

CONSTRUCTION DOCUMENTS FOR

LENOIR COMMUNITY COLLEGE

NEW AVIATION CENTER FOR

EXCELLENCE

VOLUME 1

- C00 - TITLE SHEET
- BC1.1 - BUILDING CODE ANALYSIS, LEGENDS, SYMBOLS AND ABBREVIATIONS SURVEY BY MATRIX EAST, PLLC
- CIVIL
 - C0.0 - EXISTING CONDITIONS
 - C0.1 - DEMOLITION PLAN
 - C1.1 - GEOMETRIC PAVING AND MARKING LAYOUT
 - C1.2 - CONCRETE APRON AND TAXIWAY JOINT LAYOUT
 - C1.3 - UTILITY PLAN
 - C2.1 - GRADING PLAN
 - C3.1 - EROSION AND SEDIMENT CONTROL PLAN
 - C4.1 - GRADING AND DRAINAGE NOTES AND DETAILS
 - C5.1 - TYPICAL PAVEMENT SECTION NOTES AND DETAILS
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 - C5.3 - PAVEMENT MARKING NOTES AND DETAILS
 - C5.4 - FENCING AND GATE DETAILS
 - C5.5 - UTILITY DETAILS (SHEET 1 OF 3)
 - C5.6 - UTILITY DETAILS (SHEET 2 OF 3)
 - C5.7 - UTILITY DETAILS (SHEET 3 OF 3)
 - C5.8 - STORM PIPE PROFILES
 - C6.1 - EROSION AND SEDIMENT CONTROL NOTES (SHEET 1 OF 3)
 - C6.2 - EROSION AND SEDIMENT CONTROL NOTES (SHEET 2 OF 3)
 - C6.3 - EROSION AND SEDIMENT CONTROL NOTES (SHEET 3 OF 3)
 - C6.4 - EROSION AND SEDIMENT CONTROL DETAILS

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- A2.3 - BUILDING SECTIONS
- A2.4 - BUILDING SECTIONS
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- A6.5 - EXTERIOR DETAILS
- A7.1 - WALL TYPES, UL DETAILS
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- A8.2 - WINDOW SCHEDULE AND DETAILS
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- A9.1.1 - FIRST FLOOR PLAN WEST - ARCHITECTURAL FINISHES
- A9.1.2 - FIRST FLOOR PLAN EAST - ARCHITECTURAL FINISHES
- A9.2.1 - SECOND FLOOR PLAN WEST - ARCHITECTURAL FINISHES
- A9.2.2 - SECOND FLOOR PLAN EAST - ARCHITECTURAL FINISHES

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- S0.1 - GENERAL NOTES
- S0.2 - GENERAL NOTES AND ABBREVIATIONS
- S1.1 - FOUNDATION PLAN - WEST
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- S1.3.1 - ROOF FRAMING PLAN - WEST
- S1.3.2 - ROOF FRAMING PLAN - EAST
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- S3.2 - SECTIONS
- S3.3 - SECTIONS
- S3.4 - SECTIONS
- S3.5 - SECTIONS
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- S5.2 - TYPICAL DETAILS
- S5.3 - TYPICAL DETAILS
- S5.4 - TYPICAL DETAILS

KINSTON, NC

SCO ID# 22-253264-02A

JKF PROJECT NO. 2022-18

VOLUME 1

FEBRUARY 28, 2024

VOLUME 2

FIRE PROTECTION

- FP0.1 - FIRE PROTECTION NOTES, LEGENDS, AND DETAILS
- FP1.1 - FIRE PROTECTION FIRST FLOOR OVERALL PLAN
- FP1.1.1 - FIRE PROTECTION FIRST FLOOR PLAN - WEST
- FP1.1.2 - FIRE PROTECTION FIRST FLOOR PLAN - EAST
- FP1.2 - FIRE PROTECTION SECOND FLOOR OVERALL PLAN
- FP1.2.1 - FIRE PROTECTION SECOND FLOOR PLAN - WEST
- FP1.2.2 - FIRE PROTECTION SECOND FLOOR PLAN - EAST

PLUMBING

- P1.1 - PLUMBING FIRST FLOOR PLAN
- P1.1.1 - PLUMBING FIRST FLOOR PLAN - WEST
- P1.1.2 - PLUMBING FIRST FLOOR PLAN - EAST
- P1.2 - PLUMBING SECOND FLOOR PLAN
- P1.2.1 - PLUMBING SECOND FLOOR PLAN - WEST
- P1.2.2 - PLUMBING SECOND FLOOR PLAN - EAST
- P1.3 - PLUMBING ROOF PLAN
- P1.3.1 - PLUMBING ROOF PLAN - WEST
- P1.3.2 - PLUMBING ROOF PLAN - EAST
- P2.1 - PLUMBING ENLARGED PLANS
- P2.2 - PLUMBING ENLARGED PLANS
- P3.1 - WASTE PIPING RISER
- P3.2 - GAS PIPING RISER
- P3.3 - GAS PIPING RISER
- PA.1 - PLUMBING FIXTURE SCHEDULE
- PA.2 - PLUMBING FIXTURE SCHEDULE AND DETAILS
- PA.3 - PLUMBING NOTES, LEGEND, LOAD AND DETAILS

MECHANICAL

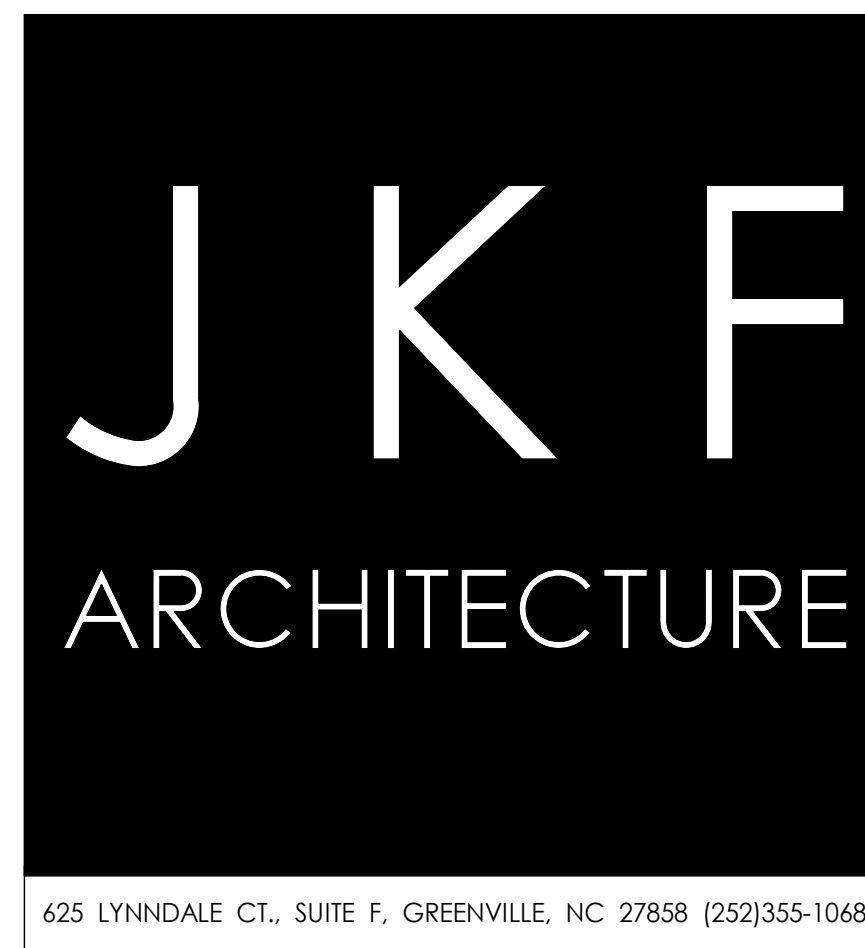
- M0.0 - MECHANICAL NOTES AND LEGEND
- M1.1 - OVERALL FIRST FLOOR MECHANICAL PLAN
- M1.1.1 - MECHANICAL FIRST FLOOR PLAN - WEST
- M1.1.2 - MECHANICAL FIRST FLOOR PLAN - EAST
- M1.2 - OVERALL SECOND FLOOR MECHANICAL PLAN
- M1.2.1 - MECHANICAL SECOND FLOOR PLAN - WEST
- M1.2.2 - MECHANICAL SECOND FLOOR PLAN - EAST
- M1.3 - MECHANICAL ROOF PLAN
- M2.1.1 - MECHANICAL FIRST FLOOR PIPING PLAN - WEST
- M2.1.2 - MECHANICAL FIRST FLOOR PIPING PLAN - EAST
- M2.2.1 - MECHANICAL SECOND FLOOR PIPING PLAN - WEST
- M2.2.2 - MECHANICAL SECOND FLOOR PIPING PLAN - EAST
- MS.1 - MECHANICAL SCHEDULES
- MS.2 - VENTILATION SUMMARY
- MA.1 - PIPING SCHEMATICS
- ME.1 - MECHANICAL DETAILS
- ME.2 - MECHANICAL DETAILS
- ME.1 - CONTROLS DETAILS

ELECTRICAL

- E0.0 - LEGEND, NOTES, AND DETAILS
- E1.0 - OVERALL ELECTRICAL PLAN
- E1.1 - FIRST FLOOR PLAN
- E1.1.1 - FIRST FLOOR LIGHTING PLAN - WEST
- E1.1.2 - FIRST FLOOR LIGHTING PLAN - EAST
- E1.2 - SECOND FLOOR PLAN
- E1.2.1 - SECOND FLOOR LIGHTING PLAN - WEST
- E1.2.2 - SECOND FLOOR LIGHTING PLAN - EAST
- E2.1 - FIRST FLOOR POWER PLAN - WEST
- E2.2 - FIRST FLOOR POWER PLAN - EAST
- E2.2.1 - SECOND FLOOR POWER PLAN - WEST
- E2.2.2 - SECOND FLOOR POWER PLAN - EAST
- E3.1.1 - FIRST FLOOR HVAC POWER PLAN - WEST
- E3.1.2 - FIRST FLOOR HVAC POWER PLAN - EAST
- E3.2.1 - SECOND FLOOR HVAC POWER PLAN - WEST
- E3.2.2 - SECOND FLOOR HVAC POWER PLAN - EAST
- E4.1 - POWER RISER, COMMUNICATION RISER, SECURITY RISER
- E4.2 - PANEL SCHEDULES
- E4.3 - PANEL SCHEDULES
- E5.1 - LIGHT FIXTURE SCHEDULE LIGHTING CONNECTIVITY DETAILS
- E5.2 - ELECTRICAL DETAILS
- E5.3 - ELECTRICAL DETAILS

FIRE ALARM

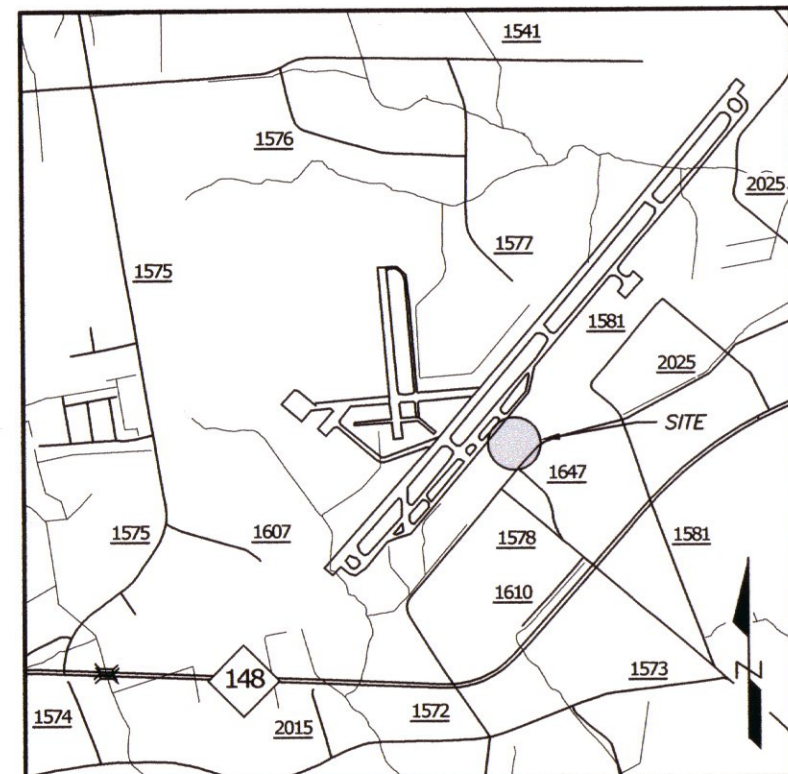
- FA0.0 - FIRE ALARM RISER, LEGEND, NOTES, AND DETAILS
- FA1.0 - OVERALL FIRE ALARM PLAN
- FA1.1 - FIRST FLOOR PLAN
- FA1.1.1 - FIRST FLOOR FIRE ALARM PLAN - WEST
- FA1.1.2 - FIRST FLOOR FIRE ALARM PLAN - EAST
- FA1.2 - SECOND FLOOR PLAN
- FA1.2.1 - SECOND FLOOR FIRE ALARM PLAN - WEST
- FA1.2.2 - SECOND FLOOR FIRE ALARM PLAN - EAST



NESER & ROOMSBURG, PA
STRUCTURAL ENGINEERS
748 LORD DUNMORE DRIVE, STE. 101
VIRGINIA BEACH, VA 23464
757-474-0612

AVCON, Inc
AVIATION CONSULTANT
6230 CAROLINA BEACH ROAD
WILMINGTON, NC 28412
910-685-7113

ATLANTEC ENGINEERS, PA
MECHANICAL & ELECTRICAL ENGINEERS
3221 BLUE RIDGE ROAD, SUITE 113
RALEIGH, NC 27612
919-571-1111



VICINITY MAP
(NOT TO SCALE)

THE FOLLOWING INFORMATION WAS USED TO PERFORM THIS GNSS SURVEY:

CLASS OF SURVEY: A
POSITIONAL ACCURACY: 0.10'
TYPE OF GPS FIELD PROCEDURE: RTK
DATES OF SURVEY: 01/04/2023 - 02/09/2023
DATUM / EPOCH: NAD 83(2011)
PUBLISHED / FIXED CONTROL USED: NGS MONUMENT "SD A"
GEOID MODEL: GEOID12
COMBINED GRID FACTOR: 0.99987474
UNITS: U.S. SURVEY FEET

- NOTES:
1. COMBINED FACTOR IS 0.99987474.
 2. ELEVATIONS ARE RELATIVE TO NAVD 88.
 3. COORDINATES SHOWN ARE GROUND COORDINATES BASED ON SCALING FROM NAD 83 TO A 1988.
 4. ALL DISTANCES ARE HORIZONTAL GROUND MEASUREMENTS IN FEET AND DECIMALS THEREOF, UNLESS OTHERWISE NOTED.
 5. UNDERGROUND WATER AND GAS LINES SHOWN HEREON WERE MARKED BY OTHERS.
 6. THE MANHOLE ON THE NORTHEAST SIDE OF THE FENCED-IN RESTRICTED ACCESS AREA WAS HOLDING WATER AT THE TIME OF THIS SURVEY. WE WERE UNABLE TO DETERMINE IF THERE ARE MORE PIPES IN THIS MANHOLE.

I, JAMES R. WATSON, CERTIFY THAT THIS PROJECT WAS COMPLETED UNDER MY DIRECT AND RESPONSIBLE CHARGE FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION; THAT THIS GROUND SURVEY WAS PERFORMED AT THE 95 PERCENT CONFIDENCE LEVEL (2 SIGMA) TO MEET FEDERAL GEOGRAPHIC DATA COMMITTEE STANDARDS; THAT THIS SURVEY WAS PERFORMED TO MEET THE REQUIREMENTS FOR A TOPOGRAPHIC/PLANNING SURVEY TO THE ACCURACY OF CLASS AA AND VERTICAL ACCURACY WHEN APPLICABLE TO THE CLASS A STANDARD, AND THAT THE ORIGINAL DATA WAS OBTAINED ON 01/04/2023; THAT THE SURVEY WAS COMPLETED ON 02/09/2023; AND ALL COORDINATES ARE BASED ON NAD 83(2011); AND ALL ELEVATIONS ARE BASED ON NAVD 88.

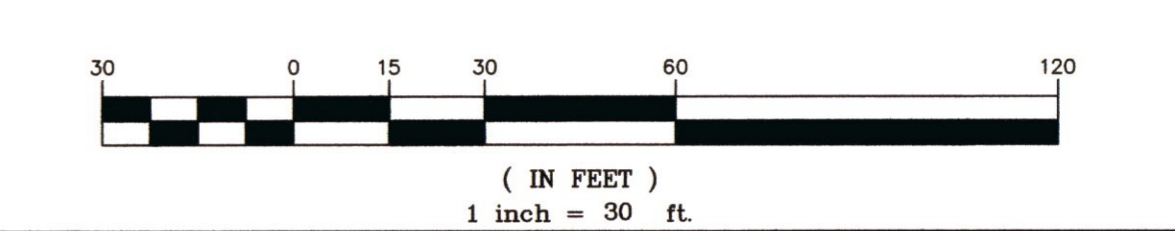
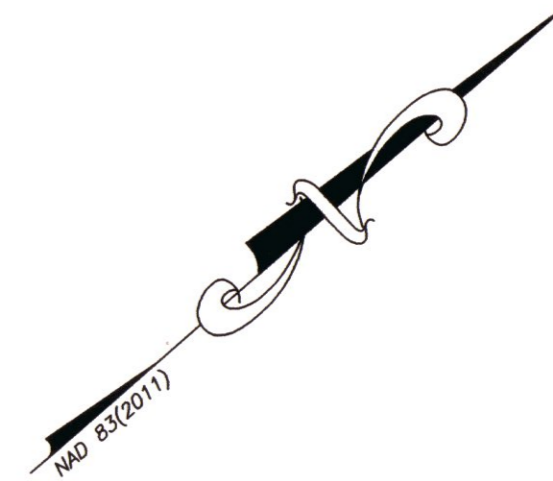
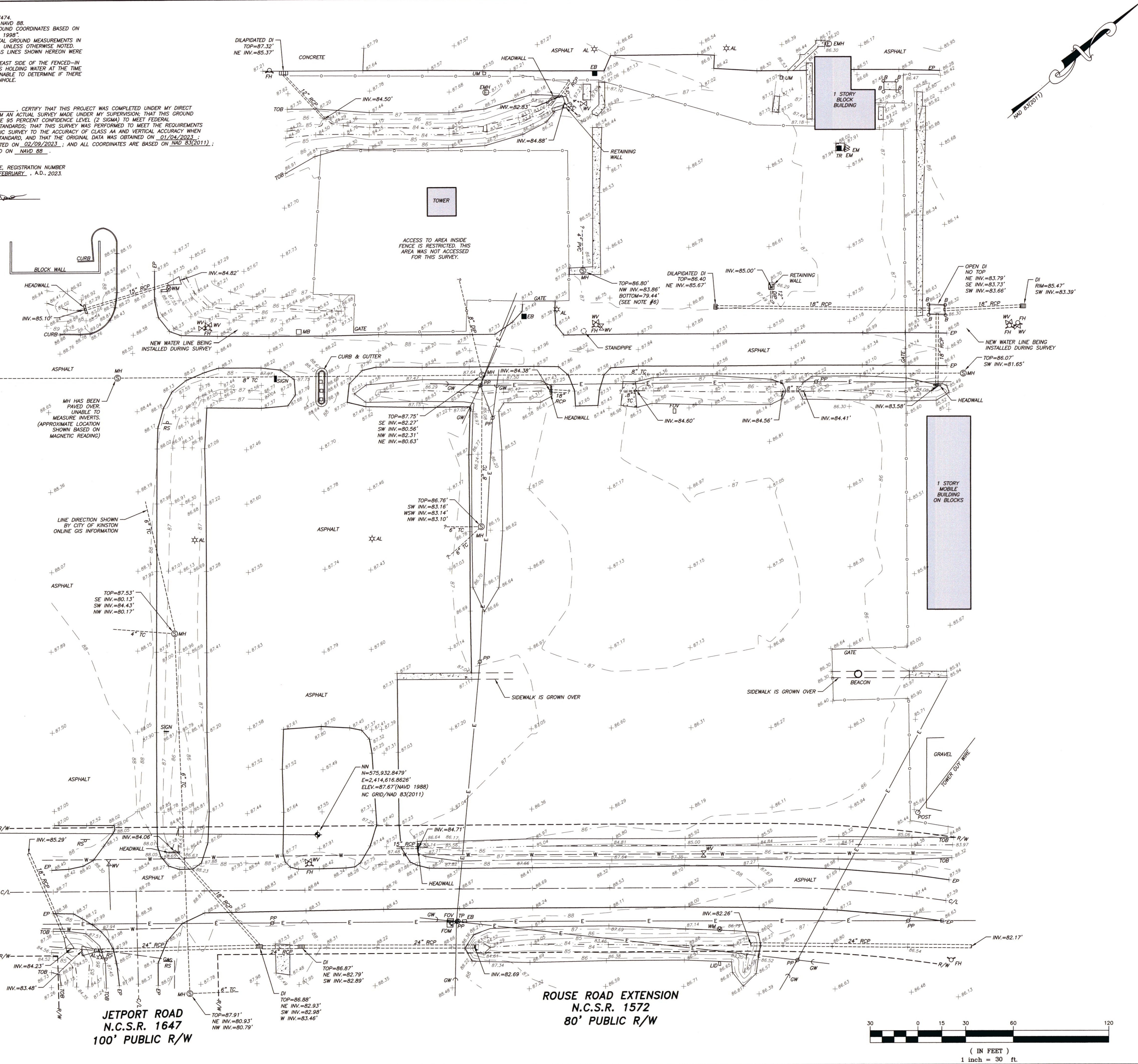
WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER AND SEAL THIS 8TH DAY OF FEBRUARY, A.D., 2023.

James R. Watson
L-4712



LEGEND

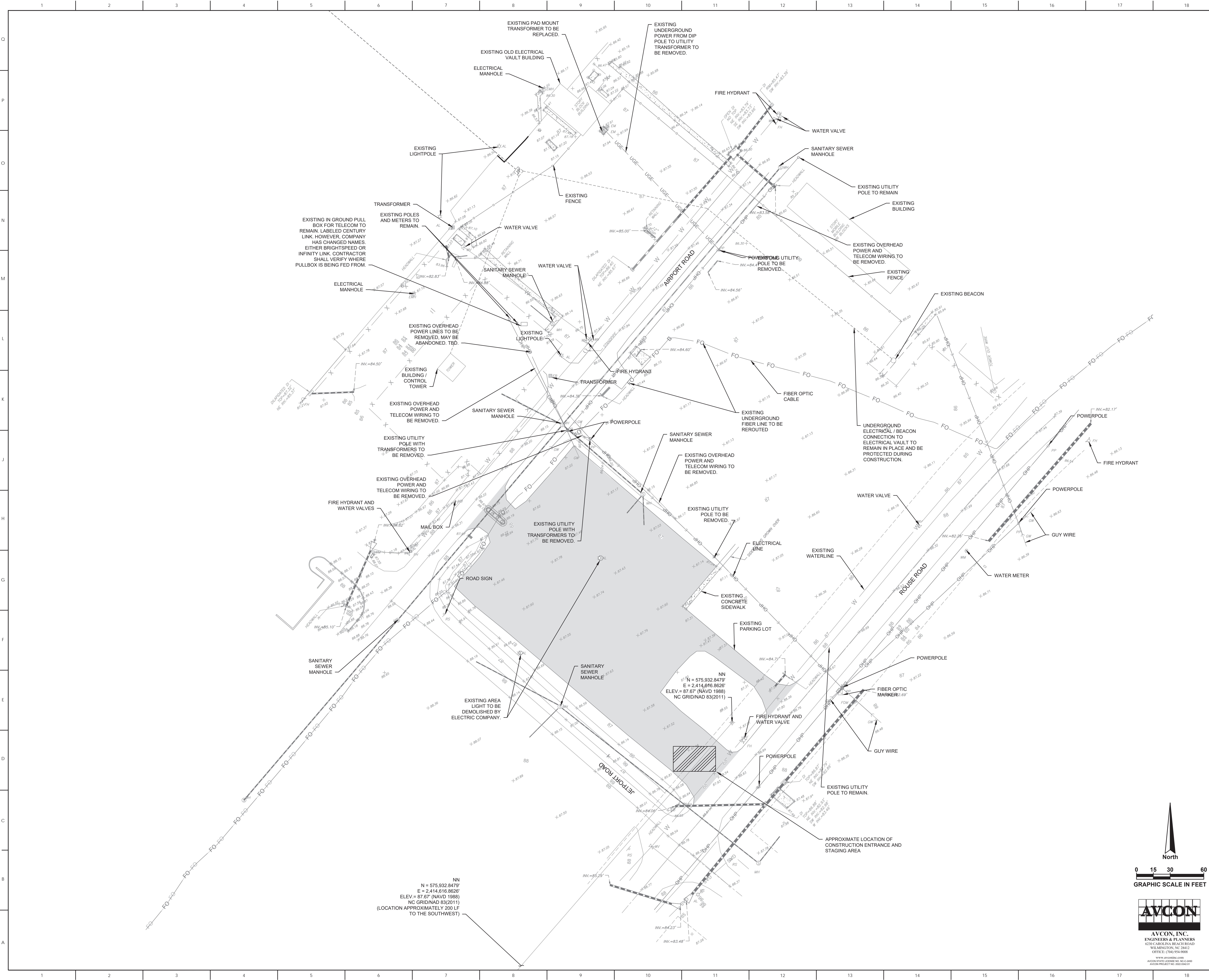
- R/W = RIGHT OF WAY
- C/L = CENTERLINE
- NN = NEW NAIL
- INV = INVERT
- DI = DRAIN
- TC = TERRA COTTA PIPE
- RCP = REINFORCED CONCRETE PIPE
- PVC = PVC PIPE
- TOB = TOP OF BANK
- EP = EDGE OF PAVEMENT
- MB = MAIL BOX
- RS = ROAD SIGN
- B = BOLLARD
- EB = ELECTRIC BOY
- TR = ELECTRIC TRANSFORMER
- EM = ELECTRIC METER
- PP = POWER POLE
- GW = GUY WIRE
- EMH = ELECTRIC MANHOLE
- AL = AREA LIGHT
- TP = TELEPHONE PEDESTAL
- MH = MANHOLE
- UM = UTILITY MARKER
- WM = WATER METER
- WV = WATER VALVE
- FH = FIRE HYDRANT
- FOV = FIBER OPTIC VALVE
- FOM = FIBER OPTIC MARKER
- CP = CONTROL POINT (BENCHMARK)
- MWL = MARKED WATER LINE
- MGL = MARKED GAS LINE
- OUL = OVERHEAD UTILITY LINE
- CLL = CHAIN-LINK FENCE
- LN = LINE NOT TO SCALE
- CON = CONCRETE



TOPOGRAPHIC SURVEY
**LENOIR COMMUNITY COLLEGE
NEW AVIATION CENTER
KINSTON, NC**
NC GLOBAL TRANSPARK, KINSTON, NC



906 N. QUEEN ST., SUITE A
KINSTON, NC 28501
TEL: 252-522-2500
FAX: 252-522-4747
FIRM LIC. # P-0221
EMAIL: surveyor@matrixeast.net



MATERIALS KEYING LEGEND

GENERAL NOTES

- EXISTING TOPOGRAPHIC SURVEY FROM MATRIX EAST DATED FEBRUARY 2023
- EXISTING UTILITIES SHOWN ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED BY CONTRACTOR
- THE PROJECT SITE IS NOT LOCATED IN ANY SPECIAL FLOOD HAZARD AREAS OR FUTURE CONDITIONS FLOOD HAZARD AREAS, AS SHOWN ON FIRM MAP NUMBER 37045 FROM DATED 4/16/2013.

KEY PLAN

SCO ID # 22-25364-02A

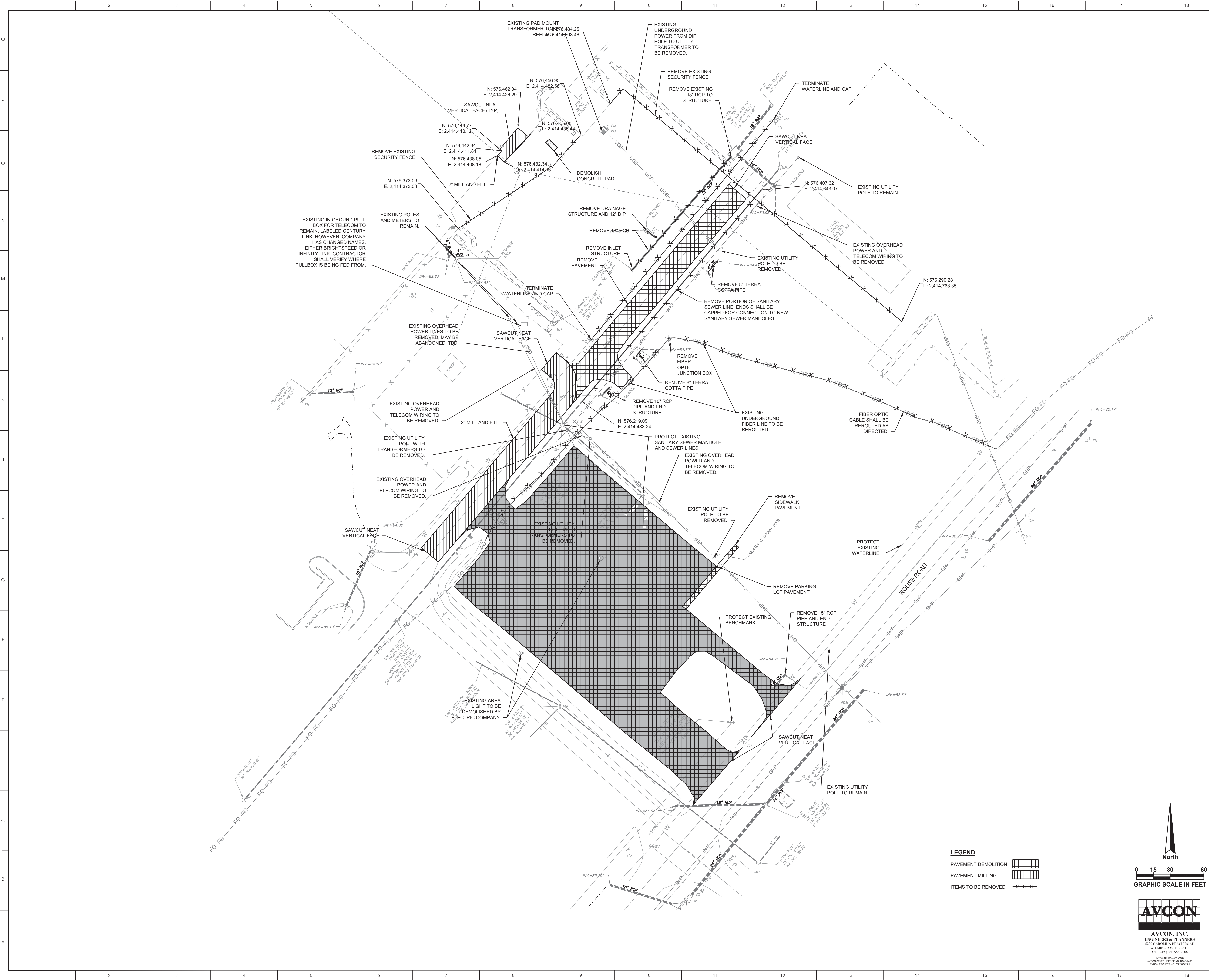
NO	REVISION	DATE



LENOIR COMMUNITY COLLEGE
NEW AVIATION CENTER FOR EXCELLENCE
KINSTON, NC

EXISTING CONDITIONS

SCALE	1" = 30'-0"	DRAWING NO.	
DRAWN	AMT		
CHECKED	GMW		
DATE	2-28-2024		
PROJECT NO.	2022-18		



MATERIALS KEYING LEGEND

Symbol	Description
[Hatched Pattern]	PAVEMENT DEMOLITION
[Vertical Line Pattern]	PAVEMENT MILLING
[Crossed Pattern]	ITEMS TO BE REMOVED

- GENERAL NOTES
- EXISTING TOPOGRAPHIC SURVEY FROM MATRIX EAST DATED FEBRUARY 2023
 - EXISTING UTILITIES SHOWN ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED BY CONTRACTOR.
 - SEE SHEET C1.3 FOR ADDITIONAL UTILITY INFORMATION.

KEY PLAN



SCO ID # 22-25364-02A

NO	REVISION	DATE

NO REVISION DATE

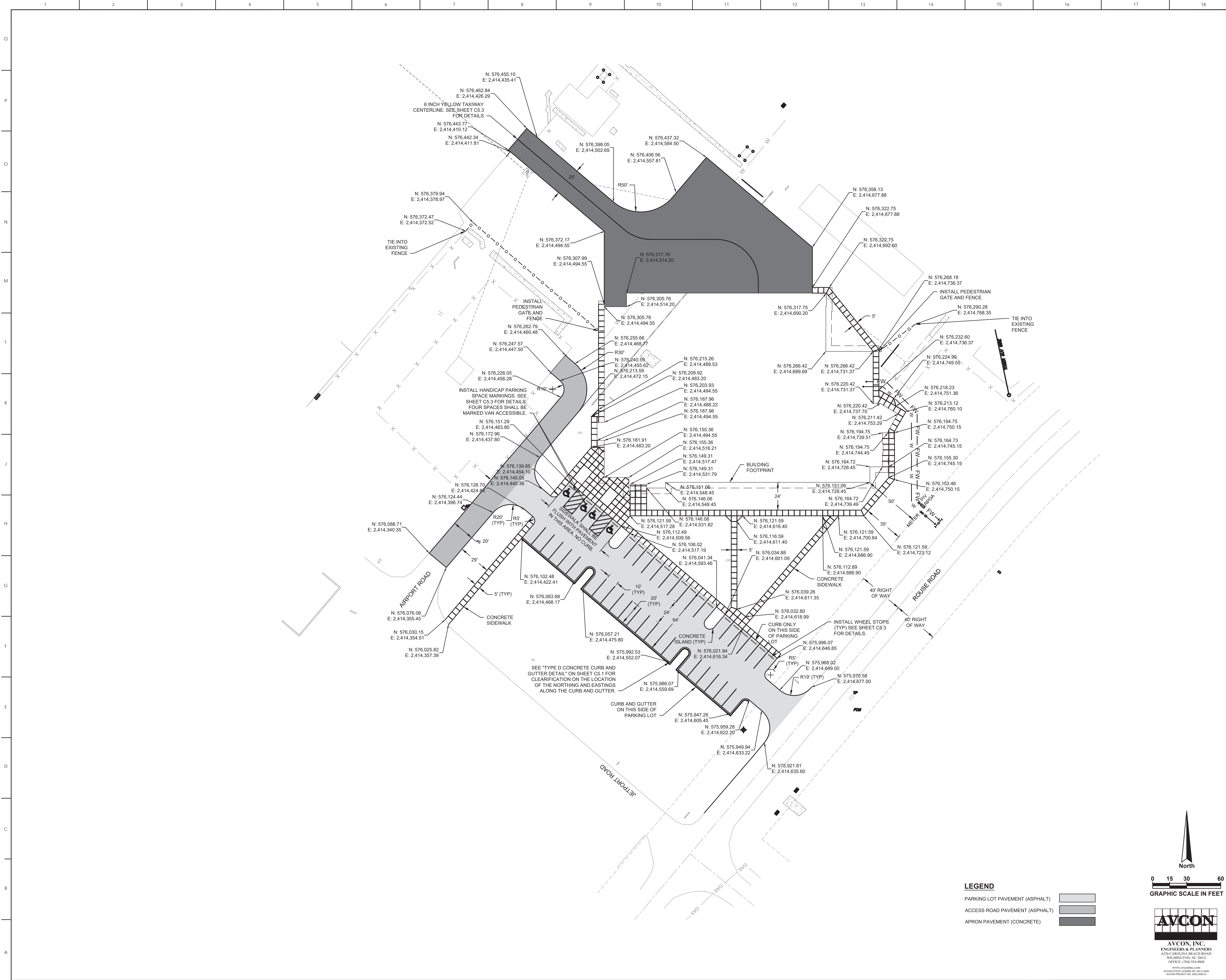
JKF
ARCHITECTURE

625 LYNDALE CT., SUITE F, GREENVILLE, NC 27639 252.355.1048

LENOIR COMMUNITY COLLEGE
NEW AVIATION CENTER FOR EXCELLENCE
KINSTON, NC

DEMOLITION PLAN

SCALE	1" = 30'-0"	DRAWING NO.	C0.1
DRAWN	AMT		
CHECKED	GMW		
DATE	2-28-2024		
PROJECT NO.	2022-18		



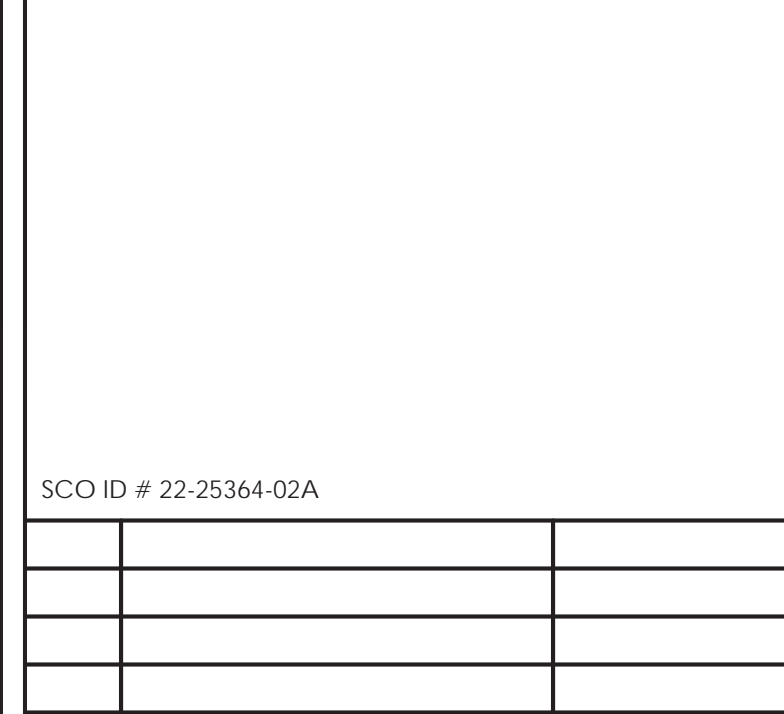
MATERIALS KEYING LEGEND

NO	REVISION	DATE

GENERAL NOTES

- EXISTING TOPOGRAPHIC SURVEY FROM MATRIX EAST DATED FEBRUARY 2023.
- EXISTING UTILITIES SHOWN ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED BY CONTRACTOR.
- PAVING SPOTS ON ASPHALT AND CONCRETE WILL BE PROVIDED IN DIGITAL FORMAT TO CONTRACTOR ONCE PROJECT IS AWARDED.
- SEE SHEET C1.2 FOR CONCRETE APRON AND TAXIWAY JOINT LAYOUT.
- SEE SHEET C5.1 FOR TYPICAL PAVEMENT SECTION NOTES AND DETAILS.
- SEE SHEET C5.2 FOR CONCRETE APRON AND TAXIWAY PAVEMENT NOTES AND DETAILS.
- SEE SHEET C5.3 FOR PAVEMENT MARKING NOTES AND DETAILS.
- REFERENCE IS DIRECTED TO THE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION REGARDING THE BUILDING.

KEY PLAN



SCO ID # 22-25364-02A



LENOR COMMUNITY COLLEGE
NEW AVIATION CENTER FOR EXCELLENCE
 KINSTON, NC

GRAPHIC TITLE: **GEOMETRIC, PAVING AND MARKING LAYOUT**

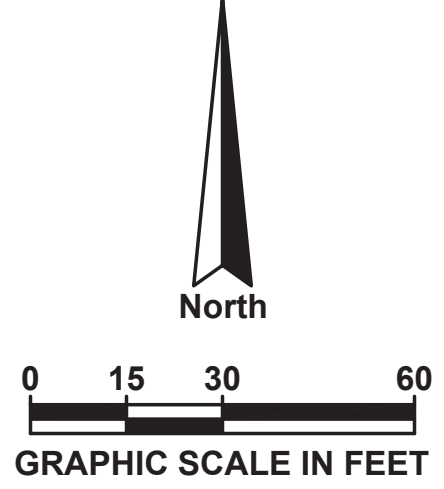
SCALE: 1" = 30'-0"

DRAWN:	AMT	C1.1
CHECKED:	GMW	
DATE:	2-28-2024	
PROJECT NO:	2022-18	

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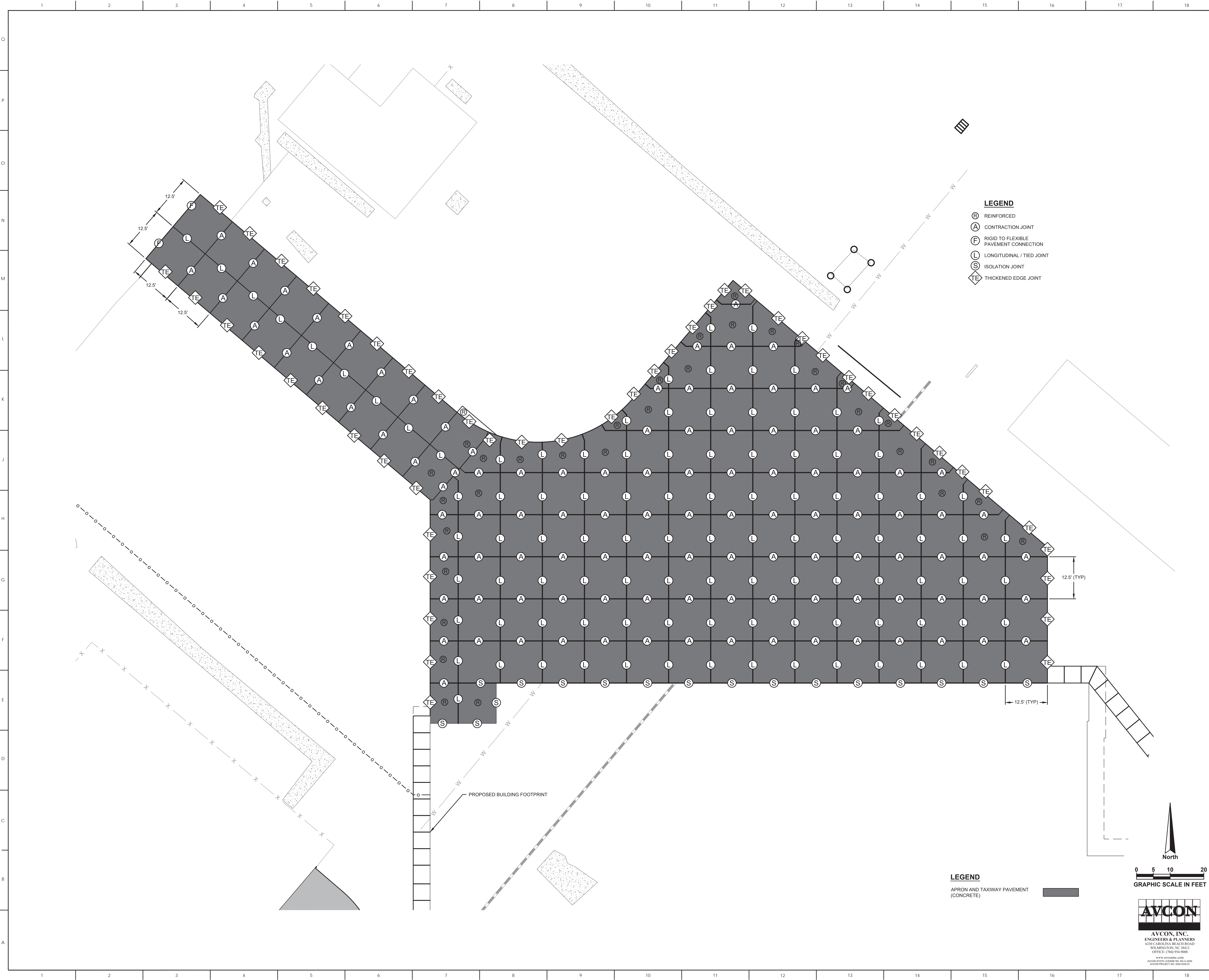
LEGEND

- PARKING LOT PAVEMENT (ASPHALT)
- ACCESS ROAD PAVEMENT (ASPHALT)
- APRON PAVEMENT (CONCRETE)



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18



LEGEND

- Ⓜ REINFORCED
- Ⓐ CONTRACTION JOINT
- ⓕ RIGID TO FLEXIBLE PAVEMENT CONNECTION
- Ⓛ LONGITUDINAL / TIED JOINT
- Ⓢ ISOLATION JOINT
- Ⓣⓔ THICKENED EDGE JOINT

LEGEND

APRON AND TAXIWAY PAVEMENT (CONCRETE)

MATERIALS KEYING LEGEND

GENERAL NOTES

1. PAVING SPOTS ON ASPHALT AND CONCRETE WILL BE PROVIDED IN DIGITAL FORMAT TO CONTRACTOR ONCE PROJECT IS AWARDED.
2. SEE SHEET CS-2 FOR CONCRETE APRON AND TAXIWAY PAVEMENT NOTES AND DETAILS.
3. THE CONTRACTOR IS REQUIRED TO SUBMIT A DETAILED PAVING PLAN REFLECTING PROPOSED JOINT THICKNESS, TRANSVERSE AND LONGITUDE JOINT LAYOUTS, DOWEL DRILLING AND EPOXY INJECTION METHOD, AND A PROCESS CONTROL PLAN ADDRESSING ALL OPERATIONS NECESSARY IN THE PRODUCTION AND PLACEMENT OF THE CONCRETE PAVEMENT.

KEY PLAN

SCO ID # 22-25364-02A

NO	REVISION	DATE

SEAL

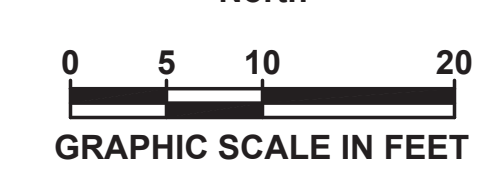
JKF
ARCHITECTURE

625 LYNNDALE CT., SUITE F, GREENVILLE, NC 27658 252.355.1048

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KINSTON, NC

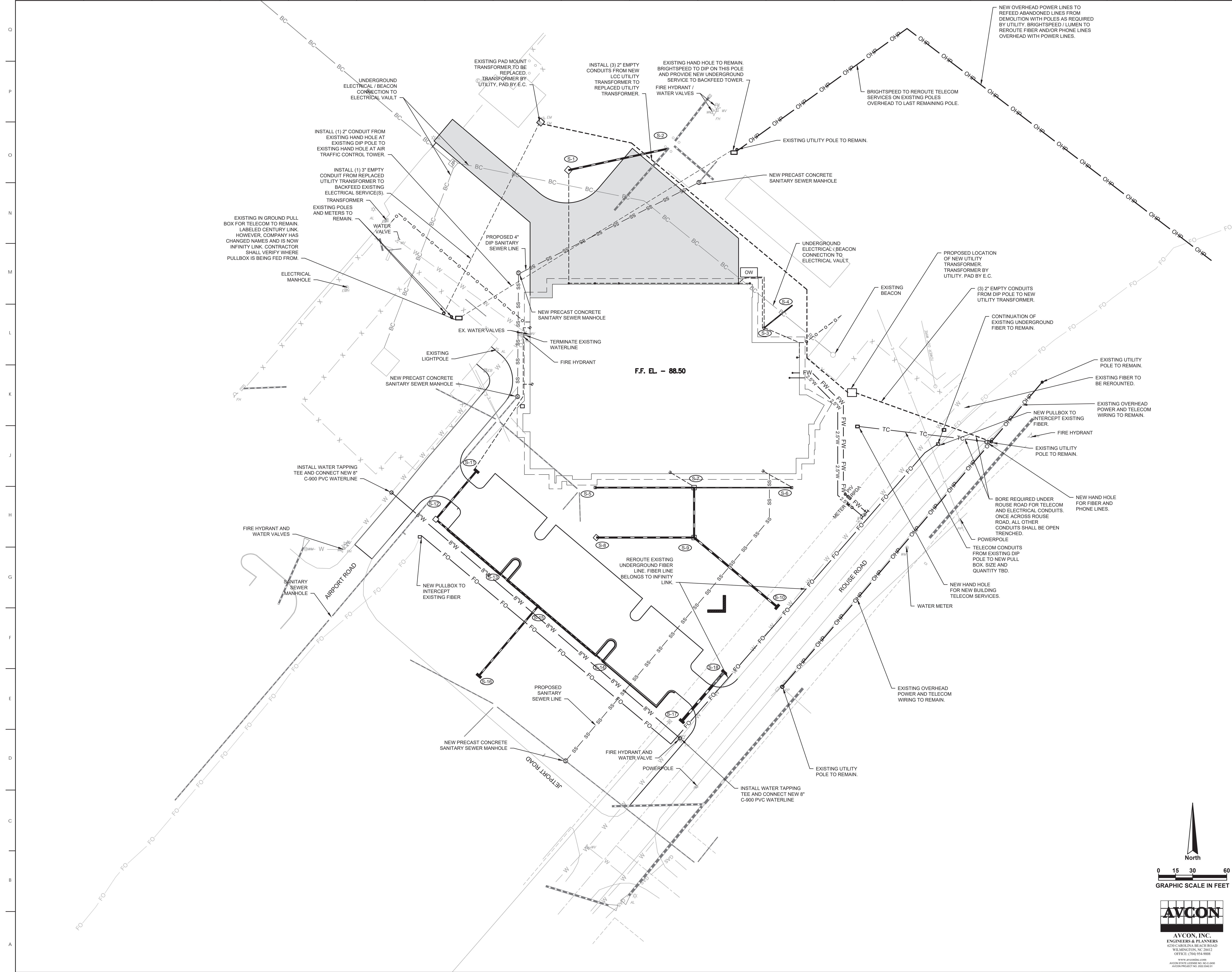
DRAWING TITLE
CONCRETE APRON AND TAXIWAY JOINT LAYOUT

SCALE	1" = 10'-0"	DRAWING NO.	C1.2
DRAWN	AMT		
CHECKED	GMW		
DATE	2-28-2024		
PROJECT NO.	2022-18		



AVCON

AVCON, INC.
ENGINEERS & PLANNERS
6230 CAROLINA BEACH ROAD
WILMINGTON, NC 28412
OFFICE: (704) 954-9008
www.avconinc.com
AVCON STATE LICENSE NO. NC-C-2860
AVCON PROJECT NO. 2022-18-11



MATERIALS KEYING LEGEND


NEW OVERHEAD POWER LINES TO REFEED ABANDONED LINES FROM DEMOLITION WITH POLES AS REQUIRED BY UTILITY. BRIGHTSPEED / LUMEN TO REROUTE FIBER AND/OR PHONE LINES OVERHEAD WITH POWER LINES.

- GENERAL NOTES**
- EXISTING TOPOGRAPHIC SURVEY FROM MATRIX EAST DATED FEBRUARY 2023.
 - EXISTING UTILITIES SHOWN ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED BY CONTRACTOR. SEE SHEET C0.0 FOR ADDITIONAL INFORMATION IN REGARDS TO EXISTING UTILITIES.
 - SEE SHEETS C5.5 THRU C5.7 FOR UTILITY DETAILS.

KEY PLAN

SCO ID # 22-25364-02A

NO REVISION DATE



JKF ARCHITECTURE

625 LYNDALE CT. SUITE F. GREENVILLE, NC 27658 252.355-1048

**LENOIR COMMUNITY COLLEGE
NEW AVIATION CENTER FOR EXCELLENCE
KINSTON, NC**

UTILITY PLAN

SCALE 1" = 30'-0"

DRAWN: **AMT**

CHECKED: **GMW**

DATE: **2-28-2024**

PROJECT NO: **2022-18**

DRAWING NO: **C1.3**

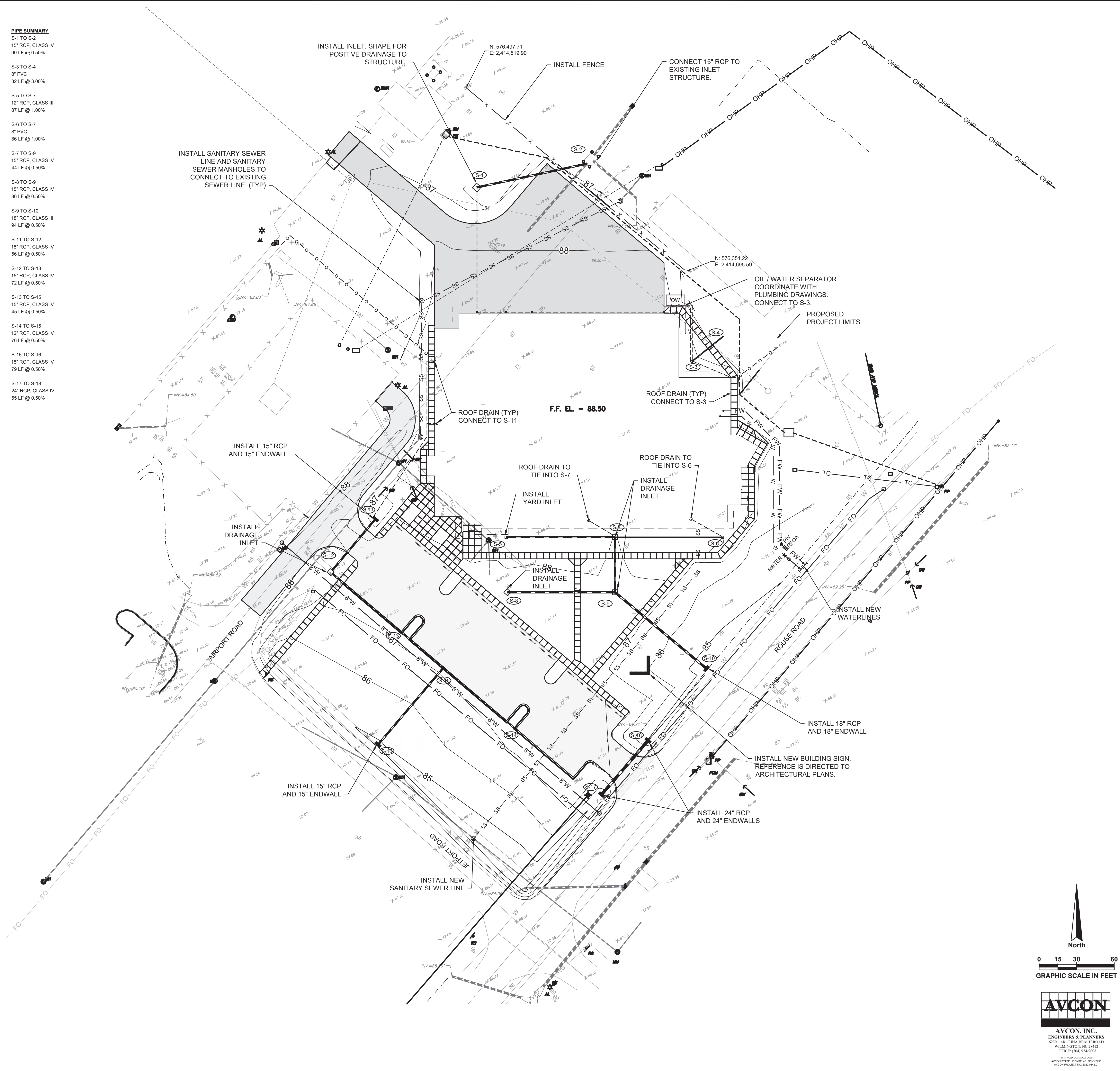
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DRAINAGE SUMMARY

- S-1 INLET
N: 576,418.14
E: 2,414,528.31
GRATE ELEV. = 87.12'
15" RCP INV. OUT ELEV. = 85.12'
- S-2 CONNECTION TO EXISTING STRUCTURE
N: 576,437.09
E: 2,414,616.04
15" RCP INV. IN ELEV. = 84.60' (VERIFY INLET ELEV.)
- S-3 YARD INLET
N: 576,279.25
E: 2,414,700.24
GRATE ELEV. = 88.40'
8" PVC INV. OUT = 86.96'
- S-4 YARD OUTFALL
N: 576,299.27
E: 2,414,725.20
8" PVC INV. = 86.00
- S-5 YARD INLET
N: 576,138.83
E: 2,414,551.82
GRATE ELEV. = 88.35'
12" RCP INV. OUT ELEV. = 86.30'
- S-6 YARD INLET
N: 576,138.83
E: 2,414,724.62
GRATE ELEV. = 88.00'
8" PVC INV. OUT ELEV. = 86.29'
- S-7 INLET
N: 576,138.83
E: 2,414,638.79
GRATE ELEV. = 88.00'
12" PVC INV. IN ELEV. = 85.43'
8" PVC INV. IN ELEV. = 85.43'
15" RCP INV. OUT ELEV. = 85.33'
- S-8 INLET
N: 576,094.91
E: 2,414,552.80
GRATE ELEV. = 87.75'
15" RCP INV. OUT ELEV. = 85.54'
- S-9 INLET
N: 576,091.91
E: 2,414,638.79
GRATE ELEV. = 87.90'
15" INV. IN ELEV. = 85.11'
15" INV. IN ELEV. = 85.11'
18" INV. OUT ELEV. = 85.01'
- S-10 HEADWALL
N: 576,034.59
E: 2,414,711.07
18" RCP INV. ELEV. = 84.54'
- S-11 HEADWALL
N: 576,152.70
E: 2,414,446.80
15" RCP INV. ELEV. = 86.18'
- S-12 INLET
N: 576,110.97
E: 2,414,411.63
GRATE ELEV. = 87.90'
15" INV. IN ELEV. = 85.89'
15" RCP INV. OUT ELEV. = 85.81'
- S-13 CURB INLET
N: 576,063.94
E: 2,414,467.08
GRATE ELEV. = 87.31'
15" RCP INV. IN ELEV. = 85.46'
15" RCP INV. OUT ELEV. = 85.46'
- S-14 CURB INLET
N: 575,985.04
E: 2,414,560.13
GRATE ELEV. = 87.48'
12" RCP INV. OUT ELEV. = 85.76'
- S-15 CURB INLET
N: 576,034.65
E: 2,414,501.63
GRATE ELEV. = 87.00'
15" RCP INV. IN ELEV. = 85.23'
12" RCP INV. IN ELEV. = 85.38'
15" RCP INV. OUT ELEV. = 85.00'
- S-16 HEADWALL
N: 575,974.04
E: 2,414,450.17
15" RCP INV. ELEV. = 84.88'
- S-17 HEADWALL
N: 575,934.14
E: 2,414,628.65
24" RCP INV. ELEV. = 85.19'
- S-18 HEADWALL
N: 575,975.78
E: 2,414,664.49
24" RCP INV. ELEV. = 84.91'

PIPE SUMMARY

- S-1 TO S-2
15" RCP, CLASS IV
90 LF @ 0.50%
- S-3 TO S-4
8" PVC
32 LF @ 3.00%
- S-5 TO S-7
12" RCP, CLASS III
87 LF @ 1.00%
- S-6 TO S-7
8" PVC
86 LF @ 1.00%
- S-7 TO S-8
15" RCP, CLASS IV
44 LF @ 0.50%
- S-8 TO S-9
15" RCP, CLASS IV
86 LF @ 0.50%
- S-9 TO S-10
18" RCP, CLASS III
94 LF @ 0.50%
- S-11 TO S-12
15" RCP, CLASS IV
56 LF @ 0.50%
- S-12 TO S-13
15" RCP, CLASS IV
72 LF @ 0.50%
- S-13 TO S-15
15" RCP, CLASS IV
45 LF @ 0.50%
- S-14 TO S-15
12" RCP, CLASS IV
76 LF @ 0.50%
- S-15 TO S-16
15" RCP, CLASS IV
79 LF @ 0.50%
- S-17 TO S-18
24" RCP, CLASS IV
55 LF @ 0.50%



MATERIALS KEYING LEGEND

GENERAL NOTES

1. EXISTING TOPOGRAPHIC SURVEY FROM MATRIX EAST DATED FEBRUARY 2023.
2. EXISTING UTILITIES SHOWN ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED BY CONTRACTOR.
3. SEE SHEET C1.1 FOR GEOMETRIC, PAVING AND MARKING LAYOUT.
4. SEE SHEET C1.3 FOR UTILITY PLAN.
5. SEE SHEETS C5.5 THRU C5.7 FOR UTILITY DETAILS.
6. SEE SHEET C5.8 FOR STORM PIPE PROFILES.
7. REFERENCE IS DIRECTED TO PLUMBING DRAWINGS FOR ROOF DRAIN, DOWN SPOUT, OIL/WATER SEPARATOR AND CONCRETE TANK PAV LOCATIONS.
8. NORTHINGS AND EASTINGS OF INLETS ARE GIVEN FOR THE CENTER OF THE STRUCTURE. NORTHINGS AND EASTINGS OF HEADWALLS ARE GIVEN FROM MIDDLE BACK OF STRUCTURE.

KEY PLAN

SCO ID # 22-25364-02A

NO	REVISION	DATE

J K F
 ARCHITECTURE
625 LYNDALE CT. SUITE F. GREENVILLE, NC 27658 252.355.1048

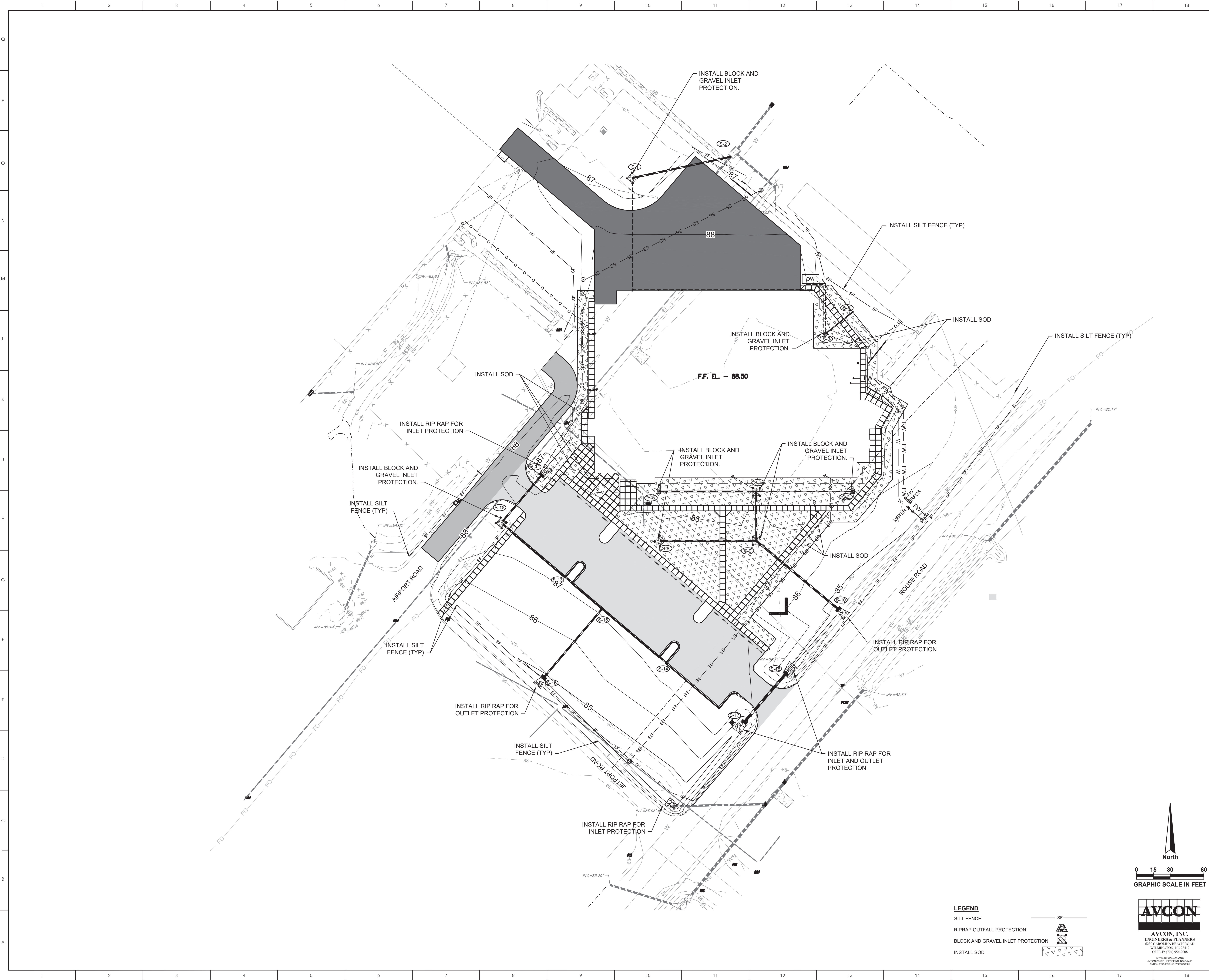
LENOIR COMMUNITY COLLEGE
 NEW AVIATION CENTER FOR EXCELLENCE
 KINSTON, NC

DRAWING TITLE: **GRADING PLAN**

SCALE: **1" = 30'-0"** DRAWING NO: **C2.1**
 DRAWN: **AMT**
 CHECKED: **GMW**
 DATE: **2-28-2024**
 PROJECT NO: **2022-18**

AVCON INC.
 ENGINEERS & PLANNERS
 6230 CAROLINA BEACH ROAD
 WILMINGTON, NC 28412
 OFFICE: (704) 954-9008
 WWW.AVCON.COM
 AVCON STATE LICENSE NO. NC-0-0860
 AVCON PROJECT NO. 20220418

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MATERIALS KEYING LEGEND

GENERAL NOTES

- EXISTING TOPOGRAPHIC SURVEY FROM MATRIX EAST DATED FEBRUARY 2023
- EXISTING UTILITIES SHOWN ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED BY CONTRACTOR.

KEY PLAN

SCO ID # 22-25364-02A

NO	REVISION	DATE

JKF
ARCHITECTURE

625 LYNNDALE CT. SUITE F. GREENVILLE, NC 27658 252.355.1048

LENOIR COMMUNITY COLLEGE
NEW AVIATION CENTER FOR EXCELLENCE
KINSTON, NC

EROSION AND SEDIMENT CONTROL PLAN

SCALE	1" = 30'-0"	DRAWING NO.	C3.1
DRAWN	AMT		
CHECKED	GMW		
DATE	2-28-2024		
PROJECT NO.	2022-18		

LEGEND

- SILT FENCE
- RIPRAP OUTFALL PROTECTION
- BLOCK AND GRAVEL INLET PROTECTION
- INSTALL SOD

North

0 15 30 60
GRAPHIC SCALE IN FEET

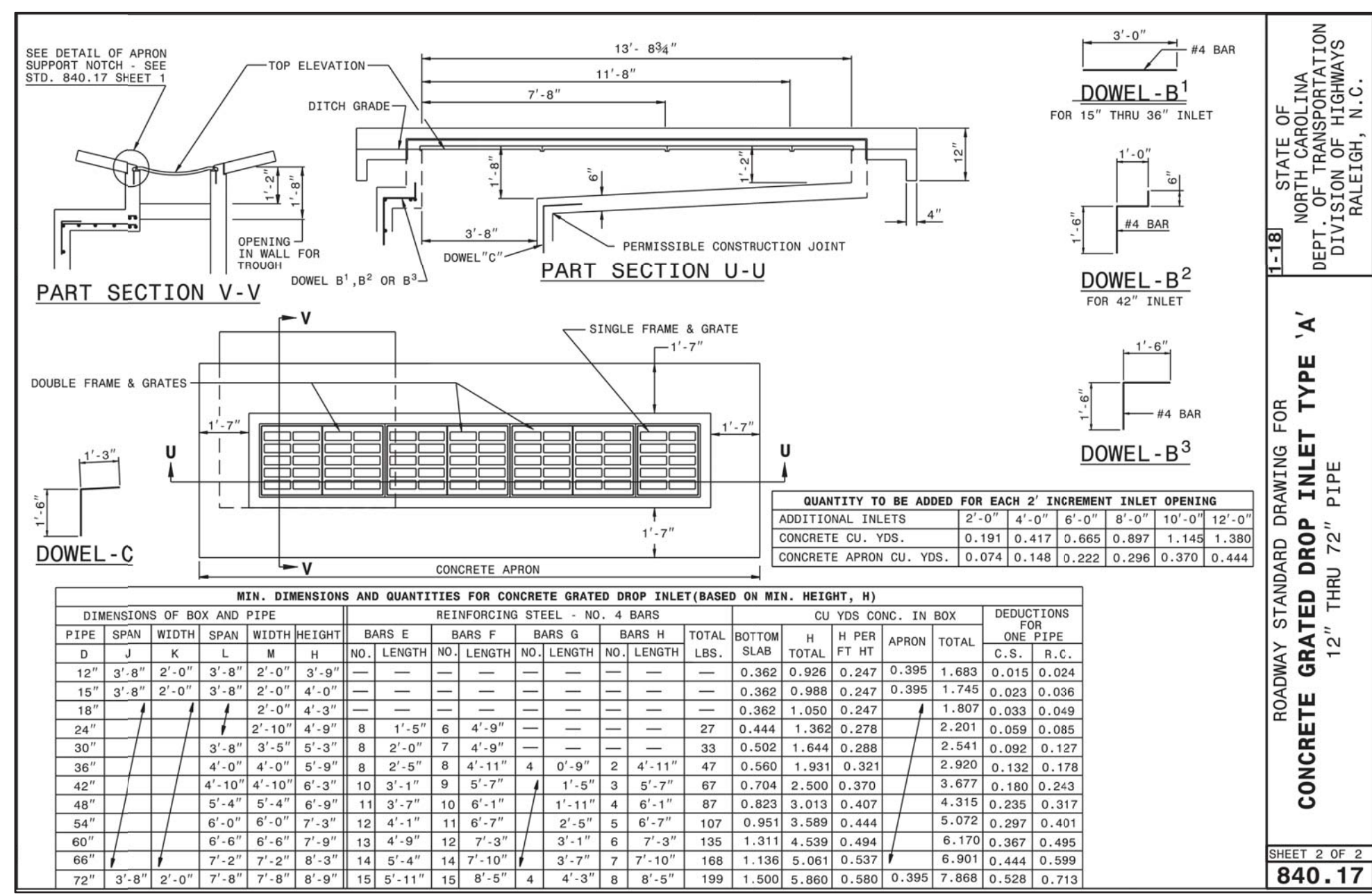
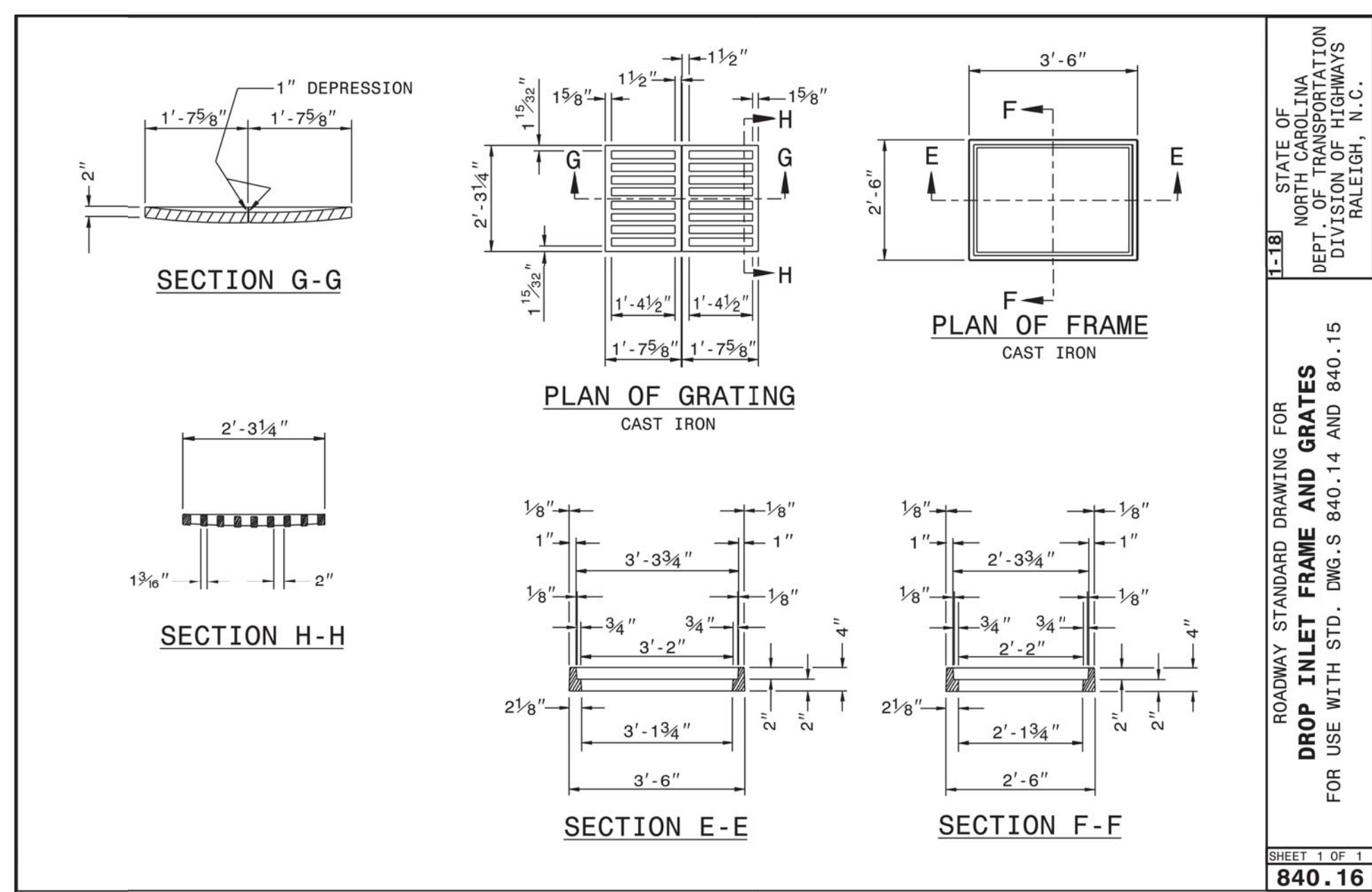
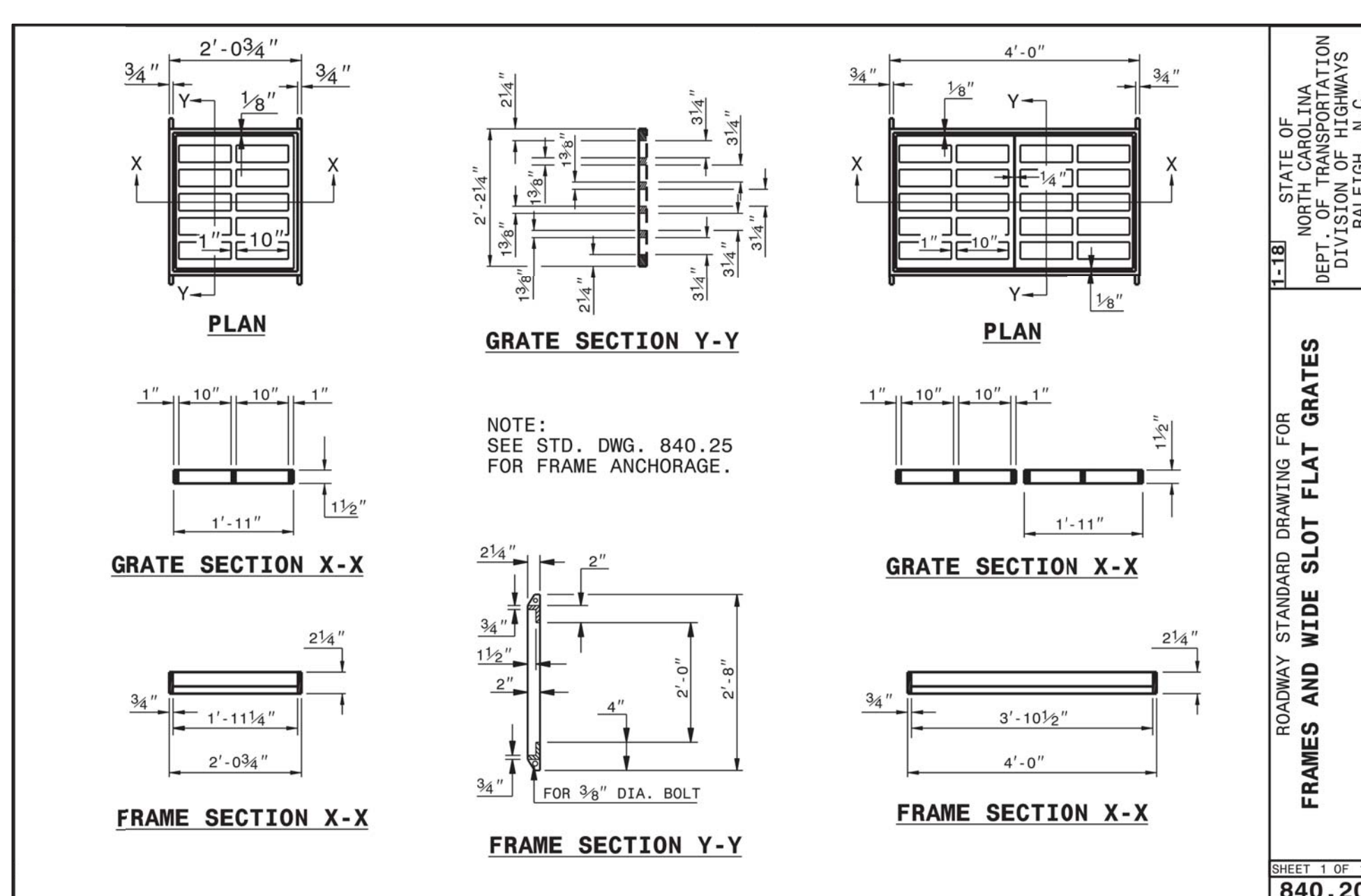
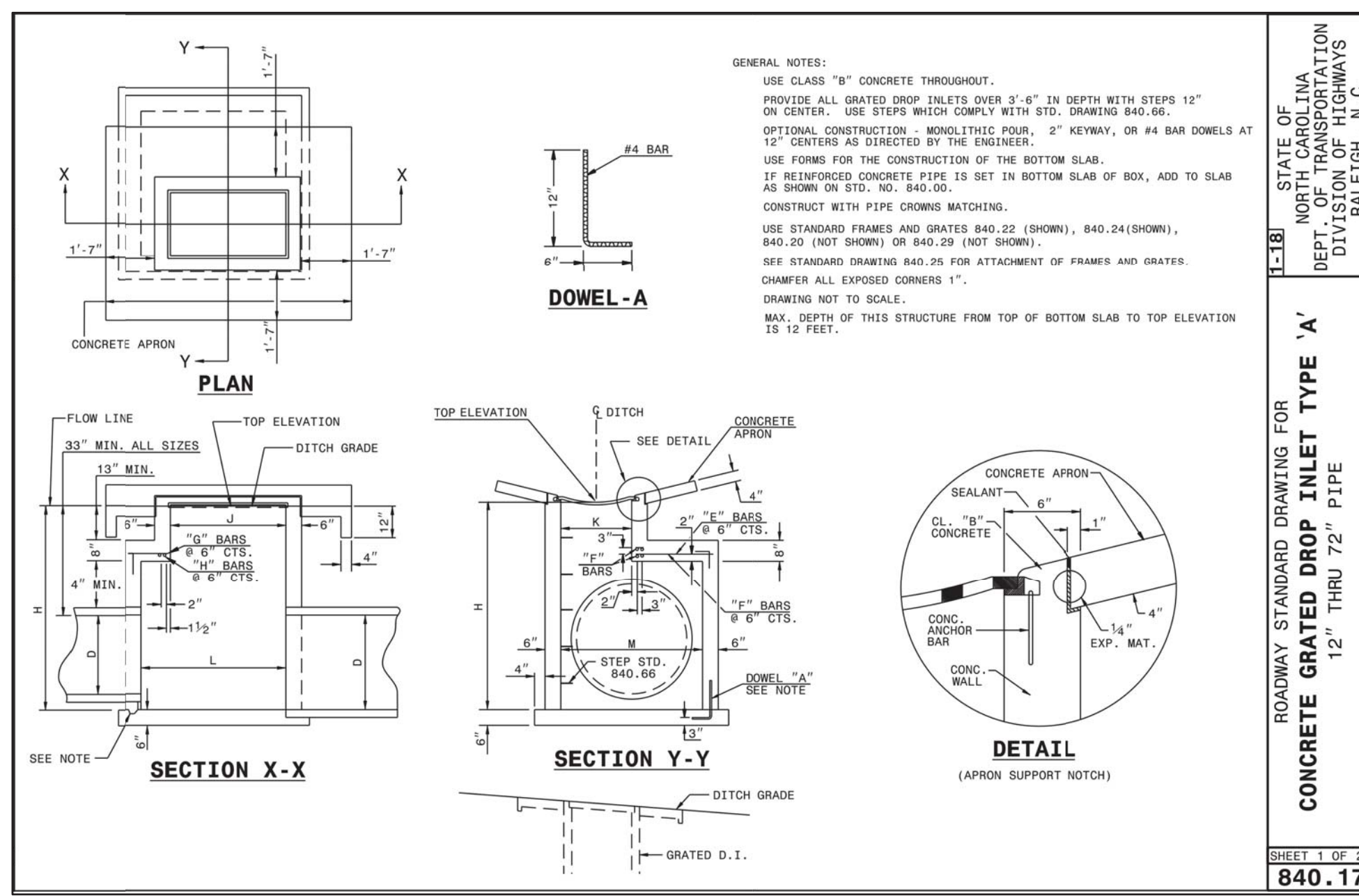
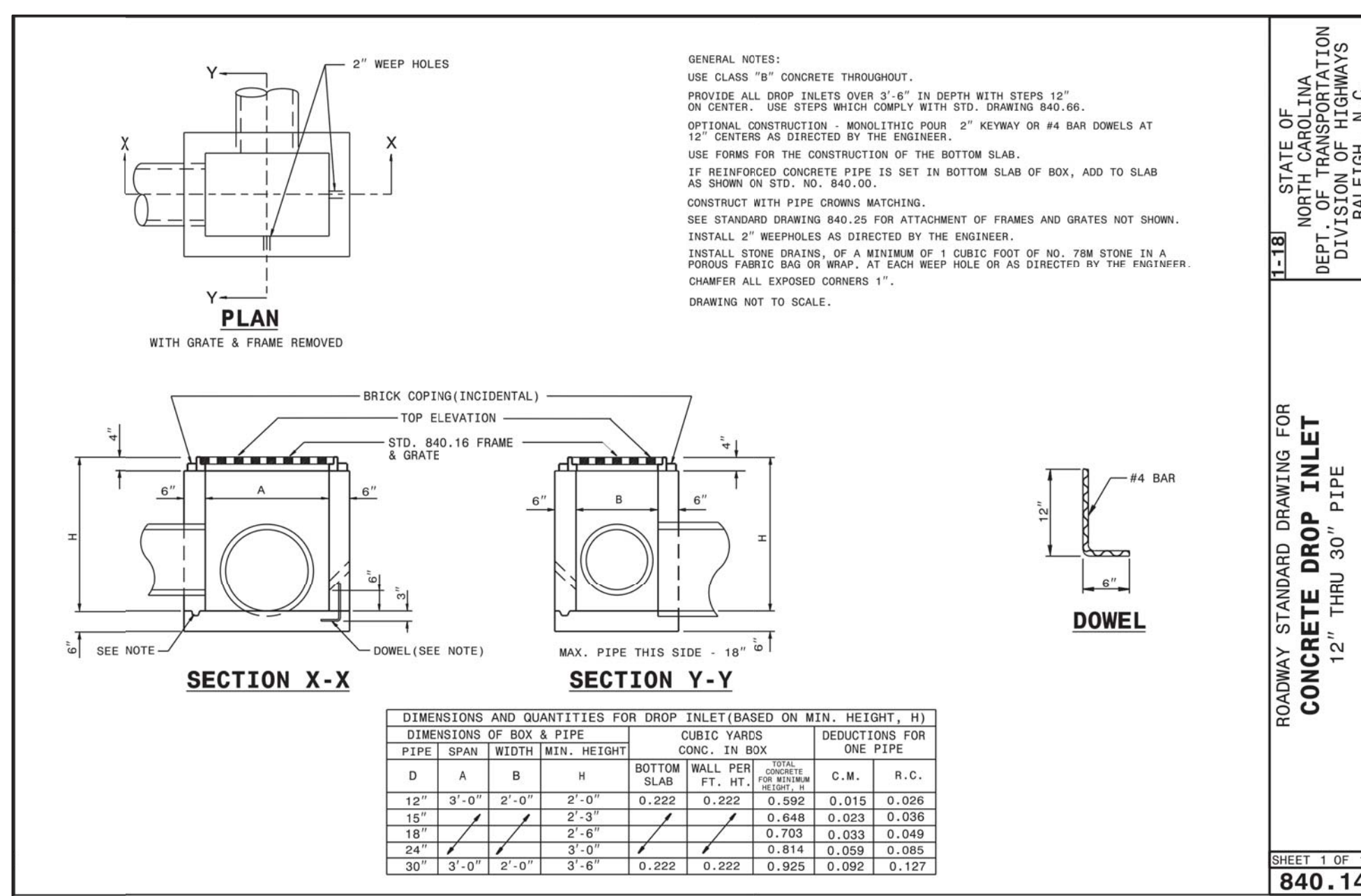
AVCON
AVCON, INC.
ENGINEERS & PLANNERS
6250 CAROLINA BEACH ROAD
WILMINGTON, NC 28412
OFFICE: (704) 954-9008
www.avconinc.com
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AVCON PROJECT NO. 2022-18-01

GRADING AND DRAINAGE NOTES

- ALL PROPOSED CONTOURS AND SPOT ELEVATIONS REFLECT FINISHED GRADES. THE CONTRACTOR SHALL IMMEDIATELY REPORT TO ENGINEER ANY DISCREPANCIES FOUND BETWEEN ACTUAL FIELD CONDITIONS AND CONSTRUCTION DOCUMENTS AND SHALL WAIT FOR INSTRUCTION PRIOR TO PROCEEDING.
- IT IS THE INTENTION OF THE PROJECT TO TIE PROPOSED GRADING INTO EXISTING TOPOGRAPHY. IT SHALL BE UNDERSTOOD BY THE CONTRACTOR THAT UNLESS OTHERWISE INDICATED, THE LATEST PROPOSED CONTOUR SHOWN SHALL TIE INTO THE EXISTING TOPOGRAPHY AT THE NEAREST EXISTING CONTOUR IN ORDER TO PROVIDE FOR POSITIVE DRAINAGE. THIS TIE IN SHALL BE A SMOOTH TRANSITION TO EXISTING TOPOGRAPHY. WORK COVERED UNDER THIS ITEM AND SLIGHT ADJUSTMENTS TO THE TIE IN LIMITS TO MEET THE REQUIREMENTS AND INTENTS OF THE PLANS SHALL BE INCIDENTAL TO THE GRADING OPERATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING EXISTING UTILITIES PRIOR TO COMMENCING WORK IN THAT AREA AND SHALL REPAIR ALL DAMAGE TO EXISTING UTILITIES THAT OCCUR DURING CONSTRUCTION. CONTRACTOR SHALL BLEND NEW EARTHWORK SMOOTHLY TO TRANSITION BACK TO EXISTING GRADE.
- TOPOGRAPHIC INFORMATION SHOWN IN THESE PLANS IS FROM EXISTING TOPOGRAPHIC SURVEYS FROM MATRIX EAST, PLLC DATED SEPTEMBER 2021.
- PRIOR TO SETTING ANY CONSTRUCTION STAKES, THE CONTRACTOR SHALL FIRST VERIFY THE ACCURACY OF THE CONTROL POINTS ESTABLISHED FOR THIS PROJECT. IF ERRORS OR DISCREPANCIES ARE DISCOVERED DURING THIS VERIFICATION PROCESS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING, EXPLAINING THE ISSUE IN DETAIL. SECONDLY, UPON COMPLETION OF THIS VERIFICATION PROCESS, THE CONTRACTOR'S REGISTERED LAND SURVEYOR SHALL CERTIFY IN WRITING THAT ALL CONTROL POINTS ARE ACCEPTABLE AND ADEQUATE TO ALLOW THE CONTRACTOR'S CONSTRUCTION STAKING TO MEET THE ACCURACY REQUIREMENTS OF THE SPECIFICATION.
- THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE AIRPORT OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. IT SHOULD BE NOTED THAT THERE ARE FIBER OPTIC CABLES WITHIN THE PROJECT AREA AND THE CONTRACTOR SHALL USE EXTREME CARE WHEN WORKING AROUND THE PROJECT AREA.
- EVERY EFFORT HAS BEEN MADE TO SHOW ALL EXISTING UTILITIES AND FACILITIES WITHIN THE PROJECT LIMITS. HOWEVER, IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY AND LOCATE ALL UTILITIES WITHIN THE PROJECT AREA PRIOR TO BEGINNING ANY CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL ALSO VERIFY DEPTH OF THE UTILITIES AND FACILITIES PRIOR TO INSTALLING ANY PIPE OR STRUCTURES TO PREVENT ANY UTILITY CONFLICTS. ANY IMPACTS TO EXISTING UTILITIES SHALL BE COORDINATED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL LOCATE AND PROTECT EXISTING UTILITIES AND FACILITIES, INCLUDING AIRPORT AND FAA, FROM DAMAGE BY EQUIPMENT OR PERSONNEL. THE CONTRACTOR SHALL CONTACT ALL UTILITY AND FACILITY AGENCIES, INCLUDING THE AIRPORT AND FAA, FOR FIELD MARKING PRIOR TO BEGINNING CONSTRUCTION OPERATIONS.
- ANY UTILITIES OR FACILITIES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPORTED TO THE AIRPORT AND ENGINEER IMMEDIATELY AND REPAIRED AS DIRECTED AT THE CONTRACTOR'S EXPENSE.
- ALL UNPAVED AREAS DISTURBED BY GRADING OPERATION SHALL BE RE-VEGETATED. THE CONTRACTOR SHALL SOW GRASS ON DISTURBED AREAS IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF ALL SHEETING, SHORING, BRACING, AND SPECIAL EXCAVATION MEASURES REQUIRED TO MEET OSHA, FEDERAL, STATE, AND LOCAL REGULATIONS PURSUANT TO THE INSTALLATION OF THE WORK INDICATED ON THESE DRAWINGS.
- IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURES AS NECESSARY TO RETURN THEM TO PRE-CONSTRUCTION CONDITIONS AT THE CONTRACTOR'S EXPENSE. NO SEPARATE PAYMENT WILL BE MADE FOR THESE REPAIRS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING POSITIVE DRAINAGE THROUGHOUT THE SITE AND ACROSS THE PROJECT. THE POSITIVE DRAINAGE INCLUDES DRAINAGE TO THE APPROPRIATE DRAINAGE STRUCTURES AND EROSION AND SEDIMENT CONTROL MEASURES.
- THE CONTRACTOR SHALL MAINTAIN ALL SEDIMENT AND EROSION CONTROL MEASURES THROUGHOUT THE DURATION OF THE PROJECT. AT THE END OF THE PROJECT, THE CONTRACTOR SHALL REMOVE EROSION AND SEDIMENT CONTROL AS DIRECTED BY THE ENGINEER.
- ALL EXCAVATION WASTE MATERIAL, CONSTRUCTION DEBRIS, AND DEMOLITION MATERIALS SHALL BE DISPOSED OF OFF-SITE BY THE CONTRACTOR. ANY WASTE MATERIAL STOCK PILED ON-SITE SHALL BE COVERED AND/OR SECURED AT ALL TIME TO AVOID BLOWING OR BECOMING FOD.
- IN THE CASE THE CONTRACTOR WILL BE REQUIRED TO WORK AT NIGHT, THE CONTRACTOR WILL NEED TO PROVIDE PROPER LIGHTING FOR NIGHT WORK. LIGHTING SHALL BE SHIELDED AND POINTED DOWN TO AVOID INTERFERENCE WITH AIRCRAFT OPERATIONS.
- IN ADDITION TO THESE PLANS AND SPECIFICATIONS, ALL CONSTRUCTION ACTIVITIES FOR THIS PROJECT SHALL CONFORM TO THE GUIDELINES SET FORTH IN FEDERAL AVIATION ADMINISTRATION (FAA) AC 150/5370-2 (CURRENT EDITION) "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION" (INCLUDED IN THE SPECIFICATIONS).
- THE CONTRACTOR SHALL BEAR THE COST OF AND BE RESPONSIBLE FOR ALL "QUALITY CONTROL" TESTING. ALL TESTS REQUIRED BY SPECIFICATIONS FOR "QUALITY ASSURANCE" (ACCEPTANCE OF WORKMANSHIP AND/OR MATERIALS) SHALL BE INITIATED BY THE ENGINEER AND PAID FOR BY THE AIRPORT.
- CONTRACTOR'S SUPERINTENDENT SHALL BE ON THE CONSTRUCTION SITE AT ALL TIMES DURING WORKING HOURS WHILE THE PROJECT IS IN PROCESS, AND SHALL BE DESIGNATED THE RESPONSIBLE CONTRACTOR'S REPRESENTATIVE WHO SHALL BE AVAILABLE ON A 24-HOUR BASIS. CONTRACTOR SHALL SUPPLY THE AIRPORT/ENGINEER A 24-HOUR CONTACT LIST WITH PHONE NUMBERS AT THE PRE-CONSTRUCTION MEETING AND UPDATE, AS NEEDED, THROUGHOUT THE CONTRACT.
- AREAS OUTSIDE THE PROJECT LIMITS ARE DESIGNATED AS RESTRICTED AREAS. THE CONTRACTOR'S FORCES ARE PROHIBITED FROM ENTERING RESTRICTED AREAS AT ANY TIME, UNLESS SPECIFICALLY AUTHORIZED BY THE AIRPORT OR ENGINEER.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH APPLICABLE STANDARDS AND SPECIFICATIONS OF THE FAA, LENOIR COUNTY, AND THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION.
- THE PROJECT PAY ITEMS ARE PROVIDED TO BE INCLUSIVE OF ALL WORK TO BE PERFORMED AS SHOWN IN THESE PLANS. ALL INCIDENTAL WORK REQUIRED TO COMPLETE THE PROJECT SHALL BE INCLUDED IN THE COSTS OF THE PAY ITEMS.
- ALL CONTRACTOR VEHICLES AND TRAFFIC SHALL REMAIN WITHIN THE DESIGNATED CONSTRUCTION AREAS, STAGING AREAS, OR HAUL ROUTES.
- THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING AND ACQUIRING ALL REQUIRED PERMITS (OTHER THAN STORM WATER AND NCDEQ SEDIMENTATION AND EROSION CONTROL). COPIES SHALL BE SUBMITTED TO THE AIRPORT AND ENGINEER. COST FOR THESE PERMITS SHALL BE INCIDENTAL TO THE COST OF THE ASSOCIATED WORK.
- ALL EXISTING GRASSED AREAS WHICH ARE DISTURBED AS PART OF THE CONTRACTOR'S ACCESS ROAD, STAGING AREA, AND HAUL ROUTES, SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AFTER COMPLETION OF THE PROJECT. IN ADDITION, ALL EXISTING ROADS THAT WILL BE USED AS THE CONTRACTOR'S HAUL ROUTE, SHALL BE MAINTAINED DURING CONSTRUCTION AND RESTORED TO THEIR PRE-CONSTRUCTION CONDITION. NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE FOR THIS ITEM.
- ALL DISTURBED AREAS WITHIN THE PROJECT LIMITS SHALL BE SEEDED PER THE PLANS AND SPECIFICATIONS.
- AS AREAS OF THE GRADING ARE COMPLETED, THEY SHALL BE SEEDED/MULCHED IMMEDIATELY, WITHOUT DELAY. ALL ASSOCIATED COSTS FOR THIS WORK SHALL BE INCIDENTAL TO THE SEEDING/MULCHING UNIT PRICES.

DEWATERING NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING OF THE PROJECT SITE TO THE APPROPRIATE DRAINAGE AND SEDIMENT AND EROSION CONTROL MEASURES. THE DEWATERING OF A PROJECT AREA ACROSS AN ADJACENT AREA, EITHER WITHIN OR OUTSIDE THE PROJECT LIMITS, SHALL BE DONE SUCH THAT IT CAUSES NO DAMAGE TO ANY OF THE AREAS IMPACTED. ANY DAMAGE CAUSED BY THE CONTRACTOR'S DEWATERING, ON-SITE OR OFF-SITE, SHALL BE REPAIRED AT NO COST TO THE OWNER. DEWATERING SHALL MEET THE REQUIREMENTS LISTED IN THE P-162 SPECIFICATION.
- DEWATERING OF THE SITE, EXCAVATIONS, TRENCHES, EMBANKMENT, EXISTING AND/OR PROPOSED PAVEMENT BOX, AND ALL OTHER AREAS OF CONSTRUCTION REQUIRED FOR THE COMPLETION OF THE PROJECT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, ALONG WITH THE TEMPORARY AND PERMANENT MEASURES SHOWN ON THE PLAN. THE CONTRACTOR SHALL SUBMIT PROPOSED METHODS AND A DETAILED DEWATERING PLAN TO THE ENGINEER FOR REVIEW AND APPROVAL. DEWATERING PLAN SHALL BE SUBMITTED PRIOR TO START OF GRADING OPERATIONS. THE METHODS AND PLAN SHALL INDICATE HOW THE CONTRACTOR WILL HANDLE THE DEWATERING OF THE SITE THROUGH ALL PHASES OF THE PROJECT. ANY DAMAGES CAUSED BY THE FAILURE OF THE CONTRACTOR TO SUBMIT OR ADEQUATELY MAINTAIN A DEWATERING PLAN SHALL BE PAID FOR SOLELY BY THE CONTRACTOR. FAILURE TO SUBMIT METHODS AND A DEWATERING PLAN DOES NOT ALLEVIATE THE CONTRACTOR TO THE REQUIREMENTS HEREIN. THE DEWATERING METHODS AND PLAN SHALL ADDRESS, AT A MINIMUM, THE FOLLOWING REQUIREMENTS:
 - SURFACE WATER AND SUBSURFACE OR GROUND WATER SHALL BE PREVENTED FROM FLOWING INTO EXCAVATIONS AND FROM FLOODING THE PROJECT SITE AND SURROUNDING AREAS, INCLUDING AREAS DOWNSTREAM OF THE PROJECT AND OUTSIDE THE PROJECT LIMITS. SURFACE WATER, PARTICULARLY IN UN-VEGETATED AREAS DURING CONSTRUCTION, SHOULD NOT BE ALLOWED TO FLOW INTO UNPROTECTED STORM DRAINAGE MEASURES. THE CONTRACTOR SHALL IDENTIFY ANY STORM DRAINAGE THAT IT TO BE USED AS PART OF THE DEWATERING PLAN. ANY DAMAGES CAUSED BY THE FAILURE OF THE CONTRACTOR TO SUBMIT OR ADEQUATELY MAINTAIN DEWATERING PLAN SHALL BE PAID FOR BY THE CONTRACTOR.
 - DO NOT ALLOW WATER TO ACCUMULATE IN EXCAVATIONS, INCLUDING THE EXISTING PAVEMENT REMOVAL AREAS. REMOVE WATER TO PREVENT SOFTENING OF FOUNDATION SOILS, UNDERCUTTING OF FOOTINGS, AND SOIL CHANGES DETRIMENTAL TO THE STABILITY OF SUBGRADES AND FOUNDATIONS. MAINTAIN GRADES SO THAT THE SURFACE IS WELL DRAINED. PROVIDE AND MAINTAIN PUMPS, WELL POINTS, SLUMPS, SUCTION AND DISCHARGE LINES, AND OTHER DEWATERING SYSTEM COMPONENTS NECESSARY TO CONVEY WATER AWAY FROM EXCAVATIONS. THE CONTRACTOR SHALL MAINTAIN ADEQUATE METHODS TO REMOVE WATER FROM THE SITE AT ALL TIMES.
 - CONVEY WATER REMOVED FROM EXCAVATIONS AND DRAIN TO COLLECTING OR RUNOFF AREAS. ESTABLISH AND MAINTAIN TEMPORARY DRAINAGE DITCHES, SWALES, AND OTHER DIVERSIONS TO PROTECT SLOPES AND STRUCTURES. DO NOT USE TRENCH EXCAVATIONS AS TEMPORARY DRAINAGE DITCHES. WATER REMOVED FROM EXCAVATIONS SHALL NOT BE ALLOWED TO FLOW UNCONTROLLED THROUGH THE SITE. THE DEWATERING PLAN SHALL IDENTIFY MEASURES TO BE USED TO HINDER EROSION DUE TO THE DEWATERING OF AREAS.
- BURNING WILL NOT BE ALLOWED ON AIRPORT PROPERTY.
- THE CONTRACTOR SHALL PROVIDE THE NECESSARY INFORMATION ON CONSTRUCTION CONDITIONS TO THE AIRPORT IN ORDER FOR NOTAMS TO BE ISSUED IN ACCORDANCE WITH ESTABLISHED CRITERIA. THE AIRPORT SHALL BE GIVEN 72 HOUR NOTICE OF CONDITION CHANGES.
- CONTRACTOR STAGING AREA SHALL BE MAINTAINED BY CONTRACTOR.
- THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF COMPLETED AND ONGOING WORK. ANY DAMAGE TO COMPLETED OR ONGOING WORK SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE AIRPORT.



MINIMUM GRATE OPENING REQUIREMENTS

SINGLE GRATE	525 IN ²	NCDOT STD. 840.16 OR APPROVED EQUAL
DOUBLE GRATE	650 IN ²	NCDOT STD. 840.20 OR APPROVED EQUAL

TABLE ABOVE SHOWS THE MINIMUM REQUIRED GRATE OPENING IN ORDER TO MEET THE PROJECT DRAINAGE REQUIREMENTS.

MATERIALS KEYING LEGEND

GENERAL NOTES

KEY PLAN

SCO ID # 22-25364-02A

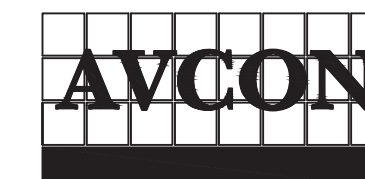
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LENOIR CENTER COLLEGE
NEW AVIATION CENTER FOR EXCELLENCE
KINSTON, NC

DRAWING TITLE
GRADING AND DRAINAGE NOTES AND DETAILS

SCALE NONE DRAWING NO.
DRAWN AMT
CHECKED GMM
DATE 2-28-2024
PROJECT NO. 2022-18

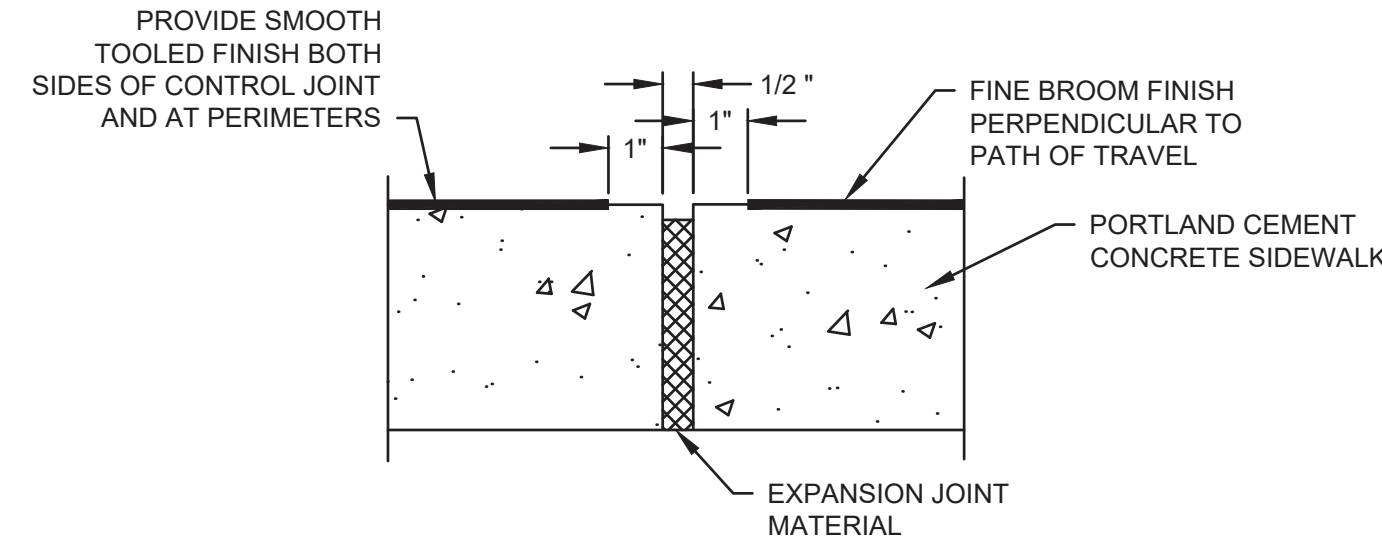


AVCON, INC.
ENGINEERS & PLANNERS
6236 CAROLINA BEACH ROAD
WILMINGTON, NC 28412
OFFICE: (704) 954-0008
WWW.AVCONINC.COM
AVCON STATE LICENSE NO. NC-0340
AVCON PROJECT NO. 2022-0417

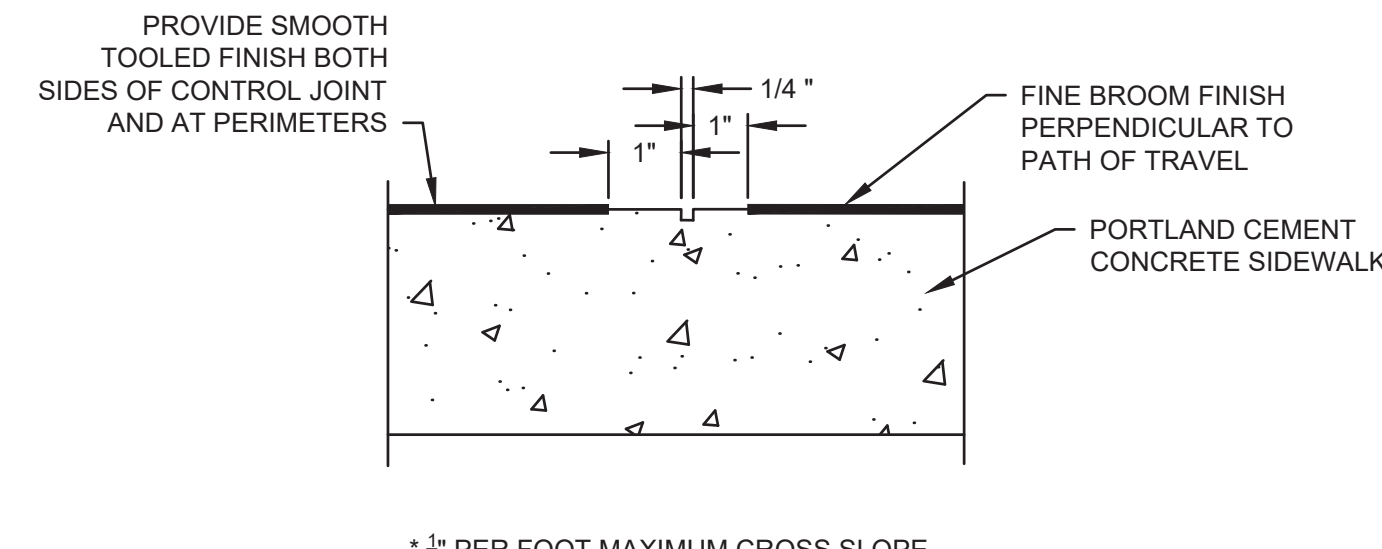
C4.1

GENERAL CONCRETE PAVING NOTES
APRON AND TAXIWAY CONNECTORS

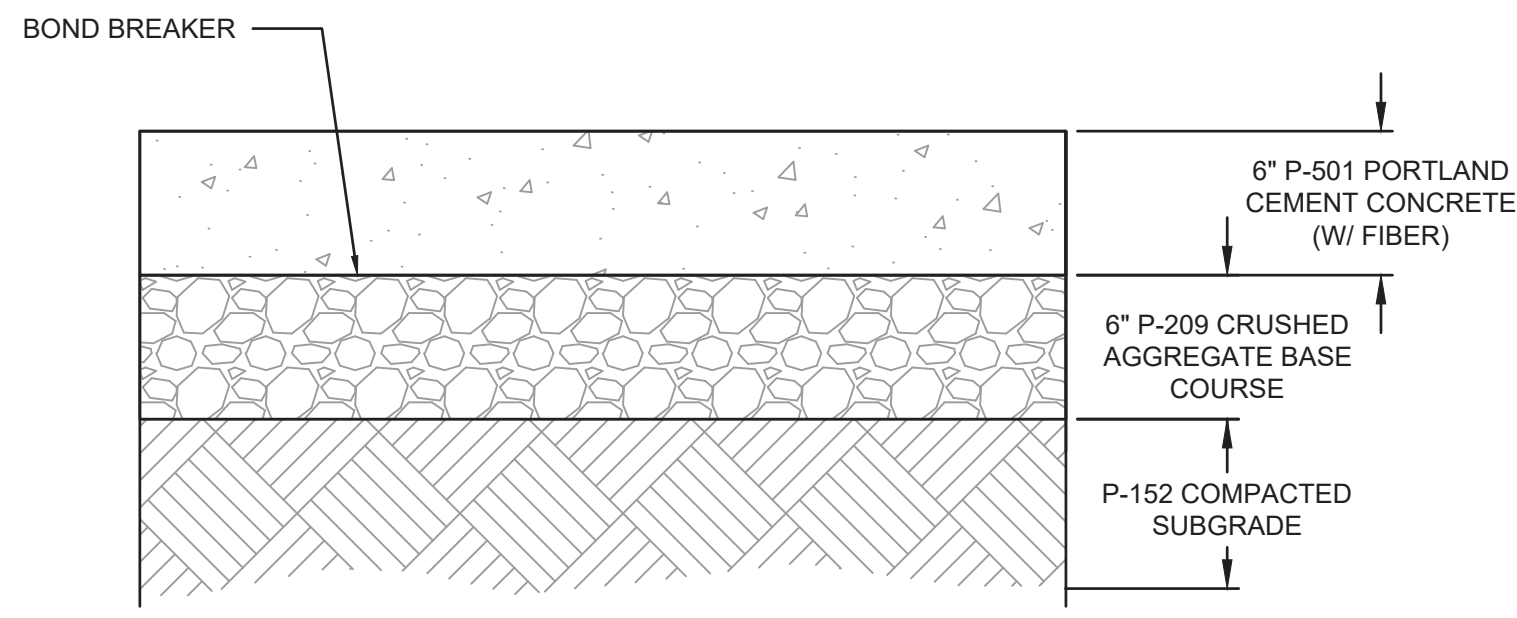
1. THE CONTRACTOR IS REQUIRED TO SUBMIT A DETAILED PAVING PLAN REFLECTING PROPOSED LIFT THICKNESS, TRANSVERSE AND LONGITUDE JOINT LAYOUTS, DOWEL DRILLING AND EPOXY INJECTION METHOD, AND A PROCESS CONTROL PLAN ADDRESSING ALL OPERATIONS NECESSARY IN THE PRODUCTION AND PLACEMENT OF THE CONCRETE PAVEMENT.
2. THE SUBGRADE SHALL BE PREPARED PER P-152. 6 INCHES OF AGGREGATE BASE COURSE SHALL BE PLACED IN ACCORDANCE WITH SPECIFICATION P-209. IN SUFFICIENT WIDTH TO ALLOW FOR 12 INCH STEP OUT. IN PREPARATION FOR THE PLACEMENT OF 6 INCHES OF PORTLAND CEMENT CONCRETE PAVEMENT, WHICH SHALL BE PLACED IN ACCORDANCE WITH SPECIFICATION P-501.
3. THE UNDERLYING SURFACE ON WHICH THE PAVEMENT WILL BE PLACED SHALL BE WIDENED APPROXIMATELY 3 FEET TO EXTEND BEYOND THE PAVING MACHINE TO SUPPORT THE PAVER WITHOUT ANY NOTICEABLE DISPLACEMENT.
4. CONTRACTOR SHALL USE A BOND BREAKER ON THE BASE COURSE AHEAD OF THE PLACEMENT OF THE CONCRETE PAVEMENT.
5. CONTRACTOR SHALL PAVE THE CONCRETE TO ELEVATIONS PROVIDED ON THE PAVING, GRADING, AND PROFILE SHEETS TO ENSURE FULL COMPLIANCE TO THE PLANS.
6. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING VERTICAL AND HORIZONTAL CONTROL FOR THE PROJECT.
7. THE CONTRACTOR SHALL FIELD VERIFY TIE-IN LOCATIONS PRIOR TO PAVING OPERATIONS.
8. CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE SO THAT RUNOFF WILL DRAIN BY OVERLAND SHEET FLOW ACROSS NEW PAVEMENT AREAS TO NEW OR EXISTING DRAINAGE INLETS, EXISTING GRADES AND DRAINAGE PATTERNS SHALL BE MAINTAINED AFTER CONSTRUCTION UNLESS OTHERWISE SHOWN ON THE PLANS.
9. CONNECTIONS TO EXISTING PAVEMENT SHALL BE MADE BY SAW CUTTING A NEAT VERTICAL LINE TO MATCH EXISTING PAVEMENT ELEVATIONS.
10. IMMEDIATELY AFTER FINISHING OPERATIONS ARE COMPLETED, THE ENTIRE SURFACE OF THE NEWLY PLACED CONCRETE SHALL APPLY A CURING COMPOUND.
11. CONTRACTOR SHALL PROTECT THE PAVEMENT AGAINST TRAFFIC CAUSED BY THE CONTRACTOR'S EMPLOYEES/AGENTS UNTIL ACCEPTED. DAMAGED PAVEMENTS SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE. SLABS SHALL BE REMOVED TO THE FULL DEPTH, WIDTH, AND LENGTH OF THE SLAB.



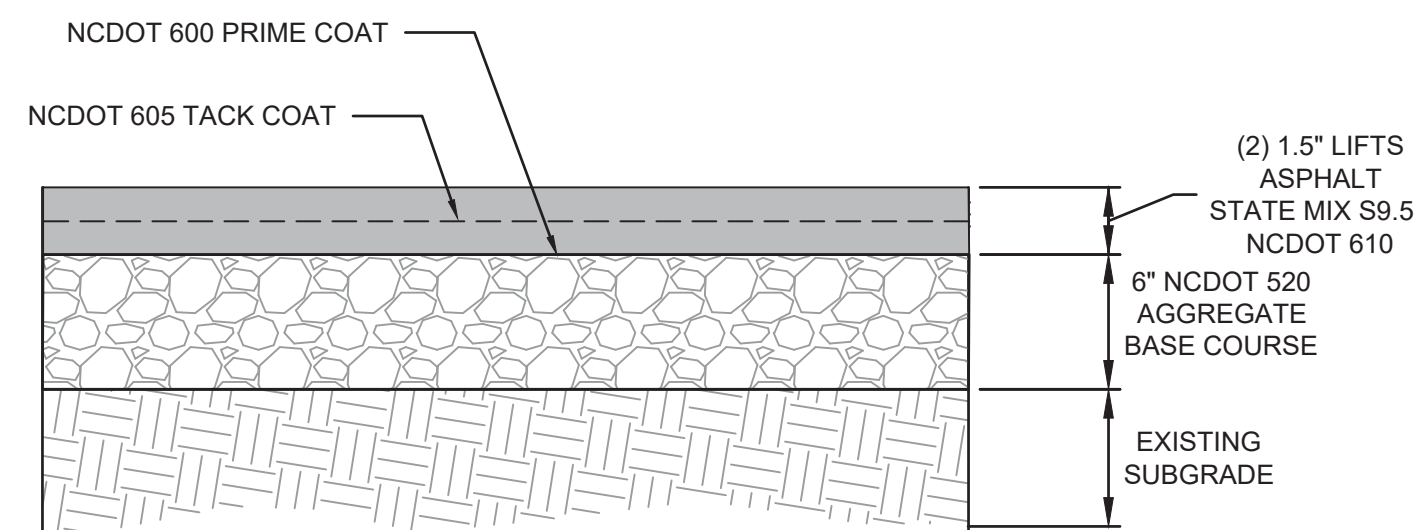
TYPICAL SIDEWALK EXPANSION JOINT
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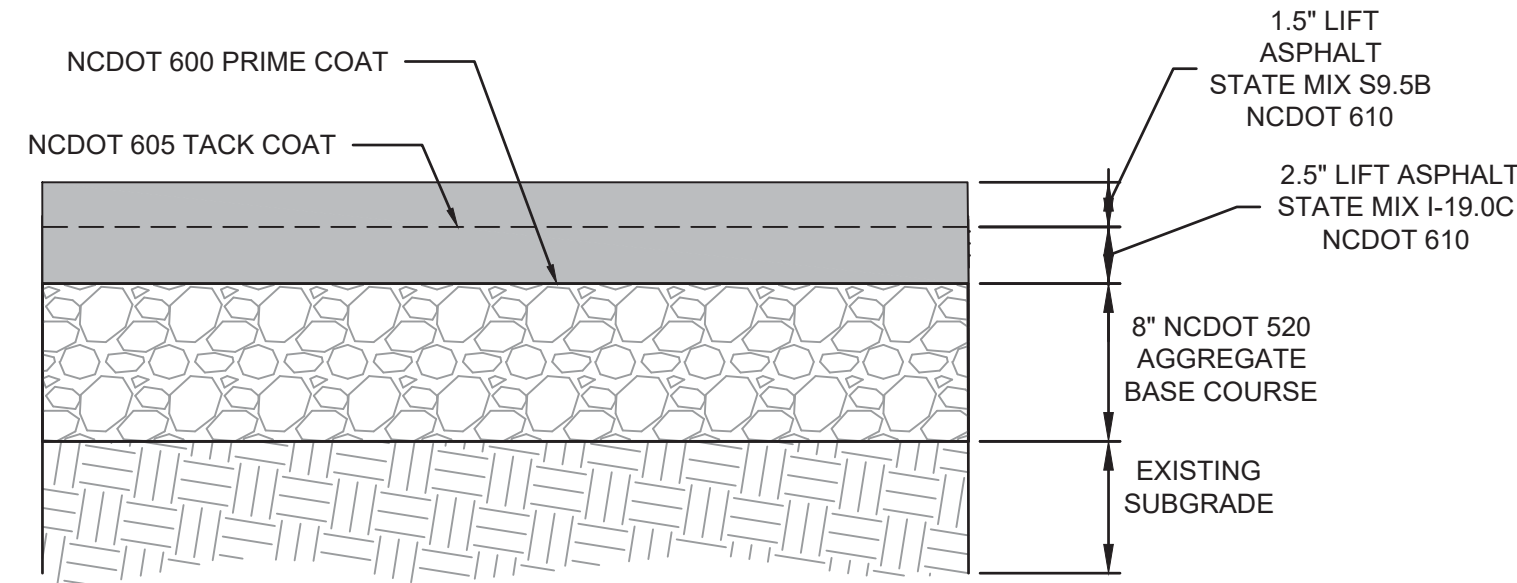
TYPICAL SIDEWALK CONTROL JOINT
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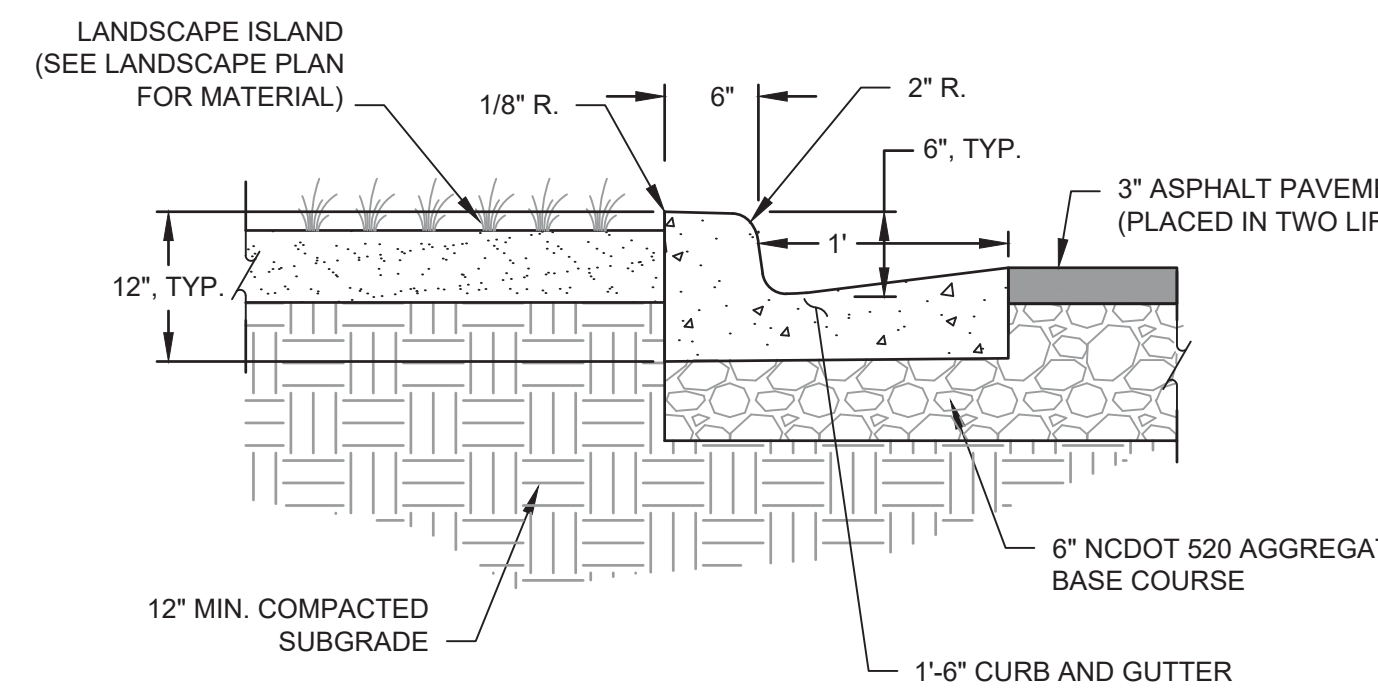
CONCRETE APRON AND TAXIWAY PAVEMENT SECTION
NOT TO SCALE



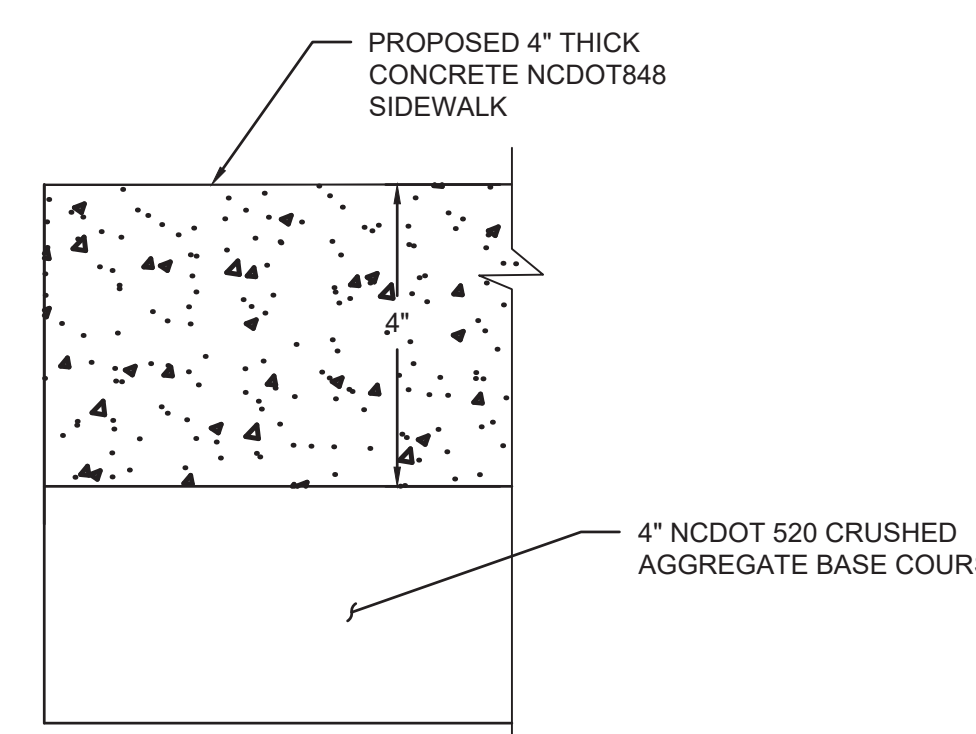
PARKING LOT PAVEMENT SECTION
NOT TO SCALE



ACCESS ROAD PAVEMENT SECTION
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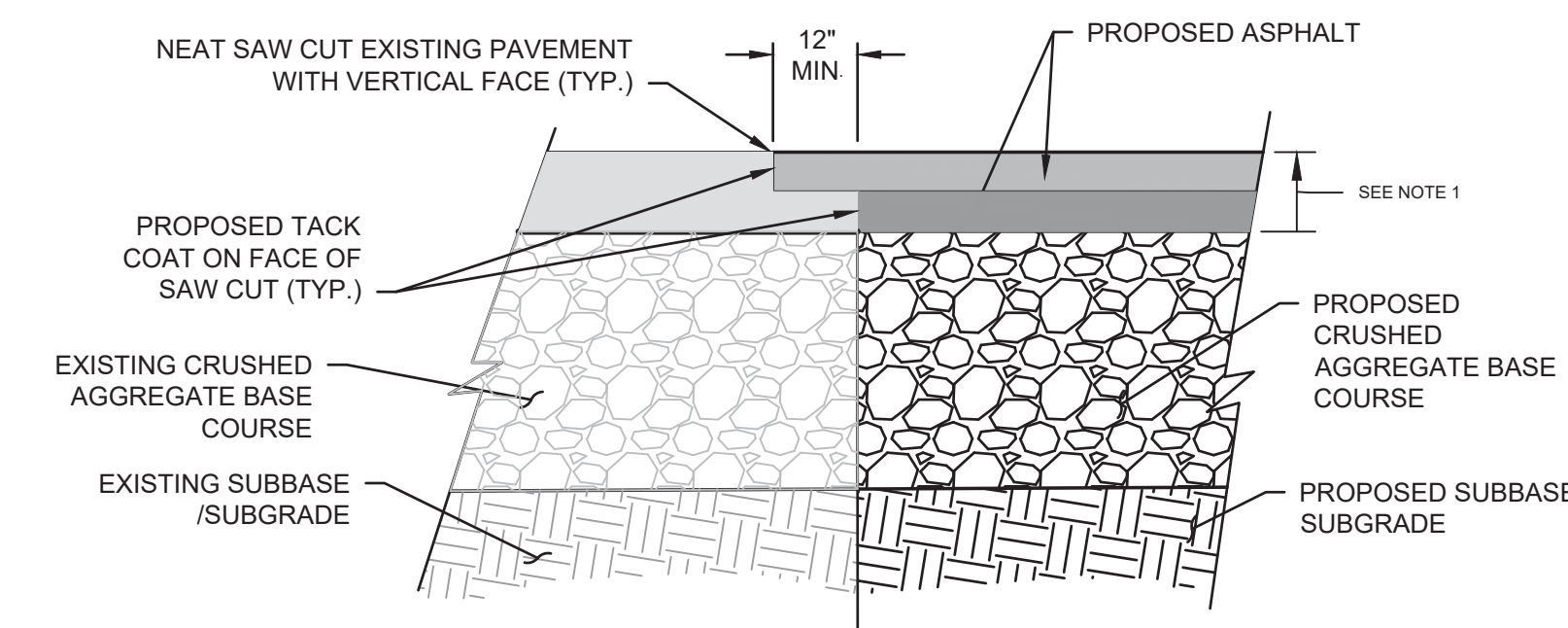
TYPE D CONCRETE CURB DETAIL
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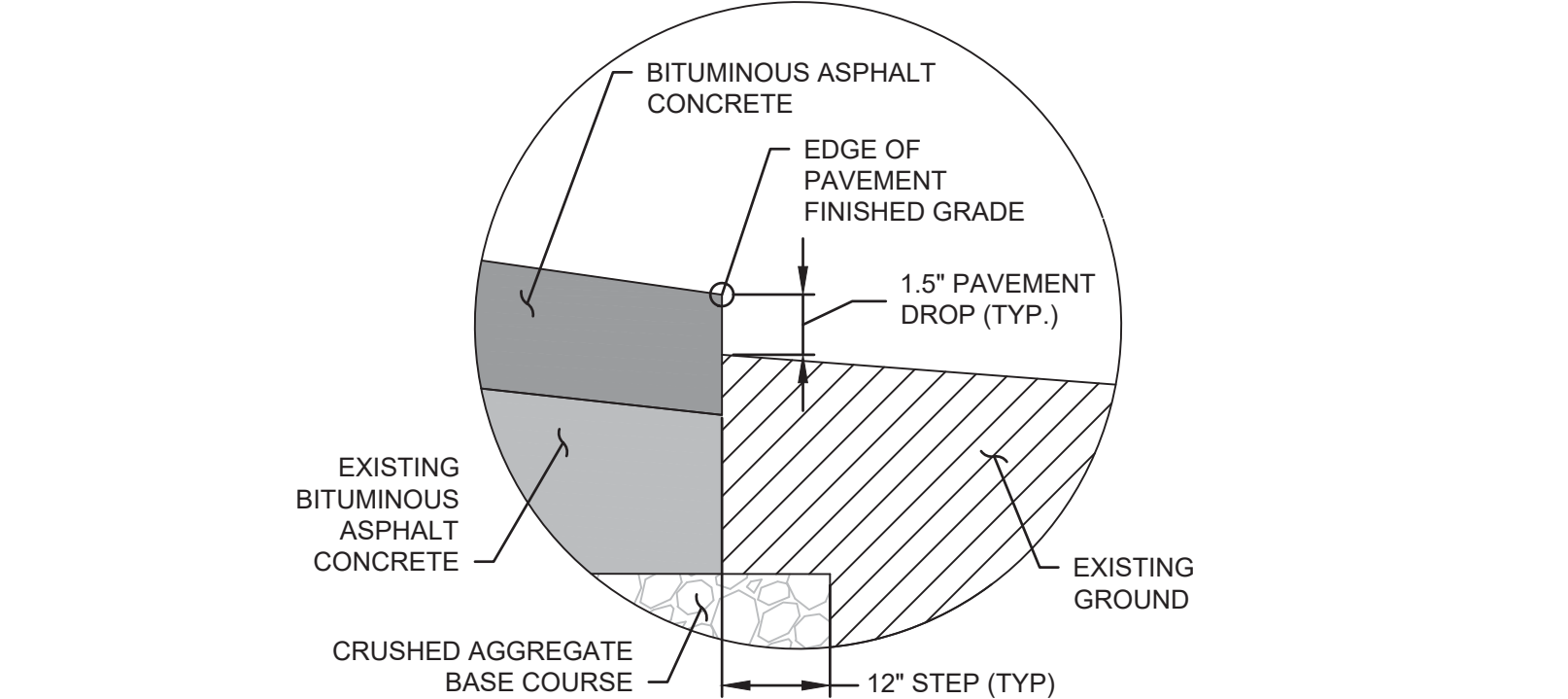
TYPICAL 5' CONCRETE SIDEWALK SECTION
NOT TO SCALE

PAVING NOTES

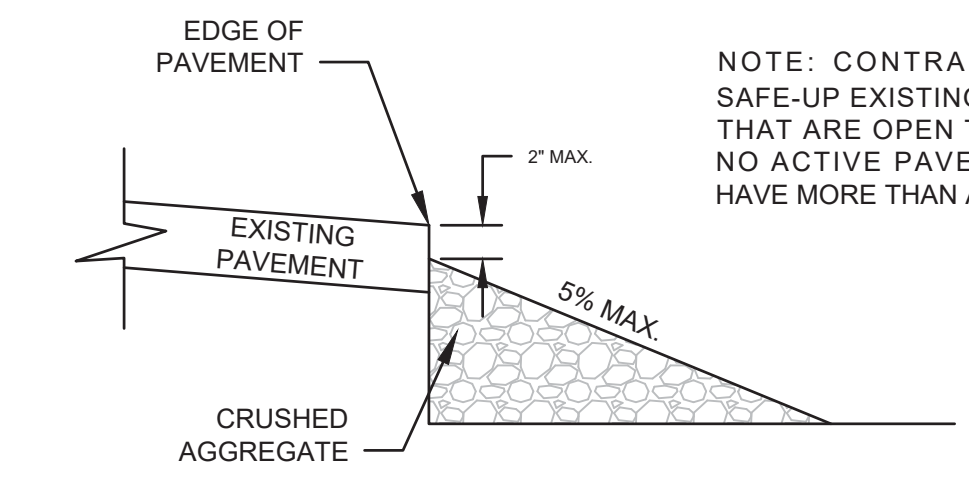
1. THE CONTRACTOR IS REQUIRED TO SUBMIT A DETAILED PAVING PLAN REFLECTING PROPOSED LIFT THICKNESS, TRANSVERSE JOINT LAYOUTS, AND LONGITUDINAL JOINT LAYOUTS. A MINIMUM OF 30 DAYS PRIOR TO PAVING, THE CONTRACTOR SHALL ATTEND A PRE-PAVING CONFERENCE CONDUCTED BY THE ENGINEER PRIOR TO THE START OF PAVING OPERATIONS. THE PAVING FOREMAN SHALL BE PRESENT AT THE CONFERENCE. THE CONTRACTOR SHALL BE PREPARED TO DISCUSS HIS PROPOSED LAYDOWN/PAVING PLAN.
2. THE CONTRACTOR SHALL PAVE TO ELEVATIONS PROVIDED ON THE CONCRETE APRON AND TAXIWAY JOINT LAYOUT. SEE SHEET C12 TO ENSURE FULL COMPLIANCE. IN ADDITION, THE AWARDED CONTRACTOR WILL RECEIVE A DIGITAL FILE WITH THE SPOT ELEVATIONS.
3. TACK COAT SHALL BE APPLIED BETWEEN EACH LIFT OF NCDOT 610, AS DESCRIBED IN NCDOT 605.
4. THE CONTRACTOR SHALL CONSTRUCT A TEST STRIP PER NCDOT 610 SPECIFICATION AND THE ENGINEER SHALL REVIEW THE RESULTS OF THE TEST STRIP WITHIN 24 HOURS OF RECEIPT OF THE RESULTS FROM THE TESTING LABORATORY. NO FULL PRODUCTION SHALL BE STARTED BEFORE APPROVAL BY THE ENGINEER OF PASSING TEST STRIP.
5. LONGITUDINAL JOINTS WHICH ARE IRREGULAR, DAMAGED, UNCOMPACTED, OR OTHERWISE DEFECTIVE OR WHICH HAVE BEEN EXPOSED FOR MORE THAN 4 HOURS, OR WHOSE SURFACE TEMPERATURE HAS COOLED TO LESS THAN 160° F SHALL BE CUT BACK NO MORE THAN 12 INCHES TO EXPOSE A CLEAN, SOUND SURFACE FOR THE FULL DEPTH OF THE COURSE. THE LONGITUDINAL JOINT SHALL BE SAWCUT IF ANY, ALL, OR SOME COMBINATION(S) OF THE ABOVE CONDITIONS ARE PRESENT. ALL CONTACT SURFACES SHALL BE CLEANED AND DRY PRIOR AND GIVEN A TACK COAT OF BITUMINOUS MATERIAL PRIOR TO PLACING ANY FRESH MIXTURE AGAINST THE JOINT. THE COST OF THIS WORK AND TACK COAT SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE BITUMINOUS COURSE.
6. 25' PAVERS WILL NOT BE ALLOWED. A JOINT WILL BE CONSIDERED "COLD" IF MORE THAN THIRTY MINUTES ELAPSE BETWEEN PAVING. TRANSVERSE JOINT SHALL BE MINIMIZED BY THE CONTRACTOR.
7. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING VERTICAL AND HORIZONTAL CONTROL FOR THE PROJECT.
8. THE CONTRACTOR SHALL FIELD VERIFY TIE-IN LOCATIONS PRIOR TO PAVING OPERATIONS.
9. CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE SO THAT RUNOFF WILL DRAIN BY OVERLAND SHEET FLOW ACROSS NEW PAVEMENT AREAS TO NEW OR EXISTING DRAINAGE INLETS, EXISTING GRADES AND DRAINAGE PATTERNS SHALL BE MAINTAINED AFTER CONSTRUCTION UNLESS OTHERWISE SHOWN ON PLANS.
10. CONNECTIONS TO EXISTING PAVEMENT SHALL BE MADE BY SAW CUTTING A NEAT VERTICAL LINE TO MATCH EXISTING PAVEMENT ELEVATIONS. EDGE SHALL BE TACKED PRIOR TO PAVING.



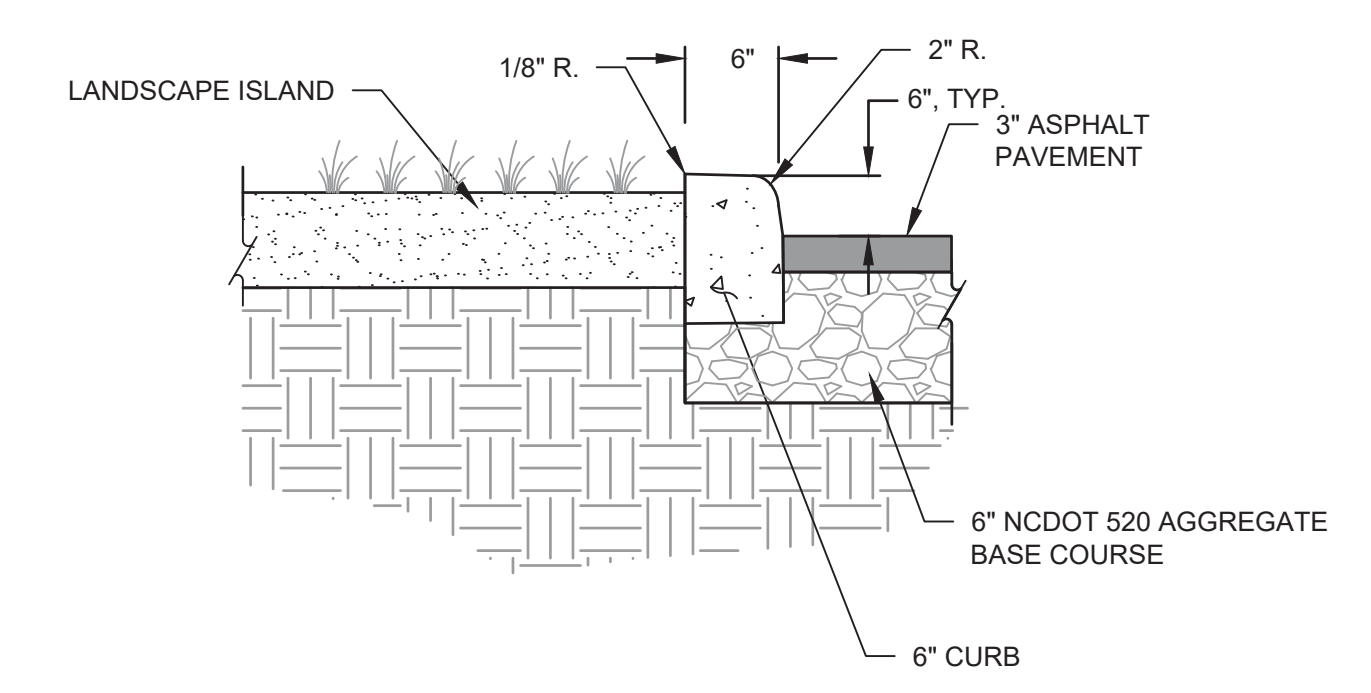
PAVEMENT TIE-IN DETAIL
NOT TO SCALE



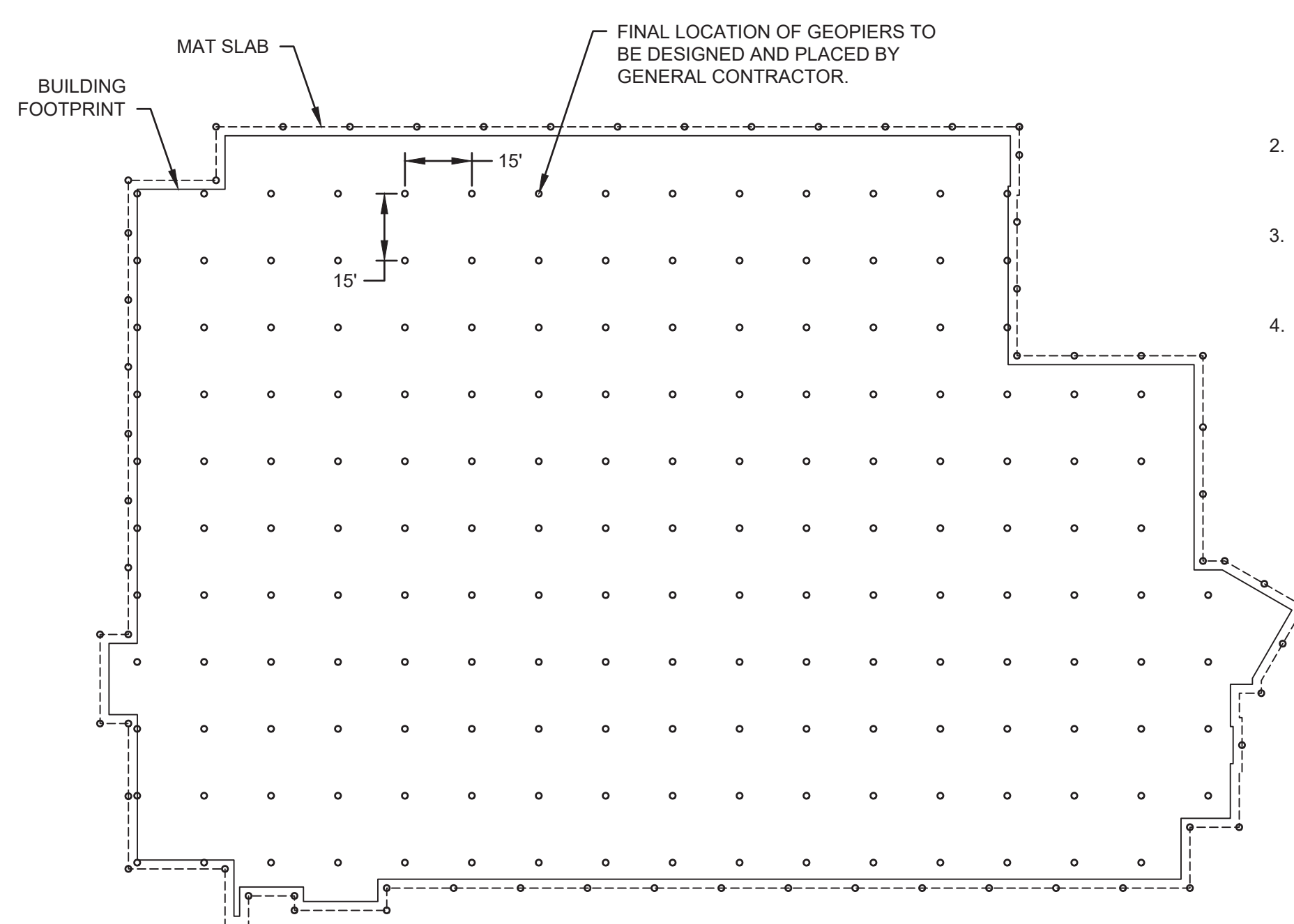
PROPOSED TYPICAL EDGE OF PAVEMENT DETAIL
NOT TO SCALE



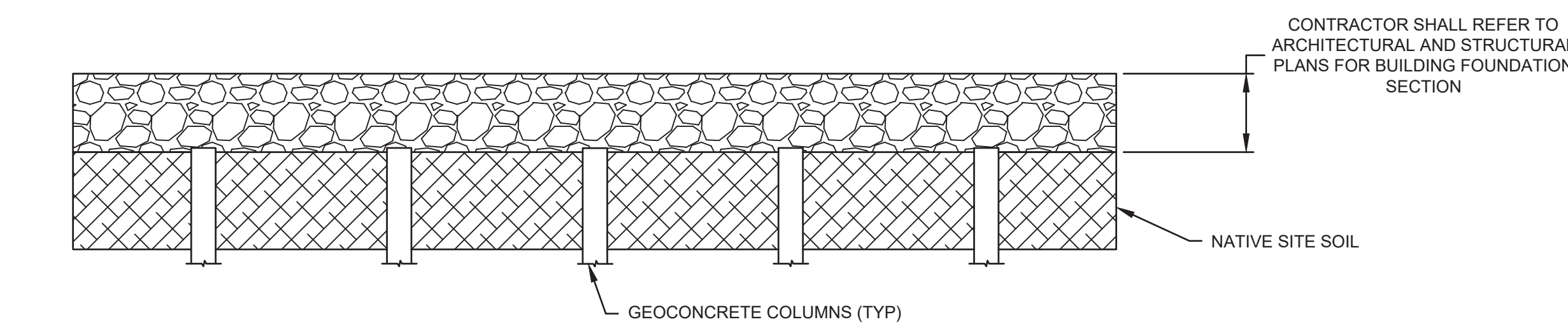
TEMPORARY SAFE-UP DETAIL
NOT TO SCALE



PARKING LOT ISLAND DETAIL
NOT TO SCALE



CONCEPTUAL GROUND IMPROVEMENT GEOCONCRETE COLUMN PLAN DETAIL
1" = 30' SCALE



CONCEPTUAL GROUND IMPROVEMENT GEOCONCRETE COLUMN SECTION DETAIL
NOT TO SCALE

NOTES

1. GROUND IMPROVEMENTS SHALL BE PERFORMED BY A SPECIALTY FOUNDATION CONTRACTOR AND SHALL UTILIZE THE GEOCONCRETE COLUMN SYSTEM AS PROPOSED BY THE CONTRACTOR.
2. THE FINAL DESIGN OF THE GEOCONCRETE SYSTEM SHALL BE BASED ON THE RECOMMENDATIONS PROVIDED BY THE GROUND IMPROVEMENT CONTRACTOR TO ACHIEVE A BEARING PRESSURE IN EXCESS OF 3,000 PSF.
3. THE NUMBER OF GEOCONCRETE COLUMNS AND THEIR LAYOUT SHALL BE DETERMINED BY THE GROUND IMPROVEMENT CONTRACTOR. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND DESIGN CALCULATIONS FOR REVIEW AND APPROVAL BY THE ENGINEER.

GCC NOTES

1. THE DETAILS HEREIN REPRESENT A PRELIMINARY DESIGN OF THE MAT SLAB. GROUND IMPROVEMENTS SHALL BE PERFORMED BY A SPECIALTY FOUNDATION CONTRACTOR AND SHALL UTILIZE THE GEOCONCRETE COLUMN (GCC) SYSTEM AS PROPOSED BY THE CONTRACTOR.
2. THE FINAL DESIGN OF THE MAT SLAB SHALL BE BASED ON THE RECOMMENDATIONS TO BE PROVIDED BY THE FOUNDATION CONTRACTOR.
3. THE NUMBER OF GEOCONCRETE COLUMNS AND THEIR LAYOUT SHALL BE DETERMINED BY THE FOUNDATION CONTRACTOR.
4. THE FOUNDATION CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND DESIGN CALCULATIONS FOR REVIEW AND APPROVAL BY THE ENGINEER.

