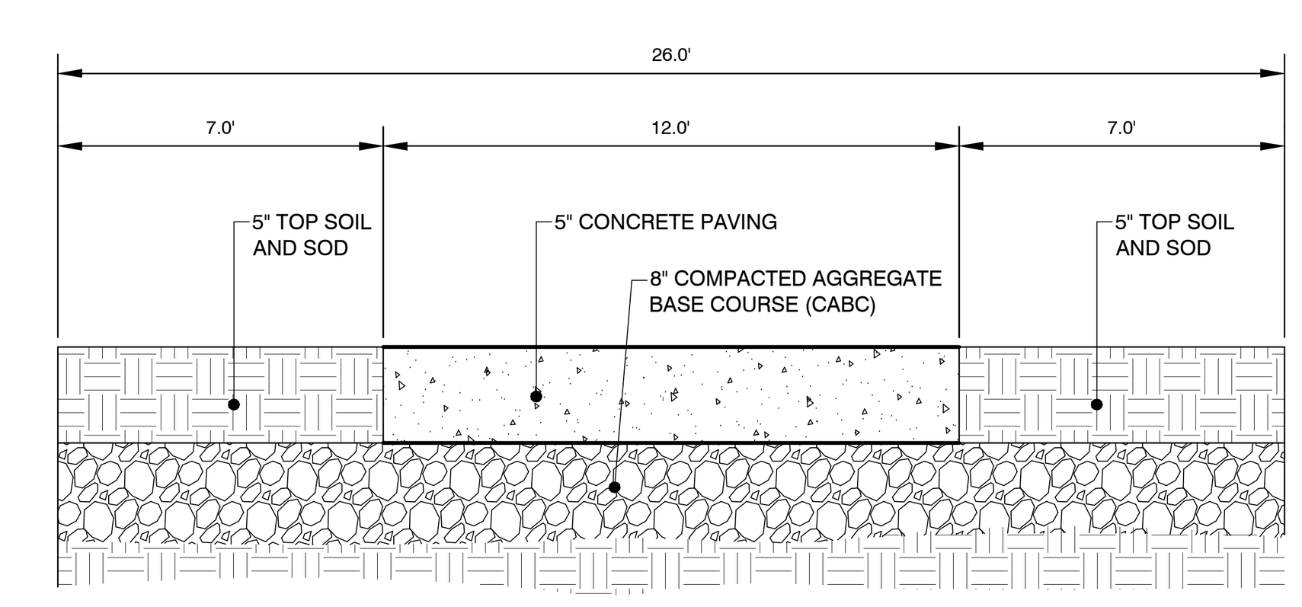




NOTE: THIS DETAIL ILLUSTRATES THE TRANSITION FROM STANDARD CURB & GUTTER - W/ 6" ELEVATION DIFFERENCE BETWEEN TOP OF CURB AND FLOWLINE, TO FLUSH CONDITION - W/ TOP OF CURB AND FLOWLINE OF GUTTER AT SAME ELEVATION. TYPICALLY USED AT ENTRANCE/EXIT TO CAR WASH AND AT SIDEWALK/CURB & GUTTER TRANSITION POINTS ALONG BUILDING.

11 CURB AND GUTTER TO FLUSH PAVING TRANSITION

N.T.S.



12 FIRE LANE SECTION

N.T.S.

MATERIALS KEYING LEGEND

GENERAL NOTES

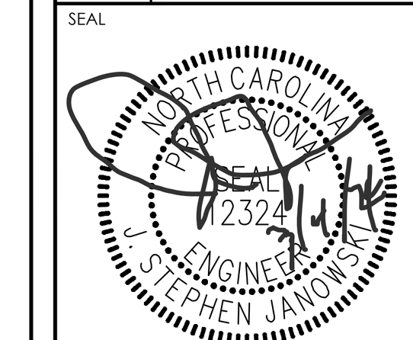
SCO ID #22-25191-01A

RAI Project 2023010 DWG W-4074

Rivers & ASSOCIATES, INC. Since 1918
NC License: F-0334
riversandassociates.com
107 East Second Street
Greenville, NC 27858
(252) 752-4135
Engineers
Planners
Surveyors
Landscape Architects

NO	REVISION	DATE

SEAL



JKF ARCHITECTURE
625 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

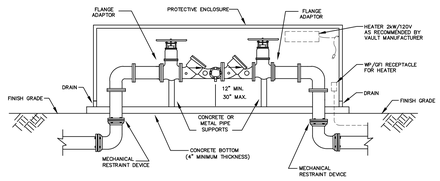
PITT COMMUNITY COLLEGE
WELDING BUILDING
TOWN OF WINTERVILLE - PITT COUNTY - NC

DRAWING TITLE

SITE DETAILS

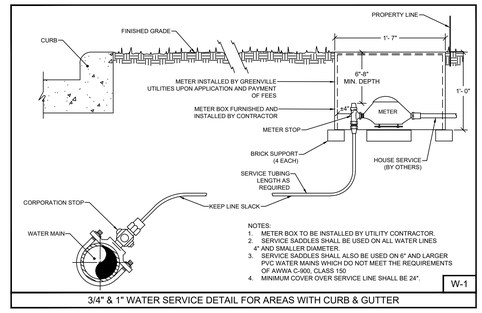
SCALE	1" = 30'
DRAWN	NRW
CHECKED	JSJ
DATE	02/15/2024
PROJECT NO.	2022-07
DRAWING NO	C6.1

NOTES:
1. ALL FLANGE BOLTS SHALL BE GALVANIZED
2. USE ONLY CONTROL DEVICES APPROVED BY GUC AND THE FOUNDATION FOR CROSS-CONNECTION CONTROL AND HYDRAULIC RESEARCH, UNIVERSITY OF SOUTHERN CALIFORNIA.
3. SUBMITTAL SHALL SHOW ALL PIPING & APPURTENANCES WITHIN ENCLOSURE. ENCLOSURE WITH MEASUREMENTS & CLEARANCES CLEARLY LABELED.
4. ENCLOSURE MUST BE SIZED TO ALLOW ADEQUATE ROOM FOR TESTING, MAINTENANCE AND OPERATION.
5. DRAIN OPENINGS SHALL BE SIZED TO ADEQUATELY RELIEVE MAXIMUM DISCHARGE OF APPROPRIATE DEVICE.
6. REDUCED PRESSURE PRINCIPLE ASSEMBLIES (RPZ) SHALL REQUIRE AN ABOVE GROUND INSTALLATION.
7. CONTRACTOR TO PROVIDE HEATER (2kW/120V) AS RECOMMENDED BY VAULT MANUFACTURER
8. REFER TO DETAIL W-12 FOR REACTION BLOCKING.



ABOVE GROUND INSTALLATION (ALTERNATIVE INSTALLATION FOR DCVA)

NOT TO SCALE



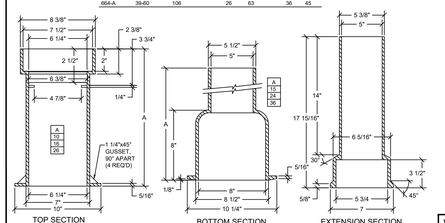
NOTES:
1. METER BOX TO BE INSTALLED BY UTILITY CONTRACTOR.
2. SERVICE SADDLES SHALL BE USED ON ALL WATER LINES 4" AND SMALLER DIAMETER.
3. SERVICE SADDLES SHALL ALSO BE USED ON 6" AND LARGER PVC WATER MAINS WHICH DO NOT MEET THE REQUIREMENTS OF AWWA C-900, CLASS 150
4. MINIMUM COVER OVER SERVICE LINE SHALL BE 24".

W-1

3/4" & 1" WATER SERVICE DETAIL FOR AREAS WITH CURB & GUTTER

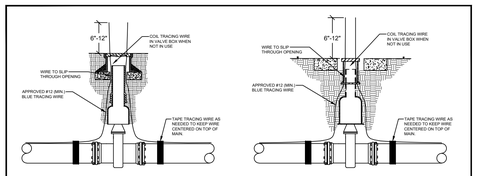
Slip Type	Extension, Inches	Complete Uns. Wt.	Top and Cover Ins. Lgth.,	Top and Cover Lbs. Wt.	Bottom Ins. Lgth.,	Bottom Lbs. Wt.
461-A	18-24	60	10	35	15	25
562-A	24-36	80	16	45	24	35
564-A	36-48	92	16	47	36	45
664-A	39-60	106	26	63	36	45

NOTE:
VALVE BOX SHALL BE EAST JORDAN IRON WORKS #8555 SLIP-TYPE VALVE BOX SERIES WITH #06800007 LID.



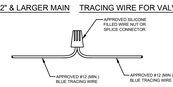
W-19

VALVE BOX DETAIL



TRACING WIRE FOR VALVE BOXES - 12" & LARGER MAIN

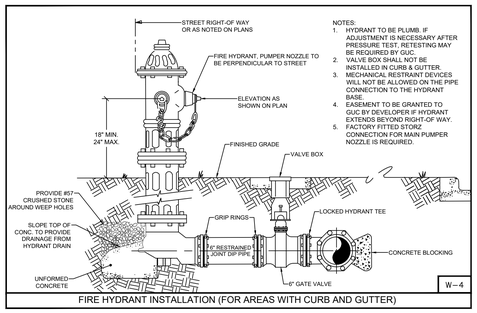
TRACING WIRE FOR VALVE BOXES - SMALLER THAN 12" MAIN



SPLICING OF TRACING WIRES

W-21

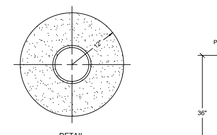
TRACING WIRE INSTALLATION



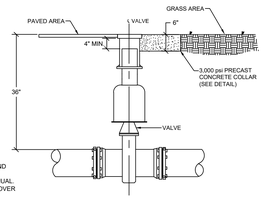
NOTES:
1. HYDRANT TO BE PLUMB. IF ADJUSTMENT IS NECESSARY AFTER PRESSURE TEST, RETESTING MAY BE REQUIRED BY GUC.
2. VALVE BOX SHALL NOT BE INSTALLED IN CURB & GUTTER.
3. MECHANICAL RESTRAINT DEVICES WILL NOT BE ALLOWED ON THE PIPE CONNECTION TO THE HYDRANT BASE.
4. EASEMENT TO BE GRANTED TO GUC BY DEVELOPER IF HYDRANT EXTENDS BEYOND RIGHT-OF WAY.
5. FACTORY FITTED STORZ CONNECTION FOR MAIN PUMPER NOZZLE IS REQUIRED.

W-4

FIRE HYDRANT INSTALLATION (FOR AREAS WITH CURB AND GUTTER)



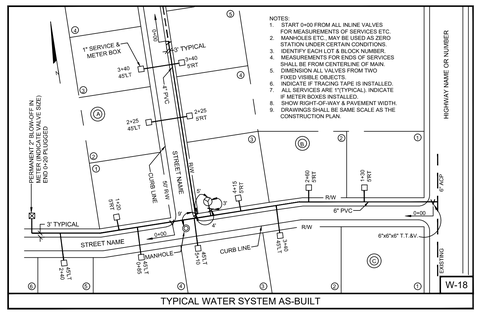
DETAIL
(PRECAST CONCRETE COLLAR)



NOTES:
1. VALVE BOX SHALL NOT BE INSTALLED IN CURB AND GUTTER.
2. VALVE BOX SHALL BE IN ACCORDANCE WITH MANUAL.
3. VALVE BOX SHALL BE CENTERED AND PLUMBED OVER VALVE.

W-7

VALVE BOX DETAIL FOR VALVES SMALLER THAN 12"



NOTES:
1. START 0+00 FROM ALL INLINE VALVES FOR MEASUREMENTS OF SERVICES ETC.
2. MANHOLES ETC., MAY BE USED AS ZERO STATION UNDER CERTAIN CONDITIONS.
3. IDENTIFY EACH LOT & BLOCK NUMBER.
4. MEASUREMENTS FOR ENDS OF SERVICES SHALL BE FROM CENTERLINE OF MAIN.
5. DIMENSION ALL VALVES FROM TWO FIXED VISIBLE OBJECTS.
6. INDICATE IF TRACING TAPE IS INSTALLED.
7. ALL SERVICES ARE 1"(TYPICAL). INDICATE IF METER BOXES INSTALLED.
8. SHOW RIGHT-OF-WAY & PAVEMENT WIDTH.
9. DRAWINGS SHALL BE SAME SCALE AS THE CONSTRUCTION PLAN.

W-18

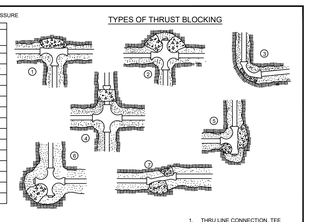
TYPICAL WATER SYSTEM AS-BUILT

REISULTANT THRUST AT FITTING AT 150 PSI WATER PRESSURE

TOTAL POUNDS

NOMINAL DIA.	DEAD END	90° BEND	45° BEND	22-1/2° BEND	11-1/4° BEND
4"	2,700	3,800	2,100	1,100	530
6"	5,900	8,000	4,300	2,200	1,150
8"	9,700	13,600	7,400	3,800	1,900
10"	14,500	20,500	11,100	5,700	2,900
12"	20,500	29,000	15,700	8,000	4,000
14"	27,600	39,000	21,100	11,000	5,400
16"	35,700	50,400	27,300	14,000	7,000
18"	44,800	63,400	34,400	17,500	8,800
20"	55,000	77,000	42,100	21,500	10,800
24"	78,500	110,000	60,000	31,000	15,400
30"	120,600	170,600	92,300	47,100	23,600
36"	172,800	244,400	132,300	67,500	33,900
42"	233,300	330,000	178,600	91,000	45,700
48"	304,000	430,000	232,700	118,600	59,600
54"	384,100	543,200	294,000	149,000	75,300

TYPES OF THRUST BLOCKING



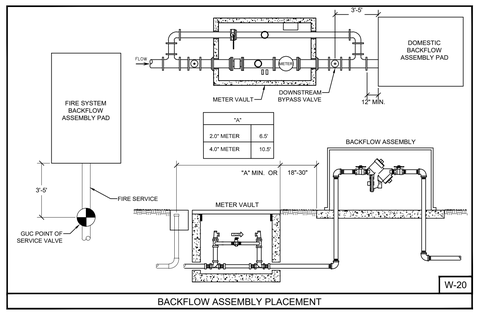
SOIL	BEARING LOAD (lb/sq.ft.)
MUCKY	0
SOFT CLAY	1,000
SILT	1,500
SANDY SILT	3,000
SAND	4,000
SANDY CLAY	6,000
HARD CLAY	9,000

NOTES:
1. POLYWRAP SHALL BE USED TO COVER FITTINGS AND BOLTS.
2. TO DETERMINE THE SIZE OF A CONCRETE THRUST BLOCK, DIVIDE THE TOTAL FORCE BY THE BEARING VALUES OF THE SOIL THE QUOTIENT WILL BE THE SIZE OF THE BEARING AREA OF THE THRUST BLOCK IN SQUARE FEET. APPROXIMATE VALUES FOR VARIOUS TYPES OF SOIL ARE LISTED IN TABLE.
3. NO RESPONSIBILITY CAN BE ASSUMED FOR THE ACCURACY OF THE DATA IN THIS TABLE DUE TO THE WIDE VARIATION OF BEARING LOAD CAPABILITIES FOR EACH SOIL TYPE.

1. THRU LINE CONNECTION, TEE
2. THRU LINE CONNECTION, TEE CROSS USED AS TEE
3. DIRECTION CHANGE, ELBOW
4. CHANGE LINE SIZE, REDUCER
5. DIRECTION CHANGE, TEE USED AS ELBOW
6. DIRECTION CHANGE, CROSS USED AS ELBOW
7. DIRECTION CHANGE

W-12

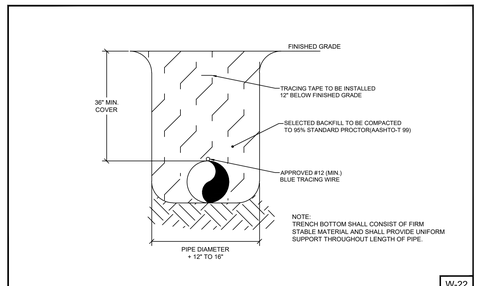
THRUST BLOCKING DETAIL



"A"	
2.0" METER	6.5'
4.0" METER	10.5'

W-20

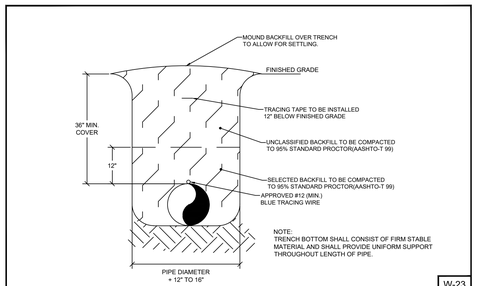
BACKFLOW ASSEMBLY PLACEMENT



NOTE:
TRENCH BOTTOM SHALL CONSIST OF FIRM STABLE MATERIAL AND SHALL PROVIDE UNIFORM SUPPORT THROUGHOUT LENGTH OF PIPE.

W-22

WATER LINE TRENCH DETAIL FOR PAVED AREAS

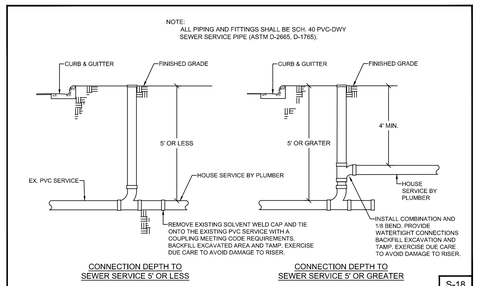


NOTE:
TRENCH BOTTOM SHALL CONSIST OF FIRM STABLE MATERIAL AND SHALL PROVIDE UNIFORM SUPPORT THROUGHOUT LENGTH OF PIPE.

W-23

WATER LINE TRENCH DETAIL FOR UNPAVED AREAS

NOTE:
ALL PIPING AND FITTINGS SHALL BE SCH. 40 PVC-DWY SEWER SERVICE PIPE (ASTM D-2665, D-1765)



S-18

PVC SEWER SERVICE CONNECTION

NOTE: ALL PVC WATER MAINS SHALL MEET THE REQUIREMENTS OF NSF NATIONAL AND BEAR NSF LOGOS.

MATERIALS KEYING LEGEND

GENERAL NOTES

SCO ID #22-25191-01A

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PITT COMMUNITY COLLEGE WELDING BUILDING

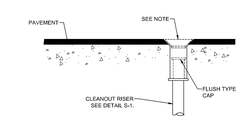
TOWN OF WINTERVILLE - PITT COUNTY - NC

DRAWING TITLE

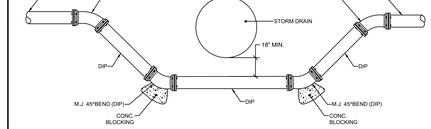
WATER DETAILS

SCALE: 1" = 30'	DRAWING NO: C7.1
DRAWN: NRW	
CHECKED: JSJ	
DATE: 02/15/2024	
PROJECT NO.: 2022-07	

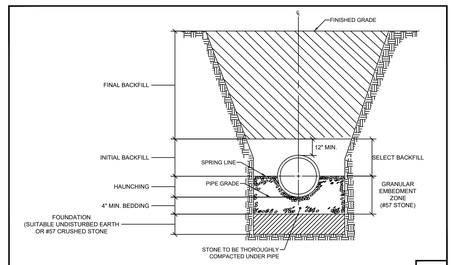
P:\JKF\WORK\JKF-PCC_WELDING_BLDG 2023\01\DWGS\CADD_DWGS\SHEETS\W-4074 WATER DETAILS.DWG, LAYOUT1 - 2/16/2024 1:43:17 PM - RYAN WELLS



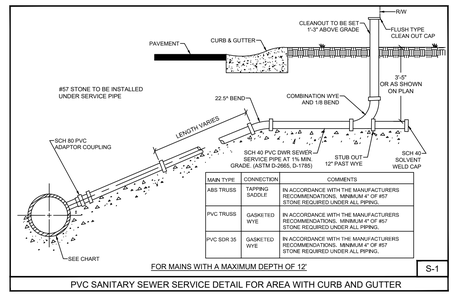
CLEANOUT DETAIL FOR PAVED AREAS — S-3



WATER MAIN AND STORM DRAIN CROSSING — W-14



TRENCH SECTION DETAIL FOR THE INSTALLATION OF VITRIFIED CLAY, ABS & PVC TRUSS SANITARY SEWER PIPE — S-8



MAIN TYPE	CONNECTION	COMMENTS
ABS TRUSS	TAPPING SADDLE	IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS. MINIMUM 4" OF #57 STONE REQUIRED UNDER ALL PIPING.
PVC TRUSS	GASKETED WYE	IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS. MINIMUM 4" OF #57 STONE REQUIRED UNDER ALL PIPING.
PVC SDR 35	GASKETED WYE	IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS. MINIMUM 4" OF #57 STONE REQUIRED UNDER ALL PIPING.

PVC SANITARY SEWER SERVICE DETAIL FOR AREA WITH CURB AND GUTTER — S-1

RELATIONSHIP TO WATER MAINS AND STORM SEWERS

1. **HORIZONTAL AND VERTICAL SEPARATION**
   A. SEWERS SHALL BE LAID AT LEAST 10 FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED WATER MAIN. THE DISTANCE SHALL BE MEASURED EDGE TO EDGE. IN CASES WHERE IT IS NOT PRACTICAL TO MAINTAIN 10 FEET OF SEPARATION, DWQ MAY ALLOW DEVIATION ON A CASE-BY-CASE BASIS IF SUPPORTED BY DATA FROM THE DESIGN ENGINEER. SUCH DEVIATION MAY ALLOW INSTALLATION OF SEWER CLOSER TO A WATER MAIN PROVIDED THAT THE WATER MAIN IS IN A SEPARATE TRENCH OR ON AN UNDISTURBED EARTH SHELF LOCATED ON ONE SIDE OF THE SEWER AND AT AN ELEVATION SO THE BOTTOM OF THE WATER MAIN IS AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER.

   B. IF IT IS IMPOSSIBLE TO OBTAIN PROPER HORIZONTAL AND VERTICAL SEPARATION AS DESCRIBED ABOVE OR ANYTIME THE SEWER IS OVER THE WATER MAIN, BOTH THE WATER MAIN AND SEWER MUST BE CONSTRUCTED OF FERROUS PIPE COMPLYING WITH PUBLIC WATER SUPPLY DESIGN STANDARDS AND BE PRESSURE TESTED TO 150 PSI TO ASSURE WATER TIGHTNESS BEFORE BACKFILLING.

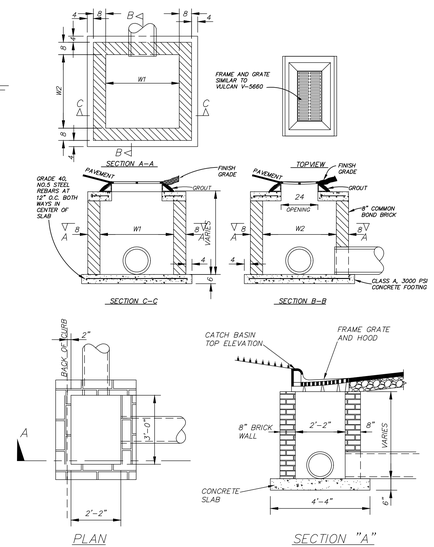
   C. A 24 INCH VERTICAL SEPARATION SHALL BE PROVIDED BETWEEN STORM SEWER AND SANITARY SEWER LINES OR FERROUS PIPE SPECIFIED.

2. **CROSSINGS**
   A. SEWERS CROSSING WATER MAINS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 18 INCHES BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF THE SEWER. THE CROSSING SHALL BE ARRANGED SO THAT THE SEWER JOINTS WILL BE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE WATER MAIN JOINTS.

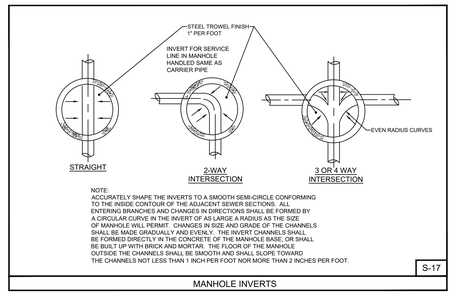
   B. WHEN IT IS IMPOSSIBLE TO OBTAIN PROPER HORIZONTAL AND VERTICAL SEPARATION AS DESCRIBED ABOVE, ONE OF THE FOLLOWING METHODS MUST BE SPECIFIED:

      1. THE SEWER SHALL BE DESIGNED AND CONSTRUCTED OF FERROUS PIPE AND SHALL BE PRESSURE TESTED AT 150 PSI TO ASSURE WATER TIGHTNESS BEFORE BACKFILLING, OR

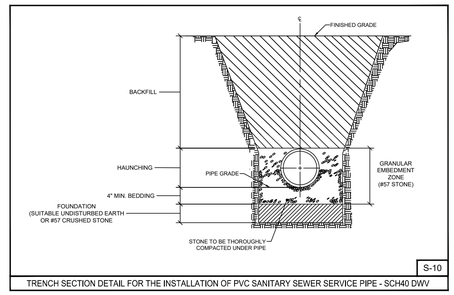
      2. EITHER THE WATER MAIN OR THE SEWER LINE MAY BE ENCASED IN A WATERTIGHT CARRIER PIPE WHICH EXTENDS 10 FEET ON BOTH SIDES OF THE CROSSING, MEASURED PERPENDICULAR TO THE WATER MAIN. THE CARRIER PIPE SHALL BE OF MATERIALS APPROVED BY THE REGULATORY AGENCY FOR USE IN WATER MAIN CONSTRUCTION.



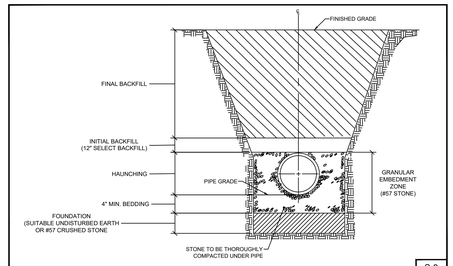
STANDARD DROP INLET DETAIL



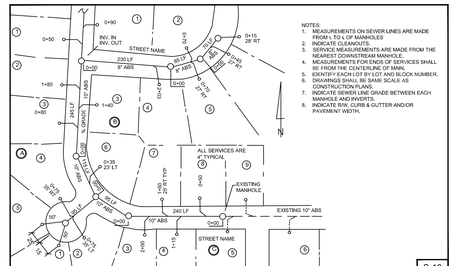
MANHOLE INVERTS — S-17



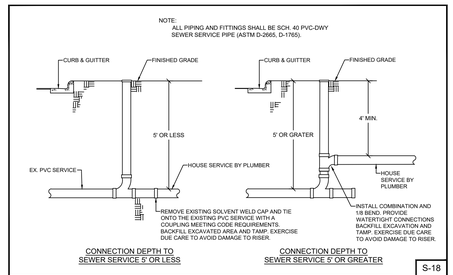
TRENCH SECTION DETAIL FOR THE INSTALLATION OF PVC SANITARY SEWER SERVICE PIPE - SCH40 DWV — S-10



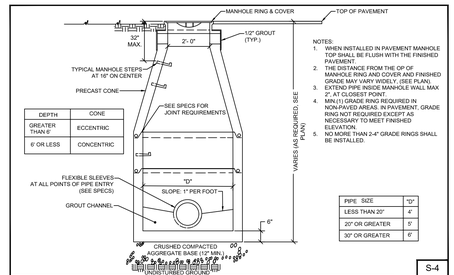
TRENCH SECTION DETAIL FOR THE INSTALLATION OF PVC SANITARY SEWER PIPE (NOT INCLUDING TRUSS) — S-9



TYPICAL SEWER SYSTEM "AS BUILT" — S-16



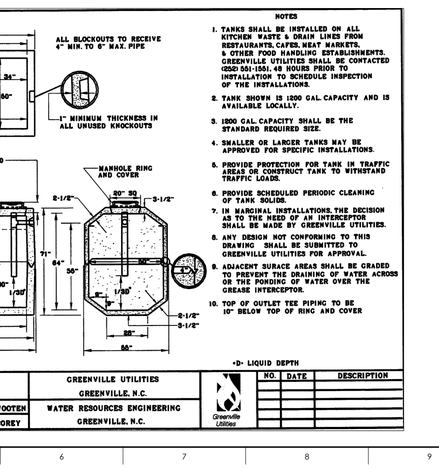
PVC SEWER SERVICE CONNECTION — S-18



DEPTH	CONE
GREATER THAN 6'	ECCENTRIC
6' OR LESS	CONCENTRIC

PIPE SIZE	"D"
LESS THAN 20"	4"
20" OR GREATER	5"
30" OR GREATER	6"

TYPICAL PRECAST MANHOLE FOR MANHOLES 12' OR LESS IN DEPTH — S-4



NOTE: POLYETHYLENE ENCASEMENT SHALL BE APPLIED TO ALL UNDERGROUND DUCTILE IRON PIPE AND FITTING INSTALLATIONS. MATERIAL AND INSTALLATION PROCEDURES SHALL BE IN ACCORDANCE WITH ANSI/AWWA C 105/A21.5-88

MATERIALS KEYING LEGEND

GENERAL NOTES

SCO ID #22-25191-01A

RAI Project 2023010 DWG W-4074

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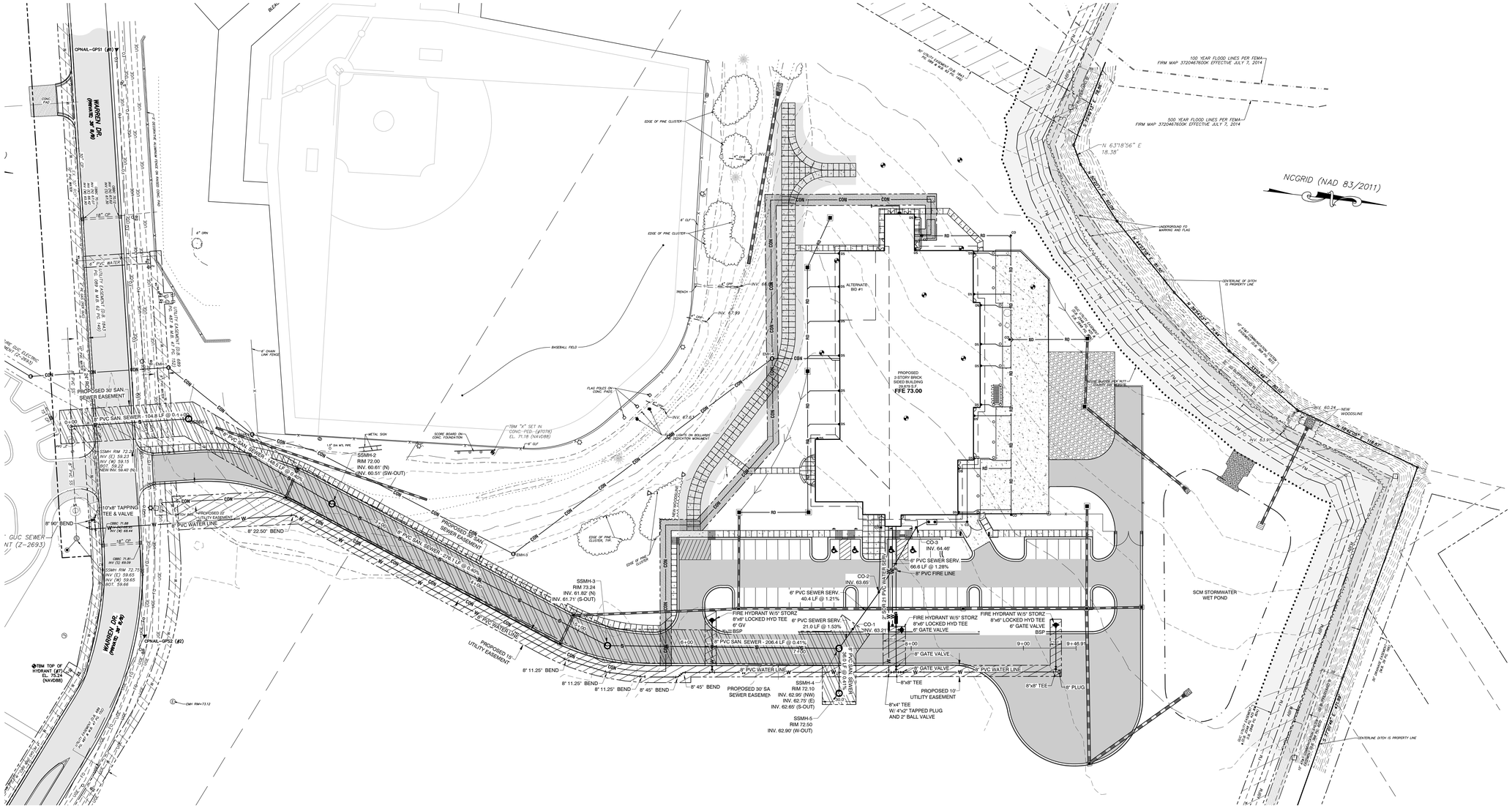
PITT COMMUNITY COLLEGE WELDING BUILDING

TOWN OF WINTERVILLE - PITT COUNTY - NC

DRAWING TITLE: SANITARY AND STORM SEWER DETAILS

SCALE	1" = 30'
DRAWN	NRW
CHECKED	JSJ
DATE	02/15/2024
PROJECT NO.	2022-07
DRAWING NO.	C7.2

P:\LANDREV\JKF PCC_WELDING_BLDG\2023010\CADD_DWG\SHEETS\W-4074 SANITARY DETAILS.DWG - LAYOUT1 - 2/16/2024 1:43:07 PM - RYAN WELLS



NOTE: LENGTH OF SANITARY SEWER PIPE IS FROM INSIDE EDGE TO INSIDE EDGE OF MANHOLE, AND NOT FROM CENTER TO CENTER OF MANHOLE.

CALL BEFORE YOU DIG! WWW.NC811.ORG N.C. ONE-CALL CENTER IT'S THE LAW!

HORZ. SCALE 1 inch = 40 ft
VERT. SCALE 1 inch = 4 ft

MATERIALS KEYING LEGEND

GENERAL NOTES

SCO ID #22-25191-01A

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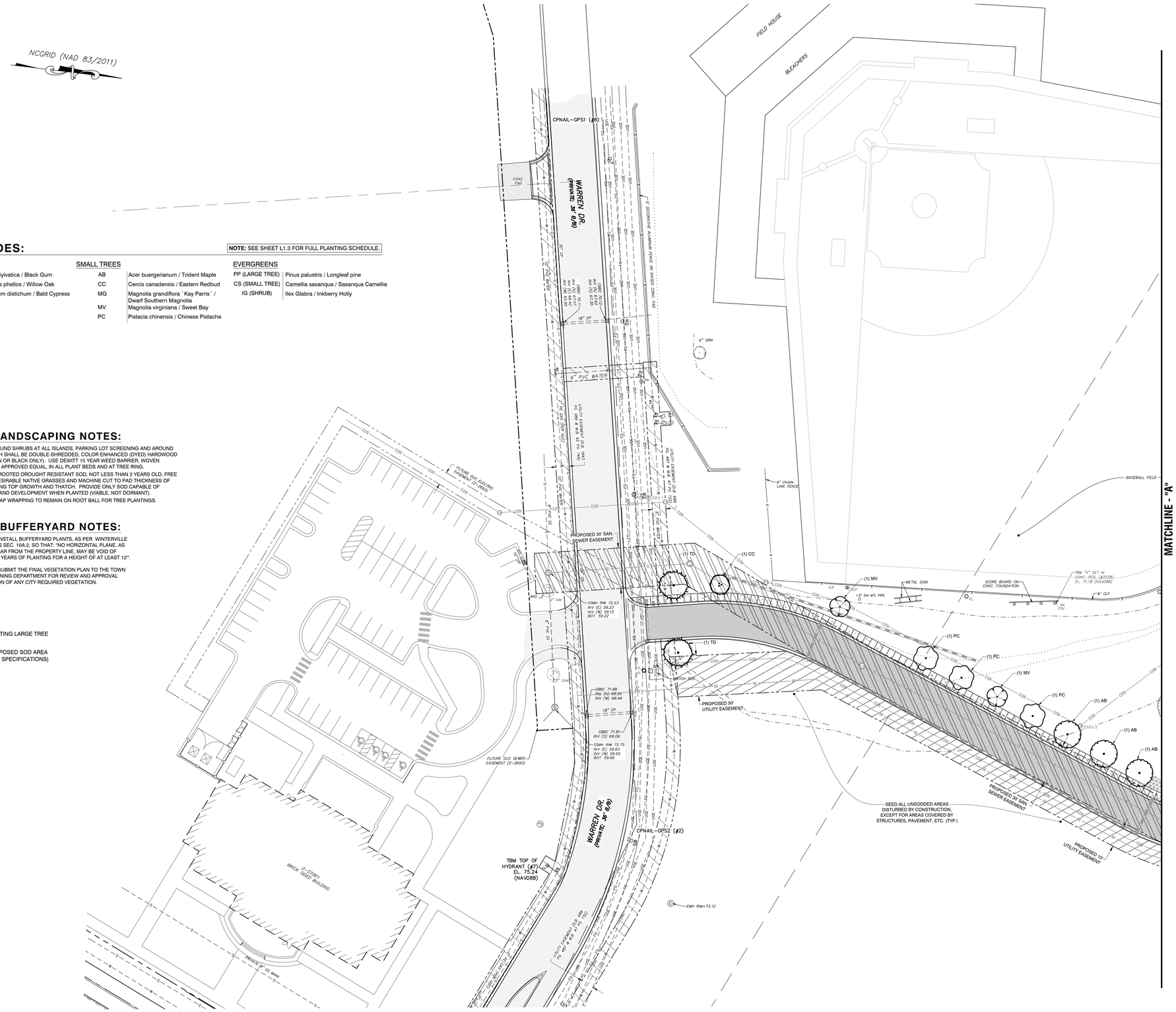
PITT COMMUNITY COLLEGE
WELDING BUILDING
TOWN OF WINTERVILLE - PITT COUNTY - NC

DRAWING TITLE
PLAN & PROFILE

SCALE	1" = 40'
DRAWN	NRW
CHECKED	JSJ
DATE	02/15/2024
PROJECT NO.	2022-07

DRAWING NO. C8.1

P:\LANDDEV\JKF PCC WELDING BLDG\ 20220107\CADD_DWG\SHEETS\W-4074 PLAN & PROFILE.DWG - LAYOUT1 - 2/19/2024 5:13:22 PM - RYAN WELLS



PLANT CODES:

NOTE: SEE SHEET L1.3 FOR FULL PLANTING SCHEDULE.

LARGE TREES		SMALL TREES		EVERGREENS	
NS	Nyssa Sylvatica / Black Gum	AB	Acer buergerianum / Trident Maple	PP (LARGE TREE)	Pinus palustris / Longleaf pine
QP	Quercus phellos / Willow Oak	CC	Cercis canadensis / Eastern Redbud	CS (SMALL TREE)	Camellia sasanqua / Sasanqua Camellia
TD	Taxodium distichum / Bald Cypress	MG	Magnolia grandiflora `Kay Parris` / Dwarf Southern Magnolia	IG (SHRUB)	Ilex Glabra / Inkberry Holly
		MV	Magnolia virginiana / Sweet Bay		
		PC	Pistacia chinensis / Chinese Pistache		

GENERAL LANDSCAPING NOTES:

1. PROVIDE MULCH AROUND SHRUBS AT ALL ISLANDS, PARKING LOT SCREENING AND AROUND PYLON SIGNS. MULCH SHALL BE DOUBLE-SHREDDED, COLOR ENHANCED (DYED) HARDWOOD BARK MULCH (BROWN OR BLACK ONLY). USE DEWITT 15 YEAR WEED BARRIER, WOVEN POLYPROPYLENE, OR APPROVED EQUAL, IN ALL PLANT BEDS AND AT TREE RING.
2. PROVIDE STRONGLY ROOTED DROUGHT RESISTANT SOD, NOT LESS THAN 2 YEARS OLD, FREE OF WEEDS AND UNDESIRABLE NATIVE GRASSES AND MACHINE CUT TO PAD THICKNESS OF 3/4" (+1/4"). EXCLUDING TOP GROWTH AND THATCH. PROVIDE ONLY SOD CAPABLE OF VIGOROUS GROWTH AND DEVELOPMENT WHEN PLANTED (VIABLE, NOT DORMANT).
3. BOTTOM 2/3 OF BURLAP WRAPPING TO REMAIN ON ROOT BALL FOR TREE PLANTINGS.

REQUIRED BUFFERYARD NOTES:

1. CONTRACTOR SHALL INSTALL BUFFERYARD PLANTS, AS PER WINTERVILLE CODE OF ORDINANCES SEC. 10A.2, SO THAT: "NO HORIZONTAL PLANE, AS VIEWED PERPENDICULAR FROM THE PROPERTY LINE, MAY BE VOID OF VEGETATION WITHIN 5 YEARS OF PLANTING FOR A HEIGHT OF AT LEAST 12'".
2. CONTRACTOR SHALL SUBMIT THE FINAL VEGETATION PLAN TO THE TOWN OF WINTERVILLE PLANNING DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION OF ANY CITY REQUIRED VEGETATION.

LEGEND:

EXISTING LARGE TREE

PROPOSED SOD AREA (SEE SPECIFICATIONS)

811 CALL BEFORE YOU DIG! WWW.NC811.ORG N.C. ONE-CALL CENTER IT'S THE LAW!

30' 0 15' 30'

SCALE 1 inch = **30** ft

MATERIALS KEYING LEGEND

GENERAL NOTES

SCO ID #22-25191-01A

RAI Project 2023010 DWG W-4074

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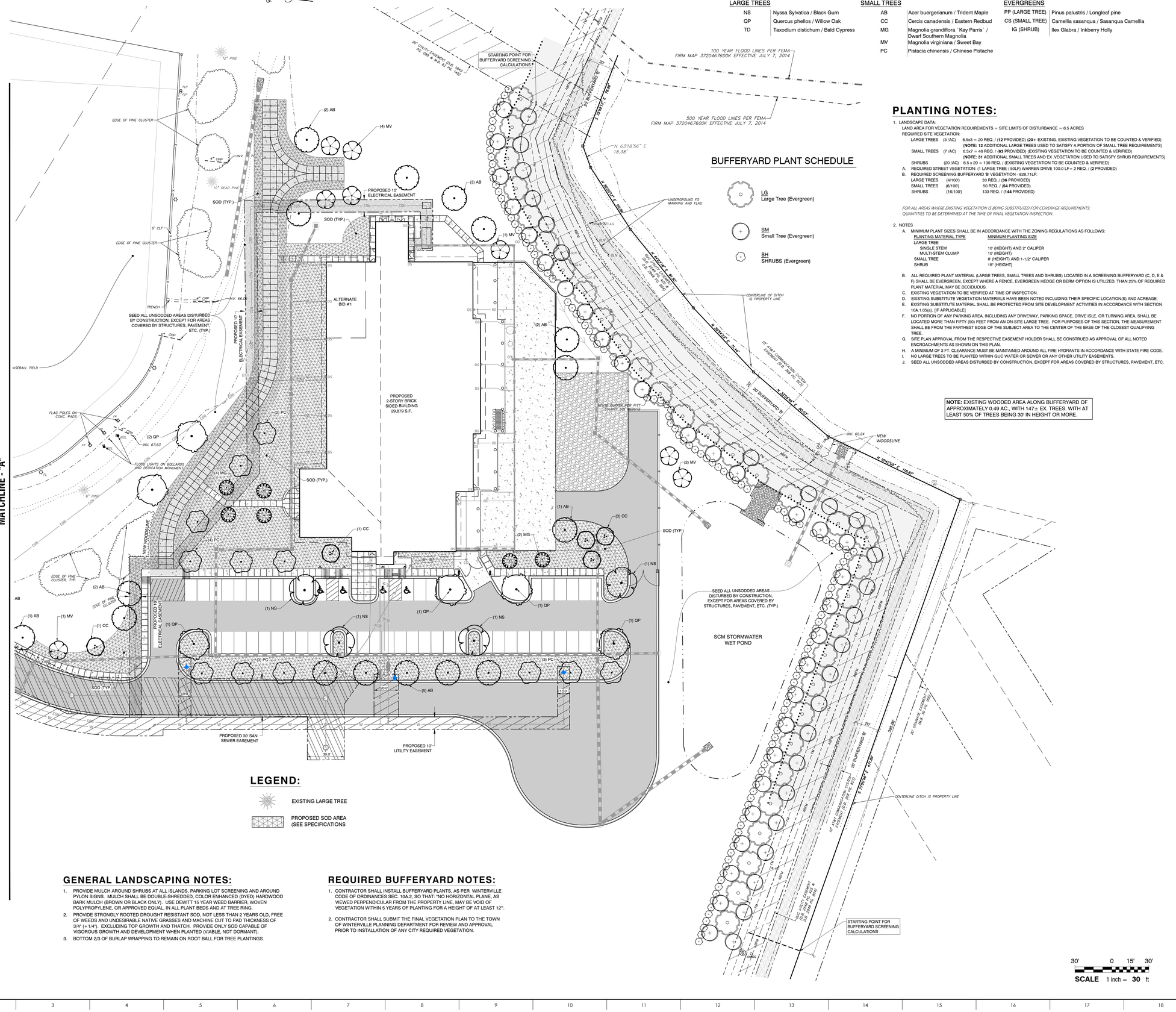
WELDING BUILDING
TOWN OF WINTERVILLE - PITT COUNTY - NC

DRAWING TITLE

LANDSCAPE PLAN-SOUTH

SCALE	1" = 30'
DRAWN	NRW
CHECKED	JSJ
DATE	02/15/2024
PROJECT NO.	2022-07
DRAWING NO.	L1.1

P:\LANDDEV\JKF-PCC_WELDING_BLDG-2023\01\DADD_DWG\SHEETS\W-4074 VEGETATION.DWG - LAYOUT1 - 2/16/2024 4:45:45 PM - RYAN WELLS



MATERIALS KEYING LEGEND

GENERAL NOTES

SCO ID #22-25191-01A

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JOHN K. FARKAS, JR. NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 02.22.24 LANDSCAPE ARCHITECT STEPHEN JAMES

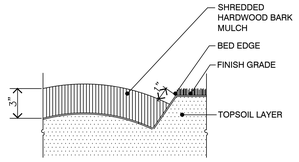
JKF ARCHITECTURE
425 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

PITT COMMUNITY COLLEGE
WELDING BUILDING
TOWN OF WINTERVILLE - PITT COUNTY - NC

DRAWING TITLE
LANDSCAPE PLAN-NORTH

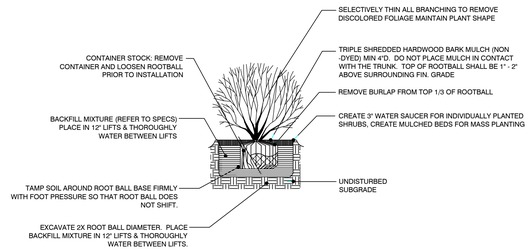
SCALE	1" = 30'
DRAWN	NRW
CHECKED	JSJ
DATE	02/15/2024
PROJECT NO.	2022-07
DRAWING NO	L1.2

P:\LANDDEV\JKF PCC_WELDING_BLDG-2023010\CADD_DWG\SHEETS\W-4074 VEGETATION.DWG - LAYOUT2 - 2/16/2024 4:45:45 PM - RYAN WELLS



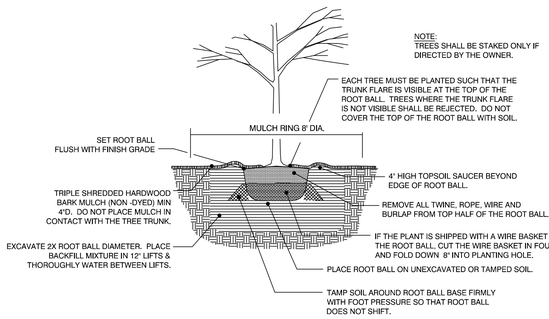
PLANTING BED EDGE

NTS



SHRUB PLANTING

NTS



TREE PLANTING

NTS

PLANT SCHEDULE

SYMBOL	CODE	BOTANICAL / COMMON NAME	CONTAINER	CALIPER	SIZE	
LARGE TREES						
	NS	Nyssa Sylvatica / Black Gum	B & B	3" CAL.	14` - 16` HT.	
	QP	Quercus phellos / Willow Oak	B & B	3" CAL.	14` - 16` HT.	
	TD	Taxodium distichum / Bald Cypress	B & B	3" CAL.	14` - 16` HT.	
SMALL TREES						
	AB	Acer buergerianum / Trident Maple	B & B	2" CAL.	8`-12` HT.	
	CC	Cercis canadensis / Eastern Redbud	B & B	2" CAL.	8`-12` HT.	
	MG	Magnolia grandiflora `Kay Parris` / Dwarf Southern Magnolia	B & B	2" CAL.	8`-12` HT.	
	MV	Magnolia virginiana / Sweet Bay	B & B	2" CAL.	8`-12` HT.	
	PC	Pistacia chinensis / Chinese Pistache	B & B	2" CAL.	8`-12` HT.	

PLANTING NOTES:

1. ALL PLANTINGS SHALL COMPLY WITH CURRENT LOCAL ORDINANCES AND GUIDELINES.
2. THIS PLAN IS FOR PLANTING LOCATIONS ONLY AND ALL PLANT MATERIAL SHALL BE SPACED AND LOCATED PER SCHEDULE. HOWEVER, CONTRACTOR TO SLIGHTLY ADJUST PLANT LOCATIONS IN THE FIELD AS NECESSARY TO BE CLEAR OF DRAINAGE SWALES AND UTILITIES. IF FOUND CONDITIONS VARY FROM THIS PLAN, CONTRACTOR SHALL CONTACT OWNER AND LANDSCAPE ARCHITECT FOR RESOLUTION. FAILURE TO DO SO WILL RESULT IN CONTRACTOR'S LIABILITY TO REPLACE PLANT MATERIALS.
3. REFER TO PLANTING DETAILS FOR ADDITIONAL PLANTING INFORMATION.
4. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL PLANT WATERING AND MAINTENANCE, INCLUDING SHRUBS AND GROUNDCOVER, AND SHALL MAINTAIN AREA IN A WEED AND DEBRIS FREE CONDITION, THROUGHOUT GUARANTEE PERIOD.
5. CONTRACTOR TO VERIFY PLANT LIST TOTALS WITH QUANTITIES SHOWN ON PLAN.
6. ALL SIZES SPECIFIED IN THE PLANT LIST ARE MINIMUM SIZES TO WHICH THE PLANTS ARE TO BE JUDGED. FAILURE TO MEET MINIMUM SIZE ON ANY PLANT WILL RESULT IN REJECTION OF THAT PLANT.
7. PLANTING SIZE DETERMINATION:
   7.1. TREES: HEIGHT SHALL BE MEASURED FROM THE CROWN OF THE ROOT BALL TO THE TOP OF MATURE GROWTH. SPREAD SHALL BE MEASURED TO THE END OF BRANCHING EQUALLY AROUND THE CROWN FROM THE CENTER OF THE TRUNK. MEASUREMENTS ARE NOT TO INCLUDE ANY TERMINAL GROWTH. SINGLE TRUNK TREES SHALL BE FREE OF "V" CROTCHES THAT COULD BE POINTS OF WEAK LIMB STRUCTURE OR DISEASE INFESTATION.
   7.2. ALL PLANTS SHALL BE FRESHLY DUG OR IN GROW POTS, SOUND, HEALTHY, VIGOROUS, WELL BRANCHED, FREE OF DISEASE, INSECT EGGS, AND LARVAE, AND SHALL BE WELL ROOTED.
8. FINISHED PLANTING BEDS SHALL BE GRADED SO AS TO NOT IMPEDE DRAINAGE AWAY FROM BUILDINGS. IF SIGNIFICANT RELOCATIONS ARE REQUIRED, CONTRACTOR SHALL CONTACT LANDSCAPE ARCHITECT FOR RESOLUTION. FAILURE TO MAKE SUCH RELOCATIONS KNOWN TO THE OWNER AND LANDSCAPE ARCHITECT WILL RESULT IN CONTRACTOR'S LIABILITY FOR PLANT MATERIALS AND STORMWATER DAMAGE.
9. FIELD LOCATE AND VERIFY UNDERGROUND UTILITIES LOCATIONS PRIOR TO PLANTING. FINAL TREE LOCATIONS TO BE FIELD ADJUSTED TO AVOID CONFLICTS WITH UTILITIES, LIGHTING AND DRIVEWAY LOCATIONS WHERE POSSIBLE. CONTACT LANDSCAPE ARCHITECT FOR A COORDINATED SOLUTION FOR ANY UTILITY CONFLICTS. CONTRACTOR SHALL BE LIABLE FOR DAMAGE TO ANY AND ALL PUBLIC OR PRIVATE UTILITIES.
10. TREES SHALL BE STAKED WITH AN AT GRADE TREE STAKING SYSTEM. STAKING MUST BE REMOVED AS SOON AS POSSIBLE OR WITHIN ONE (1) YEAR OF PLANTING. MULCH SHALL BE APPLIED IN AN EVEN THREE INCH (3") TO TO FOUR INCH (4") LAYER AROUND THE TREE PIT IN ACCORDANCE WITH ACCEPTED PRACTICES IN THE LANDSCAPE INDUSTRY.
11. CONTRACTOR SHALL NOT PLACE MULCH IN CONTACT WITH THE TRUNKS OF TREES OR SHRUBS.
12. ALL TREE PITS, SHRUB BEDS AND PREPARED PLANTING BEDS ARE TO BE COMPLETELY EXCAVATED IN ACCORDANCE WITH THE PLANTING DETAILS.
13. THE ROOT CROWN SHALL BE TWO INCHES (2") TO FOUR INCHES (4") ABOVE FINISHED GRADE (AFTER SETTLING) FOR SHRUBS AND ONE QUARTER (¼) TO ONE HALF (½) THE BALL DEPTH ABOVE FINISH GRADE (AFTER SETTLING) FOR TREES.
14. ALL SUBSTITUTIONS OF PLANT MATERIAL ARE TO BE REQUESTED IN WRITING TO THE LANDSCAPE ARCHITECT AND APPROVED IN WRITING BY THE OWNER PRIOR TO INSTALLATION. FAILURE TO OBTAIN SUBSTITUTION APPROVAL IN WRITING MAY RESULT IN LIABILITY TO THE CONTRACTOR.
15. DEAD PLANTS ARE TO BE REMOVED FROM THE JOB BY THE CONTRACTOR WEEKLY. CONTRACTOR SHALL MAINTAIN AN UPDATED, COMPREHENSIVE LIST OF ALL DEAD MATERIALS REMOVED AND PRESENT A COPY OF THE LIST TO THE OWNER AND THE LANDSCAPE ARCHITECT AT THE END OF EVERY MONTH DURING THE CONTRACT PERIOD.
16. TOPSOIL REQUIRED FOR SOIL MIXES AND SPECIAL SEEDING AREAS SHALL BE PROVIDED BY THE CONTRACTOR. CONTRACTOR MUST LOAD, HAUL, MIX, AND SPREAD ALL TOPSOIL AND OTHER SOIL ADDITIVES AS REQUIRED.
17. THE PROPERTY OWNER AND/OR LESSEE SHALL, UPON COMPLETION OF THE GUARANTEE PERIOD AND FINAL ACCEPTANCE OF THE LANDSCAPE MATERIALS, MAINTAIN ALL LANDSCAPE MATERIALS AND LANDSCAPE AREAS IN ACCORDANCE WITH THE APPROVED LANDSCAPE PLAN. MAINTENANCE SHALL INCLUDE WATERING, WEEDING, MOWING, FERTILIZING, TREATING PESTS, MULCHING, PRUNING, REMOVAL AND REPLACEMENT OF DEAD OR DISEASED TREES AND SHRUBS. MAINTENANCE SHALL BE PERFORMED ON A REGULAR BASIS IN ORDER TO MAINTAIN PLANT VIGOR AND STABILITY AND TO PRESENT A NEAT AND WELL-KEPT APPEARANCE AT ALL TIMES.
18. CONTRACTOR SHALL GUARANTEE ALL LANDSCAPE IMPROVEMENTS, INCLUDING SEEDING, AS REQUIRED BY THE SPECIFICATIONS. CONTRACTOR MUST CONTACT THE OWNER AND THE LANDSCAPE ARCHITECT AT LEAST 10 WORKING DAYS IN ADVANCE TO SCHEDULE ACCEPTANCE INSPECTION(S). CONTRACTOR MUST REPLACE ALL DEAD OR UNACCEPTABLE PLANTS DURING THE FOLLOWING RECOMMENDED PLANTING SEASON.
19. ALL TREES AND SHRUBS SHALL MEET THE NORMAL REQUIREMENTS FOR THE AMERICAN STANDARD FOR NURSERY STOCK, LATEST EDITION, PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMAN (AAN) OR AMERICANHORT, ANSI Z60.1.
20. MULCH SHALL BE FREE OF DEBRIS AND WOOD CHIPS. IT SHALL CONSIST OF AGED TRIPLE-SHREDDED HARDWOOD MULCH, FREE OF EXCESS TANNIC ACID OR OTHER MULCH AS SPECIFIED ON THE PLANS. SAMPLES OF MULCH SHALL BE PROVIDED FOR THE THE LANDSCAPE ARCHITECT'S APPROVAL PRIOR TO DELIVERING THE MULCH. THE OWNER RESERVES THE RIGHT TO REJECT ANY MULCH WHICH IS CONSIDERED TO BE UNSUITABLE. ALL MULCHES SHALL BE FREE OF ANY FOREIGN MATERIALS, PIECES LARGER THAN 6 INCHES, AND/OR GREEN WOOD.
21. ALL STRAPPING AND TOP 2/3 OF WIRE BASKET MUST BE CUT AWAY AND REMOVED FROM ROOT BALL PRIOR TO BACKFILLING PLANTING PIT. REMOVE TOP 1/3 OF THE BURLAP FROM THE ROOT BALL. REMOVE ALL SYNTHETIC MATERIALS- BURLAP, STRAPPING CORDAGE, ETC. PRIOR TO BACKFILLING ALL PLANT MATERIALS.
22. NO PLANTING IDENTIFIED AS REACHING A MATURE HEIGHT OF MORE THAN TWENTY FEET (20') SHALL BE PLACED WITHIN A TRANSMISSION POWER LINE RIGHT-OF-WAY OR WITHIN TEN FEET (10') OF AN OVERHEAD UTILITY LINE.
23. TREES WHICH OVERHANG THE PEDESTRIAN CIRCULATION ROUTES AT THE STREETS, SIDEWALKS OR WITHIN OPEN SPACE AREAS SHALL NOT EXTEND GREATER THAN FOUR INCHES INTO THE CIRCULATION ROUTE AT A HEIGHT LESS THAN 80 INCHES ABOVE THE ADJACENT GRADE. ALL TREES SHALL BE LIMBED TO PROVIDE 80 INCHES OF CLEARANCE AT WALKWAYS TO MEET A.D.A AND ANSI Z60.1 REQUIREMENTS.
24. SEED ALL UNSODDED AREAS DISTURBED BY CONSTRUCTION, EXCEPT FOR AREAS COVERED BY STRUCTURES, PAVEMENT, ETC.

MATERIALS KEYING LEGEND

GENERAL NOTES

SCO ID #22-25191-01A

RAI Project 2023010 DWG W-4074

NC License: F-0334
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NO	REVISION	DATE

SEAL

JKF ARCHITECTURE
425 LYNNDALE CT, SUITE F, GREENVILLE, NC 27858 252-355-1068

PITT COMMUNITY COLLEGE
WELDING BUILDING
TOWN OF WINTERVILLE - PITT COUNTY - NC

DRAWING TITLE
LANDSCAPE DETAILS, NOTES, & SCHEDULE

SCALE: 1" = 30'	DRAWING NO: L1.3
DRAWN: NRW	
CHECKED: JSJ	
DATE: 02/15/2024	
PROJECT NO.: 2022-07	

P:\LANDDEV\JKF PCC_WELDING_BLDG-2023010\CADD_DWG\SHEETS\W-4074 VEGETATION DETAILS.DWG - LAYOUT1 - 2/16/2024 1:43:13 PM - RYAN WELLS

MATERIALS KEYING LEGEND

GENERAL NOTES

KEY PLAN

SCO ID #22-25191-01A; NCCCS #2675

NO	REVISION	DATE

SEAL

JOHN K. FARKAS REGISTERED ARCHITECT 3/19/2024 SEALED

JKF ARCHITECTURE

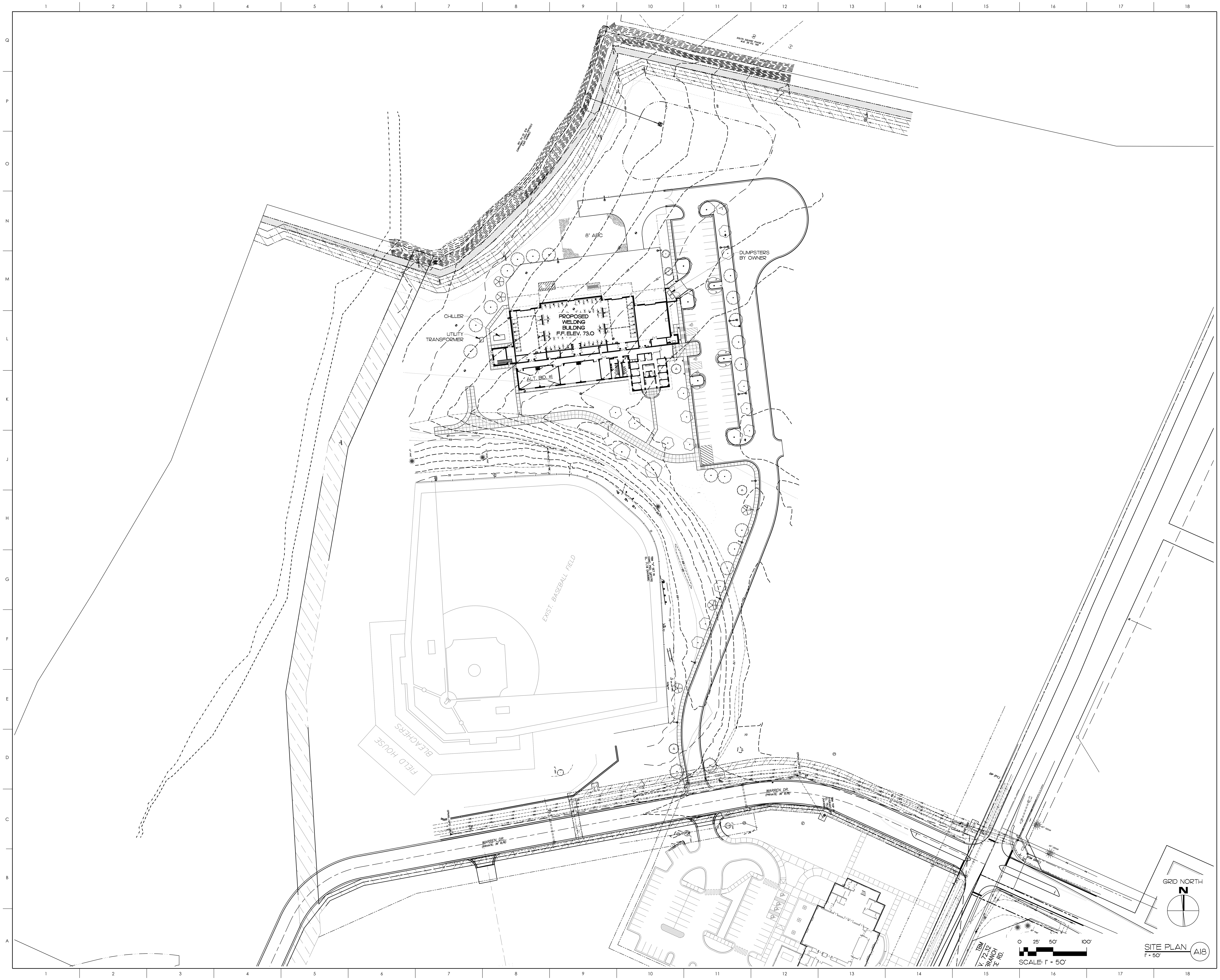
425 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

PITT COMMUNITY COLLEGE
NEW WELDING & WORKFORCE DEVELOPMENT BUILDINGS
WINTERVILLE, NC

DRAWING TITLE

OVERALL CAMPUS PLAN

SCALE: 1" = 200'	DRAWING NO. ASP0.0
DRAWN: MCZ	
CHECKED: JKF	
DATE: 2-15-2024	
PROJECT NO.: 2022-07	



MATERIALS KEYING LEGEND

GENERAL NOTES

KEY PLAN

SCO ID #22-25191-01A; NCCCS #2675

NO	REVISION	DATE

SEAL

JOHN K. FARKAS
REGISTERED ARCHITECT
3/10/2024
5922
GREENVILLE, N.C.

JKF
ARCHITECTURE

625 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

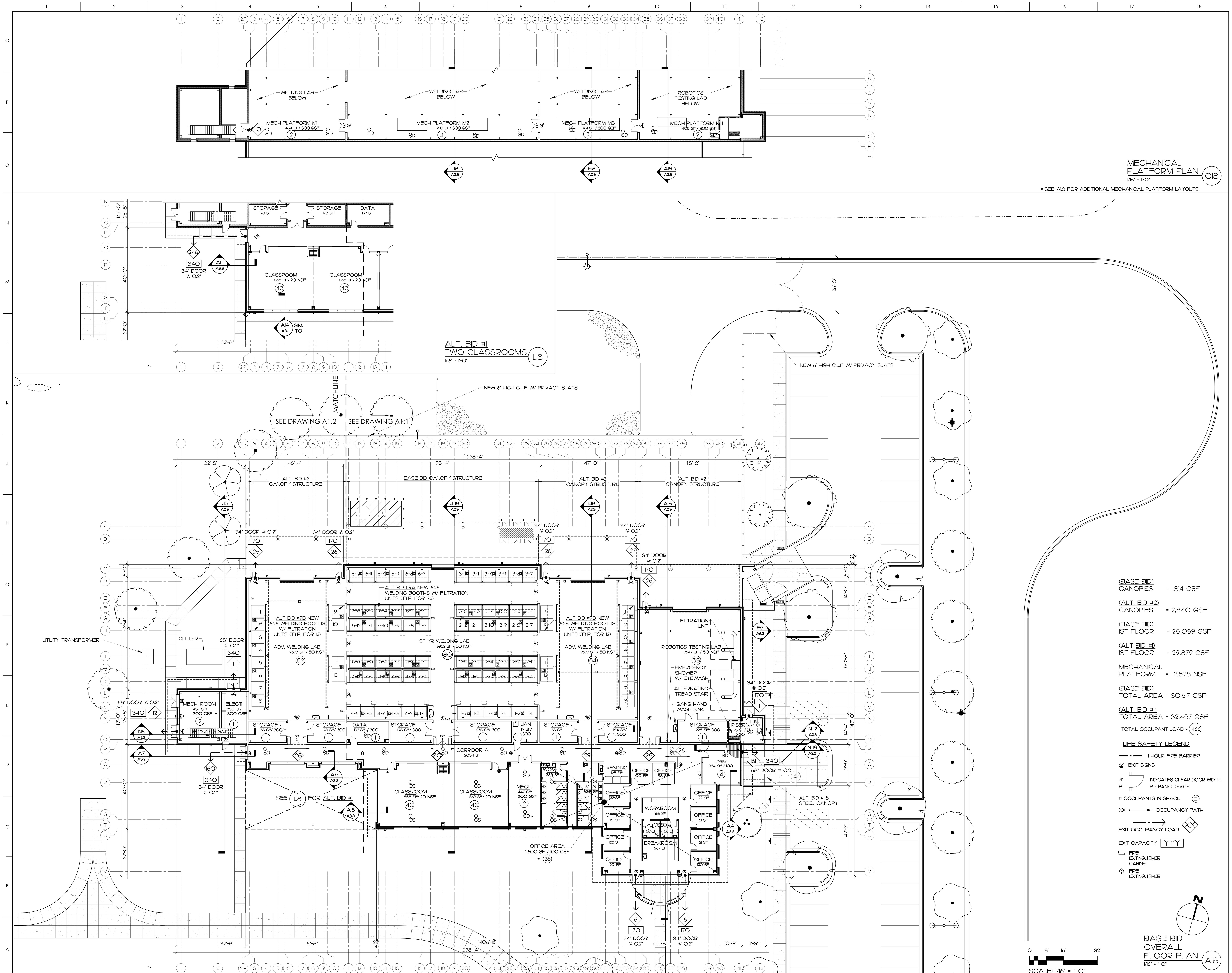
PITT COMMUNITY COLLEGE
NEW WELDING BUILDING

WINTERVILLE, NC

DRAWING TITLE

SITE PLAN

SCALE 1" = 50'	DRAWING NO ASP1.0
DRAWN MCZ	
CHECKED JKF	
DATE 2-15-2024	
PROJECT NO. 2022-07	



MATERIALS KEYING LEGEND

GENERAL NOTES

(C) CAMERA (2 WIRE)

KEY PLAN

SCO ID #22-25191-01A; NCCCS #2675

NO	REVISION	DATE

JOHN K. FARKAS, REGISTERED ARCHITECT, 3/10/2024

JKF ARCHITECTURE

625 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

PITT COMMUNITY COLLEGE
NEW WELDING BUILDING

WINTERVILLE, NC

DRAWING TITLE
OVERALL FIRST FLOOR PLAN,
ALT. BID #1 PARTIAL FLOOR PLAN,
MECHANICAL PLATFORM PLAN

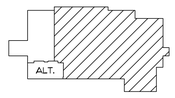
SCALE	1/16" = 1'-0"
DRAWN	BTP
CHECKED	JKF
DATE	2-15-2024
PROJECT NO.	2022-07
DRAWING NO.	A1.0

MATERIALS KEYING LEGEND

101 100.E - GLASS MARKER BOARD
102239.B - OPERABLE PARTITION, ELECTRIC
104413.A - SEMI-RECESSED FIRE EXTINGUISHER CABINET
104416.A - FIRE EXTINGUISHER
105300.C - ALUMINUM CANOPY ASSEMBLY
CR CARD READER
M DOOR MONITOR
QUAD, 120V
AUTOMATIC DOOR ACTUATOR (WIRED)
D DIGITAL DISPLAY
SECURITY BUTTON

GENERAL NOTES

KEY PLAN



SCO ID #22-25191-01A; NCCCS #2675

NO	REVISION	DATE

SEAL
JOHN K. FARKAS REGISTERED ARCHITECT 3/10/2023 GREENVILLE, N.C.

JKF ARCHITECTURE

825 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

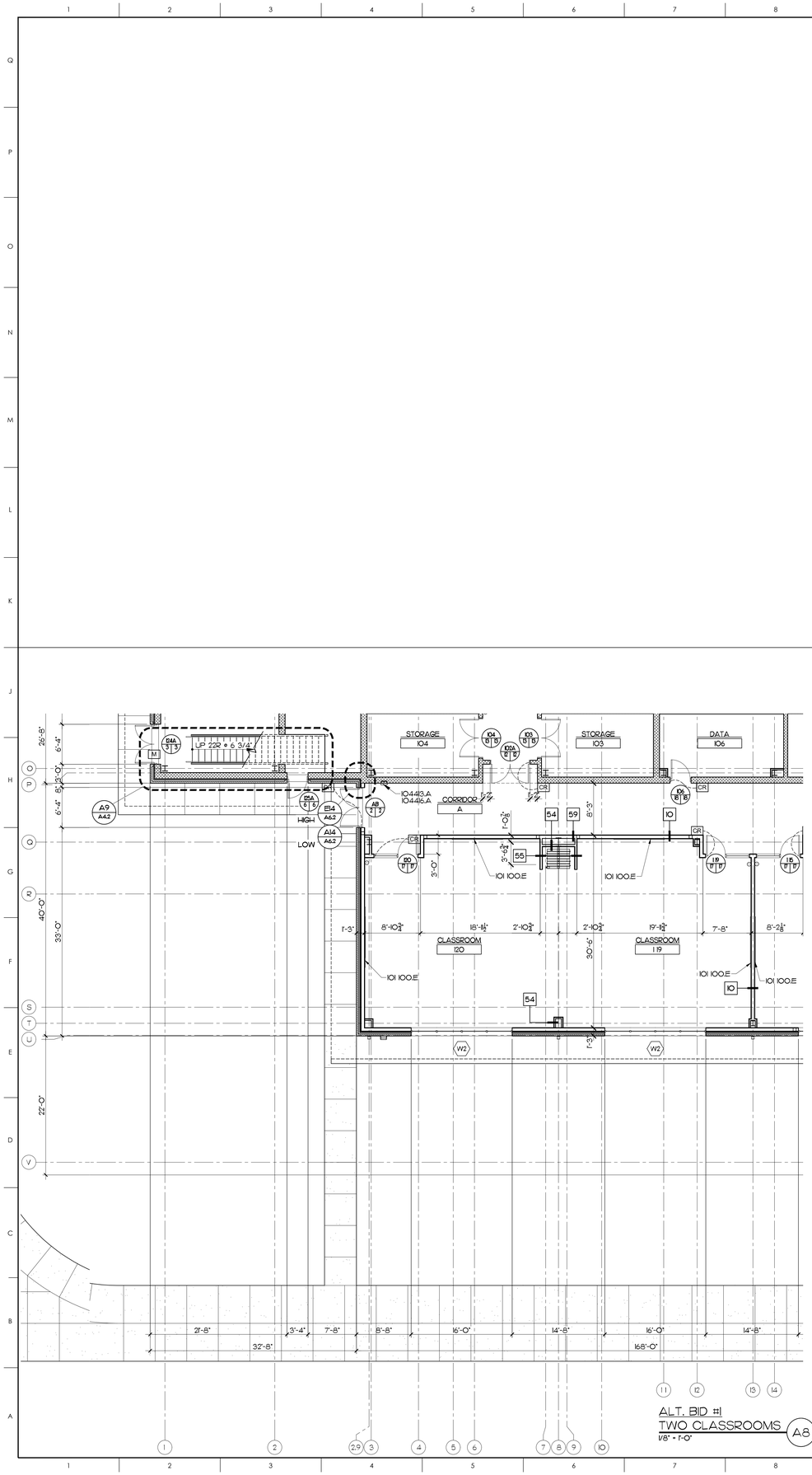
PITT COMMUNITY COLLEGE
NEW WELDING BUILDING
WINTERVILLE, NC

DRAWING TITLE
PARTIAL FLOOR PLAN

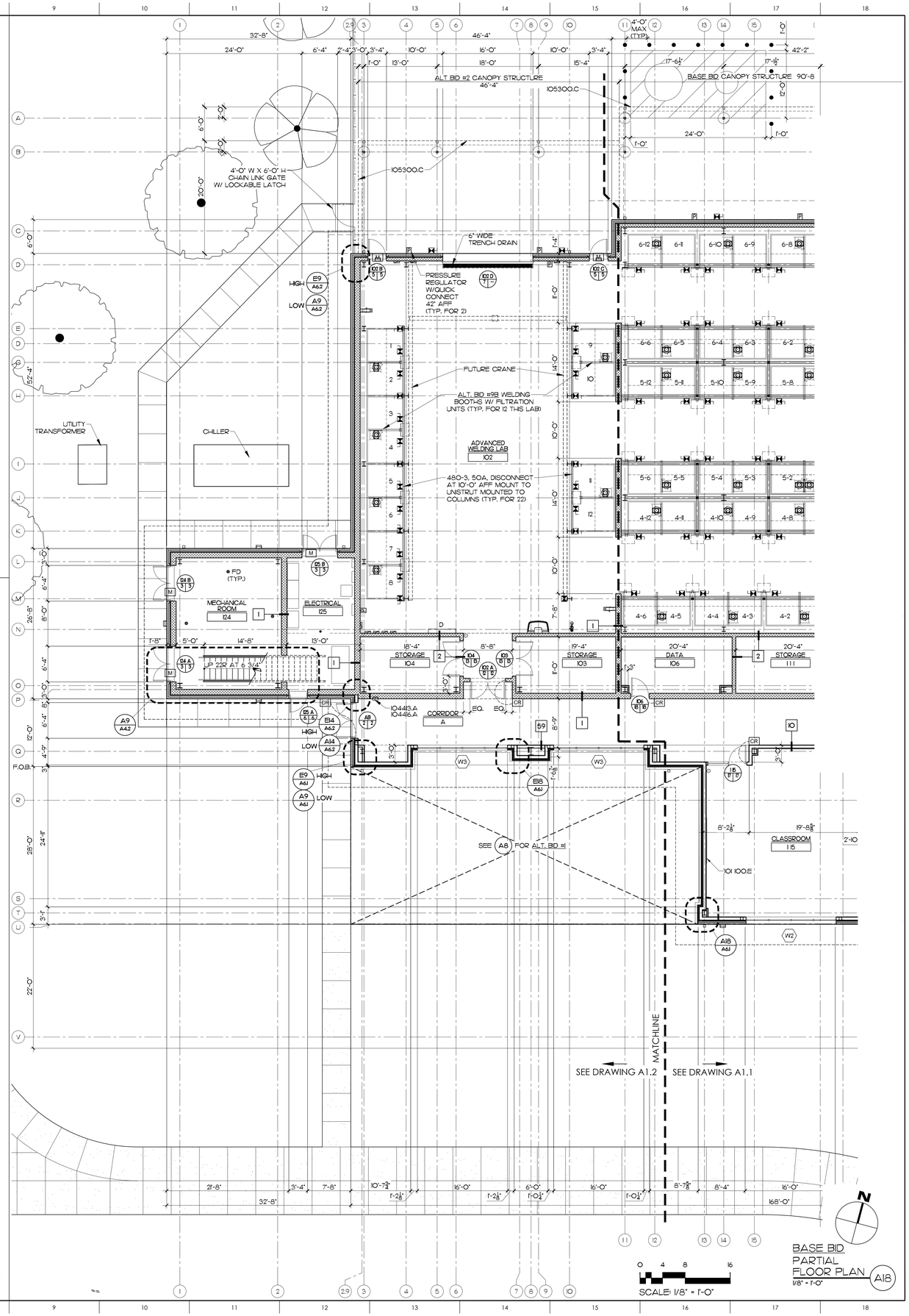
SCALE: 1/8" = 1'-0"	DRAWING NO: A1.1
DRAWN: BTP	
CHECKED: JKF	
DATE: 2-15-2023	
PROJECT NO.: 2022-07	

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

SCALE: 1/8" = 1'-0"



ALT. BID #1
TWO CLASSROOMS A8
1/8" = 1'-0"



BASE BID
PARTIAL
FLOOR PLAN A1.8
1/8" = 1'-0"

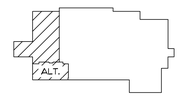
SCALE: 1/8" = 1'-0"

MATERIALS KEYING LEGEND

101 100.E	-	GLASS MARKER BOARD
105300.C	-	ALUMINUM CANOPY ASSEMBLY
104413.A	-	SEMI-RECESSED FIRE EXTINGUISHER CABINET
104416.A	-	FIRE EXTINGUISHER

GENERAL NOTES

KEY PLAN



SCO ID #22-25191-01A; NCCCS #2675

NO	REVISION	DATE

SEAL

JOHN K. FARKAS
REGISTERED ARCHITECT
3/10/2024
5922
NORTH CAROLINA

JKF ARCHITECTURE

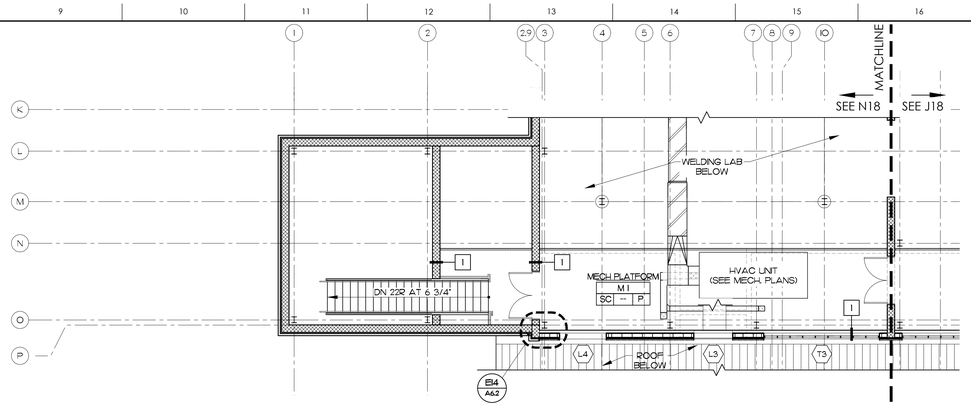
625 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

PITT COMMUNITY COLLEGE
NEW WELDING BUILDING
WINTERVILLE, NC

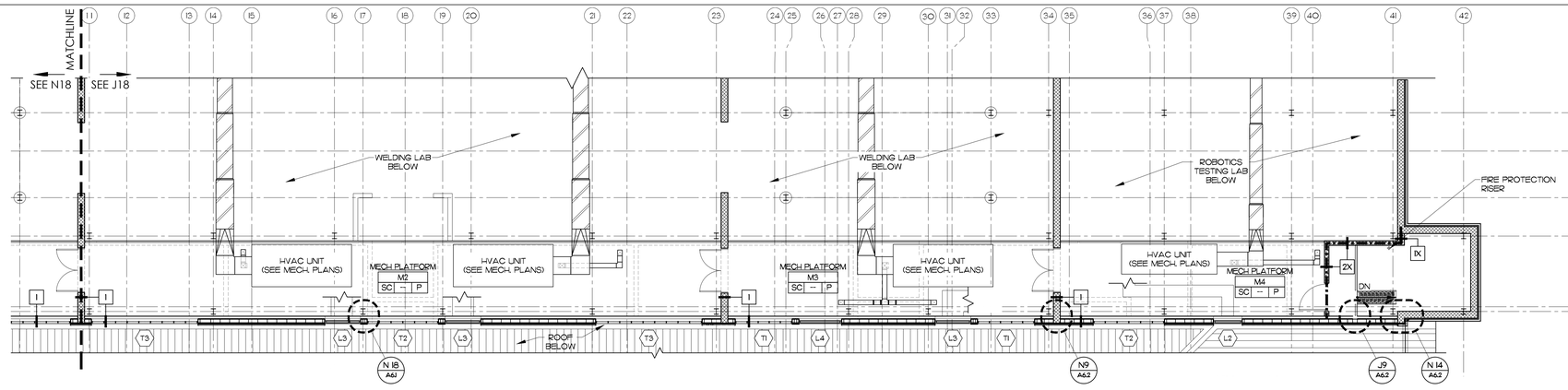
DRAWING TITLE
BASE BID - PARTIAL FLOOR PLAN
ALT. BID #1 - PARTIAL FLOOR PLAN

SCALE	1/8" = 1'-0"
DRAWN	BTP
CHECKED	JKF
DATE	2-15-2024
PROJECT NO.	2022-07

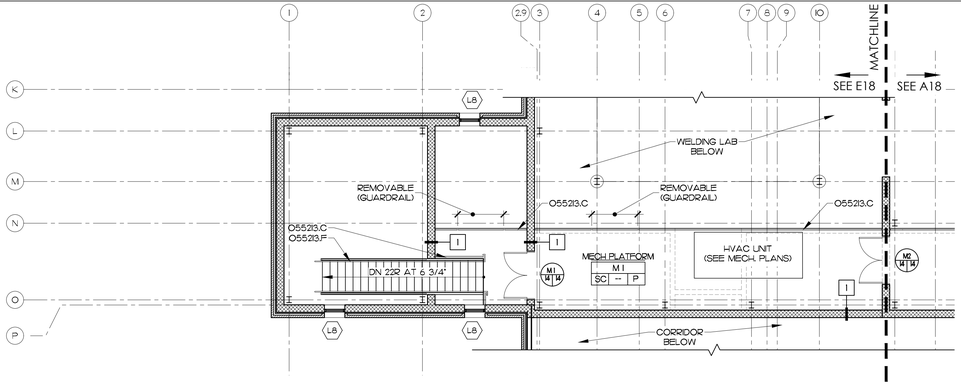
DRAWING NO. A1.2



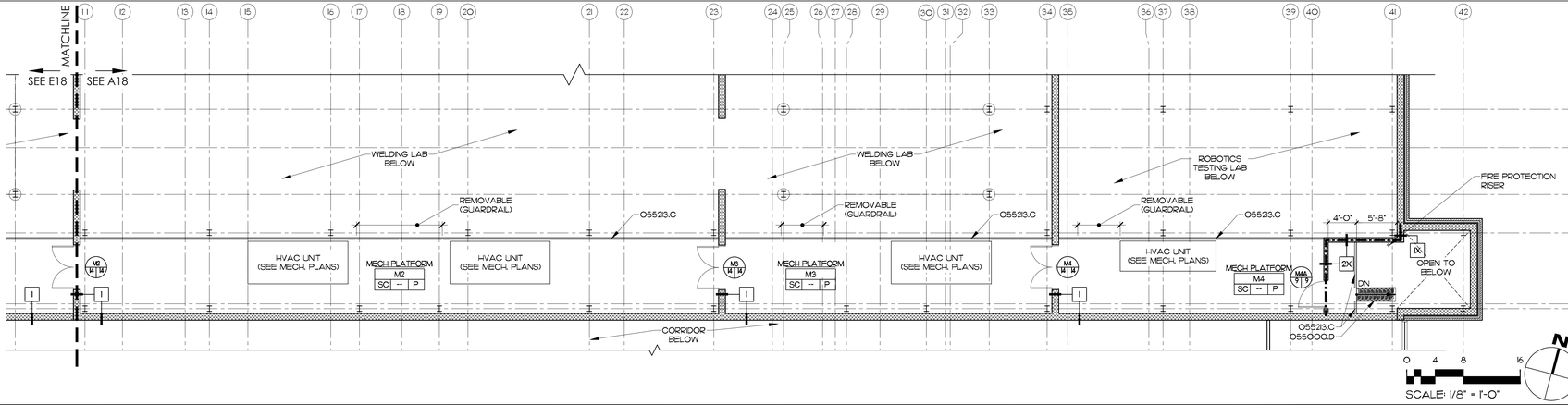
PARTIAL MECHANICAL PLATFORM PLAN (HIGH) — N18
1/8" = 1'-0"



PARTIAL MECHANICAL PLATFORM PLAN (HIGH) — J18
1/8" = 1'-0"



PARTIAL MECHANICAL PLATFORM PLAN (LOW) — E18
1/8" = 1'-0"



PARTIAL MECHANICAL PLATFORM PLAN (LOW) — A18
1/8" = 1'-0"

SCALE: 1/8" = 1'-0"

MATERIALS KEYING LEGEND

O55000.D	- ALTERNATING TREAD STAIR ASSEMBLY
O55213.C	- STEEL GUARDRAIL ASSEMBLY, 42" HIGH, PAINTED
O55213.F	- STEEL HANDRAIL ASSEMBLY, 34" HIGH, PAINTED

GENERAL NOTES

KEY PLAN

SCO ID #22-25191-01A; NCCCS #2675

NO	REVISION	DATE

SEAL

JOHN K. FARKAS — REGISTERED ARCHITECT — 5922 — 3/10/2024 — NORTH CAROLINA — GREENVILLE

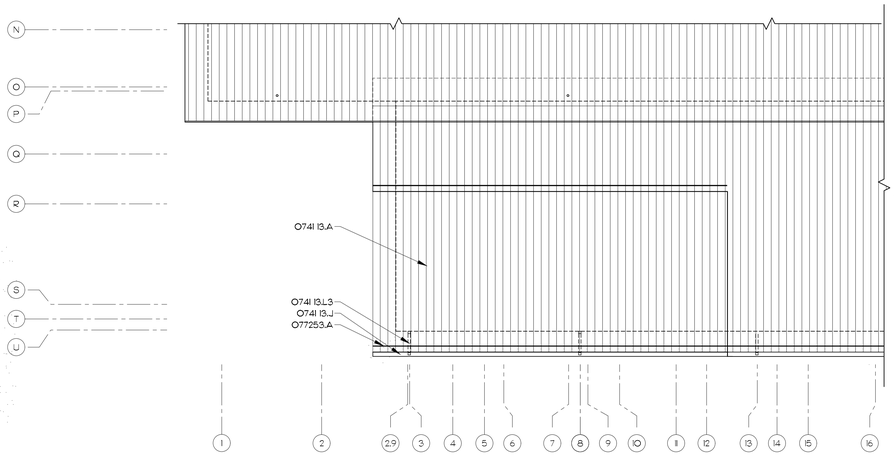
JKF ARCHITECTURE

625 LYNNDALE CT, SUITE F, GREENVILLE, NC 27858 252-355-1068

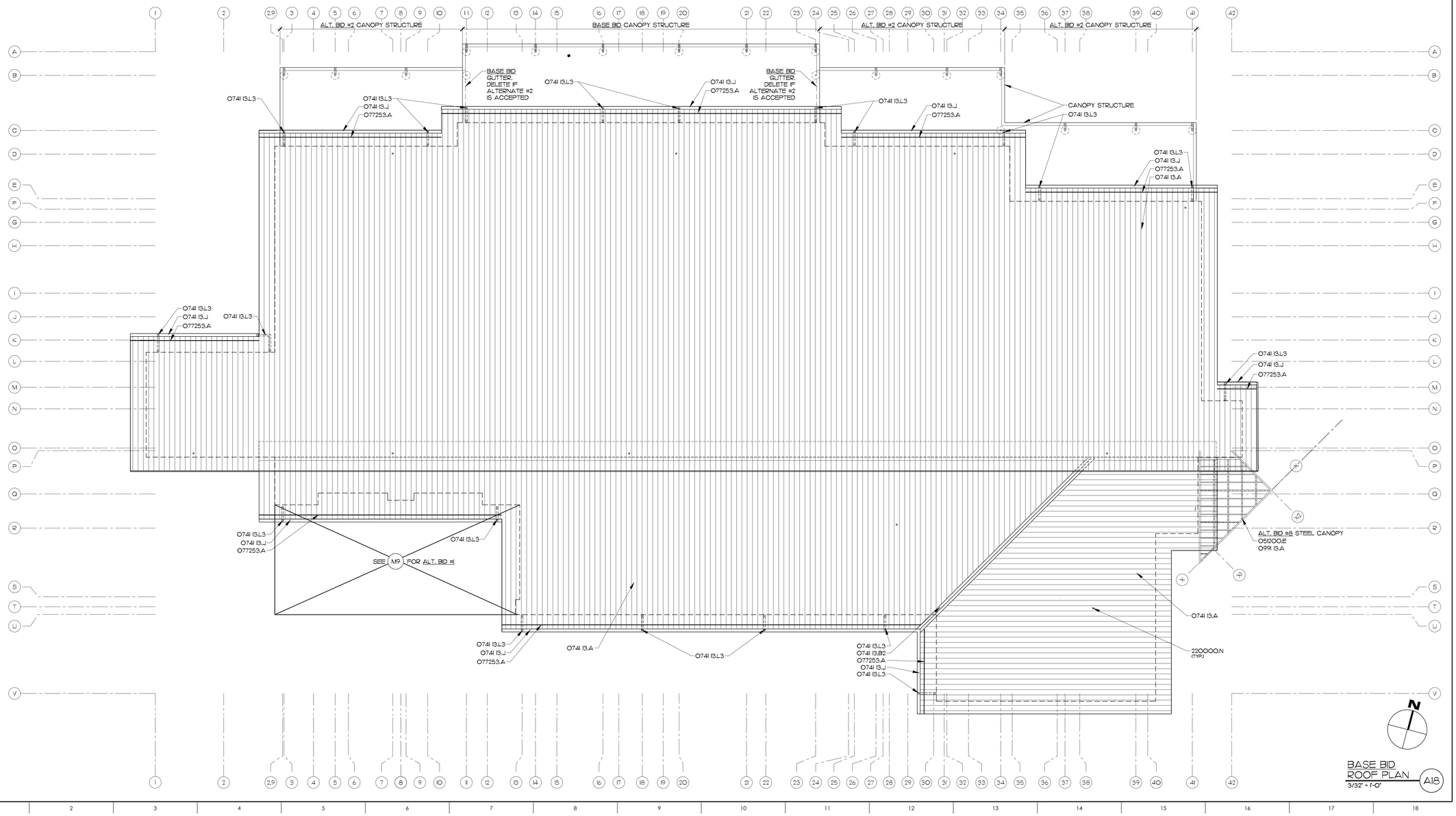
PITT COMMUNITY COLLEGE
NEW WELDING BUILDING
WINTERVILLE, NC

DRAWING TITLE: MECHANICAL PLATFORM PLANS

SCALE	1/8" = 1'-0"
DRAWN	MBD
CHECKED	JKF
DATE	2-15-2024
PROJECT NO.	2022-07
DRAWING NO.	A1.3



ALT. BID #1 PARTIAL ROOF PLAN
3/32" = 1'-0"
M9



BASE BID ROOF PLAN
3/32" = 1'-0"
A1.8

MATERIALS KEYING LEGEND

051200.E	-	STEEL CANOPY ASSEMBLY
0741 13.A	-	METAL ROOF, STANDING SEAM SYSTEM
0741 13.B2	-	METAL ROOF, STANDING SEAM, VALLEY FLASHING
0741 13.J	-	METAL GUTTER
0741 13.L3	-	METAL DOWNSPOUT, 5X5
077253.A	-	SNOW GUARD
0991 13.A	-	PAINT FINISH, EXTERIOR SYSTEM
220000.N	-	PIPE VENT

GENERAL NOTES

KEY PLAN

SCO ID #22-25191-01A; NCCCS #2675

NO	REVISION	DATE

SEAL
JOHN K. FARKAS
REGISTERED ARCHITECT
3/10/2024
5992
GREENVILLE, N.C.

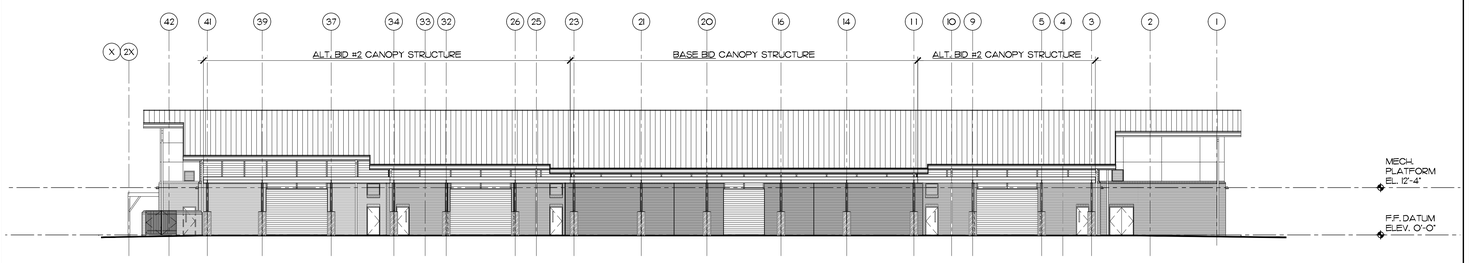
JKF ARCHITECTURE

625 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1048

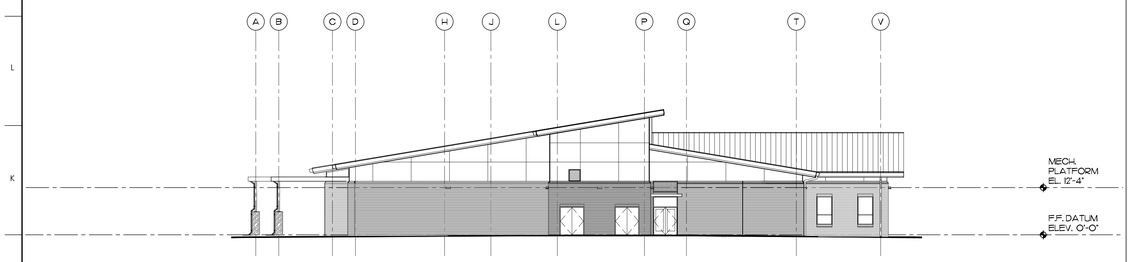
PITT COMMUNITY COLLEGE
NEW WELDING BUILDING
WINTERVILLE, NC

DRAWING TITLE
BASE BID - ROOF PLAN
ALT. BID #1 - PARTIAL ROOF PLAN

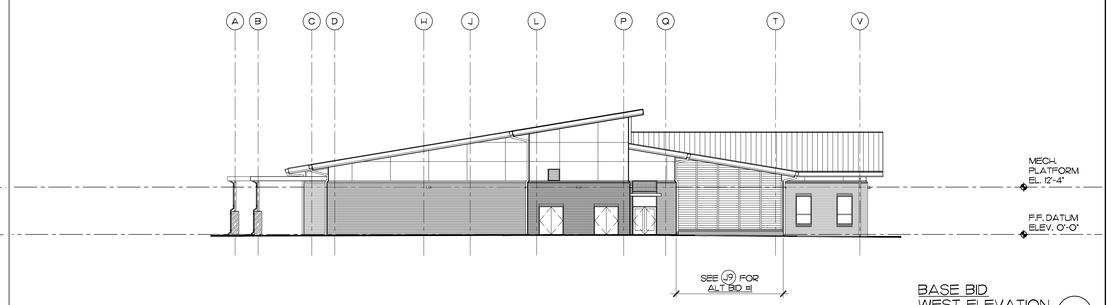
SCALE	3/32" = 1'-0"
DRAWN	MBD
CHECKED	JKF
DATE	2-15-2024
PROJECT NO.	2022-07
DRAWING NO.	A1.4



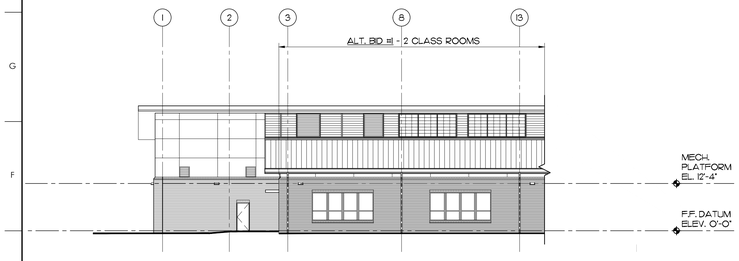
NORTH ELEVATION — N18
1/16" = 1'-0"



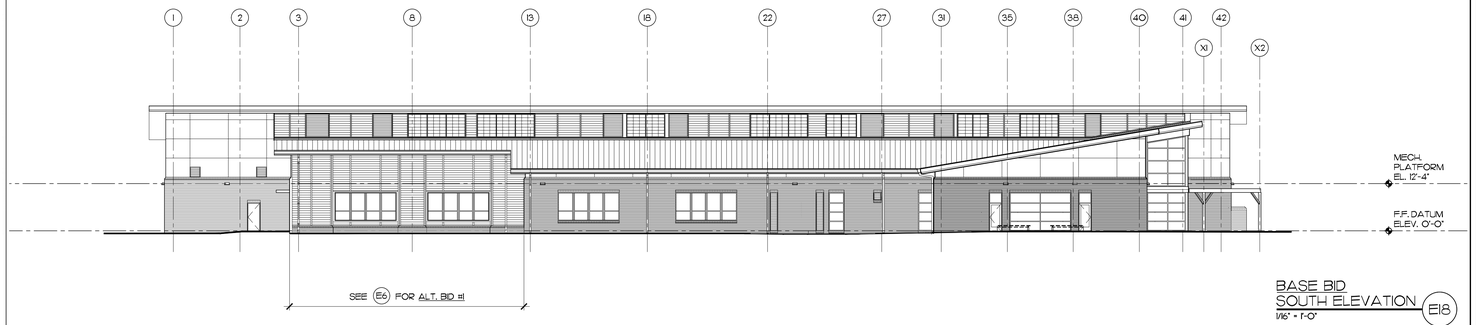
ALT. BID #1 WEST ELEVATION — J9
1/16" = 1'-0"



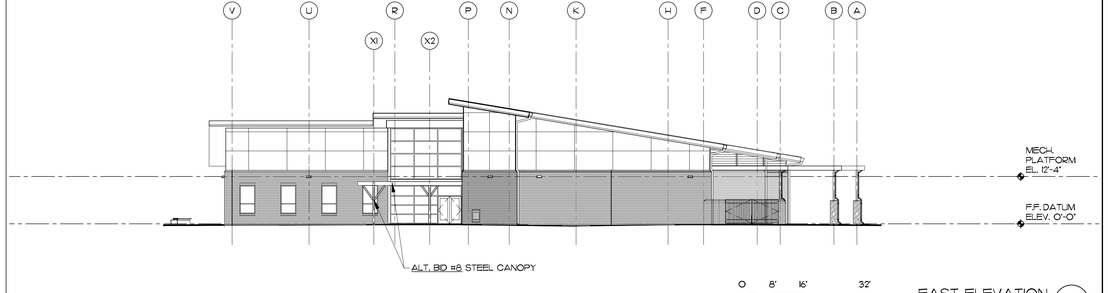
BASE BID WEST ELEVATION — J18
1/16" = 1'-0"



ALT. BID #1 PARTIAL SOUTH ELEVATION — E6
1/16" = 1'-0"



BASE BID SOUTH ELEVATION — E18
1/16" = 1'-0"



0 8' 16' 32'
SCALE: 1/16" = 1'-0"

EAST ELEVATION — A18
1/16" = 1'-0"

MATERIALS KEYING LEGEND

GENERAL NOTES

KEY PLAN

SCO ID #22-25191-01A; NCCCS #2675

NO	REVISION	DATE

SEAL

JOHN K. FARKAS — REGISTERED ARCHITECT — 3/10/2024 — GREENVILLE, N.C.

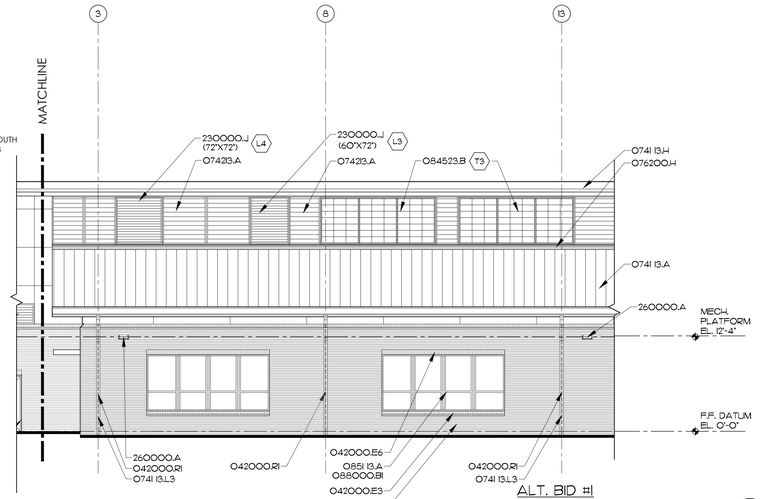
JKF ARCHITECTURE

625 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

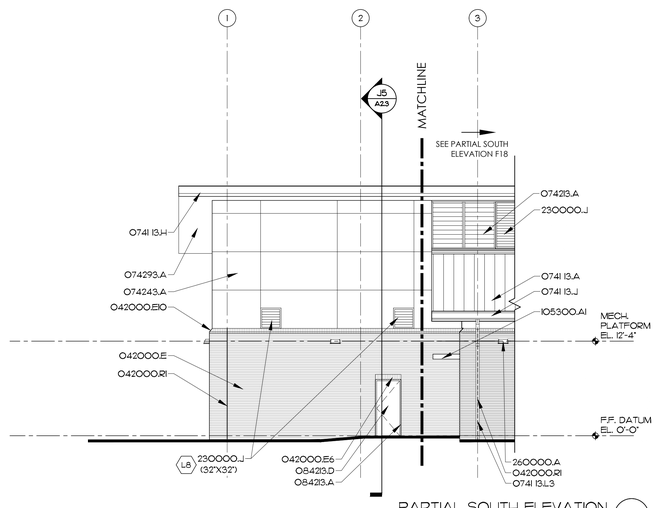
PITT COMMUNITY COLLEGE
NEW WELDING BUILDING
WINTERVILLE, NC

DRAWING TITLE
OVERALL EXTERIOR ELEVATIONS

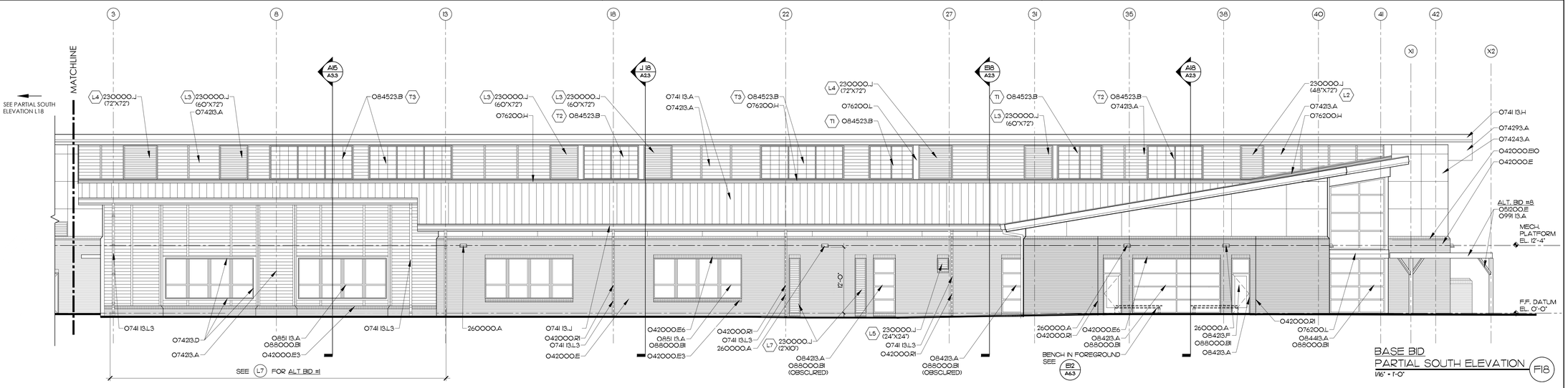
SCALE: 1/16" = 1'-0"	DRAWING NO: A2.0
DRAWN: MCZ	
CHECKED: JKF	
DATE: 2-15-2024	
PROJECT NO.: 2022-07	



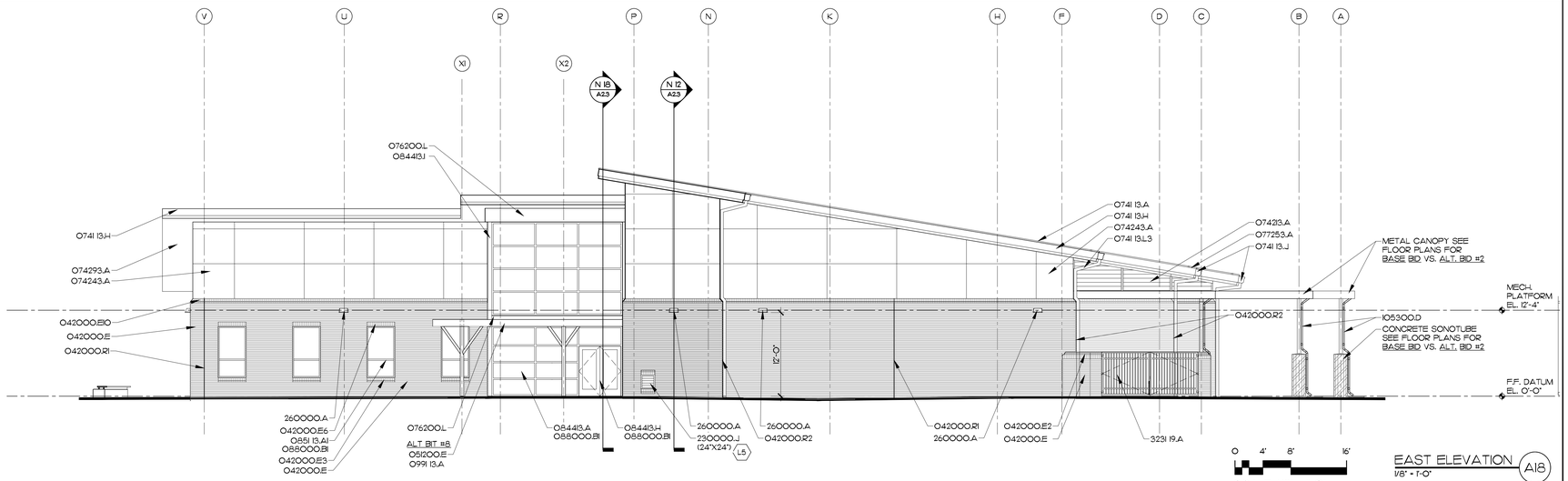
ALT. BID #1
PARTIAL SOUTH ELEVATION L7
1/16" = 1'-0"



PARTIAL SOUTH ELEVATION L18
1/16" = 1'-0"



BASE BID
PARTIAL SOUTH ELEVATION F18
1/16" = 1'-0"



EAST ELEVATION A18
1/8" = 1'-0"

MATERIALS KEYING LEGEND

042000.E	- FACE BRICK
042000.E2	- FACE BRICK, SPECIAL SHAPE
042000.E6	- FACE BRICK, SHELF BRICK, SOLDIER COURSE
042000.E3	- FACE BRICK, SILL SPECIAL SHAPE
042000.E10	- FACE BRICK, SOLDER COURSE SILL SPECIAL SHAPE
042000.R1	- CONTROL JOINT
042000.R2	- CONTROL JOINT, INSIDE CORNER
051200.E	- STEEL CANOPY ASSEMBLY
0741 13.A	- METAL ROOF, STANDING SEAM SYSTEM
0741 13.H	- METAL FASCIA
0741 13.J	- METAL GUTTER
0741 13.L3	- METAL DOWNSPOUT, 5X5
074213.A	- METAL WALL PANEL
074213.D	- METAL CLOSURE TRIM
074243.A	- COMPOSITE WALL PANEL, FLUSH PANEL W/REVEAL
074293.A	- METAL SOFFIT PANELS
076200.H	- 2-PIECE METAL COUNTERFLASH
076200.L	- METAL FASCIA
077253.A	- SNOW GUARD
084213.A	- STOREFRONT FRAMING, THERMALLY BROKEN
084213.D	- ALUMINUM FRP DOOR
084213.F	- ALUMINUM STILE & RAIL DOOR
084413.A	- ALUMINUM CURTAIN WALL ASSEMBLY
084413.J	- ALUMINUM CURTAIN WALL FRAMING, CORNER MULLION
084413.H	- ALUMINUM STILE AND RAIL DOOR
084523.B	- FIBERGLASS-SANDWICH PANEL ASSEMBLY, 2-3/4" THICK
085113.A	- ALUMINUM WINDOW ASSEMBLY
088000.B1	- 1" INSULATING GLASS-LOW E
099113.A	- PAINT FINISH, EXTERIOR SYSTEM
105300.A1	- ALUMINUM CANOPY ASSEMBLY, CANTILEVERED
105300.D	- ALUMINUM DOWNSPOUT ASSEMBLY
230000.J	- MECH. LOUVER-SEE HVAC DRAWINGS
260000.A	- EXTERIOR LIGHT FIXTURE
323119.A	- ALUMINUM ORNAMENTAL GATE

GENERAL NOTES

KEY PLAN

SCO ID #22-25191-01A; NCCCS #2675

NO	REVISION	DATE

SEAL: JOHN K. FARKAS, REGISTERED LANDSCAPE ARCHITECT, 3922, 3/19/2024

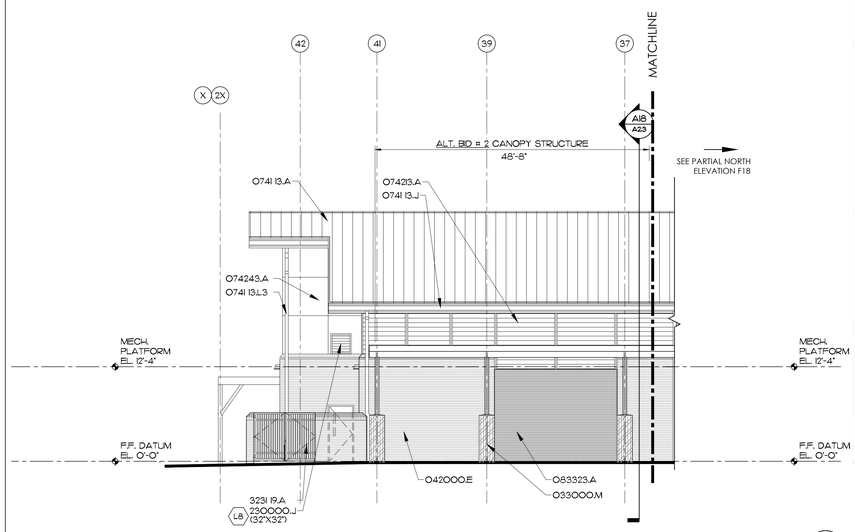
JKF ARCHITECTURE

425 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1048

PITT COMMUNITY COLLEGE
NEW WELDING BUILDING
WINTERVILLE, NC

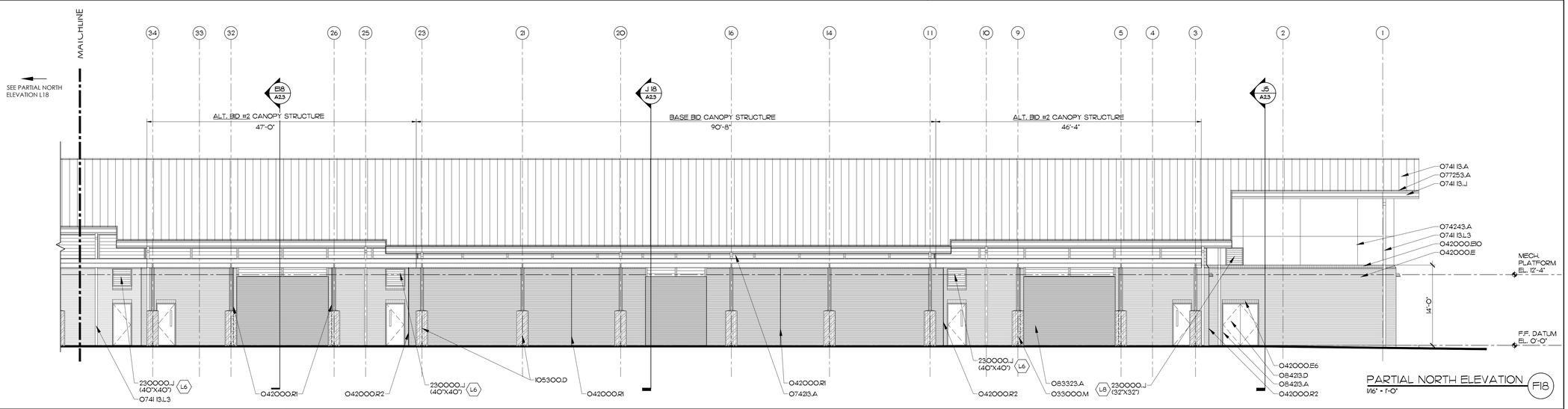
DRAWING TITLE: EXTERIOR ELEVATIONS

SCALE	1/8" = 1'-0"
DRAWN	MCZ
CHECKED	JKF
DATE	2-15-2024
PROJECT NO.	2022-07
DRAWING NO.	A2.1



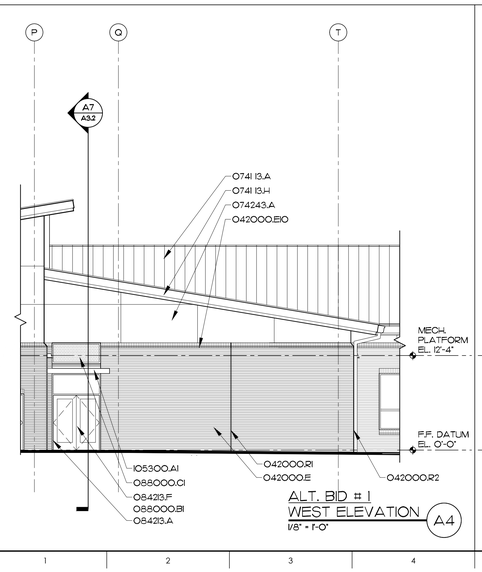
PARTIAL NORTH ELEVATION L18

1/16" = 1'-0"



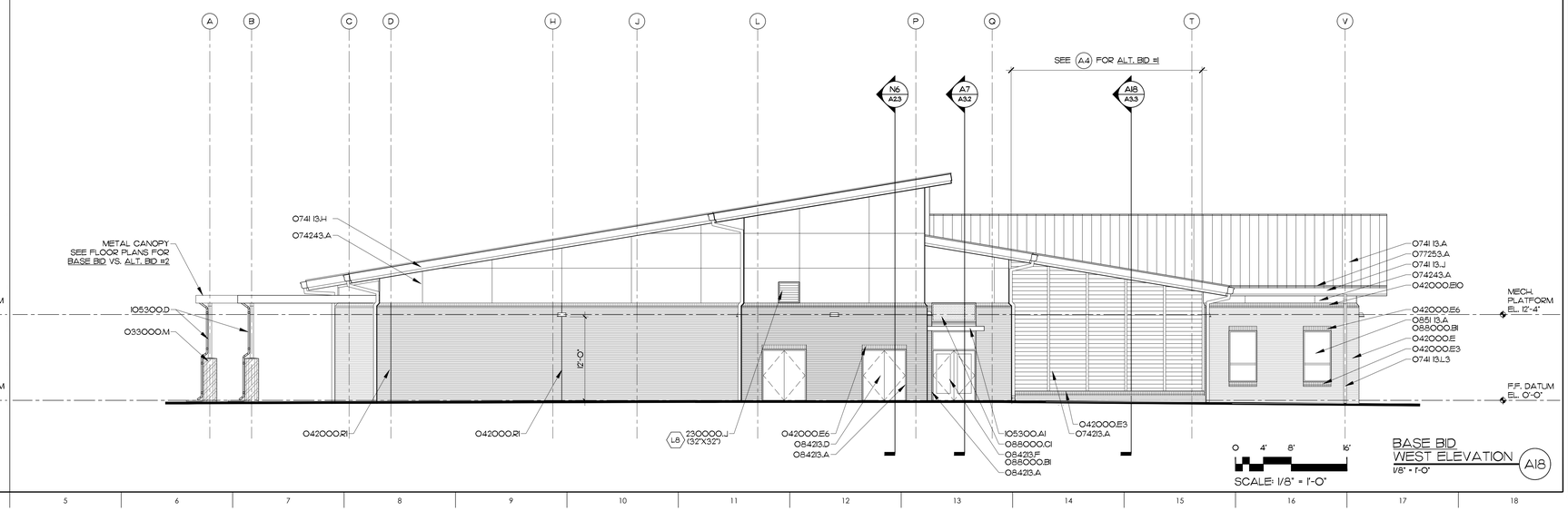
PARTIAL NORTH ELEVATION F18

1/16" = 1'-0"



ALT. BID # 1
WEST ELEVATION A4

1/8" = 1'-0"



SCALE: 1/8" = 1'-0"

BASE BID
WEST ELEVATION A18

1/8" = 1'-0"

MATERIALS KEYING LEGEND

033000.M	-	CONCRETE SONOTUBE
042000.E	-	FACE BRICK
042000.E3	-	FACE BRICK, SILL SPECIAL SHAPE
042000.E6	-	FACE BRICK, SHELF BRICK, SOLDIER COURSE
042000.E10	-	FACE BRICK, SOLDIER COURSE SILL, SPECIAL SHAPE
042000.R1	-	CONTROL JOINT
042000.R2	-	CONTROL JOINT, INSIDE CORNER
074113.A	-	METAL ROOF, STANDING SEAM SYSTEM
074113.J	-	METAL GUTTER
074113.L3	-	METAL DOWNSPOUT, 5X5
074213.A	-	METAL WALL PANEL
074243.A	-	COMPOSITE WALL PANEL, FLUSH PANEL W/REVEAL
077253.A	-	SNOW GUARD
083323.A	-	OVERHEAD COILING DOOR
084213.A	-	STOREFRONT FRAMING, THERMALLY BROKEN
084213.D	-	ALUMINUM FRP DOOR
084213.F	-	ALUMINUM STILE & RAIL DOOR
085113.A	-	ALUMINUM WINDOW ASSEMBLY
088000.B1	-	1" INSULATING GLASS-LOW E
088000.C1	-	INSULATING SPANDREL GLASS, 1" THICK
105300.A1	-	ALUMINUM CANOPY ASSEMBLY, CANTILEVERED
105300.D	-	ALUMINUM DOWNSPOUT ASSEMBLY
230000.J	-	MECH. LOUVER-SEE HVAC DRAWINGS
323119.A	-	ALUMINUM ORNAMENTAL GATE

GENERAL NOTES

KEY PLAN

SCO ID #22-25191-01A; NCCCS #2675

NO	REVISION	DATE

SEAL

JOHN K. FARKAS
REGISTERED ARCHITECT
3/10/2024
SEAL

JKF
ARCHITECTURE

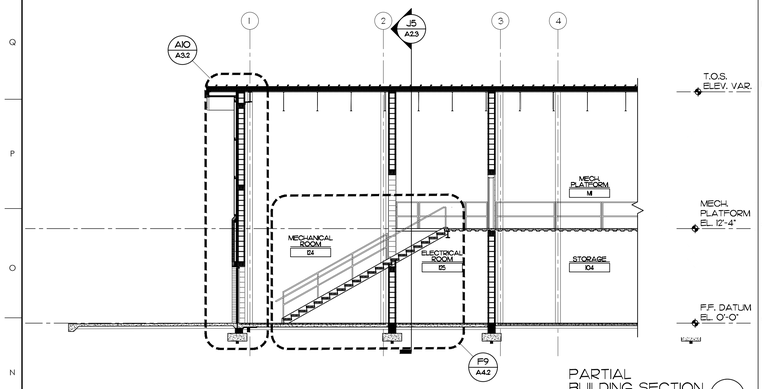
425 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

PITT COMMUNITY COLLEGE
NEW WELDING BUILDING

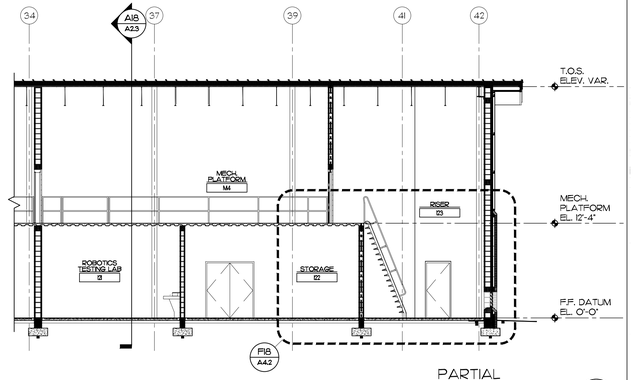
WINTERVILLE, NC

DRAWING TITLE
EXTERIOR ELEVATIONS

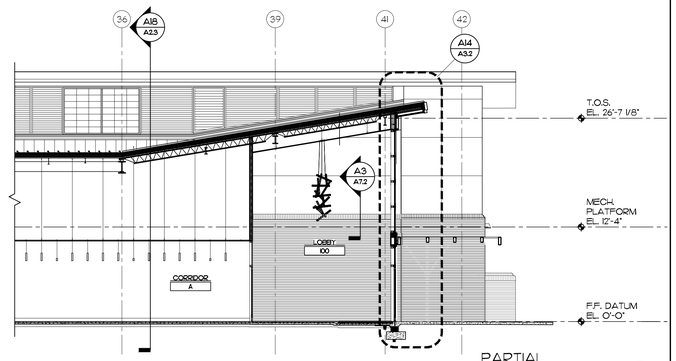
SCALE	1/8" = 1'-0"
DRAWN	MCZ
CHECKED	JKF
DATE	2-15-2024
PROJECT NO.	2022-07
DRAWING NO.	A2.2



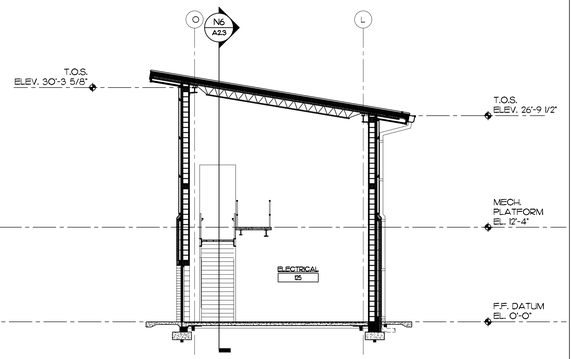
PARTIAL BUILDING SECTION N6
1/8" = 1'-0"



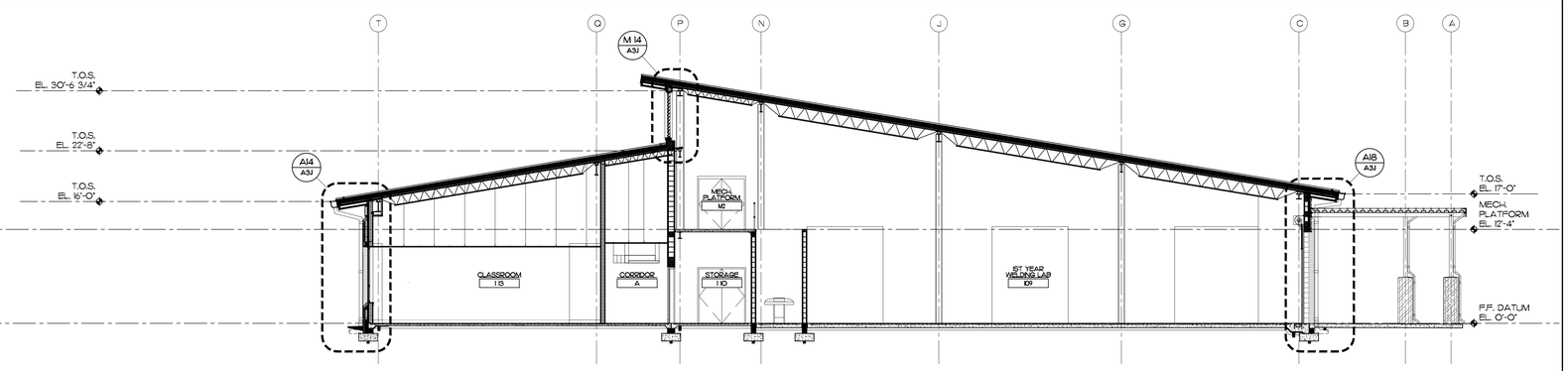
PARTIAL BUILDING SECTION N12
1/8" = 1'-0"



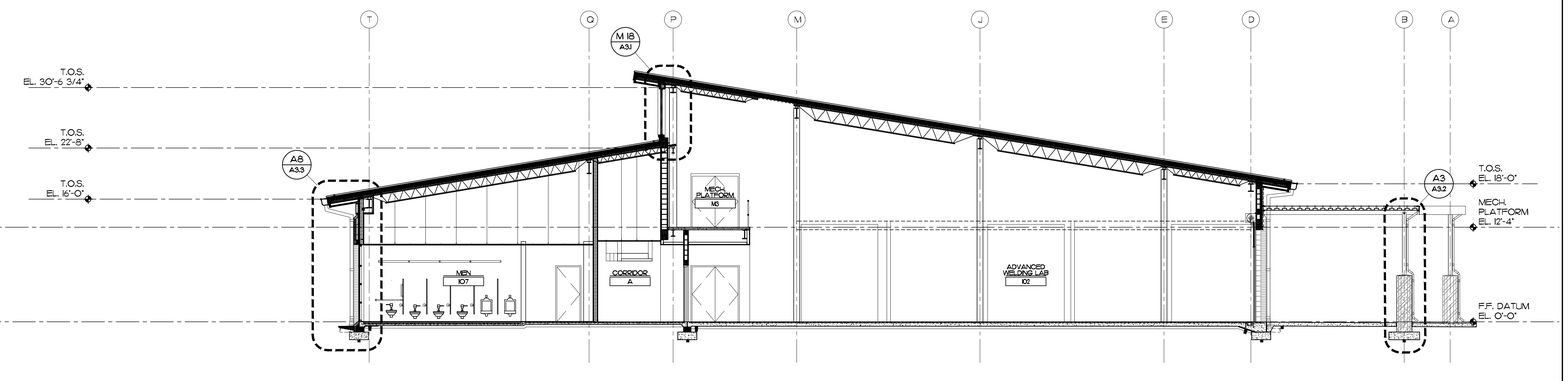
PARTIAL BUILDING SECTION N18
1/8" = 1'-0"



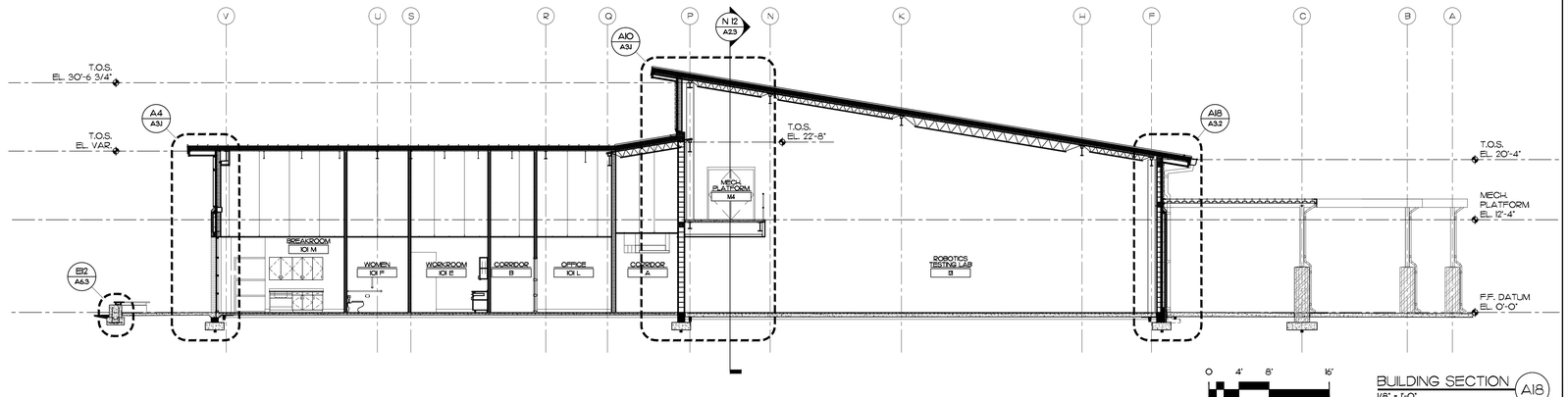
BUILDING SECTION J5
1/8" = 1'-0"



BUILDING SECTION J18
1/8" = 1'-0"



BUILDING SECTION E18
1/8" = 1'-0"



BUILDING SECTION A18
1/8" = 1'-0"

0 4' 8' 16'
SCALE: 1/8" = 1'-0"

MATERIALS KEYING LEGEND

GENERAL NOTES

KEY PLAN

SCO ID #22-25191-01A; NCCCS #2675

NO	REVISION	DATE

SEAL

JOHN K. FARKAS
REGISTERED ARCHITECT
5822
2/15/2024
JOHN K. FARKAS

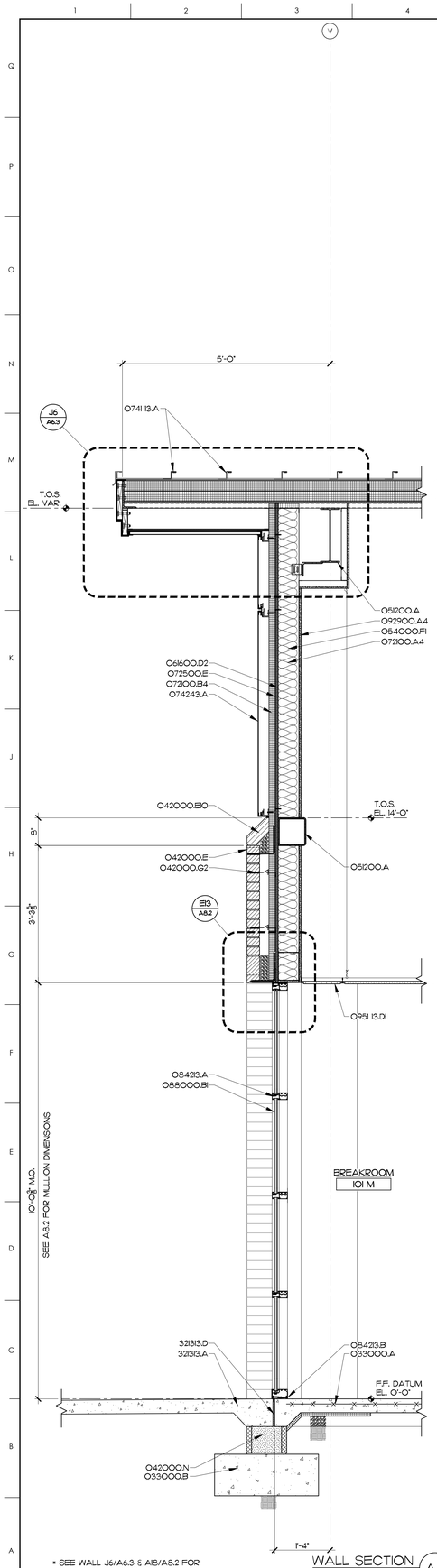
JKF ARCHITECTURE

625 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

PITT COMMUNITY COLLEGE
NEW WELDING BUILDING
WINTERVILLE, NC

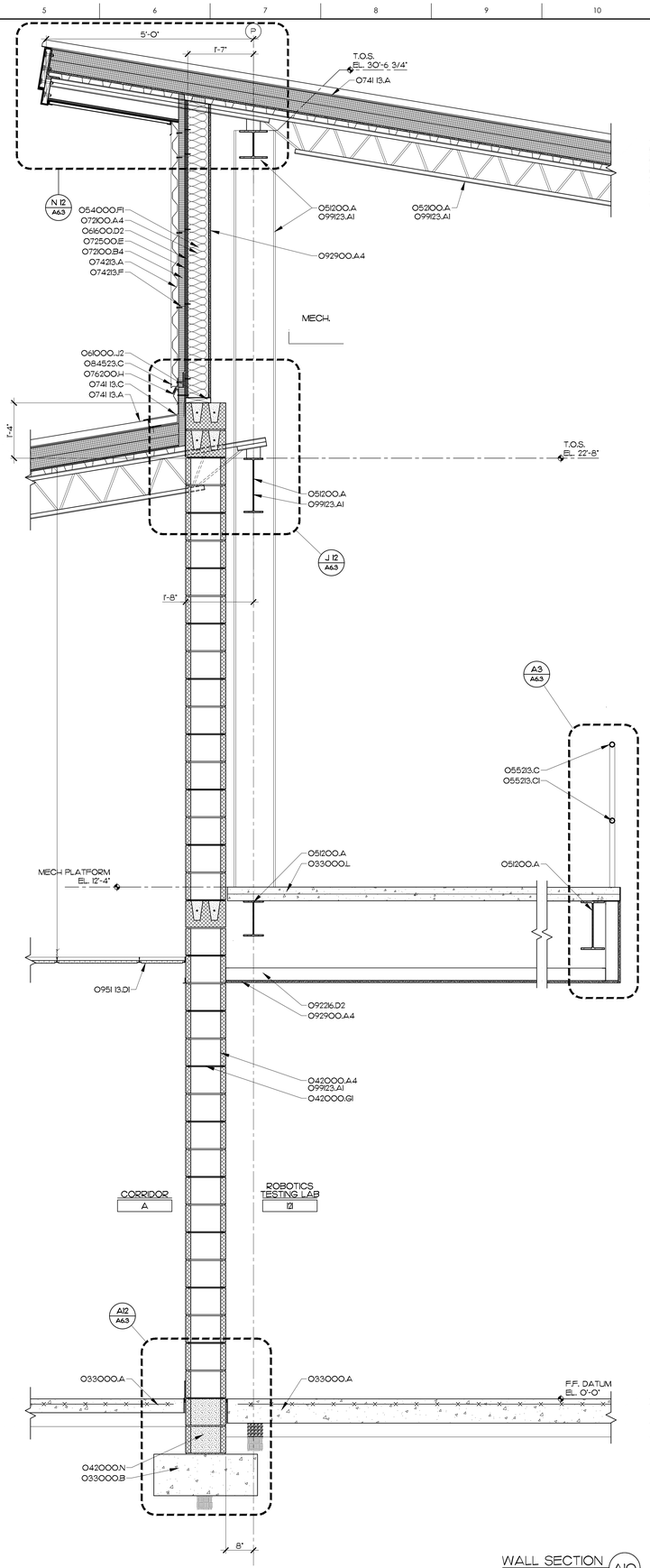
DRAWING TITLE
BUILDING SECTIONS

SCALE	1/8" = 1'-0"
DRAWN	BTP
CHECKED	JKF
DATE	2-15-2024
PROJECT NO.	2022-07
DRAWING NO.	A2.3

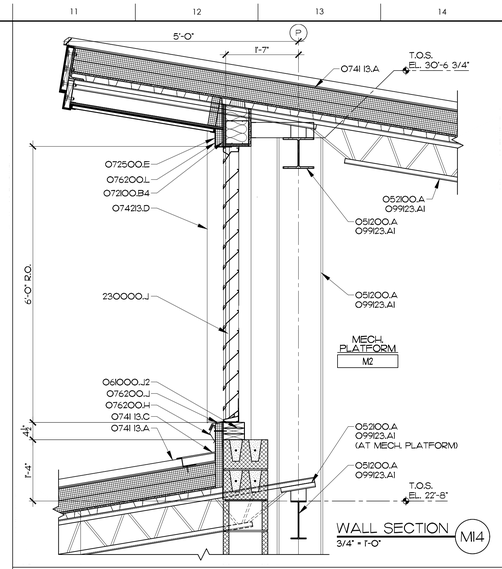


• SEE WALL J6/A6.3 & A18/A8.2 FOR ADDITIONAL KEYNOTES AND DIMENSIONS

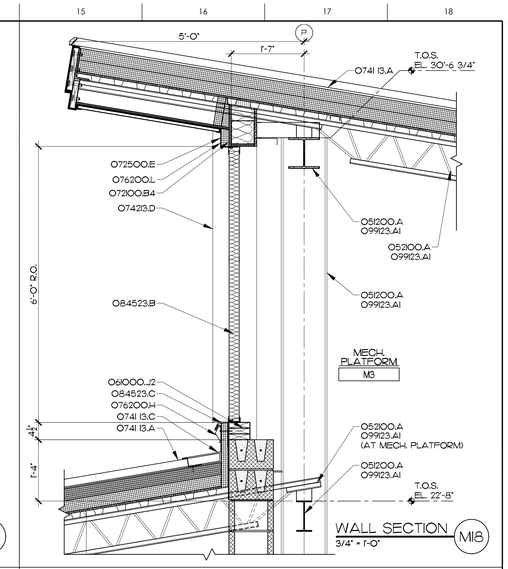
WALL SECTION A4
3/4" = 1'-0"



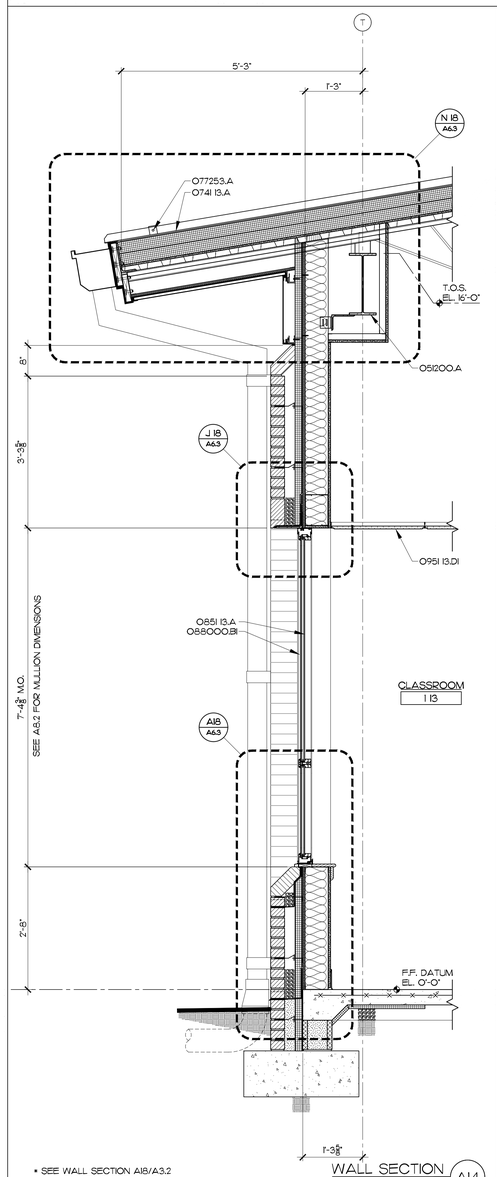
WALL SECTION A10
3/4" = 1'-0"



WALL SECTION MI4
3/4" = 1'-0"

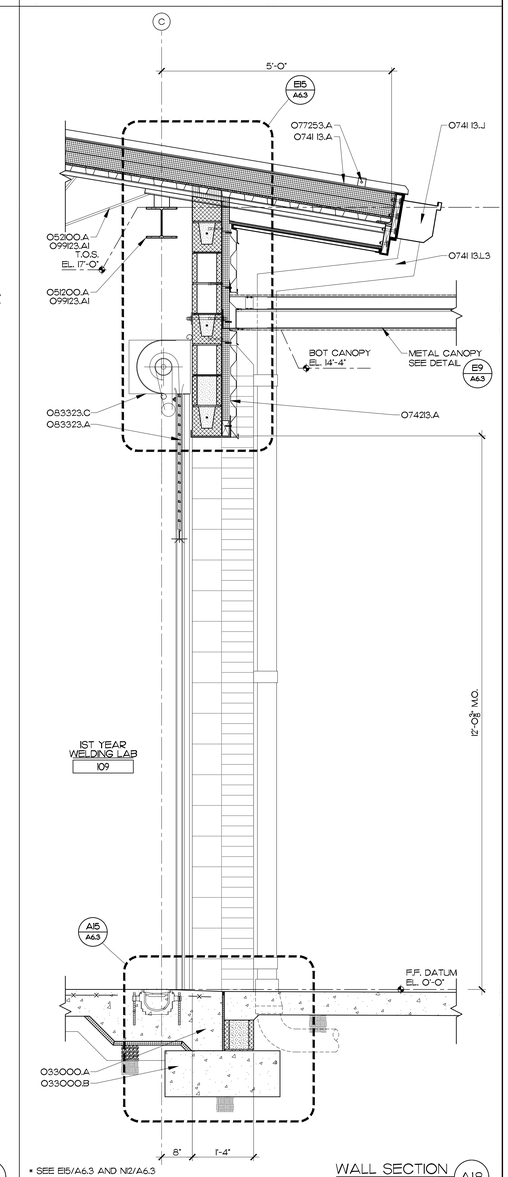


WALL SECTION MI8
3/4" = 1'-0"



• SEE WALL SECTION A18/A3.2 AND EXTERIOR DETAILS FOR ADDITIONAL KEYNOTES

WALL SECTION AI4
3/4" = 1'-0"



• SEE EI8/A6.3 AND N2/A6.3 FOR ADDITIONAL KEYNOTES

WALL SECTION AI8
3/4" = 1'-0"

MATERIALS KEYING LEGEND

O33000.A	- CONCRETE SLAB ON GRADE, SEE STRUCTURAL
O33000.B	- CONCRETE FOOTING, SEE STRUCTURAL
O33000.L	- CONCRETE SLAB ON STEEL DECK, SEE STRUCTURAL
O42000.A4	- CONCRETE MASONRY UNIT, I2"
O42000.E	- FACE BRICK
O42000.EIO	- FACE BRICK, SOLDIER COURSE SILL, SPECIAL SHAPE
O42000.GI	- HORIZONTAL JOINT REINFORCING AT I6" O.C. VERT.
O42000.G2	- ADJ. BRICK TIES AT I6" OC VERT., 24" O.C. HORIZ.
O42000.N	- GROUT SOLID
O5I200.A	- STRUCTURAL STEEL, SEE STRUCTURAL DRAWINGS
O52I00.A	- STEEL BAR JOIST, SEE STRUCTURAL DRAWINGS
O54000.FI	- COLD FORMED METAL FRAMING, 6" STUD AT I6" O.C.
O5523.C	- STEEL GUARDRAIL ASSEMBLY, 42" HIGH, PAINTED
O5523.CI	- INTERMEDIATE STEEL RAILS - 1 1/2" OD, PAINTED
O6I000.J2	- WOOD BLOCKING, PRESSURE TREATED
O6I600.D2	- GLASS-MAT GYPSUM SHEATHING, 5/8" THICK
O72I00.A	- BATT INSULATION
O72I00.A.4	- R-I9 BATT INSULATION
O72I00.B4	- 2" RIGID INSULATION
O725OO.E	- BUILDING WRAP
O74I I3.A	- METAL ROOF, STANDING SEAM SYSTEM
O74I I3.C	- METAL FLASHING
O74I I3.J	- METAL GUTTER
O74I I3.L3	- METAL DOWNSPOUT, 5X5
O74213.A	- METAL WALL PANEL
O74213.C	- METAL SILL FLASHING
O74213.D	- METAL CLOSURE TRIM
O74213.D	- METAL CLOSURE TRIM
O74213.F	- 2" METAL Z-FURRING CHANNEL, I6" O.C.
O74243.A	- COMPOSITE WALL PANEL, FLUSH PANEL W/REVEAL
O762OO.H	- 2-PIECE METAL COUNTERFLASH
O762OO.J	- METAL SILL PAN
O762OO.L	- METAL FASCIA
O7725.3.A	- SNOW GUARD
O8332.3.A	- OVER-HEAD COILING DOOR
O8332.3.C	- OVER-HEAD COILING DOOR, METAL HOUSING
O8421.3.A	- STOREFRONT FRAMING, THERMALLY BROKEN
O8421.3.B	- METAL SILL PAN
O8452.3.B	- FIBERGLASS-SANDWICH PANEL ASSEMBLY, 2-3/4" THICK
O8452.3.C	- METAL SILL PAN
O85I I3.A	- ALUMINUM WINDOW ASSEMBLY
O88000.BI	- I" INSULATING GLASS-LOW E
O9226.D2	- 3 5/8" METAL STUDS AT I6" O.C.
O2900.A.4	- 5/8" GYPSUM WALLBOARD
O95I I3.DI	- ACOUSTICAL PANEL CEILING TILE, 2X2
O9923.AI	- PAINT FINISH, INTERIOR SYSTEM
230000.J	- MECH. LOUVER-SEE HVAC DRAWINGS
32I3I3.A	- CONCRETE SIDEWALK, 4" THICK
32I3I3.D	- COMPRESSIBLE FILL

GENERAL NOTES

KEY PLAN

SCO ID #22-25191-01A; NCCCS #2675

NO	REVISION	DATE

SEAL

JOHN K. FARKAS
REGISTERED ARCHITECT
3/10/2014
5822
GREENVILLE, N.C.

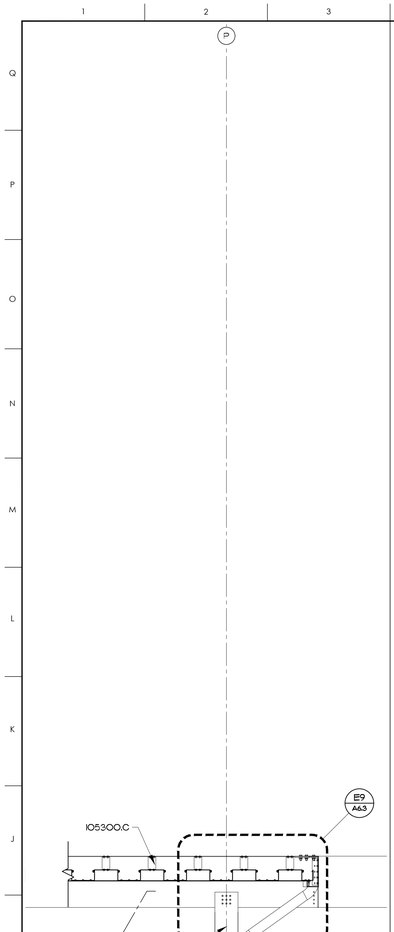
JKF ARCHITECTURE

425 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

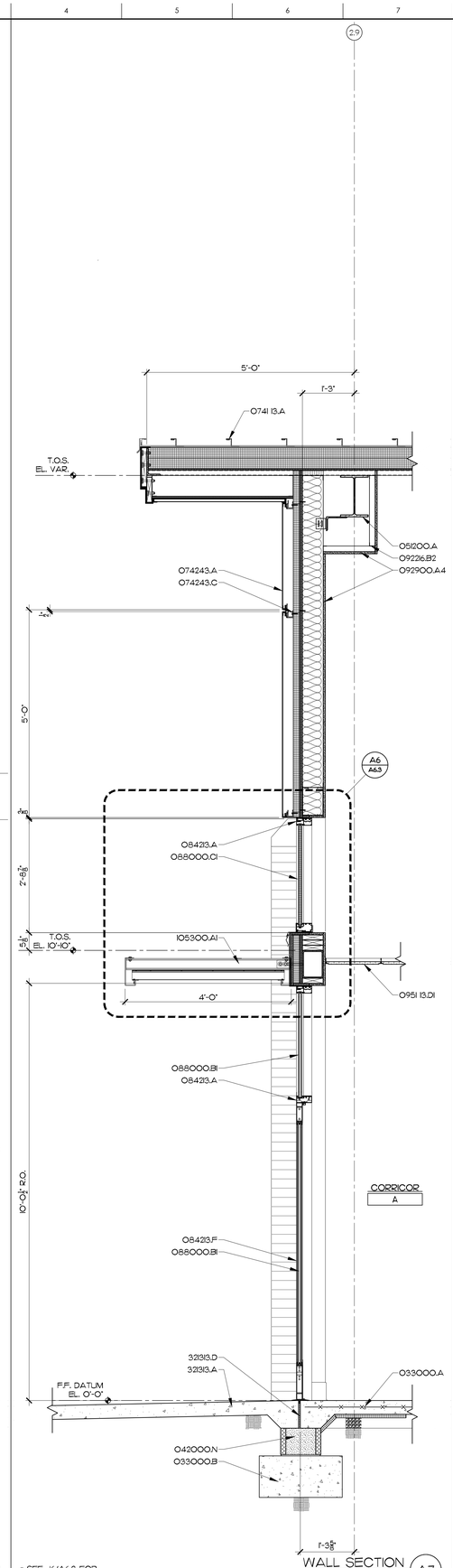
PITT COMMUNITY COLLEGE
NEW WELDING BUILDING
WINTERVILLE, NC

DRAWING TITLE
WALL SECTIONS

SCALE	3/4" = 1'-0"
DRAWN	MCZ
CHECKED	JKF
DATE	2-15-2024
PROJECT NO.	2022-07
DRAWING NO.	A3.1

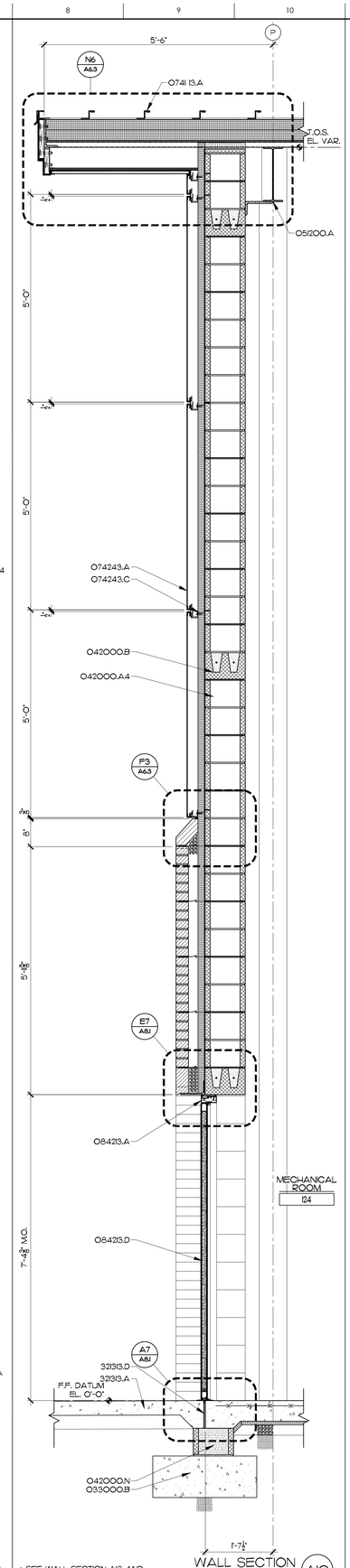


WALL SECTION A3
3/4" = 1'-0"



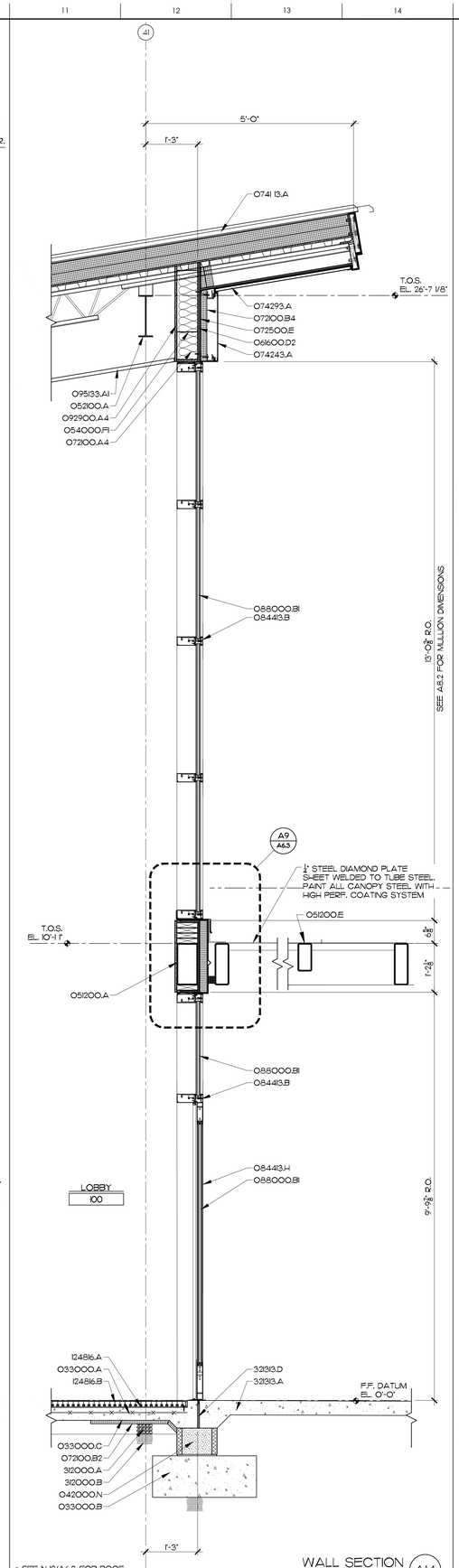
- SEE J6/A6.3 FOR ROOF & SOFFIT KEYNOTES

WALL SECTION A7
3/4" = 1'-0"



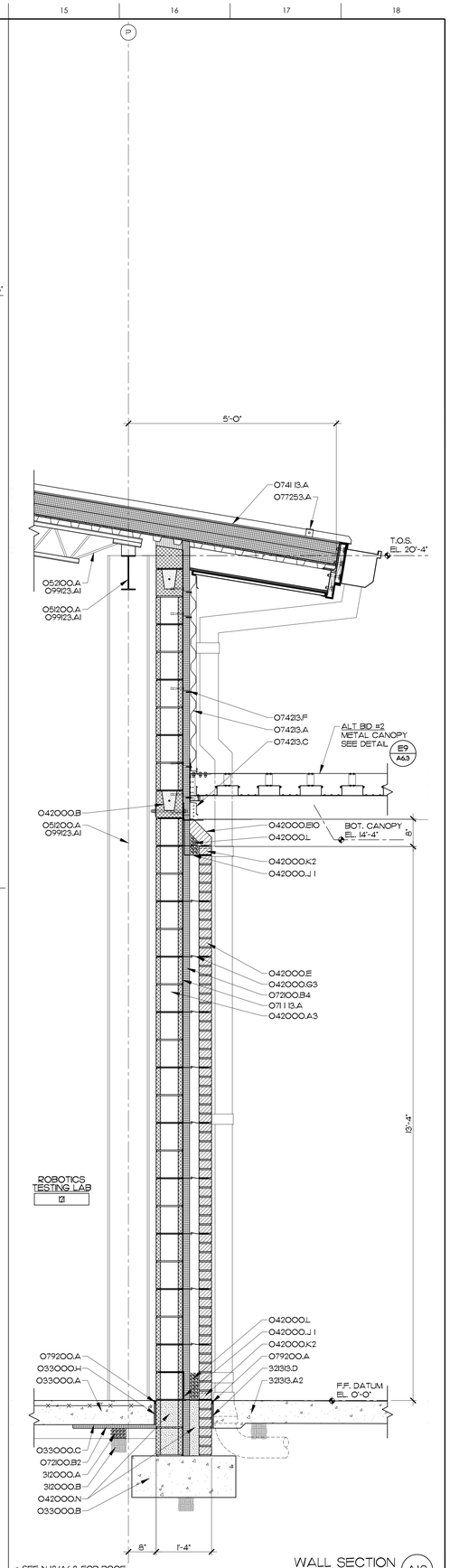
- SEE WALL SECTION A18 AND EXTERIOR DETAILS FOR ADDITIONAL KEYNOTES AND DIMENSIONS

WALL SECTION A10
3/4" = 1'-0"



- SEE N 12/A6.3 FOR ROOF, GUTTER & SOFFIT KEYNOTES

WALL SECTION A14
3/4" = 1'-0"



- SEE N 18/A6.3 FOR ROOF, GUTTER & SOFFIT KEYNOTES

WALL SECTION A18
3/4" = 1'-0"

MATERIALS KEYING LEGEND

033000.A	-	CONCRETE SLAB ON GRADE
033000.B	-	CONCRETE FOOTING
033000.C	-	VAPOR BARRIER
033000.H	-	COMPRESSIBLE FILL
033000.M	-	CONCRETE SONOTUBE
042000.A3	-	CONCRETE MASONRY UNIT, 8"
042000.A4	-	CONCRETE MASONRY UNIT, 12"
042000.B	-	CONCRETE MASONRY, BOND BEAM
042000.E	-	FACE BRICK
042000.BIO	-	FACE BRICK, SOLDIER COURSE SILL, SPECIAL SHAPE
042000.G3	-	HORIZONTAL JOINT REINF. AT 16"VERT. & BRICK TIE EYES AT 24" O.C. HORIZ.
042000.J 1	-	THRU-WALL FABRIC FLASHING
042000.K2	-	WEEP SLOTS AT 16" O.C.
042000.L	-	CAVITY DRAINAGE MATERIAL
042000.N	-	GROUT SOLID
051200.A	-	STRUCTURAL STEEL
051200.E	-	STEEL CANOPY ASSEMBLY
052100.A	-	STEEL BAR JOIST
054000.FI	-	COLD FORMED METAL FRAMING, 6" STUD AT 16" O.C.
066000.D2	-	GLASS-MAT GYPSUM SHEATHING, 5/8" THICK
071113.A	-	BITUMINOUS DAMPROOFING
072100.A4	-	R-19 BATT INSULATION
072100.B2	-	1" RIGID INSULATION
072100.B4	-	2" RIGID INSULATION
072500.E	-	BUILDING WRAP
074113.A	-	METAL ROOF, STANDING SEAM SYSTEM
074213.A	-	METAL WALL PANEL
074213.C	-	METAL SILL FLASHING
074213.F	-	2" METAL Z-FURRING CHANNEL, 16" O.C.
074243.A	-	COMPOSITE WALL PANEL, FLUSH PANEL W/REVEAL
074243.C	-	2" METAL Z-FURRING CHANNEL, 16" O.C.
074293.A	-	METAL SOFFIT PANELS
077253.A	-	SNOW GUARD
079200.A	-	SEALANT
084213.A	-	STOREFRONT FRAMING, THERMALLY BROKEN
084213.D	-	ALUMINUM FRP DOOR
084213.F	-	ALUMINUM STILE & RAIL DOOR
084413.B	-	ALUMINUM CURTAIN WALL FRAMING
084413.H	-	ALUMINUM STILE AND RAIL DOOR
088000.BI	-	1" INSULATING GLASS-LOW E
088000.CI	-	INSULATING SPANDREL GLASS, 1" THICK
092266.B2	-	1 5/8" METAL STUD AT 16" O.C.
092900.A4	-	5/8" GYPSUM WALLBOARD
095113.DI	-	ACOUSTICAL PANEL CEILING TILE, 2X2
095133.AI	-	ACOUSTICAL METAL PANEL CEILING TILE, 2X6
099123.AI	-	PAINT FINISH, INTERIOR SYSTEM
105300.AI	-	ALUMINUM CANOPY ASSEMBLY, CANTILEVERED
105300.C	-	ALUMINUM CANOPY ASSEMBLY
105300.D	-	ALUMINUM DOWNSPOUT ASSEMBLY
124816.A	-	FOOT GRILLE, RECESSED
124816.B	-	LEVELING BED FRAME FOR FOOT GRILLE
312000.A	-	POROUS FILL
312000.B	-	COMPACTED FILL
321313.A	-	CONCRETE SIDEWALK, 4" THICK
321313.AI	-	CONCRETE PAVING, SEE CIVIL DRAWINGS
321313.D	-	COMPRESSIBLE FILL