MATERIALS KEYING LEGEND

GENERAL NOTES

KEY PLAN

SCO ID # 22-25364-02A

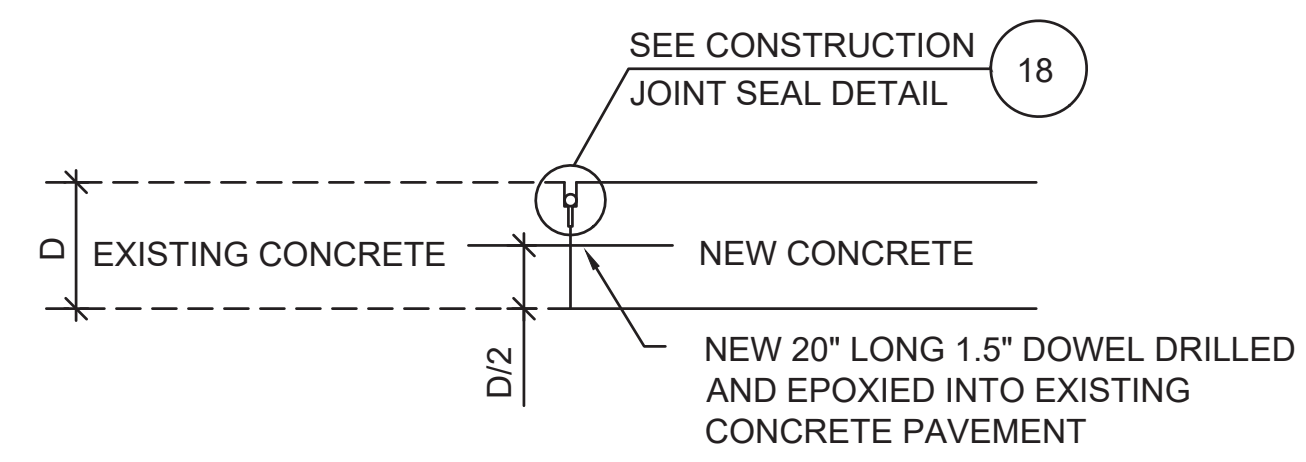
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TYPICAL PAVEMENT SECTION NOTES AND DETAILS

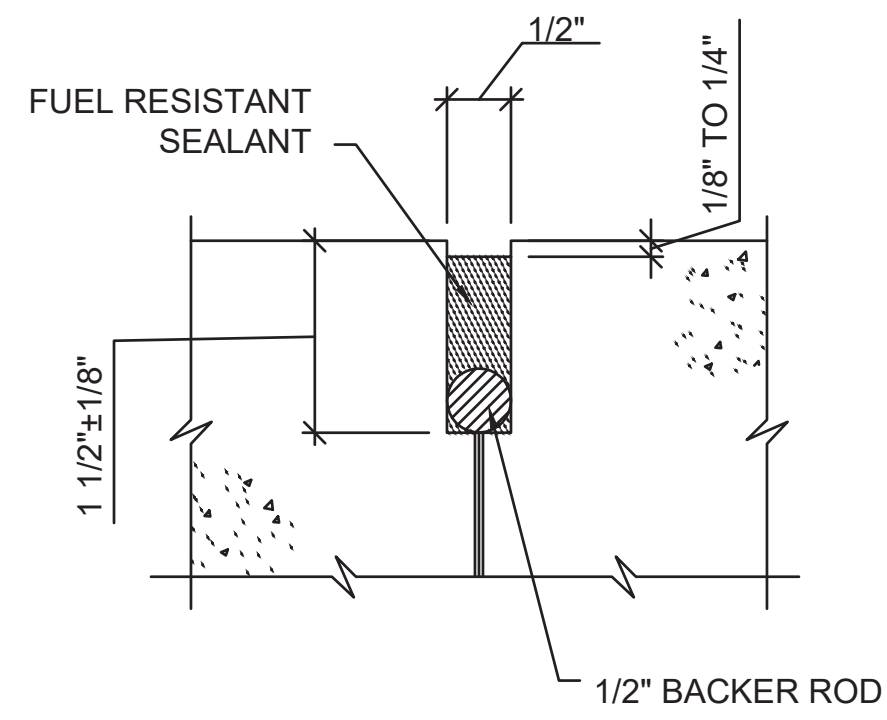
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 AVCON, INC.
 ENGINEERS & PLANNERS
 6230 CAROLINA BEACH ROAD
 WILMINGTON, NC 28412
 OFFICE: (704) 954-9008
 www.avconinc.com
 AVCON STATE LICENSE NO. NC-0-8860
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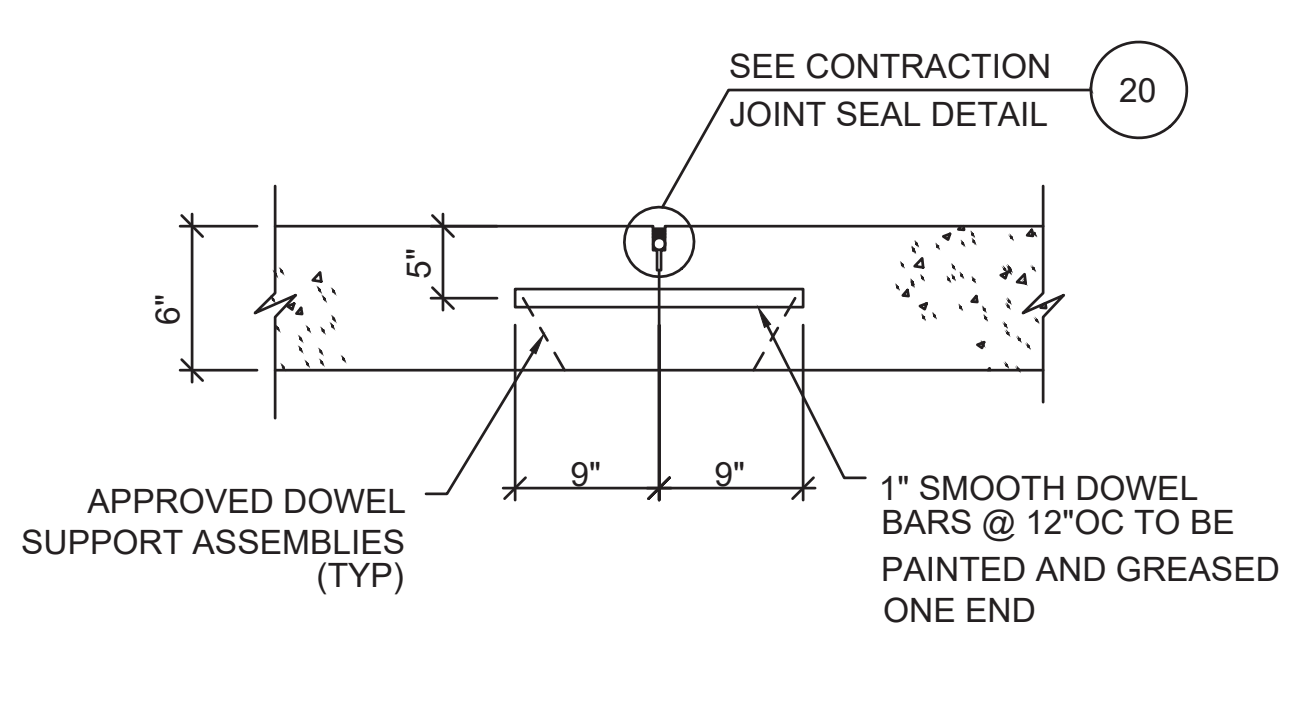


18 CONSTRUCTION JOINT SEAL NTS

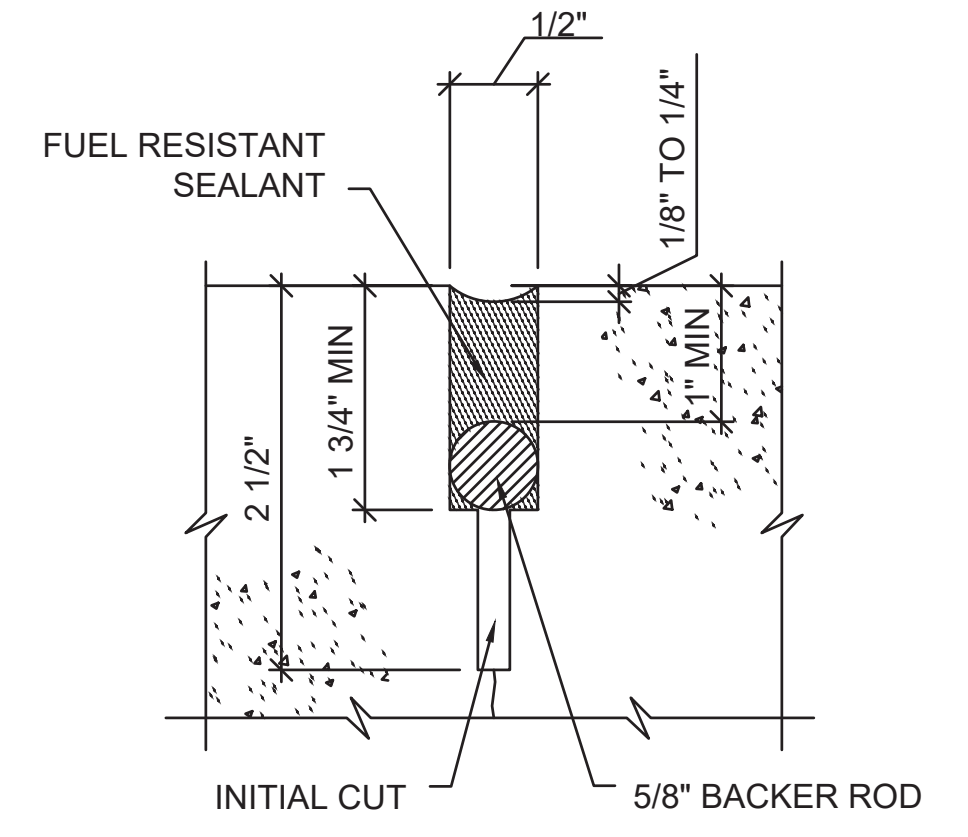
- NOTES FOR DOWEL AND TIE BAR HOLE DRILLING AND INSTALLATION:
- MAINTAIN DRILL HOLES AND EMBEDDED BARS: (A) PARALLEL TO THE CONCRETE SURFACE, AND (B) NORMAL TO THE JOINT LINE, WITHIN 1/4" AT THE END OF THE DOWEL OR TIE BAR EXCEPT WHERE SPECIFIED OTHERWISE. DRILL HOLES SHALL BE ACCURATELY LAID OUT SO THAT THE MAXIMUM DEVIATION DOES NOT EXCEED 1". DRILL HOLE DIAMETER TO BE APPROXIMATELY 1/8" CLEAR OF BAR ALL AROUND.
 - PRIOR TO INSTALLATION OF THE DOWEL OR TIE BARS, THE HOLES SHALL BE THOROUGHLY CLEANED TO REMOVE DUST, CONCRETE CHIPS, AND ANY MATERIAL DETRIMENTAL TO THE BONDING.
 - SUFFICIENT EPOXY GEL SHALL BE APPLIED TO THE DOWEL AND INJECTED IN THE BACK OF THE TIE BAR HOLE BY A MECHANICAL MIXING/PUMP DEVICE SO THAT A SLIGHT AMOUNT OF GEL WILL BE FORCED OUT WHEN THE DOWEL OR TIE BAR IS INSERTED AND TAPPED TO THE CORRECT POSITION. TWIST THE BAR BACK AND FORTH SEVERAL TIMES TO ELIMINATE THE AIR ENTRAPPED IN THE HOLE. SMALL WEDGES MAY BE USED TO SUPPORT THE DOWEL OR TIE BAR IN CORRECT ALIGNMENT UNTIL THE GEL HARDENS.
 - EPOXY SHALL MEET THE DEPARTMENT OF TRANSPORTATION STANDARD FOR TYPE III EPOXY GEL.



19 CONTRACTION JOINT SEAL NTS

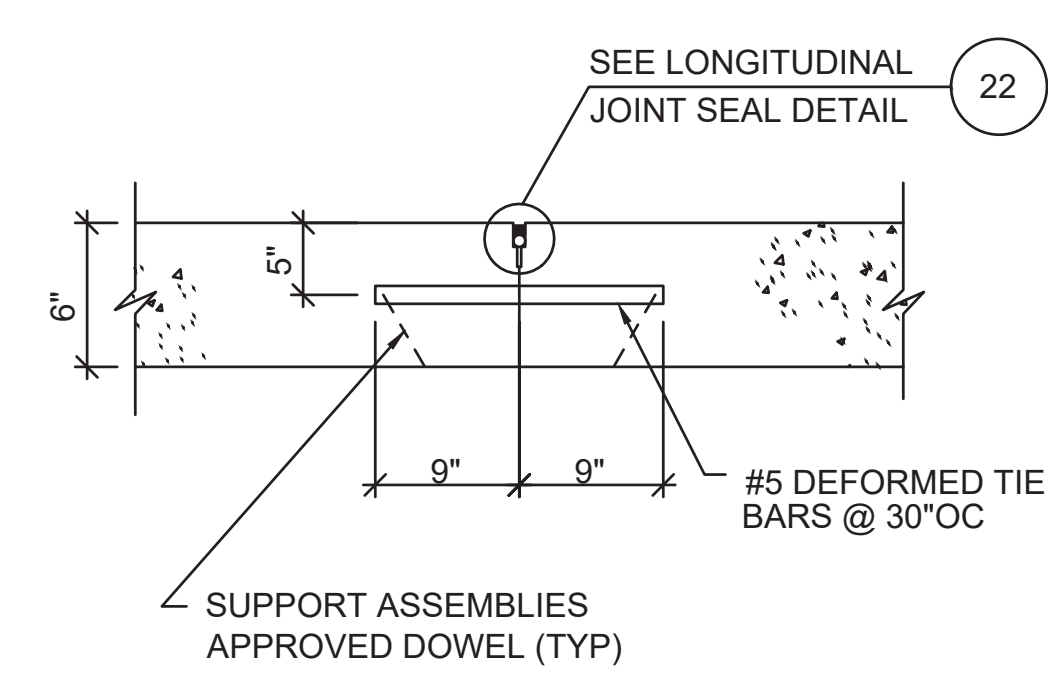


20 CONTRACTION JOINT SEAL NTS

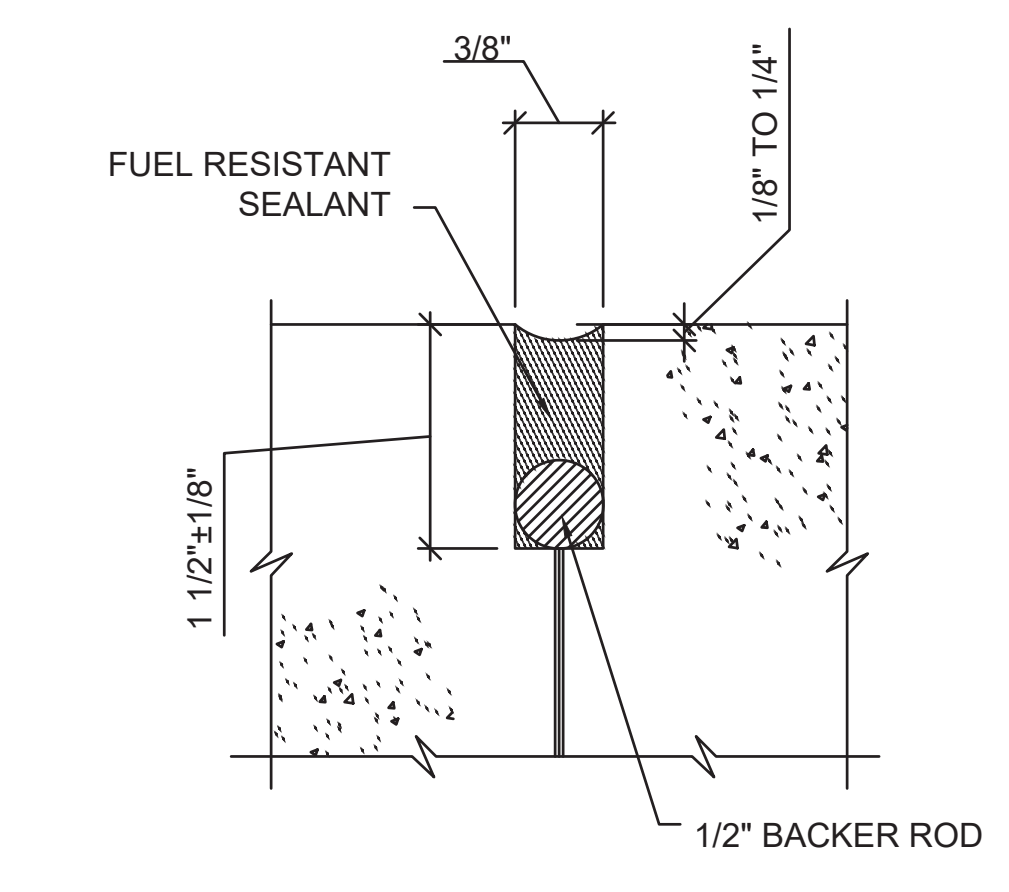


21 THICKENED EDGE EXPANSION JOINT SEAL NTS

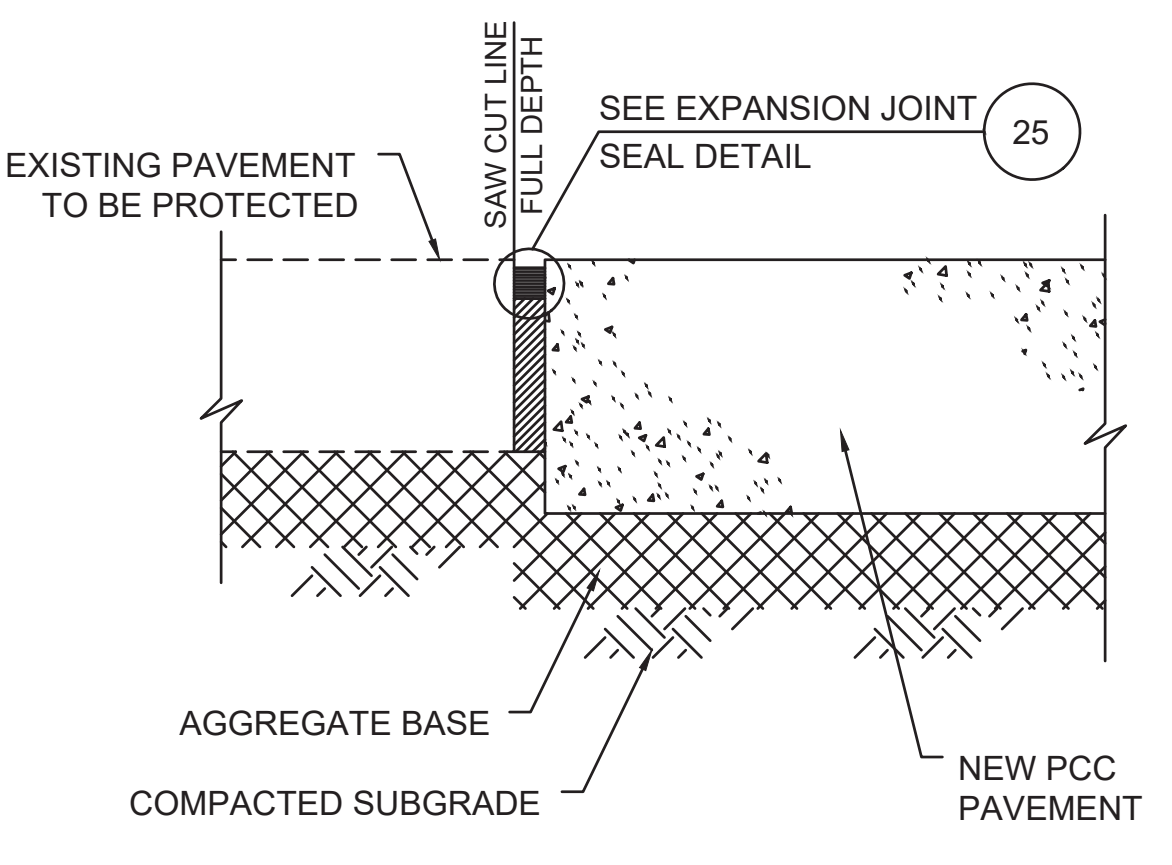
17 NEW / EXISTING CONSTRUCTION JOINT NTS



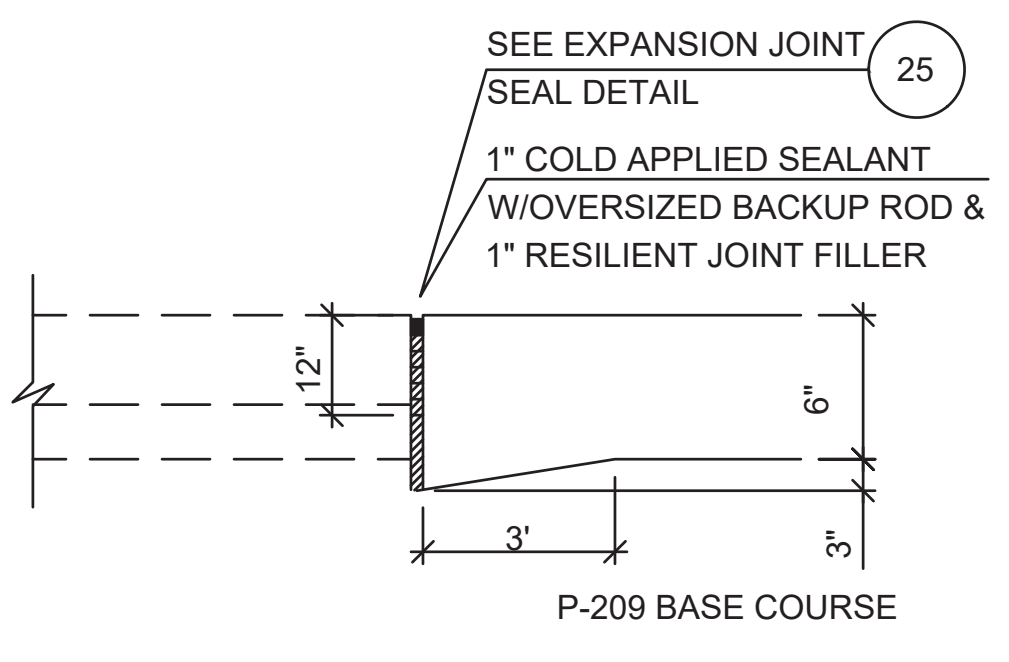
22 LONGITUDINAL/TIED JOINT SEAL NTS



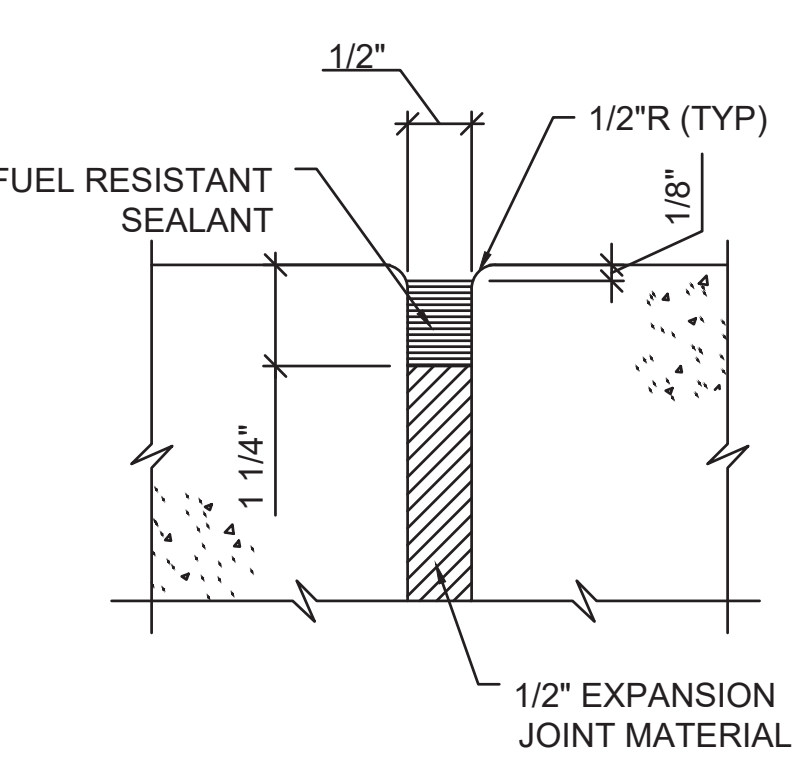
23 EXPANSION JOINT SEAL NTS



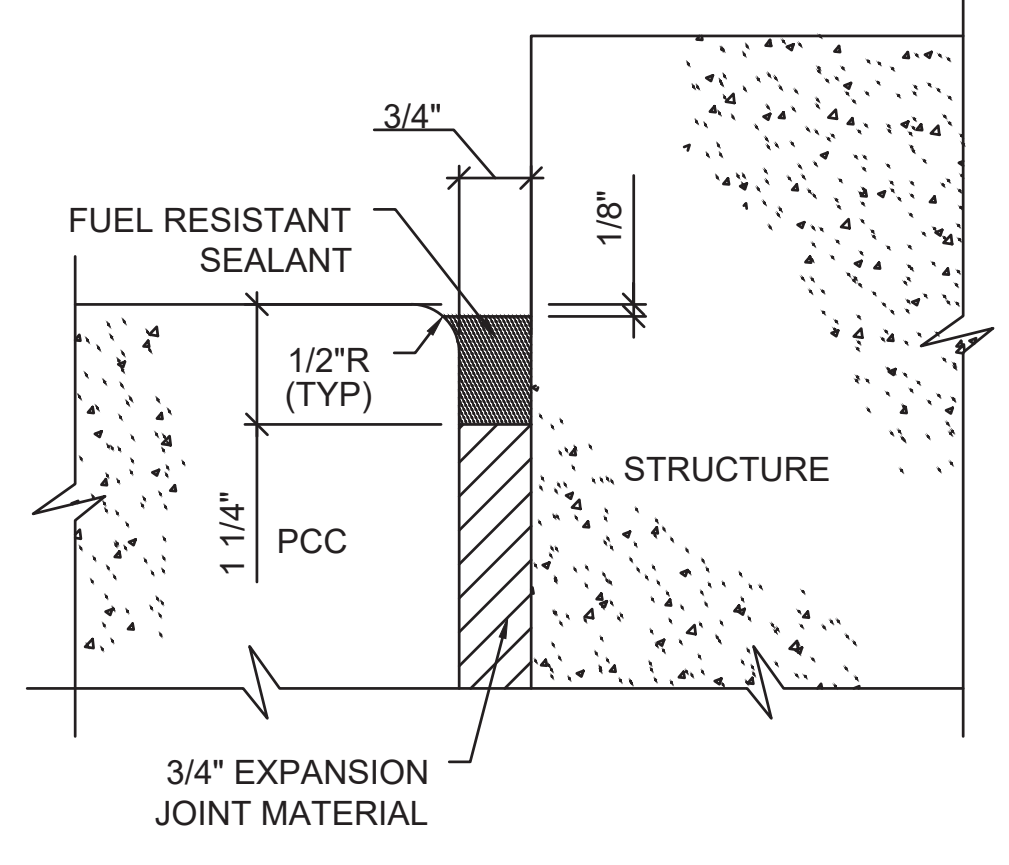
24 TYPICAL CONCRETE PAVEMENT SECTION NTS



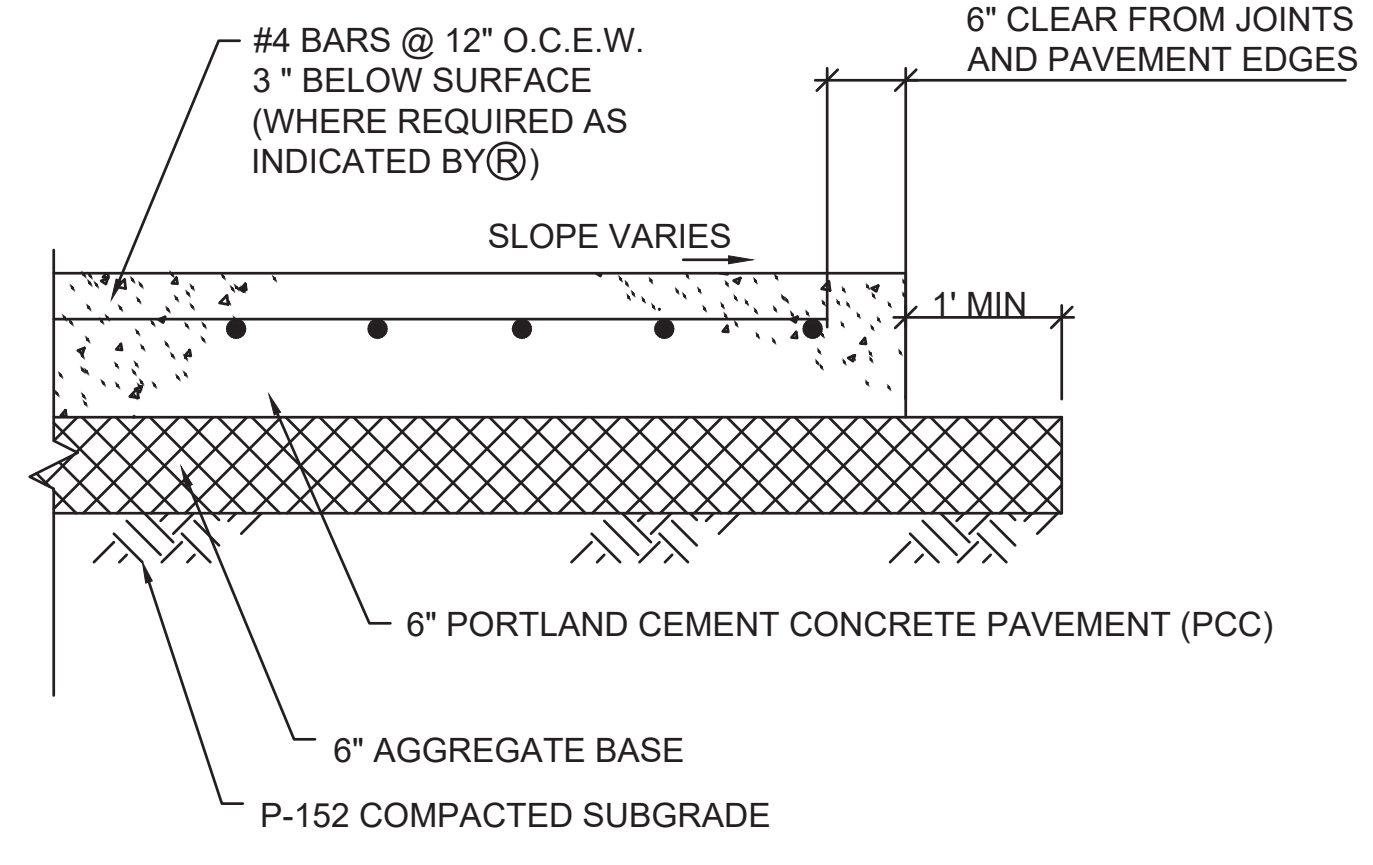
25 RIGID TO FLEXIBLE PAVEMENT CONNECTION NTS



26 ISOLATION JOINT SEAL NTS



27 TYPICAL CONCRETE PAVEMENT SECTION NTS



28 RIGID TO FLEXIBLE PAVEMENT CONNECTION NTS

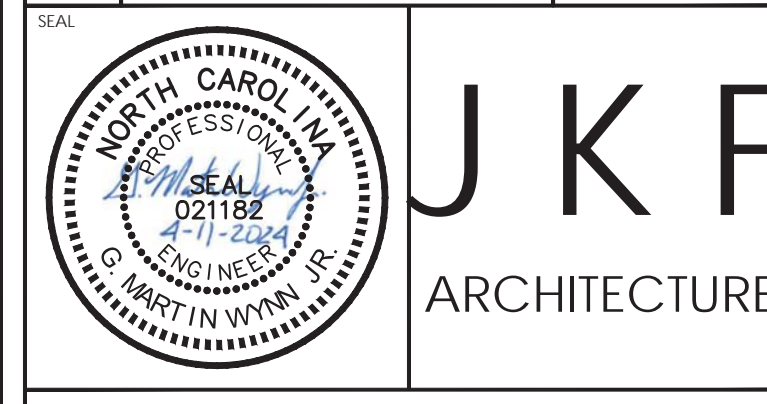
MATERIALS KEYING LEGEND

GENERAL NOTES

KEY PLAN

SCO ID # 22-25364-02A

NO	REVISION	DATE

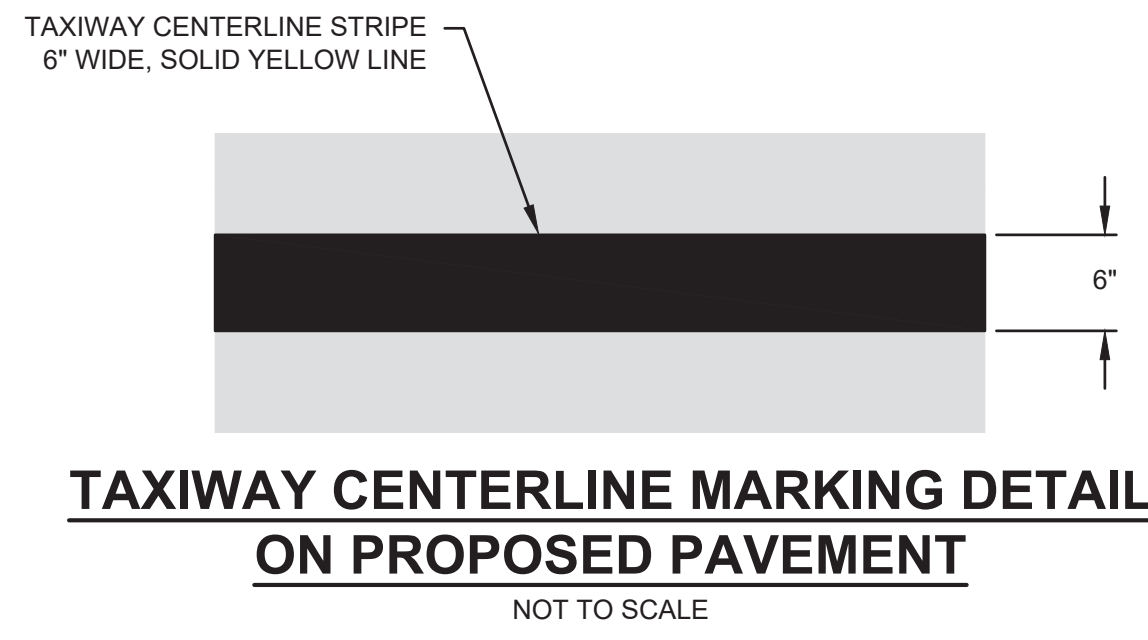


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CONCRETE APRON AND TAXIWAY PAVEMENT NOTES AND DETAILS

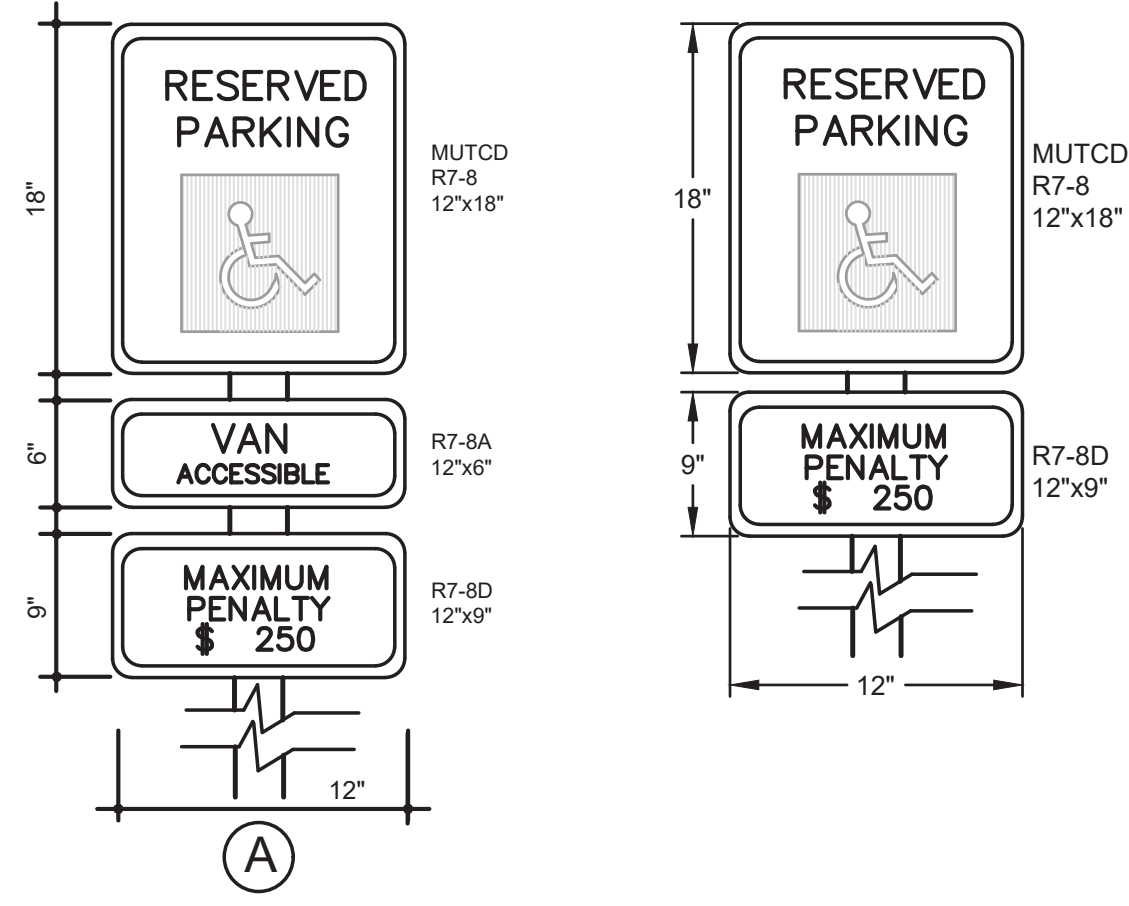
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MARKING NOTES

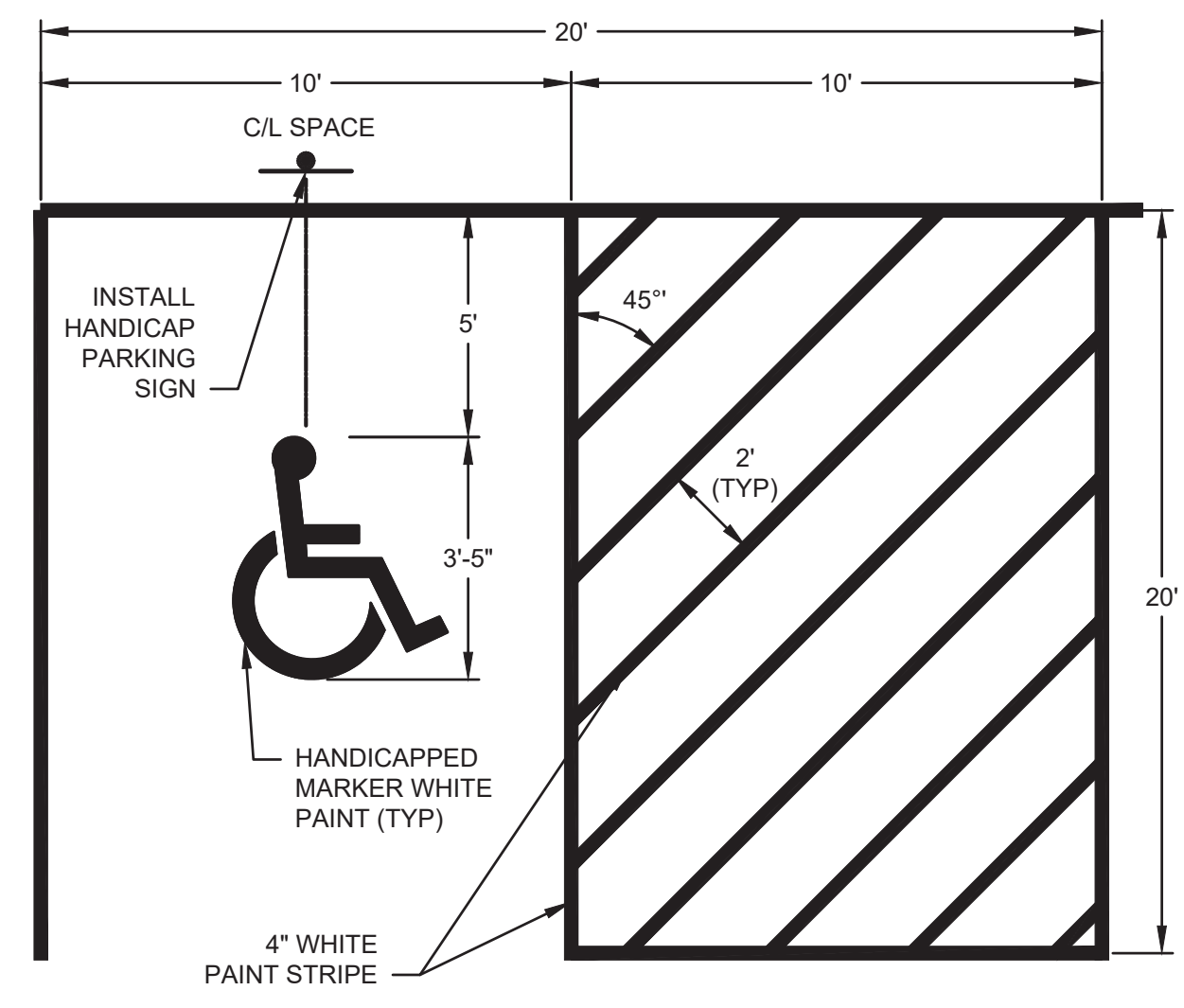
- SEE SHEET C1.1 FOR GEOMETRIC, PAVING AND MARKING LAYOUT.
- CONTRACTOR SHALL CLEAN ANY DEBRIS AND SOIL FROM PAVEMENTS TO BE MARKED IMMEDIATELY PRIOR TO MARKING LAYOUT AND MARKING. IF WATER IS TO BE USED TO CLEAN THE PAVEMENT, THE PAVEMENT MUST BE DRY PRIOR TO MARKING LAYOUT AND MARKING.
- THE PROPOSED MARKINGS, TEMPORARY AND PERMANENT, SHALL BE LAID OUT IN ADVANCE OF THE MARKING APPLICATION. THE MARKING LAYOUT SHALL BE APPROVED BY THE AIRPORT AND ENGINEER PRIOR TO MARKING. ANY DEVIATIONS IN THE MARKING LAYOUT SHALL BE RESOLVED PRIOR TO MARKING. A REGISTERED SURVEYOR SHALL LAYOUT ALL PAVEMENT MARKINGS. COST FOR LAYOUT SHALL BE INCIDENTAL TO CONTRACT ITEM S-104 "PROJECT SURVEY AND STAKEOUT".
- ALL MARKING EQUIPMENT SHALL BE CALIBRATED IN THE PRESENCE OF THE AIRPORT AND ENGINEER PRIOR TO MARKING EACH DAY. THE CALIBRATION SHALL ENSURE CONSISTENCY IN THE MARKING AND BEAD RATE APPLICATIONS. ANY MARKING EQUIPMENT USED FOR THE PROJECT SHALL BE ADEQUATE TO COMPLETE THE WORK PER THE CONTRACT DOCUMENTS. AT ANY TIME, THE AIRPORT AND ENGINEER MAY DIRECT THE CONTRACTOR TO SUPPLY ADDITIONAL OR SUPPLEMENTAL EQUIPMENT TO COMPLETE THE WORK IF IT IS SHOWN THE EQUIPMENT BEING USED IS NOT ADEQUATE TO COMPLETE THE WORK PER THE CONTRACT DOCUMENTS. ANY ADDITIONAL OR SUPPLEMENTAL EQUIPMENT REQUIRED WILL BE SUPPLIED AT NO ADDITIONAL COST TO THE AIRPORT.
- ANY DEVIATIONS IN THE MARKING FROM THE APPROVED MARKING PLAN SHALL BE REPAIRED AT NO COST TO THE AIRPORT. THE CONTRACTOR SHALL FOLLOW THE REPAIR METHOD DIRECTED BY THE AIRPORT AND ENGINEER.
- CONTRACTOR SHALL PROTECT ALL MARKINGS PLACED UNTIL THE PAVEMENT HAS BEEN TURNED OVER TO THE AIRPORT. ANY DAMAGE TO PAVEMENT MARKINGS PRIOR TO TURN OVER TO THE AIRPORT SHALL BE REPAIRED AND REMARKED AT NO COST TO THE AIRPORT.
- MARKING AND MARKING REMOVAL SHALL BE COMPLETED PER ALL APPLICABLE MARKING PLANS.



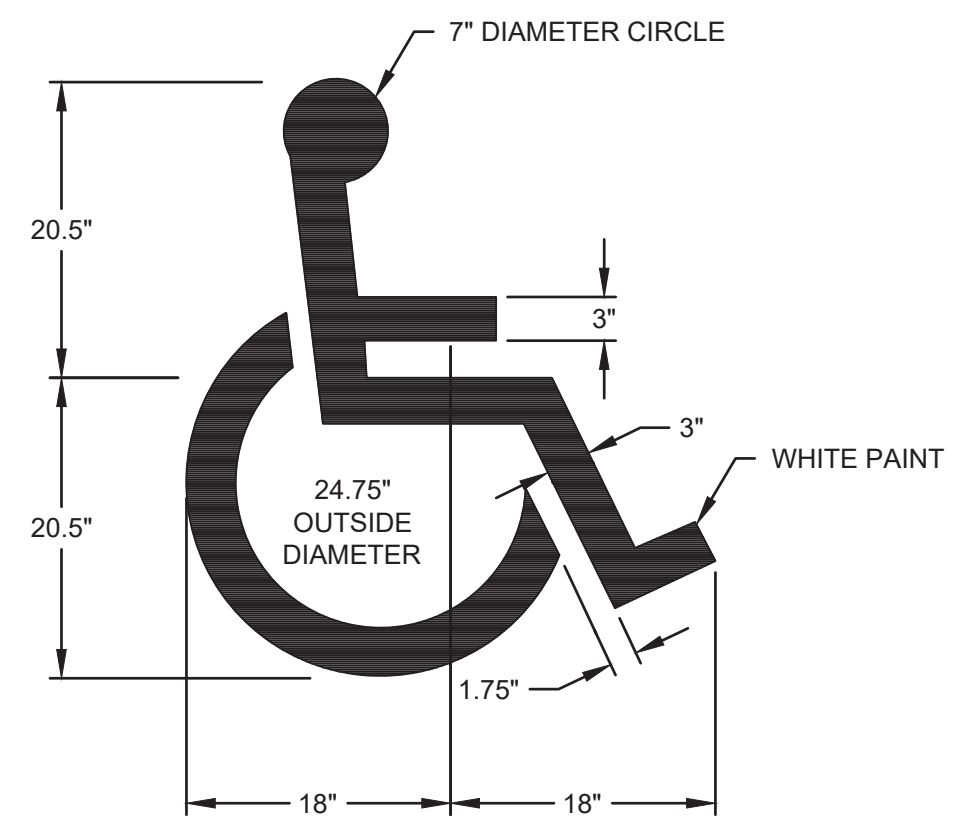
HANDICAP PARKING SIGNS

HANDICAP PARKING SIGN NOTES

- ALL 12"x18" ACCESSIBLE SIGNS (R7-8 & R7-1) SHALL BE MOUNTED AT 7 FEET FROM GRADE TO BOTTOM EDGE OF SIGN FACE (MUTCD). MOUNTING HEIGHT CAN BE REDUCED TO 5 FEET IF PLACED IN AN AREA BETWEEN SIDEWALK AND BUILDING FACE IN WHICH PEDESTRIANS ARE NOT EXPECTED TO USE.
- REFER TO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, (MUTCD) U.S. DEPARTMENT OF TRANSPORTATION AND NORTH CAROLINA DEPARTMENT OF TRANSPORTATION SUPPLEMENT.
- IF ACCESSIBLE ROUTE IS A RAISED SIDEWALK AREA, THEN RAMPS ARE REQUIRED AT LOADING ZONE AREA.
- SIGN: R7-8 (WITH ARROW) METAL LEGEND/BORDER-GREEN; WHITE SYMBOL ON BLUE BACKGROUND; BACKGROUND-WHITE. SIGN TO MEET CITY STANDARDS.
- VAN ACCESSIBLE SIGN BELOW (METAL) 3/8" WHITE BORDER WITH 3/8" GREEN BORDER; LEGEND IN GREEN; BACKGROUND WHITE. SIGN TO MEET LOCAL STANDARDS.
- PENALTY SIGN BELOW (METAL) 3/8" WHITE BORDER; BACKGROUND-BLUE; LEGEND IN WHITE. SIGN TO MEET LOCAL STANDARDS.
- PLACE SIGN ON POST WITH 7" MIN. CLEARANCE FROM BOTTOM OF SIGN TO FINISHED GRADE. POST MUST BE SET IN CONCRETE DIRECTLY BEHIND BACK OF CURB.
- USE A U-TYPE FLANGED STEEL SECTION FOR SIGN POST PAINTED WHITE AND ATTACHED WITH RUSTPROOF HARDWARE.



HANDICAPPED SPACE MARKING



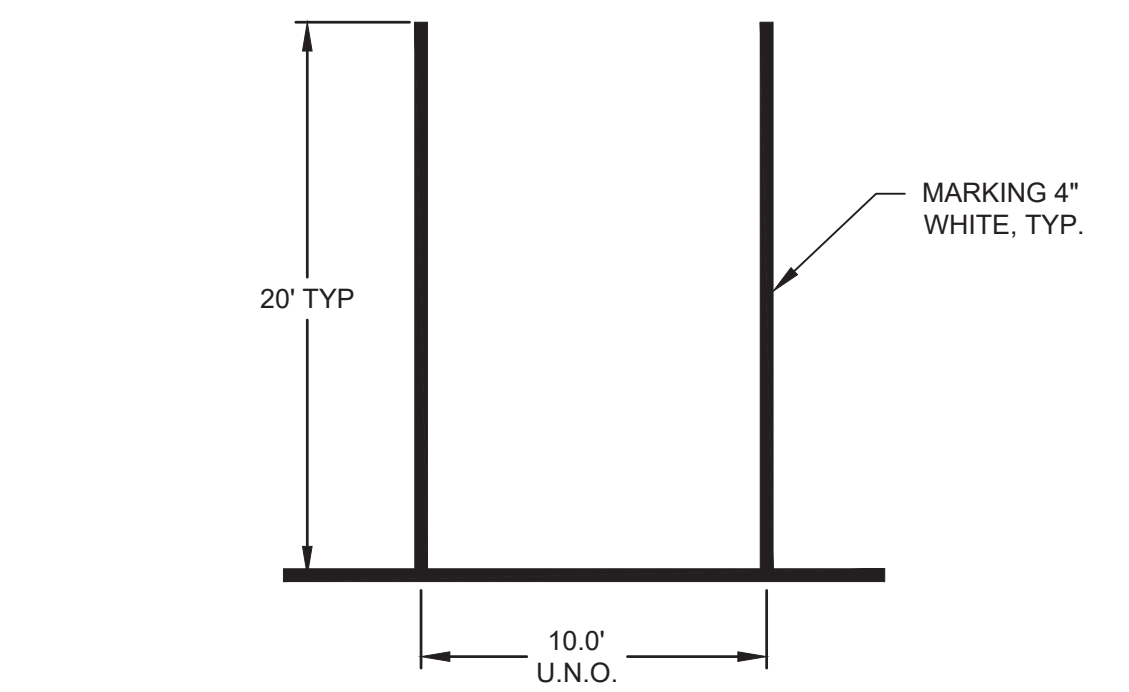
HANDICAP MARKING DETAIL

NOTES

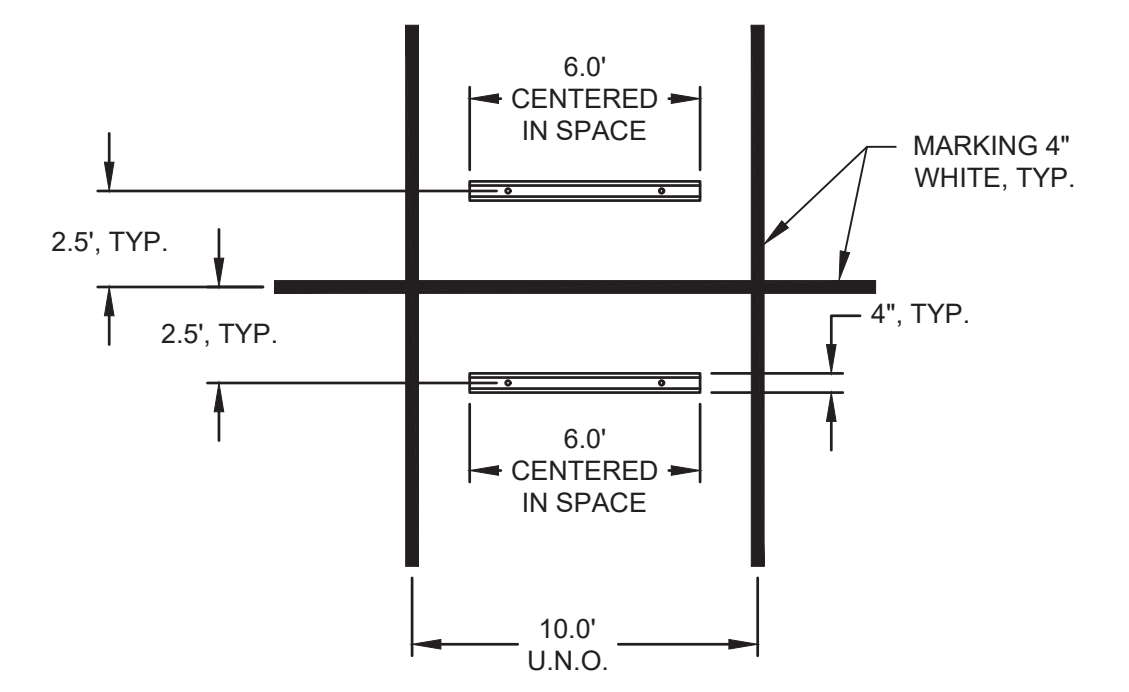
- LOCATE 6" WHEEL STOP ON THE CENTER LINE OF EACH PARKING SPACE.
- WHEEL STOP SHALL BE EITHER 2.5' FROM CENTERLINE OF MARKING, EDGE OF PAVEMENT OR BACK OF CURB.

CONTINUOUS LINES	10'-30'/SP SKIP LINE	2'-6'/SP MINI-SKIP LINE	3'-3'/SP MINI-SKIP LINE	3'-9'/SP MINI-SKIP LINE
<p>EDGE LINE YELLOW OR WHITE 4" / 6"</p> <p>LANE LINE WHITE 4" / 6"</p> <p>CENTER LINE YELLOW 4" / 6"</p> <p>GORE LINE WHITE 8" / 12"</p> <p>DIAGONAL LINE YELLOW OR WHITE 12" 45 MPH OR HIGHER 8" LESS THAN 45 MPH</p> <p>CROSSWALK LINE WHITE 8" TRANSVERSE 24" LONGITUDINAL</p> <p>RxR LINE WHITE 16"</p> <p>STOP OR TRANSVERSE BAR WHITE 24"</p>	<p>UNLESS OTHERWISE SHOWN, USE 10'-30'/SP SKIPS FOR SKIP LANE LINES AND SKIP CENTER LINES.</p> <p>10' 30' 4" / 6"</p>	<p>UNLESS OTHERWISE SHOWN, USE 2'-6'/SP MINI-SKIPS FOR LANE LINE EXTENSIONS THROUGH INTERSECTIONS, EDGE LINE EXTENSIONS THROUGH INTERSECTIONS AND MINI-SKIPS USED FOR BICYCLE LANE LINES.</p> <p>2' 6' 4" / 6"</p>	<p>UNLESS OTHERWISE SHOWN, USE 3'-3'/SP MINI-SKIPS FOR THE WHITE EDGE LINE EXTENSIONS AT ROUNDABOUTS.</p> <p>3' 3' 8" / 12"</p>	<p>UNLESS OTHERWISE SHOWN, USE 3'-9'/SP MINI-SKIPS FOR MINI-SKIP LANE LINES AND LINE EXTENSIONS THROUGH TAPERS.</p> <p>3' 9' 4" / 6"</p>
<p>GENERAL NOTES:</p> <ol style="list-style-type: none"> USE 6" LANE, EDGE, AND CENTER LINES ON ALL FULL CONTROL OF ACCESS FACILITIES AND OTHER ROUTES AS DIRECTED BY THE ENGINEER. LANE LINES INDICATED AS "WIDE" ON THE ROADWAY STANDARD DRAWINGS SHALL BE AT LEAST TWICE THE WIDTH OF THE NORMAL LINE. GORE LINES SHALL BE TWICE THE WIDTH OF THE NORMAL LINE. 				

ROADWAY MARKINGS
NOT TO SCALE



PARKING LOT TYPICAL PARKING SPACE MARKING STOP DETAIL
NOT TO SCALE



TYPICAL WHEEL STOP DETAIL
NOT TO SCALE

MATERIALS KEYING LEGEND

GENERAL NOTES

KEY PLAN

SCO ID # 22-25364-02A

NO.	REVISION	DATE

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N. C.

J K F
ARCHITECTURE

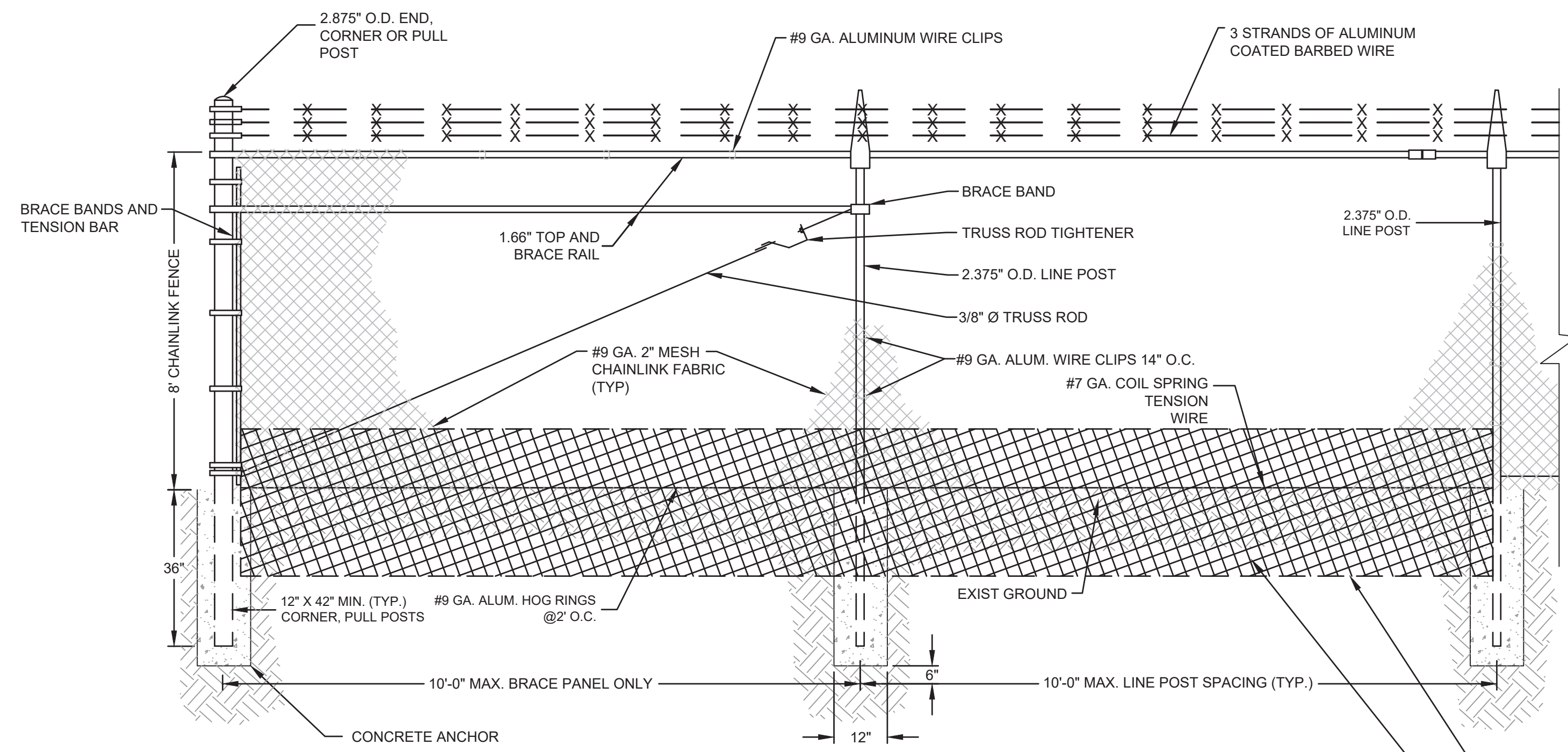
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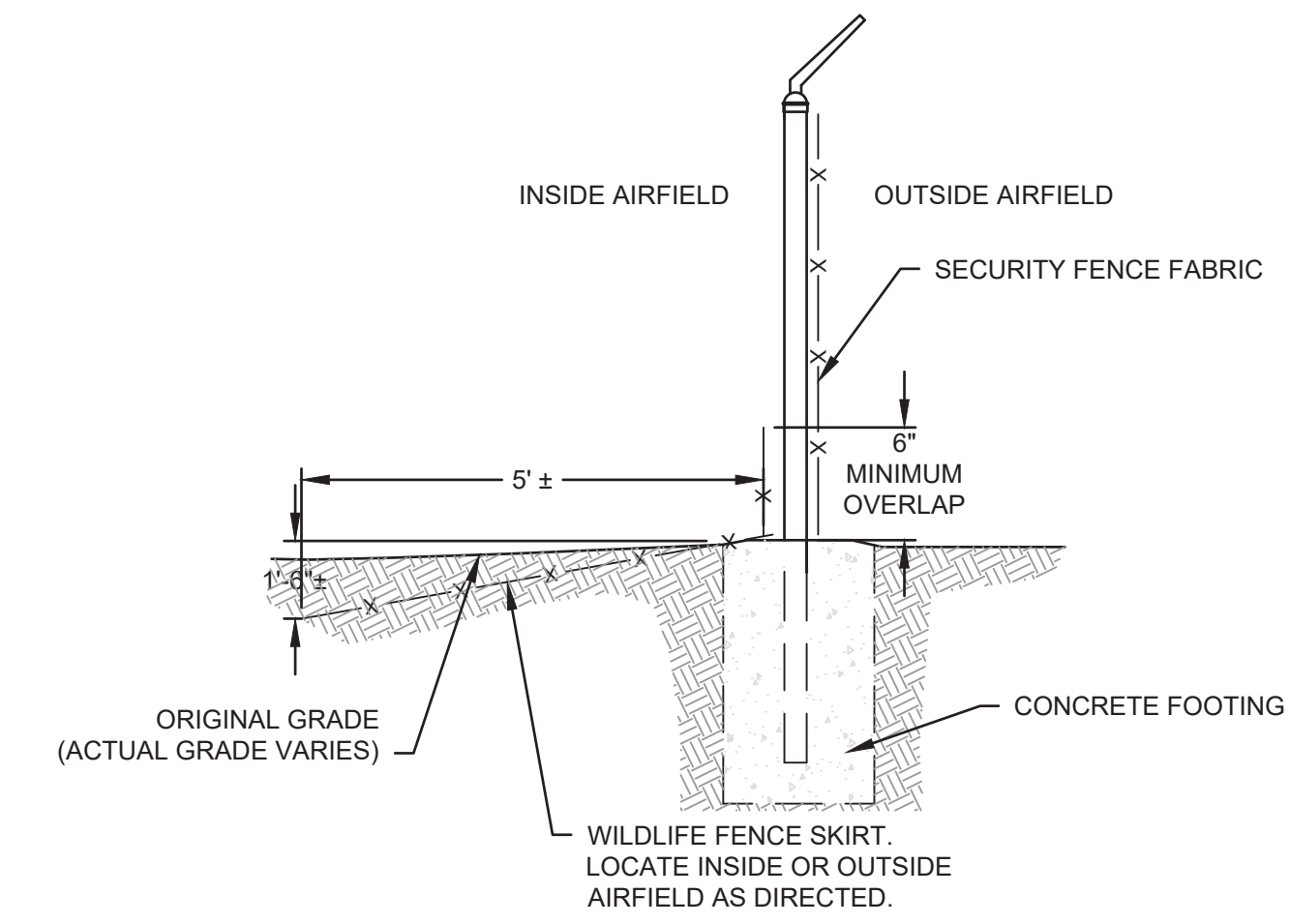
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PAVEMENT MARKING NOTES AND DETAILS

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AVCON, INC.
ENGINEERS & PLANNERS
6230 CAROLINA BEACH ROAD
WILMINGTON, NC 28412
OFFICE: (704) 954-9008
WWW.AVCON.COM
AVCON STATE LICENSE NO. NC-C-2860
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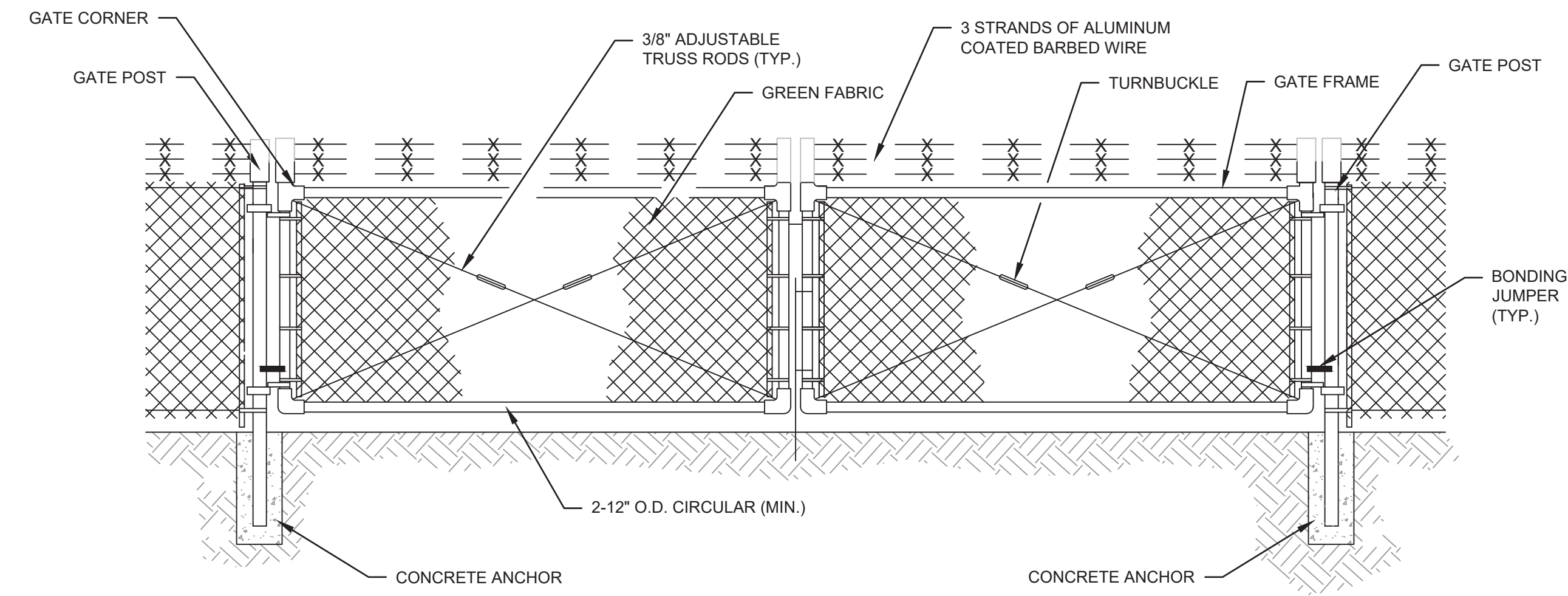


TYPICAL 8' HIGH CHAIN-LINK FENCE AND FABRIC INSTALLATION DETAIL
NOT TO SCALE



PROPOSED CHAIN-LINK FENCE WITH DETERRENT DETAIL
NOT TO SCALE

END JOINTS BETWEEN ADJACENT SECTIONS OF THE WIRE FABRIC SHALL BE LAPPED 4\"/>



FAA WARNING SIGN
NOT TO SCALE

FENCE AND GATE NOTES

1. ALL CONSTRUCTION METHODS AND EQUIPMENT EMPLOYED IN THE FENCE AND GATE WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE SPECIFICATIONS OF THE MANUFACTURER OF THE FENCE AND GATE MATERIALS BEING USED, AND SUCH THAT THE RESULTING STRUCTURE WILL PROVIDE THE EXPECTED SERVICE AND BE DURABLE AND COMPLETE IN EVERY DETAIL. THE INTENT OF THE CONTRACT IS TO PROVIDE FOR THE CONSTRUCTION AND COMPLETION OF EVERY DETAIL OF THE WORK DESCRIBED. DETAILS SHOWN IN THESE DRAWINGS INDICATE GENERAL INTENT. SPECIFIC MANUFACTURER DETAILS MAY VARY AND ARE SUBJECT TO ENGINEER'S APPROVAL.
2. NEW FENCE LOCATIONS MAY VARY DUE TO SITE CONDITIONS AND CONSTRAINTS IN ORDER TO AVOID CONFLICT WITH EXISTING UTILITIES, UNDESIRABLE TERRAIN AND STRUCTURES. EXISTING POST HOLES SHALL NOT BE REUSED. SHOULD SITE CONSTRAINTS REQUIRE PROPOSED FENCING TO BE LOCATED ALONG THE EXISTING FENCE ALIGNMENT, THE CONTRACTOR SHALL MAINTAIN AIRPORT SECURITY BY PROVIDING TEMPORARY OR PERMANENT FENCING AT ALL TIMES DURING CONSTRUCTION. NO OPENINGS IN THE FENCING SHALL BE ALLOWED WHILE AREA IS UNATTENDED. CONTRACTOR SHALL FLAG NEW FENCE ALIGNMENT AND GATE LOCATIONS AND OBTAIN APPROVAL FROM ENGINEER PRIOR TO CONSTRUCTION.
3. ALL MATERIALS USED FOR PERMANENT CONSTRUCTION SHALL BE NEW. USED MATERIALS ARE STRICTLY PROHIBITED UNLESS APPROVED BY THE ENGINEER PRIOR TO USE.
4. CONTRACTOR SHALL PROVIDE SITE GRADING ALONG PROPOSED FENCE LINE AND/OR BARB WIRE AT ALL DRAIN CROSSINGS OR DEPRESSIONS AS NECESSARY SUCH THAT BOTTOM OF CHAIN LINK FABRIC CLOSELY PARALLELS THE TERRAIN SO THAT THERE ARE NO GAPS LARGE ENOUGH FOR SMALL ANIMALS TO CRAWL UNDER. REFER TO DETAIL ON SHEET C-11.
5. WHERE BREAKS IN THE FENCE TOP ARE NECESSARY IN ROUGH TERRAIN, THEY SHALL BE MADE IN THE LEAST NUMBER OF INTERVALS AS PRACTICAL. BREAKS SHALL BE SPREAD OVER THE VERTICAL CURVES OF SUFFICIENT LENGTHS TO INSURE A PLEASING APPEARANCE.
6. WHEN BARBED WIRE AND ARMS ARE NOT REQUIRED, POSTS SHALL BE PROVIDED WITH STANDARD BARBED WIRE ARM BASES SO DESIGNED THAT BARBED WIRE ARMS AND BARBED WIRE MAY BE ADDED AT A LATER DATE IF DESIRED. THESE BASES SHALL BE SO DESIGNED THAT THE ARMS MAY BE ADDED (EITHER VERTICAL OR FACING EITHER WAY AT 45 DEGREE ANGLE) REQUIRING A MINIMUM AMOUNT OF ADDITIONAL WORK TO INSTALL.
7. THE CONTRACTOR SHALL INSTALL ALL POSTS IN CONCRETE. THE TOP OF THE CONCRETE SHALL BE CROWNED TO SHED WATER.
8. WIRE TIES, RAILS, POSTS AND BRACES SHALL BE CONSTRUCTED ON THE SECURE SIDE OF THE FENCE ALIGNMENT. CHAIN LINK FABRIC SHALL BE PLACED ON THE NON-SECURE SIDE OF THE FENCE ALIGNMENT.
9. REMOVAL HARDWARE (BOLTS, ETC.) SHALL BE PLACED ON THE SECURE SIDE OF THE FENCE ALIGNMENT.

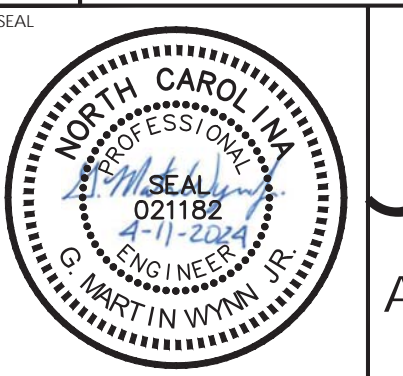
MATERIALS KEYING LEGEND

GENERAL NOTES

KEY PLAN

SCO ID # 22-25364-02A

NO	REVISION	DATE



JKF
ARCHITECTURE

625 LYNDALE CT., SUITE F, GREENVILLE, NC 27658 252.355.1048

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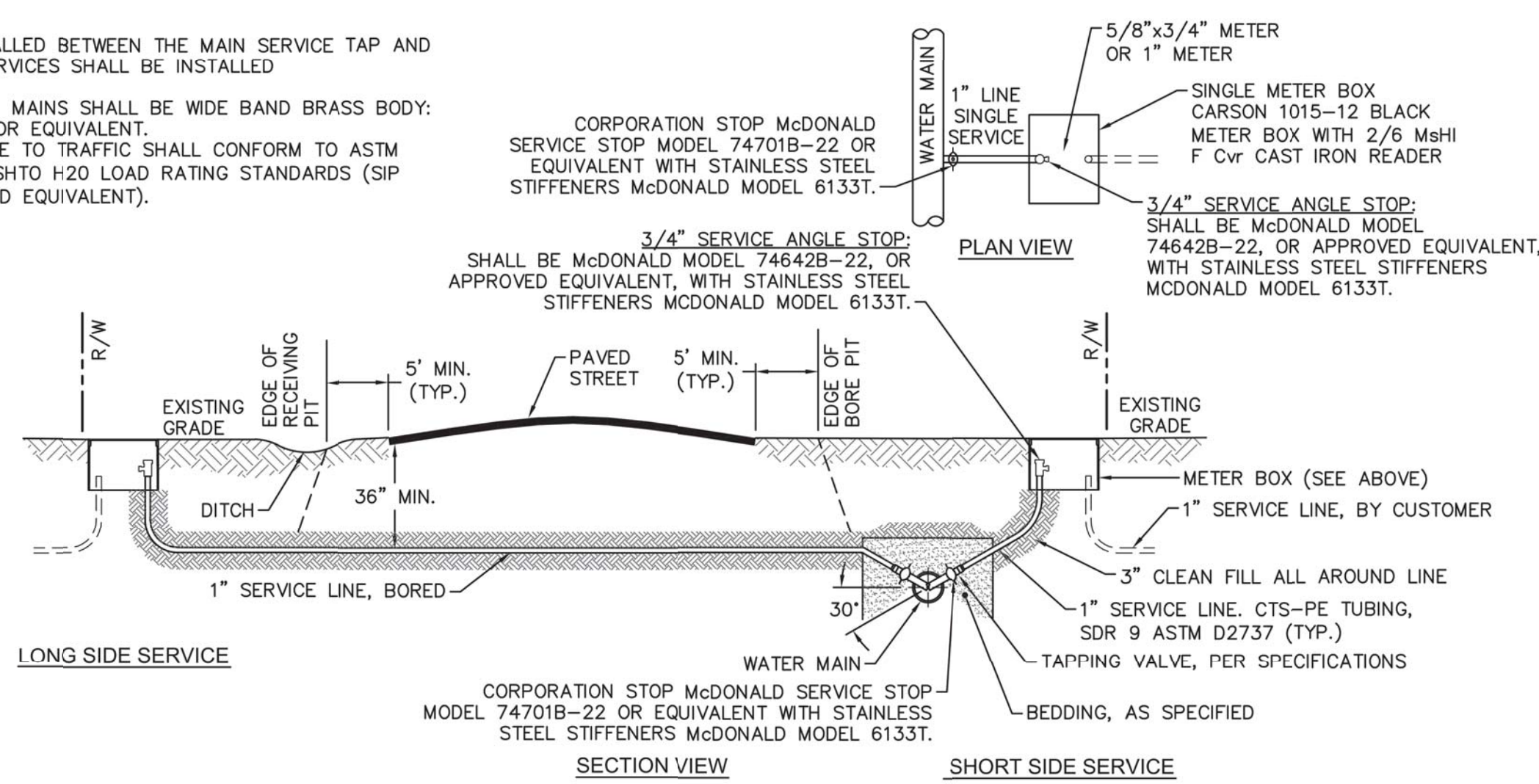
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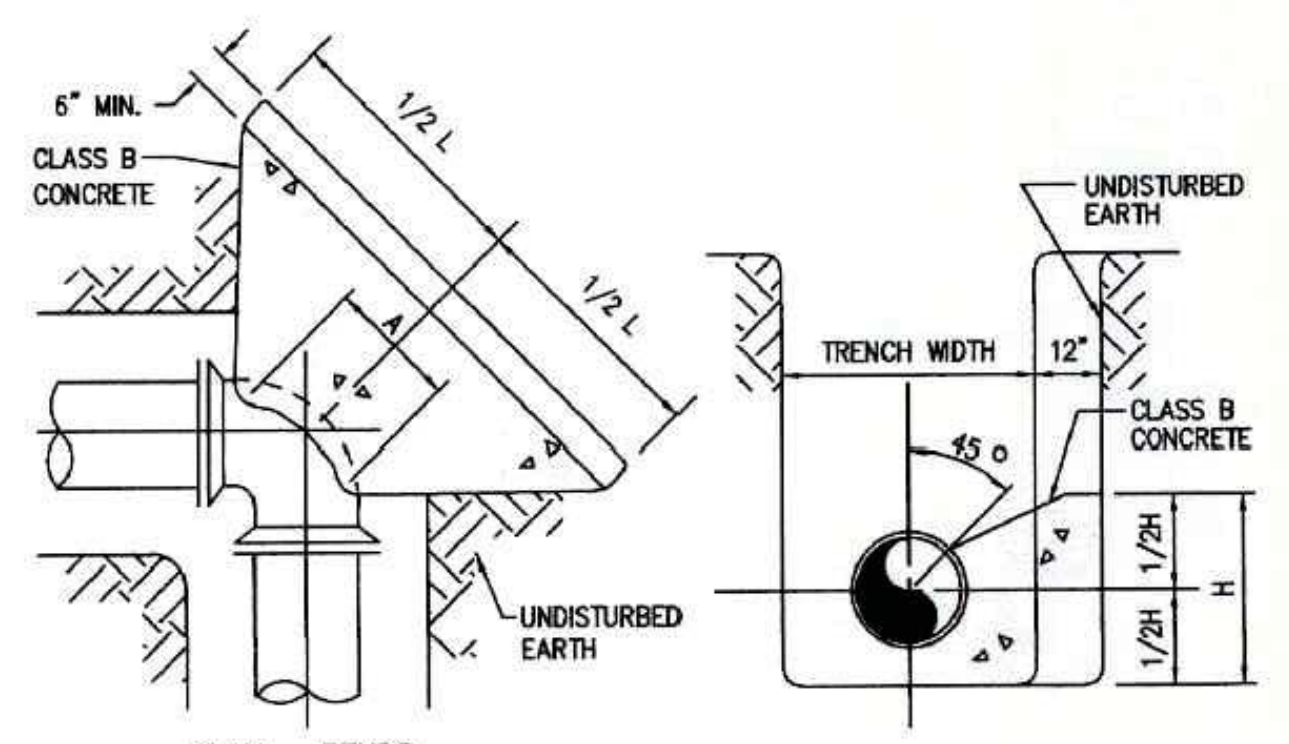
NOTES:

1. NO JOINT SHALL BE INSTALLED BETWEEN THE MAIN SERVICE TAP AND THE METER STOP. ALL SERVICES SHALL BE INSTALLED PERPENDICULAR TO MAIN.
2. SERVICE SADDLES ON PVC MAINS SHALL BE WIDE BAND BRASS BODY: SADDLE McDONALD 3801 OR EQUIVALENT.
3. METER BOXES SUSCEPTIBLE TO TRAFFIC SHALL CONFORM TO ASTM A48, CLASS 30B AND AASHTO H20 LOAD RATING STANDARDS (SIP MODEL 4240 OR APPROVED EQUIVALENT).



NOTE:
TYPICAL WATER SERVICE CONNECTION FOR RESIDENTIAL SINGLE FAMILY HOME ON CFPWA WATER SYSTEM

SINGLE SERVICE CONNECTION
NOT TO SCALE

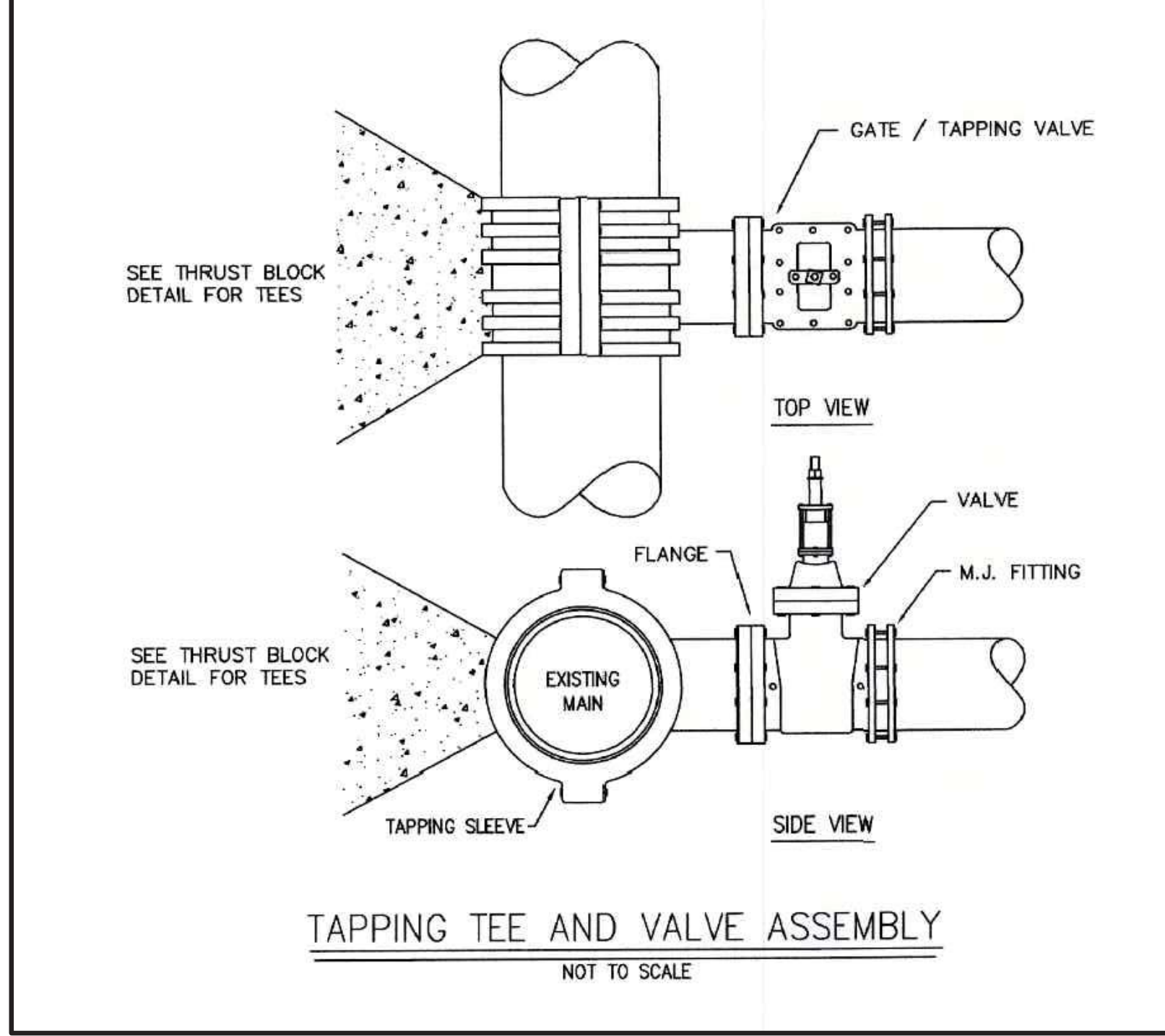


BUTTRESS DIMENSIONS

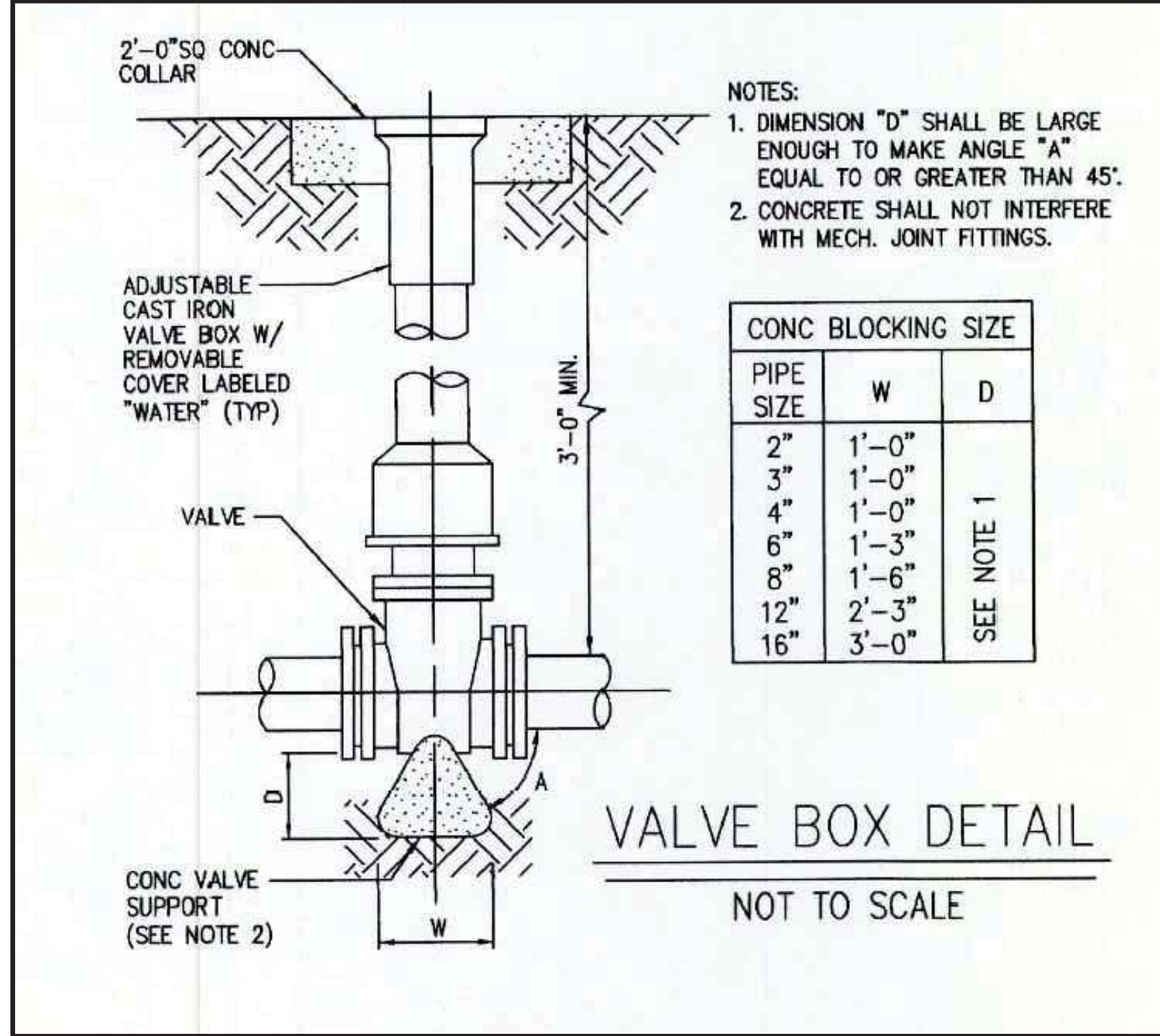
PIPE SIZE	90 BENDS		45 BENDS		22 1/2 BENDS		11 1/4 BENDS	
	L	H	L	H	L	H	L	H
6"	1'-10"	1'-8"	1'-4"	1'-4"	1'-0"	1'-0"	0'-8"	0'-8"
8"	2'-6"	2'-2"	1'-9"	1'-9"	1'-3"	1'-3"	0'-11"	0'-11"
10"	3'-1"	2'-8"	2'-1"	2'-1"	1'-6"	1'-6"	1'-1"	1'-1"
12"	3'-8"	3'-2"	2'-6"	2'-6"	1'-10"	1'-10"	1'-3"	1'-3"
16"	4'-10"	4'-2"	3'-4"	3'-4"	2'-4"	2'-4"	1'-8"	1'-8"

- NOTES:**
1. DIMENSION "A" SHOULD BE AS LARGE AS POSSIBLE WITHOUT INTERFERING WITH THE MECH. JOINT BOLTS.
 2. THE SHAPE OF THE BACK OF THE BUTTRESS MAY VARY AS LONG AS THE CONCRETE IS AGAINST FIRM, UNDISTURBED EARTH.
 3. BLOCKS SHALL BE POSITIONED TO COUNTERACT THE DIRECTION OF THE RESULTANT THRUST FORCE.
 4. BUTTRESS DIMENSIONS ARE BASED UPON A SOIL RESISTANCE OF 2500 LBS. PER SQ. FT. AND A WATER PRESSURE OF 150 P.S.I.
 5. CONCRETE SHALL BE CURED FOR AT LEAST FIVE DAYS PRIOR TO PRESSURING WATER MAIN.

ELBOW THRUST BLOCK DETAIL
NOT TO SCALE



NOT TO SCALE

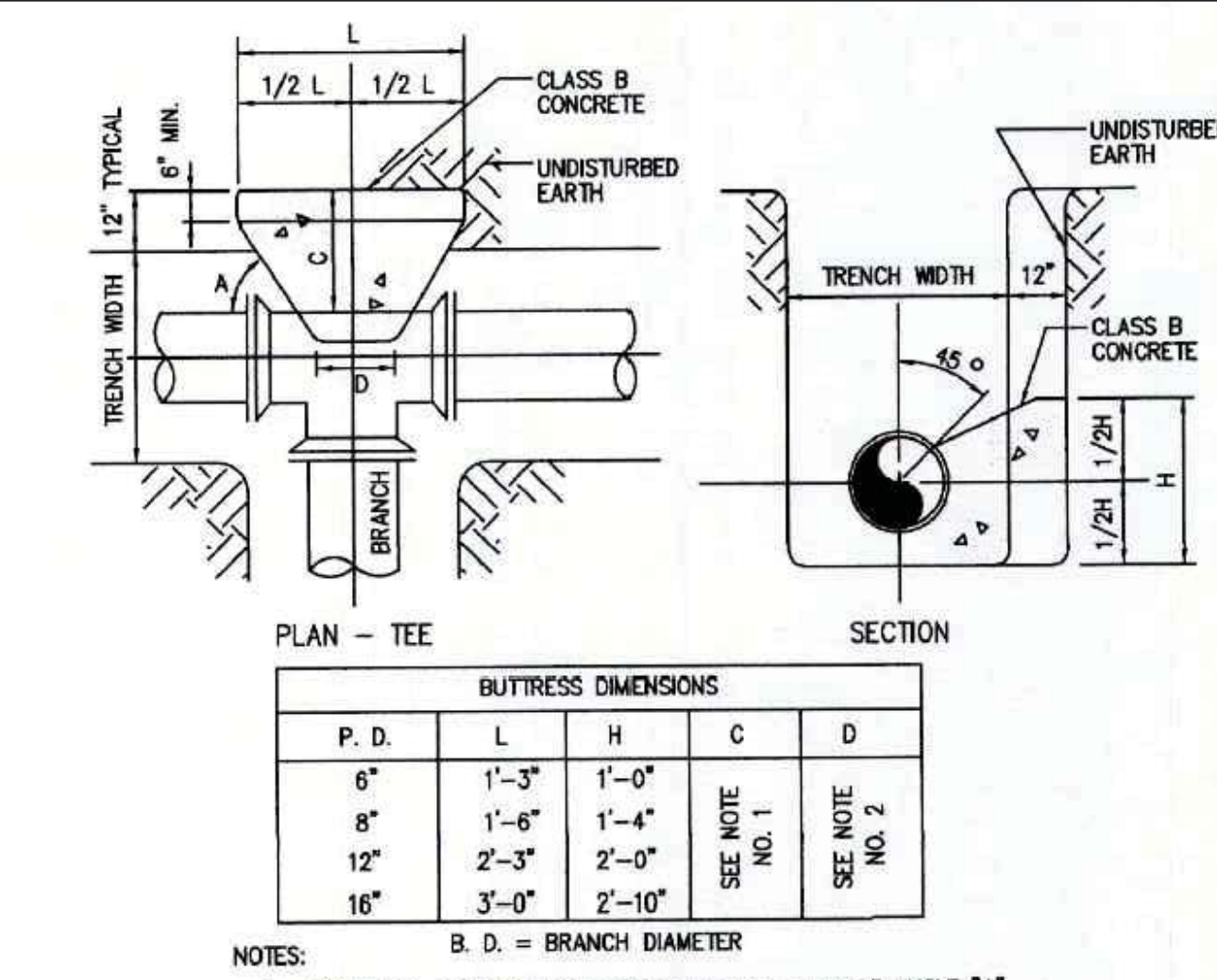


CONC BLOCKING SIZE

PIPE SIZE	W	D
2"	1'-0"	
3"	1'-0"	
4"	1'-0"	
6"	1'-3"	
8"	1'-6"	
12"	2'-3"	
16"	3'-0"	

SEE NOTE 1

VALVE BOX DETAIL
NOT TO SCALE



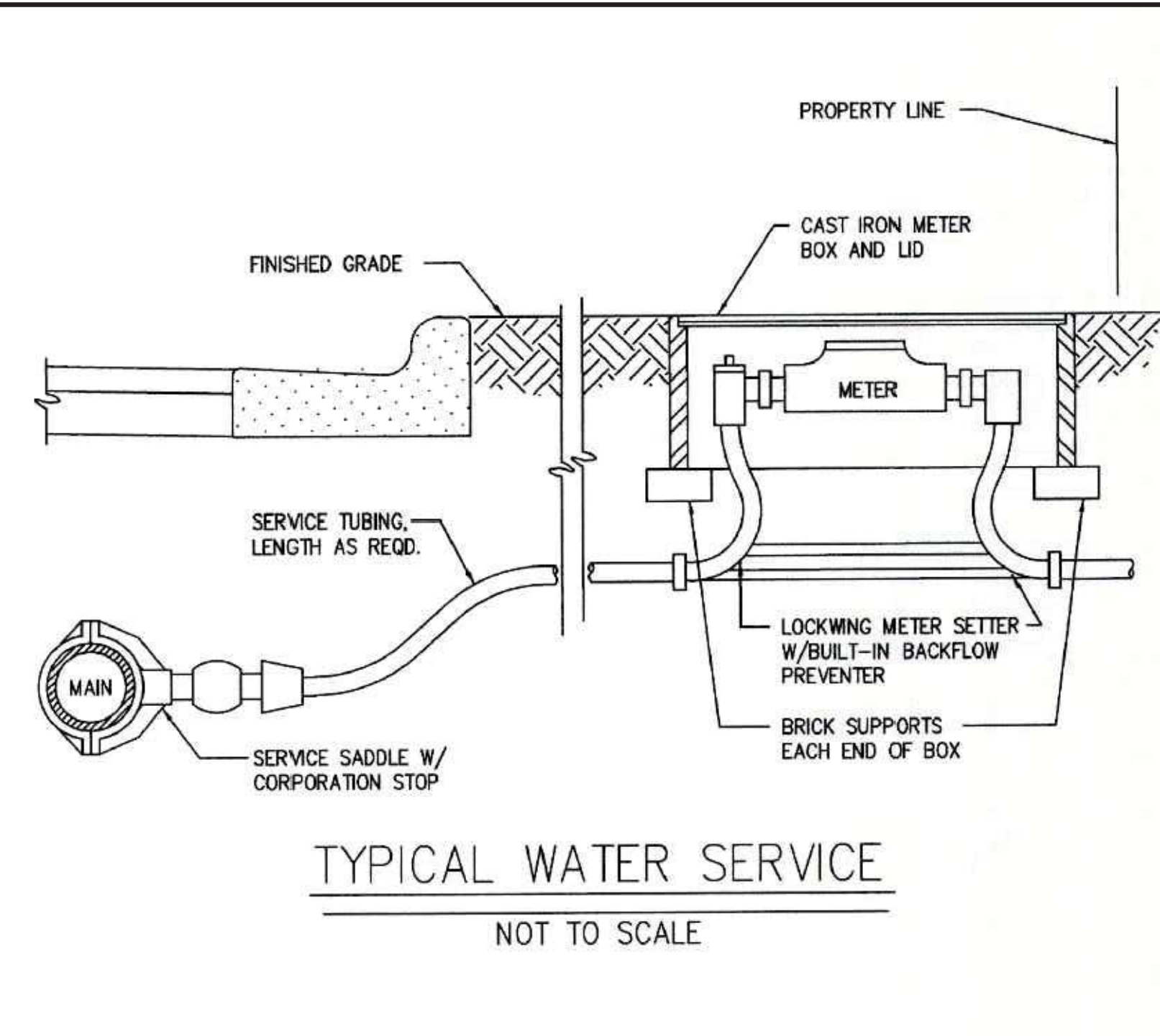
BUTTRESS DIMENSIONS

P. D.	L	H	C	D
6"	1'-3"	1'-0"		
8"	1'-6"	1'-4"		
12"	2'-3"	2'-0"		
16"	3'-0"	2'-10"		

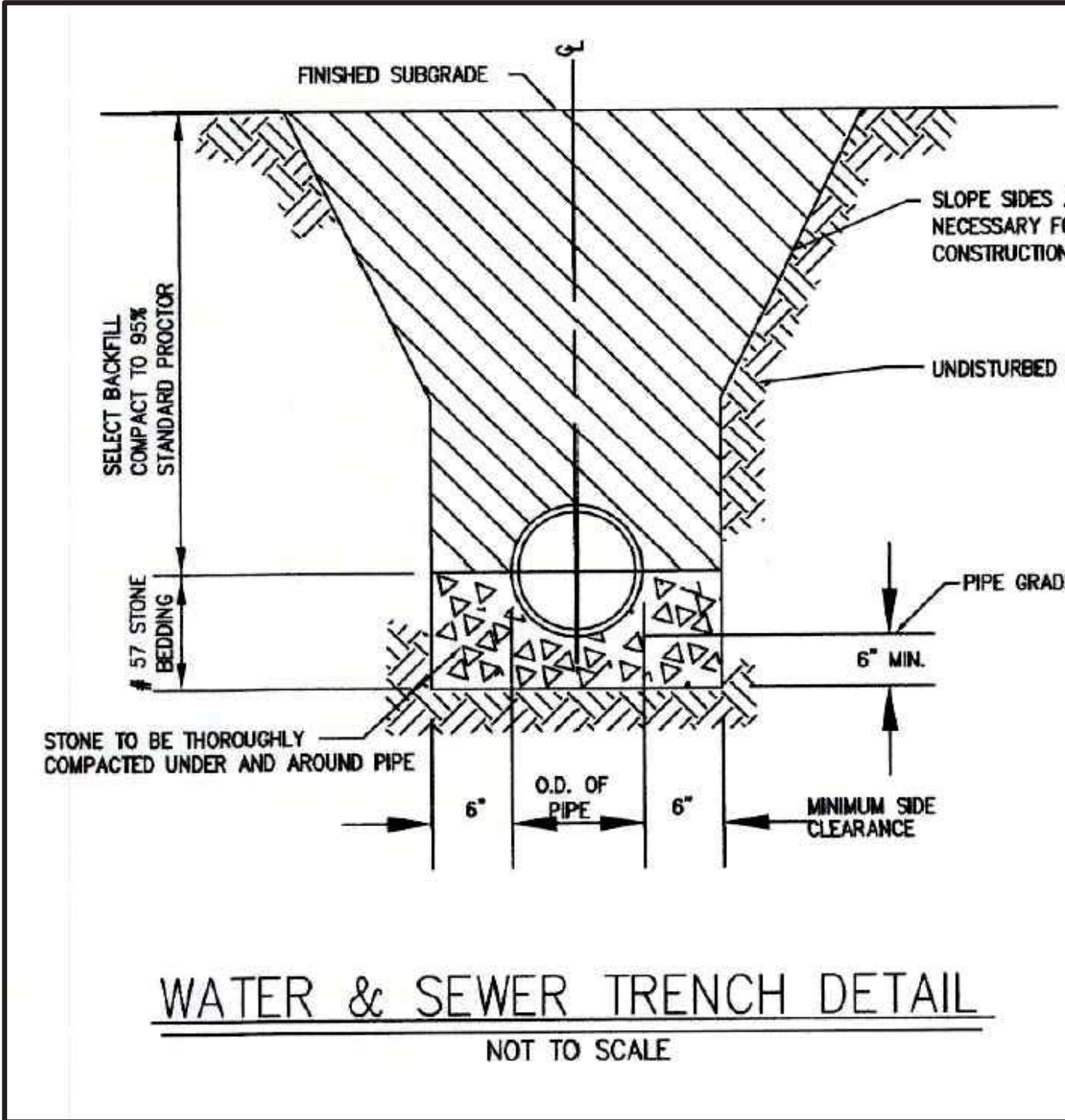
B. D. = BRANCH DIAMETER

- NOTES:**
1. DIMENSION "C" SHOULD BE LARGE ENOUGH TO MAKE ANGLE "A" EQUAL TO OR GREATER THAN 45°.
 2. DIMENSION "D" SHOULD BE AS LARGE AS POSSIBLE WITHOUT INTERFERING WITH THE MECHANICAL JOINTS.
 3. BUTTRESS DIMENSIONS ARE BASED UPON A SOIL RESISTANCE OF TWO TONS PER SQ. FT. AND A WATER PRESSURE OF 150 P.S.I.

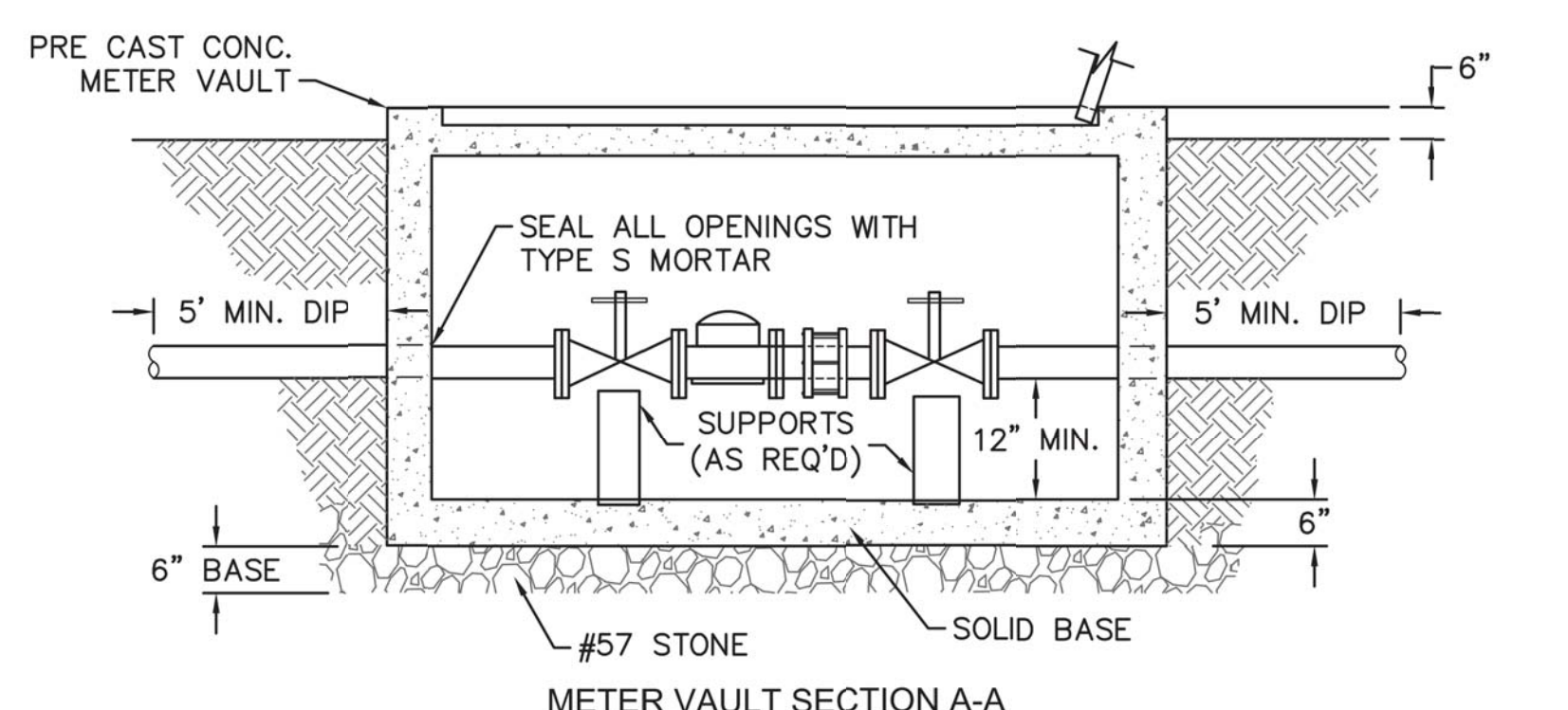
THRUST BLOCK DETAIL FOR TEES
NOT TO SCALE



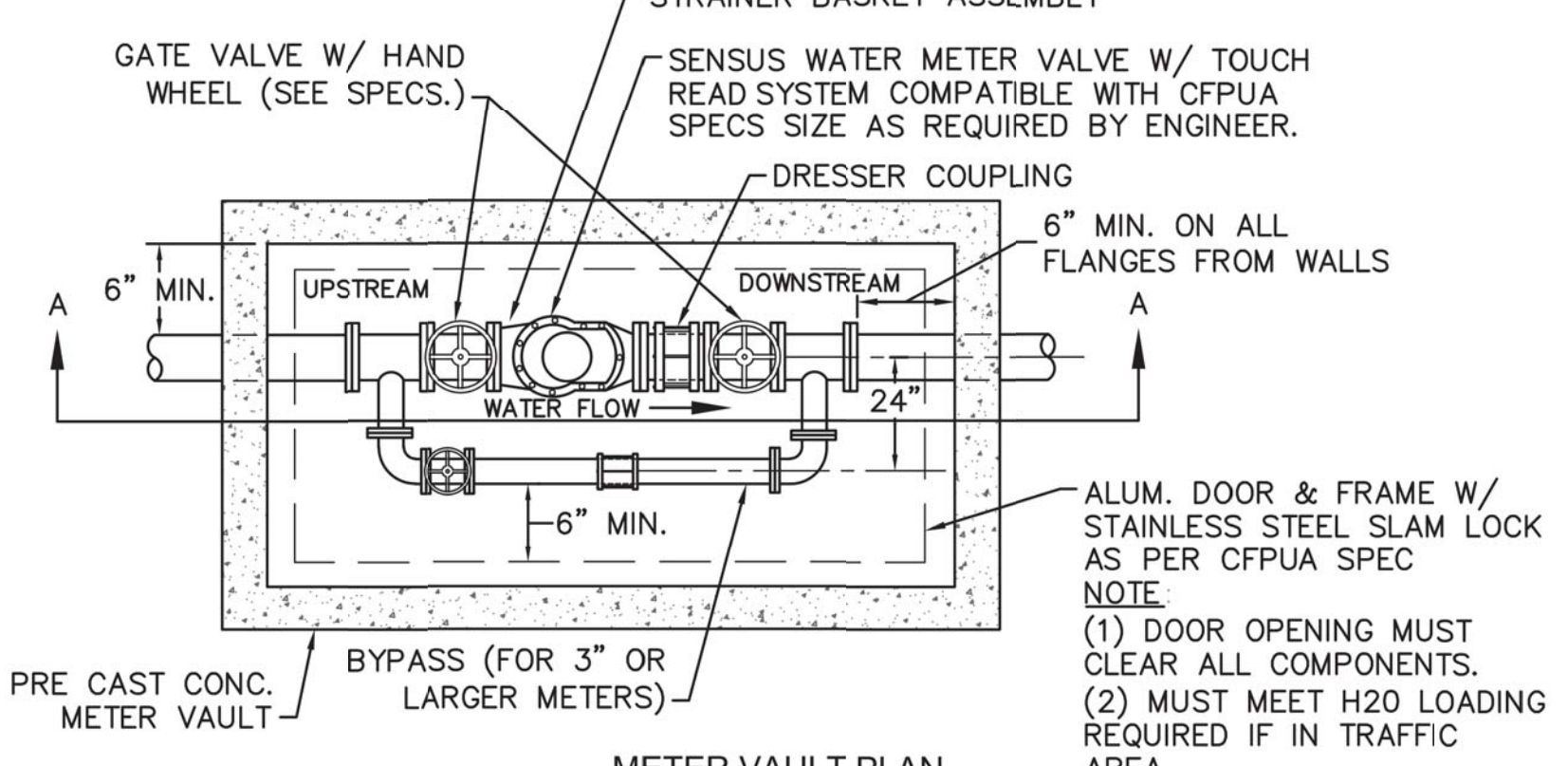
NOT TO SCALE



WATER & SEWER TRENCH DETAIL
NOT TO SCALE

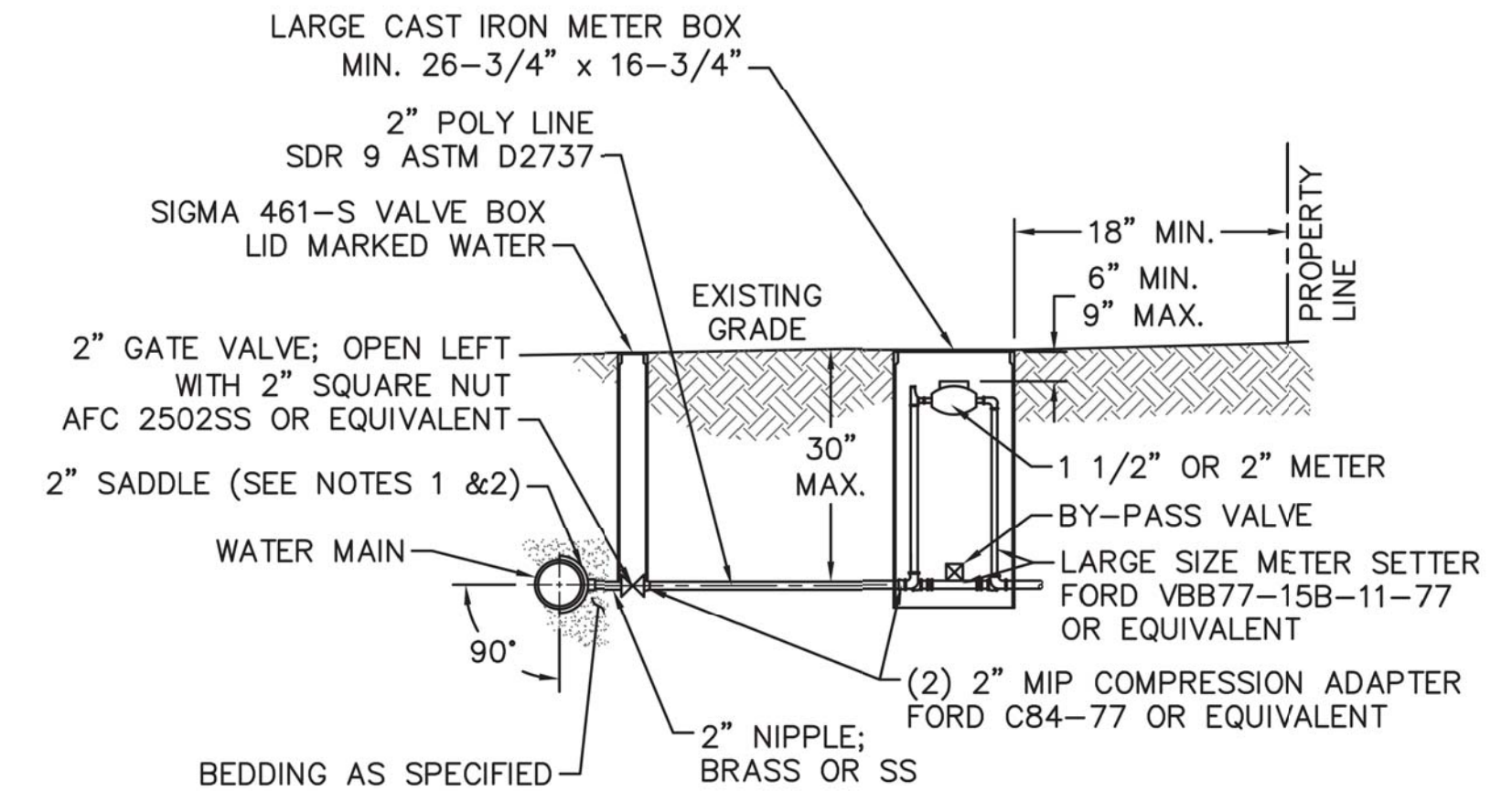


METER VAULT SECTION A-A



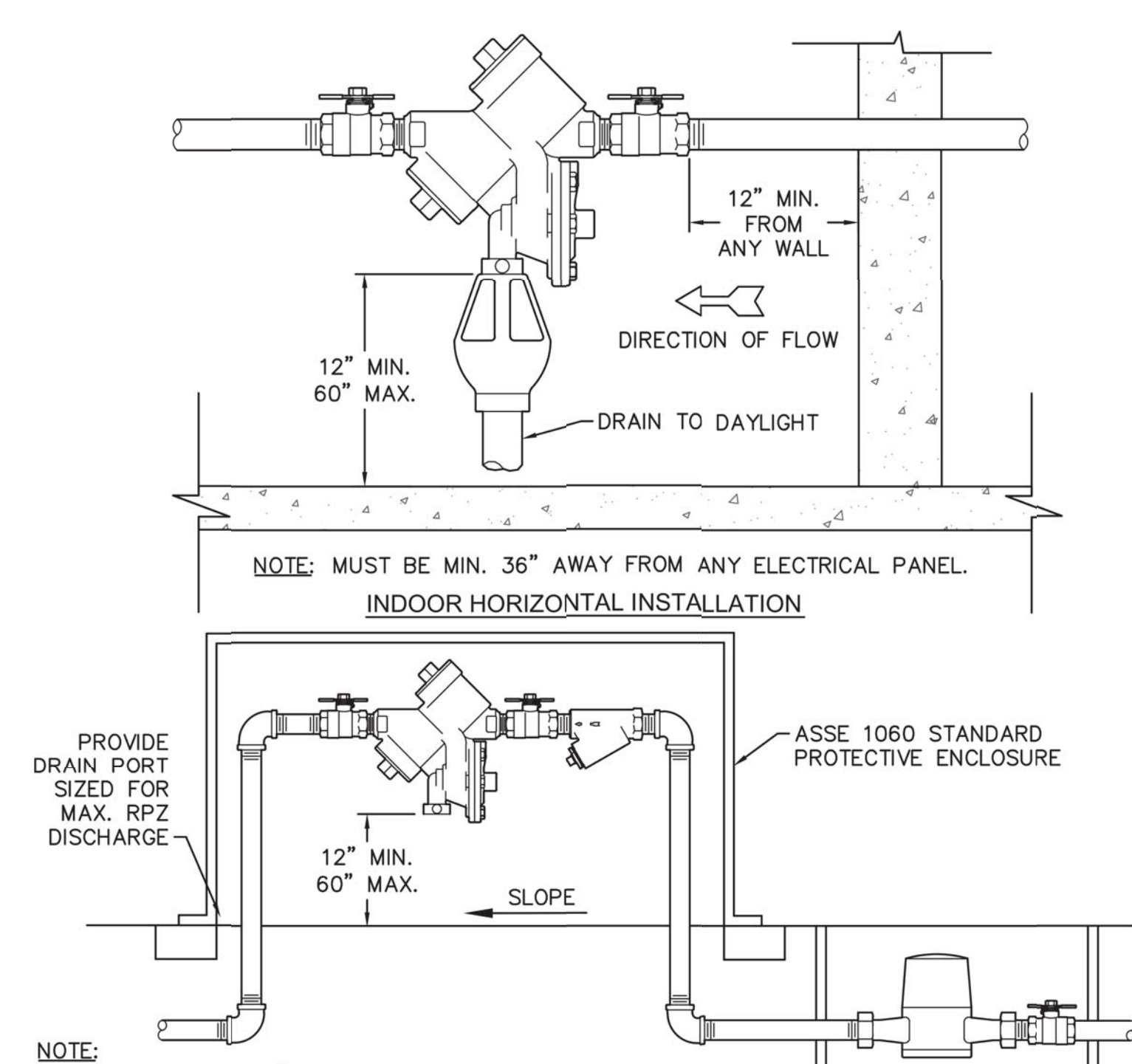
METER VAULT PLAN

FOR WATER METERS LARGER THAN 2" WATER METER VAULT
NOT TO SCALE

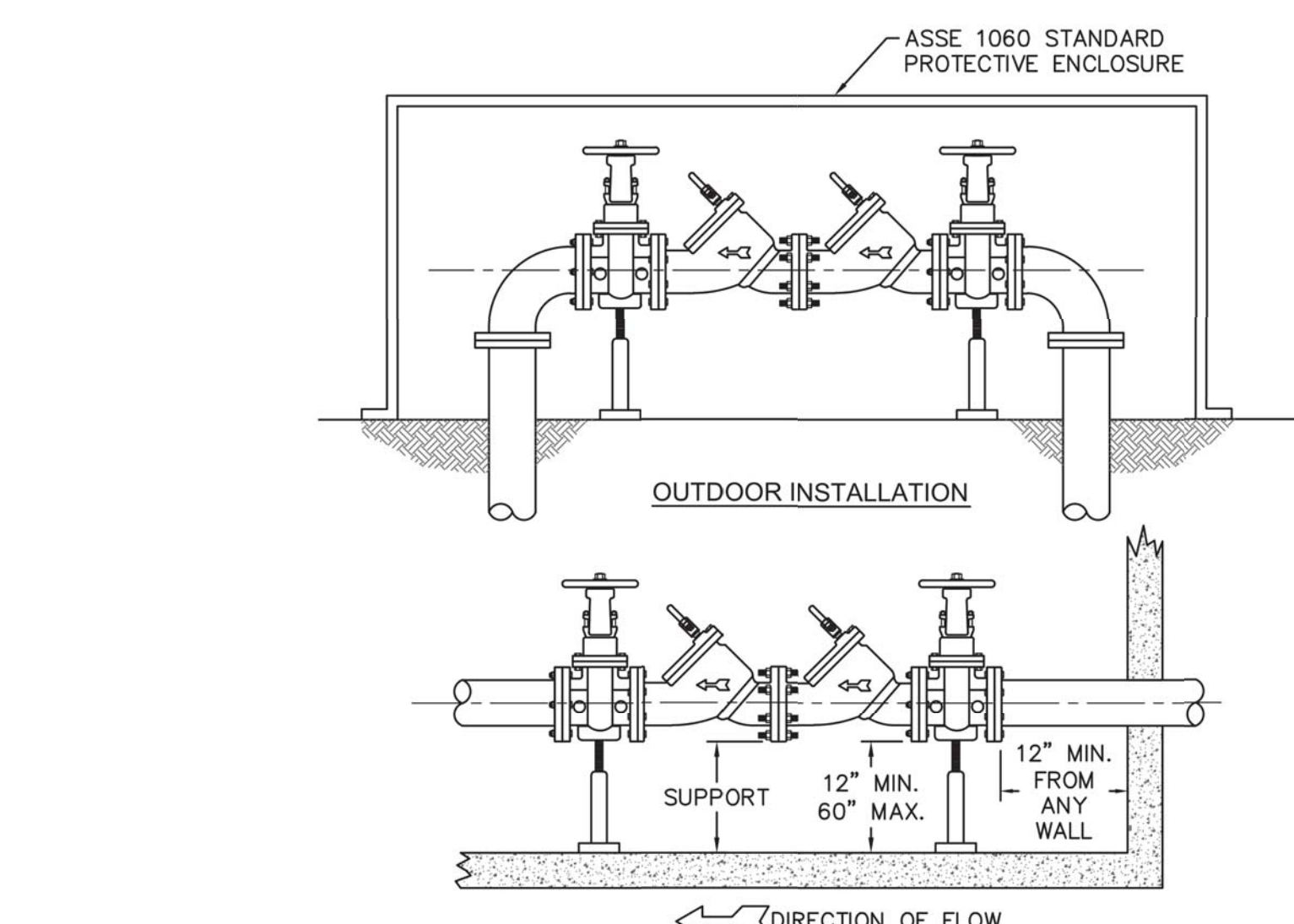


- NOTES:**
1. ALL SERVICES SHALL BE INSTALLED PERPENDICULAR TO MAIN.
 2. SERVICE SADDLES ON PVC MAINS SHALL BE WIDE BAND BRASS BODY: McDONALD 3800, FORD S90 (DOUBLE STRAP) OR EQUIVALENT.
 3. METER BOXES SUSCEPTIBLE TO TRAFFIC SHALL CONFORM TO ASTM A48, CLASS 30B AND AASHTO H20 LOAD RATING STANDARDS (OLDCASTLE PRECAST MODEL B1730 OR APPROVED EQUIVALENT).
 4. METER BOXES SUSCEPTIBLE TO INCIDENTAL, NON-DELIBERATE TRAFFIC SHALL CONFORM TO ANSI/SCTE 77 TIER 15 LOAD RATING STANDARDS (SYNERTECH MODEL DUO 17x30 OR APPROVED EQUIVALENT).
 5. NON-TRAFFIC METER BOXES SHALL BE SIGMA MB2203 OR APPROVED EQUIVALENT.
 6. 3" CLEAN FILL REQUIRED ALL AROUND 2" POLY SERVICE LINE.

FOR 1-1/2" OR 2" WATER SERVICES
LARGE METER
NOT TO SCALE



REDUCED PRESSURE PRINCIPLE ASSEMBLY
NOT TO SCALE



DOUBLE CHECK VALVE ASSEMBLY
NOT TO SCALE

- GENERAL NOTES:**
1. NO EXCAVATED MATERIAL SHALL BE PLACED IN ANY STREAM, DITCH OR DRAINAGE-WAY.
 2. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES BEFORE ANY CONSTRUCTION BEGINS.
 3. THE CONTRACTOR IS RESPONSIBLE FOR TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES WHILE CONSTRUCTION IS IN PROGRESS.
 4. THE CONTRACTOR IS RESPONSIBLE FOR STABILIZATION OF ALL DISTURBED AREAS.
 5. THE CONTRACTOR IS RESPONSIBLE FOR LAY DOWN AND STOCKPILE AREAS (TO ARRANGE AND ENSURE COMPLIANCE WITH ALL LOCAL AND STATE REGULATIONS).

MATERIALS KEYING LEGEND

GENERAL NOTES

KEY PLAN

SCO ID # 22-25364-02A

NO. REVISION DATE

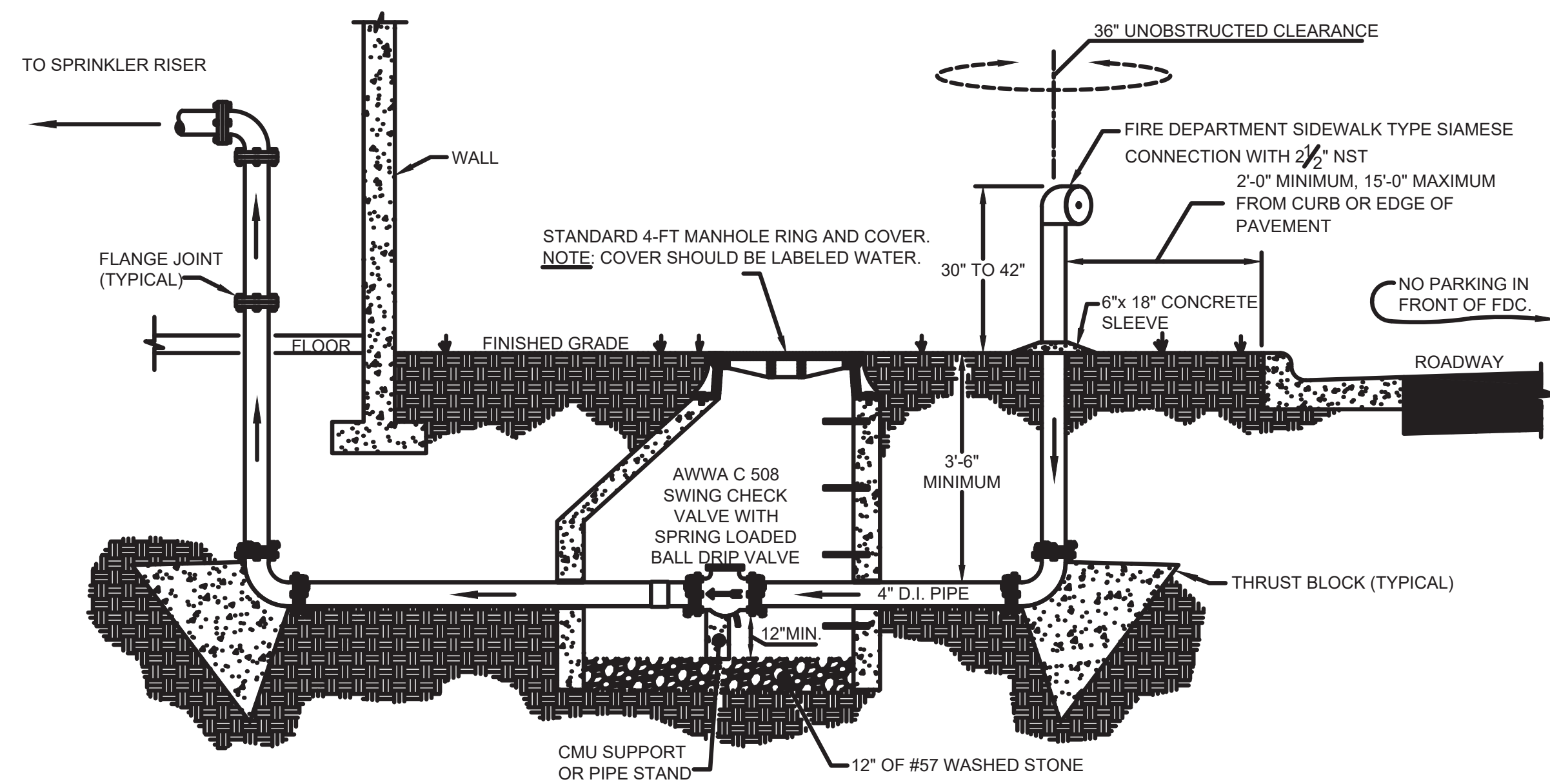


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UTILITY DETAILS (SHEET 1 OF 3)

SCALE	NONE	DRAWING NO.	
DRAWN	AMT		
CHECKED	GMW		C5.5
DATE	2-28-2024		
PROJECT NO.	2022-18		

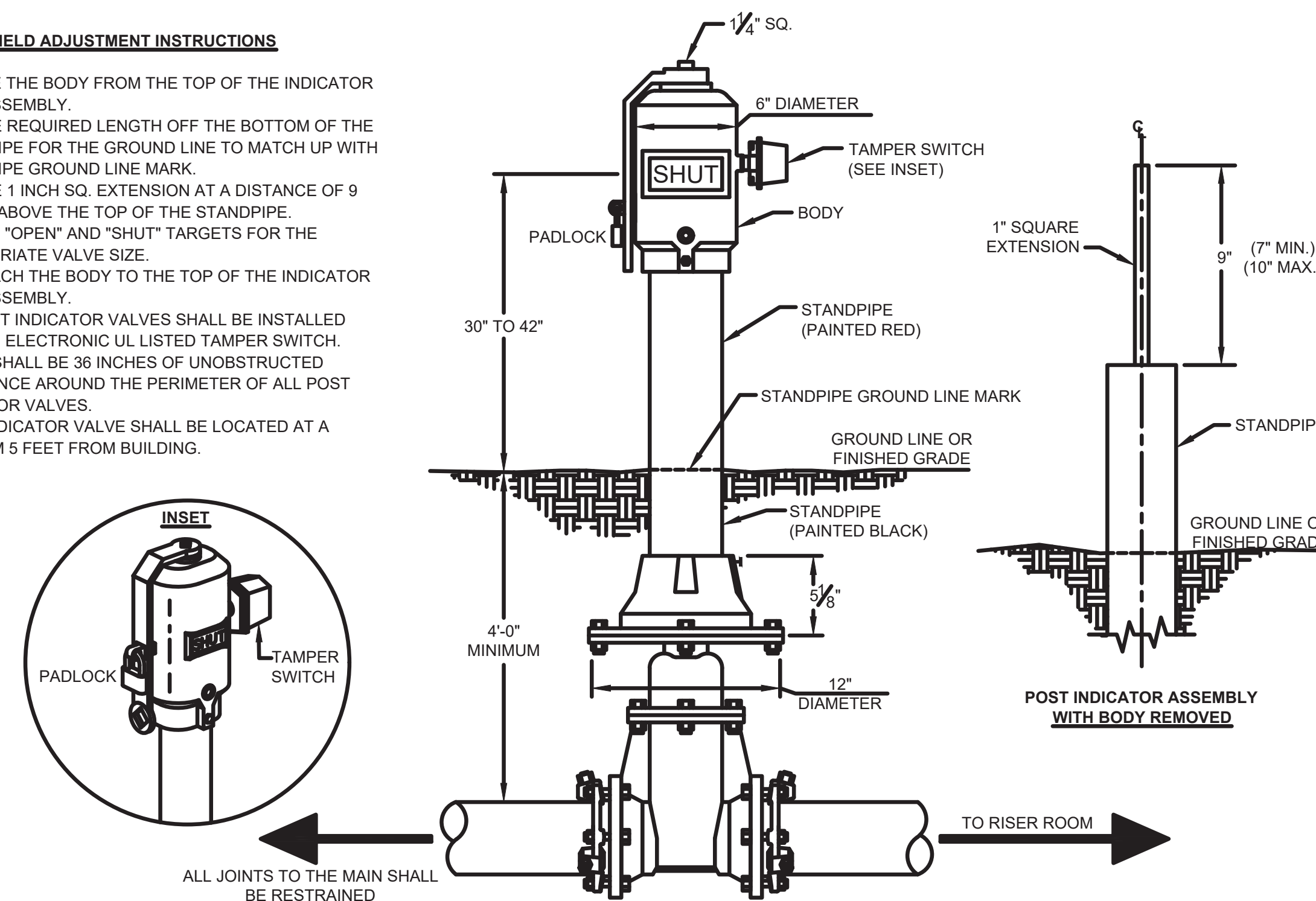




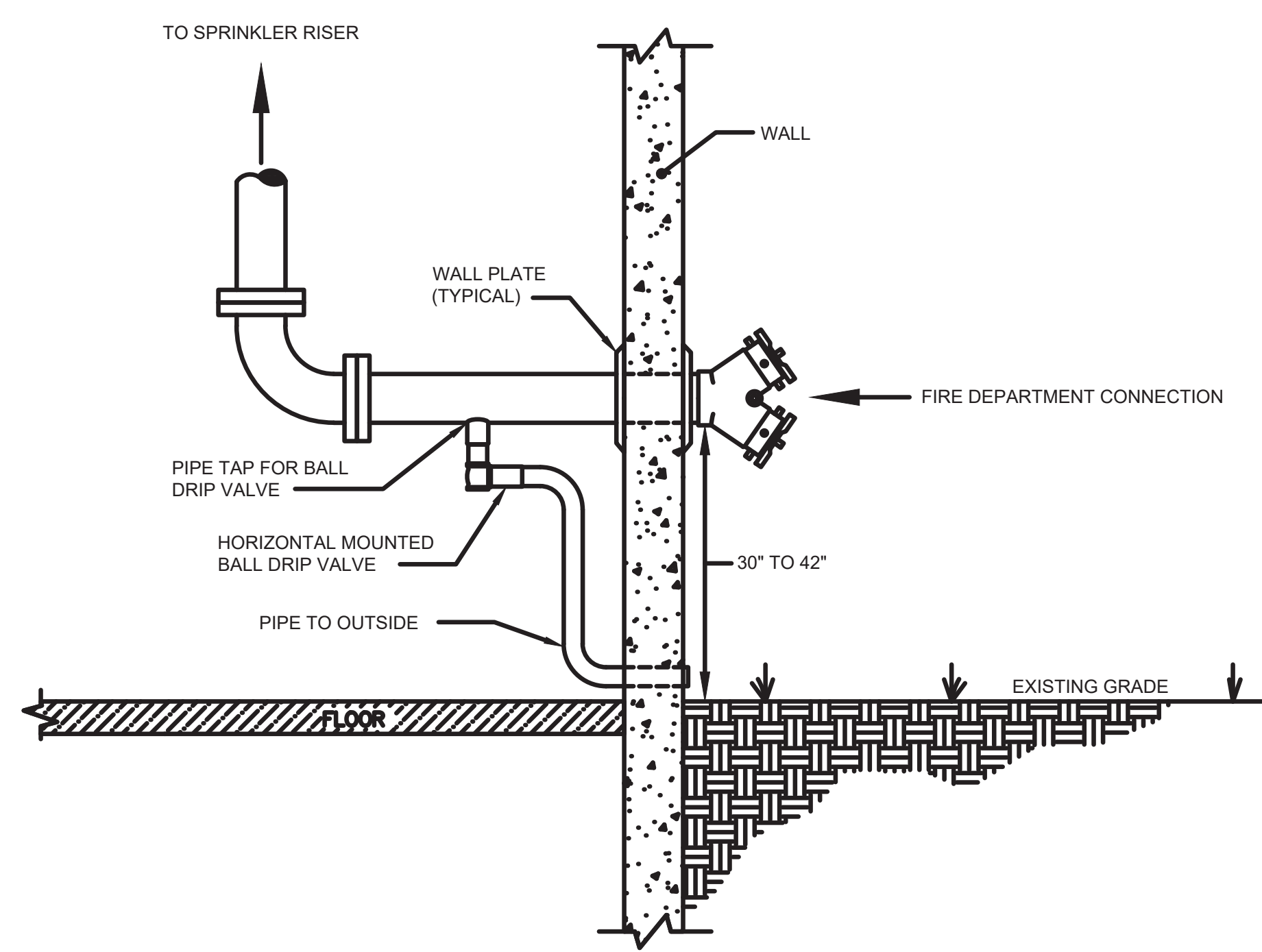
- NOTES**
- SIAMESE CONNECTIONS MUST BE WITHIN 50 FEET OF A FIRE HYDRANT, EXCEPT AT TOWNHOUSES, APARTMENT BUILDINGS, AND WITHIN URBAN SETTINGS.
 - SIAMESE CONNECTION CAN BE ATTACHED TO BUILDING.
 - TWO 3/4 INCH STAINLESS STEEL RODS ON EACH PIPE SEGMENT MAY BE SUBSTITUTED FOR WEDGE ACTION RESTRAINTS.
 - SPRING LOADED BALL DRIP VALVE SHALL BE INSTALLED VERTICALLY IN FRONT OF CHECK VALVE DISC. AN ADDITIONAL FITTING MAY BE REQUIRED SO THAT DRIP VALVE IS VERTICAL.

CURB SIDE FIRE DEPARTMENT CONNECTION
NOT TO SCALE

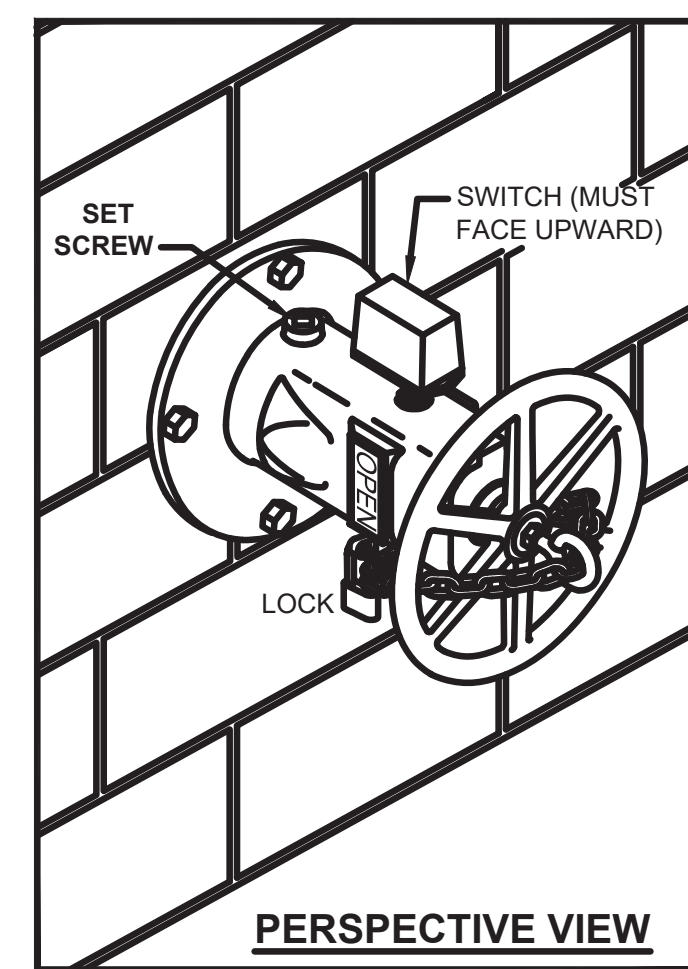
- FIELD ADJUSTMENT INSTRUCTIONS**
- REMOVE THE BODY FROM THE TOP OF THE INDICATOR POST ASSEMBLY.
 - CUT THE REQUIRED LENGTH OFF THE BOTTOM OF THE STANDPIPE FOR THE GROUND LINE TO MATCH UP WITH STANDPIPE GROUND LINE MARK.
 - CUT THE 1 INCH SQ. EXTENSION AT A DISTANCE OF 9 INCHES ABOVE THE TOP OF THE STANDPIPE.
 - SET THE "OPEN" AND "SHUT" TARGETS FOR THE APPROPRIATE VALVE SIZE.
 - RE-ATTACH THE BODY TO THE TOP OF THE INDICATOR POST ASSEMBLY.
 - ALL POST INDICATOR VALVES SHALL BE INSTALLED WITH AN ELECTRONIC UL LISTED TAMPER SWITCH.
 - THERE SHALL BE 36 INCHES OF UNOBSTRUCTED CLEARANCE AROUND THE PERIMETER OF ALL POST INDICATOR VALVES.
 - POST INDICATOR VALVE SHALL BE LOCATED AT A MINIMUM 5 FEET FROM BUILDING.



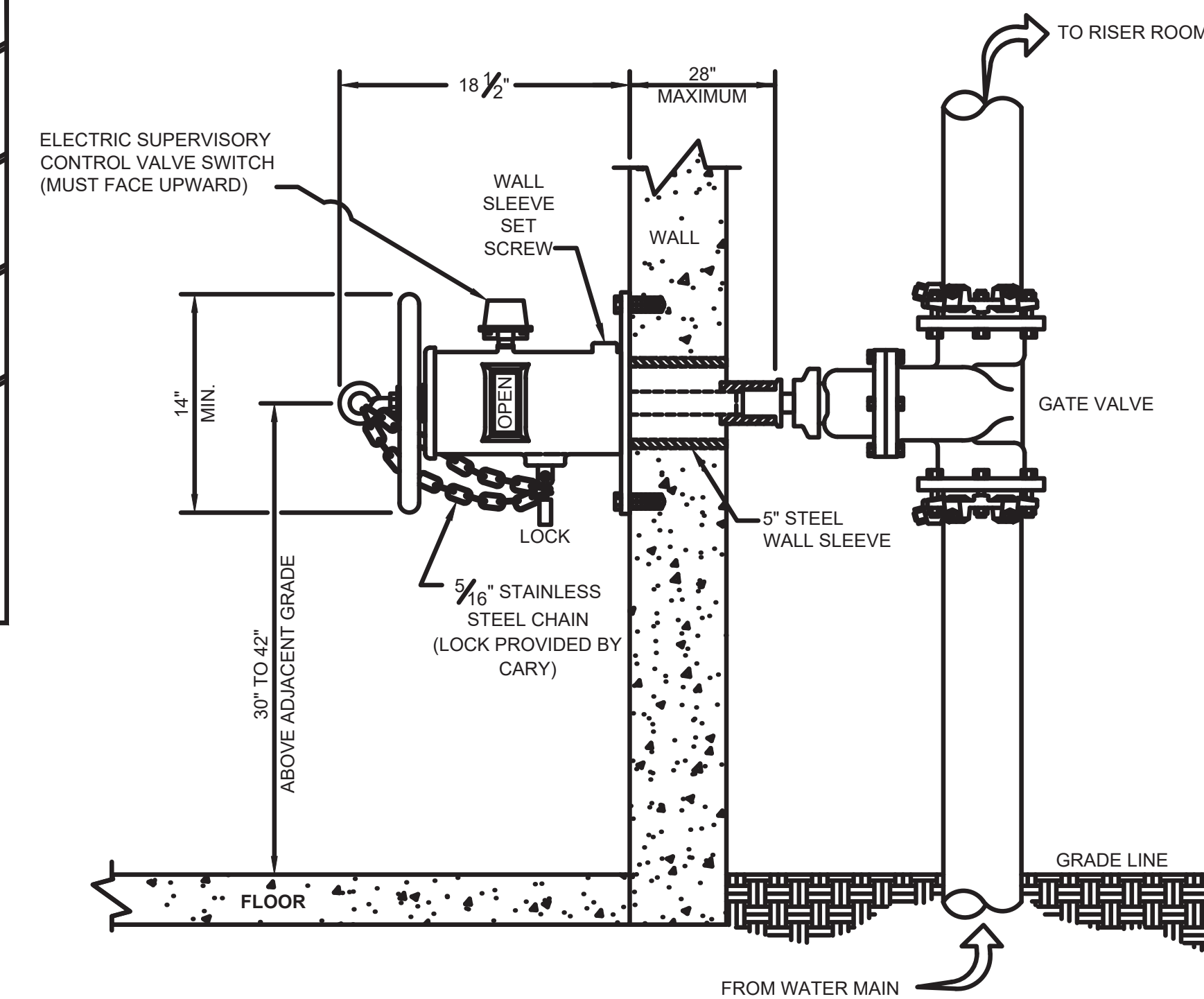
STANDARD POST INDICATOR VALVE
NOT TO SCALE



WALL MOUNTED FIRE DEPARTMENT CONNECTION
NOT TO SCALE



PERSPECTIVE VIEW



WALL MOUNTED INDICATOR VALVE
NOT TO SCALE

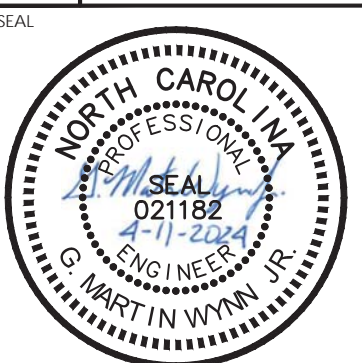
MATERIALS KEYING LEGEND

GENERAL NOTES

KEY PLAN

SCO ID # 22-25364-02A

NO	REVISION	DATE



JKF
ARCHITECTURE

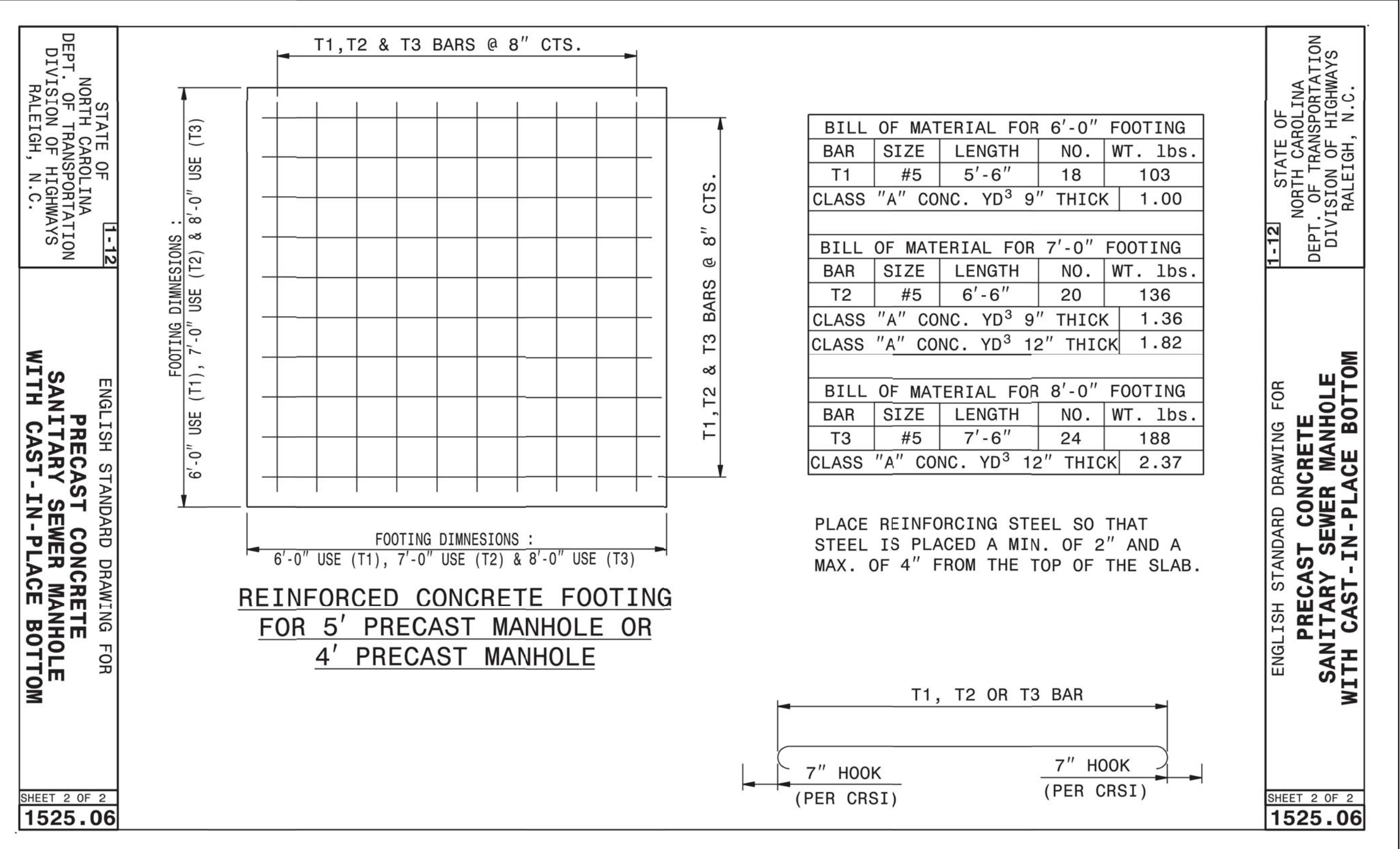
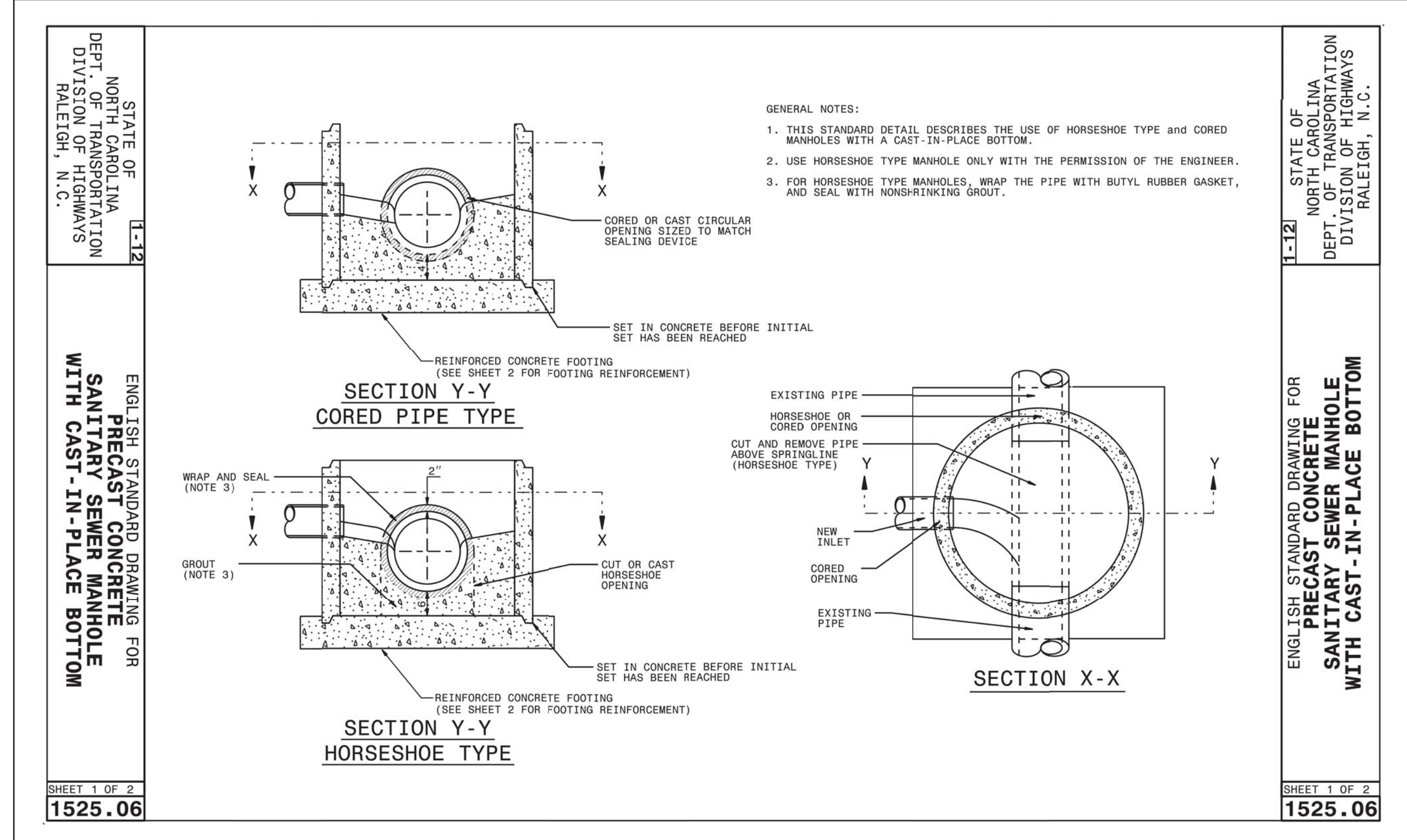
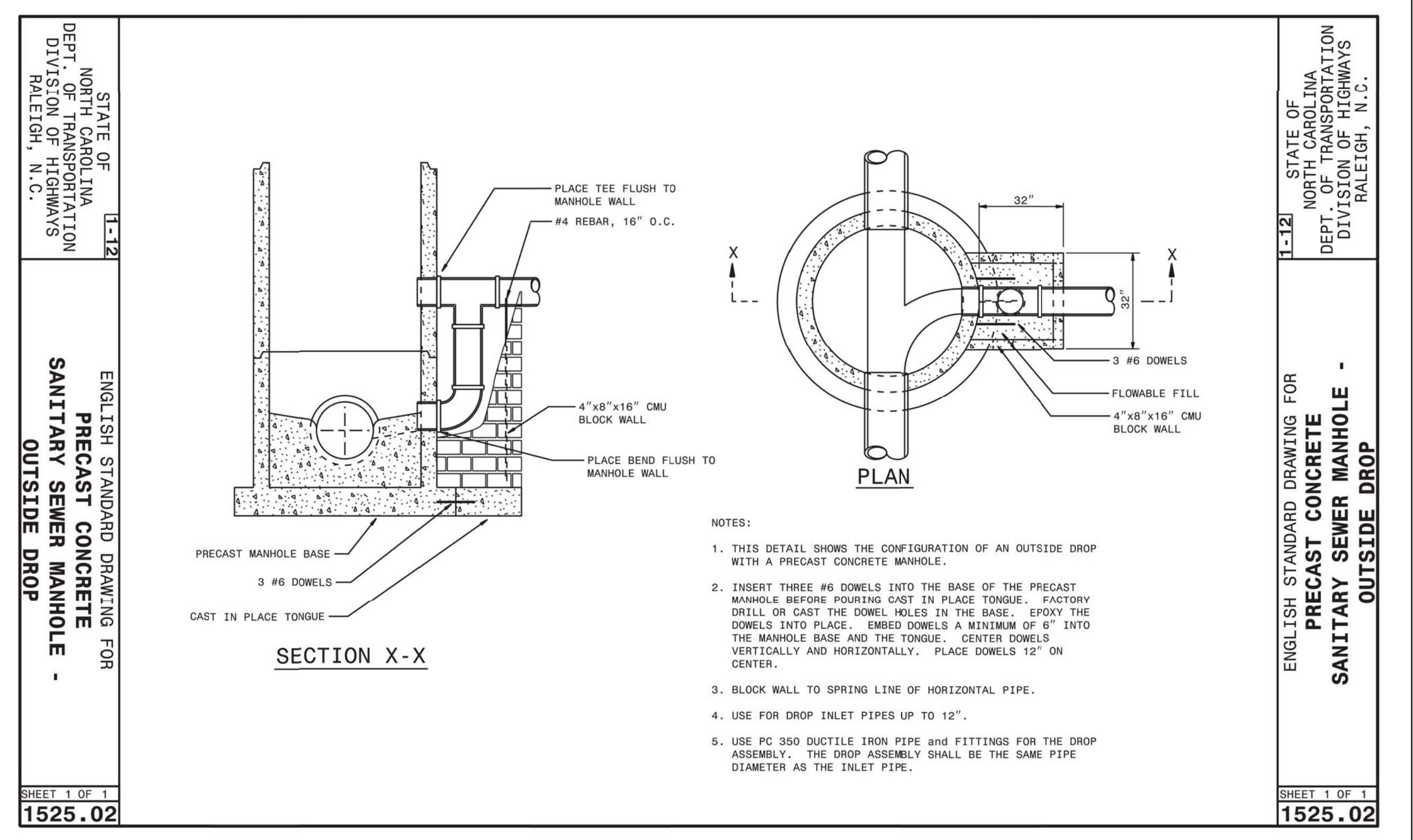
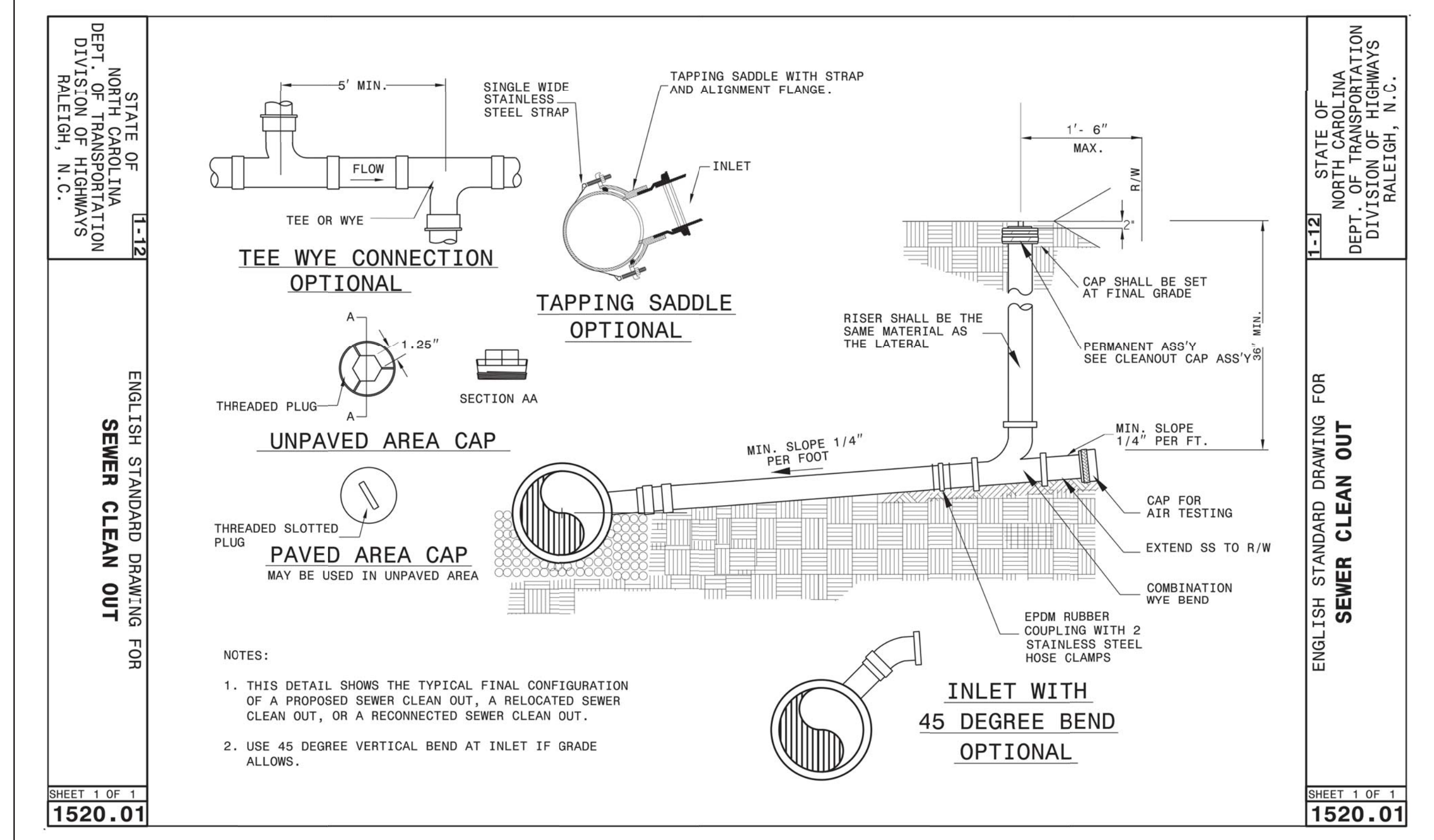
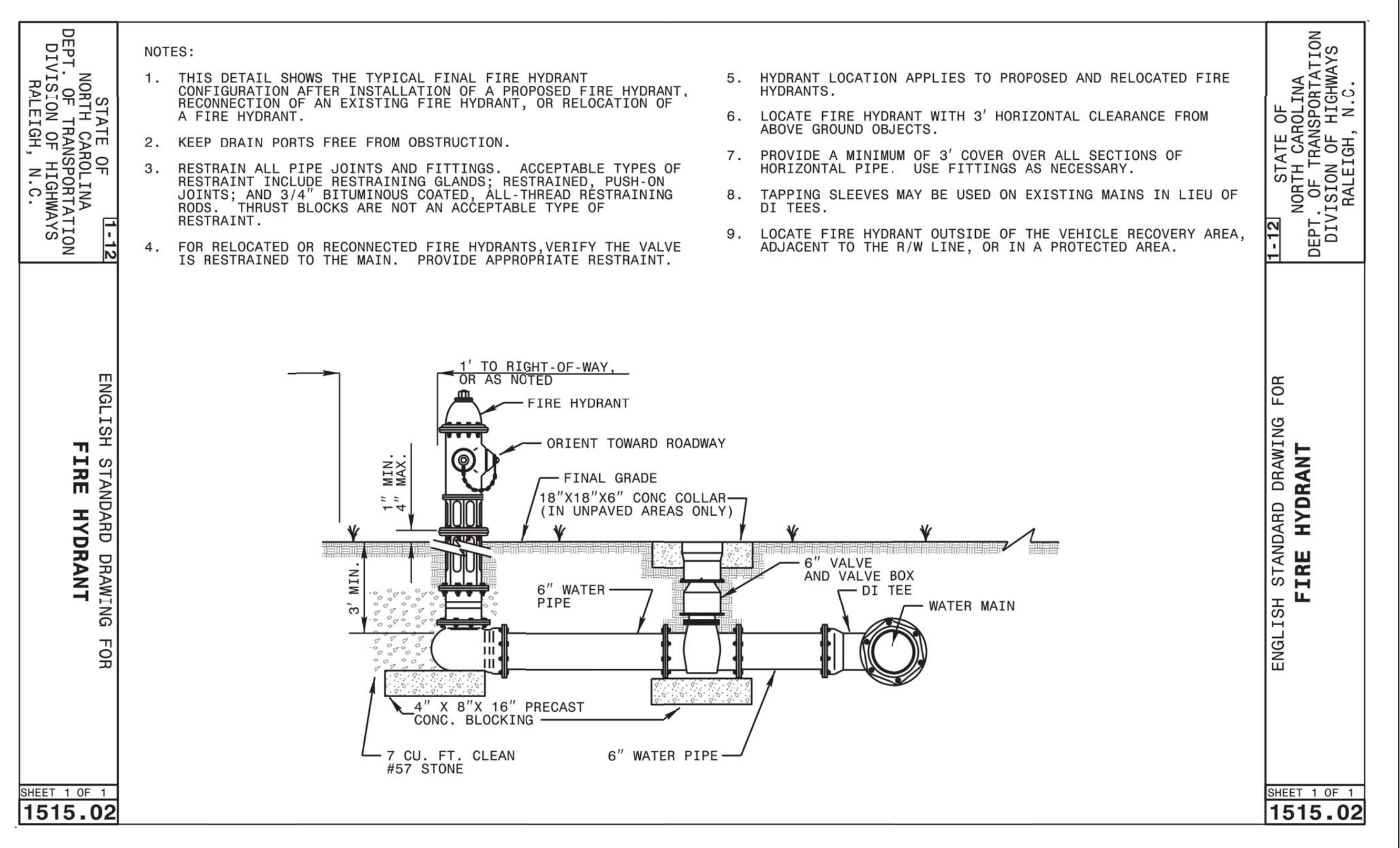
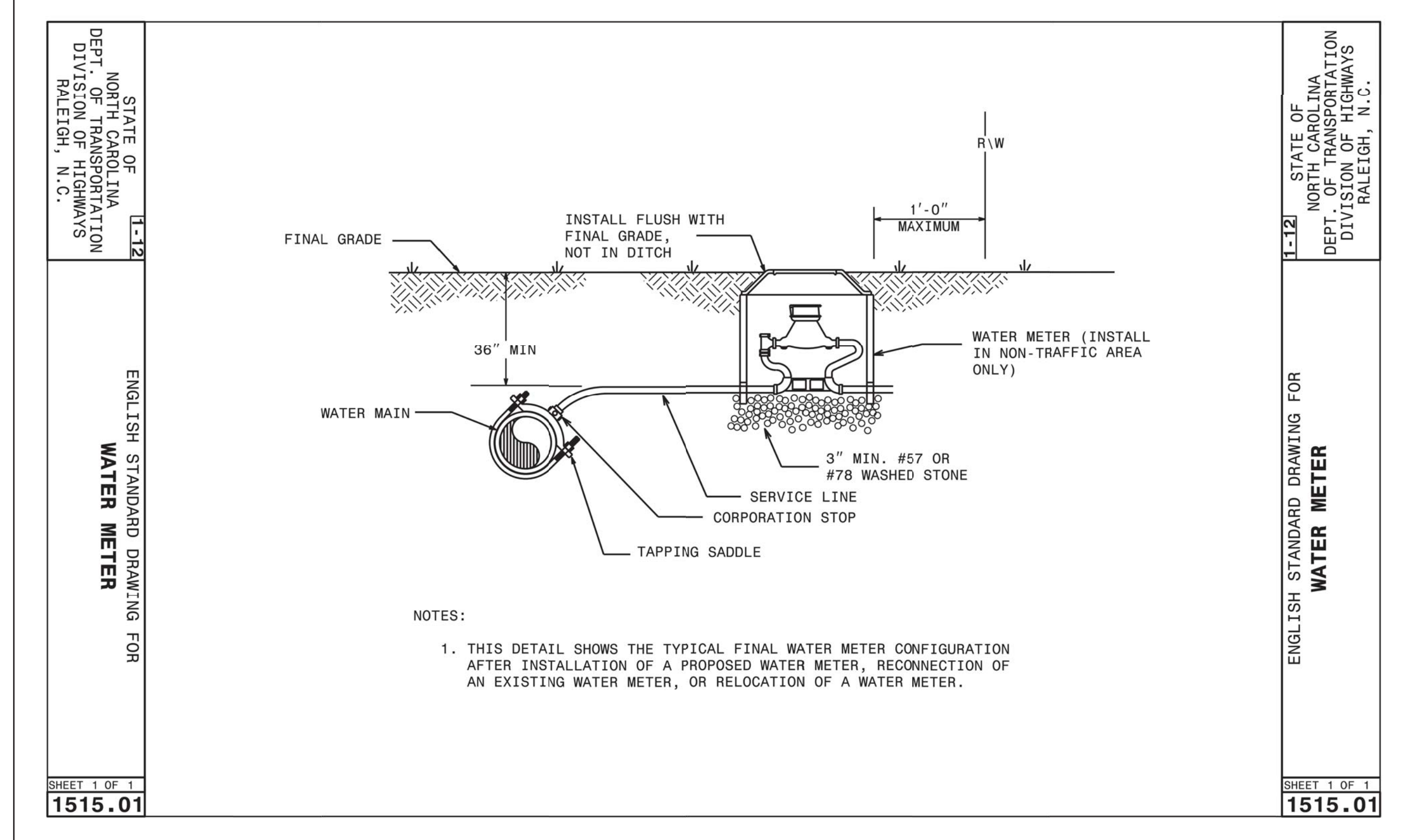
625 LYNNDALE CT. SUITE F. GREENVILLE, NC 27638 252.355.1048

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UTILITY DETAILS (SHEET 2 OF 3)

SCALE	NONE	DRAWING NO	C5.6
DRAWN	AMT		
CHECKED	GMW		
DATE	2-28-2024		
PROJECT NO	2022-18		





GENERAL NOTES:

1. THIS STANDARD DETAIL DESCRIBES THE USE OF HORSESHOE TYPE AND CORED MANHOLES WITH A CAST-IN-PLACE BOTTOM.
2. USE HORSESHOE TYPE MANHOLE ONLY WITH THE PERMISSION OF THE ENGINEER.
3. FOR HORSESHOE TYPE MANHOLES, WRAP THE PIPE WITH BUTYL RUBBER GASKET, AND SEAL WITH NONSHRINKING GROUT.