GENERAL NOTES

KEY PLAN

SCO ID #22-25191-01A; NCCCS #2675

NO	REVISION	DATE

SEAL

JOHN K. FARKAS REGISTERED ARCHITECT 5922 GREENVILLE, N.C. 3/10/2024

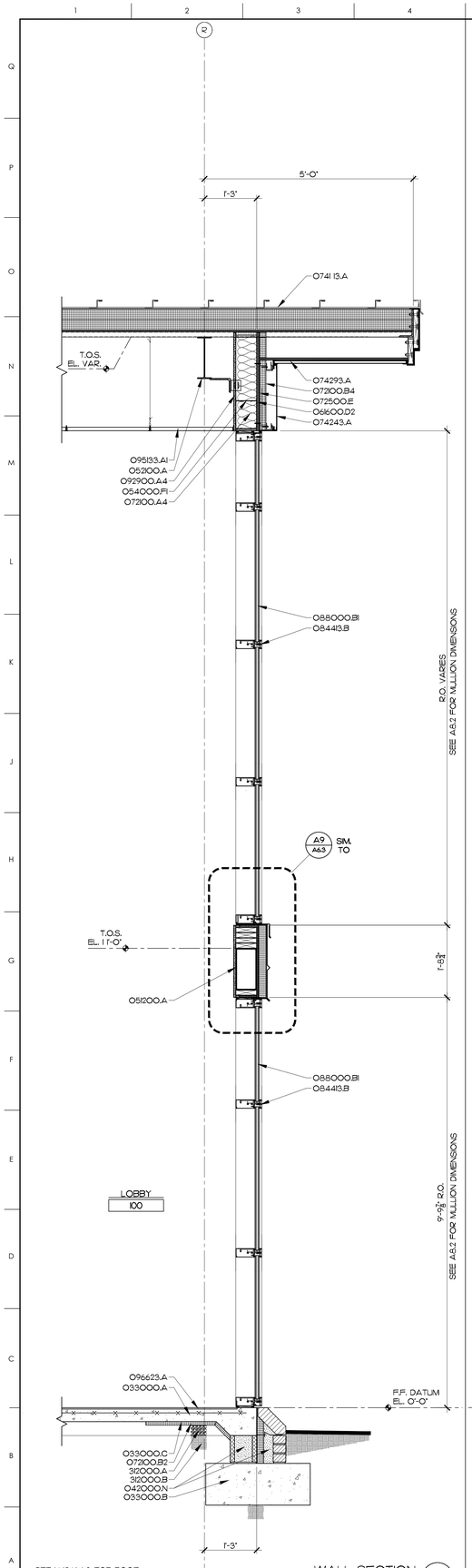
JKF ARCHITECTURE

625 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1048

PITT COMMUNITY COLLEGE
NEW WELDING BUILDING
WINTERVILLE, NC

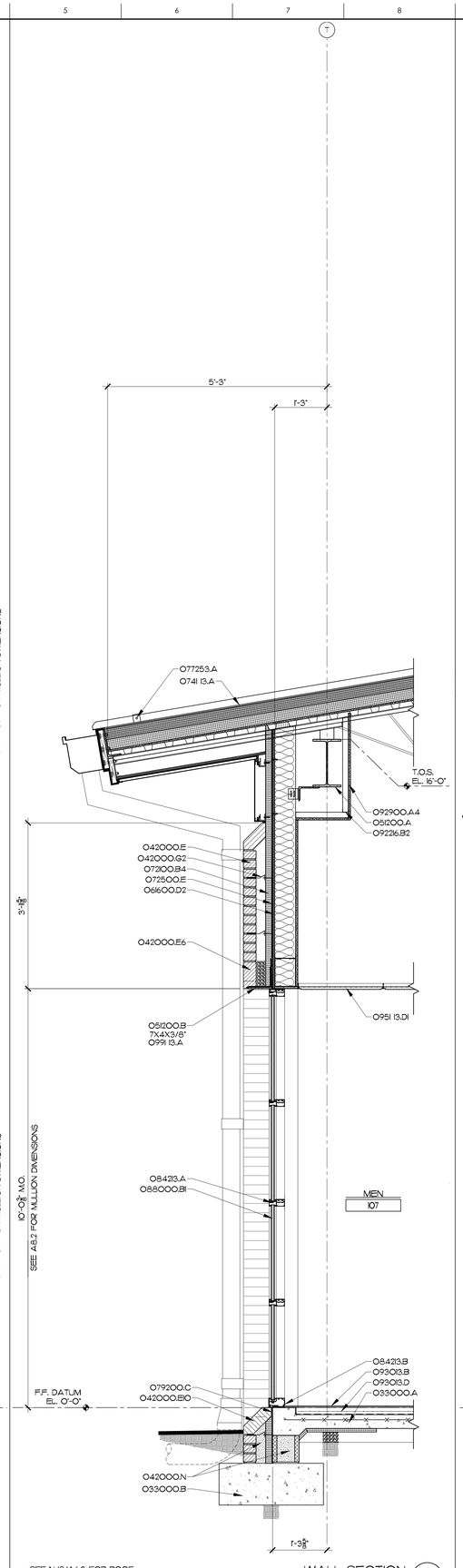
DRAWING TITLE: WALL SECTIONS

SCALE	3/4" = 1'-0"
DRAWN	MCZ
CHECKED	JKF
DATE	2-15-2024
PROJECT NO.	2022-07
DRAWING NO.	A3.2



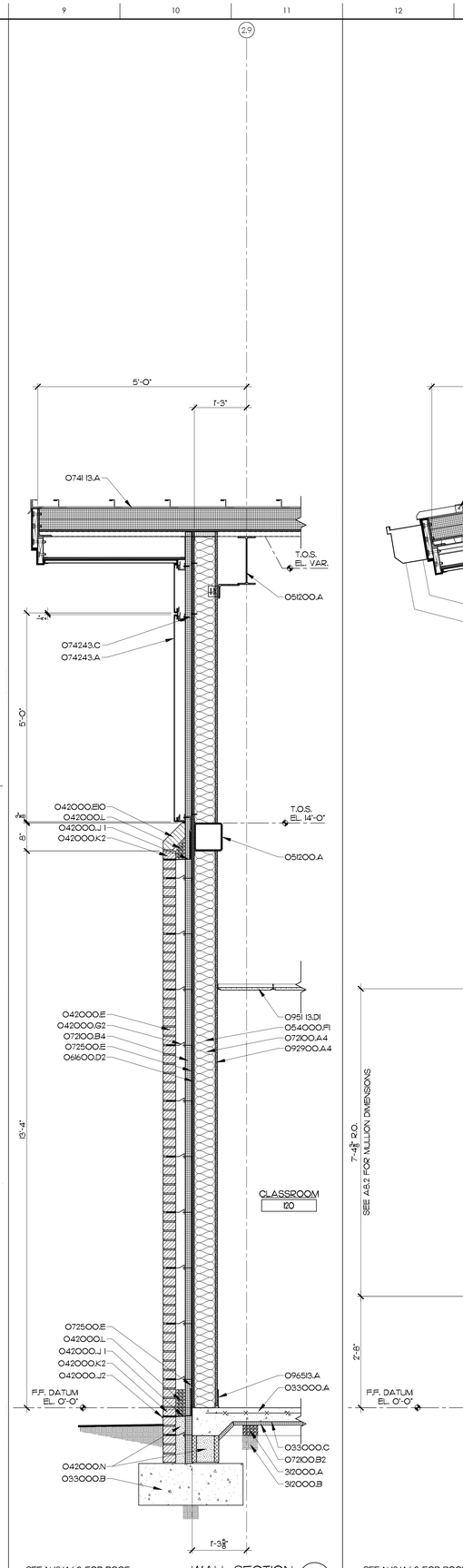
• SEE N 18/A6.3 FOR ROOF & SOFFIT KEYNOTES

WALL SECTION A4
3/4" = 1'-0"



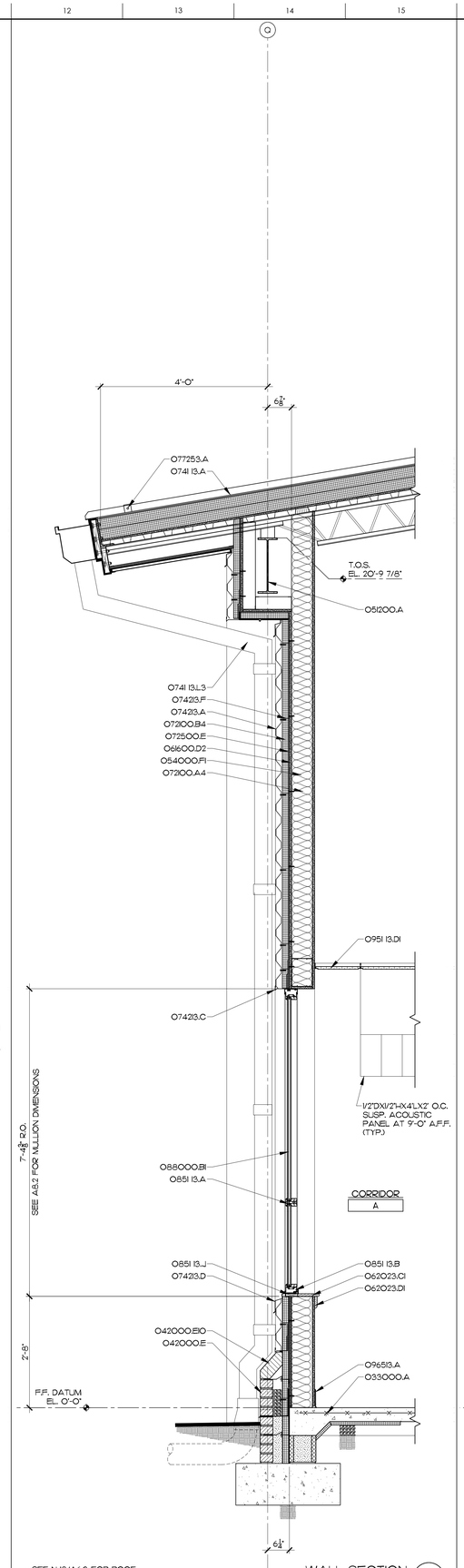
• SEE N 18/A6.3 FOR ROOF, GUTTER & SOFFIT KEYNOTES

WALL SECTION A8
3/4" = 1'-0"



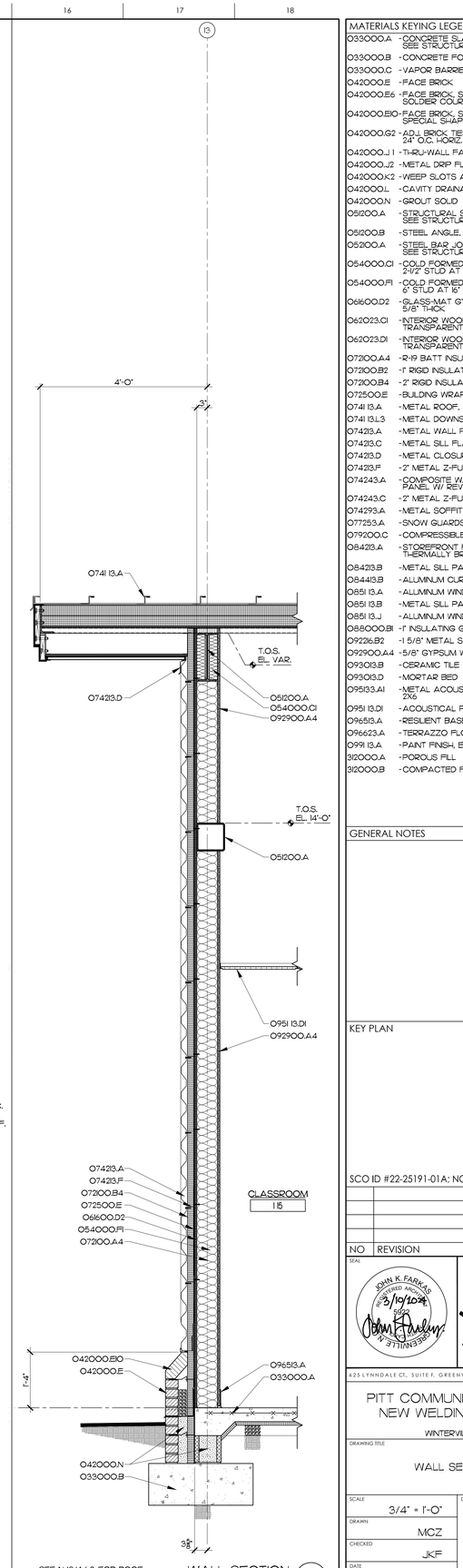
• SEE N 18/A6.3 FOR ROOF & SOFFIT KEYNOTES

WALL SECTION A11
3/4" = 1'-0"



• SEE N 18/A6.3 FOR ROOF, GUTTER & SOFFIT KEYNOTES

WALL SECTION A15
3/4" = 1'-0"



• SEE N 18/A6.3 FOR ROOF & SOFFIT KEYNOTES

WALL SECTION A18
3/4" = 1'-0"

MATERIALS KEYING LEGEND

033000.A	-CONCRETE SLAB ON GRADE, SEE STRUCTURAL
033000.B	-CONCRETE FOOTING, SEE STRUCTURAL
033000.C	-VAPOR BARRIER
042000.E	-FACE BRICK
042000.E6	-FACE BRICK, SHELF BRICK, SOLDIER COURSE
042000.E10	-FACE BRICK, SOLDIER COURSE SILL, SPECIAL SHAPE
042000.G2	-ADJ. BRICK TIES AT 16" OC VERT., 24" O.C. HORIZ.
042000.J1	-THRU-WALL FABRIC FLASHING
042000.J2	-METAL DRIP FLASHING
042000.K2	-WEEP SLOTS AT 16" O.C.
042000.L	-CAVITY DRAINAGE MATERIAL
042000.N	-GROUT SOLID
051200.A	-STRUCTURAL STEEL, SEE STRUCTURAL DRAWINGS
051200.B	-STEEL ANGLE, SIZE AS INDICATED
052100.A	-STEEL BAR JOIST, SEE STRUCTURAL DRAWINGS
054000.C1	-COLD FORMED METAL FRAMING, 2-1/2" STUD AT 16" O.C.
054000.F1	-COLD FORMED METAL FRAMING, 6" STUD AT 16" O.C.
061600.D2	-GLASS-MAT GYPSUM SHEATHING, 5/8" THICK
062023.C1	-INTERIOR WOOD TRIM, WINDOW SILL, TRANSPARENT FINISH
062023.D1	-INTERIOR WOOD TRIM, APRON, TRANSPARENT FINISH
072100.A4	-R-19 BATT INSULATION
072100.B2	-1" RIGID INSULATION
072100.B4	-2" RIGID INSULATION
072500.E	-BUILDING WRAP
074113.A	-METAL ROOF, STANDING SEAM SYSTEM
074113.L3	-METAL DOWNSPOUT, 5X5
074213.A	-METAL WALL PANEL
074213.C	-METAL SILL FLASHING
074213.D	-METAL CLOSURE TRIM
074213.F	-2" METAL Z-FURRING CHANNEL, 16" O.C.
074243.A	-COMPOSITE WALL PANEL, FLUSH PANEL W/ REVEAL
074243.C	-2" METAL Z-FURRING CHANNEL, 16" O.C.
074293.A	-METAL SOFFIT PANELS
077253.A	-SNOW GUARDS
079200.C	-COMPRESSIBLE SEALER W/ADHESIVE
084213.A	-STOREFRONT FRAMING, THERMALLY BROKEN
084213.B	-METAL SILL PAN
084413.B	-ALUMINUM CURTAIN WALL FRAMING
085113.A	-ALUMINUM WINDOW ASSEMBLY
085113.B	-METAL SILL PAN
085113.J	-ALUMINUM WINDOW PAN
088000.B1	-1" INSULATING GLASS-LOW E
092216.B2	-1 5/8" METAL STUD AT 16" O.C.
092900.A4	-5/8" GYPSUM WALLBOARD
093013.B	-CERAMIC TILE
093013.D	-MORTAR BED
095133.A1	-METAL ACOUSTICAL CEILING PANEL, 2X6
095113.DI	-ACOUSTICAL PANEL CEILING TILE, 2X2
096513.A	-RESILIENT BASE
096623.A	-TERRAZZO FLOOR
099113.A	-PAINT FINISH, EXTERIOR SYSTEM
312000.A	-POROUS FILL
312000.B	-COMPACTED FILL

GENERAL NOTES

KEY PLAN

SCO ID #22-25191-01A; NCCCS #2675

NO	REVISION	DATE

SEAL

JOHN K. FARKAS
REGISTERED ARCHITECT
3/10/2024
SEAL
GREENVILLE, N.

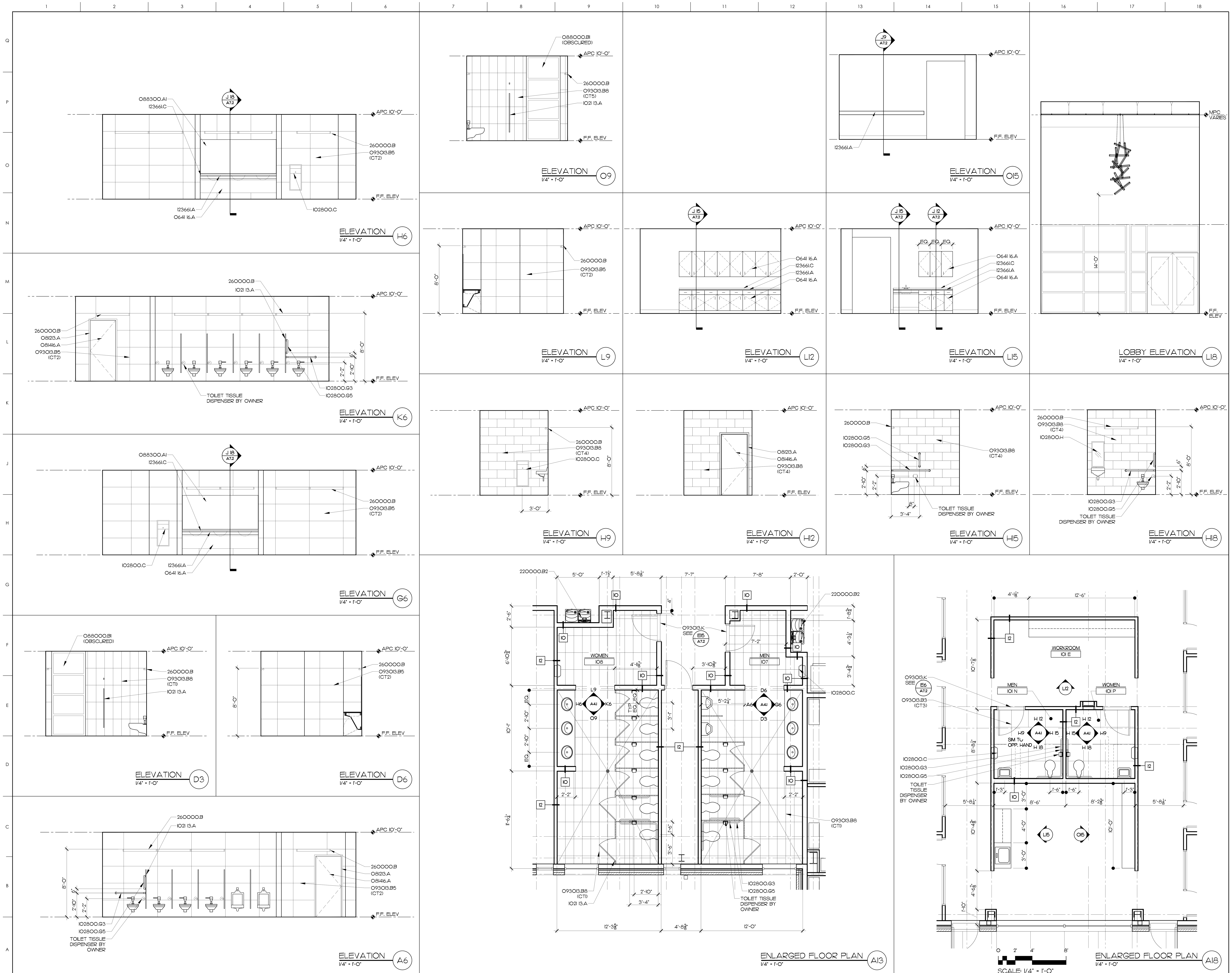
JKF ARCHITECTURE

825 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1048

PITT COMMUNITY COLLEGE
NEW WELDING BUILDING
WINTERVILLE, NC

DRAWING TITLE
WALL SECTIONS

SCALE	3/4" = 1'-0"
DRAWN	MCZ
CHECKED	JKF
DATE	2-15-2024
PROJECT NO.	2022-07
DRAWING NO	A3.3



MATERIALS KEYING LEGEND

- 064116.A - PLASTIC LAMINATE CABINETS
- 081213.A - HOLLOW METAL FRAME
- 081416.A - SOLID CORE WOOD DOOR, FLUSH
- 088000.B1- 1" INSULATING GLASS-LOW E
- 088300.A1- 1/4" GLASS MIRROR
- 093013.B3 - CERAMIC TILE, 24X24
- 093013.B5 - CERAMIC TILE, 24X48
- 093013.B8 - CERAMIC TILE, 12X24
- 093013.K - THRESHOLD
- 099123.A1 - PAINT FINISH, INTERIOR SYSTEM
- 102113.A - TOILET COMPARTMENT
- 102800.C - WASTE RECEPTACLE
- 102800.G3 - 42X54 GRAB BAR
- 102800.G5 - 18" VERT. GRAB BAR
- 102800.H - MIRROR UNIT, 18X32 (MOUNT 40" MAX TO REFLECTING SURFACE)
- 123661.A - SIMULATED STONE COUNTERTOP
- 123661.C - SIMULATED STONE BACKSPLASH
- 260000.B - INTERIOR LIGHT FIXTURE
- 220000.B2 - ELECTRIC WATER COOLER W/BOTTLE FILL
- 260000.B - INTERIOR LIGHT FIXTURE

GENERAL NOTES

1. INTERIOR DIMENSIONS ARE TO FACE OF STUD U.N.O. W/ DOT LEADER (FINISH)
2. CERAMIC TILE WALLS, ALIGN WALL GROUT JOINTS WITH FLOOR GROUT JOINTS (TYP.)

KEY PLAN

SCO ID #22-25191-01A; NCCCS #2675

NO	REVISION	DATE

SEAL

JOHN K. FARKAS REGISTERED ARCHITECT 3/10/2024 5922 NORTH CAROLINA GREENVILLE

JKF ARCHITECTURE

625 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

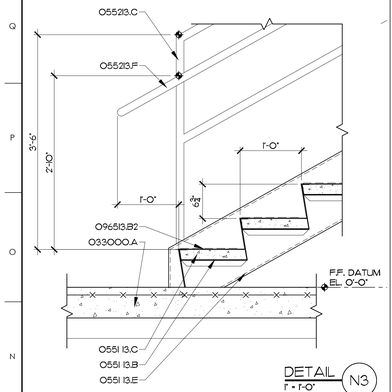
PITT COMMUNITY COLLEGE
NEW WELDING BUILDING

WINTERVILLE, NC

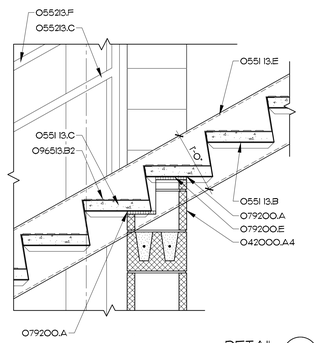
DRAWING TITLE

ENLARGED FLOOR PLANS
INTERIOR ELEVATIONS

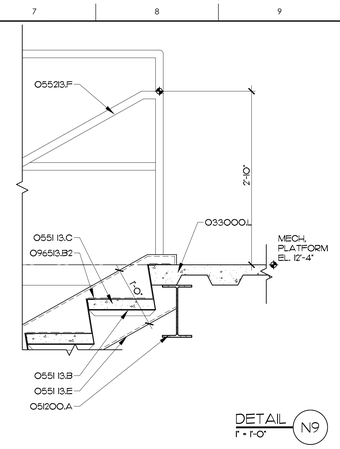
SCALE	1/4" = 1'-0"
DRAWN	MCZ, BTP
CHECKED	JKF
DATE	2-15-2024
PROJECT NO.	2022-07
DRAWING NO	A4.1



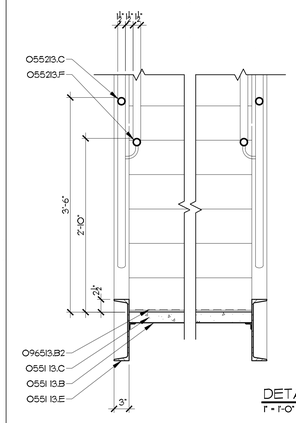
DETAIL N3
1" = 1'-0"



DETAIL N6
1" = 1'-0"



DETAIL N9
1" = 1'-0"

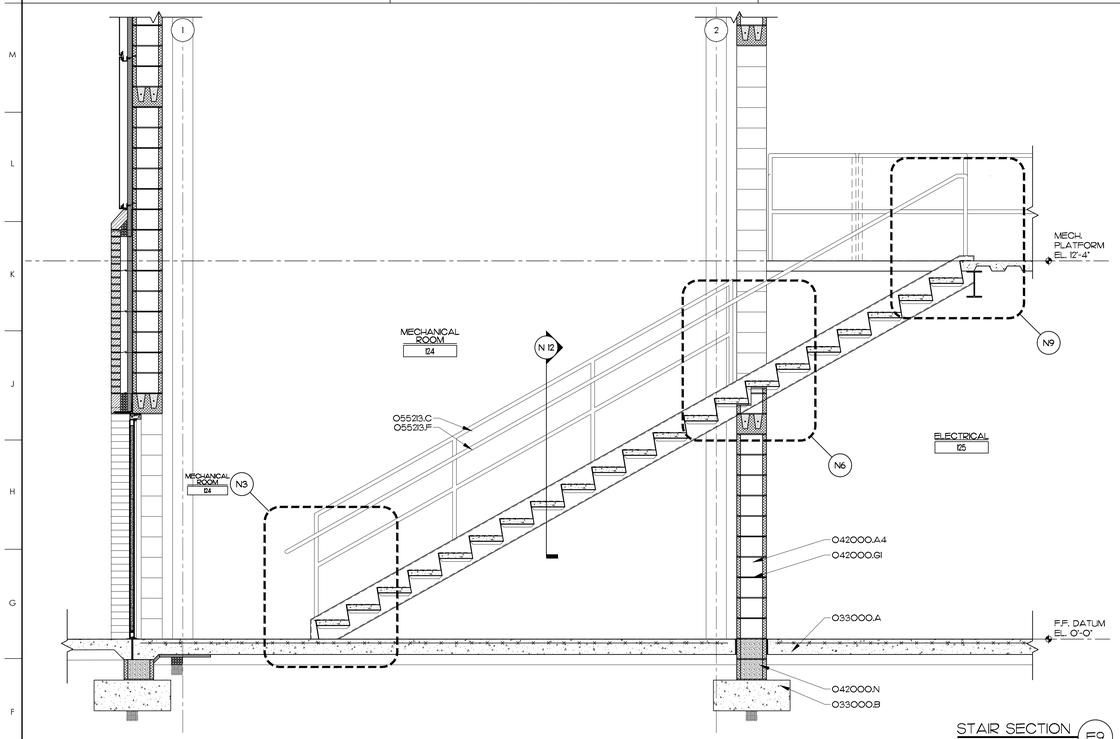


DETAIL N12
1" = 1'-0"

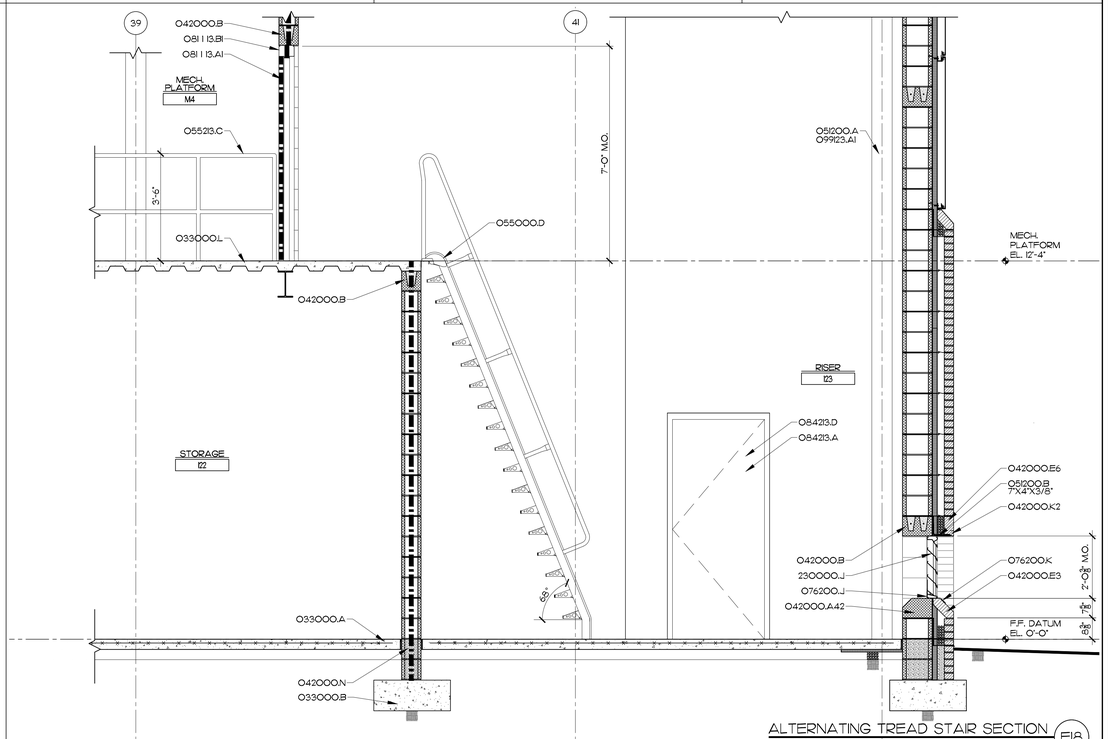
MATERIALS KEYING LEGEND

033000.A	- CONCRETE SLAB ON GRADE
033000.B	- CONCRETE FOOTING
033000.L	- CONCRETE SLAB ON STEEL DECK
042000.A4	- CONCRETE MASONRY UNIT, 12"
042000.A42	- CONCRETE MASONRY UNIT, 12" SOLID BULLNOSE
042000.B	- CONCRETE MASONRY, BOND BEAM
042000.E3	- FACE BRICK, SILL SPECIAL SHAPE
042000.E6	- FACE BRICK, SHELF BRICK, SOLDIER
042000.GI	- HORIZONTAL JOINT REINFORCING AT 16" O.C. VERT.
042000.K2	- WEEP SLOTS AT 16" O.C.
042000.N	- GROUT SOLID
051200.A	- STRUCTURAL STEEL
051200.B	- STEEL ANGLE, SIZE AS INDICATED
055000.D	- ALTERNATING TREAD STAIR ASSEMBLY, 68 DEGREES
055113.B	- STEEL PAN
055113.C	- CONC. PAN FILL
055113.E	- STEEL STRINGERS
055213.A	- HANDRAIL, 1 1/2" OD, PAINTED STEEL
055213.C	- STEEL GUARDRAIL ASSEMBLY, 42" HIGH, PAINTED
055213.F	- STEEL HANDRAIL ASSEMBLY, 34" HIGH, PAINTED
076200.J	- METAL SILL PAN
076200.K	- METAL FLASHING
079200.A	- SEALANT
079200.E	- COMPRESSIVE FILL
081113.AI	- HOLLOW METAL DOOR (FIRE-RATED)
081113.BI	- HOLLOW METAL FRAME (FIRE-RATED)
084213.A	- STOREFRONT FRAMING, THERMALLY BROKEN
084213.D	- ALUMINUM FRP DOOR
096513.B2	- RESILIENT STAIR TREAD
099123.AI	- PAINT FINISH, INTERIOR SYSTEM
230000.J	- MECH. LOUVER-SEE HVAC DRAWINGS

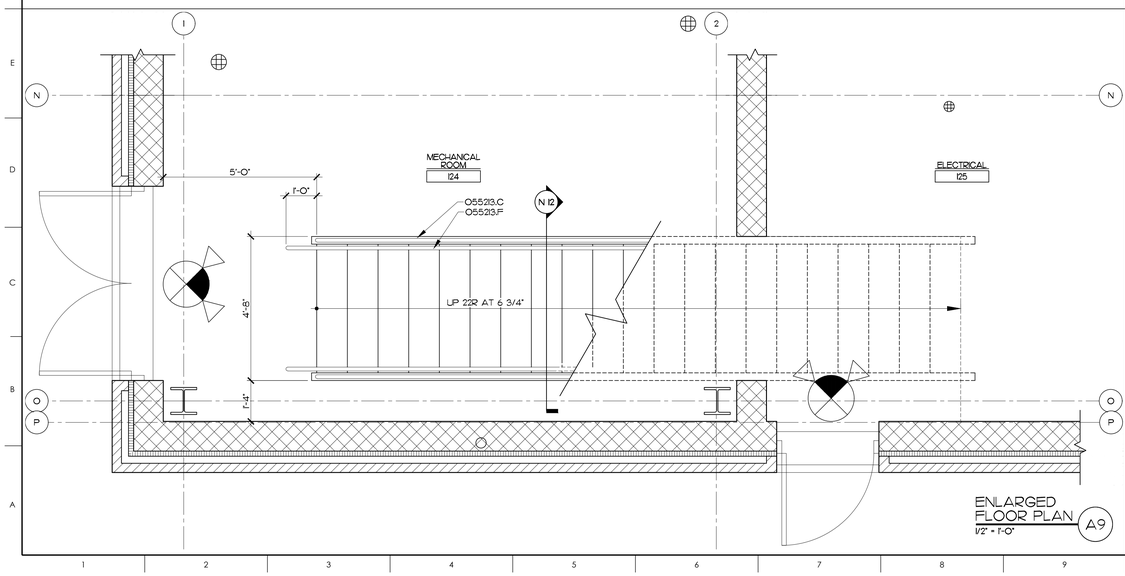
GENERAL NOTES



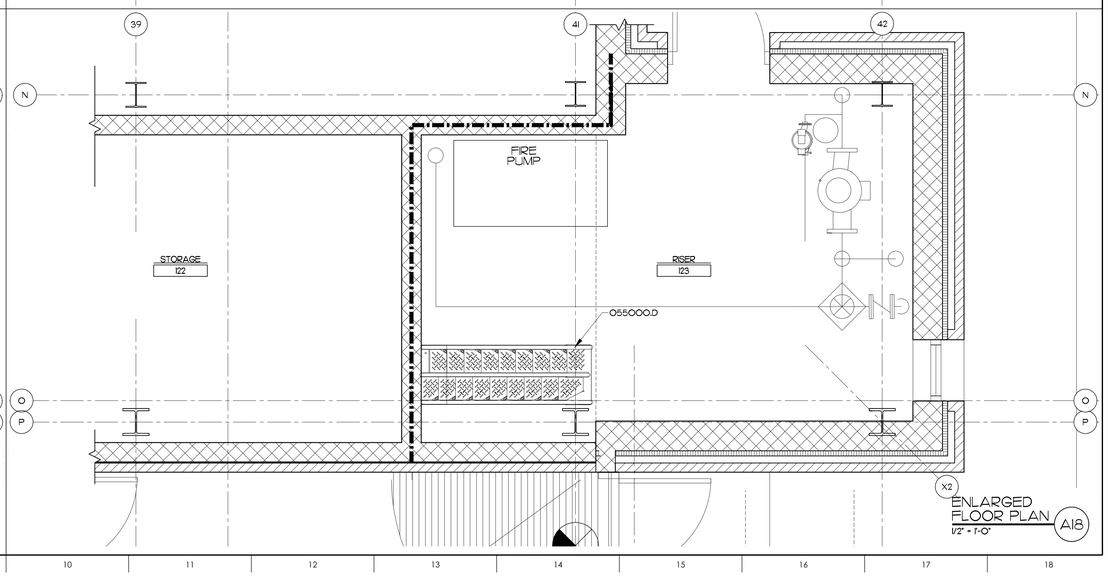
STAIR SECTION
1/2" = 1'-0"



ALTERNATING TREAD STAIR SECTION
1/2" = 1'-0"



ENLARGED
FLOOR PLAN
1/2" = 1'-0"



ENLARGED
FLOOR PLAN
1/2" = 1'-0"

KEY PLAN

SCO ID #22-25191-01A; NCCCS #2675

NO	REVISION	DATE

SEAL

JOHN K. FARKAS
REGISTERED ARCHITECT
5922
3/10/2024

JKF ARCHITECTURE

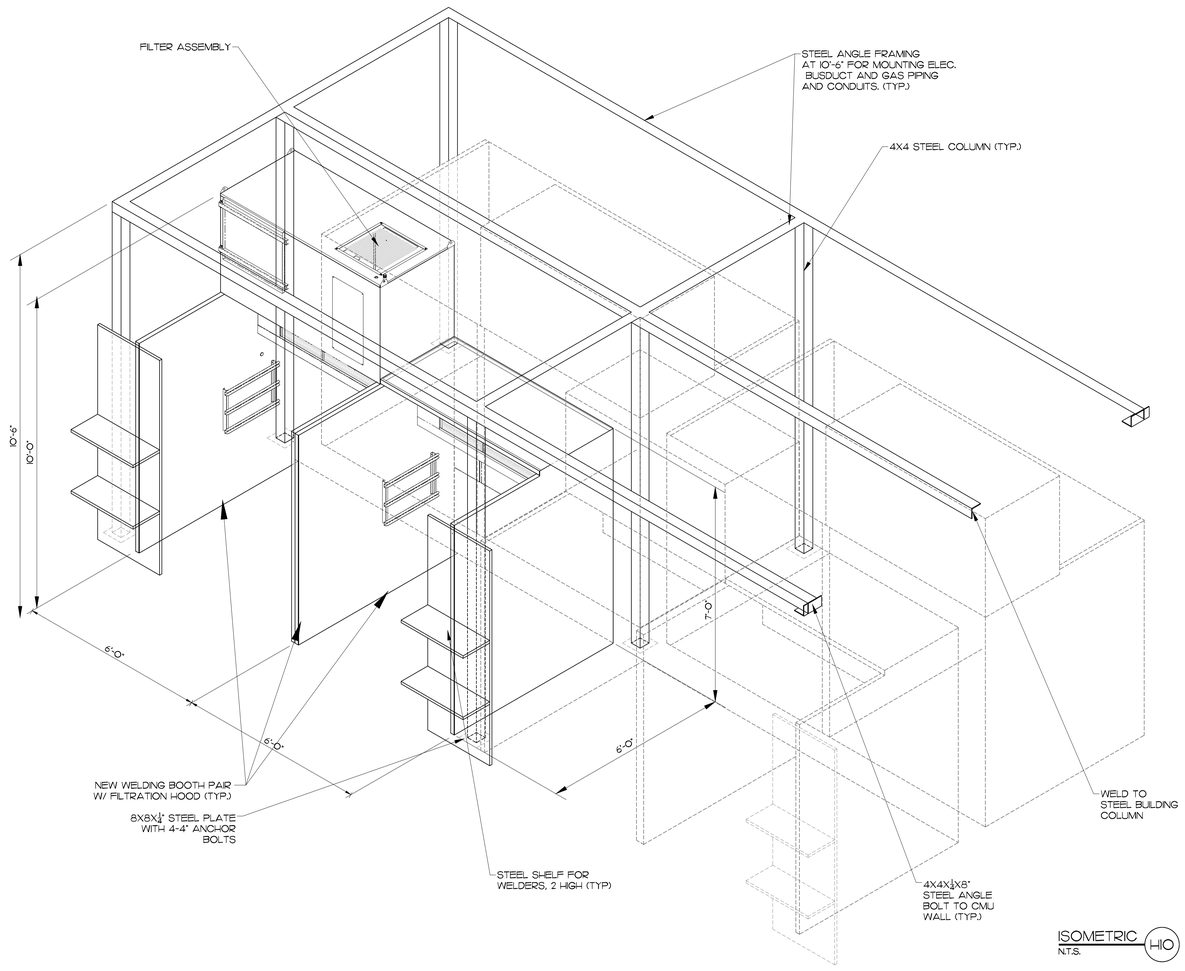
425 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1048

PITT COMMUNITY COLLEGE
NEW WELDING BUILDING

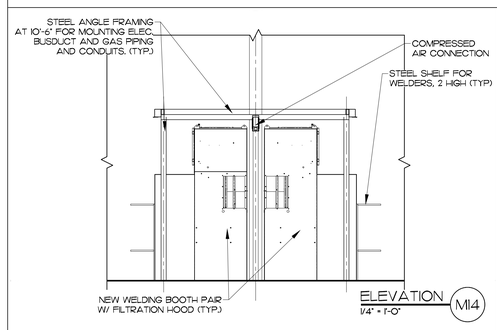
WINTERVILLE, NC

DRAWING TITLE
ENLARGED PLANS, INTERIOR ELEVATIONS & DETAILS

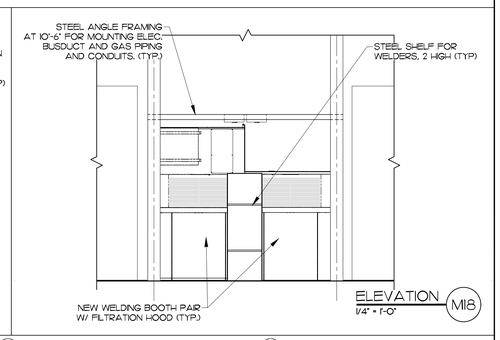
SCALE	AS NOTED
DRAWN	MCZ
CHECKED	JKF
DATE	2-15-2024
PROJECT NO.	2022-07
DRAWING NO.	A4.2



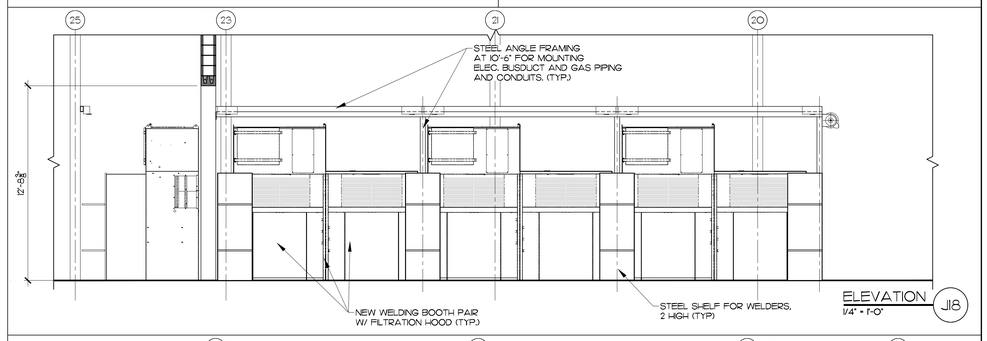
ISOMETRIC H10
N.T.S.



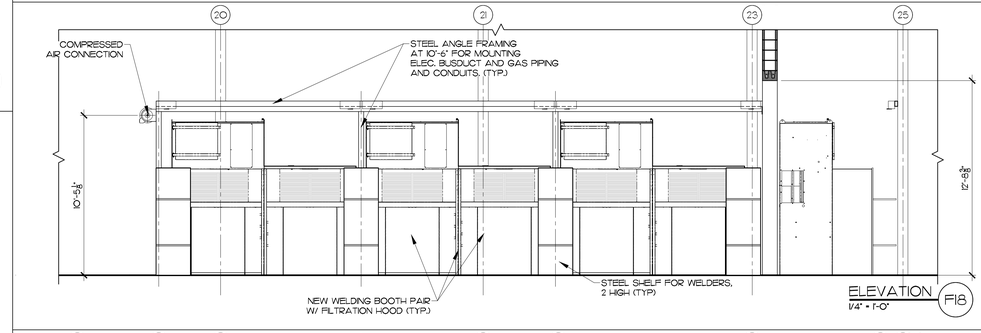
ELEVATION M14
1/4" = 1'-0"



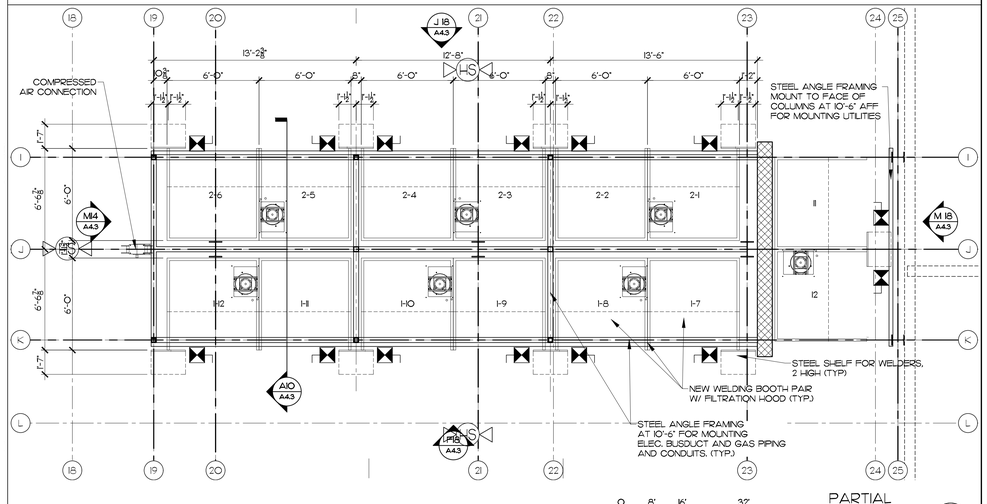
ELEVATION M18
1/4" = 1'-0"



ELEVATION J18
1/4" = 1'-0"

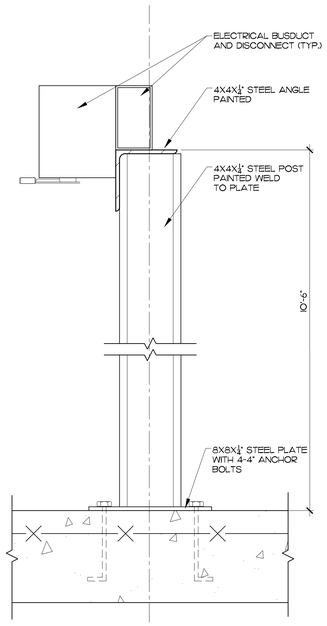


ELEVATION F18
1/4" = 1'-0"

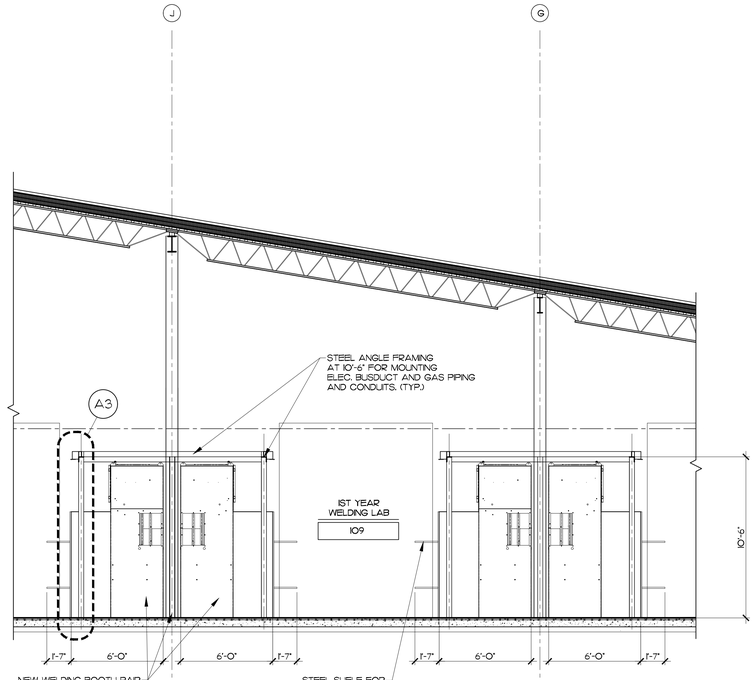


0 8' 16' 32'
SCALE: 1/16" = 1'-0"

PARTIAL FLOOR PLAN A18
1/4" = 1'-0"



POST DETAIL A3
3" = 1'-0"



SECTION A10
1/4" = 1'-0"

MATERIALS KEYING LEGEND

GENERAL NOTES

KEY PLAN

SCO ID #22-25191-01A; NCCCS #2675

NO	REVISION	DATE

SEAL

JOHN K. FARKAS
REGISTERED ARCHITECT
3/10/2024
5822
GREENVILLE, N.C.

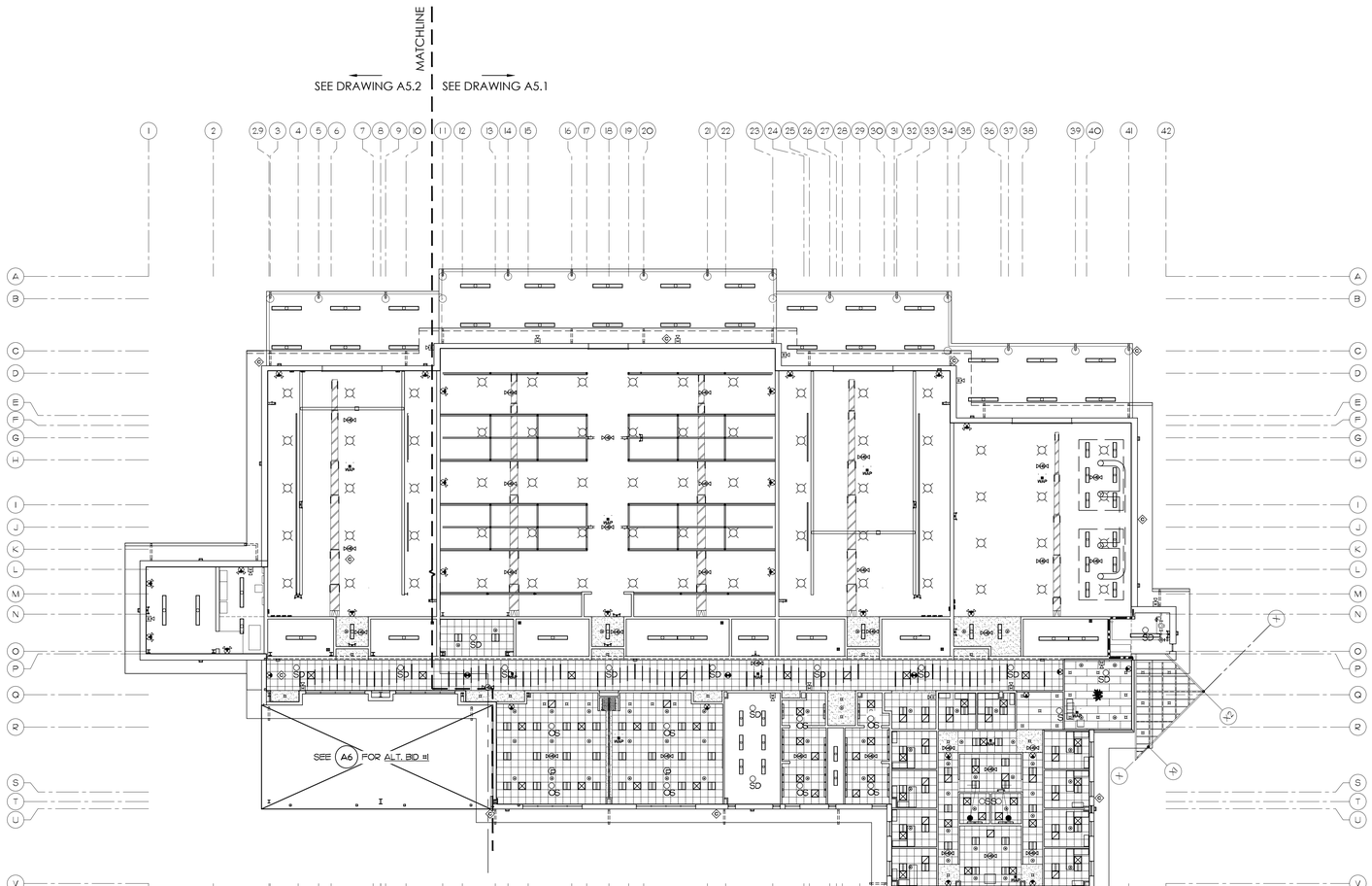
JKF
ARCHITECTURE
625 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

PITT COMMUNITY COLLEGE
NEW WELDING BUILDING
WINTERVILLE, NC

DRAWING TITLE
INTERIOR ELEVATIONS

SCALE	AS NOTED
DRAWN	MCZ
CHECKED	JKF
DATE	2-15-2024
PROJECT NO.	2022-07
DRAWING NO.	A4.3

ALT. BID NO. 1
PARTIAL REFLECTED CEILING PLAN
1/16" = 1'-0"
A6



0 8' 16' 32'
SCALE: 1/16" = 1'-0"

BASE BID
OVERALL REFLECTED CEILING PLAN
1/16" = 1'-0"
A15

MATERIALS KEYING LEGEND

C CAMERA (2 WIRE)

WAP WIRELESS ACCESS POINT (2 WIRE)

P PROJECTOR (3 WIRES)

GENERAL NOTES

KEY PLAN

SCO ID #22-25191-01A; NCCCS #2675

NO	REVISION	DATE

SEAL
JOHN K. FARKAS
REGISTERED ARCHITECT
8/10/2024
GREENVILLE, N.C.

JKF ARCHITECTURE

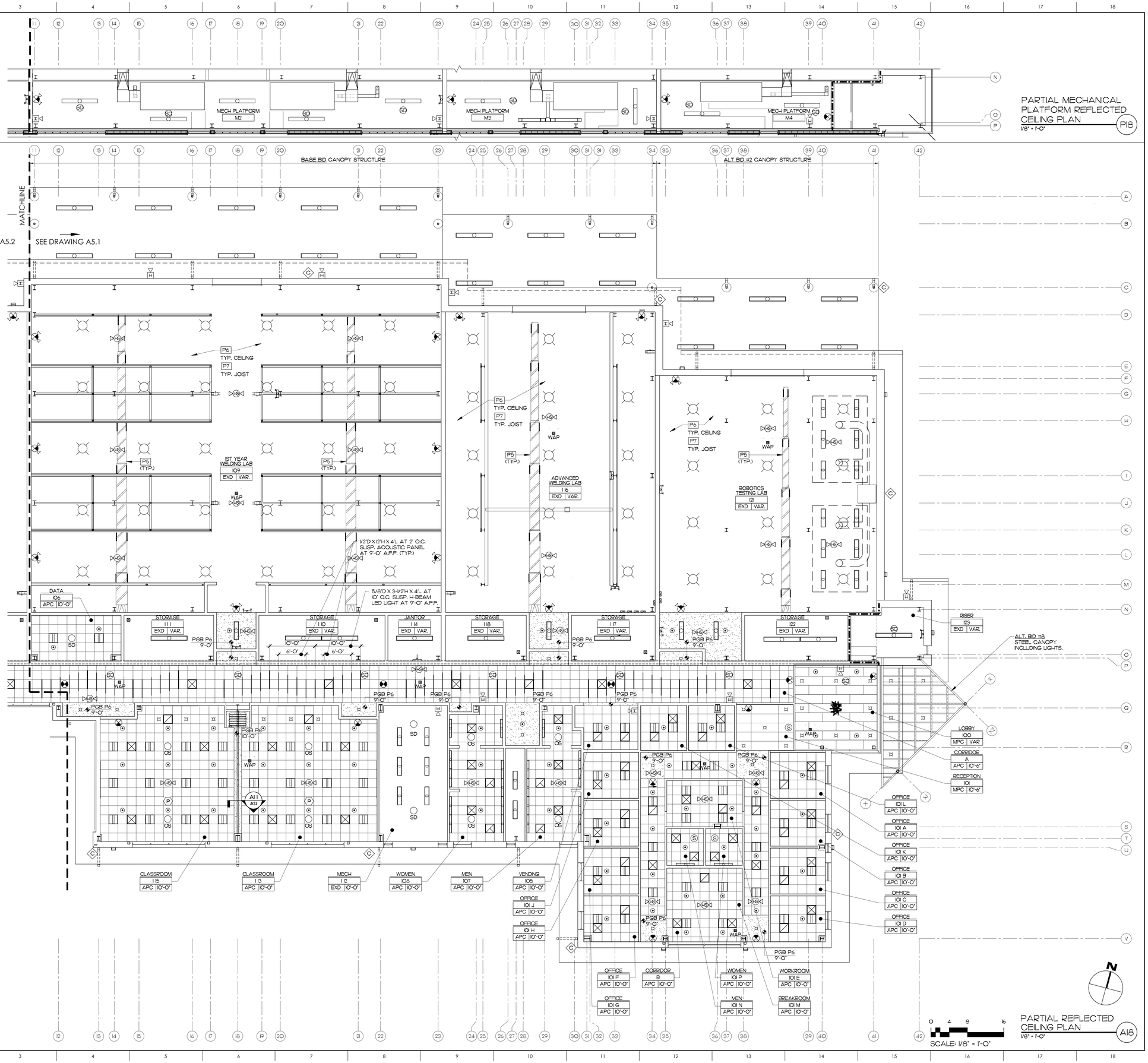
425 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

PITT COMMUNITY COLLEGE
NEW WELDING BUILDING
WINTERVILLE, NC

DRAWING TITLE
OVERALL REFLECTED CEILING PLAN, ALT. BID NO. 1
PARTIAL REFLECTED CEILING PLAN

SCALE	1/16" = 1'-0"
DRAWN	MCZ
CHECKED	JKF
DATE	2-15-2024
PROJECT NO.	2022-07

DRAWING NO
A5.0



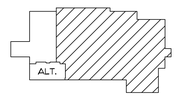
PARTIAL MECHANICAL PLATFORM REFLECTED CEILING PLAN P18
1/8" = 1'-0"

MATERIALS KEYING LEGEND

C CAMERA (2 WIRE)
WAP WIRELESS ACCESS POINT (2 WIRE)
P PROJECTOR (3 WIRES)

GENERAL NOTES

KEY PLAN



SCO ID #22-25191-01A; NCCCS #2675

NO	REVISION	DATE

SEAL
JOHN K. FARKAS NORTH CAROLINA REGISTERED ARCHITECT 3/19/2024 GREENVILLE, N.C.

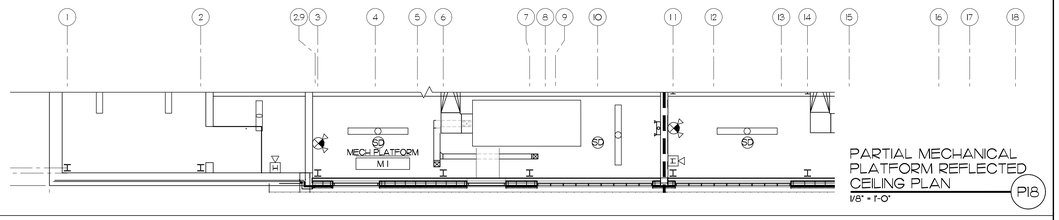
JKF ARCHITECTURE
625 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

PITT COMMUNITY COLLEGE
NEW WELDING BUILDING
WINTERVILLE, NC

DRAWING TITLE
PARTIAL REFLECTED CEILING PLANS

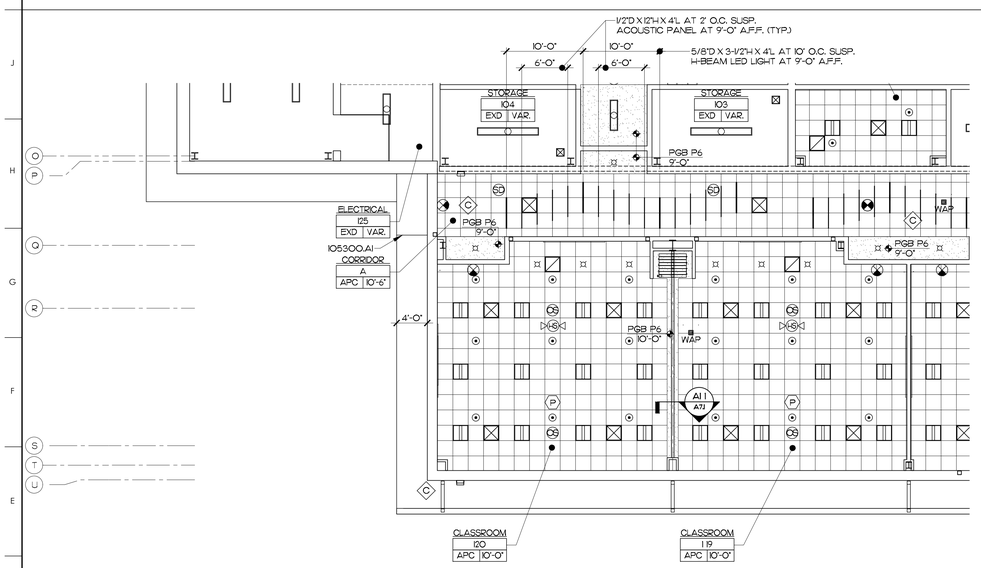
SCALE	1/8" = 1'-0"
DRAWN	MCZ
CHECKED	JKF
DATE	2-15-2024
PROJECT NO.	2022-07

DRAWING NO. A5.1



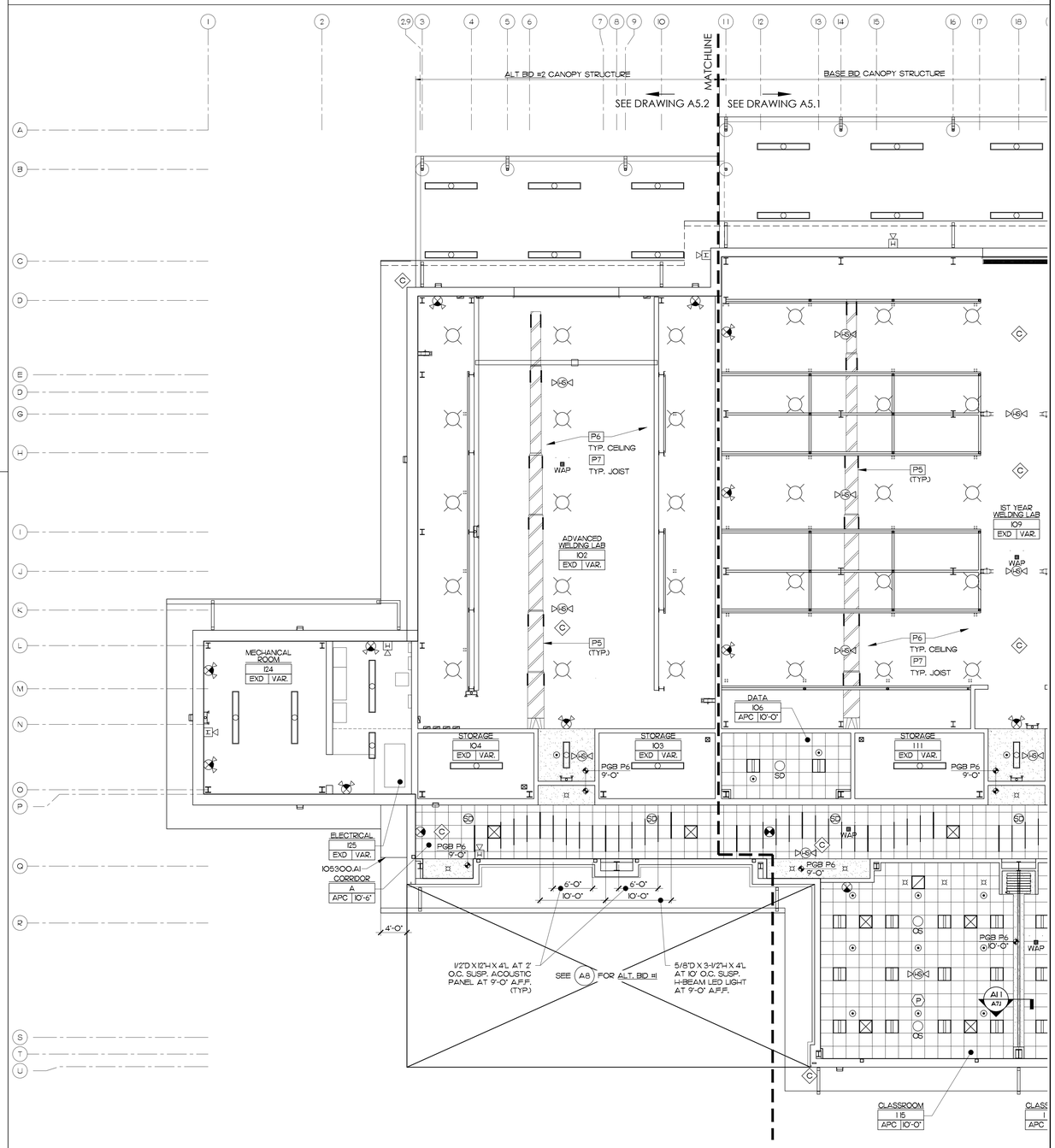
PARTIAL MECHANICAL PLATFORM REFLECTED CEILING PLAN P18

1/8" = 1'-0"



ALT. BID NO. 1
PARTIAL REFLECTED CEILING PLAN A8

1/8" = 1'-0"



0 4 8 16

SCALE: 1/8" = 1'-0"

PARTIAL REFLECTED CEILING PLAN A18

1/8" = 1'-0"

MATERIALS KEYING LEGEND

105300.A1 - ALUMINUM CANOPY ASSEMBLY, CANTILEVERED

C CAMERA (2 WIRE)

WAP WIRELESS ACCESS POINT (2 WIRE)

P PROJECTOR (3 WIRES)

GENERAL NOTES

KEY PLAN

SCO ID #22-25191-01A; NCCCS #2675

NO	REVISION	DATE

SEAL

JOHN K. FARKAS REGISTERED ARCHITECT 3/10/2024 GREENVILLE, N.C.

JKF ARCHITECTURE

825 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

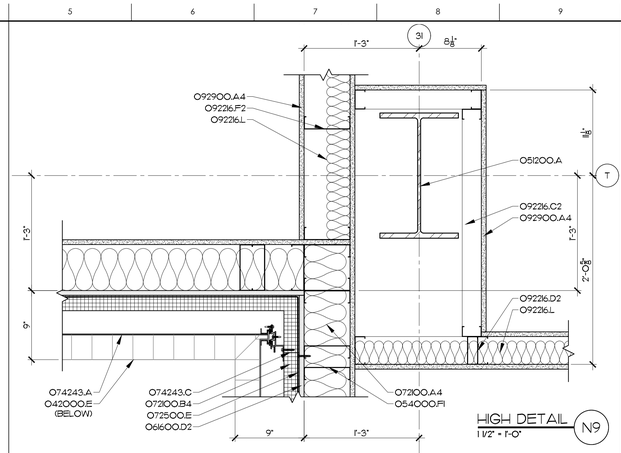
PITT COMMUNITY COLLEGE
NEW WELDING BUILDING

WINTERVILLE, NC

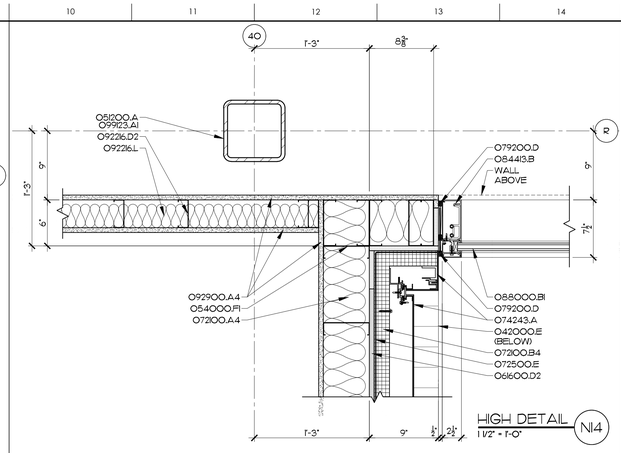
DRAWING TITLE
PARTIAL REFLECTED CEILING PLAN
ALT. BID NO. 1
PARTIAL REFLECTED CEILING PLAN

SCALE	1/8" = 1'-0"
DRAWN	MCZ
CHECKED	JKF
DATE	2-15-2024
PROJECT NO.	2022-07

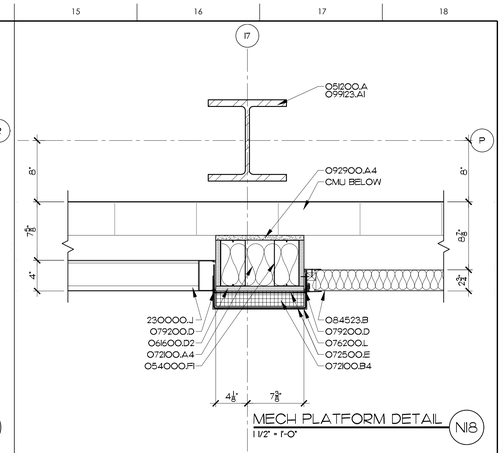
DRAWING NO. A5.2



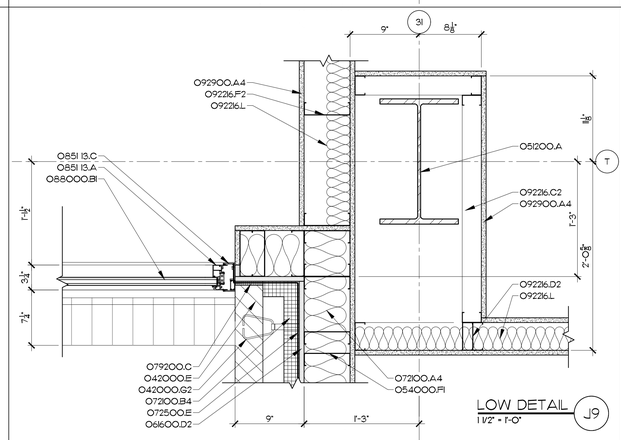
HIGH DETAIL N9
1 1/2" = 1'-0"



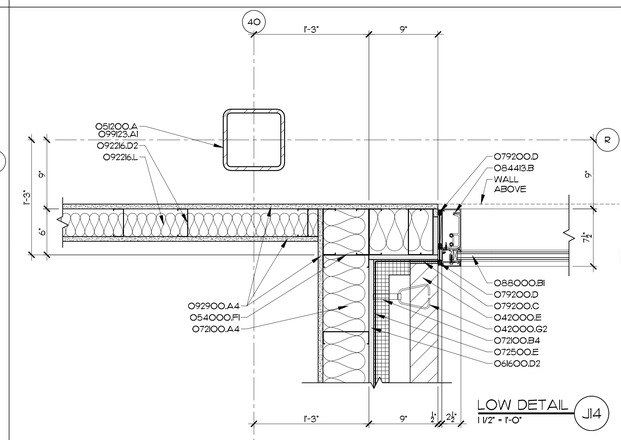
HIGH DETAIL N14
1 1/2" = 1'-0"



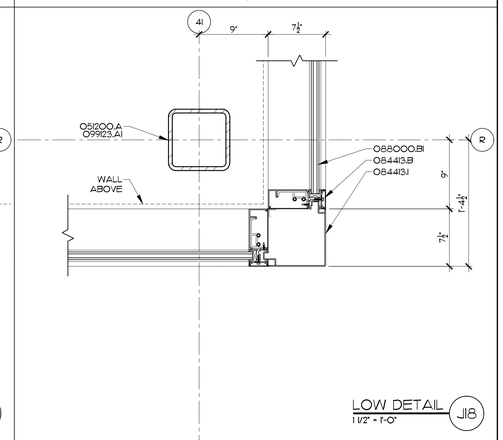
MECH PLATFORM DETAIL N18
1 1/2" = 1'-0"



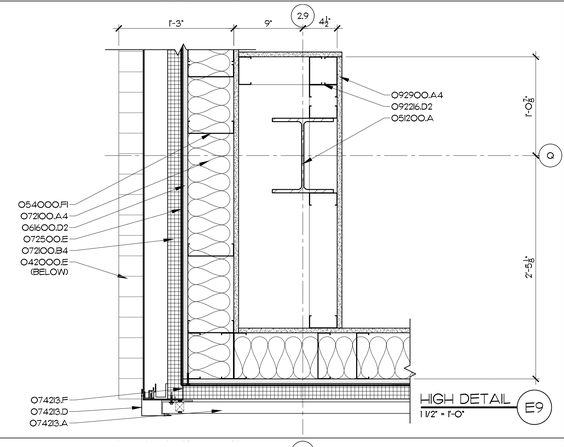
LOW DETAIL J9
1 1/2" = 1'-0"



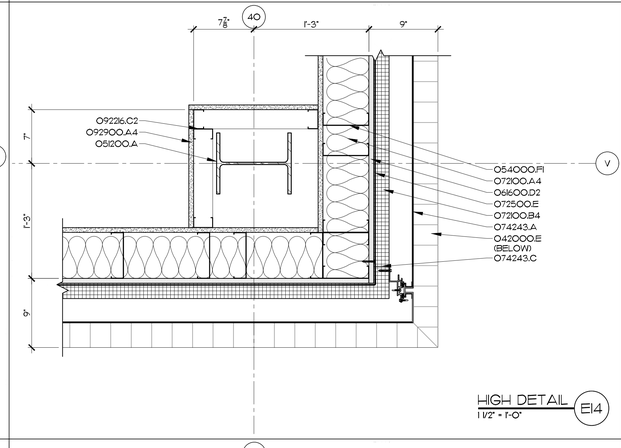
LOW DETAIL J14
1 1/2" = 1'-0"



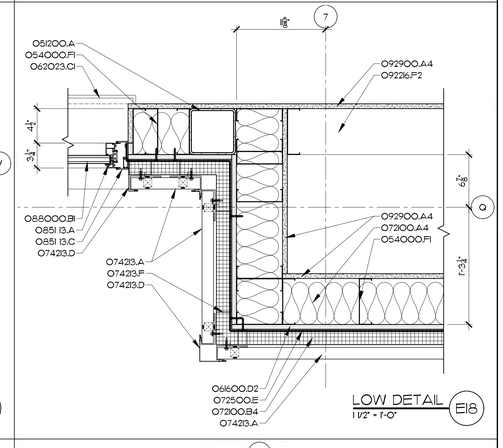
LOW DETAIL J18
1 1/2" = 1'-0"



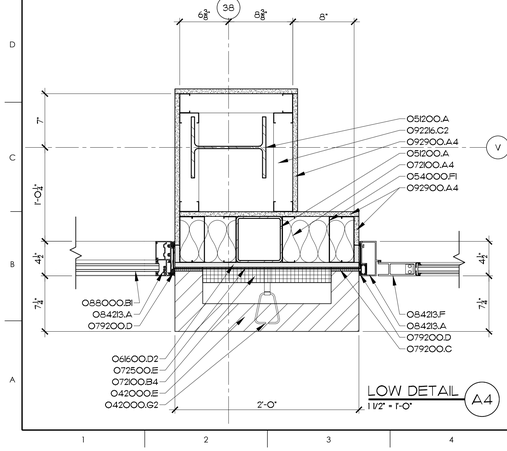
HIGH DETAIL E9
1 1/2" = 1'-0"



HIGH DETAIL E14
1 1/2" = 1'-0"



LOW DETAIL E18
1 1/2" = 1'-0"



LOW DETAIL A4
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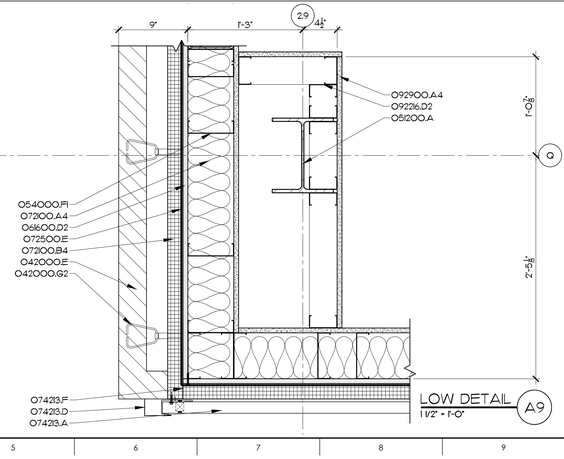
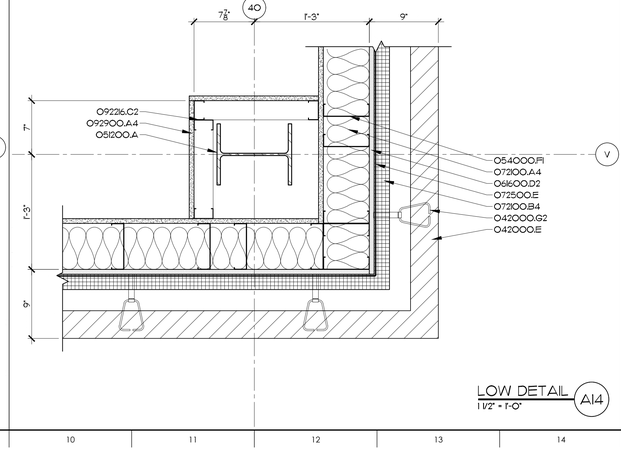
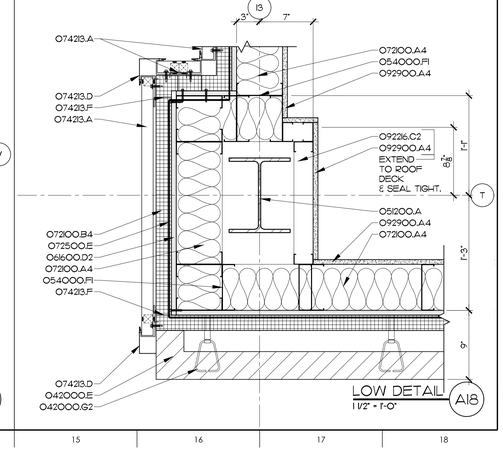


LOW DETAIL A9
1 1/2" = 1'-0"



LOW DETAIL A14
1 1/2" = 1'-0"



LOW DETAIL A18
1 1/2" = 1'-0"

MATERIALS KEYING LEGEND

O42000.E	-FACE BRICK
O42000.G2	-ADJ. BRICK TIES AT 16" OC VERT., 24" O.C. HORIZ.
O5I200.A	-STRUCTURAL STEEL, SEE STRUCTURAL DRAWINGS
O54000.FI	-COLD FORMED METAL FRAMING, 6" STUD AT 16" O.C.
O6I600.D2	-GLASS-MAT GYPSUM SHEATHING, 5/8" THICK
O62023.CI	-INTERIOR WOOD TRIM, WINDOW SILL, TRANSPARENT FINISH
O72I00.A4	-R-19 BATT INSULATION
O72I00.B4	-2" RIGID INSULATION
O725OO.E	-BUILDING WRAP
O7423.A	-METAL WALL PANEL
O7423.D	-METAL CLOSURE TRIM
O7423.F	-2" METAL Z-FURRING CHANNEL, 16" O.C.
O7424.A	-COMPOSITE WALL PANEL, FLUSH PANEL W/REVEAL
O7424.C	-2" METAL Z-FURRING CHANNEL, 16" O.C.
O762OO.L	-METAL FASCIA
O792OO.C	-COMPRESSIBLE SEALER W/ADHESIVE
O792OO.D	-BACKER ROD & SEALANT
O8423.A	-STOREFRONT FRAMING, THERMALLY BROKEN
O8423.F	-ALUMINUM STILE & RAIL DOOR
O8443.B	-ALUMINUM CURTAIN WALL FRAMING
O8453.I	-ALUMINUM CURTAIN WALL FRAMING, CORNER MULLION
O8452.3.B	-FIBERGLASS-SANDWICH PANEL ASSEMBLY, 2-3/4" THICK
O85I I3.A	-ALUMINUM WINDOW ASSEMBLY
O85I I3.C	-METAL SUB FRAME
O88000.BI	-1" INSULATING GLASS-LOW E
O9226.C2	-2 1/2" METAL STUDS AT 16" O.C.
O9226.D2	-3 5/8" METAL STUDS AT 16" O.C.
O9226.F2	-6" METAL STUDS AT 16" O.C.
O9226.J3	-2" Z-FURRING CHANNEL
O9226.L	-ACOUSTICAL BLANKET, THICKNESS AS NOTED IN PARTITION TYPES
O92900.A4	-5/8" GYPSUM WALLBOARD
O9923.AI	-PAINT FINISH, INTERIOR SYSTEM
230000.J	-MECH. LOUVER-SEE HVAC DRAWINGS

GENERAL NOTES

C CAMERA (2 WIRE)

KEY PLAN

SCO ID #22-25191-01A; NCCCS #2675

NO	REVISION	DATE

SEAL

JOHN K. FARKAS
REGISTERED ARCHITECT
2/10/2024
SEAL
JOHN K. FARKAS
GREENVILLE, N.C.

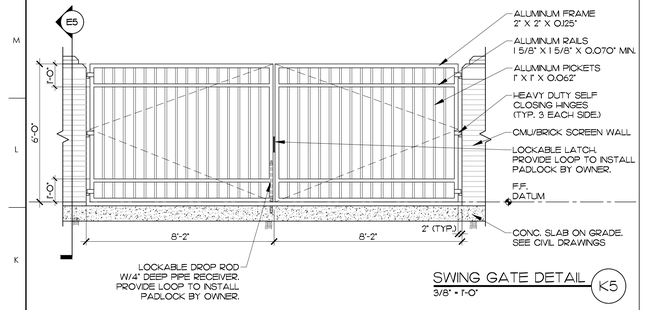
JKF
ARCHITECTURE
625 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

PITT COMMUNITY COLLEGE
NEW WELDING BUILDING

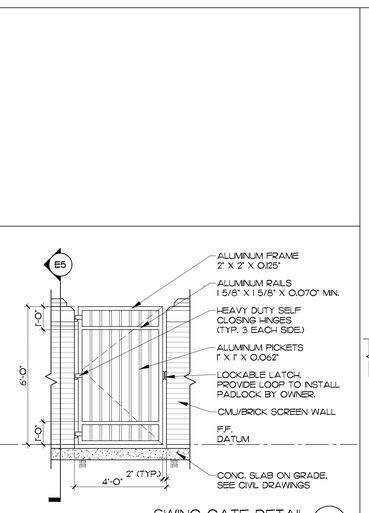
WINTERVILLE, NC

DRAWING TITLE
PLAN DETAILS

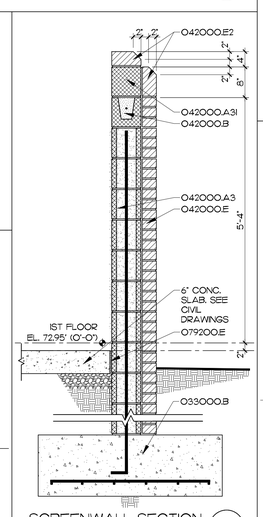
SCALE	1 1/2" = 1'-0"
DRAWN	JRH
CHECKED	JKF
DATE	2-15-2024
PROJECT NO.	2022-07
DRAWING NO.	A6.1



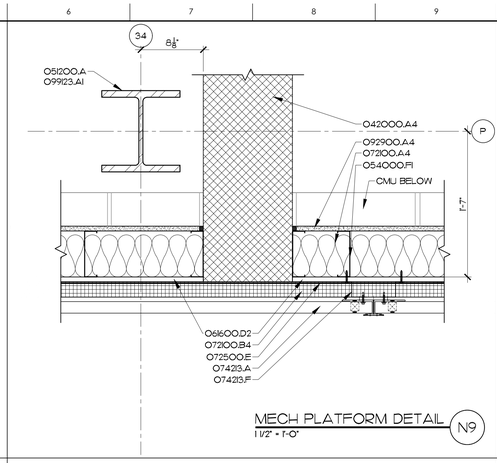
SWING GATE DETAIL K5
3/8" = 1'-0"



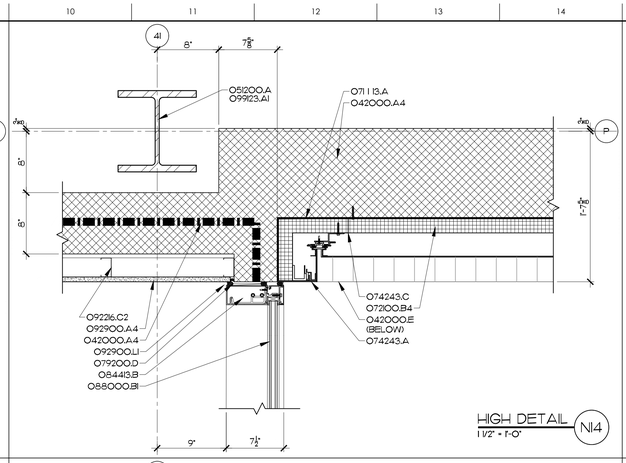
SWING GATE DETAIL E3
3/8" = 1'-0"



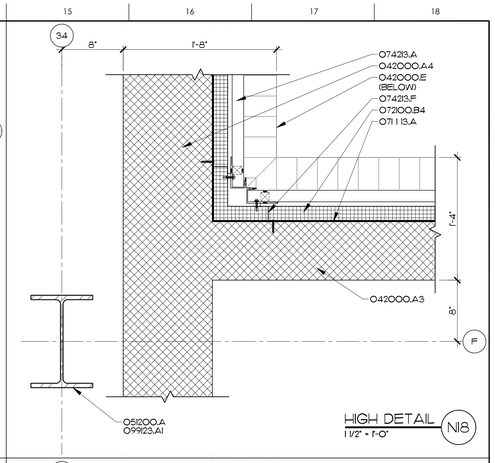
SCREENWALL SECTION E5
3/4" = 1'-0"



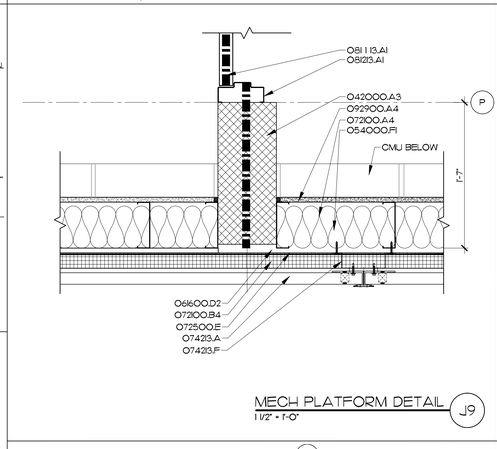
MECH PLATFORM DETAIL N9
1 1/2" = 1'-0"



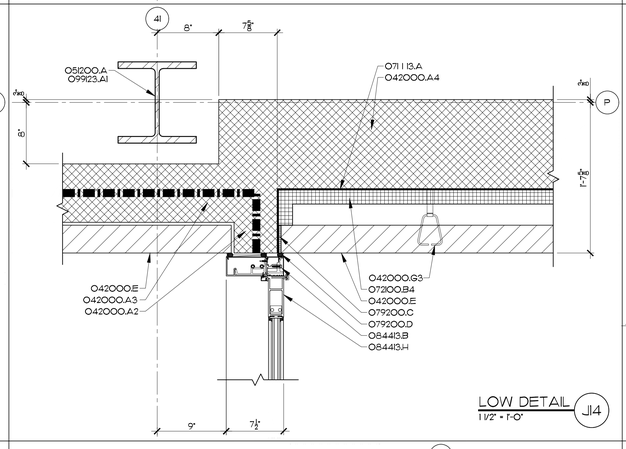
HIGH DETAIL N14
1 1/2" = 1'-0"



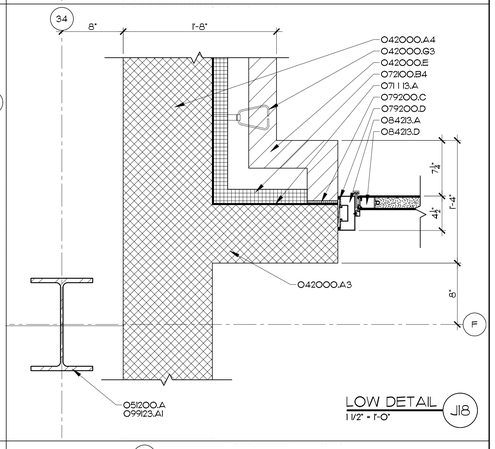
HIGH DETAIL N18
1 1/2" = 1'-0"



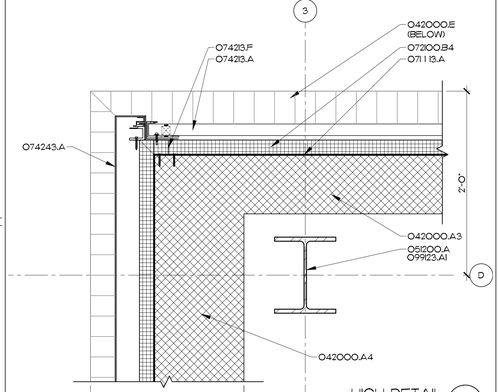
MECH PLATFORM DETAIL J9
1 1/2" = 1'-0"



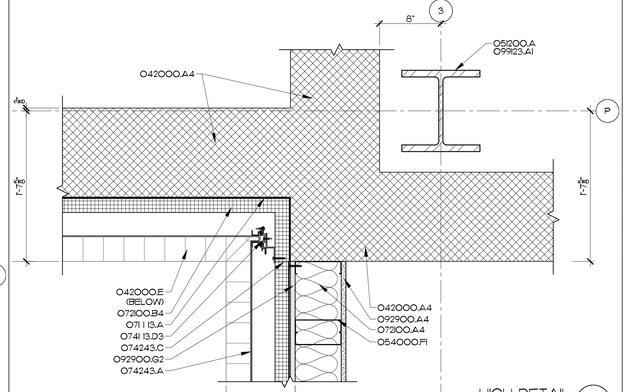
LOW DETAIL J14
1 1/2" = 1'-0"



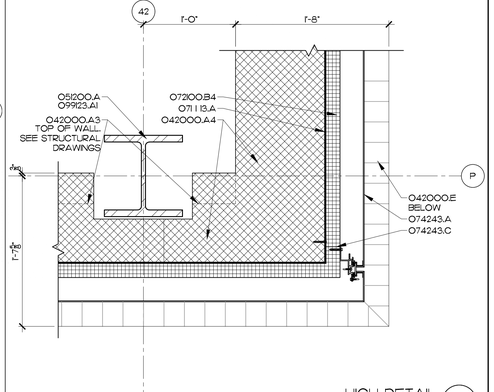
LOW DETAIL J18
1 1/2" = 1'-0"



HIGH DETAIL E9
1 1/2" = 1'-0"



HIGH DETAIL E14
1 1/2" = 1'-0"



HIGH DETAIL E18
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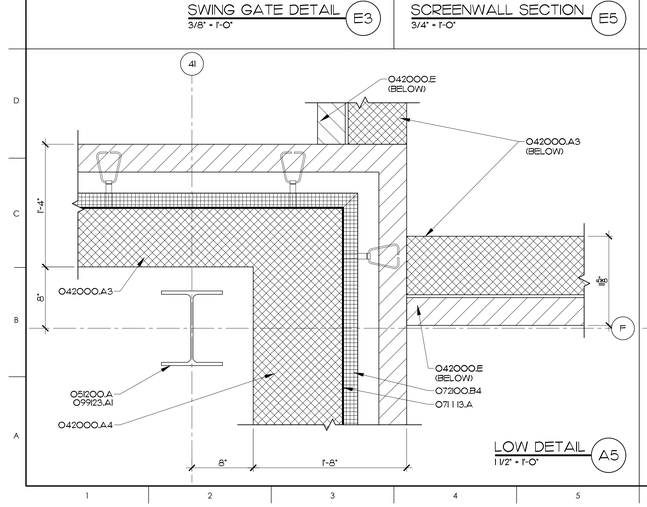
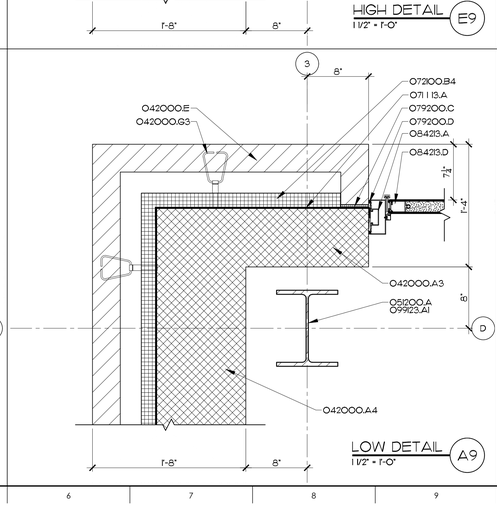
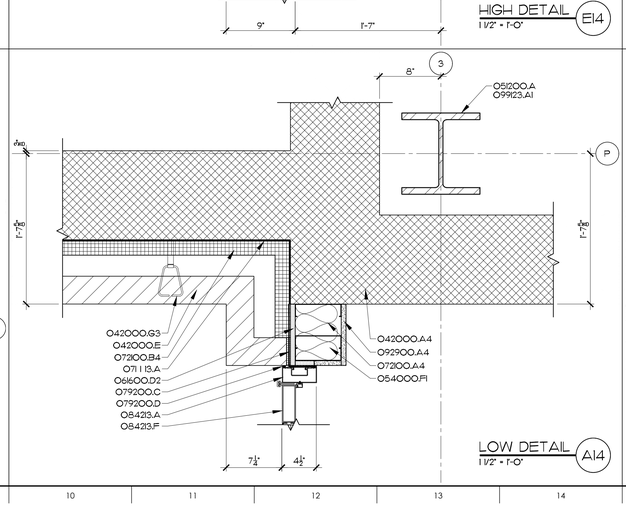


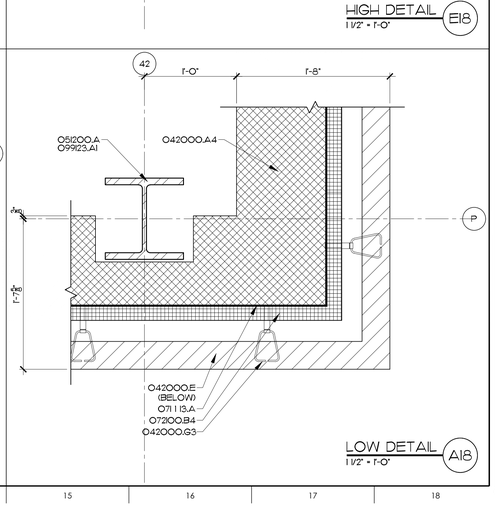
LOW DETAIL A5
1 1/2" = 1'-0"



LOW DETAIL A9
1 1/2" = 1'-0"



LOW DETAIL A14
1 1/2" = 1'-0"



LOW DETAIL A18
1 1/2" = 1'-0"

MATERIALS KEYING LEGEND

O33000.A	- CONCRETE SLAB ON GRADE, SEE STRUCTURAL
O33000.B	- CONCRETE FOOTING, SEE STRUCTURAL
	- CONCRETE MASONRY UNIT
O42000.A2	- CONCRETE MASONRY UNIT, 6"
O42000.A3	- CONCRETE MASONRY UNIT, 8"
O42000.A3I	- CONCRETE MASONRY UNIT, 8" SOLID
O42000.A4	- CONCRETE MASONRY UNIT, 12"
O42000.B	- CONCRETE MASONRY, BOND BEAM
O42000.E	- FACE BRICK
O42000.E2	- FACE BRICK, SPECIAL SHAPE
O42000.E4	- FACE BRICK, SOLDIER COURSE
	- HORIZONTAL JOINT REINFORCING AT 16" O.C. VERT.
O42000.G2	- ADJ. BRICK TIES AT 16" OC VERT., 24" O.C. HORIZ.
O42000.G3	- HORIZONTAL JOINT REINF. AT 16" VERT. & BRICK TIE EYES AT 24" O.C. HORIZ.
O5120O.A	- STRUCTURAL STEEL, SEE STRUCTURAL DRAWINGS
O54000.D	- COLD FORMED METAL FRAMING, 3-5/8" STUD
O54000.DI	- COLD FORMED METAL FRAMING, 3-5/8" STUD AT 16" O.C.
O54000.FI	- COLD FORMED METAL FRAMING, 6" STUD AT 16" O.C.
O6160O.D2	- GLASS-MAT GYPSUM SHEATHING, 5/8" THICK
O711 I3.A	- BITUMINOUS DAMPROOFING
O7200.A4	- R-19 BATT INSULATION
O7200.B4	- 2" RIGID INSULATION
O7250O.E	- BUILDING WRAP
O741 I3.D3	- Z-CLOSURE TRIM W/SEALS
O7421З.A	- METAL WALL PANEL
O7421З.F	- 2" METAL Z-FURRING CHANNEL, 16" O.C.
O7424З.A	- COMPOSITE WALL PANEL, FLUSH PANEL W/REVEAL
O7424З.C	- 2" METAL Z-FURRING CHANNEL, 16" O.C.
O7920O.C	- COMPRESSIBLE SEALER W/ADHESIVE
O7920O.D	- BACKER ROD & SEALANT
O7920O.E	- COMPRESSIVE FILL
O81 I3.AI	- HOLLOW METAL DOOR (FIRE-RATED)
O8121З.AI	- HOLLOW METAL FRAME (FIRE-RATED)
O8421З.A	- STOREFRONT FRAMING, THERMALLY BROKEN
O8421З.D	- ALUMINUM FRP DOOR
O8421З.F	- ALUMINUM STILE & RAIL DOOR
O8441З.B	- ALUMINUM CURTAIN WALL FRAMING
O8441З.H	- ALUMINUM STILE AND RAIL DOOR
O88000.BI	- 1" INSULATING GLASS-LOW E
O9221б.C	- 2 1/2" METAL STUD FRAMING
O9221б.C2	- 2 1/2" METAL STUD FRAMING @16"O.C.
O9290O.A4	- 5/8" GYPSUM WALLBOARD
O9290O.G2	- GLASS-MAT SHEATHING GYPSUM BOARD, 5/8" THICK
O9290O.LI	- J-BEAD
O9912З.AI	- PAINT FINISH, INTERIOR SYSTEM

GENERAL NOTES

KEY PLAN

SCO ID #22-25191-01A; NCCCS #2675

NO	REVISION	DATE

SEAL: JOHN K. FARKAS, REGISTERED ARCHITECT, 3/19/2024, GREENVILLE, N.C.

JKF ARCHITECTURE

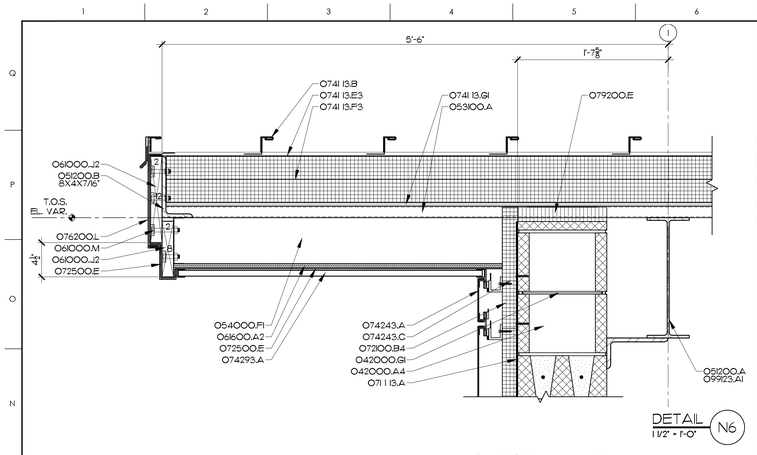
625 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

PITT COMMUNITY COLLEGE
NEW WELDING BUILDING

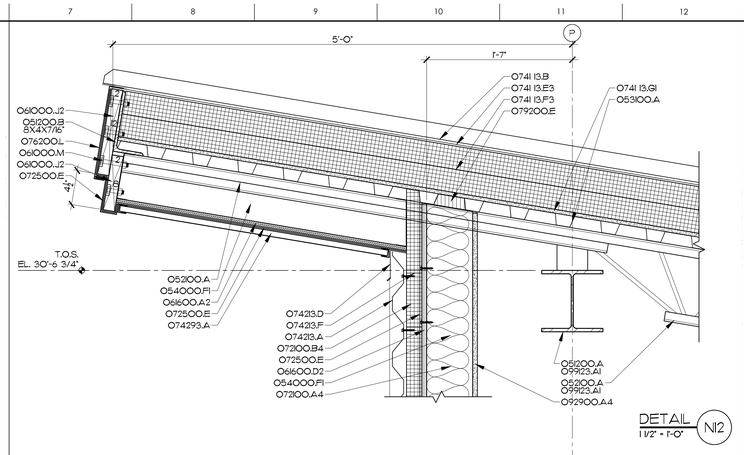
WINTERVILLE, NC

DRAWING TITLE: EXTERIOR DETAILS

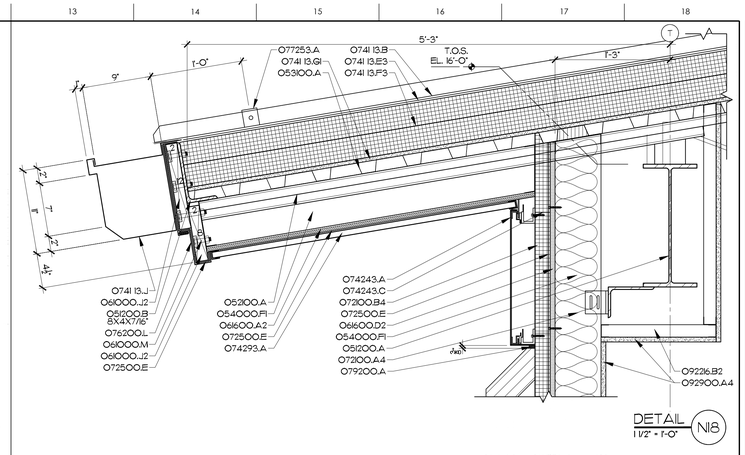
SCALE: AS NOTED	DRAWING NO: A6.2
DRAWN: JRH	
CHECKED: JKF	
DATE: 2-15-2024	
PROJECT NO: 2022-07	



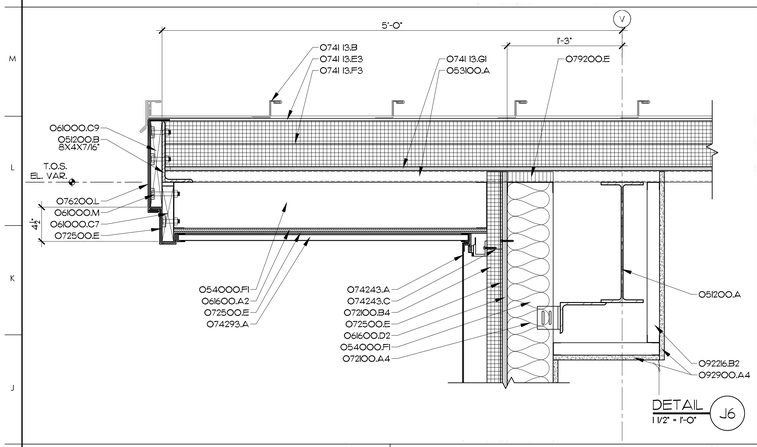
DETAIL N6
1 1/2" = 1'-0"



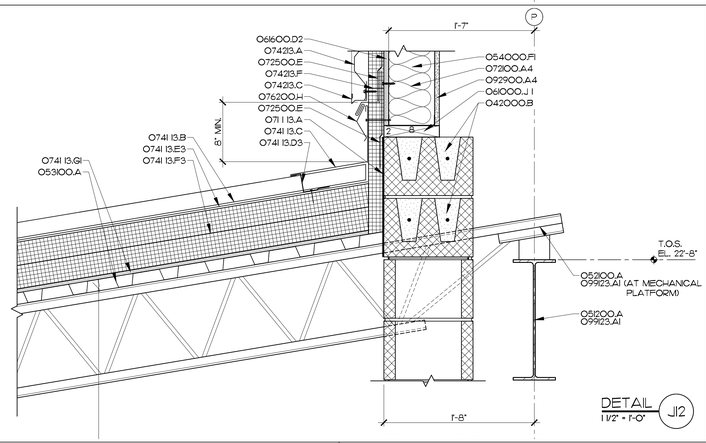
DETAIL N12
1 1/2" = 1'-0"



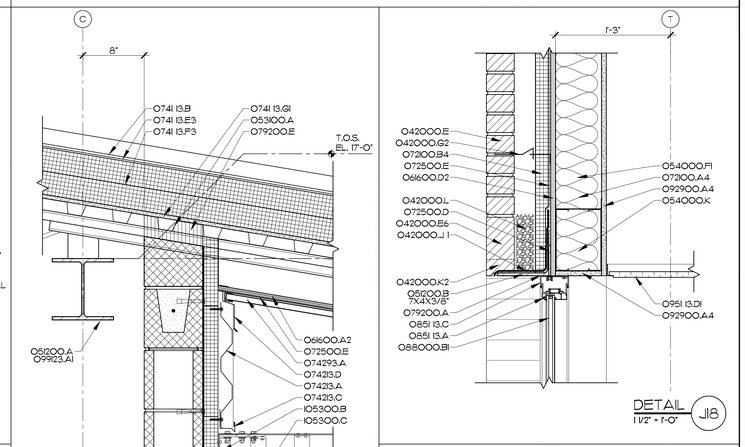
DETAIL N18
1 1/2" = 1'-0"



DETAIL J6
1 1/2" = 1'-0"

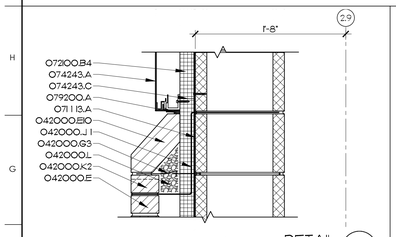


DETAIL J12
1 1/2" = 1'-0"



DETAIL J15
1 1/2" = 1'-0"

DETAIL J18
1 1/2" = 1'-0"



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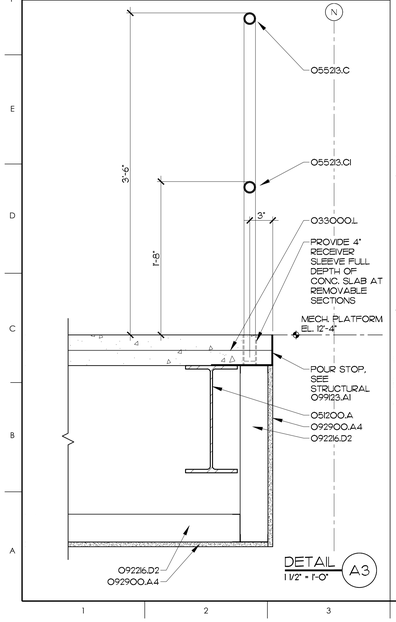
1 1/2" = 1'-0"



DETAIL A3
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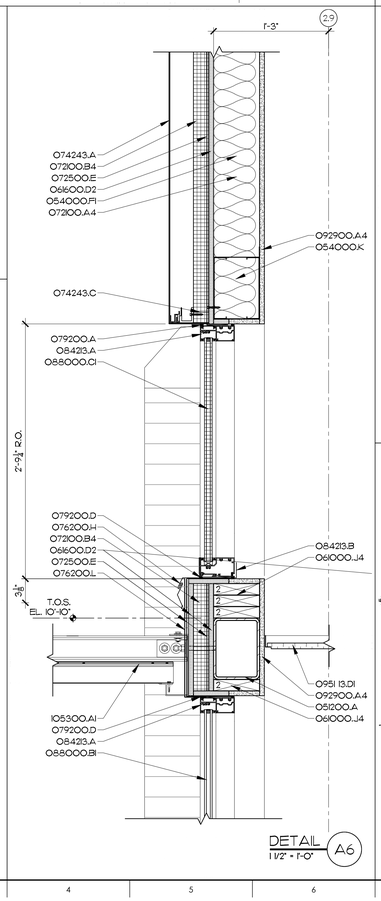
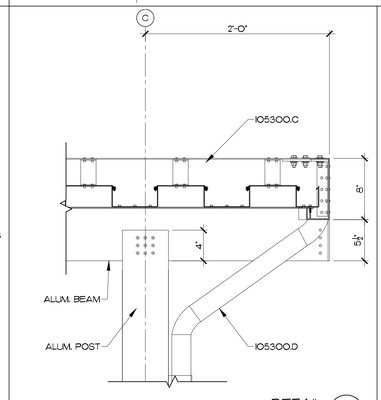
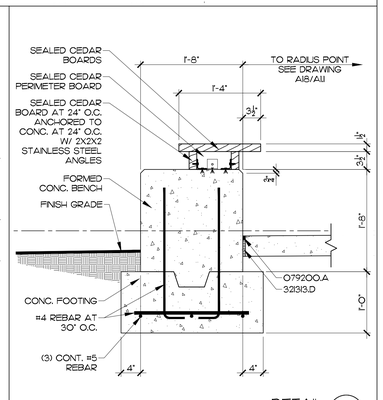


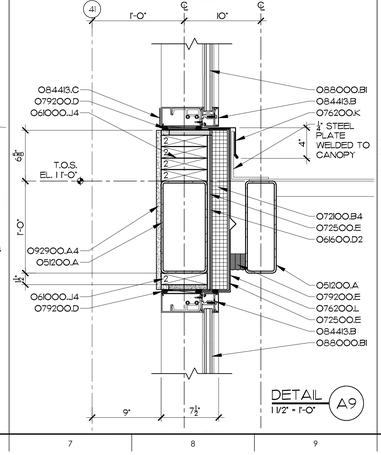
DETAIL A6
1 1/2" = 1'-0"



DETAIL E9
1 1/2" = 1'-0"



DETAIL E12
1" = 1'-0"



DETAIL A9
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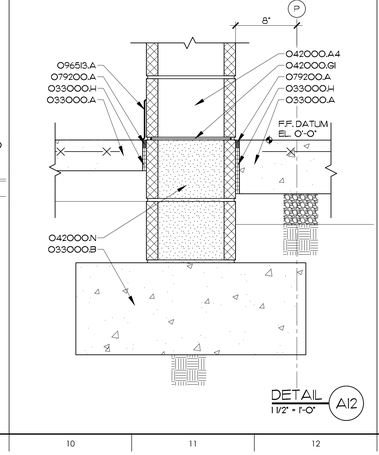

DETAIL A12
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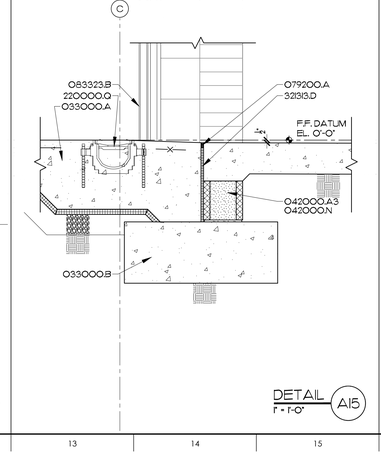

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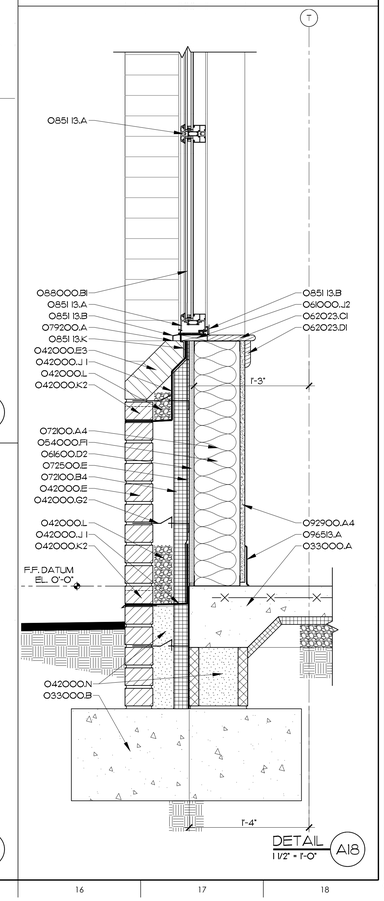
1" = 1'-0"



DETAIL A18
1 1/2" = 1'-0"

MATERIALS KEYING LEGEND

033000.A	-CONCRETE SLAB ON GRADE, SEE STRUCTURAL
033000.B	-CONCRETE FOOTING, SEE STRUCTURAL
033000.H	-COMPRESSIBLE FILL
033000.L	-CONCRETE SLAB ON STEEL DECK, SEE STRUCTURAL
042000.A3	-CONCRETE MASONRY UNIT, 8"
042000.A4	-CONCRETE MASONRY UNIT, 12"
042000.B	-CONCRETE MASONRY, BOND BEAM
042000.E	-FACE BRICK
042000.E3	-FACE BRICK, SILL SPECIAL SHAPE
042000.E6	-FACE BRICK, SHELF BRICK, SOLDIER COURSE
042000.EIO	-FACE BRICK, SOLDIER COURSE SILL, SPECIAL SHAPE
042000.GI	-HORIZONTAL JOINT REINFORCING AT 16" O.C. VERT.
042000.G2	-ADJ. BRICK TIES AT 16" OC VERT., 24" O.C. HORIZ.
042000.G3	-HORIZONTAL JOINT REINF. AT 16" VERT. & BRICK TIE EYES AT 24" O.C. HORIZ.
042000..J 1	-THRU-WALL FABRIC FLASHING
042000.K2	-WEEP SLOTS AT 16" O.C.
042000.L	-CAVITY DRAINAGE MATERIAL
042000.N	-GROUT SOLID
051200.A	-STRUCTURAL STEEL, SEE STRUCTURAL DRAWINGS
051200.B	-STEEL ANGLE, SIZE AS INDICATED
052100.A	-STEEL BAR JOIST, SEE STRUCTURAL DRAWINGS
053100.A	-ROOF DECK
054000.FI	-COLD FORMED METAL FRAMING, 6" STUD AT 16" O.C.
054000.K	-BOX HEADER
055213.C	-STEEL GUARDRAIL ASSEMBLY, 42" HIGH, PAINTED
055213.CI	-INTERMEDIATE STEEL RAILS - 1 1/2" O.D., PAINTED
061000..J 1	-WOOD BLOCKING, SIZE AS NOTED
061000..J2	-WOOD BLOCKING, PRESSURE TREATED
061000..J4	-WOOD BLOCKING, 2X
061000.M	-1/2" DIA. BOLT COUNTERSUNK AT 16" O.C. STAGGERED
066100.A2	-PLYWOOD SHEATHING, 1/2" THICK
066100.D2	-GLASS-MAT GYPSUM SHEATHING, 5/8" THICK
062023.CI	-INTERIOR WOOD TRIM, WINDOW SILL, TRANSPARENT FINISH
062023.DI	-INTERIOR WOOD TRIM, APRON, TRANSPARENT FINISH
071 I 13.A	-BITUMINOUS DAMPROOFING
072100.A4	-R-19 BATT INSULATION
072100.B4	-2" RIGID INSULATION
072500.D	-SELF-ADHERING SHEET
072500.E	-BUILDING WRAP
074113.B	-METAL ROOF, STANDING SEAM PANEL
074113.C	-METAL FLASHING
074113.D3	-Z-CLOSURE TRIM W/SEALS
074113.E3	-SLIP SHEET
074113.F3	-RIGID INSULATION, 6" THICK
074113.GI	-GLASS-MAT GYP. SHEATHING, 1/2" THICK
074113.J	-METAL GUTTER
074213.A	-METAL WALL PANEL
074213.C	-METAL SILL FLASHING
074213.D	-METAL CLOSURE TRIM
074213.F	-2" METAL Z-FURRING CHANNEL, 16" O.C.
074213.H	-METAL FLASHING
074243.A	-COMPOSITE WALL PANEL, FLUSH PANEL W/REVEAL
074243.C	-2" METAL Z-FURRING CHANNEL, 16" O.C.
074293.A	-METAL SOFFIT PANELS
076200.H	-2-PIECE METAL COUNTERFLASH
076200.K	-METAL FLASHING
076200.L	METAL FASCIA
077253.A	SNOW GUARD
079200.A	-SEALANT
079200.D	-BACKER ROD & SEALANT
079200.E	-COMPRESSIVE FILL
083323.A	-OVERHEAD COILING DOOR
083323.B	-OVERHEAD COILING DOOR, METAL TRACK
083323.C	-OVERHEAD COILING DOOR, METAL HOUSING
084213.A	-STOREFRONT FRAMING, THERMALLY BROKEN
084213.B	-METAL SILL PAN
084413.B	-ALUMINUM CURTAIN WALL FRAMING
084413.C	-METAL SILL PAN
085I 13.A	-ALUMINUM WINDOW ASSEMBLY
085I 13.B	-METAL SILL PAN
085I 13.C	-METAL SUB FRAME
085I 13.K	-SELF-ADHERED FLASHING
088000.BI	-1" INSULATING GLASS-LOW E
088000.CI	-INSULATING SPANDREL GLASS, 1" THICK
092216.B2	-1 5/8" METAL STUD AT 16" O.C.
092216.D2	-3 5/8" METAL STUDS AT 16" O.C.
092900.A4	-5/8" GYPSUM WALLBOARD
095I 13.DI	-ACOUSTICAL PANEL CEILING TILE, 2X2
096513.A	-RESILIENT BASE
099123.AI	-PAINT FINISH, INTERIOR SYSTEM
105300.AI	-ALUMINUM CANOPY ASSEMBLY, CANTILEVERED
105300.B	-METAL FLASHING
105300.C	-ALUMINUM CANOPY ASSEMBLY
105300.D	-ALUMINUM DOWNSPOUT ASSEMBLY
220000.Q	-TRENCH DRAIN
321313.D	-COMPRESSIBLE FILL

SCO ID #22-25191-01A; NCCCS #2675

NO	REVISION	DATE

SEAL

JOHN K. FARKAS — LICENSED ARCHITECT — 3/19/2024 — JKF ARCHITECTURE

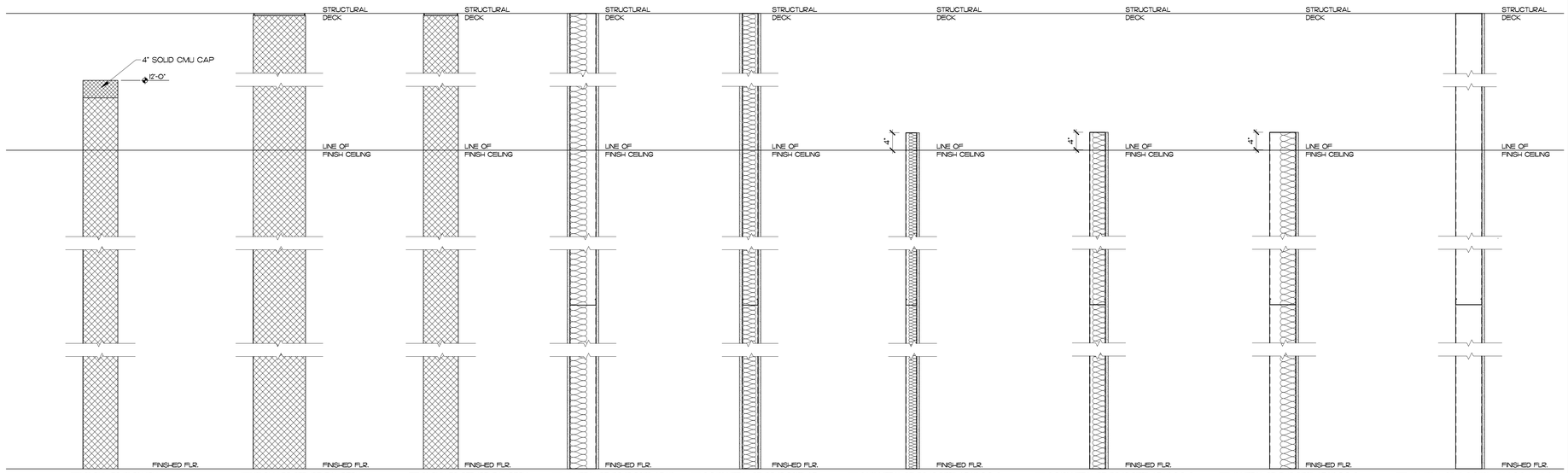
JKF ARCHITECTURE

625 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

PITT COMMUNITY COLLEGE
NEW WELDING BUILDING
WINTERVILLE, NC

DRAWING TITLE
EXTERIOR DETAILS

SCALE: AS NOTED	DRAWING NO: A6.3
DRAWN: MCZ	
CHECKED: JKF	
DATE: 2-15-2024	
PROJECT NO.: 2022-07	



3 8" CMU TO 12'-0" HIGH W/ 4" SOLID CMU CAP

1 12" CMU TO STRUCTURAL DECK. SEAL TIGHT TO DECK.

1X 12" CMU TO STRUCTURAL DECK. SEAL TIGHT TO DECK. 1-HOUR RATING UL DESIGN NO. U904

2 8" CMU TO STRUCTURAL DECK. SEAL TIGHT TO DECK.

2X 8" CMU TO STRUCTURAL DECK. SEAL TIGHT TO DECK. 1-HOUR RATING UL DESIGN NO. U904

10 6" METAL STUDS (0.0329") AT 16" O.C. ε 4" SOUND ATTENUATION BLANKET W/ 5/8" GYPSUM BOARD BOTH SIDES TO DECK. SEAL TIGHT TO DECK.

8 3-5/8" METAL STUDS (0.0329") AT 16" O.C. ε 3" SOUND ATTENUATION BLANKET W/ 5/8" GYPSUM BOARD BOTH SIDES TO DECK. SEAL TIGHT TO DECK.

54 2-1/2" METAL STUDS (0.0179") AT 16" O.C. ε 2" SOUND ATTENUATION BLANKET W/ 5/8" GYPSUM BOARD ONE SIDE TO 4" ABOVE FINISHED CEILING (APC). BRACE TOP OF STUD TO ADJACENT WALL OR STRUCTURE.

55 3-5/8" METAL STUDS (0.0179") AT 16" O.C. ε 3" SOUND ATTENUATION BLANKET W/ 5/8" GYPSUM BOARD ONE SIDE TO 4" ABOVE FINISHED CEILING (APC). BRACE TOP OF STUD TO ADJACENT WALL OR STRUCTURE.

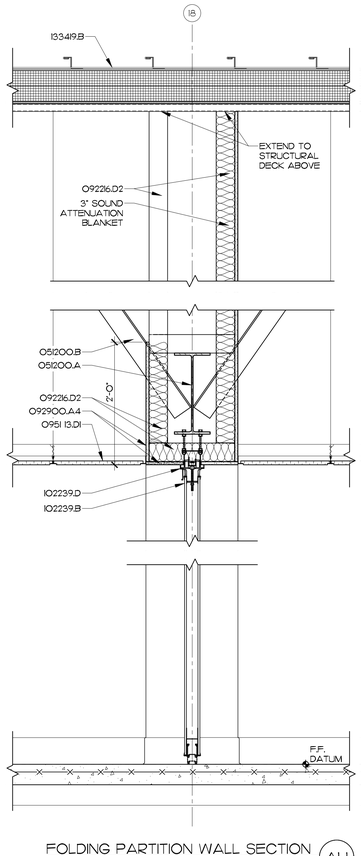
56 6" METAL STUD (0.0179") AT 16" O.C. ε 4" SOUND ATTENUATION BLANKET W/ 5/8" GYPSUM BOARD ONE SIDE TO 4" ABOVE FINISHED CEILING (APC). BRACE TOP OF STUD TO ADJACENT WALL OR STRUCTURE.

59 6" METAL STUD (0.0179") AT 16" O.C. W/ 5/8" GYPSUM BOARD ONE SIDE TO STRUCTURAL DECK.

FIRE RATING: (TYPE AS INDICATED ON FLOOR PLANS)
S SMOKE BARRIER
X 1-HOUR FIRE PARTITION OR FIRE BARRIER
Y 2-HOUR FIRE BARRIER
Z 3-HOUR FIRE BARRIER

PARTITION TYPES BY SYSTEM:
0-9 CMU
10-19 METAL STUD/ SINGLE LAYER GYPSUM
20-29 METAL STUD/ DOUBLE LAYER GYPSUM
30-39 METAL STUD/ TRIPLE LAYER GYPSUM
40-49 METAL STUD/ SHAFTWALL/ CHASE
50-59 METAL FURRED/ ONE-SIDED GYPSUM
60-69 WOOD STUD/ SINGLE LAYER GYPSUM

WALL TYPES K18
1" = 1'-0"

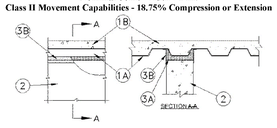


FOLDING PARTITION WALL SECTION A11
1" = 1'-0"

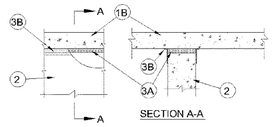
System No. HW-D-0250

October 17, 2005

Assembly Rating — 2 Hr
Nominal Joint Width - 1 In.
Class II Movement Capabilities - 18.75% Compression or Extension



CONFIGURATION 'A'



CONFIGURATION 'B'

1. **Floor Assembly** — The fire-rated fluted steel deck/concrete floor assembly shall be constructed of the materials and in the manner described in the individual D900 Series Floor-Ceiling Design in the UL Fire Resistance Directory and shall include the following construction features:
A. **Steel Floor And Form Units*** — Max 3 in. deep galv steel fluted floor units.
B. **Concrete** — Min 2-1/2 in. thick reinforced concrete, as measured from the top plane of the floor units.

1A. **Roof Assembly - (Not Shown)** — As an alternate to the floor assembly, a fire-rated fluted steel deck roof assembly may be used. The roof assembly shall be constructed of the materials and in the manner described in the individual P900 Series Roof-Ceiling Design in the UL Fire Resistance Directory. The hourly rating of the roof assembly shall be equal to or greater than the hourly rating of the wall assembly. The roof assembly shall include the following construction features:
A. **Steel Roof Deck** — Max 3 in. deep galv steel fluted roof deck.
B. **Roof Insulation** — Min 2-1/4 in. thick poured insulating concrete, as measured from the top plane of the roof deck.

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

2. **Wall Assembly** — Min 6 in. thick reinforced lightweight or normal weight (100-150 pcf) structural concrete. Wall to be parallel to and centered under the valleys of the steel floor units or roof deck. Wall may also be constructed of any U.L. Classified **Concrete Blocks*** See **Concrete Blocks*** (CAZT) category in the Fire Resistance Directory for names of manufacturers.

3. **Joint System Max separation between bottom of floor and top of wall at time of installation of joint system is 1 in. The joint system is designed to accommodate a max 18.75 percent compression or extension from its installed width**. The joint system consists of a forming material and a fill material, as follows:

Joint Configuration A
A. **Forming Material*** — Min 4 pcf density mineral wool batt insulation compressed 50 percent in thickness and as necessary in width, and inserted into opening between the top of the wall and the steel floor unit or roof deck and installed flush with both surfaces of the wall.
A/D FIRE PROTECTION SYSTEMS INC — A/D FireBarrier Mineral Wool
B. **Fill, Void or Cavity Material*** — * Min 1/8 in. wet thickness of fill material spray or brush applied on each side of the wall to completely cover mineral wool forming material and to overlap a min of 1/2 in. onto concrete wall and steel floor units or roof deck on both sides of wall.
A/D FIRE PROTECTION SYSTEMS INC — A/D FireBarrier Seal N/S
Joint Configuration B
A. **Forming Material*** — Min 4 pcf density mineral wool batt insulation compressed 50 percent in thickness and as necessary in width, and inserted into opening between the top of the wall and underside of concrete floor and installed flush with both surfaces of the wall.
A/D FIRE PROTECTION SYSTEMS INC — A/D FireBarrier Mineral Wool
B. **Fill, Void or Cavity Material*** — Min 1/8 in. wet thickness of fill material spray or brush applied on each side of the wall to completely cover mineral wool forming material and to overlap a min of 1/2 in. onto concrete wall and concrete floor on both sides of wall.
A/D FIRE PROTECTION SYSTEMS INC — A/D FireBarrier Seal N/S

*Bearing the U.L. Classification Mark.

Fire Resistance Ratings – ANSI/UL 904

Design No. **U904**

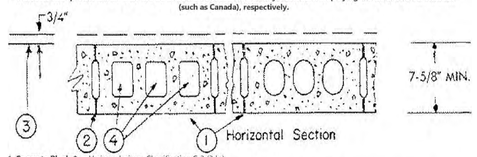
April 14, 2023

Bearing Wall Rating — 3 HR.

Nonbearing Wall Rating — 3 HR.

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide 8XUV or 8XUV7

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



1. **Concrete Blocks*** — Various designs. Classification C-3 (3 hr).
See **Concrete Blocks** category for list of eligible manufacturers.
2. **Mortar** — Blocks laid in full bed of mortar, nom. 3/8 in. thick, of not less than 2-1/4 and not more than 3-1/2 parts of clean sharp sand to 1 part Portland cement (proportioned by volume) and not more than 50 percent hydrated lime (by cement volume). Vertical joints staggered.
3. **Portland Cement Stucco or Gypsum Plaster** — Add 1/2 hr to Classification if used. Attached to concrete bolcks (Item 1).
4. **Loose Masonry Fill** — If all core spaces are filled with loose dry expanded slag, expanded clay or shale (Rotary Kiln Process), water repellant vermiculite masonry fill insulation, or silicone treated perlite loose fill insulation add 1 hr to Classification.
5. **Foamed Plastic*** — (Optional-Not Shown) — 1-1/2 in. thick max, 4 ft wide sheathing attached to concrete blocks (Item 1).
ATLAS ROOFING CORP — EnergyShield Pro Wall Insulation, EnergyShield Pro 2 Wall Insulation, EnergyShield CGF Pro, EnergyShield Ply Pro, EnergyShield® CGF, EnergyShield® PanelCast, EnergyShield® and "EnergyShield® XR
DUPONT DE NEMOURS, INC. — Type Thermax Sheathing, Thermax Light Duty Insulation, Thermax Heavy Duty Insulation, Thermax Metal Building Board, Thermax White Finish Insulation, Thermax ci Exterior Insulation, Thermax XARMOR ci Exterior Insulation, Thermax IH Insulation, Thermax Plus Liner Panel, Thermax Heavy Duty Plus (HDP), TUFF-R™ ci Insulation, Thermax Butler Stylwall Insulation Board and Thermax Morton Heavy Duty Insulation Board
FIRESTONE BUILDING PRODUCTS CO L L C — "Envergie™ CI Foil Exterior Wall Insulation" and "Envergie™ CI Glass Exterior Wall Insulation"
HUNTER PANELS, A DIVISION OF CARLISLE CONSTRUCTION MATERIALS, LLC — Type "Xci-Class A", "Xci 286", "Xci Foil (Class A)"
RMAX, A BUSINESS UNIT OF SIKA CORPORATION — Types "TSX-8500", "ECOMAXci FR", "TSX-8510", "ECOMAX xi FR White", "ECOMAXci", "ECOMAXci FR Air Barrier", "Thermasheath-XP", "Thermasheath", "Durasheath"
JOHNS MANVILLE — Type "AP Foil-Faced Foam Sheathing"
5A. **Building Units*** — As an alternate to Item 5, min. 1-in thick polyisocyanurate composite foamed plastic insulation boards; nom. 48 by 48 or 96 in.
ATLAS ROOFING CORP — EnergyShield® Ply
RMAX, A BUSINESS UNIT OF SIKA CORPORATION — "Thermasheath-SI", "ECOBASEci", "ThermaBase-CI", "ECOMAXci FR Ply", "ECOMAXci Ply".
*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

MATERIALS KEYING LEGEND

GENERAL NOTES

1. PROVIDE MOISTURE-RESISTANT GYPSUM BOARD IN ALL TOILET ROOMS, JANITORS CLOSETS, MECHANICAL ROOMS & WET AREAS IN LIEU OF GYPSUM BOARD INDICATED IN PARTITION TYPES.
2. PROVIDE CEMENTIOUS TILE BACKING PANEL IN LIEU OF GYPSUM BOARD WHERE CERAMIC WALL TILE IS SCHEDULED.

KEY PLAN

SCO ID #22-25191-01A; NCCCS #2675

NO	REVISION	DATE

SEAL

JOHN K. FARKAS REGISTERED ARCHITECT 3/10/2024 SEAL GREENVILLE N

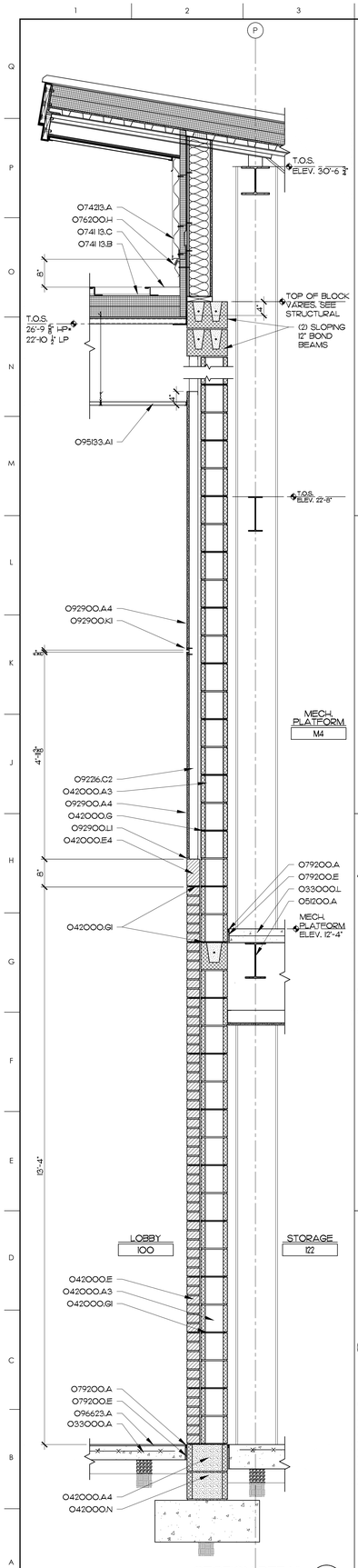
JKF ARCHITECTURE

625 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1048

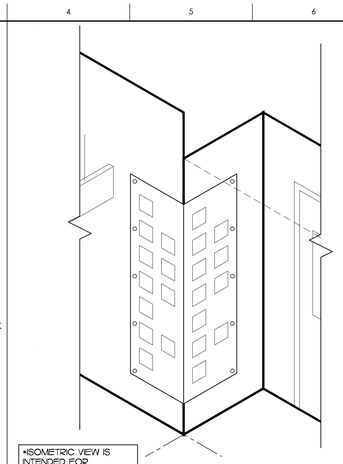
PITT COMMUNITY COLLEGE
NEW WELDING BUILDING
WINTERVILLE, NC

DRAWING TITLE
PARTITION TYPES
U.L. DETAILS

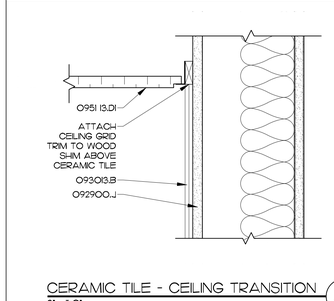
SCALE	AS NOTED
DRAWN	MCZ
CHECKED	JKF
DATE	2-15-2024
PROJECT NO.	2022-07
DRAWING NO	A7.1



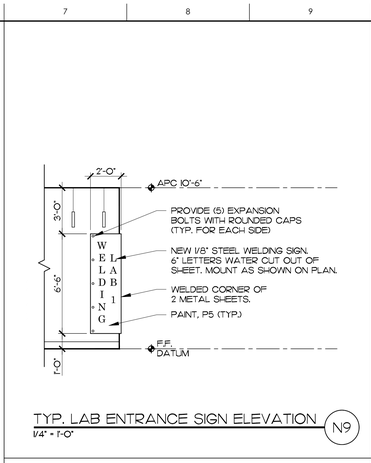
SECTION DETAIL — 3/4" = 1'-0" — A3



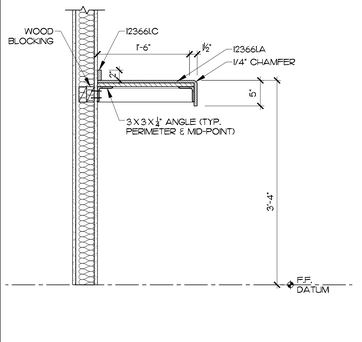
TYP. LAB ENTRANCE SIGN ISOMETRIC — 1/2" = 1'-0" — M6



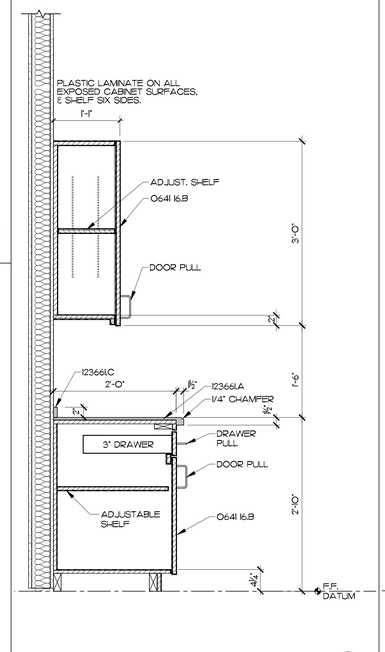
CERAMIC TILE - CEILING TRANSITION — 3" = 1'-0" — J6



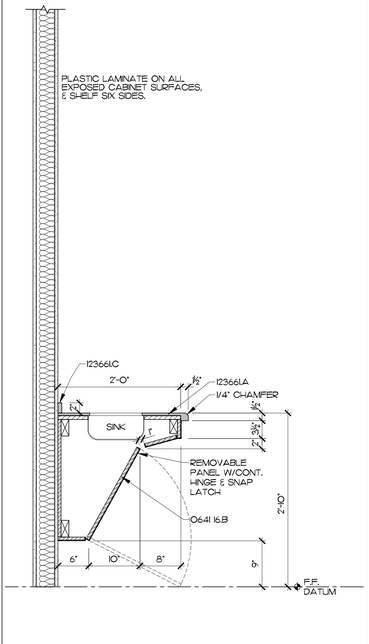
TYP. LAB ENTRANCE SIGN ELEVATION — 1/4" = 1'-0" — N9



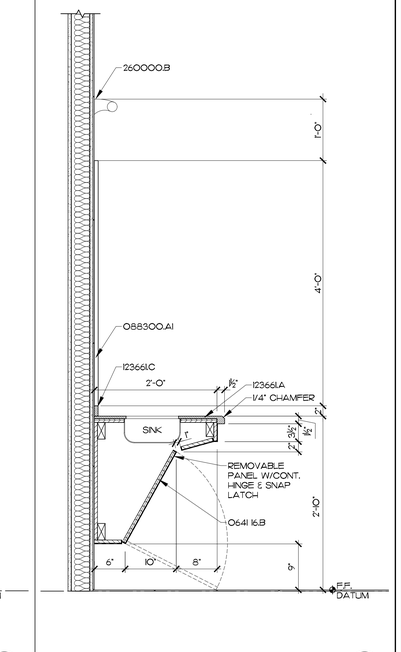
CASEWORK SECTION — 1" = 1'-0" — J9



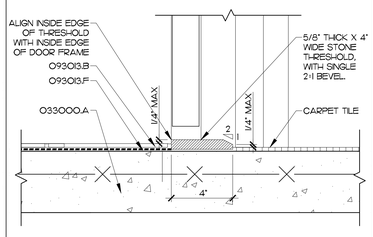
CASEWORK SECTION — 1" = 1'-0" — J12



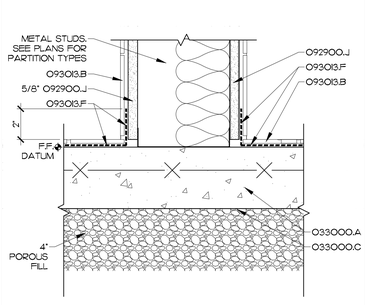
CASEWORK SECTION — 1" = 1'-0" — J15



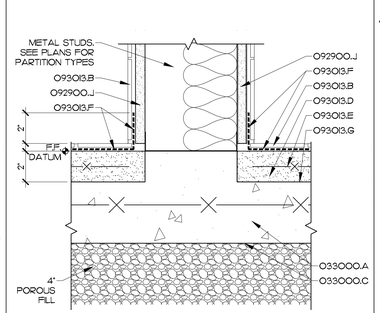
CASEWORK SECTION — 1" = 1'-0" — J18



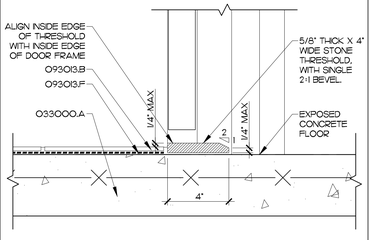
CERAMIC TILE THRESHOLD DETAIL AT CARPET TILE — 3" = 1'-0" — E6



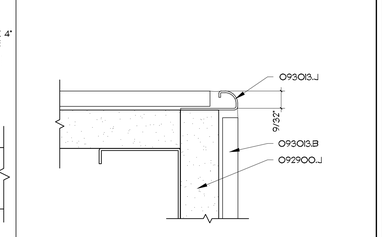
TYPICAL FLOOR-WALL WATERPROOFING DETAIL AT THINSET — 3" = 1'-0" — E9



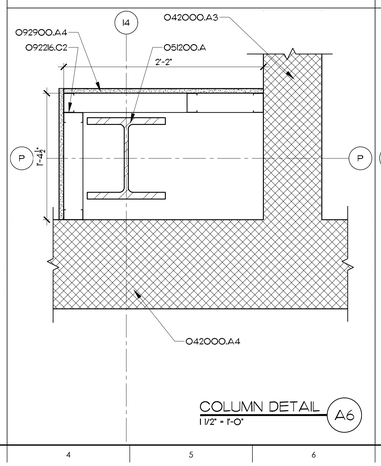
TYPICAL FLOOR-WALL WATERPROOFING DETAIL AT MUDBED — 3" = 1'-0" — E12



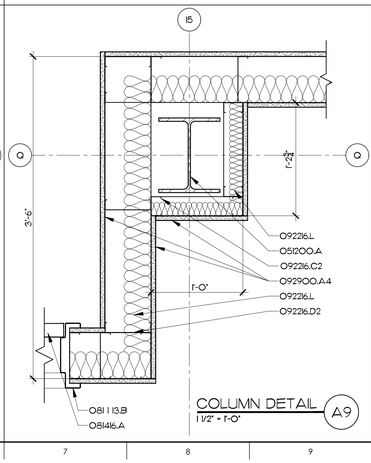
CERAMIC TILE THRESHOLD DETAIL AT CONCRETE — 3" = 1'-0" — E15



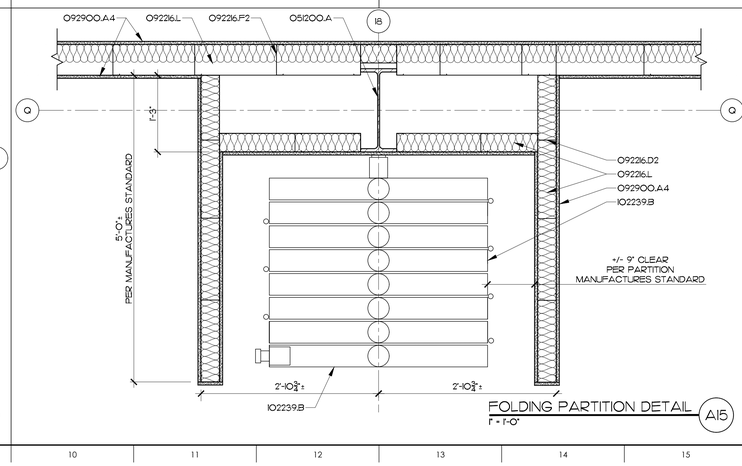
CERAMIC TILE OUTSIDE CORNER DETAIL — 1'-0" = 1'-0" — E18



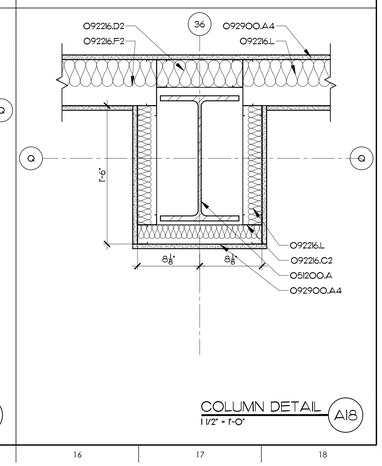
COLUMN DETAIL — 1 1/2" = 1'-0" — A6



COLUMN DETAIL — 1 1/2" = 1'-0" — A9



FOLDING PARTITION DETAIL — 1" = 1'-0" — A15



COLUMN DETAIL — 1 1/2" = 1'-0" — A18

MATERIALS KEYING LEGEND

O33000.A	CONCRETE SLAB ON GRADE, SEE STRUCTURAL
O33000.C	VAPOR BARRIER
O33000.L	CONCRETE SLAB ON STEEL DECK, SEE STRUCTURAL
O42000.A3	CONCRETE MASONRY UNIT, 8"
O42000.A4	CONCRETE MASONRY UNIT, 12"
O42000.E	FACE BRICK
O42000.E4	FACE BRICK, SOLDIER COURSE
O42000.G	MASONRY JOINT REINFORCEMENT
O42000.GI	HORIZONTAL JOINT REINFORCING AT 16" O.C. VERT.
O42000.N	GROUT SOLID
O51200.A	STRUCTURAL STEEL, SEE STRUCTURAL DRAWINGS
O641 16.B	PLASTIC LAMINATE, 3/4" THICK
O741 13.B	METAL ROOF, STANDING SEAM PANEL
O741 13.C	METAL FLASHING
O74213.A	METAL WALL PANEL
O76200.H	2-PIECE METAL COUNTERFLASH
O79200.A	SEALANT
O79200.E	COMPRESSIVE FILL
O811 13.B	HOLLOW METAL FRAME
O81416.A	SOLID CORE WOOD DOOR, FLUSH
O88300.AI	1/4" GLASS MIRROR
O9216.C2	2 1/2" METAL STUDS AT 16" O.C.
O9216.D2	3 5/8" METAL STUDS AT 16" O.C.
O9216.F2	6" METAL STUDS AT 16" O.C.
O9216.L	ACOUSTICAL BLANKET, THICKNESS AS NOTED IN PARTITION TYPES
O92900.A4	5/8" GYPSUM WALLBOARD
	M.R. GYPSUM BOARD, 5/8" THICK
O92900.J	5/8" CEMENTITIOUS BACKER UNIT
O92900.KI	TRIM, REVEAL
O92900.LI	J-BEAD
O93013.B	CERAMIC TILE
O93013.D	MORTAR BED
O93013.E	REINFORCING MESH
O93013.F	WATERPROOFING MEMBRANE
O93013.G	CLEAVAGE MEMBRANE
O93013.J	METAL TRIM
O95133.AI	METAL ACOUSTICAL CEILING PANEL, 2X6
O951 13.DI	ACOUSTICAL PANEL CEILING TILE, 2X2
O96623.A	TERRAZZO FLOOR
I02239.B	OPERABLE PARTITION, ELECTRIC
12366I.A	SIMULATED STONE COUNTERTOP
12366I.B	SIMULATED STONE APRON
12366I.C	SIMULATED STONE BACKSPLASH
260000.B	INTERIOR LIGHT FIXTURE

GENERAL NOTES

1. PROVIDE MOISTURE-RESISTANT GYPSUM BOARD IN ALL TOILET ROOMS, JANITORS CLOSETS, MECHANICAL ROOMS & WET AREAS IN LIEU OF GYPSUM BOARD INDICATED IN PARTITION TYPES.
2. PROVIDE CEMENTIOUS TILE BACKING PANEL IN LIEU OF GYPSUM BOARD WHERE CERAMIC WALL TILE IS SCHEDULED.

KEY PLAN

SCO ID #22-25191-01A; NCCCS #2675

NO	REVISION	DATE

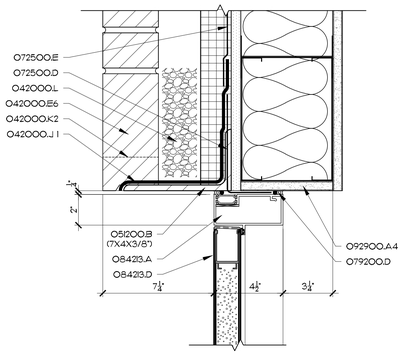
SEAL — JOHN K. FARKAS — REGISTERED ARCHITECT — 5812 — 3/10/2024

JKF ARCHITECTURE
425 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

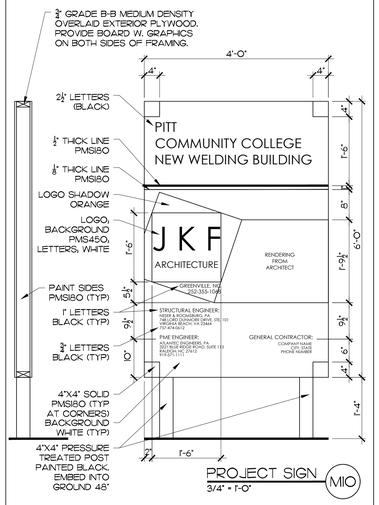
PITT COMMUNITY COLLEGE
NEW WELDING BUILDING
WINTERVILLE, NC

DRAWING TITLE: SECTION DETAILS

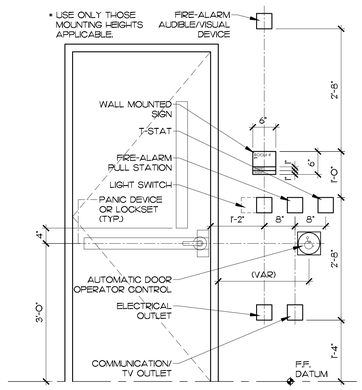
SCALE	AS NOTED
DRAWN	MCZ, BTP
CHECKED	JKF
DATE	2-15-2024
PROJECT NO.	2022-07
DRAWING NO.	A7.2



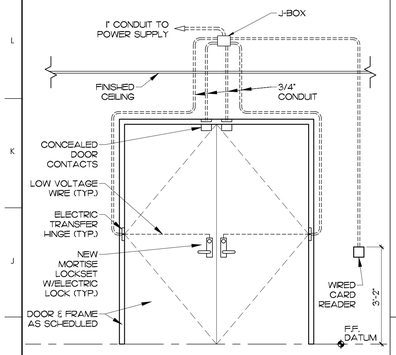
HEAD DETAIL M7
3" = 1'-0"



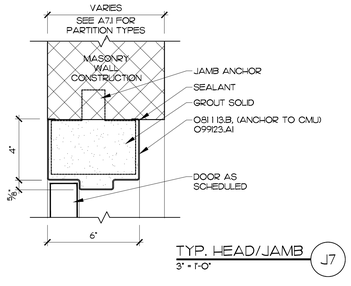
PROJECT SIGN M10
3/4" = 1'-0"



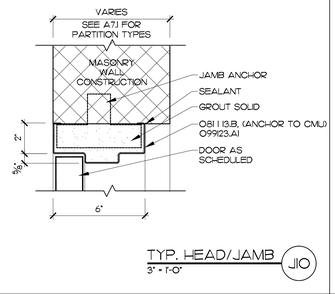
TYP. MOUNTING HEIGHTS M13
3/4" = 1'-0"



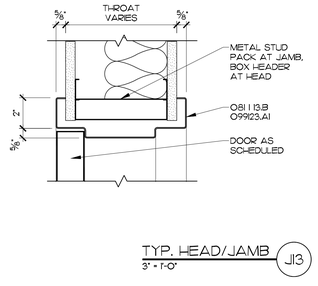
SECURITY DOOR DETAIL H3
1/2" = 1'-0"



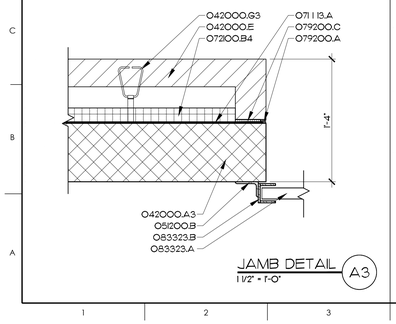
TYP. HEAD/JAMB J7
3" = 1'-0"



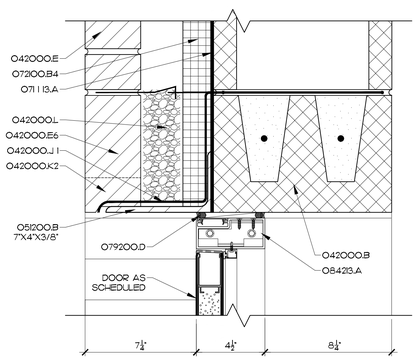
TYP. HEAD/JAMB J10
3" = 1'-0"



TYP. HEAD/JAMB J13
3" = 1'-0"

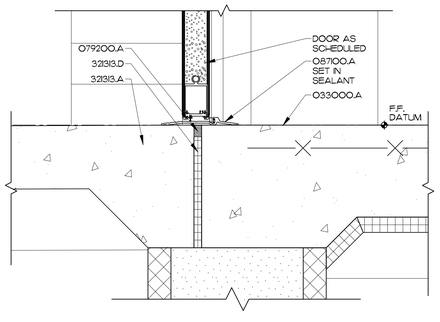


SECURITY DOOR DETAIL D3
1/2" = 1'-0"

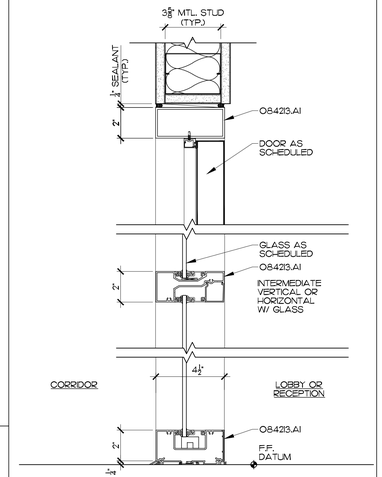


HEAD DETAIL E7
3" = 1'-0"

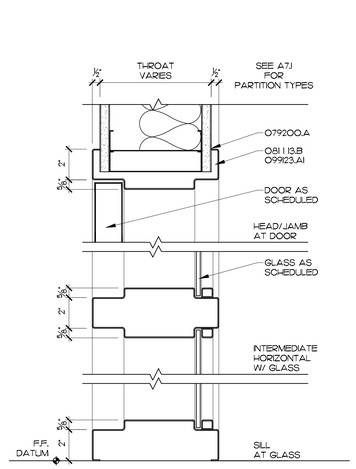
JAMB DETAIL A3
1 1/2" = 1'-0"



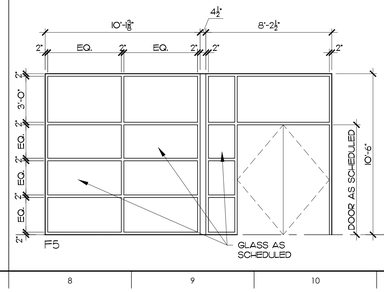
THRESHOLD DETAIL A7
3" = 1'-0"

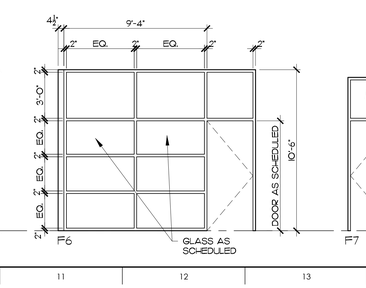


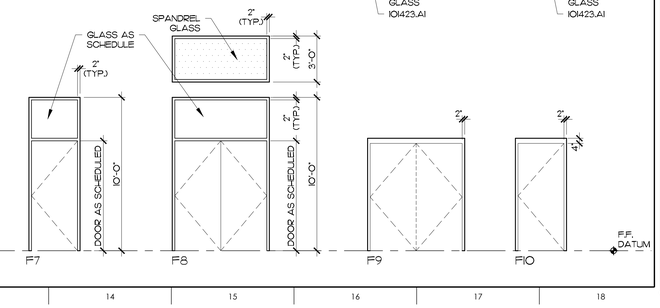
SILL, HEAD, JAMB DETAIL D10
3" = 1'-0"

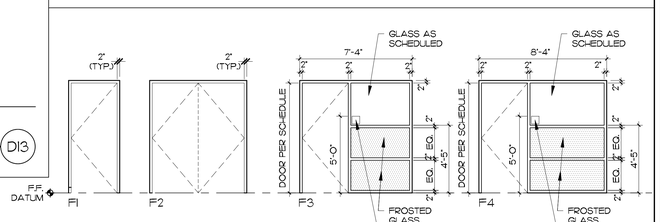


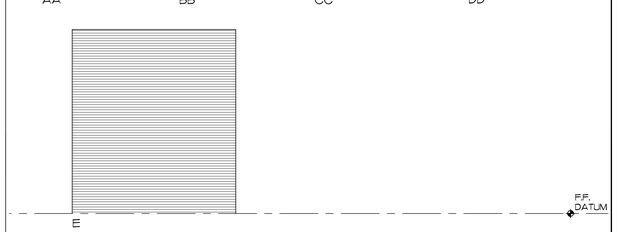
SILL, HEAD, JAMB DETAIL D13
3" = 1'-0"











DOOR SCHEDULE

DOOR GROUP NO.	DOOR OPENING SIZE (W X H)	DOOR				FRAME					GLASS	FIRE RATING (HRS)	REMARKS
		DOOR TYPE	THICKNESS (1-3/4" U.N.O.)	MATERIAL	FINISH	FRAME ELEVATION	MATERIAL	FINISH	DETAILS J	DETAILS H	DETAILS S		
1	2'(3"-0" X 7'-2")	DD	1 3/4"	AL	AN	CWI	AL	AN	J14 A6.2	A14 A3.2	A14 A3.2	1" LOW E	-	SEE A8.2 FOR CURTAIN WALL FRAME ELEVATION
2	2'(3"-0" X 7'-2")	DD	1 3/4"	AL	AN	F8	AL	AN	A14 A6.2	A7 A3.2	A7 A3.2	1" LOW E	-	
3	2'(3"-0" X 7'-2")	AA	1 3/4"	AL	FRP	F2	AL	AN	A9 A6.2 SIM	E7	A7	-	-	
4	3'-0" X 7'-2"	D	1 3/4"	AL	AN	F7	AL	AN	A4 A3.1 SIM	A4 A3.1 SIM	A7 SIM	1" LOW E	-	
5	3'-0" X 7'-2"	B	1 3/4"	AL	FRP	FI	AL	AN	J8 A6.2	E7 SIM	A7 SIM	1" LOW E	-	
6	3'-0" X 7'-2"	A	1 3/4"	AL	FRP	FI	AL	AN	J8 A6.2 SIM	E7	A7	-	-	
7	16'-0" X 12'-0"	E	1 3/4"	SS	SS	-	SS	SS	A3	A18 A3.1	A18 A3.1	-	-	ELECTRICAL OPERATED
8	10'-8" X 12'-0"	E	1 3/4"	SS	SS	-	SS	SS	A3	A18 A3.1	A18 A3.1	-	-	ELECTRICAL OPERATED
9	3'-8" X 6'-8"	B	1 3/4"	HM	P	FIO	HM	P	JIO	J7	-	-	45 MIN.	4" HEAD FRAME
10	2'(3"-0" X 7'-2")	DD	1 3/4"	AL	AN	F5	AL	AN	DIO	DIO	DIO	1/4" TEMP.	-	
11	3'-0" X 7'-2"	DD	1 3/4"	SWC	TF	F6	AL	AN	DIO	DIO	DIO	1/4" TEMP.	-	
12	2'(3"-0" X 7'-2")	CC	1 3/4"	HM	P	F2	HM	P	JIO	JIO	-	1/4" TEMP.	-	
13	2'(3"-0" X 7'-2")	AA	1 3/4"	HM	P	F2	HM	P	JIO	JIO	-	-	-	
14	2'(3"-0" X 6'-8")	AA	1 3/4"	HM	P	F9	HM	P	JIO	J7	-	-	-	4" HEAD FRAME
15	2'(3"-0" X 7'-2")	AA	1 3/4"	SWC	TF	F2	HM	P	JI3	JI3	-	-	-	
16	3'-0" X 7'-2"	A	1 3/4"	SWC	TF	F4	HM	P	JI3	DI3	DI3	1/4" TEMP.	-	
17	3'-0" X 7'-2"	A	1 3/4"	SWC	TF	F3	HM	P	JI3	DI3	DI3	1/4" TEMP.	-	
18	3'-0" X 7'-2"	A	1 3/4"	HM	P	FI	HM	P	JIO	JIO	-	-	-	
19	3'-0" X 7'-2"	A	1 3/4"	SWC	TF	FI	HM	P	JI3	JI3	-	-	-	

DOOR TYPES

FRAME TYPES

MATERIALS KEYING LEGEND

033000.A	- CONCRETE SLAB ON GRADE, SEE STRUCTURAL
042000.A3	- CONCRETE MASONRY UNIT, 8"
042000.B	- CONCRETE MASONRY, BOND BEAM
042000.E	- FACE BRICK
042000.E6	- FACE BRICK, SHELF BRICK, SOLDIER COURSE
042000.G3	- HORIZONTAL JOINT REINF. AT 16" VERT. & BRICK TIE EYES AT 24" O.C. HORIZ.
042000.J1	- THRU-WALL FABRIC FLASHING
042000.K2	- WEEP SLOTS AT 16" O.C.
042000.L	- CAVITY DRAINAGE MATERIAL
051200.B	- STEEL ANGLE, SIZE AS INDICATED
061600.D2	- GLASS-MAT GYPSUM SHEATHING, 5/8" THICK
071 113.A	- BITUMINOUS DAMPROOFING
072100.B4	- 2" RIGID INSULATION
072500.D	- SELF ADHERING SHEET
072500.E	- BUILDING WRAP
079200.A	- SEALANT
079200.C	- COMPRESSIBLE SEALER W/ADHESIVE
079200.D	- BACKER ROD & SEALANT
081 113.B	- HOLLOW METAL FRAME
083323.A	- OVER-HEAD COILING DOOR
083323.B	- OVER-HEAD COILING DOOR, METAL TRACK
084213.A	- STOREFRONT FRAMING, THERMALLY BROKEN
084213.A1	- STOREFRONT FRAMING
084213.D	- ALUMINUM FRP DOOR
087100.A	- THERMAL BREAK THRESHOLD, SET IN SEALANT
092900.A4	- 5/8" GYPSUM WALLBOARD
099123.A1	- PAINT FINISH, INTERIOR SYSTEM
101423.A1	- PANEL SIGN, 6X6
321313.A	- CONCRETE SIDEWALK, 4" THICK
321313.D	- COMPRESSIBLE FILL

GENERAL NOTES

KEY PLAN

SCO ID #22-25191-01A; NCCCS #2675

NO	REVISION	DATE

SEAL

JOHN K. FARKAS REGISTERED ARCHITECT 3/10/2014 SEAL

JKF ARCHITECTURE

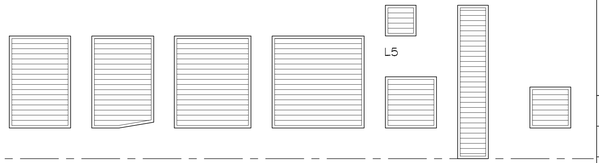
825 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1048

PITT COMMUNITY COLLEGE
NEW WELDING BUILDING
WINTERVILLE, NC

DRAWING TITLE
DOOR TYPES AND SCHEDULE

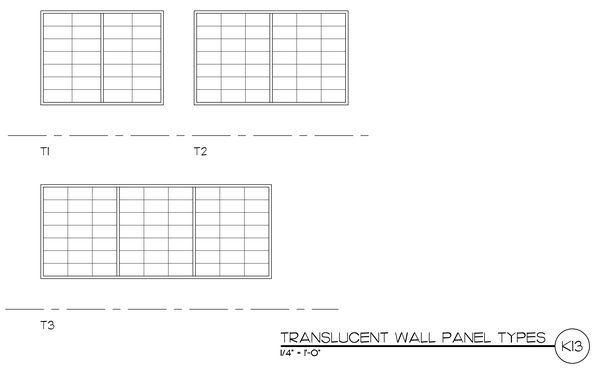
SCALE	AS NOTED
DRAWN	MCZ
CHECKED	JKF
DATE	2-15-2024
PROJECT NO.	2022-07
DRAWING NO.	A8.1

LOUVER TYPES



LOUVER TYPES — 013
1/4" = 1'-0"

TRANSLUCENT WALL PANEL TYPES



TRANSLUCENT WALL PANEL TYPES — K13
1/4" = 1'-0"

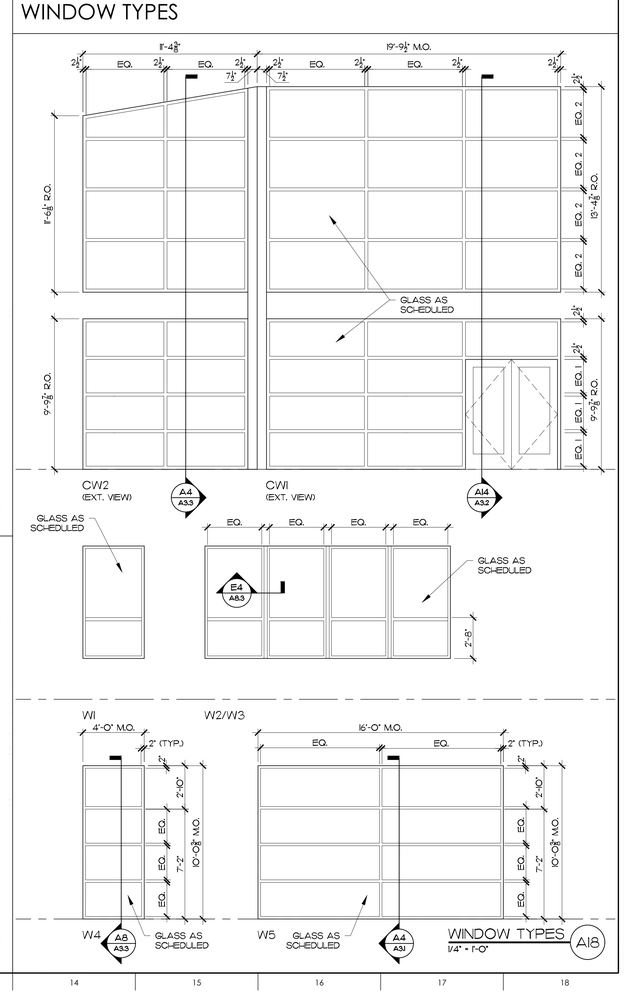
WINDOW, LOUVER & PANEL SCHEDULE

WINDOW GROUP NO.	WINDOW UNIT SIZE (W X H)	WINDOW TYPE	MATERIAL	FINISH	FRAME ELEVATION	UNIT THICKNESS	DETAILS J	DETAILS H	DETAILS S	GLASS	FIRE RATING (HRS)	REMARKS
W1	4'-0" X 7'-4"	FIXED	AL	AN	W1	3 1/4"	A13	SIM TO J8 A6.3	SIM TO A18 A6.3	LOW-E	-	PROVIDE BLINDS AT ALL WINDOWS
W2	16'-0" X 7'-4"	FIXED	AL	AN	W2	3 1/4"	SIM TO A13	J8 A6.3	A18 A6.3	LOW-E		PROVIDE BLINDS AT ALL WINDOWS
W3	16'-0" X 7'-4"	FIXED	AL	AN	W3	3 1/4"	E18 A6.1	A15 A3.3	A15 A3.3	LOW-E		PROVIDE BLINDS AT ALL WINDOWS
W4	4'-0" X 10'-0"	FIXED	AL	AN	W4	4 1/2"	J9 A6.1	SIM TO E13	A8 A3.3	LOW-E OBSCURED		PROVIDE OBSCURED GLASS
W5	16'-0" X 10'-0"	FIXED	AL	AN	W5	4 1/2"	A4 A6.1	E13	A4 A3.1	LOW-E		
CW1	SEE ELEVATION	FIXED	AL	AN	CW1	7 1/2"	J4 A6.2	A14 A3.2	A14 A3.2	LOW-E		
CW2	SEE ELEVATION	FIXED	AL	AN	CW2	7 1/2"	J4 A6.1	A4 A3.3	A4 A3.3	LOW-E		
L1	4'-0" X 6'-0"	FIXED LOUVER	AL	AN	L1	4"	N8 A6.1	M14 A3.1	M14 A3.1			
L2	4'-0" X 6'-0"	FIXED LOUVER	AL	AN	L2	4"	N8 A6.1	M14 A3.1	M14 A3.1			
L3	5'-0" X 6'-0"	FIXED LOUVER	AL	AN	L3	4"	N8 A6.1	M14 A3.1	M14 A3.1			
L4	6'-0" X 6'-0"	FIXED LOUVER	AL	AN	L4	4"	N8 A6.1	M14 A3.1	M14 A3.1			
L5	2'-0" X 2'-0"	FIXED LOUVER	AL	AN	L5	4"	SIM TO A7	F18 A4.2	F18 A4.2			
L6	3'-4" X 3'-4"	FIXED LOUVER	AL	AN	L6	4"	A7	SIM TO E10	SIM TO A10			
L7	2'-0" X 10'-0"	FIXED LOUVER	AL	AN	L7	4"	A4	SIM TO A8 A3.3	SIM TO A8 A3.3			
L8	2'-8" X 2'-8"	FIXED	AL	AN	L8	4"	SIM TO N8 A6.1	E7	A10			
T1	8'-0" X 6'-0"	TRANS-LUCENT WALL PANEL	FG	AN	T1	2 3/4"	N8 A6.1	M8 A3.1	M8 A3.1			
T2	10'-0" X 6'-0"	TRANS-LUCENT WALL PANEL	FG	AN	T2	2 3/4"	N8 A6.1	M8 A3.1	M8 A3.1			
T3	15'-0" X 6'-0"	TRANS-LUCENT WALL PANEL	FG	AN	T3	2 3/4"	N8 A6.1	M8 A3.1	M8 A3.1			

MATERIALS KEYING LEGEND

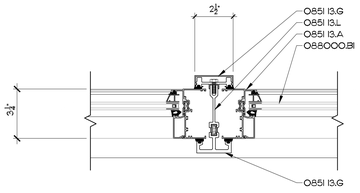
042000.A3	- CONCRETE MASONRY UNIT, 8"
042000.A33	- CONCRETE MASONRY UNIT, 8" SOLID BEVELED
042000.A4	- CONCRETE MASONRY UNIT, 12"
042000.A43	- CONCRETE MASONRY UNIT, 12" SOLID BEVELED
042000.B2	- CONCRETE MASONRY, BOND BEAM, 12"
042000.E	- FACE BRICK
042000.E6	- FACE BRICK, SHELF BRICK, SOLDIER COURSE
042000.E10	- FACE BRICK, SOLDIER COURSE SILL, SPECIAL SHAPE
042000.G1	- HORIZONTAL JOINT REINFORCING AT 16" O.C. VERT.
042000.G2	- A.D.J. BRICK TIES AT 16" OC VERT., 24" O.C. HORIZ.
042000.G3	- HORIZONTAL JOINT REINF., AT16" VERT. & BRICK TIE EYES AT 24" O.C. HORIZ.
042000.J1	- THRU-WALL FABRIC FLASHING
042000.K2	- WEEP SLOTS AT 16" O.C.
042000.L	- CAVITY DRAINAGE MATERIAL
051200.B	- STEEL ANGLE, SIZE AS INDICATED
054000.FI	- COLD FORMED METAL FRAMING, 6" STUD AT 16" O.C.
061600.D2	- GLASS-MAT GYPSUM SHEATHING, 5/8" THICK
062023.CI	- INTERIOR WOOD TRIM, WINDOW SILL, TRANSPARENT FINISH
071 I 13.A	- BITUMINOUS DAMPROOFING
072100.A4	- R-19 BATT INSULATION
072100.B4	- 2" RIGID INSULATION
072500.D	- SELF-ADHERING SHEET
072500.E	- BUILDING WRAP
074243.A	- COMPOSITE WALL PANEL, FLUSH PANEL W/REVEAL
074243.C	- 2" METAL Z-FURRING CHANNEL, 16" O.C.
076200.J	- METAL SILL PAN
079200.A	- SEALANT
079200.C	- COMPRESSIBLE SEALER W/ADHESIVE
079200.D	- BACKER ROD & SEALANT
084213.A	- STOREFRONT FRAMING, THERMALLY BROKEN
085I 13.A	- ALUMINUM WINDOW ASSEMBLY
085I 13.B	- METAL SILL PAN
085I 13.C	- METAL SUB FRAME
085I 13.G	- MULLION COVER
085I 13.L	- ALUMINUM MULLION
088000.B1	- 1" INSULATING GLASS-LOW E
092900.A4	- 5/8" GYPSUM WALLBOARD
095I 13.D1	- ACOUSTICAL PANEL CEILING TILE, 2X2
099I 13.A	- PAINT FINISH, EXTERIOR SYSTEM
230000.J	- MECH. LOUVER-SEE HVAC DRAWINGS

WINDOW TYPES

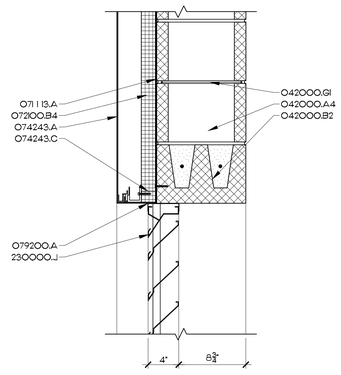


WINDOW TYPES — A18
1/4" = 1'-0"

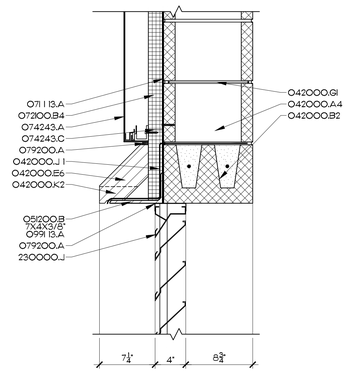
INTERMEDIATE VERTICAL/JAMB DETAIL — E4
3" = 1'-0"



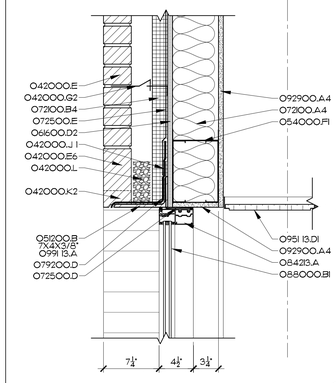
HEAD DETAIL — E7
1-1/2" = 1'-0"



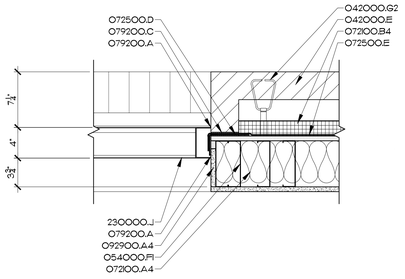
HEAD DETAIL — E10
1-1/2" = 1'-0"



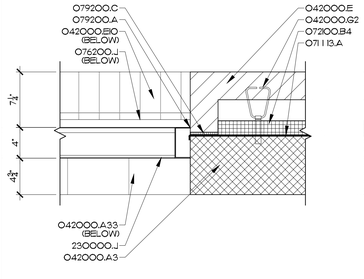
HEAD DETAIL — E13
1-1/2" = 1'-0"



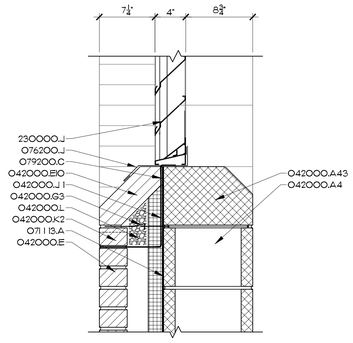
JAMB DETAIL — A4
1-1/2" = 1'-0"



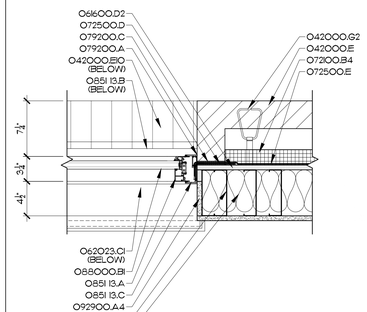
JAMB DETAIL — A7
1-1/2" = 1'-0"



SILL DETAIL — A10
1-1/2" = 1'-0"



JAMB DETAIL — A13
1-1/2" = 1'-0"



GENERAL NOTES

KEY PLAN

SCO ID #22-25191-01A; NCCCS #2675

NO	REVISION	DATE

SEAL — JOHN K. FARKAS, REGISTERED ARCHITECT, 3/10/2024, 5822, GREENVILLE, N.C.