BILL OF MATERIAL FOR 6'-0" FOOTING

BAR SIZE	LENGTH	NO.	WT. lbs.
T1	#5 5'-6"	18	103
CLASS "A" CONC. YD ³ 9" THICK 1.00			

BILL OF MATERIAL FOR 7'-0" FOOTING

BAR SIZE	LENGTH	NO.	WT. lbs.
T2	#5 6'-6"	20	136
CLASS "A" CONC. YD ³ 9" THICK 1.36			
CLASS "A" CONC. YD ³ 12" THICK 1.82			

BILL OF MATERIAL FOR 8'-0" FOOTING

BAR SIZE	LENGTH	NO.	WT. lbs.
T3	#5 7'-6"	24	188
CLASS "A" CONC. YD ³ 12" THICK 2.37			

PLACE REINFORCING STEEL SO THAT STEEL IS PLACED A MIN. OF 2" AND A MAX. OF 4" FROM THE TOP OF THE SLAB.

MATERIALS KEYING LEGEND

GENERAL NOTES

KEY PLAN

SCO ID # 22-25364-02A

NO REVISION DATE



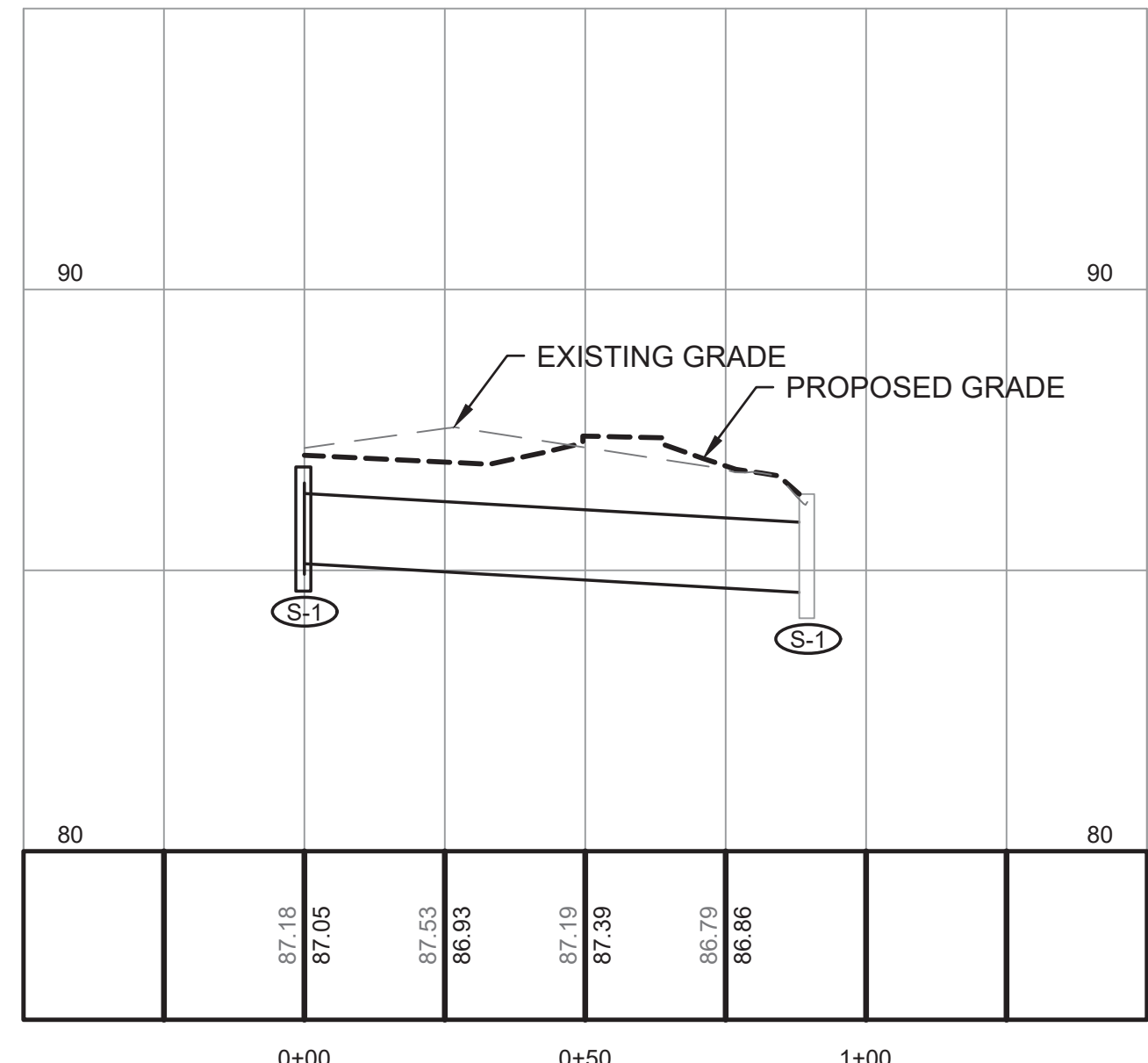
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KINSTON, NC

UTILITY DETAILS (SHEET 3 OF 3)

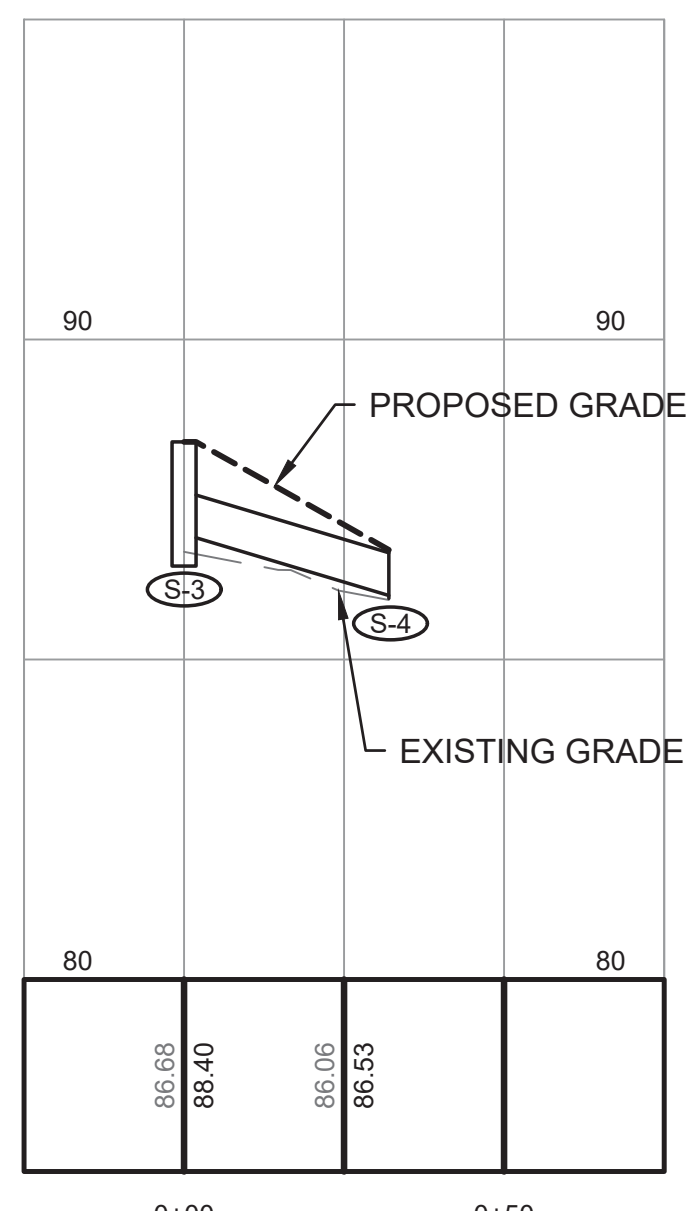
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DRAWN	AMT	
CHECKED	GMW	
DATE	2-28-2024	
PROJECT NO.	2022-18	



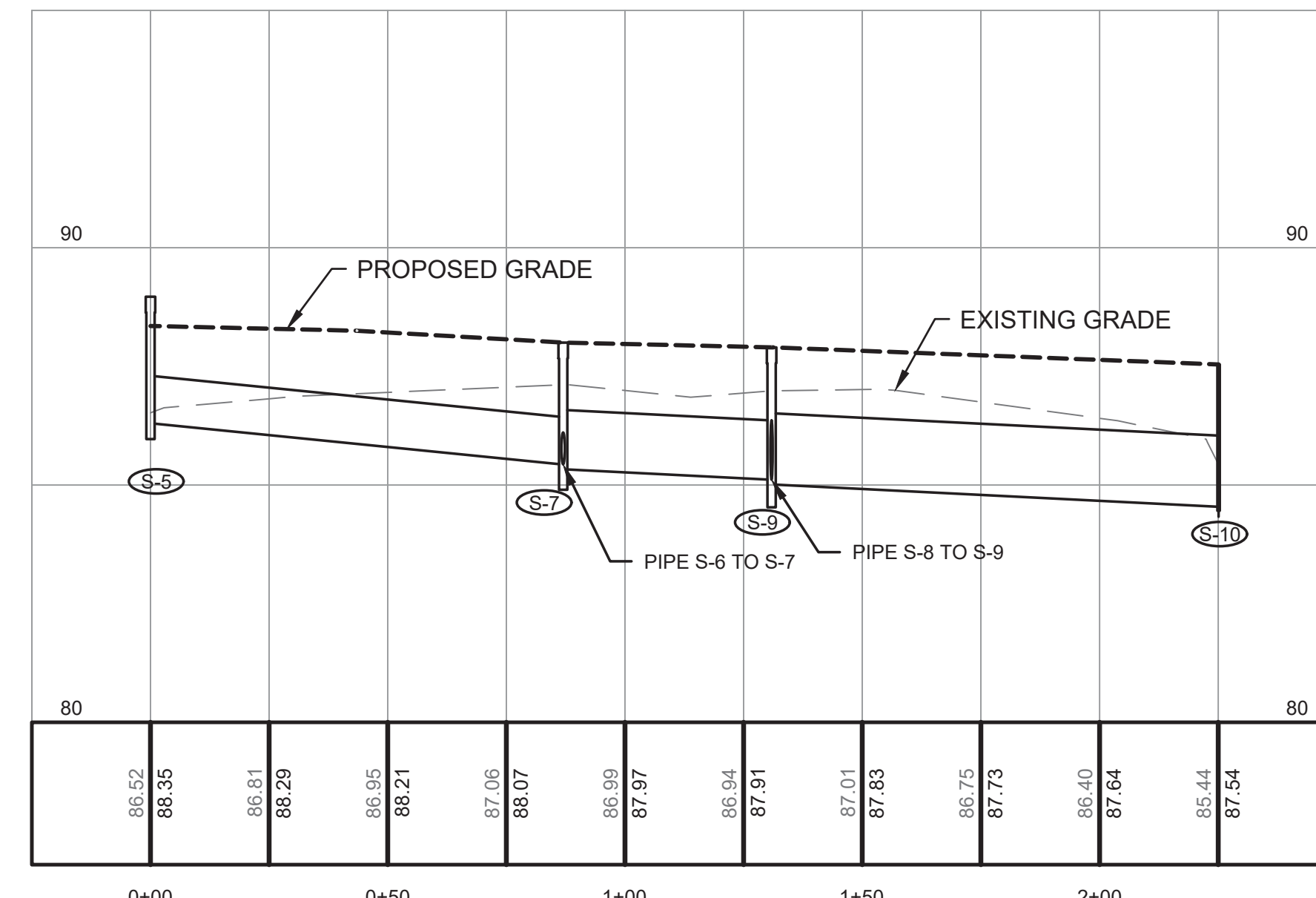
C5.7



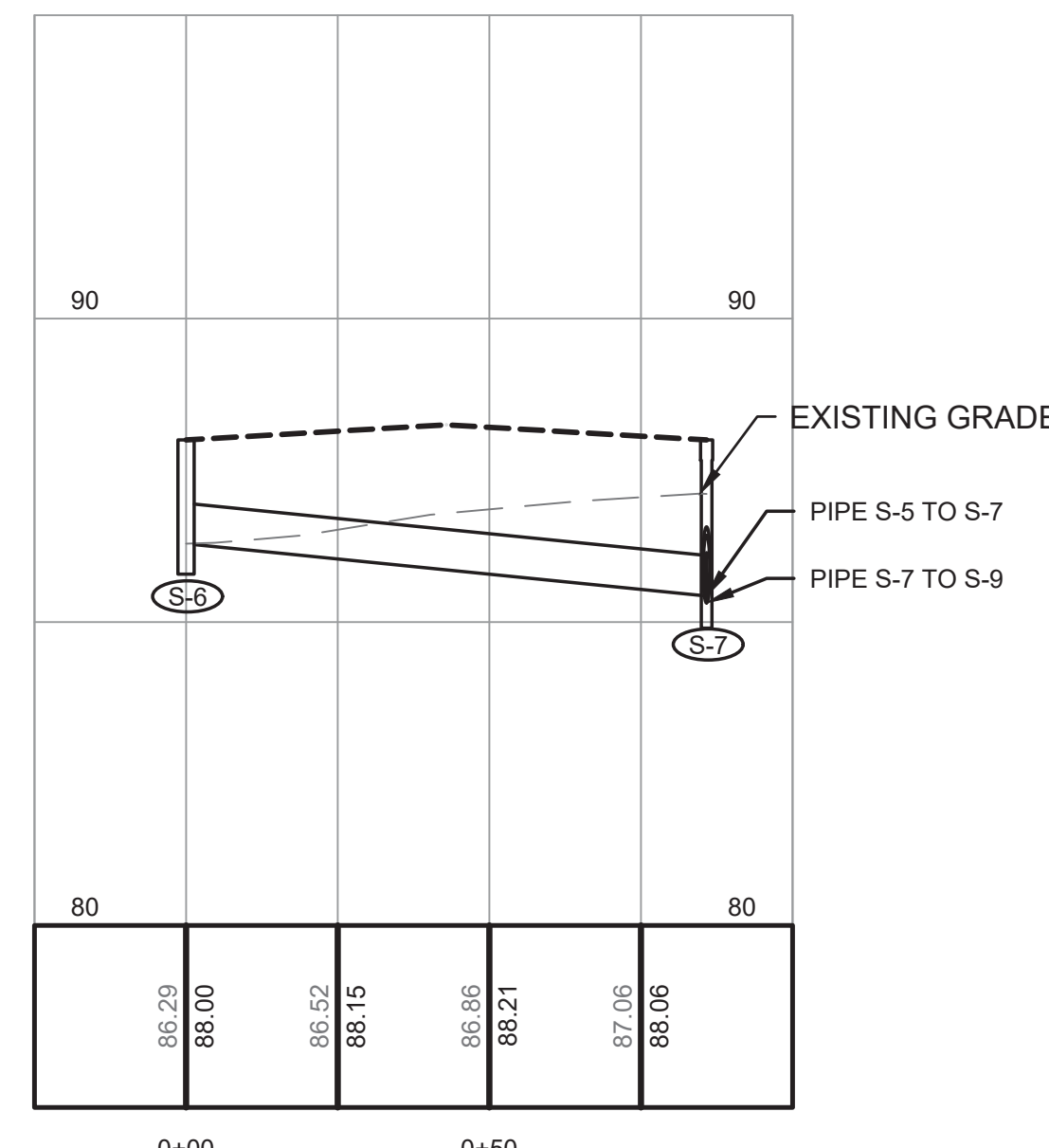
S-1 TO S-2 (EXISTING STRUCTURE)



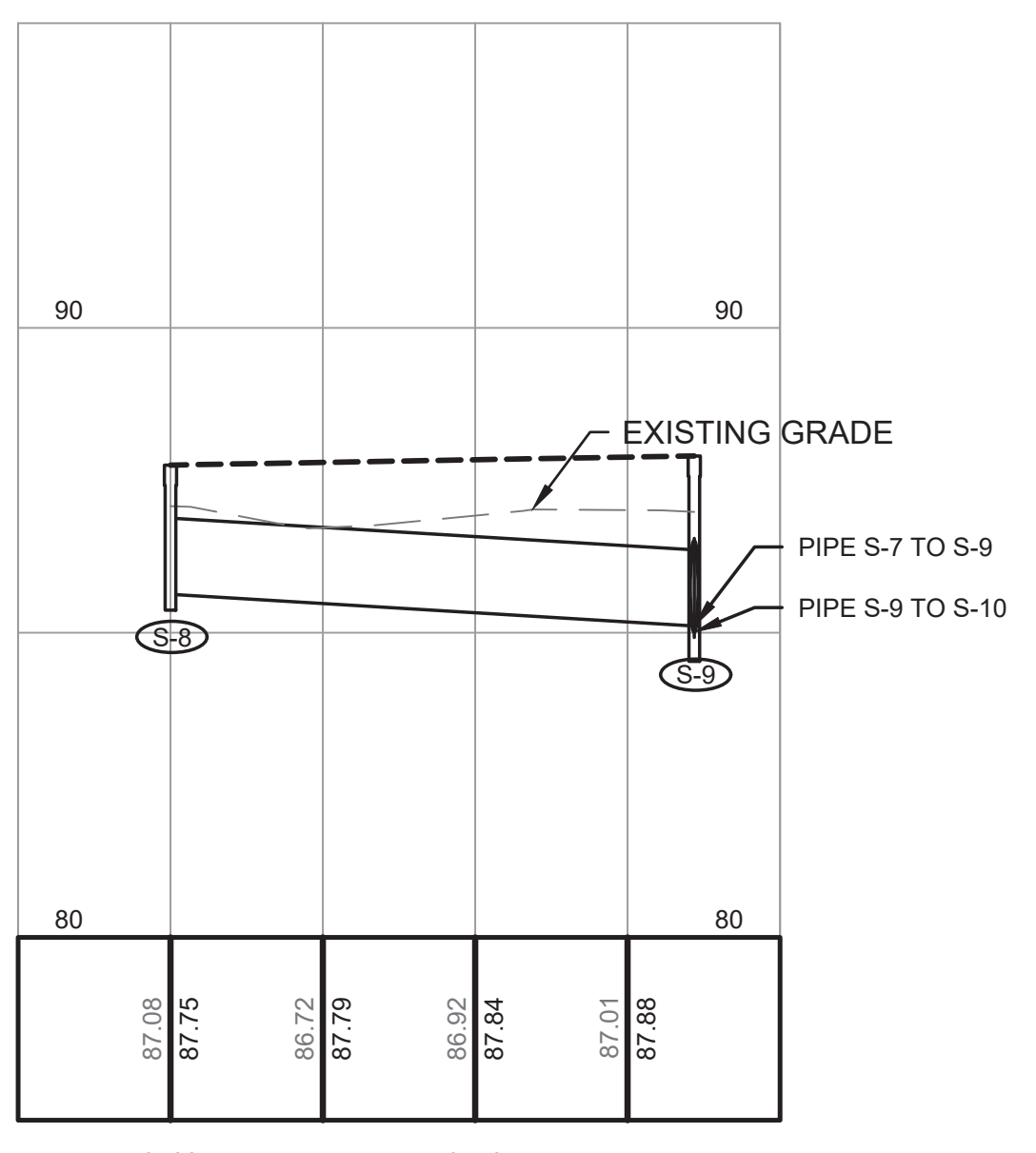
S-3 TO S-4



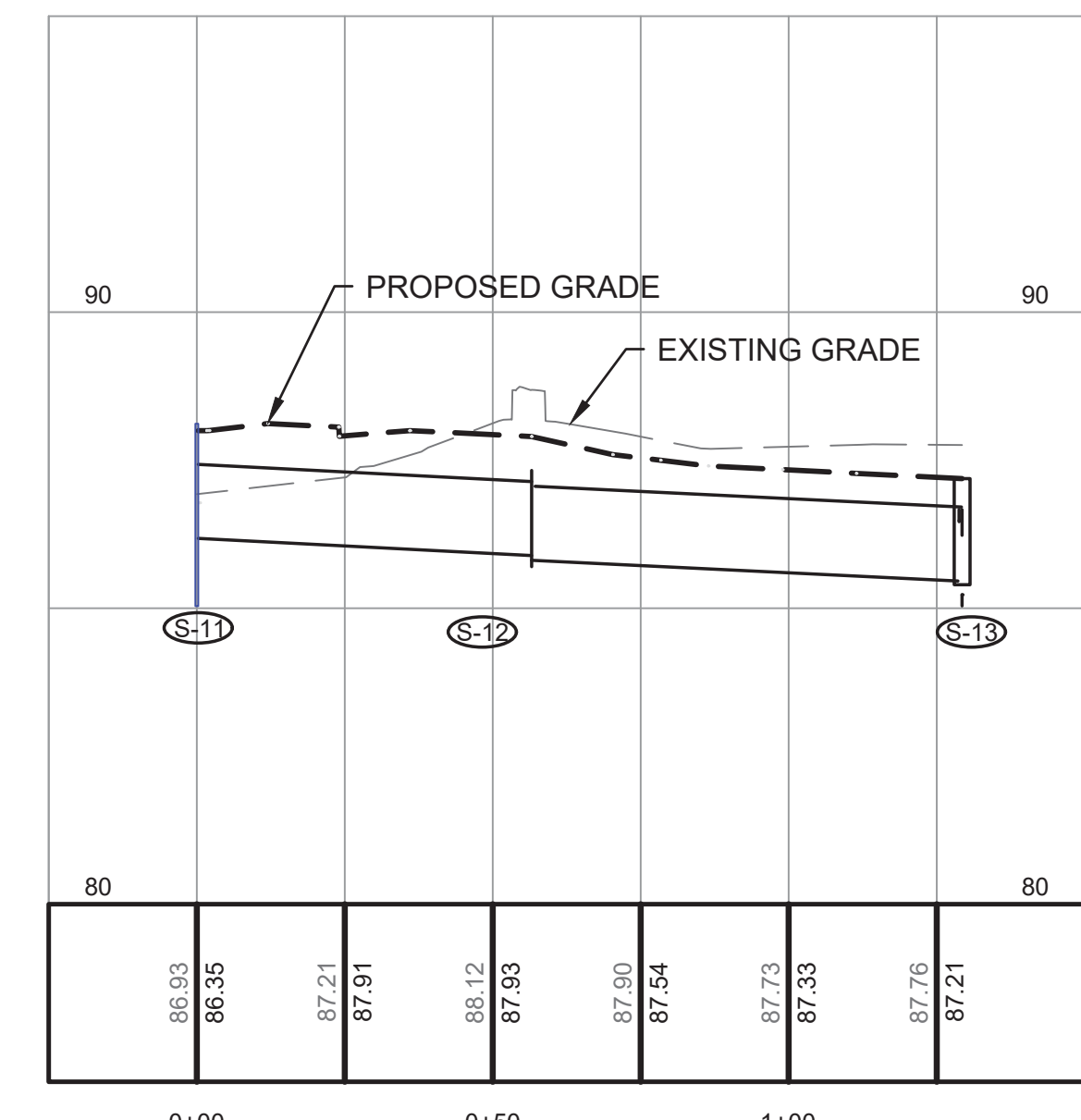
S-5 TO S-7 TO S-8 TO S-9 TO S-10



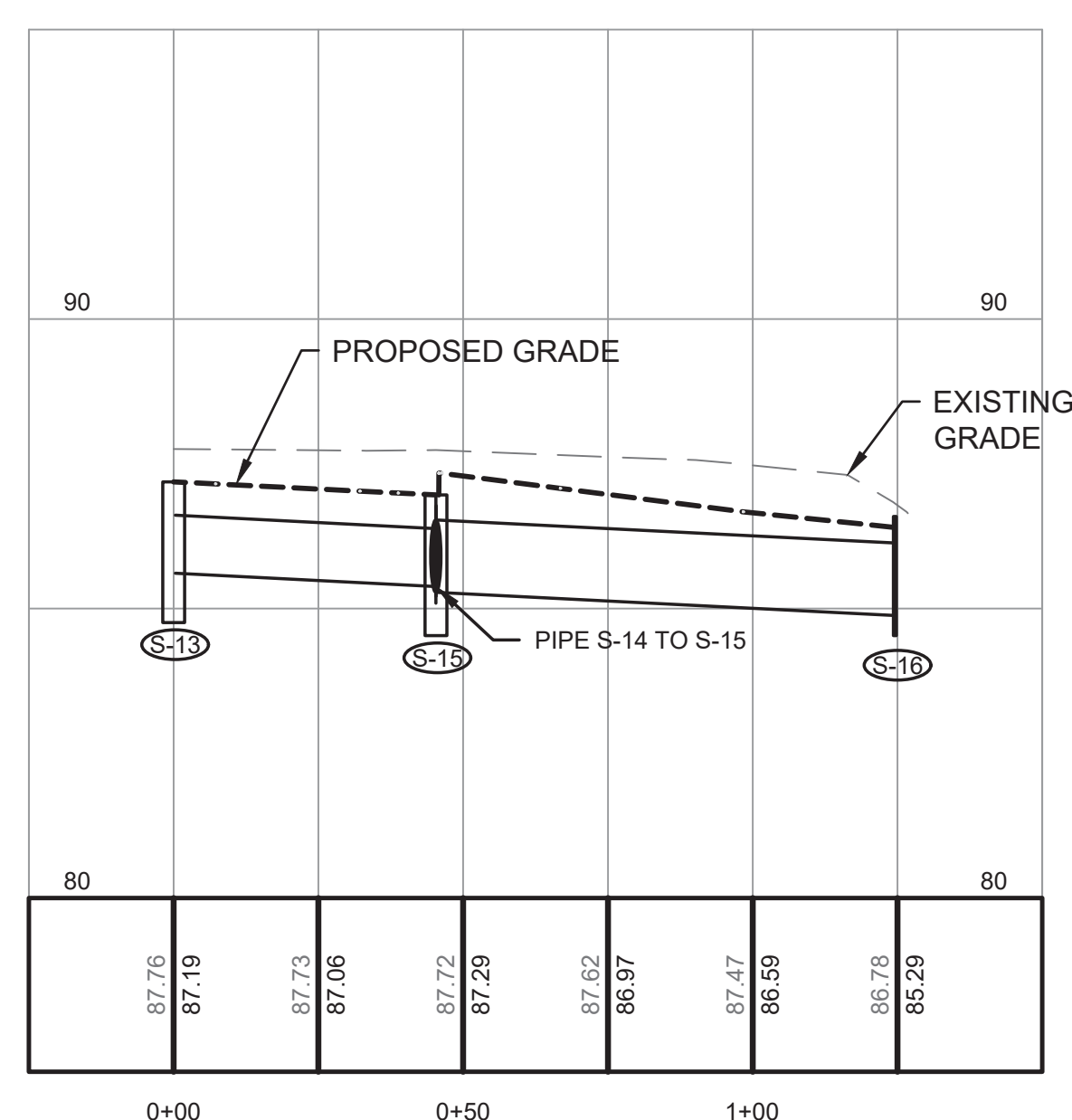
S-6 TO S-7



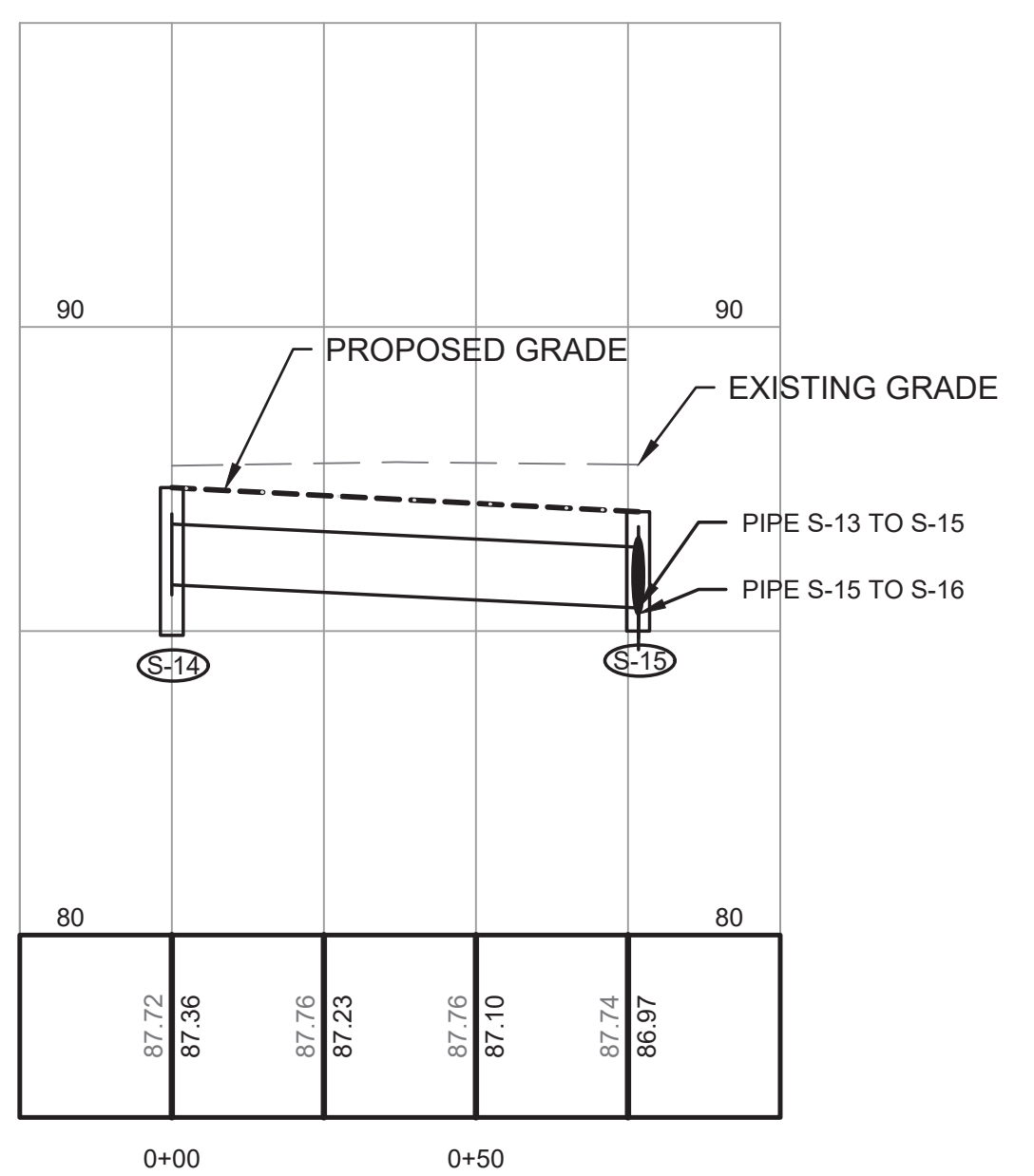
S-8 TO S-9



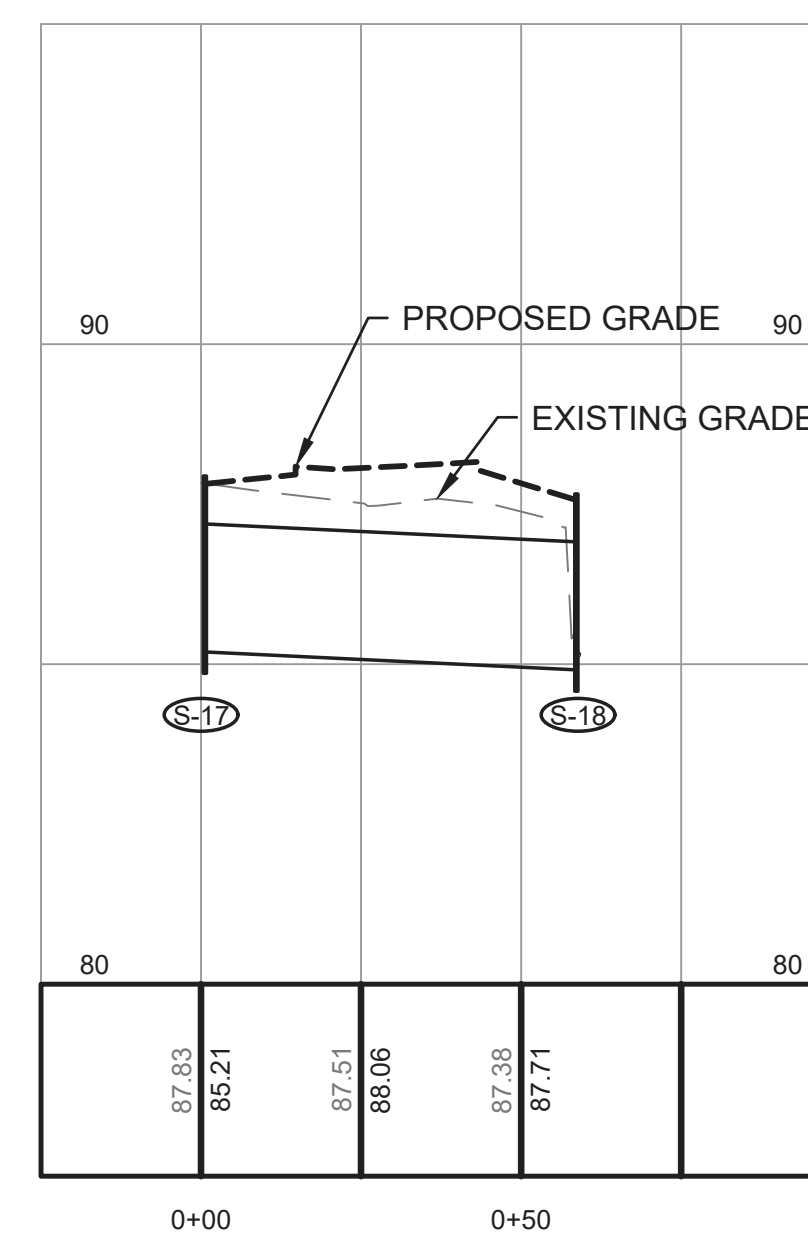
S-11 TO S-12 TO S-13



S-13 TO S-15 TO S-16



S-14 TO S-15



S-17 TO S-18

GENERAL NOTES
1. REFERENCE DIRECTED TO SHEET C2.1 FOR GRADING PLAN, DRAINAGE SUMMARY AND PIPE SUMMARY.

KEY PLAN

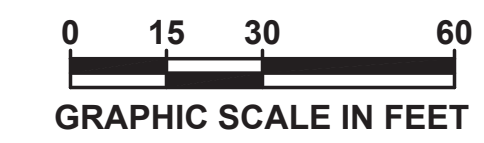
SCO ID # 22-25364-02A

NO	REVISION	DATE

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DRAWING TITLE
STORM PIPE PROFILES

SCALE	1" = 30'-0"	DRAWING NO.	C5.8
DRAWN	AMT		
CHECKED	GMW		
DATE	2-28-2024		
PROJECT NO.	2022-18		



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INC.
ENGINEERS & PLANNERS
6236 CAROLINA BEACH ROAD
WILMINGTON, NC 28412
OFFICE: (704) 954-9008
www.avconinc.com
AVCON STATE LICENSE NO. NC-C-2460
AVCON PROJECT NO. 2022-18-11

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' 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
<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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

- SELECT FLOCCULANTS THAT ARE APPROPRIATE FOR THE SOILS BEING EXPOSED DURING CONSTRUCTION, SELECTING FROM THE NC DWR LIST OF APPROVED PAMS/FLOCCULANTS.
- APPLY FLOCCULANTS AT OR BEFORE THE INLETS TO EROSION AND SEDIMENT CONTROL MEASURES.
- APPLY FLOCCULANTS AT THE CONCENTRATIONS SPECIFIED IN THE NC DWR LIST OF APPROVED PAMS/FLOCCULANTS AND IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
- PROVIDE PONDING AREA FOR CONTAINMENT OF TREATED STORMWATER BEFORE DISCHARGING OFFSITE.
- STORE FLOCCULANTS IN LEAK-PROOF CONTAINERS THAT ARE KEPT UNDER STORM-RESISTANT COVER OR SURROUNDED BY SECONDARY CONTAINMENT STRUCTURES.

EQUIPMENT AND VEHICLE MAINTENANCE

- MAINTAIN VEHICLES AND EQUIPMENT TO PREVENT DISCHARGE OF FLUIDS.
- PROVIDE DRIP PANS UNDER ANY STORED EQUIPMENT.
- IDENTIFY LEAKS AND REPAIR AS SOON AS FEASIBLE, OR REMOVE LEAKING EQUIPMENT FROM THE PROJECT.
- COLLECT ALL SPENT FLUIDS, STORE IN SEPARATE CONTAINERS AND PROPERLY DISPOSE AS HAZARDOUS WASTE (RECYCLE WHEN POSSIBLE).
- REMOVE LEAKING VEHICLES AND CONSTRUCTION EQUIPMENT FROM SERVICE UNTIL THE PROBLEM HAS BEEN CORRECTED.
- 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

- NEVER BURY OR BURN WASTE. PLACE LITTER AND DEBRIS IN APPROVED WASTE CONTAINERS.
- PROVIDE A SUFFICIENT NUMBER AND SIZE OF WASTE CONTAINERS (E.G DUMPSTER, TRASH RECEPTACLE) ON SITE TO CONTAIN CONSTRUCTION AND DOMESTIC WASTES.
- LOCATE WASTE CONTAINERS AT LEAST 50 FEET AWAY FROM STORM DRAIN INLETS AND SURFACE WATERS UNLESS NO OTHER ALTERNATIVES ARE REASONABLY AVAILABLE.
- 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.
- COVER WASTE CONTAINERS AT THE END OF EACH WORKDAY AND BEFORE STORM EVENTS OR PROVIDE SECONDARY CONTAINMENT. REPAIR OR REPLACE DAMAGED WASTE CONTAINERS.
- ANCHOR ALL LIGHTWEIGHT ITEMS IN WASTE CONTAINERS DURING TIMES OF HIGH WINDS.
- EMPTY WASTE CONTAINERS AS NEEDED TO PREVENT OVERFLOW. CLEAN UP IMMEDIATELY IF CONTAINERS OVERFLOW.
- DISPOSE WASTE OFF-SITE AT AN APPROVED DISPOSAL FACILITY.
- ON BUSINESS DAYS, CLEAN UP AND DISPOSE OF WASTE IN DESIGNATED WASTE CONTAINERS.

PAINT AND OTHER LIQUID WASTE

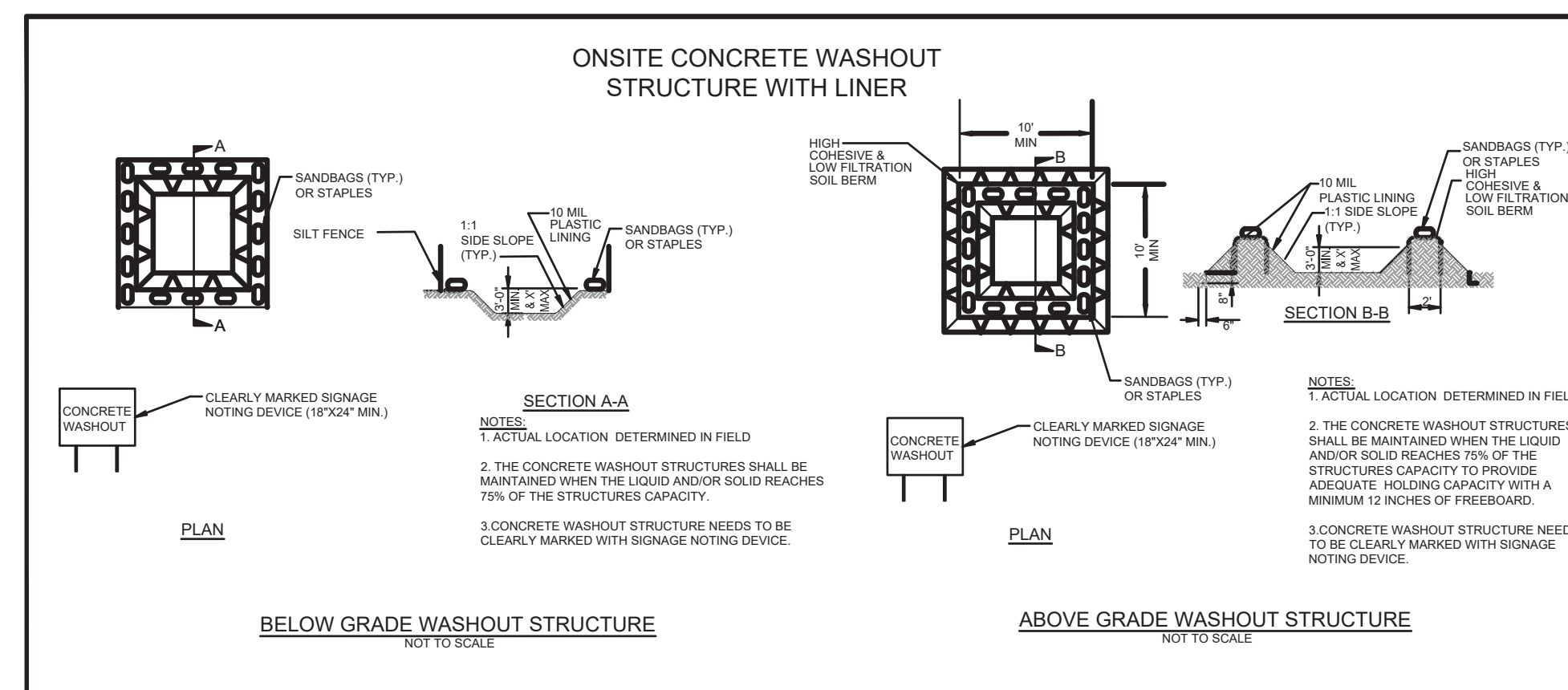
- DO NOT DUMP PAINT AND OTHER LIQUID WASTE INTO STORM DRAINS, STREAMS OR WETLANDS.
- LOCATE PAINT WASHOUTS AT LEAST 50 FEET AWAY FROM STORM DRAIN INLETS AND SURFACE WATERS UNLESS NO OTHER ALTERNATIVES ARE REASONABLY AVAILABLE.
- CONTAIN LIQUID WASTES IN A CONTROLLED AREA.
- CONTAINMENT MUST BE LABELED, SIZED AND PLACED APPROPRIATELY FOR THE NEEDS OF SITE.
- PREVENT THE DISCHARGE OF SOAPS, SOLVENTS, DETERGENTS AND OTHER LIQUID WASTES FROM CONSTRUCTION SITES.

PORTABLE TOILETS

- 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.
- PROVIDE STAKING OR ANCHORING OF PORTABLE TOILETS DURING PERIODS OF HIGH WINDS OR IN HIGH FOOT TRAFFIC AREAS.
- 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

- 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.
- PROTECT STOCKPILE WITH SILT FENCE INSTALLED ALONG TOE OF SLOPE WITH A MINIMUM OFFSET OF FIVE FEET FROM THE TOE OF STOCKPILE.
- PROVIDE STABLE STONE ACCESS POINT WHEN FEASIBLE.
- 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.



CONCRETE WASHOUTS

- DO NOT DISCHARGE CONCRETE OR CEMENT SLURRY FROM THE SITE.
- DISPOSE OF, OR RECYCLE SETTLED, HARDENED CONCRETE RESIDUE IN ACCORDANCE WITH LOCAL AND STATE SOLID WASTE REGULATIONS AND AT AN APPROVED FACILITY.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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

- STORE AND APPLY HERBICIDES, PESTICIDES AND RODENTICIDES IN ACCORDANCE WITH LABEL RESTRICTIONS.
- 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.
- 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.
- DO NOT STOCKPILE THESE MATERIALS ONSITE.

HAZARDOUS AND TOXIC WASTE

- CREATE DESIGNATED HAZARDOUS WASTE COLLECTION AREAS ONSITE.
- PLACE HAZARDOUS WASTE CONTAINERS UNDER COVER OR IN SECONDARY CONTAINMENT.
- DO NOT STORE HAZARDOUS CHEMICALS, DRUMS OR BAGGED MATERIALS DIRECTLY ON THE GROUND.

MATERIALS KEYING LEGEND

GENERAL NOTES

KEY PLAN

SCO ID # 22-25364-02A

NO. REVISION DATE



JKF
ARCHITECTURE

625 LYNNDALE CT., SUITE F, GREENVILLE, NC 27658 252.355.1048

LENOIR COMMUNITY COLLEGE
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KINSTON, NC

DRAWING TITLE
EROSION AND SEDIMENT CONTROL
NOTES (SHEET 1 OF 3)

SCALE	NONE	DRAWING NO.	
DRAWN	AMT		
CHECKED	GMW		
DATE	2-28-2024		
PROJECT NO.	2022-18		



**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 or holiday periods, and no individual-day rainfall information is available, record the cumulative rain measurement for those unattended days (and 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 once per 7 calendar days and within 24 hours of a rain event \geq 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 once per 7 calendar days and within 24 hours of a rain event \geq 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 of corrective actions taken.
(4) Perimeter of site	At least once per 7 calendar days and within 24 hours of a rain event \geq 1.0 inch in 24 hours	If visible sedimentation is found outside site limits, then a record of the following shall be made: 1. Actions taken to clean up or stabilize the sediment that has left the site limits, 2. Description, evidence, and date of corrective actions taken, and 3. An explanation as to the actions taken to control future releases.
(5) Streams or wetlands onsite or offsite (where accessible)	At least once per 7 calendar days and within 24 hours of a rain event \geq 1.0 inch in 24 hours	If the stream or wetland has increased visible sedimentation or a stream 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, and 2. Records of the 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 an 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	Documentation 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 or if 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 Timeframes (After Discovery) and Other Requirements
(a) Visible sediment deposition in a stream or wetland	<ul style="list-style-type: none"> • 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 causes, 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	<ul style="list-style-type: none"> • 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)]	<ul style="list-style-type: none"> • 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)]	<ul style="list-style-type: none"> • 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)]	<ul style="list-style-type: none"> • 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.

**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.

NCG01 SELF-INSPECTION, RECORDKEEPING AND REPORTING

EFFECTIVE: 04/01/19



AVCON, INC.
ENGINEERS & PLANNERS
6230 CAROLINA BEACH ROAD
WILMINGTON, NC 28412
OFFICE: (704) 954-9008
WWW.AVCON.COM
AVCON STATE LICENSE NO. NC-0-0860
AVCON PROJECT NO. 2022-0137

MATERIALS KEYING LEGEND

GENERAL NOTES

KEY PLAN

SCO ID # 22-25364-02A

NO	REVISION	DATE



JKF
ARCHITECTURE

625 LYNNDALE CT., SUITE F, GREENVILLE, NC 27608 252.355.1048

LENOIR COMMUNITY COLLEGE
NEW AVIATION CENTER FOR EXCELLENCE
KINSTON, NC

DRAWING TITLE
EROSION AND SEDIMENT CONTROL NOTES (SHEET 2 OF 3)

SCALE	NONE	DRAWING NO.
DRAWN	AMT	C6.2
CHECKED	GMW	
DATE	2-28-2024	
PROJECT NO.	2022-18	

SITE WORK, GRADING, AND DRAINAGE NOTES

1. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR HAVING VISITED THE SITE AND HAVING FAMILIARIZED HIMSELF WITH THE EXISTING CONDITIONS PRIOR TO SUBMITTING HIS BID.
2. THE CONTRACTOR SHALL UTILIZE A NORTH CAROLINA LICENSED SURVEYOR FOR CONSTRUCTION RELATED STAKE-OUT REQUIREMENTS.
3. THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE IN ALL DISTURBED AREAS AND DEWATER AS NECESSARY.
4. ALL DISTURBED AREAS, INCLUDING THE CONTRACTORS STAGING AREA, HAIL ROUTES, GRADING LIMITS, ETC., SHALL BE RESTORED TO A SMOOTH LINE AND GRADE WITH POSITIVE DRAINAGE. THE CONTRACTOR SHALL SEED AND MULCH ALL DISTURBED AREAS. THERE WILL BE NO MEASUREMENT FOR PAYMENT OF SEEDING AND MULCHING REQUIRED FOR AREAS OUTSIDE LIMITS OF DISTURBANCE DISTURBED BY THE CONTRACTOR.
5. THE CONTRACTOR WILL BE REQUIRED TO TRANSPORT AND STORE ALL EQUIPMENT AND MATERIALS IN A MANNER WHICH WILL NOT DAMAGE ANY EXISTING PAVEMENT, BUILDINGS, SIGNS, FACILITIES, ETC. ANY DAMAGE WILL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER. THE CONTRACTOR SHALL KEEP ACCESS ROUTES CLEAN AND FREE OF LOOSE DEBRIS FROM CONSTRUCTION MATERIALS. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR DAILY CLEARING ALL DEBRIS FROM PAVEMENTS TRAVERSED BY CONSTRUCTION EQUIPMENT.

EROSION AND SEDIMENT CONTROL NOTES

1. THE CONTRACTOR SHALL PROVIDE SILT FENCE AND/OR CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED AND STABILIZED WITH GRASSING IMMEDIATELY AFTER CONSTRUCTION.
2. EXCEPT AS PROVIDED BELOW, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER A CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.
3. CONTRACTORS TEMPORARY EROSION CONTROL - TEMPORARY DRAINS, SILT FENCING, AND DRAINAGE DITCHES, ETC. NOT SHOWN ON THE PLANS OR NOTED HEREIN, SHALL BE INSTALLED BY THE CONTRACTOR TO INTERCEPT OR DIVERT SURFACE WATER RUNOFF WHICH MAY AFFECT THE WORK. THESE DRAINS AND DITCHES SHALL BE MAINTAINED BY THE CONTRACTOR THROUGHOUT THE DURATION OF THE CONTRACT. UPON COMPLETION, THE CONTRACTOR SHALL RESTORE THE SITE TO ITS ORIGINAL CONDITION.
4. SPECIFICATIONS ARE PROVIDED AS OUTLINE REQUIREMENTS FOR THE CONTRACTOR TO APPLY WATER, CHEMICALS, VEGETATION OR OTHER MATERIALS TO PREVENT THE OCCURRENCE OF DUST WHICH WILL BE OBJECTIONABLE TO THE OPERATIONS/USERS OF THE AIRPORT AS OUTLINED IN THE PROJECT SPECIAL PROVISIONS. NO SEPARATE PAYMENT WILL BE MADE. CONTRACTOR SHALL ALSO BE OBLIGATED TO DISCONTINUE OPERATIONS WHICH VIOLATE EXISTING LAWS AND REGULATIONS.
5. CONTRACTOR SHALL LIMIT AREAS OF DISTURBANCE AS MUCH AS POSSIBLE DURING THE COURSE OF THE PROJECT, AND STABILIZE AREAS AS WORK IS COMPLETED. NO SEPARATE MEASUREMENT WILL BE MADE FOR PAYMENT FOR AREAS REQUIRING SEEDING AND MULCHING OUTSIDE OF THE LIMITS OF CONSTRUCTION, THIS WORK SHALL BE PAID AT THE CONTRACTORS EXPENSE.
6. ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED BY THE CONTRACTOR EVERY SEVEN (7) DAYS OR AFTER EACH RAINFALL OCCURRENCE THAT EXCEEDS ONE-HALF (1/2) INCH. DAMAGED OR INEFFECTIVE DEVICES SHALL BE REPAIRED OR REPLACED AS NECESSARY BY THE CONTRACTOR, NO SEPARATE PAYMENT WILL BE MADE.
7. ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED UNLESS OTHERWISE ORDERED BY THE ENGINEER.
8. THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO THE PAVED ROADWAY CONSTRUCTION AREAS. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, OR AS DIRECTED BY ENGINEER.
9. REMOVAL OF A SEDIMENT AND EROSION CONTROL MEASURE SHALL BE AS DIRECTED BY NCDEQ AND THE ENGINEER. NO MEASURE SHALL BE REMOVED UNTIL DIRECTED TO THE CONTRACTOR IN WRITING.

EROSION AND SEDIMENT CONTROL PHASING

1. OBTAIN ALL NECESSARY PERMITS IF REQUIRED.
2. CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES PRIOR TO ANY EXCAVATION.
3. MAINTAIN NPDES TEMPORARY SEEDING SCHEDULE FOR ALL EXPOSED SOILS FOR DURATION OF CONSTRUCTION.
4. INSTALL CONSTRUCTION ENTRANCE IF REQUIRED.
5. INSTALL ALL INITIAL EROSION CONTROL MEASURES AS SHOWN.
6. INSPECTOR TO PERFORM ON-SITE INSPECTION TO APPROVE PERIMETER EROSION CONTROL DEVICES.
7. PROCEED WITH GRADING.
8. REPAIR AND REPLACE ALL EROSION CONTROL MEASURES AS NEEDED.
9. SEED AND MULCH DENUDED AREA, AS REQUIRED, AFTER FINISHED GRADES ARE ESTABLISHED.
10. MAINTAIN SOIL EROSION CONTROL MEASURES UNTIL PERMANENT GROUND COVER IS ESTABLISHED.

TEMPORARY SEEDING SCHEDULE - SUMMER MIXTURE

SEEDING MIXTURE SPECIES RATE (LB/ACRE)
 (GRAIN) 40

IN THE MOUNTAINS, A SMALL-STEMMED SUDANGRASS MAY BE SUBSTITUTED AT A RATE OF 50 LBS/ACRE.

SEEDING DATES:
 COASTAL PLAIN: APRIL 15 - AUG. 15

SOIL AMENDMENTS
 FOLLOW RECOMMENDATIONS OF SOIL TESTS, OR APPLY 2,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 750 LB/ACRE 10-10-10 FERTILIZER.

MULCH
 APPLY 4,000 LB/ACRE STRAW. 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
 RE-FERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RE-SEED, RE-FERTILIZE AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

TEMPORARY SEEDING SCHEDULE - FALL MIXTURE

SEEDING MIXTURE SPECIES RATE (LB/ACRE)
 RYE (GRAIN) 120

SEEDING DATES:
 COASTAL PLAIN: AUG. 15 - DEC. 15

SOIL AMENDMENTS
 FOLLOW RECOMMENDATIONS OF SOIL TESTS, OR APPLY 2,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 1,000 LB/ACRE 10-10-10 FERTILIZER.

MULCH
 APPLY 4,000 LB/ACRE STRAW. 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
 REPAIR AND RE-FERTILIZE DAMAGED AREAS IMMEDIATELY. TOPDRESS WITH 50 LB/ACRE OF NITROGEN IN MARCH, IF IT IS NECESSARY TO EXTEND TEMPORARY COVER BEYOND JUNE 15, OVERSEED WITH 50 LBS/ACRE KOBE LEPEDEZA IN LATE FEBRUARY OR EARLY MARCH.

TEMPORARY SEEDING SCHEDULE LATE WINTER / EARLY SPRING MIXTURE

SEEDING MIXTURE SPECIES RATE (LB/ACRE)
 RYE (GRAIN) 120
 ANNUAL LESPEDEZA 50
 (KOBE IN PIEDMONT AND COASTAL PLAIN, KOREAN IN MOUNTAINS)

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

SEEDING DATES:
 COASTAL PLAIN: DEC 1 - APRIL 15

SOIL AMENDMENTS
 FOLLOW RECOMMENDATIONS OF SOIL TESTS, OR APPLY 2,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 750 LB/ACRE 10-10-10 FERTILIZER.

MULCH
 APPLY 4,000 LB/ACRE STRAW. 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
 RE-FERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RE-SEED, RE-FERTILIZE AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

PERMANENT SEEDING SCHEDULE - MIXTURE

SEEDING MIXTURE SPECIES RATE (LB/ACRE)
 TALL FESCUE 80
 PENSACOLA BAHIAGRASS 50
 SERICEA LESPEDEZA 30
 KOBE LESPEDEZA 10

SEEDING NOTE:
 1. FROM SEPT. 1-MAR. 1, USE UNSCARIFIED SEED FOR SERICEA LESPEDEZA.
 2. ON POORLY DRAINED SITES, OMIT SERICEA AND INCREASE KOBE TO 30 LB/ACRE.
 3. WHERE A NEAT APPEARANCE IS DESIRED, OMIT SERICEA AND INCREASE KOBE TO 40 LB/ACRE.

NURSE PLANTS
 BETWEEN APRIL 15 AND AUG. 15, ADD 10 LB/ACRE GERMAN MILLET OR 15 LB/ACRE SUDANGRASS. 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 TESTS, OR APPLY 3,000-5,000LBS/ACRE GROUND AGRICULTURAL LIMESTONE (USE THE LOWER RATE ON SANDY SOILS) AND 1,000 LB/ACRE 10-10-10 FERTILIZER.

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

MAINTENANCE
 IF GROWTH IS LESS THAN FULLY ADEQUATE, RE-FERTILIZE IN THE SECOND YEAR, ACCORDING TO SOIL TESTS OR TOPDRESS WITH 500 LB/ACRE 10-10-10 FERTILIZER. MOW AS NEEDED WHEN SERICEA IS OMITTED FROM THE MIXTURE. RESEED, FERTILIZE AND MULCH DAMAGED AREAS IMMEDIATELY.

MAINTENANCE PLAN

1. ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EACH RAINFALL EVENT AND/OR NO LESS THAN ONCE EVERY WEEK.
2. ANY NEEDED REPAIRS SHALL BE MADE IMMEDIATELY TO ENSURE CONTINUED FUNCTION OF ALL PRACTICES AS DESIGNED.
3. ALL SEEDED AREAS SHALL BE RE-SEED, FERTILIZED, AND MULCHED AS NECESSARY TO ESTABLISH SUITABLE GROUND COVER, ACCORDING TO THE SEEDING AND MULCHING SPECIFICATIONS.
4. CONTRACTOR TO PERFORM ROUTINE REVIEW OF THE SILT FENCES TO ENSURE PROPER FUNCTION. FENCES TO BE CLEANED ONCE SEDIMENT DEPTH REACHES 6".
5. ADDITIONAL MAINTENANCE, AS REQUIRED BY NCDEQ AND THE ENGINEER, SHALL BE COMPLETED AS DIRECTED.

MATERIALS KEYING LEGEND

GENERAL NOTES

KEY PLAN

SCO ID # 22-25364-02A

NO	REVISION	DATE



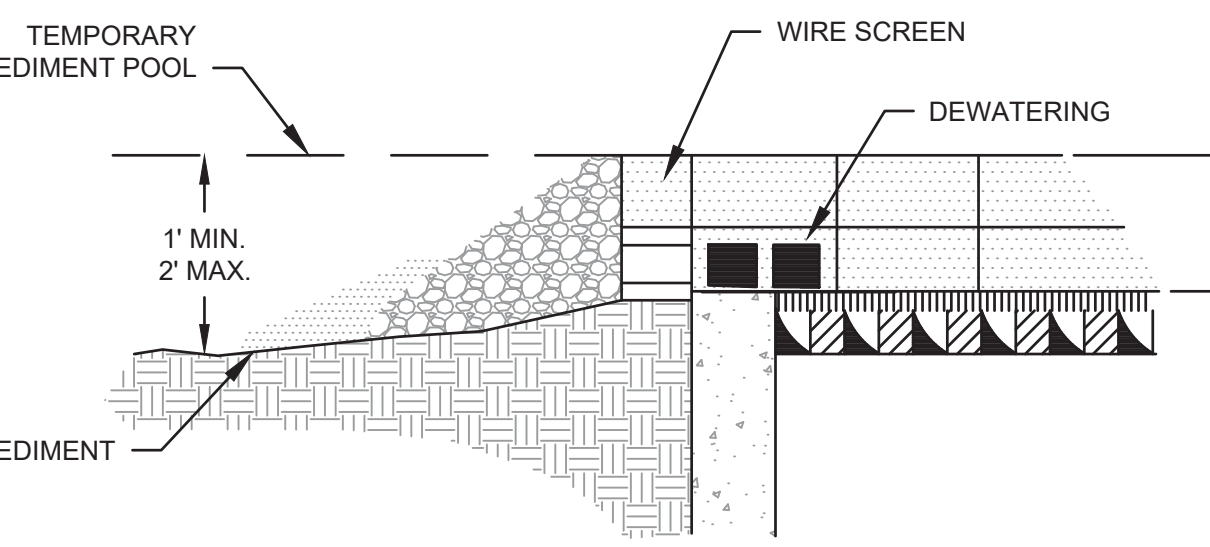
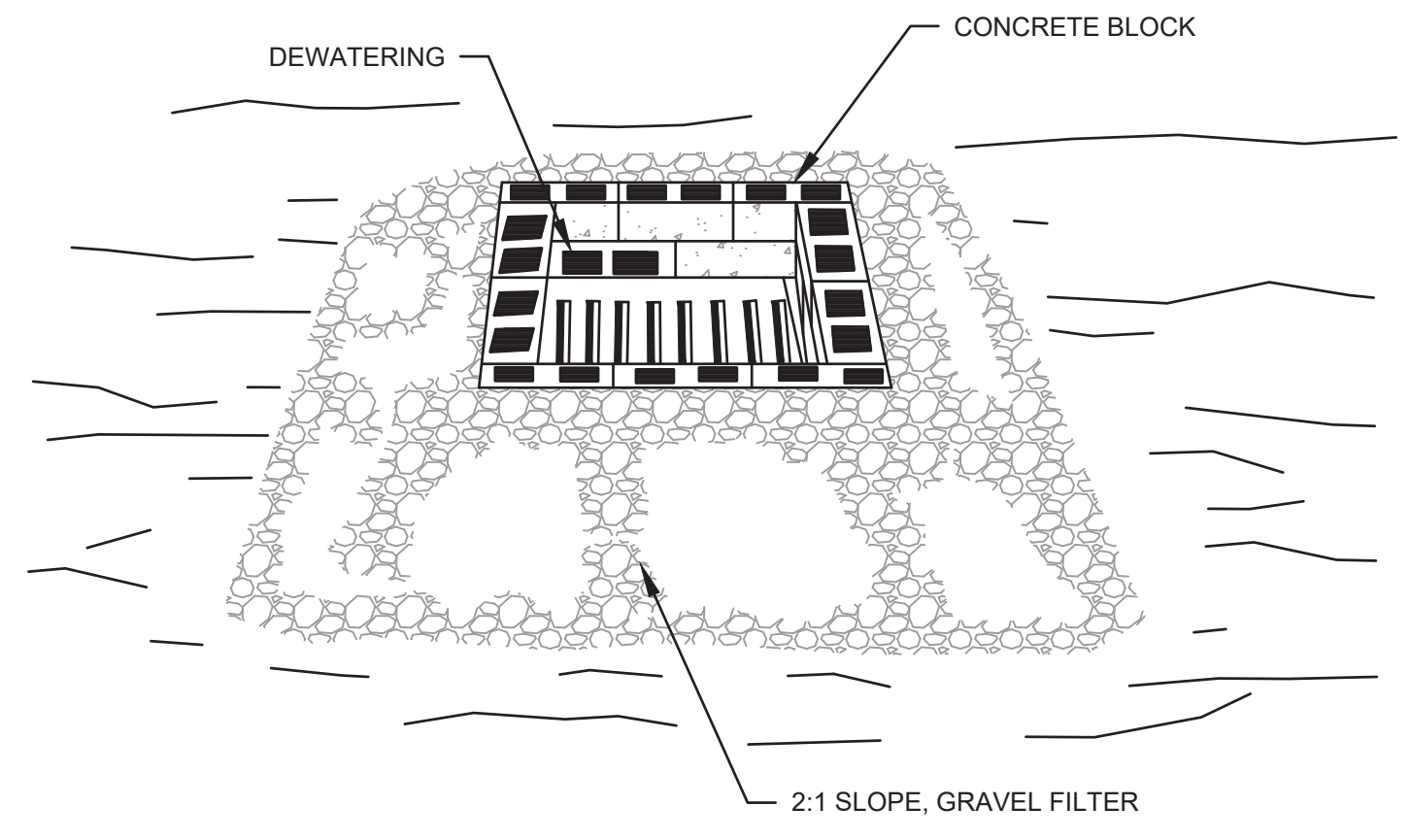
625 LYNDALE CT., SUITE F, GREENVILLE, NC 27658 252.355.1048

LENOIR COMMUNITY COLLEGE
 NEW AVIATION CENTER FOR EXCELLENCE
 KINSTON, NC

DRAWING TITLE
 EROSION AND SEDIMENT CONTROL NOTES (SHEET 3 OF 3)



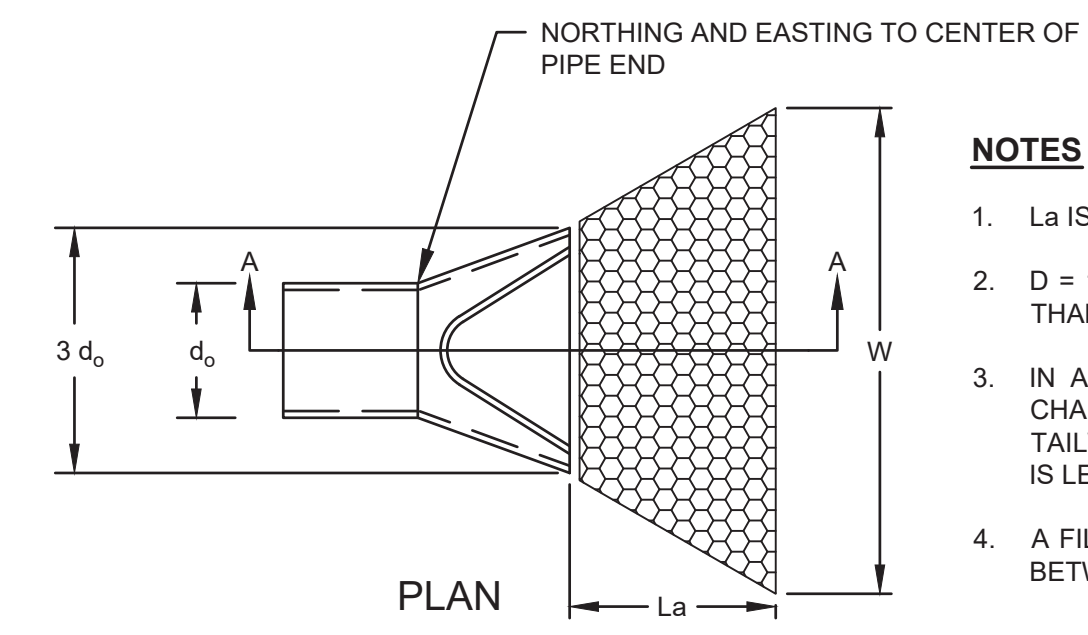
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DRAWN	AMT	C6.3
CHECKED	GMW	
DATE	2-28-2024	
PROJECT NO	2022-18	



BLOCK AND GRAVEL INLET PROTECTION
NOT TO SCALE

NOTES:

- LAY ONE BLOCK ON EACH SIDE OF THE STRUCTURE ON ITS SIDE ON THE BOTTOM ROW TO ALLOW POOL DRAINAGE. THE FOUNDATION SHOULD BE EXCAVATED AT LEAST 2 INCH BELOW THE CREST OF THE STORM DRAIN. PLACE THE BOTTOM ROW OF THE BLOCK AGAINST THE EDGE OF THE STORM DRAIN FOR LATERAL SUPPORT AND TO AVOID WASHOUTS WHEN OVERFLOW OCCURS. IF NEEDED, GIVE LATERAL SUPPORT TO SUBSEQUENT ROWS BY PLACING 2x4 WOOD STUDS THROUGH BLOCK OPENINGS.
- CAREFULLY FIT HARDWARE CLOTH OR COMPARABLE WIRE MESH WITH 1/2-INCH OPENING OVER ALL BLOCK OPENING TO HOLD GRAVEL IN PLACE.
- USE CLEAN GRAVEL, 3/4-TO 1/2-INCH IN DIAMETER, PLACED 2 INCHES BELOW THE TOP OF THE BLOCK ON A 2:1 SLOPE OR FLATTER AND SMOOTH IT TO AN EVEN GRADE. DOT #57 WASHED STONE IS RECOMMENDED.



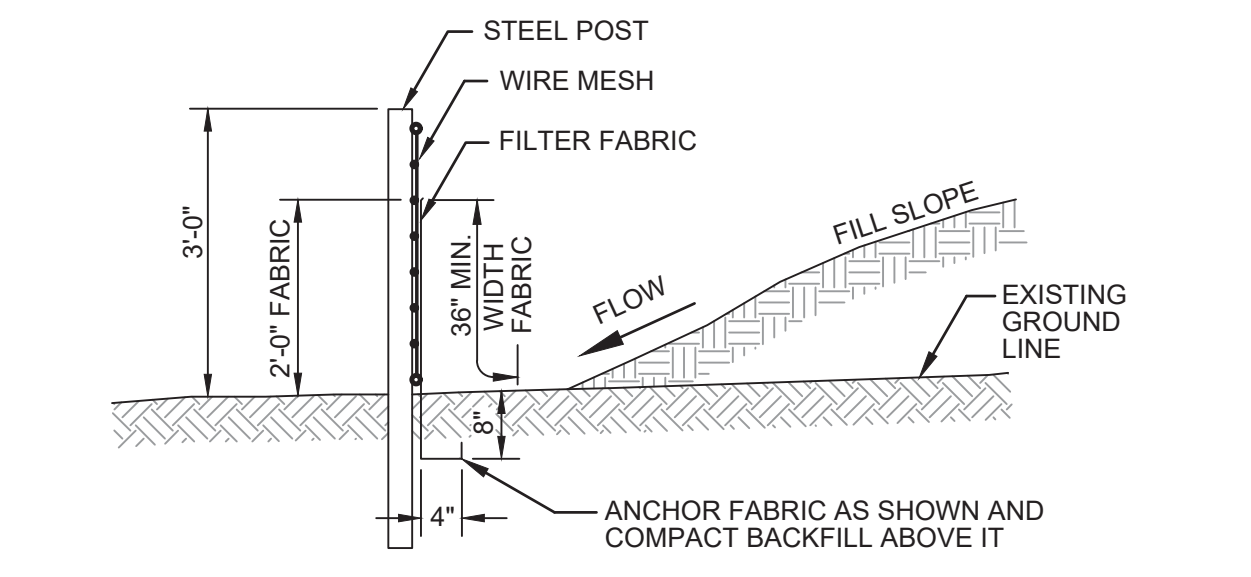
RIPRAP OUTLET PROTECTION
NOT TO SCALE

NOTES

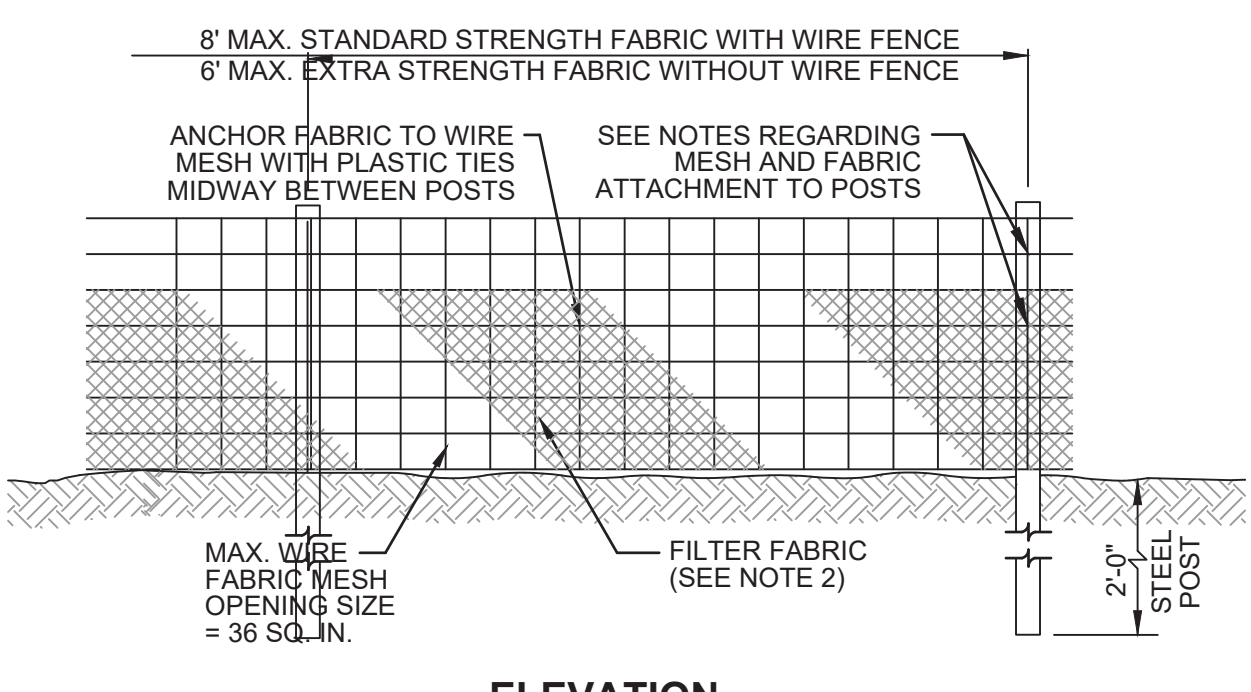
- La IS THE LENGTH OF THE RIPRAP APRON.
- D = 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6".
- IN A WELL DEFINED CHANNEL, EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 6" ABOVE THE MAXIMUM TAILWATER DEPTH OR TO THE TOP OF THE BANK, WHICHEVER IS LESS.
- A FILTER BLANKET, OR FILTER FABRIC, SHOULD BE INSTALLED BETWEEN THE RIPRAP AND SOIL FOUNDATION.

RIPRAP CHART

STR. NO.	OUTLET DESCRIPTION	PIPE SIZE (IN)	RIPRAP CLASS	RIPRAP DEPTH (D) (IN)	La (FT)	W (FT)
S-10	OUTLET PROTECTION	18"	CLASS B	5.5"	8.5	8.5
S-11	INLET PROTECTION	15"	CLASS B	5.5"	8.5	8.5
S-16	OUTLET PROTECTION	15"	CLASS B	5.5"	8.5	8.5
S-17	INTLET PROTECTION	24"	CLASS B	5.5"	9.5	9.5
S-18	OUTLET PROTECTION	24"	CLASS B	5.5"	9.5	9.5



SECTION

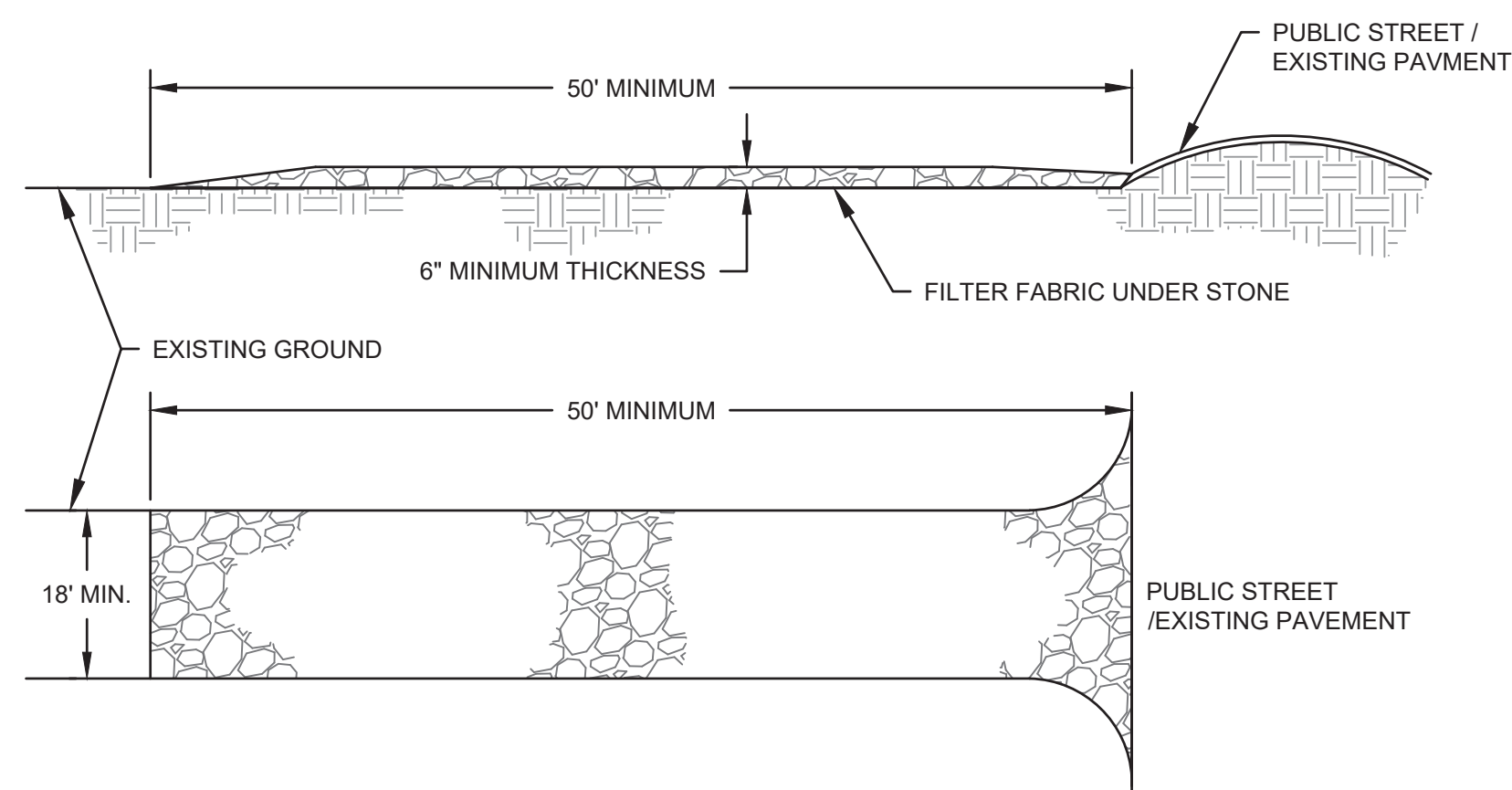


ELEVATION

TEMPORARY SILT FENCE
NOT TO SCALE

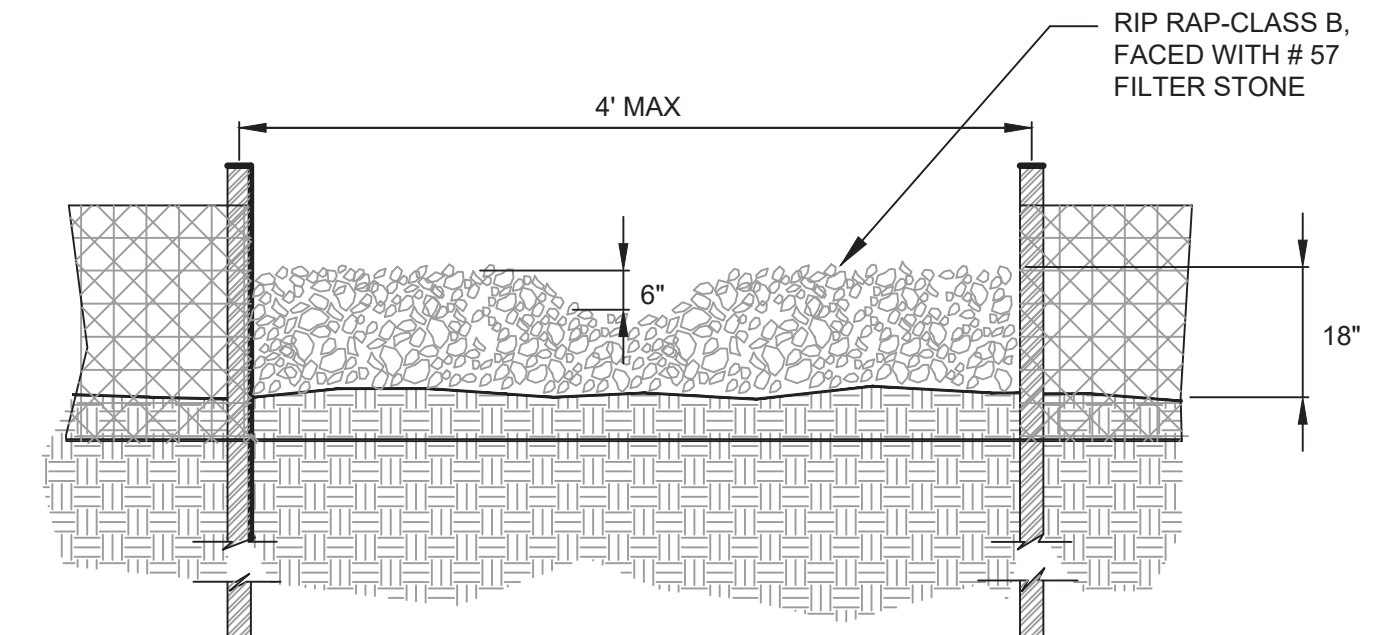
SILT FENCE NOTES:

- SEDIMENT ACCUMULATIONS SHALL BE REMOVED WHEN THE DEPOSITS REACH APPROXIMATELY HALF THE HEIGHT OF THE FABRIC. SHOULD THE FILTER FABRIC COLLAPSE, TEAR, DECOMPOSE, DETERIORATE OR BECOME INEFFECTIVE, IT SHALL BE REPLACED IMMEDIATELY.
- USE A SYNTHETIC FILTER FABRIC OF AT LEAST 95% BY WEIGHT OF POLYOLEFINS OR POLYESTER CONFORMING TO ASTM D 8461 AND SHOULD CONTAIN ULTRAVIOLET RAY INHIBITORS AND STABILIZERS TO PROVIDE A MINIMUM OF 6 MONTHS EXPECTED USABLE CONSTRUCTION LIFE AT A TEMPERATURE RANGE OF 0° F TO 102° F.
- FOR REINFORCEMENT OF STANDARD STRENGTH FILTER FABRIC, USE MIN. 14 GAUGE WIRE FENCE WITH MAX. MESH SPACING OF 6 INCHES.
- IF EXTRA STRENGTH FABRIC IS UTILIZED (ASTM D 4641), WIRE MESH IS OPTIONAL.
- POSTS SHALL BE 1.33 LB/LF STEEL WITH MIN. LENGTH OF 5 FEET AND PROJECTIONS TO FACILITATE FASTENING THE FABRIC.
- ATTACH WIRE MESH TO POST WITH MIN. 4 WIRE OR PLASTIC TIES.
- ATTACH FILTER FABRIC TO EACH POST WITH MIN. 3 WIRE OR PLASTIC TIES WITHIN THE TOP 8 INCHES OF THE FABRIC.
- CONSTRUCT FILTER FABRIC FROM A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID JOINTS. WHEN JOINTS ARE NECESSARY, SECURELY FASTEN THE FILTER FABRIC ONLY TO A SUPPORT POST WITH 4 FEET MIN. OVERLAP TO THE NEXT POST.
- REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.
- THE USE OF SILT FENCE TO ENCOMPASS OR ENCIRCLE DRAINAGE INLETS AND STRUCTURES IS PROHIBITED. ANY DAMAGED CAUSED BY THE USE OF SILT FENCE NOT SPECIFICALLY ALLOWED SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER.
- AT NO TIME SHALL SILT FENCE BE PLACED WITHIN CONCENTRATED FLOW, EXISTING OR PROPOSED DITCHES, OR TEMPORARY DITCHES AND CONVEYANCE MEASURES.



- A STABILIZED PAD OF RAILROAD BALLAST SHALL BE LOCATED WHERE TRAFFIC WILL ENTER OR LEAVE A CONSTRUCTION SITE ON TO A PUBLIC STREET.
- STONE TO BE 2" - 3" STONE.
- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT. STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
- ALL SEDIMENT SPILLED, DROPPED WASHED OR TRACKED ONTO PUBLIC STREETS MUST BE REMOVED IMMEDIATELY.
- WHEN NECESSARY, WHEELS MUST BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTERING A PUBLIC STREET. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT BASIN.
- FILTER FABRIC SHALL BE MIRAFI 500 OR EQUAL.

STABILIZED CONSTRUCTION ENTRANCE DETAIL
NOT TO SCALE



NOTES:

- SILT FENCE STONE OUTLET SHALL BE INSTALLED ALONG PERIMETER OF THE GRADING LIMITS AT 100 FOOT INTERVALS, LOW SPOTS AND AS ORDERED BY THE ENGINEER. OUTLETS SHOULD ALSO BE INSTALLED AT OUTFALLS FOR TEMPORARY SLOPE DRAINS OR COMBINATION OF OUTFALLS. DRAINAGE AREAS OF OUTLETS SHOULD BE MINIMIZED AS PRACTICAL.
- THE COST OF STONE SHALL BE INCIDENTAL TO SILT FENCE.
- THIS METHOD IS TO BE USED ON BOTH SILT FENCE AND SPECIAL SEDIMENT CONTROL FENCE.

SILT FENCE STONE OUTLET DETAIL
NOT TO SCALE

MATERIALS KEYING LEGEND

GENERAL NOTES

KEY PLAN

SCO ID # 22-25364-02A

NO	REVISION	DATE

JKF
 ARCHITECTURE

625 LYNNDALE CT., SUITE F, GREENVILLE, NC 27658 252.355.1048

LENOIR COMMUNITY COLLEGE
NEW AVIATION CENTER FOR EXCELLENCE
 KINSTON, NC

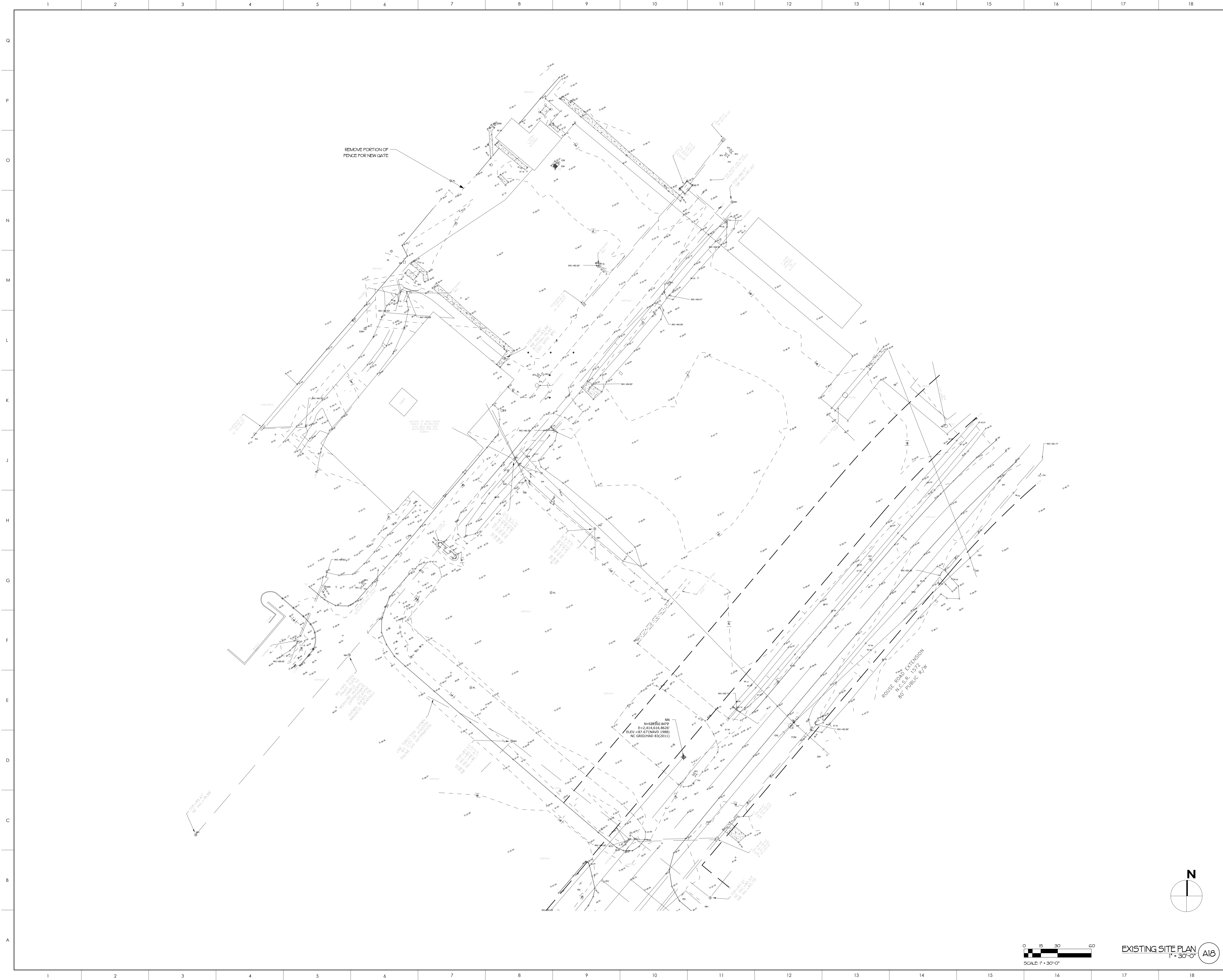
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EROSION AND SEDIMENT CONTROL DETAILS

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DRAWN	AMT		
CHECKED	GMW		
DATE	2-28-2024		
PROJECT NO.	2022-18		

AVCON

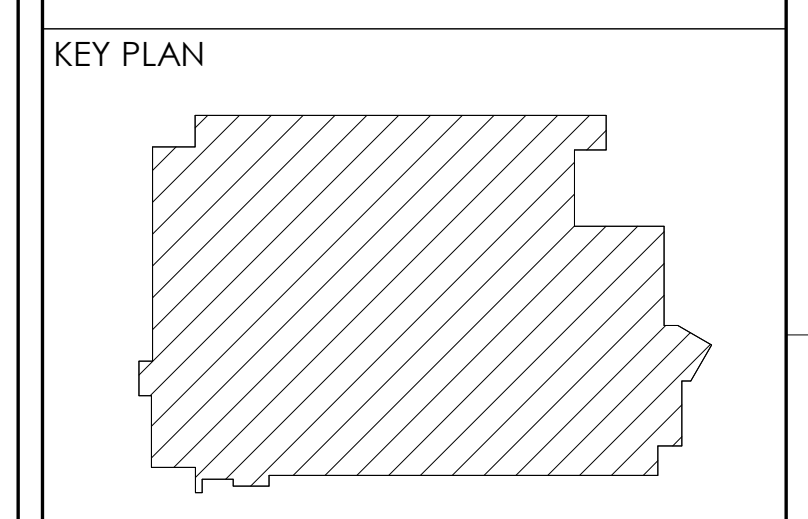
AVCON, INC.
 ENGINEERS & PLANNERS
 6250 CAROLINA BEACH ROAD
 WILMINGTON, NC 28412
 OFFICE: (704) 954-9008

www.avconinc.com
 AVCON STATE LICENSE NO. NC-C-4860
 AVCON PROJECT NO. 2022-18-01



MATERIALS KEYING LEGEND

GENERAL NOTES
 1. SURVEY INFORMATION BY MATRIX EAST, PLLC, DATED 2/1/2023



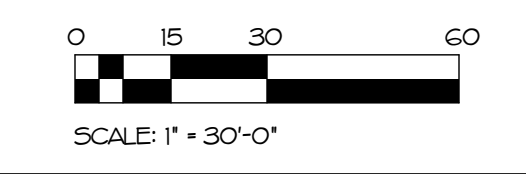
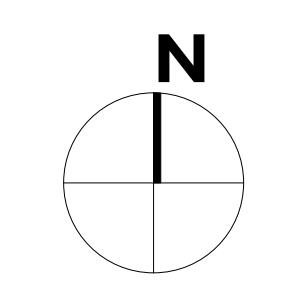
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NO	REVISION	DATE

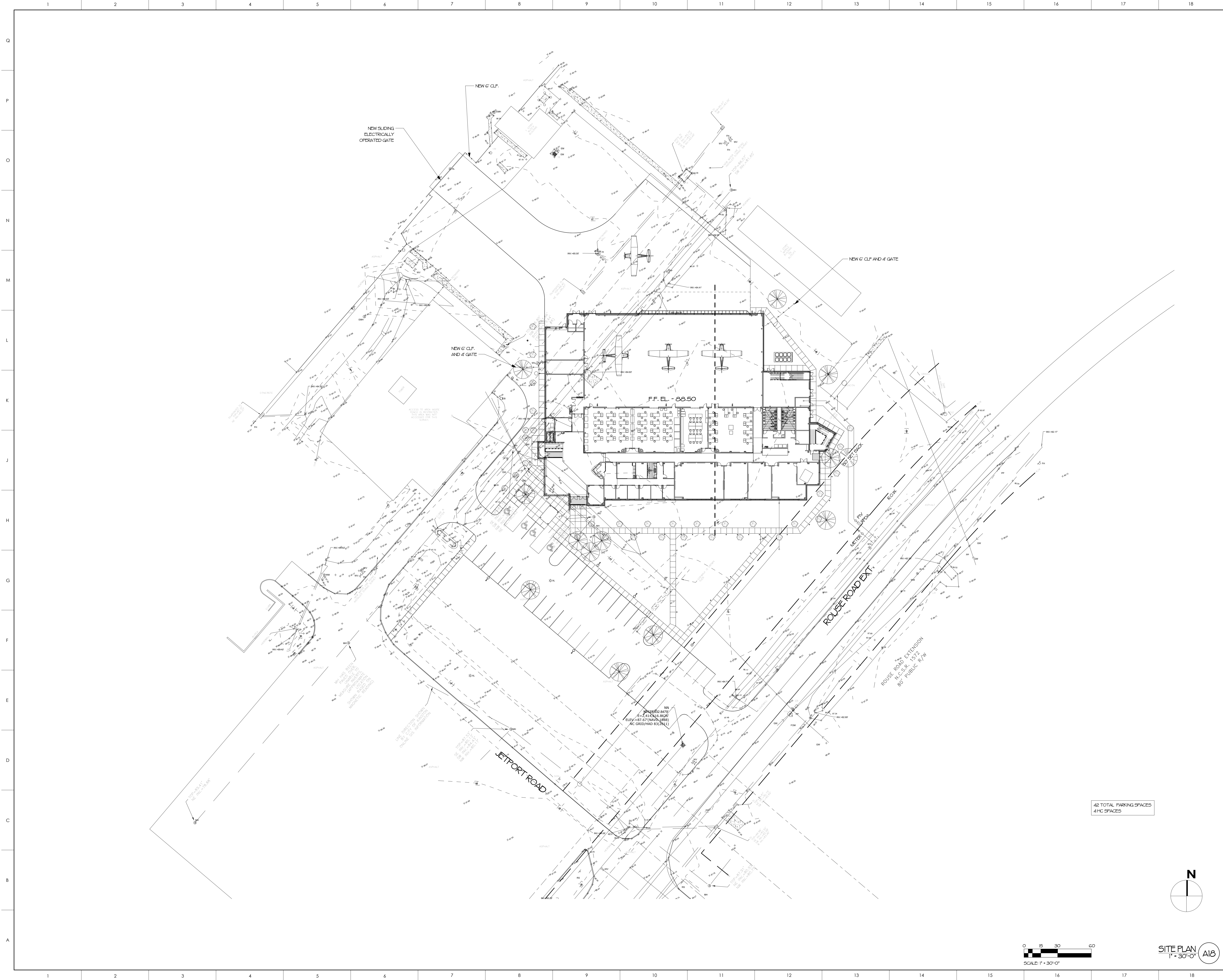
J K F
ARCHITECTURE

225 LYNDALE CT, SUITE F, GREENVILLE, NC 27838 252-355-1048
 LENOIR COMMUNITY COLLEGE
 NEW AVIATION CENTER FOR EXCELLENCE
 KINSTON, NC

DRAWING TITLE	EXISTING ARCHITECTURAL SITE PLAN	
SCALE	1" = 30'-0"	
DRAWN	MCZ	
CHECKED	JKF	
DATE	2-28-2024	
PROJECT NO.	2022-13	



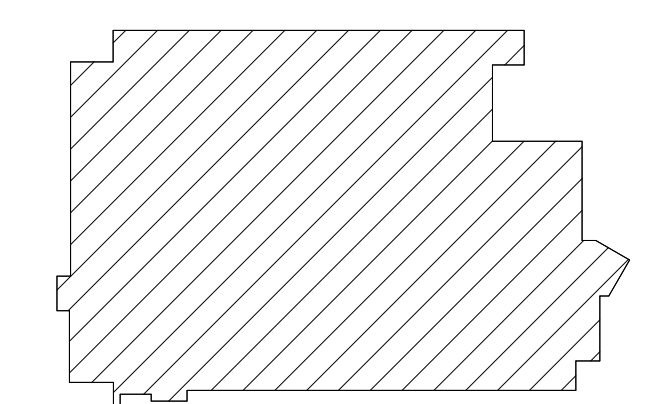
EXISTING SITE PLAN
 1" = 30'-0" A18



MATERIALS KEYING LEGEND

GENERAL NOTES

KEY PLAN



SCO ID # 22-23364-02A

NO	REVISION	DATE

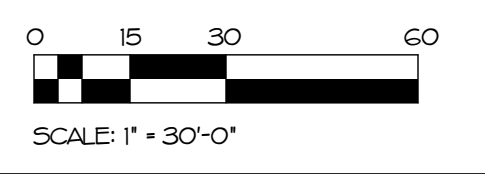
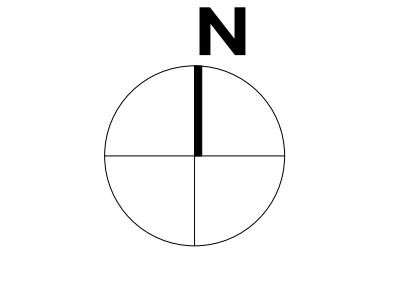
JKF

ARCHITECTURE

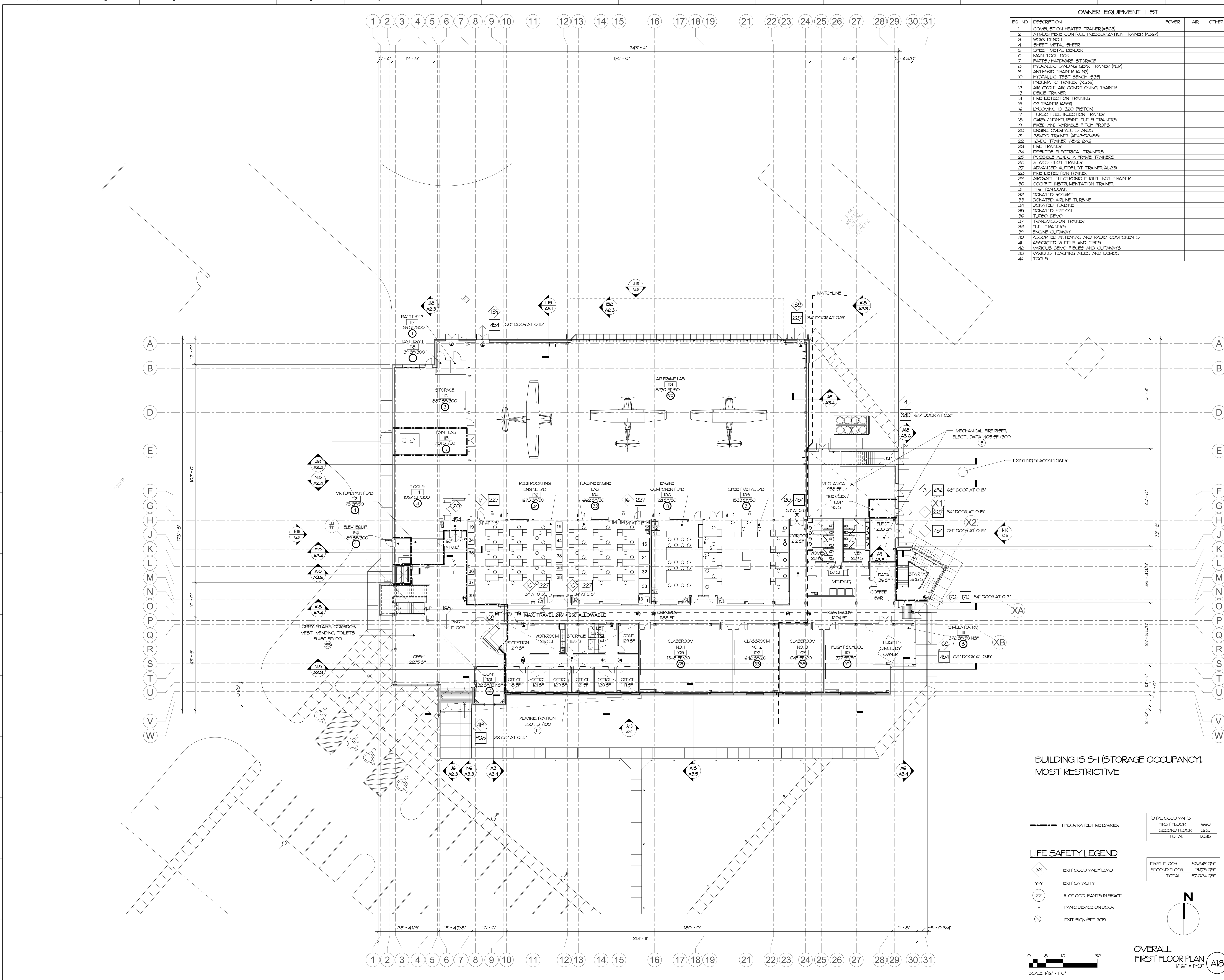
225 LYNDALE CT, SUITE F, GREENVILLE, NC 27838 252-355-1048
LENOIR COMMUNITY COLLEGE
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 KINSTON, NC

DRAWING TITLE
SITE PLAN

SCALE	1" = 30'-0"
DRAWN	MCZ
CHECKED	JKF
DATE	2-28-2024
PROJECT NO.	2022-13



SITE PLAN
 1" = 30'-0" A18



EQ. NO.	DESCRIPTION	POWER	AIR	OTHER
1	COMBUSTION HEATER TRAINER (ASCS)			
2	ATMOSPHERE CONTROL PRESSURIZATION TRAINER (ASCA)			
3	WORK BENCH			
4	SHEET METAL SHEER			
5	SHEET METAL BENDER			
6	MAIN TOOL BOX			
7	PARTS/HARDWARE STORAGE			
8	HYDRAULIC LANDING GEAR TRAINER (ALM)			
9	ANTIFIELD TRAINER (A37)			
10	HYDRAULIC TEST BENCH (538)			
11	PNEUMATIC TRAINER (ASOG)			
12	AIR CYCLE AIR CONDITIONING TRAINER			
13	DEICE TRAINER			
14	FIRE DETECTION TRAINING			
15	CG TRAINER (ASG)			
16	LYCOMING IO 320 (PISTON)			
17	TURBO FUEL INJECTION TRAINER			
18	CARD NON-TURBINE FUELS TRAINERS			
19	FIXED AND VARIABLE PITCH PROPS			
20	ENGINE OVERALL STANDS			
21	2D/3D TRAINER (AC4E/DE4E)			
22	3D/OC TRAINER (AC4E/24E)			
23	FIRE TRAINER			
24	DESKTOP ELECTRICAL TRAINERS			
25	POSSIBLE AC/DC A FRAME TRAINERS			
26	3 AXIS PILOT TRAINER			
27	ADVANCED AUTOPILOT TRAINER (AUE)			
28	FIRE DETECTION TRAINER			
29	FIREFIGHTING TRAINER			
30	COCKPIT INSTRUMENTATION TRAINER			
31	PIFG TIE-DOWN			
32	DONATED ROTARY			
33	DONATED AIRLINE TURBINE			
34	DONATED TURBINE			
35	DONATED PISTON			
36	TURBO DEMO			
37	TRANSMISSION TRAINER			
38	FUEL TRAINERS			
39	ENGINE CUTAWAY			
40	ASSORTED ANTENNAS AND RADIO COMPONENTS			
41	ASSORTED WHEELS AND TIRES			
42	VARIOUS DEMO PIECES AND CUTAWAYS			
43	VARIOUS TEACHING AIDS AND DEVICES			
44	TOOLS			

MATERIALS KEYING LEGEND

--- 1 HOUR RATED FIRE BARRIER

GENERAL NOTES

KEY PLAN

SCO ID # 22-23364-02A

NO	REVISION	DATE

JOHN K. FARFAR ARCHITECTURE
 223 LYNDALE CT, SUITE F, GREENVILLE, NC 27608 252-355-1048

J K F ARCHITECTURE

LENOR COMMUNITY COLLEGE
 NEW AVIATION CENTER FOR EXCELLENCE
 KINSTON, NC

DRAWING TITLE: **LIFE-SAFETY AND OVERALL FIRST FLOOR PLAN**

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

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

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

DATE: 2-28-2024

PROJECT NO: 2022-13

A1.1

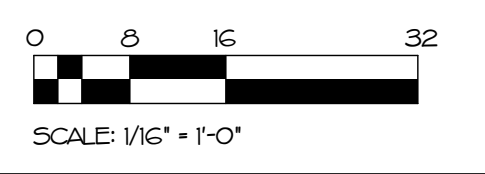
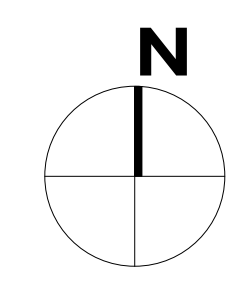
BUILDING 15 S-1 (STORAGE OCCUPANCY), MOST RESTRICTIVE

LIFE SAFETY LEGEND

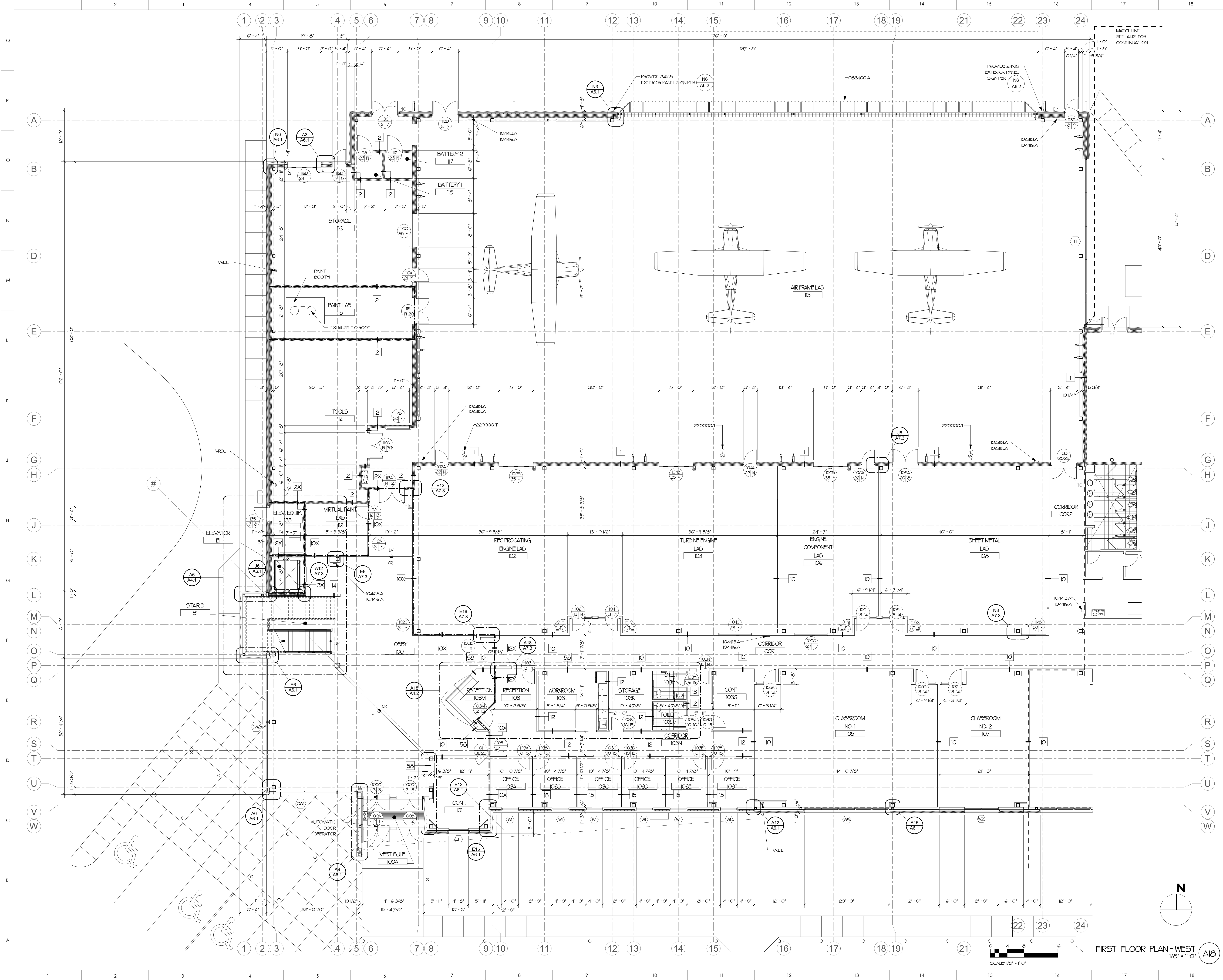
- XX EXIT OCCUPANCY LOAD
- YYY EXIT CAPACITY
- ZZ # OF OCCUPANTS IN SPACE
- PANIC DEVICE ON DOOR
- ⊗ EXIT SIGN (SEE RCP)

TOTAL OCCUPANTS	660
FIRST FLOOR	326
SECOND FLOOR	334
TOTAL	660

FIRST FLOOR	37,841 GSF
SECOND FLOOR	11,175 GSF
TOTAL	57,024 GSF



OVERALL FIRST FLOOR PLAN
 1/16" = 1'-0" A18



MATERIALS KEYING LEGEND

063400A	HYDRAULIC DOOR
104413A	SEMI-RECESSED FIRE EXTINGUISHER CABINET, MOUNT TOP AT 54" A.F.F.
104416A	FIRE EXTINGUISHER
220000.T	EMERGENCY EYE WASH

--- 1 HOUR RATED FIRE BARRIER

GENERAL NOTES

SCO ID # 22-23364-02A

NO REVISION DATE

KEY PLAN

JOHN K. FARBAK ARCHITECTURE

223 LYNDALE CT, SUITE F, GREENVILLE, NC 27608 252-355-1048

**LENOIR COMMUNITY COLLEGE
NEW AVIATION CENTER FOR EXCELLENCE
KINSTON, NC**

DRAWING TITLE: **FIRST FLOOR PLAN - WEST**

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

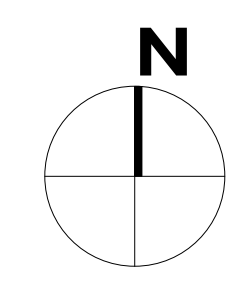
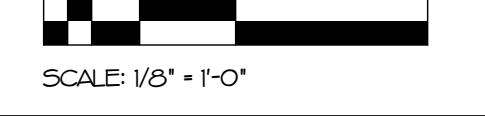
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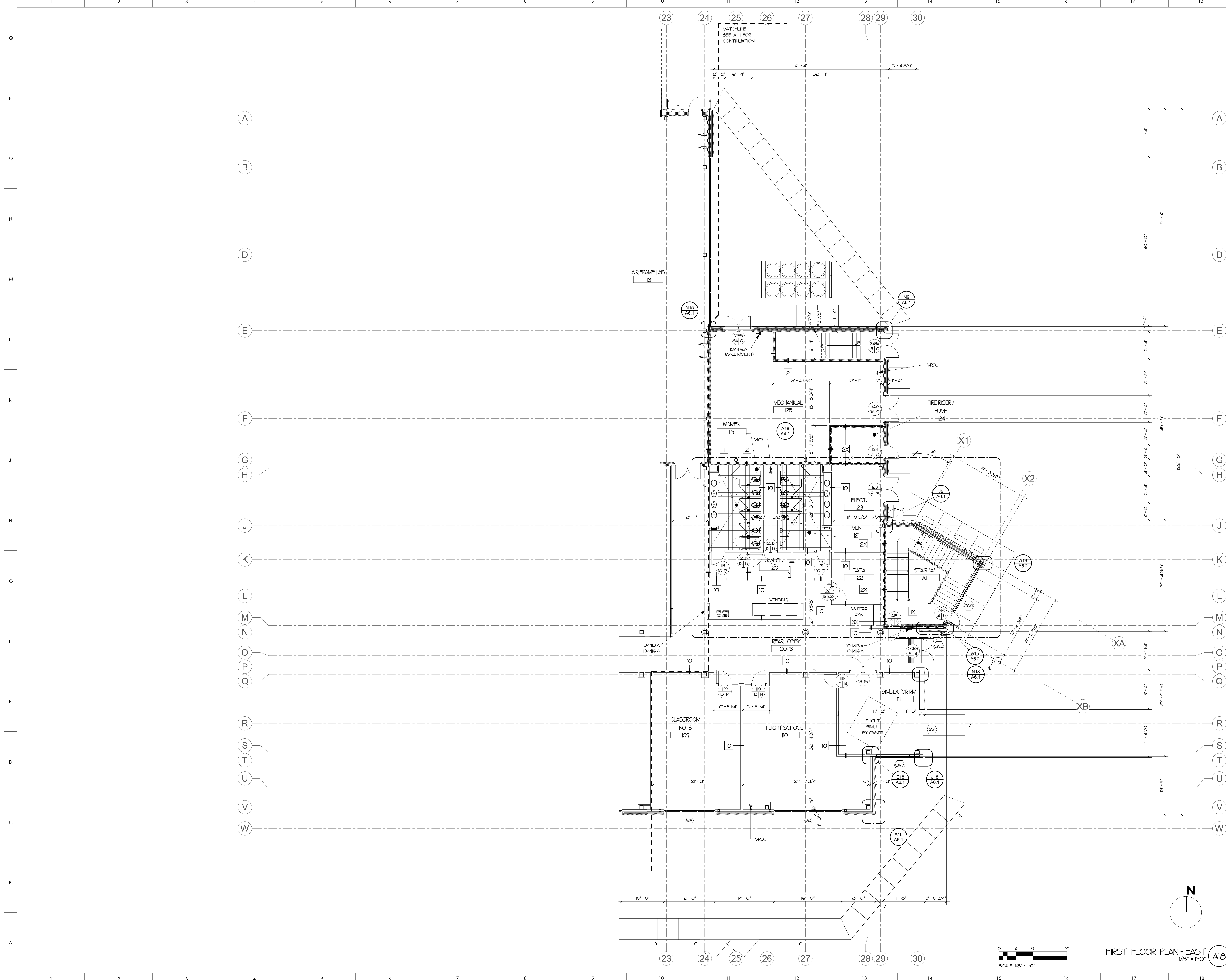
PROJECT NO: 2022-13

JKF ARCHITECTURE

A1.11

FIRST FLOOR PLAN - WEST
1/8" = 1'-0" A18





MATERIALS KEYING LEGEND

104413A	SEMI-RECESSED FIRE EXTINGUISHER CABINET, MOUNT TOP AT 54" A.F.F.
104416A	FIRE EXTINGUISHER

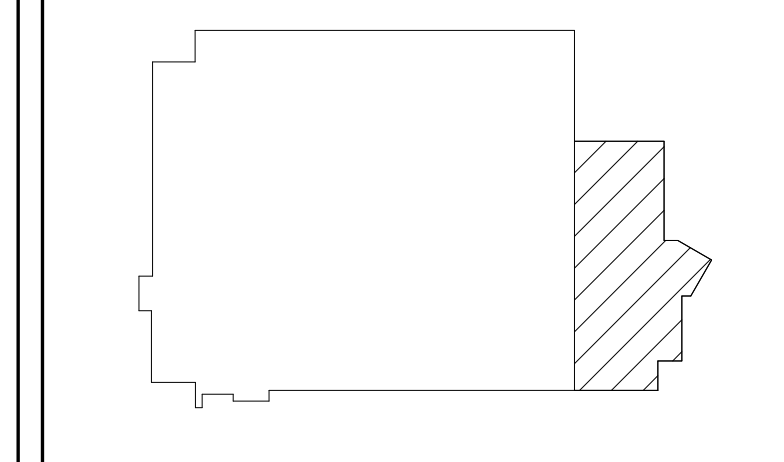
--- 1 HOUR RATED FIRE BARRIER

GENERAL NOTES

SCO ID # 22-23364-02A

NO	REVISION	DATE

KEY PLAN



JKF

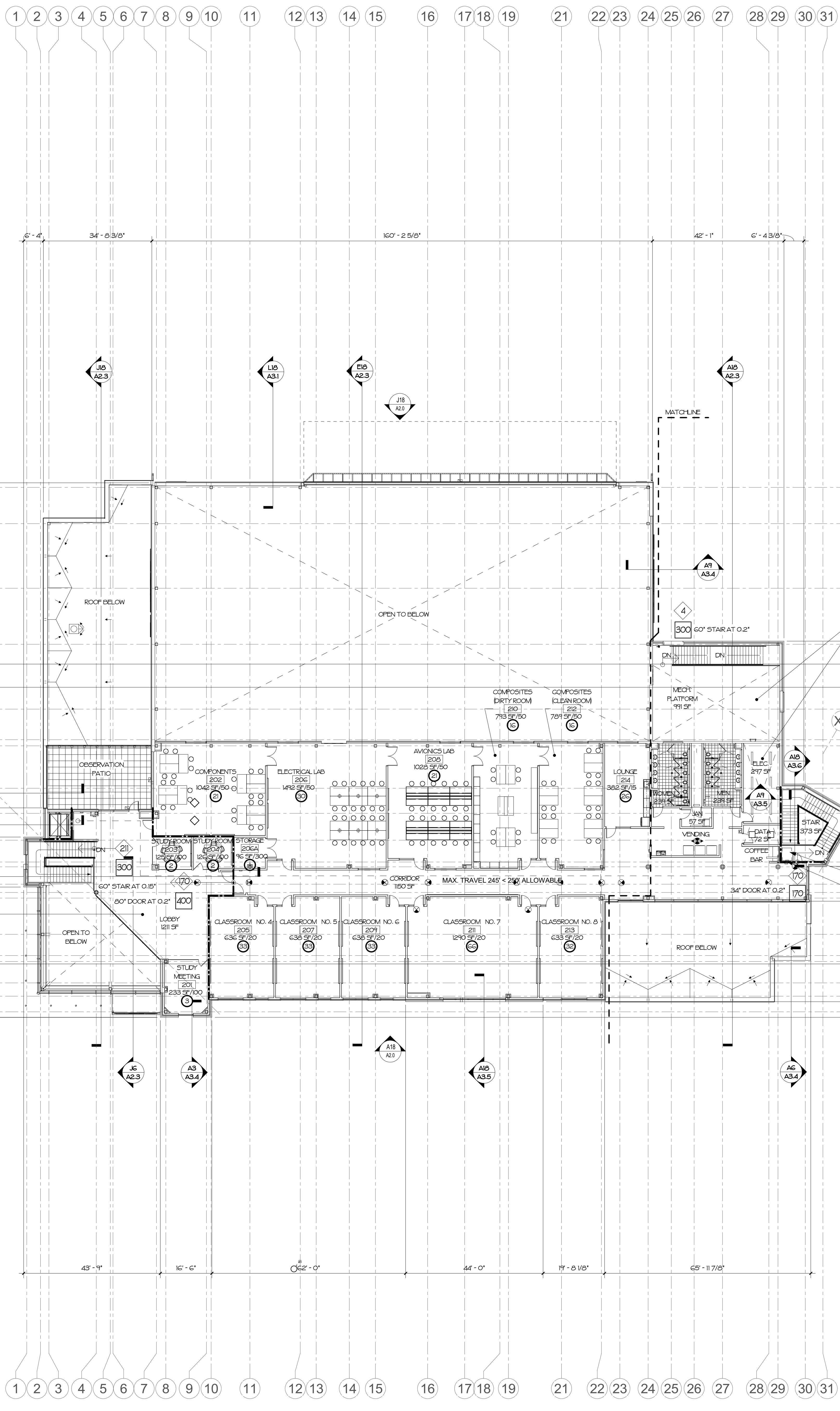
ARCHITECTURE

225 LYNDALE CT, SUITE F, GREENVILLE, NC 27858 252-355-1048

LENOIR COMMUNITY COLLEGE
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 KINSTON, NC

DRAWING TITLE
FIRST FLOOR PLAN - EAST

SCALE	1/8" = 1'-0"	A1.12
DRAWN	MCZ/BTP	
CHECKED	JKF	
DATE	2-28-2024	
PROJECT NO.	2022-13	



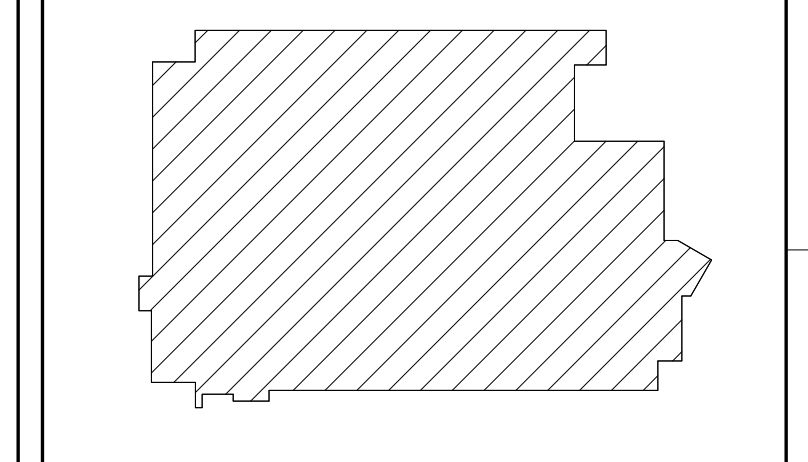
MATERIALS KEYING LEGEND

SYMBOL	DESCRIPTION
(Symbol)	1-HOUR RATED FIRE BARRIER

GENERAL NOTES

1-HOUR RATED FIRE BARRIER

KEY PLAN



SCO ID # 22-23364-02A		
NO	REVISION	DATE

JOHN K. FARBER, ARCHITECT

 225 LYNDALE CT, SUITE F, GREENVILLE, NC 27808 252-355-1048

LENOIR COMMUNITY COLLEGE
 NEW AVIATION CENTER FOR EXCELLENCE
 KINSTON, NC

DRAWING TITLE
 LIFE-SAFETY AND
 OVERALL SECOND FLOOR PLAN

SCALE	1/16" = 1'-0"
DRAWN	MCZ/BTP
CHECKED	JKF
DATE	2-28-2024
PROJECT NO.	2022-13

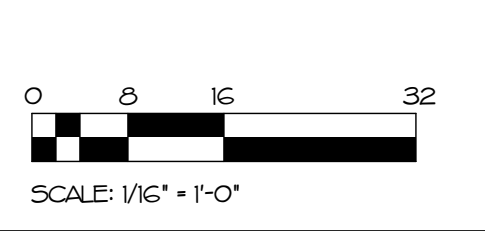
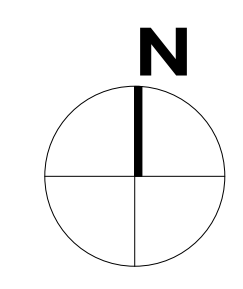
1-HOUR RATED FIRE BARRIER

LIFE SAFETY LEGEND

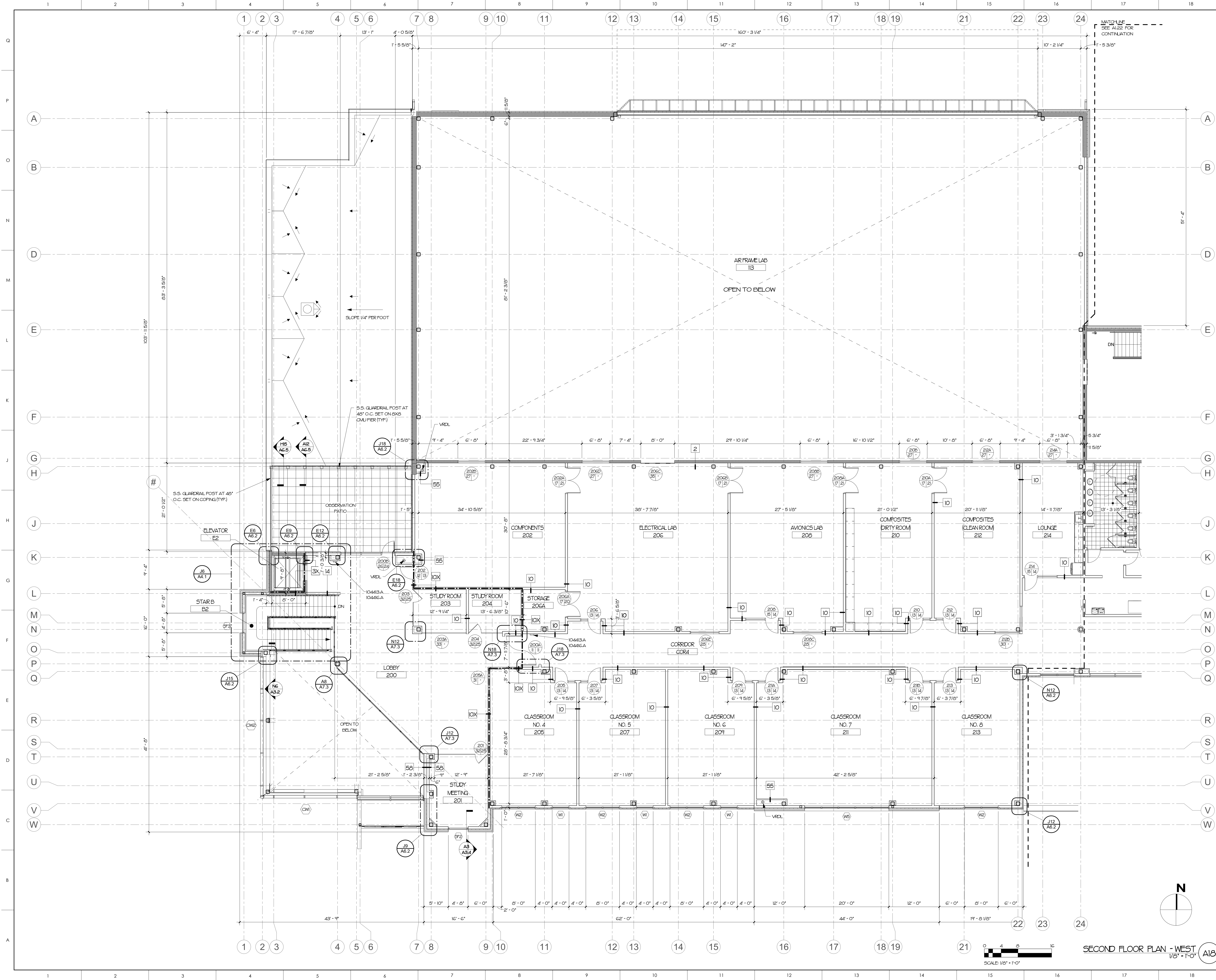
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- YYY EXIT CAPACITY
- ZZ # OF OCCUPANTS IN SPACE
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OVERALL
 SECOND FLOOR PLAN
 1/16" = 1'-0" A18

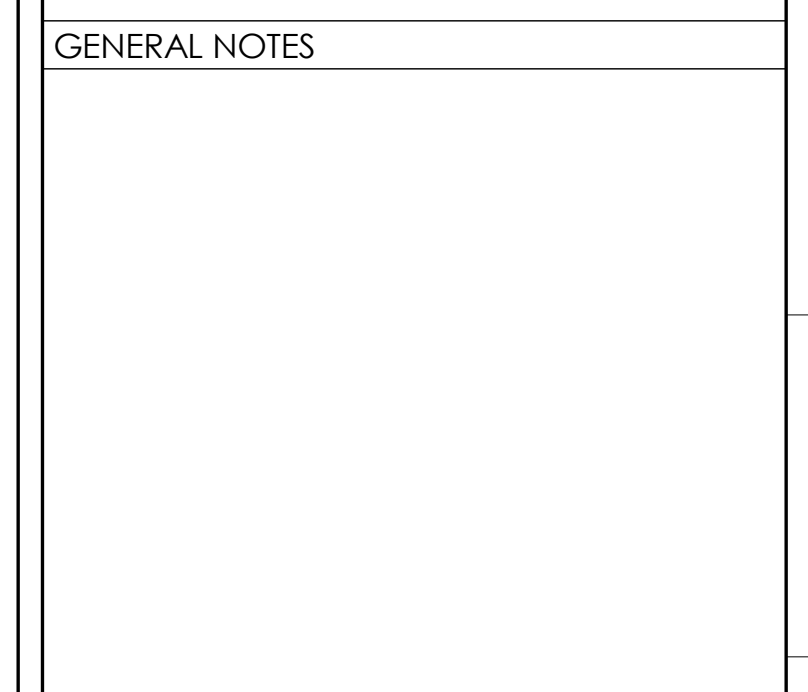


MATERIALS KEYING LEGEND

10443A	SEMI-RECESSED FIRE EXTINGUISHER CABINET, MOUNT TOP AT 54" A.F.F.
10446A	FIRE EXTINGUISHER

GENERAL NOTES

1 HOUR RATED FIRE BARRIER



SCO ID # 22-25364-02A

NO	REVISION	DATE

JOHN K. FARBER ARCHITECTURE
 519 JACOBS
 JOHN FARBER
 ARCHITECTURE

J K F
 ARCHITECTURE

225 LYNDALE CT, SUITE F, GREENVILLE, NC 27608 252-355-1048

LENOIR COMMUNITY COLLEGE
 NEW AVIATION CENTER FOR EXCELLENCE
 KINSTON, NC

DRAWING TITLE

SECOND FLOOR PLAN - WEST

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

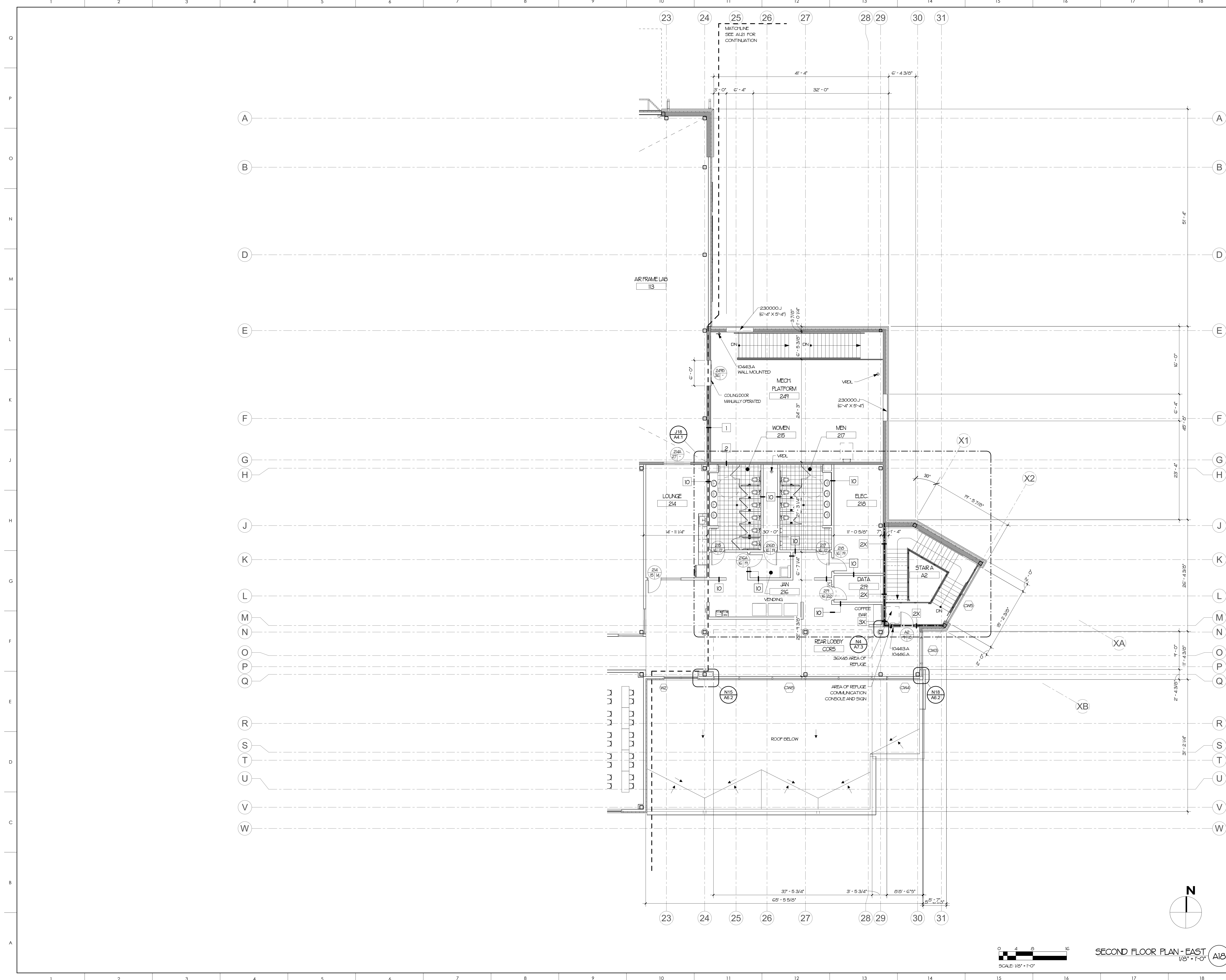
DRAWN: MCZ BTP

CHECKED: JKF

DATE: 2-28-2024

PROJECT NO: 2022-13

A1.21



MATERIALS KEYING LEGEND

104413A	50M-RECESSED FIRE EXTINGUISHER CABINET, MOUNT TOP AT 54" AFF.
104416A	FIRE EXTINGUISHER
230000J	MECH. LOULVER-SEE HVAC DRAWINGS

--- 1 HOUR RATED FIRE BARRIER

GENERAL NOTES

1. ALL ROOMS SHALL BE MAINTAINED AT A MINIMUM OF 5 FPM AIR CHANGE PER HOUR (ACH) WITHOUT MECHANICAL ASSISTANCE.

2. ALL ROOMS SHALL BE MAINTAINED AT A MINIMUM OF 10 FPM AIR CHANGE PER HOUR (ACH) WITH MECHANICAL ASSISTANCE.

3. ALL ROOMS SHALL BE MAINTAINED AT A MINIMUM OF 15 FPM AIR CHANGE PER HOUR (ACH) WITH MECHANICAL ASSISTANCE.

4. ALL ROOMS SHALL BE MAINTAINED AT A MINIMUM OF 20 FPM AIR CHANGE PER HOUR (ACH) WITH MECHANICAL ASSISTANCE.

5. ALL ROOMS SHALL BE MAINTAINED AT A MINIMUM OF 25 FPM AIR CHANGE PER HOUR (ACH) WITH MECHANICAL ASSISTANCE.

6. ALL ROOMS SHALL BE MAINTAINED AT A MINIMUM OF 30 FPM AIR CHANGE PER HOUR (ACH) WITH MECHANICAL ASSISTANCE.

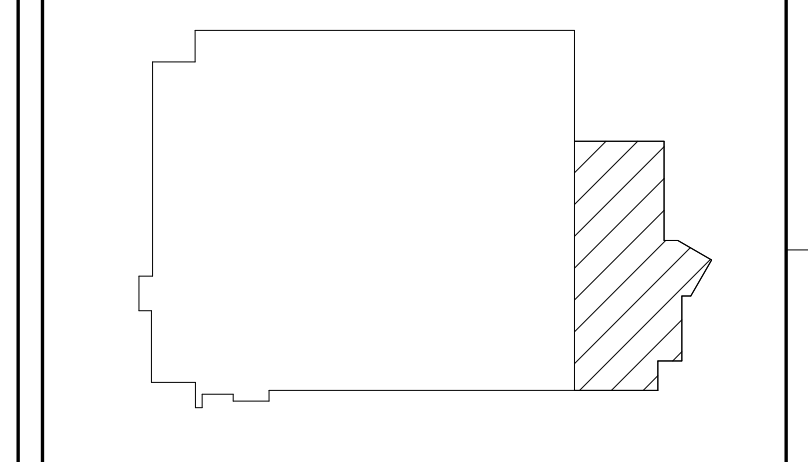
7. ALL ROOMS SHALL BE MAINTAINED AT A MINIMUM OF 35 FPM AIR CHANGE PER HOUR (ACH) WITH MECHANICAL ASSISTANCE.

8. ALL ROOMS SHALL BE MAINTAINED AT A MINIMUM OF 40 FPM AIR CHANGE PER HOUR (ACH) WITH MECHANICAL ASSISTANCE.

9. ALL ROOMS SHALL BE MAINTAINED AT A MINIMUM OF 45 FPM AIR CHANGE PER HOUR (ACH) WITH MECHANICAL ASSISTANCE.

10. ALL ROOMS SHALL BE MAINTAINED AT A MINIMUM OF 50 FPM AIR CHANGE PER HOUR (ACH) WITH MECHANICAL ASSISTANCE.

KEY PLAN



SCO ID # 22-23364-02A

NO.	REVISION	DATE

JKF
ARCHITECTURE

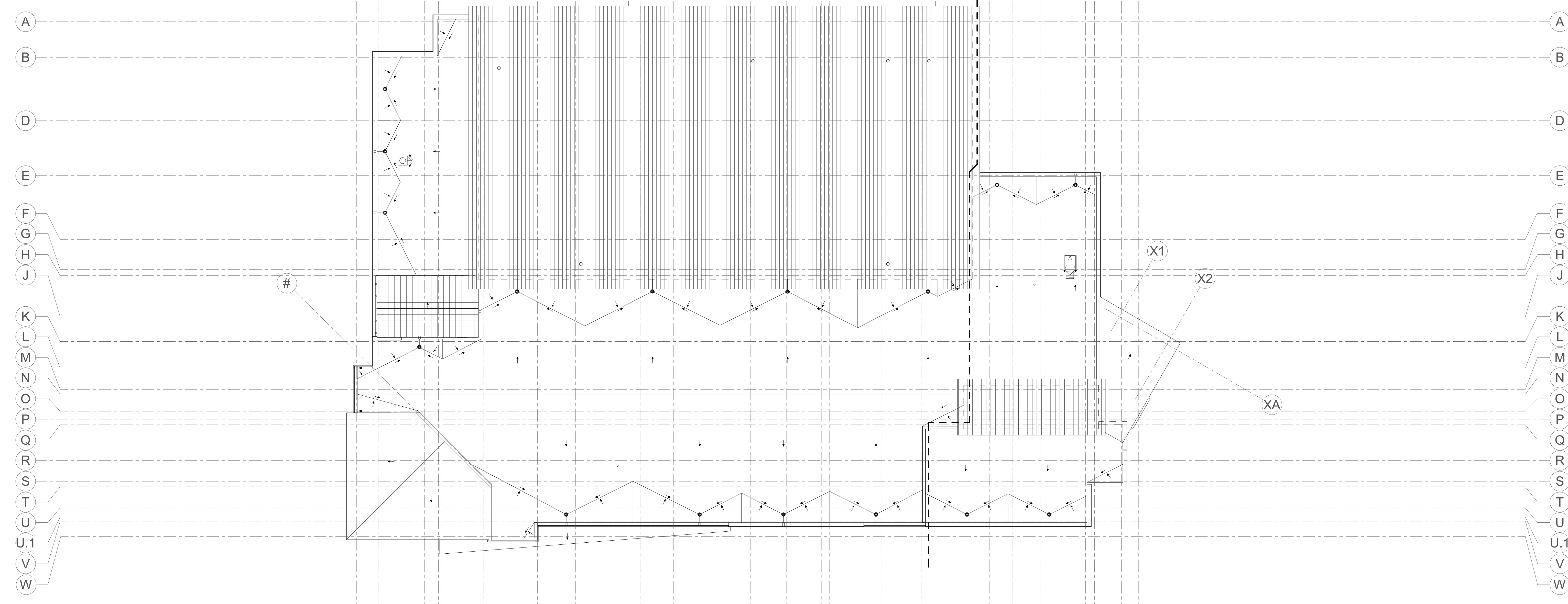
225 LYNDALE CT, SUITE F, GREENVILLE, NC 27838 252-355-1048

LENOIR COMMUNITY COLLEGE
NEW AVIATION CENTER FOR EXCELLENCE
KINSTON, NC

DRAWING TITLE
SECOND FLOOR PLAN - EAST

SCALE	1/8" = 1'-0"	A1.22
DRAWN	MCZ/BTP	
CHECKED	JKF	
DATE	2-28-2024	
PROJECT NO.	2022-13	

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 21 22 23 24 25 26 27 28 29 30 31



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 21 22 23 24 25 26 27 28 29 30 31

MATERIALS KEYING LEGEND

Empty table for materials keying legend.

GENERAL NOTES

Empty table for general notes.

KEY PLAN

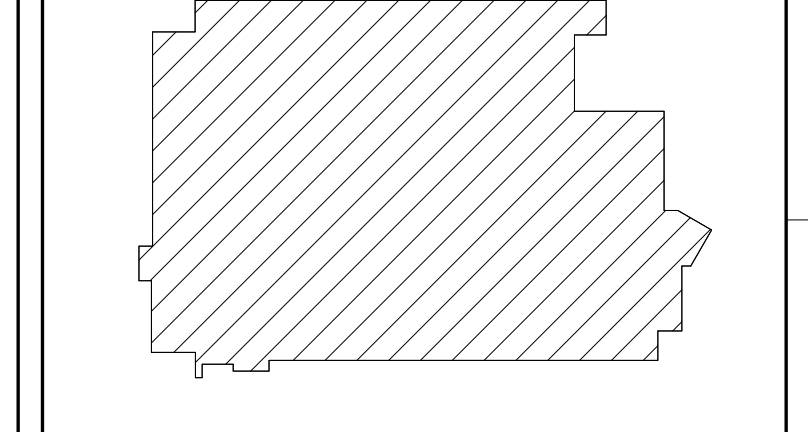


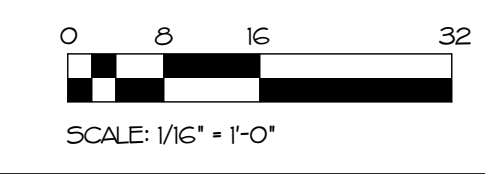
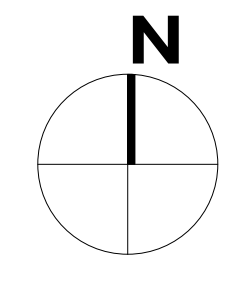
Table with columns for NO, REVISION, and DATE.

Professional seal for John K. Farvak, Licensed Architect, No. 5552, State of North Carolina. Includes the JKF ARCHITECTURE logo.

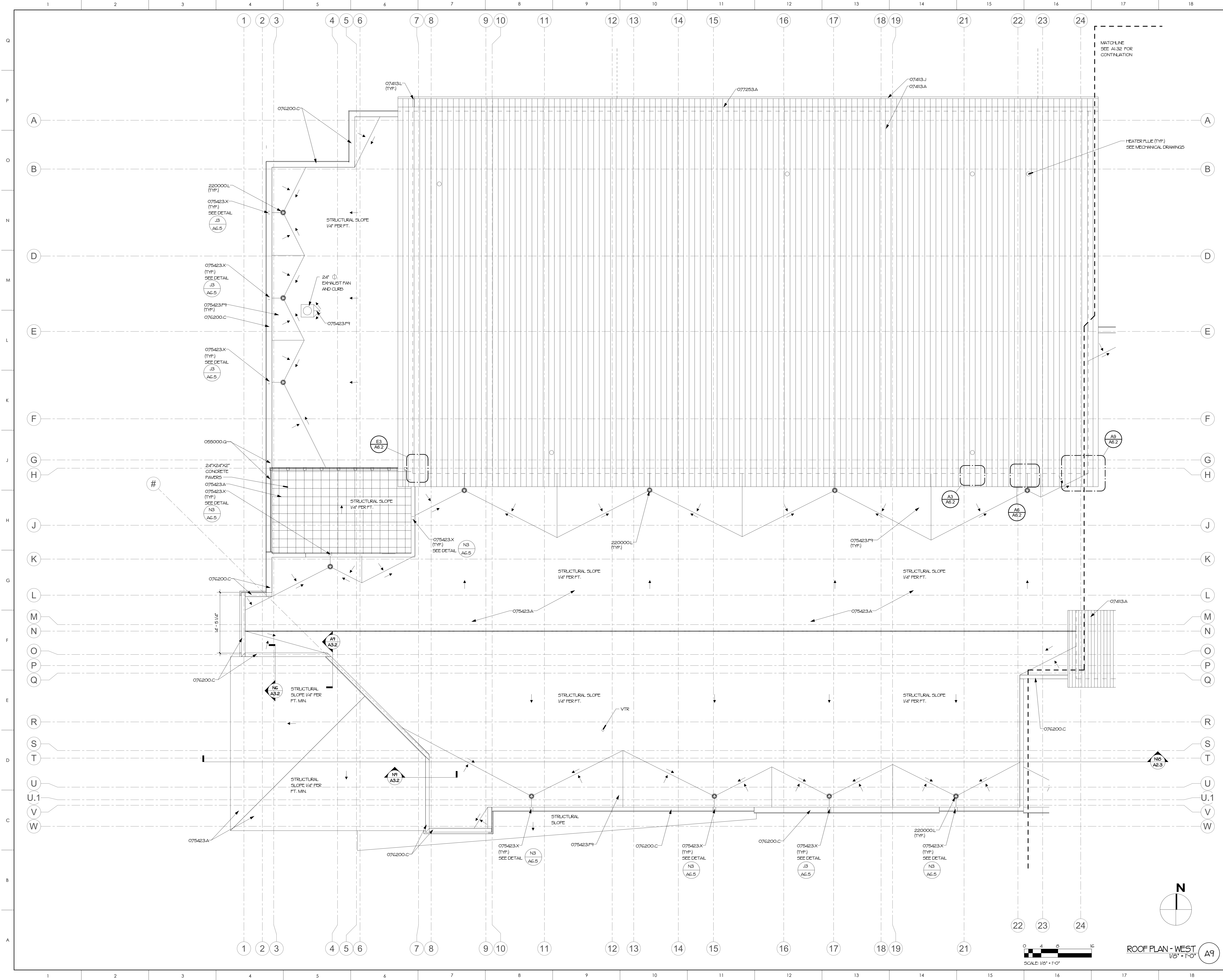
225 LYNDALE CT, SUITE F, GREENVILLE, NC 27808 252-355-1048
LENOIR COMMUNITY COLLEGE
NEW AVIATION CENTER FOR EXCELLENCE
KINSTON, NC

DRAWING TITLE
OVERALL ROOF PLAN

Table with columns for SCALE, DRAWN, CHECKED, DATE, and PROJECT NO. Includes the drawing number A1.3.



ROOF PLAN
1/16" = 1'-0" A1.3



MATERIALS KEYING LEGEND

055000.G	STEEL BOLLARD
07413.A	METAL ROOF STANDING SEAM SYSTEM
07413.J	METAL GLUTTER
075423.A	METAL DOWNSPOUT
075423.B	TPO ROOFING SYSTEM
075423.F	TAPERED INSULATION 1/2\"/>

GENERAL NOTES

1. MATCHLINE SEE A132 FOR CONTINUATION

2. HEATER FLUE (TYP) SEE MECHANICAL DRAWINGS

3. 24\"/>

KEY PLAN

SCO ID # 22-23364-02A

NO.	REVISION	DATE

JOHN K. FARRELL ARCHITECTURE

J K F ARCHITECTURE

223 LYNDALE CT, SUITE F, GREENVILLE, NC 27608 252-355-1048

**LENOIR COMMUNITY COLLEGE
NEW AVIATION CENTER FOR EXCELLENCE
KINSTON, NC**

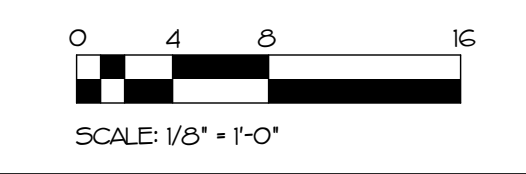
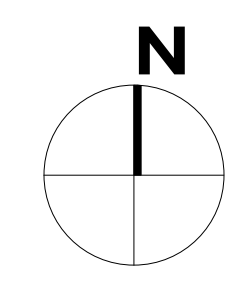
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SCALE: 1/8" = 1'-0"

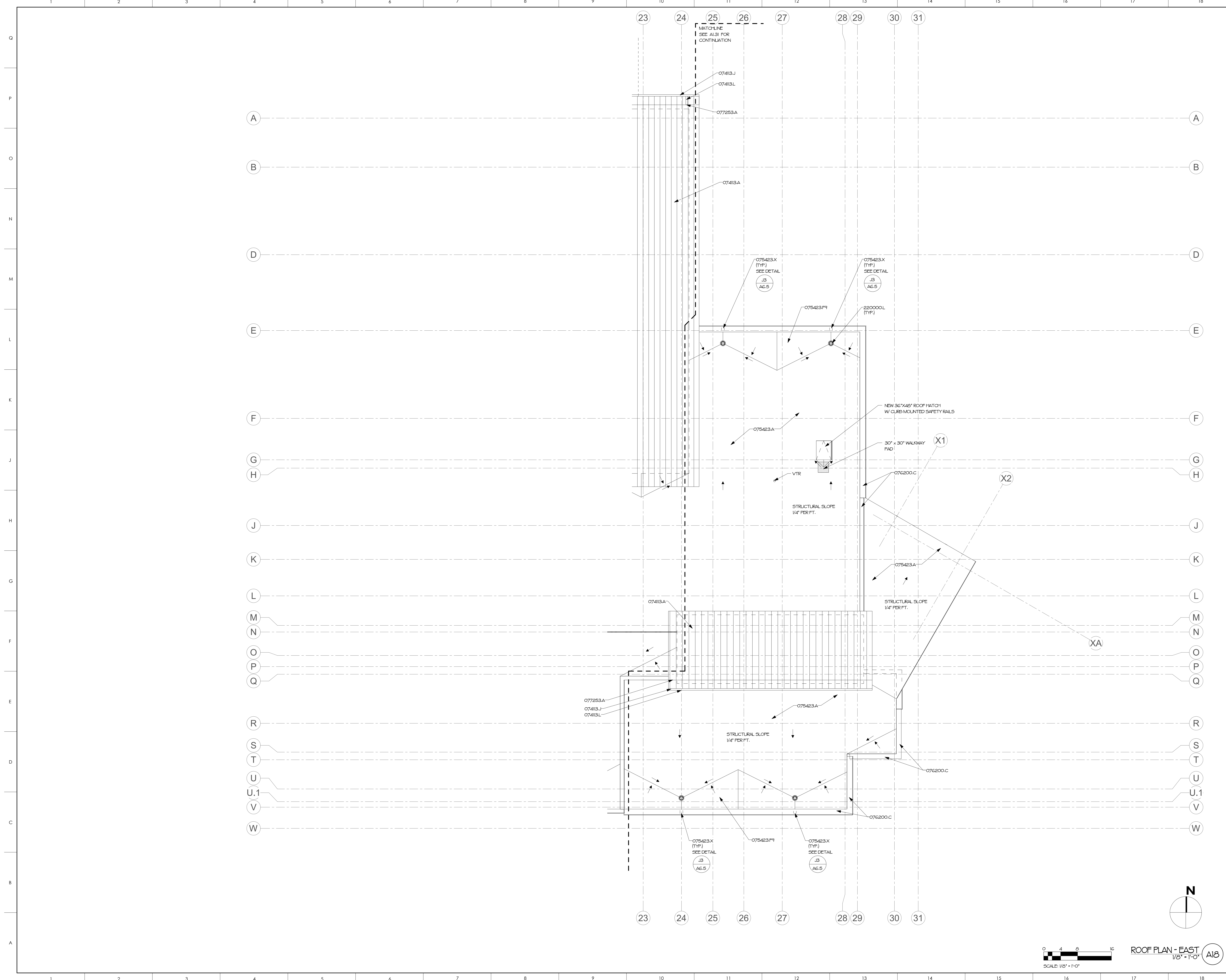
DATE: 2-28-2024

PROJECT NO: 2022-13

A1.31



ROOF PLAN - WEST
1/8" = 1'-0"

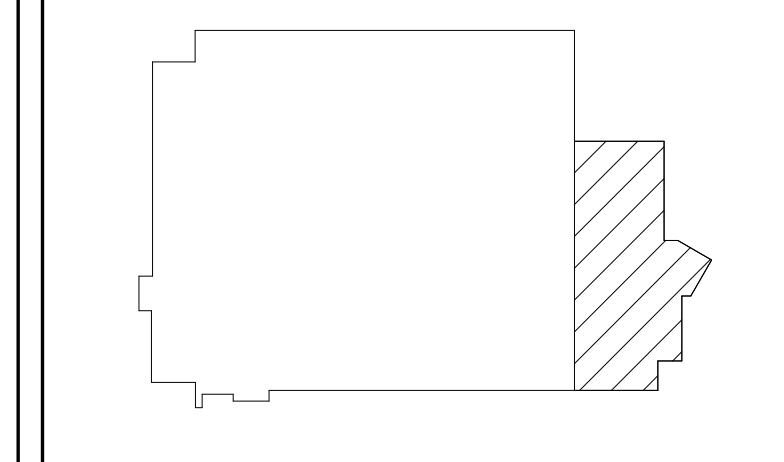


MATERIALS KEYING LEGEND

07413.A	METAL ROOF - STANDING SEAM SYSTEM
07413.J	METAL GUTTER
07413.L	METAL DOWNSPOUT
075423.A	TPO ROOFING SYSTEM
075423.F9	TAPERED INSULATION 1/2\"/>
075423.X	OVERFLOW SCUPPER
076200.C	METAL COPING
077253.A	SNOW GUARD
220000.L	ROOF DRAIN

GENERAL NOTES

KEY PLAN



SCO ID # 22-25364-02A

NO	REVISION	DATE

JKF

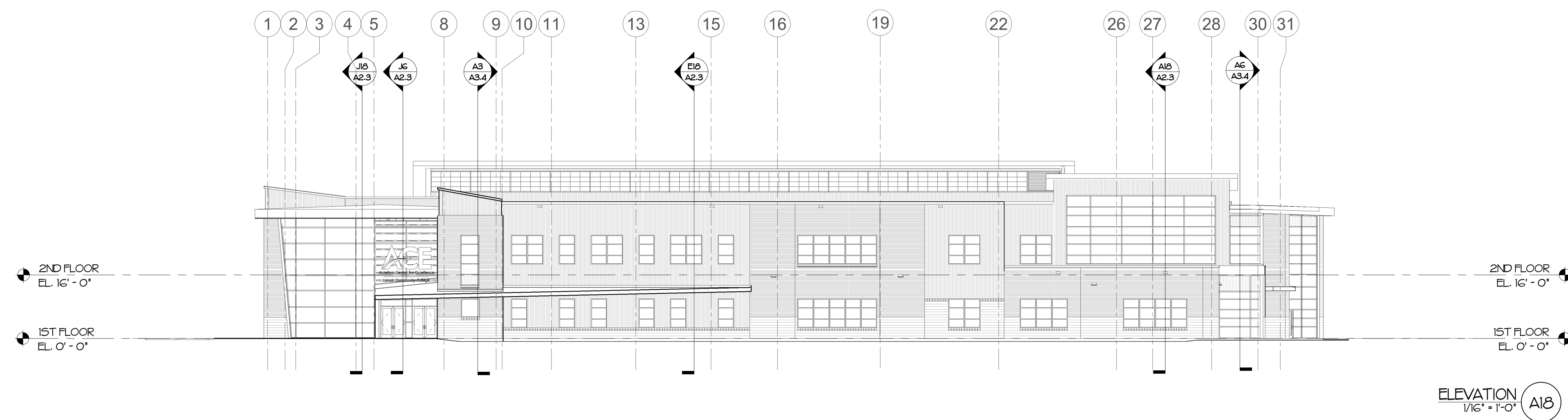
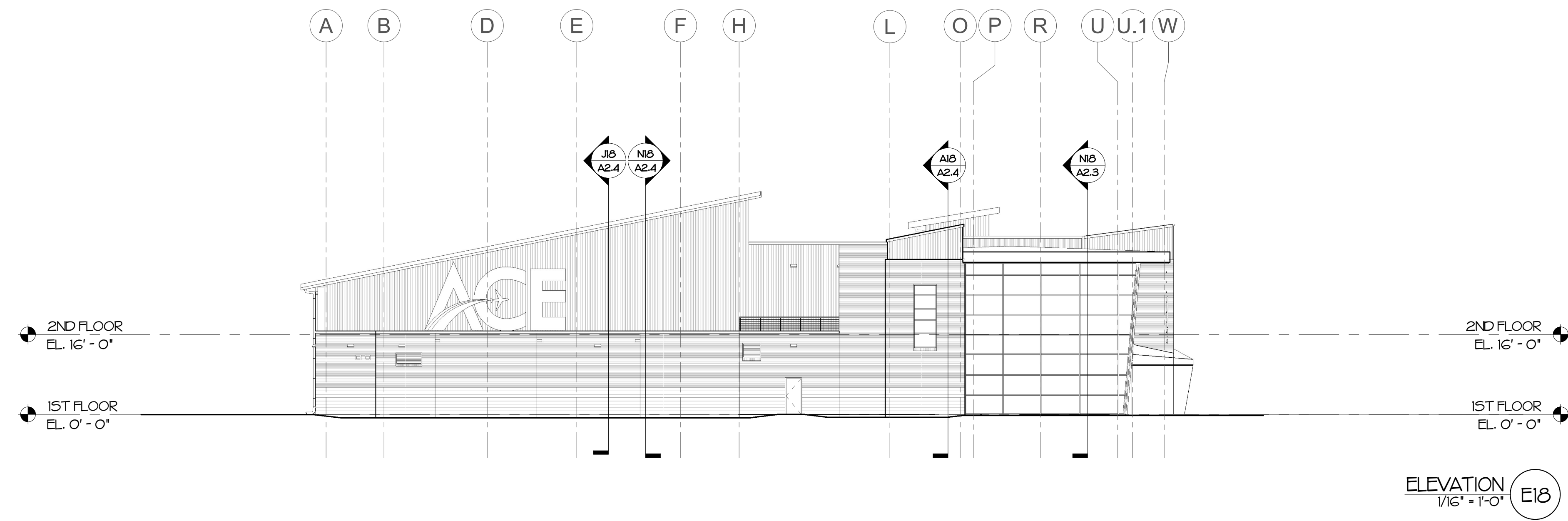
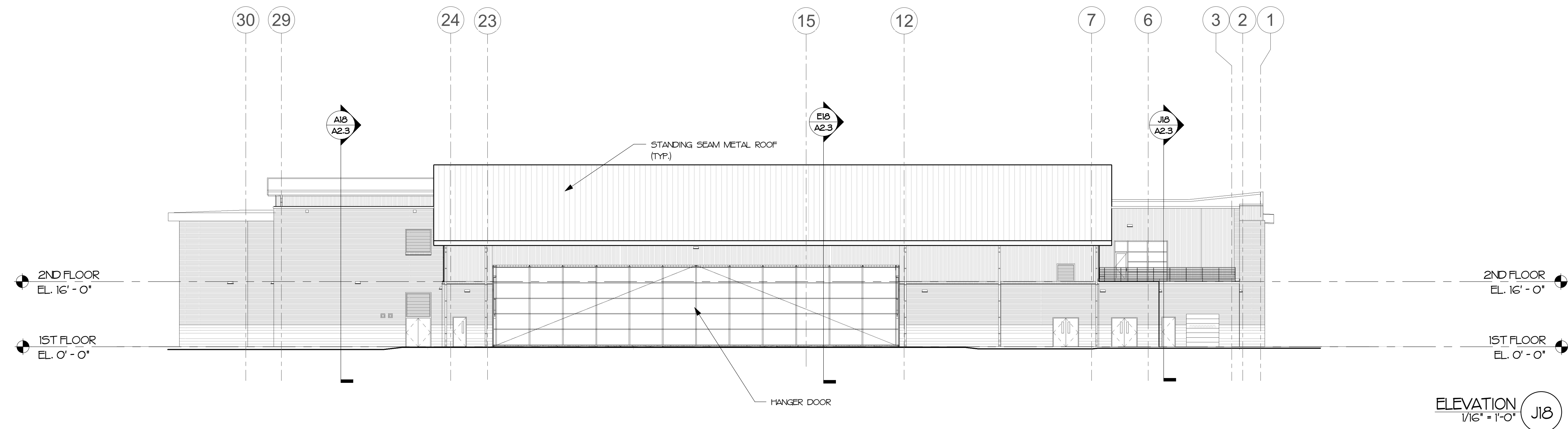
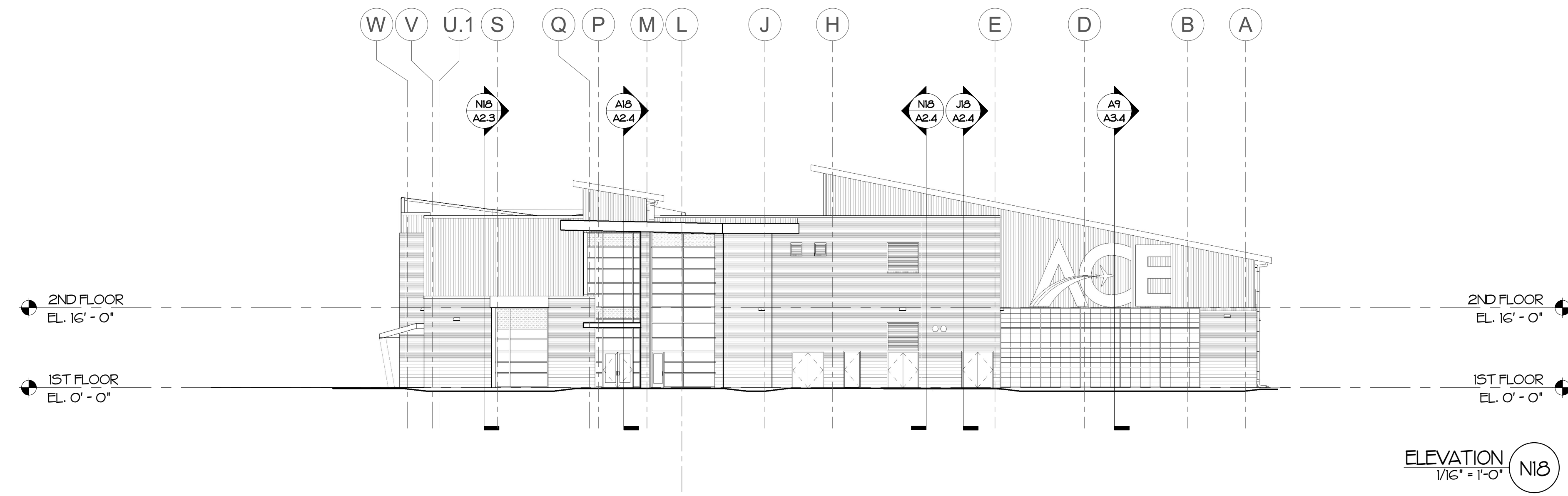
ARCHITECTURE

225 LYNDALE CT, SUITE F, GREENVILLE, NC 27838 252-355-1048

LENOIR COMMUNITY COLLEGE
NEW AVIATION CENTER FOR EXCELLENCE
 KINSTON, NC

DRAWING TITLE
ROOF PLAN - EAST

SCALE	1/8" = 1'-0"	A1.32
DRAWN	BTP	
CHECKED	JKF	
DATE	2-28-2024	
PROJECT NO.	2022-13	



MATERIALS KEYING LEGEND

GENERAL NOTES

KEY PLAN

SCO ID # 22-25364-02A

NO	REVISION	DATE

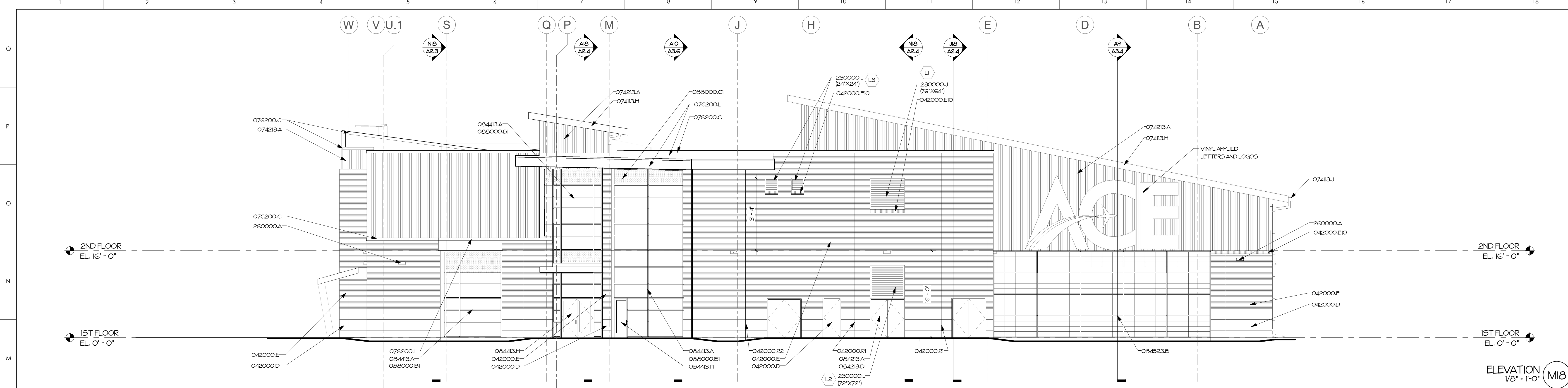
LENOIR COMMUNITY COLLEGE
NEW AVIATION CENTER FOR EXCELLENCE
KINSTON, NC

EXTERIOR ELEVATIONS

SCALE: 1/16" = 1'-0"
DRAWN: BTP
CHECKED: JKF
DATE: 2-28-2024
PROJECT NO: 2022-13

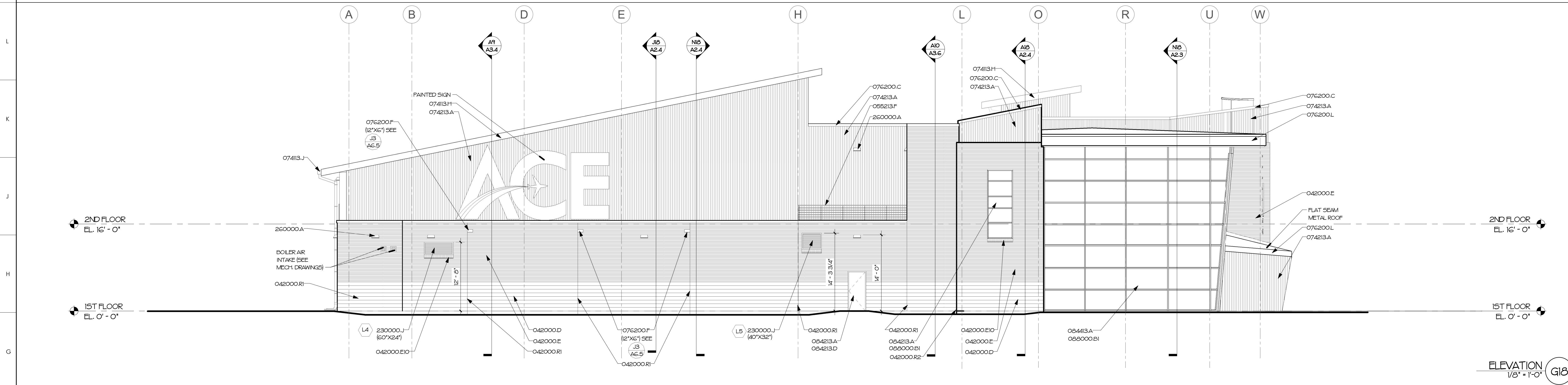
JKF
ARCHITECTURE

A2.0



MATERIALS KEYING LEGEND

042000.D	CONCRETE MASONRY UNIT, DECORATIVE
042000.D7	CONCRETE MASONRY UNIT, DECORATIVE, SPECIAL SHAPE SILL
042000.E	FACE BRICK
042000.E10	FACE BRICK, SOLDIER COURSE SILL, SPECIAL SHAPE
042000.R1	CONTROL JOINT
042000.R2	CONTROL JOINT, INSIDE CORNER
05213.F	STEEL HANDRAIL ASSEMBLY, 3/4" HIGH, PAINTED
07413.H	METAL FASCIA
07413.J	METAL GLITTER
074213.A	METAL WALL PANEL
076200.C	METAL COPING
076200.F	METAL SCUPPER
076200.L	METAL FASCIA
084213.A	STOREFRONT FRAMING, THERMALLY BROKEN
084213.D	ALUMINUM FRP DOOR
084413.A	ALUMINUM CURTAIN WALL ASSEMBLY
084413.H	ALUMINUM STYLE AND RAIL DOOR
084523.B	FIBERGLASS SANDWICH PANEL ASSEMBLY, 2-3/4" THICK
08913.A	ALUMINUM WINDOW ASSEMBLY
089000.B1	1" INSULATING GLASS-LOWE
089000.C1	INSULATING SPANDREL GLASS, 1" THICK
230000.J	MECH LOWER-SEE H/A-C DRAWINGS
260000.A	EXTERIOR LIGHT FIXTURE

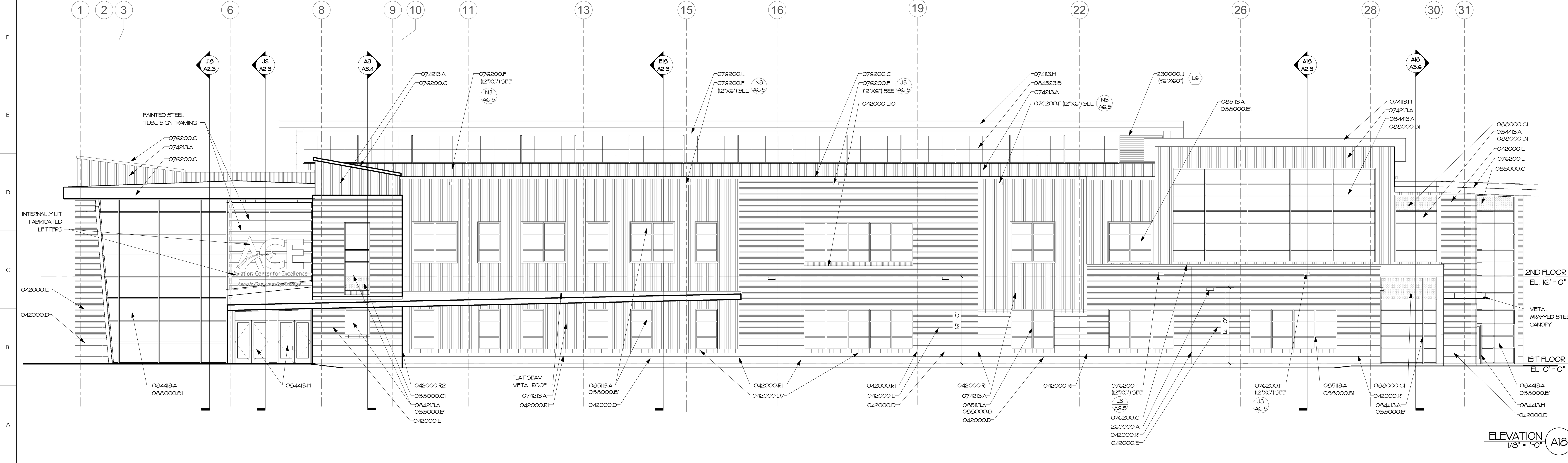


GENERAL NOTES

KEY PLAN

SCO ID # 22-25364-02A

NO	REVISION	DATE



KEY PLAN

SCO ID # 22-25364-02A

NO	REVISION	DATE

JOHN K. FARBAK ARCHITECTURE
J K F
 ARCHITECTURE

225 LYNDALE CT, SUITE F, GREENVILLE, NC 27608 252-355-1048

LENOIR COMMUNITY COLLEGE
 NEW AVIATION CENTER FOR EXCELLENCE
 KINSTON, NC

DRAWING TITLE
EXTERIOR ELEVATIONS

SCALE
 1/8" = 1'-0"

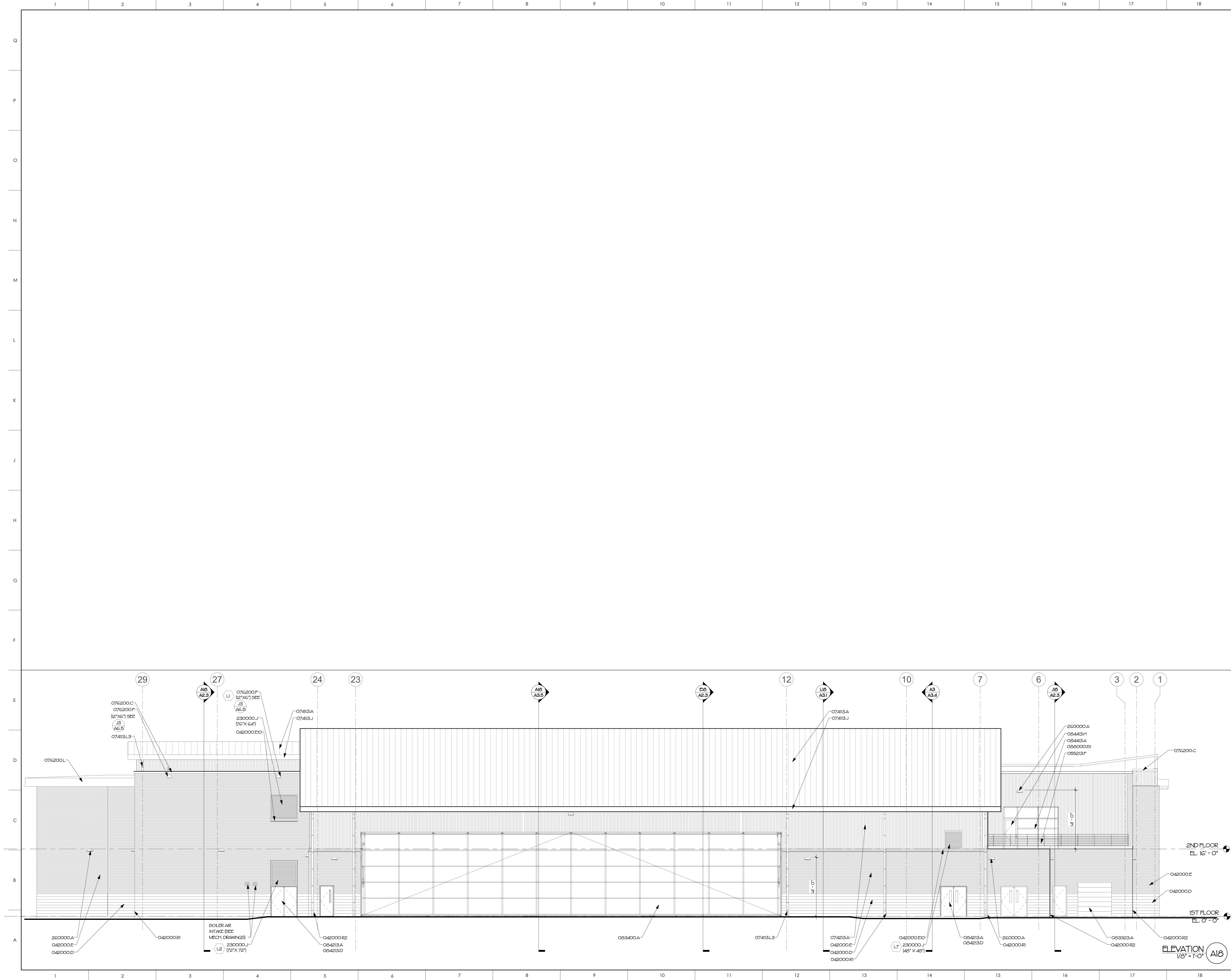
DATE
 2-28-2024

PROJECT NO.
 2022-13

DATE
 2-28-2024

PROJECT NO.
 2022-13

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



MATERIALS KEYING LEGEND

042000.D	CONCRETE MASONRY UNIT, DECORATIVE
042000.E	FACE BRICK
042000.E10	FACE BRICK, SOLDIER COURSE SILL, SPECIAL SHAPE
042000.R1	CONTROL JOINT
042000.R2	CONTROL JOINT, INSIDE CORNER
055213.F	STEEL HANDRAIL ASSEMBLY, 34" HIGH, PAINTED
074113.A	METAL ROOF, STANDING SEAM SYSTEM
074113.J	METAL GUTTER
074113.L3	METAL DOWNSPOUT, 5X5
074213.A	METAL WALL PANEL
076200.C	METAL COPING
076200.F	METAL SCUPPER
076200.L	METAL FASCIA
083323.A	OVERHEAD COILING DOOR
083400.A	HYDRAULIC DOOR
084213.A	STOREFRONT FRAMING, THERMALLY BROKEN
084213.D	ALUMINUM FRP DOOR
084413.A	ALUMINUM CURTAIN WALL ASSEMBLY
084413.H	ALUMINUM SILE AND RAIL DOOR
086000.B1	1" INSULATING GLASS LOW E
230000.J	MECH LOUVER SEE MECH DRAWINGS
260000.A	EXTERIOR LIGHT FIXTURE

GENERAL NOTES

KEY PLAN

SCO ID # 22-25364-02A

NO	REVISION	DATE

JKF
ARCHITECTURE

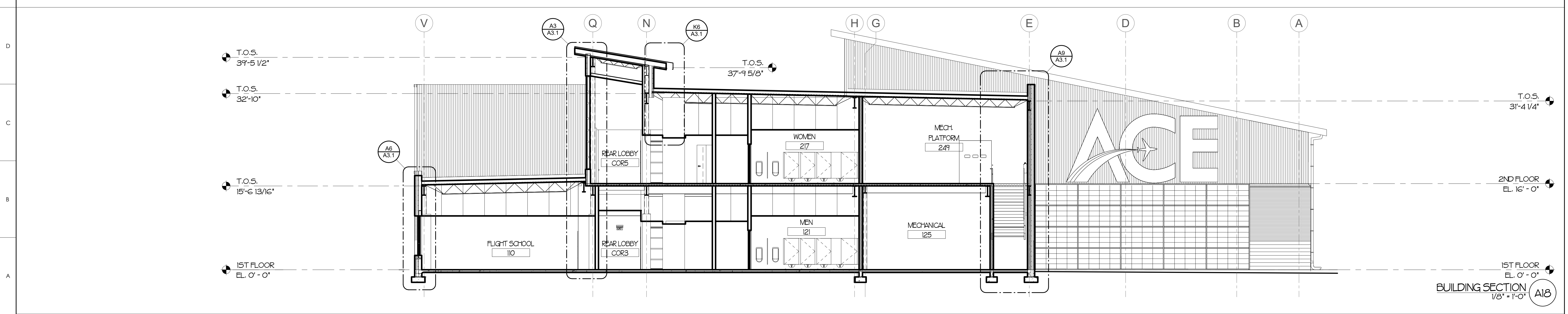
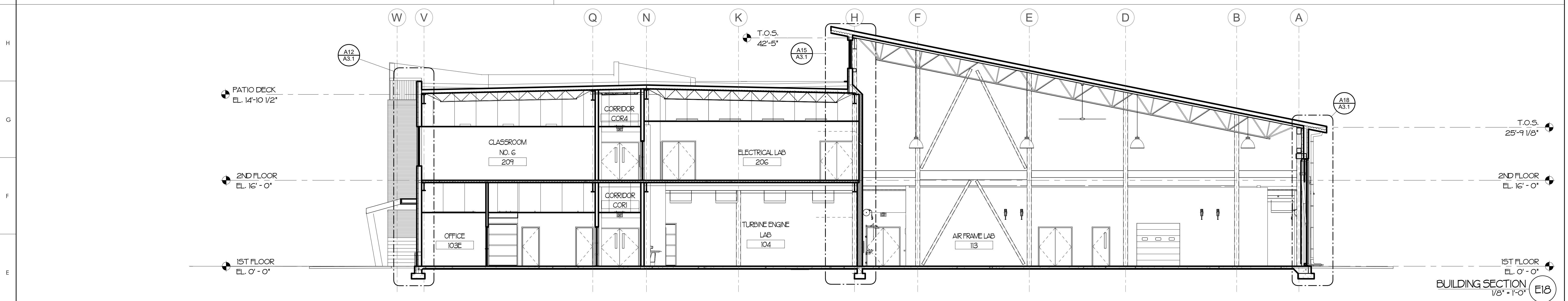
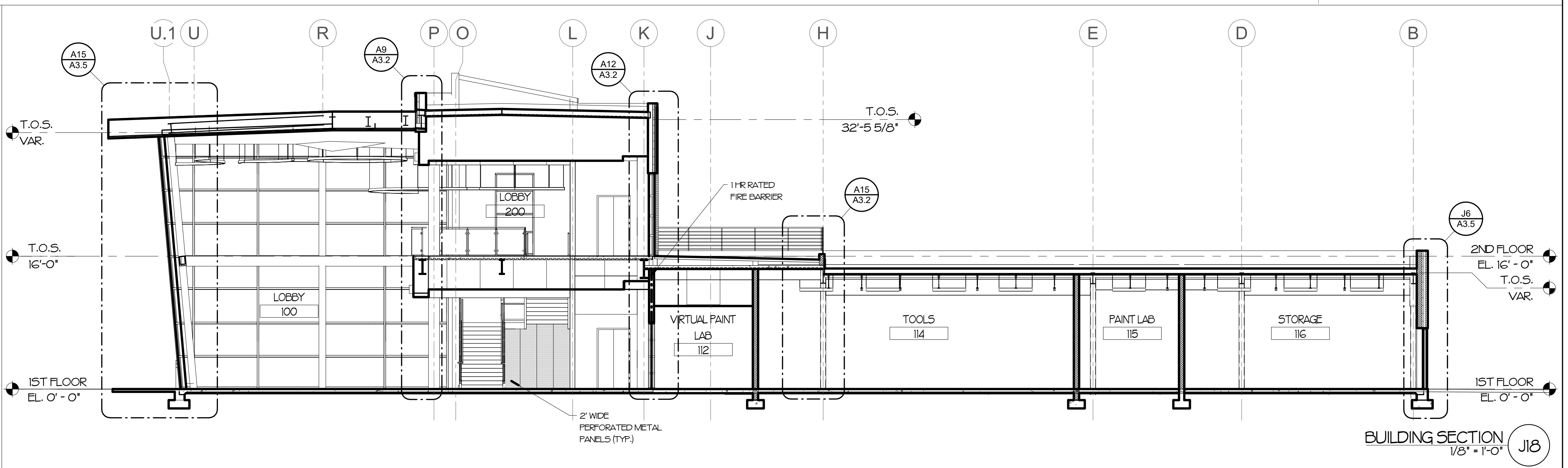
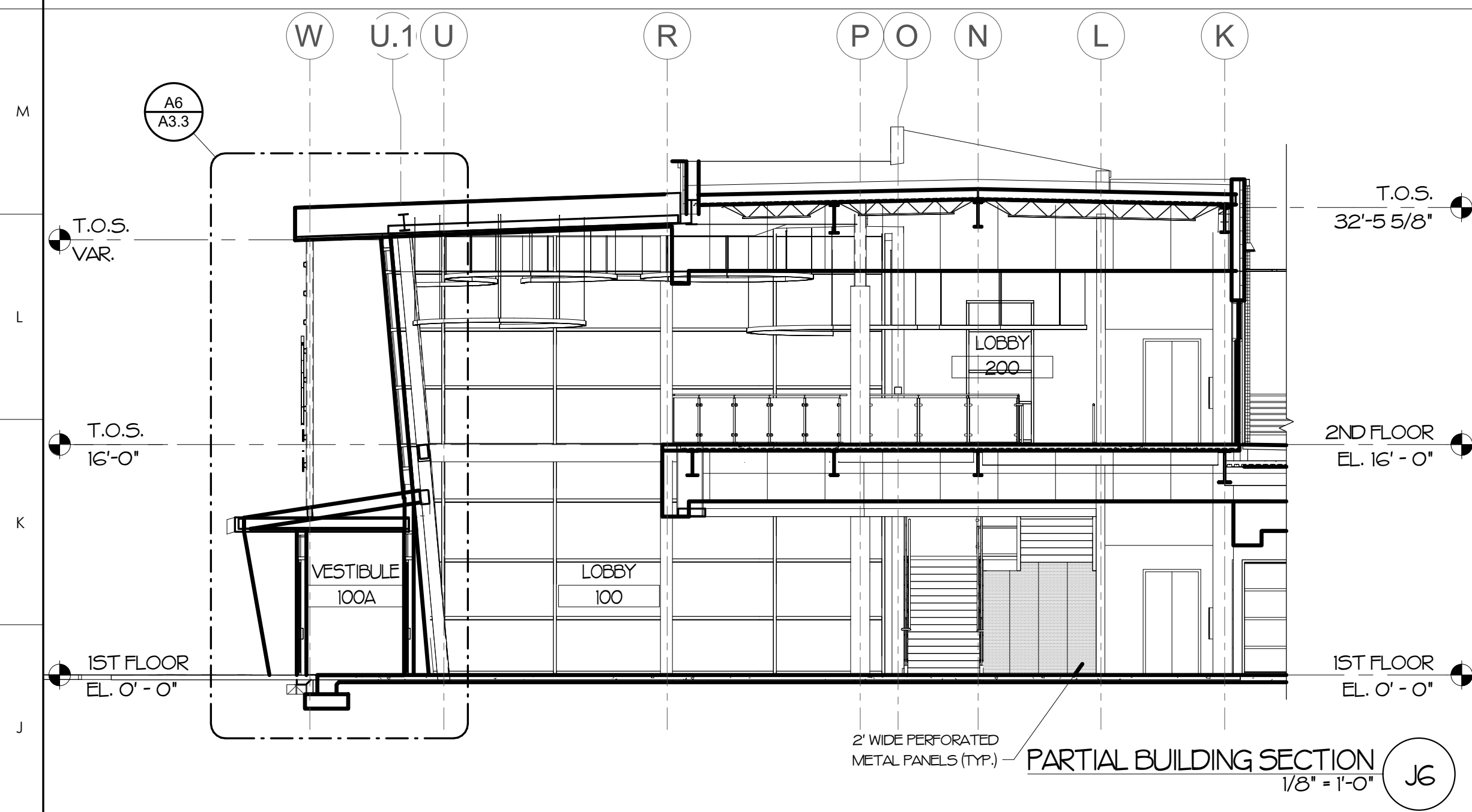
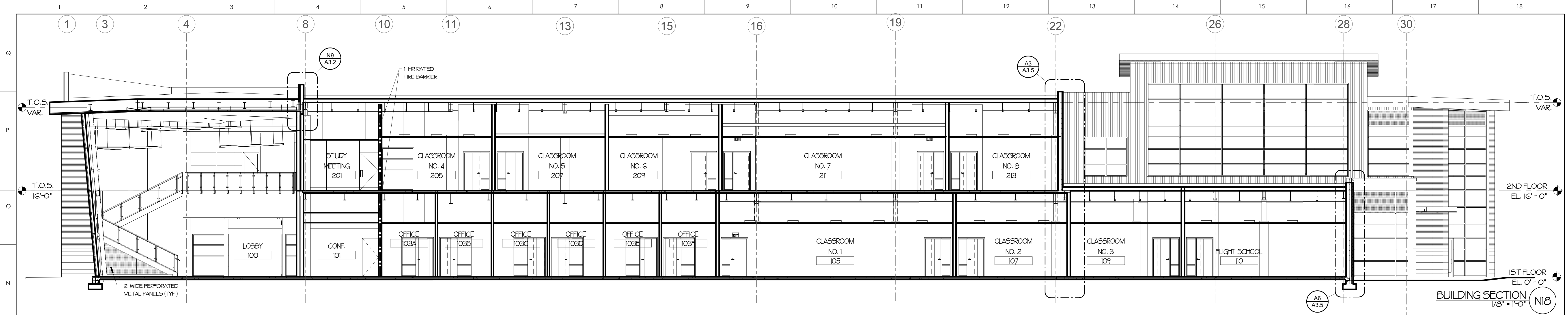
225 LYNDALE CT, SUITE F, GREENVILLE, NC 27608 252-355-1048

LENOIR COMMUNITY COLLEGE
NEW AVIATION CENTER FOR EXCELLENCE
KINSTON, NC

DRAWING TITLE
EXTERIOR ELEVATIONS

SCALE	1/8" = 1'-0"
DRAWN	MED
CHECKED	JKF
DATE	2-28-2024
PROJECT NO.	2022-13

A2.2



MATERIALS KEYING LEGEND

GENERAL NOTES

KEY PLAN

SCO ID # 22-25364-02A

NO	REVISION	DATE

JOHN K. FARBER ARCHITECTURE
J K F ARCHITECTURE

225 LYNDALE CT, SUITE F, GREENVILLE, NC 27608 252-355-1048

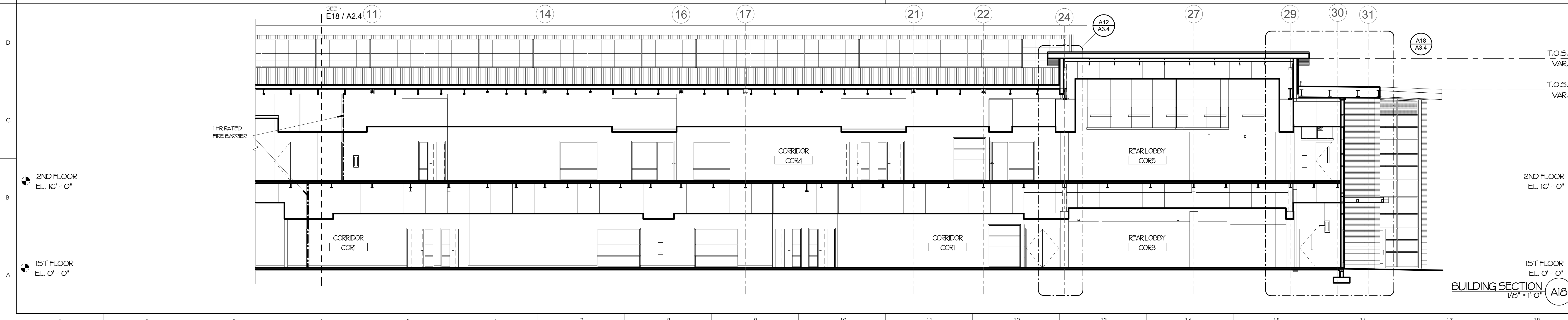
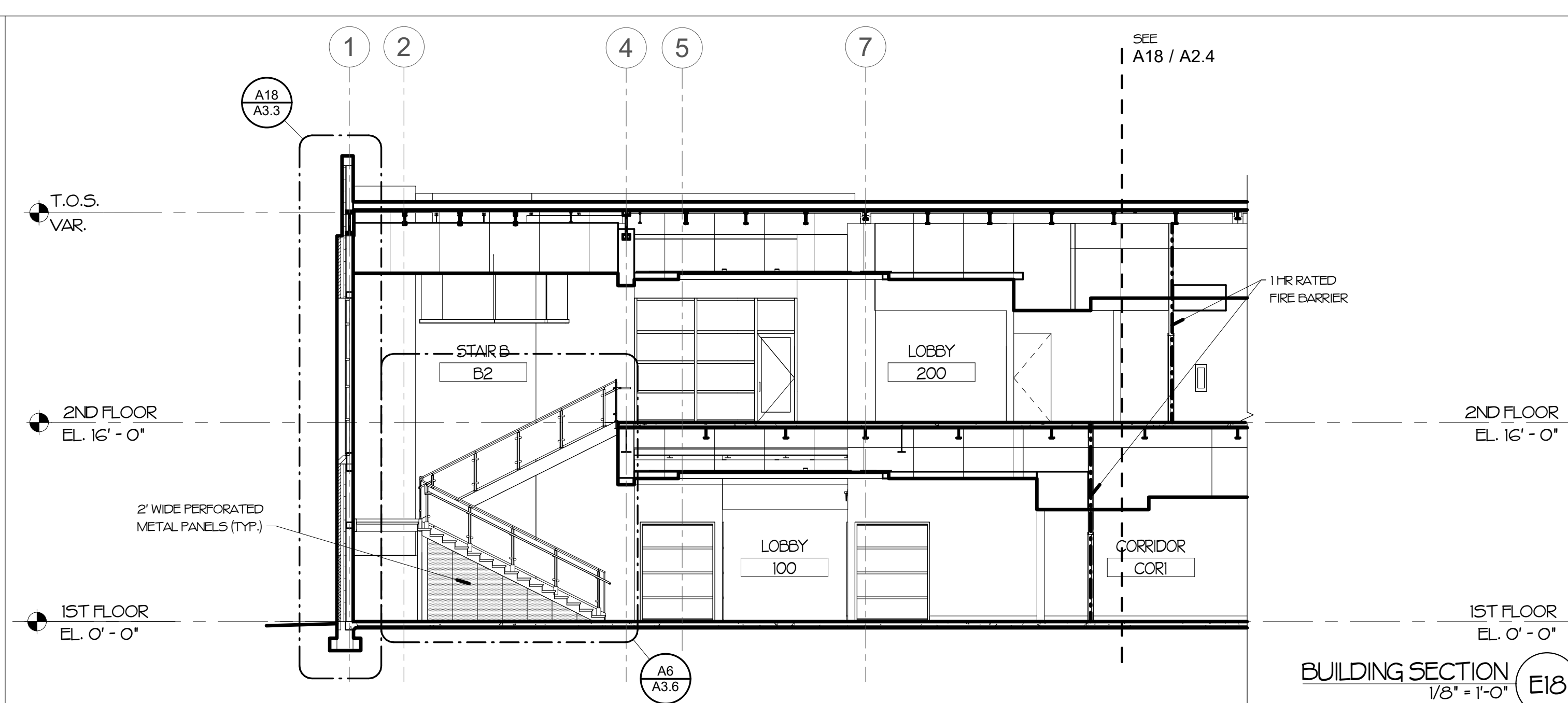
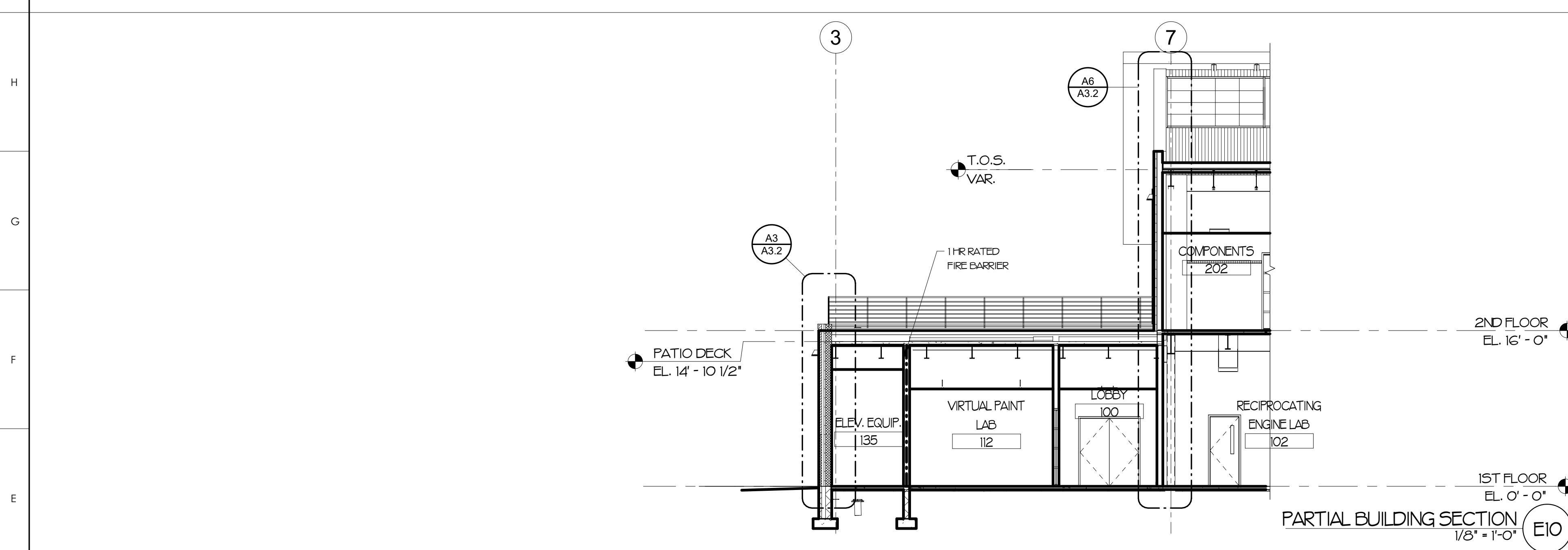
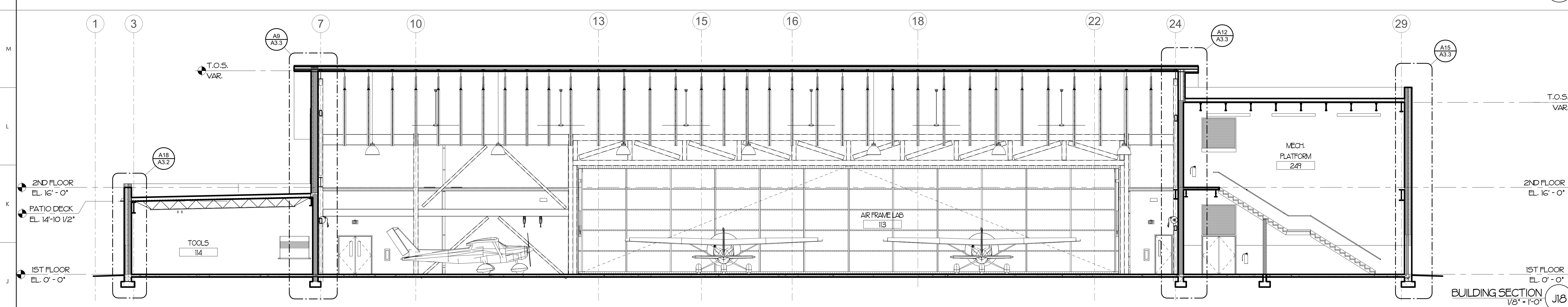
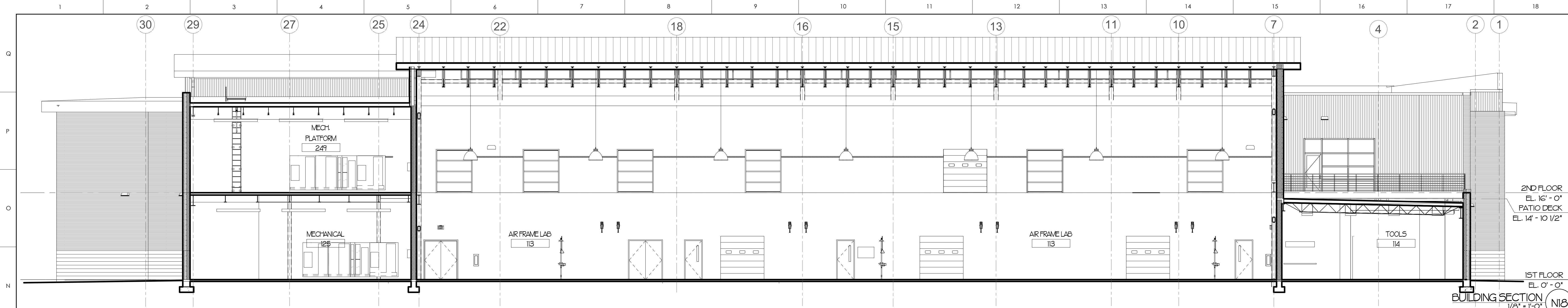
**LENOIR COMMUNITY COLLEGE
NEW AVIATION CENTER FOR EXCELLENCE
KINSTON, NC**

DRAWING TITLE: **BUILDING SECTIONS**

SCALE	1/8" = 1'-0"
DRAWN	MCZ
CHECKED	JKF
DATE	2-28-2024
PROJECT NO.	2022-13

A2.3

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MATERIALS KEYING LEGEND

GENERAL NOTES

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-

KEY PLAN



SCO ID # 22-25364-02A

NO	REVISION	DATE

JOHN K. FARRELL ARCHITECTURE
 8/15/2024
 JKFA
 GREENVILLE, NC

225 LYNDALE CT, SUITE F, GREENVILLE, NC 27608 252-355-1049
 LENOIR COMMUNITY COLLEGE
 NEW AVIATION CENTER FOR EXCELLENCE
 KINSTON, NC

DRAWING TITLE: BUILDING SECTIONS

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

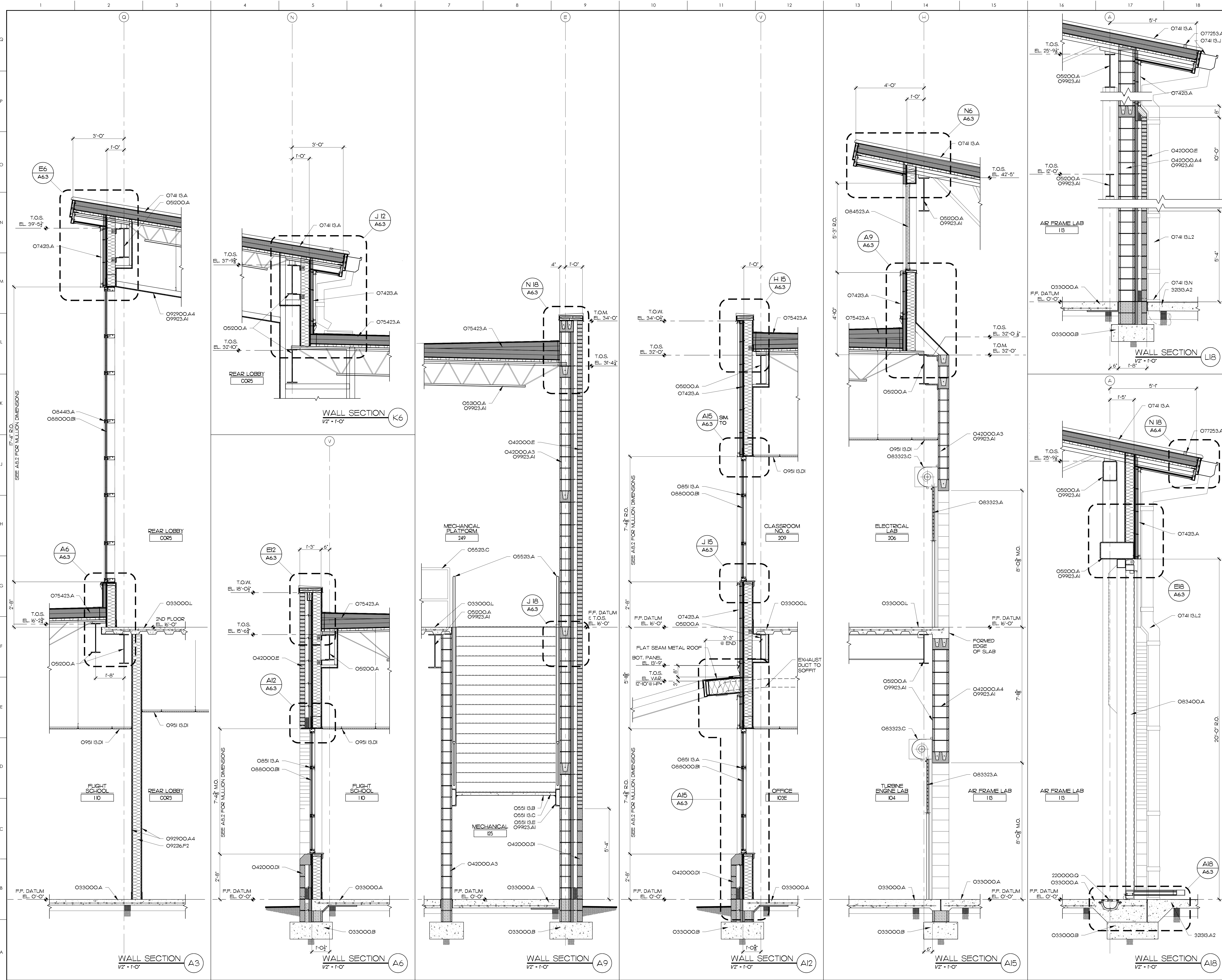
DRAWN: MCZ

CHECKED: JFK

DATE: 2-28-2024

PROJECT NO: 2022-13

A2.4



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.A.3 - CONCRETE MASONRY UNIT, 8"
- O42000.A.4 - CONCRETE MASONRY UNIT, 12"
- O42000.D.I - CONCRETE MASONRY UNIT, DECORATIVE 4"
- O42000.E - FACE BRICK
- O5200.A - STRUCTURAL STEEL. SEE STRUCTURAL DRAWINGS
- O5200.B - STEEL ANGLE, SIZE AS INDICATED
- O5200.A - STEEL BAR JOST, SEE STRUCTURAL DRAWINGS
- O551.B.B - STEEL PAN
- O551.B.C - CONC. PAN FILL
- O551.B.E - STEEL STRINGERS
- O5523.A - HANDRAIL, 1 1/2" OD, PAINTED STEEL
- O5523.C - STEEL GUARDRAIL ASSEMBLY, 42" HIGH, PAINTED
- O741.B.A - METAL ROOF, STANDING SEAM SYSTEM
- O741.B.J - METAL GUTTER
- O741.B.L.2 - METAL DOWNSPOUT, 8X8
- O741.B.N - PRE-FABRICATED BOOT
- O7423.A - METAL WALL PANEL
- O75423.A - TPO ROOFING SYSTEM
- O77253.A - SNOW GUARD
- O83323.A - OVER-HEAD COLING DOOR
- O83323.C - OVER-HEAD COLING DOOR, METAL HOUSING
- O83400.A - HYDRAULIC DOOR
- O8443.A - ALUMINUM CURTAIN WALL ASSEMBLY
- O84523.A - FIBERGLASS-SANDWICH PANEL ASSEMBLY
- O851.B.A - ALUMINUM WINDOW ASSEMBLY
- O88000.B.I - 1" INSULATING GLASS-LOW E
- O9226.F.2 - 6" METAL STUDS AT 16" O.C.
- O9290.A.4 - 5/8" GYPSUM WALLBOARD
- O951.B.D.I - ACOUSTICAL PANEL CEILING TLE, 2X2
- O9923.A.I - PAINT FINISH INTERIOR SYSTEM
- 220000.Q - TRENCH DRAIN
- 32333.A.2 - CONCRETE PAVING. SEE CIVIL DRAWINGS

GENERAL NOTES

1 (*) DENOTES ELEVATION T.O.S. IS DRAWN AT.

KEY PLAN

SCO ID #22-25364-02A

NO. REVISION DATE

JOHN K. FARLEY

 REGISTERED ARCHITECT

 3/15/2024

 JOHN FARLEY

 4/11/2023

423 LYNDALE CT., SUITE F, GREENVILLE, NC 27638 252-355-1048

 LENOR COMMUNITY COLLEGE

 NEW AVIATION CENTER

 FOR EXCELLENCE

 KINSTON, NC

DRAWING TITLE: WALL SECTIONS

SCALE: 1/2" = 1'-0"

 DRAWING NO.

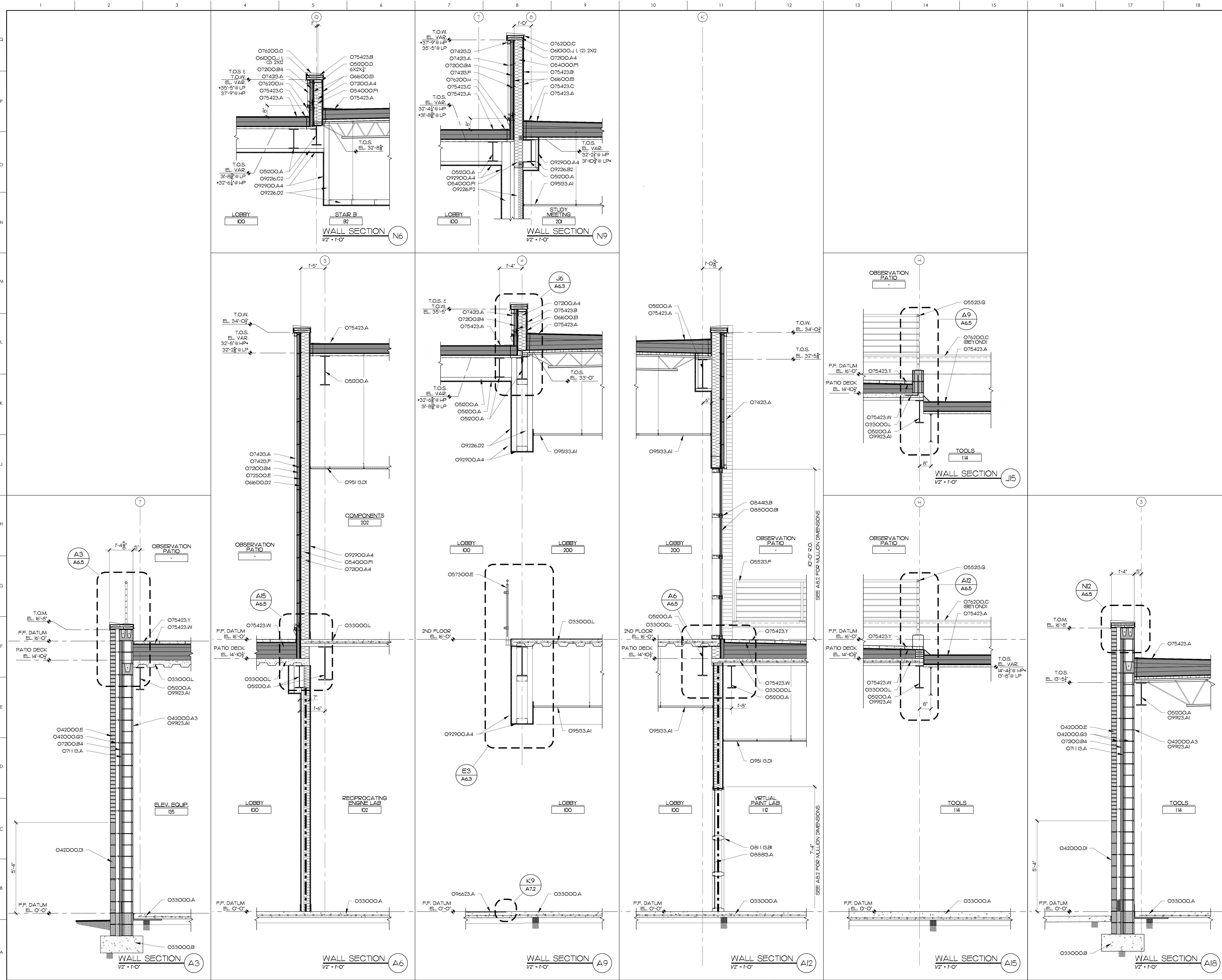
 DRAWN: JRH

 CHECKED: JKF

 DATE: 2-28-2024

 PROJECT NO.: 2022-18

A3.1



MATERIALS KEYING LEGEND

- 033000A - CONCRETE SLAB ON GRADE, SEE STRUCTURAL
- 033000B - CONCRETE FOOTING, SEE STRUCTURAL
- 033000L - CONCRETE SLAB ON STEEL DECK, SEE STRUCTURAL
- 042000A3 - CONCRETE MASONRY UNIT, 8" DECORATIVE 4"
- 042000E - FACE BRICK
- 042000G3 - HORIZONTAL JOINT REINF. AT 16" VERT. & BRICK TIE EYES AT 24" O.C. HORIZ.
- 052000A - STRUCTURAL STEEL, SEE STRUCTURAL DRAWINGS
- 052000D - TUBE STEEL, SIZE AS INDICATED
- 054000F1 - COLD FORMED METAL FRAMING, 6" STUD AT 16" O.C.
- 055203F - STEEL HANDRAIL ASSEMBLY, 34" HIGH, PAINTED
- 055203G - GUARDRAIL ASSEMBLY, 42" HIGH STAINLESS STEEL
- 057300E - DECORATIVE METAL/GLASS RAIL SYSTEM (QMGRS)
- 061000J1 - WOOD BLOCKING AS NOTED
- 066000D2 - GLASS-MAT GYPSUM SHEATHING, 5/8" THICK
- 066000E1 - PLYWOOD ROOF SHEATHING, 1/2" THICK
- 07113.A - BITUMINOUS DAMPROOFING
- 07200A4 - R-19 BATT INSULATION
- 07200B4 - 2" RIGID INSULATION
- 072500E - BUILDING WRAP
- 07423.A - METAL WALL PANEL
- 07423.D - METAL CLOSURE TRIM
- 07423.F - 2" METAL Z-FLURRING CHANNEL, 16" O.C.
- 075423.A - TPO ROOFING SYSTEM
- 075423.B - TPO MEMBRANE, FULLY ADHERED
- 075423.C - REINF. STRIP, 6" WIDE (RUSS)
- 075423.W - TPO MEMBRANE, LOOSE LAYED, BALLASTED
- 075423.Y - CONCRETE PAVER BALLAST, 24"x24"x2"
- 076200C - METAL COPING
- 076200H - 2-PIECE METAL COUNTERFLASH
- 08113.B - HOLLOW METAL FRAME (FIRE RATED)
- 08443.B - ALUMINUM CURTAIN WALL FRAMING
- 088000B1 - 1" INSULATING GLASS-LOW E
- 08883.A - FIRE RATED GLASS 5/8" THICK
- 09226.E2 - 1 5/8" METAL STUD AT 16" O.C.
- 09226.C2 - 2 1/2" METAL STUDS AT 16" O.C.
- 09226.D2 - 3 5/8" METAL STUDS AT 16" O.C.
- 09226.F2 - 6" METAL STUDS AT 16" O.C.
- 092900A4 - 5/8" GYPSUM WALLBOARD
- 09513.D1 - ACOUSTICAL PANEL, CEILING TILE, 2X2
- 09513.A1 - METAL ACOUSTICAL CEILING PANEL, 2X6
- 096623.A - TERRAZZO FLOOR
- 09923.A1 - PAINT FINISH, INTERIOR SYSTEM

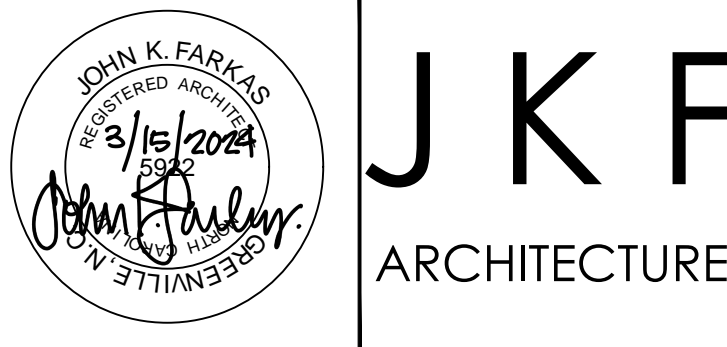
GENERAL NOTES

1 (*) DENOTES ELEVATION DETAIL IS DRAWN AT.

KEY PLAN

SCO ID #22-25364-02A

NO	REVISION	DATE



JKF
ARCHITECTURE

623 LYNDALE CT., SUITE F, GREENVILLE, NC 27838 252-355-1048

LENOIR COMMUNITY COLLEGE
NEW AVIATION CENTER
FOR EXCELLENCE
KINSTON, NC

DRAWING TITLE: **WALL SECTIONS**

SCALE: 1/2" = 1'-0"

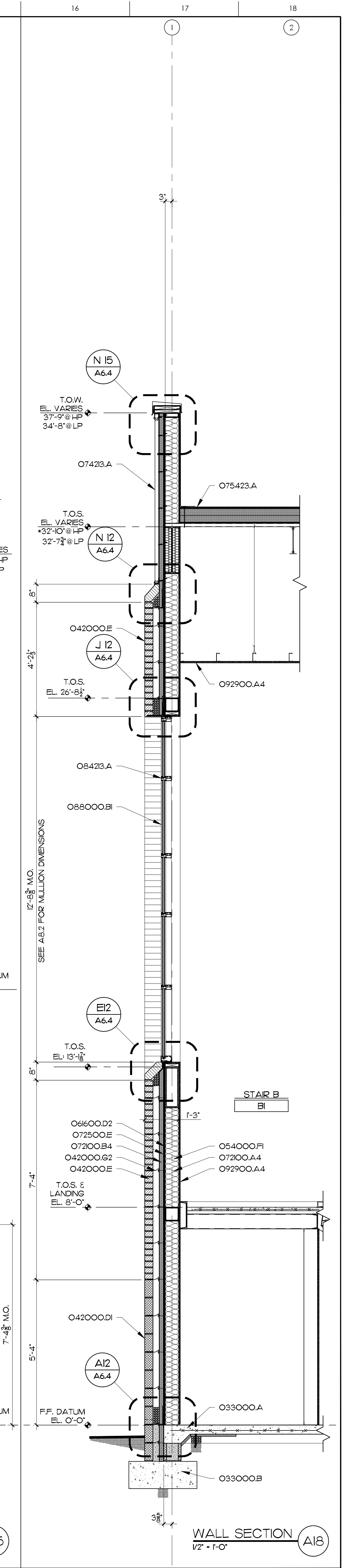
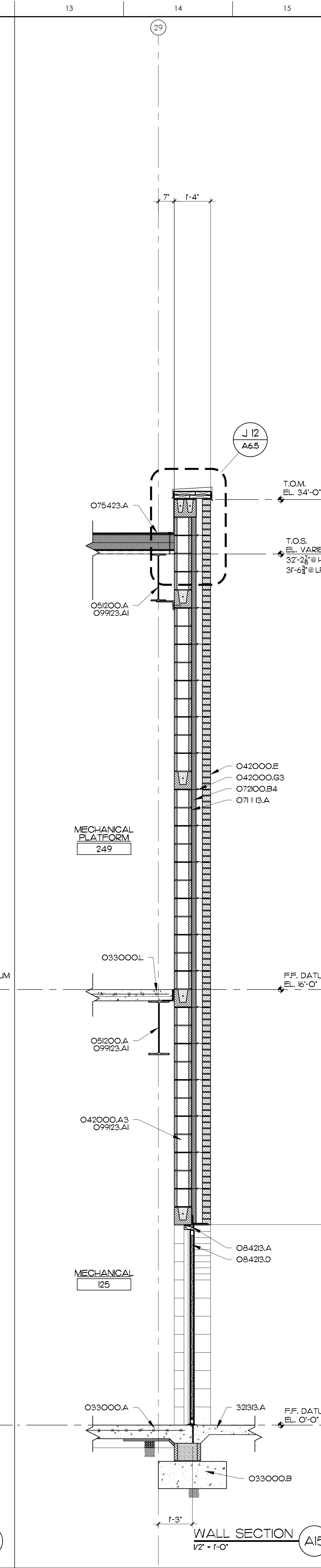
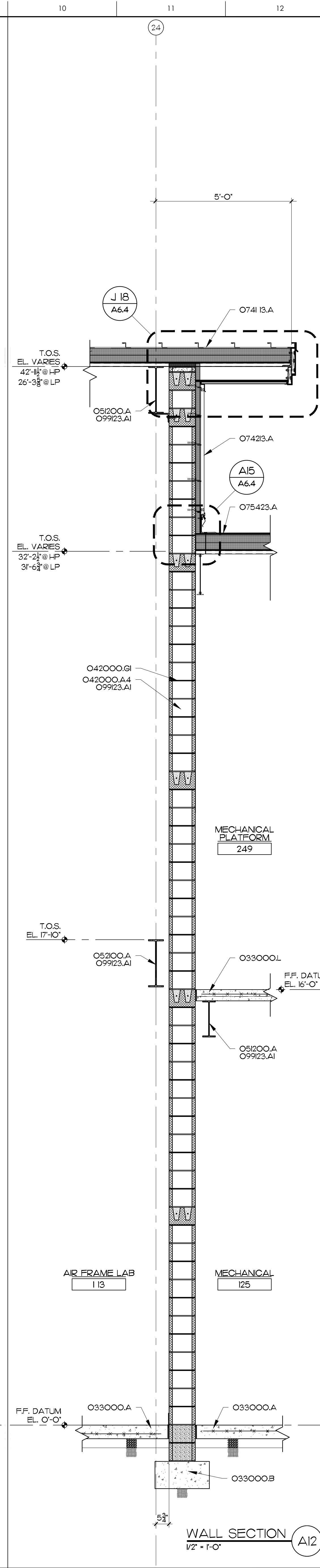
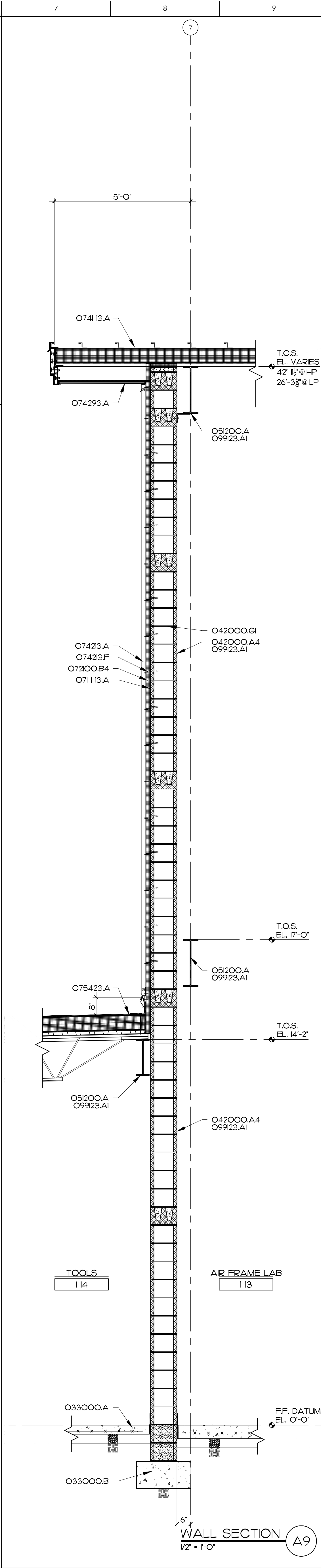
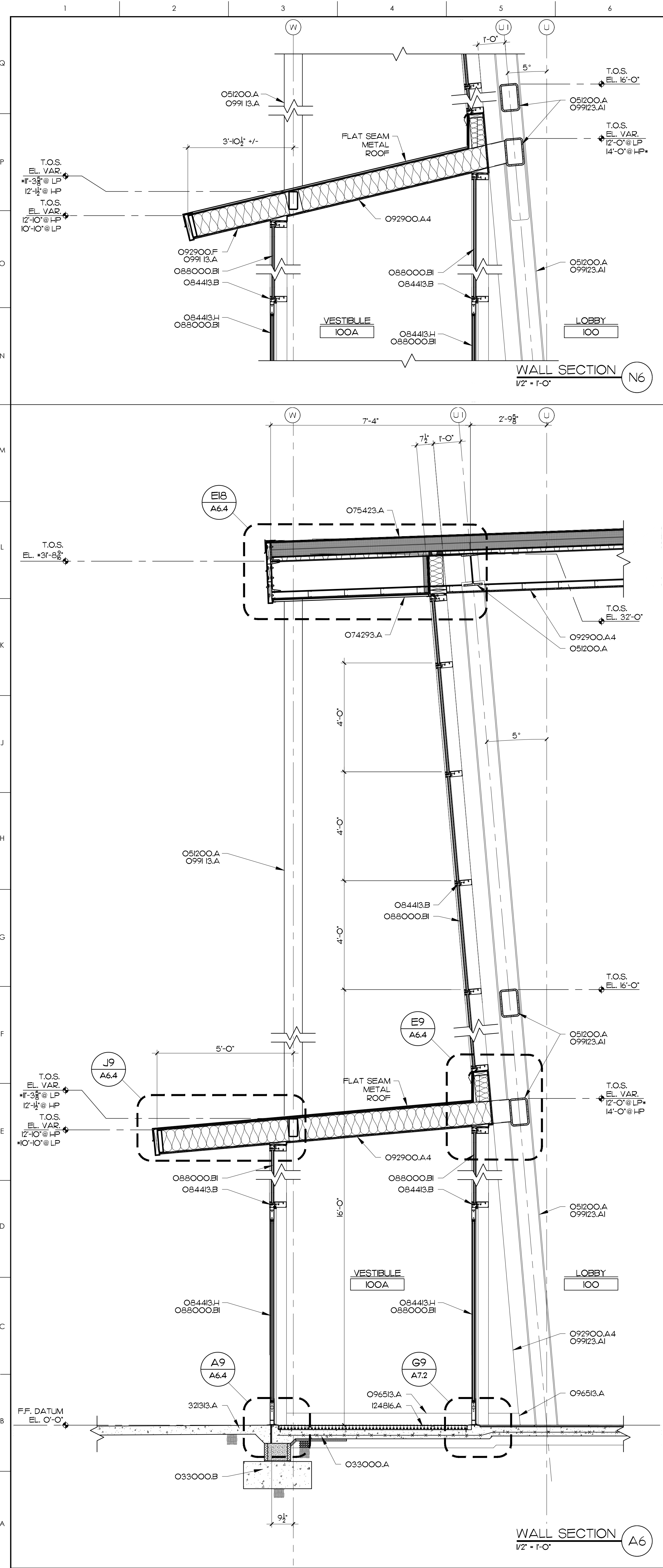
DRAWN: JRH

CHECKED: JKF

DATE: 2-28-2024

PROJECT NO: 2022-18

A3.2



MATERIALS KEYING LEGEND

- 033000.A - CONCRETE SLAB ON GRADE, SEE STRUCTURAL DRAWINGS
- 033000.B - CONCRETE FOOTING, SEE STRUCTURAL DRAWINGS
- 033000.L - CONCRETE SLAB ON STEEL DECK, SEE STRUCTURAL DRAWINGS
- 042000.A.3 - CONCRETE MASONRY UNIT, 8"
- 042000.A.4 - CONCRETE MASONRY UNIT, 12"
- 042000.DI - CONCRETE MASONRY UNIT, DECORATIVE 4"
- 042000.E - FACE BRICK
- 042000.GI - HORIZONTAL JOINT REINFORCING AT 16" O.C. VERT. 24" O.C. HORIZ.
- 042000.G2 - ADJ. BRICK TIES AT 16" OC VERT. & BRICK TIE EYES AT 24" O.C. HORIZ.
- 042000.G3 - HORIZONTAL JOINT REIN. AT 16" VERT. & BRICK TIE EYES AT 24" O.C. HORIZ.
- 052000.A - STRUCTURAL STEEL, SEE STRUCTURAL DRAWINGS
- 052000.A - STEEL BAR JOIST, SEE STRUCTURAL DRAWINGS
- 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
- 072000.A4 - R-19 BATT INSULATION
- 072000.B4 - 2" RIGID INSULATION
- 072500.E - BUILDING WRAP
- 074113.A - METAL ROOF, STANDING SEAM SYSTEM
- 07423.F - METAL WALL PANEL
- 07423.F - 2" METAL Z-FLURRING CHANNEL, 16" O.C.
- 074293.A - METAL SOFFIT PANELS
- 075423.A - TPO ROOFING SYSTEM
- 08423.A - STOREFRONT FRAMING, THERMALLY BROKEN
- 08423.D - ALUMINUM FRP DOOR
- 08443.B - ALUMINUM CURTAIN WALL FRAMING
- 08443.H - ALUMINUM STILE AND RAIL DOOR
- 088000.BI - 1" INSULATING GLASS-LOW E
- 092900.A.4 - 5/8" GYPSUM WALLBOARD
- 092900.F - EXTERIOR GYPSUM SOFFIT BOARD
- 096513.A - RESILIENT BASE
- 099113.A - PAINT FINISH EXTERIOR SYSTEM
- 09923.AI - PAINT FINISH INTERIOR SYSTEM
- 124816.A - FOOT GRILLE, RECESSED
- 32313.A - CONCRETE SIDEWALK, 4" THICK

GENERAL NOTES

1. (*) DENOTES ELEVATION DETAIL IS DRAWN AT.

KEY PLAN

SCO ID #22-25364-02A

NO.	REVISION	DATE

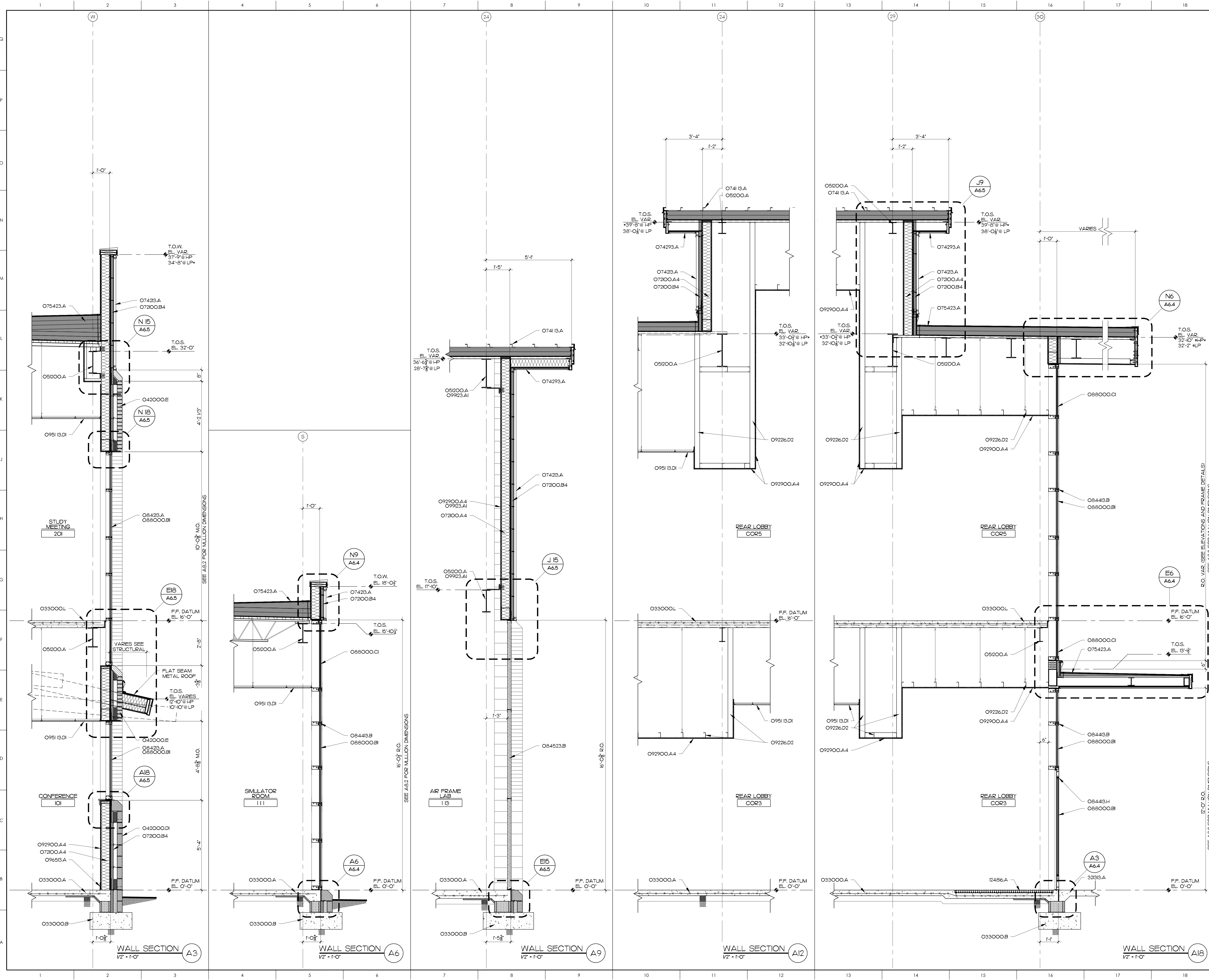
JOHN K. FARAS ARCHITECTURE
J K F
 ARCHITECTURE

423 LYNDALE CT., SUITE F, GREENVILLE, NC 27838 252-355-1048
 LENOR COMMUNITY COLLEGE
 NEW AVIATION CENTER
 FOR EXCELLENCE
 KINSTON, NC

DRAWING TITLE: **WALL SECTIONS**

SCALE: 1/2" = 1'-0" DRAWING NO. A3.3

DRAWN: MCZ
 CHECKED: JKF
 DATE: 2-28-2024
 PROJECT NO.: 2022-18



MATERIALS KEYING LEGEND

- 033000.A - CONCRETE SLAB ON GRADE, SEE STRUCTURAL
- 033000.B - CONCRETE FOOTING, SEE STRUCTURAL
- 033000.L - CONCRETE SLAB ON STEEL DECK, SEE STRUCTURAL
- 042000.DI - CONCRETE MASONRY UNIT, DECORATIVE 4"
- 042000.E - FACE BRICK
- 05200.A - STRUCTURAL STEEL, SEE STRUCTURAL DRAWINGS
- 05200.A - STEEL BAR JOIST, SEE STRUCTURAL DRAWINGS
- 07200.A4 - R-19 BATT INSULATION
- 07200.B4 - 2" RIGID INSULATION
- 0741.B.A - METAL ROOF, STANDING SEAM SYSTEM
- 07423.A - METAL WALL PANEL
- 074293.A - METAL SOFFIT PANELS
- 075423.A - TPO ROOFING SYSTEM
- 08423.A - STOREFRONT FRAMING, THERMALLY BROKEN
- 08443.B - ALUMINUM CURTAIN WALL FRAMING
- 08443.H - ALUMINUM STYLE AND RAIL DOOR
- 084523.B - FIBERGLASS SANDWICH PANEL ASSEMBLY, 2-3/4" THICK
- 088000.BI - 1" INSULATING GLASS-LOW E
- 088000.CI - INSULATING SPANDREL GLASS, 1" THICK
- 09226.D2 - 3 5/8" METAL STUDS AT 16" O.C.
- 092900.A4 - 5/8" GYPSUM WALLBOARD
- 0951.B.DI - ACOUSTICAL PANEL, CEILING TILE, 2X2
- 09653.A - RESILIENT BASE
- 09923.AI - PAINT FINISH, INTERIOR SYSTEM
- 12486.A - FOOT GRILLE, RECESSED
- 32393.A - CONCRETE SIDEWALK, 4" THICK

GENERAL NOTES

1 (*) DENOTES ELEVATION T.O.S. IS DRAWN AT.

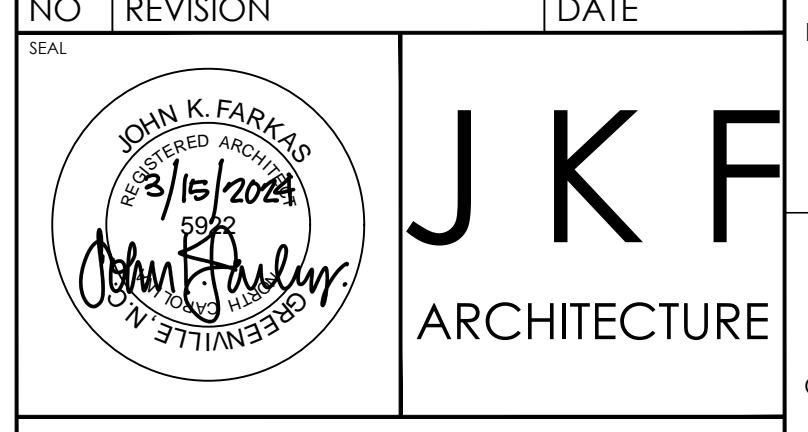
R.O. VAR. (SEE ELEVATIONS AND FRAME DETAILS)
 SEE A&S FOR MILLION DIMENSIONS

KEY PLAN

SCO ID #22-25364-02A

NO. REVISION DATE

NO. REVISION DATE



623 LYNNDALE CT, SUITE F, GREENVILLE, NC 27838 252-355-1048

**LENOR COMMUNITY COLLEGE
 NEW AVIATION CENTER
 FOR EXCELLENCE
 KINSTON, NC**

DRAWING TITLE: **WALL SECTIONS**

SCALE: 1/2" = 1'-0"

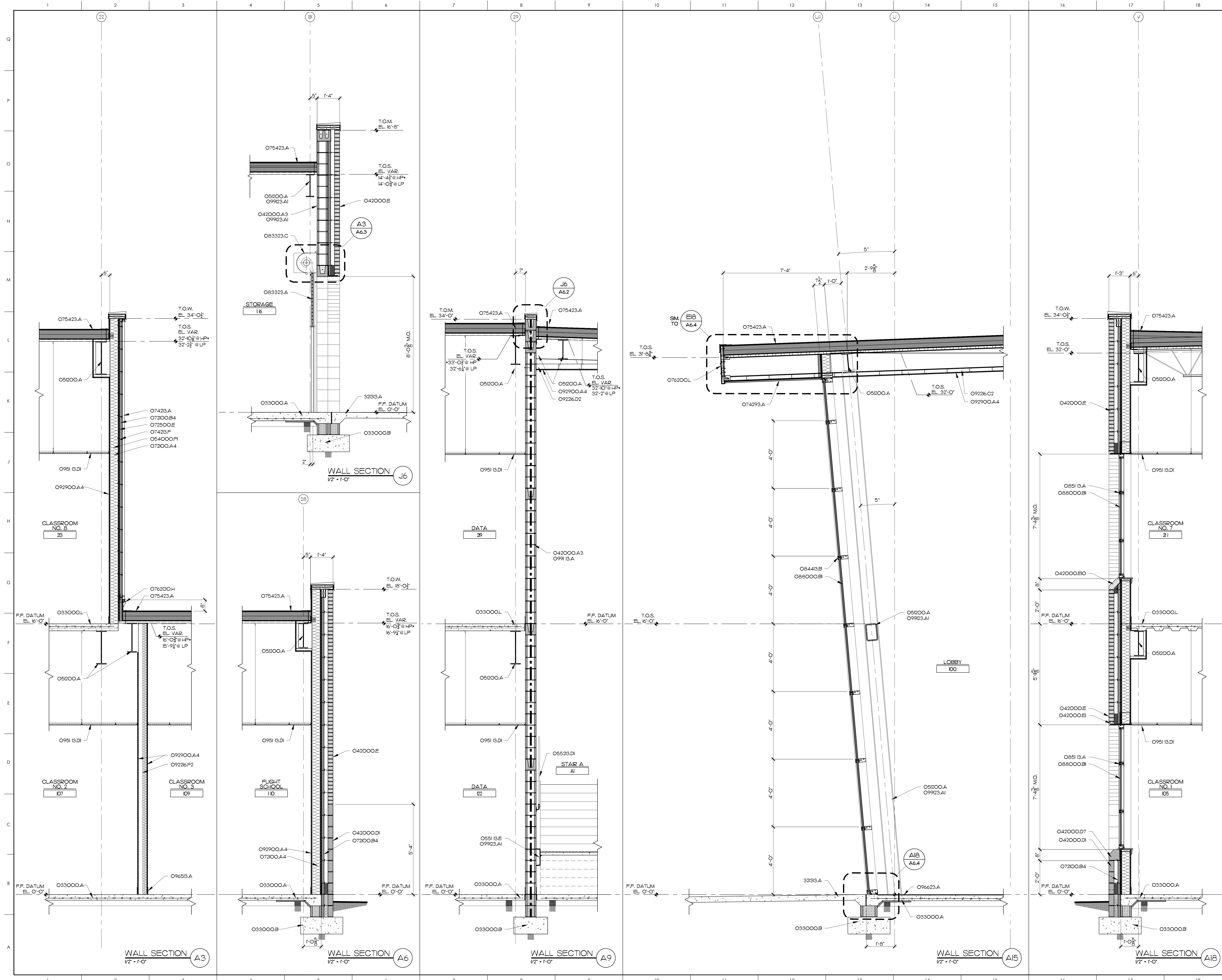
DRAWN BY: MCZ

CHECKED BY: JKF

DATE: 2-28-2024

PROJECT NO.: 2022-18

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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.A3 - CONCRETE MASONRY UNIT, 8"
- O42000.DI - CONCRETE MASONRY UNIT, DECORATIVE 4"
- O42000.D7 - CONCRETE MASONRY UNIT, DECORATIVE, SPECIAL SHAPE
- O42000.E - FACE BRICK
- O42000.EI - FACE BRICK, S-ELF BRICK
- O42000.EIO - FACE BRICK, SOLDER COURSE SILL, SPECIAL SHAPE
- O51200.A - STRUCTURAL STEEL, SEE STRUCTURAL DRAWINGS
- O54000.FI - COLD FORMED METAL FRAMING, 6" STUD AT 16" O.C.
- O55113.E - STEEL STRINGERS
- O55213.DI - HANDRAIL, 1 1/2" SQUARE TUBE, PAINTED
- O7200.A4 - R-19 BATT INSULATION
- O7200.B4 - 2" RIGID INSULATION
- O72500.E - BUILDING WRAP
- O74113.A - METAL ROOF, STANDING SEAM SYSTEM
- O74213.A - METAL WALL PANEL
- O74213.F - 2" METAL Z-FLOORING CHANNEL, 16" O.C.
- O74213.G - METAL SOFFIT PANELS
- O75423.A - TPO ROOFING SYSTEM
- O76200.H - 2-PIECE METAL COUNTERFLASH
- O76200.L - METAL FASCIA
- O83323.A - OVER-HEAD COILING DOOR, METAL HOUSING
- O84413.B - ALUMINUM CURTAIN WALL FRAMING
- O85113.A - ALUMINUM WINDOW ASSEMBLY
- 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.
- O92900.A4 - 5/8" GYPSUM WALLBOARD
- O95113.DI - ACOUSTICAL PANEL, CEILING TILE, 2X2
- O96513.A - RESILIENT BASE
- O96623.A - TERRAZZO FLOOR
- O99113.A - PAINT FINISH, EXTERIOR SYSTEM
- O99213.AI - PAINT FINISH, INTERIOR SYSTEM
- 32313.A - CONCRETE SIDEWALK, 4" THICK

GENERAL NOTES

- (*) DENOTES ELEVATION T.O.S. IS DRAWN AT.

KEY PLAN

SCO ID #22-25364-02A

NO. REVISION DATE

JKF
ARCHITECTURE

623 LYNDALE CT., SUITE F, GREENVILLE, NC 27838 252-355-1048

LENOIR COMMUNITY COLLEGE
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FOR EXCELLENCE
KINSTON, NC

DRAWING TITLE: **WALL SECTIONS**

SCALE: 1/2" = 1'-0"

DRAWN: MCZ

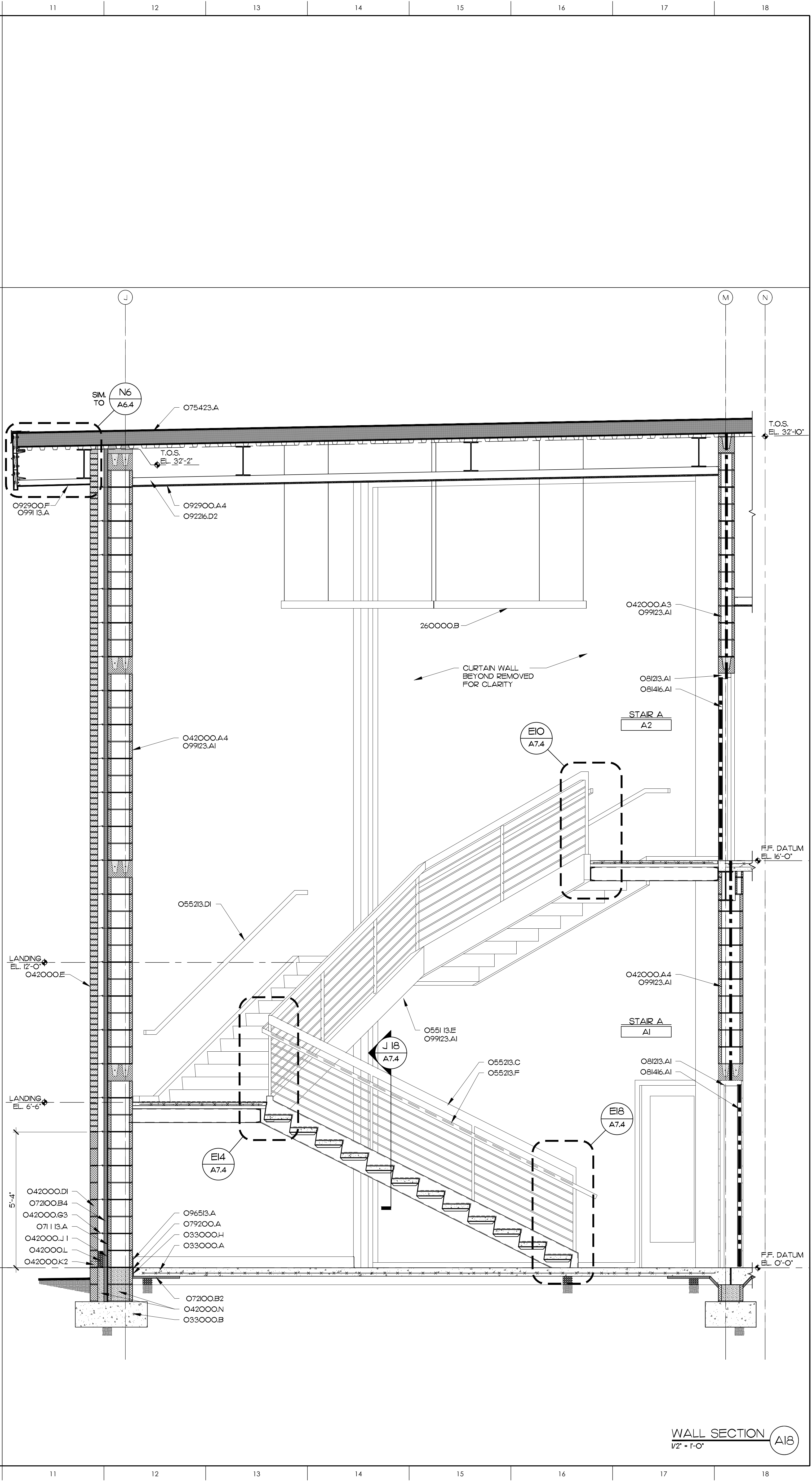
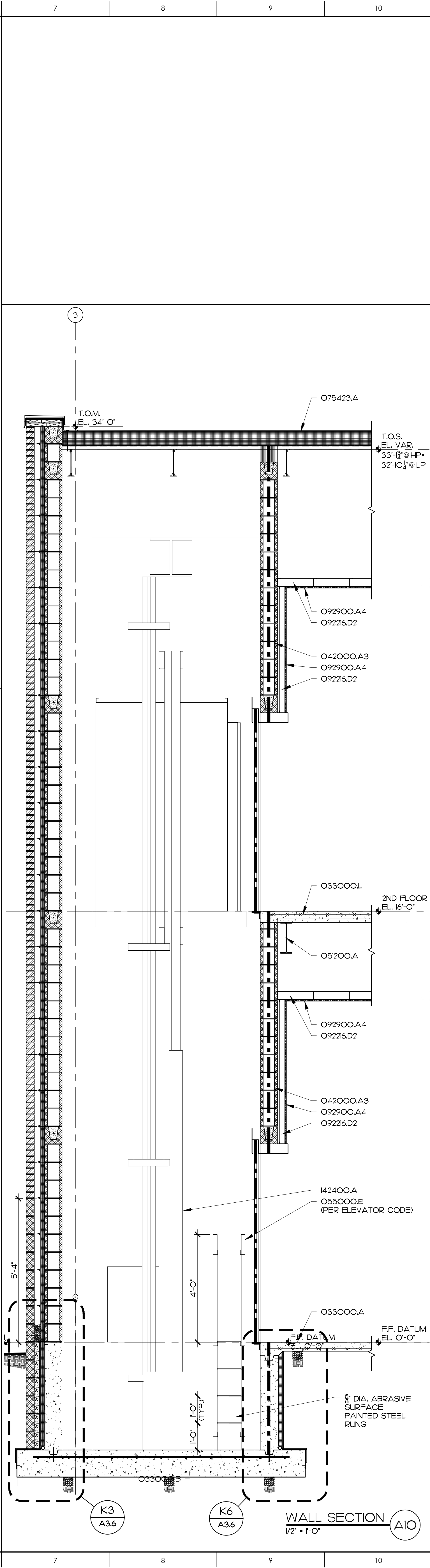
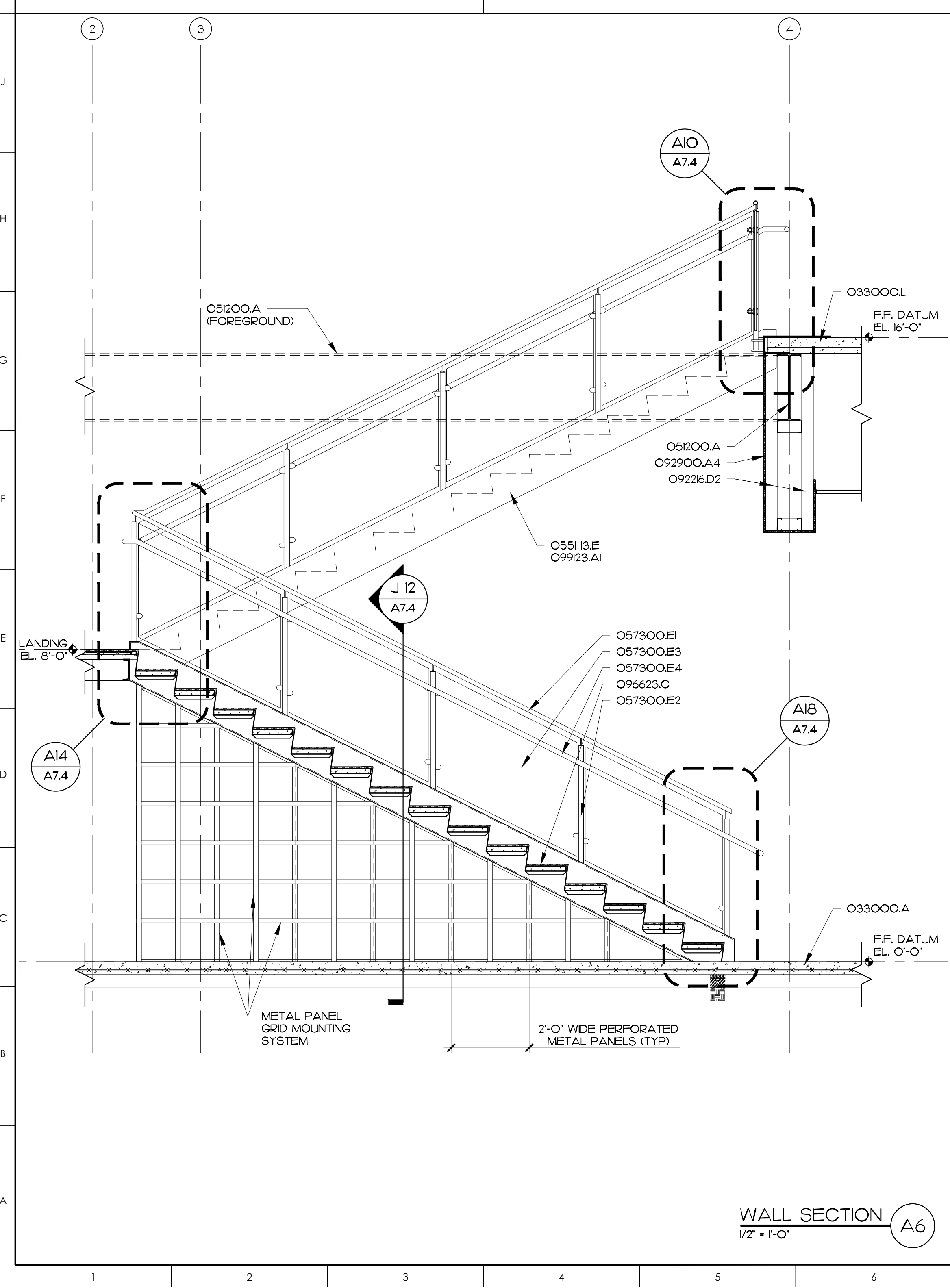
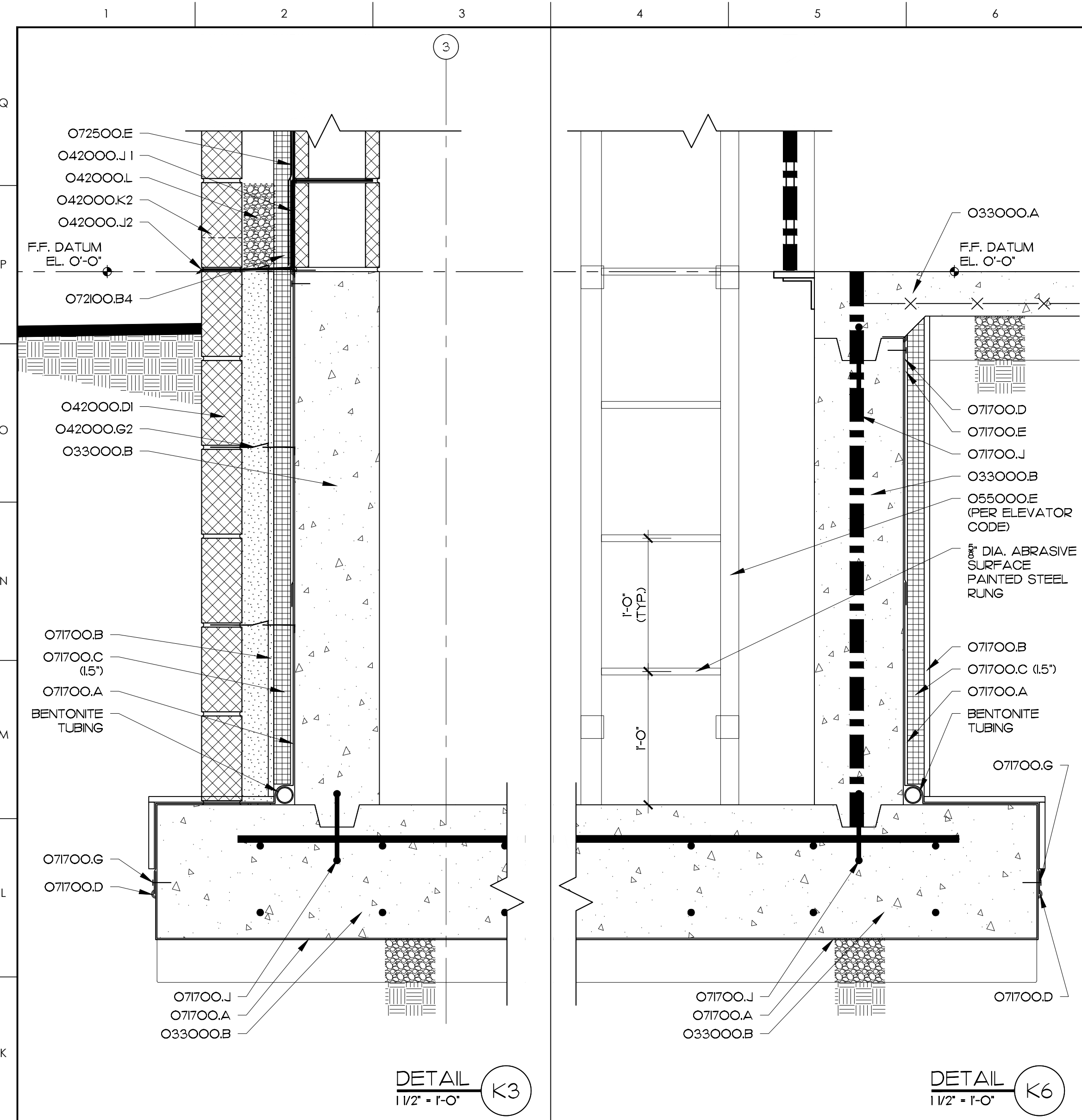
CHECKED: JKF

DATE: 2-28-2024

PROJECT NO.: 2022-18

DRAWING NO.: **A3.5**

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- MATERIALS KEYING LEGEND**
- 033000.A - CONCRETE SLAB ON GRADE, SEE STRUCTURAL
 - 033000.B - CONCRETE FOOTING, SEE STRUCTURAL
 - 033000.H - COMPRESSIBLE FILL
 - 042000.A.3 - CONCRETE MASONRY UNIT, 8"
 - 042000.A.4 - CONCRETE MASONRY UNIT, 12"
 - 042000.DI - CONCRETE MASONRY UNIT, DECORATIVE 4"
 - 042000.E - FACE BRICK
 - 042000.G2 - ADJ. BRICK TIES AT 16" OC VERT., 24" O.C. HORIZ.
 - 042000.G3 - HORIZONTAL JOINT REINF. AT 16" VERT., 6" BRICK TIE EYES AT 24" O.C. HORIZ.
 - 042000.J1 - THRU-WALL FABRIC FLASHING
 - 042000.J2 - METAL DRP FLASHING
 - 042000.K2 - WEEP SLOTS AT 16" O.C.
 - 042000.L - CAVITY DRAINAGE MATERIAL
 - 042000.N - GROUT SOLID
 - 05200.A - STRUCTURAL STEEL, SEE STRUCTURAL DRAWINGS
 - 055000.E - STEEL LADDER
 - 0551.B.E - STEEL STRINGERS
 - 05523.C - STEEL GUARDRAIL ASSEMBLY, 42" HIGH, PAINTED
 - 05523.DI - HANDRAIL, 1 1/2" SQUARE TUBE, PAINTED
 - 05523.E - GUARDRAIL, 1 1/2" SQUARE TUBE, PAINTED
 - 05523.F - STEEL HANDRAIL ASSEMBLY, 34" HIGH, PAINTED
 - 057300.EI - DMGRS, 1 1/2" DIA. TOP-RAL
 - 057300.E2 - DMGRS, METAL POST
 - 057300.E3 - DMGRS, GLASS PANEL
 - 057300.E4 - DMGRS, 1 1/2" DIA. HANDRAIL
 - 0711.B.A - BITUMINOUS DAMPROOFING
 - 07700.A - WATERPROOFING, BENTONITE
 - 07700.B - MOLDED DRAINAGE PANELS
 - 07700.C - INSULATION
 - 07700.D - MASTIC
 - 07700.E - TERMINATION BAR
 - 07700.F - MASONRY FASTENERS
 - 07700.J - WATER STOP
 - 07200.B2 - 1" RIGID INSULATION
 - 07200.B4 - 2" RIGID INSULATION
 - 072500.E - BUILDING WRAP
 - 075423.A - TPO ROOFING SYSTEM
 - 0823.A1 - HOLLOW METAL FRAME (FIRE-RATED)
 - 08146.A1 - SOLID CORE WOOD DOOR, FLUSH, (FIRE RATED)
 - 09226.D2 - 3/5" METAL STUDS AT 16" O.C.
 - 092900.A.4 - 5/8" GYPSUM WALLBOARD
 - 092900.A - SEALANT
 - 092900.F - EXTERIOR GYPSUM SOFFIT BOARD
 - 09653.A - RESILIENT BASE
 - 096623.C - TERRAZZO STAR TREAD
 - 0991.B.A - PAINT FNISH, EXTERIOR SYSTEM
 - 09923.A1 - PAINT FNISH, INTERIOR SYSTEM
 - 142400.A - HYDRAULIC ELEVATOR SYSTEM
 - 260000.B - INTERIOR LIGHT FIXTURE

GENERAL NOTES

1. (4) DENOTES ELEVATION T.O.S. IS DRAWN AT.

KEY PLAN

SCO ID #22-25364-02A

NO. REVISION DATE

JKF ARCHITECTURE

423 LYNDALE CT, SUITE F, GREENVILLE, NC 27838 252-355-1048

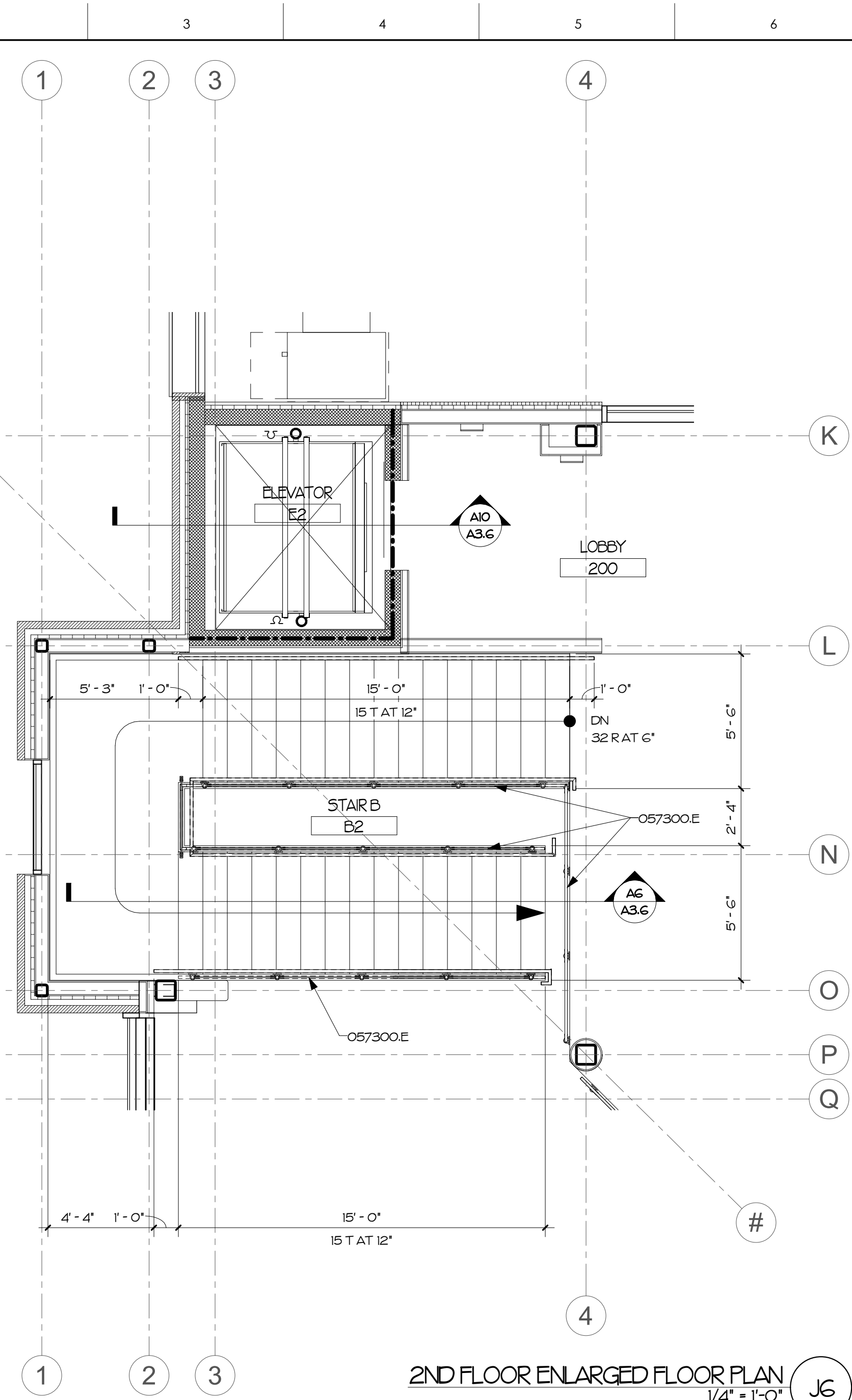
**LENOIR COMMUNITY COLLEGE
NEW AVIATION CENTER
FOR EXCELLENCE**
KINSTON, NC

DRAWING TITLE
WALL SECTIONS & DETAILS

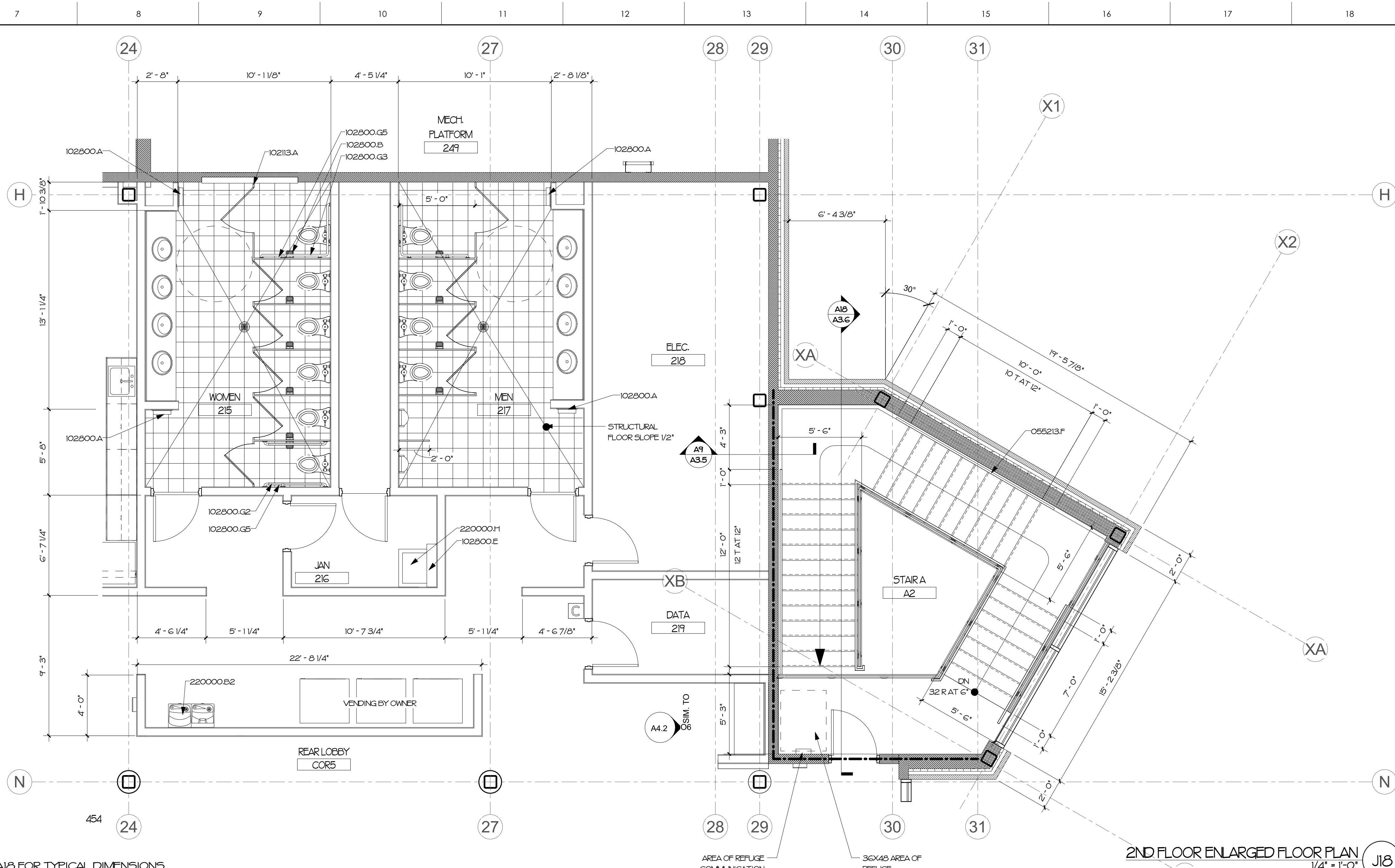
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DRAWN: JRH
CHECKED: JKF
DATE: 2-28-2024
PROJECT NO.: 2022-18

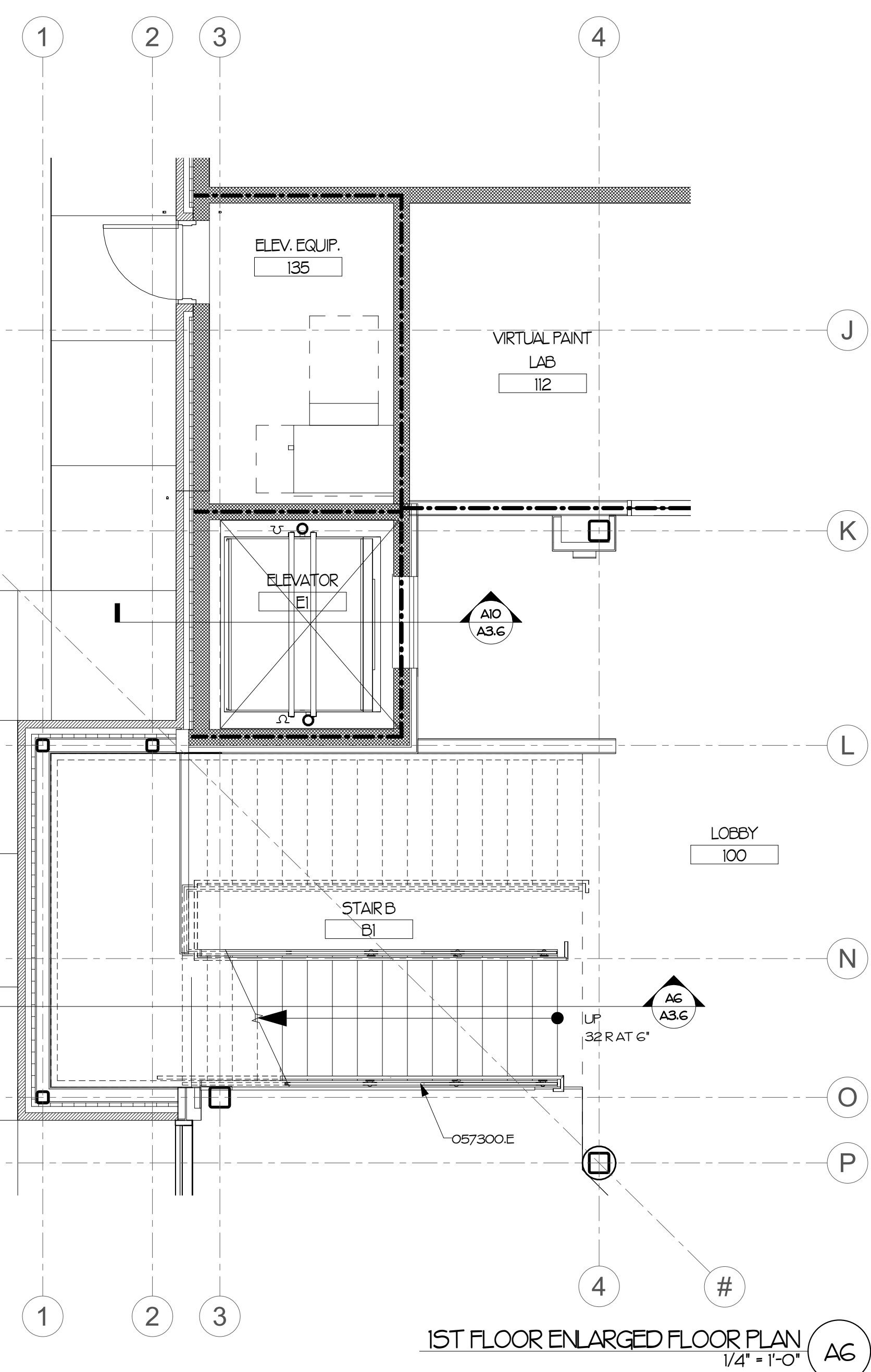
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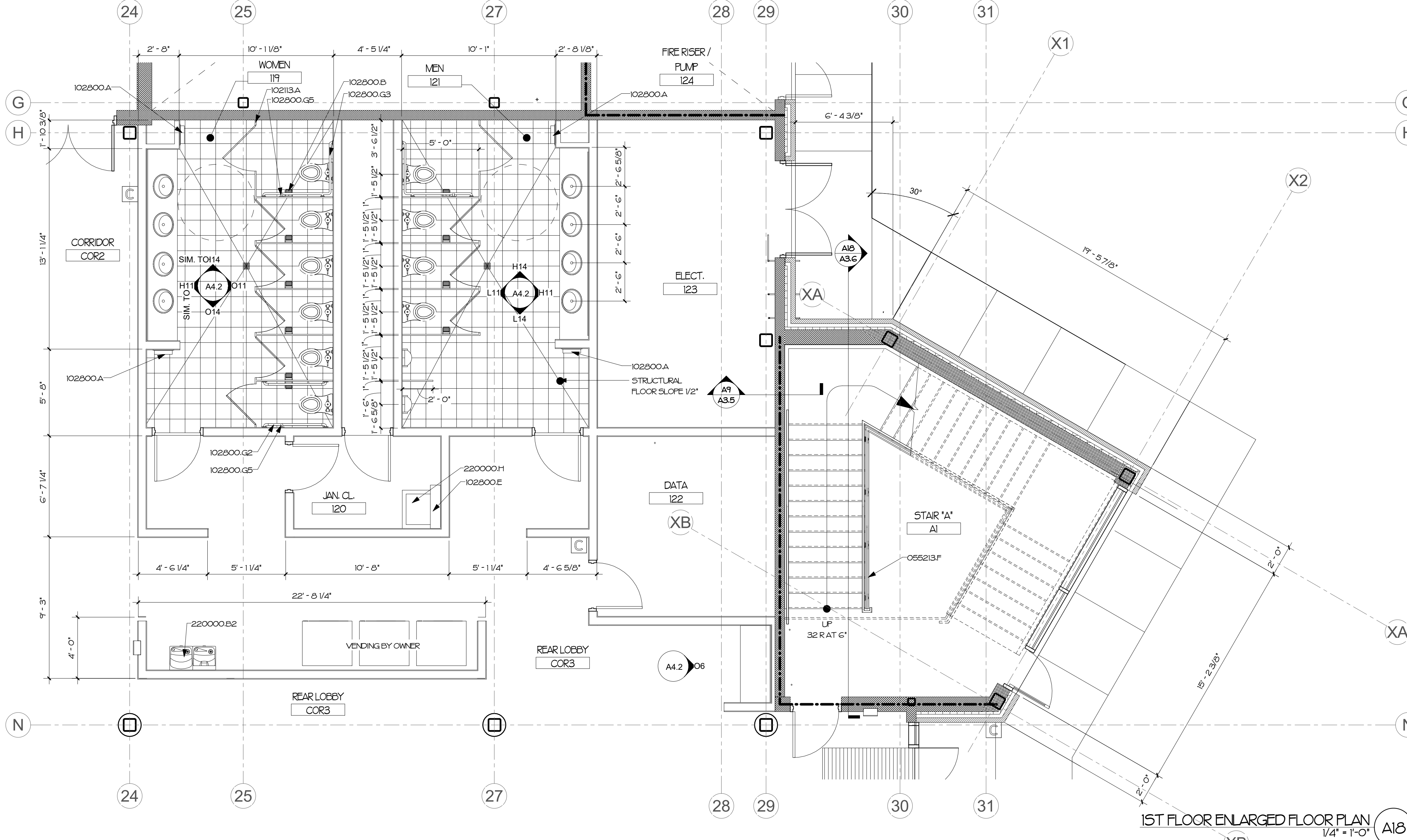
2ND FLOOR ENLARGED FLOOR PLAN
1/4" = 1'-0" (J6)



2ND FLOOR ENLARGED FLOOR PLAN
1/4" = 1'-0" (J8)



1ST FLOOR ENLARGED FLOOR PLAN
1/4" = 1'-0" (A6)



1ST FLOOR ENLARGED FLOOR PLAN
1/4" = 1'-0" (A8)

MATERIALS KEYING LEGEND

055213.F	STEEL HANDRAIL ASSEMBLY, 3/4" HIGH
057300.E	PAINTED DECORATIVE METAL/GLASS RAIL SYSTEM (EXG35)
102113.A	TOILET COMPARTMENT
102800.A	TOWEL DISPENSER/WASTE RECEPTACLE
102800.B	TOILET TISSUE DISPENSER
102800.E	MOP AND BROOM HOLDER UTILITY SHELF AT 54" TO SHELF
102800.G2	42" GRAB BAR
102800.G3	42"x54" GRAB BAR
102800.G5	18" VERT. GRAB BAR
220000.B2	ELECTRIC WATER COOLER W/ BOTTLE FILL
220000.H1	FLOOR/MOP SINK

--- 1 HOUR RATED FIRE BARRIER

GENERAL NOTES

SCO ID # 22-25364-02A

NO	REVISION	DATE

KEY PLAN



SCHEMATIC



SCO ID # 22-25364-02A

NO REVISION DATE

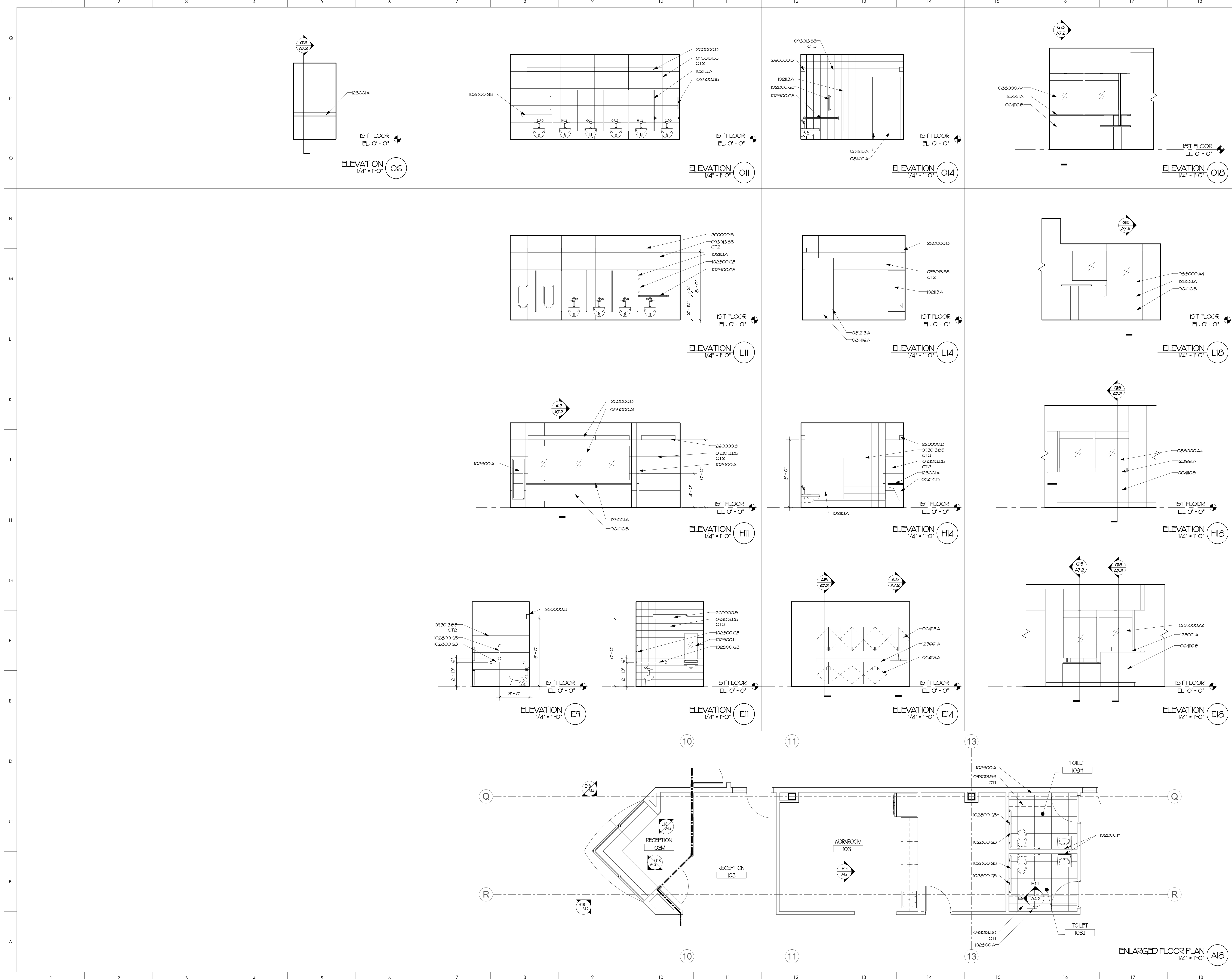
JOHN K. FARFAL ARCHITECTURE
 4/17/2024
 5822
J K F
 ARCHITECTURE

225 LYNDALE CT, SUITE F, GREENVILLE, NC 27808 252-355-1048
 LENOIR COMMUNITY COLLEGE
 NEW AVIATION CENTER FOR EXCELLENCE
 KINSTON, NC

ENLARGED FLOOR PLANS

SCALE	1/4" = 1'-0"
DRAWN	BTP
CHECKED	JKF
DATE	2-28-2024
PROJECT NO.	2022-13

A4.1



MATERIALS KEYING LEGEND

06413A	WOOD-VENEER FACED CABINETS
06416B	PLASTIC LAMINATE 3/4" THICK
091213A	HOLLOW METAL FRAME
09146A	SOLID CORE WOOD DOOR FLUSH
098000A1	GLAZING 1/4" CLEAR FLOAT GLASS
098000A4	GLAZING 1/4" CLEAR TEMPERED FLOAT GLASS
0913013.B5	CERAMIC TILE, 24X48
0913013.B6	CERAMIC TILE, 12X24
102113.A	TOILET COMPARTMENT
102900.A	TOWEL DISPENSER/WASTE RECEPTACLE
102900.G3	42X54 GRAB BAR
102900.G5	15" VERT. GRAB BAR
102900.H	MIRROR UNIT, 12X30 (MOUNT 40" MAX TO REFLECTING SURFACE)
1236G1A	SIMULATED STONE COUNTERTOP
260000.B	INTERIOR LIGHT FIXTURE


--- 1 HOUR RATED FIRE BARRIER

GENERAL NOTES

KEY PLAN

SCO ID # 22-25364-02A

NO	REVISION	DATE



JKF

ARCHITECTURE

225 LYNDALE CT, SUITE F, GREENVILLE, NC 27838 252-355-1048

LENOIR COMMUNITY COLLEGE
NEW AVIATION CENTER FOR EXCELLENCE
KINSTON, NC

DRAWING TITLE
ENLARGED FLOOR PLAN AND INTERIOR ELEVATIONS

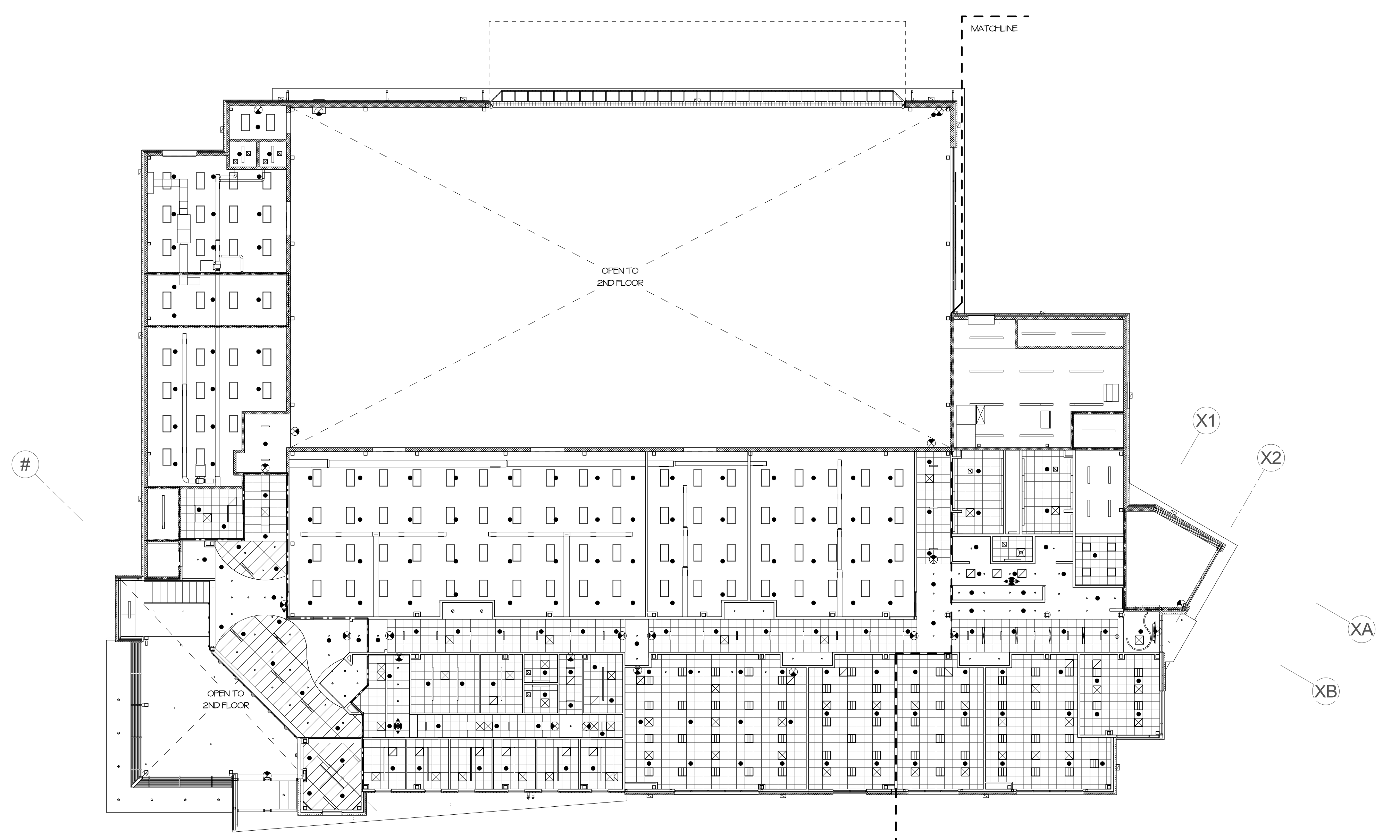
SCALE	1/4" = 1'-0"
DRAWN	BTP
CHECKED	JKF
DATE	2-28-2024
PROJECT NO.	2022-13

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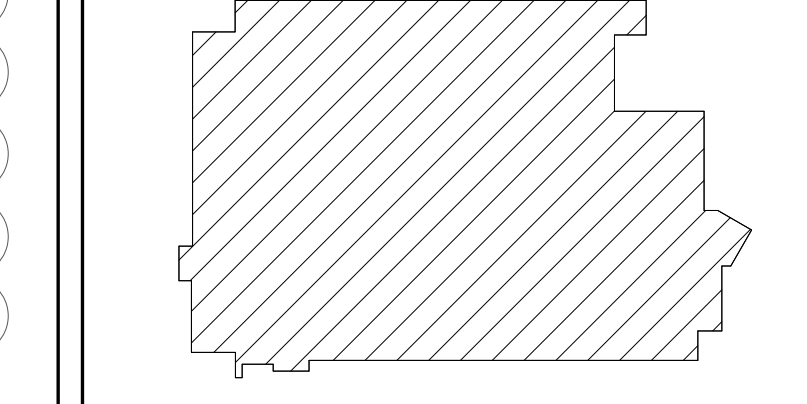
MATERIALS KEYING LEGEND

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GENERAL NOTES

1 HOUR FIRE BARRIER

KEY PLAN



SCO ID # 22-25364-02A

NO	REVISION	DATE

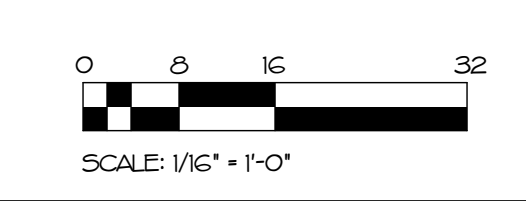
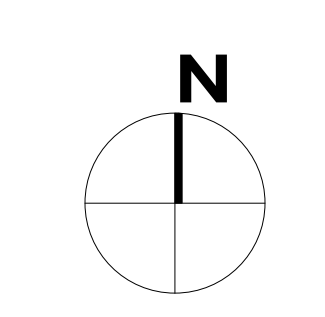


225 LYNDALE CT, SUITE F, GREENVILLE, NC 27838 252-355-1068

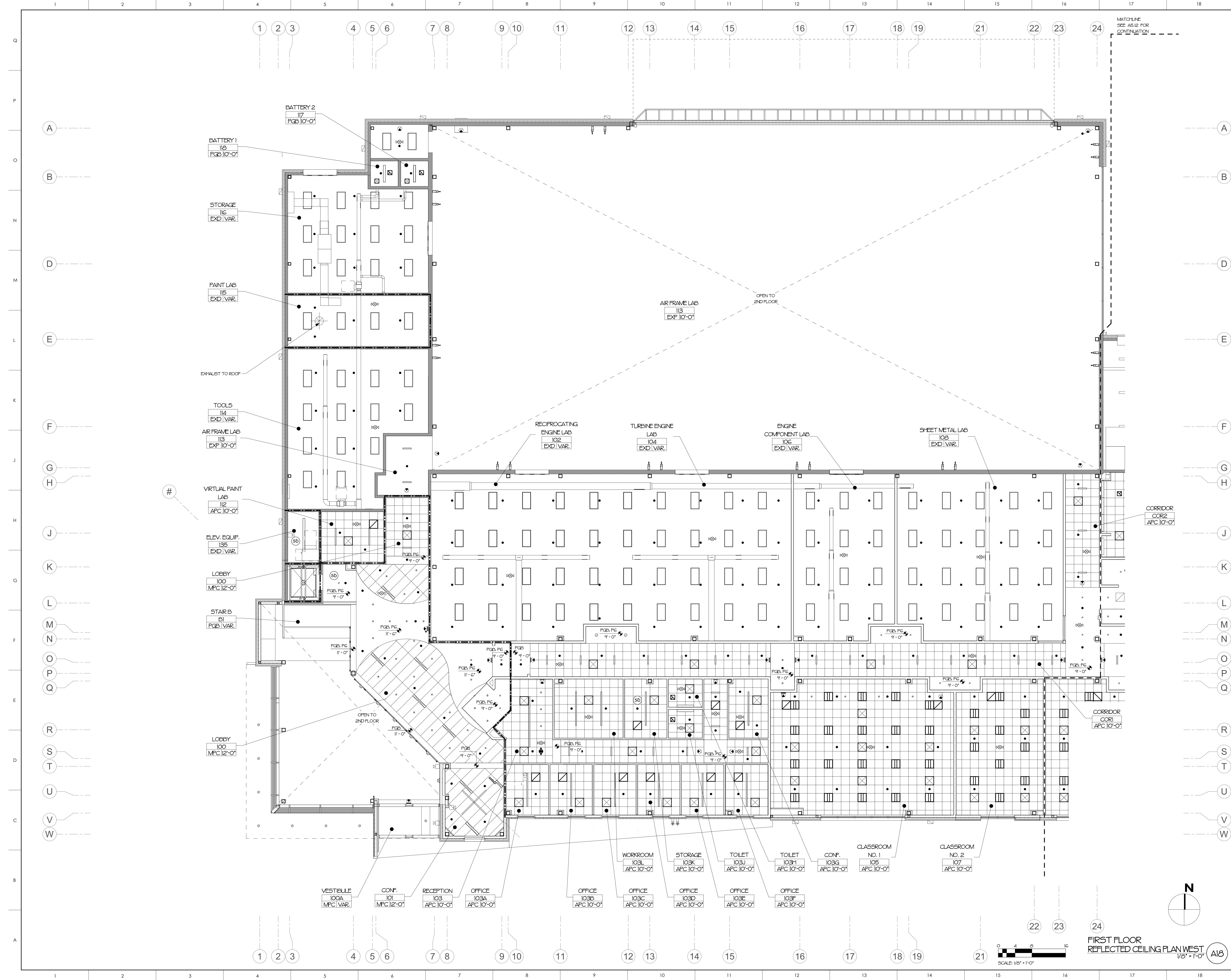
LENOIR COMMUNITY COLLEGE
NEW AVIATION CENTER FOR EXCELLENCE
KINSTON, NC

OVERALL FIRST FLOOR
REFLECTED CEILING PLAN

SCALE	1/16" = 1'-0"	A5.1
DRAWN	MCZ	
CHECKED	JKF	
DATE	2-28-2024	
PROJECT NO.	2022-13	



OVERALL FIRST FLOOR
REFLECTED CEILING PLAN
1/16" = 1'-0" A18



MATERIALS KEYING LEGEND

1 HOUR RATED FIRE BARRIER

GENERAL NOTES

KEY PLAN

SCO ID # 22-25364-02A

NO	REVISION	DATE

J K F
 ARCHITECTURE

225 LYNDALE CT, SUITE F, GREENVILLE, NC 27608 252-355-1048

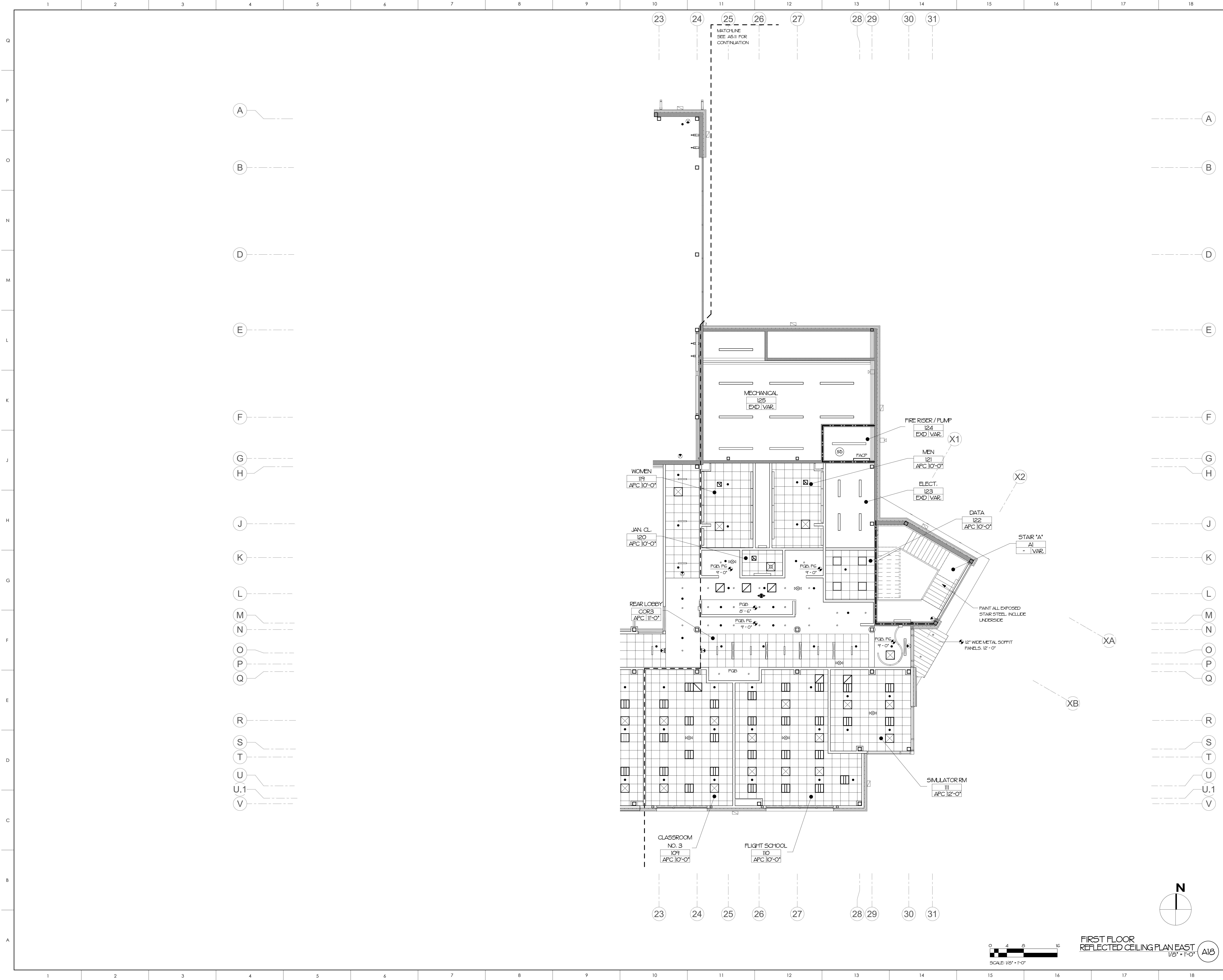
LENOIR COMMUNITY COLLEGE
NEW AVIATION CENTER FOR EXCELLENCE
 KINSTON, NC

DRAWING TITLE: **FIRST FLOOR REFLECTED CEILING PLAN WEST**

SCALE	1/8" = 1'-0"
DRAWN	BTP
CHECKED	JKF
DATE	2-28-2024
PROJECT NO.	2022-13

A5.11

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MATERIALS KEYING LEGEND

1 HOUR RATED FIRE BARRIER

GENERAL NOTES

KEY PLAN

SCO ID # 22-25364-02A

NO REVISION DATE

NO	REVISION	DATE

JOHN K. FARLAK ARCHITECTURE
 JOHN K. FARLAK ARCHITECTURE
 ARCHITECTURE

225 LYNDALE CT, SUITE F, GREENVILLE, NC 27838 252-355-1048
 LENOIR COMMUNITY COLLEGE
 NEW AVIATION CENTER FOR EXCELLENCE
 KINSTON, NC

DRAWING TITLE
 FIRST FLOOR
 REFLECTED CEILING PLAN EAST

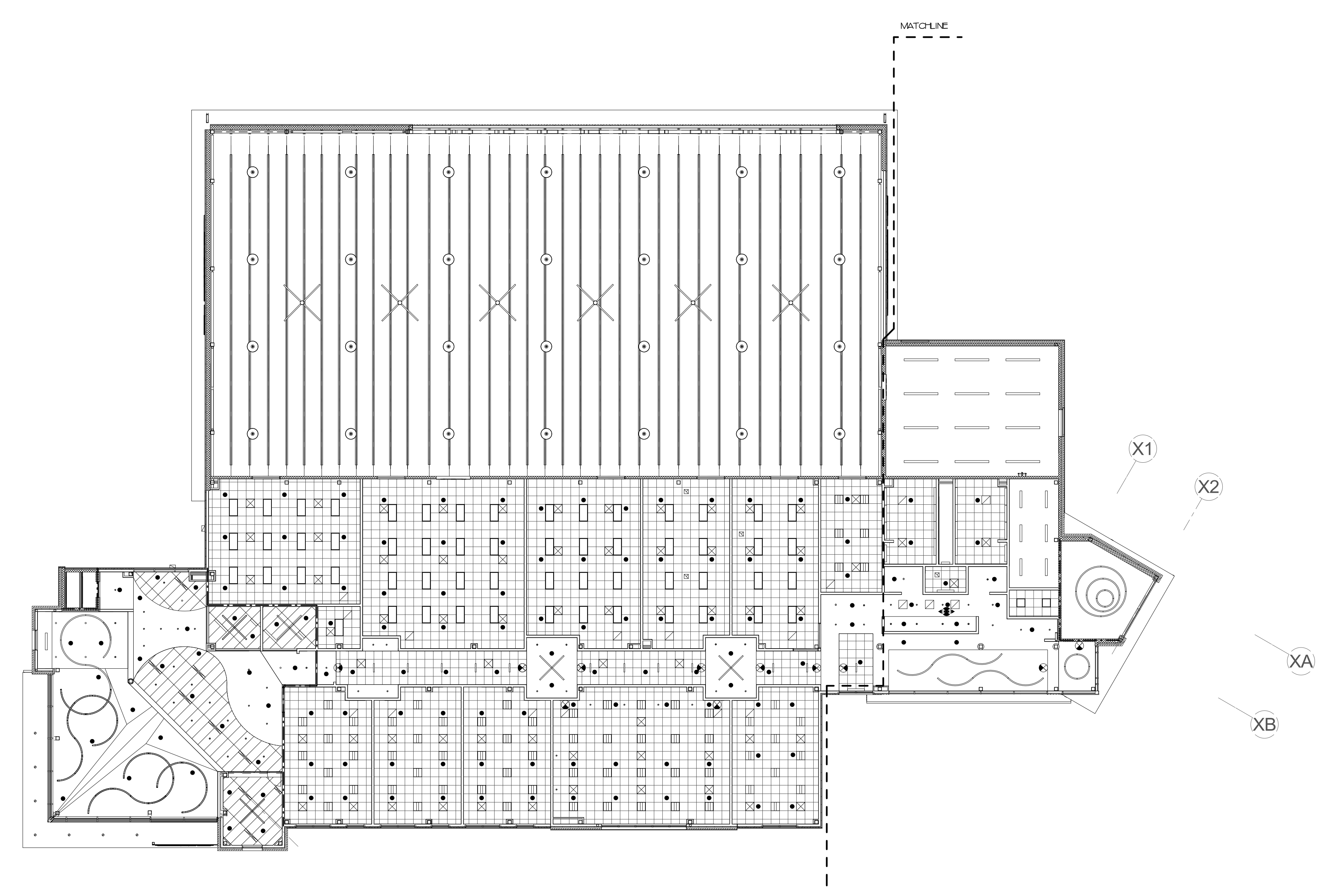
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CHECKED	JKF
DATE	2-28-2024
PROJECT NO.	2022-13

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MATERIALS KEYING LEGEND

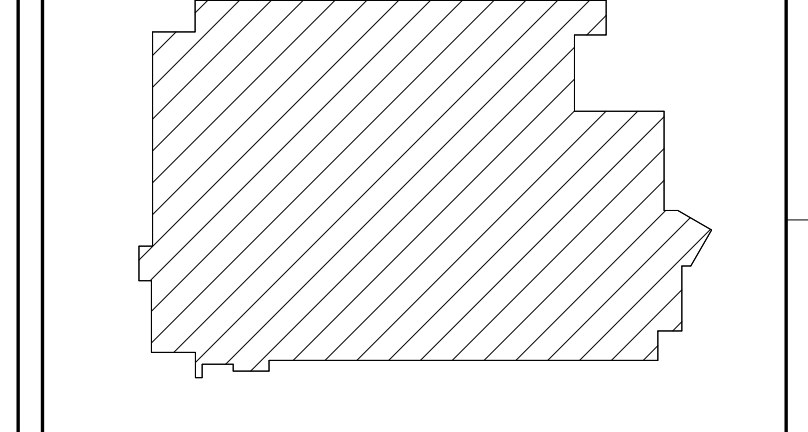
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1 HOUR FIRE BARRIER

GENERAL NOTES

Empty space for general notes.