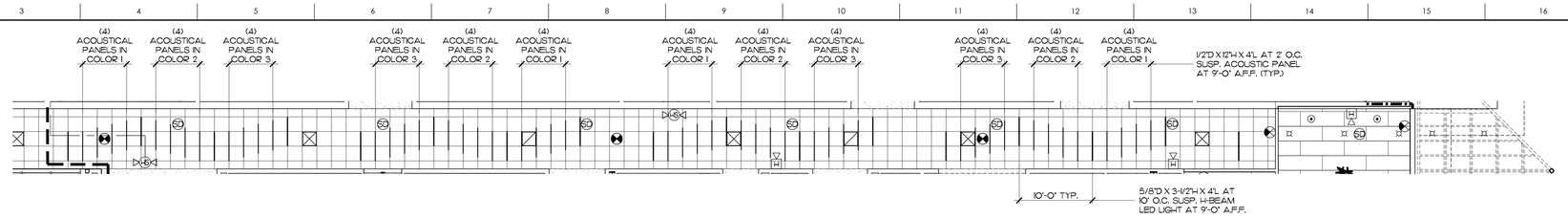
JKF ARCHITECTURE

425 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

PITT COMMUNITY COLLEGE
NEW WELDING BUILDING
WINTERVILLE, NC

DRAWING TITLE
WINDOW TYPES AND SCHEDULE

SCALE	AS NOTED
DRAWN	JRH, BTP
CHECKED	JKF
DATE	2-15-2024
PROJECT NO.	2022-07
DRAWING NO.	A8.2



CORRIDOR "A"
REFLECTED CEILING PLAN P18
1/8" = 1'-0"

MATCHLINE

SEE DRAWING A9.2

SEE DRAWING A9.1

ADVANCED WELDING LAB
102
EC | -- | P1

1ST YEAR WELDING LAB
109
EC | -- | P1

ADVANCED WELDING LAB
116
EC | -- | P1

ROBOTICS TESTING LAB
121
EC | -- | P1

STORAGE 103 EC | R | P1
DATA 106 LV1 | R | P1
STORAGE 111 EC | R | P1
STORAGE 110 EC | R | P1
JANTOR 114 EC | R | P1
STORAGE 118 EC | R | P1
STORAGE 117 EC | R | P1
STORAGE 122 EC | R | P1
RISER 123 EC | R | P1

METAL ENTRANCE PANELS READING "WELDING LAB 3" SEE DETAIL N9/A7.2

METAL ENTRANCE PANELS READING "WELDING LAB 2" SEE DETAIL N9/A7.2

METAL ENTRANCE PANELS READING "WELDING LAB 1" SEE DETAIL N9/A7.2

METAL ENTRANCE PANELS READING "ROBOTICS LAB" SEE DETAIL N9/A7.2

CLASSROOM 115 LV2 | R | P1
CLASSROOM 113 LV2 | R | P1
MECH 112 EC | R | P1
WOMEN 108 CT1 | CT2 | CT2
MEN 107 CT1 | CT2 | CT2
CORRIDOR A EC | R | P1
VENDING 105 EC | R | P1
OFFICE 101 K CR3 | R | P1
OFFICE 101 L CR3 | R | P1
RECEPTION 101 CR1 | R | P1
LOBBY 100 T | B | B
WORKROOM 101 E LV1 | R | P1
CORRIDOR B CR2 | R | P1
OFFICE 101 J CR3 | R | P1
OFFICE 101 H CR3 | R | P1
OFFICE 101 G CR3 | R | P1
OFFICE 101 F CR3 | R | P1
WOMEN 101 P CT3 | CT4 | CT4
MEN 101 N CT3 | CT4 | CT4
BREAKROOM 101 M LV1 | R | P1
OFFICE 101 A CR3 | R | P1
OFFICE 101 B CR3 | R | P1
OFFICE 101 C CR3 | R | P1
OFFICE 101 D CR3 | R | P1

B PI ABOVE

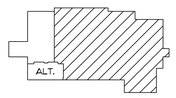
PARTIAL FLOOR PLAN A1.8
1/8" = 1'-0"
SCALE: 1/8" = 1'-0"

MATERIALS KEYING LEGEND

GENERAL NOTES

1. SEE A4.1 INTERIOR ELEVATIONS FOR CERAMIC TILE PATTERNS AND LOCATIONS.
2. SEE A5.1 AND A5.2 FOR REFLECTED CEILING PLAN PAINT LOCATIONS.

KEY PLAN



SCO ID #22-25191-01A; NCCCS #2675

NO	REVISION	DATE

SEAL

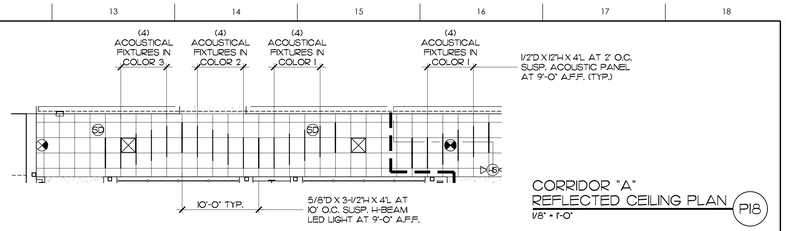
JOHN K. FARKAS REGISTERED ARCHITECT 3/10/2024 GREENVILLE, N.C.

JKF ARCHITECTURE
625 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

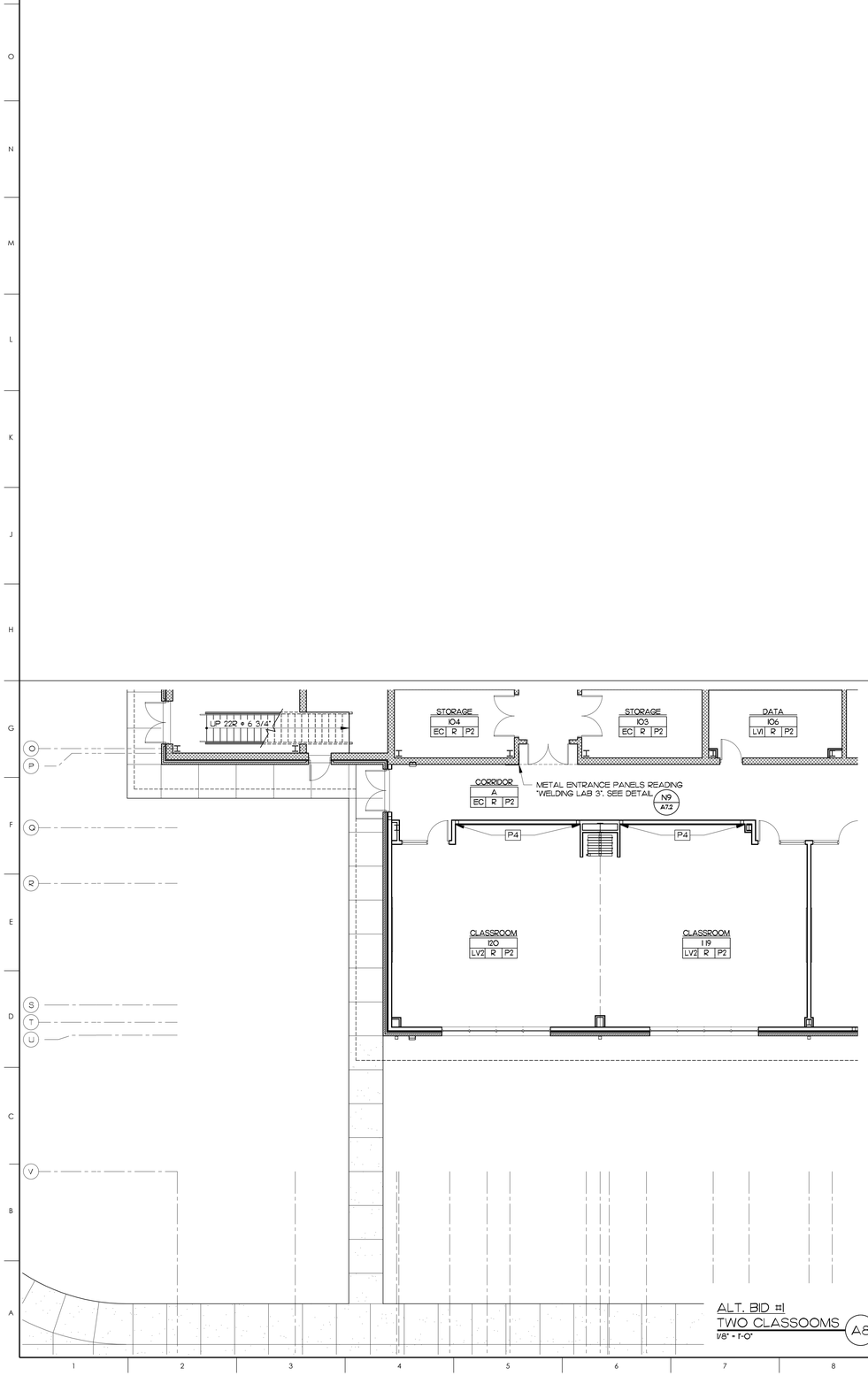
PITT COMMUNITY COLLEGE
NEW WELDING BUILDING
WINTERVILLE, NC

DRAWING TITLE
PARTIAL FLOOR PLAN
ARCHITECTURAL FINISHES

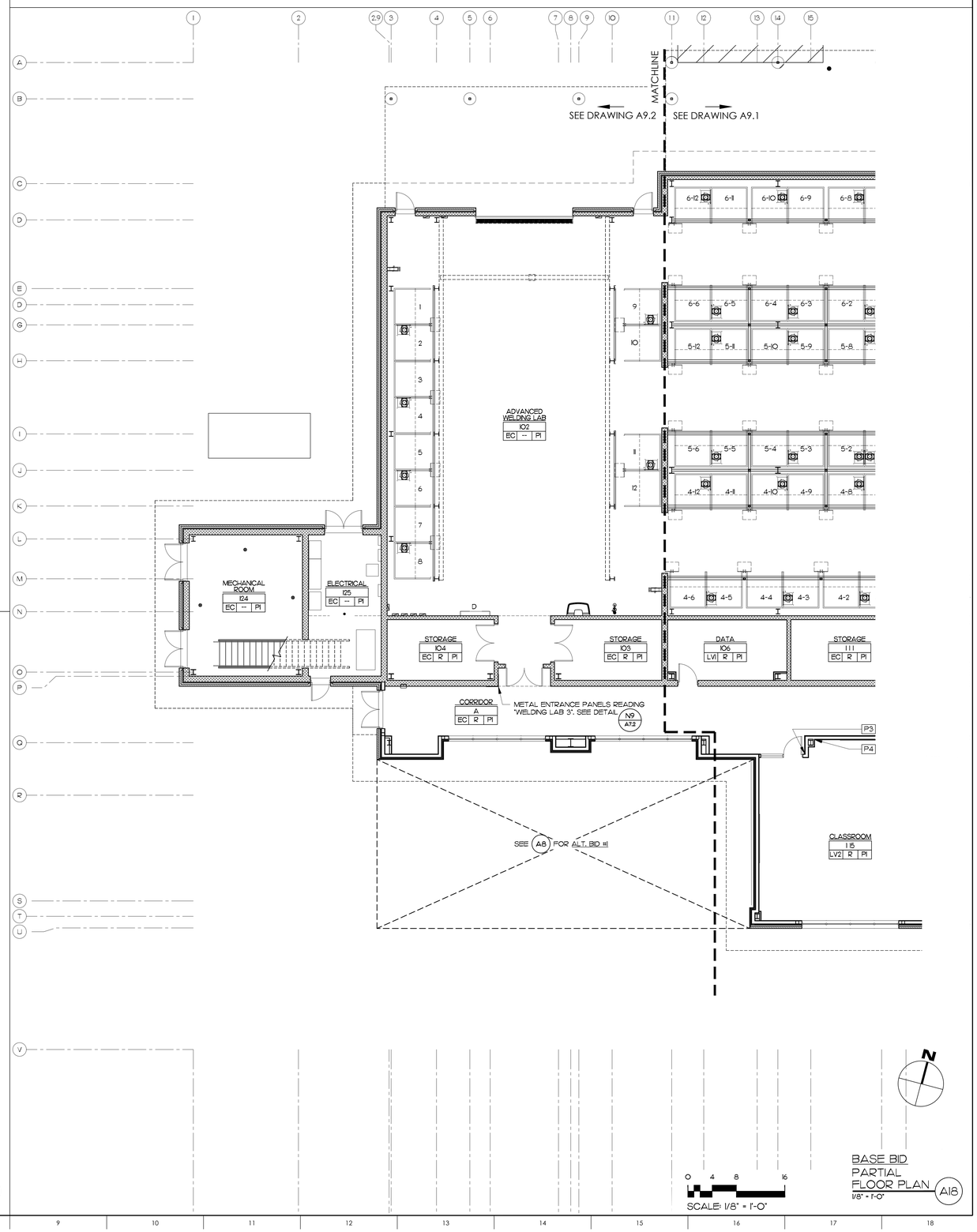
SCALE: 1/8" = 1'-0"	DRAWING NO: A9.1
DRAWN: MCZ	
CHECKED: JKF	
DATE: 2-15-2024	
PROJECT NO.: 2022-07	



CORRIDOR "A" REFLECTED CEILING PLAN P18
1/8" = 1'-0"



ALT. BID #1
TWO CLASSOOMS A8
1/8" = 1'-0"



BASE BID
PARTIAL
FLOOR PLAN A1.8
1/8" = 1'-0"

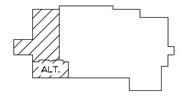
SCALE: 1/8" = 1'-0"

MATERIALS KEYING LEGEND

GENERAL NOTES

L SEE A5.1 AND A5.2 FOR REFLECTED CEILING PLAN PAINT LOCATIONS.

KEY PLAN



SCO ID #22-25191-01A; NCCCS #2675

NO	REVISION	DATE

SEAL

JOHN K. FARKAS
REGISTERED ARCHITECT
3/19/2024
5922
NORTH CAROLINA
ARCHITECT

JKF ARCHITECTURE

625 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1048

PITT COMMUNITY COLLEGE
NEW WELDING BUILDING
WINTERVILLE, NC

DRAWING TITLE
BASE BID - PARTIAL FLOOR PLAN,
ALT. BID #1 - TWO CLASSROOMS,
ARCHITECTURAL FINISHES

SCALE	1/8" = 1'-0"
DRAWN	MCZ
CHECKED	JKF
DATE	2-15-2024
PROJECT NO.	2022-07
DRAWING NO.	A9.2

GENERAL NOTES:

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
STRUCTURAL DESIGN

DESIGN LOADS:

RISK CATEGORY: II

LIVE LOADS: ROOF 20 PSF
SLAB ON GRADE 100 PSF (OFFICE AREA)
150 PSF (MECHANICAL ROOMS)
250 PSF (LABORATORY)
MEZZANINE 125 PSF

GROUND SNOW LOAD: 10 PSF

DEAD LOADS: ROOF 20 PSF
MEZZANINE 50 PSF

WIND LOAD: ULTIMATE WIND SPEED 122 MPH (ASCE-7)
EXPOSURE CATEGORY C
DRIFT H/400

SEISMIC DESIGN CATEGORY: B
RISK CATEGORY (TABLE 1604.5) II
SPECTRAL RESPONSE ACCELERATION S_S 12.5%G S_1 6.4%G
RESPONSE MODIFICATION COEFFICIENT, R = 3.5
SEISMIC RESPONSE COEFFICIENT, CS = 0.038
DESIGN BASE SHEAR, V = 0.038W
SITE CLASSIFICATION (ASCE 7): D
DATA SOURCE: GEOTECHNICAL ENGINEERING REPORT
BASIC STRUCTURAL SYSTEM: STRUCTURAL STEEL SYSTEM NOT DETAILED FOR SEISMIC RESISTANCE
ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE
ARCHITECTURAL, MECHANICAL, COMPONENTS ANCHORED: NOT REQUIRED

LATERAL DESIGN CONTROL: WIND LOADS

SOIL BEARING CAPACITIES:
2,000 PSF

GENERAL NOTES:

1. ALL WORK SHALL COMPLY WITH THE CODES LISTED BELOW AND IN THE SPECIFICATIONS.
2. THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE PROVISIONS OF THE INTERNATIONAL BUILDING CODE, 2015 EDITION, AS ADOPTED BY THE 2018 NORTH CAROLINA STATE BUILDING CODE, EFFECTIVE JANUARY 01, 2019.
3. VERIFY ALL DRAWINGS FOR COORDINATION BETWEEN TRADES, LOCATE SLOTS, SLEEVES AND TRENCHES AS REQUIRED FOR MECHANICAL TRADES. PROVIDE AND INSTALL ANCHORS, INSERTS, HANGERS, ETC. AS REQUIRED FOR VARIOUS TRADES.
4. SUBMIT SHOP DRAWINGS OF REINFORCEMENT DETAILS, STRUCTURAL STEEL, ETC. FOR APPROVAL BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL CHECK ALL DIMENSIONS AND ACCEPT FULL RESPONSIBILITY FOR DIMENSIONAL CORRECTNESS.
5. UNDER NO CIRCUMSTANCES SHALL REPRODUCTION OF CONTRACT DRAWINGS BE USED AS SHOP DRAWINGS.
6. PROVIDE ALL TEMPORARY GUYING AND BRACING REQUIRED TO ERECT AND HOLD THE STRUCTURE IN PROPER ALIGNMENT UNTIL ALL STRUCTURAL WORK AND CONNECTIONS HAVE BEEN COMPLETED.
7. LOADING APPLIED TO THE STRUCTURE DURING THE PROCESS OF CONSTRUCTION SHALL NOT EXCEED THE SAFE LOAD-CARRYING CAPACITY OF THE STRUCTURAL MEMBERS. THE LIVE LOADINGS USED IN THE DESIGN OF THIS STRUCTURE ARE INDICATED ABOVE. DO NOT APPLY ANY CONSTRUCTION LOADS UNTIL ALL STRUCTURAL FRAMING IS PROPERLY CONNECTED TOGETHER AND UNTIL ALL TEMPORARY BRACING IS IN PLACE.
8. IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITION OF JOB SITE INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK.
9. THE DUTY OF THE ARCHITECT IN CONDUCTING CONSTRUCTION REVIEW OF CONTRACTOR'S PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF ADEQUACY OF CONTRACTOR'S SAFETY MEASURES IN, ON, OR NEAR THE CONSTRUCTION SITE.
10. TYPICAL DETAILS AND GENERAL NOTES APPLY TO ALL PARTS OF THE JOB EXCEPT WHERE SPECIFICALLY DETAILED OR NOTED OTHERWISE.
11. STRUCTURAL DRAWINGS SHOW ONLY THE BASIC STRUCTURAL FRAMING. REFER TO ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR NON-STRUCTURAL ITEMS WHICH REQUIRE SPECIAL PROVISIONS DURING THE CONSTRUCTION OF THE STRUCTURAL FRAME.
12. INFORM THE PROFESSIONAL OF RECORD IN WRITING OF ANY DEVIATION FROM THE CONTRACT DOCUMENTS. THE CONTRACTOR IS NOT RELIEVED OF THE RESPONSIBILITY OF SUCH DEVIATION BY THE PROFESSIONAL OF RECORD REVIEW OF SHOP DRAWINGS, PRODUCT DATA, ETC. UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE PROFESSIONAL OF RECORD OF SUCH DEVIATION AT THE TIME OF SUBMISSION, AND THE PROFESSIONAL OF RECORD HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION.
13. MECHANICAL UNIT WEIGHTS AND LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE. CONTRACTOR SHALL VERIFY LOCATIONS AND WEIGHTS SHOWN AND REPORT DISCREPANCIES TO THE ARCHITECT.

FOUNDATION NOTES:

1. FOUNDATIONS FOR THIS STRUCTURE HAVE BEEN DESIGNED IN ACCORDANCE WITH THE RECOMMENDATIONS IN THE GEOTECHNICAL EXPLORATION REPORT, PREPARED BY TERRACON CONSULTANTS, INC DATED MAY 3, 2023.
2. PERFORM ALL EARTHWORK IN ACCORDANCE WITH THE SPECIFICATIONS.
3. THE ENTIRE STRUCTURE SHALL BE FOUNDED ON VERY WELL COMPACTED STRUCTURAL FILL OR UNDISTURBED SOIL WITH A DESIGN BEARING PRESSURE OF 2000 P.S.F.
4. PRIOR TO PLACING FOUNDATION CONCRETE, ALL FOUNDATION EXCAVATIONS SHALL BE INSPECTED BY THE TESTING AGENCY TO VERIFY THE EXTENT OF ANY LOOSE, SOFT, OR UNSATISFACTORY SOIL AND TO VERIFY THE DESIGN BEARING PRESSURE. THE TESTING AGENCY WILL PROVIDE DIRECTION FOR CORRECTIVE ACTION WHERE REQUIRED.
5. DO NOT INSTALL FOUNDATION WORK UNTIL IT HAS BEEN COORDINATED WITH ADJACENT UNDERGROUND UTILITIES. FOOTINGS SHALL BE SLEEVED OR LOWERED WHERE REQUIRED. DO NOT INSTALL UTILITIES UNDER ISOLATED COLUMN FOOTINGS. INSTALL UTILITIES PERPENDICULAR TO WALL FOOTINGS. INSTALL SLEEVES TO ACCOMMODATE PLUMBING OR UTILITY LINES PRIOR TO POURING FOOTING CONCRETE OR LOWER FOOTINGS SO PLUMBING OR UTILITY LINES OCCUR OVER THE TOP OF THE FOOTINGS. REFER TO TYPICAL DETAILS.
6. DO NOT PUT IN UNBALANCED BACKFILL AGAINST FOUNDATION WALLS UNLESS WALLS ARE SECURELY BRACED AGAINST OVERTURNING.
7. FROST LINE DEPTH IS 12" BELOW GRADE. BOTTOM OF EXTERIOR FOUNDATIONS SHALL BEAR A MINIMUM OF 16" BELOW FINAL GRADE. LOWER FOOTINGS AS REQUIRED TO MAINTAIN COVERAGE.

CAST IN PLACE CONCRETE NOTES:

1. CAST IN PLACE CONCRETE MUST COMPLY WITH THE AMERICAN CONCRETE INSTITUTE (ACI- 318), COMMENTARY, (ACI-318R), AND THE SPECIFICATIONS FOR STRUCTURAL CONCRETE (ACI 301).
2. DETAILING OF ALL CONCRETE STEEL REINFORCEMENT MUST BE IN ACCORDANCE WITH THE MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES (ACI-315).
3. ALL CONCRETE MUST BE NORMAL WEIGHT, UNLESS OTHERWISE NOTED, CONCRETE HAVING A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS AS FOLLOWS:
   A) SLAB ON GRADE 4,000 PSI
   B) FOUNDATIONS & MEZZANINE 3,000 PSI
   C) CONCRETE NOT OTHERWISE NOTED 4,000 PSI
   D) CONCRETE EXPOSED TO WEATHER MUST BE AIR ENTRAINED.
4. ALL REINFORCING MUST BE AS FOLLOWS:
   A) REINFORCING BARS - ASTM A-615, GRADE 60
   B) WELDED REINFORCING BARS - ASTM A706, GRADE 60
   C) WELDED WIRE REINFORCEMENT - ASTM A-1064 FLAT SHEET TYPE, ROLL TYPE NOT ACCEPTABLE.
5. WELDED WIRE REINFORCEMENT MUST BE PROPERLY SUPPORTED PRIOR TO PLACING CONCRETE. HOOKING OF FABRIC IS NOT PERMITTED.
6. UNLESS OTHERWISE NOTED, REINFORCING STEEL MARKED CONTINUOUS (CONT.) MUST BE LAPPED PER THE REINFORCING LAP SCHEDULE.
7. HOLD ALL REINFORCING STEEL SECURELY IN PLACE TO PREVENT DISLOCATION DURING THE POURING OPERATION. SUPPORT SLAB REINFORCING BARS ON HIGH CHAIRS AND BAR SPACERS OF SUITABLE DESIGN, OR CONCRETE BLOCKS HAVING THE SAME MINIMUM COMPRESSIVE STRENGTH OF THE CONCRETE SLAB.
8. DO NOT PLACE CONCRETE UNTIL ALL EMBEDDED WORK HAS BEEN INSTALLED, TESTED AND INSPECTED.
9. EXCEPT AS OTHERWISE SHOWN MINIMUM PROTECTION (CONCRETE COVER) FOR REINFORCING STEEL MUST BE AS FOLLOWS:

   CONCRETE SURFACES CAST AGAINST SOIL: 3"
   CONCRETE SURFACES EXPOSED TO EARTH OR WEATHER: 2"
   INTERIOR CONCRETE SURFACES: 1" FOR 4" SLABS, 1½" FOR 6" SLABS, 1¾" FOR 7" SLABS

CONCRETE MASONRY NOTES:

1. MASONRY CONSTRUCTION MUST COMPLY WITH THE MASONRY SOCIETY "BUILDING CODE FOR MASONRY STRUCTURES" (TMS 402-2016) AND "SPECIFICATION FOR MASONRY STRUCTURES" (TMS 602-2016).
2. CONCRETE MASONRY UNITS MUST CONFORM TO ASTM C90 AND BE MADE WITH LIGHTWEIGHT AGGREGATE. THE COMPRESSIVE STRENGTH OF MASONRY, F'm, EXPRESSED AS FORCE PER UNIT OF NET CROSS-SECTIONAL AREA, MUST BE 2,000 PSI AT 28 DAYS.
3. MORTAR MUST CONFORM TO ASTM C270, TYPE S. AGGREGATE FOR MORTAR MUST COMPLY WITH ASTM C144.
4. GROUT MUST CONFORM TO ASTM C476 AND MUST HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2,500 PSI. SLUMP AT POINT OF PLACEMENT MUST BE BETWEEN 8 AND 11 INCHES.
5. ALL REINFORCING BARS MUST CONFORM TO ASTM A615, GRADE 60. SHOP FABRICATED BARS SHOWN TO BE BENT OR HOOKED. BARS MUST BE LAPPED AS FOLLOWS: #4-20", #5-30", #6-54", #7-63", #8-72", #9-81".
6. REBAR DOWELS MUST BE THE SAME SIZE AND SPACING AS VERTICAL REINFORCING FROM FOUNDATION. DOWELS MUST HAVE STANDARD ACI HOOKS.
7. PROVIDE BAR POSITIONERS FOR VERTICAL REINFORCING AT A MAXIMUM SPACING OF 200 BAR DIAMETERS, AT GROUT LIFT HEIGHTS, OR BAR SPLICE LOCATIONS, WHICHEVER IS LESS.
8. GROUTING MUST BE STOPPED 1-1/2" BELOW THE TOP OF A COURSE SO AS TO FORM A KEY AT THE POUR JOINT.
9. ALL BOLTS, ANCHORS, ETC. PLACED IN THE WALL, MUST BE GROUTED SOLID INTO POSITION.
10. GROUT ALL CMU CELLS SOLID BELOW FINISHED FIRST FLOOR.
11. HORIZONTAL JOINT REINFORCING MUST BE STANDARD 9 GAGE LADDER TYPE IN CMU WALLS AT 16" ON-CENTER. JOINT REINFORCING MUST COMPLY WITH ASTM A951.
12. DISCONTINUE ALL HORIZONTAL REINFORCING AT CONTROL JOINTS EXCEPT FOR BOND BEAMS AT JOIST BEARING ELEVATIONS. HORIZONTAL BOND BEAMS MUST HAVE CONTINUOUS REINFORCING AS SHOWN IN THE SECTIONS AND DETAILS.

COLD-FORMED STEEL FRAMING NOTES:

1. EXTERIOR WALL STUDS FOR THIS STRUCTURE HAS BEEN DESIGN IN ACCORDANCE WITH THE AMERICAN IRON AND STEEL INSTITUTE (AISI) "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" LATEST EDITION.
2. EXTERIOR WALL STUDS MUST BE 600S200-54 SPACED AT 16" ON CENTER UNLESS OTHERWISE NOTED. STUDS SHALL BE FULL HEIGHT (NO SPLICES) FROM FOUNDATION TO ROOF. AT TWO SPAN CONDITION, PROVIDE WEB STIFFENERS AT INTERMEDIATE SUPPORT. STUDS SHALL HAVE THE MINIMUM EFFECTIVE PROPERTIES:
   Sxe= 1.002 IN^3 Ixe = 3.319 IN^4
3. TRACKS MUST BE 600T150-54 UNLESS OTHERWISE NOTED. ATTACH EACH STUD TO TRACK WITH #10 TEK SCREWS EACH SIDE UNLESS OTHERWISE NOTED.
4. THE STUD DESIGNATION 600S200 INDICATES THE FOLLOWING:
   600 = OVERALL DEPTH IN INCHES (600 = 6" INCHES)
   S = SECTION TYPE (STUD, TRACK)
   200 = FLANGE WIDTH IN INCHES (200 = 2", 162 = 1 5/8")
   54 = THICKNESS IN MILS(68 = 14 GAGE, 54 = 16 GAGE, 43 = 18 GAGE)
5. ALL GALVANIZED STUDS 16 GAGE AND HEAVIER SHALL BE FORMED FROM STEEL CORRESPONDING TO THE REQUIREMENTS OF ASTM A653, GRADE 50, WITH MINIMUM YIELD OF 50,000 PSI.
6. ALL GALVANIZED STUDS LIGHTER THAN 18 GAGE AND LIGHTER, TRACK, BRIDGING, AND ACCESSORIES SHALL BE FORMED FROM STEEL CORRESPONDING TO THE REQUIREMENTS OF ASTM A653, GRADE 33, WITH A MINIMUM YIELD OF 33,000 P.S.I.
7. WELDING SHALL BE IN ACCORDANCE WITH AWS D1.3, "STRUCTURAL WELDING CODE - SHEET STEEL".
8. PROVIDE MECHANICAL BRIDGING OR FULL DEPTH BLOCKING AT 8'-0" ON CENTER OR AT 1/3 POINTS OF THE MEMBER SPAN, WHICHEVER IS LESS.
9. PROVIDE TEMPORARY BRACING AND GUYING OF COLD FORMED STEEL FRAMING FOR THE SAFETY OF THE STRUCTURE AND WORK PERSONNEL. BRACING SHALL REMAIN UNTIL NO LONGER REQUIRED FOR SAFE SUPPORT OF FRAMING.
10. ALL CONNECTION SCREWS SHALL BE ZINC COATED (UON).

STRUCTURAL STEEL NOTES:

1. STRUCTURAL STEEL MUST COMPLY WITH THE FOURTEENTH EDITION OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC 360-16) "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS".
2. STRUCTURAL STEEL MUST BE NEW, CLEAN, AND STRAIGHT, AND CONFORM TO THE FOLLOWING:
   A) STEEL W- AND WT SHAPES - ASTM A992, GRADE 50
   B) RECTANGULAR AND SQUARE HSS SHAPES - ASTM A500, GRADE C
   C) ROUND HSS - ASTM A500 GRADE C
   D) ANCHOR RODS - ASTM F1554, GRADE 36
   E) HIGH STRENGTH BOLTS - ASTM A325
   F) ALL OTHER STEEL SHAPES - ASTM A36, UNLESS OTHERWISE NOTED
3. UNLESS OTHERWISE NOTED, ALL CONNECTIONS MUST BE STANDARD SHEAR BEAM CONNECTIONS. THE FABRICATOR IS RESPONSIBLE FOR DESIGNING ALL CONNECTIONS. WHERE REACTIONS ARE NOT INDICATED ON PLAN, CONNECTIONS MUST BE DESIGNED FOR ½ OF THE TOTAL ALLOWABLE UNIFORM LOAD FOR LATERALLY SUPPORTED BEAMS GIVEN IN PART 3 OF THE "STEEL CONSTRUCTION MANUAL". CONNECTION DETAILS MUST BE IN ACCORDANCE WITH AISC STANDARDS.
4. UNLESS OTHERWISE NOTED WELD ALL SHOP CONNECTIONS AND BOLT ALL FIELD CONNECTIONS. THE FABRICATOR IS RESPONSIBLE FOR THE DESIGN OF ALL CONNECTIONS. REFER TO SPECIFICATIONS.
5. SHOW ALL HOLES REQUIRED IN STRUCTURAL STEEL MEMBERS FOR PIPING ON THE SHOP DRAWINGS AND MAKE THEM IN THE SHOP. DO NOT CUT HOLES IN THE FIELD WITHOUT THE APPROVAL OF THE REGISTERED DESIGN PROFESSIONAL OF RECORD.
6. WELDING MUST COMPLY WITH THE "STRUCTURAL WELDING CODE - STEEL" (AWS D1.1). WELD ELECTRODES MUST BE E70XX.UNLESS OTHERWISE NOTED, MINIMUM WELD SIZE MUST BE 3/16" CONTINUOUS FILLET WELDS
7. REFER TO THE ARCHITECTURAL, CIVIL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR ADDITIONAL STEEL (IF ANY) NOT SHOWN ON THE STRUCTURAL DRAWINGS.
8. UNLESS OTHERWISE NOTED, THE TOP OF ALL STEEL COLUMNS MUST HAVE A STEEL CAP PLATE. UNLESS OTHERWISE NOTED, MINIMUM CAP PLATE DIMENSIONS MUST MATCH COLUMN WIDTH AND DEPTH, AND MINIMUM THICKNESS MUST EQUAL COLUMN WEB THICKNESS, OR ½" MINIMUM.
9. ALL SHELF ANGLES, LINTEL ANGLES, AND OTHER ITEMS MARKED "GALVANIZED" MUST BE GALVANIZED IN ACCORDANCE TO ASTM A123 OR ASTM A153. GALVANIZE AFTER FABRICATION WHERE PRACTICAL. REPAIR DAMAGED GALVANIZED COATING USING ASTM A780 ZINC-RICH PAINT.

OPEN WEB STEEL JOIST NOTES:

1. OPEN-WEB STEEL JOIST MUST COMPLY WITH THE STANDARD SPECIFICATION FOR OPEN WEB JOISTS OF THE STEEL JOIST INSTITUTE (SJI), LATEST EDITION.
2. OPEN-WEB STEEL JOIST MUST HAVE A MINIMUM BEARING LENGTH AS FOLLOWS:
   ON STEEL - 'K' SERIES = 2 ½"
   ON MASONRY - AS DETAILED
3. WELD ALL STEEL JOISTS WHEREVER THEY BEAR ON STRUCTURAL STEEL MEMBERS, IN ACCORDANCE WITH THE S.J.I AND THE A.I.S.C SPECIFICATIONS
4. PREPARE AND SUBMIT SHOP DRAWINGS INDICATING THE JOIST LAYOUT, SPECIAL CONNECTIONS, AND ACCESSORIES. INCLUDE MARK, NUMBER, TYPE, LOCATION, AND SPACING OF JOISTS AND BRIDGING.
5. THE JOIST MANUFACTURER IS RESPONSIBLE FOR CONTINUOUS JOIST BRIDGING LINES SATISFYING THE REQUIREMENTS OF THE SJI SPECIFICATION FOR THE TOP AND BOTTOM CHORDS OF ALL STEEL JOISTS, AS WELL AS ANY ADDITIONAL BRIDGING / BRACING SHOWN ON THE DRAWINGS OR REQUIRED FOR JOISTS SUBJECTED TO NET UPLIFT OF OTHER SPECIAL LOADS. PROVIDE JOIST BRIDGING REQUIRED AT CHANGES OF JOIST DEPTHS AND AT ENDS OF ALL BRIDGING LINES UNLESS SUCH ENDS ARE PROPERLY ANCHORED INTO THE INTERSECTING INTERIOR OR END WALLS.
6. REFER TO DESIGN CRITERIA NOTES FOR NET UPLIFT LOAD ON ROOF JOISTS. A SINGLE LINE OF BOTTOM CHORD BRIDGING MUST BE PROVIDED NEAR THE FIRST BOTTOM CHORD PANEL POINTS WHENEVER UPLIFT LOADS OCCUR.
7. INSTALL JOIST BRIDGING AND CONNECTIONS COMPLETELY PRIOR TO PLACING ANY CONSTRUCTION LOADS ON THE JOISTS. CONSTRUCTION LOADING MUST NOT EXCEED THE JOIST DESIGN LOAD.
8. REINFORCE CONCENTRATED LOADS EXCEEDING 100 POUNDS AND NOT LOCATED AT JOIST PANEL POINTS PER THE TYPICAL DETAIL.

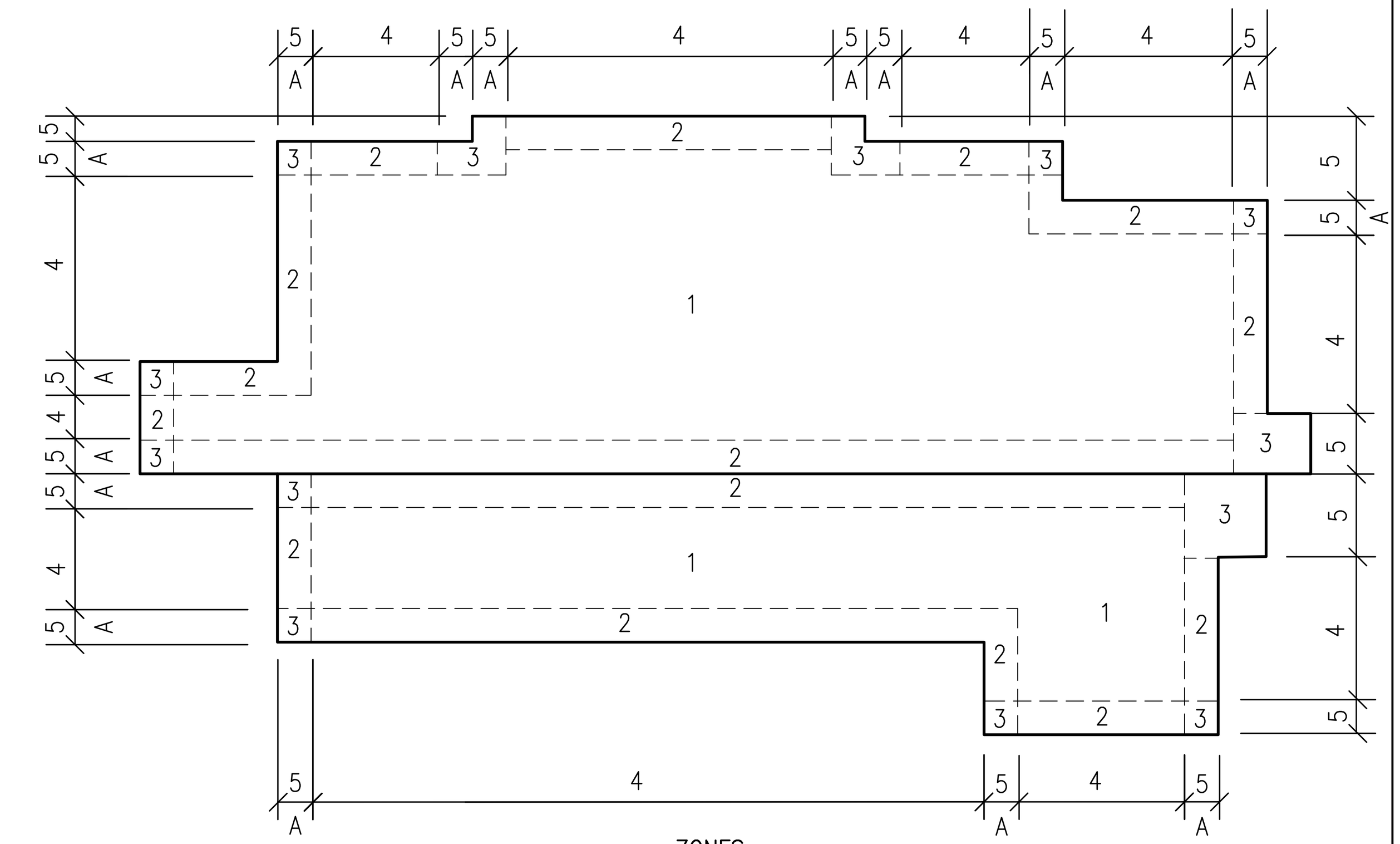
STEEL DECK NOTES:

1. STEEL DECK MUST CONFORM TO THE LATEST EDITION OF THE AMERICAN IRON AND STEEL INSTITUTE (AISI), "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL STEEL MEMBERS" AND THE STEEL DECK INSTITUTE (SDI) "DESIGN MANUAL FOR COMPOSITE DECKS, FORM DECKS AND ROOF DECKS".
2. ATTACH ROOF DECK TO SUPPORTS WITH ⅝" DIAMETER ARC SPOT WELDS IN ALL RIBS WHERE SIDELAPS OCCUR AND AT 12 INCHES ON CENTER ALONG SUPPORTS. FASTEN ADJACENT DECK UNITS ALONG SIDELAPS WITH #10 SELF TAPPING HEX HEAD SCREWS AT 1/3 POINTS BETWEEN SUPPORTS. FASTEN EDGEMOST DECK PANEL TO SUPPORTS WITH ⅝" DIAMETER ARC SPOT WELDS AT SAME SPACING AS SIDELAP FASTENERS.
3. AS AN ALTERNATIVE TO ARC SPOT WELDS, MECHANICAL FASTENERS MAY BE USED. INSTALL POWDER-ACTUATED FASTENERS OR SCREW FASTENERS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. PROVIDE EQUIVALENT LOAD VALUES SHOWING THE MECHANICAL FASTENERS MEET OR EXCEED THE PROVIDED LOAD CRITERIA. FASTENERS MUST BE SDI LISTED FOR DIAPHRAGM DESIGN AND WIND UPLIFT, AND FM LISTED FOR FIRE RESISTANCE AND WIND UPLIFT. FASTENERS MUST BE RECOGNIZED BY ICC-ES FOR DIAPHRAGM SHEAR STRENGTH IN ACCORDANCE WITH THE LATEST VERSION OF ICC-ES AC43.
4. SPAN DECK PERPENDICULAR TO SUPPORTS, CONTINUOUS OVER A MINIMUM OF THREE SPANS. PROVIDE FULL SHEETS ON EDGES OF DIAPHRAGMS.
5. WELDING MUST BE IN ACCORDANCE WITH AWS D1.3, "STRUCTURAL WELDING CODE - SHEET STEEL". FIELD WELDS MUST BE WIRE BRUSHED AND PAINTED WITH RICH ZINC PAINT.
6. PROVIDE SUPPORTS ON ALL SIDES OF DECK OPENINGS MEASURING GREATER THAN 12" ON ANY SIDE OF OPENING. SPAN SUPPORTS BETWEEN ADJACENT BEAMS OR JOISTS ON TWO SIDES. UNLESS OTHERWISE NOTED USE L4X4X1/4. COORDINATE OPENING SIZES, LOCATIONS, AND DETAILS WITH ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS.
7. DO NOT HANG OR SUPPORT ANY PERMANENT LOADS FROM METAL ROOF DECK.
8. DURING STEEL DECK ERECTION DISTRIBUTE CONSTRUCTION LOADS TO PREVENT DAMAGE TO DECK. CONCENTRATED CONSTRUCTION LOADS OF 150 POUNDS OR LESS DISTRIBUTED OVER A 1'-0" WIDE SECTION OF DECK MUST NOT REQUIRE ANY FURTHER DISTRIBUTION. USE WORKING PLATFORMS FOR CONCENTRATED LOADS OF OVER 150 POUNDS, SUCH THAT THE RESULTING UNIFORM CONSTRUCTION LOAD ON THE DECK DOES NOT EXCEED 50 PSF.

ULTIMATE COMPONENTS AND CLADDING WIND PRESSURES

AREA (SF)	ROOF ZONES						WALL ZONES			
	1		2		3		4		5	
A<10	+16.0	-38.9	+16.0	-44.9	+16.0	-60.1	+32.8	-35.5	+32.8	-43.7
A=/>100	+16.0	-38.9	+16.0	-41.9	+16.0	-41.9	+28.0	-30.7	+28.0	-34.1

INTERPOLATE BETWEEN AREAS INDICATED.
MULTIPLY ULTIMATE PRESSURES BY 0.6 TO EQUATE TO ALLOWABLE PRESSURE.
CORNER ZONES, A = 8 FEET.
REFER TO SKETCH FOR ZONE DEFINITIONS.
TO CALCULATE NET UPLIFT, SUBTRACT 8 PSF FROM PRESSURES LISTED ABOVE.



ZONES

MATERIALS KEYING LEGEND

GENERAL NOTES

KEY PLAN

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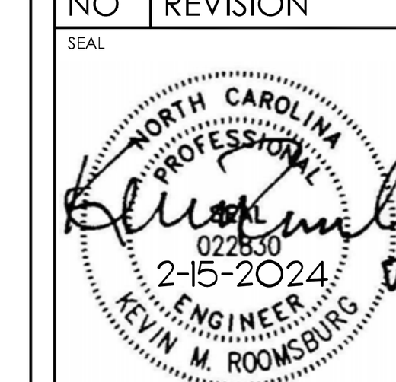
SEAL



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PITT COMMUNITY COLLEGE
NEW WELDING BUILDING
WINTERVILLE, NC

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GENERAL NOTES:

POST-INSTALLED ANCHOR NOTES:

1. POST-INSTALLED ANCHORS MUST COMPLY WITH THE AMERICAN CONCRETE INSTITUTE (ACI- 318-14). SUBMIT CALCULATIONS DEMONSTRATING THAT THE PRODUCT IS CAPABLE OF ACHIEVING THE PERFORMANCE VALUES INDICATED IN THE DRAWINGS. PRODUCT MUST HAVE AN ICC ESR SHOWING COMPLIANCE WITH THE RELEVANT BUILDING CODE.
2. PROVIDE ANCHORS WITH A MINIMUM ALLOWABLE CAPACITY AS LISTED BELOW. THE CAPACITIES ARE BASED ON COMBINED SHEAR AND TENSION LOADING:

   MASONRY:
   ¾" ANCHOR: SHEAR = 1600 LB, TENSION = 1850 LB
3. ANCHOR CAPACITY IS DEPENDENT ON SPACING BETWEEN ADJACENT ANCHORS AND EDGE DISTANCE. INSTALL ANCHORS IN ACCORDANCE WITH SPACING AND EDGE DISTANCES INDICATED IN THE DRAWINGS.
4. INSTALL ANCHORS PER THE MANUFACTURER INSTRUCTIONS, AS INCLUDED IN THE ANCHOR PACKAGING.
5. DRILL CORRECT HOLE SIZES FOR MECHANICAL ANCHORS WITH CARBIDE-TIPPED DRILL BITS MEETING THE DIAMETER REQUIREMENTS OF ANSI B212.15.
6. DRILL HOLES WITH A HAMMER DRILL UNLESS OTHERWISE NOTED.
7. DO NOT DISTURB OR APPLY LOAD TO ADHESIVE ANCHORS PRIOR TO FULL CURE OF THE ADHESIVE.

ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS) NOTES:

1. STEEL SPECIFIED AS ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS) MUST MEET THE STRUCTURAL STEEL REQUIREMENTS, AS WELL AS THOSE DESCRIBED BELOW. REFER TO THE SPECIFICATIONS, AND AISC CODE OF STANDARD PRACTICE (SECTION 10) FOR OTHER AESS REQUIREMENTS.
2. ALL EXPOSED STRUCTURAL STEEL MUST MEET THE REQUIREMENTS OF AESS.
3. AESS MEMBERS ARE IDENTIFIED ON THE STRUCTURAL DRAWINGS DRAWINGS, AND/OR IN THE SPECIFICATIONS.
4. FABRICATE ALL AESS MEMBERS WITH EXPOSED SURFACES SMOOTH, SQUARE, AND FREE OF SURFACE BLEMISHES. REMOVE BLEMISHES BY FILLING OR GRINDING, OR BY WELDING AND GRINDING. ALL ERECTION / MILL MARKS (STENCILED, STAMPED, RAISED, ETC.) MUST BE REMOVED OR OMITTED.
5. GRIND SMOOTH SURFACES AND SEAMS OF HOLLOW HSS MEMBERS. SEAL OPEN ENDS OF HOLLOW HSS MEMBERS WITH A 3/8" CAP PLATE, UNLESS OTHERWISE NOTED.
6. PROVIDE WELDS OF UNIFORM SIZE AND PROFILE. GRIND ALL WELDS SMOOTH AND MEET THE TOLERANCES SET IN THE SPECIFICATIONS.
7. WELD ALL HOLLOW HSS MEMBER TO MEMBER CONNECTIONS ALL AROUND AND GRIND SMOOTH.
8. SHAPE ANY MEMBERS SPECIFIED TO BE ROLLED IN A FINAL CURVED SHAPE IN THE SHOP AND SECURED DURING SHIPPING TO PREVENT STRESS RELIEVING. REFER TO THE SPECIFICATIONS FOR TOLERANCES.
9. VERIFY THAT WELD SIZES, FABRICATION SEQUENCE, AND EQUIPMENT USED WILL LIMIT THE DISTORTIONS TO ALLOWABLE TOLERANCES.

STRUCTURAL DELEGATED DESIGNS AND DEFERRED SUBMITTALS NOTES:

STRUCTURAL DELEGATED DESIGNS AND SUBSEQUENT DEFERRED SUBMITTALS ARE FOR ELEMENTS, PARTS, OR PORTIONS OF THE OVERALL STRUCTURAL SYSTEM THAT ARE INDICATED OR REFERRED TO ON THESE DRAWINGS AND THAT ARE CRITICAL TO THE PERFORMANCE OF THE OVERALL STRUCTURAL SYSTEMS. DESIGN CRITERIA HAS BEEN PROVIDED FOR THESES ITEMS IN THE STRUCTURAL NOTES, PLANS, AND DETAILS.

STRUCTURAL DEFERRED SUBMITTALS ARE COMPLETE PACKAGES MUST BE SUBMITTED FOR REVIEW THAT INCLUDE DRAWINGS AND CALCULATIONS WITH SIGNED SEALS FOR ALL DELEGATED DESIGN ITEMS AND THEIR CONNECTIONS. DEFERRED SUBMITTALS SHALL BEAR THE STAMP AND SIGNATURE OF THE DESIGN PROFESSIONAL RESPONSIBLE FOR THEIR DESIGN.

THE STRUCTURAL ENGINEER OF RECORD WILL REVIEW STRUCTURAL DEFERRED SUBMITTALS TO VERIFY DESIGN CRITERIA IS COMPLIANT WITH THE APPROVED CONSTRUCTIONS DOCUMENTS.

DESIGN RESPONSIBILITY FOR THE FOLLOWING ENGINEERED SYSTEMS AND COMPONENT PARTS IS DELEGATED TO A QUALIFIED DELEGATED PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF NORTH CAROLINA SELECTED BY THE CONTRACTOR. STRUCTURAL DELEGATED DESIGN ITEMS REQUIRING DEFERRED SUBMITTALS INCLUDE, BUT ARE NOT LIMITED TO:

STRUCTURAL STEEL CONNECTIONS EXCEPT FOR PRIMARY LATERAL FORCE RESISTING SYSTEM CONNECTIONS, COLUMN BASE PLATE CONNECTIONS AND CONNECTIONS WHERE SPECIFIC WELD SIZES AND LENGTHS, BOLT SIZES AND QUANTITY, PLATE SIZES AND OTHER CONNECTION COMPONENTS ARE NOTED. WHERE SECTIONS AND DETAILS DO NOT SHOW SPECIFIC CONNECTION COMPONENT INFORMATION, CONNECTIONS SHOWN ARE SCHEMATIC REPRESENTATIONS AND REQUIRE DESIGN BY THE CONTRACTOR. DESIGN AND DETAIL DELEGATED ENGINEERED SYSTEM CONNECTIONS TO RESIST THE LOADS INDICATED.

STEEL FRAMED STAIRS AND RAILINGS.

RAILINGS.

CURTAIN WALL SYSTEMS.

OPEN WEB STEEL JOISTS, BRIDGING, BRACING CONNECTIONS AND RELATED COMPONENTS.

ALUMINUM CANOPY STRUCTURE.

ABBREVIATIONS LIST

ARCH	ARCHITECT	DIA	DIAMETER	HORZ	HORIZONTAL	PAF	POWDER ACTUATED FASTENERS	SECT	SECTION	W/O	WITH OUT
BLDG	BUILDING	DWGS	DRAWINGS	HS	HIGH STRENGTH	PEMB	PRE-ENGINEERED METAL BLDG	SHT	SHEET	CL/℄	CENTER LINE
BOTT	BOTTOM	EF	EACH FACE	INSUL	INSULATION	PJF	PREMOLDED JOINT FILLER	SPEC	SPECIFICATIONS	PL/⅊	PLATE
CMU	CONCRETE MASONRY UNIT	ELEV	ELEVATION	JT	JOINT	PSI	POUNDS PER SQUARE INCH	STL	STEEL	OC	ON CENTER
COL	COLUMN	EXP	EXPANSION	LSH	LONG SIDE HORIZONTAL	PSF	POUNDS PER SQUARE FOOT	TO	TOP OF	ø	DIAMETER
CONC	CONCRETE	FOUND	FOUNDATION	LSV	LONG SIDE VERTICAL	REF	REFERENCE	TYP	TYPICAL		
CONN	CONNECTION	FOB	FACE OF BRICK	LLV	LONG LEG VERTICAL	REINF	REINFORCING	UON	UNLESS OTHERWISE		
CONT	CONTINUOUS	FTG	FOOTING	MECH	MECHANICAL	REQ'D.	REQUIRED	VERT	VERTICAL		
DIAG	DIAGONAL	GALV	GALVANIZED	OPP	OPPOSITE	SCHED	SCHEDULE	WWF	WELDED WIRE FABRIC		

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MATERIALS KEYING LEGEND

GENERAL NOTES

KEY PLAN

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SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 022830 KEVIN M. ROOMSBURG 2-15-2024

J K F ARCHITECTURE

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PITT COMMUNITY COLLEGE
NEW WELDING BUILDING
WINTERVILLE, NC

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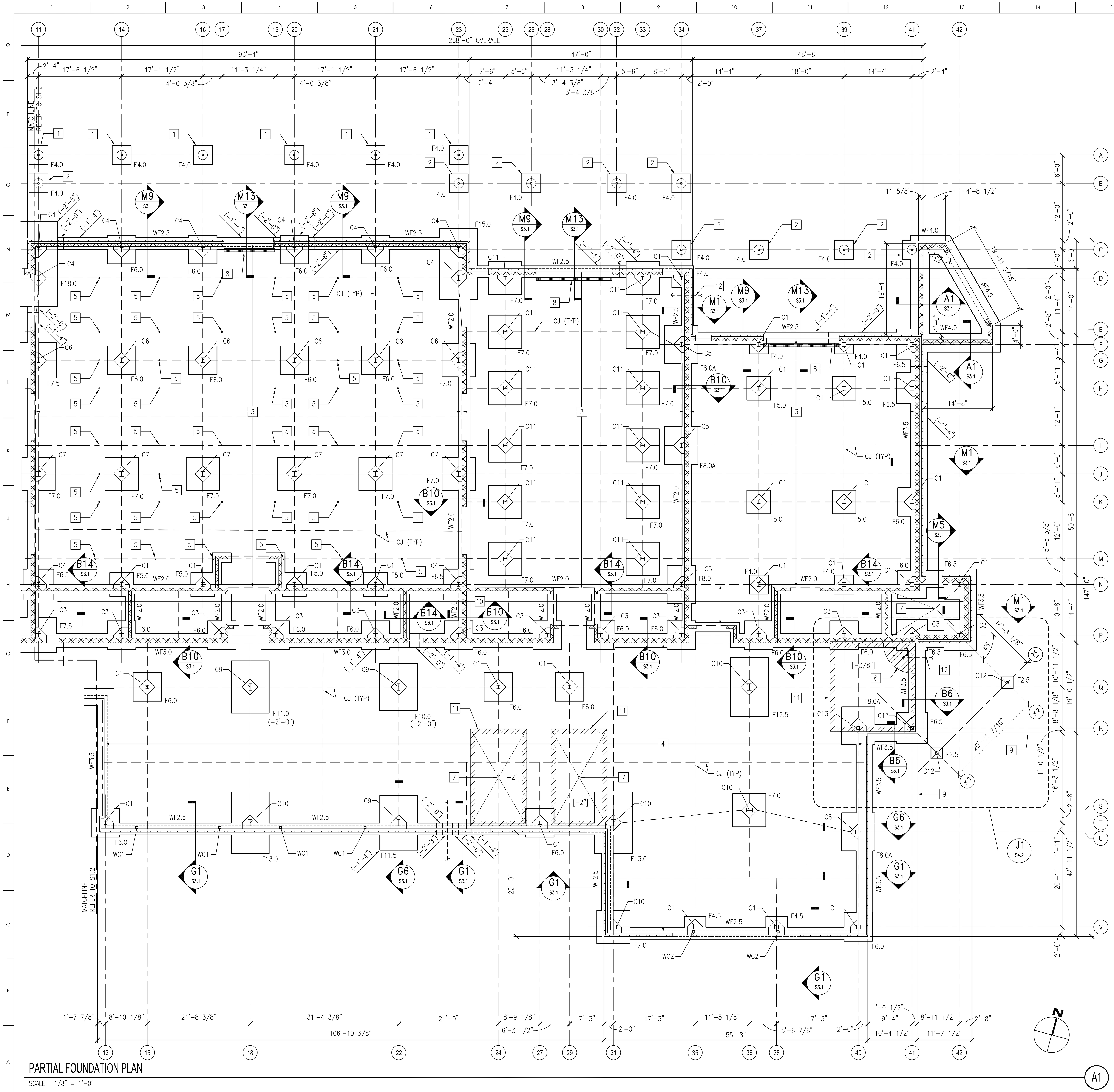


PARTIAL FOUNDATION PLAN
SCALE: 1/8" = 1'-0"

PLAN NOTES

1. DATUM FOR ALL ELEVATIONS GIVEN ON THIS PLAN IS FINISHED FIRST FLOOR = 0'-0". REFER TO ARCHITECTURAL SITE PLAN FOR ACTUAL ELEVATION.
2. TOP OF CONCRETE SLAB IS AT +0'-0" UNLESS OTHERWISE INDICATED THUS: X'-X" ON PLAN.
3. REFER TO WALL FOOTING SCHEDULE AND COLUMN FOOTING SCHEDULE FOR FOOTING SIZES AND REINFORCING.
4. UNLESS OTHERWISE NOTED PROVIDE A CONCRETE SLAB ON GRADE ON 15 MIL VAPOR RETARDER OVER 4" POROUS FILL MATERIAL. REFER TO SLAB KEY NOTES FOR SLAB THICKNESS AND REINFORCING.
5. UNLESS OTHERWISE NOTED THUS (-X'-X") ON PLAN, TOP OF ALL WALL AND COLUMN FOOTINGS SHALL BE AT ELEVATION (-1'-4"), INDICATING DISTANCE BELOW DATUM.
6. STEP FOOTING AS NECESSARY AT PLUMBING AND BELOW GRADE UTILITY LINES. REFER TO TYPICAL STEPPED FOOTING DETAIL ON SHEET S5.1. REFER TO MECHANICAL/PLUMBING DRAWINGS FOR EXACT LOCATIONS.
7. THE SYMBOL CJ INDICATES SLAB CONTROL JOINT, AND MAY BE A CONSTRUCTION JOINT OR SAWED JOINT. REFER TO TYPICAL SLAB CONTROL JOINT DETAILS ON SHEET S5.1.
8. WIND/JAMB COLUMN INDICATED WCX ON PLAN. REFER TO COLUMN SCHEDULE ON S5.1 AND TYPICAL WIND FRAME DETAIL ON S5.4.
9. GENERAL NOTES ARE LOCATED ON SHEET S0.1 AND S0.2 AND TYPICAL DETAILS ARE LOCATED ON SHEETS S5.1 TO S5.4.

KEY PLAN NOTES

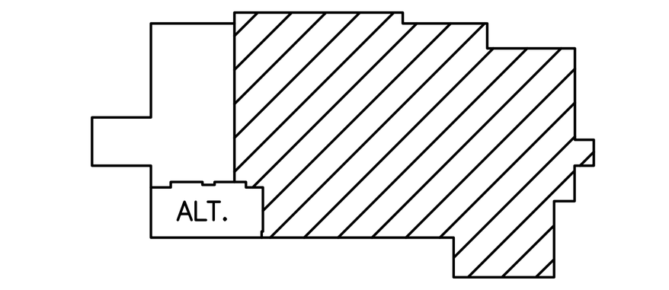
1. BASE BID CANOPY FOUNDATION, REFER TO G11/S3.1. FOR PREFABRICATED ALUMINUM CANOPY REFER TO ARCHITECTURAL DRAWINGS.
2. ALTERNATE BID ITEM #2 CANOPY FOUNDATION, REFER TO G11/S3.1. FOR PREFABRICATED ALUMINUM CANOPY REFER TO ARCHITECTURAL DRAWINGS.
3. PROVIDE A 7" CONCRETE SLAB ON GRADE. REINFORCE SLAB WITH 6x6-W2.9xW2.9 WELDED WIRE FABRIC LOCATED 1¾" FROM TOP OF SLAB.
4. PROVIDE A 4" CONCRETE SLAB ON GRADE. REINFORCE SLAB WITH 6X6-W2.9XW2.9 WELDED WIRE FABRIC LOCATED 1" FROM TOP OF SLAB.
5. HSS3x3x¼ COLUMN FOR BUS DUCT SUPPORT, REFER TO G14/S3.1 TYPICAL BUS DUCT SUPPORT DETAIL AND ARCH DWGS FOR EXACT LOCATION.
6. DEPRESSED SLAB AT ENTRY MAT, REFER TO ARCH DWGS FOR EXACT SIZE AND LOCATION. REFER TO TYPICAL DEPRESSED SLAB DETAIL ON S5.1.
7. SLOPE SLAB TO DRAIN IN ROOMS WHERE THEY OCCUR, REFER TO ARCH DWGS. SLAB THICKNESS MAY BE REDUCED TO ACHIEVE SLOPE
8. TRENCH DRAIN, REFER TO ARCH AND PLUMBING DWGS FOR EXACT SIZE AND LOCATION.
9. EDGE OF BUILDING SLAB.
10. PROVIDE A 6" CONCRETE SLAB ON GRADE. REINFORCE SLAB WITH 6x6-W2.9xW2.9 WELDED WIRE FABRIC LOCATED 1½" FROM TOP OF SLAB.
11. DEPRESSED SLAB, REFER TO ARCH DWGS FOR EXACT SIZE AND LOCATION. REFER TO TYPICAL DEPRESSED SLAB DETAIL ON S5.1.
12. REFER TO S5.1 FOR PLUMBING LINE UNDER FOOTING DETAIL.

GRAPHIC SCALE:
1/8" = 1'-0" 0 4' 8' 16'

MATERIALS KEYING LEGEND

GENERAL NOTES

KEY PLAN



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NO	REVISION	DATE

JKF ARCHITECTURE

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PITT COMMUNITY COLLEGE
NEW WELDING BUILDING
WINTERVILLE, NC

DRAWING TITLE
PARTIAL FOUNDATION PLAN

SCALE	1/8" = 1'-0"
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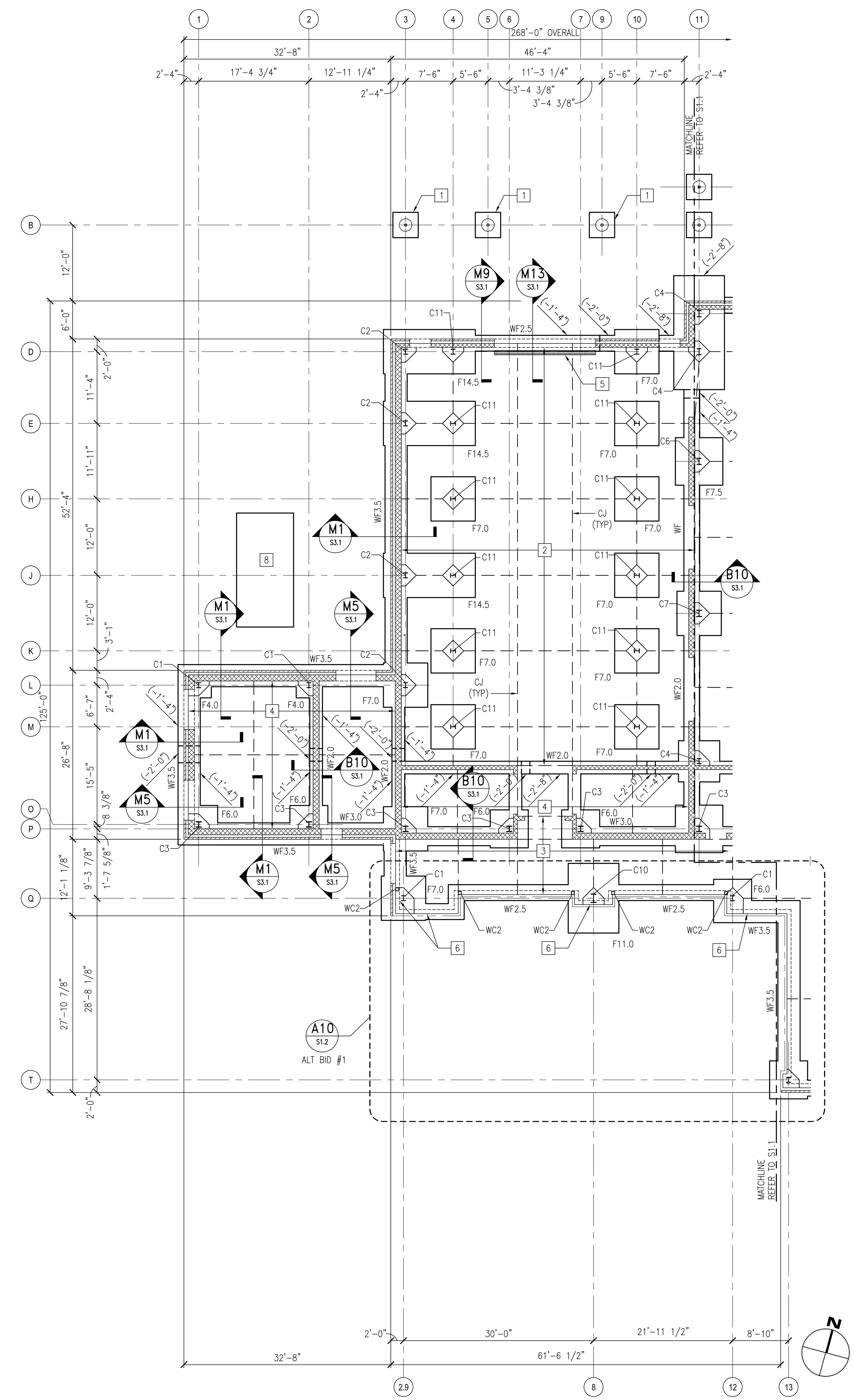
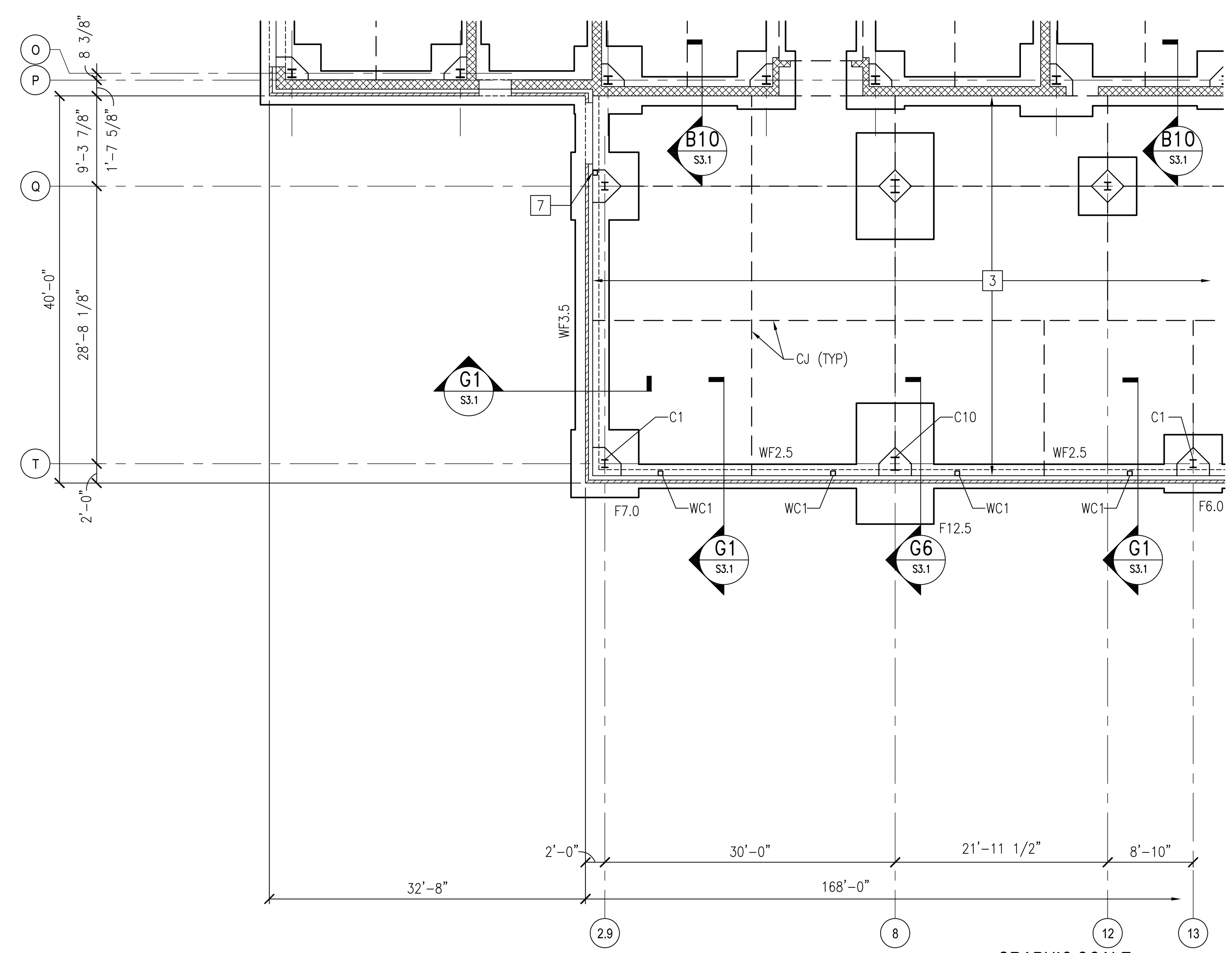
DRAWING NO
S1.1



BASE BID - PARTIAL FOUNDATION PLAN

SCALE: 1/8" = 1'-0"

A1



ALT BID #1 - PARTIAL FOUNDATION PLAN

SCALE: 1/8" = 1'-0"

A10

PLAN NOTES

1. DATUM FOR ALL ELEVATIONS GIVEN ON THIS PLAN IS FINISHED FIRST FLOOR = 0'-0". REFER TO ARCHITECTURAL SITE PLAN FOR ACTUAL ELEVATION.
2. TOP OF CONCRETE SLAB IS AT +0'-0" UNLESS OTHERWISE INDICATED THUS: X'-X" ON PLAN.
3. REFER TO WALL FOOTING SCHEDULE AND COLUMN FOOTING SCHEDULE FOR FOOTING SIZES AND REINFORCING.
4. UNLESS OTHERWISE NOTED PROVIDE A CONCRETE SLAB ON GRADE ON 15 MIL VAPOR RETARDER OVER 4" POROUS FILL. REFER TO SLAB KEY NOTES FOR SLAB THICKNESS AND REINFORCING.
5. UNLESS OTHERWISE NOTED THUS (-X'-X") ON PLAN, TOP OF ALL WALL AND COLUMN FOOTINGS SHALL BE AT ELEVATION (-1'-4"), INDICATING DISTANCE BELOW DATUM.
6. STEP FOOTING AS NECESSARY AT PLUMBING AND BELOW GRADE UTILITY LINES. REFER TO TYPICAL STEPPED FOOTING DETAIL ON SHEET S5.1. REFER TO MECHANICAL/PLUMBING DRAWINGS FOR EXACT LOCATIONS.
7. THE SYMBOL CJ INDICATES SLAB CONTROL JOINT, AND MAY BE A CONSTRUCTION JOINT OR SAWED JOINT. REFER TO TYPICAL SLAB CONTROL JOINT DETAILS ON SHEET S5.1.
8. WIND/JAMB COLUMN INDICATED WCX ON PLAN. REFER TO COLUMN SCHEDULE ON S5.1 AND TYPICAL WIND FRAME DETAIL ON S5.4.
9. GENERAL NOTES ARE LOCATED ON SHEET S0.1 AND S0.2 AND TYPICAL DETAILS ARE LOCATED ON SHEETS S5.1 TO S5.4.

KEY PLAN NOTES

1. ALTERNATE BID ITEM #2 CANOPY FOUNDATION, REFER TO G11/S3.1. FOR PREFABRICATED ALUMINUM CANOPY REFER TO ARCHITECTURAL DRAWINGS.
2. PROVIDE A 7" CONCRETE SLAB ON GRADE. REINFORCE SLAB WITH 6x6-W2.9xW2.9 WELDED WIRE FABRIC LOCATED 1¾" FROM TOP OF SLAB.
3. PROVIDE A 4" CONCRETE SLAB ON GRADE. REINFORCE SLAB WITH 6X6-W2.9XW2.9 WELDED WIRE FABRIC LOCATED 1" FROM TOP OF SLAB.
4. PROVIDE A 6" CONCRETE SLAB ON GRADE. REINFORCE SLAB WITH 6X6-W2.9XW2.9 WELDED WIRE FABRIC LOCATED 1½" FROM TOP OF SLAB.
5. TRENCH DRAIN, REFER TO ARCH AND PLUMBING DWGS FOR EXACT SIZE AND LOCATION.
6. WALL STUDS, 600S162-97 CFS SPACED AT 12" OC FULL HEIGHT OF WALL.
7. WC1 WIND COLUMN TO UNDERSIDE OF WALL GIRT ABOVE.
8. CHILLER PAD, REFER TO DETAIL ON S5.2.

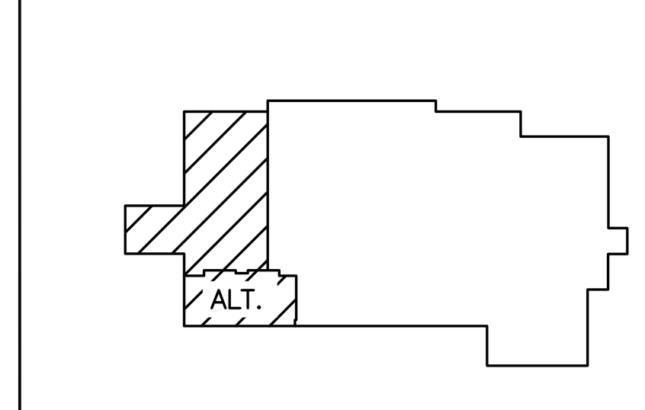
GRAPHIC SCALE:

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

MATERIALS KEYING LEGEND

GENERAL NOTES

KEY PLAN



SCO ID #22-25191-01A : NCCCS #2675

NO	REVISION	DATE

SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER 022830 KEVIN M. ROOMSBURG 2-15-2024

JKF ARCHITECTURE

625 LYNNDALE CT, SUITE F, GREENVILLE, NC 27858 252-355-1068

PITT COMMUNITY COLLEGE
NEW WELDING BUILDING

WINTERVILLE, NC

DRAWING TITLE: BASE BID - PARTIAL FOUNDATION PLAN
ALT BID #1 - PARTIAL FOUNDATION PLAN

SCALE: 1/8" = 1'-0"

DRAWN: JSS

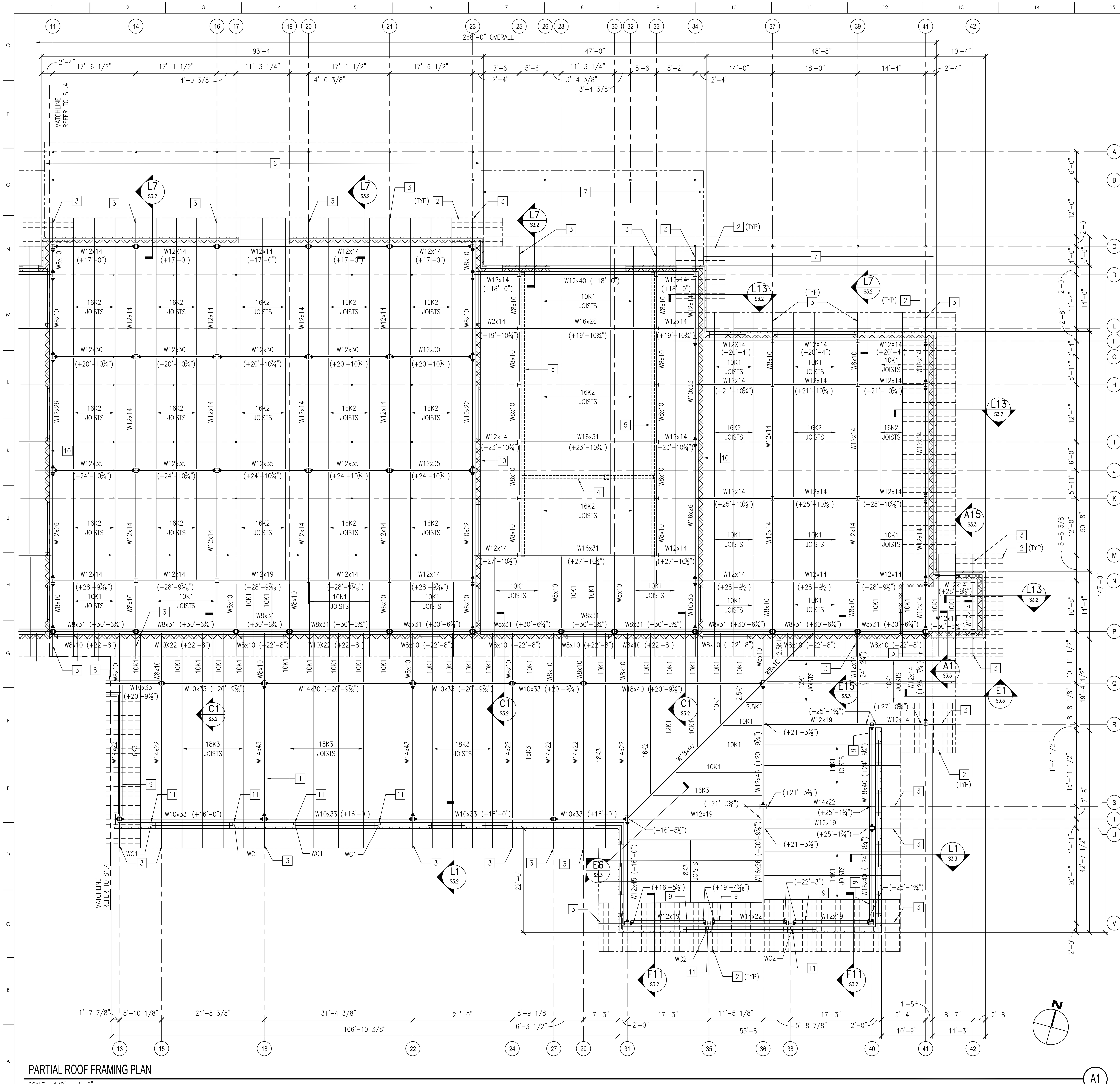
CHECKED: KMR

DATE: 2-15-2024

PROJECT NO.: 2022-07

DRAWING NO: S1.2

NRW ENGINEERING Structural Consultants



PLAN NOTES

1. DATUM FOR ALL ELEVATIONS GIVEN ON THIS PLAN IS FINISHED FIRST FLOOR ELEVATION = 0'-0". REFER TO ARCHITECTURAL SITE PLAN FOR ACTUAL ELEVATION.
2. TOP OF STEEL BEAM ELEVATIONS INDICATED THUS (+_______) ON PLAN. WHERE NOT INDICATED TOP OF STEEL BEAM MUST MATCH TOP OF ADJACENT JOIST.
3. UNLESS OTHERWISE NOTED, THE ROOF CONSTRUCTION IS 1-1/2" DEEP, 20 GA. TYPE 'B' GALVANIZED STEEL ROOF DECK SUPPORTED ON OPEN WEB STEEL JOISTS BEARING ON STEEL BEAMS.
4. GENERAL NOTES ARE LOCATED ON SHEET S0.1 AND S0.2 AND TYPICAL DETAILS ARE LOCATED ON SHEETS S5.1 TO S5.4.
5. LINTELS ARE SHOWN THUS ( ) ON PLAN. REFER TO LINTELS DETAILS ON SHEETS S5.2 AND S5.3.
6. JOIST EXTENDED ENDS MUST BE DESIGNED TO SAFELY SUPPORT A UNIFORM LOAD OF 300 PLF OR 200 LB LOAD LOCATED AT THE END OF JOIST EXTENSION.
7. BEAM TO COLUMN MOMENT CONNECTIONS ARE INDICATED THUS: ( ) ON PLAN. REFER TO TYPICAL CONNECTION DETAILS FOR ADDITIONAL INFORMATION.
8. PROVIDE L4x4x5/16 ANGLE FRAMING EACH SIDE OF ROOF OPENINGS. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATIONS.
9. UNLESS OTHERWISE INDICATED JOIST SEATS MUST BE 5½" DEEP LOCATED AT CENTERLINE OF BEAM.

KEY PLAN NOTES

1. OPERABLE PARTITION, REFER TO ARCH DWGS AND TYPICAL OPERABLE PARTITION HANGER DETAIL ON S5.3.
2. HSS3½x1½x¼ (LSH) OUTLOOKERS SPACED AT 12" OC MAX. REFER TO TYPICAL DETAILS ON S5.3.
3. BEAM EXTENSION, REFER TO TYPICAL BEAM EXTENSION DETAILS ON S5.3.
4. 5-TON BRIDGE CRANE BY OTHERS.
5. CRANE RUNWAY BEAM BY OTHERS, REFER TO TYPICAL DETAIL ON S5.2.
6. BASE BID CANOPY STRUCTURE, REFER TO ARCHITECTURAL DRAWINGS.
7. ALTERNATE BID ITEM #2 CANOPY STRUCTURE, REFER TO ARCHITECTURAL DRAWINGS.
8. HSS8X8X¼ (+14'-0") FOR SUPPORT OF HSS WALL GIRT. CONNECT TO COLUMN EACH END.
9. HSS8x8x5/16 WALL GIRT, TOP OF STEEL ELEVATION = (+14'-0").
10. FOR CMU WALL BRACING DETAILS, REFER TO SHEET S5.4.
11. FOR WIND FRAME, REFER TO TYPICAL DETAIL ON S5.4.

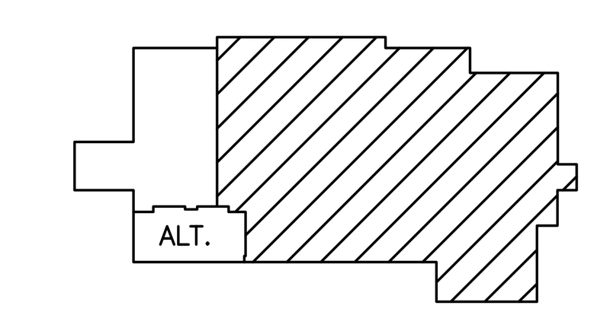
GRAPHIC SCALE:

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

MATERIALS KEYING LEGEND

GENERAL NOTES

KEY PLAN



SCO ID #22-25191-01A : NCCCS #2675

NO	REVISION	DATE

SEAL

JKF ARCHITECTURE

625 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

PITT COMMUNITY COLLEGE
NEW WELDING BUILDING

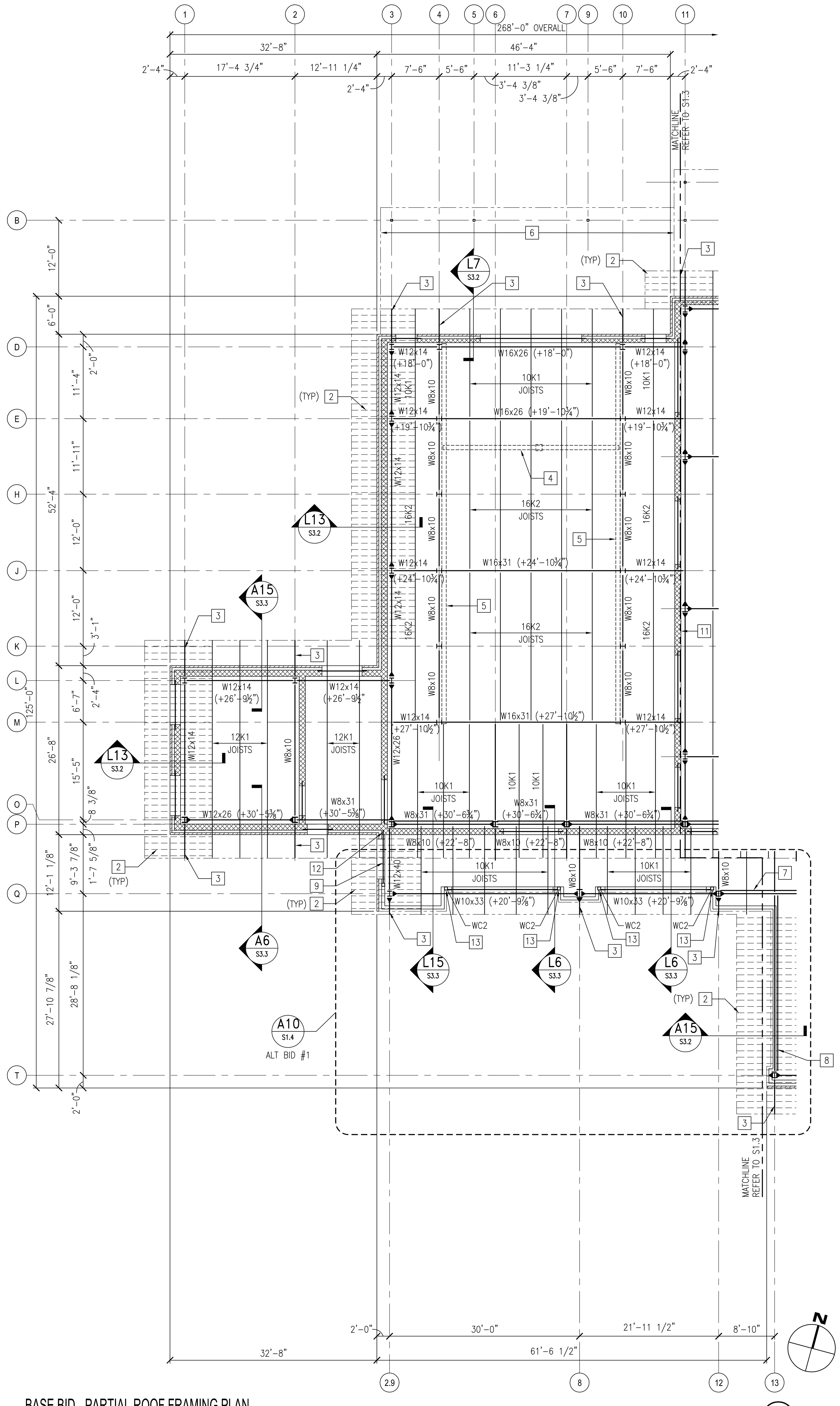
WINTERVILLE, NC

DRAWING TITLE

PARTIAL ROOF FRAMING PLAN

SCALE	1/8" = 1'-0"
DRAWN	JSS
CHECKED	KMR
DATE	2-15-2024
PROJECT NO.	2022-07
DRAWING NO	S1.3

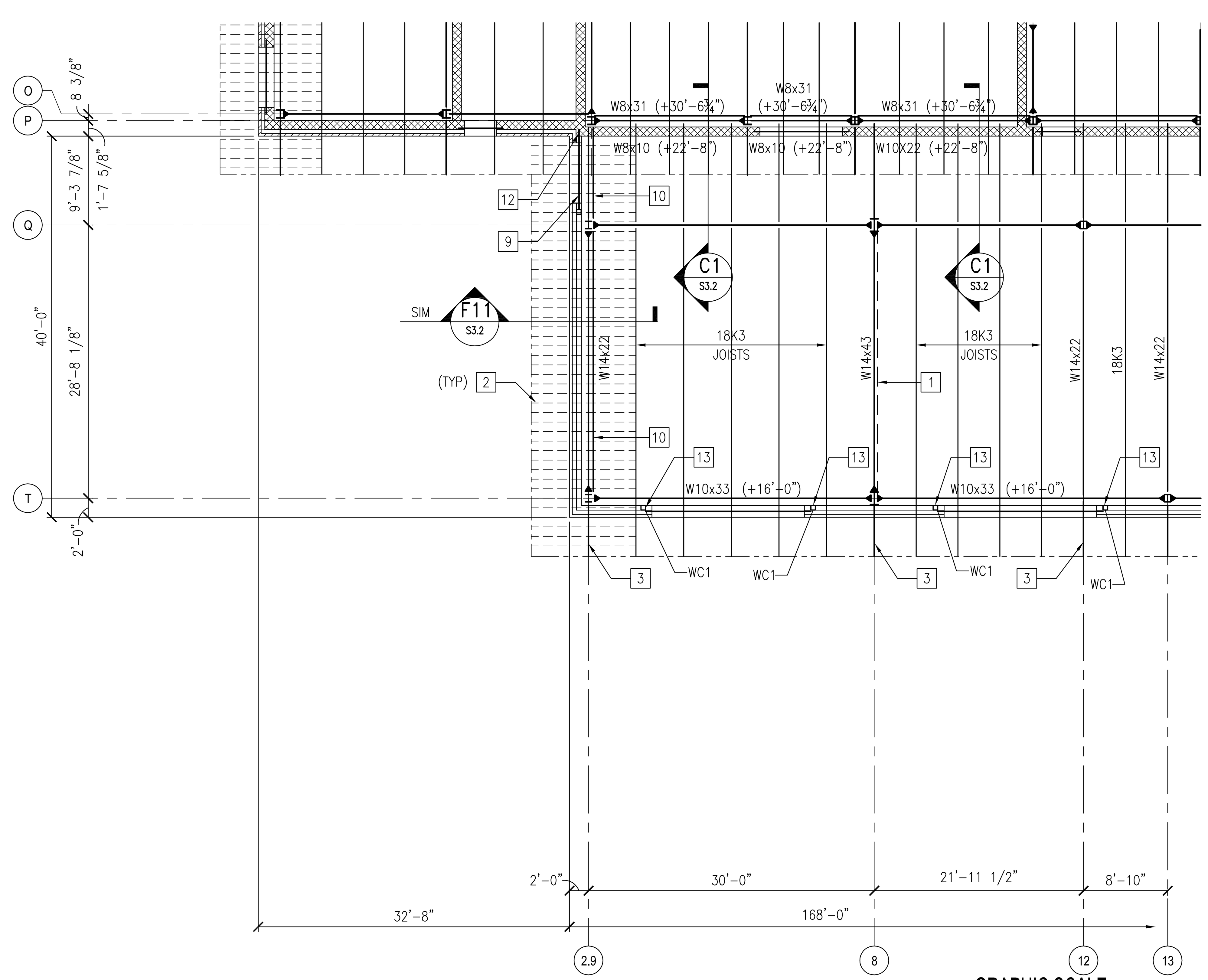
NRW ENGINEERING Structural Consultants



BASE BID - PARTIAL ROOF FRAMING PLAN

SCALE: 1/8" = 1'-0"

A1



ALT BID #1 - PARTIAL ROOF FRAMING PLAN

SCALE: 1/8" = 1'-0"

A10

GRAPHIC SCALE:

1/8" = 1'-0"

PLAN NOTES

1. DATUM FOR ALL ELEVATIONS GIVEN ON THIS PLAN IS FINISHED FIRST FLOOR ELEVATION = 0'-0". REFER TO ARCHITECTURAL SITE PLAN FOR ACTUAL ELEVATION.
2. TOP OF STEEL BEAM ELEVATIONS INDICATED THUS (+_______) ON PLAN.
3. UNLESS OTHERWISE NOTED, THE ROOF CONSTRUCTION IS 1-1/2" DEEP, 20 GA. TYPE 'B' GALVANIZED STEEL ROOF DECK SUPPORTED ON OPEN WEB STEEL JOISTS BEARING ON STEEL BEAMS.
4. GENERAL NOTES ARE LOCATED ON SHEET S0.1 AND S0.2 AND TYPICAL DETAILS ARE LOCATED ON SHEETS S5.1 TO S5.4.
5. LINTELS ARE SHOWN THUS ( ) ON PLAN. REFER TO LINTELS DETAILS ON SHEETS S5.2 AND S5.3.
6. JOIST EXTENDED ENDS MUST BE DESIGNED TO SAFELY SUPPORT A UNIFORM LOAD OF 300 PLF OR 200 LB LOAD LOCATED AT THE END OF JOIST EXTENSION.
7. BEAM TO COLUMN MOMENT CONNECTIONS ARE INDICATED THUS: ( ) ON PLAN. REFER TO TYPICAL CONNECTION DETAILS FOR ADDITIONAL INFORMATION.
8. PROVIDE L4x4x5⁄16 ANGLE FRAMING EACH SIDE OF ROOF OPENINGS. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATIONS.

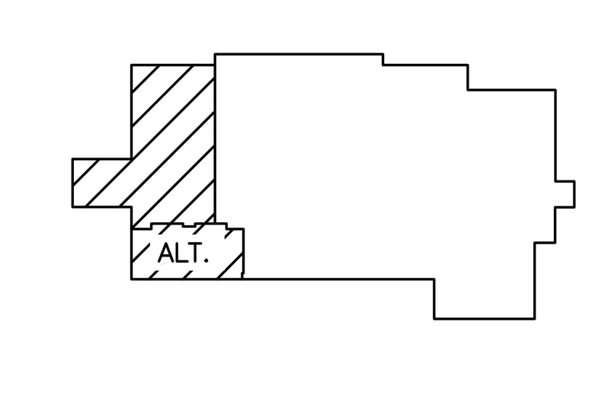
KEY PLAN NOTES

1. OPERABLE PARTITION, REFER TO ARCH DWGS AND TYPICAL OPERABLE PARTITION HANGER DETAIL ON S5.3.
2. HSS3 1/2x1 1/2x¼ (LSH) OUTLOOKERS SPACED AT 12" OC MAX. REFER TO TYPICAL DETAILS ON S5.3.
3. BEAM EXTENSION, REFER TO TYPICAL BEAM EXTENSION DETAILS ON S5.3.
4. 5-TON BRIDGE CRANE BY OTHERS.
5. CRANE RUNWAY BEAM BY OTHERS, REFER TO TYPICAL DETAIL ON S5.2.
6. ALTERNATE BID ITEM #2 CANOPY STRUCTURE, REFER TO ARCHITECTURAL DRAWINGS.
7. HSS8X8X¼ (+14'-0") FOR SUPPORT OF HSS WALL GIRT. CONNECT TO COLUMN EACH END.
8. HSS8x8x5⁄16 WALL GIRT, TOP OF STEEL ELEVATION = (+14'-0").
9. HSS8x6x¼ LINTEL, TOP OF STEEL ELEVATION = (+10'-10").
10. HSS8x8x5⁄16 WALL GIRT , TOP OF STEEL ELEVATION = (+14'-9").
11. FOR CMU WALL BRACING, REFER TO TYPICAL DETAIL ON SHEET S5.4.
12. BEAR LINTEL ON CMU WALL, REFER TO TYPICAL DETAIL ON SHEET S5.2.
13. FOR WIND FRAME, REFER TO TYPICAL DETAIL ON S5.4.

MATERIALS KEYING LEGEND

GENERAL NOTES

KEY PLAN



SCO ID #22-25191-01A ; NCCCS #2675

NO	REVISION	DATE

SEAL

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 022830 KEVIN M. ROOMSBURG 2-15-2024

JKF ARCHITECTURE

625 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

PITT COMMUNITY COLLEGE
NEW WELDING BUILDING

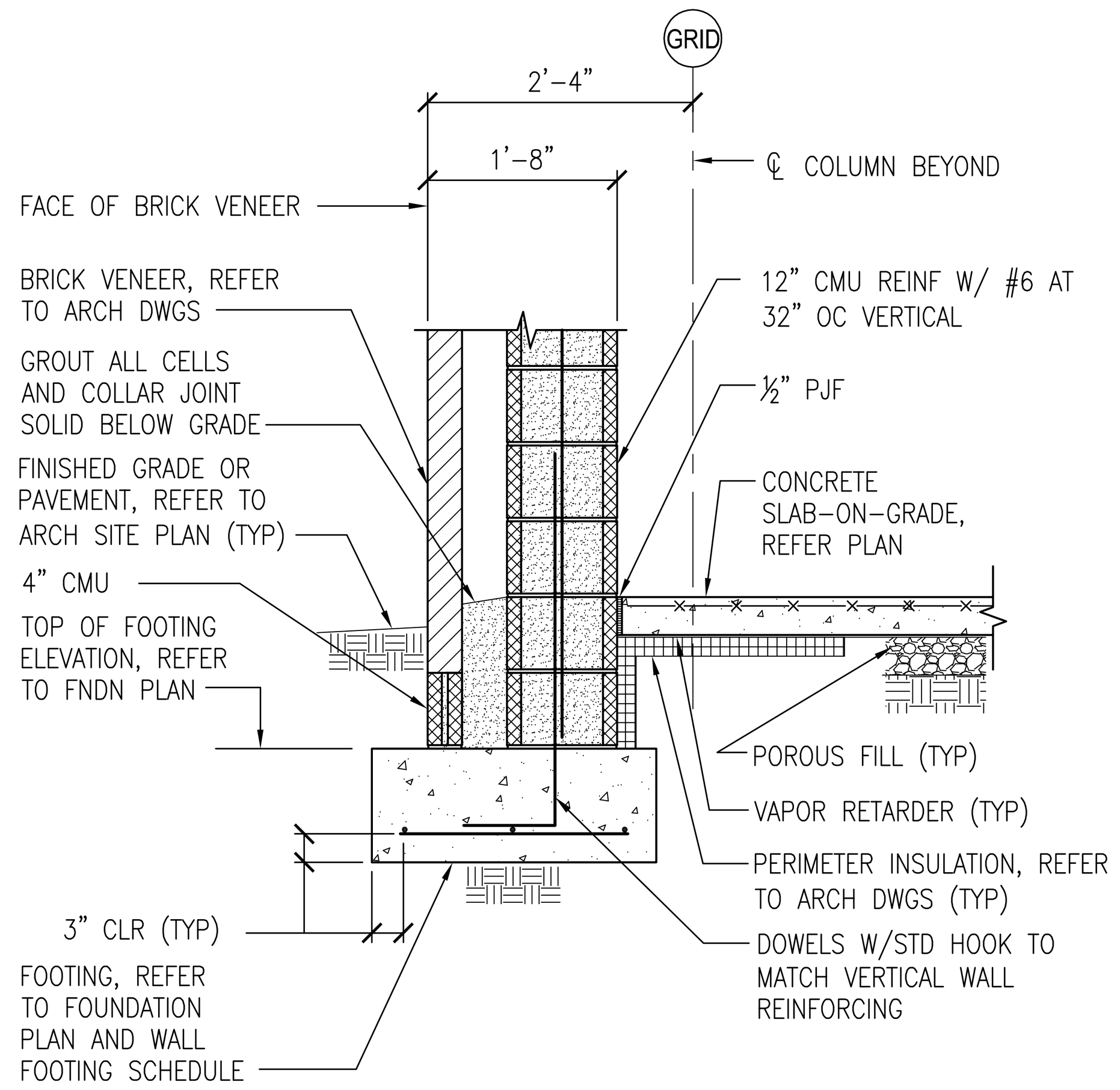
WINTERVILLE, NC

DRAWING TITLE

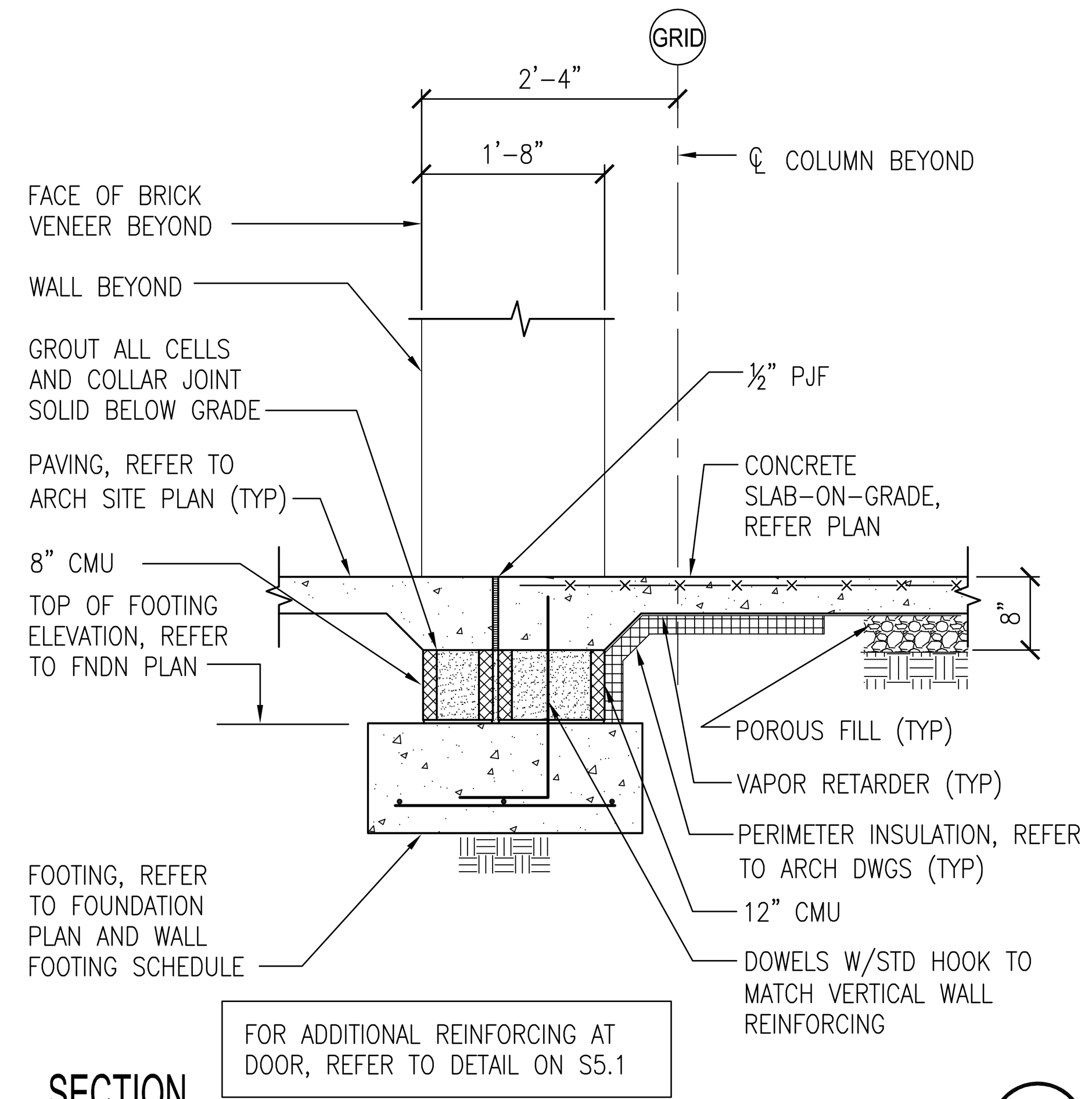
BASE BID - PARTIAL ROOF FRAMING PLAN
ALT BID #1 - PARTIAL ROOF FRAMING PLAN

SCALE	1/8" = 1'-0"
DRAWN	JSS
CHECKED	KMR
DATE	2-15-2024
PROJECT NO.	2022-07
DRAWING NO	S1.4

NRW ENGINEERING Structural Consultants



SECTION M1
SCALE: 3/4" = 1'-0"



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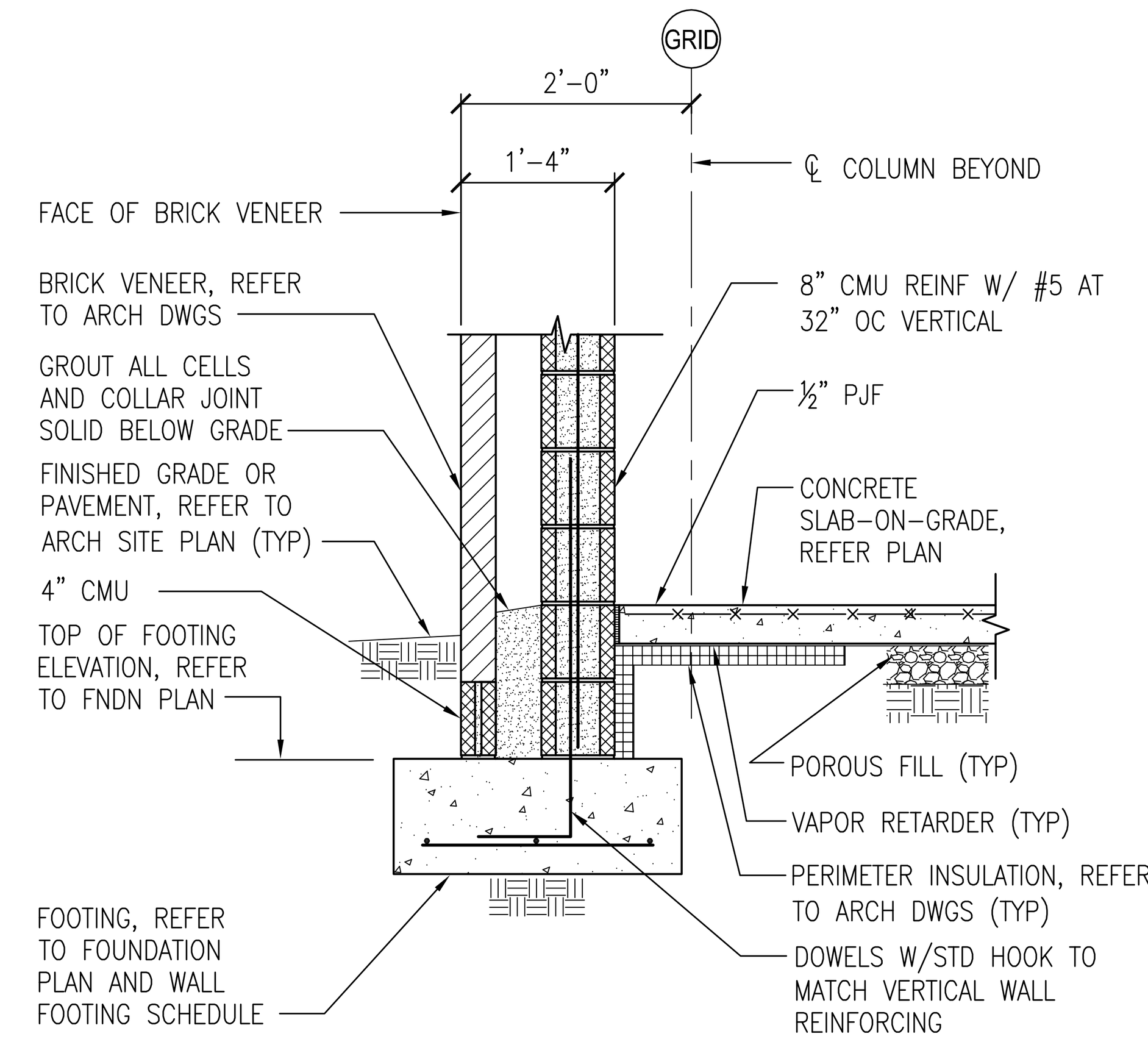

SECTION M9
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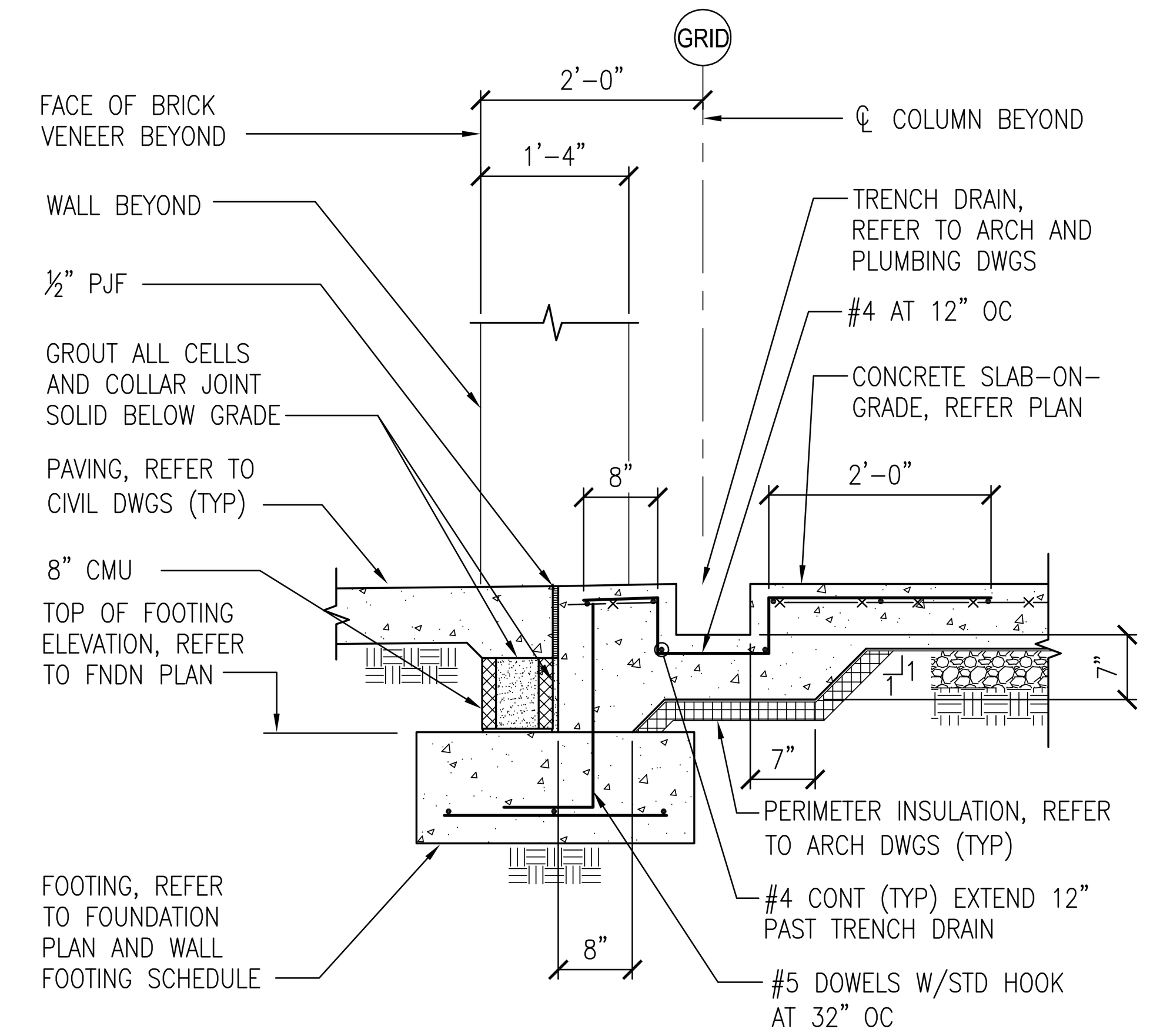
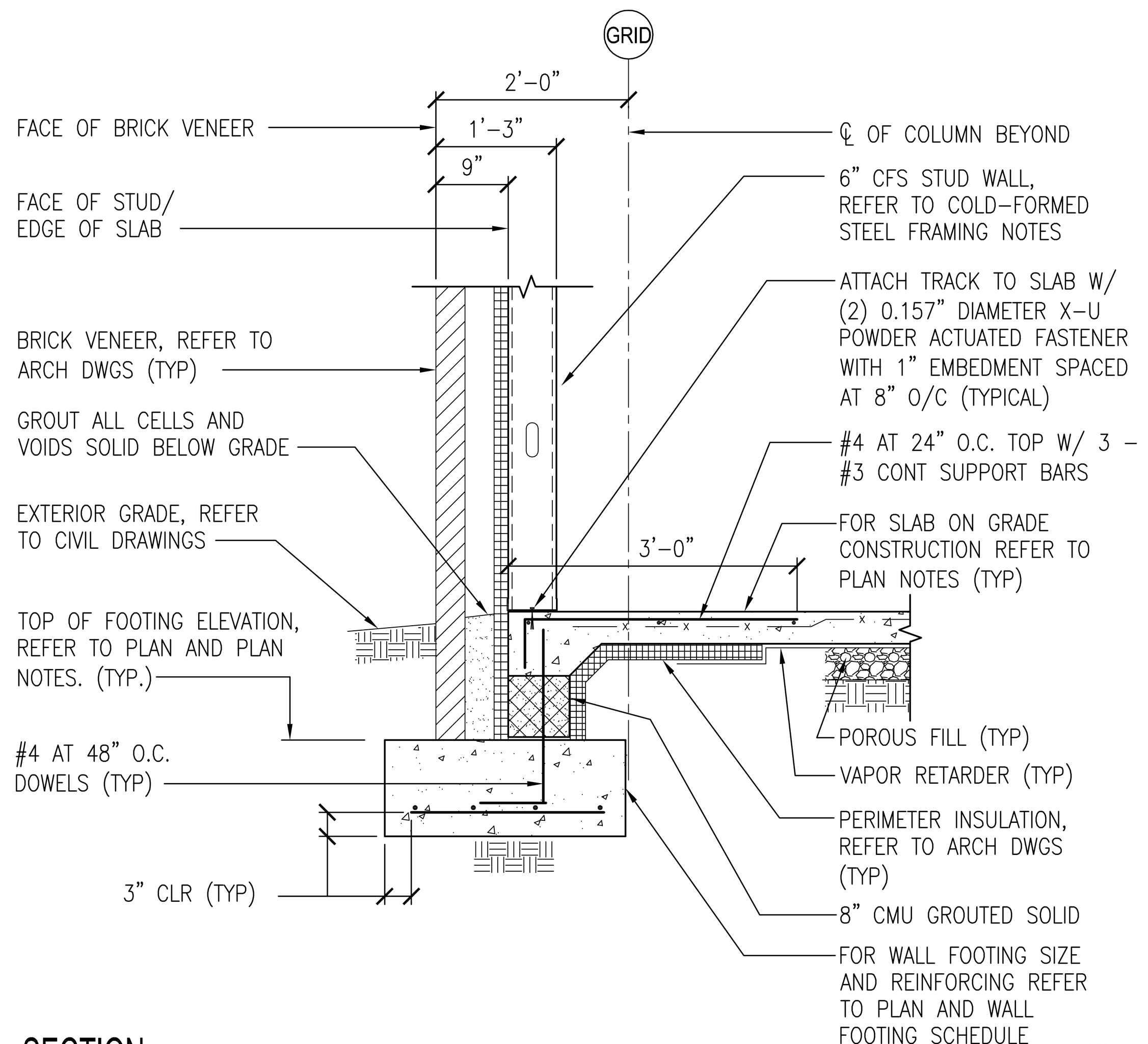


SECTION M13
SCALE: 3/4" = 1'-0"



SECTION G1
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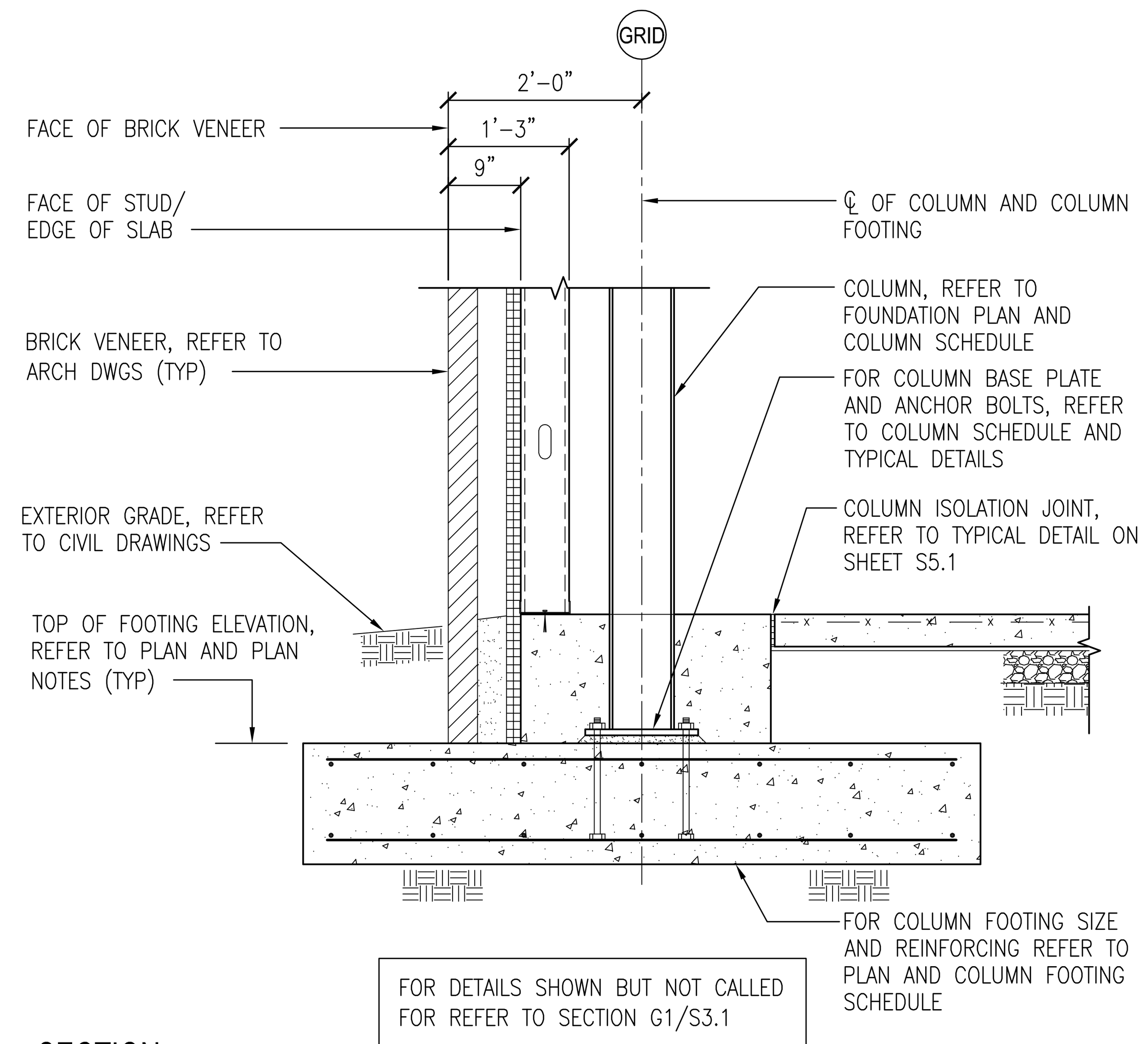
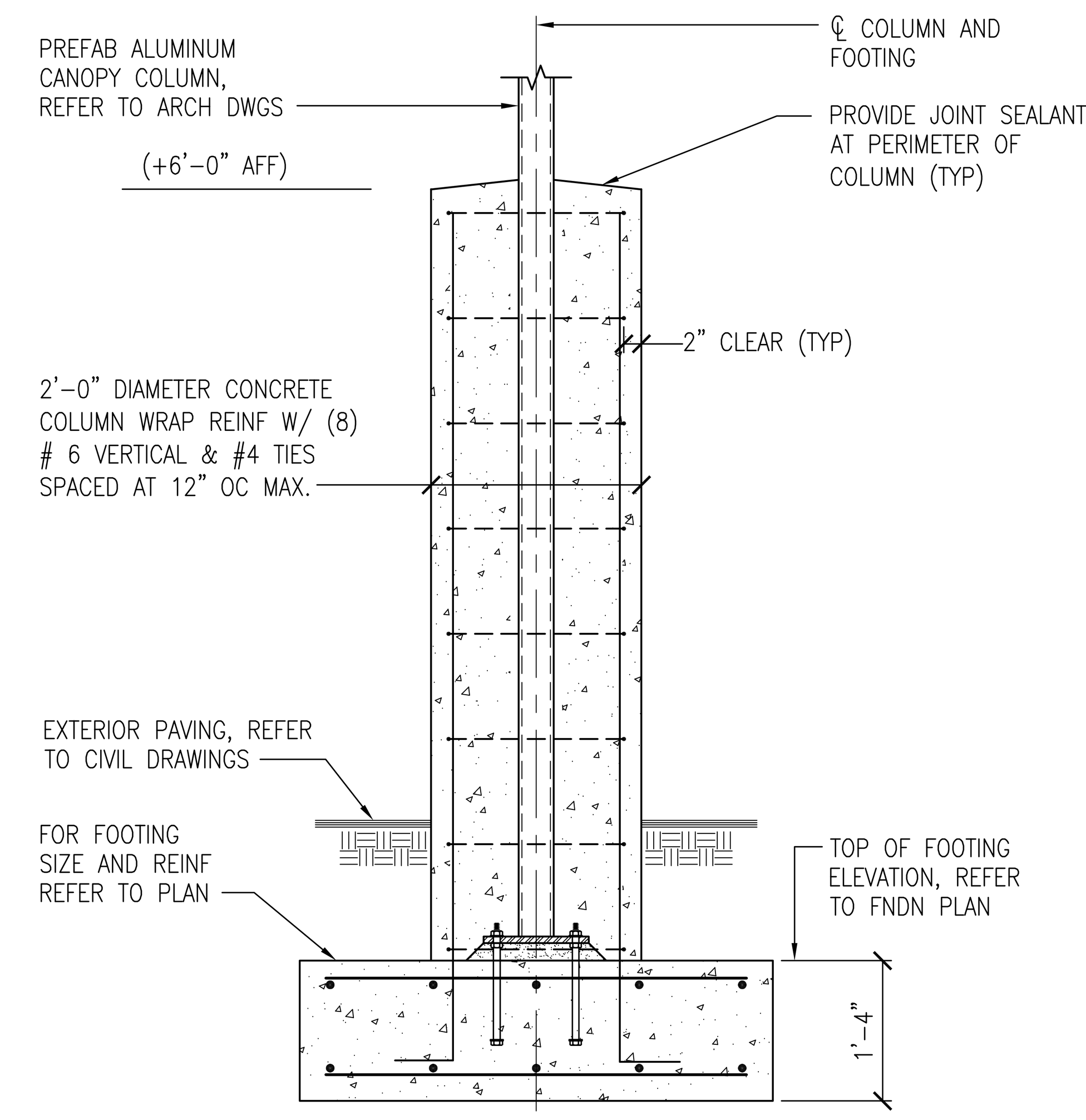
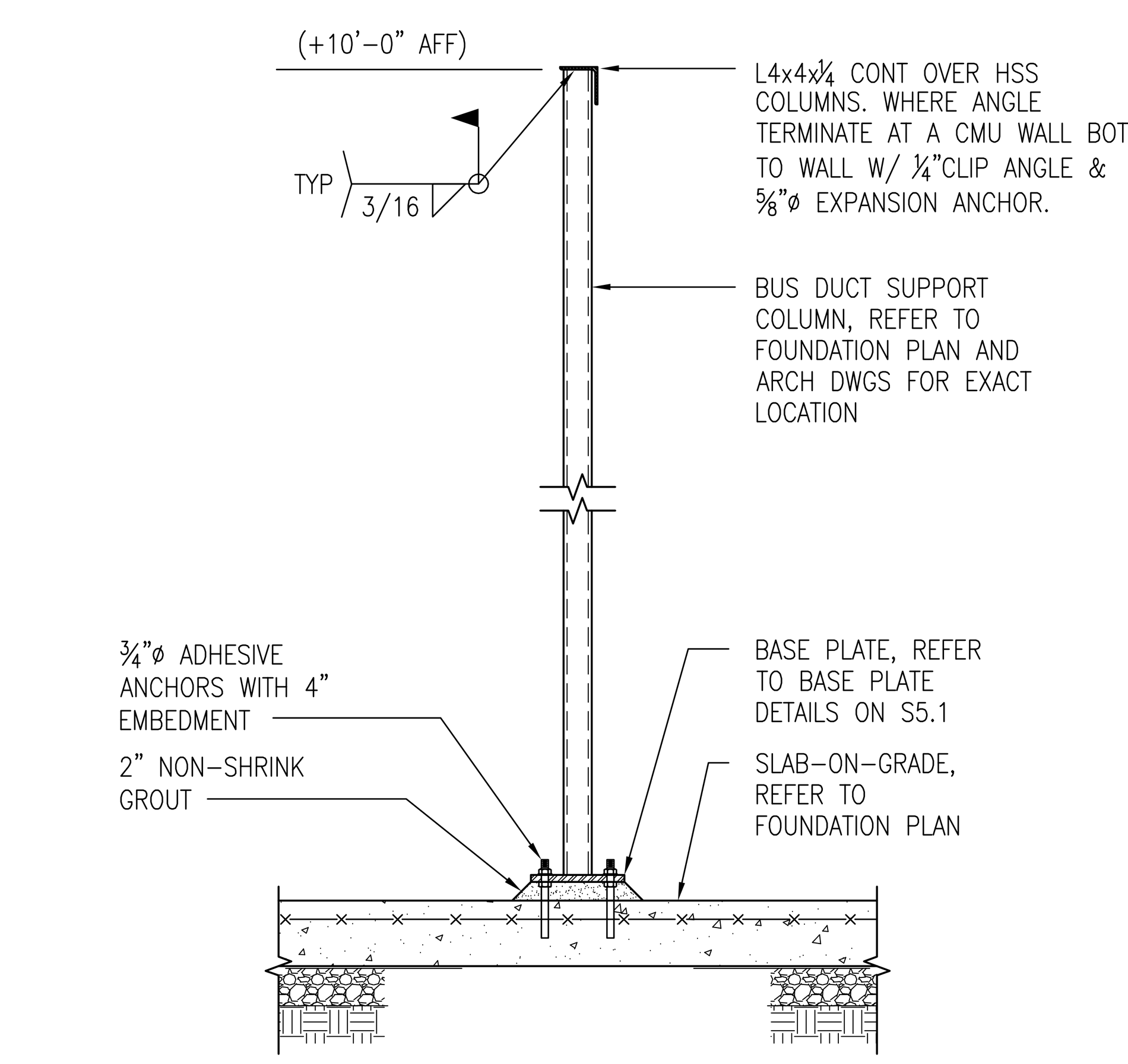


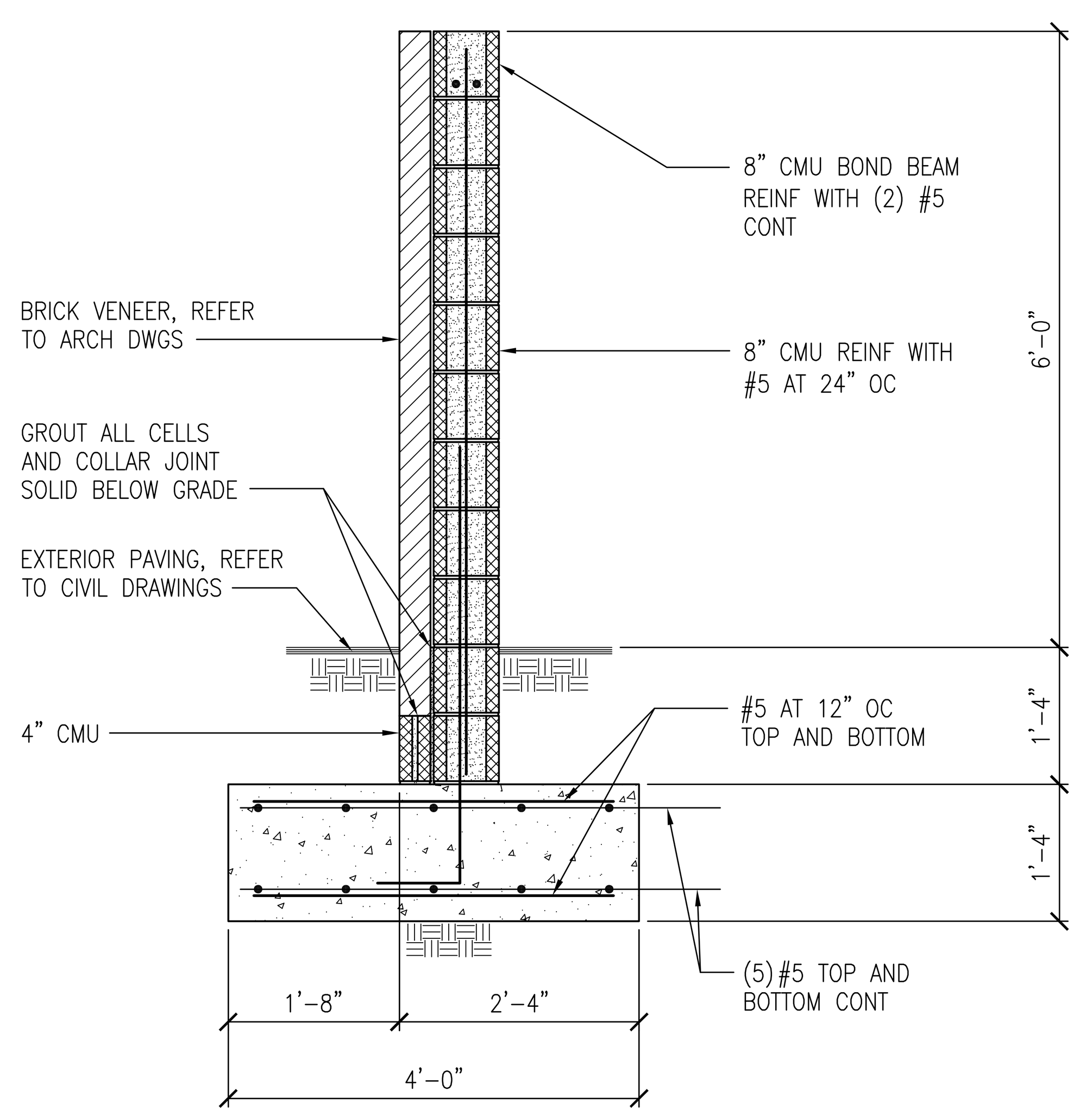
SECTION G6
SCALE: 3/4" = 1'-0"



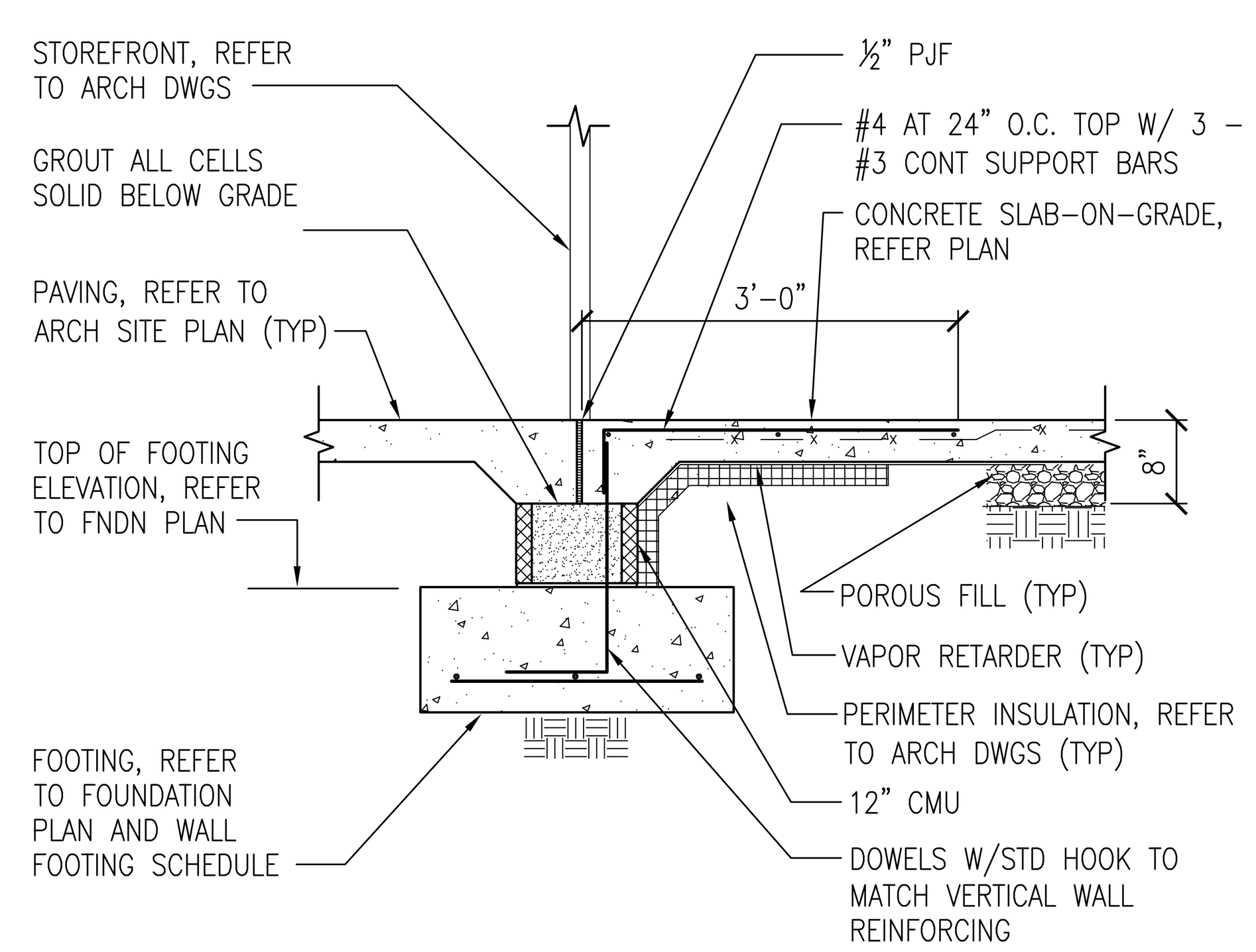
PREFABRICATED CANOPY COLUMN FOUNDATION DETAIL G11
SCALE: 3/4" = 1'-0"



TYPICAL BUS DUCT SUPPORT COLUMN DETAIL G14
SCALE: 3/4" = 1'-0"



SECTION AT DUMPSTER ENCLOSURE WALL A1
SCALE: 3/4" = 1'-0"



SECTION B6
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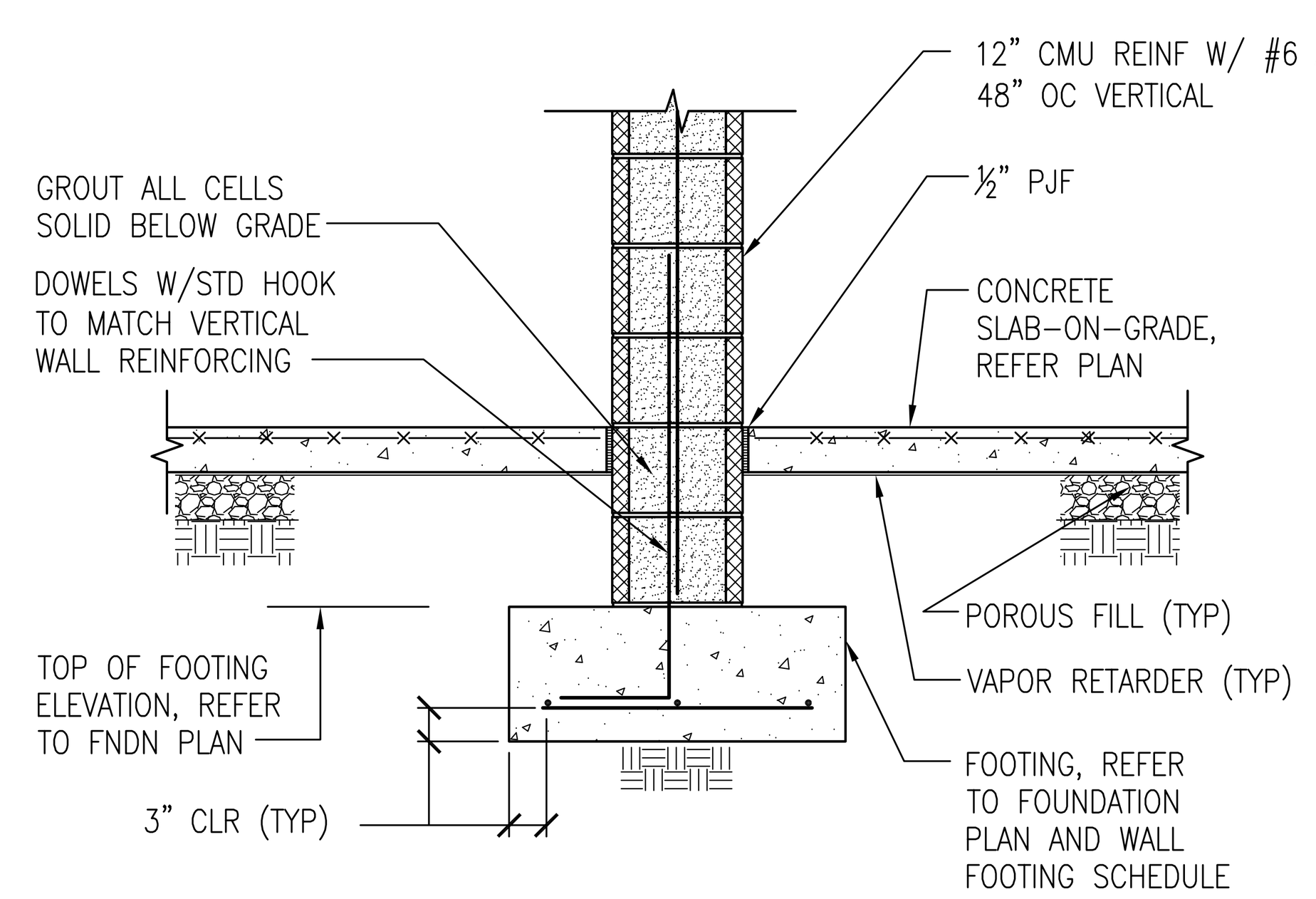

SECTION B10
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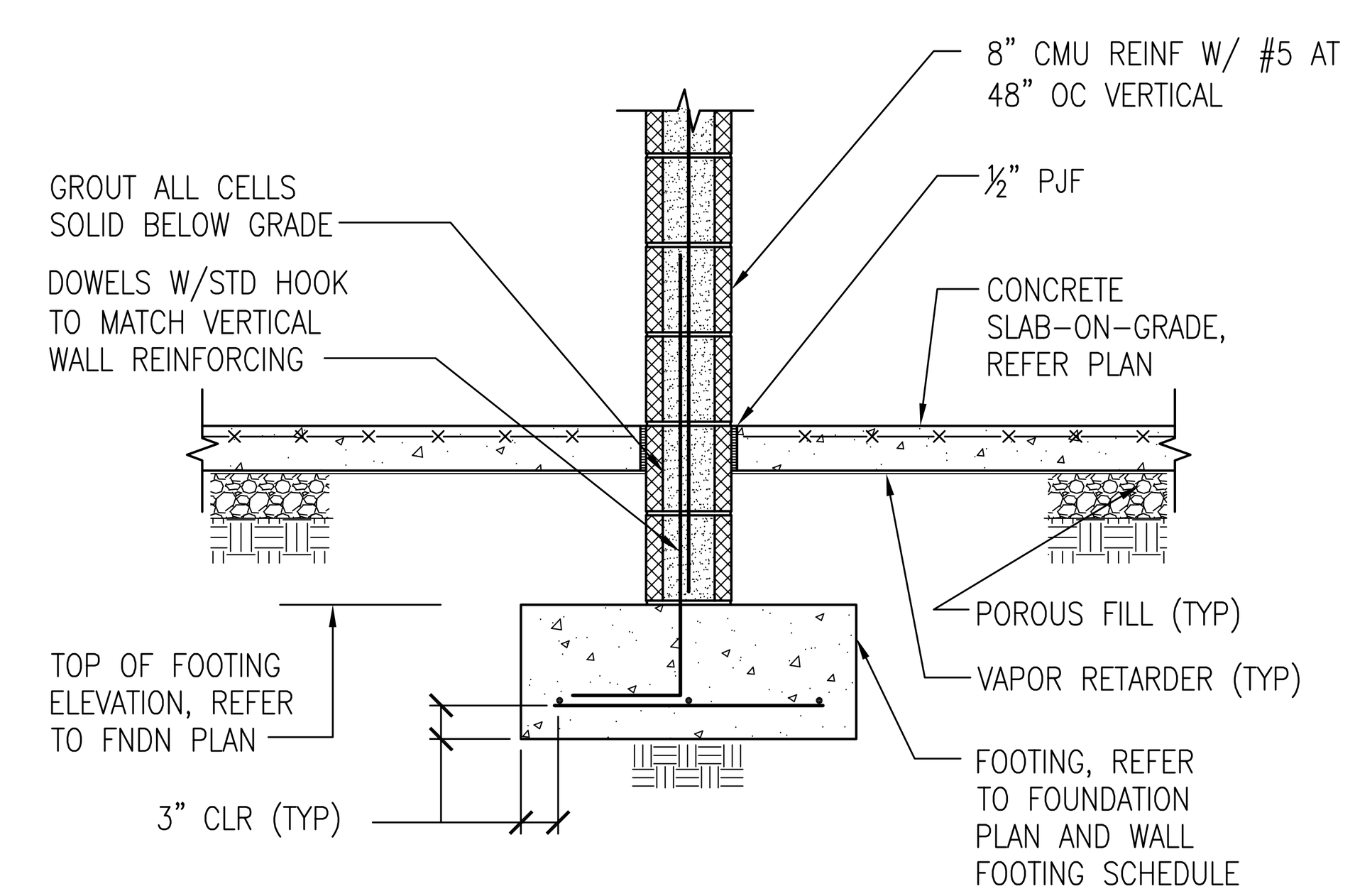
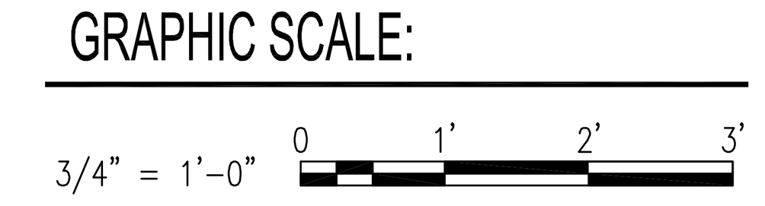


SECTION B14
SCALE: 3/4" = 1'-0"

GRAPHIC SCALE:



NRW ENGINEERING
Structural Consultants

MATERIALS KEYING LEGEND

GENERAL NOTES

KEY PLAN

SCO ID #22-25191-01A : NCCCS #2675

NO	REVISION	DATE

SEAL

NORTH CAROLINA PROFESSIONAL ENGINEER 022850 2-15-2024 KEVIN M. ROONSBURG

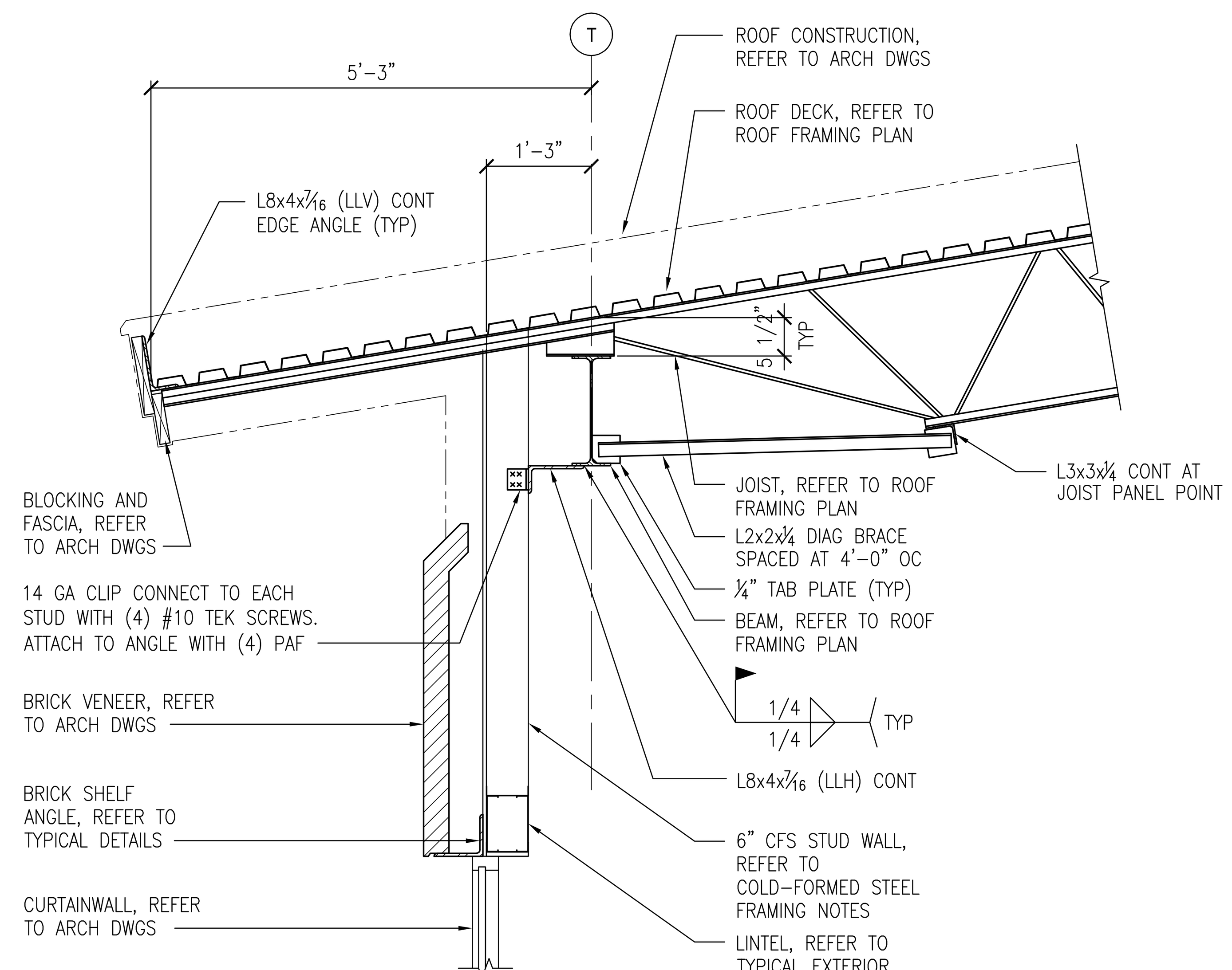
JKF ARCHITECTURE

625 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

PITT COMMUNITY COLLEGE
NEW WELDING BUILDING
WINTERVILLE, NC

DRAWING TITLE
SECTIONS

SCALE: 3/4" = 1'-0"
DRAWN: JSS
CHECKED: KMR
DATE: 2-15-2024
PROJECT NO.: 2022-07
DRAWING NO: S3.1



SECTION (L1)

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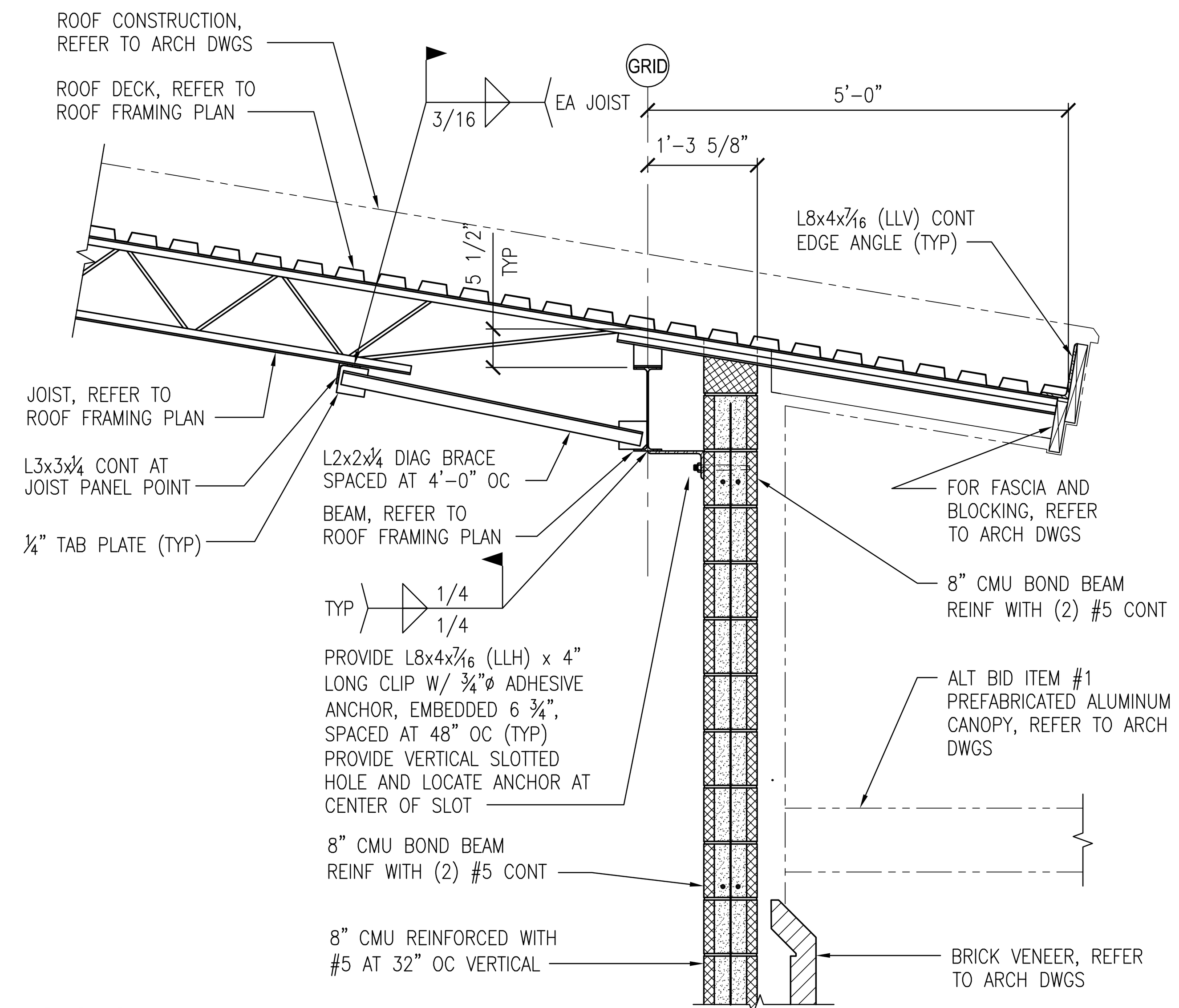