KEY PLAN



SCO ID # 22-25364-02A

NO	REVISION	DATE

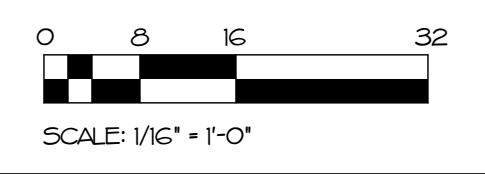
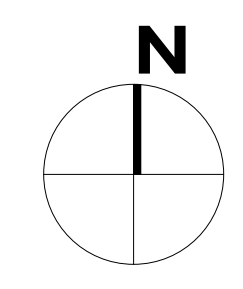
J K F
ARCHITECTURE

225 LYNDALE CT, SUITE F, GREENVILLE, NC 27838 252-355-1068

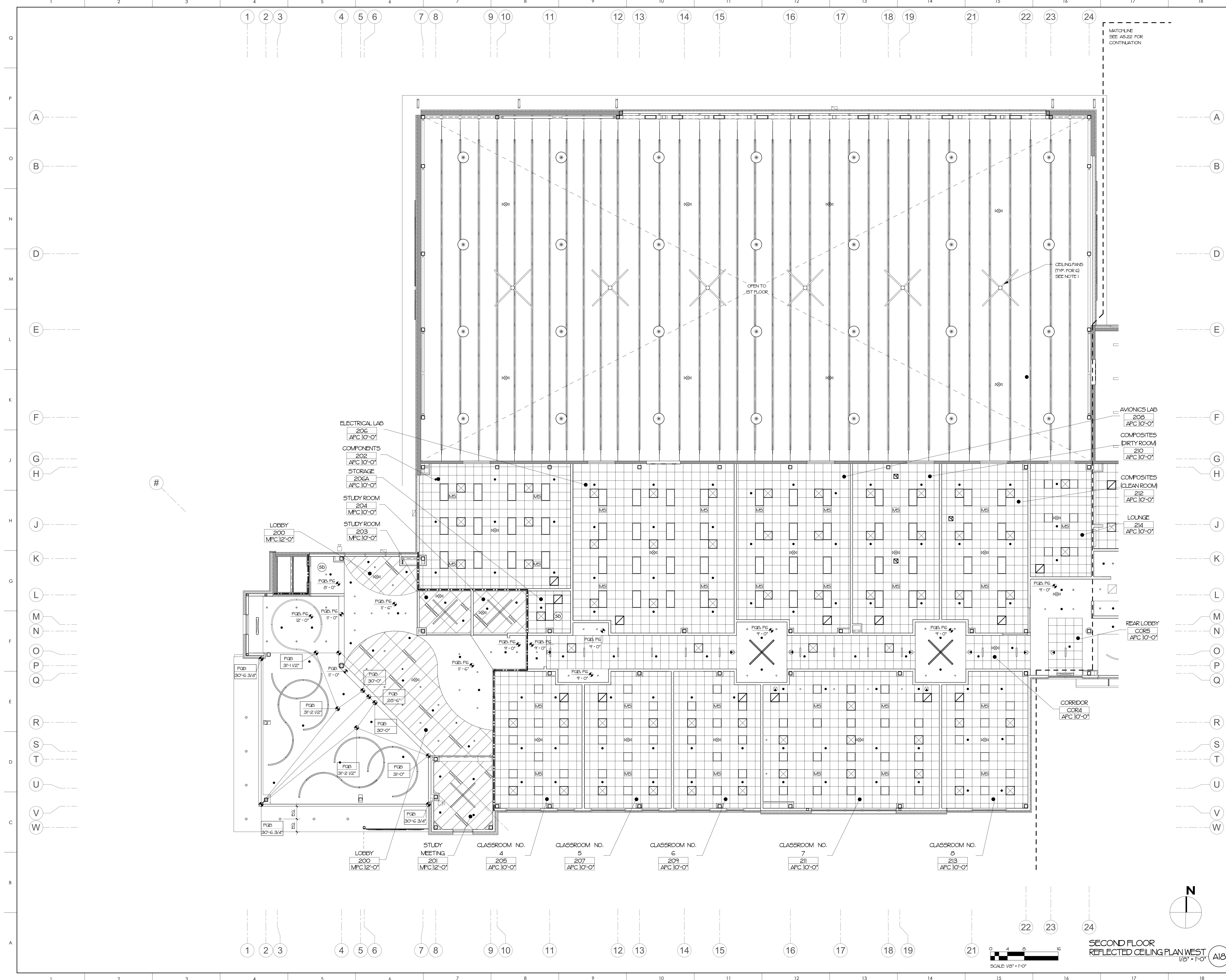
LENOIR COMMUNITY COLLEGE
NEW AVIATION CENTER FOR EXCELLENCE
KINSTON, NC

OVERALL SECOND FLOOR
REFLECTED CEILING PLAN

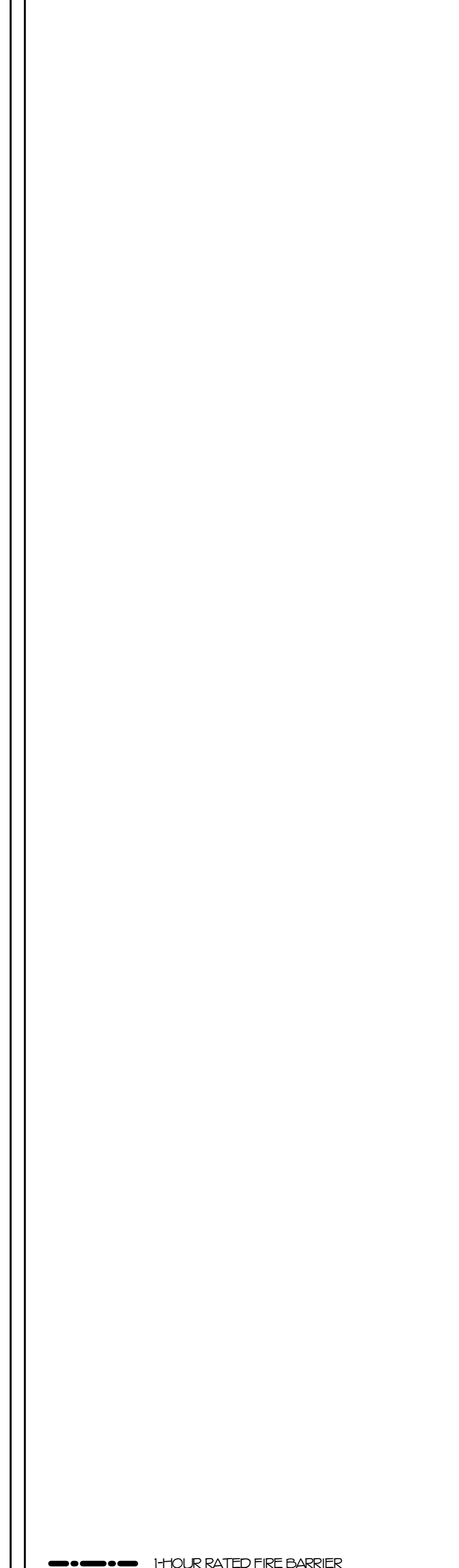
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DRAWN	MCZ
CHECKED	JKF
DATE	2-28-2024
PROJECT NO.	2022-13



OVERALL SECOND FLOOR
REFLECTED CEILING PLAN
1/16" = 1'-0" A18



MATERIALS KEYING LEGEND

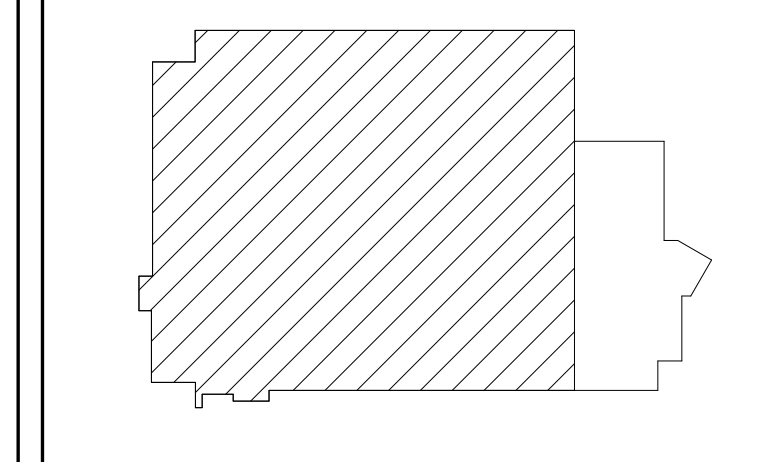


GENERAL NOTES

1. CEILING FANS TO BE MODEL F-552-1201534545 BY BIG ASS FAN, INC., OR EQUAL BY HUNTER FANS AND FLUOROUS FANS



KEY PLAN



SCO ID # 22-25364-02A

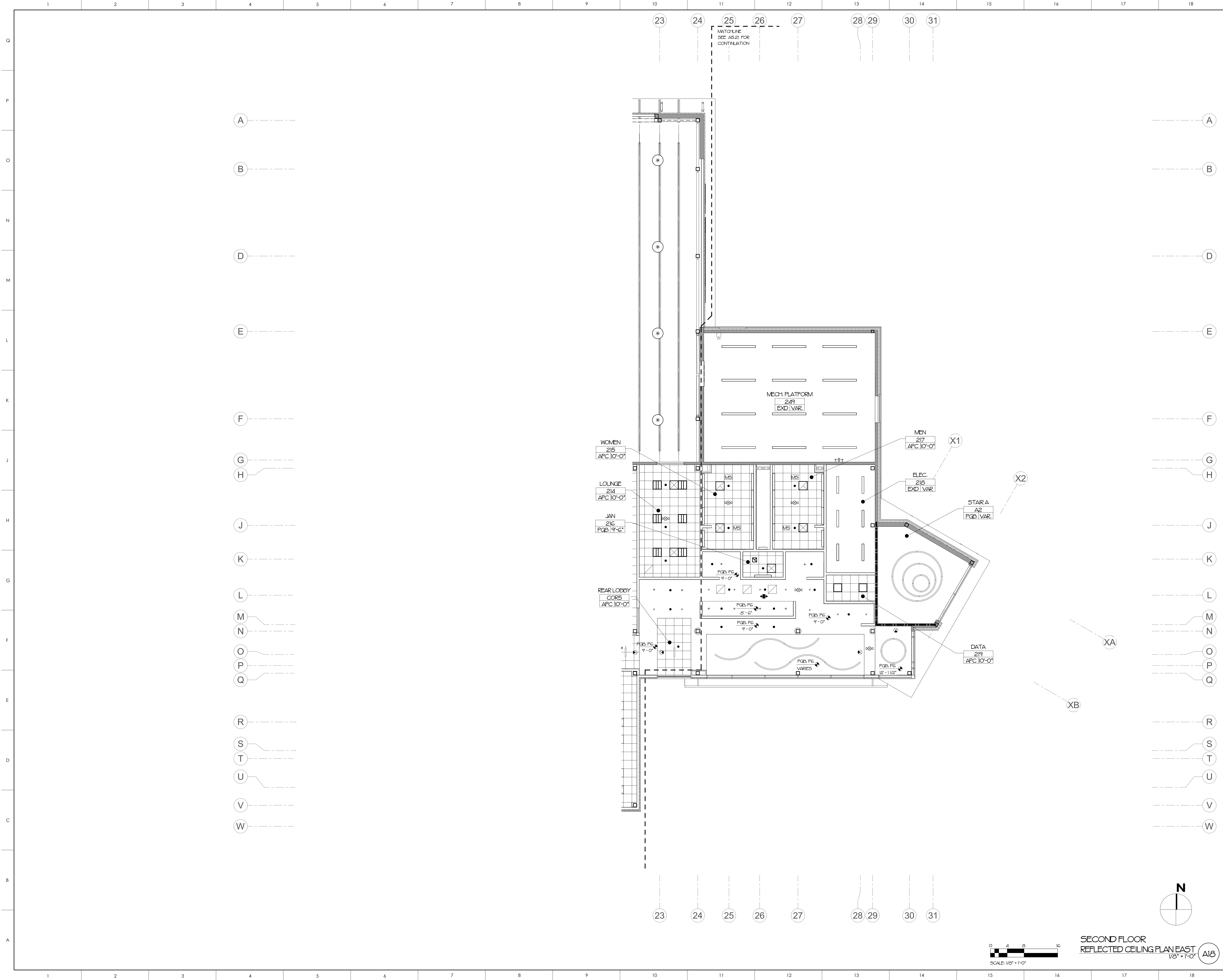
NO	REVISION	DATE

JOHN K. FARBER ARCHITECTURE
 225 LYNDALE CT, SUITE F, GREENVILLE, NC 27838 252-355-1048

LENOIR COMMUNITY COLLEGE
 NEW AVIATION CENTER FOR EXCELLENCE
 KINSTON, NC

DRAWING TITLE
 SECOND FLOOR REFLECTED CEILING PLAN WEST

SCALE	1/8" = 1'-0"
DRAWN	BTP
CHECKED	JKF
DATE	2-28-2024
PROJECT NO.	2022-13



MATCHLINE
SEE A5.21 FOR
CONTINUATION

WOMEN
215
APC 10'-0"

LOUNGE
214
APC 10'-0"

JAN
216
PGB 9'-6"

REAR LOBBY
CORES
APC 10'-0"

MECH. PLATFORM
249
EXD. VAR.

MEN
217
APC 10'-0"

ELEC.
218
EXD. VAR.

STAIRA
A2
PGB VAR.

DATA
219
APC 10'-0"

PGB, PG
9'-0"

PGB, PG
8'-6"

PGB, PG
9'-0"

PGB, PG
VARIES

PGB, PG
12'-1 1/2"

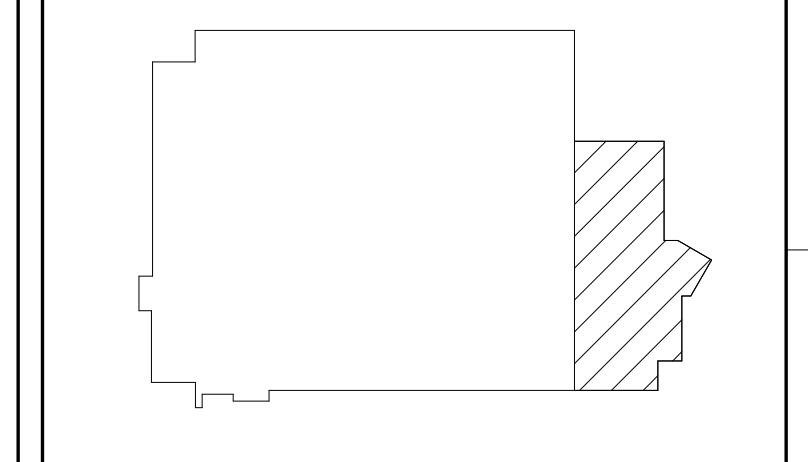
PGB, PG
9'-0"

MATERIALS KEYING LEGEND

1 HOUR RATED FIRE BARRIER

GENERAL NOTES

KEY PLAN



SCO ID # 22-25364-02A

NO	REVISION	DATE

JOHN K. FARRELL
REGISTERED ARCHITECT
5/19/2024
5522
JKF ARCHITECTURE

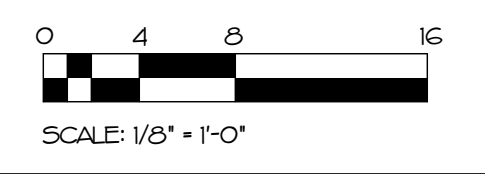
225 LYNDALE CT, SUITE F, GREENVILLE, NC 27838 252-355-1068

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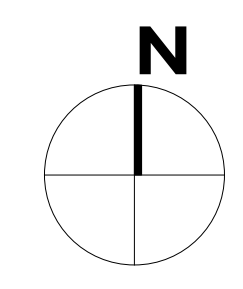
DRAWING TITLE
SECOND FLOOR
REFLECTED CEILING PLAN EAST

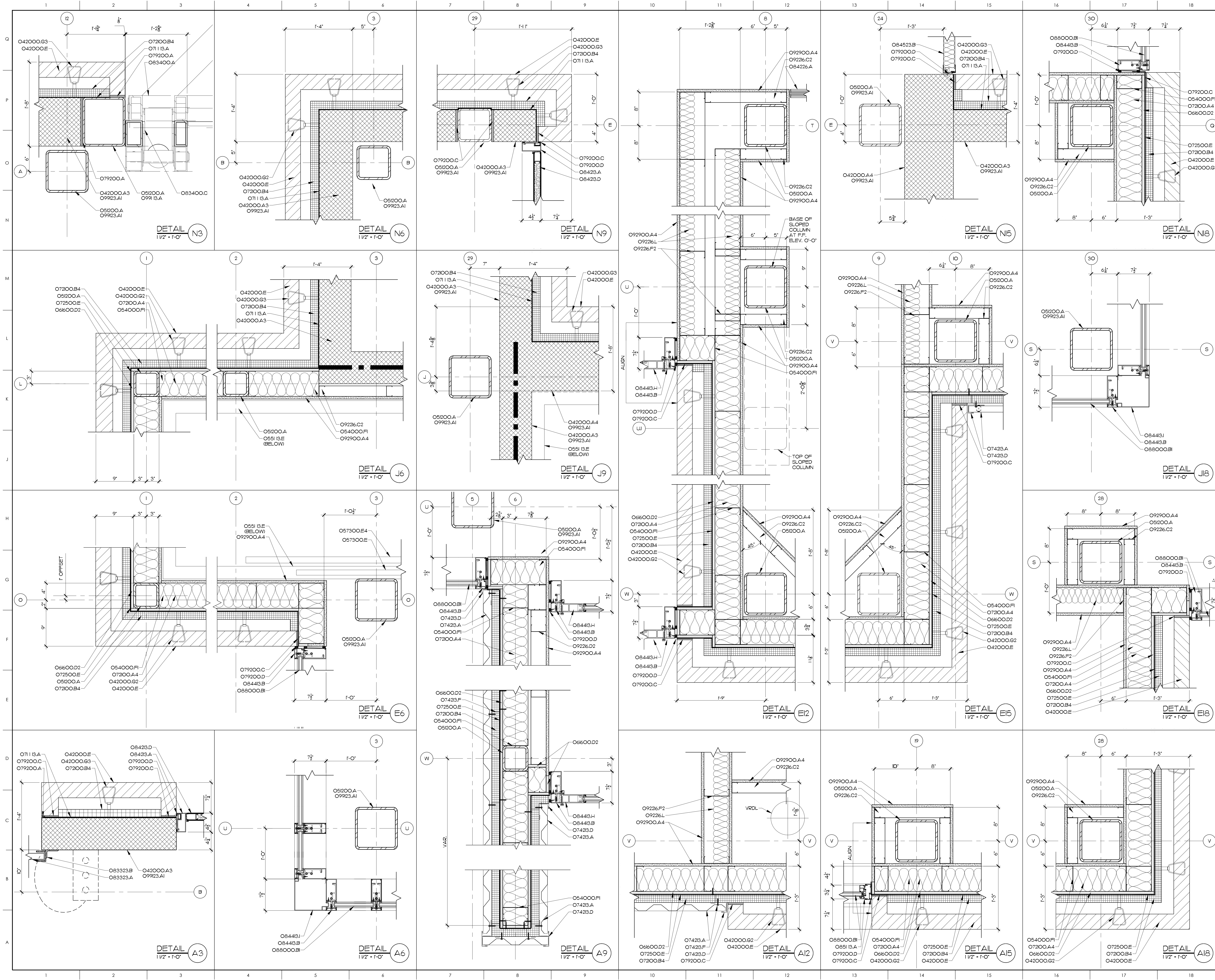
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DRAWN	BTP
CHECKED	JKF
DATE	2-28-2024
PROJECT NO.	2022-13

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SECOND FLOOR
REFLECTED CEILING PLAN EAST
1/8" = 1'-0" A18





MATERIALS KEYING LEGEND

- O42000.A3 - CONCRETE MASONRY UNIT, 8"
- O42000.A4 - CONCRETE MASONRY UNIT, 12"
- O42000.E - FACE BRICK
- O42000.G2 - ADJ. BRICK TIES AT 16" OC VERT., 24" OC HORIZ.
- O42000.G3 - HORIZONTAL JOINT REIN. AT 16" VERT. & BRICK TIES EYES AT 24" OC HORIZ.
- O5200.A - STRUCTURAL STEEL, SEE STRUCTURAL DRAWINGS
- O54000.FI - COLD FORMED METAL FRAMING, 6" STUD AT 16" OC
- O551.B.E - STEEL STAMERS
- O57300.E - DECORATIVE METAL/GLASS RAIL SYSTEM (DMGRS)
- O57300.E.4 - DMGRS, 1 1/2" DIA. HANDRAIL
- O6600.D.2 - GLASS-MAT GYPSUM SHEATHING, 5/8" THICK
- O711.B.A - BITUMINOUS DAMPROOFING
- O7200.A.4 - RIP BATT INSULATION
- O7200.B.4 - 2" RIGID INSULATION
- O72500.E - BUILDING WRAP
- O7423.A - METAL WALL PANEL
- O7423.D - METAL CLOSURE TRIM
- O7423.F - 2" METAL Z-FLOORING CHANNEL, 16" OC
- O79200.A - SEALANT
- O79200.C - COMPRESSIBLE SEALER W/ADHESIVE
- O79200.D - BACKER ROD & SEALANT
- O83323.A - OVERHEAD COILING DOOR
- O83323.B - OVERHEAD COILING DOOR, METAL TRACK
- O83400.A - HYDRAULIC DOOR
- O83400.C - HYDRAULIC DOOR, FRAME POST BROKEN
- O8423.A - STOREFRONT FRAMING, THERMALLY BROKEN
- O8423.D - ALUMINUM FRP DOOR
- O8426.A - ALL GLASS WALL SYSTEM
- O8443.B - ALUMINUM CURTAIN WALL FRAMING
- O8443.H - ALUMINUM STILE AND RAIL DOOR
- O8443.I - ALUMINUM CURTAIN WALL FRAMING, CORNER MULLION
- O84523.B - FIBERGLASS SANDWICH PANEL ASSEMBLY, 2 3/4" THICK
- O851.B.A - ALUMINUM WINDOW ASSEMBLY
- O88000.B.I - 1" INSULATING GLASS-LOW E
- O9226.C.2 - 2 1/2" METAL STUDS AT 16" OC
- O9226.D.2 - 3 5/8" METAL STUDS AT 16" OC
- O9226.F.2 - 6" METAL STUDS AT 16" OC
- O9226.L - ACOUSTICAL BLANKET, THICKNESS AS NOTED IN PARTITION TYPES
- O92900.A.4 - 5/8" GYPSUM WALLBOARD
- O9913.A.I - PAINT FINISH, EXTERIOR SYSTEM
- O9923.A.I - PAINT FINISH, INTERIOR SYSTEM

GENERAL NOTES

SCO ID #22-25364-02A

KEY PLAN

NO REVISION DATE

JKF
ARCHITECTURE

623 LYNDALE CT., SUITE F, GREENVILLE, NC 27638 252-355-1048

LENOIR COMMUNITY COLLEGE
NEW AVIATION CENTER
FOR EXCELLENCE
KINSTON, NC

DRAWING TITLE: EXTERIOR PLAN DETAILS

SCALE: 1/2" = 1'-0"

DRAWN: MCZ, BTP

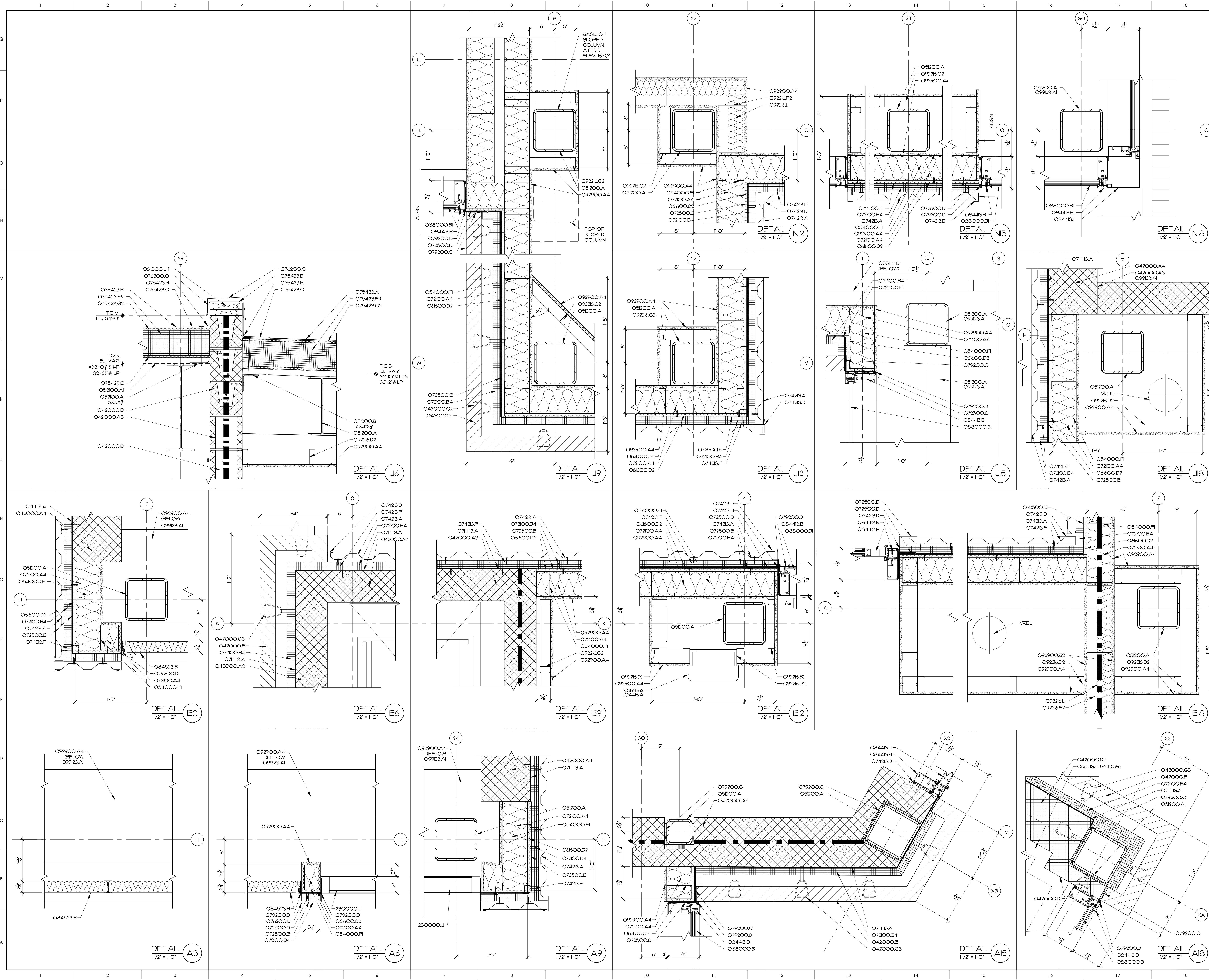
CHECKED: JKF

DATE: 2-28-2024

PROJECT NO: 2022-18

A6.1

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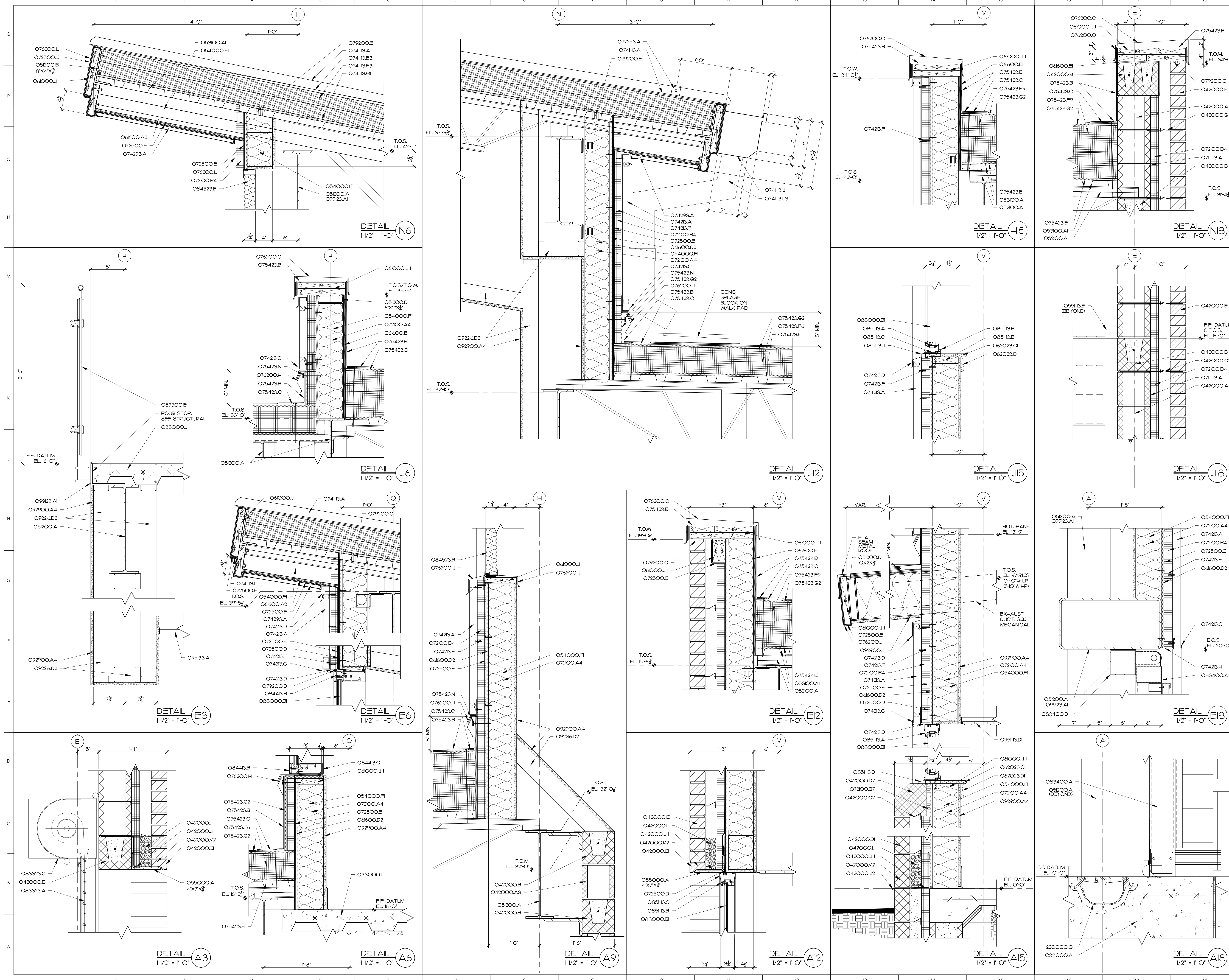
MATERIALS KEYING LEGEND

- 042000.A3 - CONCRETE MASONRY UNIT, 6"
- 042000.A4 - CONCRETE MASONRY UNIT, 12"
- 042000.B - CONCRETE MASONRY, BOND BEAM
- 042000.D1 - CONCRETE MASONRY UNIT, DECORATIVE 4"
- 042000.D3 - CONCRETE MASONRY UNIT, DECORATIVE 8"
- 042000.D5 - CONCRETE MASONRY UNIT, DECORATIVE 12"
- 042000.E - FACE BRICK
- 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.
- 051200.A - STRUCTURAL STEEL, SEE STRUCTURAL DRAWINGS
- 05200.A - STEEL BAR JOIST, SEE STRUCTURAL DRAWINGS
- 053000.AI - ROOF DECK, 1/2"
- 054000.FI - COLD FORMED METAL FRAMING, 6" STUD AT 16" O.C.
- 0551.B.E - STEEL STRINGERS
- 06000.J - WOOD BLOCKING, AS NOTED
- 06600.D2 - GLASS-MAT GYPSUM SHEATHING, 5/8" THICK
- 0711.B.A - BITUMINOUS DAMPROOFING
- 07200.A.4 - R-R BATT INSULATION
- 07200.B.4 - 2" RIGID INSULATION
- 072500.D - SELF-ADHERING SHEET
- 072500.E - BUILDING WRAP
- 07423.A - METAL WALL PANEL
- 07423.D - METAL CLOSURE TRIM
- 07423.F - 2" METAL Z-FLURRING CHANNEL, 16" O.C.
- 07423.H - METAL FLASHING
- 074243.A - COMPOSITE WALL PANEL, FLUSH PANEL, W/REVEAL
- 075423.A - TPO ROOFING SYSTEM
- 075423.B - TPO MEMBRANE, FULLY ADHERED
- 075423.C - REINF. STRIP, 6" WIDE (RUSS)
- 075423.E - SUBSTRATE BOARD, 1/2" GLASS-MAT SHEATHING
- 075423.F9 - TAPERED INSULATION, 1/4" FINISHED SLOPE
- 075423.G2 - COVER BOARD, 1/2" THICK, GLASS-MAT
- 076200.C - METAL COPING
- 076200.O - CONTINUOUS CLEAT
- 079200.C - COMPRESSIBLE SEALER W/ADHESIVE
- 079200.D - BACKER ROD & SEALANT
- 08423.AI - STOREFRONT FRAMING
- 08443.B - ALUMINUM CURTAIN WALL FRAMING
- 08443.H - ALUMINUM STILE AND RAIL DOOR
- 08443.I - ALUMINUM CURTAIN WALL FRAMING, CORNER MULLION
- 084523.B - FIBERGLASS SANDWICH PANEL ASSEMBLY, 3-3/4" THICK
- 088000.B1 - INSULATING GLASS-LOW E
- 09226.B2 - 1-5/8" METAL STUD AT 16" O.C.
- 09226.C2 - 2 1/2" METAL STUD AT 16" O.C.
- 09226.D2 - 3 5/8" METAL STUDS AT 16" O.C.
- 09226.F2 - 6" METAL STUDS AT 16" O.C.
- 09226.L - ACOUSTICAL BLANKET, THICKNESS AS NOTED IN PARTITION TYPES
- 092900.A.4 - 5/8" GYPSUM WALLBOARD
- 092900.B2 - TYPE "X" GYPSUM BOARD, 5/8" THICK
- 09923.AI - PAINT FINISH, INTERIOR SYSTEM
- 10443.A - SEMI-RECESSED FIRE EXTINGUISHER CABINET
- 10446.A - FIRE EXTINGUISHER

KEY PLAN

SCO ID #22-25364-02A

NO	REVISION	DATE
LENOIR COMMUNITY COLLEGE NEW AVIATION CENTER FOR EXCELLENCE KINSTON, NC		
DRAWING TITLE		
EXTERIOR DETAILS		
SCALE	1/2" = 1'-0"	DRAWING NO.
DRAWN	MCZ	
CHECKED	JKF	
DATE	2-28-2024	
PROJECT NO.	2022-18	



MATERIALS KEYING LEGEND

- 033000A - CONCRETE SLAB ON GRADE, SEE STRUCTURAL
- 033000L - CONCRETE SLAB ON STEEL DECK, SEE STRUCTURAL
- 042000A3 - CONCRETE MASONRY UNIT, 8"
- 042000B - CONCRETE MASONRY UNIT, BOND BEAM
- 042000DI - CONCRETE MASONRY UNIT, DECORATIVE
- 042000D7 - CONCRETE MASONRY UNIT, DECORATIVE, SPECIAL SHAPE
- 042000E - FACE BRICK, S-SHELF BRICK
- 042000G2 - ADJ. BRICK TIES AT 16" OC VERT., 24" OC HORIZ.
- 042000G3 - HORIZONTAL JOINT REINF. AT 16" VERT. & BRICK TIE EYES AT 24" OC HORIZ.
- 042000J1 - THRU-WALL FABRIC FLASHING
- 042000L2 - METAL DRAIN FLASHING
- 042000L - CAVITY DRAINAGE MATERIAL
- 052000A - STRUCTURAL STEEL, SEE STRUCTURAL DRAWINGS
- 052000B - STEEL ANGLE, SIZE AS INDICATED
- 052000D - TUBE STEEL, SIZE AS INDICATED
- 052000A - STEEL BAR JOIST, SEE STRUCTURAL DRAWINGS
- 053000AI - ROOF DECK, 1/2"
- 054000FI - COLD FORMED METAL FRAMING, 6" STUD AT 16" OC.
- 055000A - STEEL ANGLE - SIZE AS INDICATED
- 055000FI - STEEL STRINGERS
- 057300E - DECORATIVE METAL/GLASS RAIL SYSTEM (DMGRS)
- 060000J1 - WOOD BLOCKING AS NOTED
- 060000A2 - FL WOOD SHEATHING, 1/2" THICK
- 060000D2 - GLASS-MAT GYPSUM SHEATHING, 5/8" THICK
- 060000E - FL WOOD ROOF SHEATHING, 1/2" THICK
- 062023CI - INTERIOR WOOD TRIM, WINDOW SILL, TRANSPARENT FINISH
- 062023DI - INTERIOR WOOD TRIM, APRON, TRANSPARENT FINISH
- 071113A - BITUMINOUS DAMPROOFING
- 072000A4 - R-19 BATT INSULATION
- 072000B4 - 2" RIGID INSULATION
- 072000B7 - 3/4" RIGID INSULATION
- 072500D - SELF-ADHERING SHEET
- 072500E - BUILDING WRAP
- 074113A - METAL ROOF, STANDING SEAM SYSTEM
- 074113E3 - SLIP SHEET
- 074113F3 - RIGID INSULATION, 6" THICK
- 074113H1 - GLASS-MAT GYP. SHEATHING, 1/2" THICK
- 074113H - METAL FASCIA
- 074113J - METAL GUTTER
- 074113L3 - METAL DOWNSPOUT, 5X5
- 07423A - METAL WALL PANEL
- 07423C - METAL SILL FLASHING
- 07423D - METAL CLOSURE TRIM
- 07423F - 2" METAL Z-FLOORING CHANNEL, 16" OC.
- 07423H - METAL FLASHING
- 07423I - METAL SOFFIT PANELS
- 07423J - TPO MEMBRANE, FULLY ADHERED
- 07423K - REIN. STRIP, 6" WIDE (RUSS)
- 075423E - SUBSTRATE BOARD
- 075423F6 - 1/2" GLASS-MAT SHEATHING
- 075423F9 - RIGID INSULATION, 6" THICK
- 075423G2 - TAPERED INSULATION, 1/4" FINISH SLOPE
- 075423G2 - COVER BOARD, 1/2" THICK, GLASS-MAT
- 075423N - METAL TERMINATION BAR, FASTEN 1/2" OC.
- 076200C - METAL COPING
- 076200H - 2-PIECE METAL COUNTERFLASH
- 076200J - METAL SILL PAN
- 076200L - METAL FASCIA
- 076200O - CONTINUOUS CLEAT
- 07723A - SNOW GUARD
- 079200C - COMPRESSIBLE SEALER W/ADHESIVE
- 079200D - BACKER ROD & SEALANT
- 079200E - COMPRESSIBLE FILL
- 083323A - OVERHEAD COILING DOOR
- 083323C - OVERHEAD COILING DOOR, METAL HOUSING
- 083400A - HYDRAULIC DOOR, FRAME HEADER
- 084413B - ALUMINUM CURTAIN WALL FRAMING
- 084413C - METAL SILL PAN
- 084523B - FIBERGLASS SANDWICH PANEL ASSEMBLY, 2-3/4" THICK
- 085113A - ALUMINUM WINDOW ASSEMBLY
- 085113B - METAL SILL PAN
- 085113C - METAL SLB FRAME
- 085113J - ALUMINUM WINDOW PAN
- 085113K - 1" INSULATING GLASS-LOW E
- 09226D2 - 3 5/8" METAL STUDS AT 16" OC.
- 092900A4 - 5/8" GYPSUM WALLBOARD
- 092900F - EXTERIOR GYPSUM SOFFIT BOARD
- 095113DI - ACUSTICAL PANEL, CEILING TILE, 2X2
- 09523AI - METAL ACUSTICAL CEILING PANEL, 2X6
- 09923AI - PAINT FINISH, INTERIOR SYSTEM
- 220000Q - TRENCH DRAIN

KEY PLAN

SCO ID #22-23364-02A

NO	REVISION	DATE

JK F
 ARCHITECTURE

423 LYNDALE CT, SUITE F, GREENVILLE, NC 27638 252-355-1048

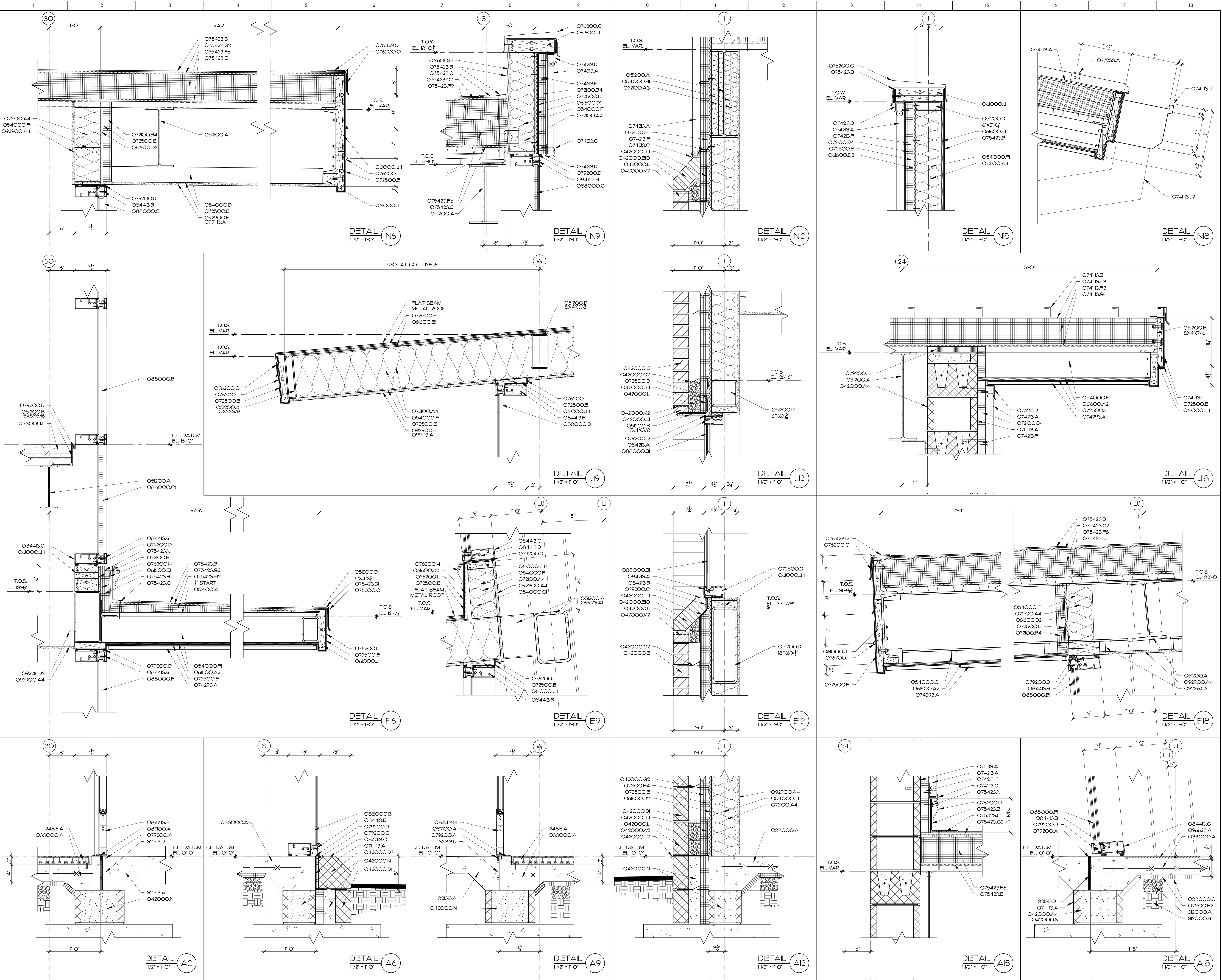
LENOIR COMMUNITY COLLEGE
NEW AVIATION CENTER
 FOR EXCELLENCE
 KINSTON, NC

EXTERIOR DETAILS

SCALE: 1/2" = 1'-0" DRAWING NO: A6.3

DRAWN: JRH
 CHECKED: JKF
 DATE: 2-28-2024
 PROJECT NO: 2022-18

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MATERIALS KEYING LEGEND	
033000.A	CONCRETE SLAB ON GRADE, SEE STRUCTURAL
033000.C	VAPOR BARRIER
033000.D	CONCRETE SLAB ON STEEL DECK, SEE STRUCTURAL
042000.A.1	CONCRETE MASONRY UNIT, 12" STRUCTURAL
042000.D.1	CONCRETE MASONRY UNIT, DECORATIVE
042000.D.7	CONCRETE MASONRY UNIT, DECORATIVE, SPECIAL S-JOIST
042000.E	FACE BRICK, SELF-BRICK
042000.E.1	FACE BRICK, SOLDIER COURSE SLL, SPECIAL
042000.G.2	ADJ. BRICK TIES AT 16" OC VERT., 24" O.C. HORIZ.
042000.J.1	THERMALLY INSULATED WALL FABRIC FLASHING
042000.K.2	WEEP SLOTS AT 16" O.C.
042000.L	MANAGEMENT MATERIAL
042000.N	GROUT SOLD
052000.A	STRUCTURAL STEEL, SEE STRUCTURAL DRAWINGS
052000.B	STEEL ANGLE, SIZE AS INDICATED
052000.C	STEEL JOIST, SIZE AS INDICATED
053000.A	ROOF DECK
054000.B	COLD FORMED METAL FRAMING, 1/2" STUD AT 16" O.C.
054000.C	COLD FORMED METAL FRAMING, 2-1/2" STUD AT 16" O.C.
054000.D.1	COLD FORMED METAL FRAMING, 3-5/8" STUD AT 16" O.C.
054000.D.2	COLD FORMED METAL FRAMING, 6" STUD AT 16" O.C.
061000.J.1	WOOD BLOCKING AS NOTED
061000.J.2	1/2" X 3" WEATHERING STUD AS NOTED
066000.D.2	GLASS-MAT GIPSUM SHEATHING, 5/8" THICK
072000.B	1/2" TREATED PLYWOOD UNDERLAYMENT
07113.A	BRICKS, DAMPROOFING
072000.A.1	COLD-FLUID APPLIED WATERPROOFING
072000.A.2	2" RIGID INSULATION
072000.B	2" RIGID INSULATION
072000.C	1" RIGID INSULATION
072000.D	2" RIGID INSULATION
072000.E	BUILDING WRAP
072000.F	METAL ROOF, STANDING SEAM SYSTEM
07413.B	METAL FLASHING
07413.C	METAL FLASHING
07413.E.3	RIGID INSULATION, 6" THICK
07413.F.3	GLASS-MAT GYP. SHEATHING, 1/2" THICK
07413.G	METAL FLASHING
07413.H	METAL GUTTER
07413.I.2	METAL DOWNSPOUT, 8X8
07423.A	METAL WALL PANEL
07423.C	METAL FLASHING
07423.D	METAL CLOSURE TRIM
07423.F	2" METAL FLASHING CHANNEL, 16" O.C.
07423.G	METAL FLASHING
07423.H	METAL FLASHING
07423.I.1	METAL FLASHING, SELF-ADHERED
07423.I.2	REIN. STRIP, 6" WIDE (R/S)
07423.J	1/2" RIGID INSULATION
07423.K	SUBSTRATE BOARD, 1/2" GLASS-MAT SHEATHING
07523.F.5	RIGID INSULATION, 6" THICK
07523.F.6	TAPERED INSULATION, 1/4" FINISHED SLOPE
07523.F.7	COVER BOARD, 1/2" THICK GLASS-MAT
07523.N	METAL TERMINATION BAR, FASTEN 12" OC
07523.O.1	METAL CORNER
07523.O.2	METAL FASCIA
07523.O.3	METAL COUNTERFLASH
07523.O.4	METAL FASCIA
07523.O.5	CONTINUOUS GLEAT
07523.O.6	SNOW GUARD
07523.O.7	SEALANT
07523.O.8	COMPRESSIBLE SEALER W/ADHESIVE
07523.O.9	BRICKS, ROOF SEALANT
07523.O.10	COMPRESSIBLE FILL
07523.O.11	STOPOFF FRAMING, THERMALLY BROKEN
08423.A	METAL SILL PAN
08423.B	ALUMINUM CURTAIN WALL FRAMING
08443.C	METAL SILL PAN
08443.D	MINIUM TILE AND BAL DOOR
08700.A	THERMAL BREAK THRESHOLD, SET IN SILL
088000.B.1	INSULATING SPANDREL GLASS, 1" THICK
088000.C.1	INSULATING SPANDREL GLASS, 1" THICK
09226.C.2	3/8" METAL STUDS AT 16" O.C.
09226.D.2	3/8" METAL STUDS AT 16" O.C.
0923000.A.4	5/8" GYPSUM WALLBOARD
0923000.B.1	EXTERIOR GYPSUM SOFFIT BOARD
0923000.C.1	TERRAZZO FLOOR
0923000.A.1	PAINT FINISH, EXTERIOR SYSTEM
0923000.B.1	PAINT FINISH, INTERIOR SYSTEM
0923000.C.1	PAINT FINISH, INTERIOR SYSTEM
0923000.D.1	POROUS FILL
0923000.E.1	COMPRESSIBLE FILL
0923000.F.1	CONCRETE SIDEWALK, 4" THICK
0923000.G.1	COMPRESSIBLE FILL

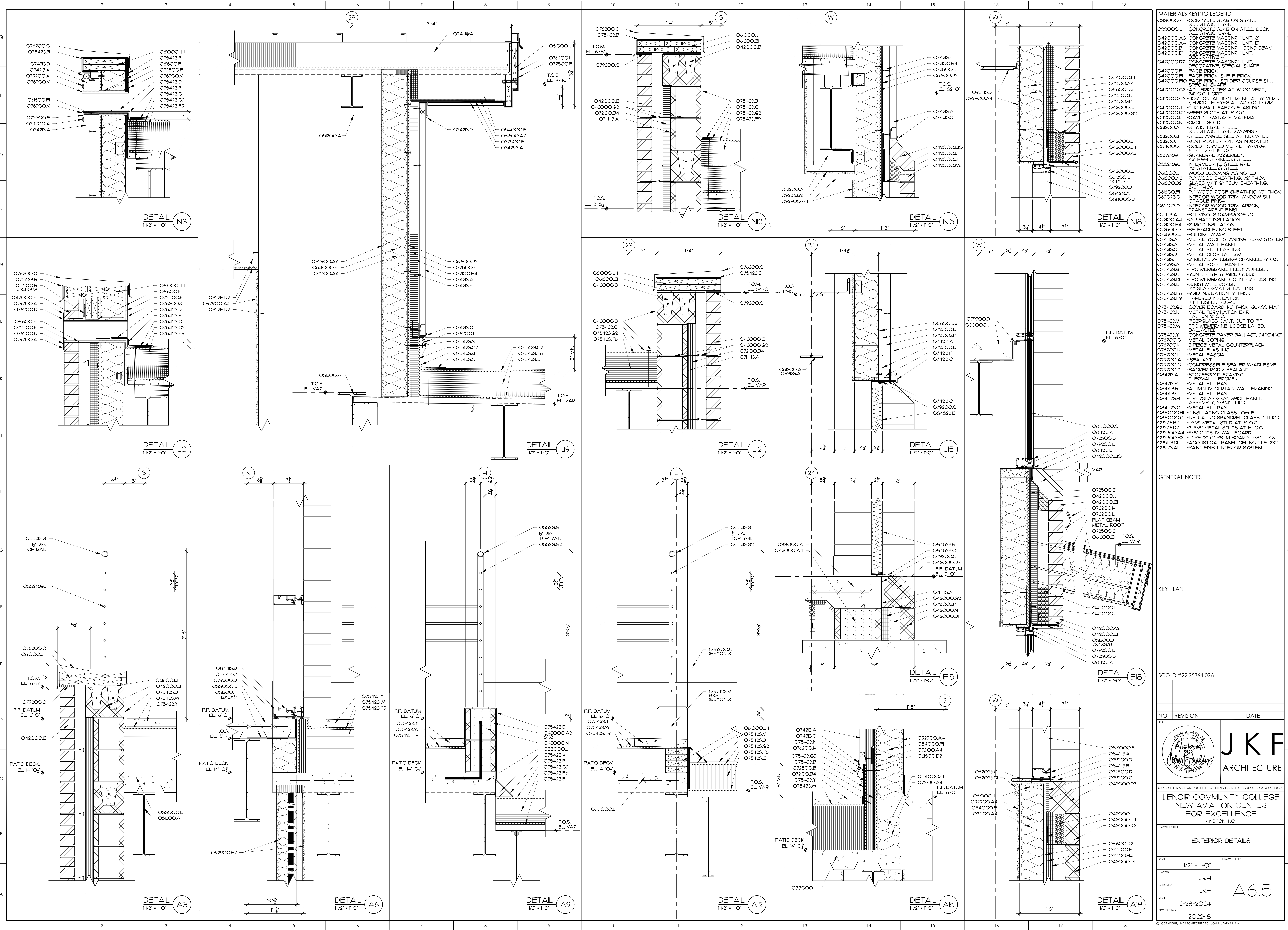
GENERAL NOTES

- 1. SEE GENERAL NOTES FOR DETAILS.
- 2. ALL MATERIALS SHALL BE AS SHOWN IN THE MATERIALS KEYING LEGEND.
- 3. ALL DIMENSIONS SHALL BE IN UNITS AS SHOWN.
- 4. FINISHES SHALL BE AS SHOWN IN THE MATERIALS KEYING LEGEND.
- 5. PROTECT ALL ADJACENT AREAS AND REPAIR DAMAGE AFTER INSTALLATION.
- 6. MAINTAIN PROPER DRAINAGE AND WATERPROOFING THROUGHOUT.
- 7. INSTALLATION SHALL BE ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
- 8. VERIFY ALL MATERIALS AND METHODS BEFORE COMMENCING WORK.
- 9. PROVIDE PROTECTIVE MEASURES AT ALL EXTERIOR WALL AND ROOF JUNCTIONS.
- 10. VERIFY AND RECORD ALL FIELD DIMENSIONS.
- 11. ALL WORK SHALL BE SUBJECT TO INSPECTION AND APPROVAL.

KEY PLAN

SCO ID #22-25364-02A

NO. 1	REVISION	DATE
423 LYNDALE CT. SUITE F, GREENVILLE, NC 27838 252-355-1948		
LENOIR COMMUNITY COLLEGE NEW AVIATION CENTER FOR EXCELLENCE KINSTON, NC		
DRAWING TITLE EXTERIOR DETAILS		
SCALE	1/2" = 1'-0"	DRAWING NO.
DRAWN	JRH	
CHECKED	JKF	A6.4
DATE	2-28-2024	
PROJECT NO.	2022-18	
© COPYRIGHT, BY ARCHITECTURE FIRM, JOHN K. FARLEY, AIA		



- MATERIALS KEYING LEGEND**
- 033000.A - CONCRETE SLAB ON GRADE, SEE STRUCTURAL
 - 033000.L - CONCRETE SLAB ON STEEL DECK, SEE STRUCTURAL
 - 042000.A3 - CONCRETE MASONRY UNIT, 8"
 - 042000.B - CONCRETE MASONRY UNIT, 12"
 - 042000.C - CONCRETE MASONRY, BOND BEAM
 - 042000.D - CONCRETE MASONRY UNIT, 12"
 - 042000.E - CONCRETE MASONRY UNIT, 12"
 - 042000.F - CONCRETE MASONRY UNIT, 12"
 - 042000.G - CONCRETE MASONRY UNIT, 12"
 - 042000.H - CONCRETE MASONRY UNIT, 12"
 - 042000.I - CONCRETE MASONRY UNIT, 12"
 - 042000.J - CONCRETE MASONRY UNIT, 12"
 - 042000.K - CONCRETE MASONRY UNIT, 12"
 - 042000.L - CONCRETE MASONRY UNIT, 12"
 - 042000.M - CONCRETE MASONRY UNIT, 12"
 - 042000.N - CONCRETE MASONRY UNIT, 12"
 - 042000.O - CONCRETE MASONRY UNIT, 12"
 - 042000.P - CONCRETE MASONRY UNIT, 12"
 - 042000.Q - CONCRETE MASONRY UNIT, 12"
 - 042000.R - CONCRETE MASONRY UNIT, 12"
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 - 042000.V - CONCRETE MASONRY UNIT, 12"
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 - 042000.98 - CONCRETE MASONRY UNIT, 12"
 - 042000.99 - CONCRETE MASONRY UNIT, 12"
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GENERAL NOTES

KEY PLAN

SCO ID #22-25364-02A

NO	REVISION	DATE

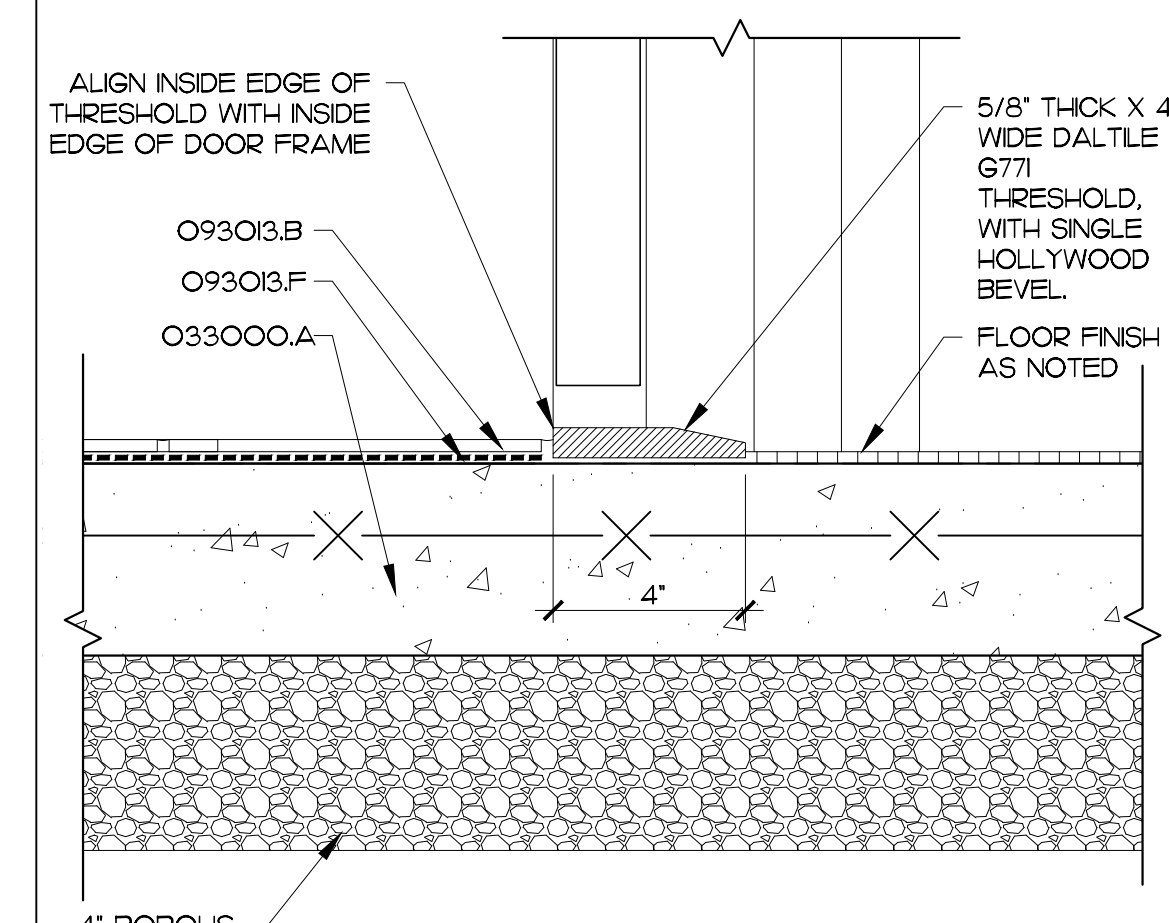
JOHN K. FARAS ARCHITECTURE

423 LYNDALE CT., SUITE F, GREENVILLE, NC 27638 252-355-1048

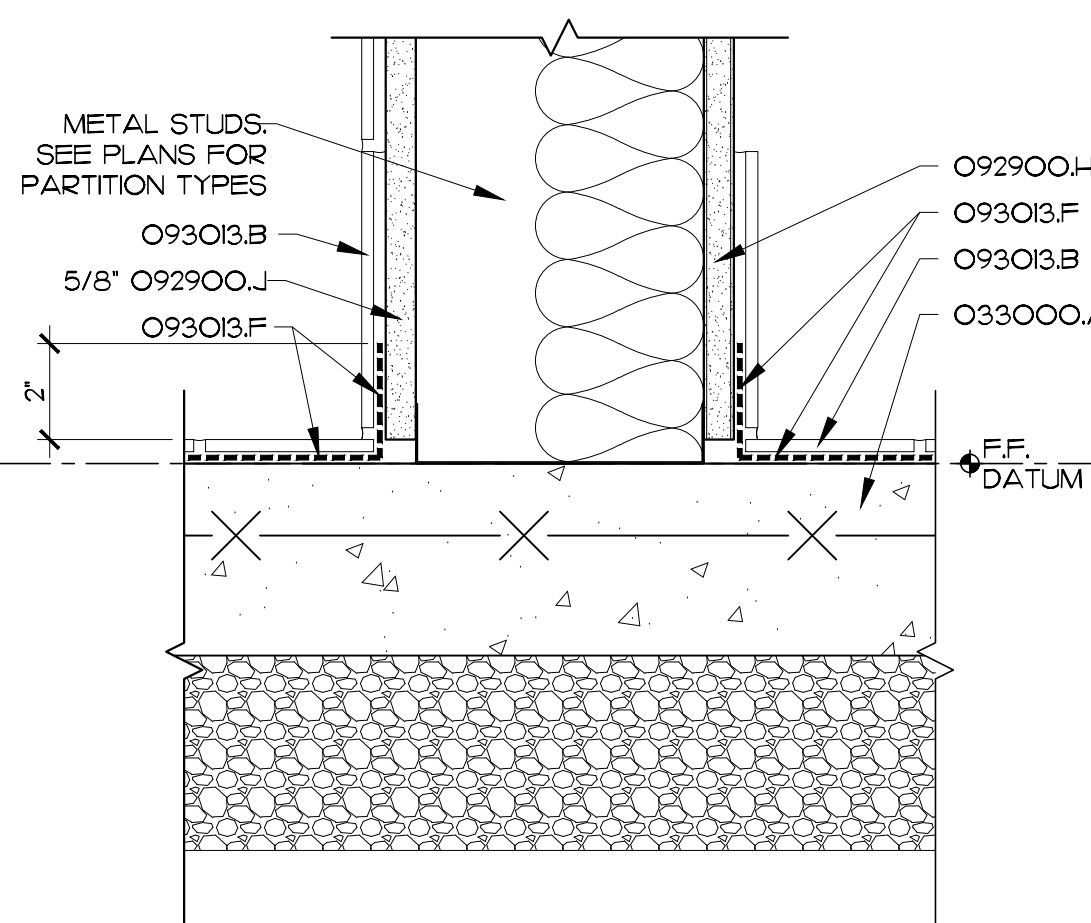
**LENOIR COMMUNITY COLLEGE
NEW AVIATION CENTER
FOR EXCELLENCE**
KINSTON, NC

EXTERIOR DETAILS

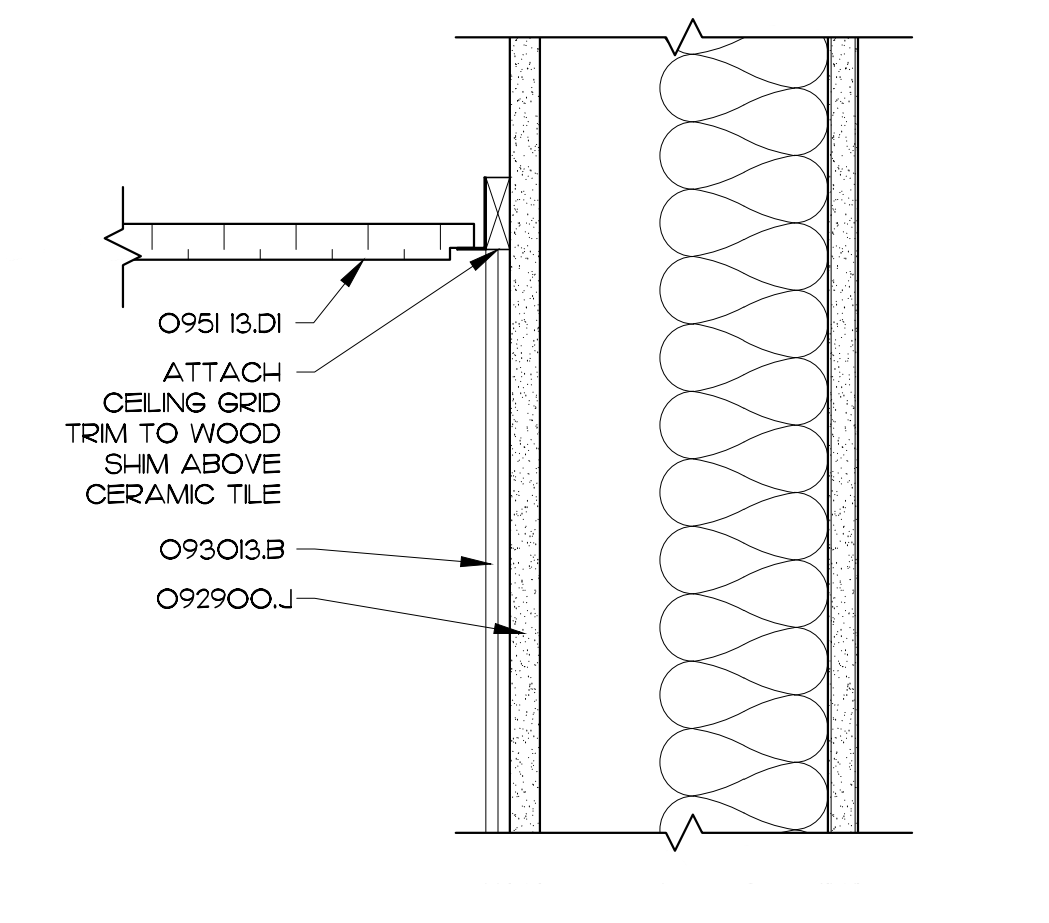
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DRAWING NO: A6.5
DATE: 2-28-2024
PROJECT NO: 2022-18



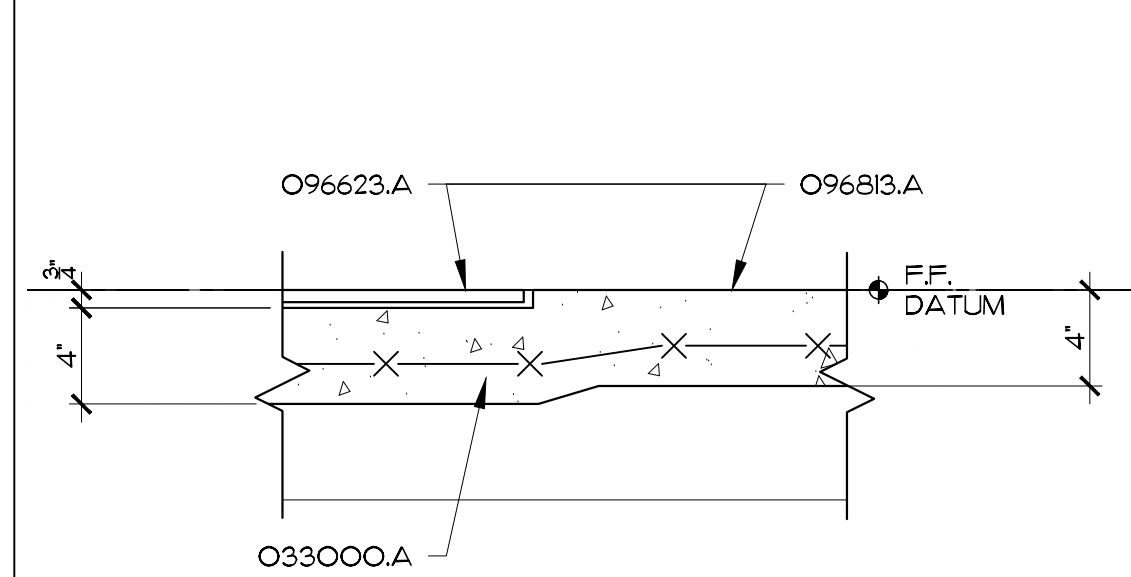
CERAMIC TILE THRESHOLD TRANSITION
3'-1-0"



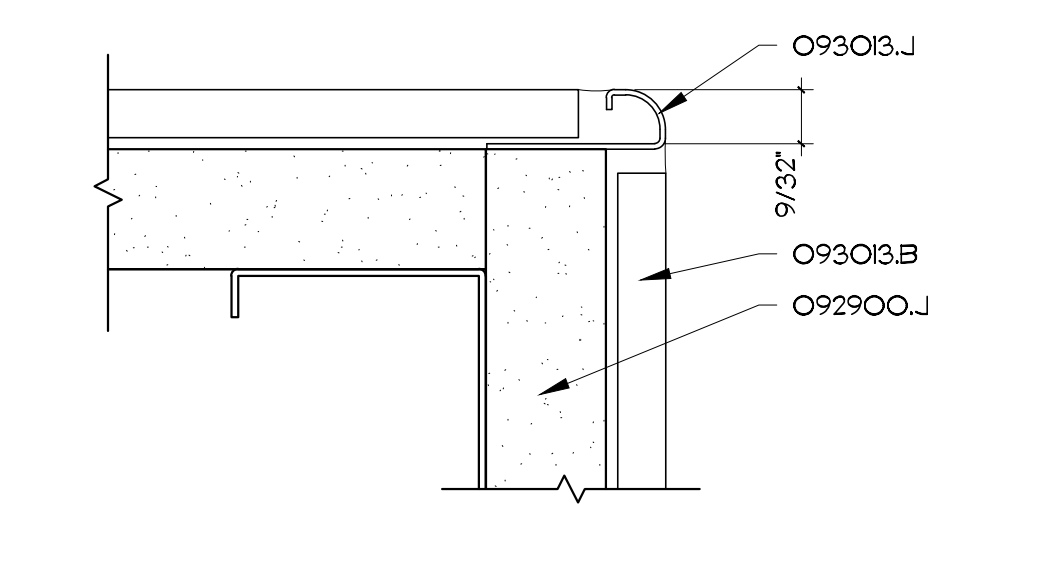
TYPICAL FLOOR-WALL WATERPROOFING DETAIL AT THINSET
3'-1-0"



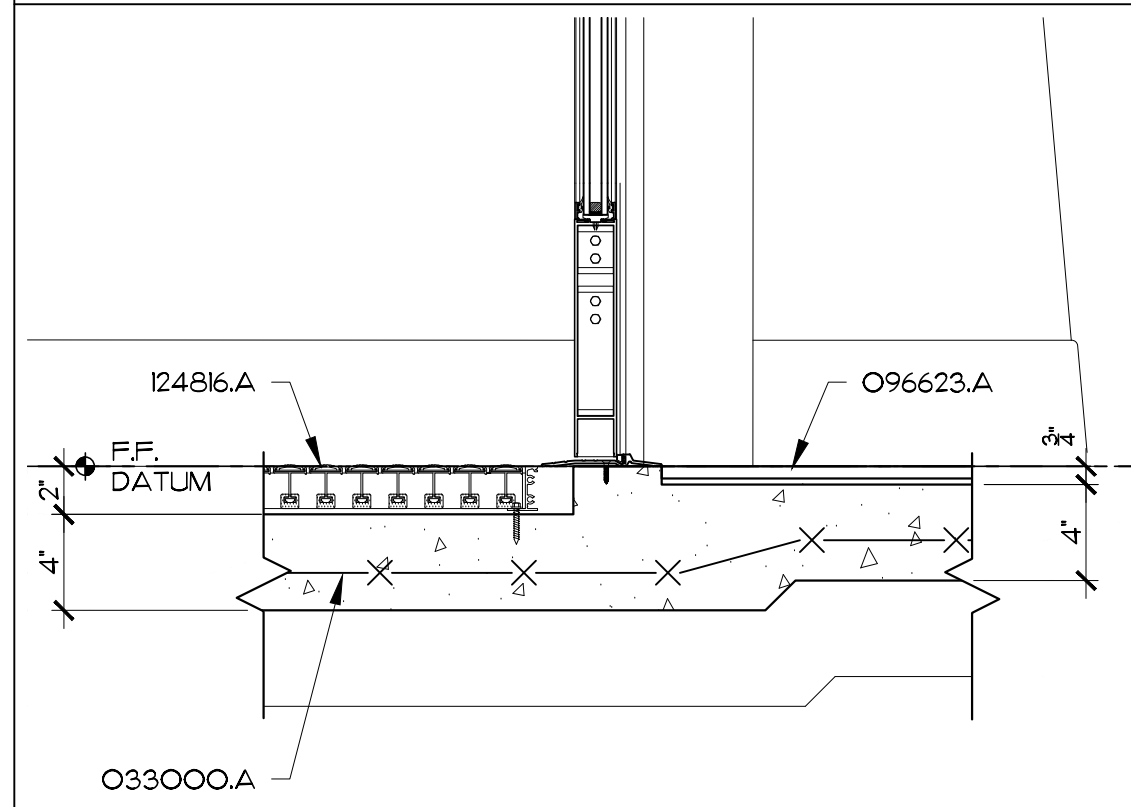
CERAMIC TILE CEILING TRANSITION
3'-1-0"



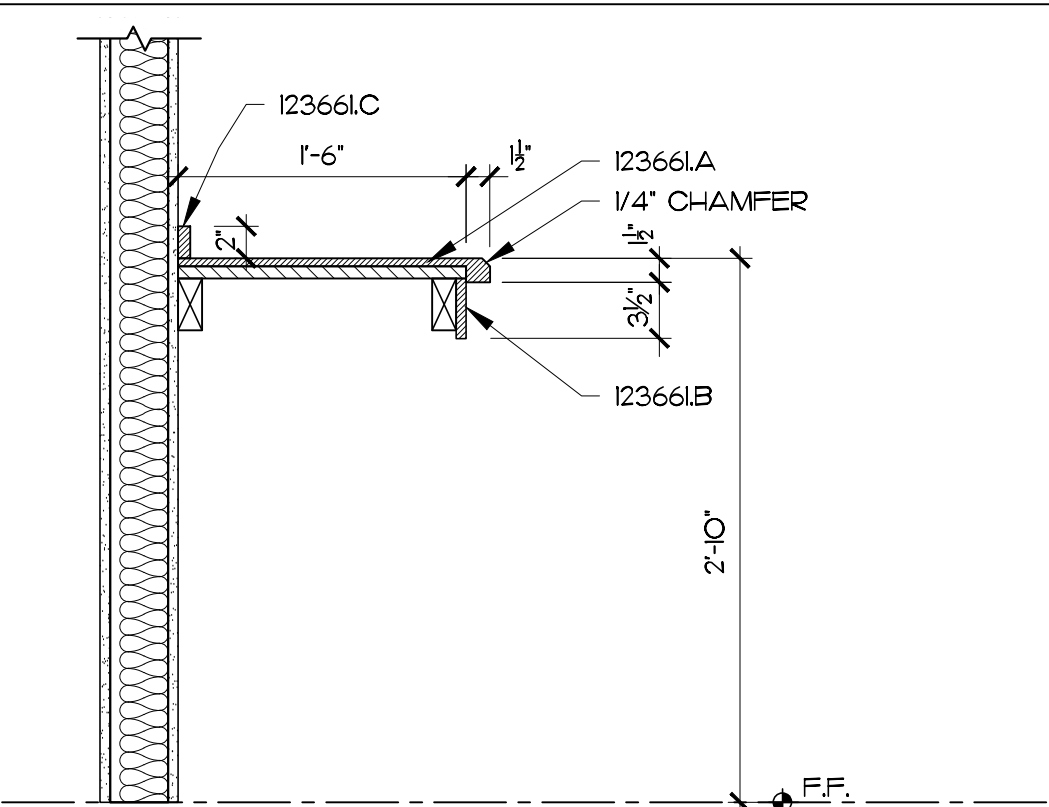
DETAIL
1 1/2' - 1'-0" K9



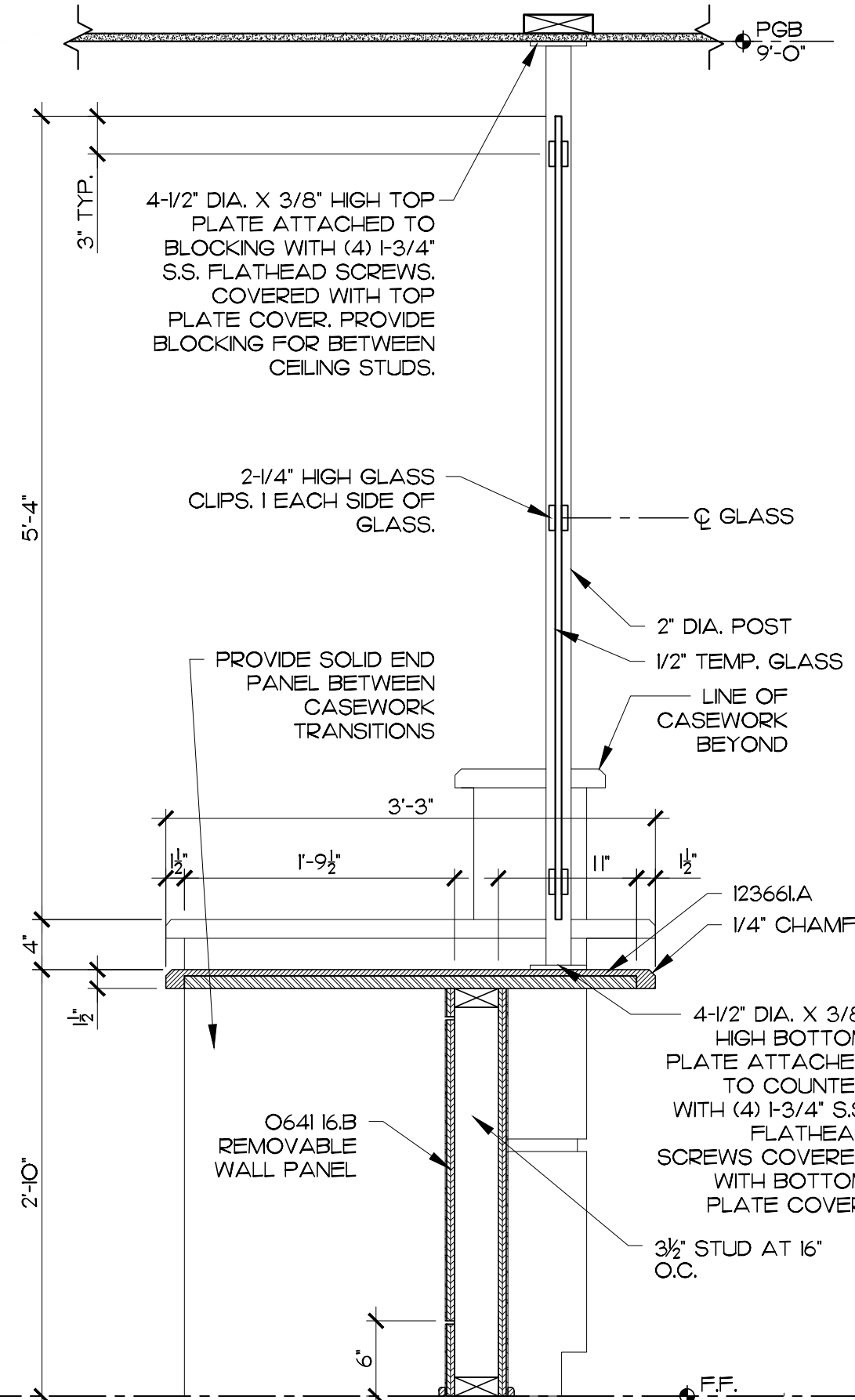
CERAMIC TILE OUTSIDE CORNER DETAIL
1'-0" = 1'-0" K12



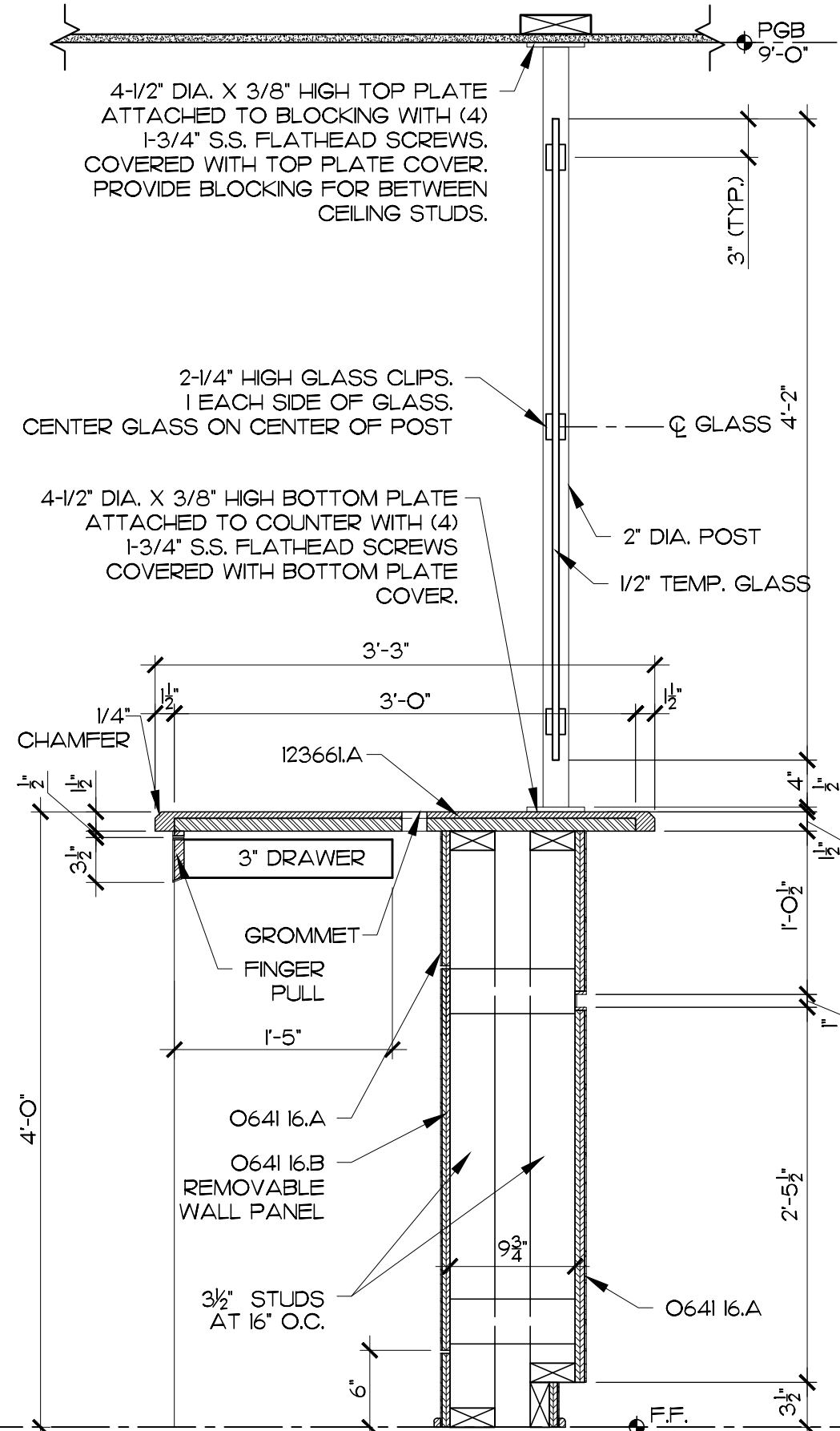
DETAIL
1 1/2' - 1'-0" G9



CASEWORK SECTION
1'-1'-0" G12



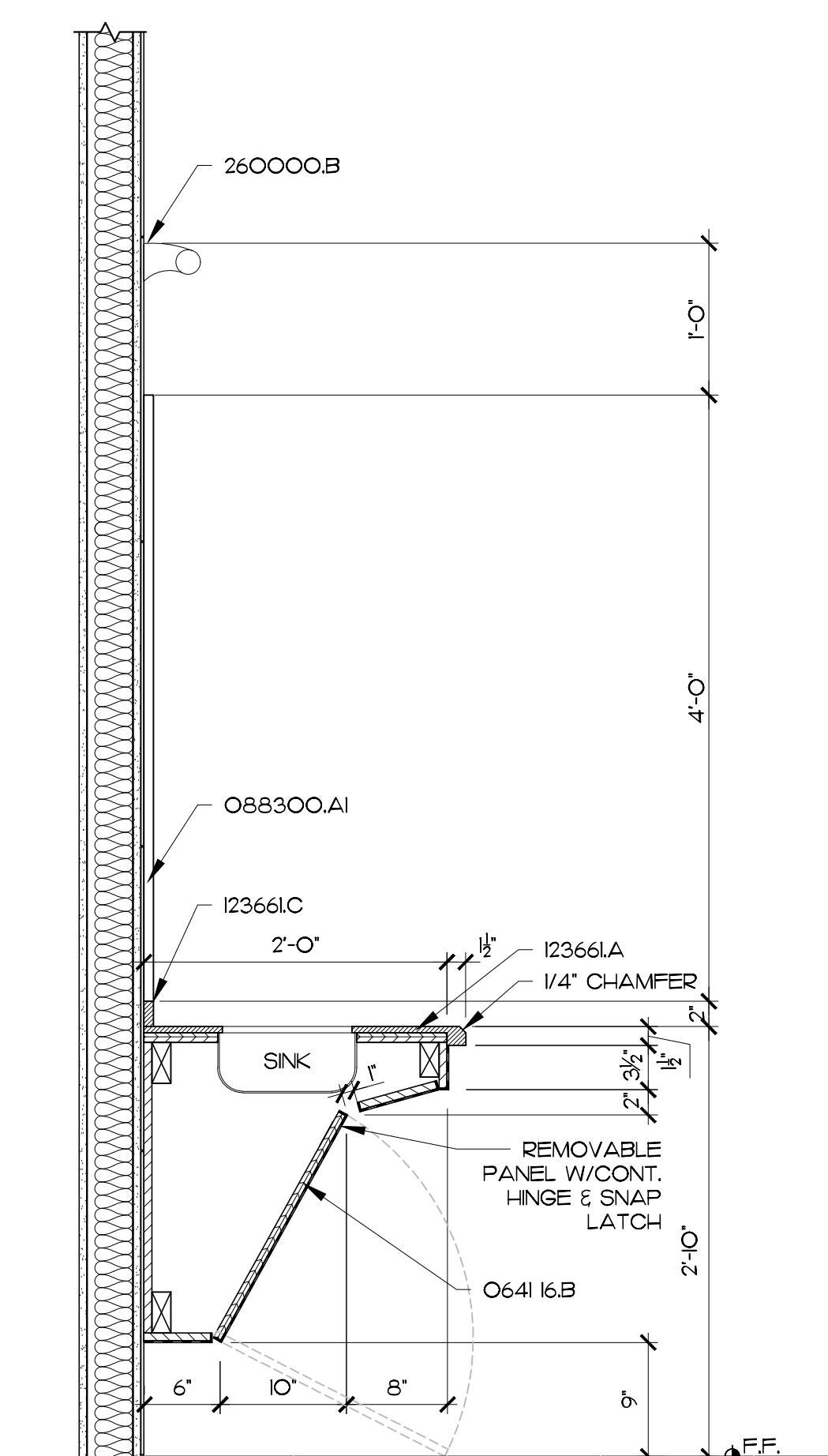
CASEWORK SECTION
1'-1'-0" G15



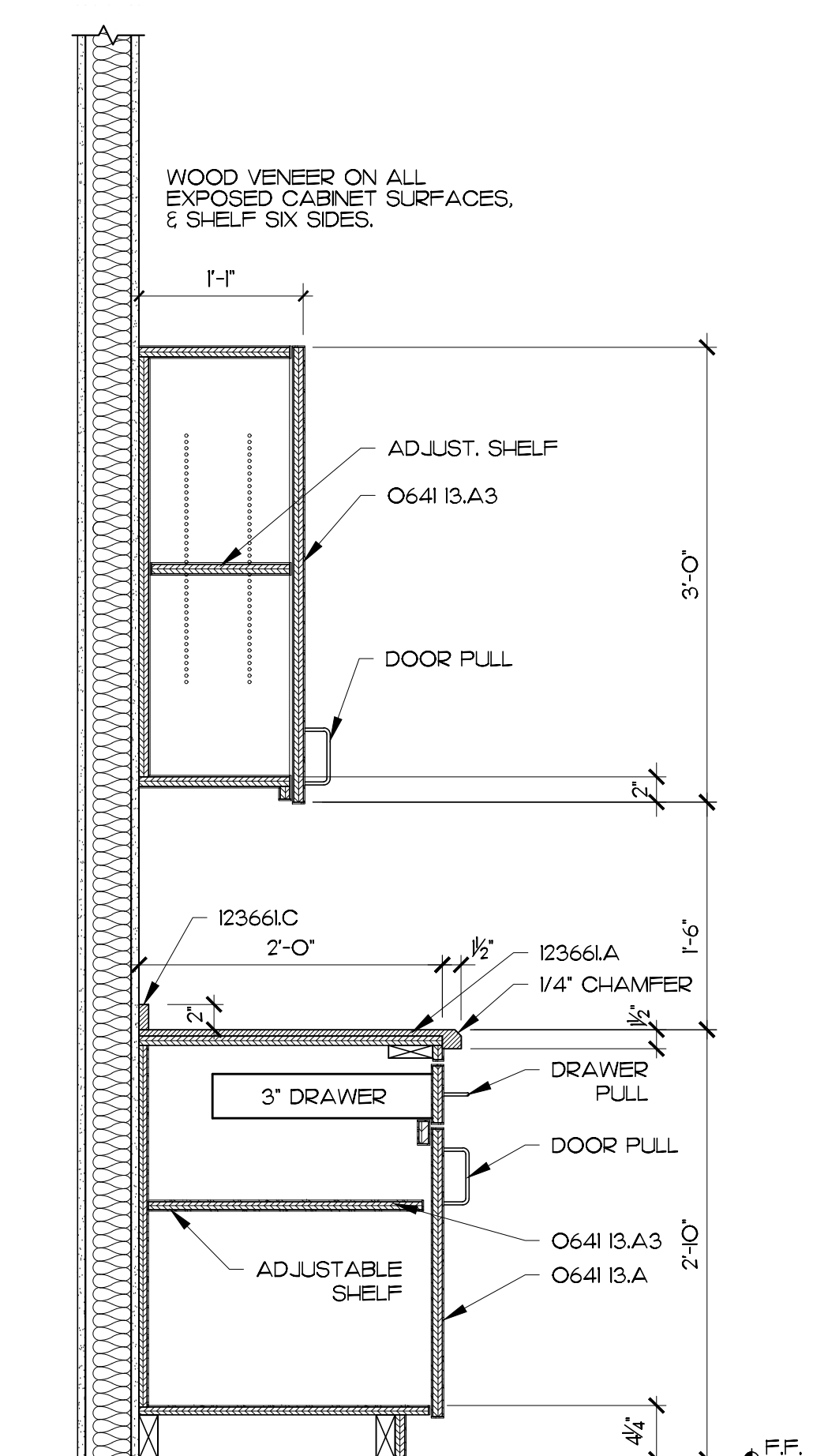
CASEWORK SECTION
1'-1'-0" G18



CASEWORK SECTION
1'-1'-0" A12



CASEWORK SECTION
1'-1'-0" A15



CASEWORK SECTION
1'-1'-0" A18

MATERIALS KEYING LEGEND

- O33000.A - CONCRETE SLAB ON GRADE, SEE STRUCTURAL
- O641 B.A - WOOD-VENEER-FACED CABINETS
- O641 B.A.3 - WOOD-VENEER PLYWOOD, 3/4" THICK
- O641 B.6 - PLASTIC LAMINATE CABINETS
- O641 B.6.B - PLASTIC LAMINATE, 3/4" THICK
- O88300.A1 - 1/4" GLASS MIRROR
- O92900.A4 - 5/8" GYPSUM WALLBOARD
- O92900.J - CEMENTITIOUS BACKER UNIT, 5/8"
- O92900.H2 - MR. GYPSUM BOARD, 5/8" THICK
- O9303.B - CERAMIC TILE
- O9303.D - MORTAR BED
- O9303.E - REINFORCING MESH
- O9303.F - WATERPROOFING MEMBRANE
- O9303.J - METAL TRIM
- O9303.G - CLEAVAGE MEMBRANE
- O951 B.D1 - ACOUSTICAL PANEL CEILING TILE, 2x2
- O96623.A - TERRAZZO FLOOR
- O968B.A - CARPET TILE
- I2366.A - SIMULATED STONE COUNTERTOP
- I2366.B - SIMULATED STONE APRON
- I2366.C - SIMULATED STONE BACKSPLASH
- I24816.A - FOOT GRILLE, RECESSED
- 260000.B - INTERIOR LIGHT FIXTURE

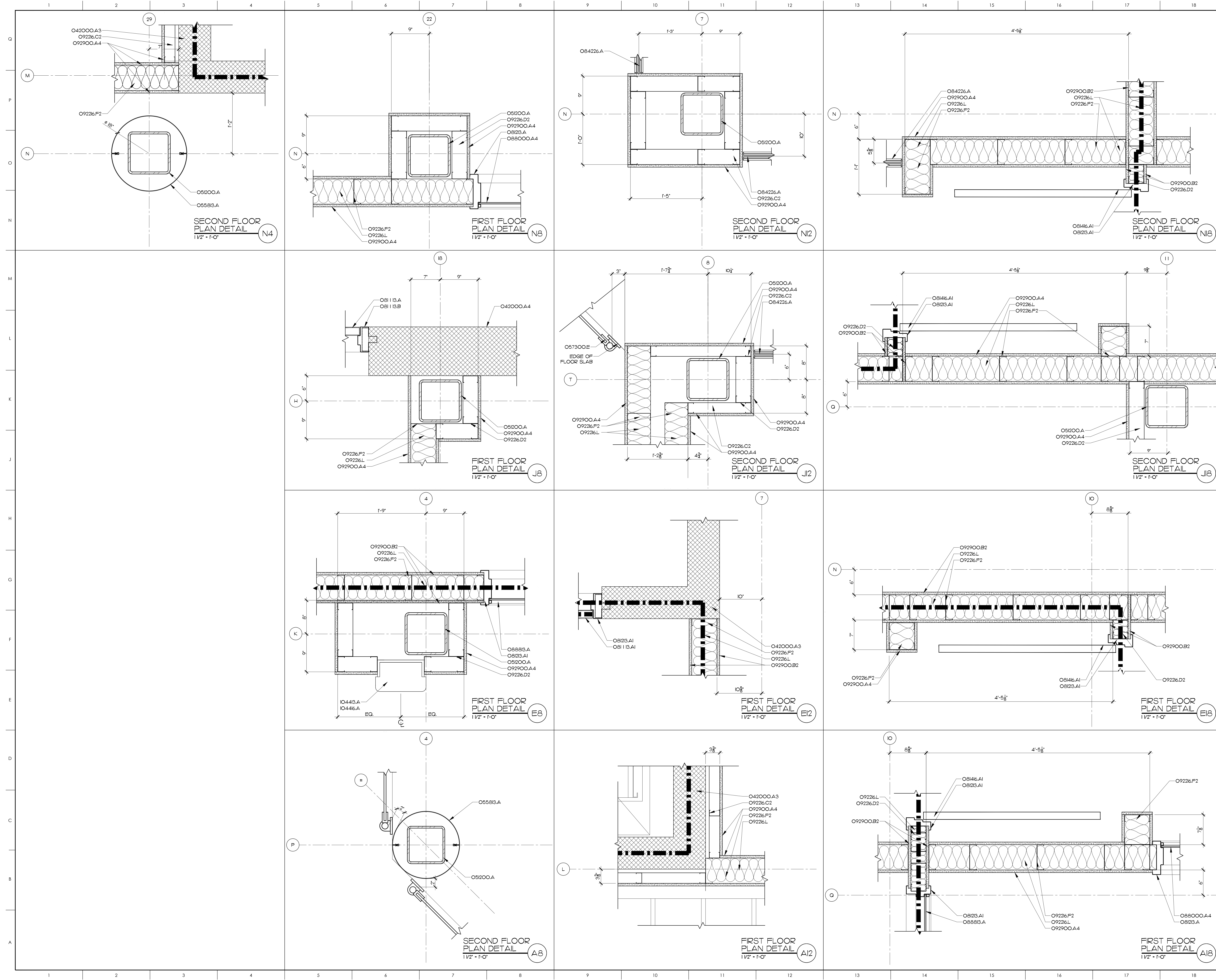
GENERAL NOTES

- TRANSACTION GLASS ASSEMBLY BASIS OF DESIGN OR LAURENCE POST AND GLASS CLIP SYSTEM OR EQUIVALENT BY VIVA RAILINGS, MODULAR RAILING SYSTEM OR HOLEANDOR ARCHITECTURAL HANDRAL SYSTEMS.
- DELETE 2" BACK SPLASH WHERE CERAMIC TILE IS PROVIDED

KEY PLAN

NO	REVISION	DATE
<h1 style="margin: 0;">JKF</h1> <p style="margin: 0;">ARCHITECTURE</p>		
<p style="font-size: 8px;">425 LYNDALE CT. SUITE F, GREENVILLE, NC 27608 252.355.1048</p> <p style="font-size: 12px; margin: 0;">LENOIR COMMUNITY COLLEGE NEW AVIATION CENTER FOR EXCELLENCE KINSTON, NC</p>		
<p style="font-size: 10px;">DRAWING TITLE</p> <p style="margin: 0;">INTERIOR DETAILS AND CASEWORK SECTIONS</p>		
SCALE	AS NOTED	DRAWING NO.
DRAWN	BTP	
CHECKED	JKF	
DATE	2-28-2024	
PROJECT NO.	2022-18	

A7.2



MATERIALS KEYING LEGEND

- O42000.A3 - CONCRETE MASONRY UNIT, 8"
- O42000.A4 - CONCRETE MASONRY UNIT, 12"
- O5200.A - STRUCTURAL STEEL, SEE STRUCTURAL DRAWINGS
- O5583.A - COLUMN COVER, 1/2" DIA.
- O7300.E - DECORATIVE METAL/GLASS RAIL SYSTEM (CMGRS)
- O8113.A - HOLLOW METAL DOOR
- O8113.A1 - HOLLOW METAL DOOR (FIRE-RATED)
- O8113.B - HOLLOW METAL FRAME
- O823.A - HOLLOW METAL FRAME
- O823.A1 - HOLLOW METAL FRAME (FIRE-RATED)
- O846.A1 - SOLID CORE WOOD DOOR, FLUSH, (FIRE-RATED)
- O84226.A - ALL GLASS WALL SYSTEM
- O88000.A4 - GLAZING 1/4" CLEAR TEMPERED FLOAT GLASS
- O8883.A - FIRE RATED GLASS 5/16" THICK
- O9226.C2 - 2 1/2" METAL STUDS AT 16" O.C.
- O9226.D2 - 3 5/8" METAL STUDS AT 16" O.C.
- O9226.L - 6" METAL STUDS AT 16" O.C.
- O9226.LL - ACOUSTICAL BLANKET, THICKNESS AS NOTED IN PARTITION TYPES
- O92900.A4 - 5/8" GYPSUM WALLBOARD
- O92900.B2 - TYPE 'X' GYPSUM WALLBOARD, 5/8" THICK
- IO443.A - SEMI-RECESSED FIRE EXTINGUISHER CABINET
- IO446.A - FIRE EXTINGUISHER

GENERAL NOTES

KEY PLAN

NO.	REVISION	DATE

JKF

ARCHITECTURE

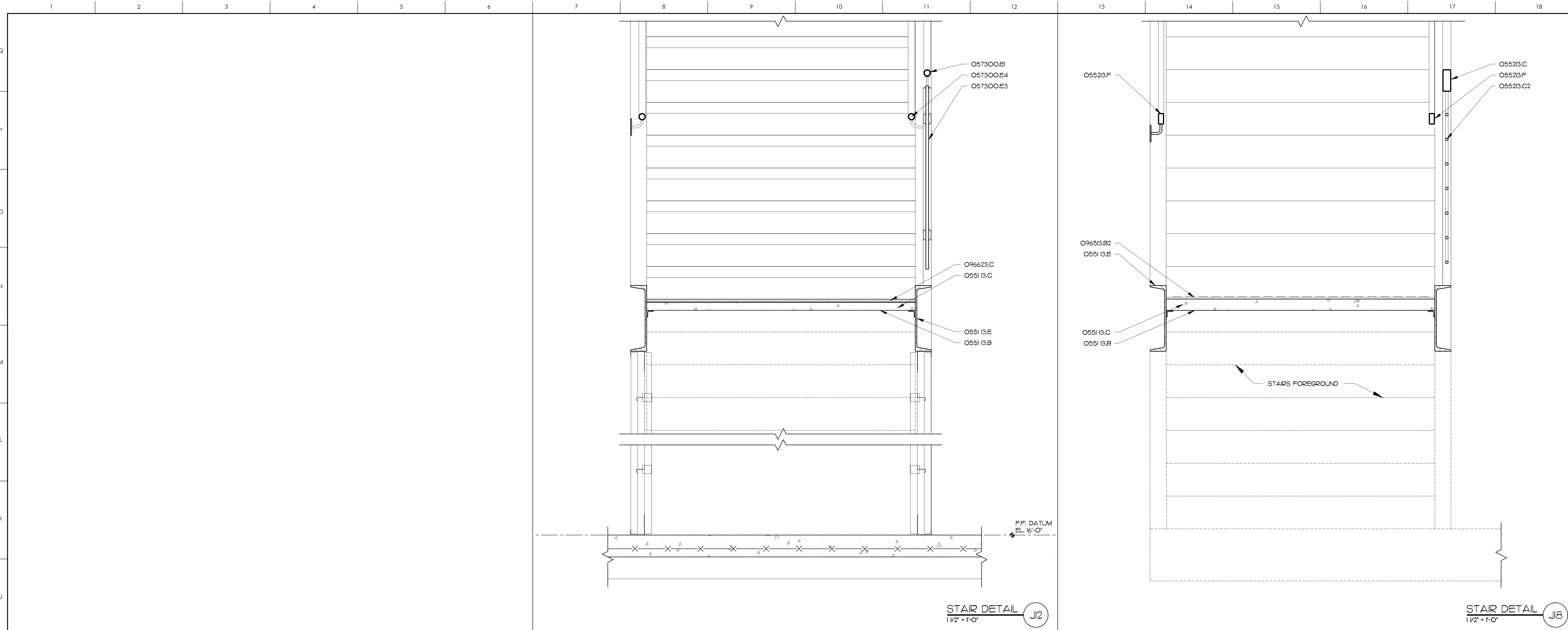
425 LYNDALE CT. SUITE F, GREENVILLE, NC 27658 252-355-1048

LENOR COMMUNITY COLLEGE
NEW AVIATION CENTER
FOR EXCELLENCE
KINSTON, NC

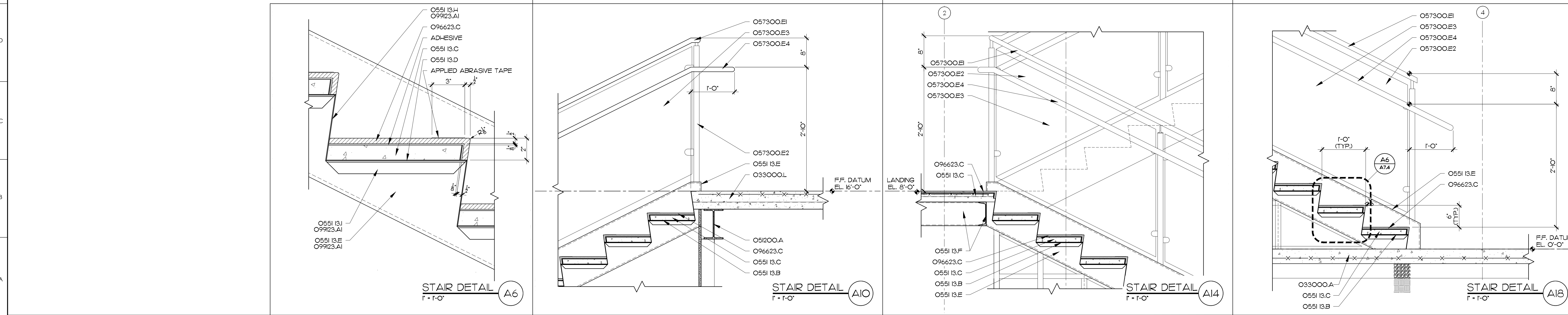
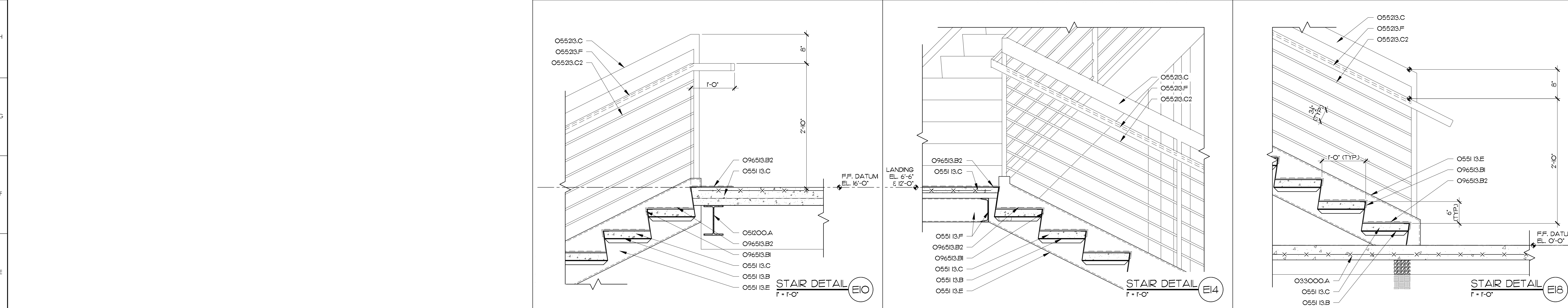
DRAWING TITLE: **INTERIOR DETAILS**

SCALE: 1 1/2" = 1'-0"	DRAWING NO:
DRAWN: BTP	A7.3
CHECKED: JKF	
DATE: 2-28-2024	
PROJECT NO: 2022-18	

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- MATERIALS KEYING LEGEND**
- O33000.A - CONCRETE SLAB ON GRADE, SEE STRUCTURAL
 - O33000.L - CONCRETE SLAB ON STEEL DECK, SEE STRUCTURAL
 - O51200.A - STRUCTURAL STEEL, SEE STRUCTURAL DRAWINGS
 - O55113.B - STEEL PAN
 - O55113.C - CONC. PAN FLL
 - O55113.D - STEEL STAIR TREAD
 - O55113.E - STEEL STRINGERS
 - O55113.F - STEEL CHANNEL
 - O55113.H - STEEL RISER
 - O55113.I - STEEL SUPPORT ANGLE
 - O5523.C - STEEL GUARDRAIL ASSEMBLY, 42" HIGH, PAINTED
 - O5523.C2 - INTERMEDIATE STEEL RAILS, 1/2" O.D., PAINTED
 - O5523.E1 - GUARDRAIL, 1 1/2" SQUARE TUBE, PAINTED
 - O5523.F - STEEL HANDRAIL ASSEMBLY, 34" HIGH, PAINTED
 - O57300.E1 - DMGRS, 1 1/2" DIA. TOP-RAIL, S.S.
 - O57300.E2 - DMGRS, METAL POST, S.S.
 - O57300.E3 - DMGRS, GLASS PANEL
 - O57300.E4 - DMGRS, 1 1/2" DIA. HANDRAIL, S.S.
 - O96513.E1 - RESILIENT STAR NOSING
 - O96513.B2 - RESILIENT STAR TREAD
 - O96623.C - TERRAZZO STAR TREAD
 - O9923.A1 - PAINT FINISH, INTERIOR SYSTEM



GENERAL NOTES

SCO ID #22-25364-02A

KEY PLAN

NO	REVISION	DATE

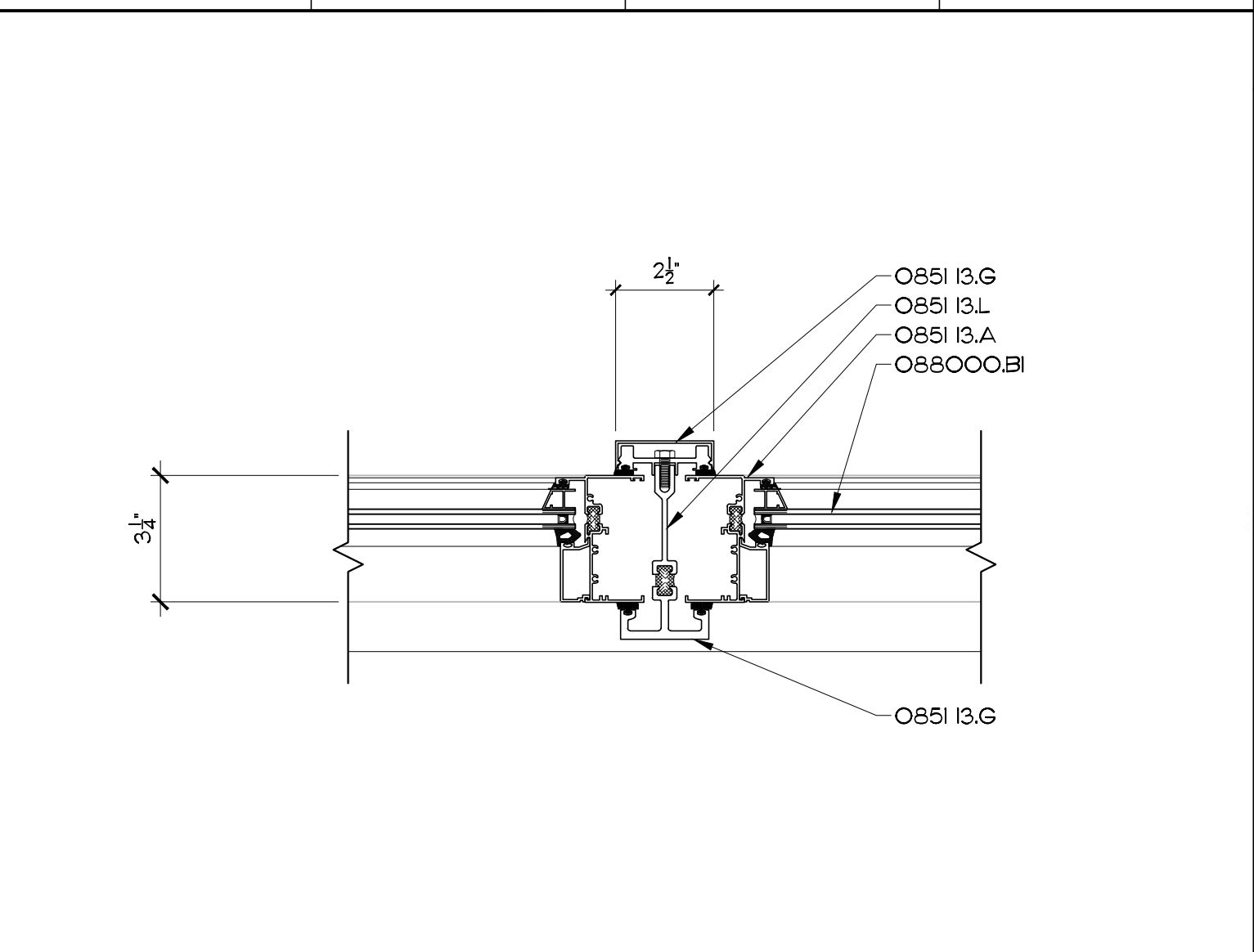
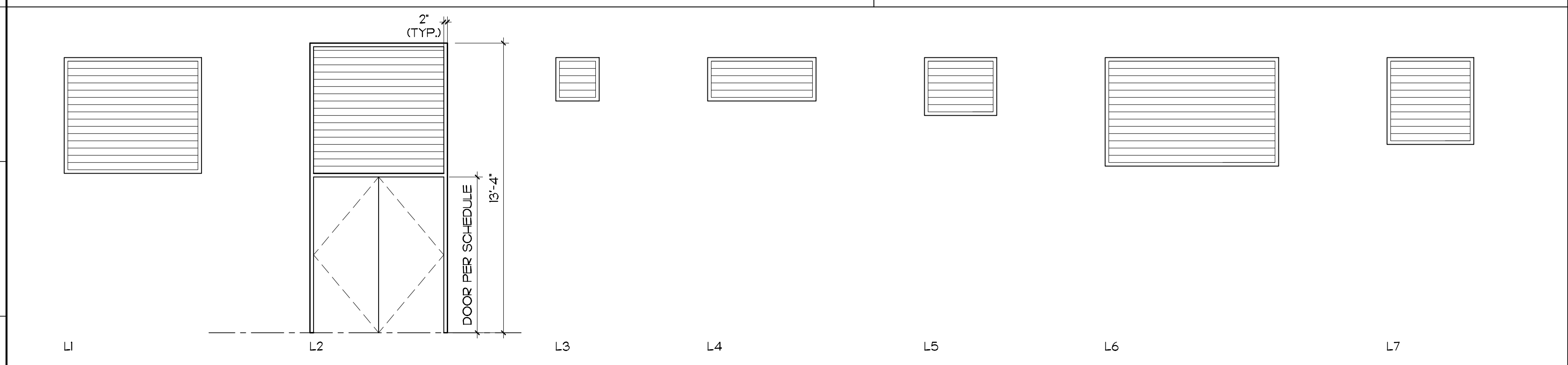
JOHN K. FARLAS
REGISTERED ARCHITECT
1/15/2024
JKF ARCHITECTURE

425 LYNDALE CT., SUITE F, GREENVILLE, NC 27658 252-355-1048
**LENOIR COMMUNITY COLLEGE
NEW AVIATION CENTER
FOR EXCELLENCE**
KINSTON, NC

DRAWING TITLE STAIR DETAILS	
SCALE AS NOTED	DRAWING NO.
DRAWN JRH	A7.4
CHECKED JKF	
DATE 2-28-2024	PROJECT NO. 2022-18

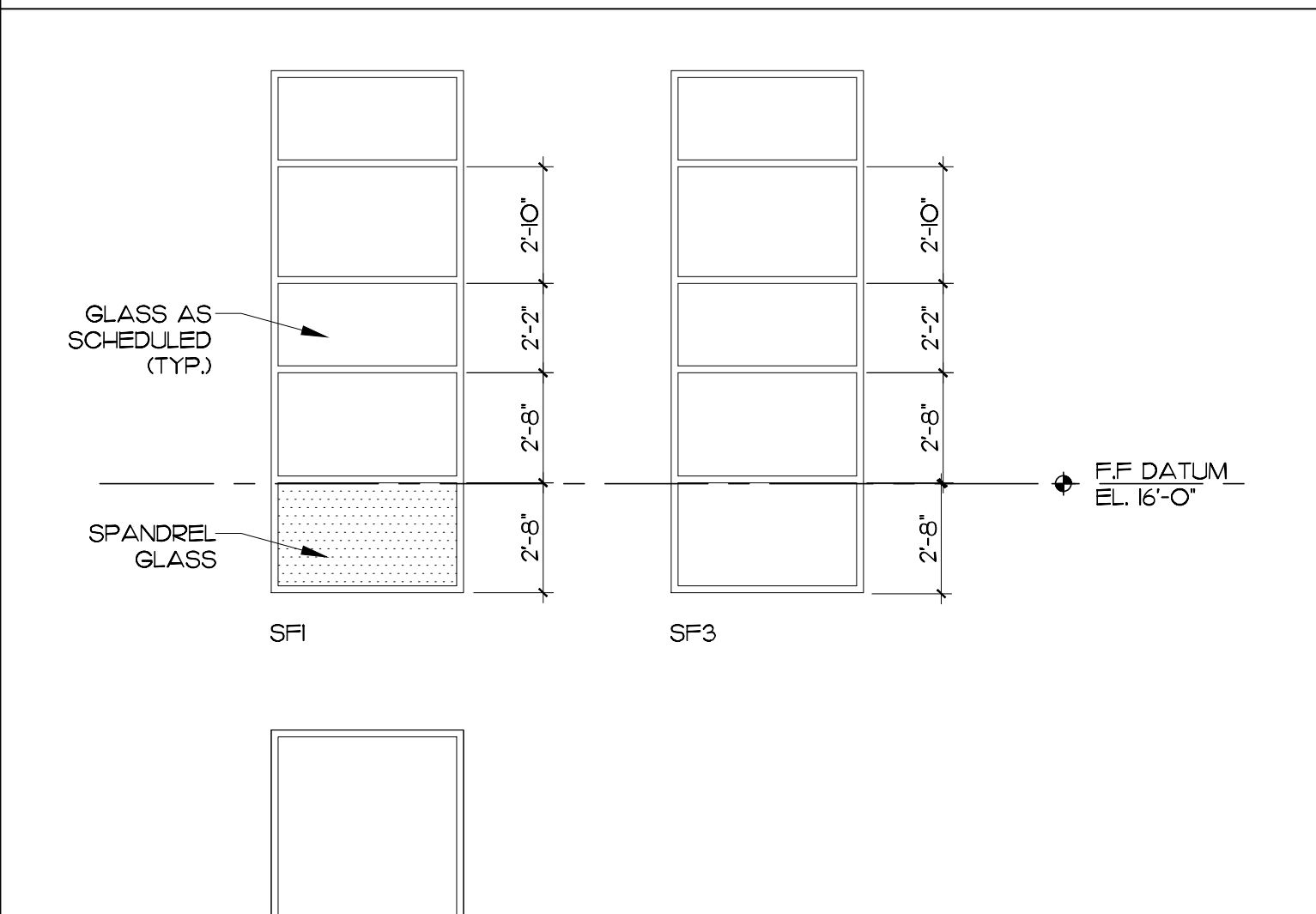
LOUVER GROUP NO.	LOUVER UNIT SIZE (W X H)	LOUVER TYPE	MATERIAL	FINISH	FRAME ELEVATION	UNIT THICKNESS	DETAILS			FREE AREA	REMARKS
							J	H	S		
L1	76" X 64"	FIXED LOUVER	AL	AN	LI	4"				16 SOFT. MIN.	
L2	72" X 72"	FIXED LOUVER	AL	AN	LI	4"				16 SOFT. MIN.	
L3	24" X 24"	FIXED LOUVER	AL	AN	LI	4"				144 SOFT. MIN.	
L4	60" X 24"	FIXED LOUVER	AL	AN	LI	4"				45 SOFT. MIN.	
L5	40" X 32"	FIXED LOUVER	AL	AN	LI	4"				328 SOFT. MIN.	
L6	96" X 60"	FIXED LOUVER	AL	AN	LI	4"				213 SOFT. MIN.	
L7	48" X 48"	FIXED LOUVER	AL	AN	LI	4"				81 SOFT. MIN.	

LOUVER TYPES



INTERMEDIATE VERTICAL/JAMB DETAIL N9
3'-1 1/2"

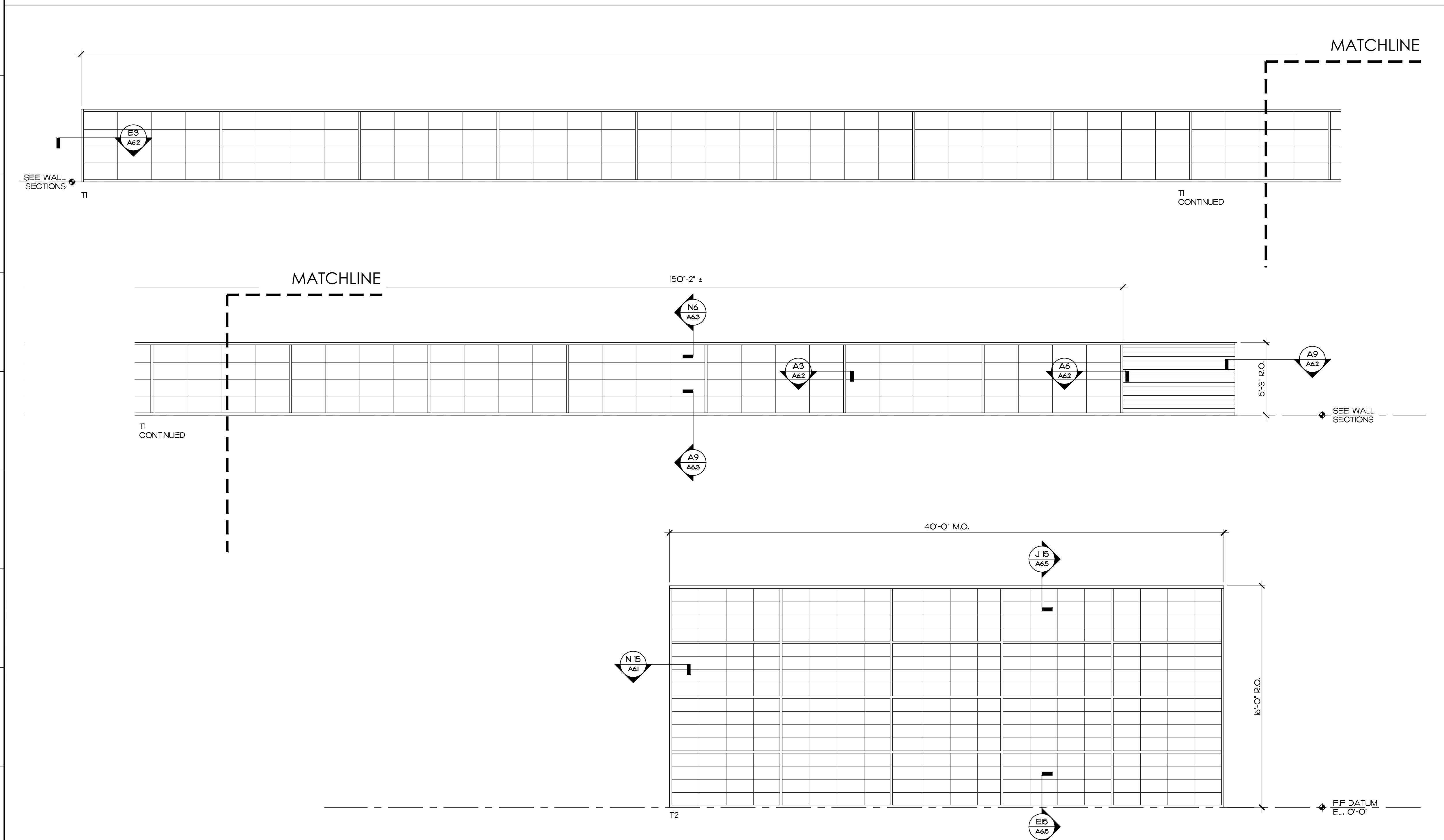
STOREFRONT TYPES



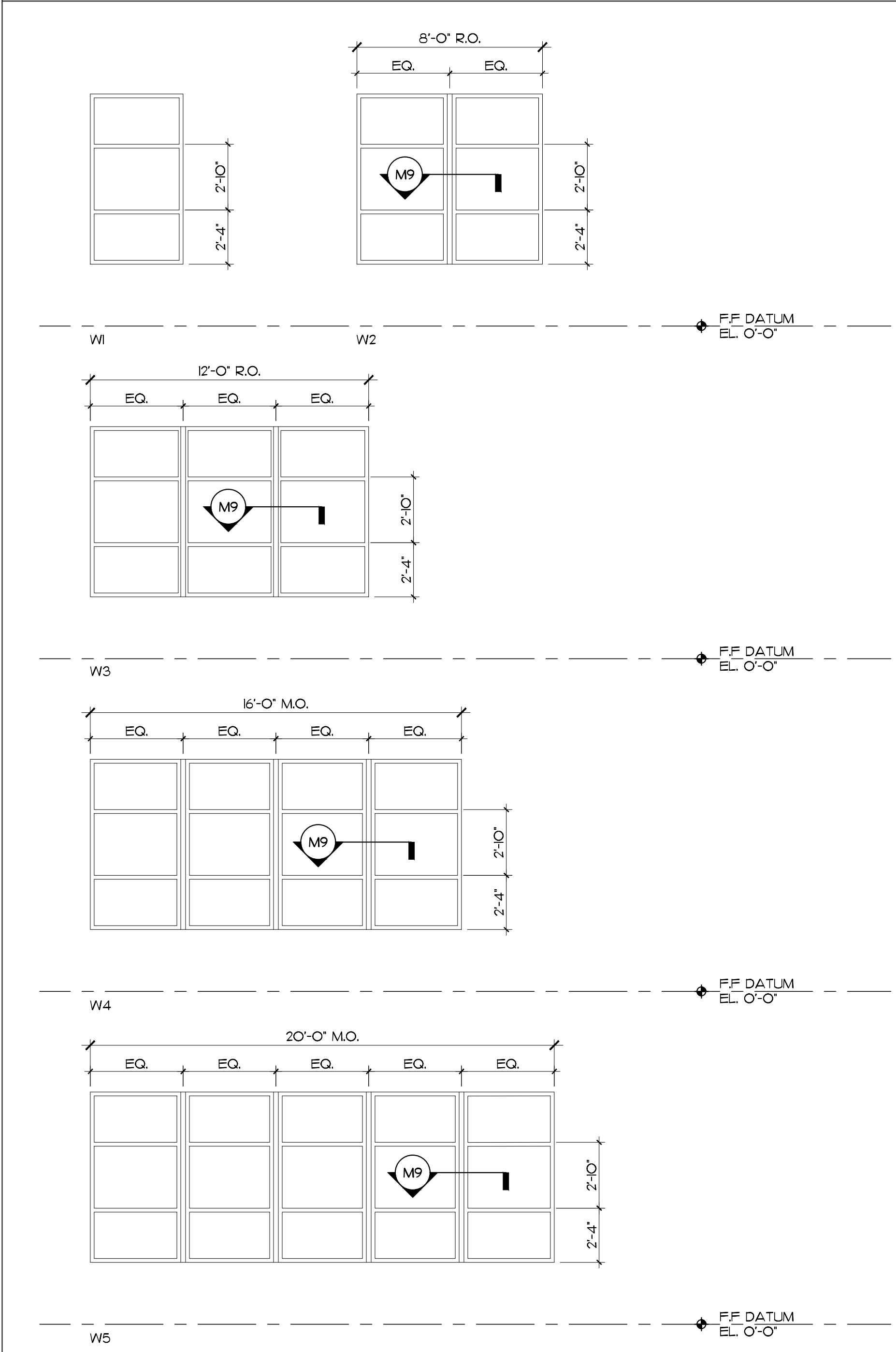
WINDOW SCHEDULE

WINDOW GROUP NO.	WINDOW UNIT SIZE (W X H)	WINDOW TYPE	MATERIAL	FINISH	FRAME ELEVATION	UNIT THICKNESS	DETAILS			GLASS	FREE RATINGS (FRS)	REMARKS
							J	H	S			
W1	4'-0" X 7'-4"	W1	AL	AN	W1	3 1/4"	N10 A6.1	E15 A6.3	A18 A6.3	F	LOW-E TEMP.	
W2	2 (4'-0" X 7'-4")	W2	AL	AN	W2	3 1/4"	N10 A6.1	E15 A6.3	A18 A6.3	F	LOW-E TEMP.	
W3	3 (4'-0" X 7'-4")	W3	AL	AN	W3	3 1/4"	N10 A6.1	E15 A6.3	A18 A6.3	F	LOW-E TEMP.	
W4	4 (4'-0" X 7'-4")	W4	AL	AN	W4	3 1/4"	N10 A6.1	E15 A6.3	A18 A6.3	F	LOW-E TEMP.	
W5	5 (4'-0" X 7'-4")	W5	AL	AN	W5	3 1/4"	N10 A6.1	E15 A6.3	A18 A6.3	F	LOW-E TEMP.	
SF1	4'-8" X 12'-8"	SF1	AL	AN	SF1	4 1/2"	N8 A6.5	E8 A6.5	A6 A6.5	F	LOW-E TEMP.	
SF2	4'-8" X 4'-8"	SF2	AL	AN	SF2	4 1/2"	N8 A6.5	E8 A6.5	A6 A6.5	F	LOW-E TEMP.	
SF3	4'-8" X 12'-8"	SF2	AL	AN	SF3	4 1/2"	J12 A6.4	E2 A6.4	A6 A6.4	F	LOW-E TEMP.	
T1	40'-0" - 16'-0"	T1	AL	AL	T1	3 1/4"	N6 A6.3	A3 A6.3	A6 A6.3	TRANS. WALL PANEL		
T2	16'-5" - 5'-3"	T2	AL	AL	T2	3 1/4"	N6 A6.1	E8 A6.5	A6 A6.5	TRANS. WALL PANEL		
CW1	SEE DRAWING A8.3	CW1	AL	AN	CW1	7 1/2"	A9 A6.1	E9 A6.3	A6 A6.4	F	LOW-E TEMP.	
CW2	SEE DRAWING A8.3	CW2	AL	AN	CW2	7 1/2"	E6 A6.1	A15 A6.5	A18 A6.3	F	LOW-E TEMP.	
CW3	SEE DRAWING A8.3	CW3	AL	AN	CW3	7 1/2"	N8 A6.1	E6 A6.4	A3 A6.4	F	LOW-E TEMP.	
CW4	SEE DRAWING A8.3	CW4	AL	AN	CW4	7 1/2"	N8 A6.2	A3 A6.3	A6 A6.3	F	LOW-E TEMP.	
CW5	SEE DRAWING A8.3	CW5	AL	AN	CW5	7 1/2"	E6 A6.2	A3 A6.4	A6 A6.4	F	LOW-E TEMP.	
CW6	SEE DRAWING A8.3	CW6	AL	AN	CW6	7 1/2"	J18 A6.1	N9 A6.4	A6 A6.4	F	LOW-E TEMP.	
CW7	SEE DRAWING A8.3	CW7	AL	AN	CW7	7 1/2"	E8 A6.1	N9 A6.4	A6 A6.4	F	LOW-E TEMP.	
CW8	SEE DRAWING A8.3	CW8	AL	AN	CW8	7 1/2"	N6 A6.2	A3 A6.3	A6 A6.3	F	LOW-E TEMP.	
CW9	SEE DRAWING A8.3	CW9	AL	AN	CW9	7 1/2"	E6 A6.2	A12 A6.3	A6 A6.5	F	LOW-E TEMP.	
CW10	SEE DRAWING A8.3	CW10	AL	AN	CW10	7 1/2"	A9 A6.1	E6 A6.3	A6 A6.3	F	LOW-E TEMP.	
CW11	SEE DRAWING A8.3	CW11	AL	AN	CW11	7 1/2"	A9 A6.1	E6 A6.3	A6 A6.3	F	LOW-E TEMP.	

TRANSLUCENT WALL PANEL TYPES



WINDOW TYPES



MATERIALS KEYING LEGEND

- O851 I3.A - ALUMINUM WINDOW ASSEMBLY
- O851 I3.G - MULLION COVER
- O851 I3.L - ALUMINUM MULLION
- O88000.B - INSULATING GLASS-LOW E

GENERAL NOTES

1. INSTALL BUILDING WRAP DIRECTLY ON SHEATHING. SEAL ALL PENETRATIONS. TURN INTO ALL WINDOWS, DOOR, & CURTAIN WALL OPENINGS AND TAPE OR SEAL. FLUSH ALL CORNERS AT OPENINGS AND SEAL EDGES.

KEY PLAN

NO.	REVISION	DATE

JOHN K. FARVAS
REGISTERED ARCHITECT
STATE OF NORTH CAROLINA
2018
JKF ARCHITECTURE

425 LYNDALE CT., SUITE F, GREENVILLE, NC 27638 252-355-1048

LEVOR COMMUNITY COLLEGE
NEW AVIATION CENTER FOR EXCELLENCE
KINSTON, NC

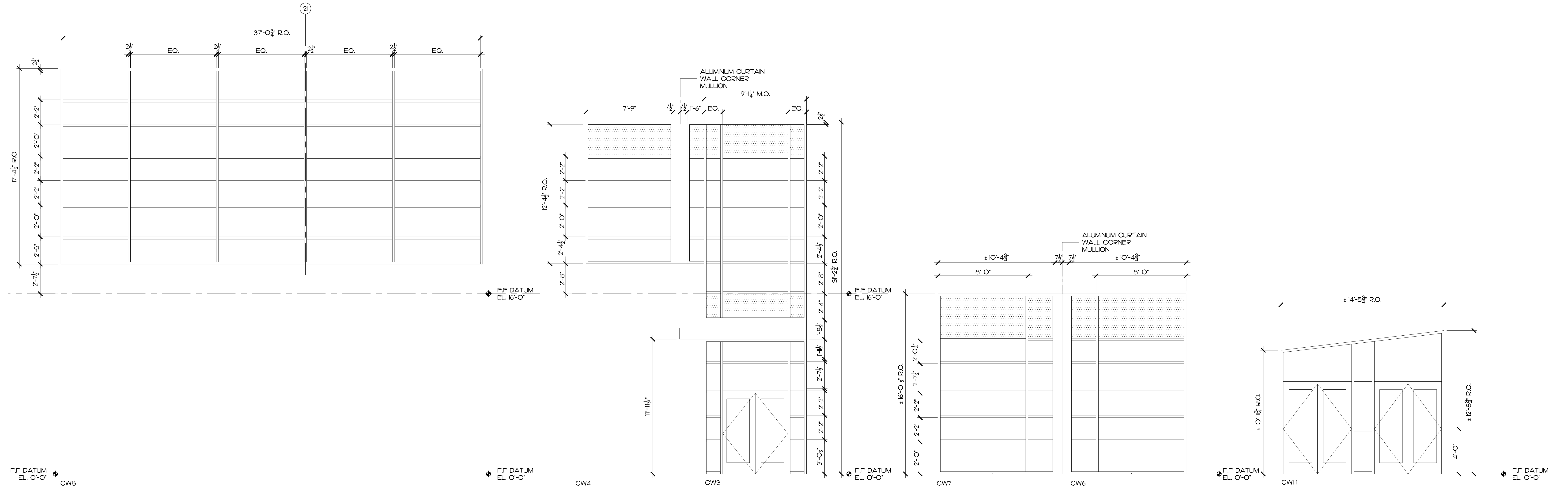
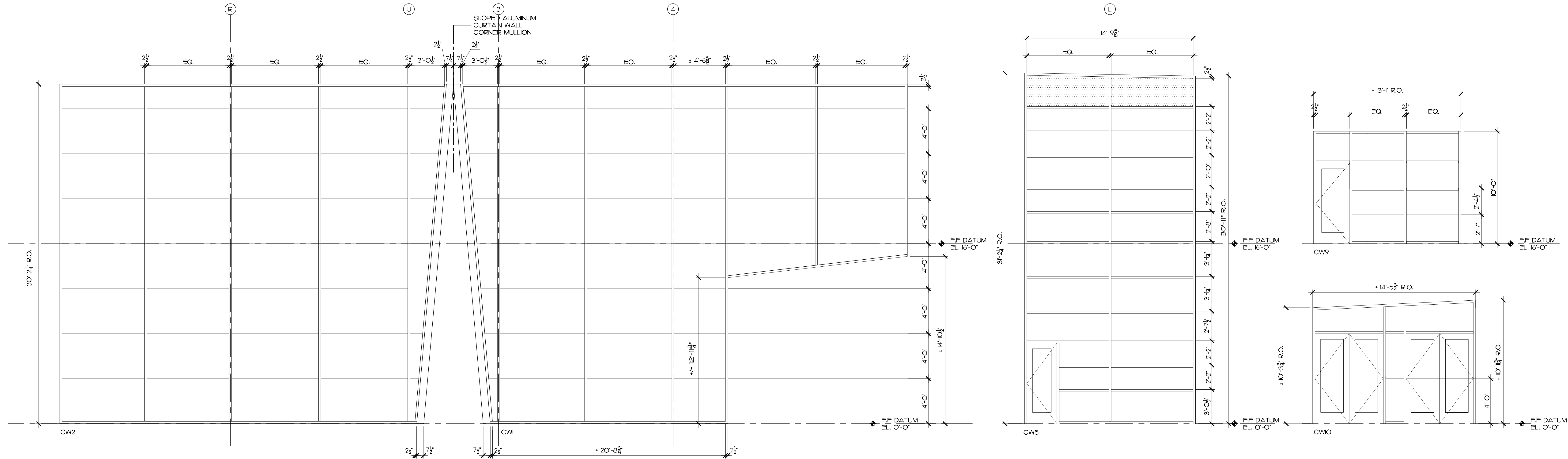
WINDOW SCHEDULE AND DETAILS

SCALE: AS NOTED	DRAWING NO:
DRAWN: BTP, MBD	
CHECKED: JKF	
DATE: 2-28-2024	
PROJECT NO: 2022-18	

A8.2

CURTAIN WALL TYPES

MATERIALS KEYING LEGEND




GENERAL NOTES

1. INSTALL BUILDING WRAP DIRECTLY ON SHEATHING. SEAL ALL PENETRATIONS. TURN INTO ALL WINDOWS, DOOR & CURTAIN WALL OPENINGS AND TAPE AND SEAL FLUSH ALL CORNERS AT OPENINGS AND SEAL EDGES.