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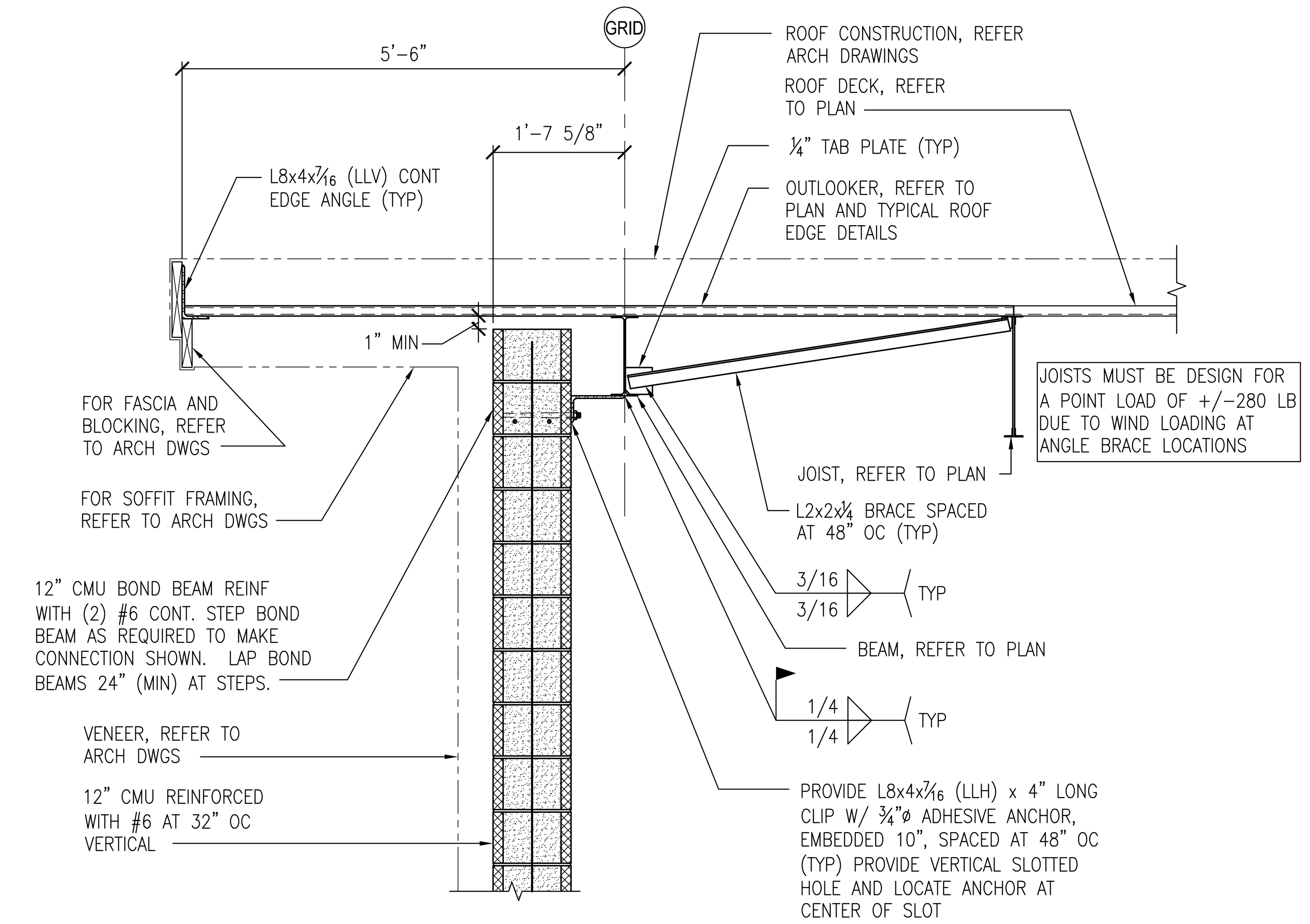

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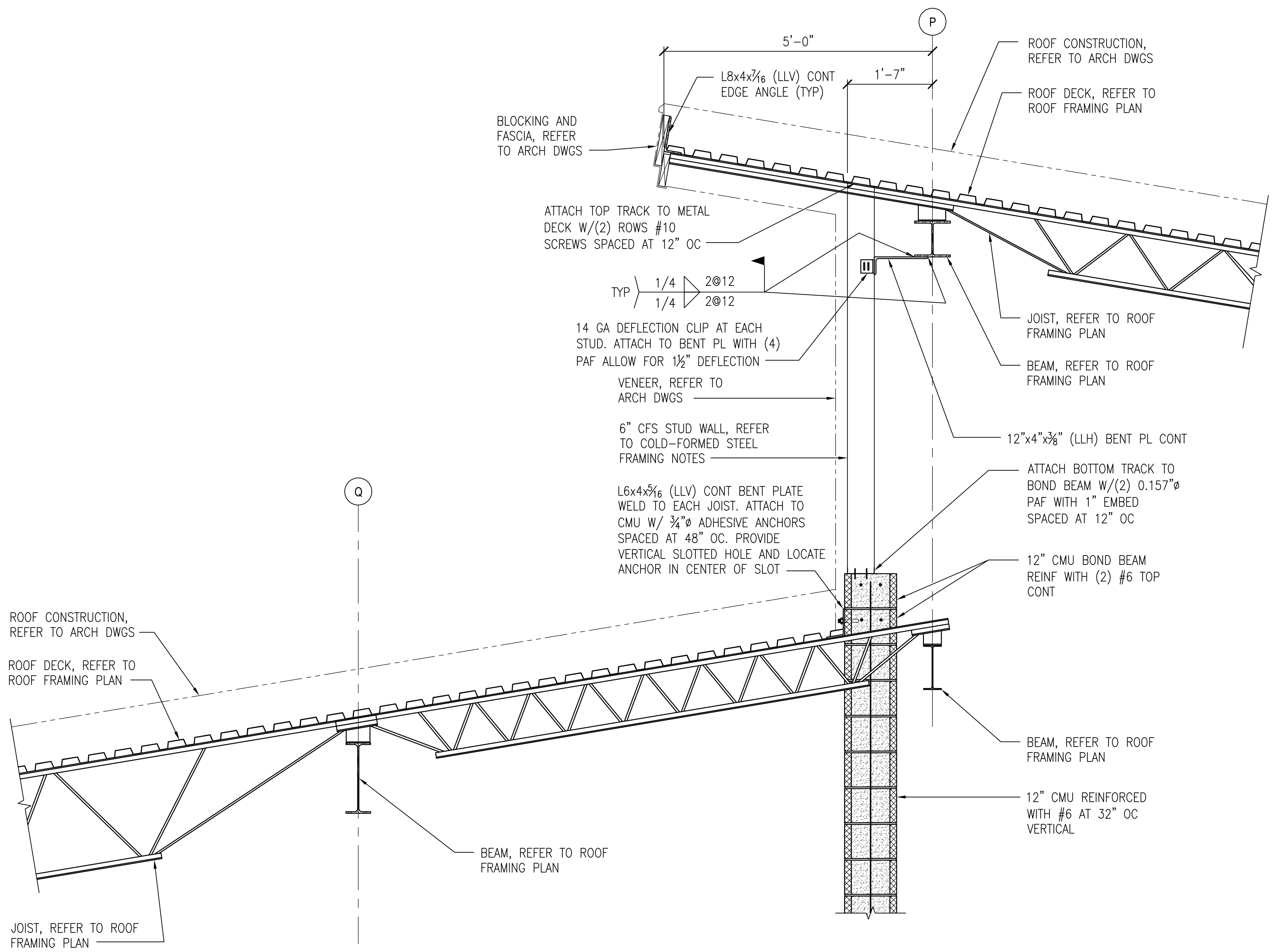

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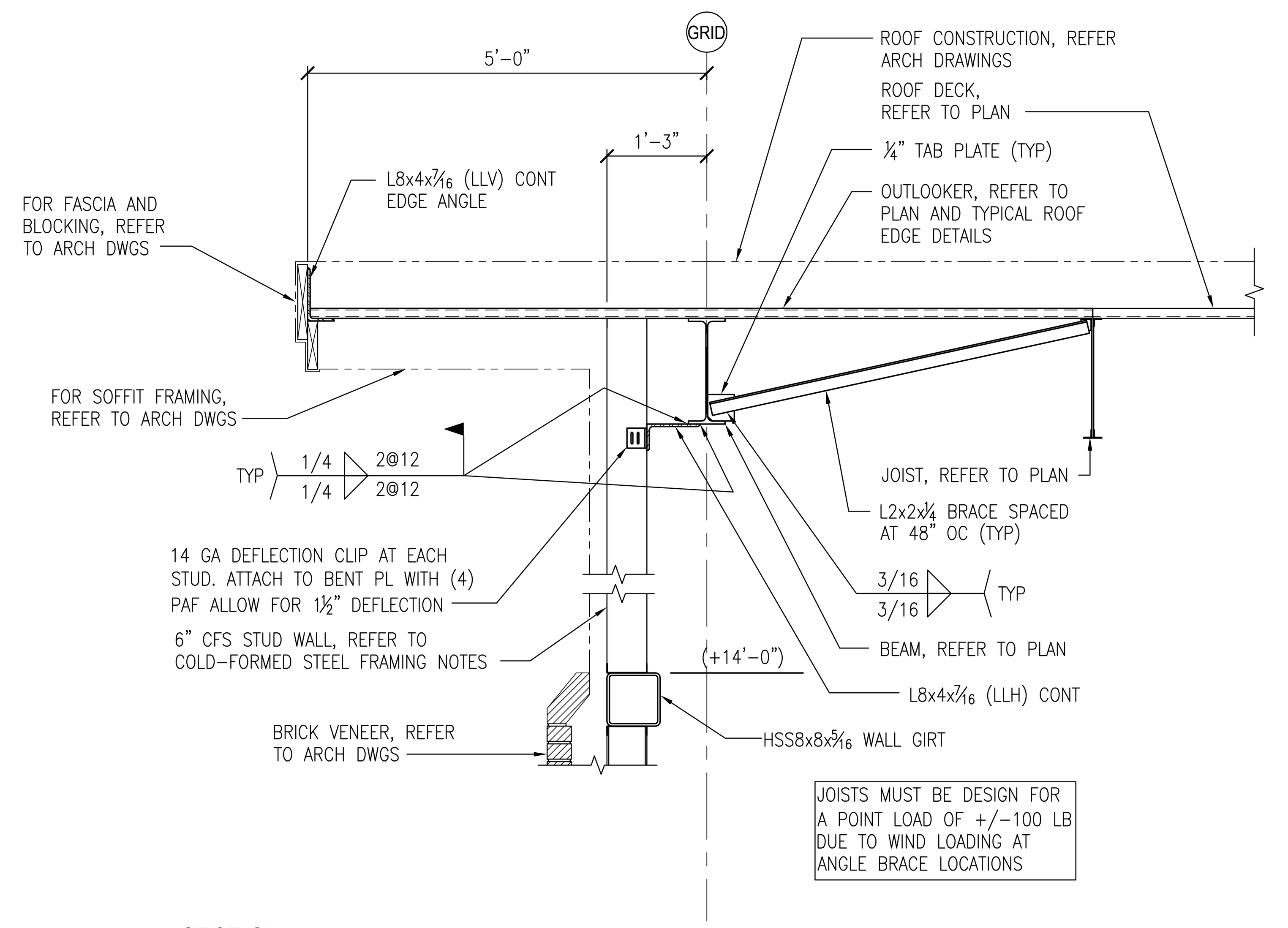

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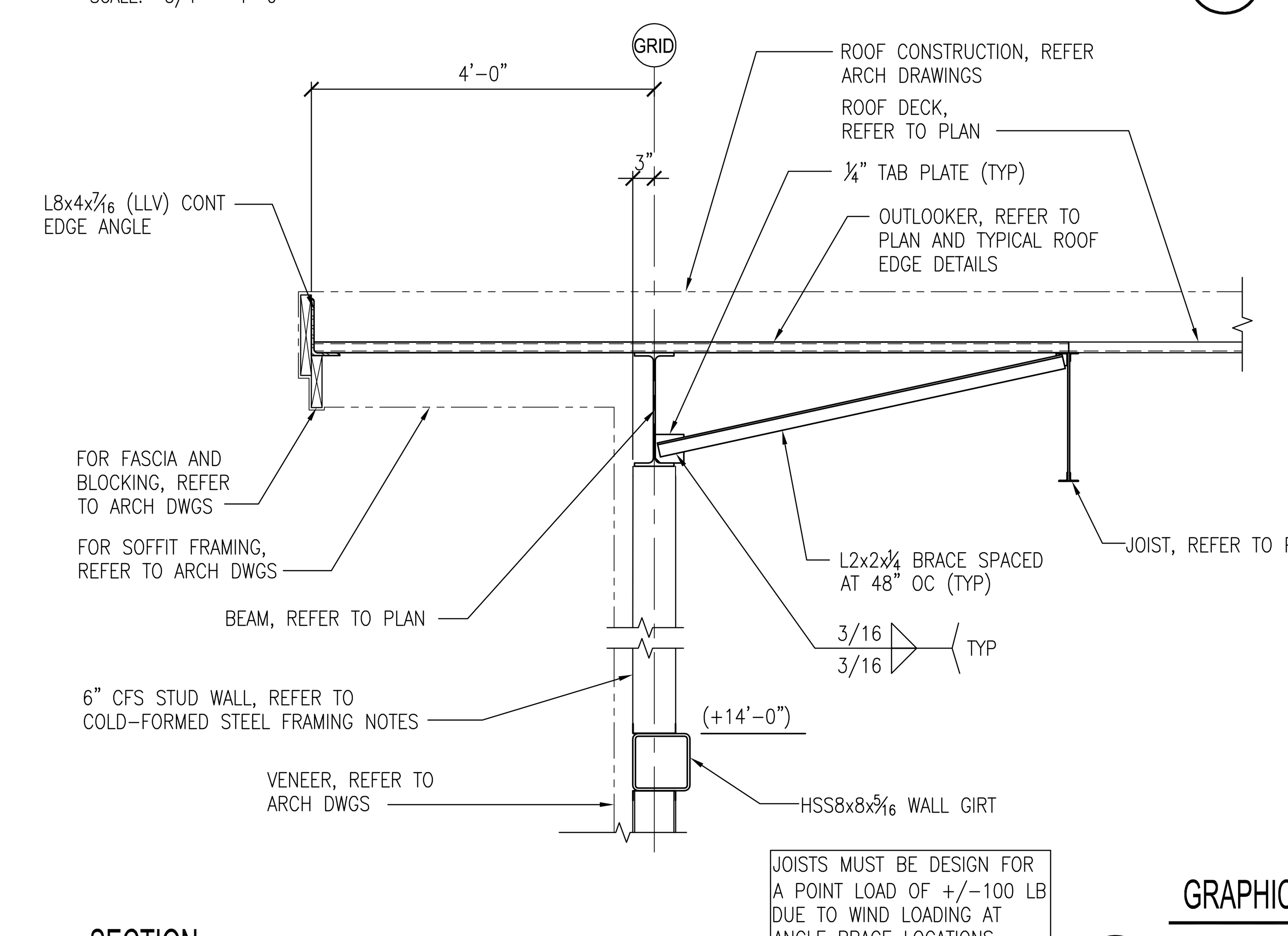


SECTION (A15)

SCALE: 3/4" = 1'-0"

GRAPHIC SCALE:

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

NRW ENGINEERING Structural Consultants

MATERIALS KEYING LEGEND

GENERAL NOTES

KEY PLAN

SCO ID #22-25191-01A : NCCCS #2675

NO	REVISION	DATE

SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER 022830 KEVIN M. ROOMSBURG 2-15-2024

JKF ARCHITECTURE

625 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

PITT COMMUNITY COLLEGE
NEW WELDING BUILDING

WINTERVILLE, NC

DRAWING TITLE: SECTIONS

SCALE: 3/4" = 1'-0"

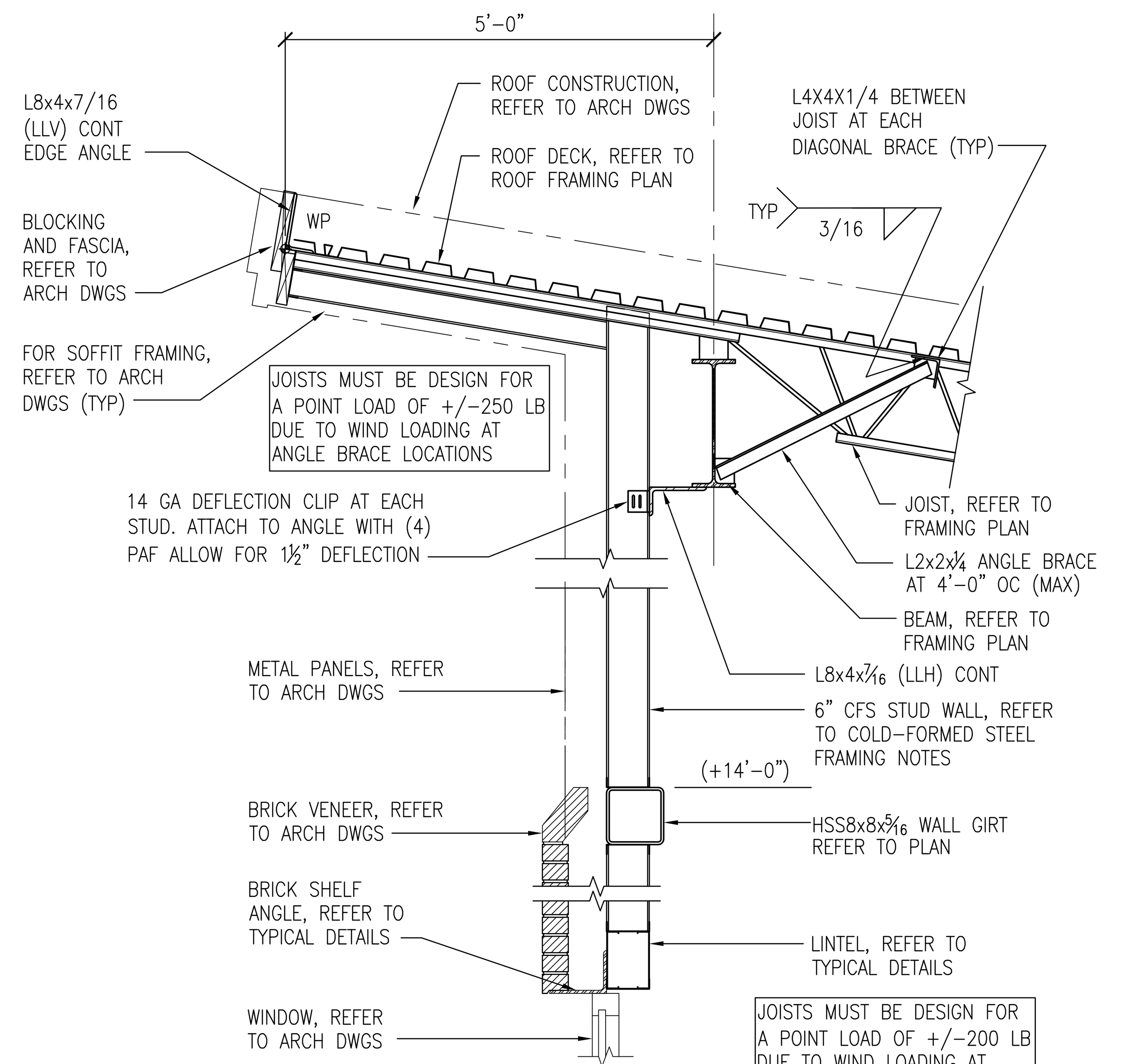
DRAWN: JSS

CHECKED: KMR

DATE: 2-15-2024

PROJECT NO: 2022-07

DRAWING NO: S3.2



SECTION L1
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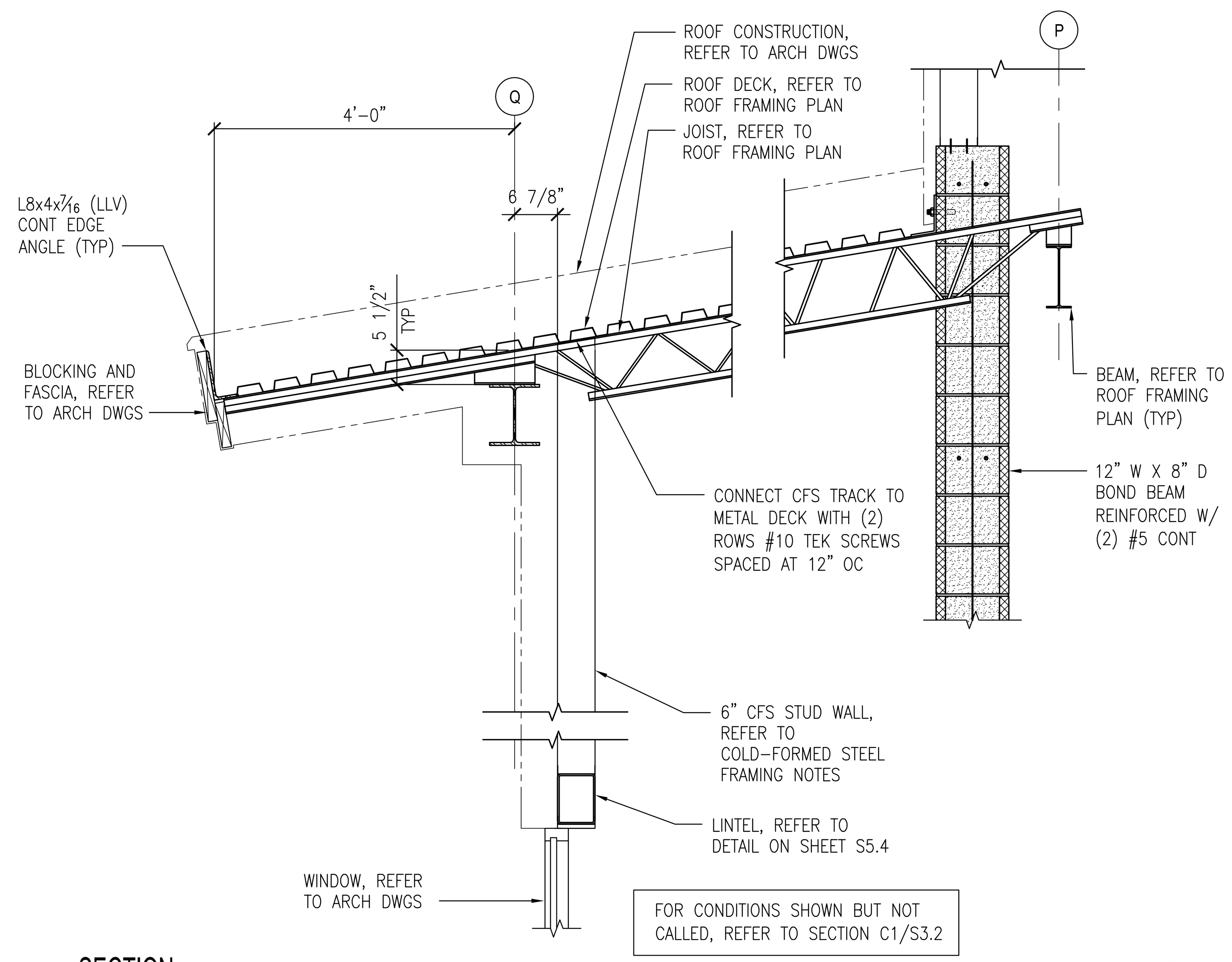

SECTION L6
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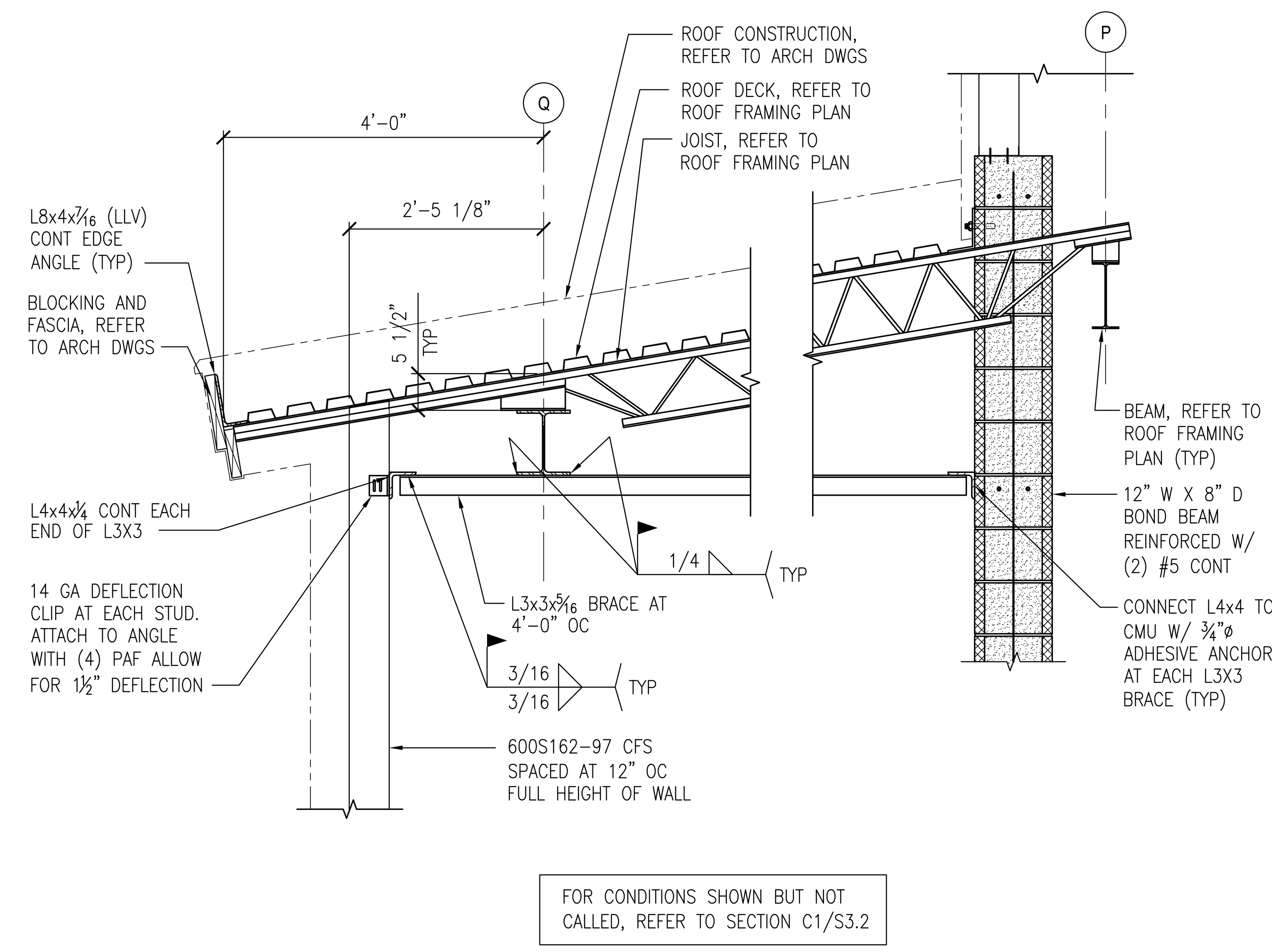

SECTION L15
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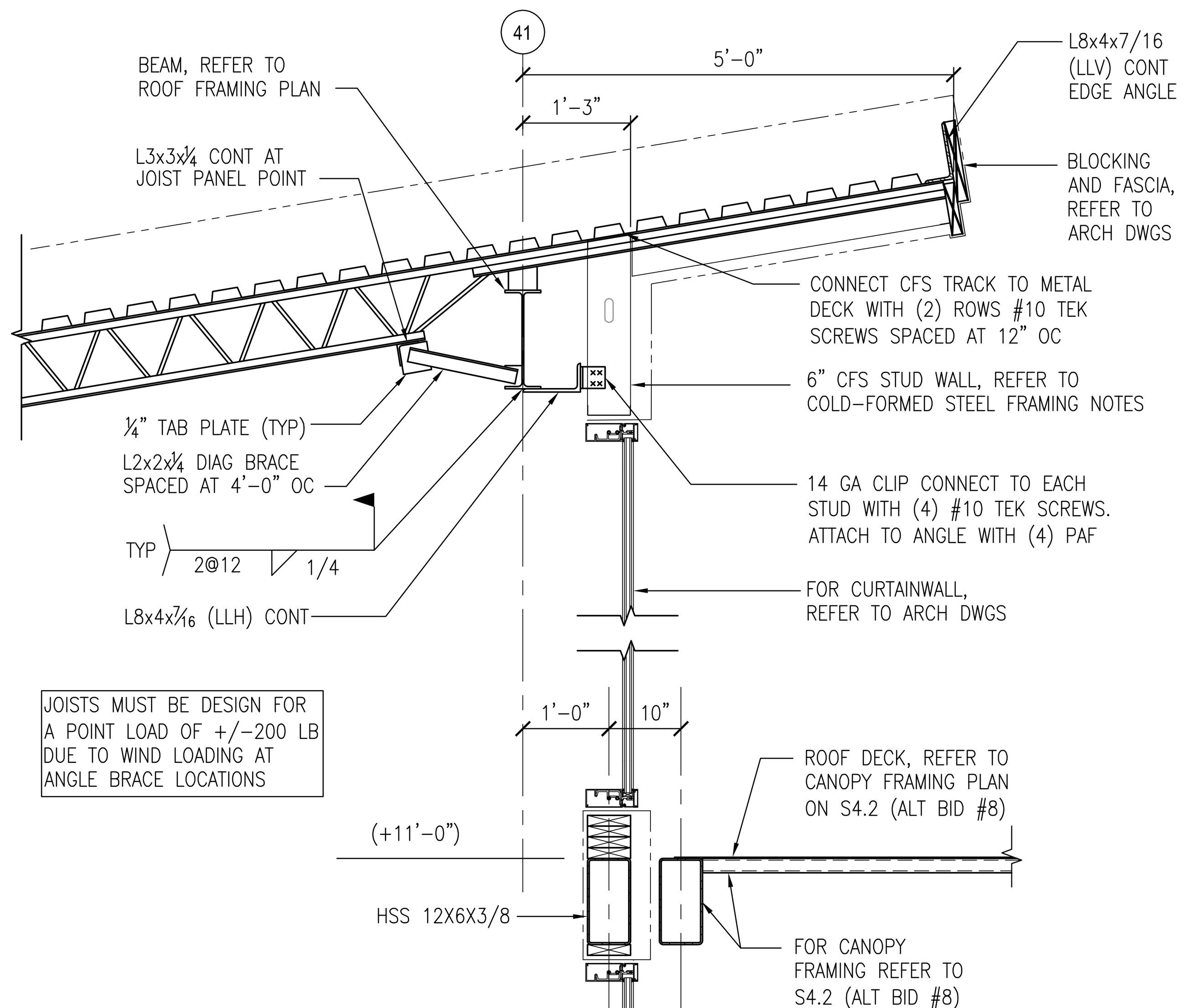

SECTION E1
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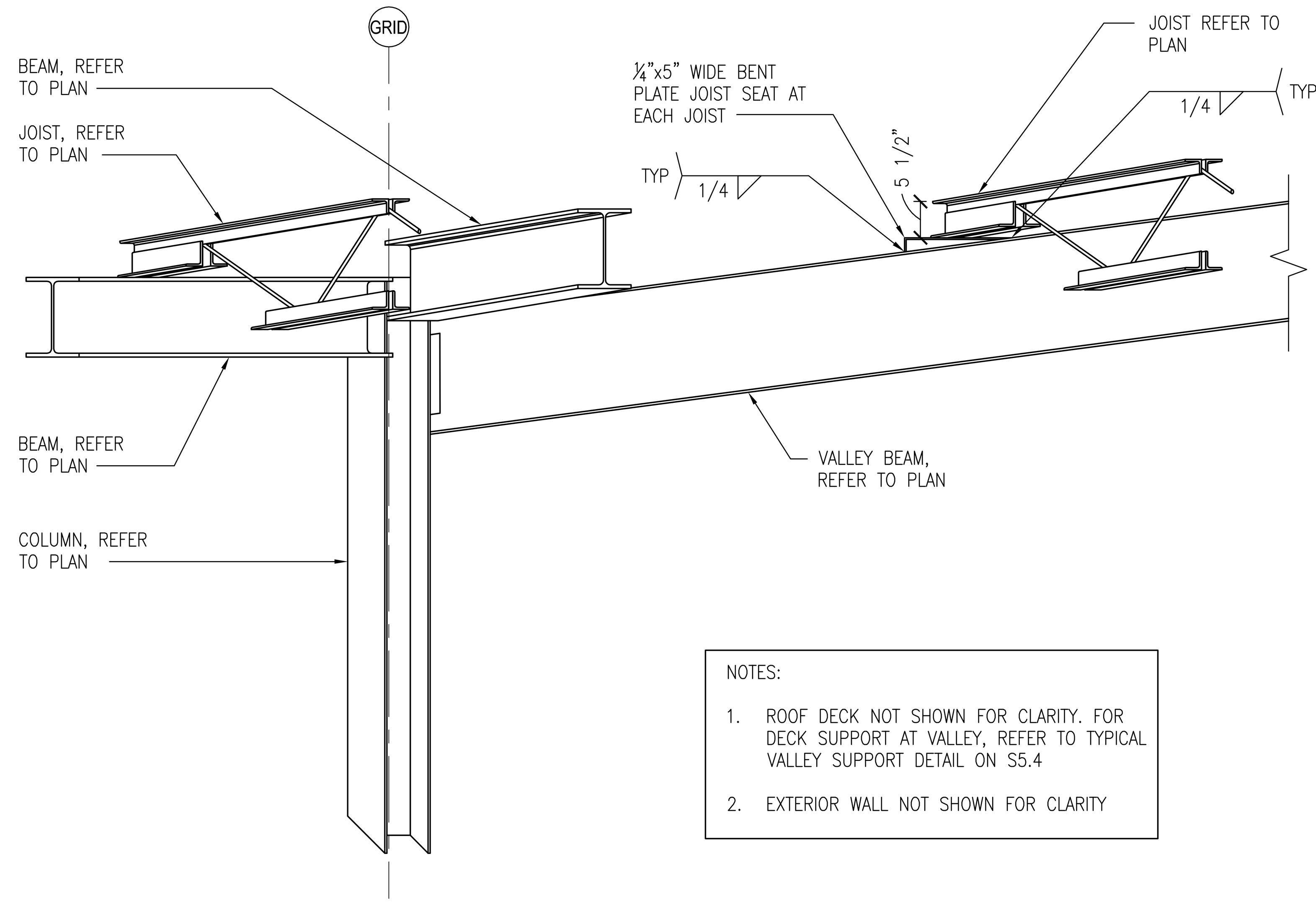

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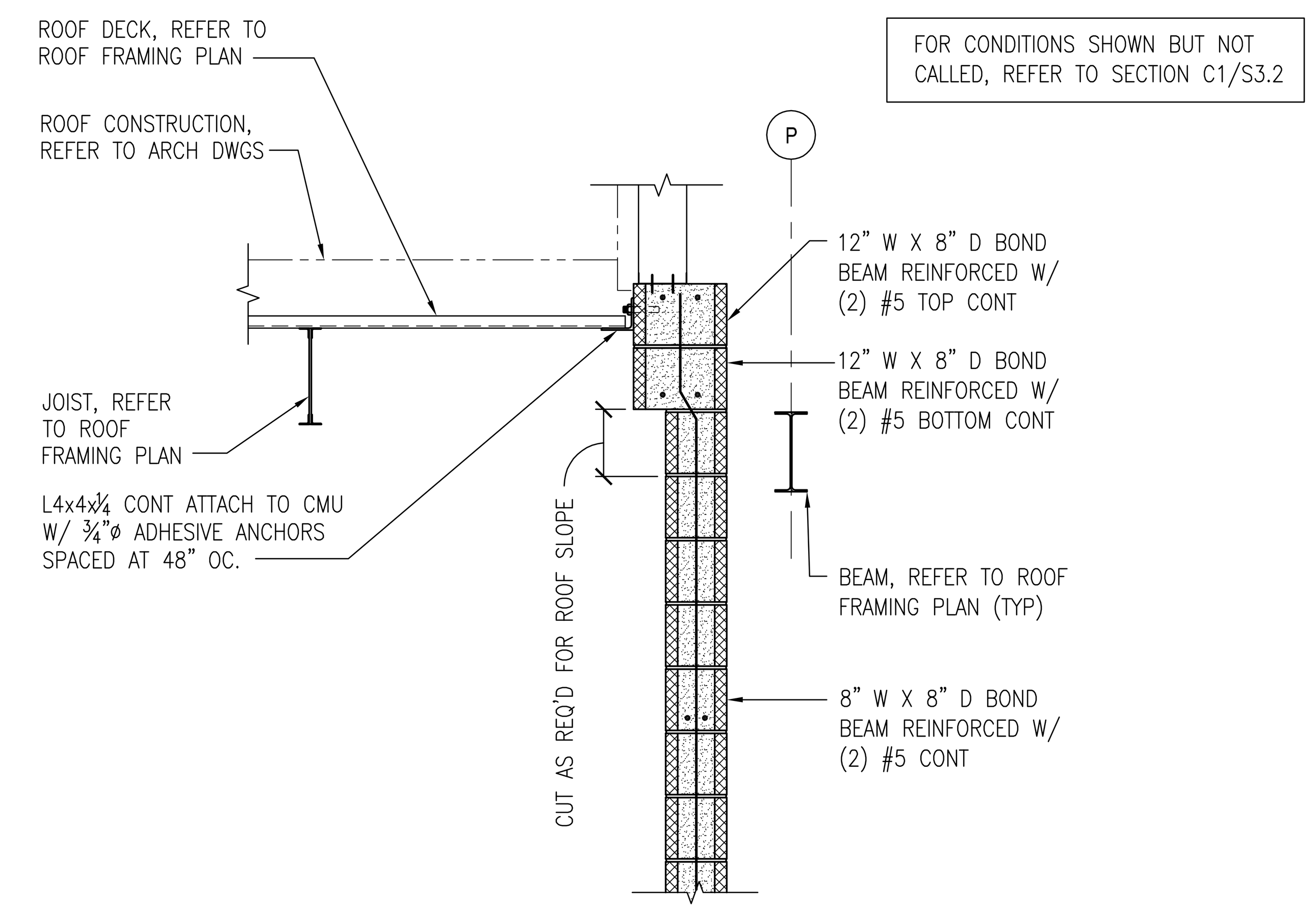

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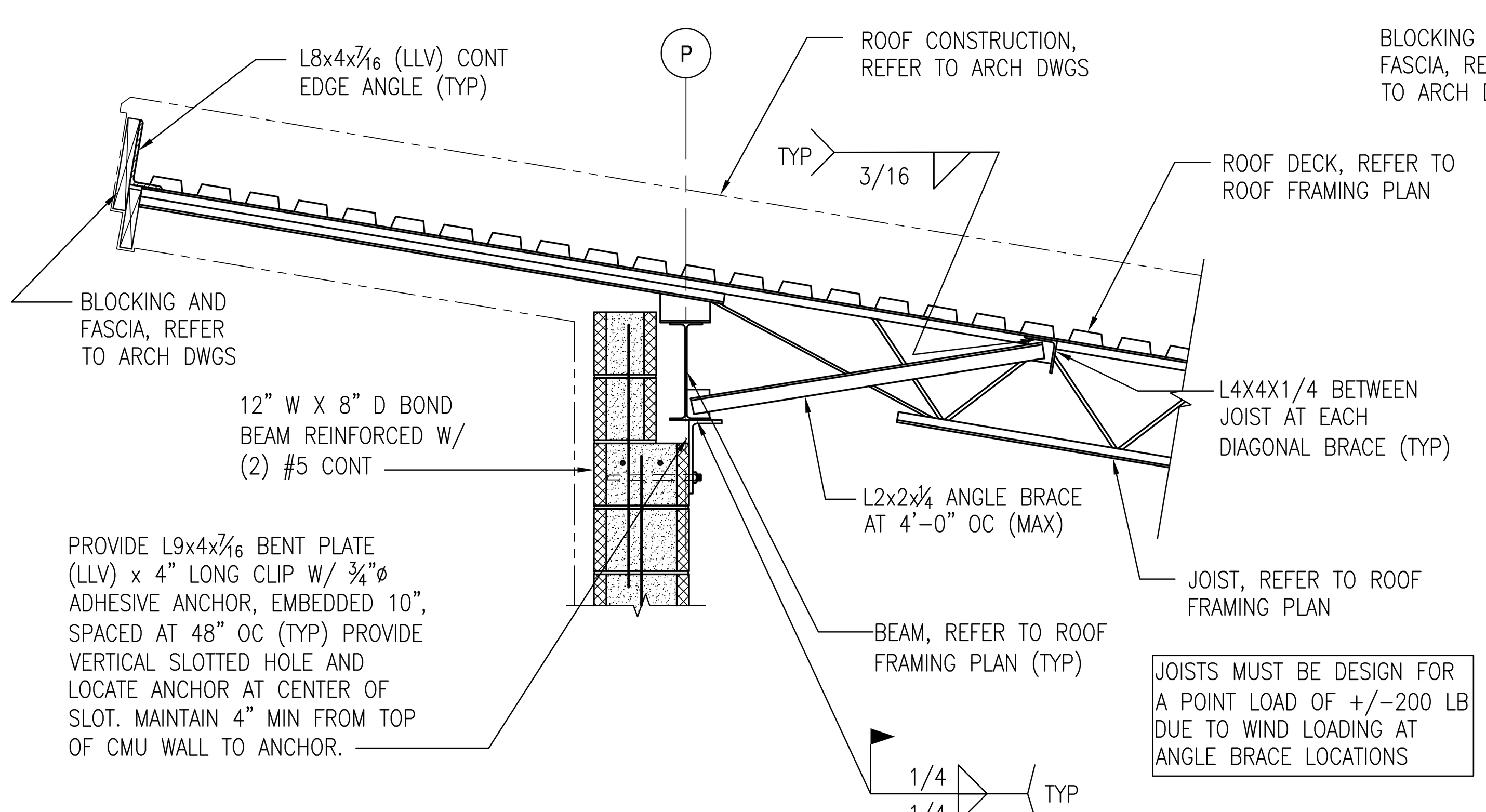

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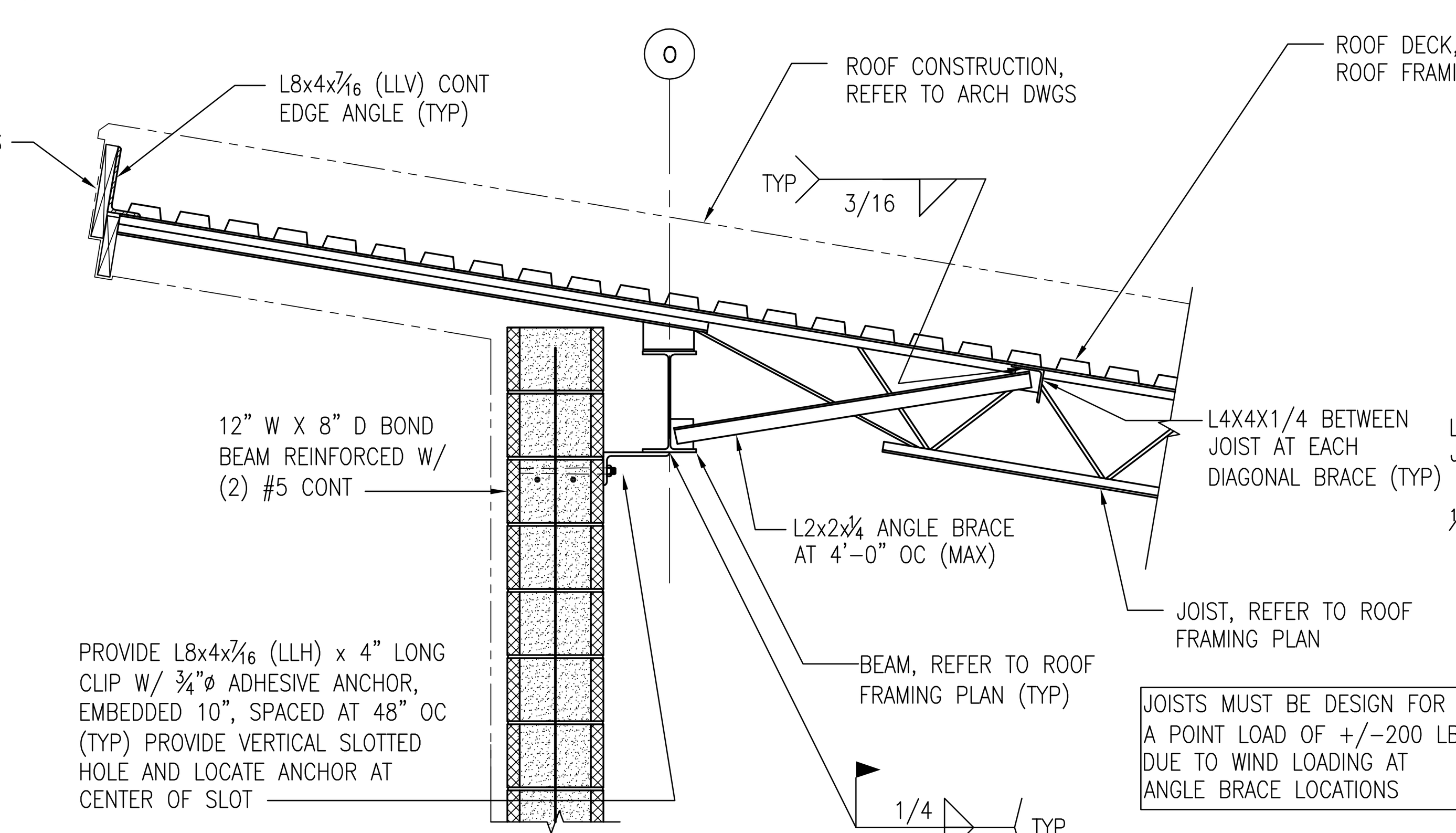

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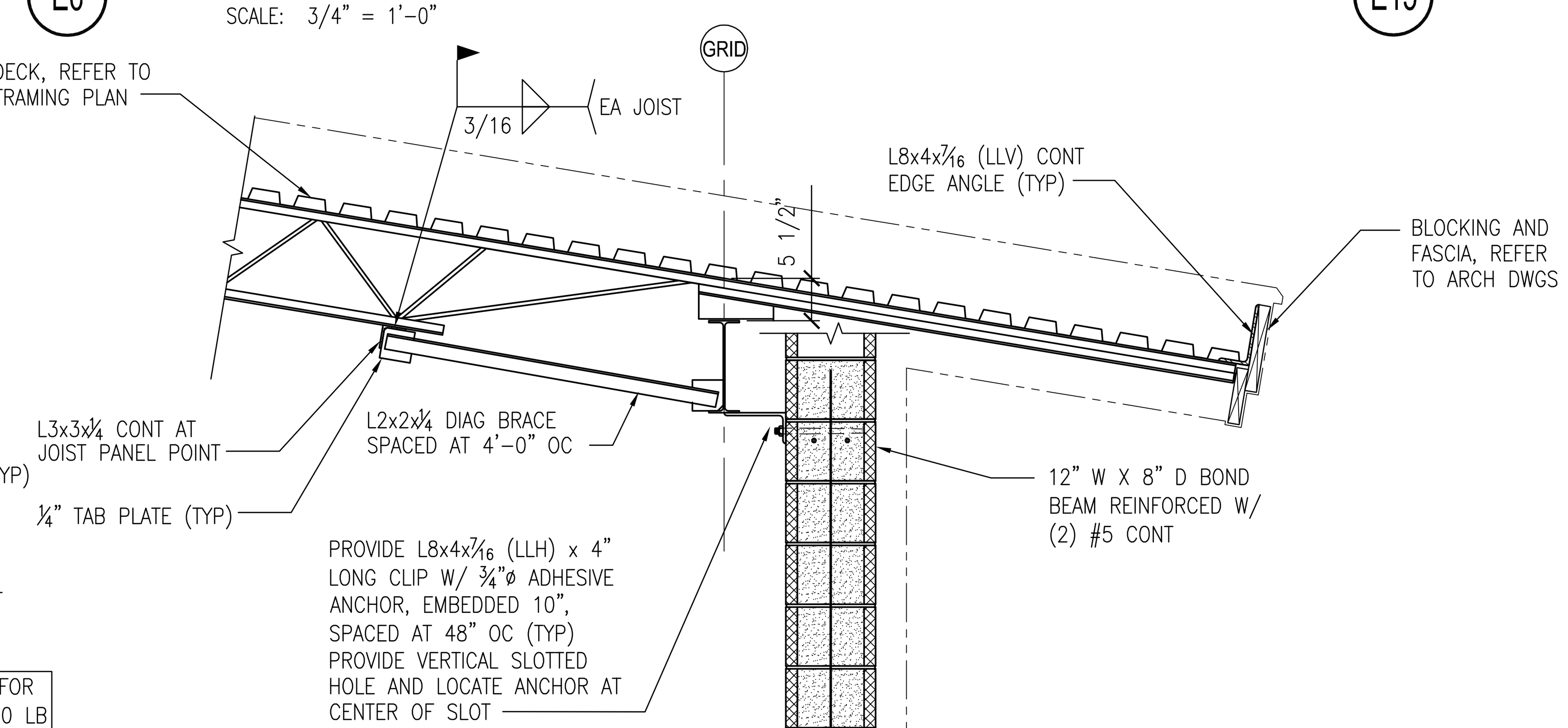


SECTION A15
SCALE: 3/4" = 1'-0"

GRAPHIC SCALE:
3/4" = 1'-0" 0 1' 2' 3'

NRW ENGINEERING Structural Consultants

MATERIALS KEYING LEGEND

GENERAL NOTES

KEY PLAN

SCO ID #22-25191-01A : NCCCS #2675

NO	REVISION	DATE

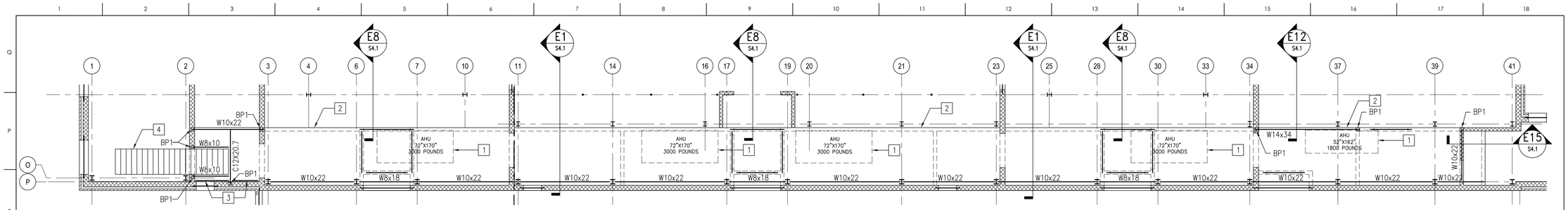
SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER 022830 KEVIN M. ROOMSBURG 2-15-2024

JKF ARCHITECTURE
625 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

PITT COMMUNITY COLLEGE
NEW WELDING BUILDING
WINTERVILLE, NC

DRAWING TITLE: SECTIONS

SCALE: 3/4" = 1'-0"
DRAWN: JSS
CHECKED: KMR
DATE: 2-15-2024
PROJECT NO: 2022-07
DRAWING NO: S3.3



MECHANICAL MEZZANINE FRAMING PLAN

SCALE: 1/8" = 1'-0"

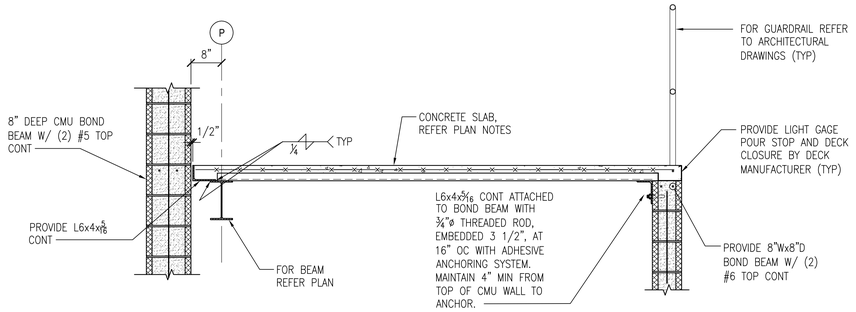
PN 7N

PLAN NOTES

1. DATUM FOR ALL ELEVATIONS GIVEN ON THIS PLAN IS FINISHED FIRST FLOOR ELEVATION = 0'-0". REFER TO ARCHITECTURAL SITE PLAN FOR ACTUAL ELEVATION.
2. TOP OF MEZZANINE FLOOR SLAB ELEVATION IS +12'-4" UNLESS OTHERWISE INDICATED THUS [+_____] ON PLAN.
3. TOP OF STEEL ELEVATION IS +12'-0" UNLESS OTHERWISE NOTED THUS (+_____) ON PLAN.
4. UNLESS OTHERWISE NOTED, THE MEZZANINE FLOOR CONSTRUCTION IS A 4" NORMAL WEIGHT CONCRETE SLAB SUPPORTED ON 2" – 19 GAGE COMPOSITE STEEL DECK (4" TOTAL THICKNESS). REINFORCE SLAB WITH 6x6-W1.4xW1.4 WELDED WIRE FABRIC LOCATED 1" FROM TOP OF SLAB.
5. GENERAL NOTES ARE LOCATED ON SHEET S0.1 AND S0.2 AND TYPICAL DETAILS ARE LOCATED ON SHEETS S5.1 TO S5.3.
6. LINTELS ARE SHOWN THUS ( ) ON PLAN. REFER TO LINTELS DETAILS ON SHEETS S5.2 AND S5.3.
7. BEAM BEARING PLATES ARE NOTED THUS: BPX ON PLAN, REFER TO SCHEDULE AND DETAIL ON SHEET S5.2.

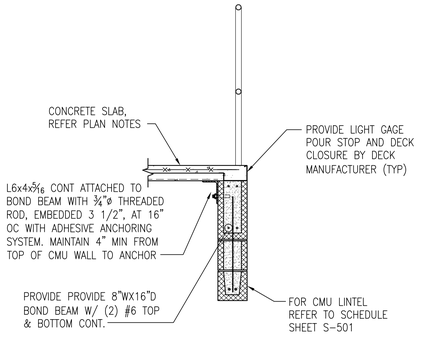
KEY PLAN NOTES

1. OUTLINE OF MECHANICAL UNIT, REFER TO MECHANICAL DRAWINGS.
2. EDGE OF MEZZANINE FLOOR SLAB.
3. L4X4X$\frac{5}{16}$ CONT. ATTACH TO BOND BEAM W/ $\frac{3}{4}$"ø TREADED ROD AT 16" OC W/ ADHESIVE ANCHORING SYSTEM.
4. FOR STAIRS REFER TO ARCH. DRAWINGS (TYP).



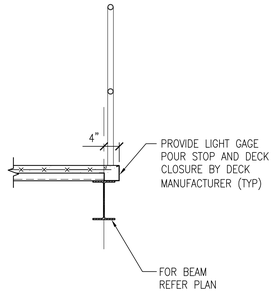
E1 SECTION

SCALE: 3/4" = 1'-0"



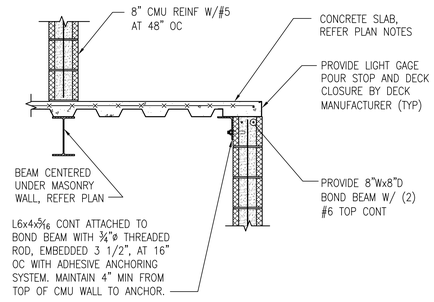
E8 SECTION

SCALE: 3/4" = 1'-0"



E12 SECTION

SCALE: 3/4" = 1'-0"



E15 SECTION

SCALE: 3/4" = 1'-0"

GRAPHIC SCALES:

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

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

MATERIALS KEYING LEGEND

GENERAL NOTES

KEY PLAN

SCO ID #22-25191-01A ; NCCCS #2675

NO	REVISION	DATE

SEAL: NORTH CAROLINA PROFESSIONAL 022830 2-15-2024 ENGINEER KEVIN M. ROONEY, JR.

JKF ARCHITECTURE

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PITT COMMUNITY COLLEGE
NEW WELDING BUILDING

WINTERVILLE, NC

DRAWING TITLE: MECHANICAL MEZZANINE FRAMING PLAN

SCALE	DRAWING NO.
AS NOTED	S4.1
DRAWN: JSS	
CHECKED: KMR	
DATE: 2-15-2024	
PROJECT NO.: 2022-07	

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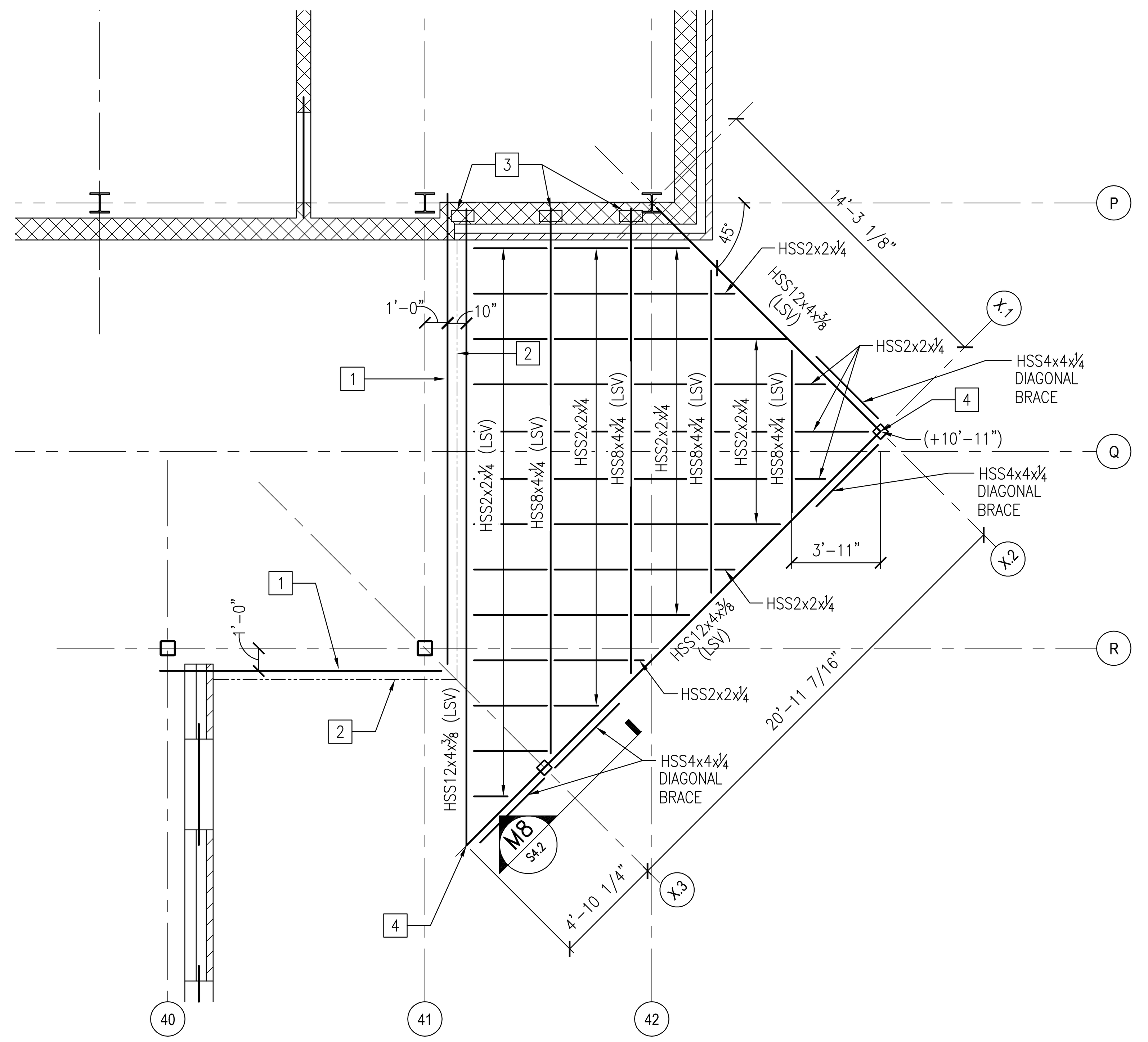
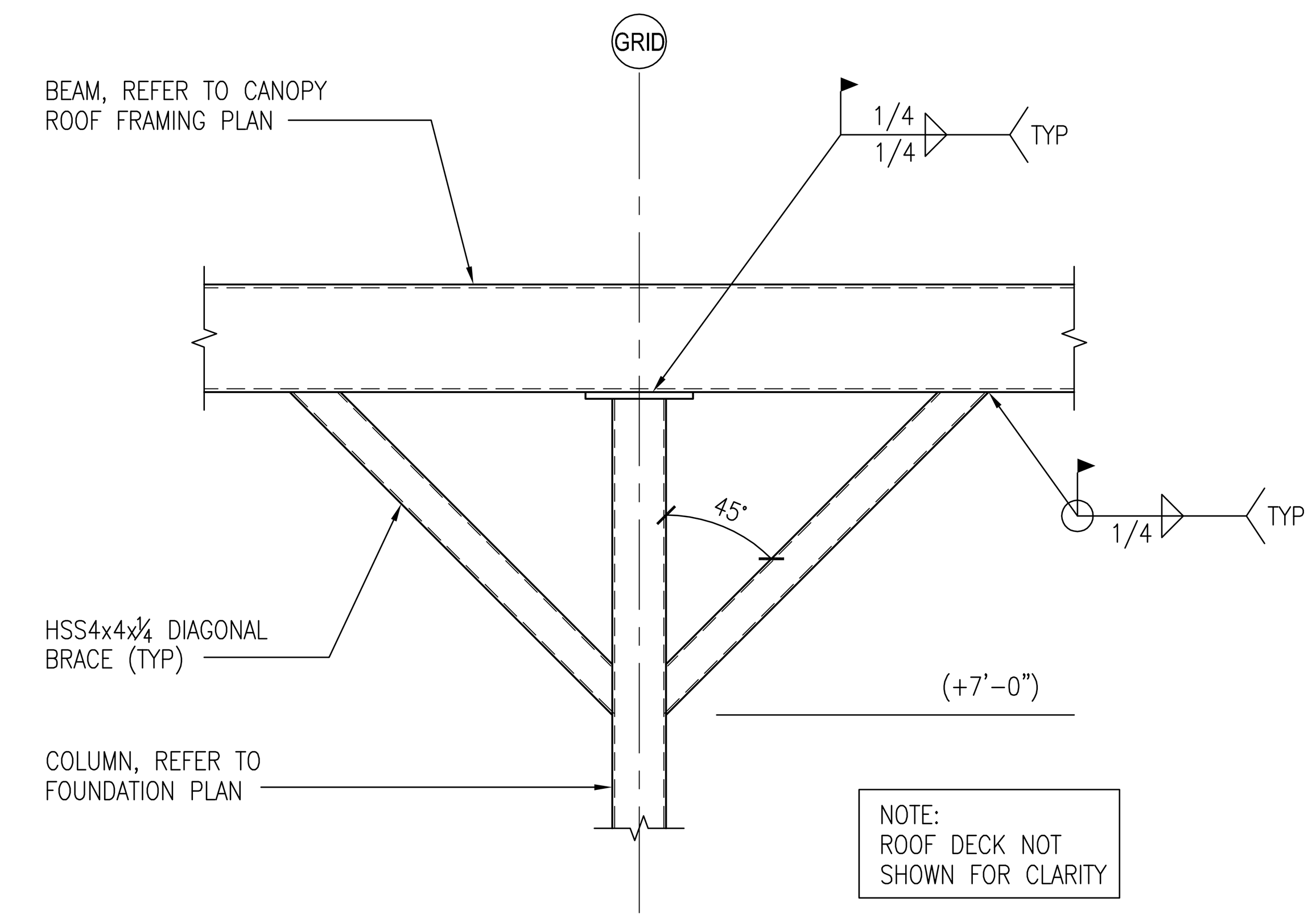


ENLARGED CANOPY ROOF FRAMING PLAN - ALT BID #8

SCALE: 1/4" = 1'-0"

J1



SECTION - BID ALT #8

SCALE: 3/4" = 1'-0"

M8

PLAN NOTES

1. DATUM FOR ALL ELEVATIONS GIVEN ON THIS PLAN IS FINISHED FIRST FLOOR ELEVATION = 0'-0". REFER TO ARCHITECTURAL SITE PLAN FOR ACTUAL ELEVATION.
2. TOP OF STEEL CANOPY BEAM ELEVATIONS = (+11'-0") UNLESS OTHERWISE INDICATED THUS (+_______) ON PLAN.
3. UNLESS OTHERWISE NOTED, THE CANOPY ROOF CONSTRUCTION IS 3/16" DIAMOND PLATE (GALV) DECK SUPPORTED ON HSS STEEL BEAMS. CONNECT DECK TO HSS WITH GALV SELF TAPPING SCREWS SPACED AT 12" OC.
4. DIAMOND PLATE DECK MUST HAVE DIAMOND PATTERN FACING DOWN. PROVIDE A CONTINUOUS WELD AT ALL PLATE JOINTS.
5. GENERAL NOTES ARE LOCATED ON SHEET S0.1 AND S0.2 AND TYPICAL DETAILS ARE LOCATED ON SHEETS S5.1 TO S5.4.
6. UNLESS OTHERWISE INDICATED, ALL CONNECTIONS MUST BE ¼" FILLET WELDS ALL AROUND.
7. EXPOSED CANOPY AND LOBBY FRAMING MUST MEET THE REQUIREMENTS OF AESS.

KEY PLAN NOTES

1. HSS12X6X⅜ (LSV) CURTAIN WALL GIRT, TOP OF STEEL ELEVATION = (+11'-0"). REFER TO DETAIL ON S5.4 FOR CONNECTION TO COLUMN.
2. FACE OF CURTAIN WALL.
3. BEAM BEARING PLATE. REFER TO DETAIL ON S5.2.
4. MITER CORNER OF HSS BEAMS AND PROVIDE FULL PENETRATION WELD. REFER TO AESS NOTES ON S0.2 FOR REQUIREMENTS.

GRAPHIC SCALE:

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

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

NRW ENGINEERING Structural Consultants

MATERIALS KEYING LEGEND

GENERAL NOTES

KEY PLAN

SCO ID #22-25191-01A : NCCCS #2675

NO	REVISION	DATE

SEAL

NORTH CAROLINA PROFESSIONAL ENGINEER 022830 2-15-2024 KEVIN M. ROOMSBURG

J K F ARCHITECTURE

625 LYNNDALE CT. SUITE F, GREENVILLE, NC 27858 252-355-1068

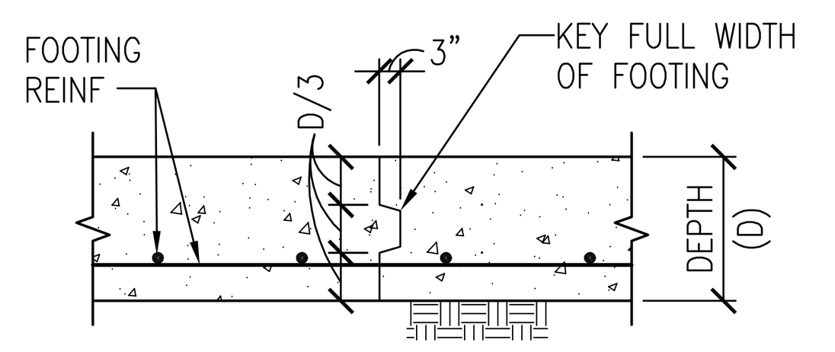
PITT COMMUNITY COLLEGE
NEW WELDING BUILDING

WINTERVILLE, NC

DRAWING TITLE

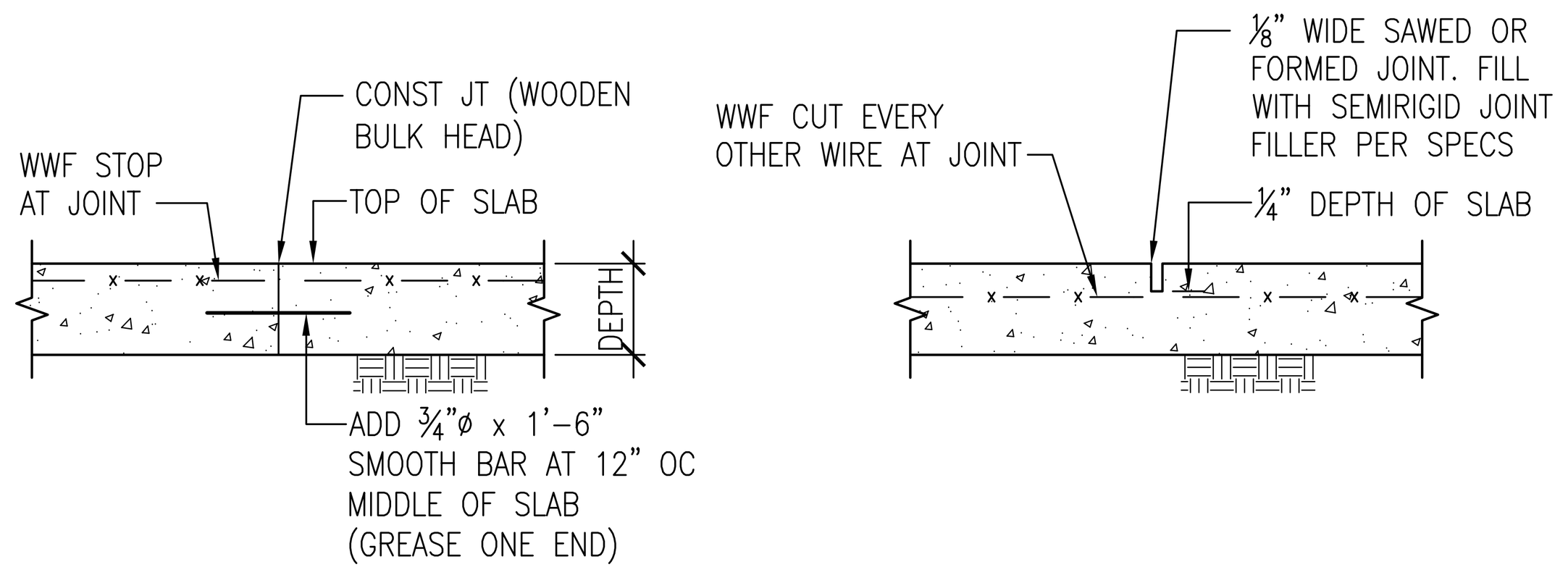
ENLARGED CANOPY ROOF FRAMING PLAN

SCALE	AS NOTED
DRAWN	JSS
CHECKED	KMR
DATE	2-15-2024
PROJECT NO.	2022-07
DRAWING NO	S4.2



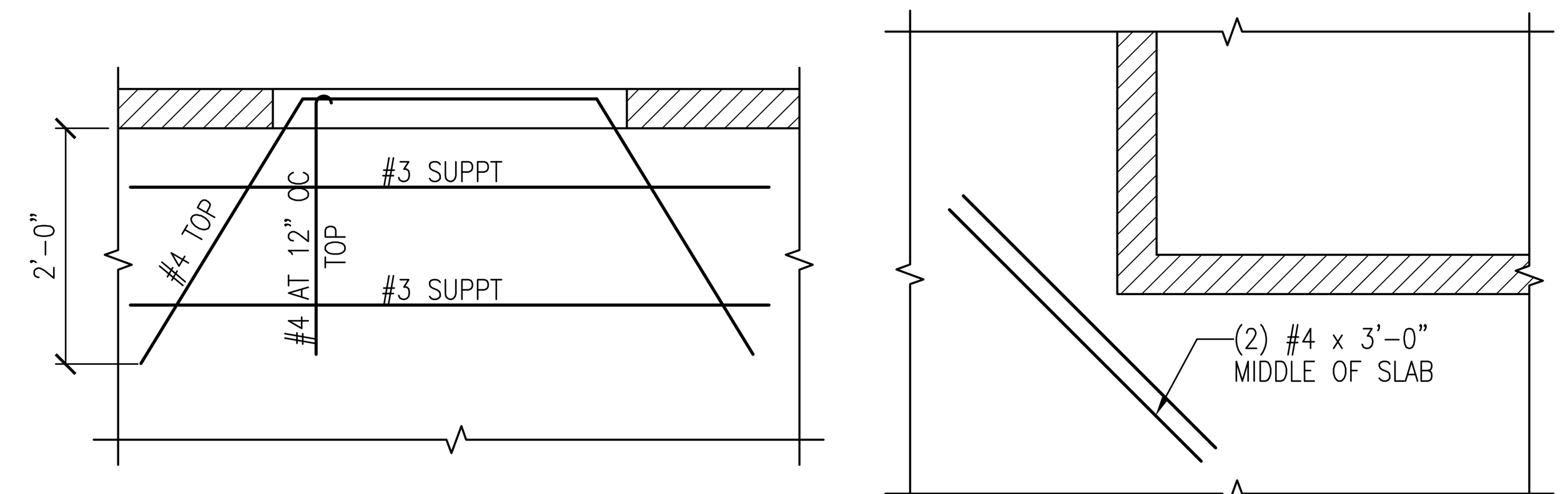
TYPICAL FOOTING CONSTRUCTION JOINT DETAIL

NOT TO SCALE



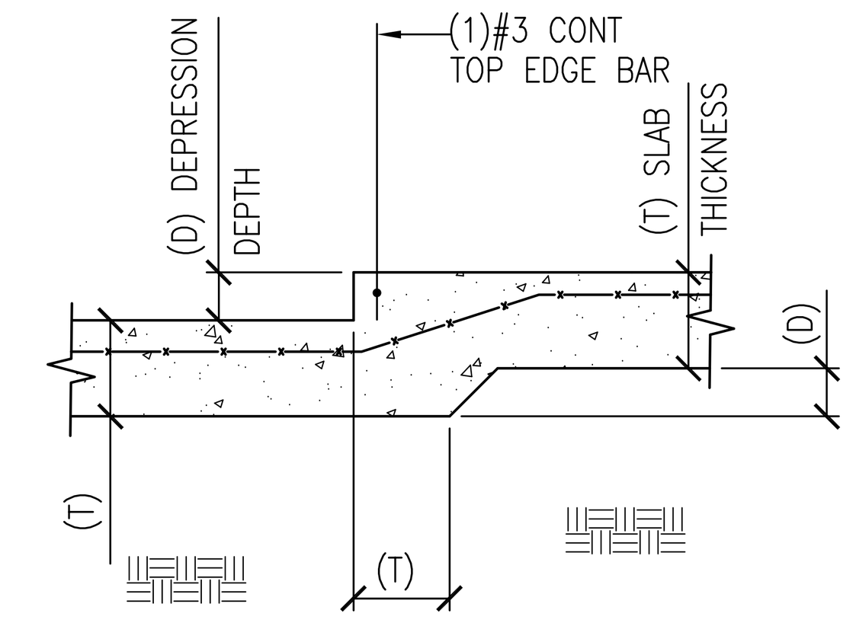
TYPICAL SLAB CONTROL JOINT DETAILS

NOT TO SCALE



TYPICAL DETAIL SHOWING SLAB REINFORCING AT EXTERIOR DOORS AND CORNERS

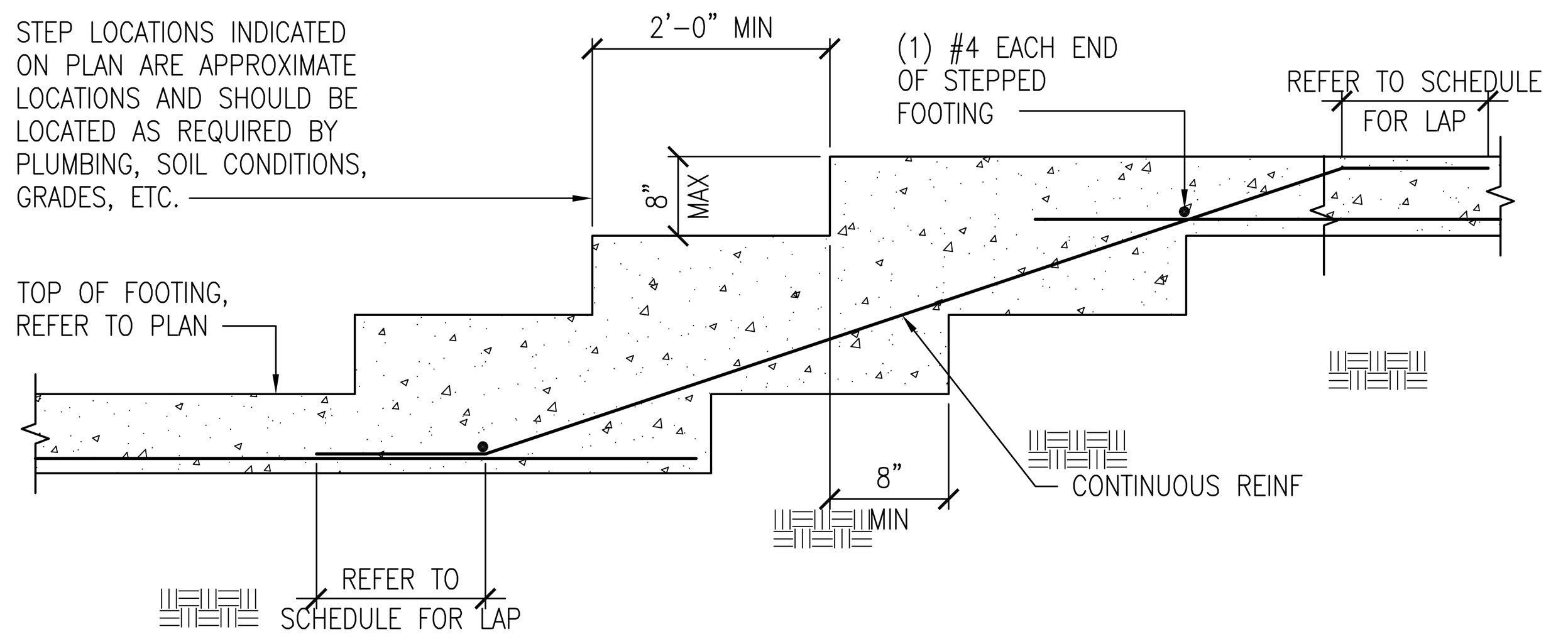
NOT TO SCALE



TYPICAL DEPRESSED SLAB DETAIL

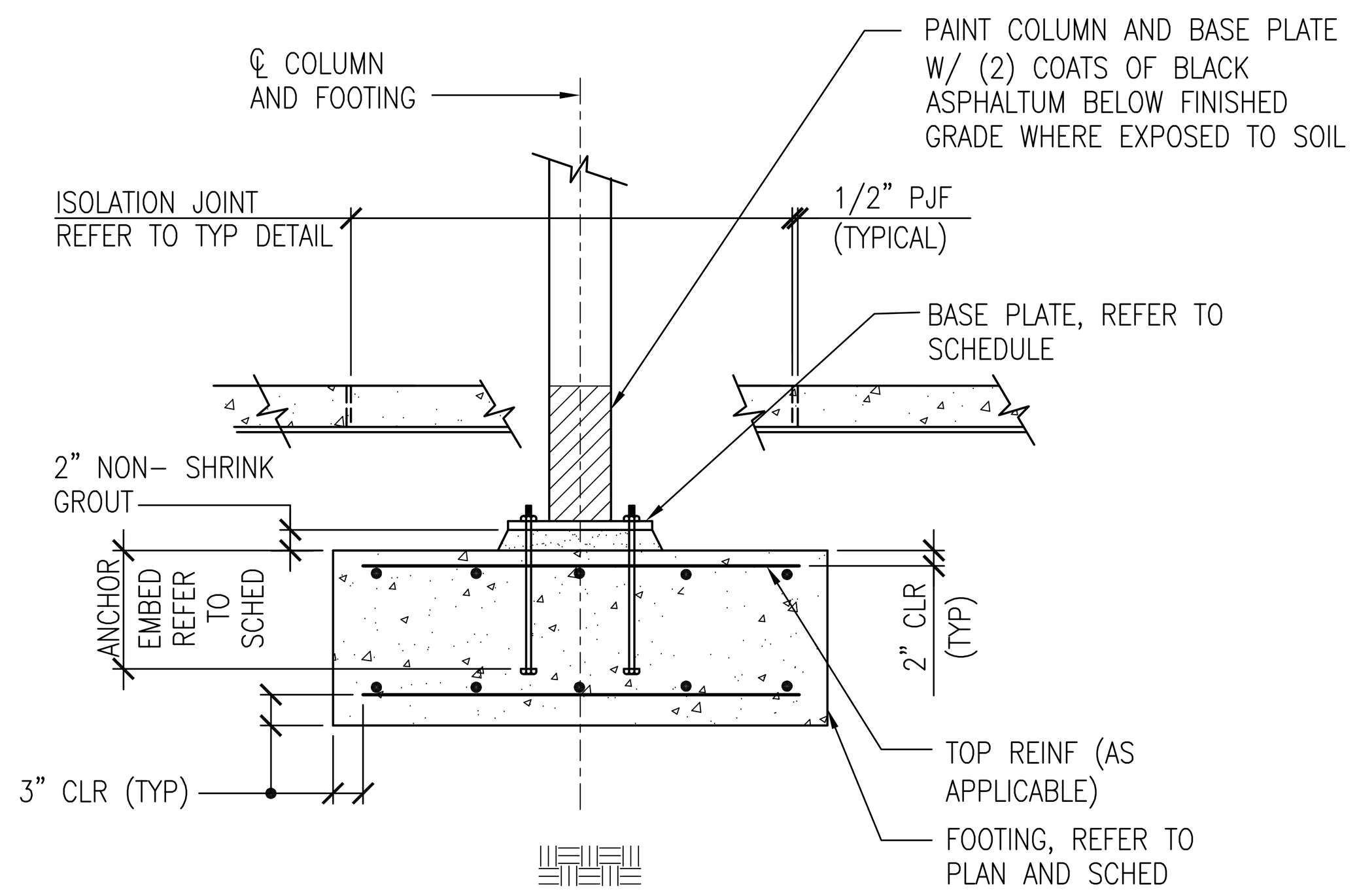
NOT TO SCALE

CONCRETE REINFORCEMENT LAP SPLICE SCHEDULE		
BAR SIZE	LAP LENGTH	
	TOP BARS	BOTTOM BARS
#4	33"	25"
#5	41"	31"
#6	49"	36"
#7	71"	54"
#8	81"	62"
#9	91"	70



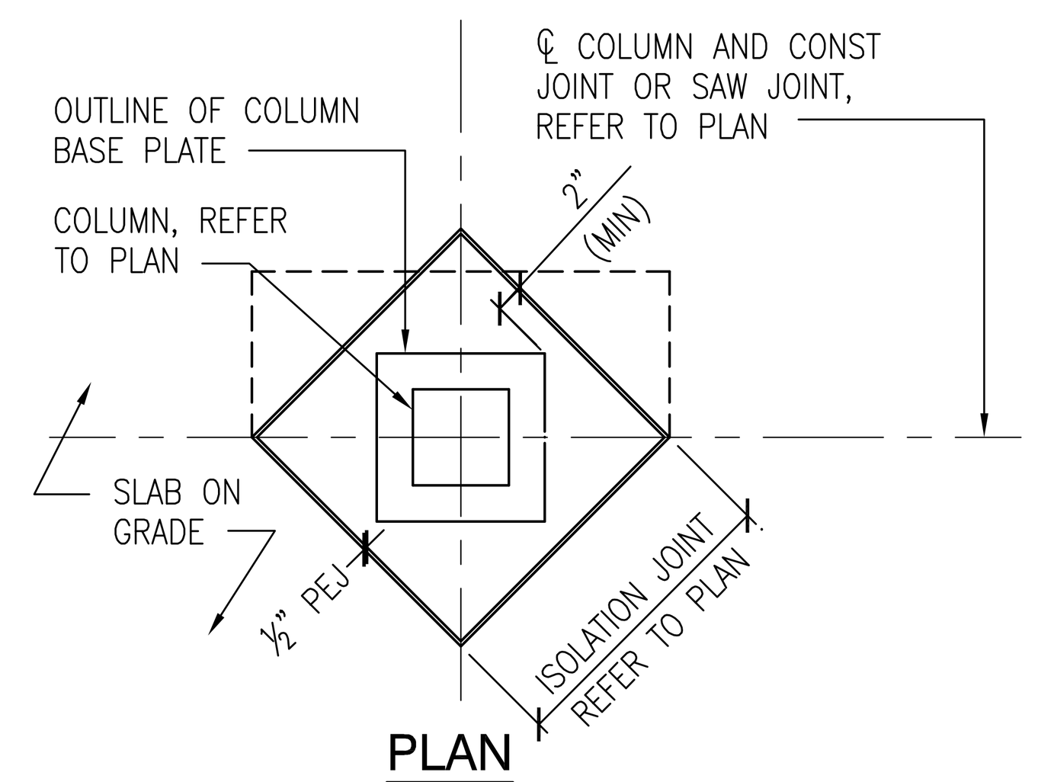
TYPICAL STEPPED FOOTING DETAIL

NOT TO SCALE



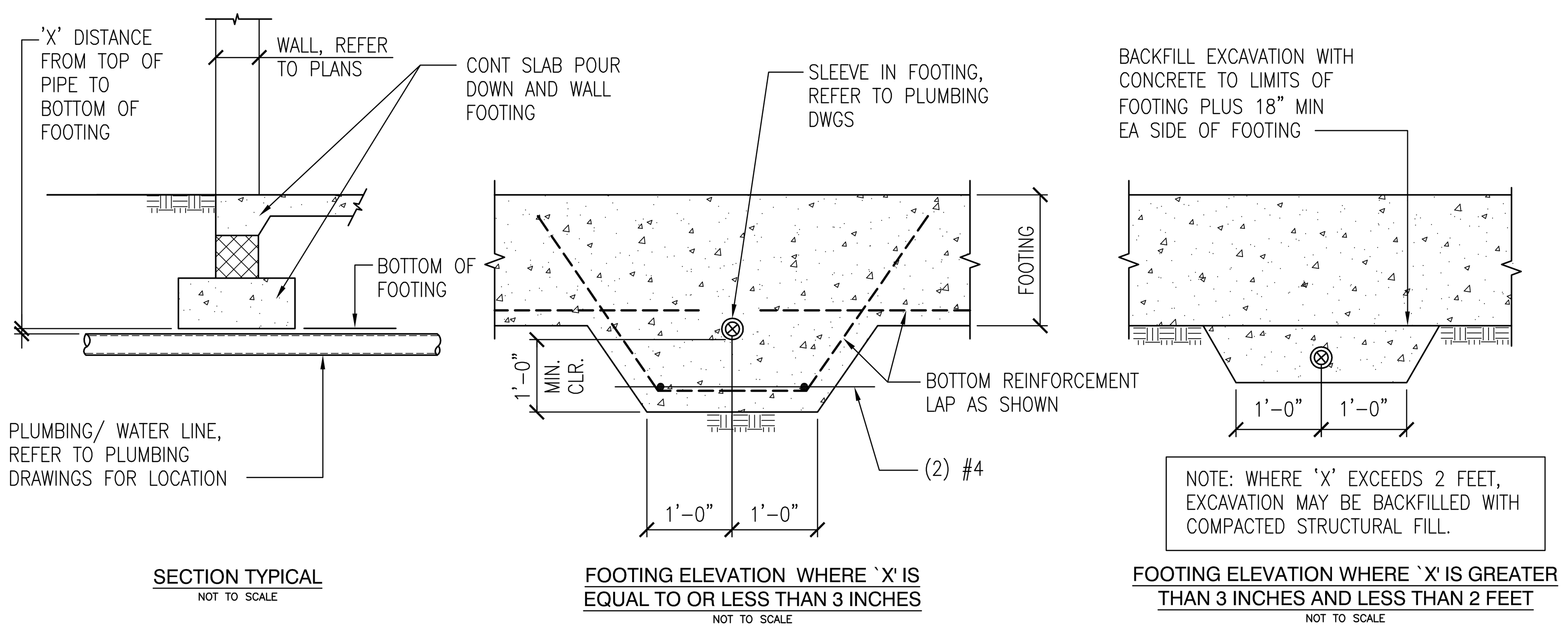
TYPICAL COLUMN AND FOOTING DETAIL

NOT TO SCALE



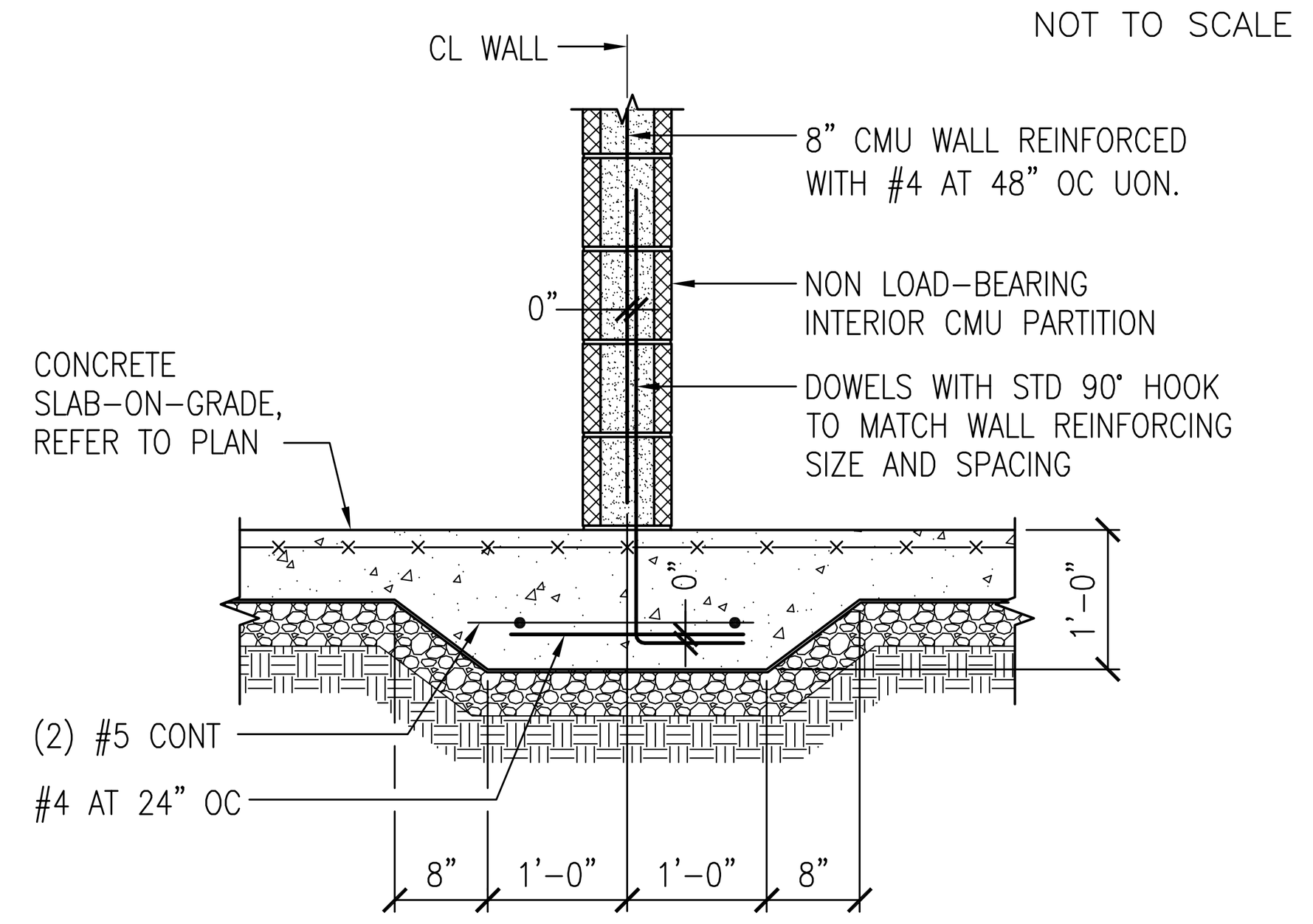
TYPICAL ISOLATION JOINT DETAIL

NOT TO SCALE



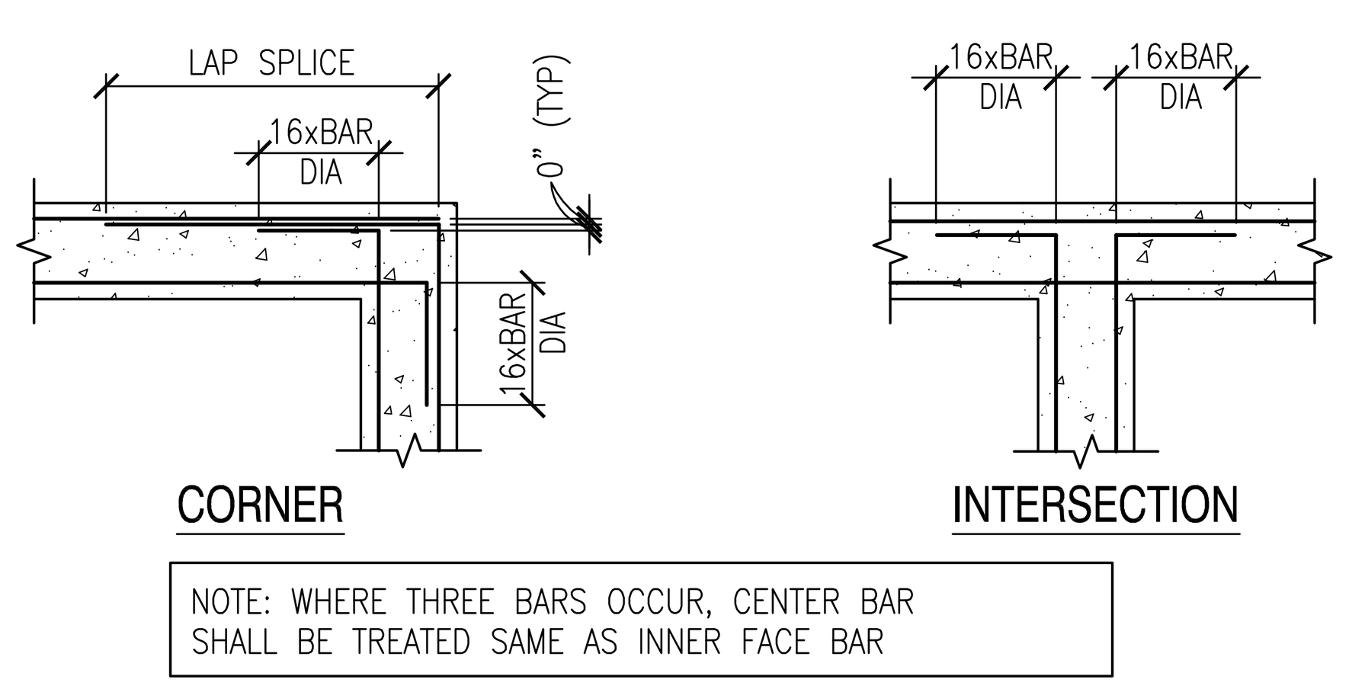
TYPICAL DETAIL SHOWING PLUMBING LINE UNDER FOOTING

NOT TO SCALE



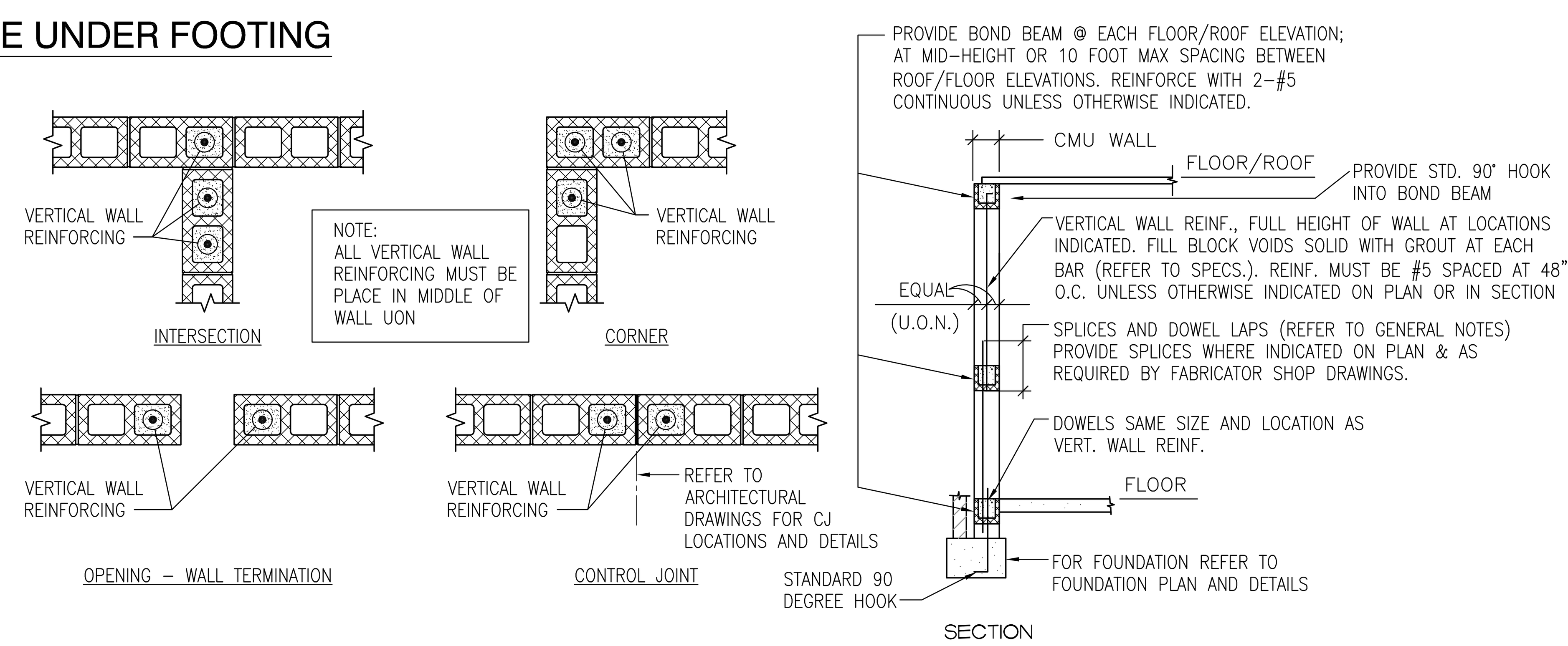
TYPICAL THICKENED SLAB DETAIL

NOT TO SCALE



TYPICAL DETAIL SHOWING CONTINUOUS REINFORCING AT CORNERS AND INTERSECTIONS

NOT TO SCALE



TYPICAL REINFORCED MASONRY WALL DETAILS

NOT TO SCALE

COLUMN SCHEDULE

MARK	SIZE	B	N	BASE PLATE TYPE	THICKNESS	ANCHOR ROD	EMBEDMENT
C1	W10x33	14"	16"	B	1"	(4) 1"Ø	12"
C2	W10x39	14"	16"	B	1 ⅛"	(4) 1"Ø	12"
C3	W10x77	17"	17"	B	1"	(4) 1"Ø	12"
C4	W12x40	15"	20"	D	1 ⅜"	(4) 1 ¼"Ø	12"
C5	W12x45	15"	19"	B	1 ¼"	(4) 1"Ø	12"
C6	W12x50	15"	19"	B	1 ⅛"	(4) 1"Ø	12"
C7	W12x58	16"	19"	B	⅞"	(4) 1"Ø	12"
C8	W14x43	14"	20"	C	1 ¾"	(4) 1 ¼"Ø	13"
C9	W16x57	14"	24"	D	1 ¾"	(4) 1 ½"Ø	15"
C10	W16x67	17"	28"	C	1 ⅞"	(4) 1 ½"Ø	15"
C11	W10x33	14"	16"	C	1 ½"	(4) 1 ½"Ø	12"
C12	HSS6x6x¼	12"	12"	A	⅞"	(4) ¾"Ø	12"
C13	HSS8x8x½	16"	16"	E	1 ⅞"	(4) 1 ¼"Ø	12"
WC1*	HSS6x6x¼	12"	6"	F	¾"	(2) ¾"Ø	6"
WC2*	HSS6x6x5/16	12"	6"	F	¾"	(2) ¾"Ø	6"

NOTE:
1. (*) WC1 SHALL BE CENTERED IN LIGHT GAGE STUD WALL AND CONNECTED TO TOP OF SLAB.
2. HEADED ANCHOR RODS SHALL BE ASTM F1554 GRADE 36 WITH HEAVY HEX NUTS (UON).
3. (**) HEADED ANCHOR RODS SHALL BE ASTM F1554 GRADE 55 WITH HEAVY HEX NUTS.
4. OVERSIZE BASE PLATE HOLES WITH WASHERS AS FOLLOWS:

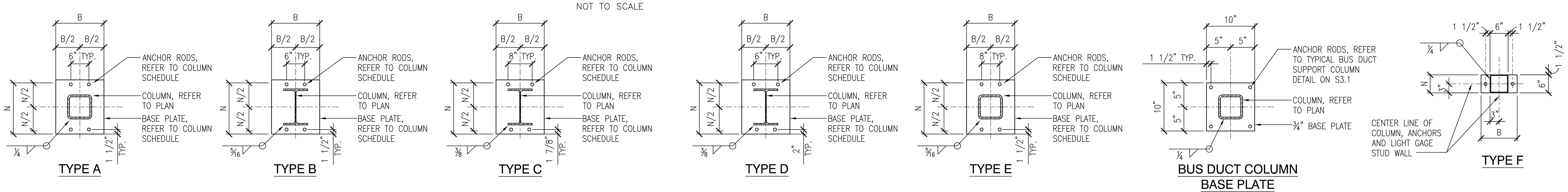
BOLTS	HOLE Ø	WASHER
⅞"Ø	1 9/16"	5/16"x2 ½"Ø
1"Ø	1 13/16"	⅜"x3"Ø
1¼"Ø	2 1/16"	½"x3"Ø
1½"Ø	2⅜"	½"x4"Ø

COLUMN FOOTING SCHEDULE

MARK	DIMENSIONS			REINFORCING				REMARKS
				SHORT WAY		LONG WAY		
	WIDTH	LENGTH	DEPTH	QUANTITY	SIZE	QUANTITY	SIZE	
F4.0	4'-0"	4'-0"	1'-4"	5	5	5	5	TOP AND BOTTOM
F4.5	4'-6"	4'-6"	1'-4"	6	5	6	5	TOP AND BOTTOM
F5.0	5'-0"	5'-0"	1'-4"	6	5	6	5	TOP AND BOTTOM
F6.0	6'-0"	6'-0"	1'-4"	7	5	7	5	TOP AND BOTTOM
F6.5	6'-6"	6'-6"	1'-4"	8	5	8	5	TOP AND BOTTOM
F7.0	7'-0"	7'-0"	1'-6"	8	5	8	5	TOP AND BOTTOM
F7.0A	7'-0"	6'-0"	1'-4"	7	5	8	5	TOP AND BOTTOM
F7.5	7'-6"	7'-6"	1'-4"	9	5	9	5	TOP AND BOTTOM
F8.0	8'-0"	6'-0"	1'-4"	8	5	9	5	TOP AND BOTTOM
F8.0A	8'-0"	7'-0"	1'-4"	8	5	9	5	TOP AND BOTTOM
F8.5	8'-6"	8'-6"	1'-4"	10	5	10	5	TOP AND BOTTOM
F9.5	9'-6"	9'-6"	1'-4"	11	5	11	5	TOP AND BOTTOM
F10.0	10'-0"	8'-0"	1'-6"	9	5	12	5	TOP AND BOTTOM
F11.0	11'-0"	8'-0"	1'-6"	9	5	13	5	TOP AND BOTTOM
F11.5	11'-6"	8'-0"	1'-6"	9	5	13	5	TOP AND BOTTOM
F12.5	12'-6"	8'-0"	1'-6"	9	5	14	5	TOP AND BOTTOM
F13.0	13'-0"	8'-0"	1'-6"	9	5	15	5	TOP AND BOTTOM
F14.5	14'-0"	7'-0"	1'-6"	16	5	8	5	TOP AND BOTTOM
F15.0	15'-0"	8'-0"	1'-4"	9	5	17	5	TOP AND BOTTOM
F18.0	18'-0"	8'-0"	1'-4"	9	5	21	5	TOP AND BOTTOM

WALL FOOTING SCHEDULE

MARK	DIMENSIONS		REINFORCING				NOTES
			LONGITUDINAL		TRANSVERSE		
	WIDTH	DEPTH	QUANTITY	SIZE	SIZE	SPACING	
WF2.0	2'-0"	1'-0"	3	4	4	4'-0"	
WF2.5	2'-6"	1'-0"	4	4	4	4'-0"	
WF3.0	3'-0"	1'-0"	4	4	4	4'-0"	
WF3.5	3'-6"	1'-0"	5	4	4	4'-0"	
WF4.0	4'-0"	1'-0"	5	4	4	4'-0"	



TYPICAL BASE PLATE DETAIL

NOT TO SCALE

MATERIALS KEYING LEGEND

GENERAL NOTES

KEY PLAN

SCO ID #22-25191-01A : NCCCS #2675

NO	REVISION	DATE

SEAL

JKF ARCHITECTURE

625 LYNNDALE CT. SUITE F, GREENVILLE, NC 27858 252-355-1068

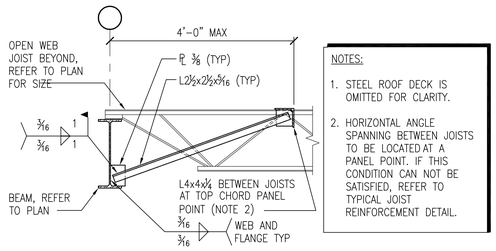
PITT COMMUNITY COLLEGE NEW WELDING BUILDING

WINTERVILLE, NC

DRAWING TITLE: TYPICAL DETAILS

SCALE: NONE
DRAWN: JSS
CHECKED: KMR
DATE: 2-15-2024
PROJECT NO.: 2022-07
DRAWING NO: S5.1

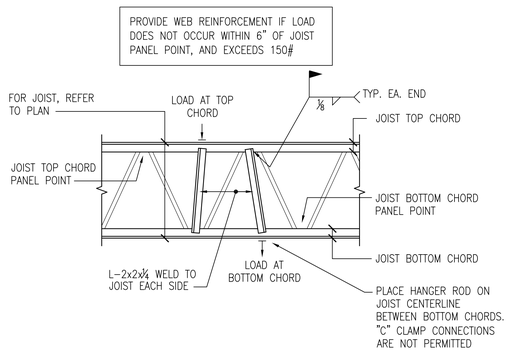
NRW ENGINEERING Structural Consultants



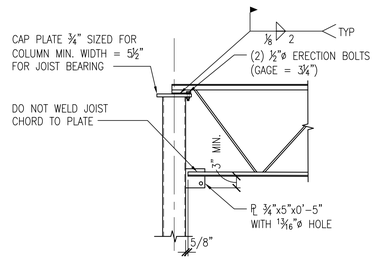
NOTES:

1. STEEL ROOF DECK IS OMITTED FOR CLARITY.
2. HORIZONTAL ANGLE SPANNING BETWEEN JOISTS TO BE LOCATED AT A PANEL POINT. IF THIS CONDITION CAN NOT BE SATISFIED, REFER TO TYPICAL JOIST REINFORCEMENT DETAIL.

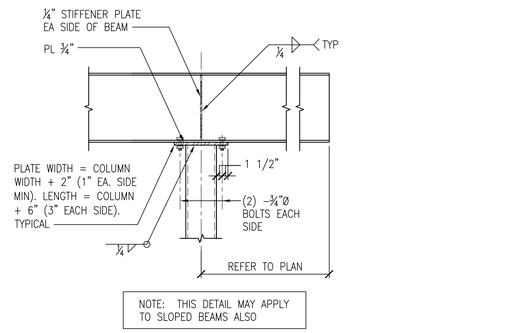
TYPICAL BOTTOM FLANGE BRACING
NOT TO SCALE



TYPICAL ADDED REINF. AT JOIST SUPPORTING LOADS BETWEEN PANEL POINTS
NOT TO SCALE

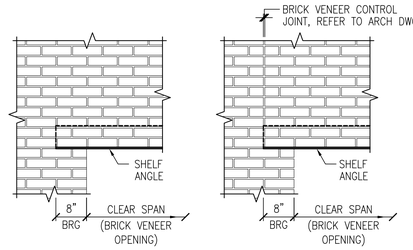


TYPICAL 'SP' JOIST TO COLUMN CONNECTION DETAIL
NOT TO SCALE



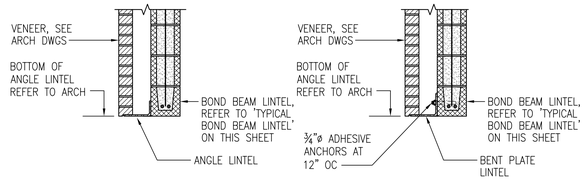
NOTE: THIS DETAIL MAY APPLY TO SLOPED BEAMS ALSO

TYPICAL BEAM BEARING ON COLUMN DETAIL
NOT TO SCALE



ELEVATION

ELEVATION AT BRICK VENEER CONTROL JOINT



SECTION AT LOOSE ANGLE

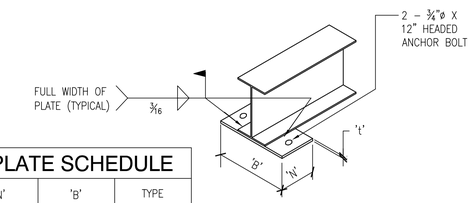
SECTION AT ATTACHED ANGLE

MASONRY SHELF ANGLE SCHEDULE		
CLEAR SPAN	SHELF ANGLE SIZE	SHELF ANGLE TYPE
0'-0" TO 4'-4"	L7x4x⅜ (LLH)	LOOSE
OVER 4'-4"	BENT PLATE 7x6x⅜ (LLH)	ATTACHED

NOTES:

1. PROVIDE 8" MINIMUM BEARING AT EACH END OF LOOSE LINTEL ANGLE.
2. STOP ATTACHED LINTEL ANGLES ½" SHORT OF MASONRY OPENING EACH END.
3. FOR EXACT SIZE AND LOCATION OF ALL WALL OPENINGS, COORDINATE WITH ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS.
4. GALVANIZED SHELF ANGLES IN EXTERIOR WALLS.

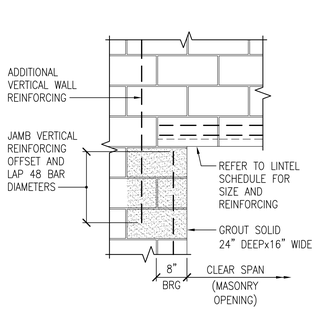
TYPICAL MASONRY SHELF ANGLE LINTEL DETAILS
NOT TO SCALE



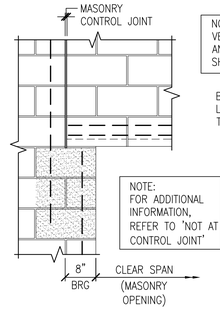
TYPE 'X'

BEAM BEARING PLATE SCHEDULE				
MARK	't'	'N'	'B'	TYPE
BP1	⅝"	7"	8"	X

TYPICAL BEAM BEARING PLATE DETAILS
NOT TO SCALE



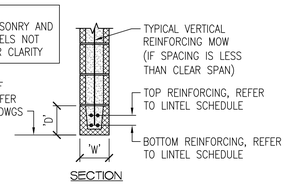
ELEVATION NOT AT CONTROL JOINT



ELEVATION AT CONTROL JOINT

NOTE: VENEER MASONRY AND ANGLE LINTELS NOT SHOWN FOR CLARITY

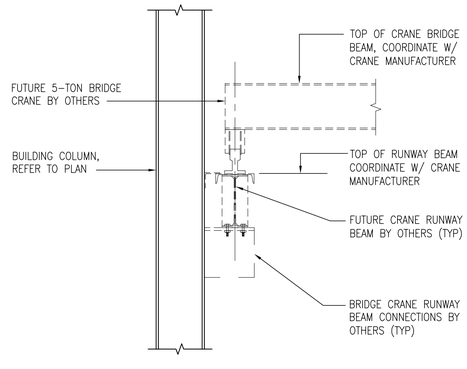
NOTE: FOR ADDITIONAL INFORMATION, REFER TO 'NOT AT CONTROL JOINT'



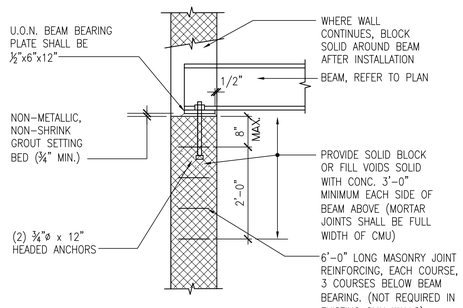
SECTION

BOND BEAM LINTEL SCHEDULE			
CLEAR SPAN	WIDTH 'W'	DEPTH 'D'	TOP & BOTTOM REINFORCING
0'-0" TO 6'-4"	MATCH WALL WIDTH	8"	(2) #5 BOTTOM
6'-4" TO 8'-0"	MATCH WALL WIDTH	16"	(2) #6 BOTTOM
8'-0" TO 12'-0"	MATCH WALL WIDTH	24"	(2) #6 BOTTOM
12'-0" TO 16'-0"	MATCH WALL WIDTH	32"	(2) #6 BOTTOM

TYPICAL BOND BEAM LINTEL DETAILS
NOT TO SCALE

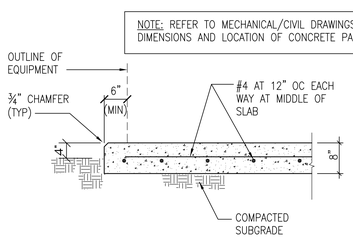


TYPICAL BRIDGE CRANE RUNWAY DETAIL
NOT TO SCALE



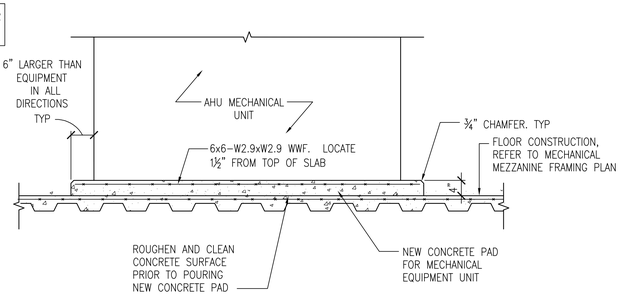
TYPICAL DETAIL SHOWING STEEL BEAM BEARING ON CMU
NOT TO SCALE

NOTE: REFER TO MECHANICAL/CIVIL DRAWINGS FOR DIMENSIONS AND LOCATION OF CONCRETE PAD.

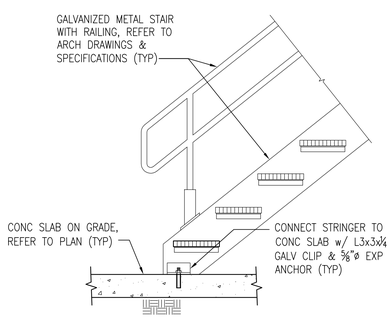


NOTE: GENERAL CONTRACTOR COORDINATE ANY REQUIRED ANCHORAGE EMBEDS NEEDED FOR THE EQUIPMENT PLACED ON THE PAD.

CHILLER / EQUIPMENT PAD ON GRADE DETAIL
NOT TO SCALE



HOUSEKEEPING EQUIPMENT PAD DETAIL
NOT TO SCALE



STAIR STRINGER TO SLAB CONNECTION DETAIL
NOT TO SCALE

MATERIALS KEYING LEGEND

GENERAL NOTES

KEY PLAN

SCO ID #22-25191-01A ; NCCCS #2675

NO	REVISION	DATE

SEAL: NORTH CAROLINA PROFESSIONAL 022830 2-15-2024 ENGINEER KEVIN M. ROONGRUANG

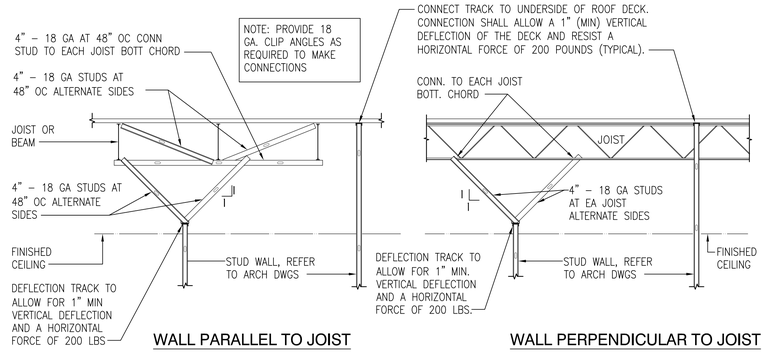
JKF ARCHITECTURE
625 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

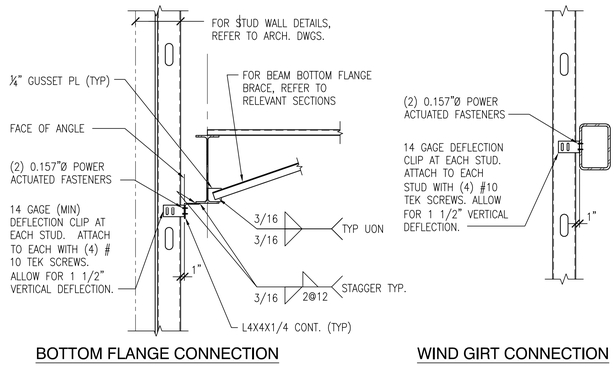
PITT COMMUNITY COLLEGE
NEW WELDING BUILDING
WINTERVILLE, NC

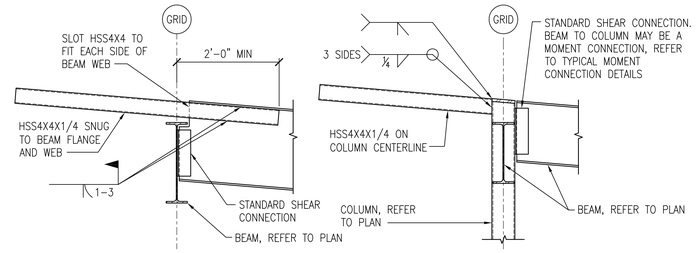
DRAWING TITLE: TYPICAL DETAILS

SCALE	DRAWING NO.
NONE	S5.2
DRAWN: JSS	
CHECKED: KMR	
DATE: 2-15-2024	
PROJECT NO.: 2022-07	

NRW ENGINEERING
Structural Consultants
748 Lord Dunmore Drive, Suite 101
Virginia Beach, VA 23464
Phone 757.474.0610
Fax 757.474.0616
NC license C-1369

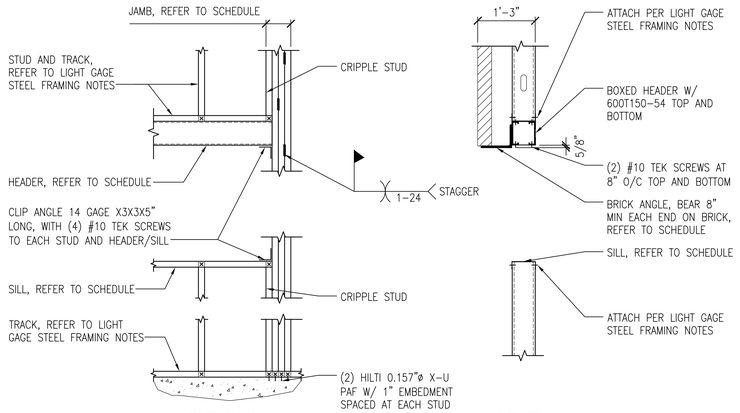






TYPICAL METAL STUD WALL BRACING DETAILS

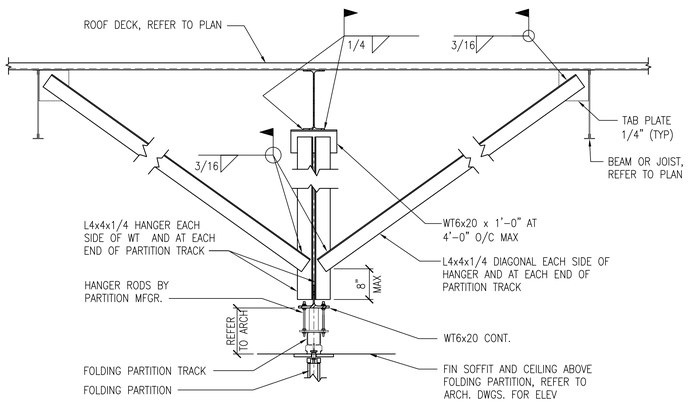
NOT TO SCALE



SCHEDULE		
MEMBER	CLEAR OPENING	
	0 TO 4'-0"	4'-1" TO 6'-8"
BOXED HEADER	600S162-54	600S162-54
SILL	600T150-54	600T150-68
JAMB	(2) 600S200-68	(3) 600S200-68
BRICK ANGLE	L7X4X3/8 (LLH)	L7X4X3/8 (LLH)

TYPICAL CFS DETAILS AT EXTERIOR WALL OPENINGS

NOT TO SCALE

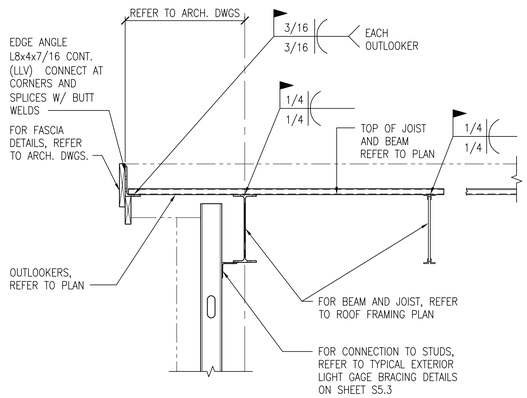


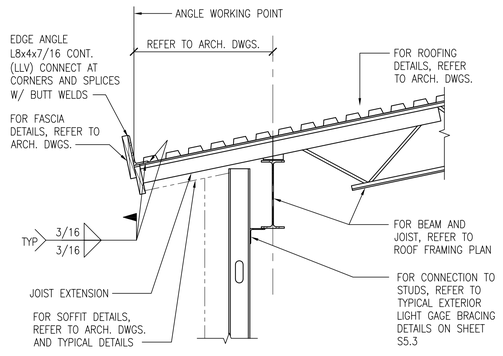
TYPICAL FOLDING PARTITION HANGER DETAIL

NOT TO SCALE

TYPICAL EXTERIOR LIGHT GAGE STUD BRACING DETAILS

NOT TO SCALE



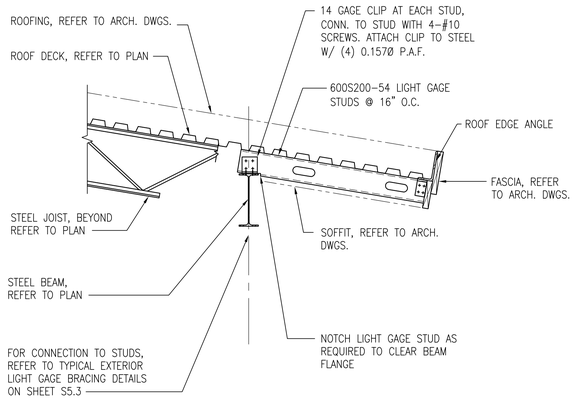


TYPICAL BEAM EXTENSION DETAILS

NOT TO SCALE

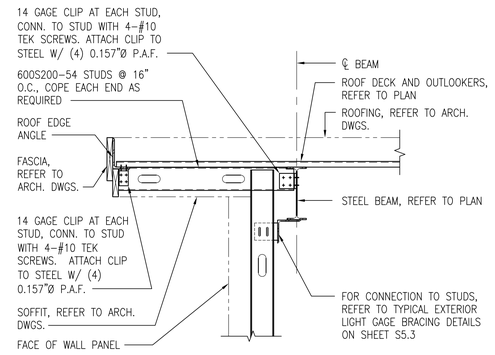
TYPICAL ROOF EDGE DETAILS

NOT TO SCALE



TYPICAL ROOF OVERHANG SOFFIT FRAMING AT LOW AND HIGH END DETAIL

NOT TO SCALE



TYPICAL ROOF OVERHANG SOFFIT FRAMING AT OULOOKERS DETAIL

NOT TO SCALE

MATERIALS KEYING LEGEND

GENERAL NOTES

KEY PLAN

SCO ID #22-25191-01A ; NCCCS #2675

NO	REVISION	DATE

SEAL

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 027530 2-15-2024 KEVIN M. ROONCRUNS

JKF ARCHITECTURE

625 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1048

PITT COMMUNITY COLLEGE
NEW WELDING BUILDING

WINTERVILLE, NC

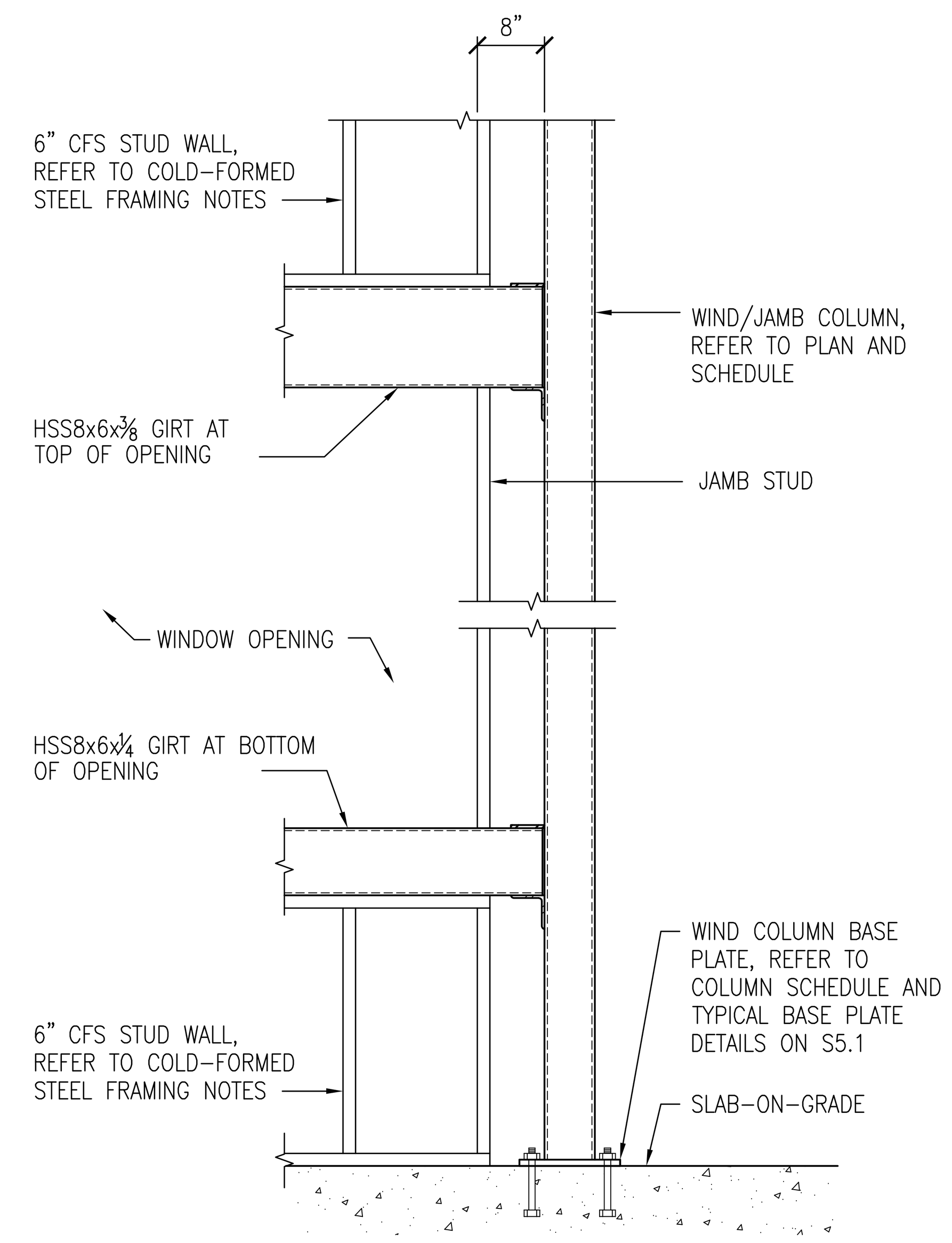
DRAWING TITLE

TYPICAL DETAILS

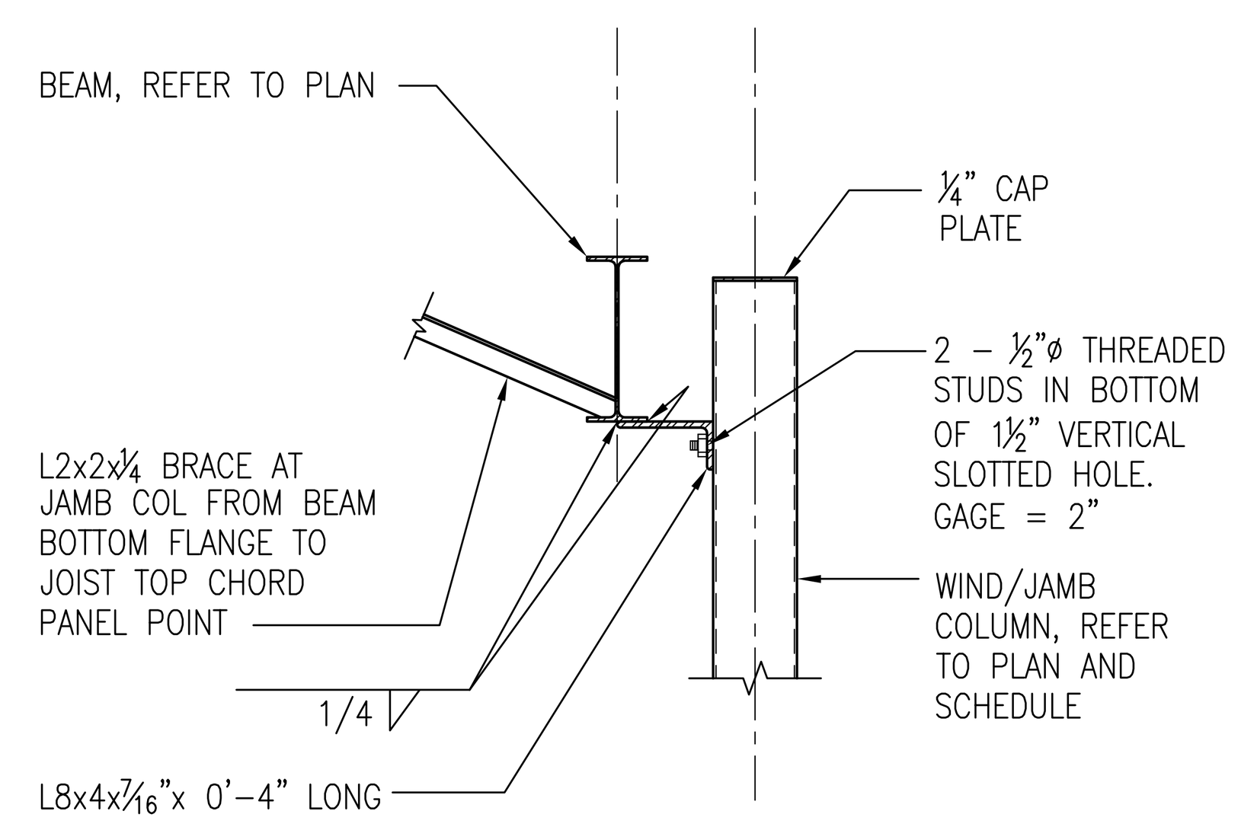
SCALE	NONE
DRAWN	JSS
CHECKED	KMR
DATE	2-15-2024
PROJECT NO.	2022-07

DRAWING NO. S5.3

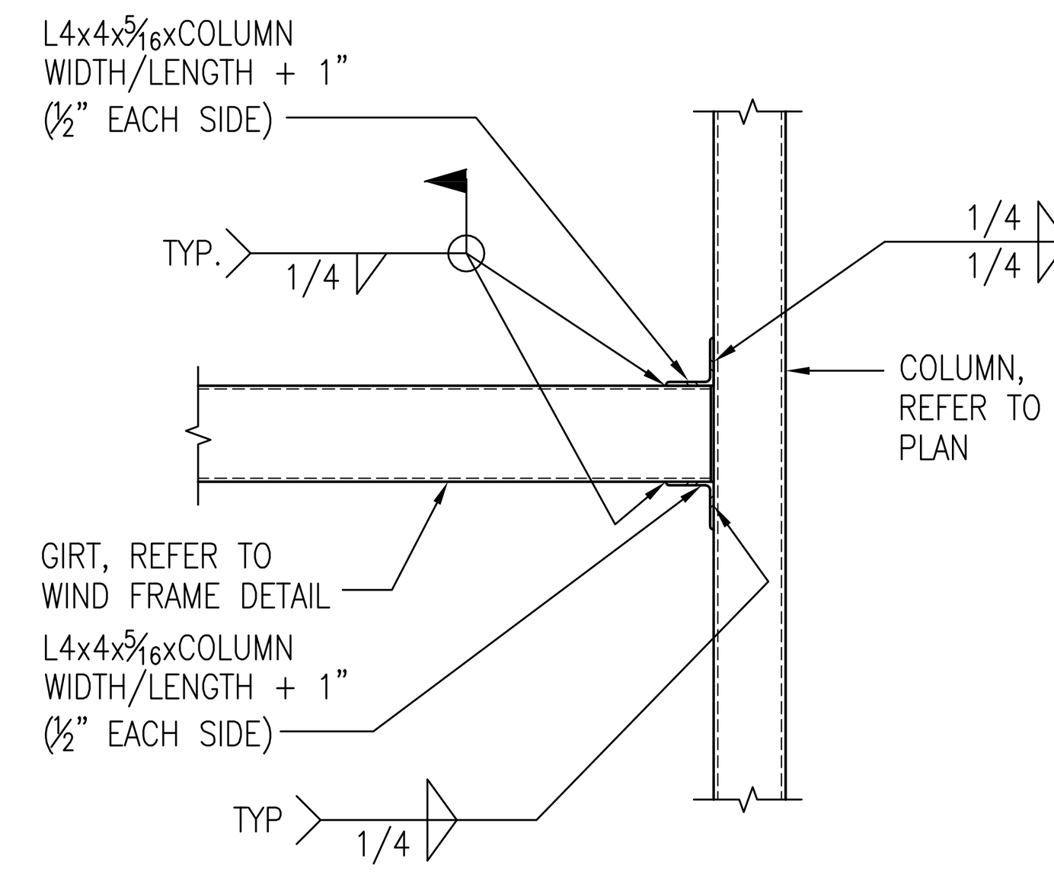
NRW ENGINEERING
Structural Consultants
748 Lord Dunmore Drive, Suite 101
Virginia Beach, VA 23464
Phone 757.474.0410
Fax 757.474.0419
NC license C-1283



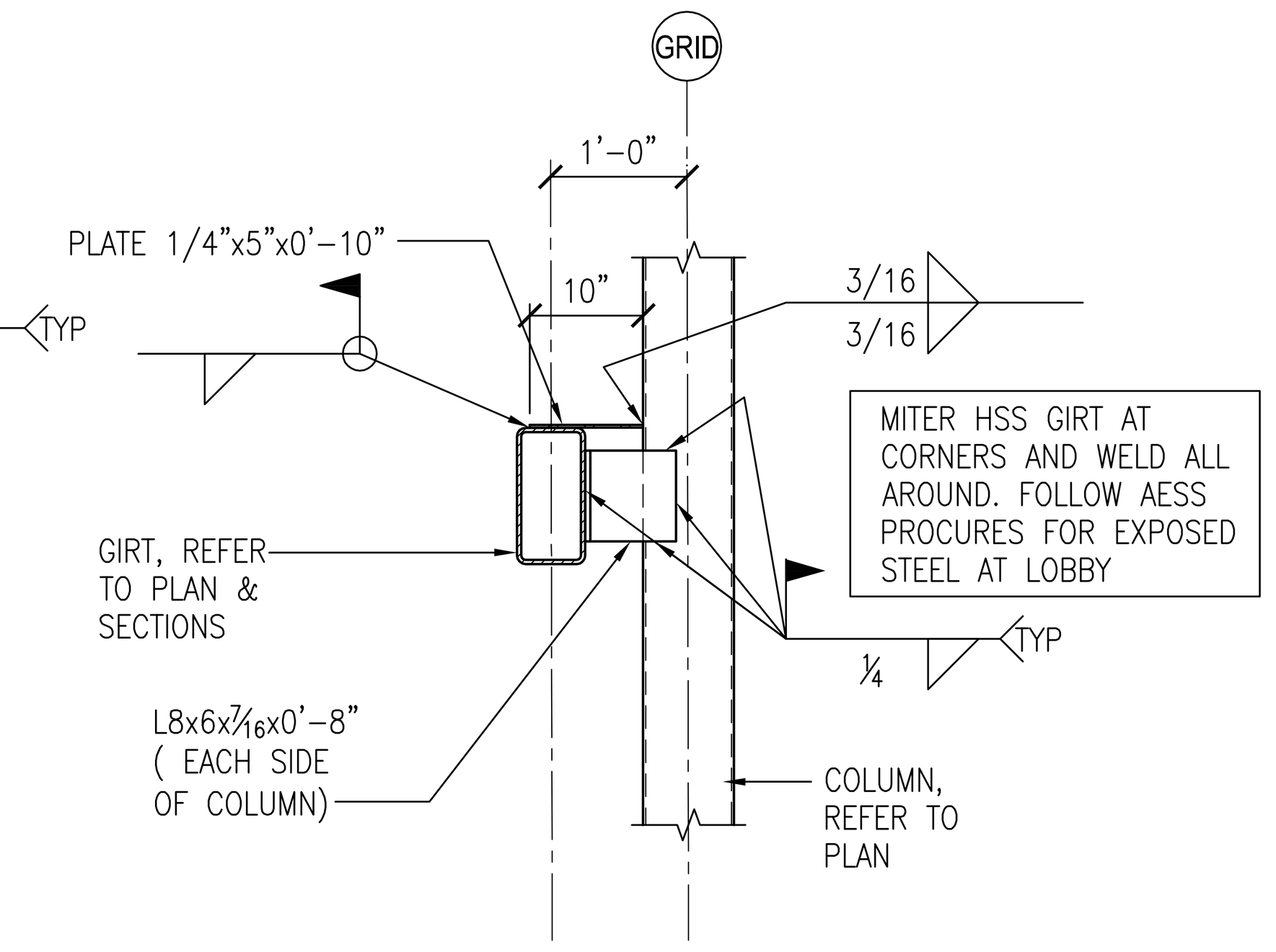
TYPICAL WIND FRAME DETAIL
NOT TO SCALE



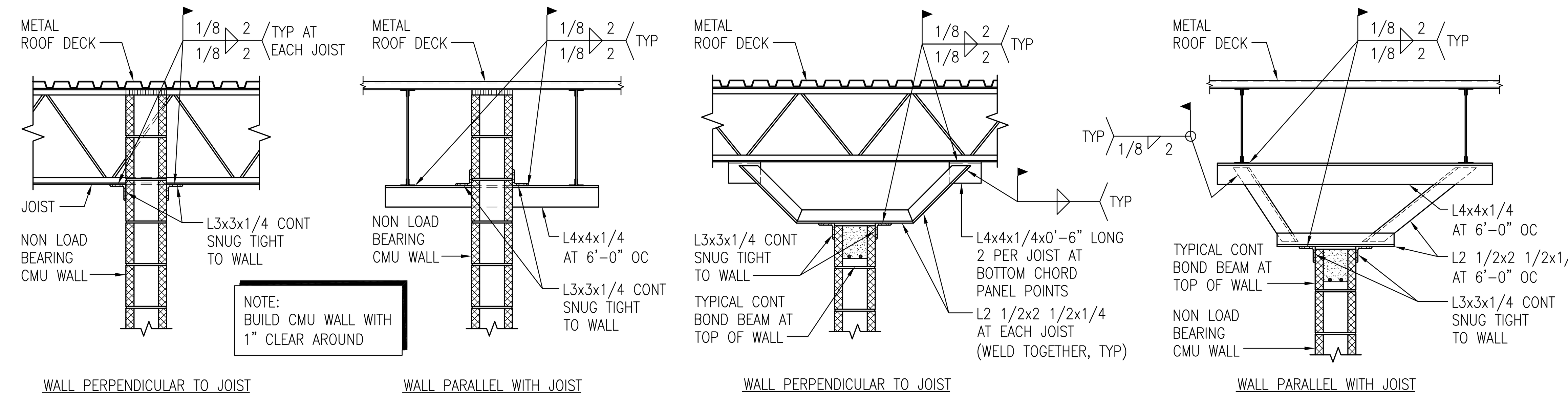
WIND/JAMB COLUMN CONNECTION TO BEAM DETAIL
NOT TO SCALE



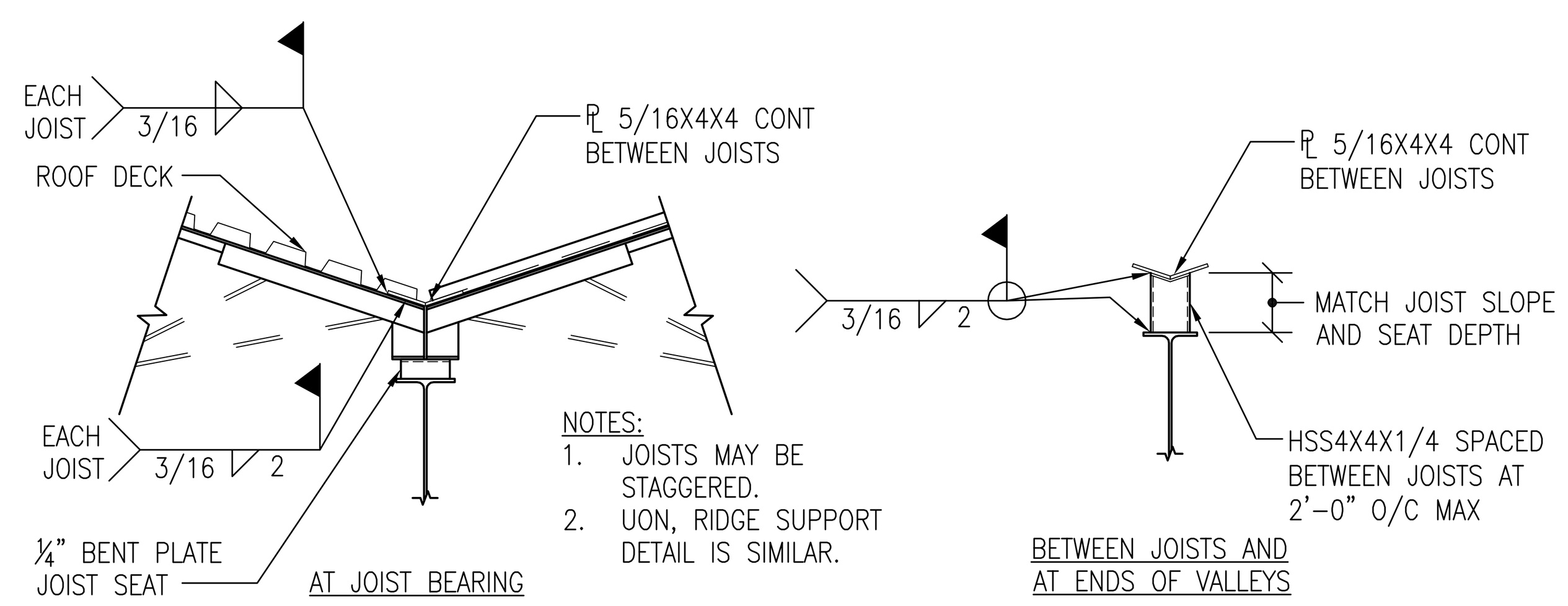
TYPICAL GIRT TO COLUMN CONNECTION
NOT TO SCALE



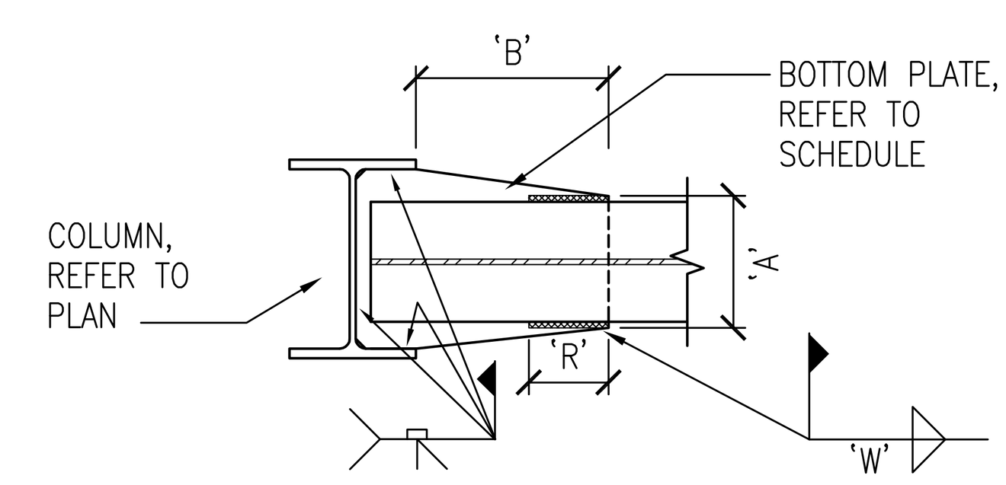
OFFSET GIRT TO COLUMN CONNECTION DETAIL
NOT TO SCALE



TYPICAL NON BEARING CMU WALL BRACING DETAILS
NOT TO SCALE

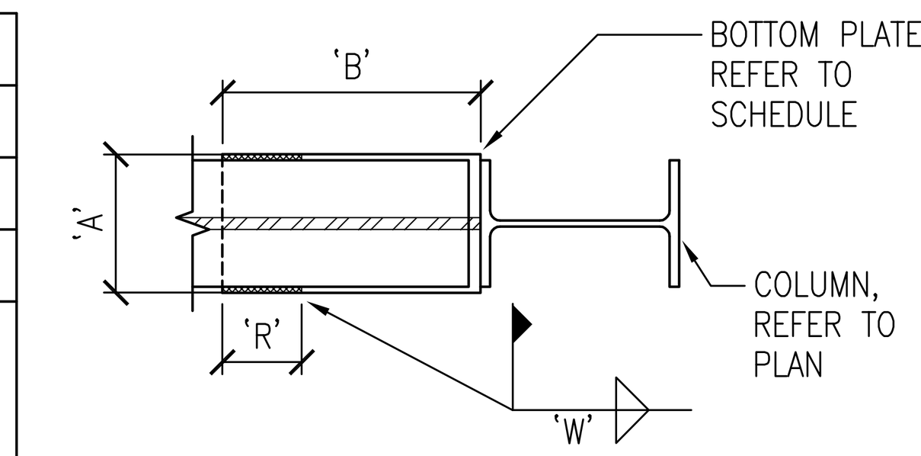


TYPICAL VALLEY SUPPORT DETAIL
NOT TO SCALE

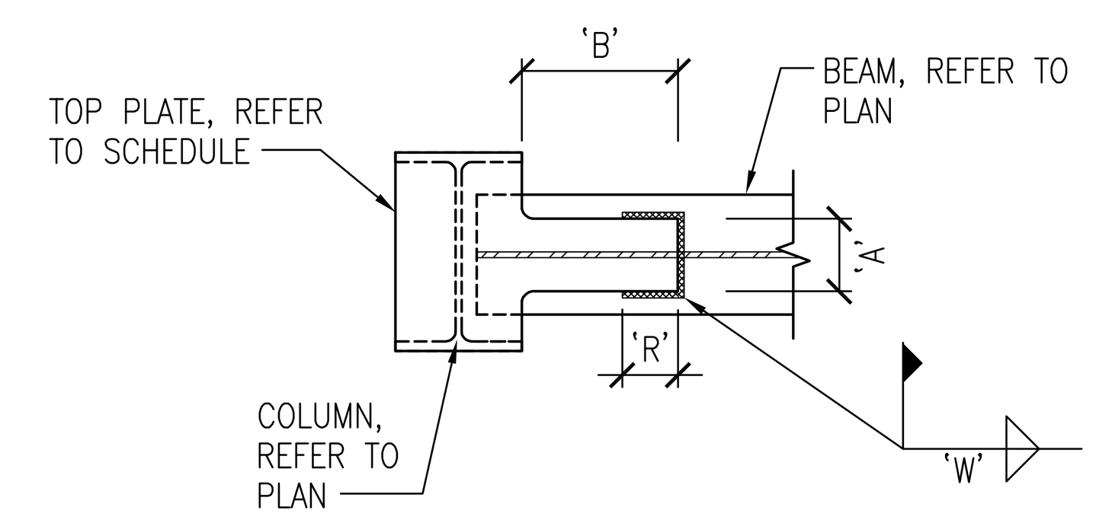


A PLATE DETAIL - BOTTOM PLATE

TOP PLATE DIMENSIONS (INCH)					
BEAM	'A'	'B'	THICKNESS	WELDS	
				'R'	'W'
W8x31	3 1⁄4	7 1⁄2	3⁄8	2	1⁄4
W10x33 W12x40 W12x45 W14x43 W18x40	5 1⁄2	12 1⁄4	1⁄2	4	1⁄4
ALL OTHERS	3 1⁄4	7	3⁄8	2	1⁄4

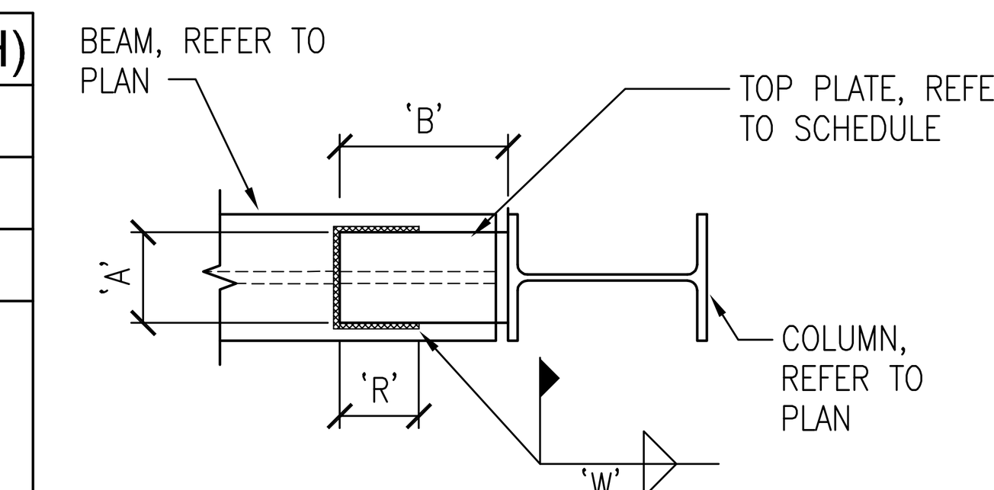


A PLATE DETAIL - BOTTOM PLATE

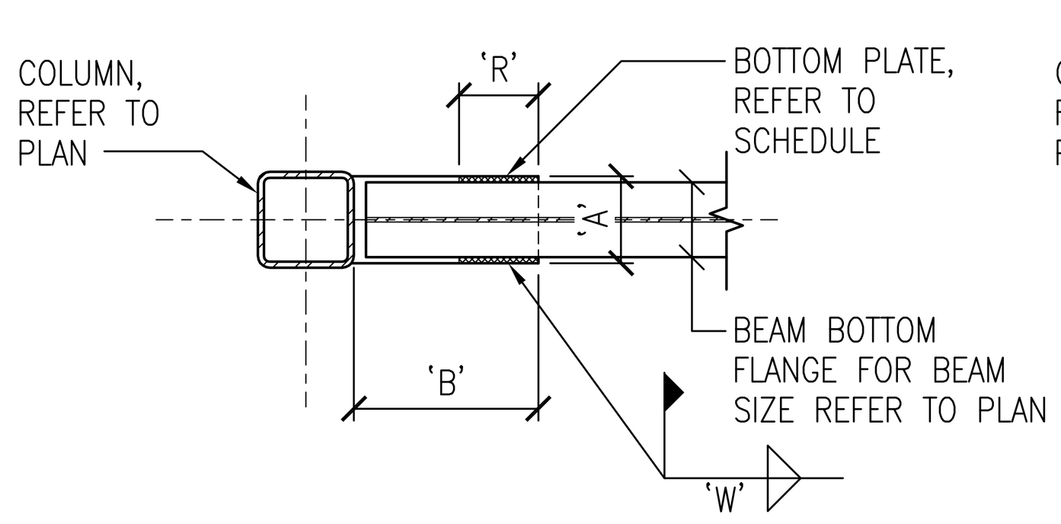


B PLATE DETAIL - TOP PLATE

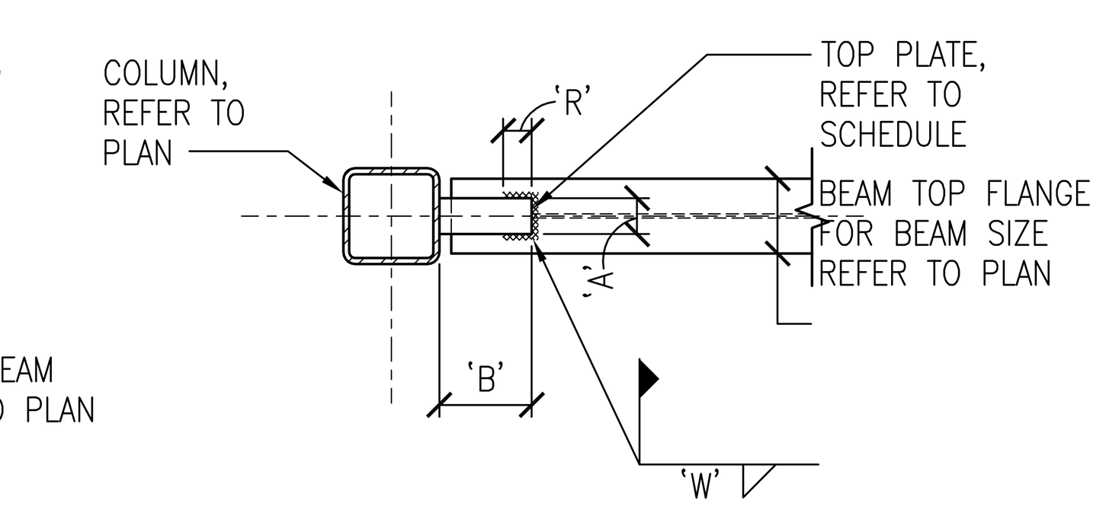
BOTTOM PLATE DIMENSIONS (INCH)					
BEAM	'A'	'B'	THICKNESS	WELDS	
				'R'	'W'
W8x31	8 3⁄4	20	3⁄8	6 1⁄2	5⁄16
W10x33 W12x40 W12x45 W14x43 W18x40	8 3⁄4	20 1⁄2	3⁄8	7	5⁄16
ALL OTHERS	7 1⁄4	17	3⁄8	6	5⁄16



B PLATE DETAIL - TOP PLATE



A PLATE DETAIL - BOTTOM PLATE



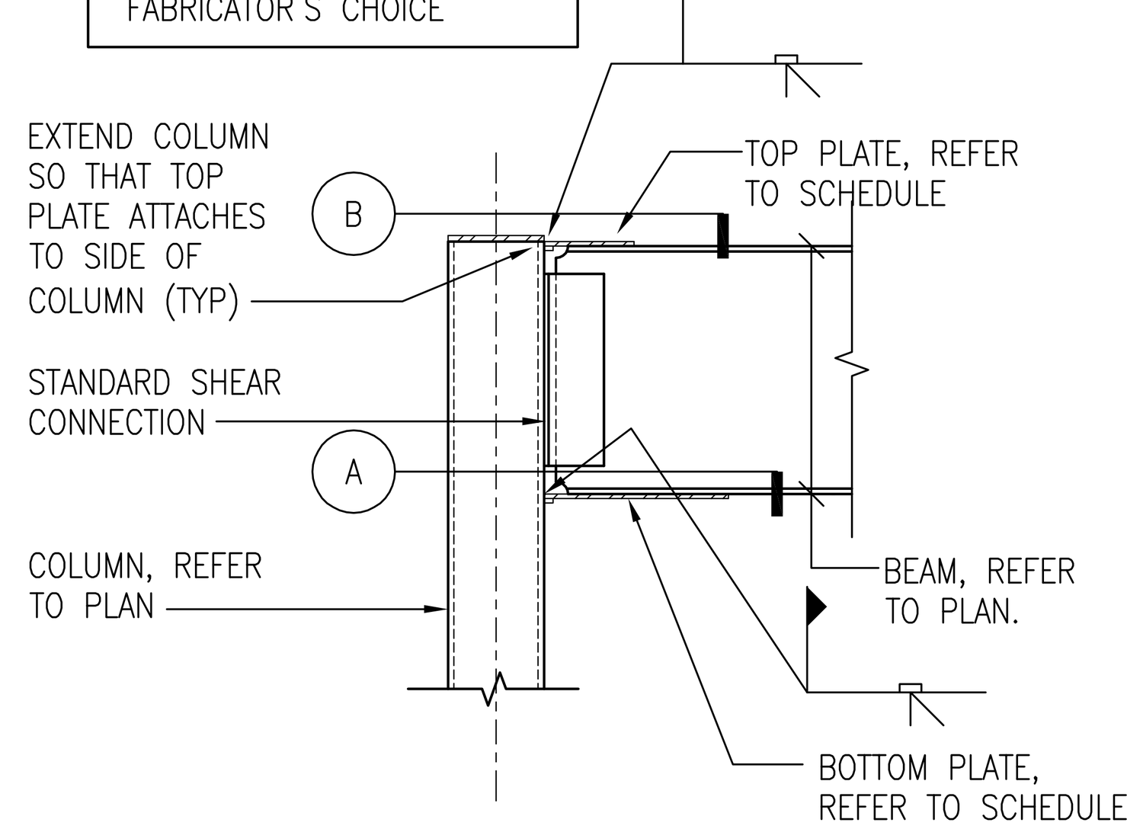
B PLATE DETAIL - TOP PLATE

BOTTOM PLATE DIMENSIONS (INCH)					
BEAM	'A'	'B'	THICKNESS	WELDS	
				'R'	'W'
W12X14	7 1⁄4	17	3⁄8	6	5⁄16
W18X40	8 3⁄4	20 1⁄2	3⁄8	7	5⁄16

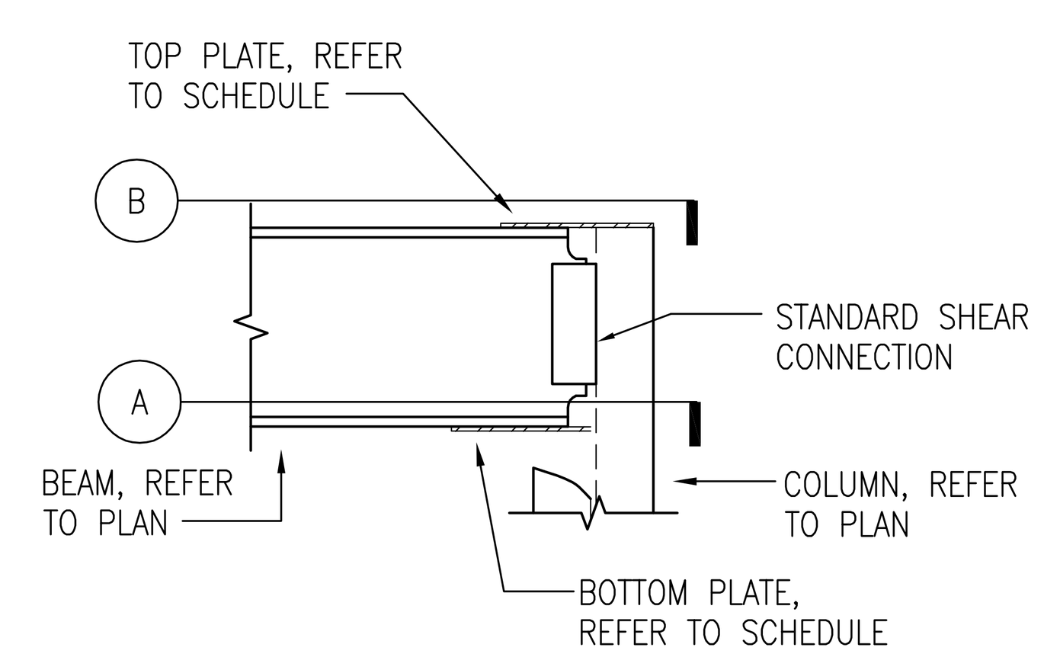
TOP PLATE DIMENSIONS (INCH)					
BEAM	'A'	'B'	THICKNESS	WELDS	
				'R'	'W'
W12X14	3 1⁄4	7	3⁄8	2	1⁄4
W18X40	5 1⁄2	12 1⁄4	1⁄2	4	1⁄4

HSS CONNECTIONS

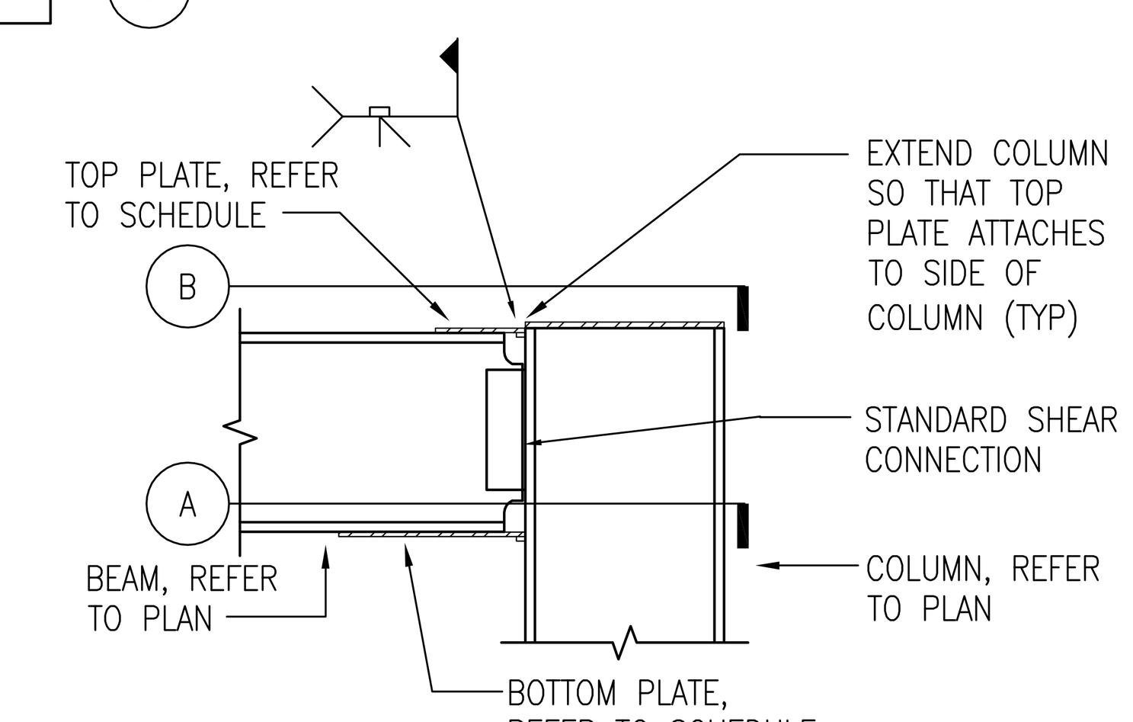
NOTE: FIELD WELDS SHOWN MAY BE SHOP WELDS PER FABRICATOR'S CHOICE



ELEVATION AT HORIZONTAL BEAM



COLUMN WEB SUPPORT



COLUMN FLANGE SUPPORT

WIDE FLANGE CONNECTIONS

TYPICAL MOMENT CONNECTION DETAILS
NOT TO SCALE

NRW ENGINEERING Structural Consultants

MATERIALS KEYING LEGEND

GENERAL NOTES

KEY PLAN

SCO ID #22-25191-01A ; NCCCS #2675

NO	REVISION	DATE

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 022830 2-15-2024 ENGINEER KEVIN M. ROOMSBURG

JKF ARCHITECTURE

625 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

PITT COMMUNITY COLLEGE
NEW WELDING BUILDING
WINTERVILLE, NC

DRAWING TITLE
TYPICAL DETAILS

SCALE	NONE
DRAWN	JSS
CHECKED	KMR
DATE	2-15-2024
PROJECT NO.	2022-07

DRAWING NO
S5.4