KEY PLAN

SCO ID #22-25364-02A

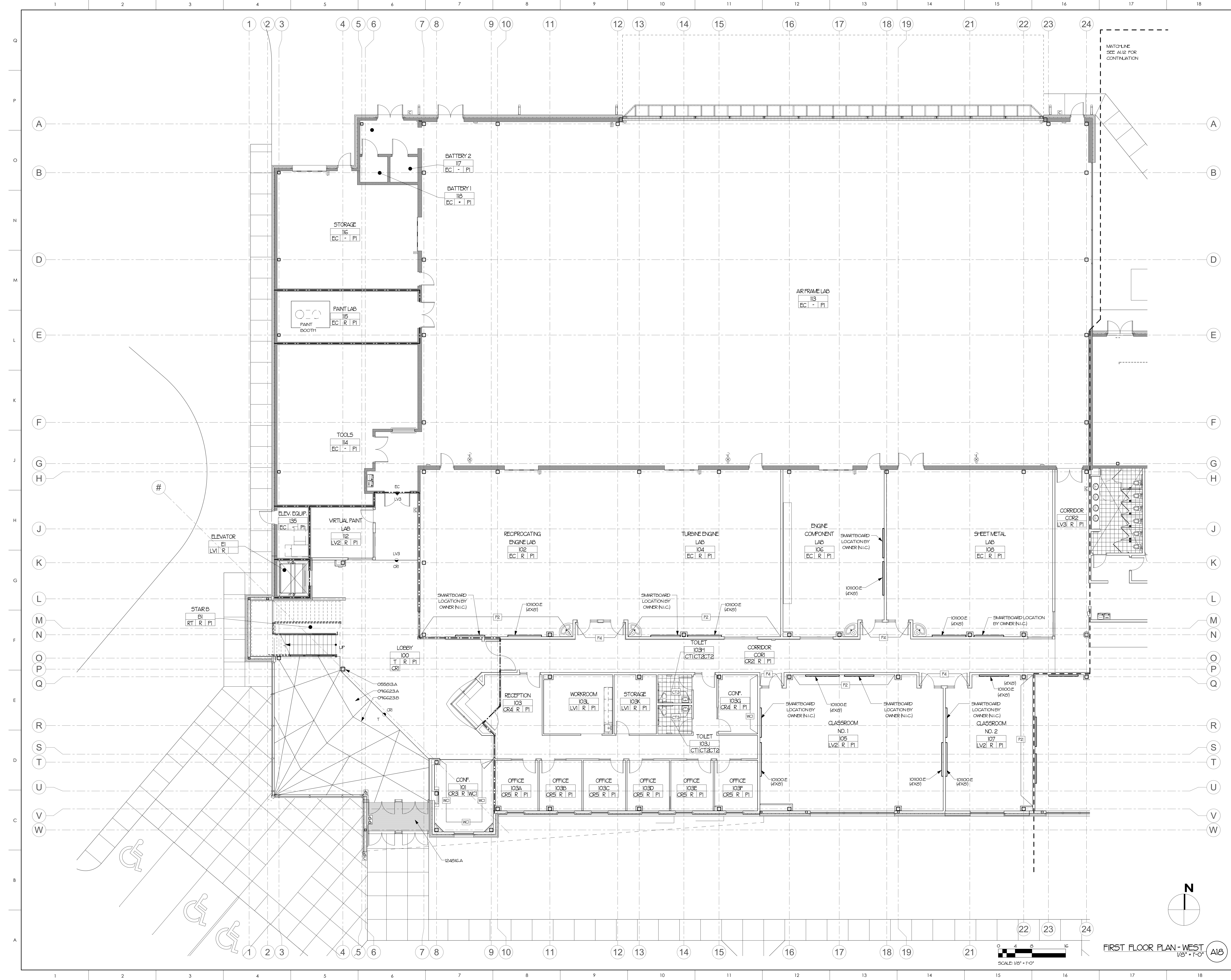
NO.	REVISION	DATE


JKF
 ARCHITECTURE

425 LYNDALE CCL, SUITE F, GREENVILLE, NC 27638 252-355-1048
LENOIR COMMUNITY COLLEGE
NEW AVIATION CENTER
FOR EXCELLENCE
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DRAWING TITLE	
CURTAIN WALL TYPES	
SCALE	DRAWING NO.
1/4" = 1'-0"	
DRAWN	BTP
CHECKED	JKF
DATE	2-28-2024
PROJECT NO.	2022-18

A8.3

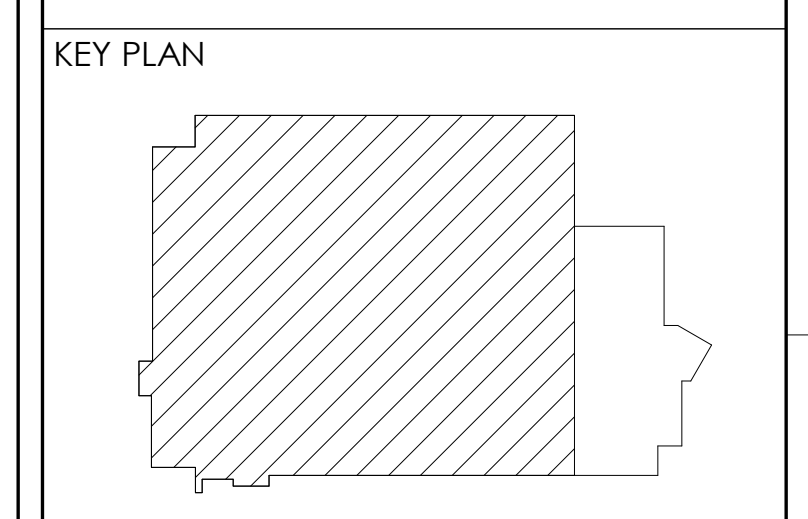


MATERIALS KEYING LEGEND

055013.A	METAL COLUMN COVERS, 15" DIA.
096623.A	TERRAZZO FLOOR, DIVIDER STRIP
096623.B	TERRAZZO FLOOR, DIVIDER STRIP
10100.E	GLASS MARKER BOARD
124916.A	FOOT GRILLE, RECESSED

1 HOUR RATED FIRE BARRIER

GENERAL NOTES



SCO ID # 22-23364-02A

NO REVISION DATE

JKF
ARCHITECTURE

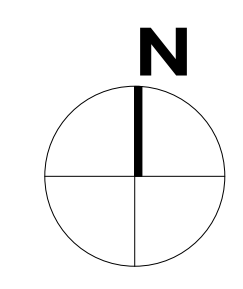
225 LYNDALE CT, SUITE F, GREENVILLE, NC 27808 252-355-1048

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KINSTON, NC

DRAWING TITLE
FIRST FLOOR PLAN - WEST
ARCHITECTURAL FINISHES

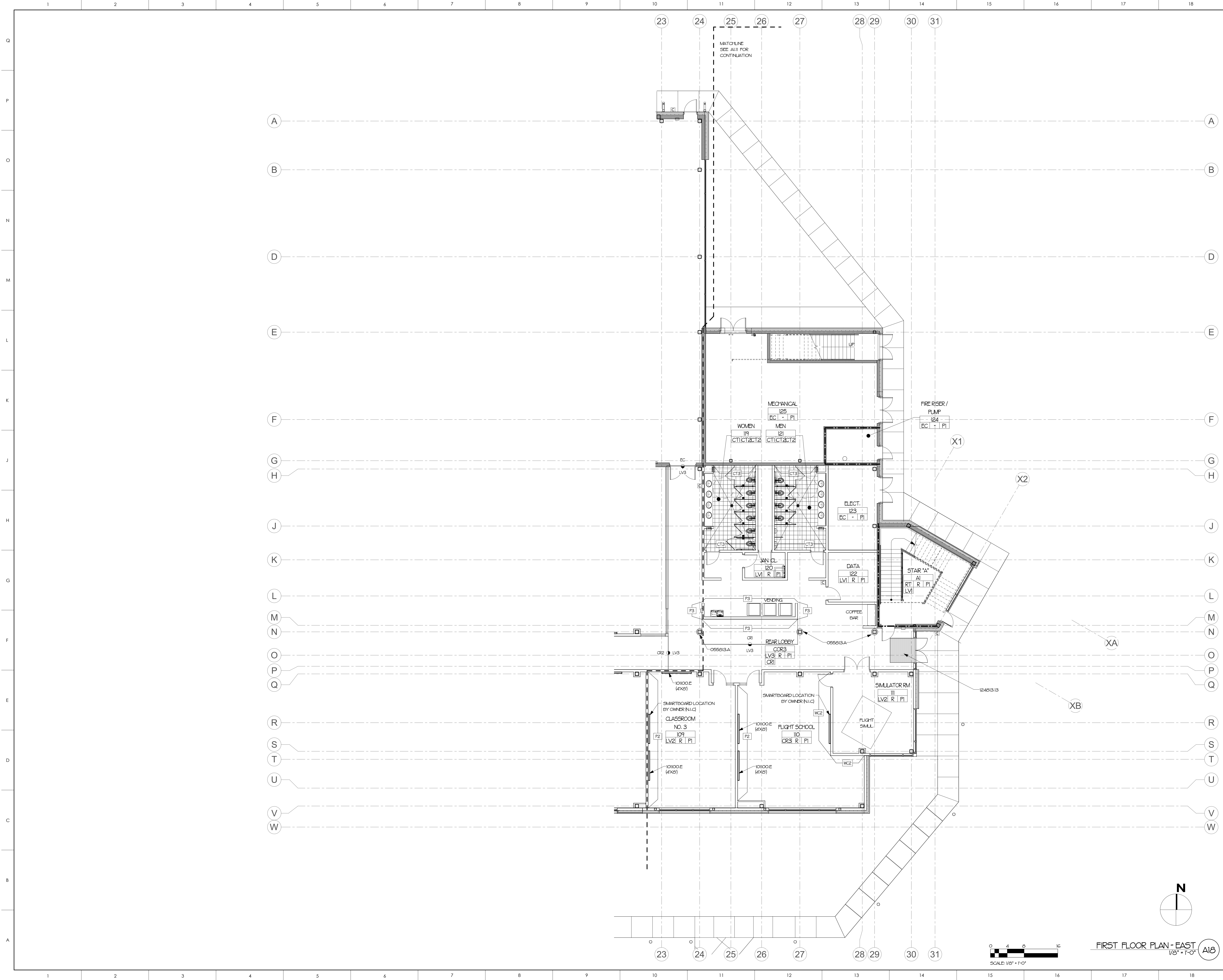
SCALE: 1/8" = 1'-0"

DATE: 2-28-2024
PROJECT NO: 2022-13



FIRST FLOOR PLAN - WEST
1/8" = 1'-0" A18

A9.11



MATERIALS KEYING LEGEND

055013.A	METAL COLUMN COVERS, 18" DIA.
101000.E	GLASS MARKER BOARD
124013.B	ENTRANCE FLOOR MATS

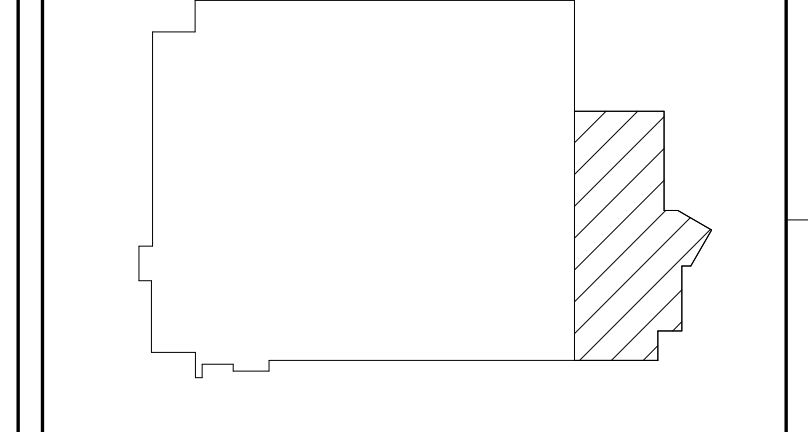
--- 1 HOUR RATED FIRE BARRIER

GENERAL NOTES

SCO ID # 22-25364-02A

NO	REVISION	DATE

KEY PLAN

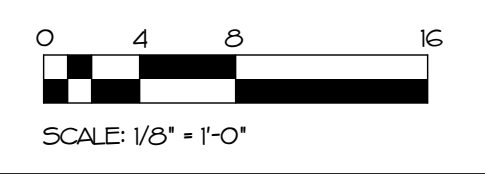


JOHN K. FARRELL ARCHITECTURE
 225 LYNDALE CT, SUITE F, GREENVILLE, NC 27838 252-355-1048
J K F
 ARCHITECTURE

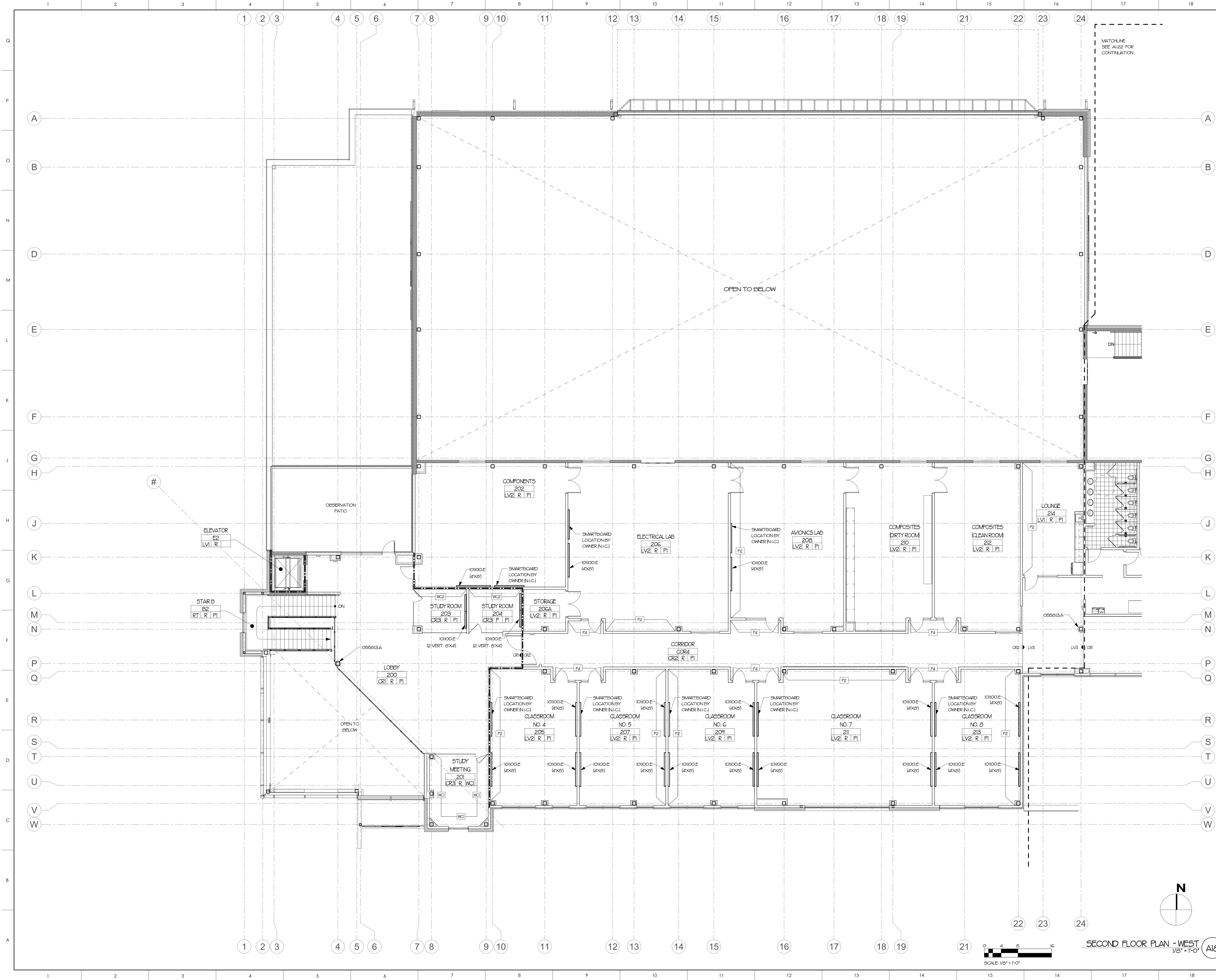
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 KINSTON, NC

FIRST FLOOR PLAN - EAST
ARCHITECTURAL FINISHES

SCALE	1/8" = 1'-0"
DRAWN	MED
CHECKED	JKF
DATE	2-28-2024
PROJECT NO.	2022-13



FIRST FLOOR PLAN - EAST
 1/8" = 1'-0" A18



MATERIALS KEYING LEGEND

055013.A	METAL COLUMN COVERS, 18" DIA.
10100.E	GLASS MARKER BOARD

MATCHLINE
SEE A122 FOR
CONTINUATION

DN

1-HOUR RATED FIRE BARRIER

GENERAL NOTES

KEY PLAN

SCO ID # 22-23364-02A

NO	REVISION	DATE

JKF
ARCHITECTURE

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KINSTON, NC

DRAWING TITLE
SECOND FLOOR PLAN - WEST
ARCHITECTURAL FINISHES

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

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

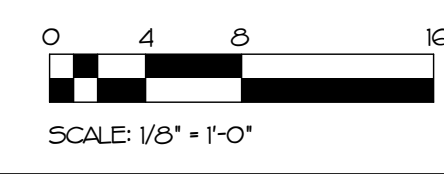
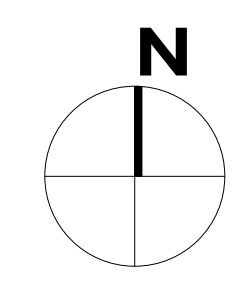
DATE: 2-28-2024

PROJECT NO: 2022-13

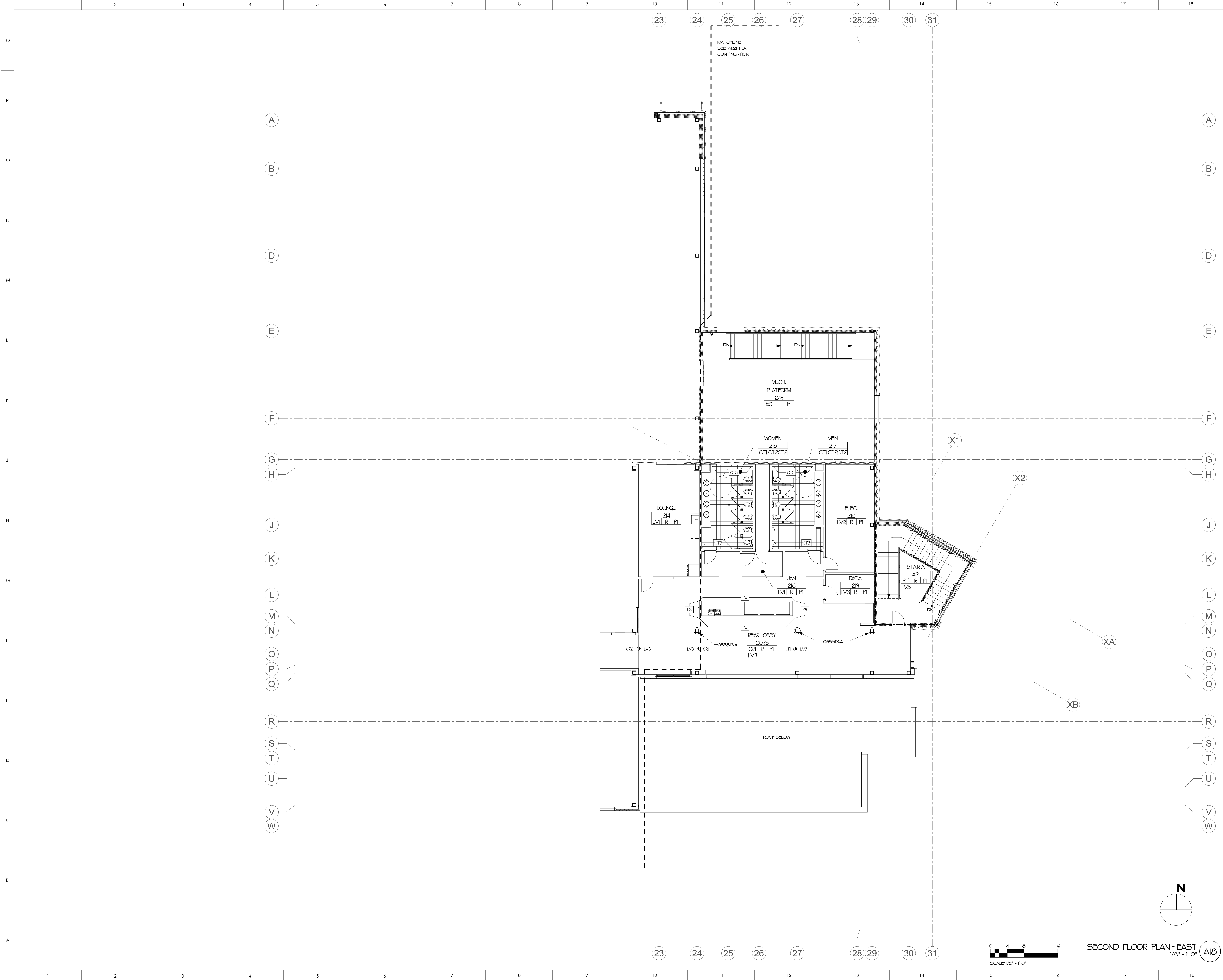
JKF
ARCHITECTURE

DATE: 2-28-2024

PROJECT NO: 2022-13



SECOND FLOOR PLAN - WEST
1/8" = 1'-0" (A18)



MATERIALS KEYING LEGEND

055013A METAL COLUMN COVERS, 18" DIA.

GENERAL NOTES

1 HOUR RATED FIRE BARRIER

KEY PLAN

SCO ID # 22-25364-02A

NO	REVISION	DATE

JOHN K. FARBER ARCHITECTURE

225 LYNDALE CT, SUITE F, GREENVILLE, NC 27838 252-355-1048

LENOIR COMMUNITY COLLEGE
NEW AVIATION CENTER FOR EXCELLENCE
 KINSTON, NC

SECOND FLOOR PLAN - EAST
ARCHITECTURAL FINISHES

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

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

DATE: 2-28-2024

PROJECT NO: 2022-13

A9.22

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GENERAL NOTES:

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

DESIGN LOADS:

Table with columns for RISK CATEGORY (III), LIVE LOADS (SLAB ON GRADE, LOBBY/CLASS ROOMS, AIR FRAME LAB/ STORAGE/ MECHANICAL, CLASSROOMS, OFFICES, LOBBIES, CORRIDORS ABOVE FIRST FLOOR, STAIRWAYS, ROOF, MECHANICAL SPACE), and LIVE LOAD REDUCTIONS APPLIES WHEN PERMITTED BY THE CODE.

GROUND SNOW LOAD: 10 PSF

WIND LOAD: ULTIMATE WIND SPEED 133 MPH (ASCE-7) EXPOSURE CATEGORY C

SEISMIC DESIGN CATEGORY: C RISK CATEGORY (TABLE 1604.5) III SPECTRAL RESPONSE ACCELERATION Sg 13.9%G SI 6.8%G SITE CLASSIFICATION (ASCE 7): E 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: REQUIRED

LATERAL DESIGN CONTROL: WIND LOADS

SOIL BEARING CAPACITIES: 3,000 PSF

GENERAL NOTES:

- 1. ALL WORK MUST 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... 3. VERIFY ALL DRAWINGS FOR COORDINATION BETWEEN TRADES... 4. SUBMIT SHOP DRAWINGS FOR APPROVAL BEFORE PROCEEDING WITH THE WORK... 5. UNDER NO CIRCUMSTANCES CAN THE REPRODUCTION OF CONTRACT DRAWINGS BE USED AS SHOP DRAWINGS... 6. PROVIDE ALL TEMPORARY GUYING AND BRACING REQUIRED TO ERECT AND HOLD THE STRUCTURE... 7. LOADING APPLIED TO THE STRUCTURE DURING THE PROCESS OF CONSTRUCTION MUST NOT EXCEED THE SAFE LOAD-CARRYING CAPACITY... 8. IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES... 9. THE DUTY OF THE ARCHITECT IN CONDUCTING CONSTRUCTION REVIEW... 10. TYPICAL DETAILS AND GENERAL NOTES APPLY TO ALL PARTS... 11. STRUCTURAL DRAWINGS SHOW ONLY THE BASIC STRUCTURAL FRAMING... 12. INFORM THE PROFESSIONAL OF RECORD IN WRITING OF ANY DEVIATION... 13. MECHANICAL UNIT WEIGHTS AND LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE.

FOUNDATION NOTES:

- 1. FOUNDATIONS FOR THIS STRUCTURE HAVE BEEN DESIGNED IN ACCORDANCE WITH THE RECOMMENDATIONS IN THE GEOTECHNICAL EXPLORATION REPORT... 2. PERFORM ALL EARTHWORK IN ACCORDANCE WITH THE SPECIFICATIONS. 3. THE ENTIRE STRUCTURE MUST BE FOUNDED ON VERY WELL COMPACTED STRUCTURAL FILL OR UNDISTURBED SOIL... 4. THE GENERAL CONTRACTOR MUST RETAIN A SPECIALTY CONTRACTOR TO IMPLEMENT GROUND IMPROVEMENTS... 5. PRIOR TO PLACING FOUNDATION CONCRETE, ALL FOUNDATION EXCAVATIONS MUST BE INSPECTED... 6. DO NOT INSTALL FOUNDATION WORK UNTIL IT HAS BEEN COORDINATED WITH ADJACENT UNDERGROUND UTILITIES... 7. FROST LINE DEPTH IS 12" BELOW GRADE.

CAST IN PLACE CONCRETE NOTES:

- 1. CAST IN PLACE CONCRETE MUST COMPLY WITH THE AMERICAN CONCRETE INSTITUTE (ACI- 318-14), COMMENTARY, (ACI-318R-14), 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 4,500 PSI B. SUPPORTED FLOOR SLABS 4,000 PSI C. FOUNDATIONS 4,000 PSI D. CONCRETE NOT OTHERWISE NOTED 3,000 PSI E. CONCRETE EXPOSED TO WEATHER MUST BE AIR ENTRAINED. 4. ALL REINFORCING MUST BE AS FOLLOWS: A. REINFORCING BARS - ASTM A615, 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. 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. 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: 3/4" FOR SLABS

CONCRETE MASONRY NOTES:

- 1. MASONRY CONSTRUCTION MUST COMPLY WITH THE MASONRY SOCIETY "BUILDING CODE FOR MASONRY STRUCTURES" (TMS 402-2013) AND "SPECIFICATION FOR MASONRY STRUCTURES" (TMS 602-2013). 2. CONCRETE MASONRY UNITS MUST CONFORM TO ASTM C90 AND BE MADE WITH LIGHTWEIGHT AGGREGATE. 3. MORTAR MUST CONFORM TO ASTM C270, TYPE S. 4. GROUT MUST CONFORM TO ASTM C476 AND MUST HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2,500 PSI. 5. ALL REINFORCING BARS MUST CONFORM TO ASTM A615, GRADE 60. 6. REBAR DOWELS MUST BE THE SAME SIZE AND SPACING AS VERTICAL REINFORCING FROM FOUNDATION. 7. PROVIDE BAR POSITIONERS FOR VERTICAL REINFORCING AT A MAXIMUM SPACING OF 200 BAR DIAMETERS. 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 CELLS SOLID BELOW FINISHED FIRST FLOOR. 11. HORIZONTAL JOINT REINFORCING MUST BE STANDARD 9 GAGE LADDER TYPE IN CMU WALLS AT 16" ON-CENTER. 12. DISCONTINUE ALL HORIZONTAL REINFORCING AT CONTROL JOINTS EXCEPT FOR BOND BEAMS AT JOIST BEARING ELEVATIONS.

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. 3. TRACKS MUST BE 600T150-54 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 3/8") 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. 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. 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. 9. PROVIDE TEMPORARY BRACING AND GUYING OF COLD FORMED STEEL FRAMING FOR THE SAFETY OF THE STRUCTURE AND WORK PERSONNEL. 10. ALL CONNECTION SCREWS SHALL BE ZINC COATED (JON).

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. 2. ALL EXPOSED STRUCTURAL STEEL IN THE LOBBY AND AIR FRAME LAB MUST MEET THE REQUIREMENTS OF AESS. 3. FABRICATE ALL AESS MEMBERS WITH EXPOSED SURFACES SMOOTH, SQUARE, AND FREE OF SURFACE BLEMISHES. 4. GRIND SMOOTH SURFACES AND SEAMS OF HOLLOW HSS MEMBERS. 5. PROVIDE WELDS OF UNIFORM SIZE AND PROFILE. 6. WELD ALL HOLLOW HSS MEMBER TO MEMBER CONNECTIONS ALL AROUND AND GRIND SMOOTH. 7. SHAPE ANY MEMBERS SPECIFIED TO BE ROLLED IN A FINAL CURVED SHAPE IN THE SHOP AND SECURED DURING SHIPPING TO PREVENT STRESS RELIEVING. 8. VERIFY THAT WELD SIZES, FABRICATION SEQUENCE, AND EQUIPMENT USED WILL LIMIT THE DISTORTIONS TO ALLOWABLE TOLERANCES.

STRUCTURAL STEEL NOTES:

- 1. STRUCTURAL STEEL MUST COMPLY WITH THE FOURTEENTH EDITION OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC 360-10) "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 B C. ROUND HSS - ASTM A500 GRADE B D. ANCHOR RODS - ASTM F1554, GRADE 55 E. HIGH STRENGTH BOLTS - ASTM A325 F. HEADED STUDS - ASTM A108, GRADES 1015 THRU 1020, TYPE B, Fu=65 KSI G. ALL OTHER STEEL SHAPES - ASTM A36, UNLESS OTHERWISE NOTED. 3. UNLESS OTHERWISE NOTED, ALL CONNECTIONS MUST BE STANDARD SHEAR BEAM CONNECTIONS. 4. UNLESS OTHERWISE NOTED WELD ALL SHOP CONNECTIONS AND BOLT ALL FIELD CONNECTIONS. 5. SHOW ALL HOLES REQUIRED IN STRUCTURAL STEEL MEMBERS FOR PIPING ON THE SHOP DRAWINGS AND MAKE THEM IN THE SHOP. 6. WELDING MUST COMPLY WITH THE "STRUCTURAL WELDING CODE - STEEL" (AWS D1.1). 7. INSTALL SHEAR CONNECTORS IN THE FIELD TO BEAM TOP FLANGES USING AN AUTOMATIC END WELDING OF SHEAR STUDS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. 8. THE SUPPORTED FLOORS FOR THIS STRUCTURE HAVE BEEN DESIGNED IN ACCORDANCE WITH THE AISC SPECIFICATIONS FOR UNSHORED PARTIAL COMPOSITE CONSTRUCTION. 9. REFER TO THE ARCHITECTURAL, CIVIL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR ADDITIONAL STEEL (IF ANY) NOT SHOWN ON THE STRUCTURAL DRAWINGS. 10. UNLESS OTHERWISE NOTED, THE TOP OF ALL STEEL COLUMNS MUST HAVE A STEEL CAP PLATE. 11. ALL SHELF ANGLES, LINTEL ANGLES, AND OTHER ITEMS MARKED "GALVANIZED" MUST BE GALVANIZED IN ACCORDANCE TO ASTM A123 OR ASTM A153.

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: A. ON STEEL - 'K' SERIES = 2 1/2" B. ON STEEL - 'LH' SERIES = 6" C. ON MASONRY - AS DETAILED. 3. WELD ALL STEEL JOISTS WHEREVER THEY BEAR ON STRUCTURAL STEEL MEMBERS. 4. PREPARE AND SUBMIT SHOP DRAWINGS INDICATING THE JOIST LAYOUT, SPECIAL CONNECTIONS, AND ACCESSORIES. 5. THE JOIST MANUFACTURER IS RESPONSIBLE FOR CONTINUOUS JOIST BRIDGING LINES SATISFYING THE REQUIREMENTS OF THE SJI. 6. REFER TO DESIGN NOTES FOR NET UPLIFT LOAD ON ROOF JOISTS. 7. INSTALL JOIST BRIDGING AND CONNECTIONS COMPLETELY PRIOR TO PLACING ANY CONSTRUCTION LOADS ON THE JOISTS. 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 5/8" DIAMETER ARC SPOT WELDS IN ALL RIBS WHERE SIDELAPS OCCUR AND AT 12 INCHES ON CENTER ALONG SUPPORTS. 3. ATTACH COMPOSITE FLOOR DECK TO SUPPORTS WITH 5/8" DIAMETER PUDDLE WELDS AT EVERY RIB INCLUDING RIBS WHERE SIDELAPS OCCUR. 4. AS AN ALTERNATIVE TO ARC SPOT WELDS, MECHANICAL FASTENERS MAY BE USED. 5. SPAN DECK PERPENDICULAR TO SUPPORTS, CONTINUOUS OVER A MINIMUM OF THREE SPANS. 6. SHEAR CONNECTORS FOR COMPOSITE FLOOR SYSTEMS MUST BE 3/4" DIAMETER BY 3 1/2" LONG HEADED STUDS, CONFORMING TO ASTM A108 GRADES 1015 THROUGH 1020, TYPE B, Fu = 65 KSI. 7. WELDING MUST BE IN ACCORDANCE WITH AWS D1.3, "STRUCTURAL WELDING CODE - SHEET STEEL". 8. PROVIDE SUPPORTS ON ALL SIDES OF DECK OPENINGS MEASURING GREATER THAN 12' ON ANY SIDE OF OPENING. 9. DO NOT HANG OR SUPPORT ANY PERMANENT LOADS FROM METAL ROOF DECK. 10. DO NOT HANG ANY PERMANENT POINT LOADS FROM ELEVATED CONCRETE SLAB. 11. DURING STEEL DECK ERECTION DISTRIBUTE CONSTRUCTION LOADS TO PREVENT DAMAGE TO DECK. 12. DURING POURING OF CONCRETE OVER FLOOR FORM DECKS TAKE CARE TO AVOID EXCESSIVE CONCRETE HEAPING.



MATERIALS KEYING LEGEND

Table with columns for NO, REVISION, DATE. Includes a signature block for Kevin M. Rowsburg, Engineer, dated 4-11-2024.

GENERAL NOTES

Table with columns for NO, REVISION, DATE. Includes a signature block for Kevin M. Rowsburg, Engineer, dated 4-11-2024.

KEY PLAN

Table with columns for NO, REVISION, DATE. Includes a signature block for Kevin M. Rowsburg, Engineer, dated 4-11-2024.



LENOIR COMMUNITY COLLEGE NEW AVIATION CENTER FOR EXCELLENCE KINSTON, NC

GENERAL NOTES

Table with columns for SCALE (AS INDICATED), DRAWN (JSS), CHECKED (KMR), DATE (2-28-2024), PROJECT NO. (2022-18). Includes a large 'S0.1' label.

DESIGN CRITERIA NOTES:

- LOADS USED IN THE DESIGN OF THIS STRUCTURE ARE AS FOLLOWS:
- MINIMAL UNIFORM LIVE LOADS:
 SLAB ON GRADE:
 LOBBY/CLASS ROOMS/OFFICE 100 PSF
 AIR FRAME LAB/ STORAGE/ MECHANICAL 250 PSF
 SUPPORTED FLOOR:
 CLASSROOMS 40 PSF
 (OFFICES (PLUS 15 PSF PARTITION ALLOWANCE)
 OFFICES 50 PSF
 (OFFICES (PLUS 15 PSF PARTITION ALLOWANCE)
 LOBBIES 100 PSF
 CORRIDORS ABOVE FIRST FLOOR 80 PSF
 STAIRWAYS 100 PSF
 ROOF 20 PSF
 MECHANICAL SPACE 125 PSF

LIVE LOAD REDUCTIONS APPLIES WHEN PERMITTED BY THE CODE

- CONCENTRATED LIVE LOADS:
 FLOOR: 2000# CONCENTRATED LOAD OVER 2.5 FT X 2.5 FT AREA
 CONCENTRATED LIVE LOAD IS NOT CONCURRENT WITH UNIFORM LIVE LOAD

- ROOF SNOW LOADS:
 GROUND SNOW LOAD $P_g = 10$ PSF
 SNOW EXPOSURE FACTOR $C_e = 1.0$
 SNOW LOAD IMPORTANCE FACTOR $I = 1.1$
 THERMAL FACTOR $C_t = 1.0$
 FLAT ROOF SNOW LOAD: $P_f = 7.7$ PSF
 RAIN ON SNOW SURCHARGE LOAD = 5 PSF
 MINIMUM SNOW LOAD: $P_m = 11$ PSF

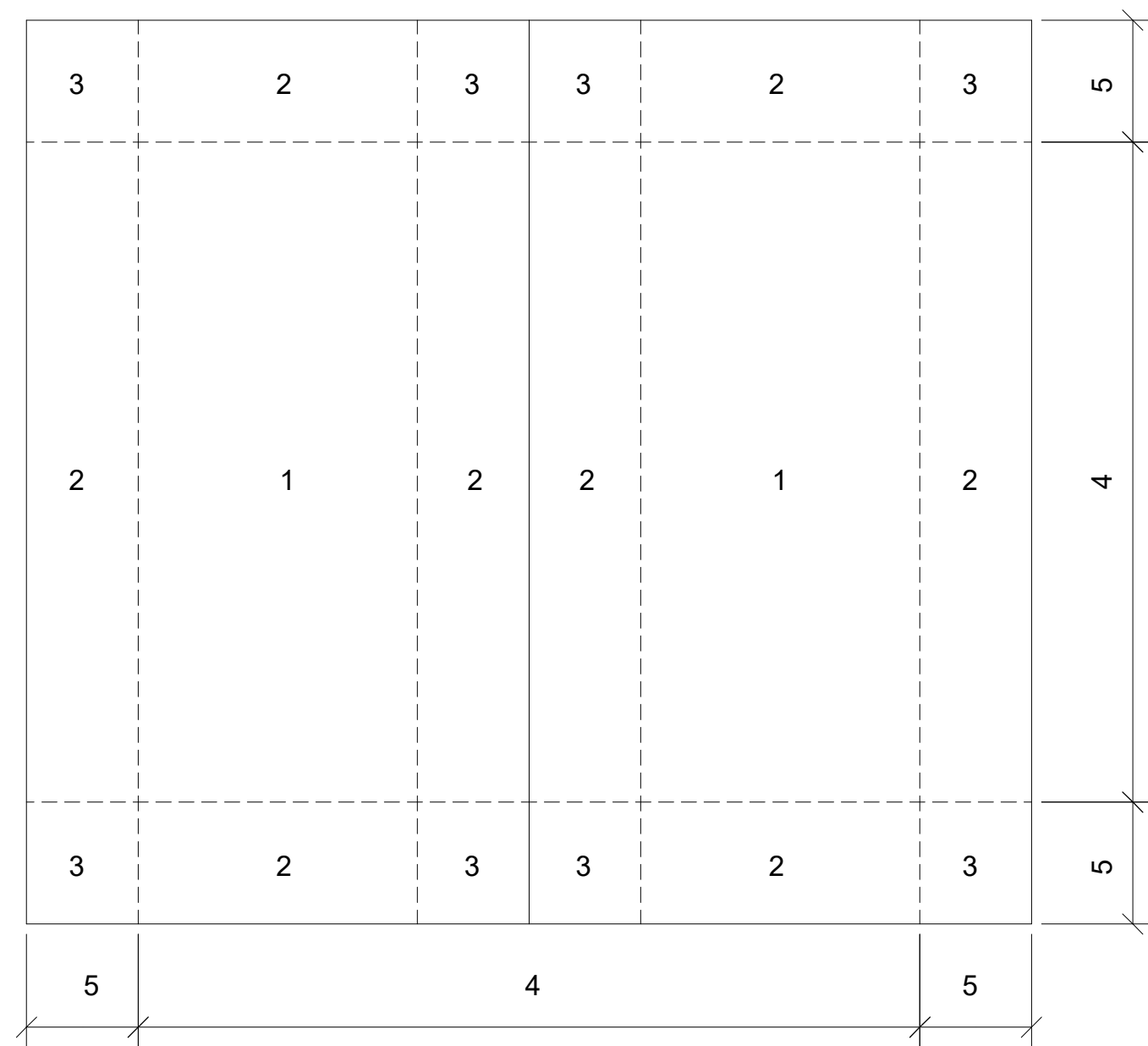
- WIND LOADS:
 RISK CATEGORY = III
 ULTIMATE WIND SPEED = 133 MPH
 NOMINAL WIND SPEED (ASD) = 103 MPH
 EXPOSURE CATEGORY (MAIN WINDFORCE-RESISTING SYSTEM): C
 EXPOSURE CATEGORY (COMPONENTS AND CLADDING): C
 INTERNAL PRESSURE COEFFICIENT: +/- 0.18 (ENCLOSED)

WIND LOADING DESIGN CRITERIA CONTROLS BUILDING DESIGN

COMPONENTS AND CLADDING: WIND PRESSURE TO BE USED FOR DESIGN OF EXTERIOR COMPONENTS AND CLADDING MATERIALS NOT SPECIFICALLY DESIGNED ON THESE DRAWINGS MUST BE PER TABLE BELOW:

COMPONENTS AND CLADDING WIND PRESSURES																
AREA (SF)	ROOF ZONES						OVERHANG ZONES			WALL ZONES				PARAPET		
	1	2	3	2	3	4	2	3	4	5	INTERIOR	CORNER				
A<10	+22.7	-57.9	+22.7	-73.6	+22.7	-120.5	-86.1	-144.8	+46.2	-50.1	+46.2	-61.8	+103.3	-83.4	+155.0	-95.4
A≥100	+18.8	-50.1	+18.8	-54.0	+18.8	-85.3	-86.1	-97.8	+39.3	-43.2	+39.3	-48.0	+80.4	-69.4	+112.2	-74.3

COMPONENTS AND CLADDING ULTIMATE WIND PRESSURES
 INTERPOLATE BETWEEN AREAS INDICATED.
 CORNER ZONES EQUAL 14.5 FEET.
 REFER TO SKETCH BELOW FOR ZONE DEFINITIONS.



ZONES

- SEISMIC LOADS:
 RISK CATEGORY III
 IMPORTANCE FACTOR $I = 1.25$
 $S_s = 139g$
 $S_1 = .068g$
 SOIL SITE CLASS E
 $S_{0.5} = 0.232$
 $S_{d1} = 0.159$
 SEISMIC DESIGN CATEGORY C
 BASIC SEISMIC FORCE RESISTING SYSTEM: STRUCTURAL STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE
 RESPONSE MODIFICATION FACTOR, $R=3$
 SEISMIC RESPONSE COEFFICIENT, $C_s = 0.097$
 DESIGN BASE SHEAR: 0.097W = 209 KIPS
 ANALYSIS PROCEDURE USED: EQUIVALENT LATERAL FORCE

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 THESE ITEMS IN THE STRUCTURAL NOTES, PLANS, AND DETAILS.
- STRUCTURAL DEFERRED SUBMITTALS ARE COMPLETE PACKAGES TO BE SUBMITTED FOR REVIEW THAT INCLUDE DRAWINGS AND CALCULATIONS FOR ALL DELEGATED DESIGN ITEMS AND THEIR CONNECTIONS. DEFERRED SUBMITTALS SHALL BEAR THE STAMP AND SIGNATURE OF THE DESIGN PROFESSIONAL REGISTERED IN THE STATE OF NORTH CAROLINA 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 FORCES SHOWN. BEAM REACTIONS ARE SHOWN ON FRAMING PLANS.
- STEEL FRAMED STAIRS AND RAILINGS
- CURTAIN WALL SYSTEM
- GEOCONCRETE COLUMN FOUNDATION SYSTEM GROUND IMPROVEMENTS. MUST INCLUDE, BUT NOT LIMITED TO, COLUMN LAYOUT AND SPACING, COLUMN SIZE AND COLUMN DEPTH TO OBTAIN DESIGN ALLOWABLE SOIL BEARING PRESSURE AND MAXIMUM ALLOWABLE SETTLEMENT UNDER STRUCTURAL FOUNDATIONS.
- OPEN WEB STEEL JOISTS, BRIDGING, BRACING, CONNECTIONS, AND RELATED COMPONENTS.
- INCLUDE SIGNED SEALS FOR WORK DESIGNED BY THE DELEGATED ENGINEER REGISTERED IN THE STATE OF NORTH CAROLINA.
- DO NOT START FABRICATION OF THE DELEGATED SYSTEM OR COMPONENT PART OR FIELD CONSTRUCTION THAT MAY BE AFFECTED BY THE SYSTEM OR COMPONENT PART WITHOUT SUBMITTAL REVIEW BY THE STRUCTURAL ENGINEER OF RECORD.

STRUCTURAL ABBREVIATIONS LIST

AB	ANCHOR BOLT
ALT	ALTERNATE
ARCH	ARCHITECT, ARCHITECTURAL
BLDG	BUILDING
BOTT	BOTTOM
BRDG	BRIDGING
BRG	BRACING
CMU	CONCRETE MASONRY UNIT
CJ	CONTROL JOINT
CLR	CLEAR
COL	COLUMN
CONC	CONCRETE
COND	CONDITION
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
DIA	DIAMETER
DIAG	DIAGONAL
DWG	DRAWING
DWGS	DRAWINGS
ELEC	ELECTRICAL
ELEV	ELEVATION
EXIST	EXISTING
EXP	EXPANSION
FOUND	FOUNDATION
FNDN	FOUNDATION
FOB	FACE OF BRICK
FTG	FOOTING
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
HORIZ	HORIZONTAL
HS	HIGH STRENGTH
HT	HEIGHT
INSUL	INSULATION
ISO	ISOLATION
L	ANGLE
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
MANUF	MANUFACTURED/MANUFACTURER
MAS	MASONRY
MAX	MAXIMUM
MECH	MECHANICAL
MIN	MINIMUM
OPG	OPENING
OPP	OPPOSITE
PJF	PREMOLDED JOINT FILLER
PL	PLATE
PSI	POUNDS PER SQUARE INCH
PSF	POUNDS PER SQUARE FOOT
REF	REFERENCE
REINF	REINFORCE, REINFORCING
REQ'D	REQUIRED
SCHED	SCHEDULE
SECT	SECTION
SF	STEPPED FOOTING
SJ	SAWED JOINT
SPECS	SPECIFICATIONS
STD	STANDARD
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
VERT	VERTICAL
WWF	WELDED WIRE FABRIC
W	WITH
WO	WITHOUT
CL	CENTERLINE
OC	ON CENTER
Ø	DIAMETER
°	DEGREES
±	PLUS OR MINUS

GENERAL NOTES

KEY PLAN

SCO ID # 22-25364-01A

NO REVISION DATE



J K F
 ARCHITECTURE

625 LYNDALE CT, SUITE F, GREENVILLE, NC 27838 252-355-1068

LENOIR COMMUNITY COLLEGE
 NEW AVIATION CENTER FOR EXCELLENCE
 KINSTON, NC

DRAWING TITLE

GENERAL NOTES AND ABBREVIATIONS

SCALE AS INDICATED

DRAWN JSS

CHECKED KMR

DATE 2-28-2024

PROJECT NO. 2022-18

S0.2

PLAN NOTES:

- DATUM FOR ALL ELEVATIONS GIVEN ON THIS PLAN IS FINISHED FIRST FLOOR ELEVATION = 0'-0". REFER TO CIVIL DRAWINGS FOR ACTUAL ELEVATION.
- TOP OF CONCRETE SLAB IS AT +0'-0" UNLESS OTHERWISE INDICATED THUS (-) ON PLAN. FOR EXTENT OF DEPRESSION, REFER TO ARCH. DWGS.
- UNLESS OTHERWISE NOTED PROVIDE 6" CONCRETE SLAB ON GRADE ON 15 MIL VAPOR RETARDER OVER 4" POROUS FILL MATERIAL. REINFORCE SLAB WITH 6 x 6 - W2.9 x W2.9 W.W.F. PLACED 1 1/2" CLEAR FROM TOP OF SLAB.
- UNLESS OTHERWISE NOTED THUS (-) ON PLAN, TOP OF ALL WALL AND COLUMN FOOTINGS SHALL BE AT ELEVATION -1'-4", INDICATING DISTANCE BELOW DATUM.
- THE SYMBOL CJ INDICATES SLAB CONTROL JOINT, AND MAY BE A CONSTRUCTION JOINT OR SAW JOINT. REFER TO TYPICAL SLAB CONTROL JOINT DETAILS ON SHEET S5.1.
- APPROXIMATE LOCATIONS OF UTILITIES THROUGH THE BUILDING ARE SHOWN ON PLAN. COORDINATE EXACT LOCATIONS WITH CIVIL AND PLUMBING DRAWINGS. COORDINATE TOP OF ALL FOOTINGS WITH UTILITIES. FOOTINGS MAY BE STEPPED OR A PIPE SLEEVE BELOW FOOTING MAY BE PROVIDED. REFER TO TYPICAL DETAILS FOR ADDITIONAL INFORMATION.
- COLUMNS ARE DESIGNATED (CX) ON PLAN. REFER TO COLUMN SCHEDULE ON SHEET S5.1 FOR COLUMN AND BASE PLATE DETAILS.
- WALL FOOTINGS ARE WF2.5 UNLESS OTHERWISE NOTED. FOR COLUMN FOOTING SCHEDULE AND WALL FOOTING SCHEDULE, REFER TO SHEET S5.1. WALL FOOTINGS ARE INDICATED (WF.X) AND COLUMN FOOTINGS ARE INDICATED (FX.X).
- FOR TYPICAL DETAILS REFER TO SHEETS S5.1, S5.2, S5.3 AND S5.4.
- FOR GENERAL NOTES REFER TO SHEETS S0.1 AND S0.2.

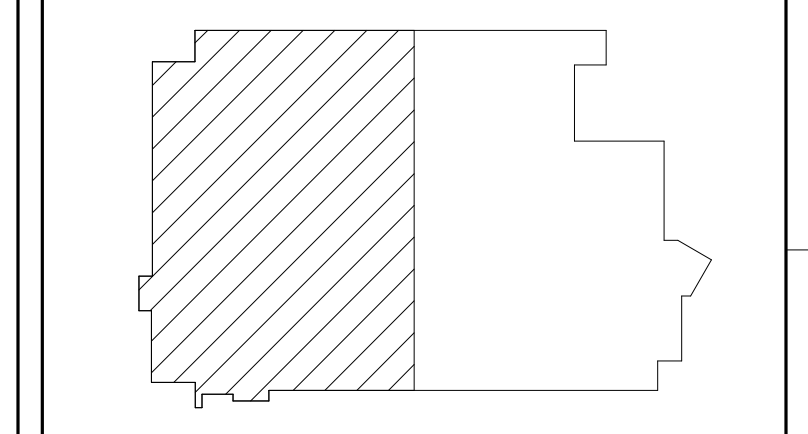
KEY NOTES: [X]

- BRACED BAY, REFER TO BRACED FRAME ELEVATIONS ON S2.1.
- DEPRESS SLAB AT ENTRY MAT, REFER TO ARCH DWGS FOR EXACT SIZE AND LOCATION. REFER TO TYPICAL DEPRESSED SLAB DETAIL ON S5.1.
- FOR ELEVATOR PIT DETAILS REFER TO S5.1.
- FOR COLUMNS BASE PLATE, REFER TO TWO COLUMNS BASE PLATE DETAIL 'TYPE A' ON S5.1.
- PROVIDE 4" CONCRETE SLAB ON GRADE ON 15 MIL VAPOR RETARDER OVER 4" POROUS FILL MATERIAL. REINFORCE SLAB WITH 6 x 6 - W2.9 x W2.9 W.W.F. PLACED 1 1/2" CLEAR FROM TOP OF SLAB.
- DEPRESS SLAB -3/4" FOR TERRAZZO TILE, REFER TO ARCH DWGS FOR EXACT SIZE AND LOCATION. REFER TO TYPICAL DEPRESSED SLAB DETAIL ON S5.1.
- TRENCH DRAIN, REFER TO ARCH AND PLUMBING DRAWINGS FOR EXACT SIZE AND LOCATION.
- HSS12X10X1/2 HANGAR DOOR JAMB.
- FOR COLUMNS BASE PLATE, REFER TO BRACE FRAME BASE PLATE DETAIL 'TYPE A' ON S5.1.
- COLUMNS BASE PLATE SIMILAR TO BRACE FRAME BASE PLATE DETAIL 'TYPE A' ON S5.1.
- FOR COLUMNS BASE PLATE, REFER TO BRACE FRAME BASE PLATE DETAIL 'TYPE B' ON S5.1.

GENERAL NOTES

- BRACED BAY, REFER TO BRACED FRAME ELEVATIONS ON S2.1.
- DEPRESS SLAB AT ENTRY MAT, REFER TO ARCH DWGS FOR EXACT SIZE AND LOCATION. REFER TO TYPICAL DEPRESSED SLAB DETAIL ON S5.1.
- FOR ELEVATOR PIT DETAILS REFER TO S5.1.
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- DEPRESS SLAB -3/4" FOR TERRAZZO TILE, REFER TO ARCH DWGS FOR EXACT SIZE AND LOCATION. REFER TO TYPICAL DEPRESSED SLAB DETAIL ON S5.1.
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- FOR COLUMNS BASE PLATE, REFER TO BRACE FRAME BASE PLATE DETAIL 'TYPE B' ON S5.1.

KEY PLAN



SCO ID # 22-23364-01A

NO	REVISION	DATE

J K F
 ARCHITECTURE

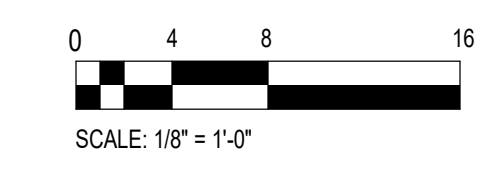
223 LYNNDALE CT, SUITE 6, GREENVILLE, NC 27608 252-355-1048

LENOIR COMMUNITY COLLEGE
 NEW AVIATION CENTER FOR EXCELLENCE
 KINSTON, NC

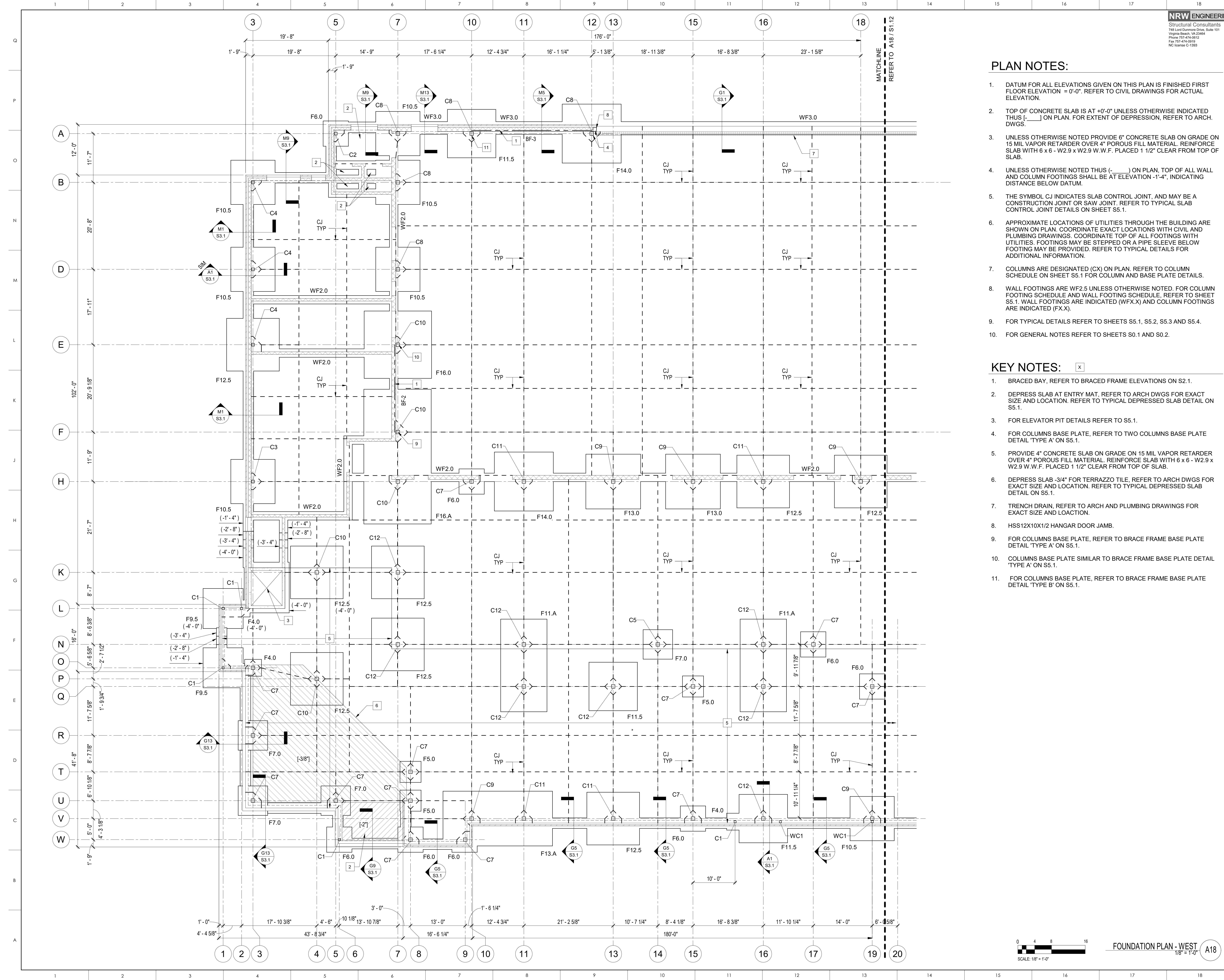
FOUNDATION PLAN - WEST

SCALE	AS INDICATED
DRAWN	JSS
CHECKED	KMR
DATE	2-28-2024
PROJECT NO.	2022-18

S1.11



FOUNDATION PLAN - WEST
 1/8" = 1'-0" A18



PLAN NOTES:

- DATUM FOR ALL ELEVATIONS GIVEN ON THIS PLAN IS FINISHED FIRST FLOOR ELEVATION = 0'-0". REFER TO CIVIL DRAWINGS FOR ACTUAL ELEVATION.
- TOP OF CONCRETE SLAB IS AT +0'-0" UNLESS OTHERWISE INDICATED THUS () ON PLAN. FOR EXTENT OF DEPRESSION, REFER TO ARCH. DWGS.
- UNLESS OTHERWISE NOTED PROVIDE 6" CONCRETE SLAB ON GRADE ON 15 MIL VAPOR RETARDER OVER 4" POROUS FILL MATERIAL. REINFORCE SLAB WITH 6 x 6 - W2.9 x W2.9 W.W.F. PLACED 1 1/2" CLEAR FROM TOP OF SLAB.
- UNLESS OTHERWISE NOTED THUS () ON PLAN, TOP OF ALL WALL AND COLUMN FOOTINGS SHALL BE AT ELEVATION -1'-4", INDICATING DISTANCE BELOW DATUM.
- THE SYMBOL CJ INDICATES SLAB CONTROL JOINT, AND MAY BE A CONSTRUCTION JOINT OR SAW JOINT. REFER TO TYPICAL SLAB CONTROL JOINT DETAILS ON SHEET S5.1.
- APPROXIMATE LOCATIONS OF UTILITIES THROUGH THE BUILDING ARE SHOWN ON PLAN. COORDINATE EXACT LOCATIONS WITH CIVIL AND PLUMBING DRAWINGS. COORDINATE TOP OF ALL FOOTINGS WITH UTILITIES. FOOTINGS MAY BE STEPPED OR A PIPE SLEEVE BELOW FOOTING MAY BE PROVIDED. REFER TO TYPICAL DETAILS FOR ADDITIONAL INFORMATION.
- COLUMNS ARE DESIGNATED (CX) ON PLAN. REFER TO COLUMN SCHEDULE ON SHEET S5.1 FOR COLUMN AND BASE PLATE DETAILS.
- WALL FOOTINGS ARE WF2.5 UNLESS OTHERWISE NOTED. FOR COLUMN FOOTING SCHEDULE AND WALL FOOTING SCHEDULE, REFER TO SHEET S5.1. WALL FOOTINGS ARE INDICATED (WFX.X) AND COLUMN FOOTINGS ARE INDICATED (FX.X).
- FOR TYPICAL DETAILS REFER TO SHEETS S5.1, S5.2, AND S5.3.
- FOR GENERAL NOTES REFER TO SHEETS S0.1 AND S0.2.

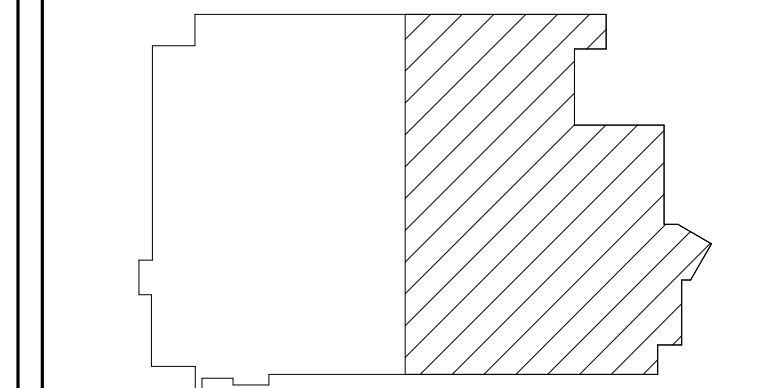
KEY NOTES: [X]

- BRACED BAY, REFER TO BRACED FRAME ELEVATIONS ON S2.1.
- DEPRESS SLAB AT ENTRY MAT, REFER TO ARCH DWGS FOR EXACT SIZE AND LOCATION. REFER TO TYPICAL DEPRESSED SLAB DETAIL ON S5.1.
- TRENCH DRAIN, REFER TO ARCH AND PLUMBING DWGS FOR EXACT SIZE AND LOCATION.
- FOR COLUMNS BASE PLATE, REFER TO TWO COLUMNS BASE PLATE DETAIL 'TYPE B' ON S5.1.
- PROVIDE 4" CONCRETE SLAB ON GRADE ON 15 MIL VAPOR RETARDER OVER 4" POROUS FILL MATERIAL. REINFORCE SLAB WITH 6 x 6 - W2.9 x W2.9 W.W.F. PLACED 1 1/2" CLEAR FROM TOP OF SLAB.
- SLOPE TO DRAIN IN ROOMS WHERE THEY OCCUR, REFER TO ARCH AND PLUMBING DWGS.
- HSS12X10X1/2 HANGAR DOOR JAMB.
- STEP FOOTING AS REQUIRED AT UTILITY LINES ENTERING THE BUILDING. REFER TO STEPPED FOOTING DETAIL ON S5.1.
- 8000 LB MECH UNIT. REFER TO MECHANICAL DRAWINGS AND TYPICAL EQUIPMENT PAD DETAIL ON S5.1.
- 6800 LB MECH UNIT. REFER TO MECHANICAL DRAWINGS.
- FOR COLUMNS BASE PLATE, REFER TO BRACE FRAME BASE PLATE DETAIL 'TYPE A' ON S5.1.
- COLUMNS BASE PLATE SIMILAR TO BRACE FRAME BASE PLATE DETAIL 'TYPE A' ON S5.1.

GENERAL NOTES

- BRACED BAY, REFER TO BRACED FRAME ELEVATIONS ON S2.1.
- DEPRESS SLAB AT ENTRY MAT, REFER TO ARCH DWGS FOR EXACT SIZE AND LOCATION. REFER TO TYPICAL DEPRESSED SLAB DETAIL ON S5.1.
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KEY PLAN



SCO ID # 22-25364-01A

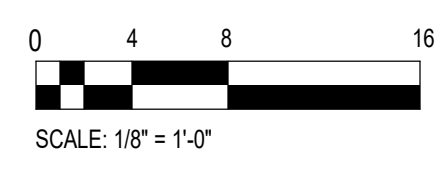
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LENOR COMMUNITY COLLEGE
 NEW AVIATION CENTER FOR EXCELLENCE
 KINSTON, NC

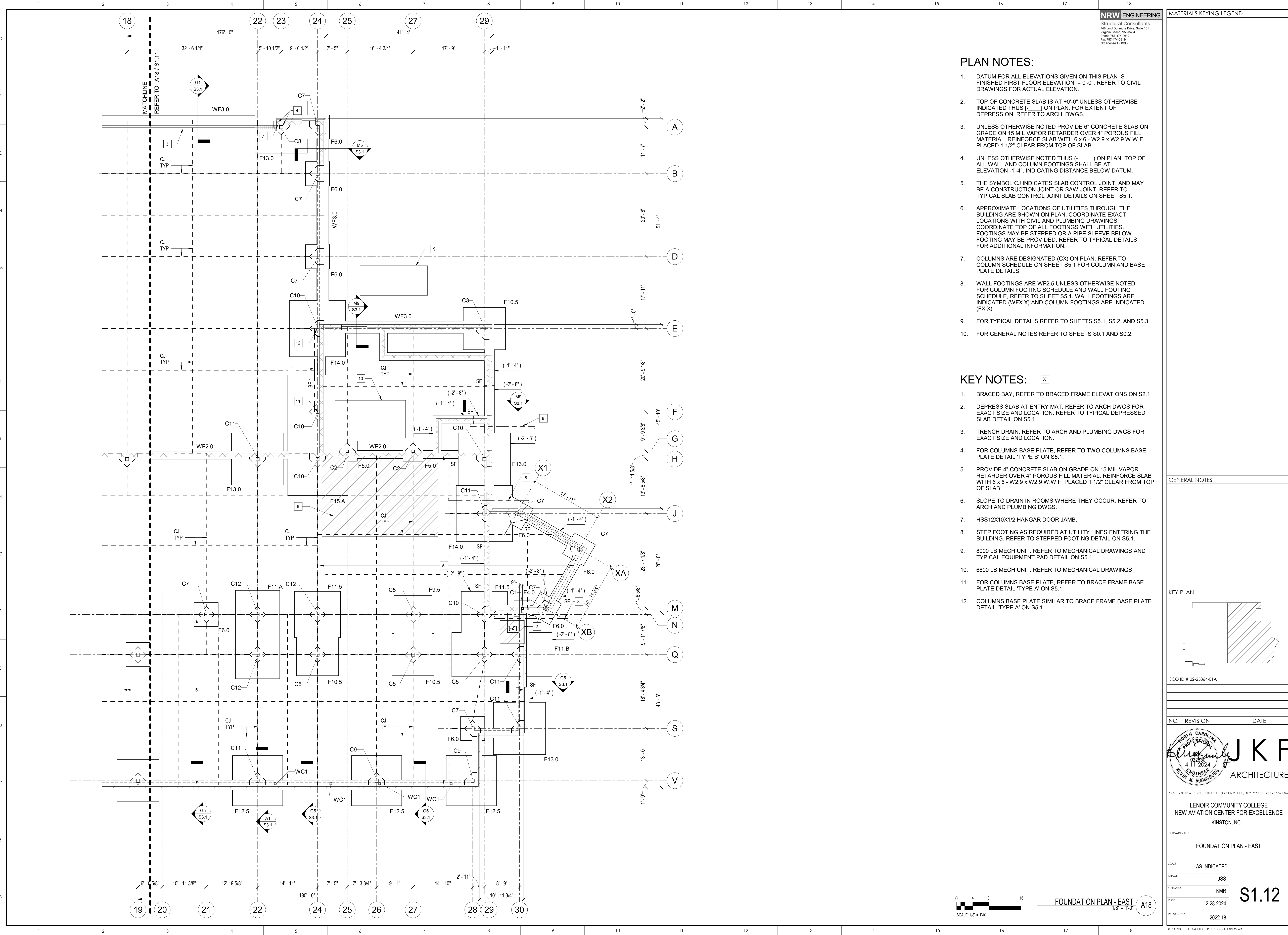
FOUNDATION PLAN - EAST

SCALE	AS INDICATED
DRAWN	JSS
CHECKED	KMR
DATE	2-28-2024
PROJECT NO.	2022-18

S1.12



FOUNDATION PLAN - EAST
 1/8" = 1'-0" A18



PLAN NOTES:

- DATUM FOR ALL ELEVATIONS GIVEN ON THIS PLAN IS FINISHED FIRST FLOOR ELEVATION = 0'-0". REFER TO CIVIL DRAWINGS FOR ACTUAL FINISHED FLOOR ELEVATION.
- TOP OF STEEL BEAM ELEVATIONS SHALL BE AT (+15'-7") ABOVE DATUM UNLESS OTHERWISE INDICATED THUS (+) ON PLAN.
- LOW ROOF CONSTRUCTION IS 1-1/2" DEEP, 20 GA. TYPE 'B' STEEL ROOF DECK SUPPORTED ON OPEN WEB STEEL JOIST ON STEEL BEAMS.
- FOR LOCATION AND DIMENSIONS OF FLOOR/ROOF OPENINGS REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS.
- UNLESS OTHERWISE NOTED, SECOND FLOOR SLAB IS A COMPOSITE FLOOR SYSTEM CONSISTING OF A 5 INCH THICK NORMAL WEIGHT CONCRETE SLAB ON 2" DEEP, 20 GAGE GALVANIZED COMPOSITE STEEL DECK (5 INCH TOTAL THICKNESS). CONCRETE SLAB SHALL BE REINFORCED W/ 6x6 -W2.9XW2.9 WELDED WIRE FABRIC LOCATED 1-1/2" FROM TOP OF SLAB. DESIGN IS BASED ON UNSHORED CONSTRUCTION.
- CONCRETE SLAB SHALL BE POURED TO A LEVEL CONDITION. ASSUME MAXIMUM STEEL DEFLECTION WILL NOT EXCEED 1 INCH.
- COMPOSITE BEAM CONNECTION SHALL BE DESIGNED FOR THE REACTIONS SHOWN IN THE "COMPOSITE BEAM REACTIONS" SCHEDULE ON SHEET S5.4.
- FOR FLOOR OPENINGS, REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS. PROVIDE ANGLE 4" x 4" x 3/8" FRAMING AROUND ALL OPENINGS.
- FOR MOMENT CONNECTIONS INDICATED THUS () ON PLAN, REFER TO TYPICAL DETAILS ON SHEET S5.4.
- MECHANICAL UNITS SHALL BE SUPPORTED ON OR SUSPENDED FROM A MINIMUM OF 3 JOIST AND AT PANEL POINTS ONLY. PROVIDE STEEL SUB FRAMING IF REQUIRED.
- FOR COLUMN SIZE, REFER TO FOUNDATION PLAN.
- THE TERM (20) AS NOTE IN W18x35 (20) INDICATES THE TOTAL NUMBER OF 3/4" x 3 1/2" LONG HEADED STUDS WELDED TO THE TOP OF BEAM. STUDS SHALL BE EQUALLY SPACED UNLESS OTHERWISE NOTED.
- FOR TYPICAL DETAILS REFER TO SHEETS S5.1, S5.2, S5.3 AND S5.4.
- FOR GENERAL NOTES REFER TO SHEETS S0.1 AND S0.2.

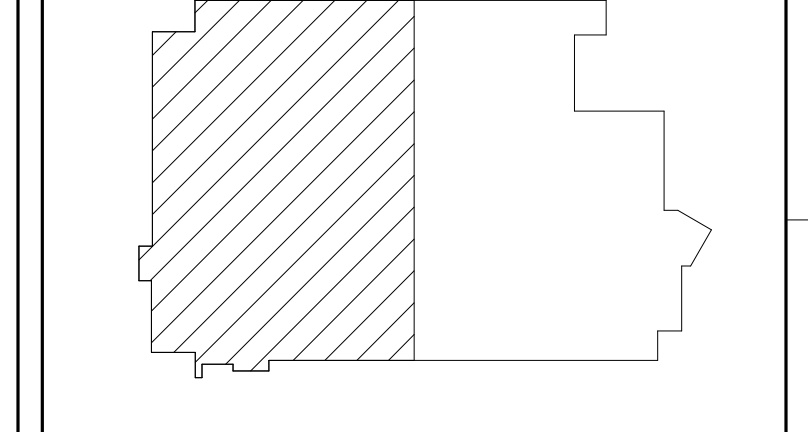
KEY NOTES:

- BRACED BAY, REFER TO BRACED FRAME ELEVATIONS ON S2.1.
- L 2 1/2 X 2 1/2 X 5/16 BOTTOM FLANGE BEAM BRACING FROM BEAM BOTTOM FLANGE TO JOIST TOP CHORD.
- STAIRS, REFER TO ARCH DWGS.
- HSS10X6X3/8 CANTILEVER BEAM.
- CANOPY ROOF CONSTRUCTION IS 3/4" PLYWOOD SHEATHING SUPPORTED BY 1000S200-54 AT 16" OC COLD FORMED ROOF JOIST (UON).
- HSS8X2X3/8 STEEL BEAM.
- ALL EXPOSED STEEL WITHIN THE LOBBY MUST MEET THE REQUIREMENTS OF AESS.
- FLOOR CONSTRUCTION IS CONCRETE PAVERS OVER RIGID INSULATION (REFER TO ARCH DWGS) ON 5 INCH THICK NORMAL WEIGHT CONCRETE SLAB ON 2" DEEP, 20 GAGE GALVANIZED COMPOSITE STEEL DECK (5 INCH TOTAL SLAB THICKNESS). CONCRETE SLAB SHALL BE REINFORCED W/ 6X6 -W2.9XW2.9 WELDED WIRE FABRIC LOCATED 1-1/2" FROM TOP OF SLAB.
- 800 LB MECH UNIT HUNG FROM STEEL ANGLES. REFER TO MECHANICAL DRAWINGS.
- L3X3X5/16 STEEL ANGLE BETWEEN JOIST TO HANG MECHANICAL UNIT. GC COORDINATE STEEL ANGLES LOCATION WITH MECHANICAL HANG POSTS.

GENERAL NOTES

- BRACED BAY, REFER TO BRACED FRAME ELEVATIONS ON S2.1.
- L 2 1/2 X 2 1/2 X 5/16 BOTTOM FLANGE BEAM BRACING FROM BEAM BOTTOM FLANGE TO JOIST TOP CHORD.
- STAIRS, REFER TO ARCH DWGS.
- HSS10X6X3/8 CANTILEVER BEAM.
- CANOPY ROOF CONSTRUCTION IS 3/4" PLYWOOD SHEATHING SUPPORTED BY 1000S200-54 AT 16" OC COLD FORMED ROOF JOIST (UON).
- HSS8X2X3/8 STEEL BEAM.
- ALL EXPOSED STEEL WITHIN THE LOBBY MUST MEET THE REQUIREMENTS OF AESS.
- FLOOR CONSTRUCTION IS CONCRETE PAVERS OVER RIGID INSULATION (REFER TO ARCH DWGS) ON 5 INCH THICK NORMAL WEIGHT CONCRETE SLAB ON 2" DEEP, 20 GAGE GALVANIZED COMPOSITE STEEL DECK (5 INCH TOTAL SLAB THICKNESS). CONCRETE SLAB SHALL BE REINFORCED W/ 6X6 -W2.9XW2.9 WELDED WIRE FABRIC LOCATED 1-1/2" FROM TOP OF SLAB.
- 800 LB MECH UNIT HUNG FROM STEEL ANGLES. REFER TO MECHANICAL DRAWINGS.
- L3X3X5/16 STEEL ANGLE BETWEEN JOIST TO HANG MECHANICAL UNIT. GC COORDINATE STEEL ANGLES LOCATION WITH MECHANICAL HANG POSTS.

KEY PLAN



SCO ID # 22-23364-01A

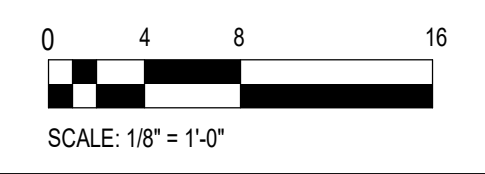
NO	REVISION	DATE

LENOIR COMMUNITY COLLEGE
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 KINSTON, NC

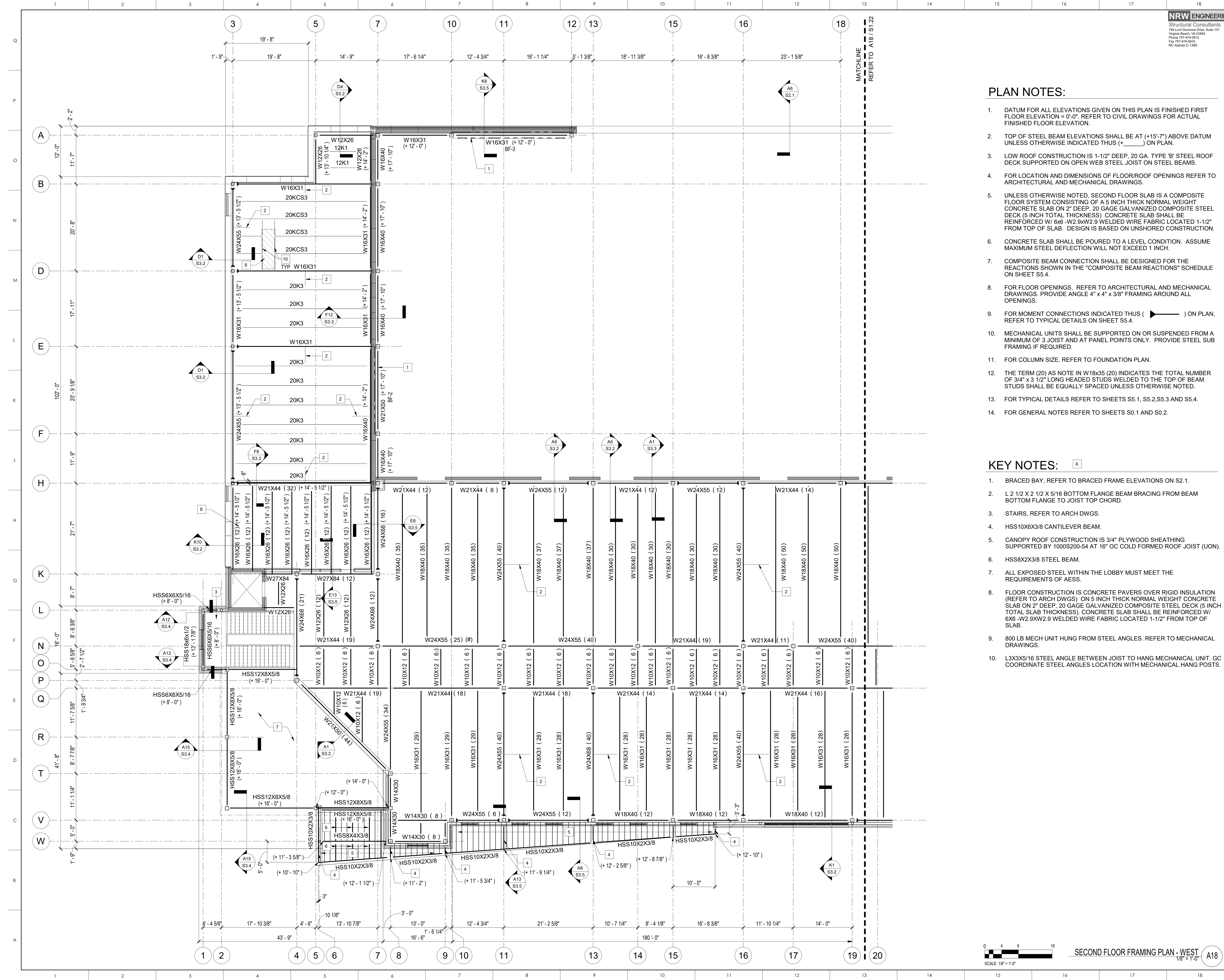
SECOND FLOOR FRAMING PLAN - WEST

SCALE	AS INDICATED
DRAWN	JSS
CHECKED	KMR
DATE	2-28-2024
PROJECT NO.	2022-18

S1.21



SECOND FLOOR FRAMING PLAN - WEST
 1/8" = 1'-0" A18



PLAN NOTES:

- DATUM FOR ALL ELEVATIONS GIVEN ON THIS PLAN IS FINISHED FIRST FLOOR ELEVATION = 0'-0". REFER TO CIVIL DRAWINGS FOR ACTUAL FINISHED FLOOR ELEVATION.
- TOP OF STEEL BEAM ELEVATIONS SHALL BE AT (+15'-7") ABOVE DATUM UNLESS OTHERWISE INDICATED THUS (+) ON PLAN.
- FOR LOCATION AND DIMENSIONS OF FLOOR/ROOF OPENINGS REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS.
- UNLESS OTHERWISE NOTED, SECOND FLOOR SLAB IS A COMPOSITE FLOOR SYSTEM CONSISTING OF A 5 INCH THICK NORMAL WEIGHT CONCRETE SLAB ON 2" DEEP, 20 GAUGE GALVANIZED COMPOSITE STEEL DECK (5 INCH TOTAL THICKNESS) CONCRETE SLAB SHALL BE REINFORCED W/ 6x6-W2.9xW2.9 WELDED WIRE FABRIC LOCATED 1-1/2" FROM TOP OF SLAB. DESIGN IS BASED ON UNSHORED CONSTRUCTION.
- CONCRETE SLAB SHALL BE POURED TO A LEVEL CONDITION. ASSUME MAXIMUM STEEL DEFLECTION WILL NOT EXCEED 1 INCH.
- COMPOSITE BEAM CONNECTION SHALL BE DESIGNED FOR THE REACTIONS SHOWN IN THE "COMPOSITE BEAM REACTIONS" SCHEDULE ON SHEET S5.2.
- FOR FLOOR OPENINGS, REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS. PROVIDE ANGLE 4" x 4" x 3/8" FRAMING AROUND ALL OPENINGS.
- FOR MOMENT CONNECTIONS INDICATED THUS () ON PLAN, REFER TO TYPICAL DETAILS ON SHEET S5.4.
- MECHANICAL UNITS SHALL BE SUPPORTED ON OR SUSPENDED FROM A MINIMUM OF 3 JOIST AND AT PANEL POINTS ONLY. PROVIDE STEEL SUB FRAMING IF REQUIRED.
- FOR COLUMN SIZE, REFER TO FOUNDATION PLAN.
- THE TERM (20) AS NOTE IN W18x35 (20) INDICATES THE TOTAL NUMBER OF 3/4" x 3 1/2" LONG HEADED STUDS WELDED TO THE TOP OF BEAM. STUDS SHALL BE EQUALLY SPACED UNLESS OTHERWISE NOTED.
- FOR TYPICAL DETAILS REFER TO SHEETS S5.1, S5.2, S5.3 AND S5.4.
- FOR GENERAL NOTES REFER TO SHEETS S0.1 AND S0.2.

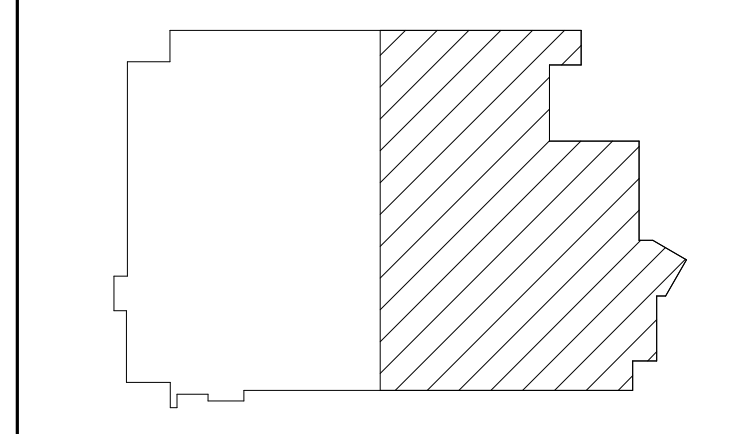
KEY NOTES: [X]

- BRACED BAY, REFER TO BRACED FRAME ELEVATIONS ON S2.1.
- L 2 1/2 X 2 1/2 X 5/16 BOTTOM FLANGE BEAM BRACING FROM BEAM BOTTOM FLANGE TO JOIST TOP CHORD.
- STAIRS, REFER TO ARCH DWGS.
- HSS12x6x1/2 TOS = (+13' - 1 1/2").
- HSS6x4x3/8 TOS = (+12' - 7 1/2").
- ROOF CONSTRUCTION IS 1-1/2" DEEP, 20 GA. TYPE 'B' STEEL ROOF DECK SUPPORTED ON HSS STEEL BEAMS.
- 6800 LB MECH UNIT. REFER TO MECHANICAL DRAWINGS AND TO TYPICAL HOUSE KEEPING EQUIPMENT PAD DETAIL ON S5.1.
- W12x26 STEEL BEAMS. LOCATE W12x26 BEAMS DIRECTLY UNDERNEATH MECHANICAL EQUIPMENT CURB. GC COORDINATE STEEL BEAMS LOCATION WITH MECHANICAL EQUIPMENT CURB LOCATION.
- 2200 LB MECH UNIT. REFER TO MECHANICAL DRAWINGS AND TO TYPICAL HOUSE KEEPING EQUIPMENT PAD DETAIL ON S5.1.
- SLOPE TO DRAIN IN ROOMS WHERE THEY OCCUR, REFER TO ARCH AND PLUMBING DWGS.

GENERAL NOTES

- BRACED BAY, REFER TO BRACED FRAME ELEVATIONS ON S2.1.
- L 2 1/2 X 2 1/2 X 5/16 BOTTOM FLANGE BEAM BRACING FROM BEAM BOTTOM FLANGE TO JOIST TOP CHORD.
- STAIRS, REFER TO ARCH DWGS.
- HSS12x6x1/2 TOS = (+13' - 1 1/2").
- HSS6x4x3/8 TOS = (+12' - 7 1/2").
- ROOF CONSTRUCTION IS 1-1/2" DEEP, 20 GA. TYPE 'B' STEEL ROOF DECK SUPPORTED ON HSS STEEL BEAMS.
- 6800 LB MECH UNIT. REFER TO MECHANICAL DRAWINGS AND TO TYPICAL HOUSE KEEPING EQUIPMENT PAD DETAIL ON S5.1.
- W12x26 STEEL BEAMS. LOCATE W12x26 BEAMS DIRECTLY UNDERNEATH MECHANICAL EQUIPMENT CURB. GC COORDINATE STEEL BEAMS LOCATION WITH MECHANICAL EQUIPMENT CURB LOCATION.
- 2200 LB MECH UNIT. REFER TO MECHANICAL DRAWINGS AND TO TYPICAL HOUSE KEEPING EQUIPMENT PAD DETAIL ON S5.1.
- SLOPE TO DRAIN IN ROOMS WHERE THEY OCCUR, REFER TO ARCH AND PLUMBING DWGS.

KEY PLAN



SCO ID # 22-25364-01A

NO	REVISION	DATE

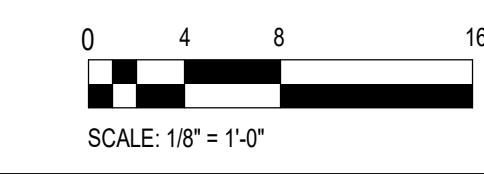
JKF
 ARCHITECTURE

825 LYNDALE CT, SUITE 6, GREENVILLE, NC 27858 252-355-1048
LENOIR COMMUNITY COLLEGE
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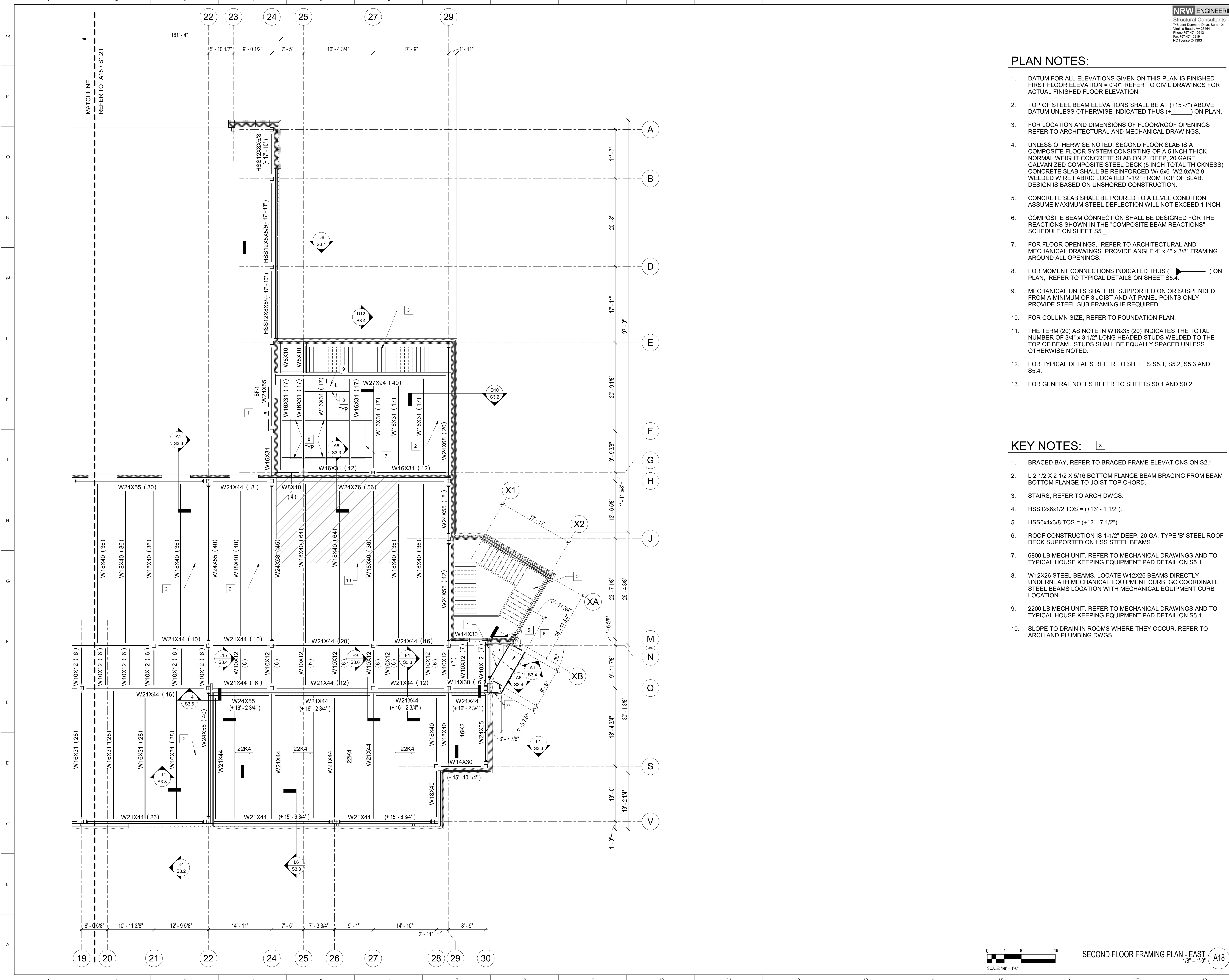
DRAWING TITLE
SECOND FLOOR FRAMING PLAN - EAST

SCALE	AS INDICATED
DRAWN	JSS
CHECKED	KMR
DATE	2-28-2024
PROJECT NO.	2022-18

S1.22



SECOND FLOOR FRAMING PLAN - EAST
 1/8" = 1'-0" A18



PLAN NOTES:

- DATUM FOR ALL ELEVATIONS GIVEN ON THIS PLAN IS FINISHED FIRST FLOOR ELEVATION = 0'-0". REFER TO CIVIL DRAWINGS FOR ACTUAL FINISHED FLOOR ELEVATION.
- TOP OF STEEL BEAM ELEVATIONS INDICATED THUS (+) ON PLAN.
- ROOF CONSTRUCTION IS 1-1/2" DEEP, 20 GA. TYPE 'B' STEEL ROOF DECK SUPPORTED ON OPEN WEB STEEL JOIST ON STEEL BEAMS.
- FOR LOCATION AND DIMENSIONS OF ROOF OPENINGS REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS.
- UNLESS OTHERWISE SHOWN PROVIDE L 4 x 4 x 3/8 FRAMING AROUND ALL MECHANICAL AND ARCHITECTURAL ROOF OPENINGS.
- MECHANICAL UNITS SHALL BE SUPPORTED ON OR SUSPENDED FROM A MINIMUM OF 3 JOIST AND AT PANEL POINTS ONLY. PROVIDE STEEL SUB FRAMING IF REQUIRED.
- FOR COLUMN SIZE, REFER TO FOUNDATION PLAN.
- STEEL JOIST PREFIX 'SP' ARE COLUMN BRACING JOIST. FOR JOIST TO COLUMN CONNECTION REFER TO RELEVANT SECTIONS AND TYPICAL DETAILS.
- STAGGER JOIST AS REQUIRED TO OBTAIN REQUIRED BEARING ON BEAMS AND WALLS.
- FOR MOMENT CONNECTIONS INDICATED THUS () ON PLAN, REFER TO TYPICAL DETAILS ON SHEET S5.4.
- FOR TYPICAL DETAILS REFER TO SHEETS S5.1, S5.2, S5.3 AND S5.4.
- FOR GENERAL NOTES REFER TO SHEETS S0.1 AND S0.2.

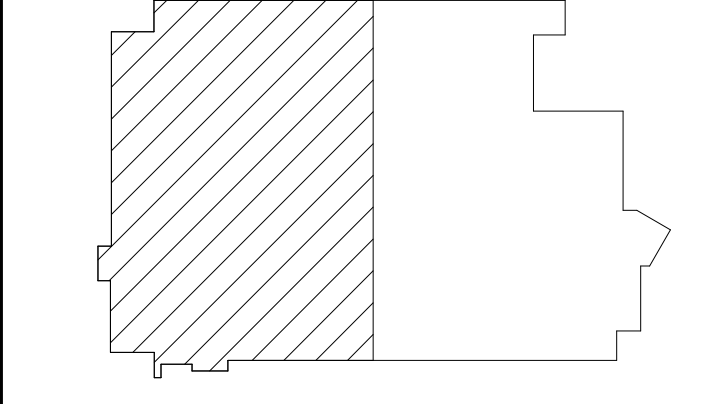
KEY NOTES:

- BRACED BAY, REFER TO BRACED FRAME ELEVATIONS ON S2.1.
- BEAM EXTENSION, REFER TO TYPICAL BEAM EXTENSION DETAIL ON S5.3.
- HSS 1/2 x 1 1/2 x 1/4 (LSH) OUTLOOKERS SPACED AT 6" OC WITHIN 12' - 0" OF BUILDING CORNERS AND 12" OC REMAINDER. REFER TO TYPICAL DETAIL ON S5.3.
- L 2 1/2 x 2 1/2 x 5/16 BOTTOM FLANGE BEAM BRACING FROM BEAM BOTTOM FLANGE TO JOIST TOP CHORD.
- W14x30 OUTLOOKERS. REFER TO OUTLOOKER MOMENT CONNECTION DETAIL ON S5.3.
- ELEVATOR HOIST BEAM. COORDINATE HOIST BEAM LOCATION WITH ELEVATOR MANUFACTURER. LOCATE BEAM TO PROVIDE 12'-0" MINIMUM CLEAR BETWEEN BOTTOM OF BEAM AND FINISHED SECOND FLOOR.
- FRAMED BEAM AT ROOF RIDGE POINT, REFER TO TYPICAL FRAME BEAM DETAIL ON S5.4.
- HSS6X6 POST SPACED AT 48" OC MAX WITH HSS6X2 (LSH) CONT TOP OF PARAPET WHERE SHOWN ON PLAN. REFER TO RELEVANT SECTIONS FOR INFORMATION. REFER TO ARCH DRAWINGS FOR TOP OF PARAPET.
- POWERLIFT HYDRAULIC DOOR OR EQUAL BELOW. REFER TO TRUSS ELEVATION AND SECTIONS ON S2.1 FOR TRUSS TOP AND BOTTOM CHORD CAMBER. TRUSS CAMBERED SO THAT DEFLECTIONS = 0" UNDER APPLICATION OF DEAD LOAD. TRUSS TOP AND BOTTOM CHORD LIVE/WIND LOAD DEFLECTION IS LIMITED TO A MAXIMUM OF 1/34".
- EXTEND HSS6X6 COLUMN TO HSS6X2 (LSH) AT TOP OF PARAPET, REFER TO ARCH DWGS FOR TOP OF PARAPET.

GENERAL NOTES

- HSS6X6 POST SPACED AT 48" OC MAX WITH HSS6X2 (LSH) CONT TOP OF PARAPET WHERE SHOWN ON PLAN. REFER TO RELEVANT SECTIONS FOR INFORMATION. REFER TO ARCH DRAWINGS FOR TOP OF PARAPET.
- POWERLIFT HYDRAULIC DOOR OR EQUAL BELOW. REFER TO TRUSS ELEVATION AND SECTIONS ON S2.1 FOR TRUSS TOP AND BOTTOM CHORD CAMBER. TRUSS CAMBERED SO THAT DEFLECTIONS = 0" UNDER APPLICATION OF DEAD LOAD. TRUSS TOP AND BOTTOM CHORD LIVE/WIND LOAD DEFLECTION IS LIMITED TO A MAXIMUM OF 1/34".
- EXTEND HSS6X6 COLUMN TO HSS6X2 (LSH) AT TOP OF PARAPET, REFER TO ARCH DWGS FOR TOP OF PARAPET.

KEY PLAN



SCO ID # 22-25364-01A

NO	REVISION	DATE

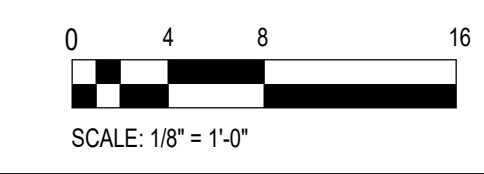
ARCHITECTURE

LENOR COMMUNITY COLLEGE
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 KINSTON, NC

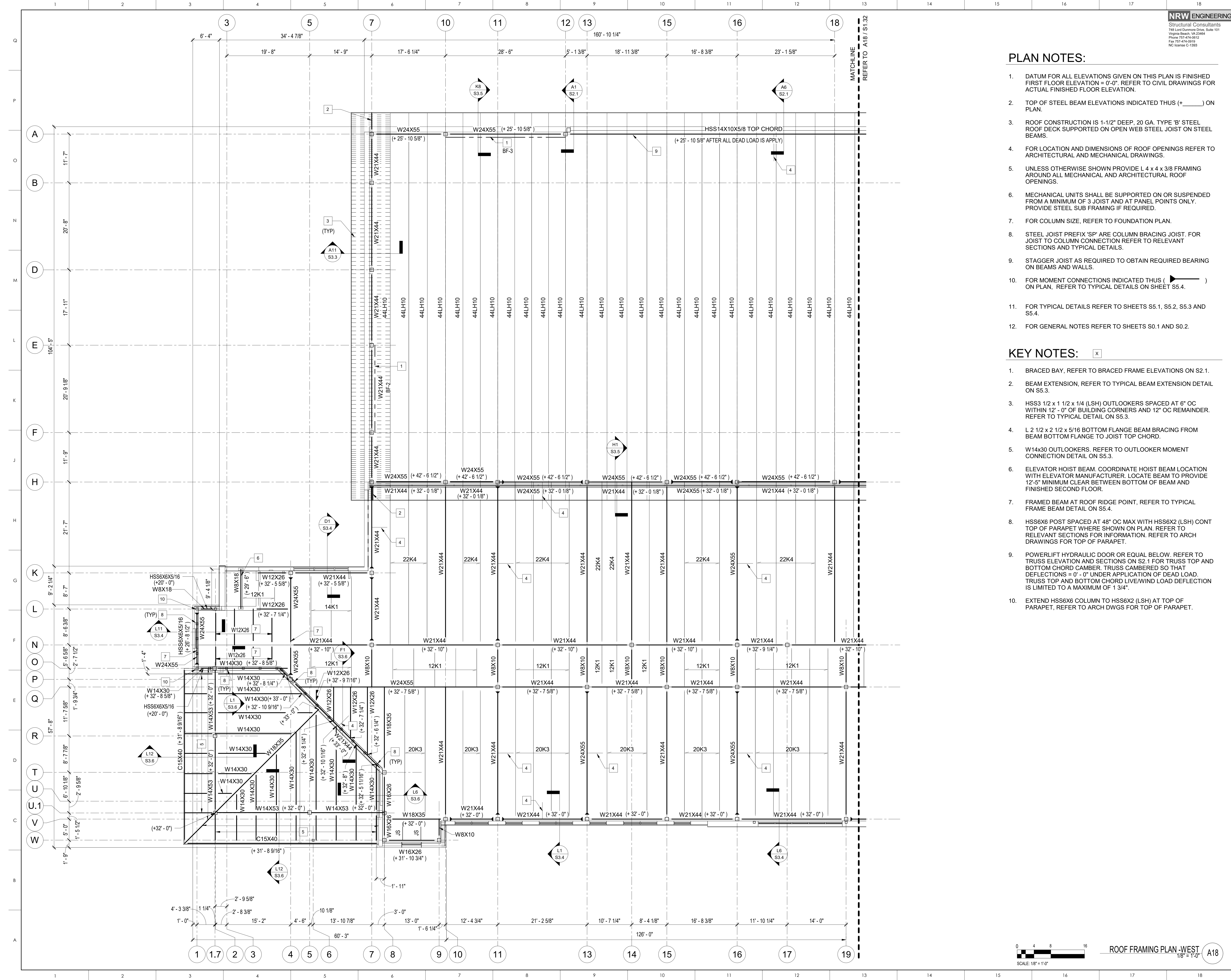
DRAWING TITLE
ROOF FRAMING PLAN - WEST

SCALE	AS INDICATED
DRAWN	JSS
CHECKED	KMR
DATE	2-28-2024
PROJECT NO.	2022-18

S1.31



ROOF FRAMING PLAN - WEST
 1/8" = 1'-0" A18



PLAN NOTES:

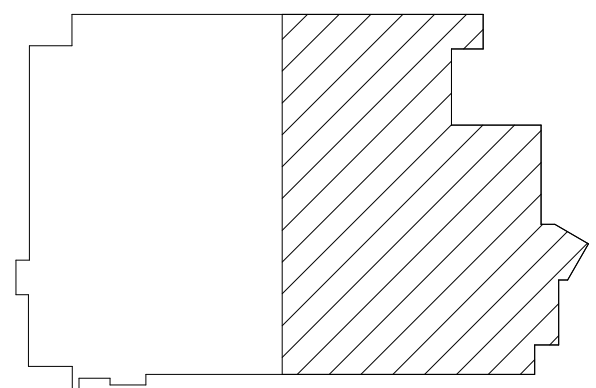
- DATUM FOR ALL ELEVATIONS GIVEN ON THIS PLAN IS FINISHED FIRST FLOOR ELEVATION = 0'-0". REFER TO CIVIL DRAWINGS FOR ACTUAL FINISHED FLOOR ELEVATION.
- TOP OF STEEL BEAM ELEVATIONS INDICATED THUS (+ _____) ON PLAN.
- ROOF CONSTRUCTION IS 1-1/2" DEEP, 20 GA. TYPE 'B' STEEL ROOF DECK SUPPORTED ON OPEN WEB STEEL JOIST ON STEEL BEAMS.
- FOR LOCATION AND DIMENSIONS OF ROOF OPENINGS REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS.
- UNLESS OTHERWISE SHOWN PROVIDE ANGLE L 4 x 4 x 3/8 FRAMING AROUND ALL MECHANICAL AND ARCHITECTURAL ROOF OPENINGS.
- MECHANICAL UNITS SHALL BE SUPPORTED ON OR SUSPENDED FROM A MINIMUM OF 3 JOIST AND AT PANEL POINTS ONLY. PROVIDE STEEL SUB FRAMING IF REQUIRED.
- FOR COLUMN SIZE, REFER TO FOUNDATION PLAN.
- STEEL JOIST PREFIX 'SP' ARE COLUMN BRACING JOIST. FOR JOIST TO COLUMN CONNECTION REFER TO RELEVANT SECTIONS AND TYPICAL DETAILS.
- STAGGER JOIST AS REQUIRED TO OBTAIN REQUIRED BEARING ON BEAMS AND WALLS.
- FOR MOMENT CONNECTIONS INDICATED THUS (◂) ON PLAN, REFER TO TYPICAL DETAILS ON SHEET S5.4.
- FOR TYPICAL DETAILS REFER TO SHEETS S5.1, S5.2, S5.3 AND S5.4.
- FOR GENERAL NOTES REFER TO SHEETS S0.1 AND S0.2.

KEY NOTES:

- BRACED BAY, REFER TO BRACED FRAME ELEVATIONS ON S2.1.
- BEAM EXTENSION, REFER TO TYPICAL BEAM EXTENSION DETAIL ON S5.3.
- HSS 1/2x1 1/2x1/4 (LSH) OUTLOOKERS SPACED AT 6" OC WITHIN 12' - 0" OF BUILDING CORNERS AND 12" OC REMAINDER. REFER TO TYPICAL DETAIL ON S5.3.
- L 2 1/2 X 2 1/2 X 5/16 BOTTOM FLANGE BEAM BRACING FROM BEAM BOTTOM FLANGE TO JOIST TOP CHORD.
- W14x30 OUTLOOKERS. REFER TO OUTLOOKER MOMENT CONNECTION DETAIL ON S5.3.
- ROOF HATCH OPENING. REFER TO ARCH DWGS. REFER TO TYPICAL ROOF OPENING SUPPORT DETAIL ON S5.4.
- POWERLIFT HYDRAULIC DOOR BELOW. REFER TO TRUSS ELEVATION AND SECTIONS ON S2.1 FOR TRUSS TOP AND BOTTOM CHORD CAMBER. TRUSS CAMBERED SO THAT DEFLECTIONS = 0' - 0" UNDER APPLICATION OF DEAD LOAD. TRUSS TOP AND BOTTOM CHORD LIVE/WIND LOAD DEFLECTION IS LIMITED TO A MAXIMUM OF 1 3/4".

GENERAL NOTES

KEY PLAN



SCO ID # 22-25364-01A

NO	REVISION	DATE

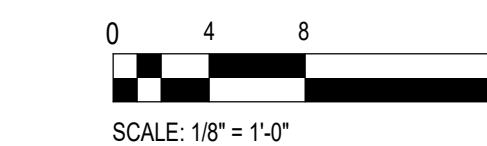


225 LYNNDALE CT, SUITE 6, GREENVILLE, NC 27838 252-355-1049
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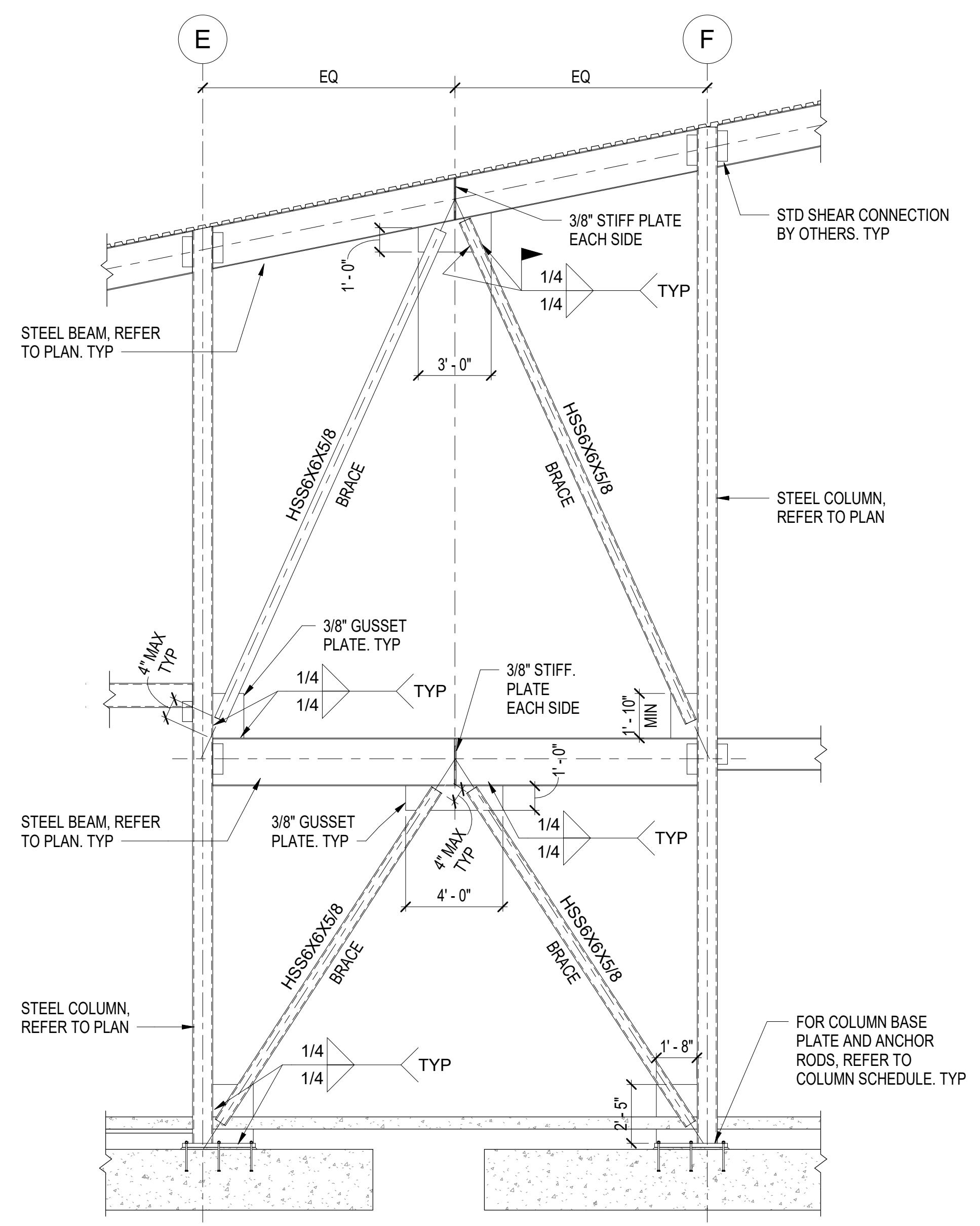
DRAWING TITLE
ROOF FRAMING PLAN - EAST

SCALE: AS INDICATED
 DRAWN: JSS
 CHECKED: KMR
 DATE: 2-28-2024
 PROJECT NO: 2022-18

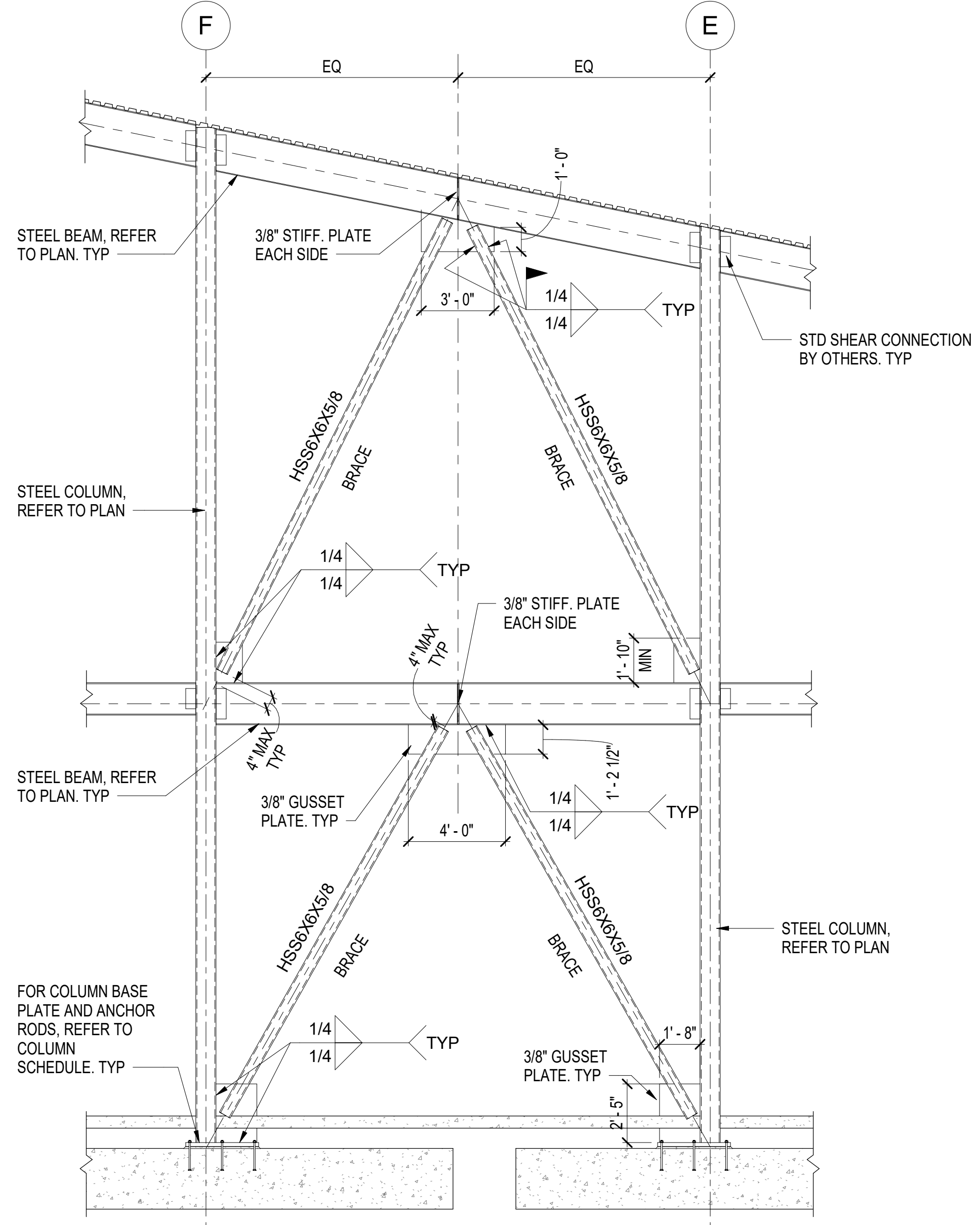
S1.32



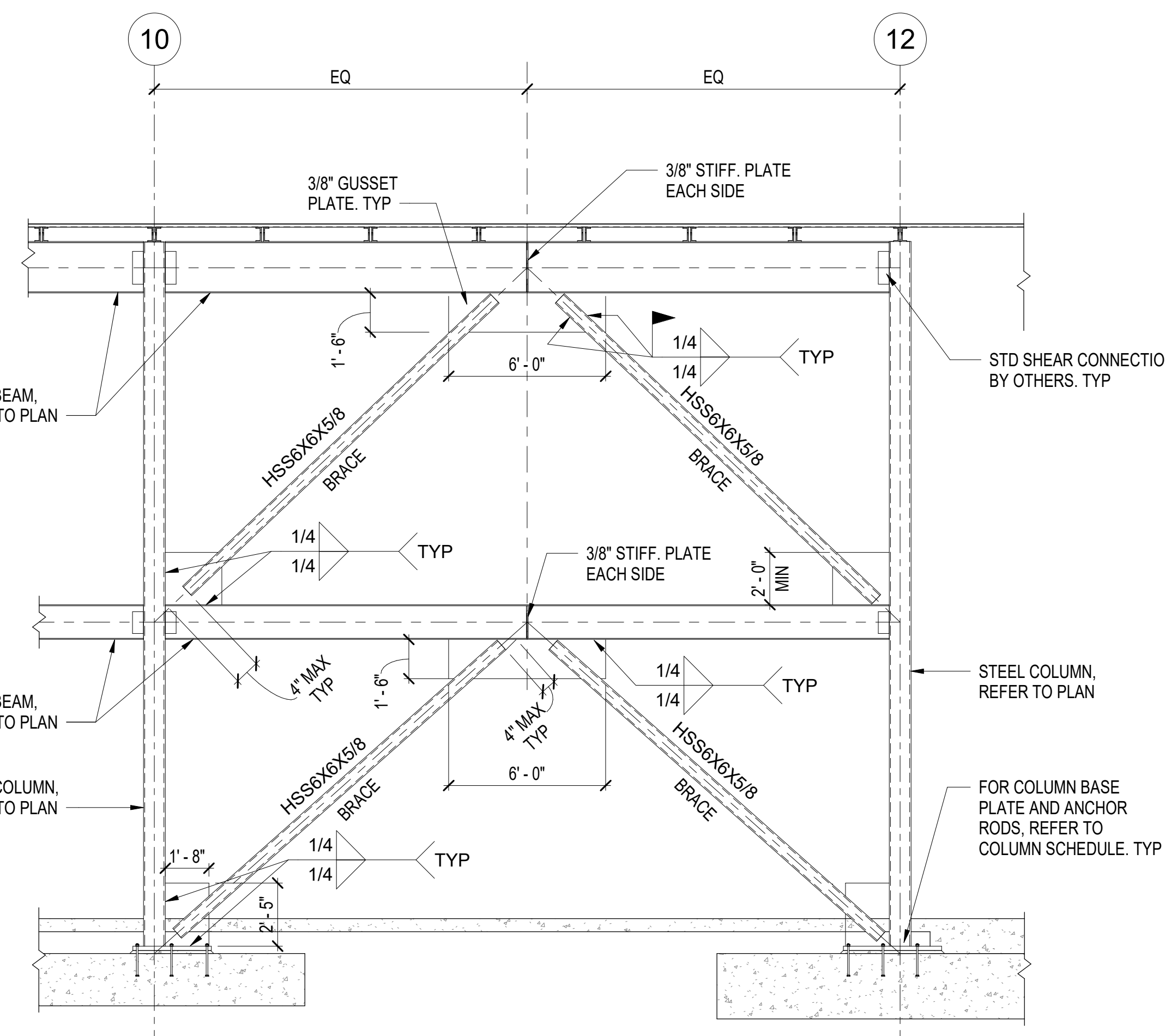
ROOF FRAMING PLAN - EAST A18



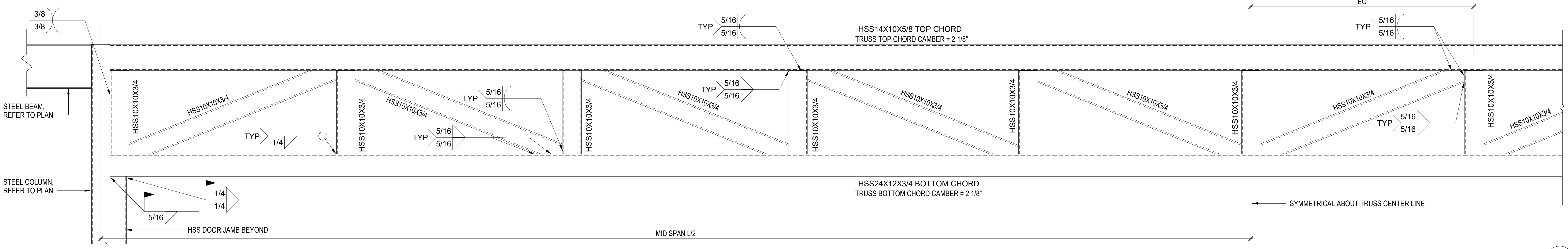
BRACED FRAME ELEVATION BF-1
 1/4" = 1'-0" H1



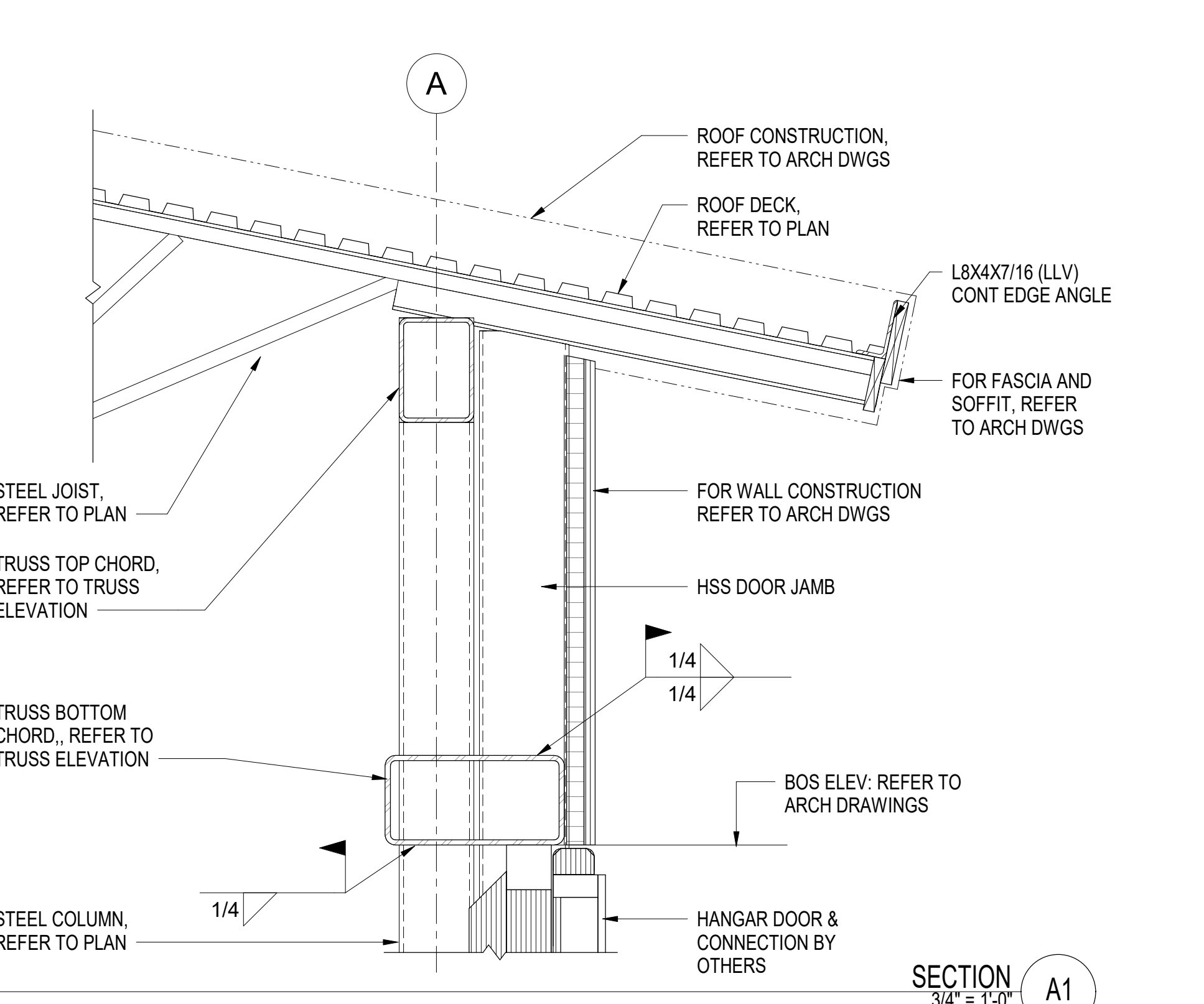
BRACED FRAME ELEVATION BF-2
 1/4" = 1'-0" H7



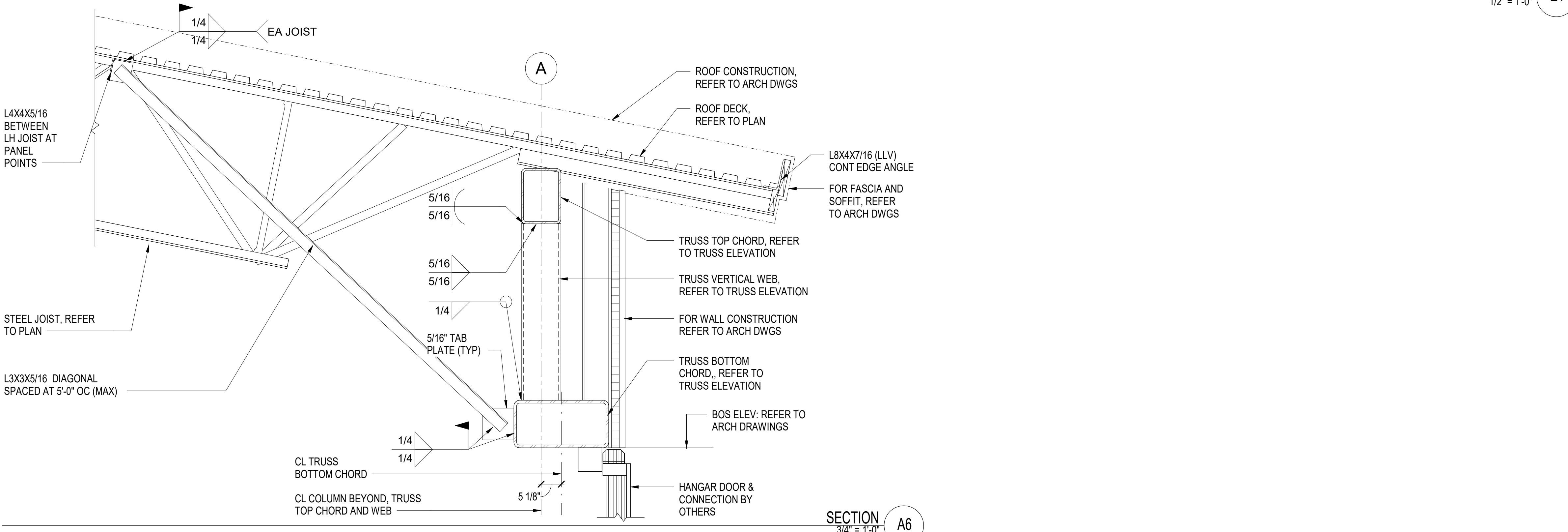
BRACED FRAME ELEVATION BF-3
 1/4" = 1'-0" H12



DOOR STEEL TRUSS ELEVATION
 1/2" = 1'-0" E1



SECTION A1
 3/4" = 1'-0"



SECTION A6
 3/4" = 1'-0"

GENERAL NOTES

NO REVISION DATE

KEY PLAN

SCO ID # 22-25364-01A

Professional Engineer Seal for Kevin M. Rooksburg, State of North Carolina, License No. 022650, dated 4-11-2024.

J K F
 ARCHITECTURE

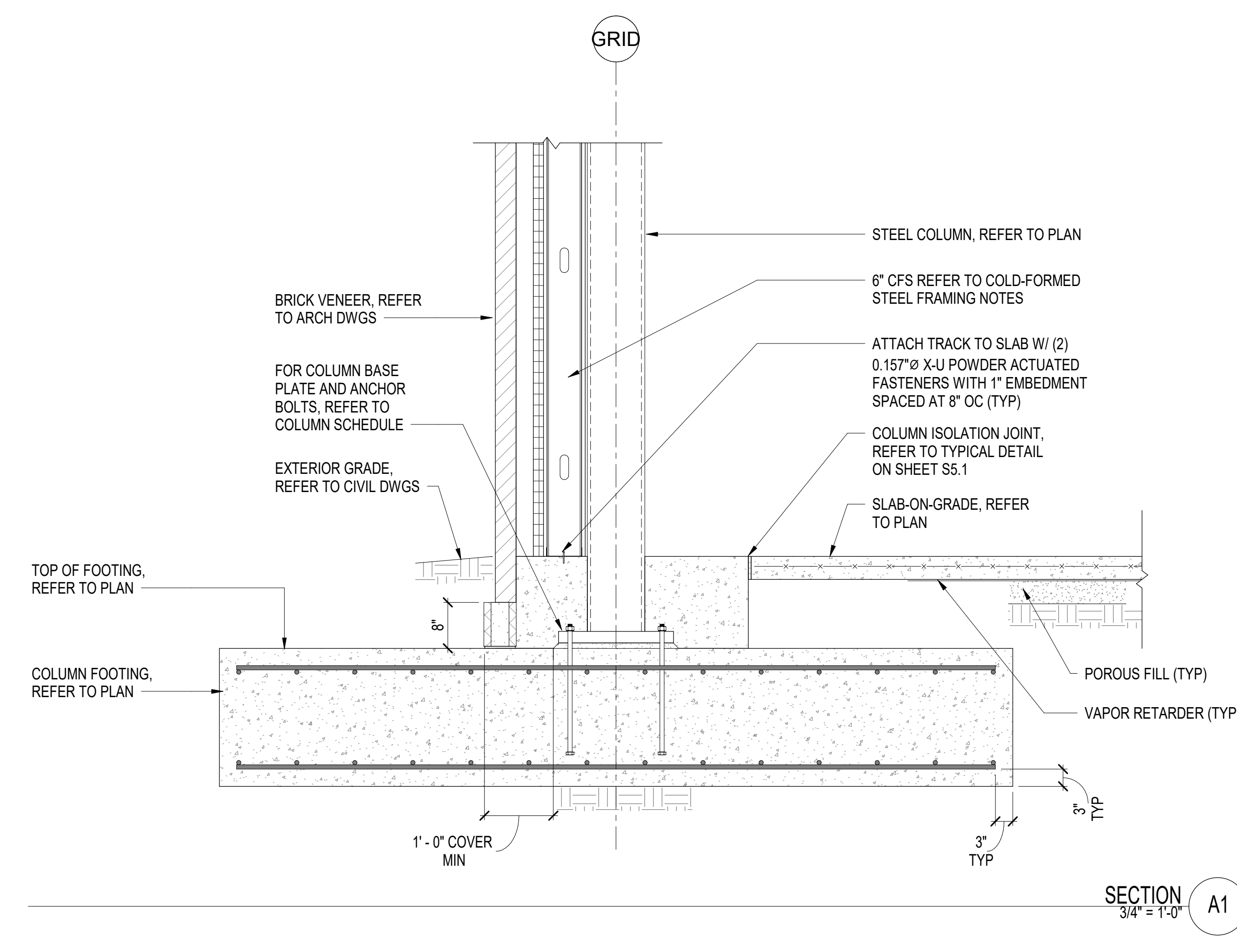
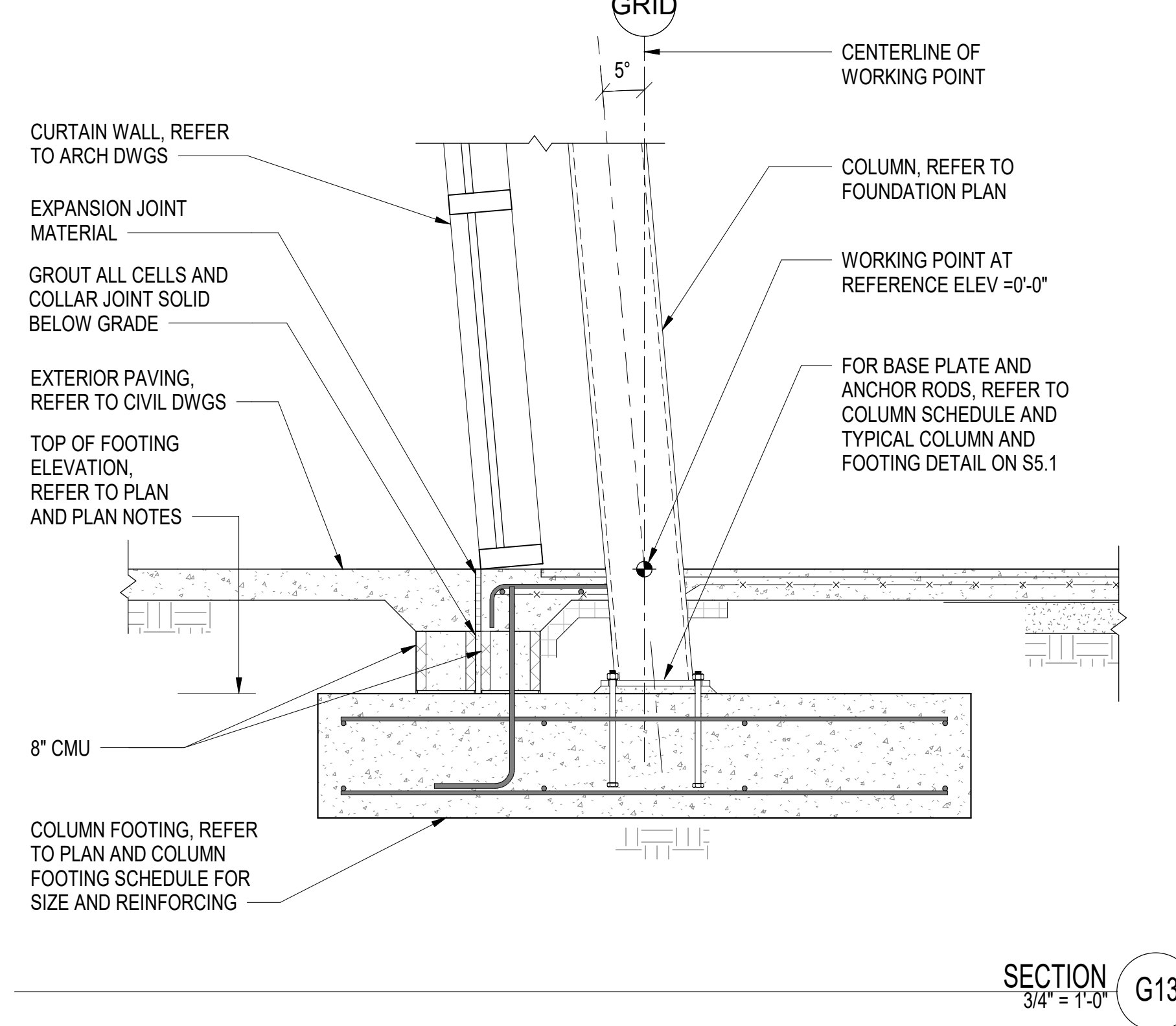
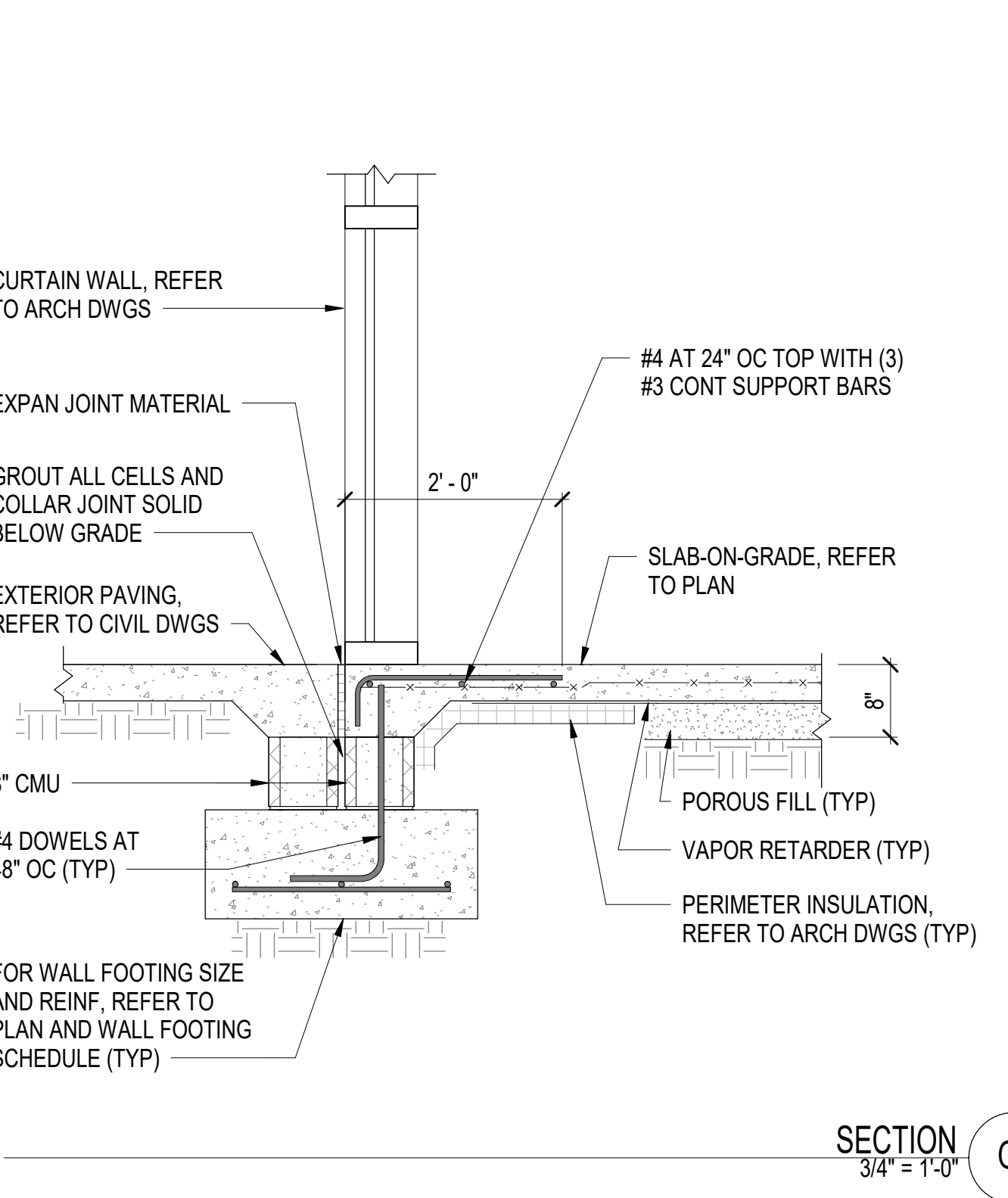
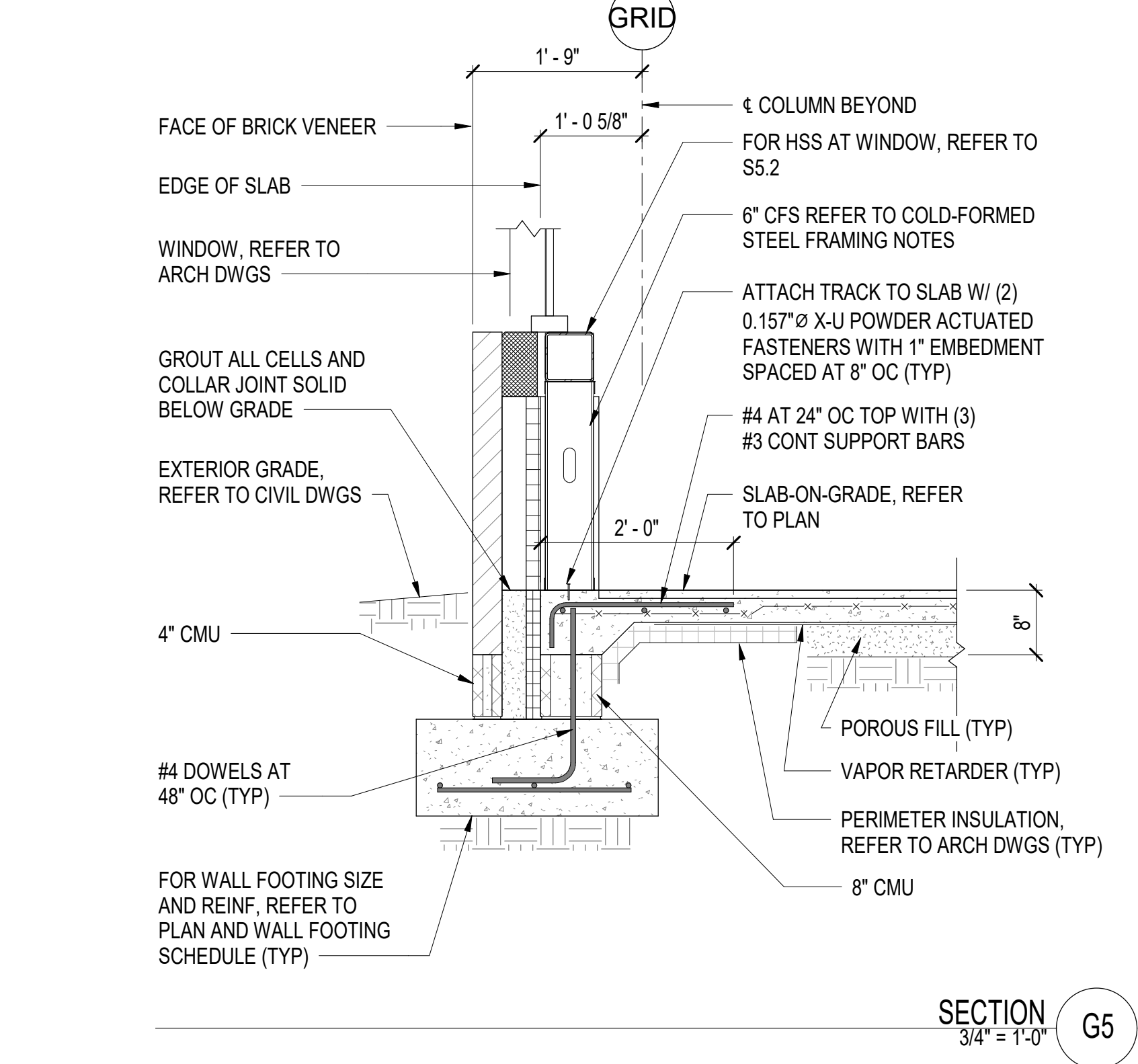
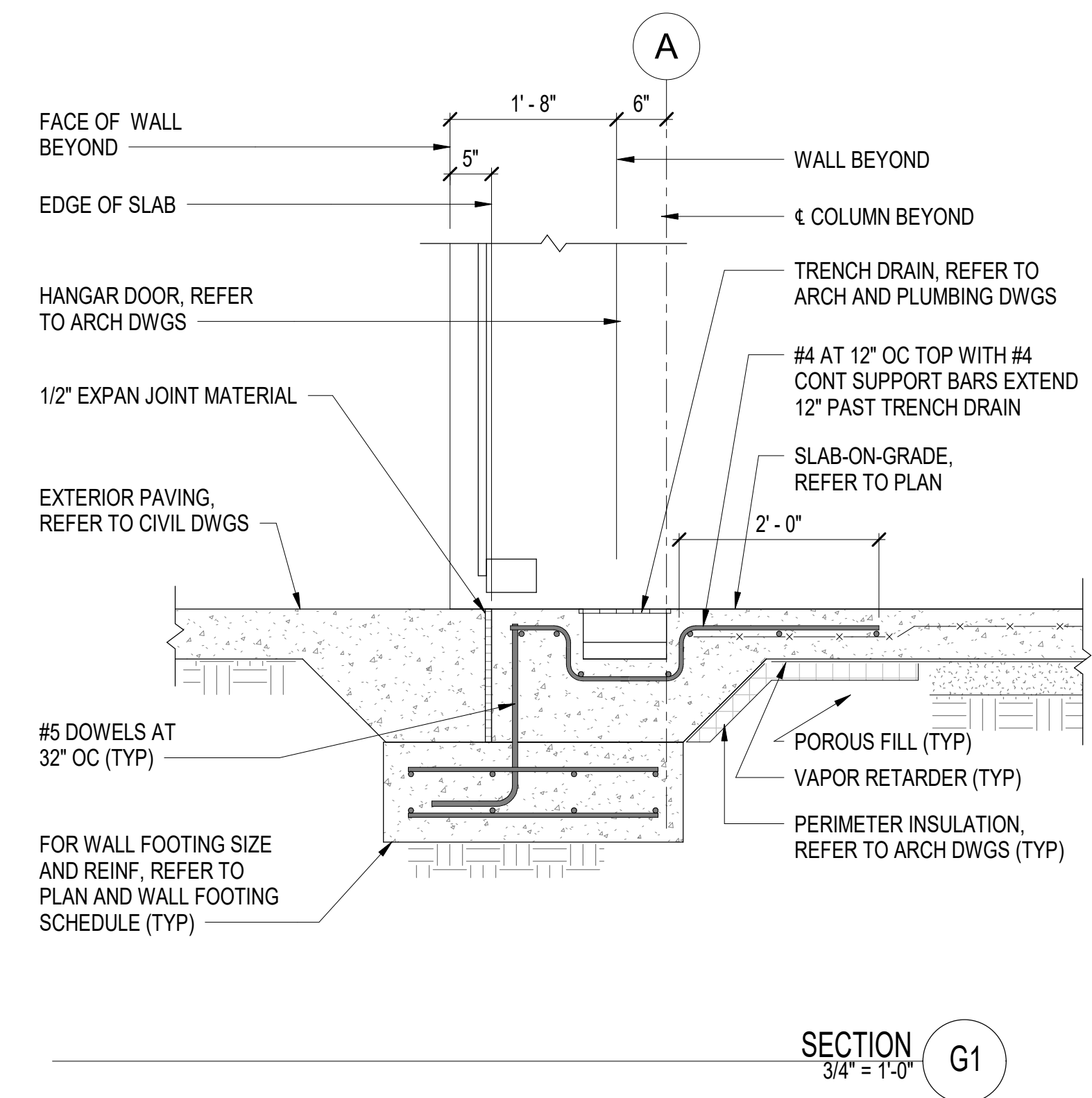
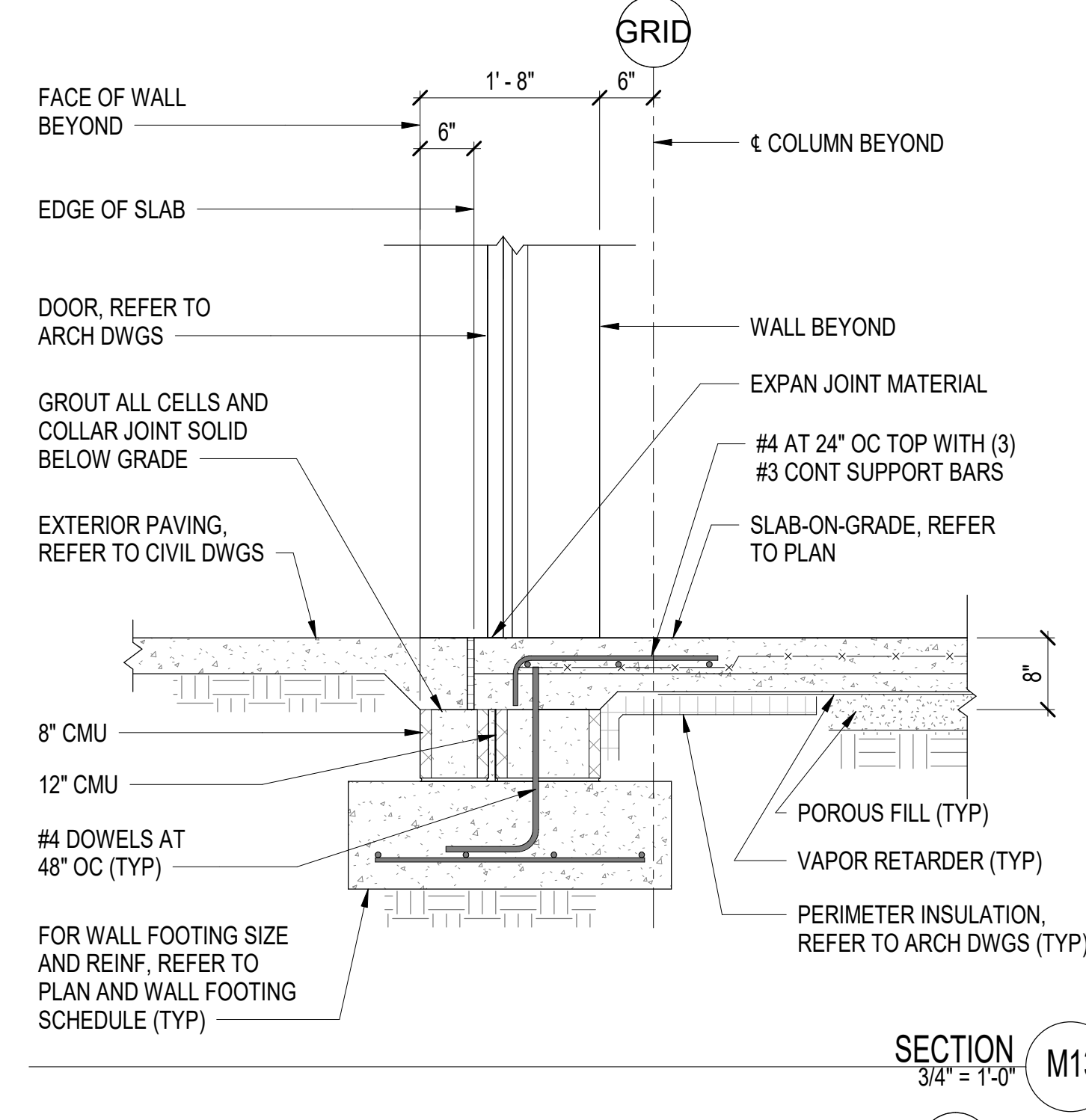
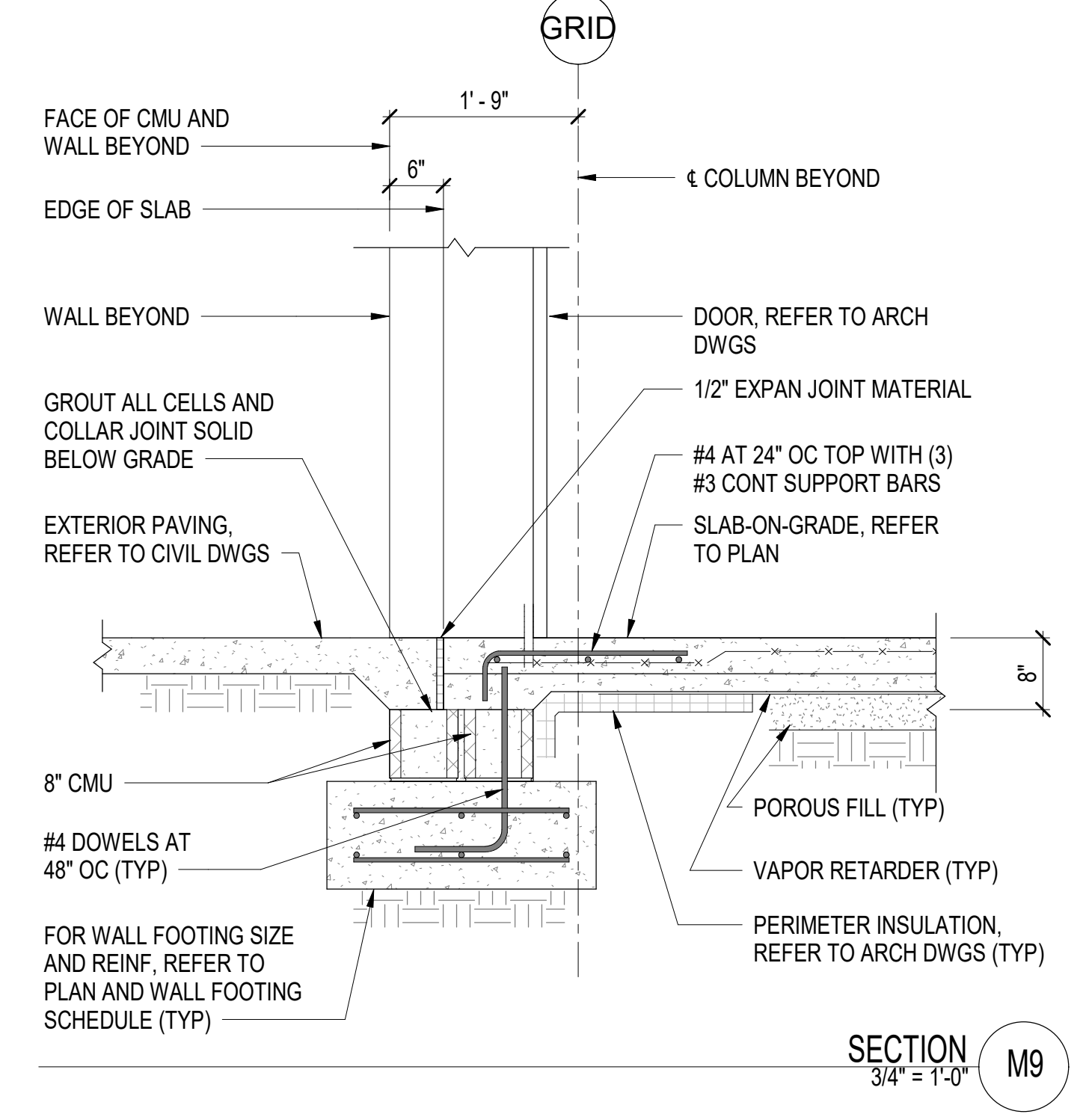
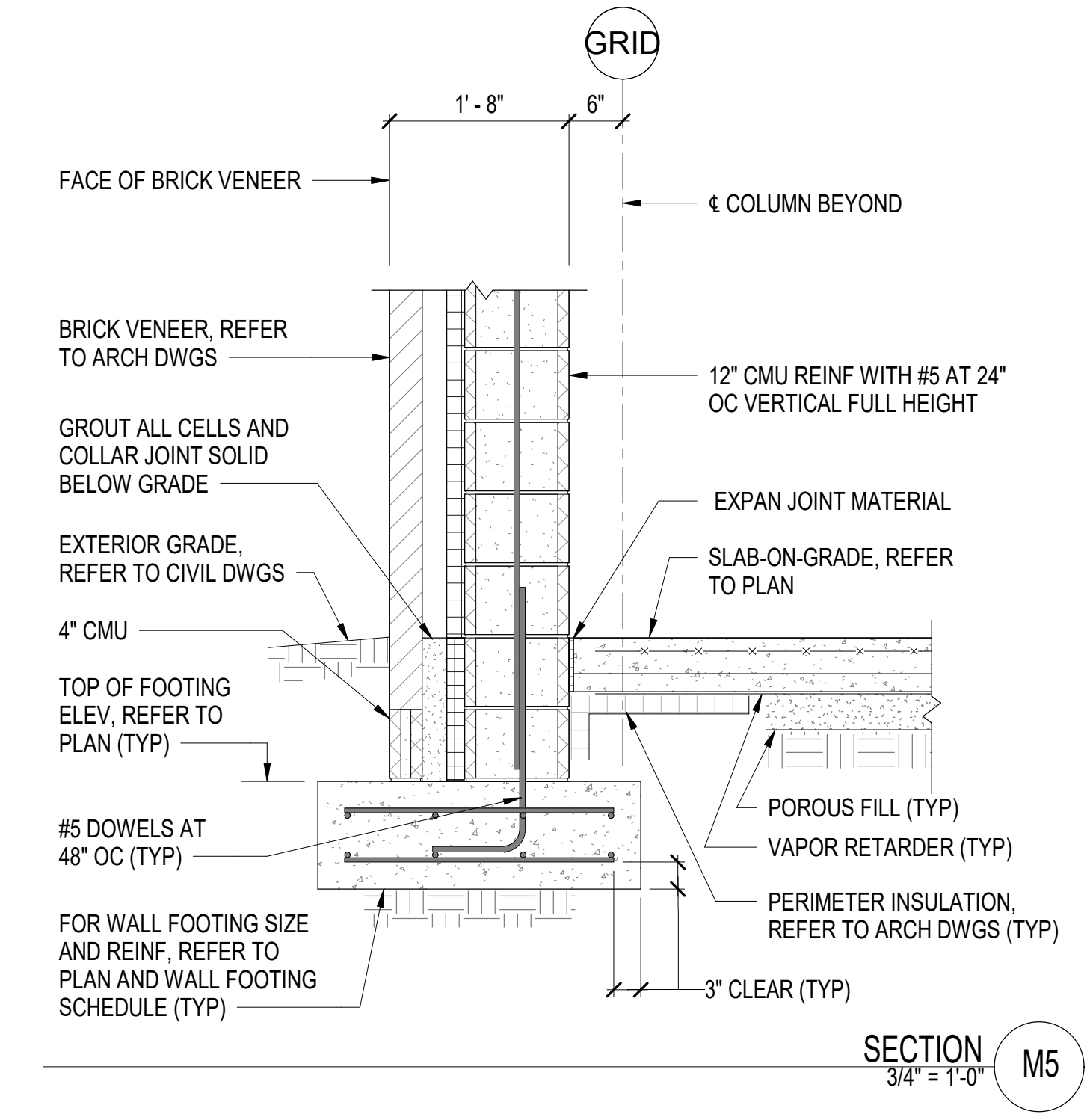
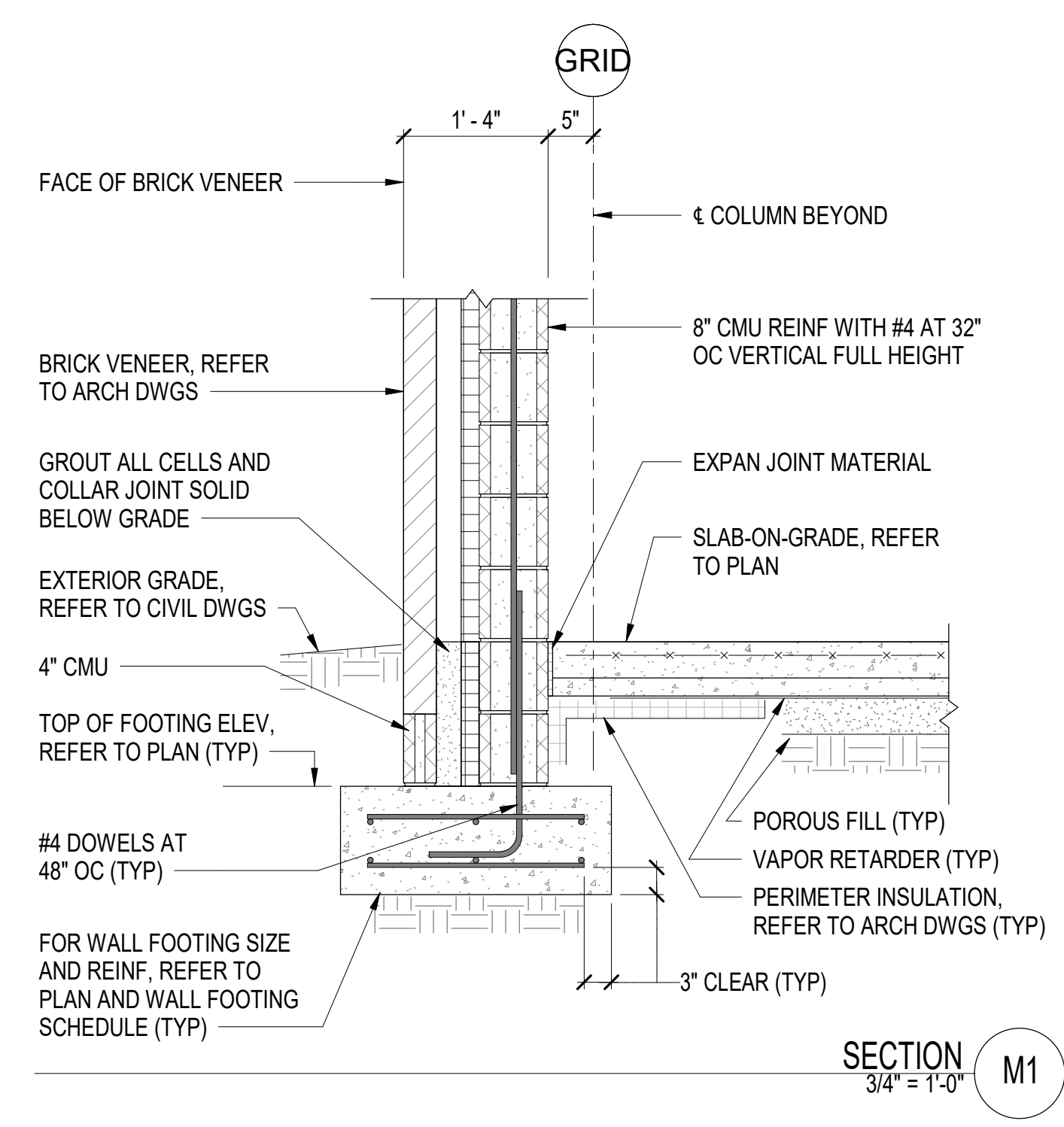
223 LYNDALE CT, SUITE F, GREENVILLE, NC 27608 252-355-1048

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DRAWING TITLE
 BRACED FRAME & TRUSS ELEVATIONS

SCALE	As indicated
DRAWN	JSS
CHECKED	KMR
DATE	2-28-2024
PROJECT NO.	2022-18

S2.1



GENERAL NOTES

KEY PLAN

NO	REVISION	DATE

SCO ID # 22-25364-01A

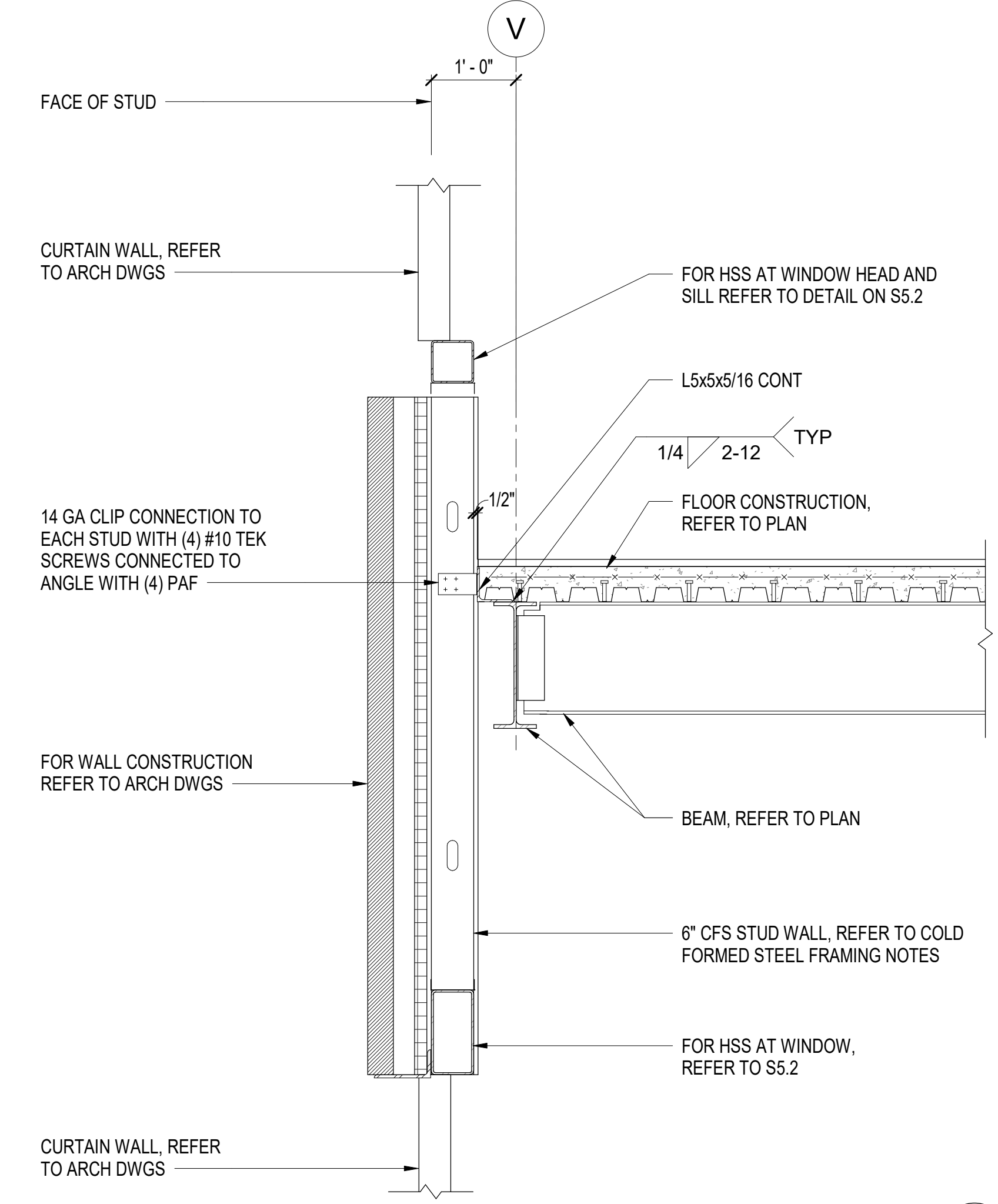
J K F
 ARCHITECTURE

223 LYNDALE CT, SUITE F, GREENVILLE, NC 27838 252-355-1048
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 KINSTON, NC

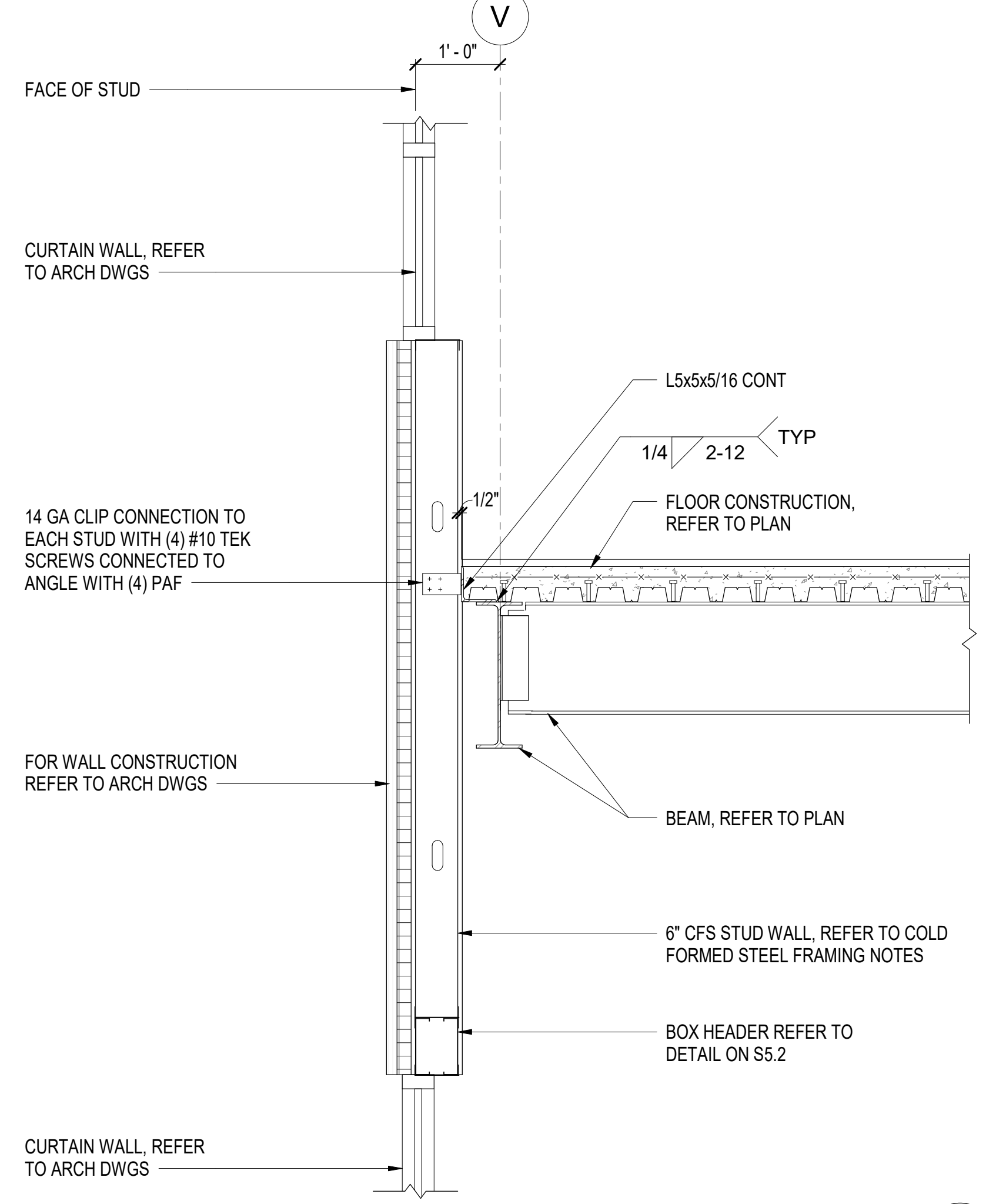
DRAWING TITLE

SECTIONS	
SCALE	3/4" = 1'-0"
DRAWN	JSS
CHECKED	KMR
DATE	2-28-2024
PROJECT NO.	2022-18

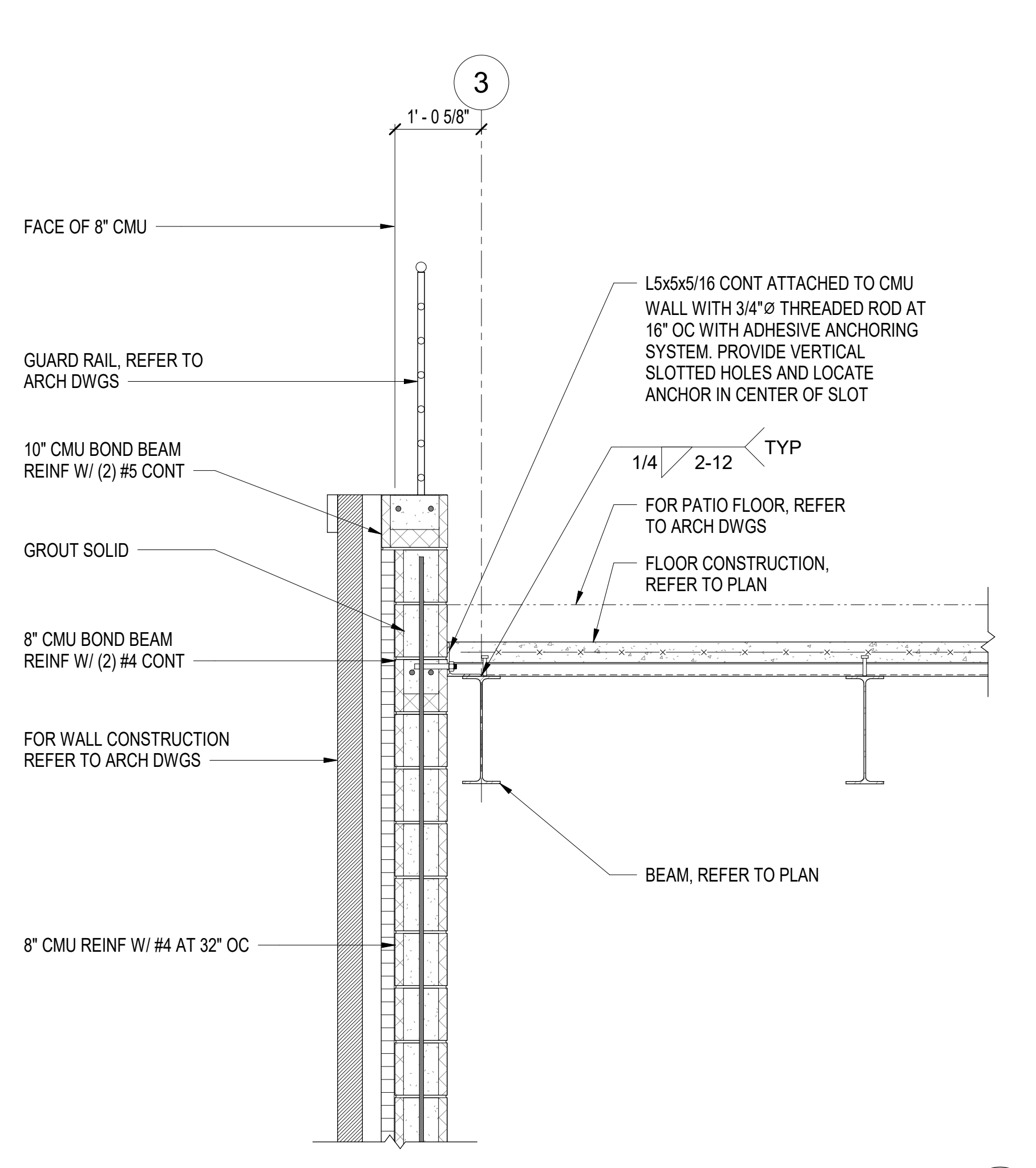
S3.1



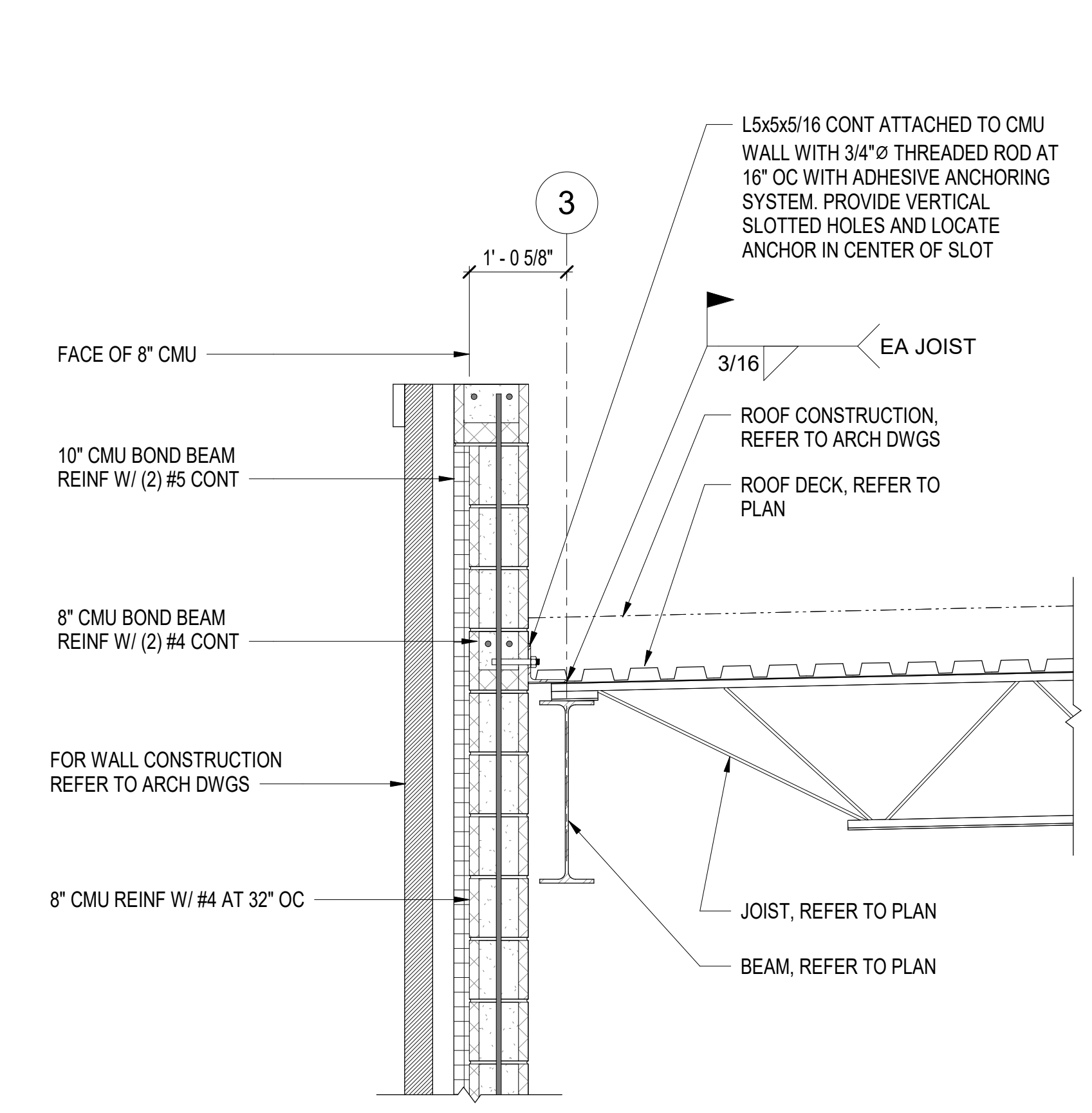
SECTION K1
3/4" = 1'-0"



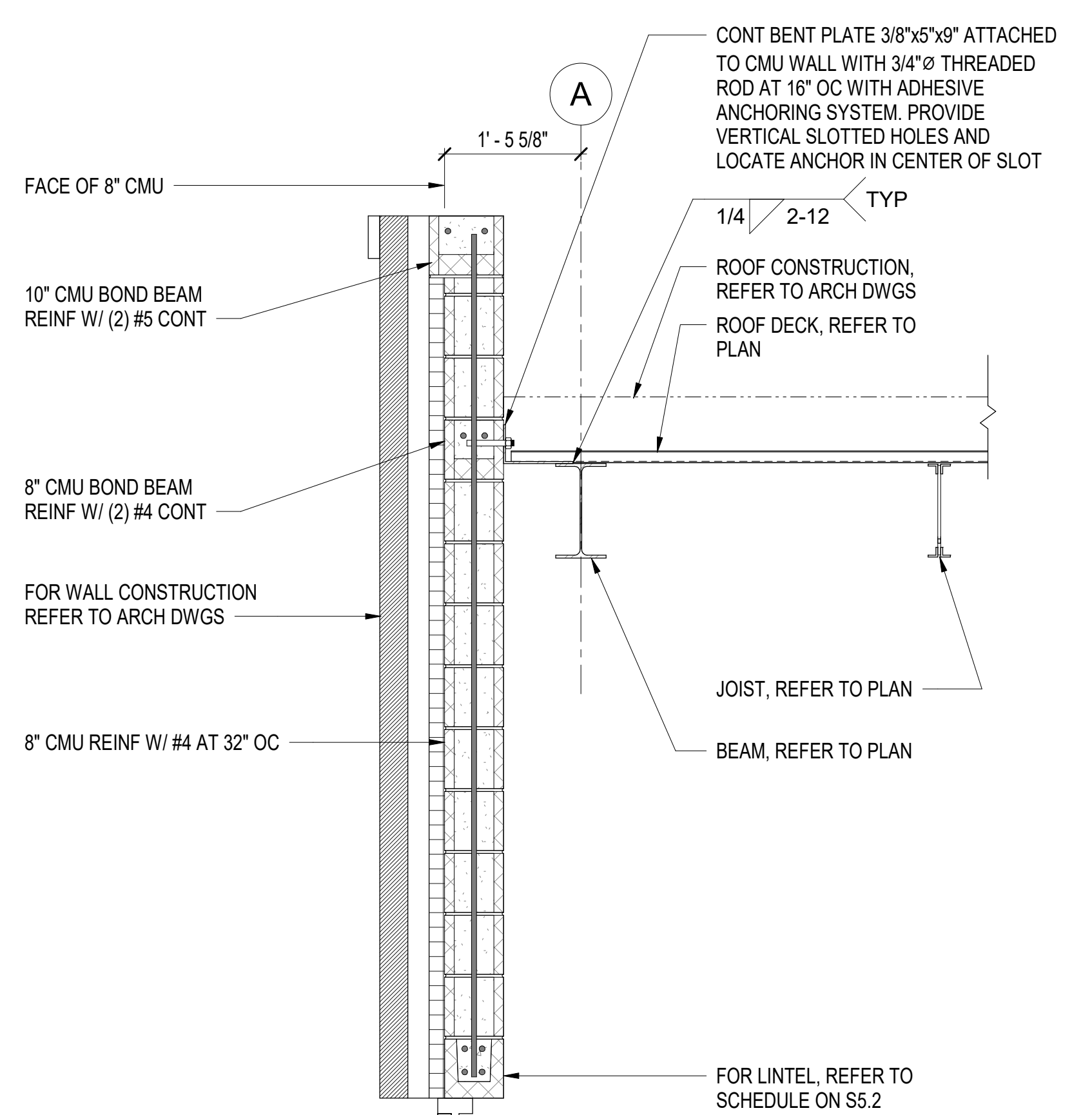
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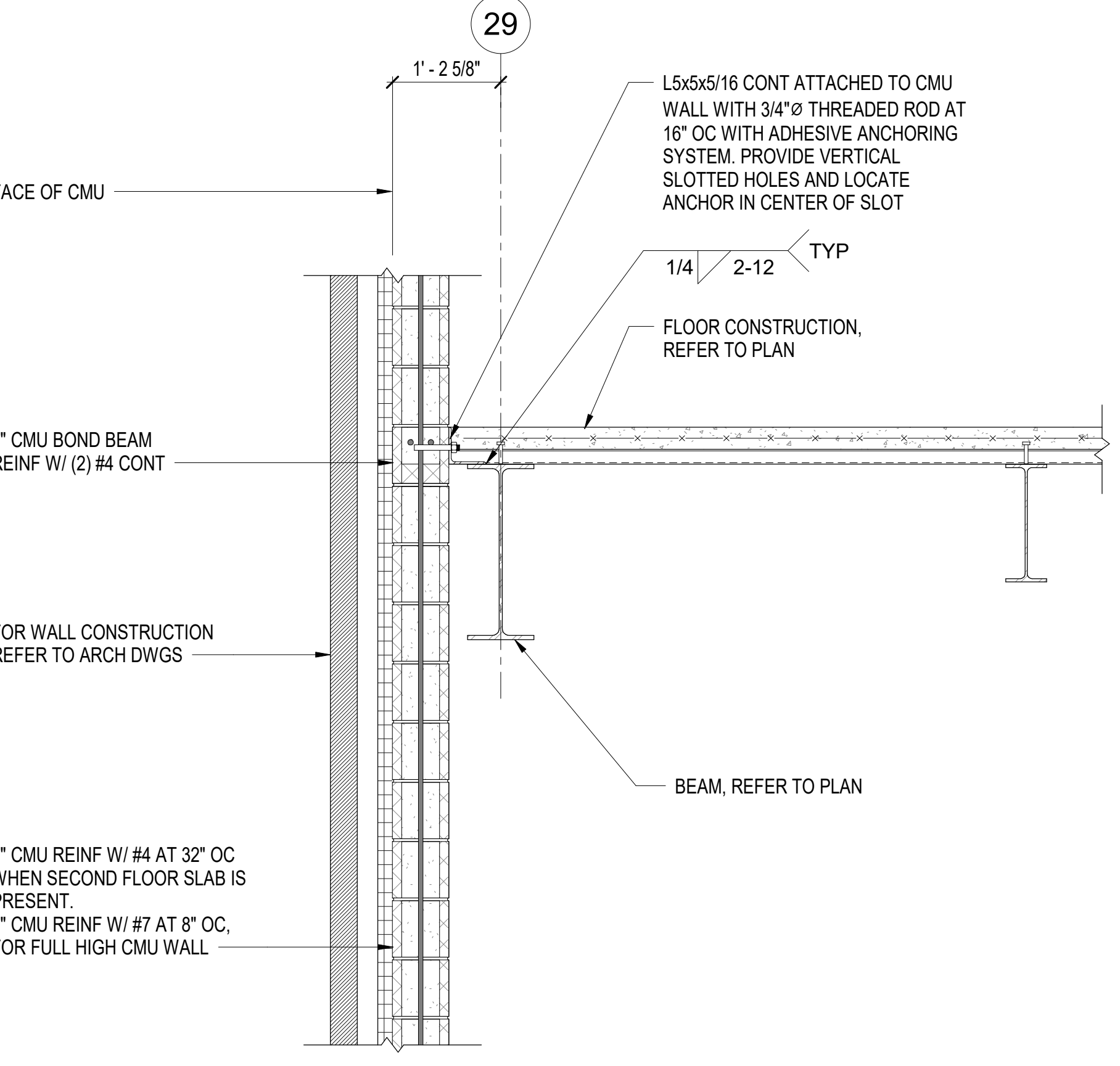
SECTION K10
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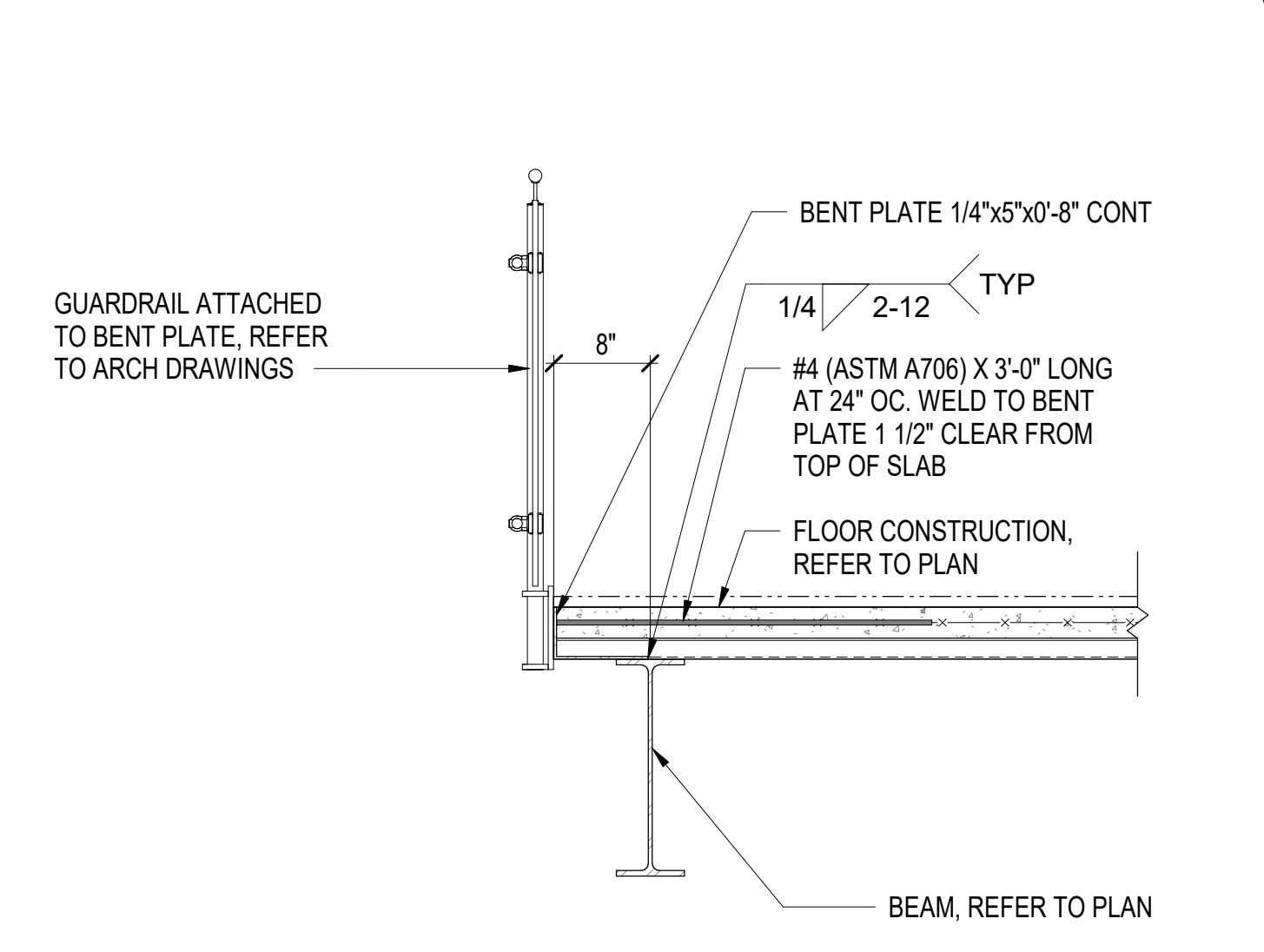
SECTION D1
3/4" = 1'-0"



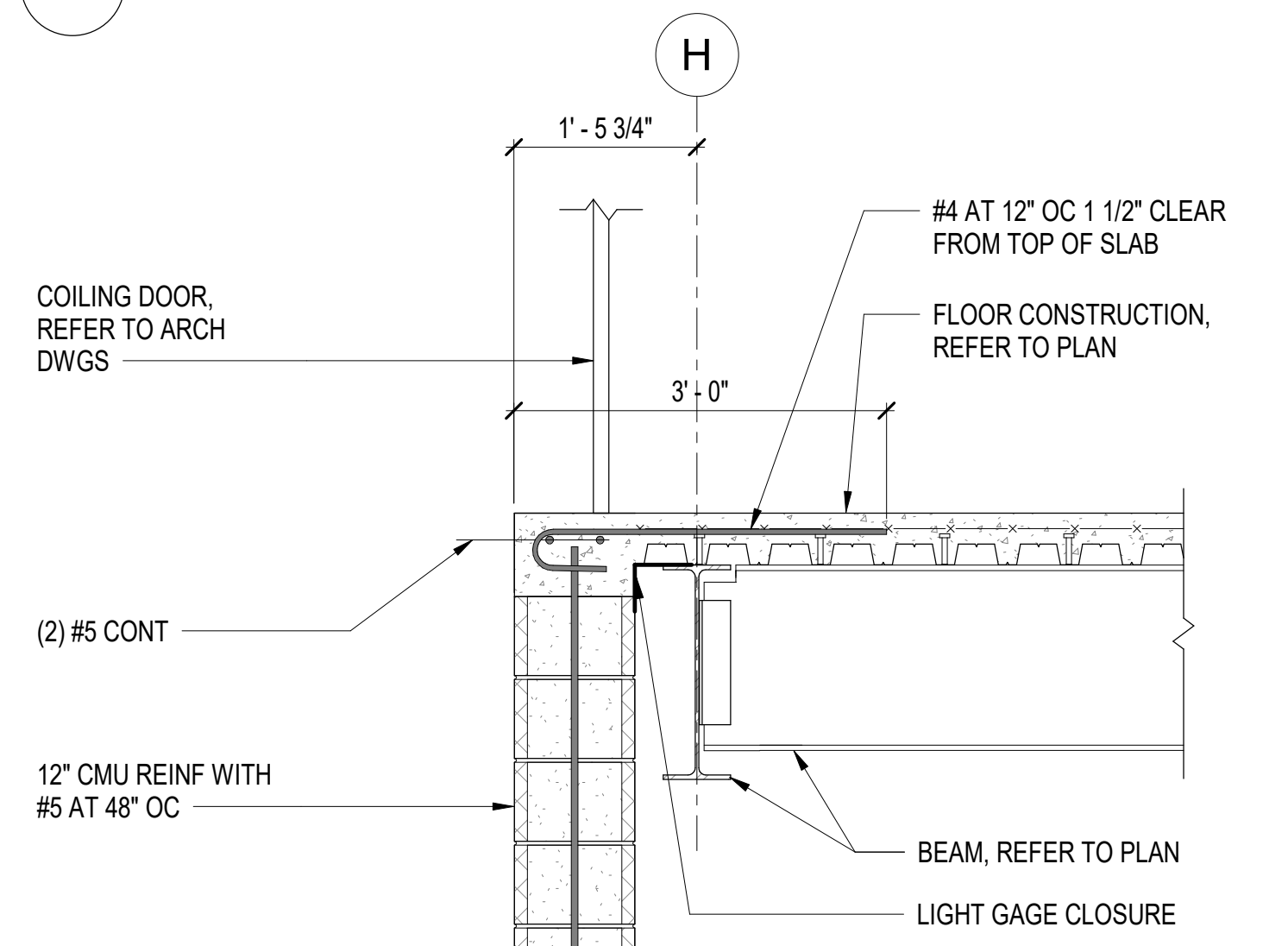
SECTION D4
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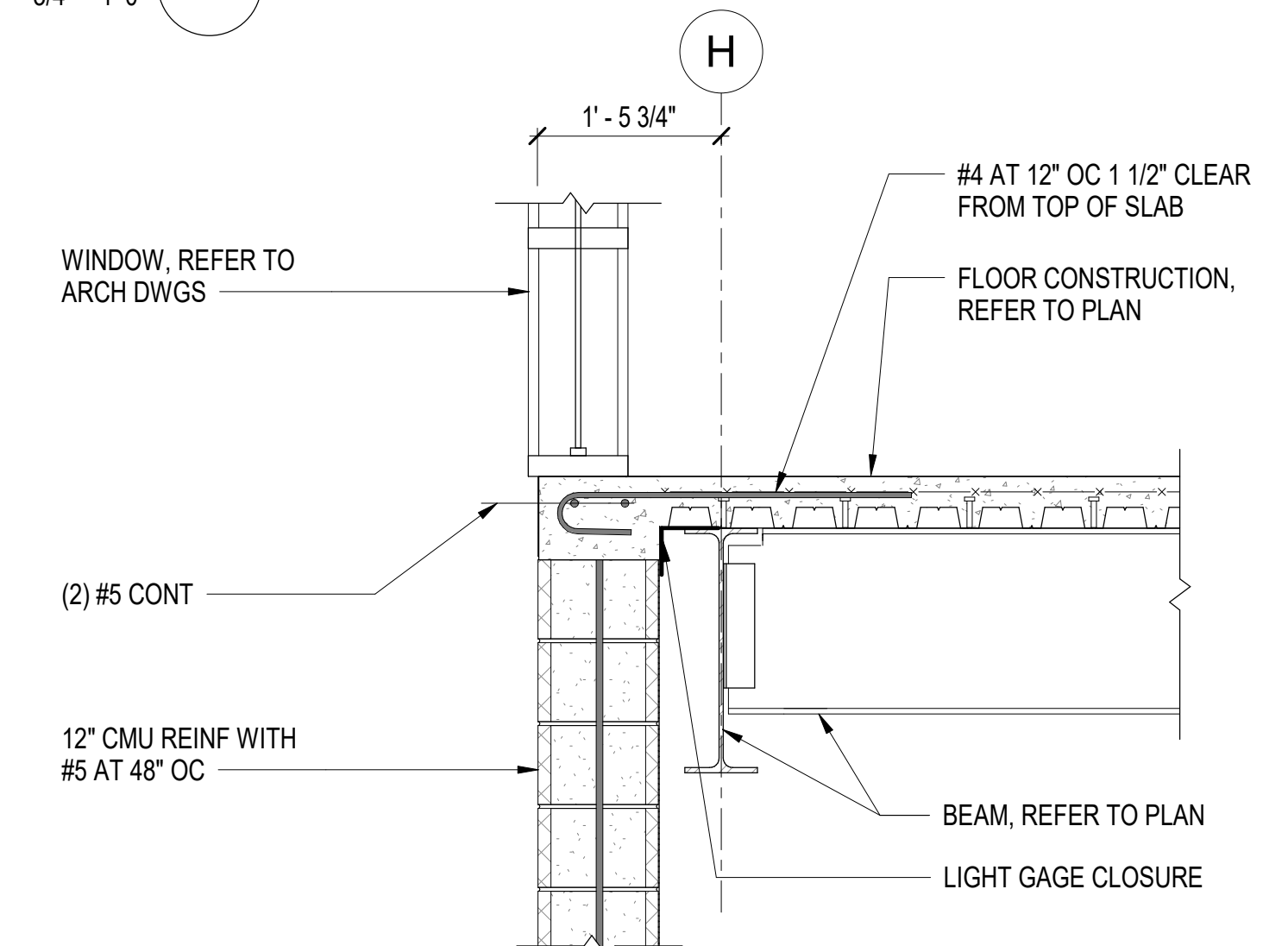
SECTION D10
3/4" = 1'-0"



SECTION A1
3/4" = 1'-0"



SECTION A5
3/4" = 1'-0"



SECTION A9
3/4" = 1'-0"

GENERAL NOTES

SCO ID # 22-25364-01A

KEY PLAN

NO REVISION DATE

Professional Engineer Seal for John K. Farrel, State of North Carolina, License No. 022650, dated 4-11-2024.

J K F
ARCHITECTURE

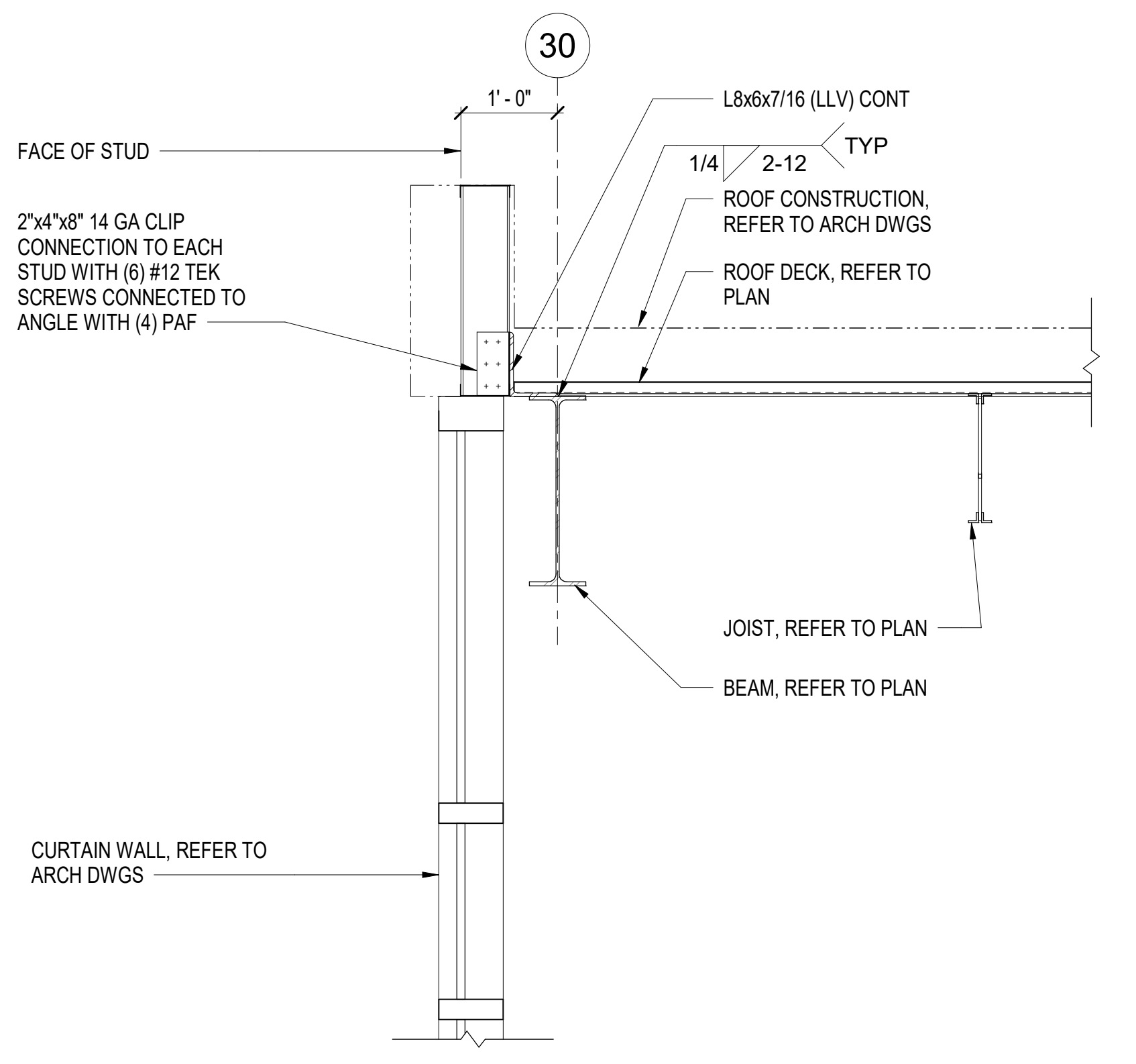
225 LYNDALE CT, SUITE F, GREENVILLE, NC 27608 252-355-1048

LENOIR COMMUNITY COLLEGE
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 KINSTON, NC

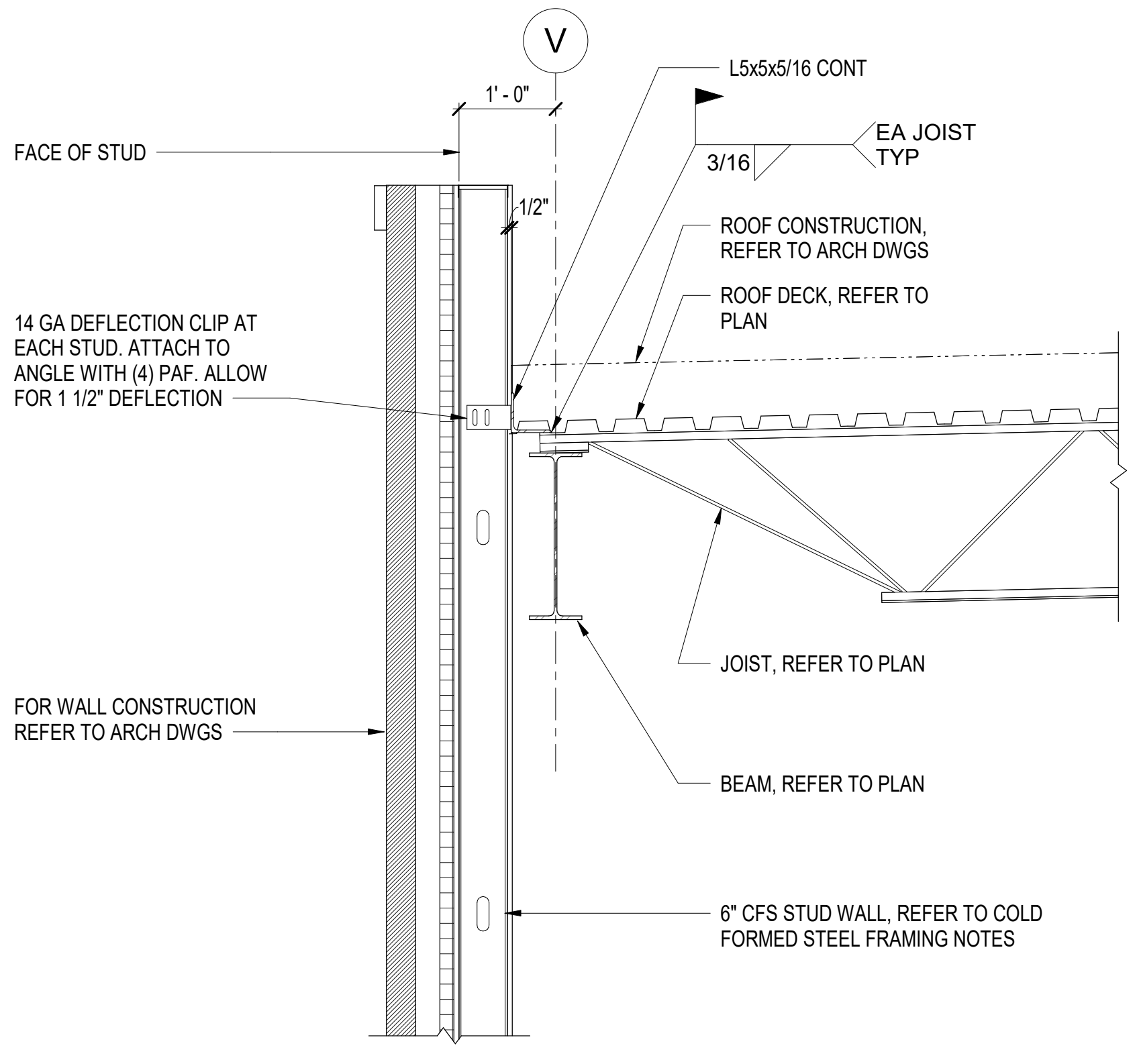
DRAWING TITLE: SECTIONS

SCALE	3/4" = 1'-0"
DRAWN	JSS
CHECKED	KMR
DATE	2-28-2024
PROJECT NO.	2022-18

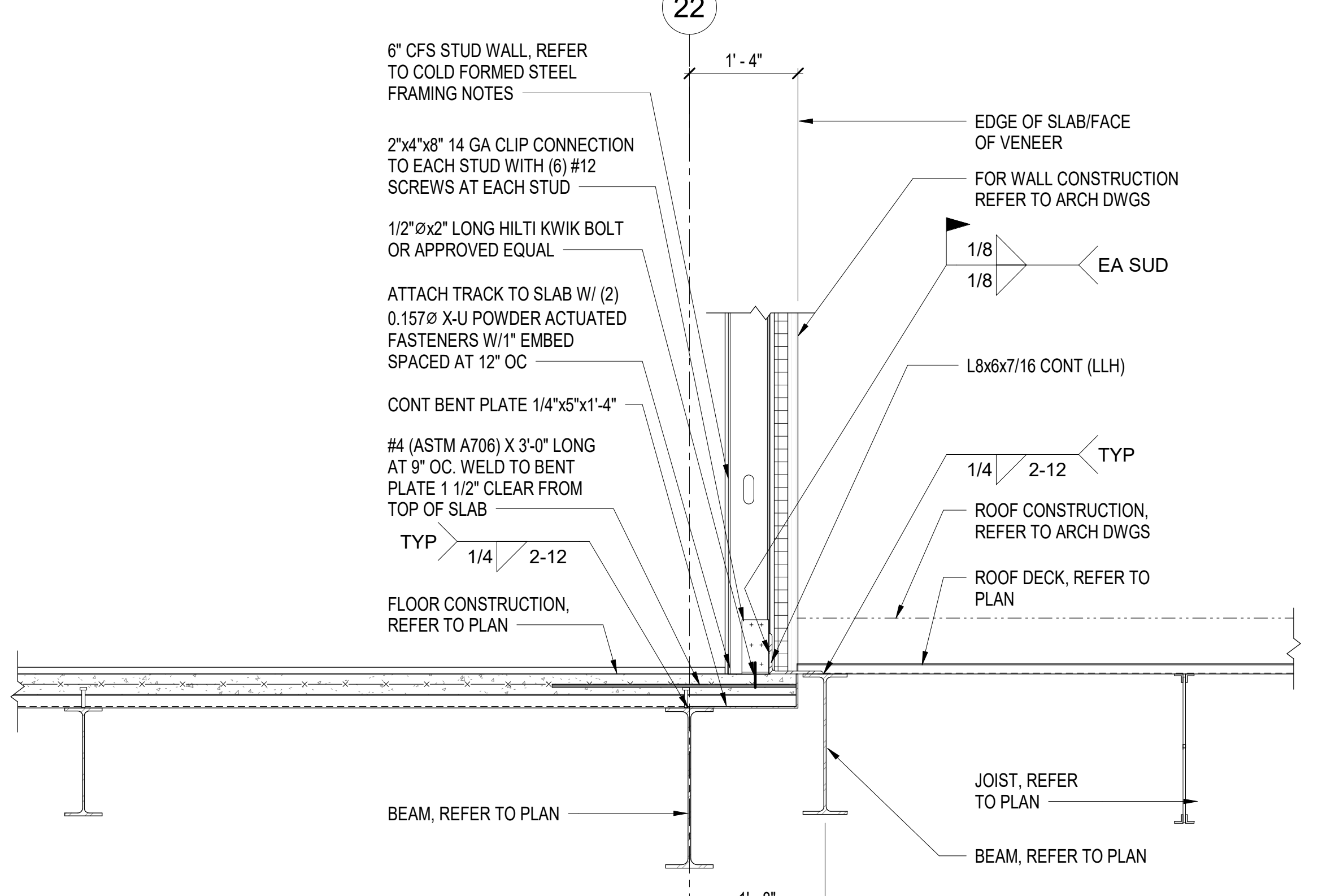
S3.2



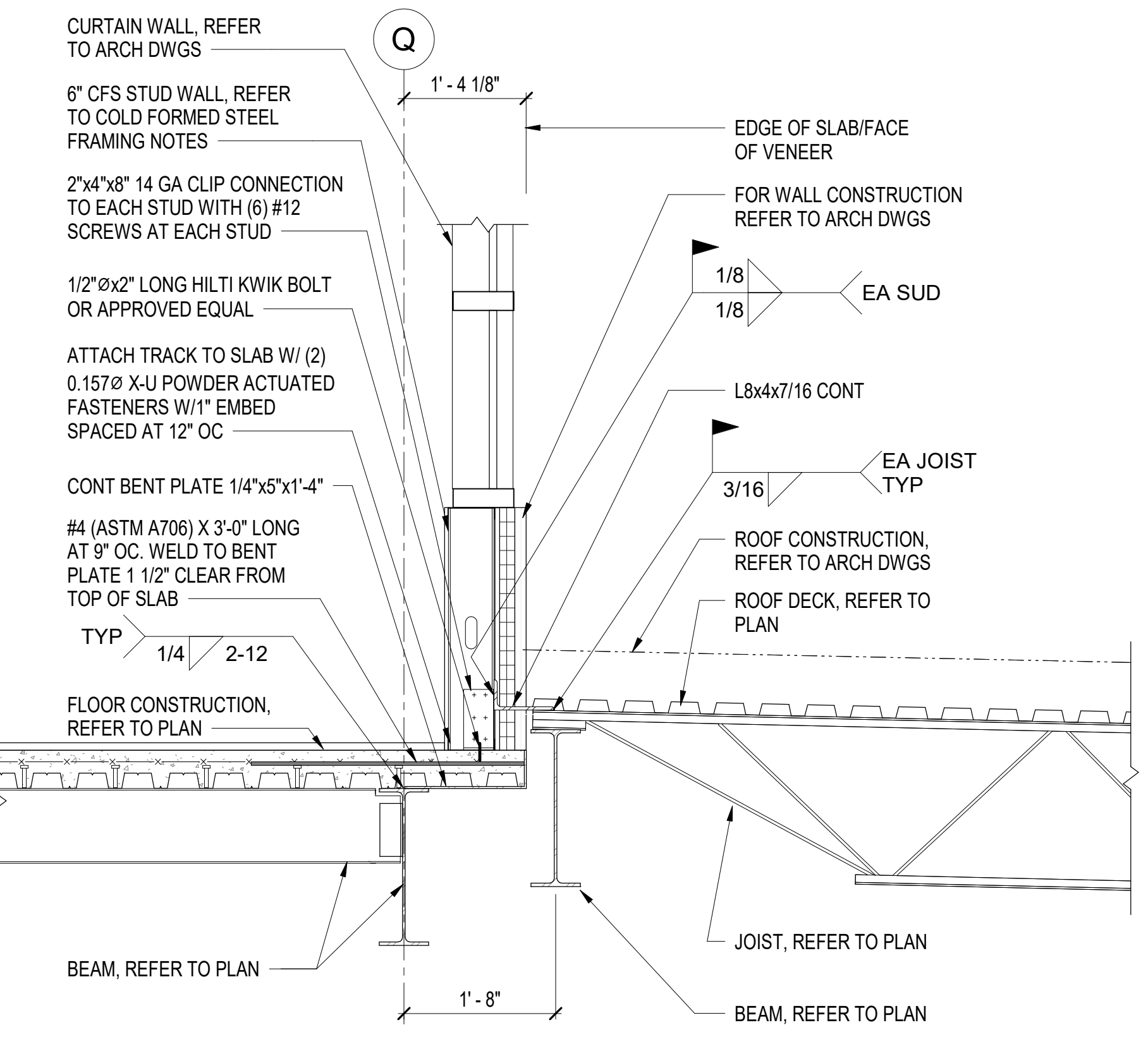
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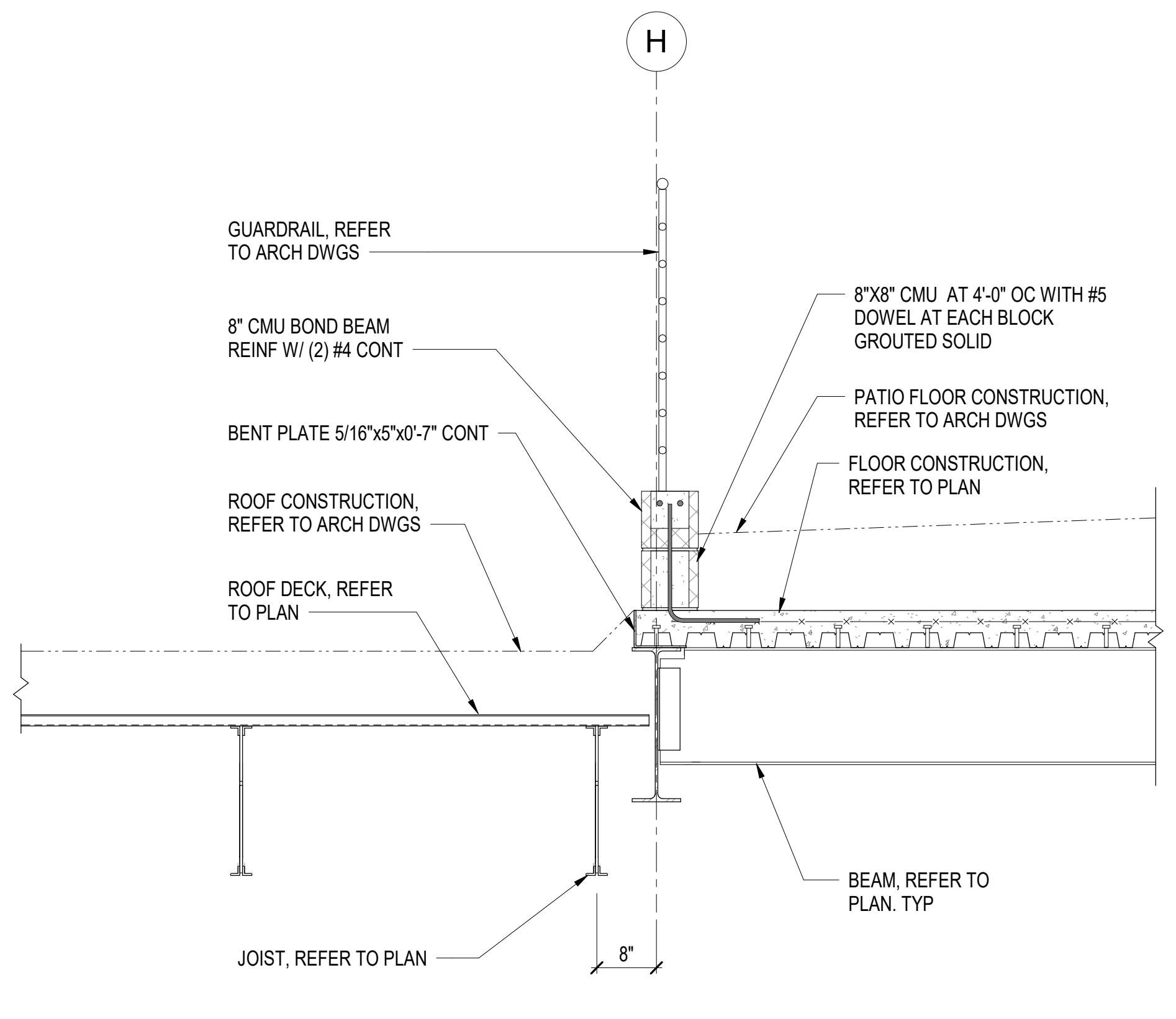
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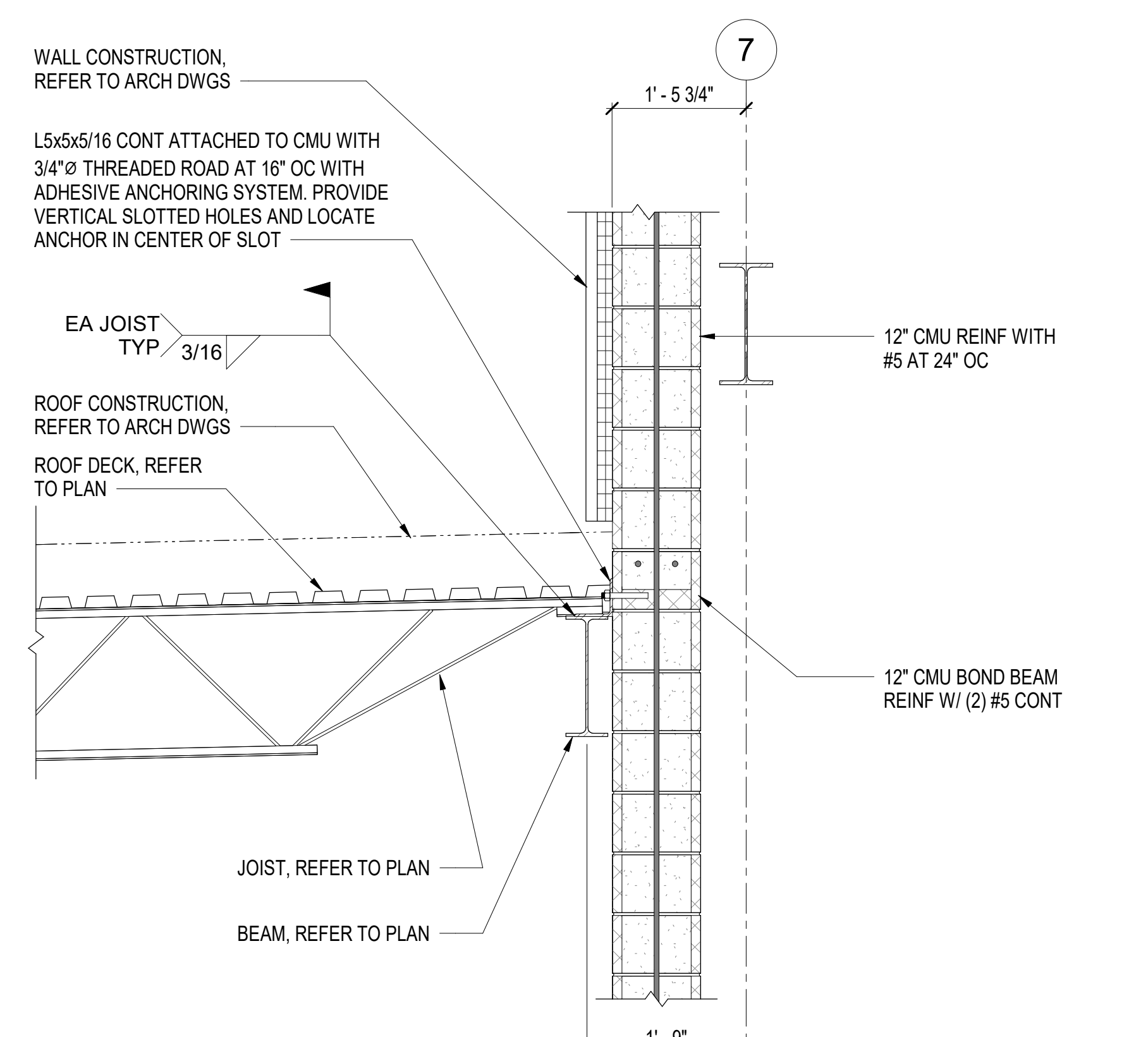
SECTION L11
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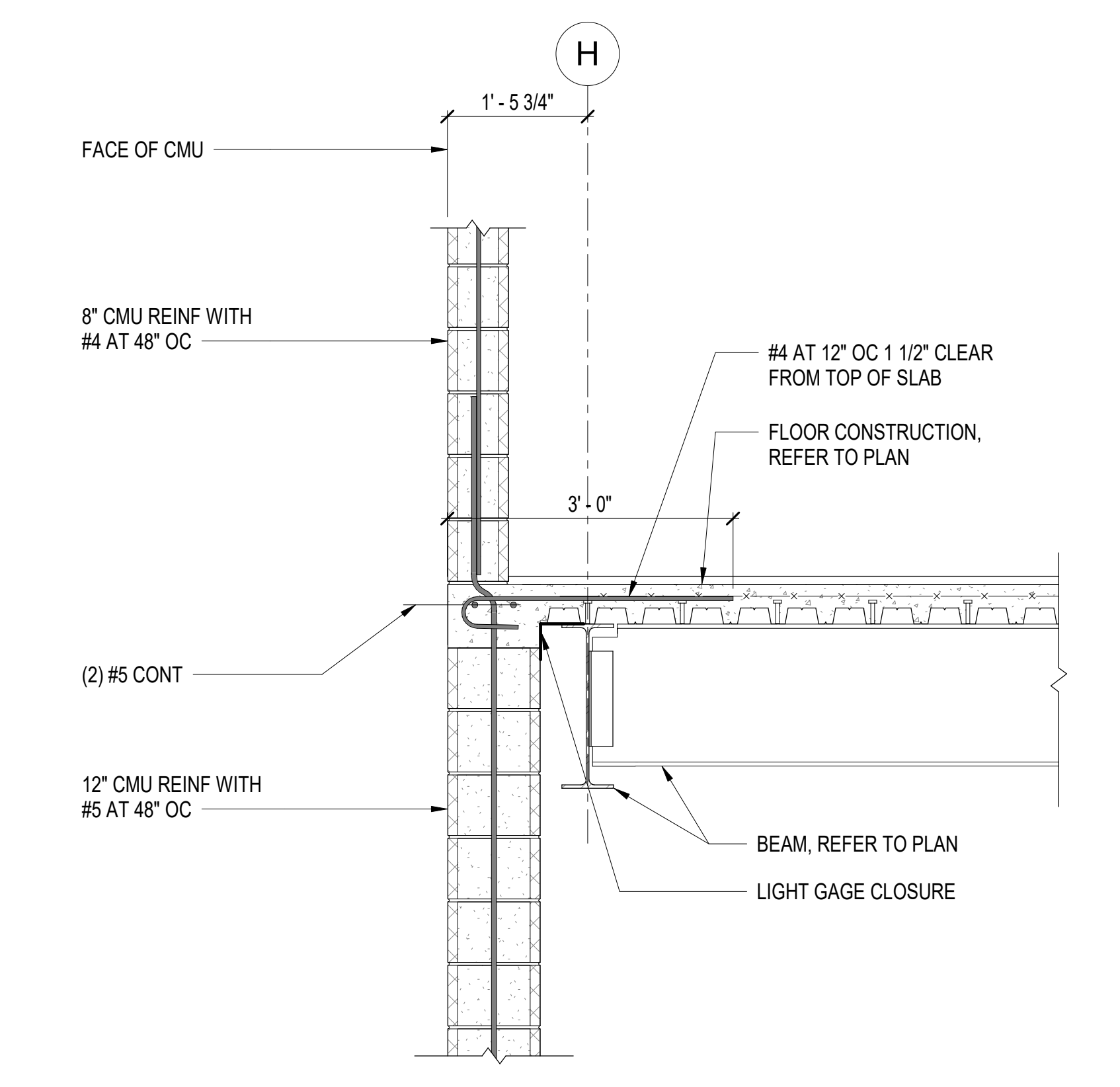
SECTION F1
3/4" = 1'-0"



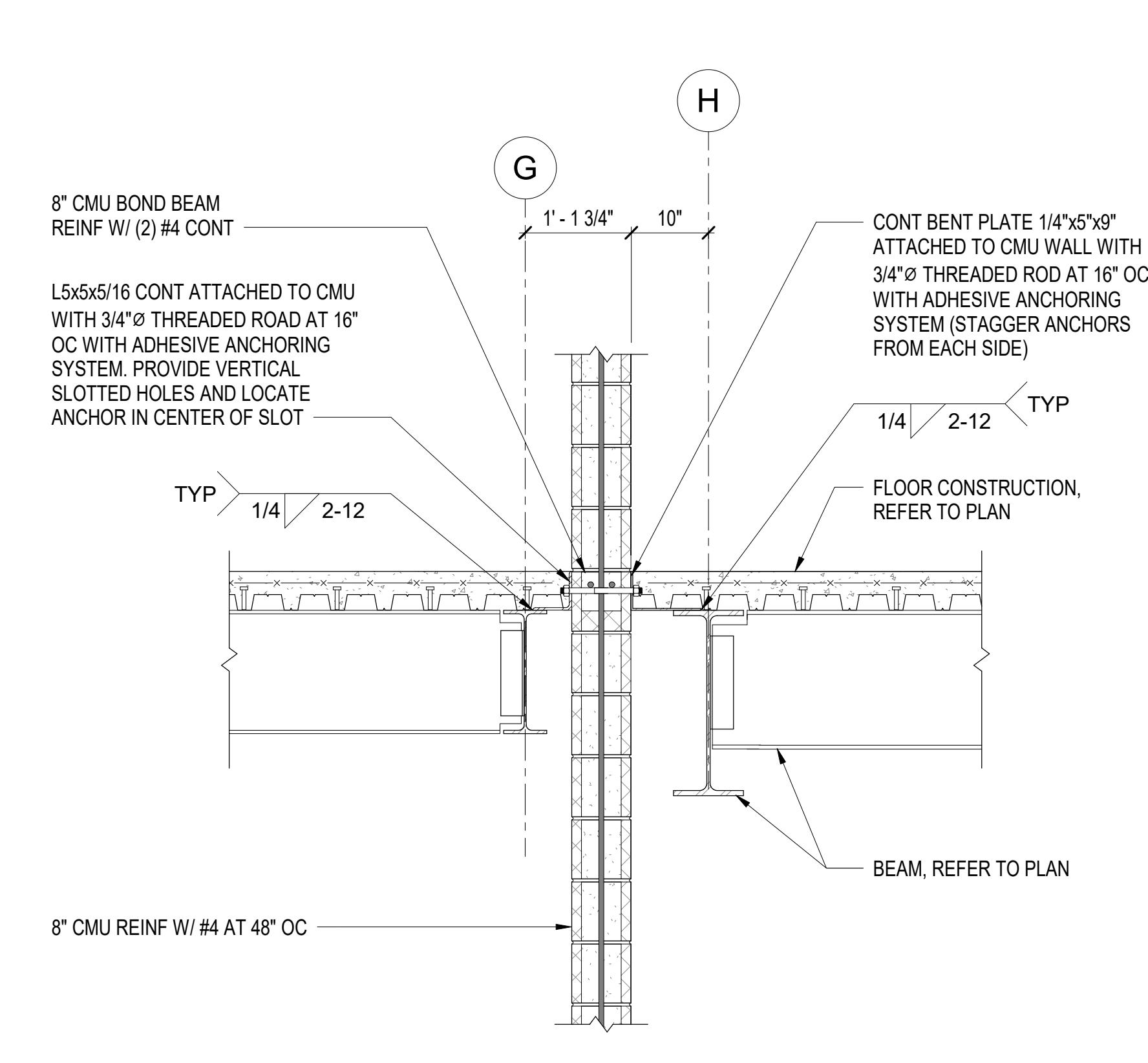
SECTION F6
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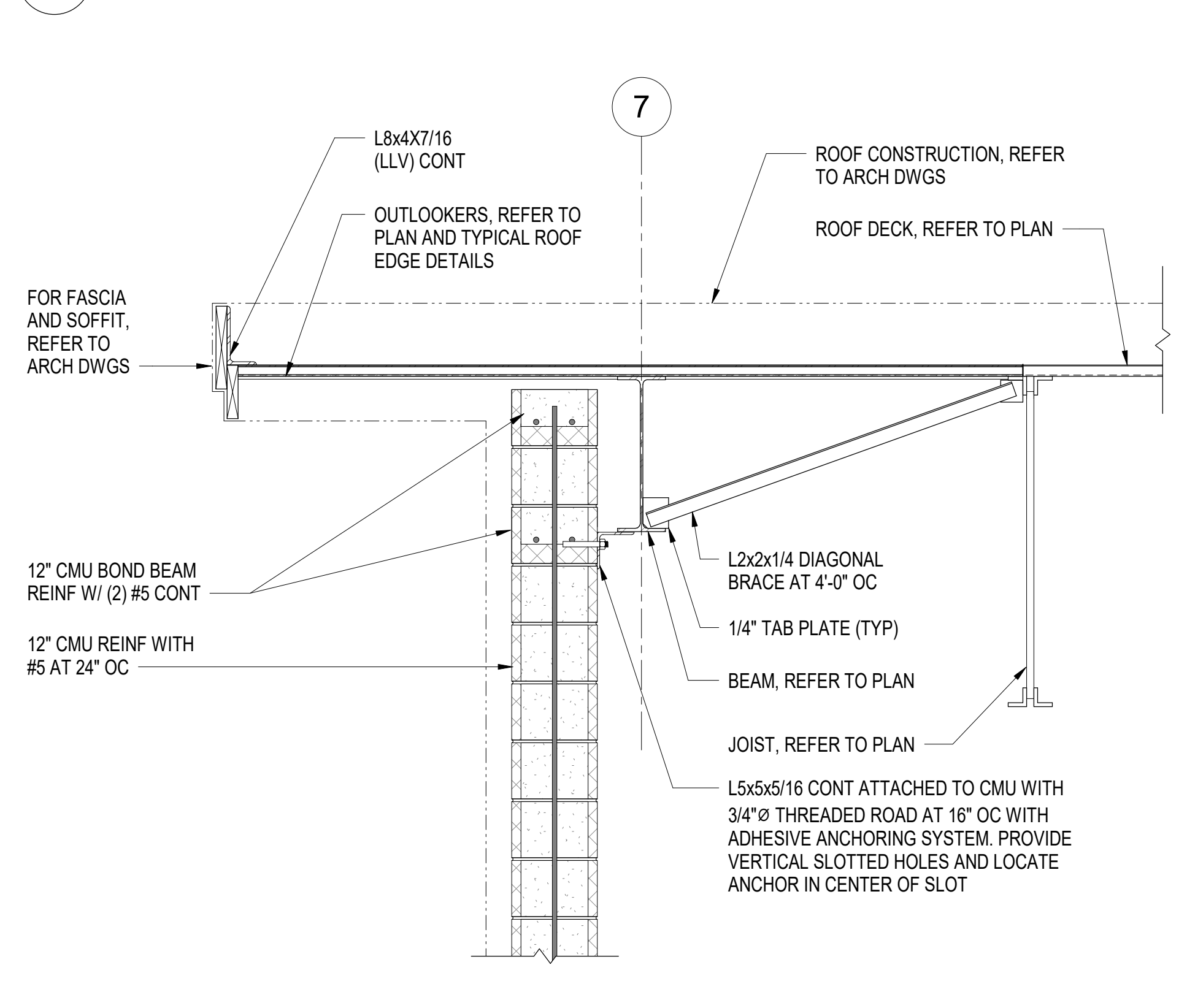
SECTION F12
3/4" = 1'-0"



SECTION A1
3/4" = 1'-0"



SECTION A6
3/4" = 1'-0"



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

GENERAL NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES AND SPECIFICATIONS.
 2. REFER TO ARCHITECTURAL DRAWINGS FOR FINISHES AND MATERIALS.
 3. ALL DIMENSIONS ARE UNLESS OTHERWISE NOTED.
 4. PROVIDE PROTECTIVE MEASURES TO EXISTING STRUCTURE DURING CONSTRUCTION.
 5. VERIFY ALL CONDITIONS BEFORE BEGINNING WORK.

KEY PLAN



SCO ID # 22-25364-01A		
NO.	REVISION	DATE

Professional Engineer Seal for Kevin M. Rounsberg, State of North Carolina, License No. 022650, dated 4-11-2024.

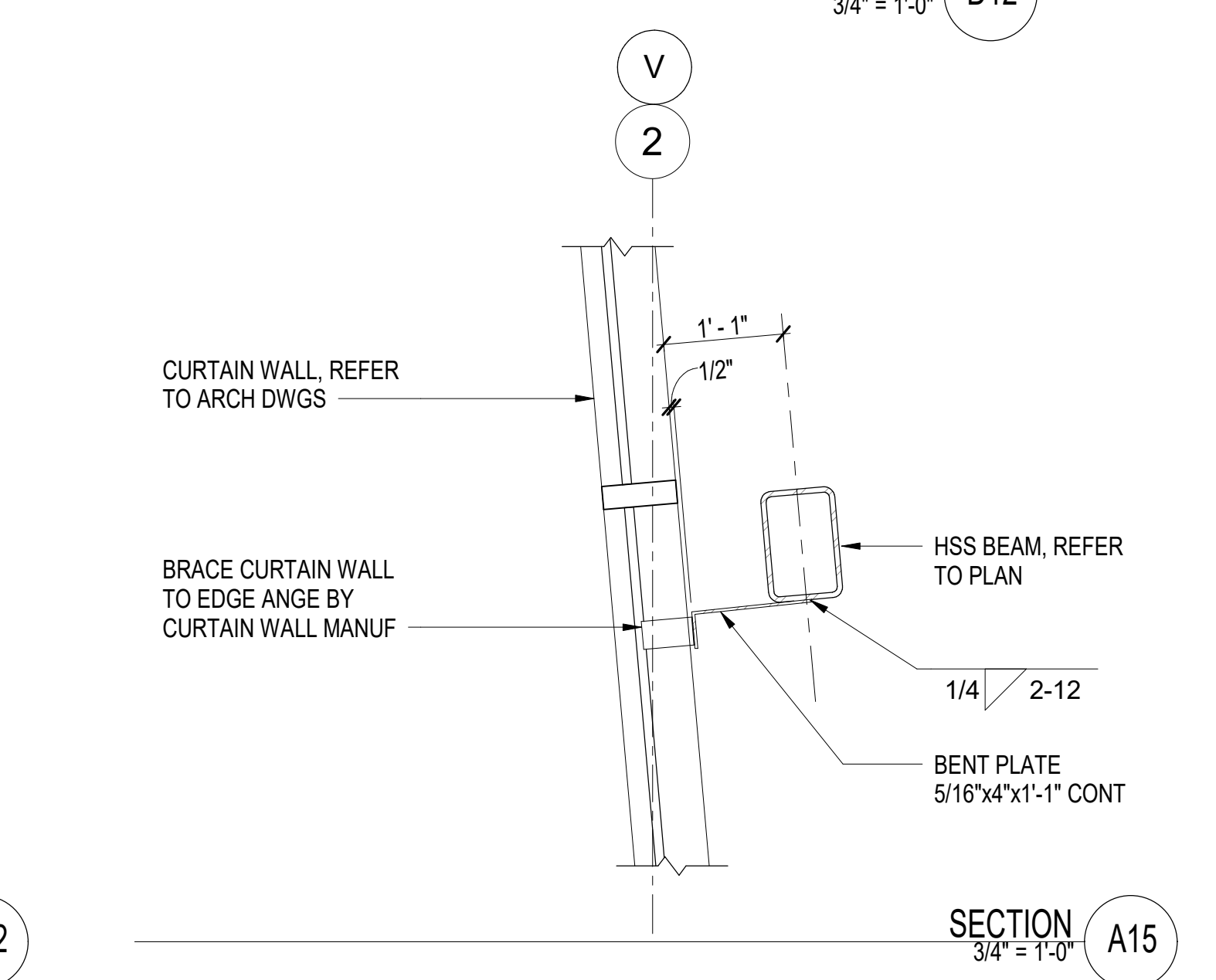
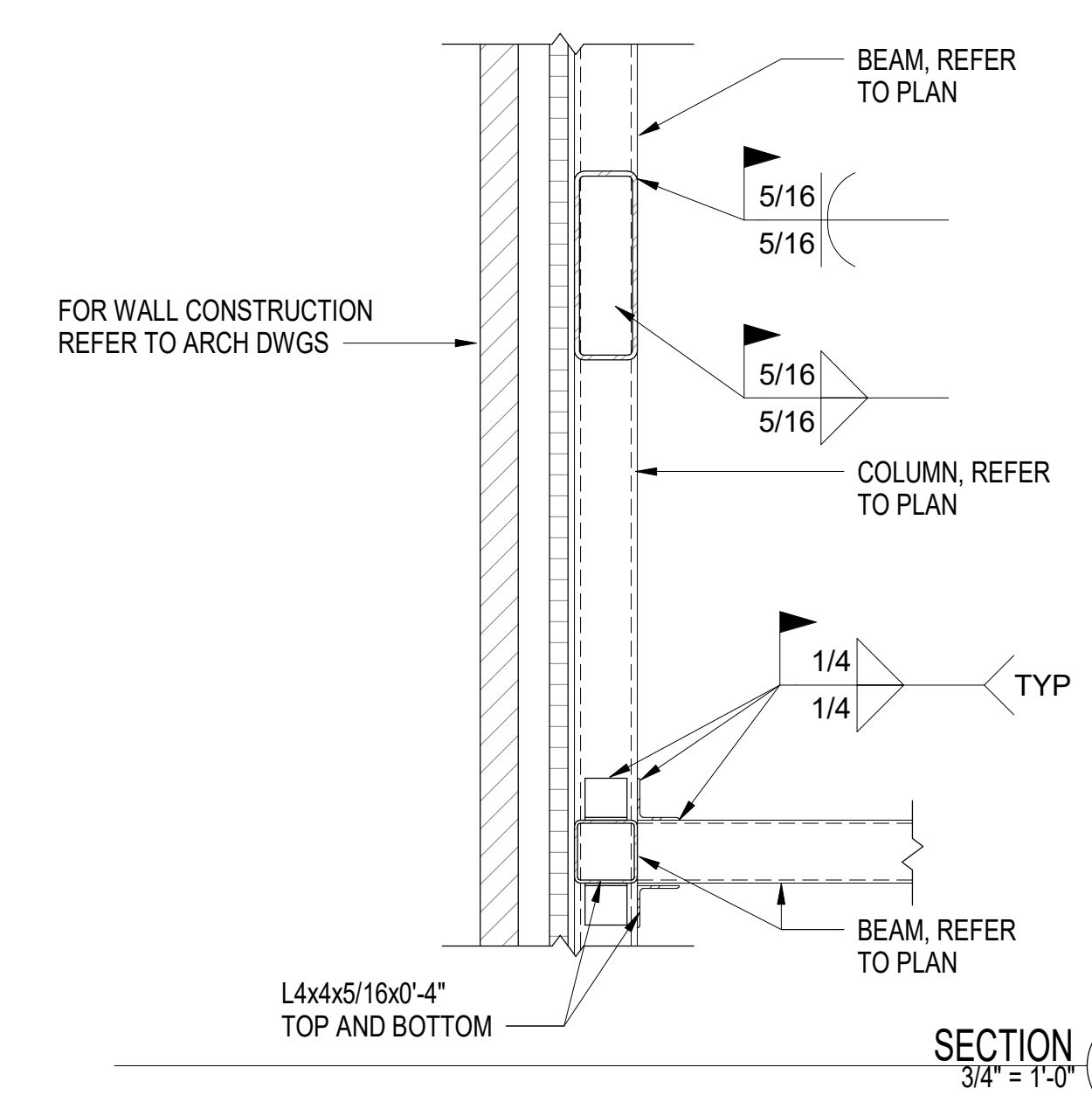
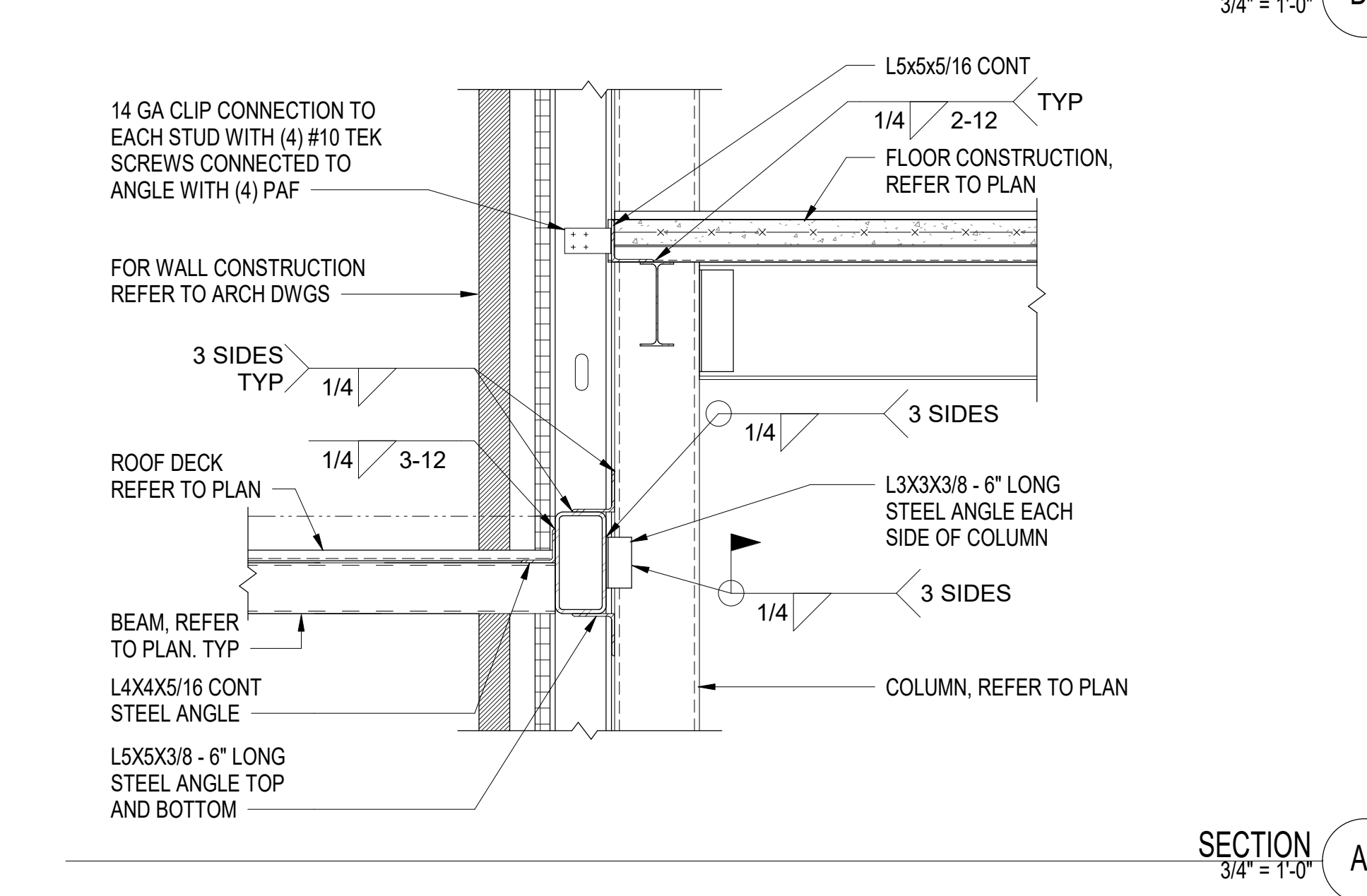
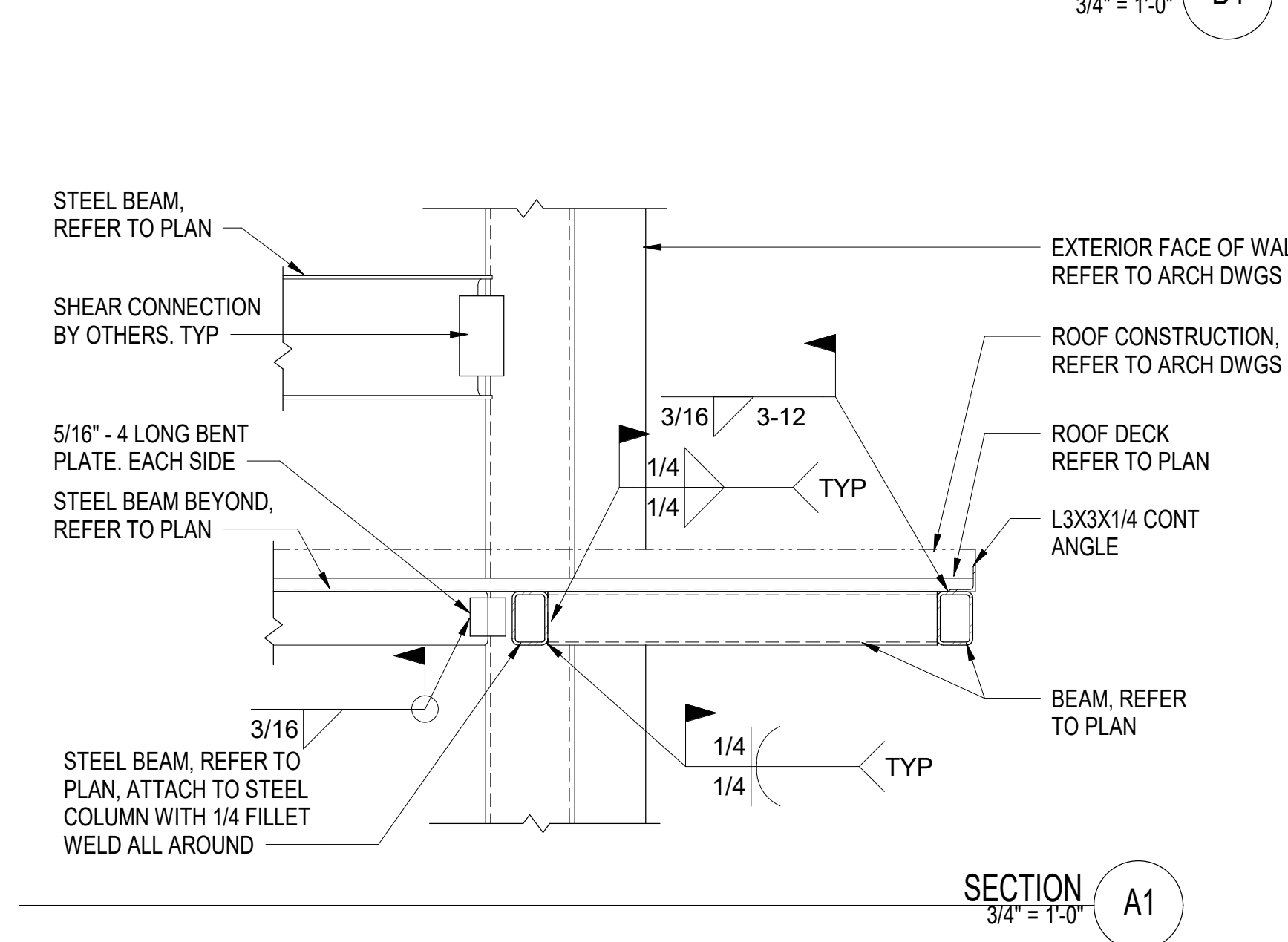
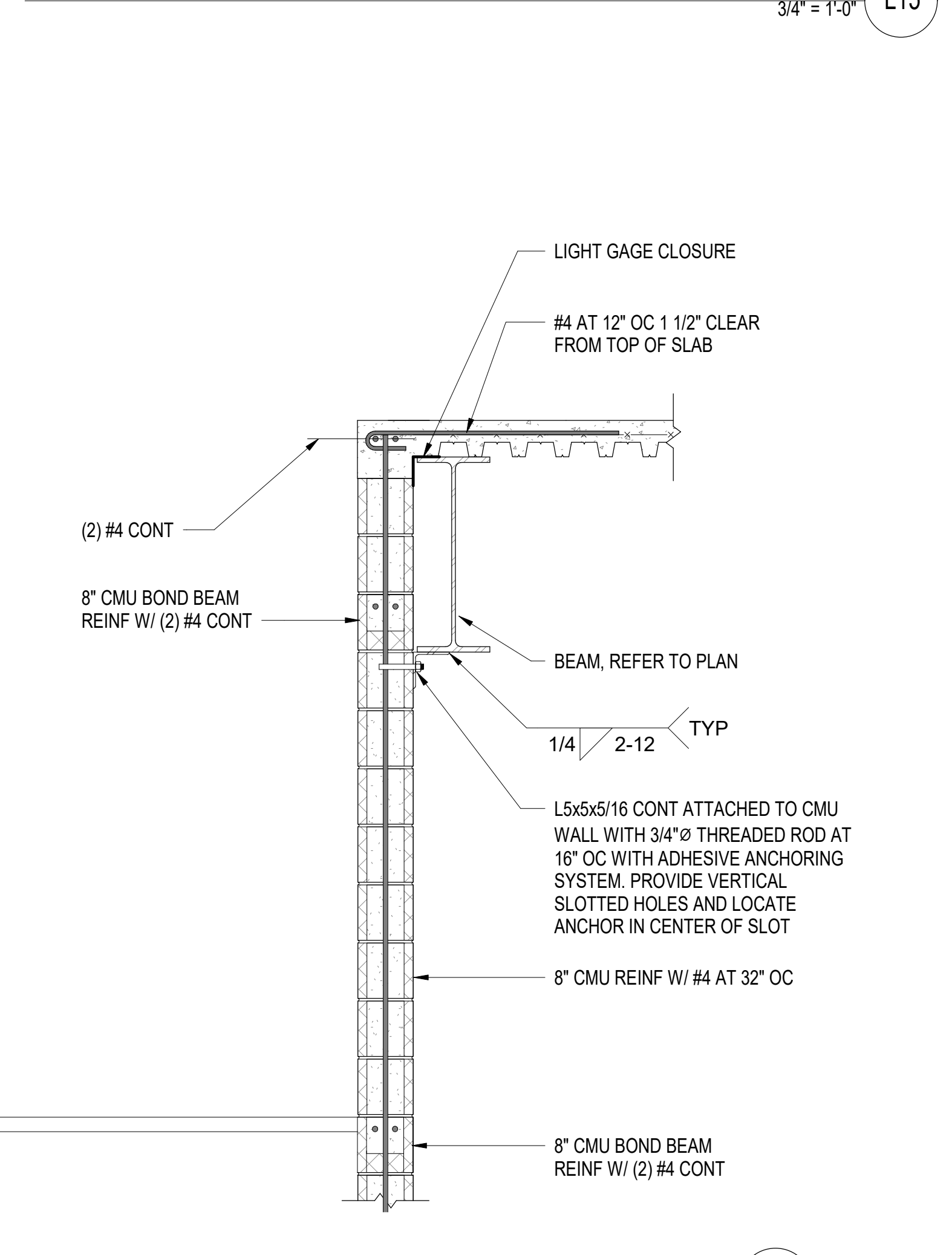
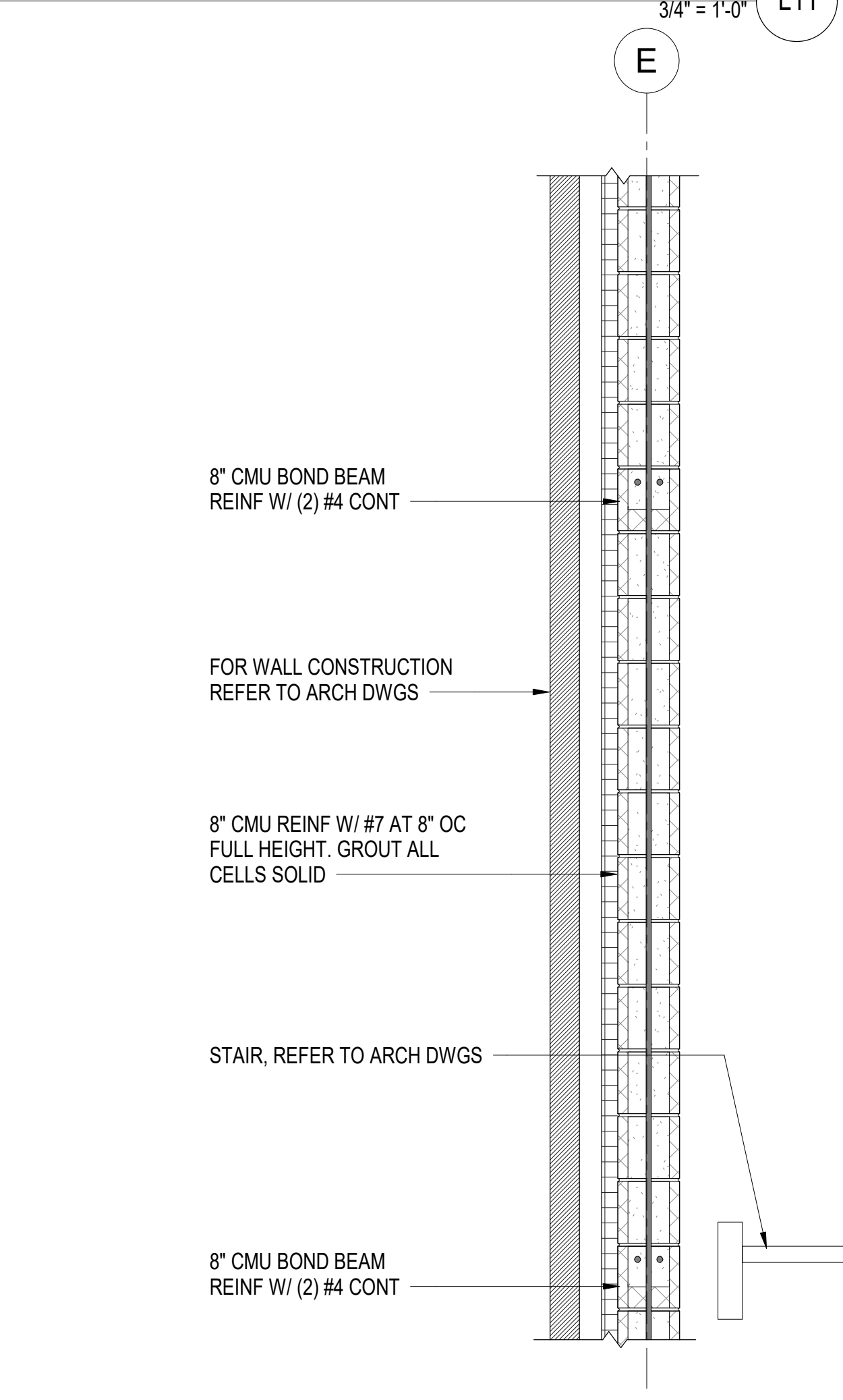
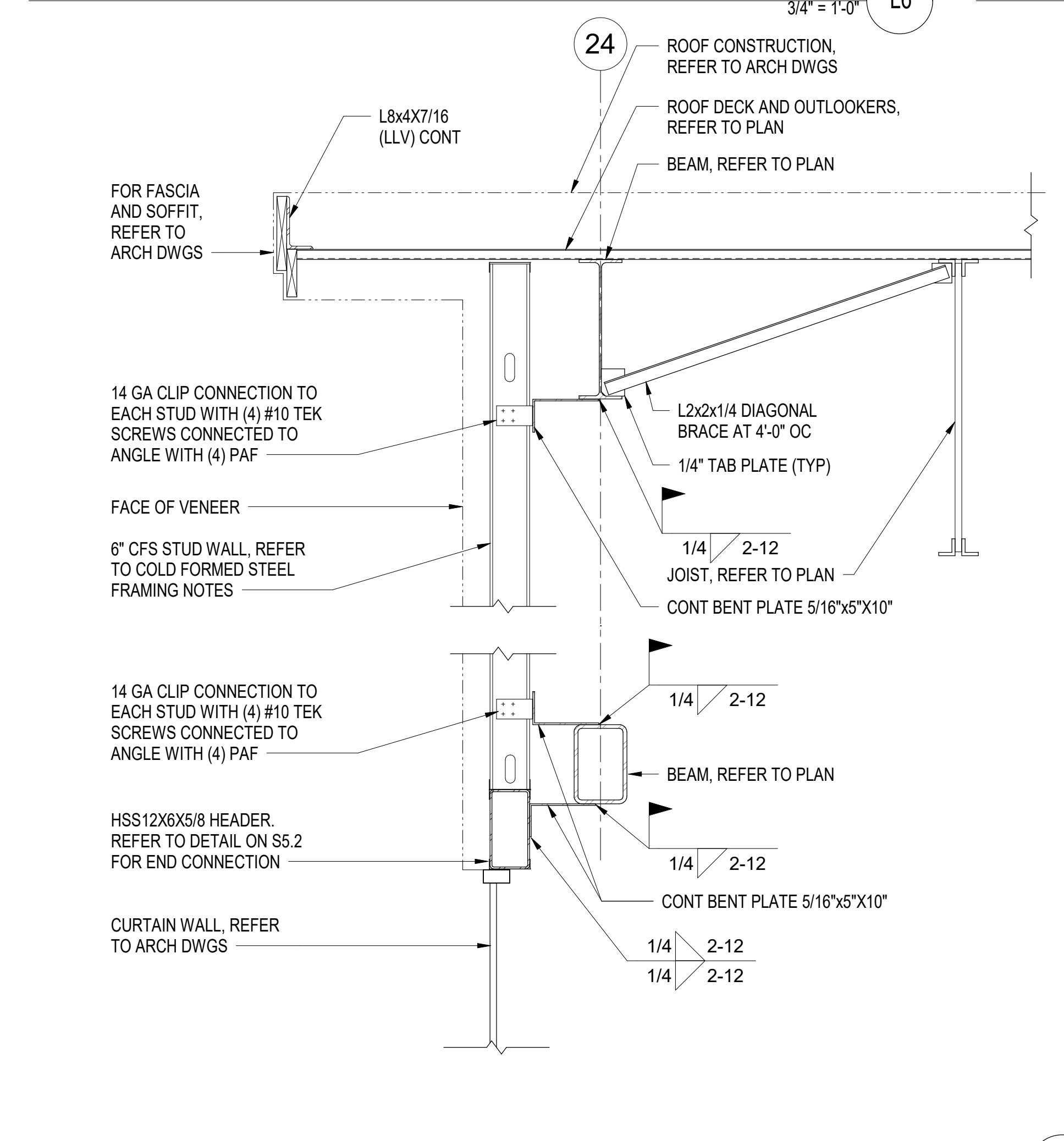
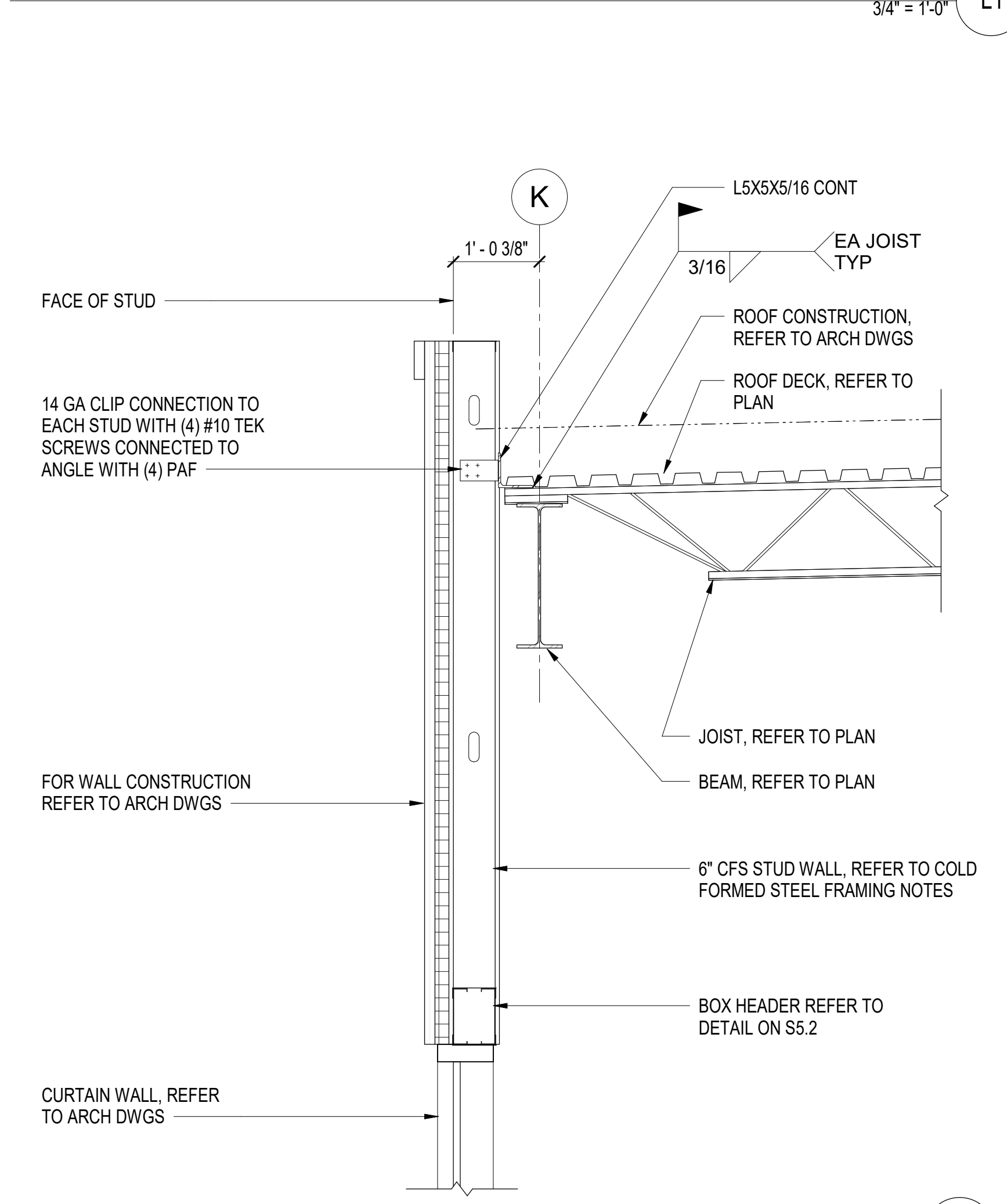
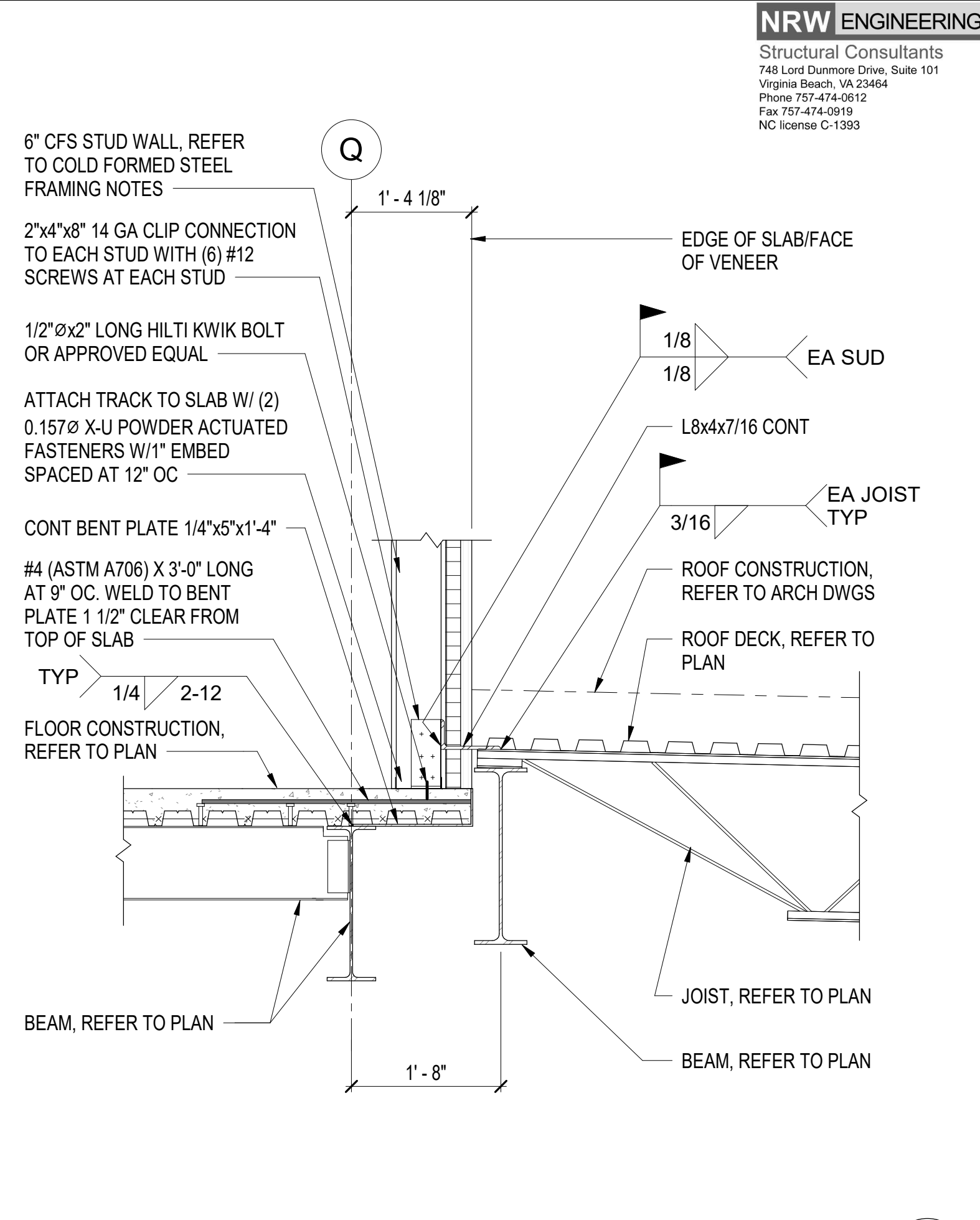
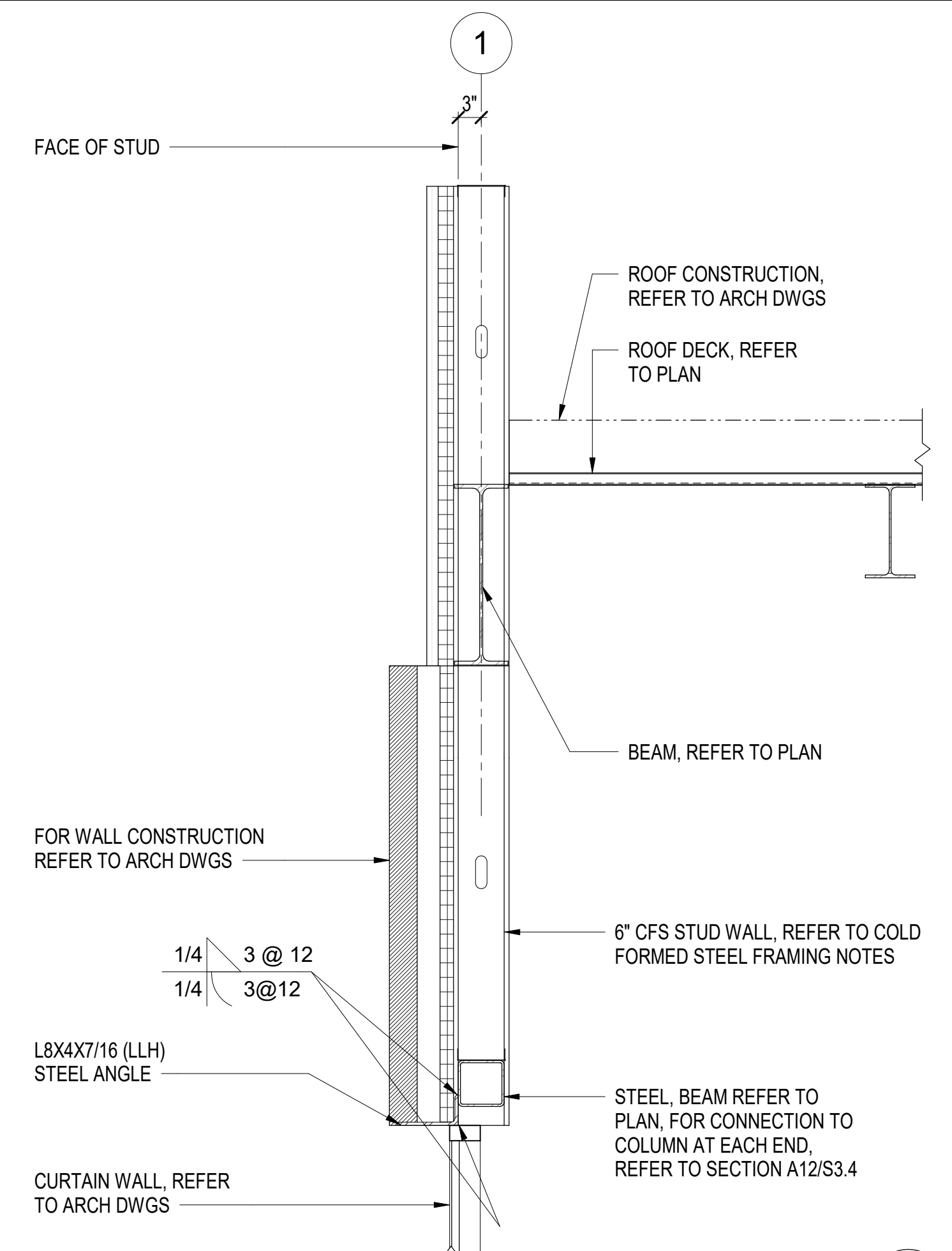
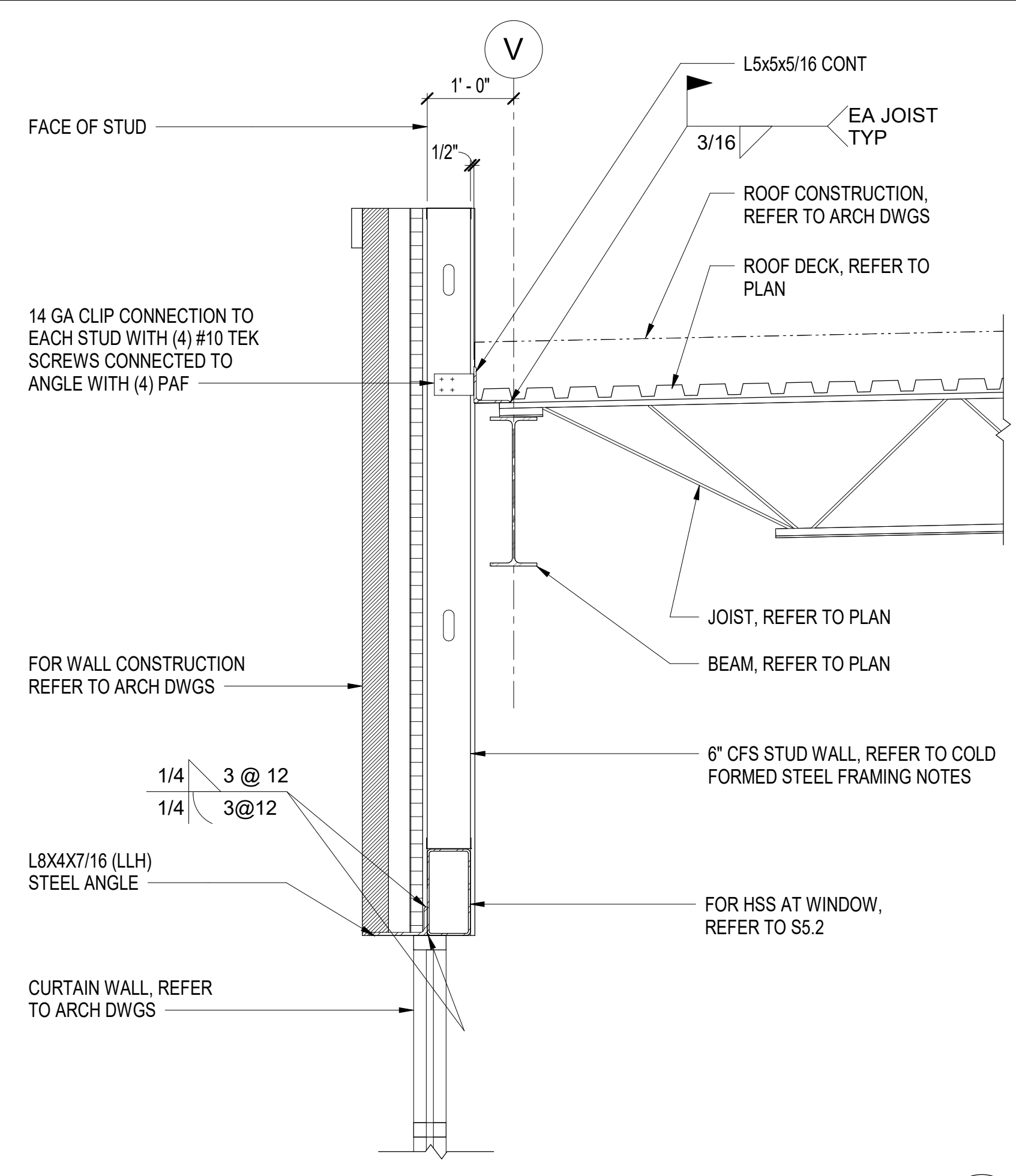
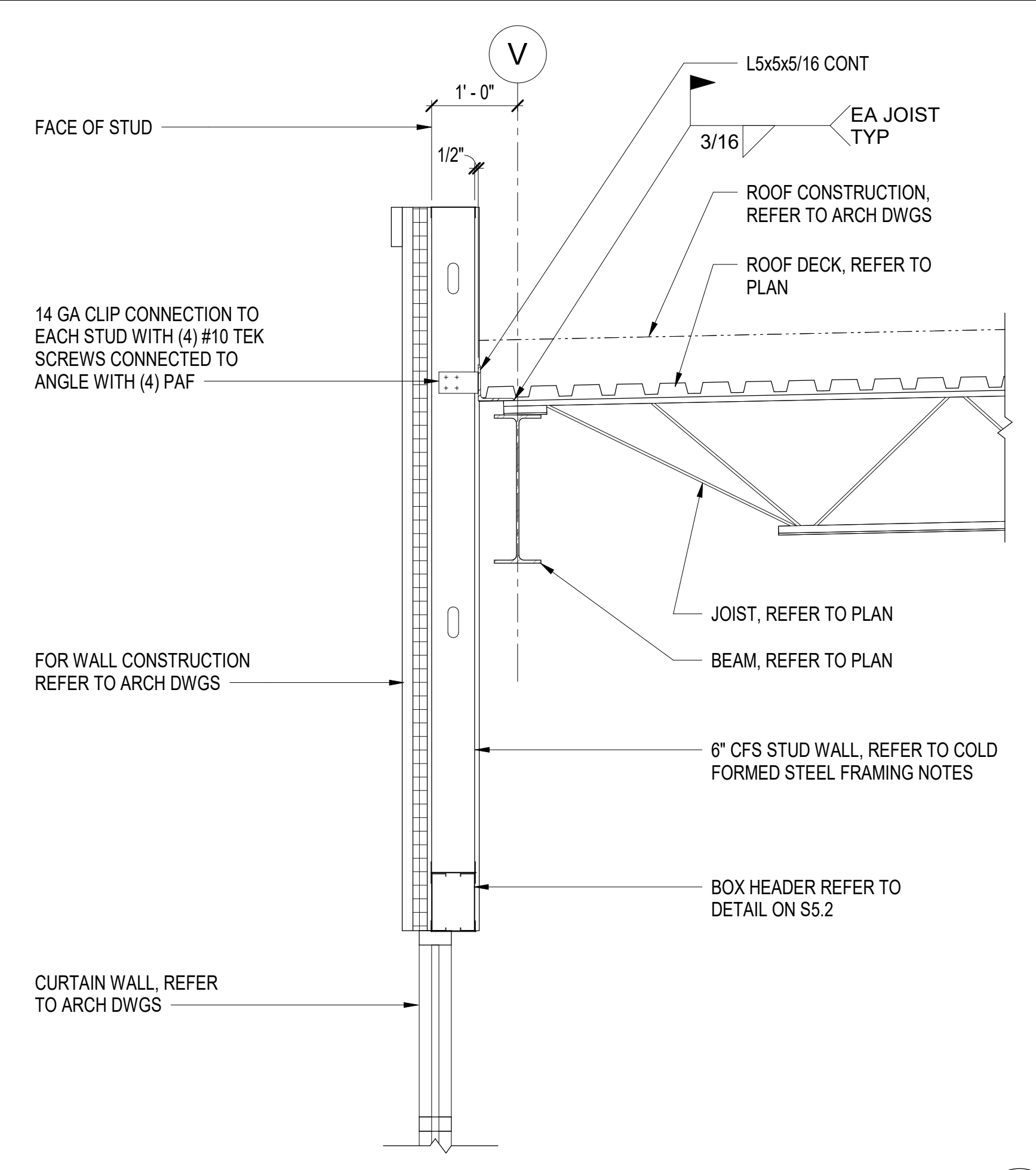
J K F
 ARCHITECTURE

LENOR COMMUNITY COLLEGE
 NEW AVIATION CENTER FOR EXCELLENCE
 KINSTON, NC

DRAWING TITLE: SECTIONS

SCALE	3/4" = 1'-0"
DRAWN	JSS
CHECKED	KMR
DATE	2-28-2024
PROJECT NO.	2022-18

S3.3



GENERAL NOTES

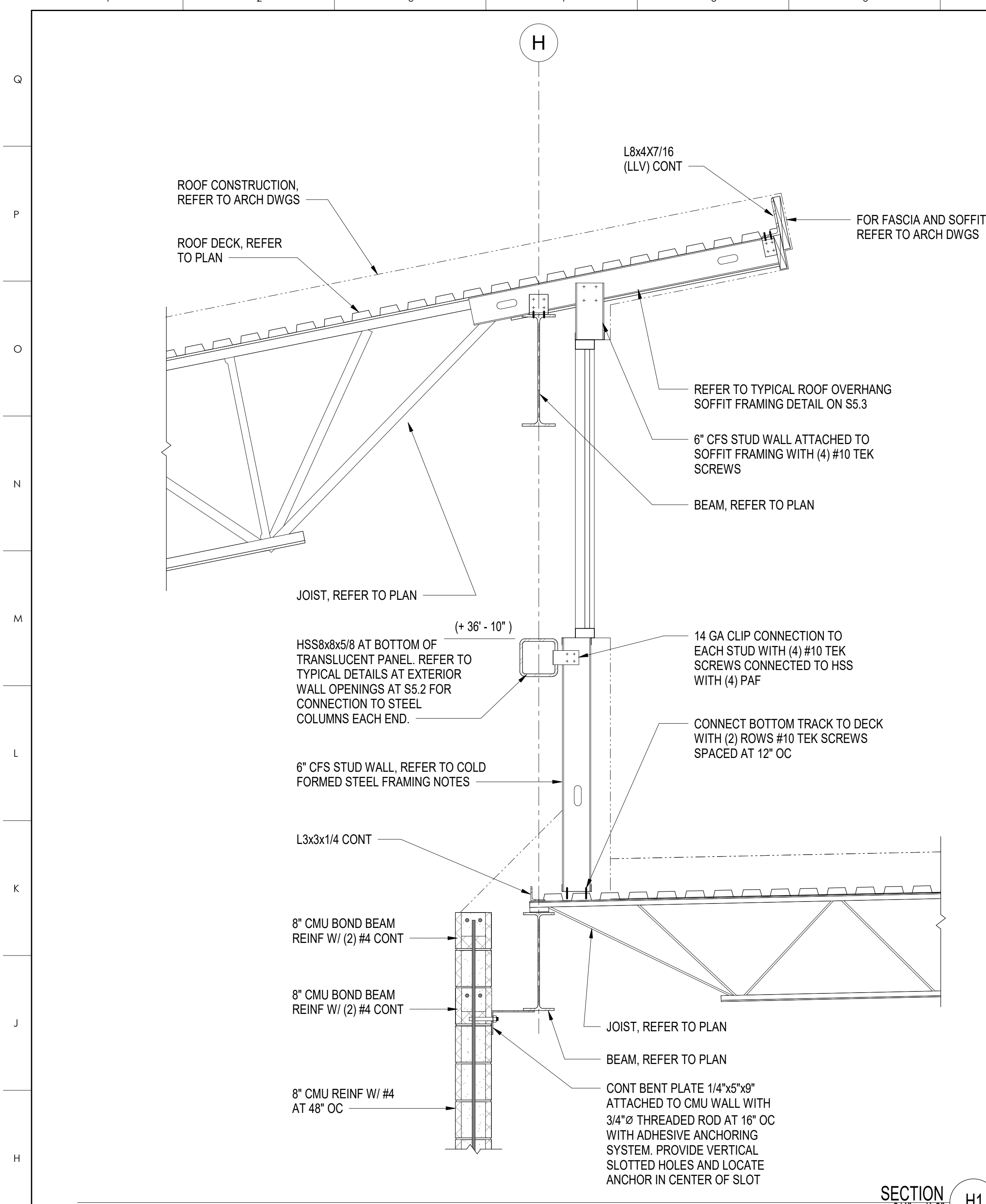
KEY PLAN

SCO ID # 22-25364-01A

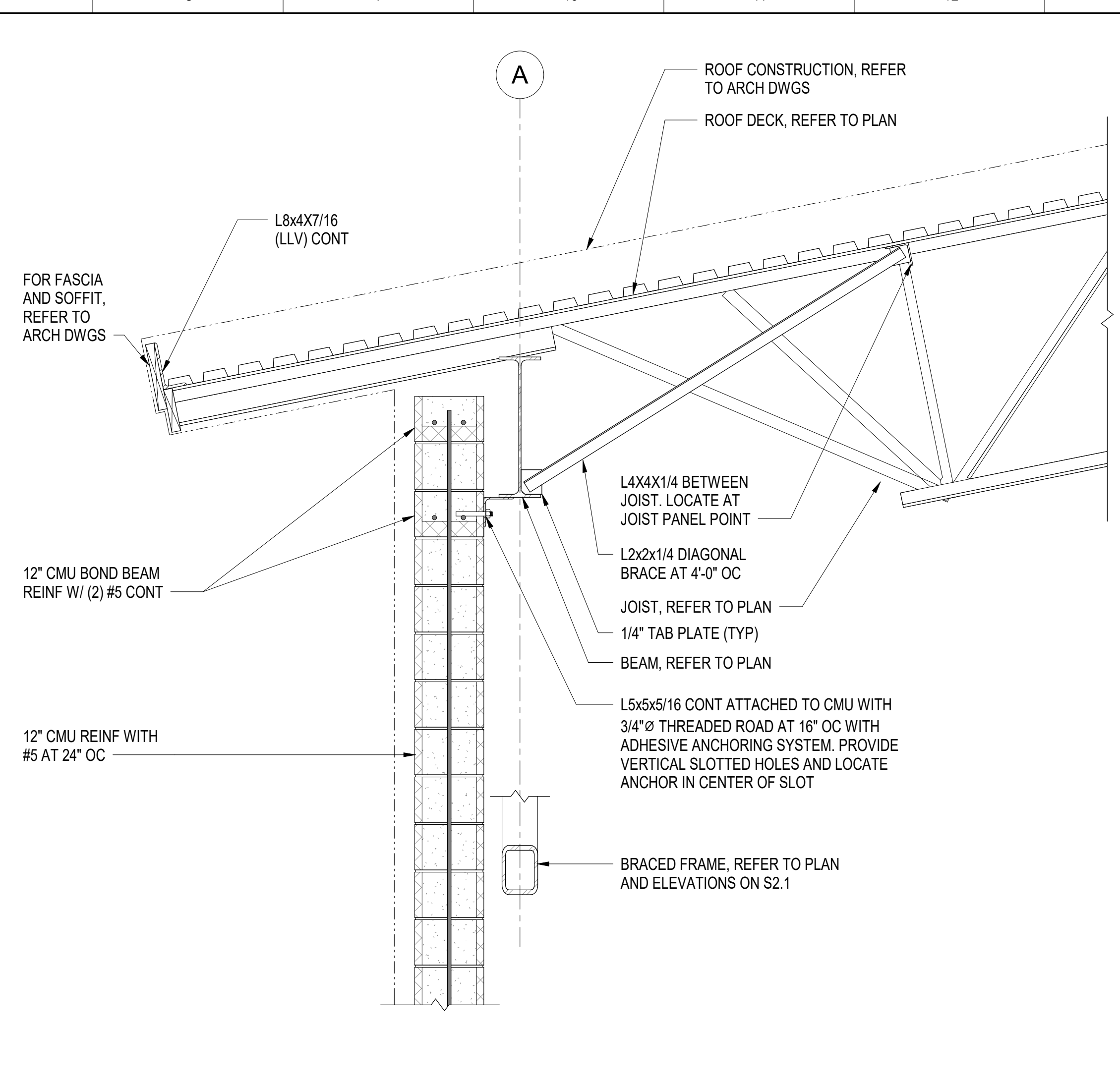
NO	REVISION	DATE

LENOIR COMMUNITY COLLEGE
 NEW AVIATION CENTER FOR EXCELLENCE
 KINSTON, NC

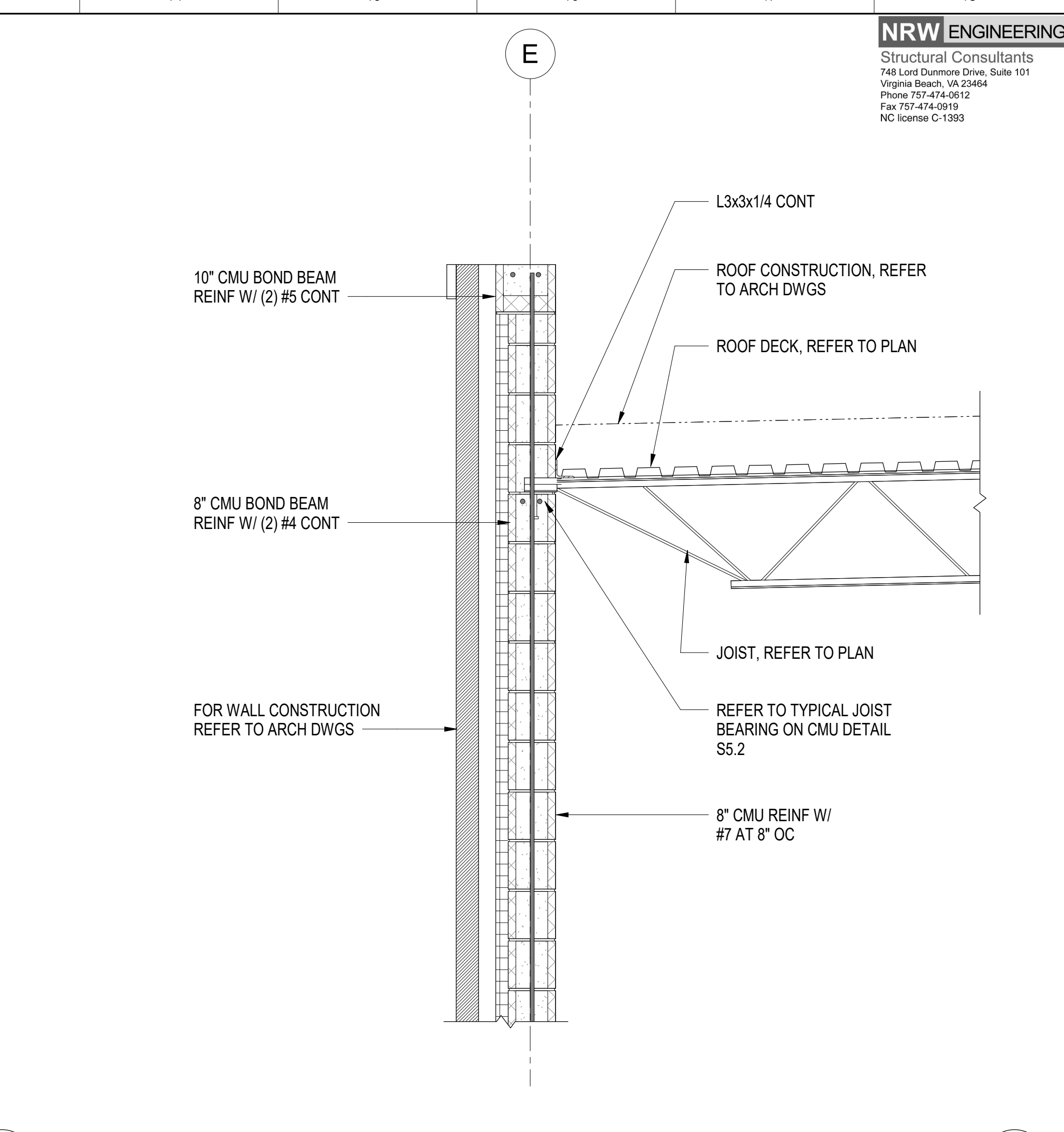
SCALE	AS SHOWN
DRAWN	Author
CHECKED	Checker
DATE	2-28-2024
PROJECT NO.	2022-18



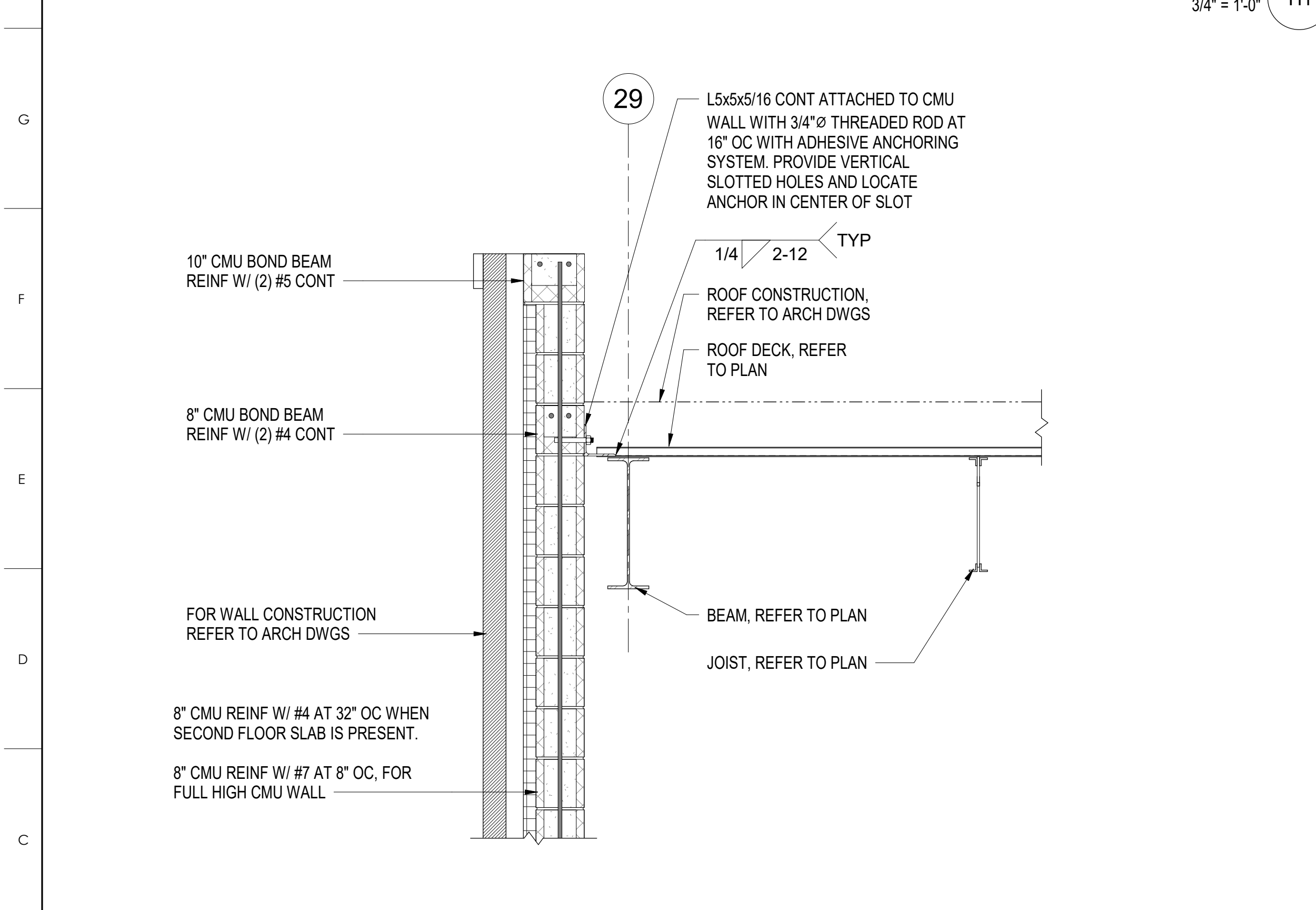
SECTION H1
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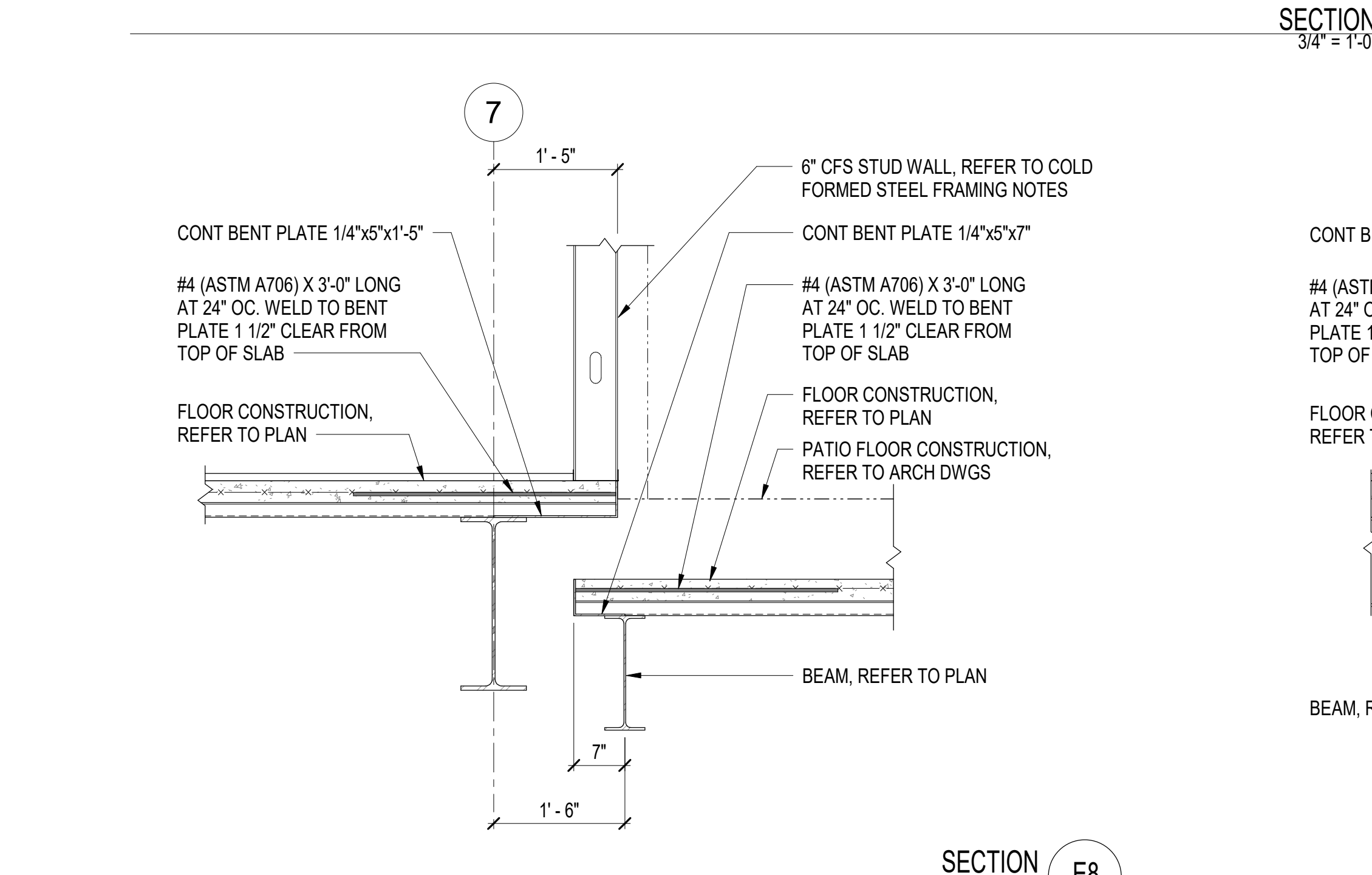
SECTION A
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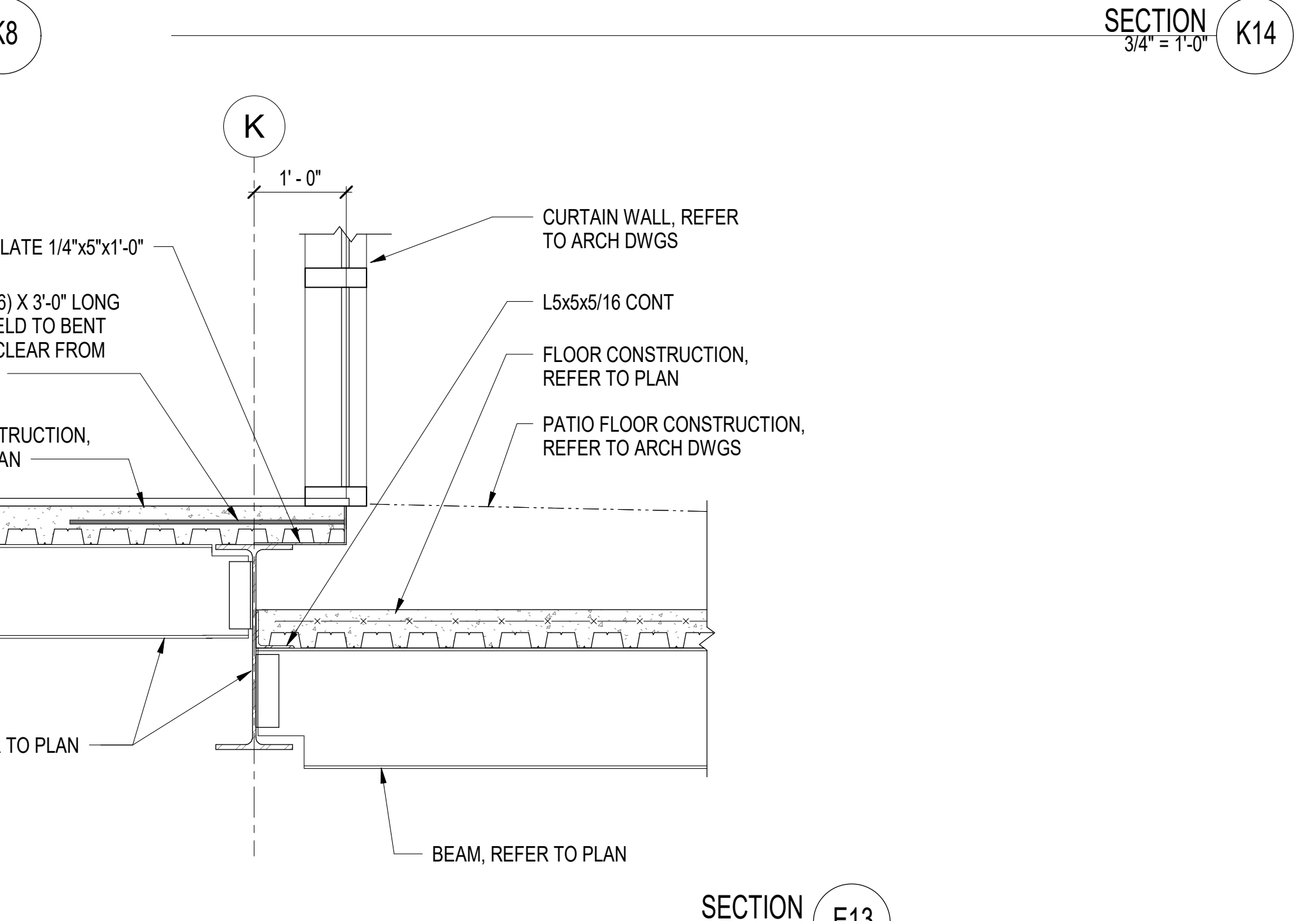
SECTION E
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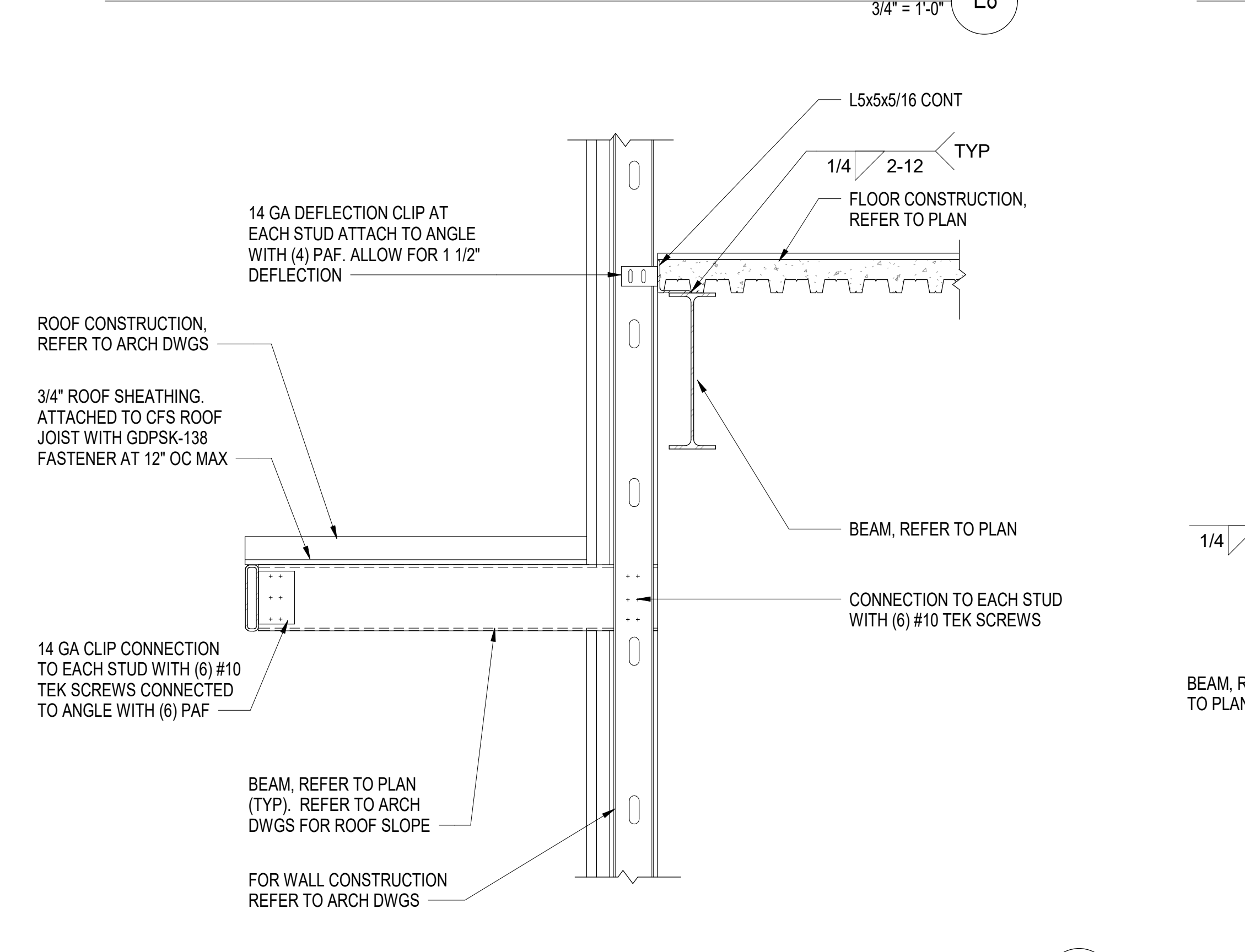
SECTION B1
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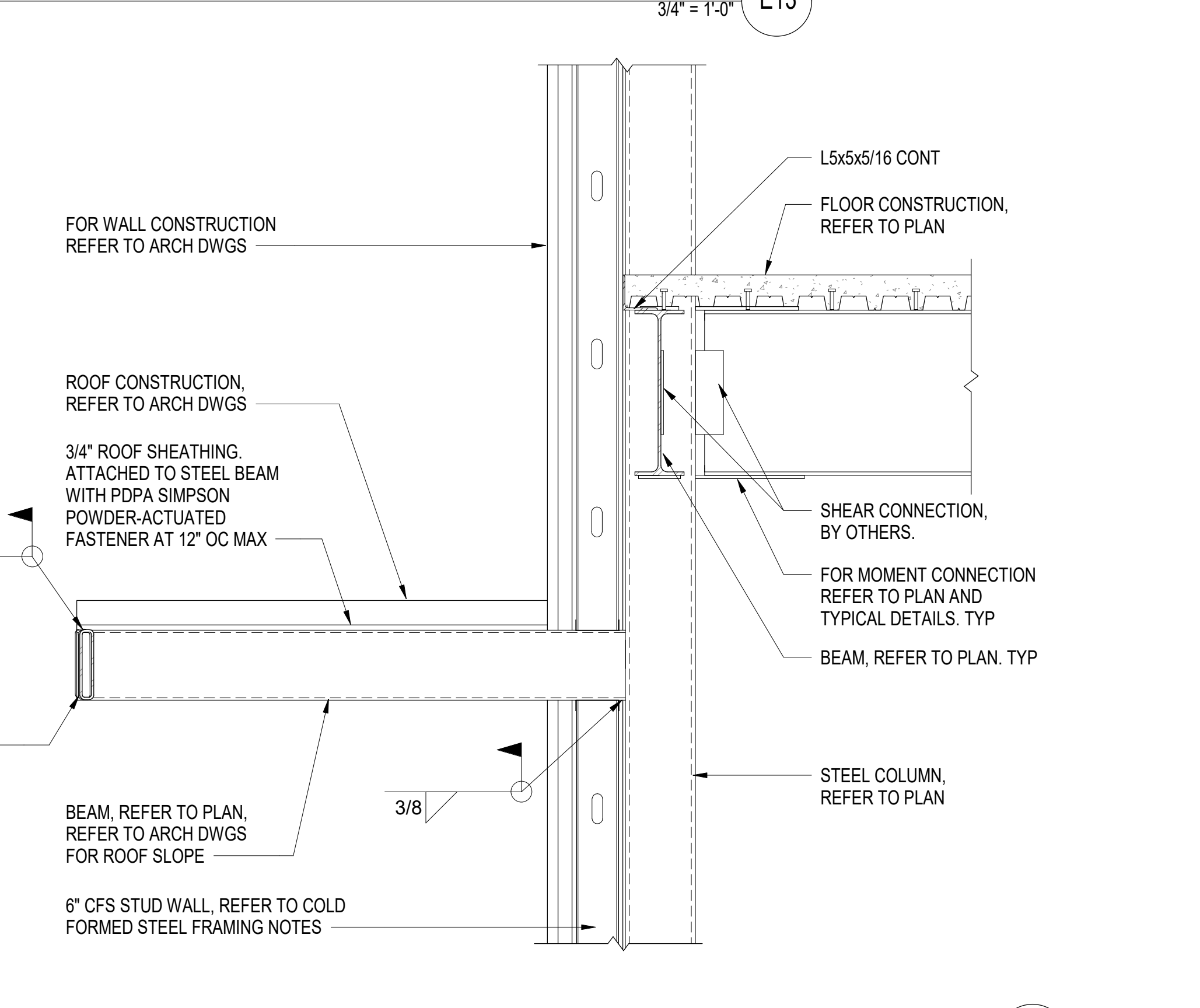
SECTION 7
3/4" = 1'-0"



SECTION K
3/4" = 1'-0"



SECTION E8
3/4" = 1'-0"



SECTION E13
3/4" = 1'-0"

GENERAL NOTES

KEY PLAN



SCO ID # 22-25364-01A		

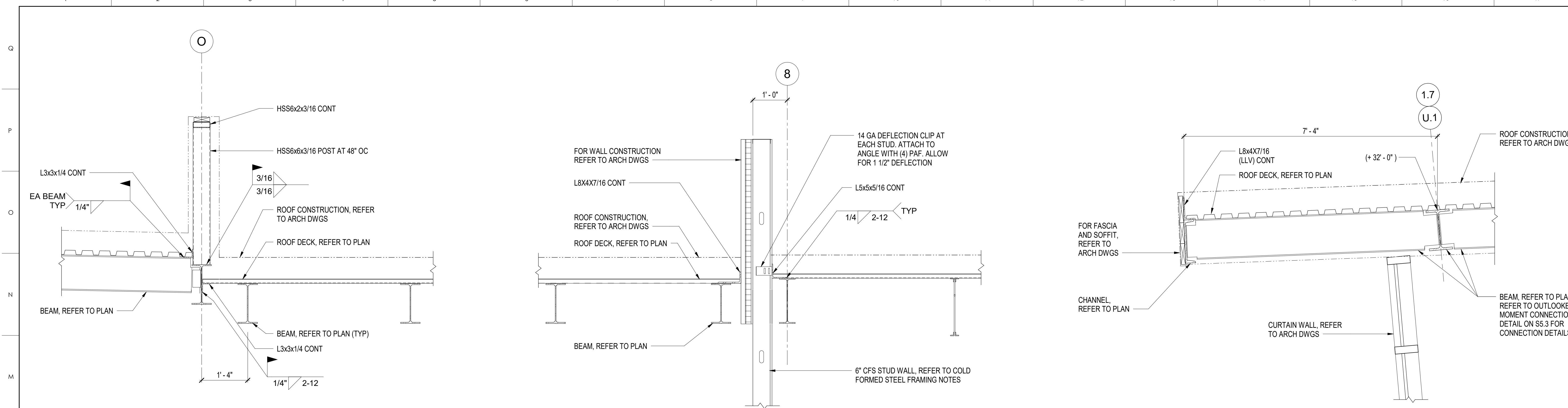
NO	REVISION	DATE

J K F
 ARCHITECTURE
 223 LYNDALE CT, SUITE 6, GREENVILLE, NC 27608 252-355-1048
 02/26/20
 4-11-2024
 ENGINEER
 KEVIN M. ROOSENBURG

LENOIR COMMUNITY COLLEGE
 NEW AVIATION CENTER FOR EXCELLENCE
 KINSTON, NC

SECTIONS

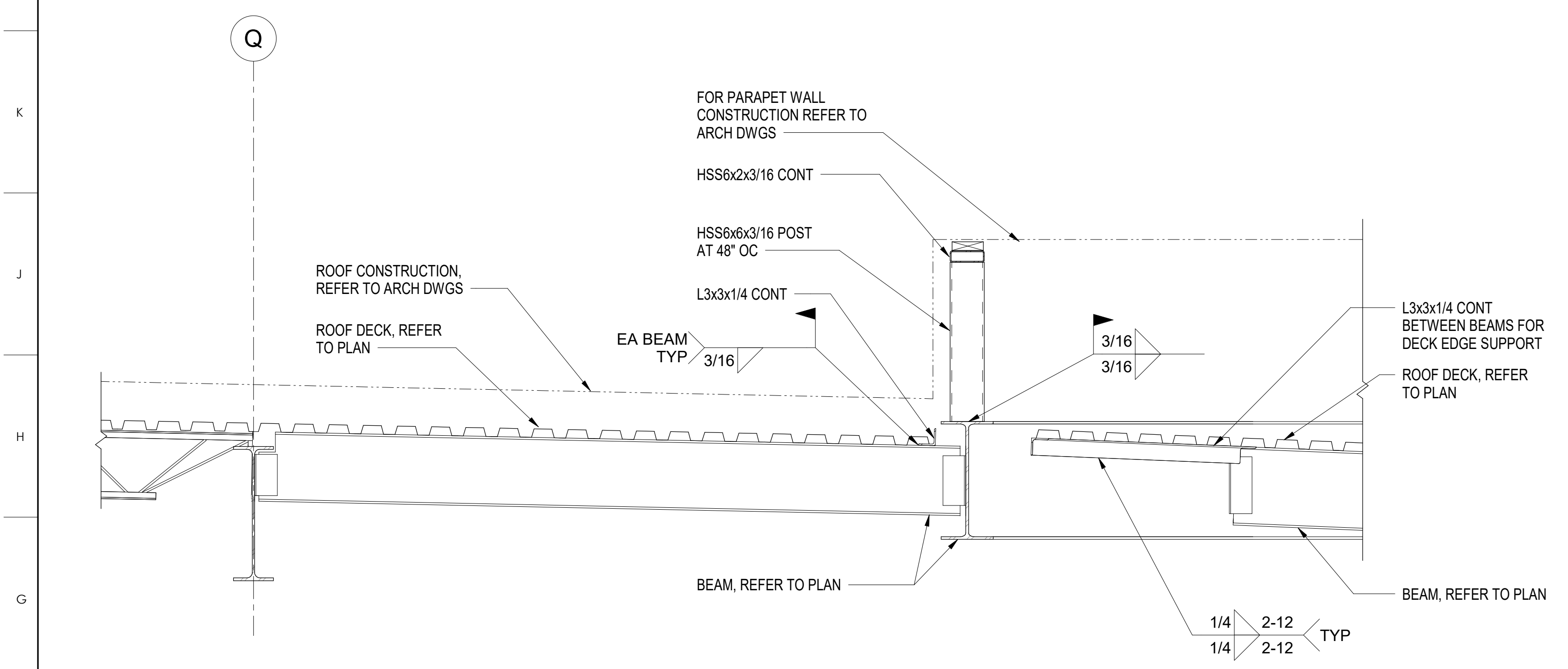
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DRAWN	Author	
CHECKED	Checker	
DATE	2-28-2024	
PROJECT NO.	2022-18	



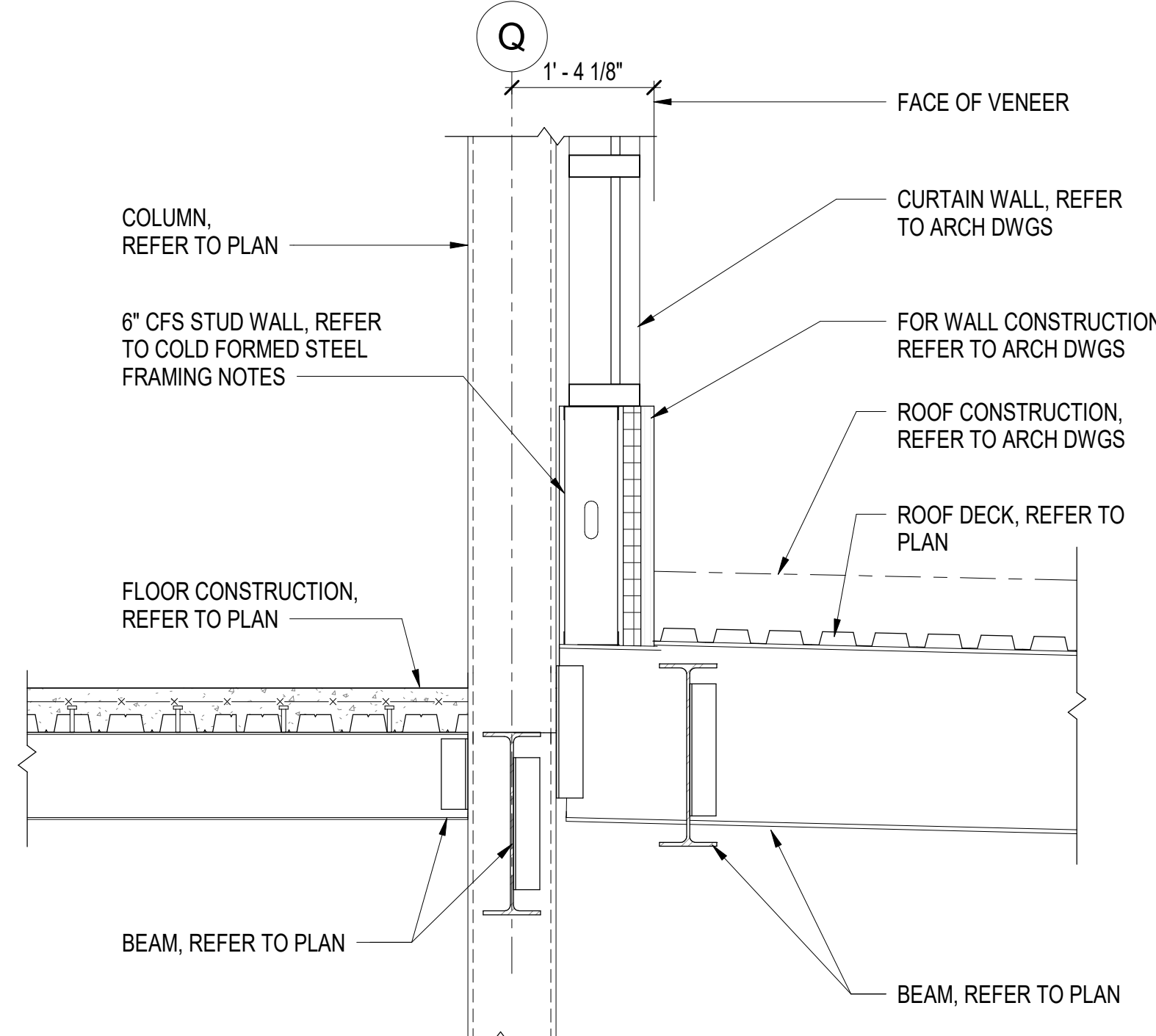
SECTION L1
3/4" = 1'-0"

SECTION L6
3/4" = 1'-0"

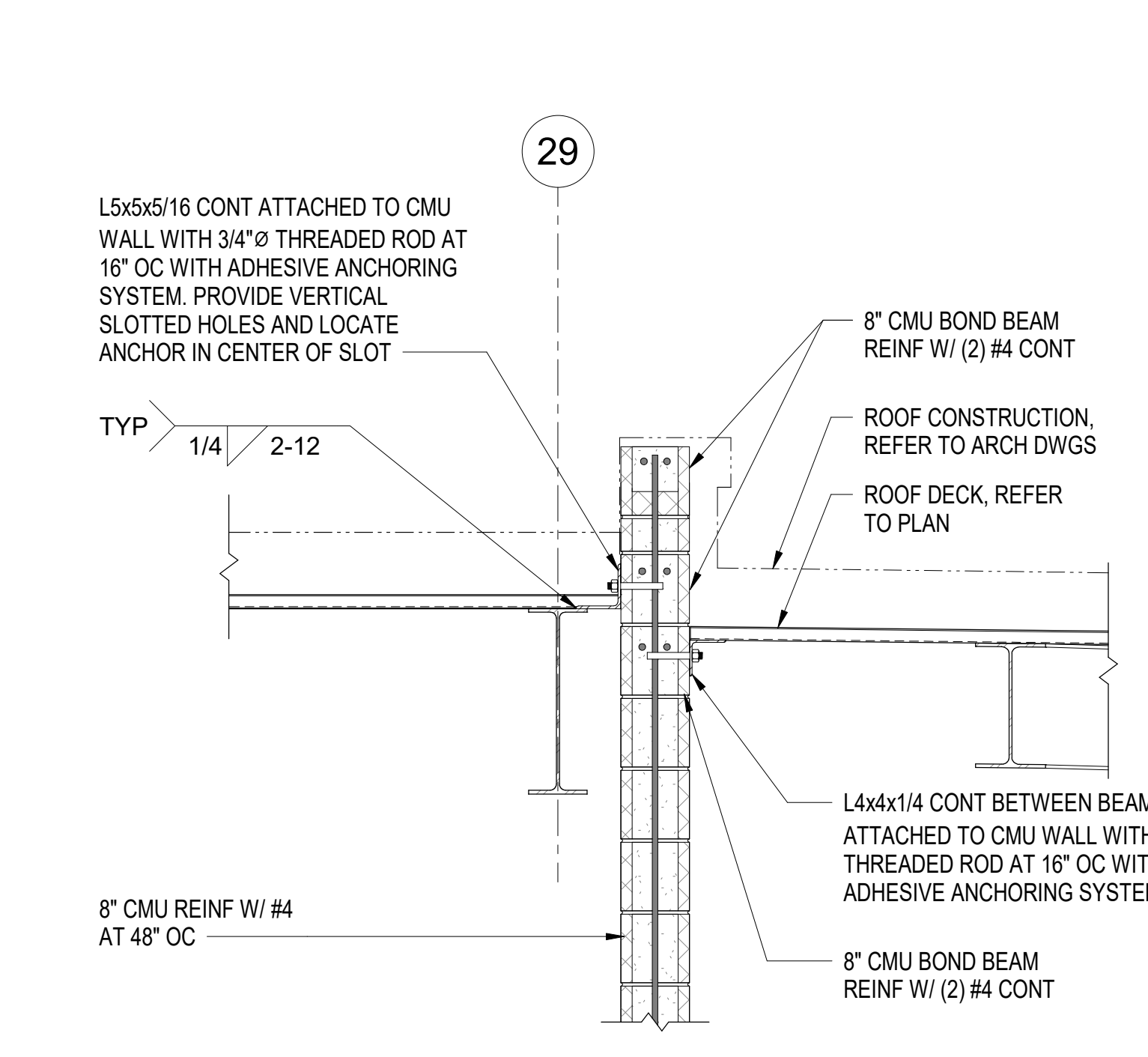
SECTION L12
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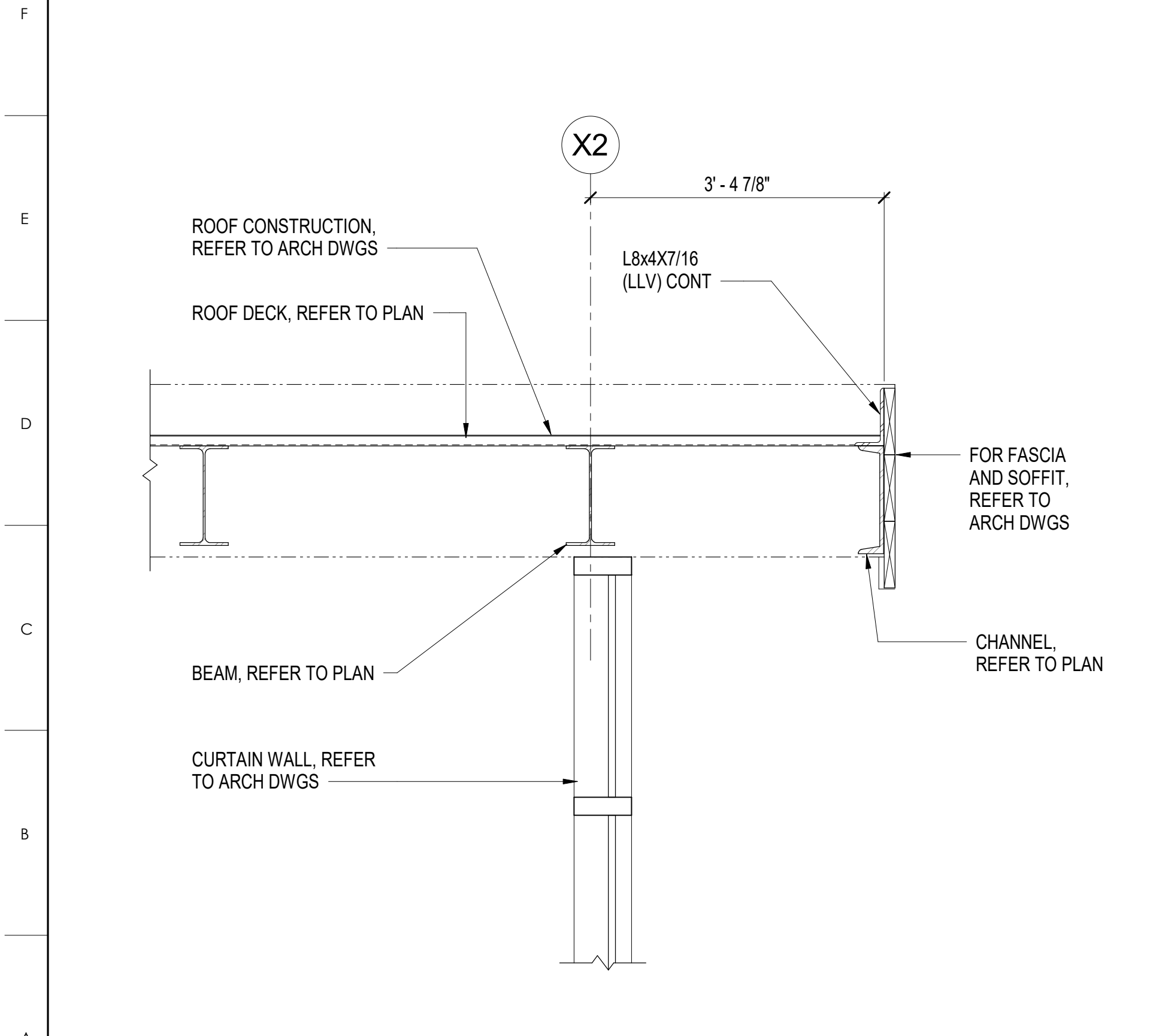
SECTION F1
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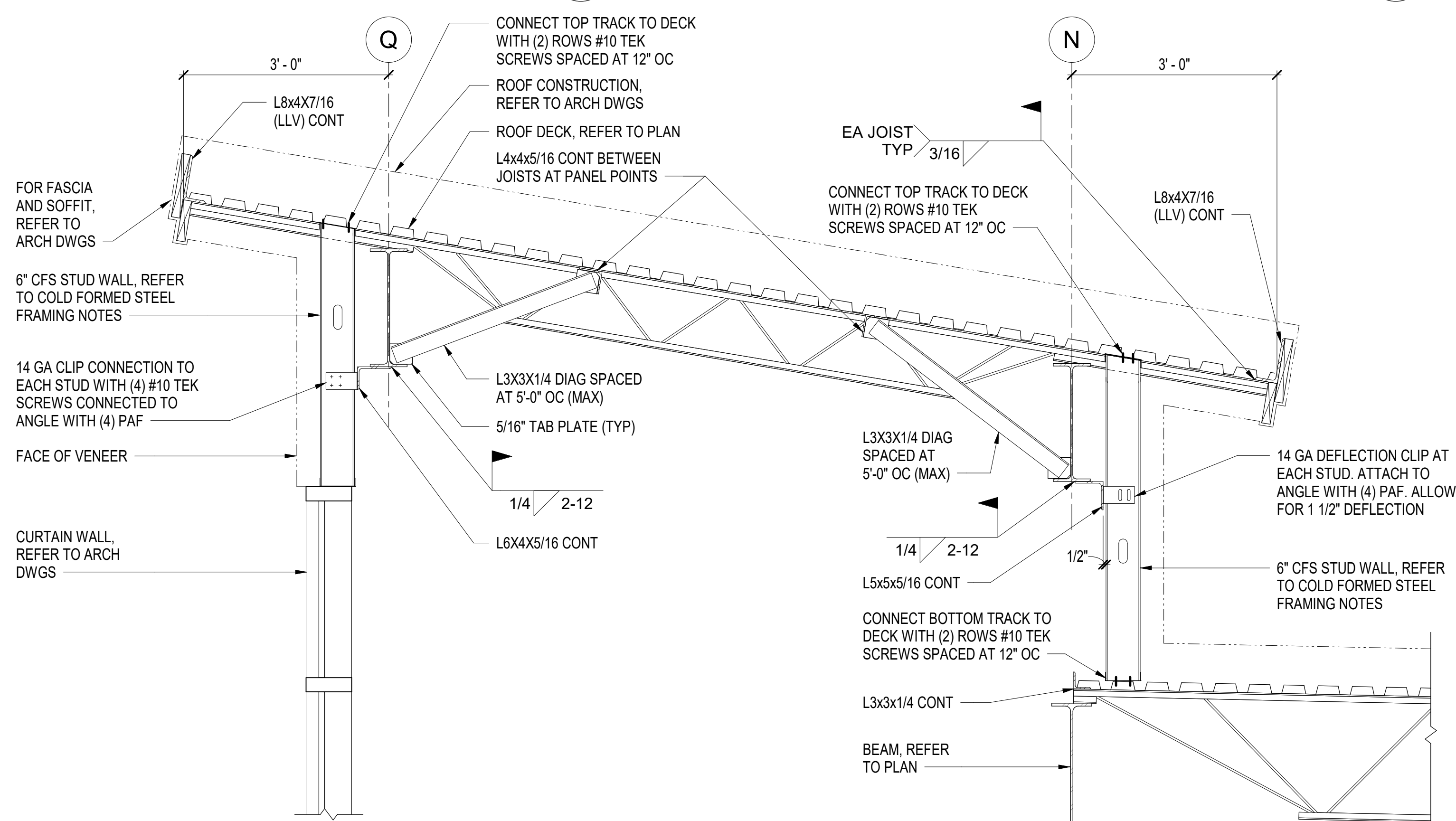
SECTION F9
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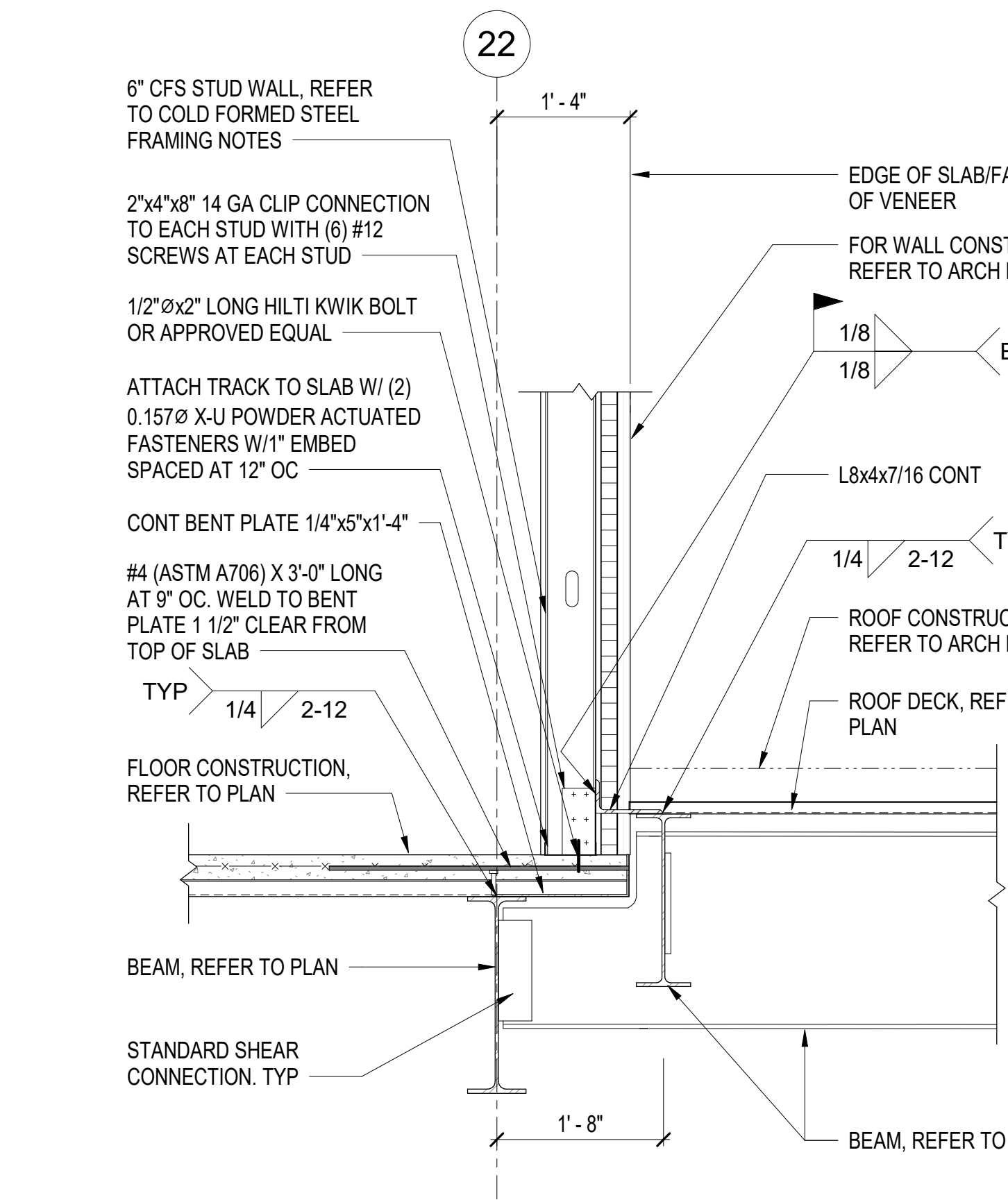
SECTION F14
3/4" = 1'-0"



SECTION A1
3/4" = 1'-0"



SECTION A6
3/4" = 1'-0"



SECTION H14
3/4" = 1'-0"

GENERAL NOTES

1. ALL DIMENSIONS UNLESS OTHERWISE NOTED.
 2. REFER TO ARCHITECTURAL DRAWINGS FOR MATERIALS AND FINISHES.
 3. PROVIDE VERTICAL SLOTTED HOLES AND LOCATE ANCHOR IN CENTER OF SLOT.
 4. PROVIDE VERTICAL SLOTTED HOLES AND LOCATE ANCHOR IN CENTER OF SLOT.

KEY PLAN



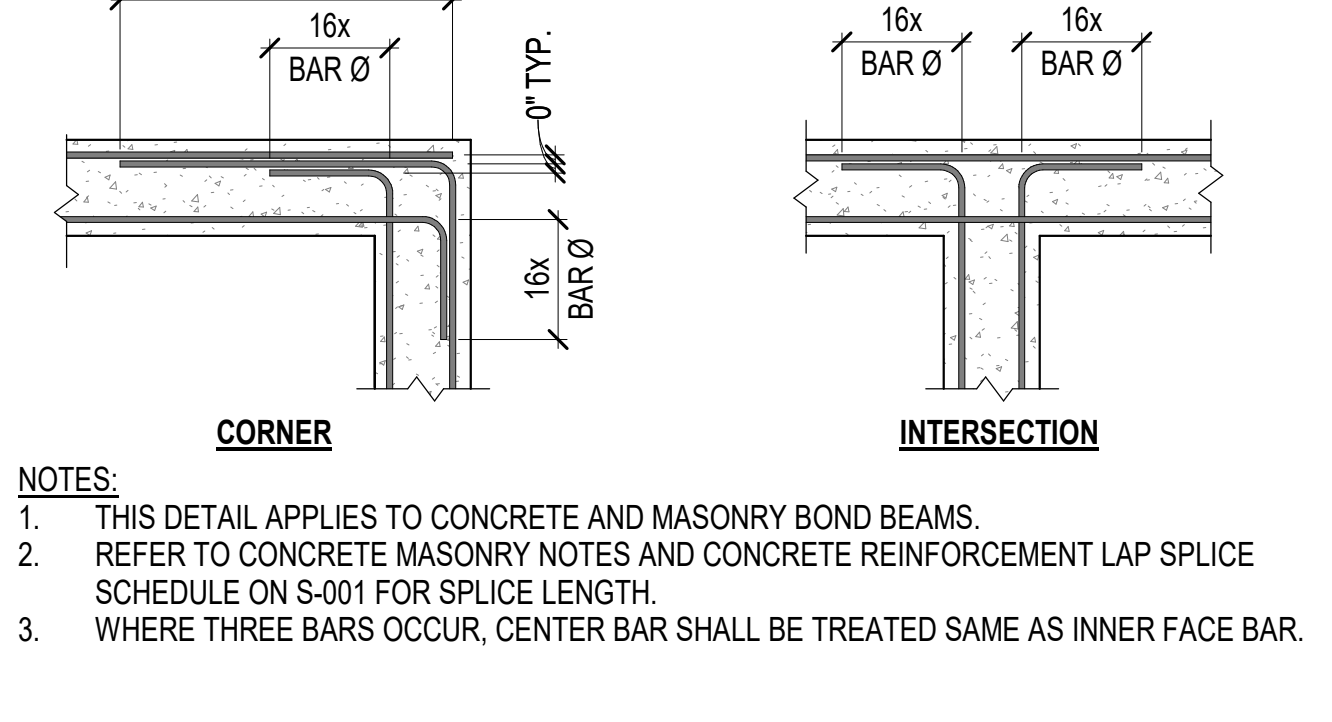
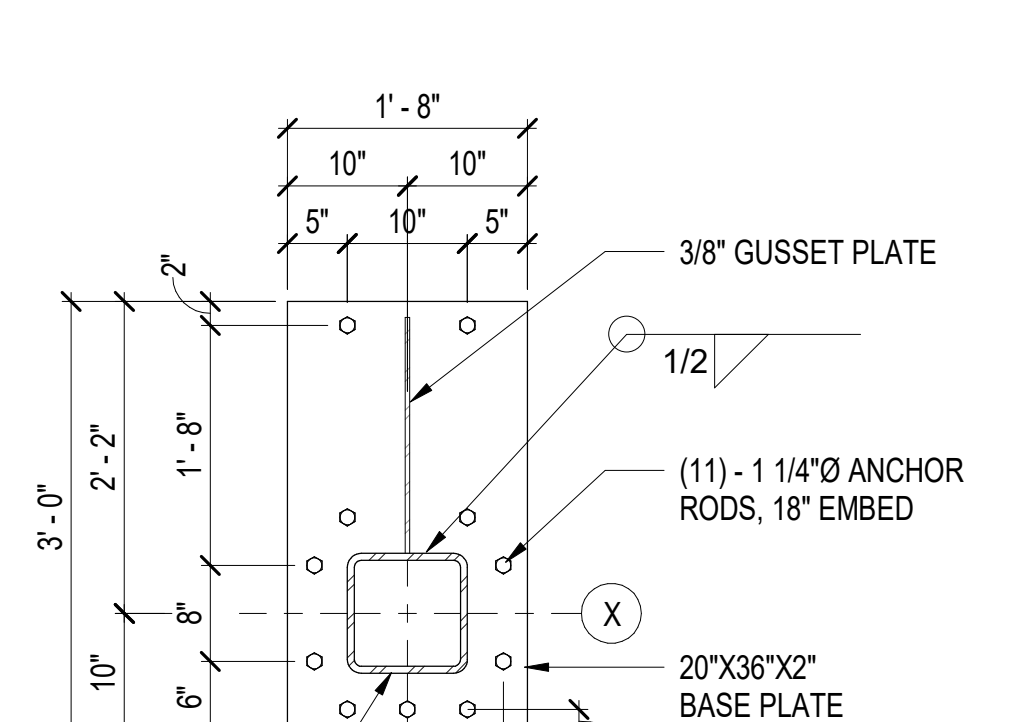
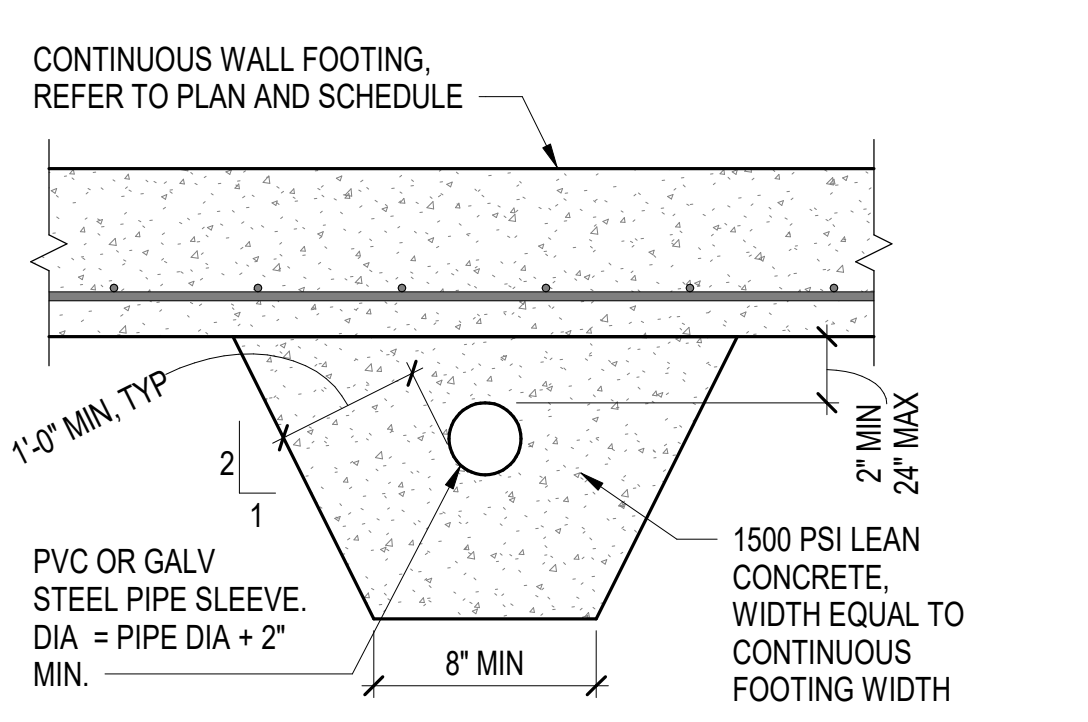
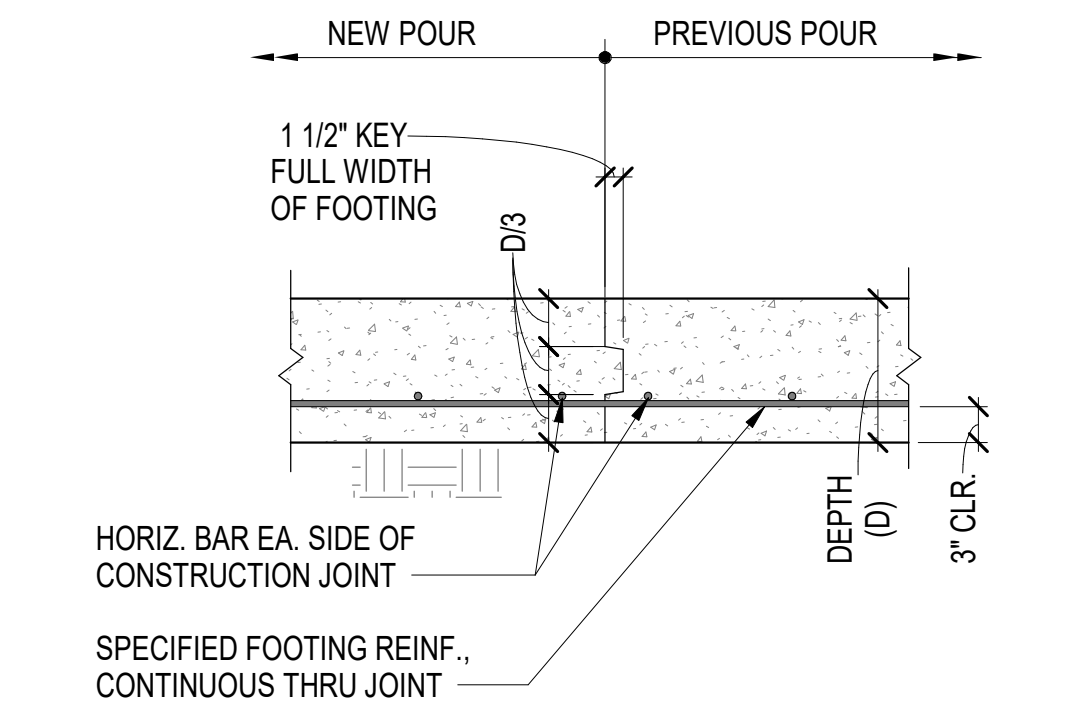
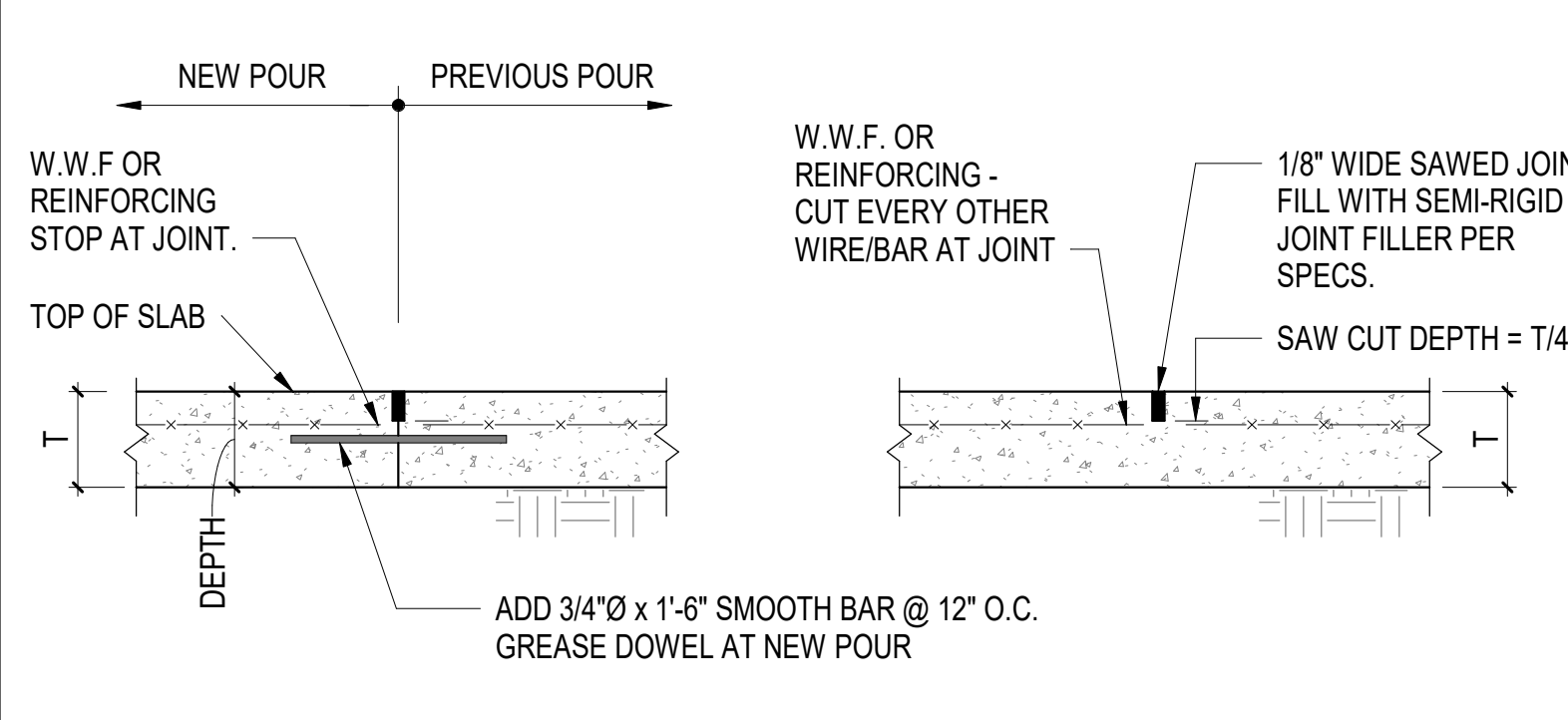
SCO ID # 22-25364-01A		
NO	REVISION	DATE

J K F
 ARCHITECTURE
 NORTH CAROLINA PROFESSIONAL ENGINEER
 022650
 4-11-2024
 KEVIN W. ROOSENBURG

225 LYNDALE CT, SUITE 6, GREENVILLE, NC 27608 252-355-1048
 LENOIR COMMUNITY COLLEGE
 NEW AVIATION CENTER FOR EXCELLENCE
 KINSTON, NC

DRAWING TITLE		SECTIONS
SCALE	3/4" = 1'-0"	
DRAWN	JSS	
CHECKED	KMR	
DATE	2-28-2024	
PROJECT NO.	2022-18	

S3.6



CONCRETE REINFORCEMENT LAP SPlice SCHEDULE

BAR SIZE	LAP LENGTH
#4	20"
#5	25"
#6	30"
#7	44"
#8	50"
#9	57"

TYPICAL CONTINUOUS REINFORCEMENT AT CORNERS AND INTERSECTIONS
NOT TO SCALE

COLUMN SCHEDULE

MARK	SIZE	B	N	THICKNESS	BASE PLATE TYPE	HEADED ANCHOR RODS	EMBEDMENT
C1	HSS6X6X5/8	14	14	1 3/4	B	4) - 1" Ø	12"
C2	HSS8X8X5/8	16	16	3/4	B	4) - 3/4" Ø	12"
C3	HSS8X8X5/8	16	16	1 1/2	D	(6) - 1" Ø	18"
C4	HSS8X8X5/8	18	18	2	E	(8) - 1 1/4" Ø	18"
C5	HSS10X10X5/8	18	18	1 1/2	A	(4) - 1 1/4" Ø	12"
C7	HSS10X10X5/8	18	18	3/4	B	(4) - 3/4" Ø	12"
C8	HSS10X10X5/8	20	20	2	F	(6) - 1 1/4" Ø	18"
C9	HSS10X10X5/8	20	20	2	G	(10) - 1 1/4" Ø	18"
C10	HSS10X10X5/8	20	20	2	H	(10) - 1 1/4" Ø	18"
C11	HSS10X10X5/8	20	20	2	C	(10) - 1 1/4" Ø	18"
C12	HSS10X10X5/8	20	20	2	D	(6) - 1 1/4" Ø	18"
WC1	HSS6X6X1/4	12	6	3/4	J	(2) - 3/4" Ø	6"

STEEL BASE PLATE NOTES:
1. ANCHOR WASHERS SHALL BE WELDED TO TOP OF STEEL COLUMN BASE PLATE.
2. DO NOT APPLY TORQUE TO THE ANCHORS DURING THEIR INSTALLATION.

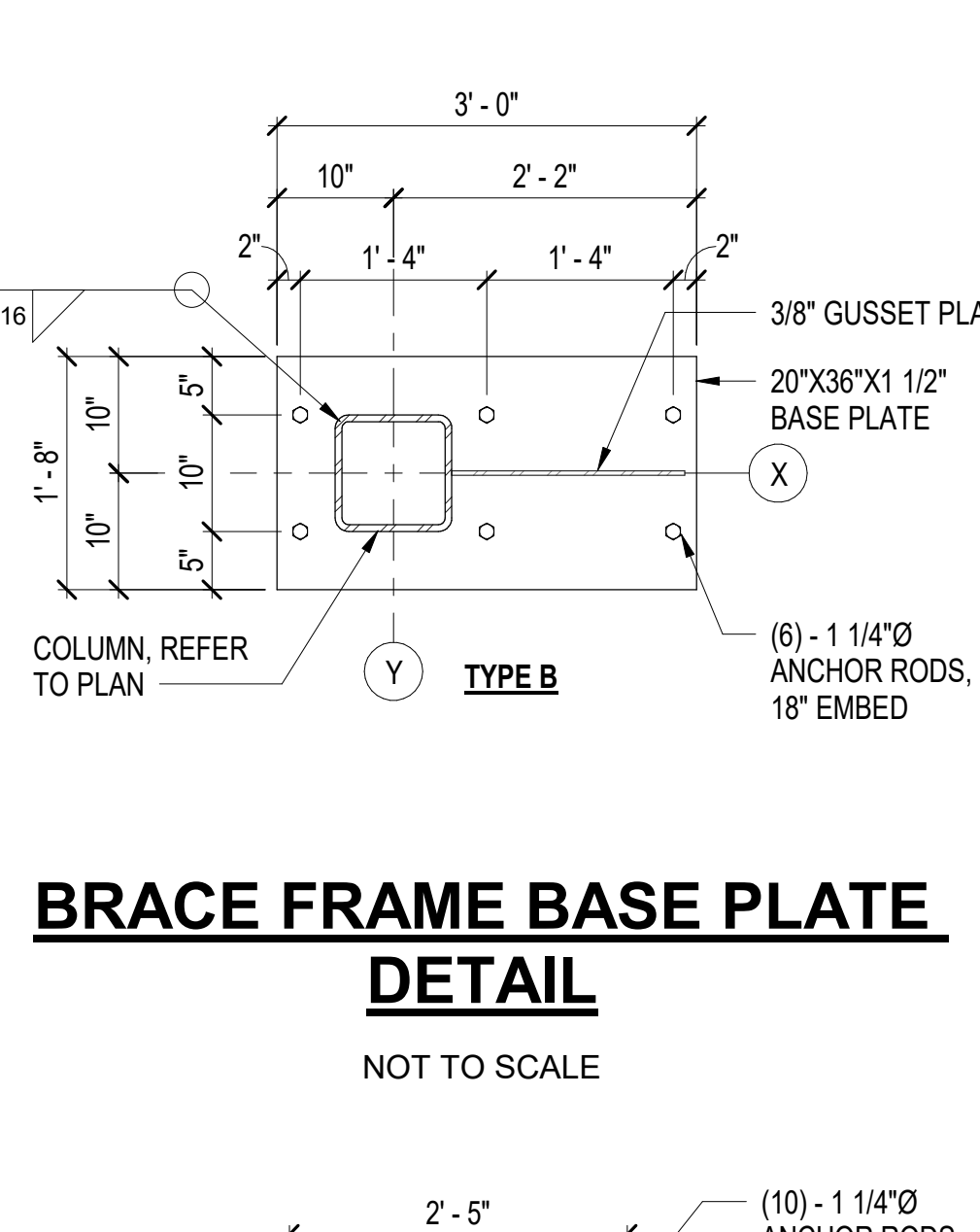
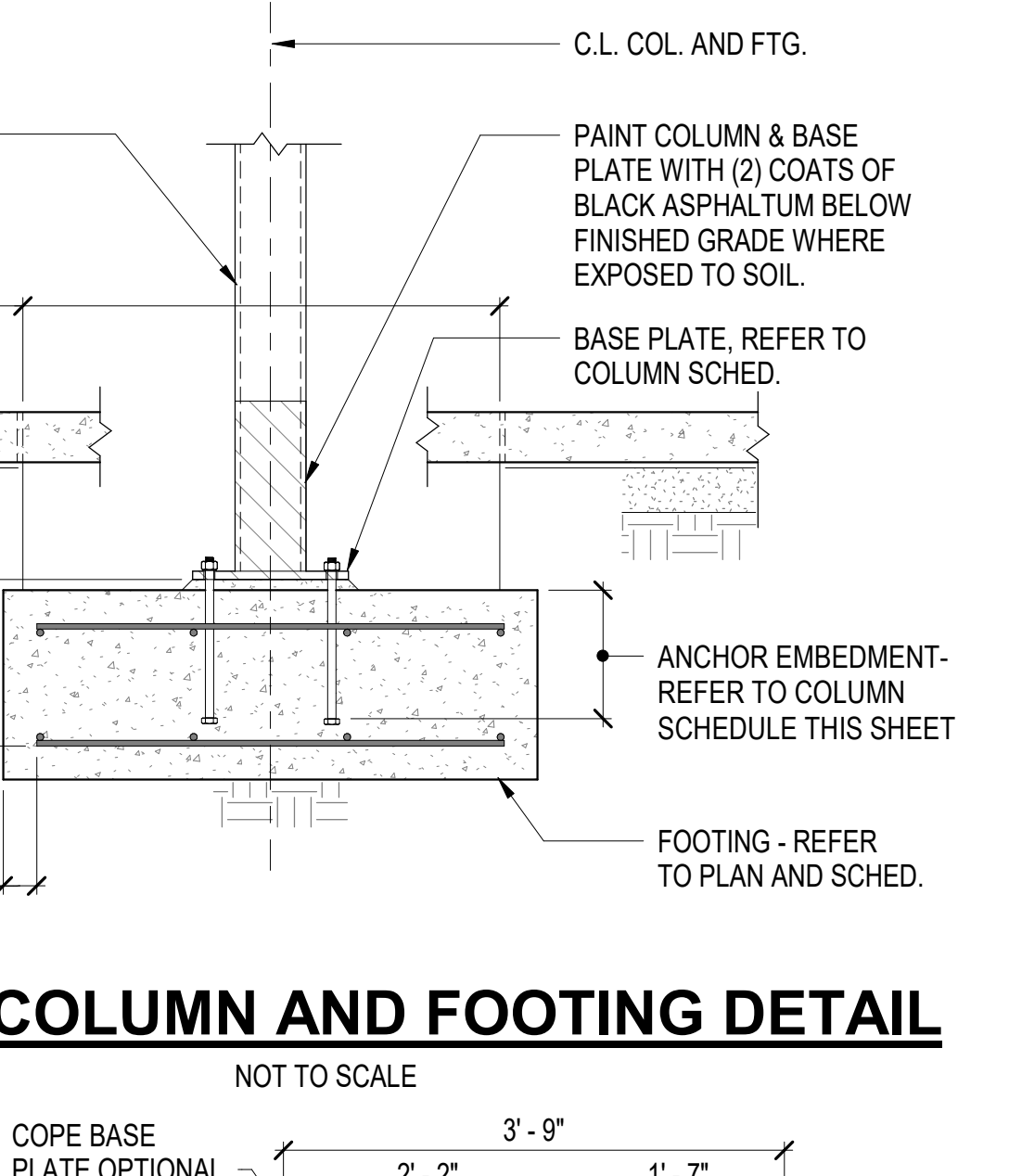
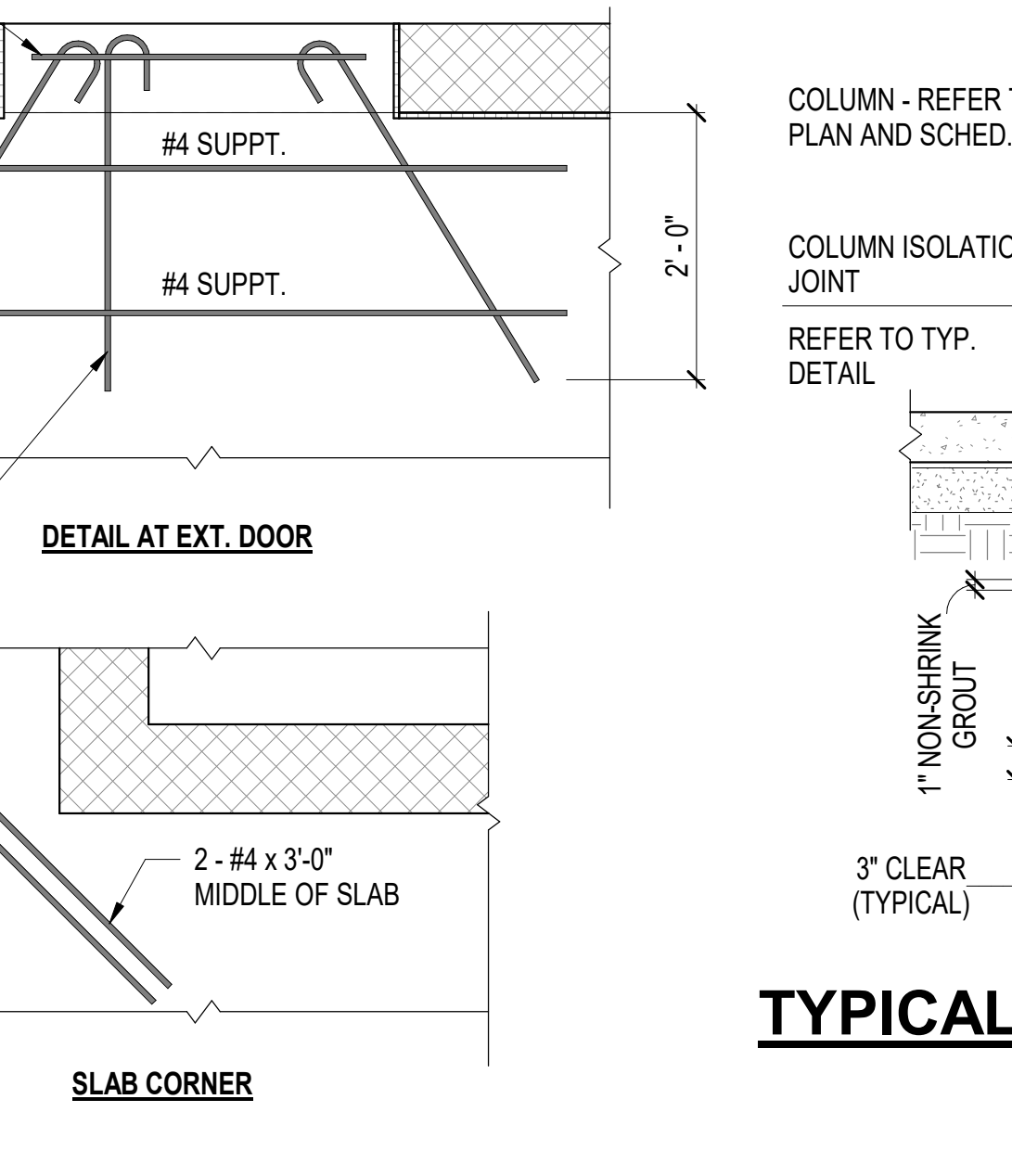
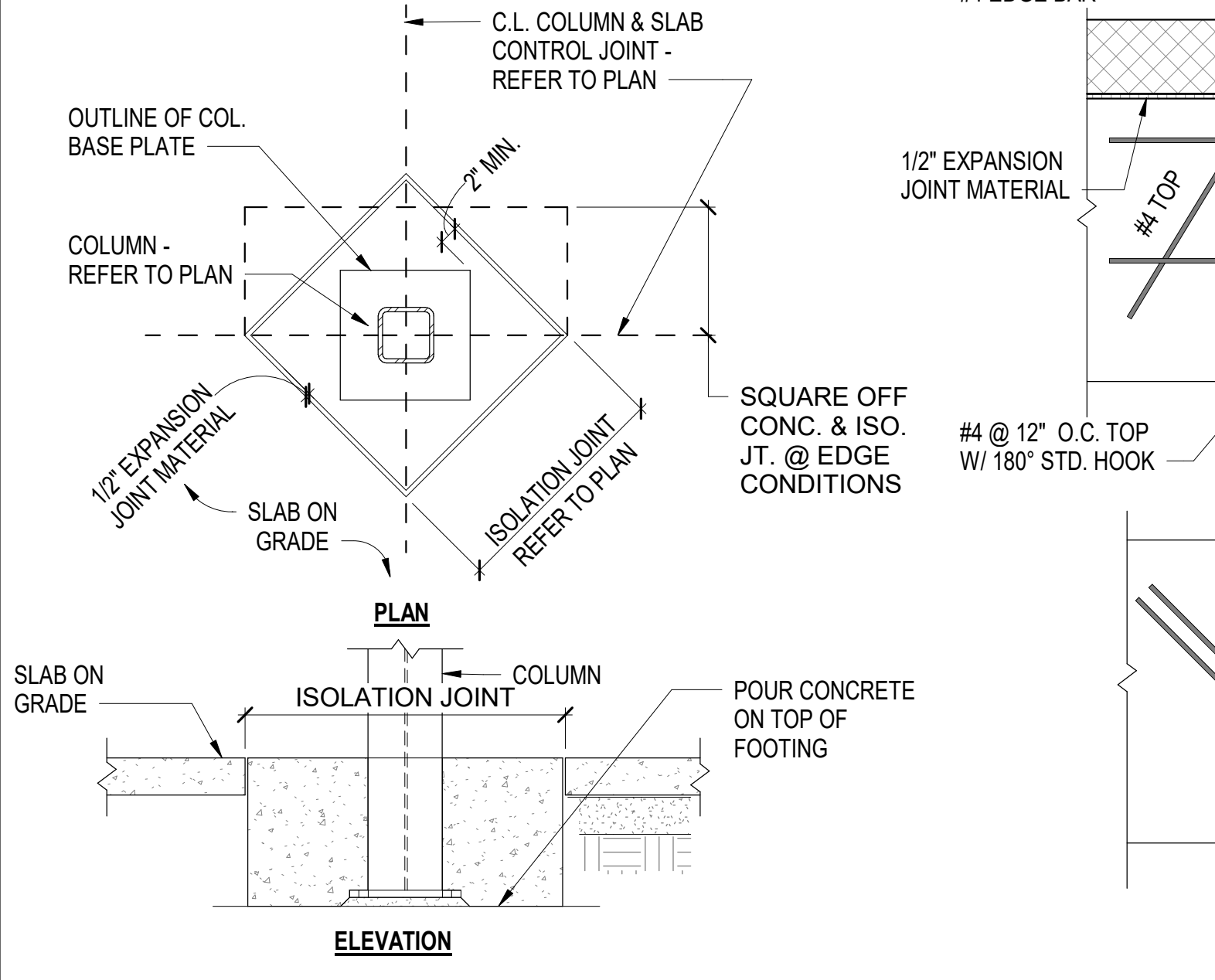
TYPICAL SLAB CONTROL JOINT DETAILS
NOT TO SCALE

TYPICAL FOOTING CONSTRUCTION JOINT DETAIL
NOT TO SCALE

TYPICAL PIPE SLEEVE BELOW FOOTING DETAIL
NOT TO SCALE

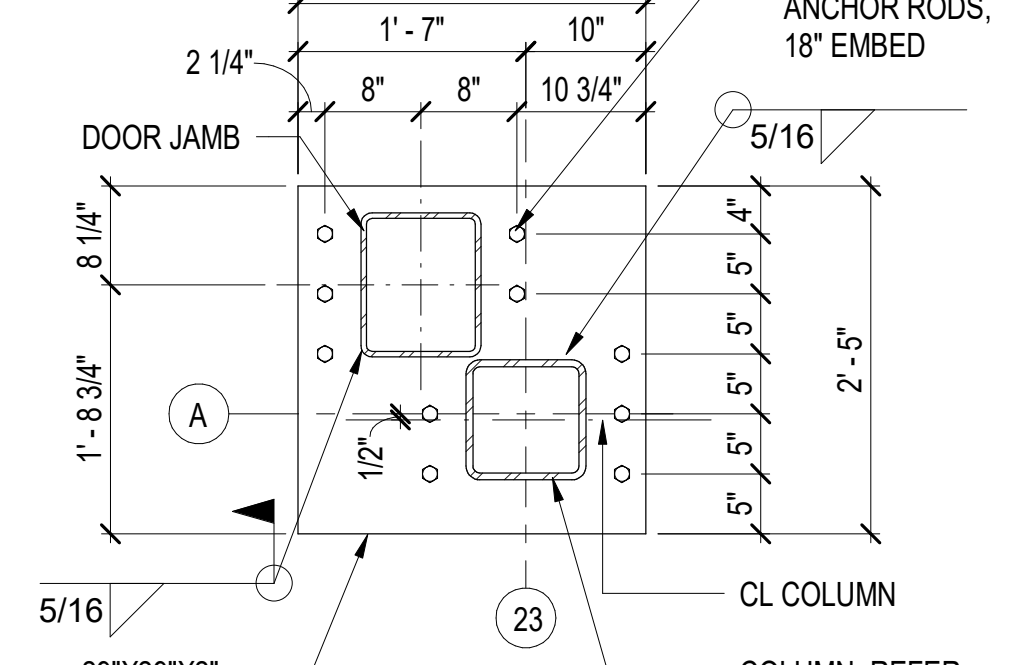
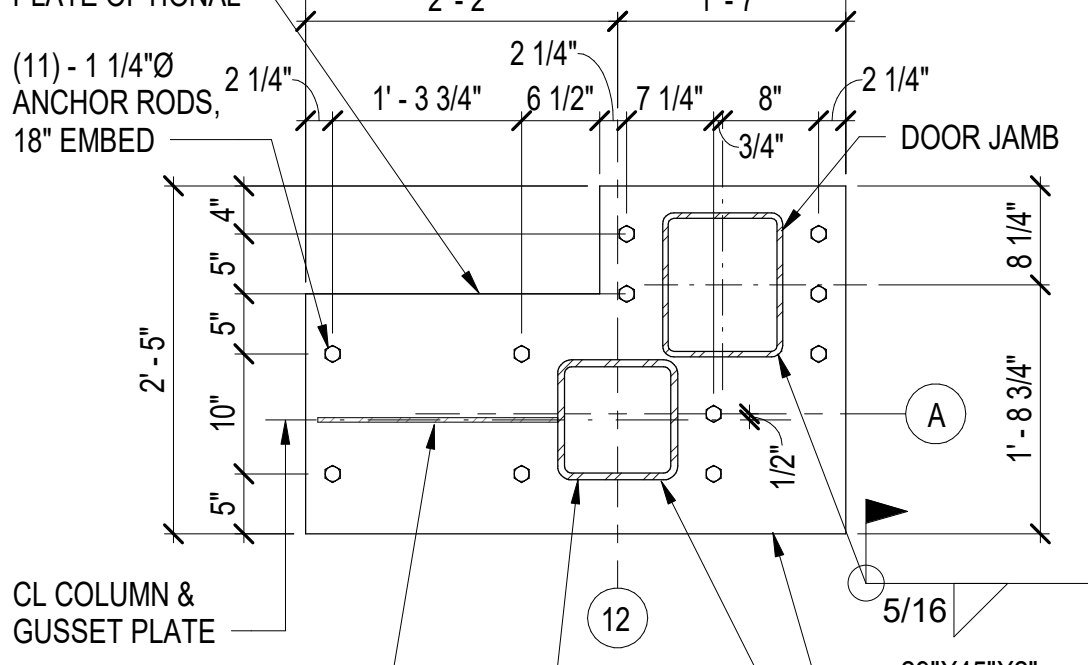
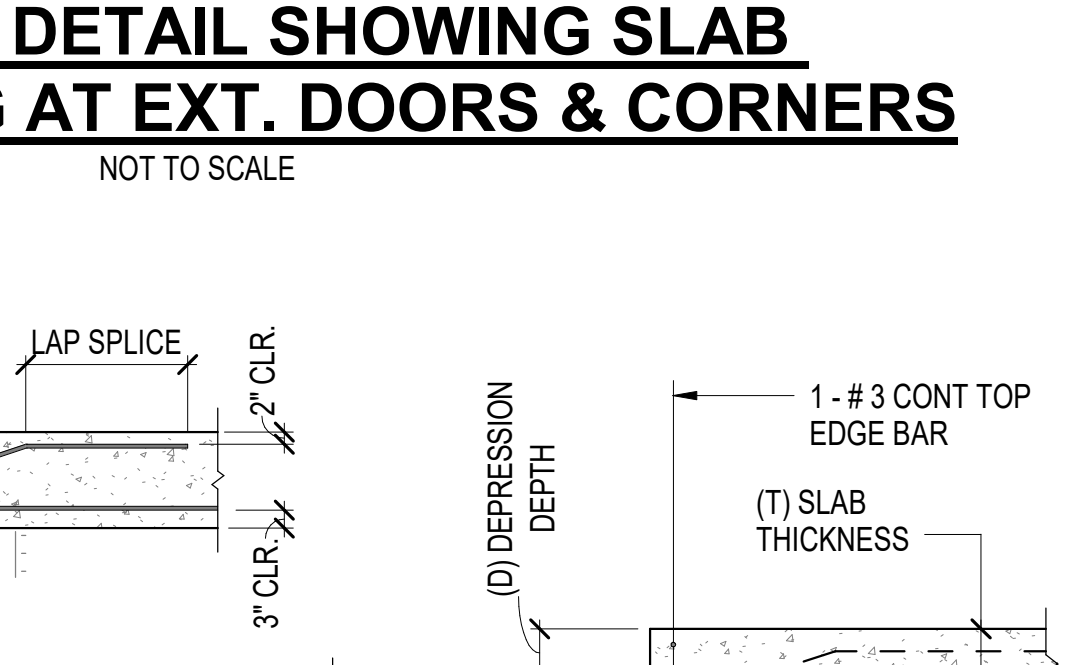
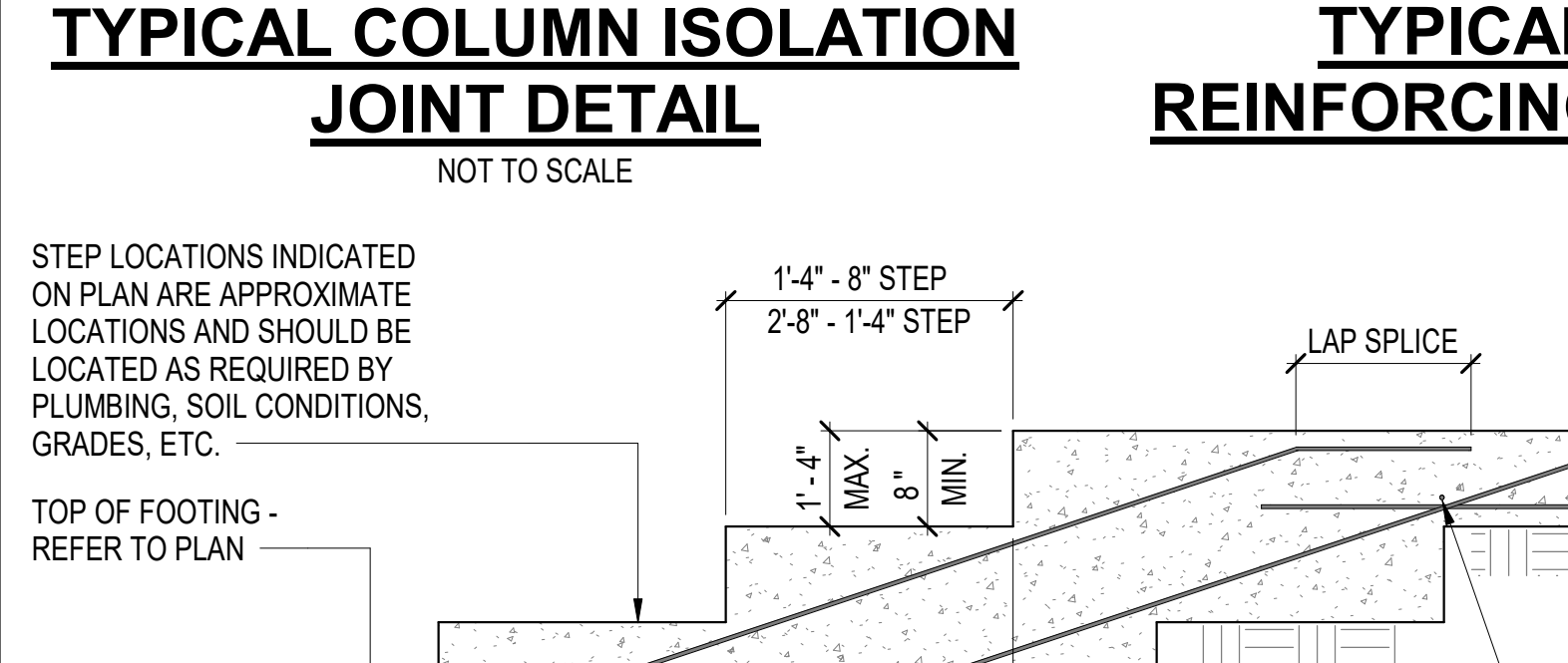
TYPICAL CONTINUOUS REINFORCEMENT AT CORNERS AND INTERSECTIONS
NOT TO SCALE

COLUMN SCHEDULE



COLUMN FOOTING SCHEDULE

MARK	DIMENSIONS			TOP & BOTTOM REINFORCING				REMARKS
	WIDTH	LENGTH	DEPTH	QUANTITY	SIZE	QUANTITY	SIZE	
F4.0	4'-0"	4'-0"	4'-0"	5	5	5	5	
F5.0	5'-0"	5'-0"	4'-0"	6	5	6	5	
F6.0	6'-0"	6'-0"	4'-0"	7	5	7	5	
F7.0	7'-0"	7'-0"	4'-0"	8	5	8	5	
F8.0	8'-0"	8'-0"	4'-0"	9	5	9	5	
F9.5	9'-6"	9'-6"	4'-0"	11	5	11	5	
F10.5	10'-6"	10'-6"	2'-0"	13	6	13	6	
F11.5	11'-6"	11'-6"	2'-0"	14	6	14	6	
F11.A	11'-0"	22'-0"	2'-0"	26	6	13	6	
F11.B	25'-0"	11'-0"	2'-6"	27	7	12	7	
F12.5	12'-6"	12'-6"	2'-6"	14	7	14	7	
F13.0	13'-0"	13'-0"	2'-6"	15	7	15	7	
F13.A	26'-0"	13'-0"	2'-0"	31	6	16	6	
F14.0	14'-0"	14'-0"	2'-6"	16	7	16	7	
F15.A	15'-0"	30'-0"	2'-6"	33	7	17	7	
F16.0	16'-0"	16'-0"	2'-6"	18	7	18	7	
F16.A	16'-0"	32'-0"	2'-6"	35	7	18	7	



WALL FOOTING SCHEDULE

MARK	DIMENSIONS		REINFORCING				NOTES
	WIDTH	DEPTH	LONGITUDINAL		TRANSVERSE		
WF2.0	2'-0"	1'-0"	3	4	4	0'-9"	BOTTOM REINFORCING ONLY
WF2.5	2'-6"	1'-0"	4	4	4	0'-9"	TOP & BOTTOM REINFORCING
WF3.0	3'-0"	1'-0"	4	4	4	0'-9"	TOP & BOTTOM REINFORCING

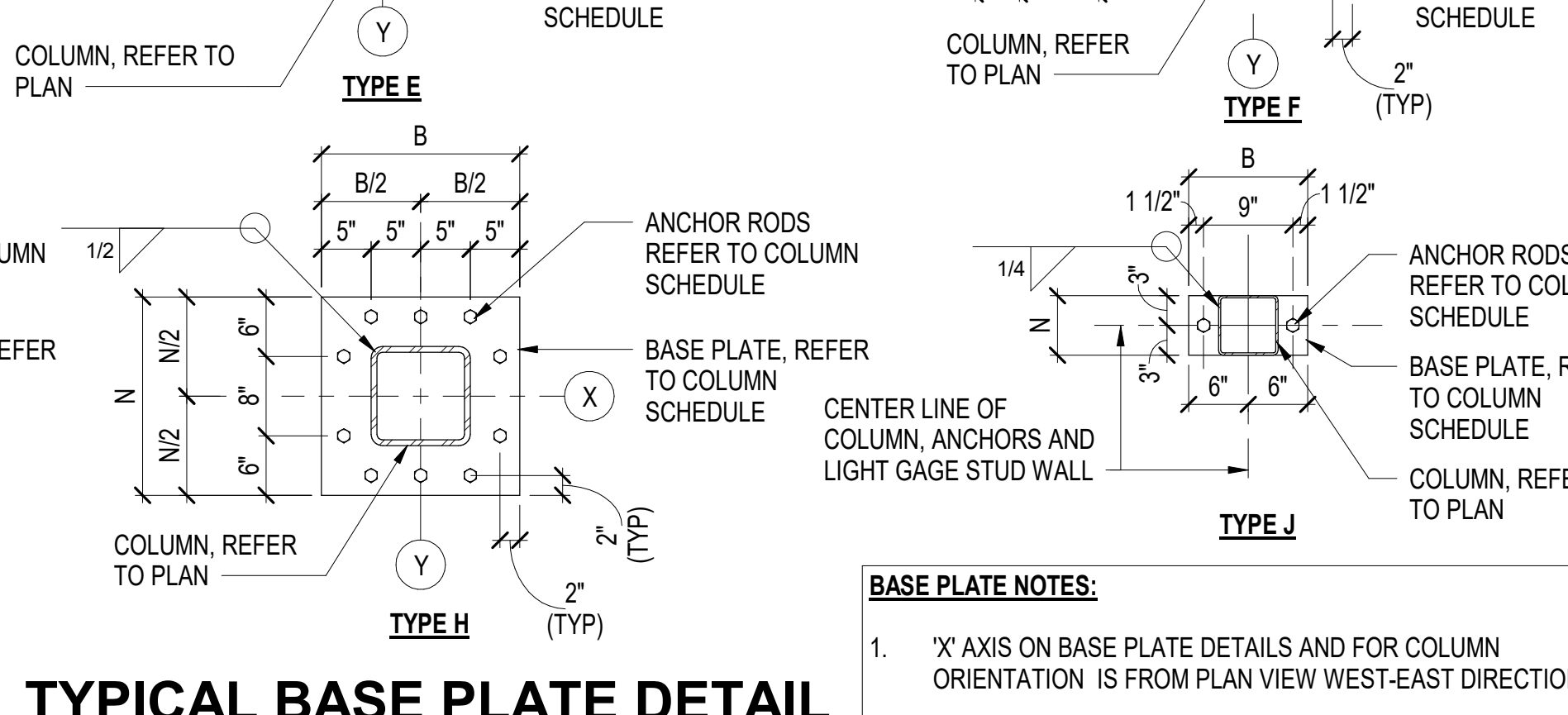
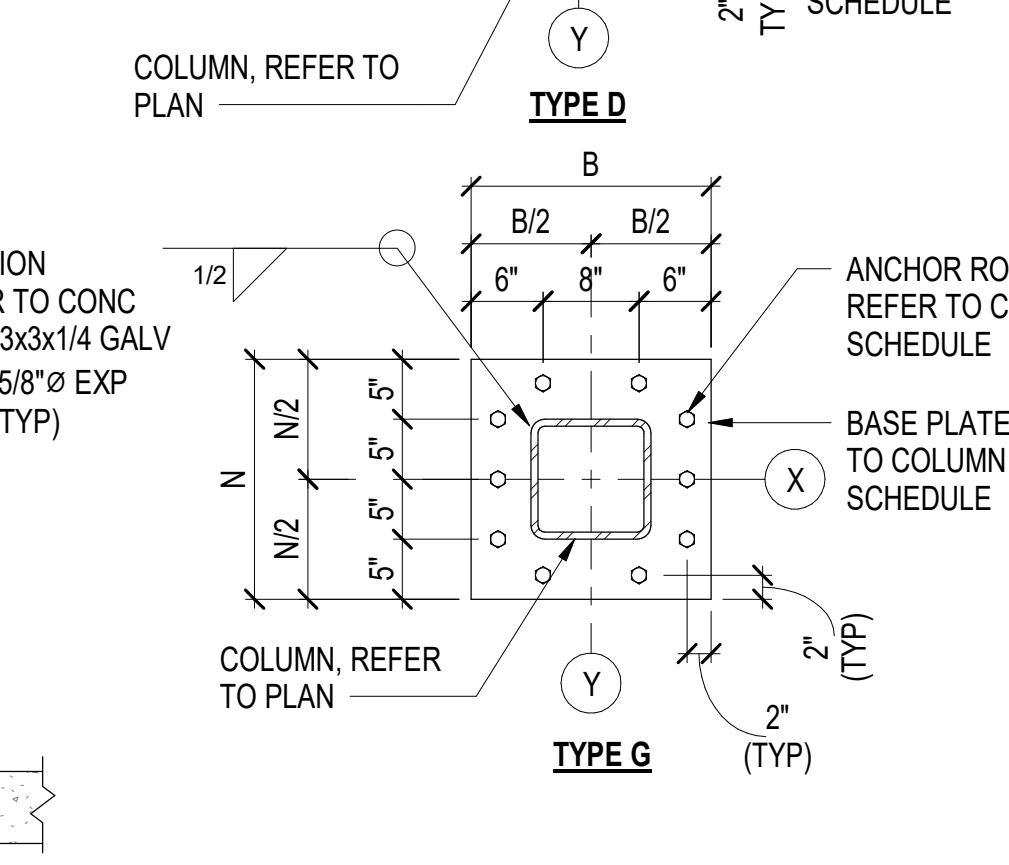
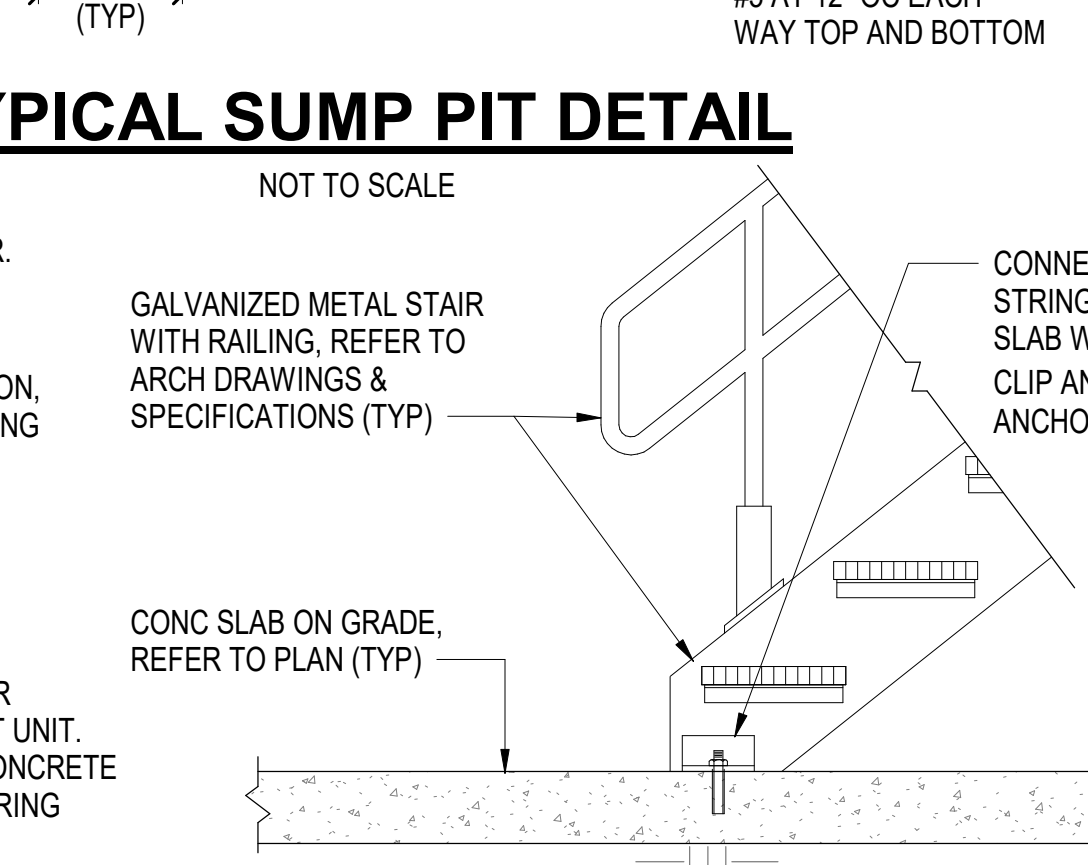
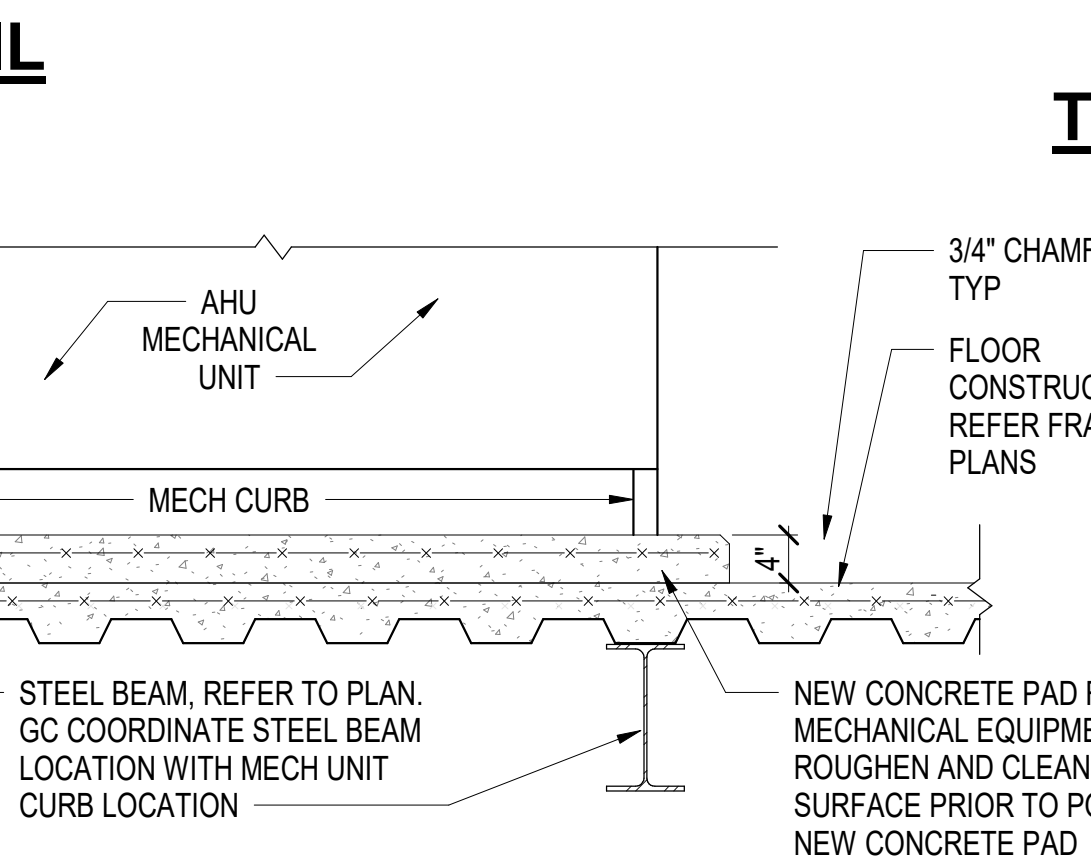
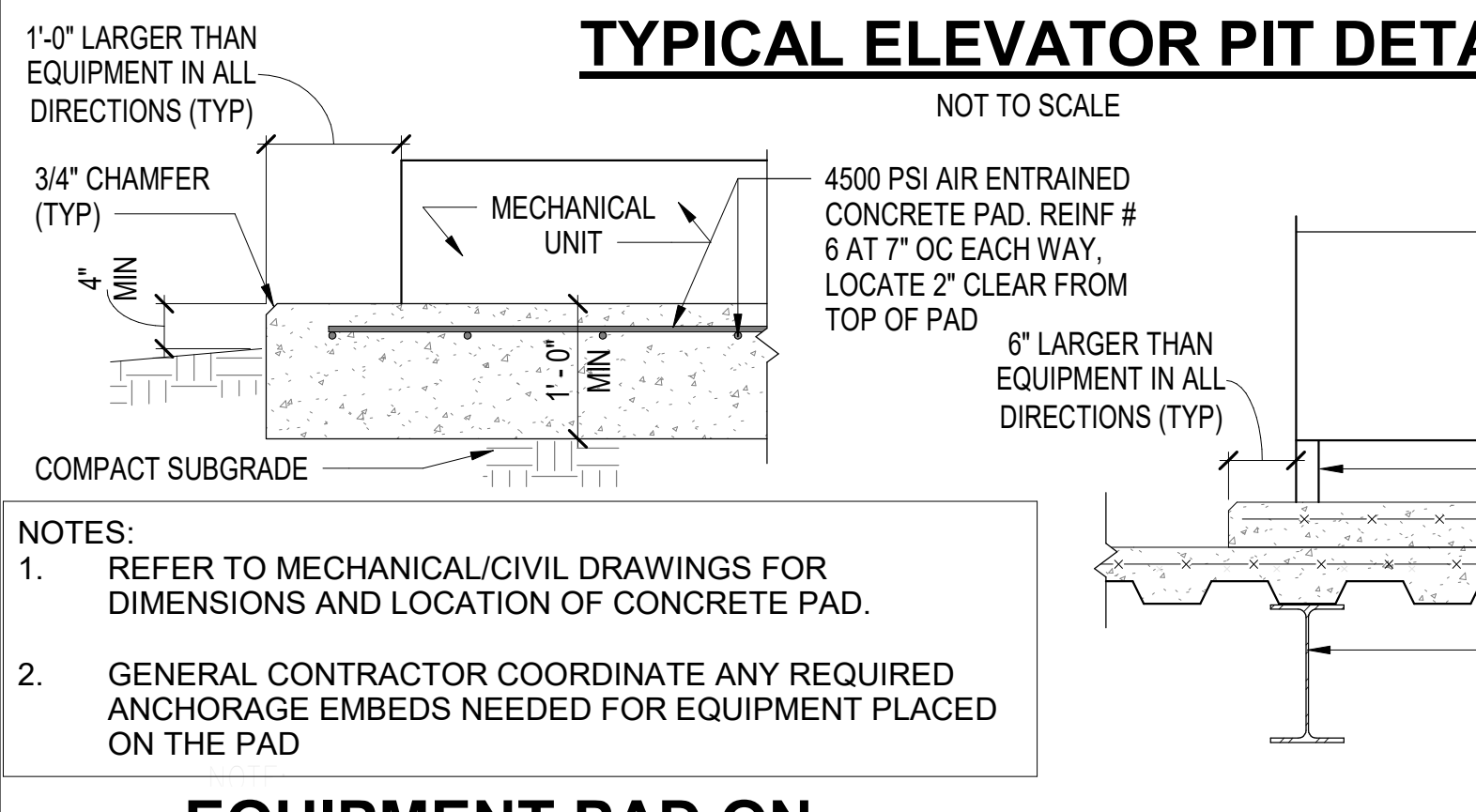
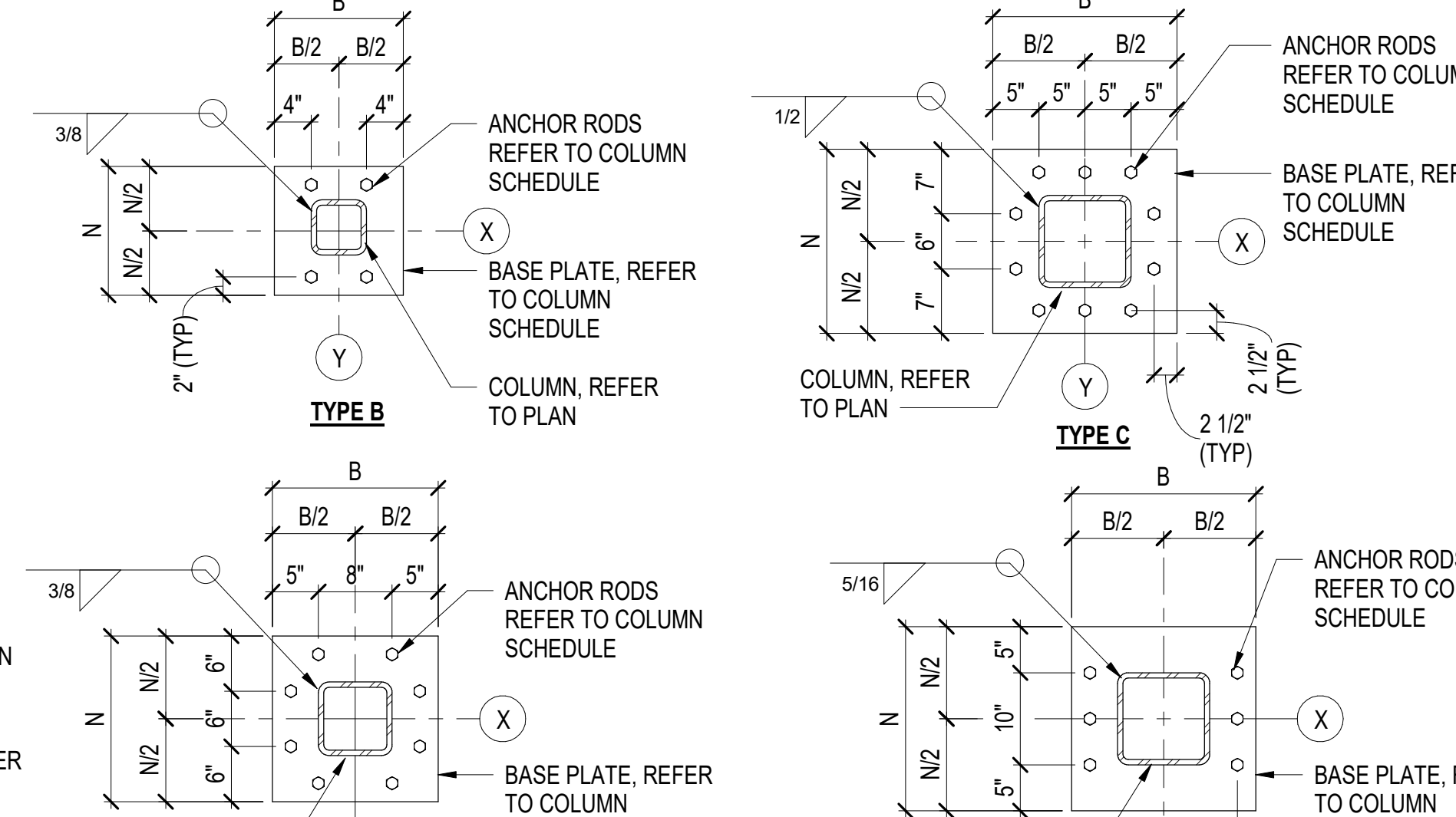
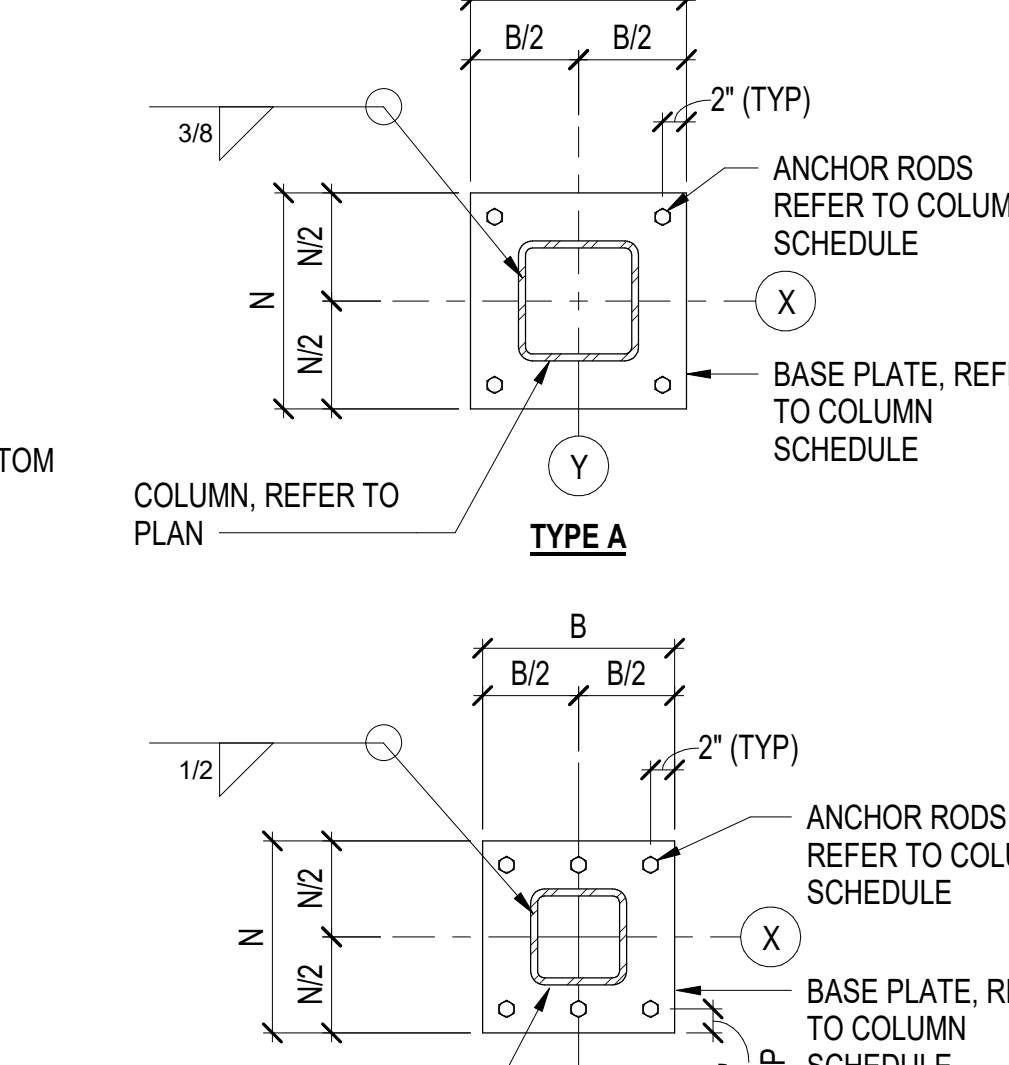
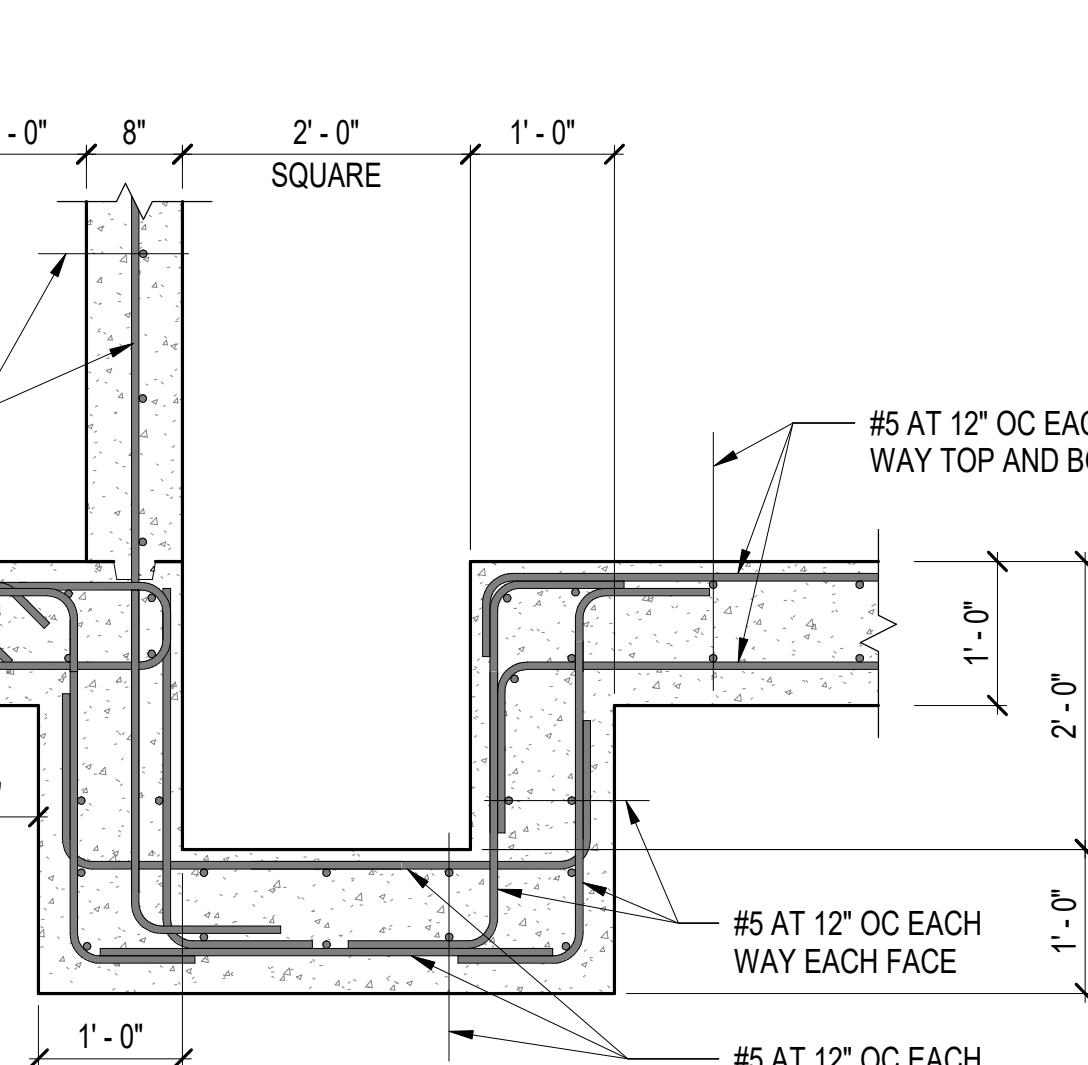
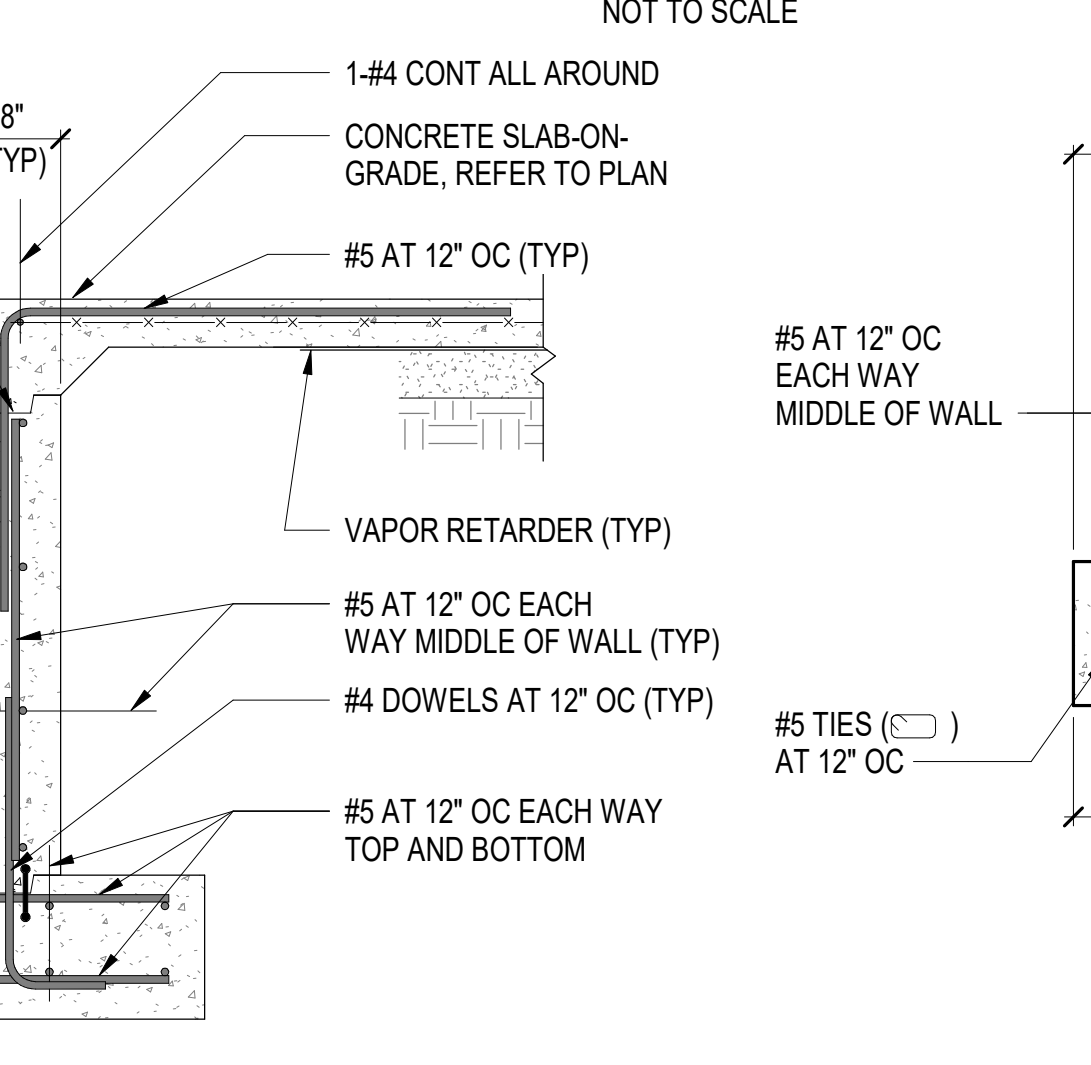
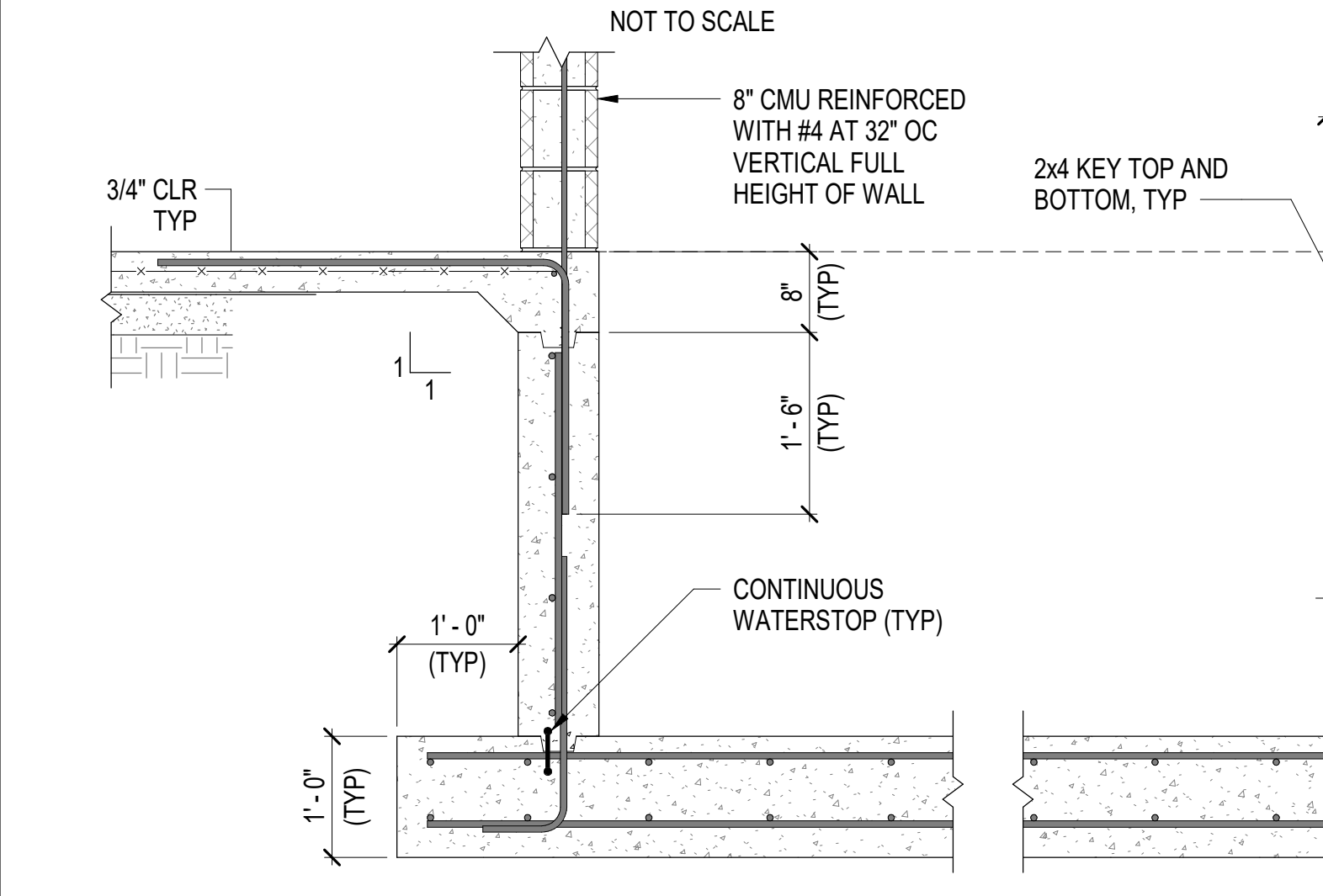
TYPICAL STEPPED FOOTING DETAIL
NOT TO SCALE

TYPICAL DEPRESSED SLAB
NOT TO SCALE

TWO COLUMNS BASE PLATE DETAIL
NOT TO SCALE

TYPICAL COLUMN AND FOOTING DETAIL
NOT TO SCALE

WALL FOOTING SCHEDULE



EQUIPMENT PAD ON GRADE DETAIL
NOT TO SCALE

HOUSEKEEPING EQUIPMENT PAD DETAIL
NOT TO SCALE

STAIR STRINGER TO SLAB CONNECTION DETAIL
NOT TO SCALE

TYPICAL BASE PLATE DETAIL
NOT TO SCALE

TYPICAL BASE PLATE DETAIL
NOT TO SCALE

GENERAL NOTES

KEY PLAN

SCO ID # 22-25364-01A

NO REVISION DATE

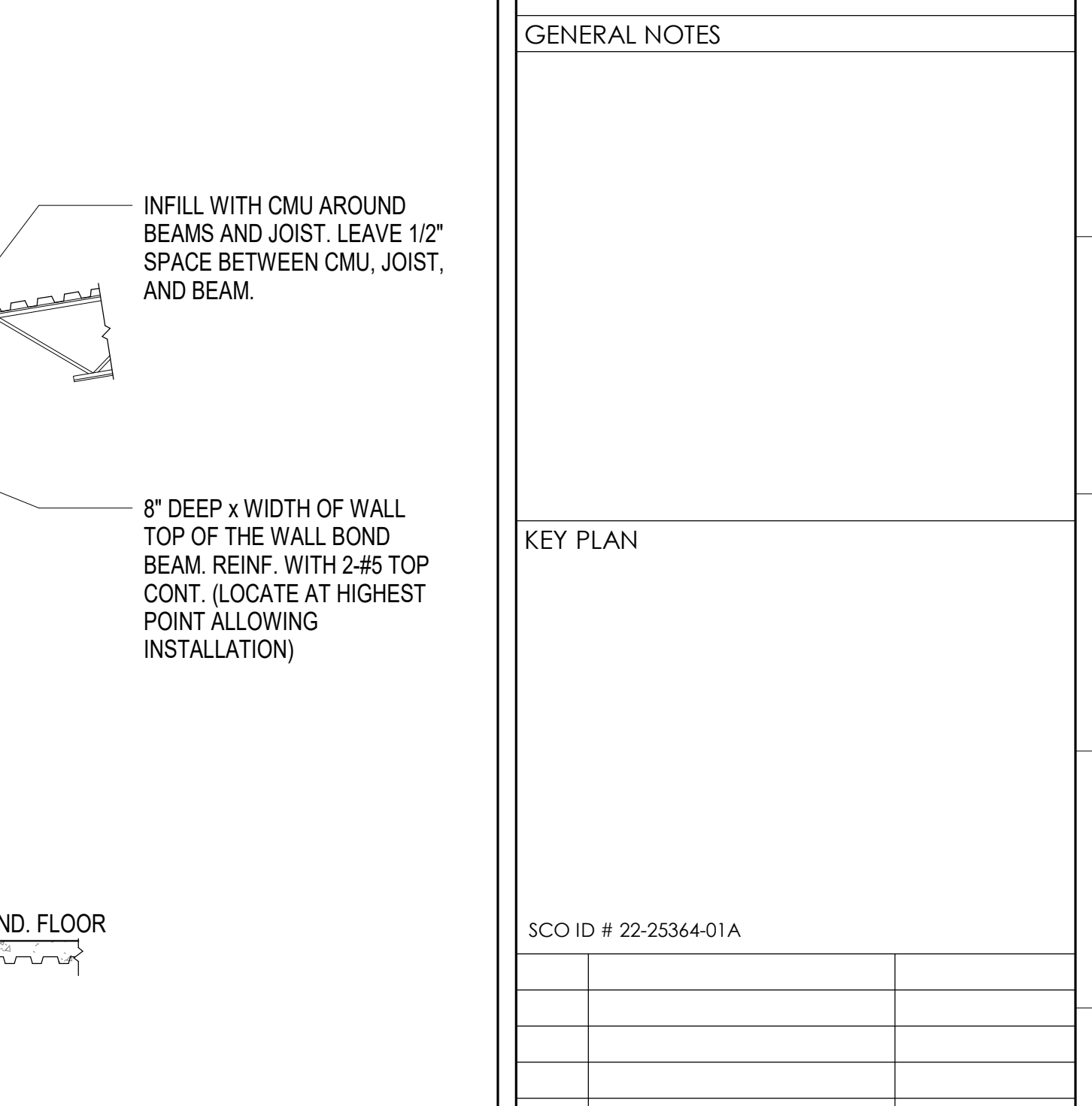
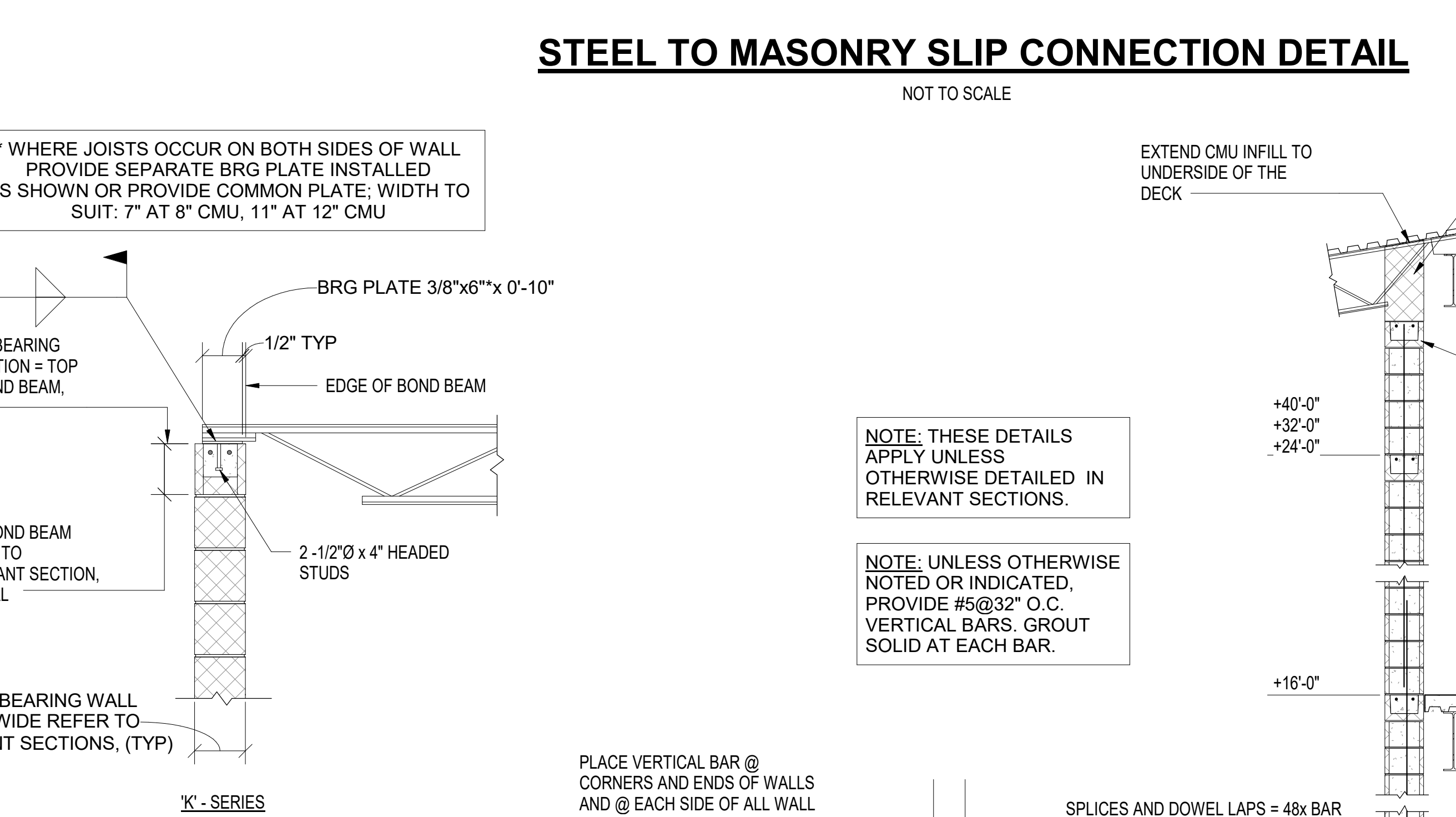
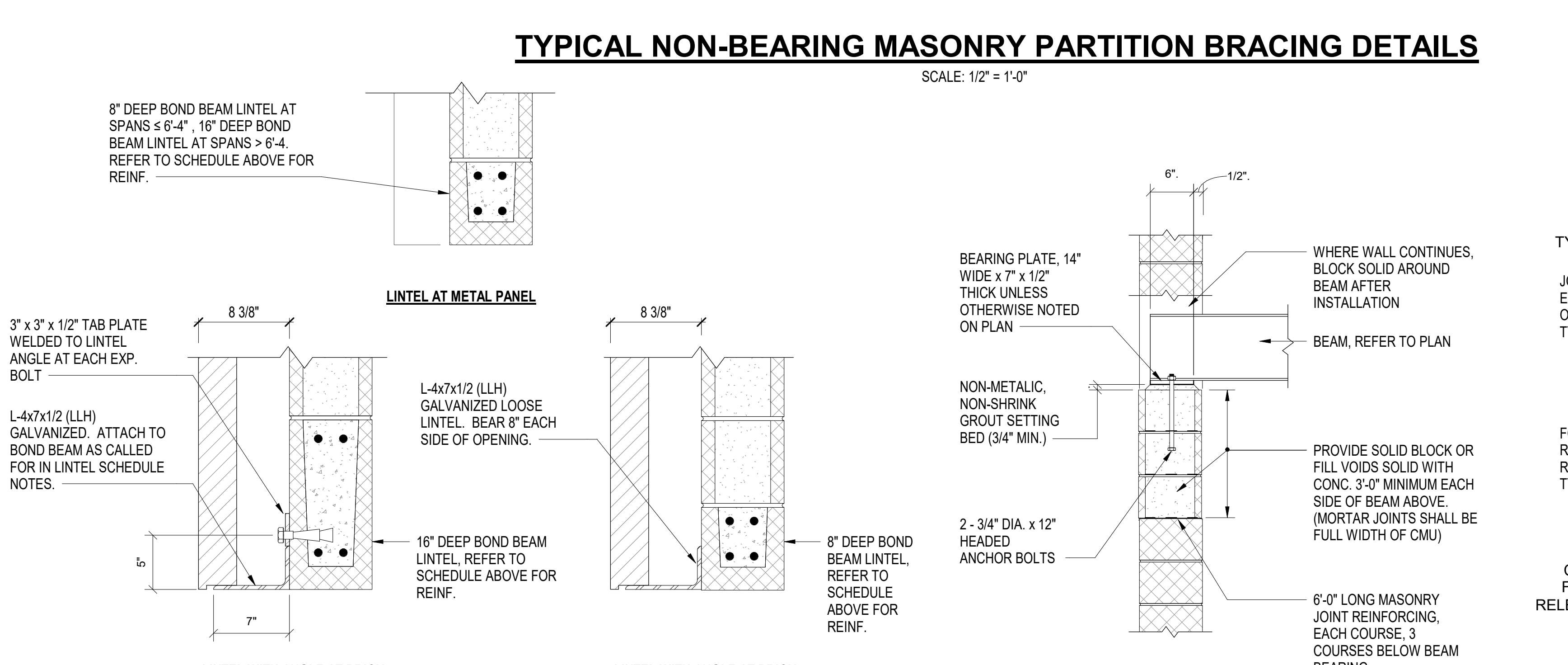
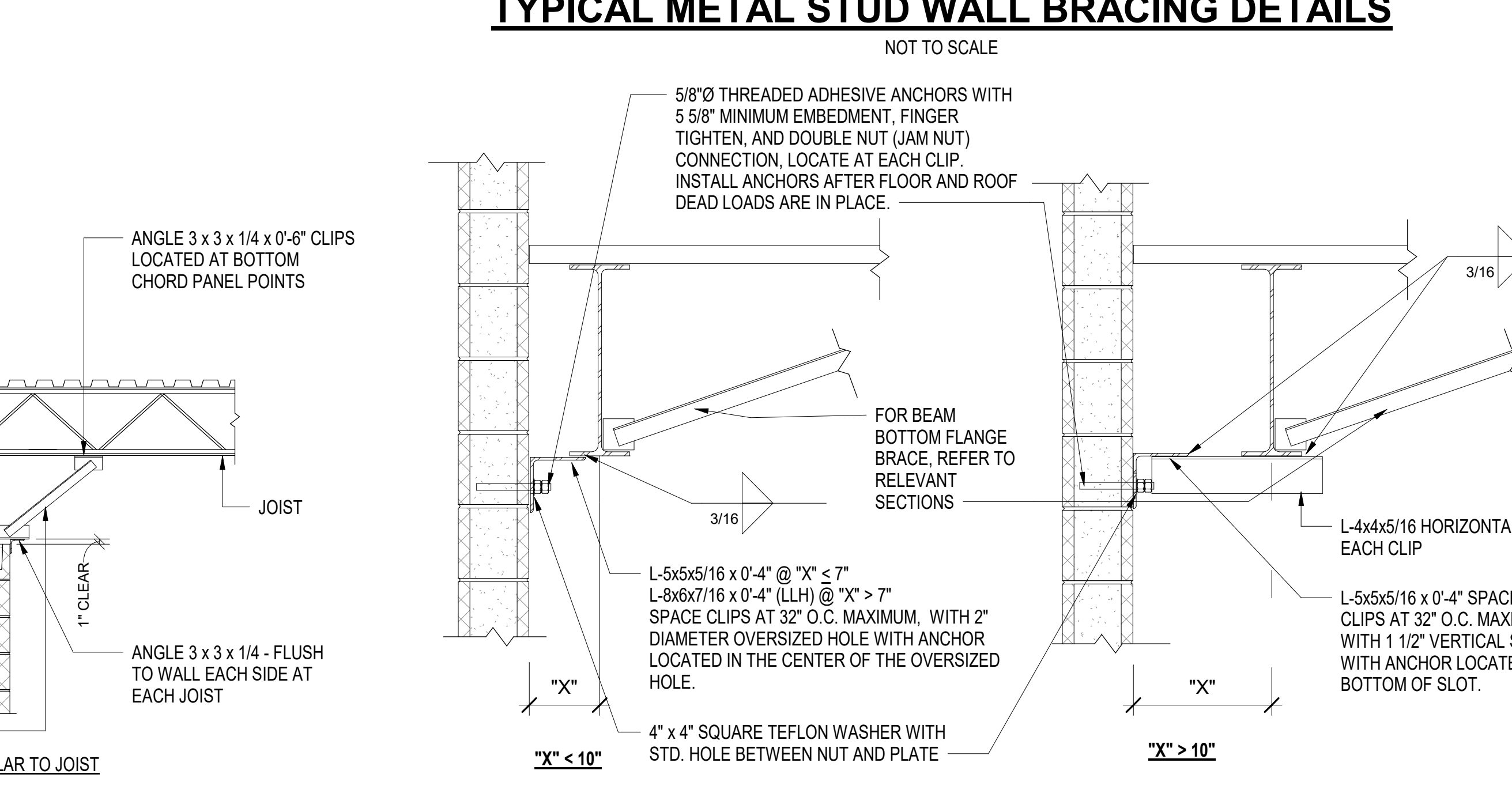
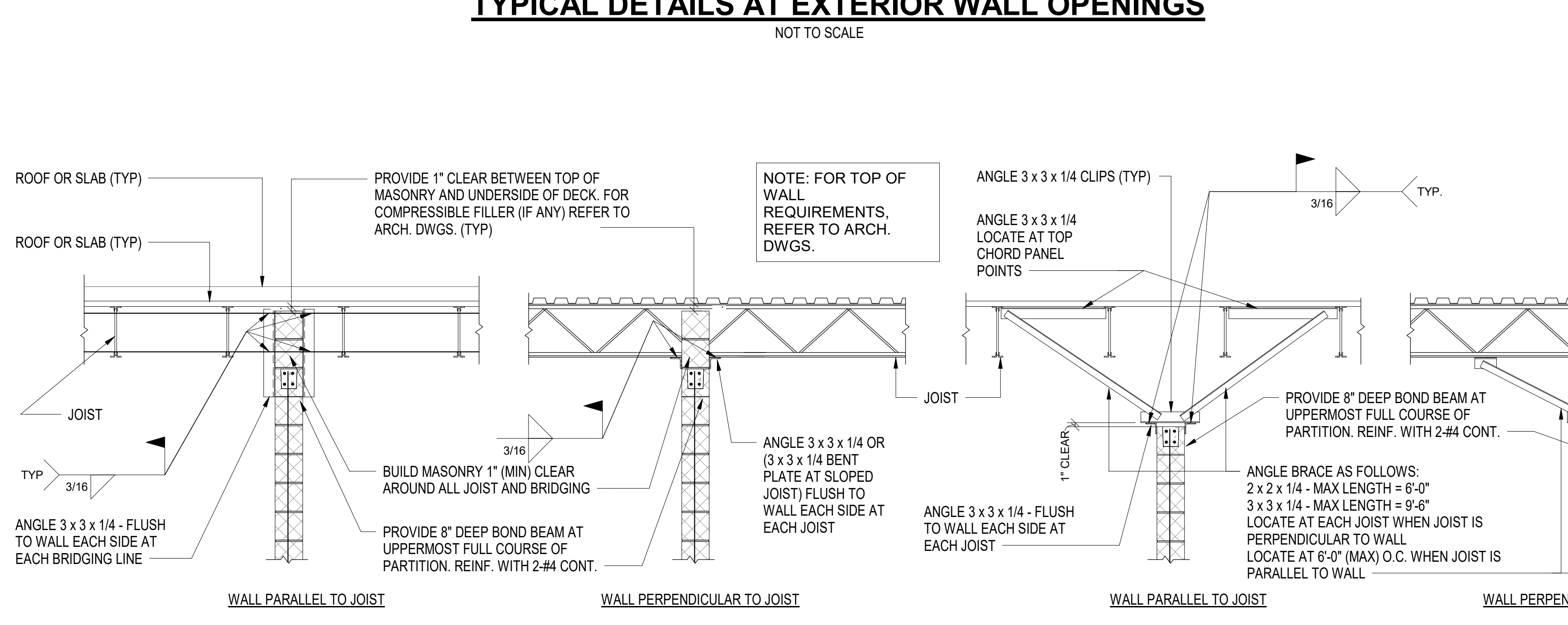
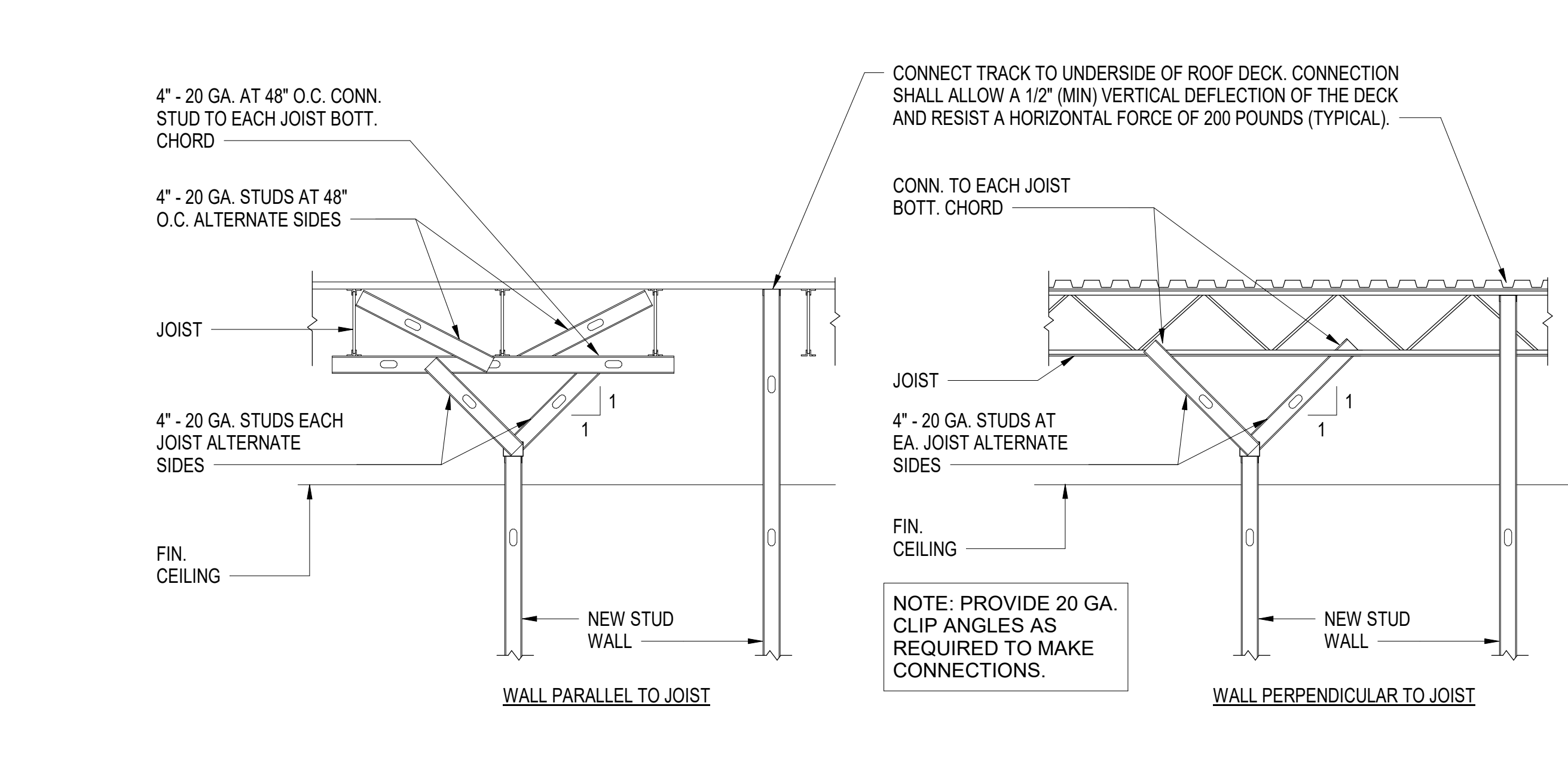
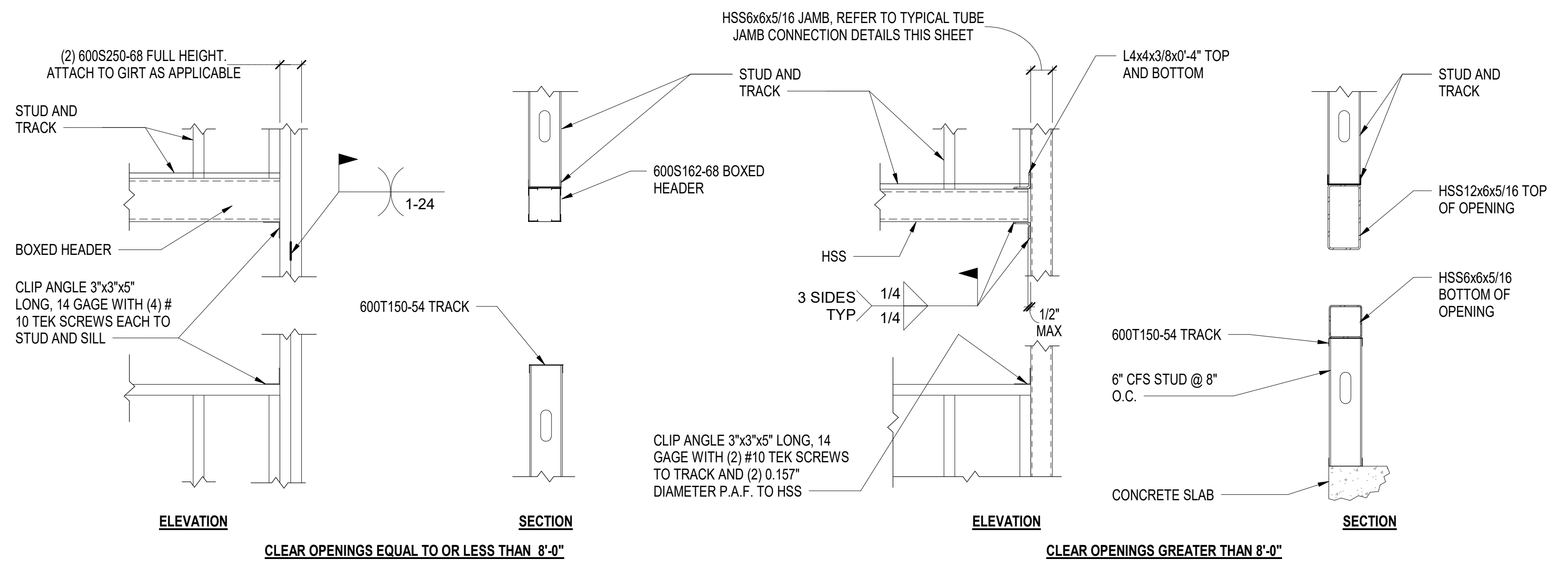


LENOIR COMMUNITY COLLEGE
NEW AVIATION CENTER FOR EXCELLENCE
KINSTON, NC

TYPICAL DETAILS

SCALE: AS INDICATED
DRAWN: JSS
CHECKED: KMR
DATE: 2-28-2024
PROJECT NO: 2022-18

S5.1

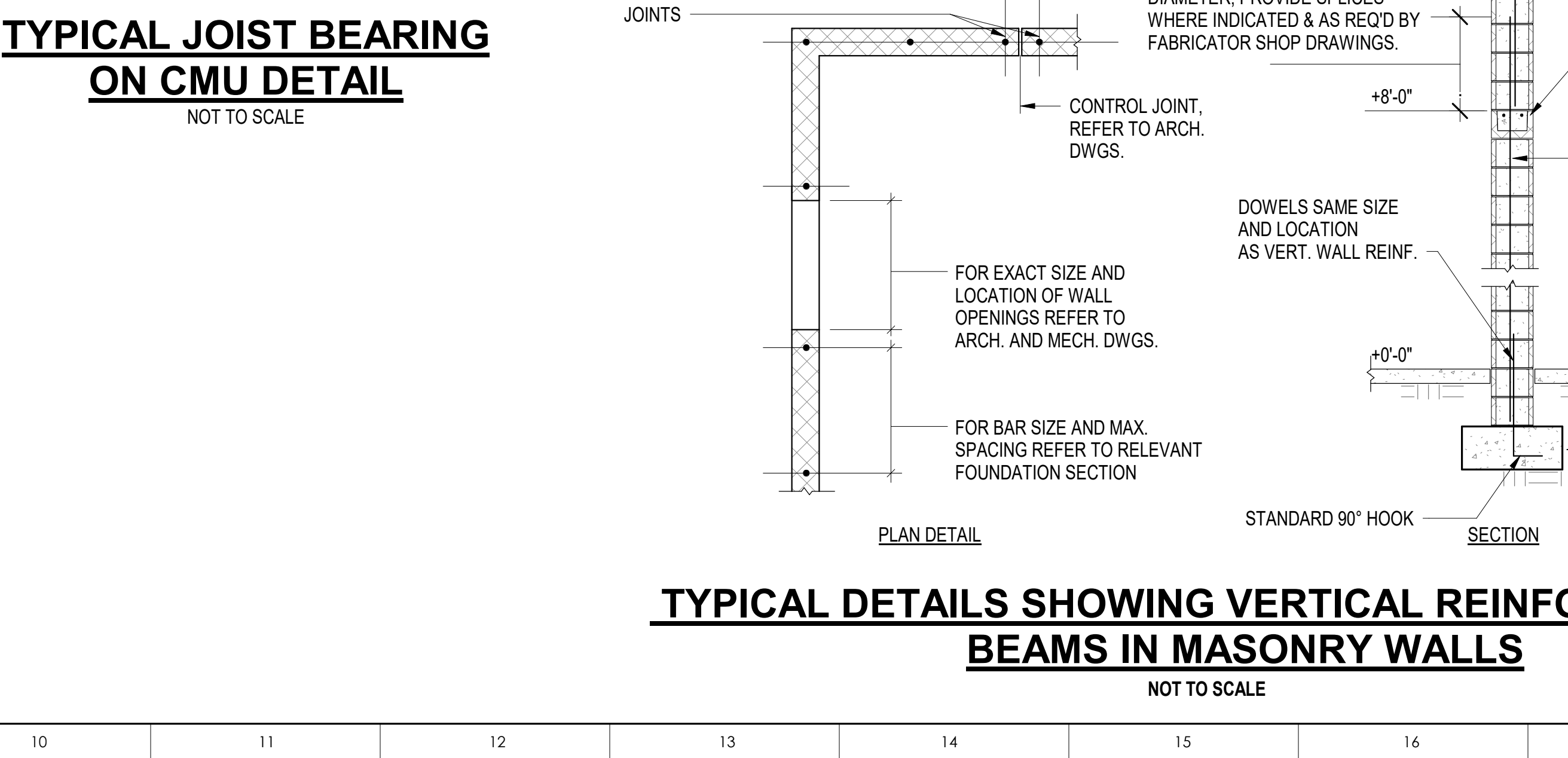


MASONRY AND PRECAST CONCRETE LINTEL SCHED. FOR C.M.U. PARTITIONS

WALL WIDTH	TOP AND BOTTOM REINFORCING		
	4' SPAN & LESS CLEAR SPAN	OVER 4' TO 6' CLEAR SPAN	OVER 6' TO 8' CLEAR SPAN
8"	2 - #4	2 - #4	2 - #5
12"	2 - #5	2 - #6	2 - #7

NOTES:

- FOR SIZE AND LOCATION OF OPENINGS REFER TO ARCH. DRAWINGS.
- BEARING SHALL BE 8" MINIMUM EACH END.
- LINTELS UP TO 6'-4" SPAN SHALL BE 7-5/8" DEEP. LINTELS OVER 6'-4" SPAN SHALL BE 15-5/8" DEEP.
- FOR HEAD DETAILS REFER TO ARCHITECTURAL DRAWINGS.
- FOR SPANS OVER 6'-4" LINTEL ANGLE SHALL BE ATTACHED TO MASONRY OR PRECAST LINTEL WITH 3/4" Ø EXPANSION BOLTS (5" MIN. EMBEDMENT) AT 3'-0" O.C. (MIN. 3 PER ANGLE).
- STEEL LINTEL ANGLES SHALL BE GALVANIZED, REFER TO SPECS.
- REINFORCING STEEL SHALL CONFORM TO A.S.T.M. A615, GRADE 60.
- CONTRACTOR SHALL SUBMIT FOR APPROVAL SHOP DRAWINGS AND SCHEDULES SHOWING SIZE, DETAILS, LOCATION, ETC. FOR ALL LINTELS IN C.M.U. WALLS.



GENERAL NOTES

KEY PLAN

SCO ID # 22-25364-01A

NO	REVISION	DATE

J K F ARCHITECTURE
 223 LYNDALE CT, SUITE 6, GREENVILLE, NC 27608 252-355-1048

LENOIR COMMUNITY COLLEGE
 NEW AVIATION CENTER FOR EXCELLENCE
 KINSTON, NC

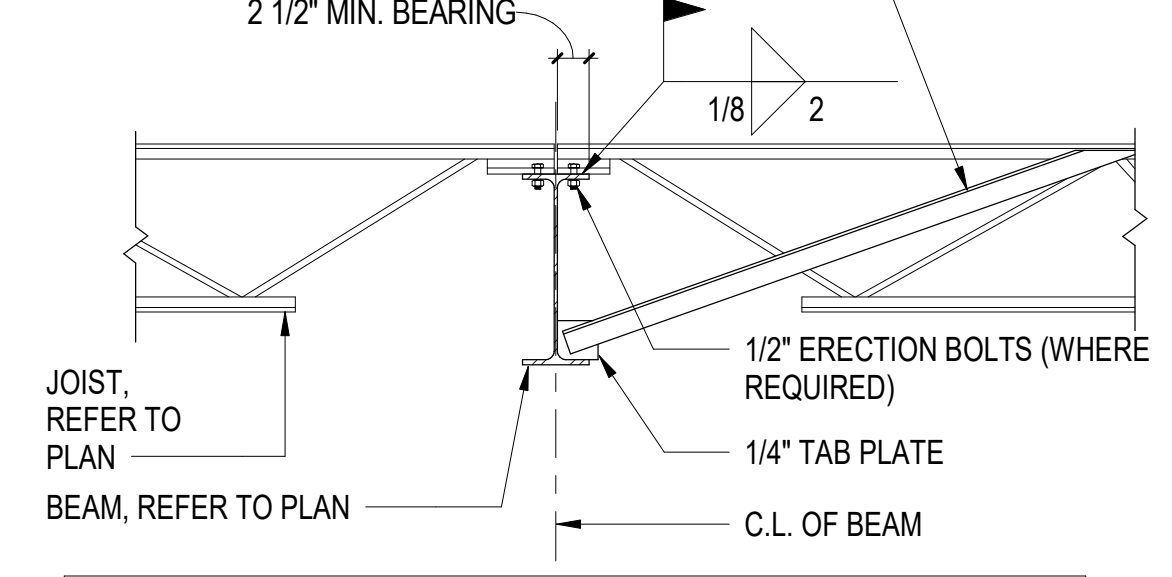
DRAWING TITLE: TYPICAL DETAILS

SCALE: AS INDICATED
 DRAWN: JSS
 CHECKED: KMR
 DATE: 2-28-2024
 PROJECT NO: 2022-18

S5.2

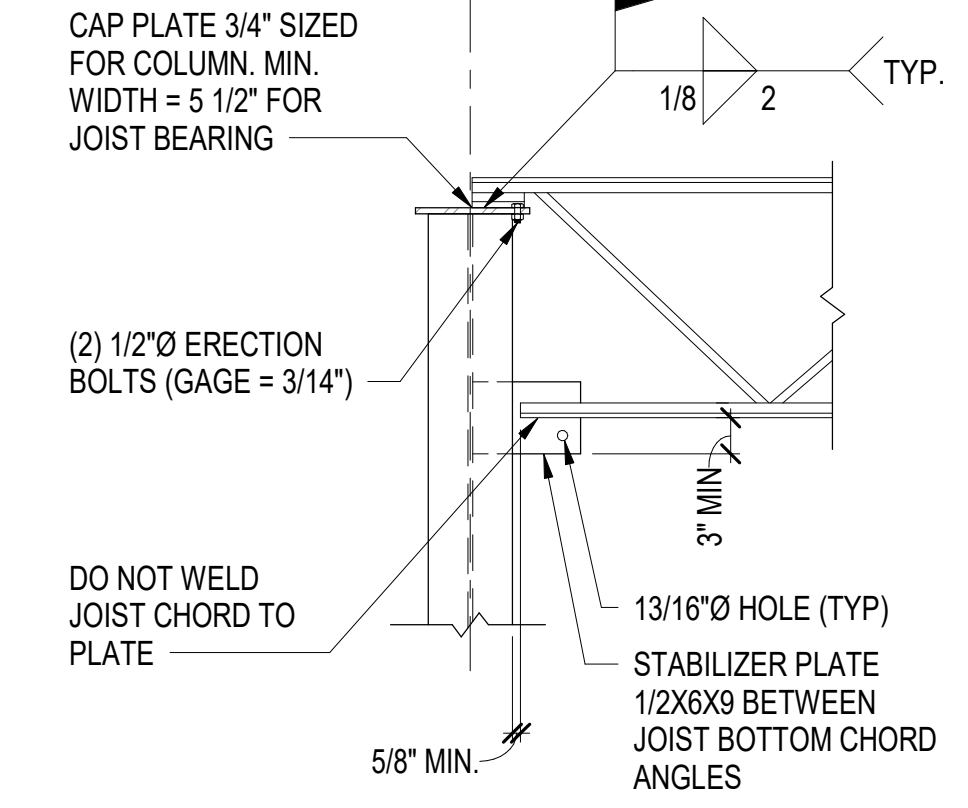
© COPYRIGHT, JKF ARCHITECTURE PC, JOHN K. PARKAL, AIA

WHERE NOTED ON PLAN THUS: ADD BRACING FROM BEAM TO JOIST TOP CHORD PANEL POINT. SLOPE 45° MAX FROM HORIZONTAL. PROVIDE 3" OF 3/16" FILLET WELD EA. END

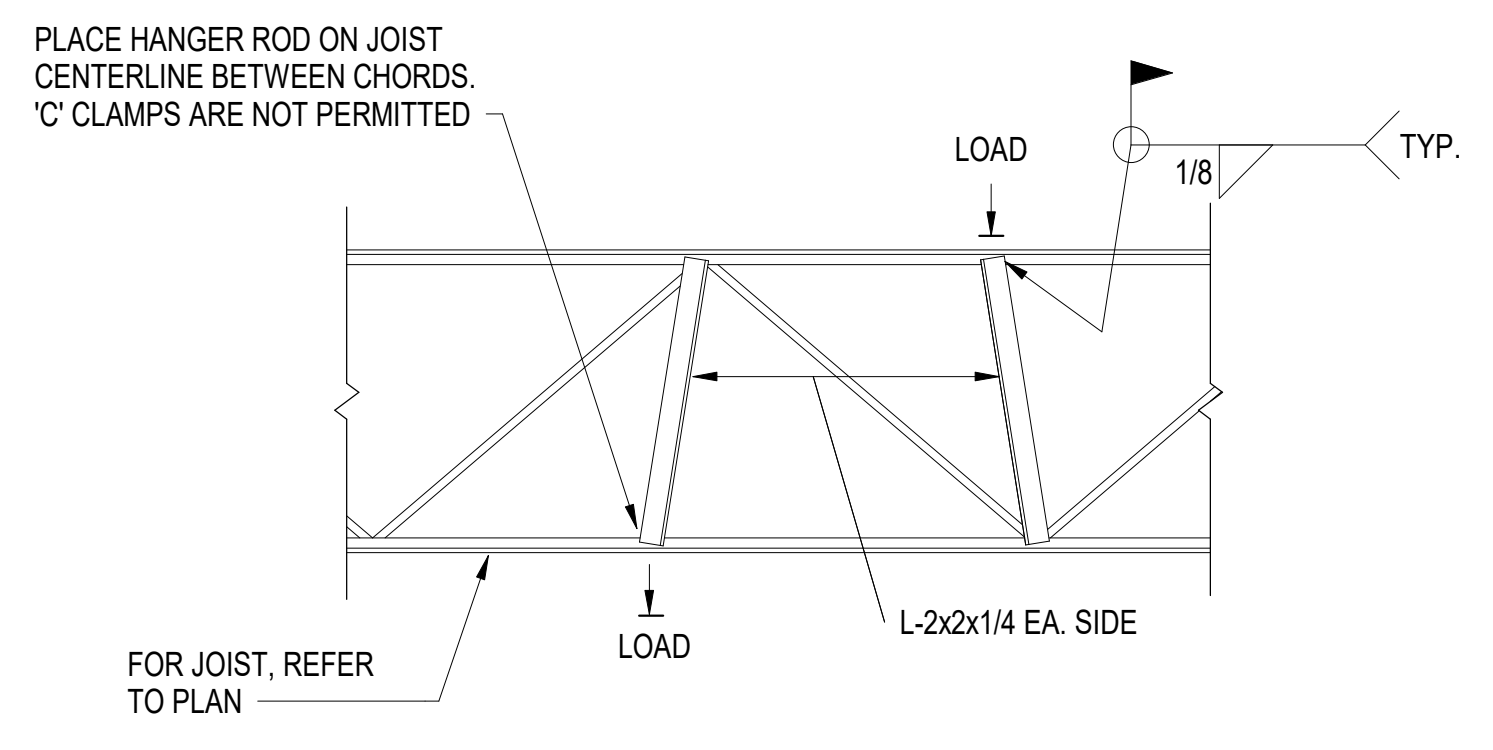


NOTE: OFFSET JOIST TO PROVIDE MINIMUM REQUIRED BEARINGS. BUTT JOISTS END TO END OVER BEAM CENTERLINE AND PROVIDE SPECIAL JOIST END PER S.J.I. REQUIREMENTS WHERE JOISTS MUST BE ALIGNED.

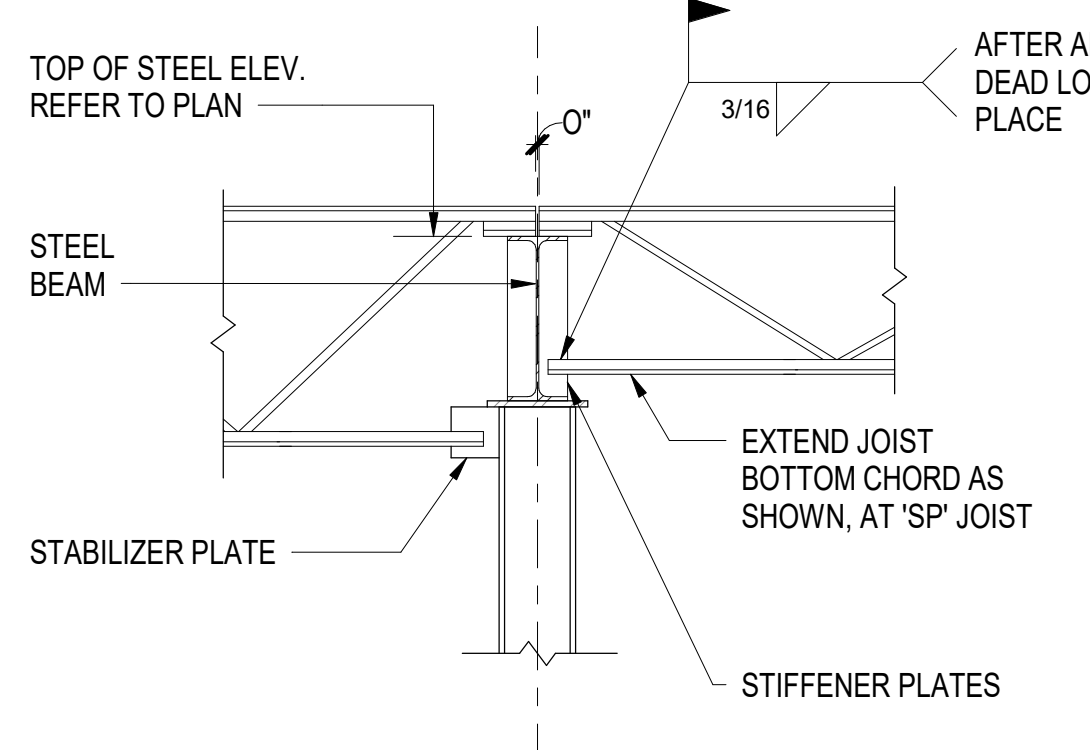
TYPICAL JOIST TO BEAM CONNECTION DETAIL
NOT TO SCALE



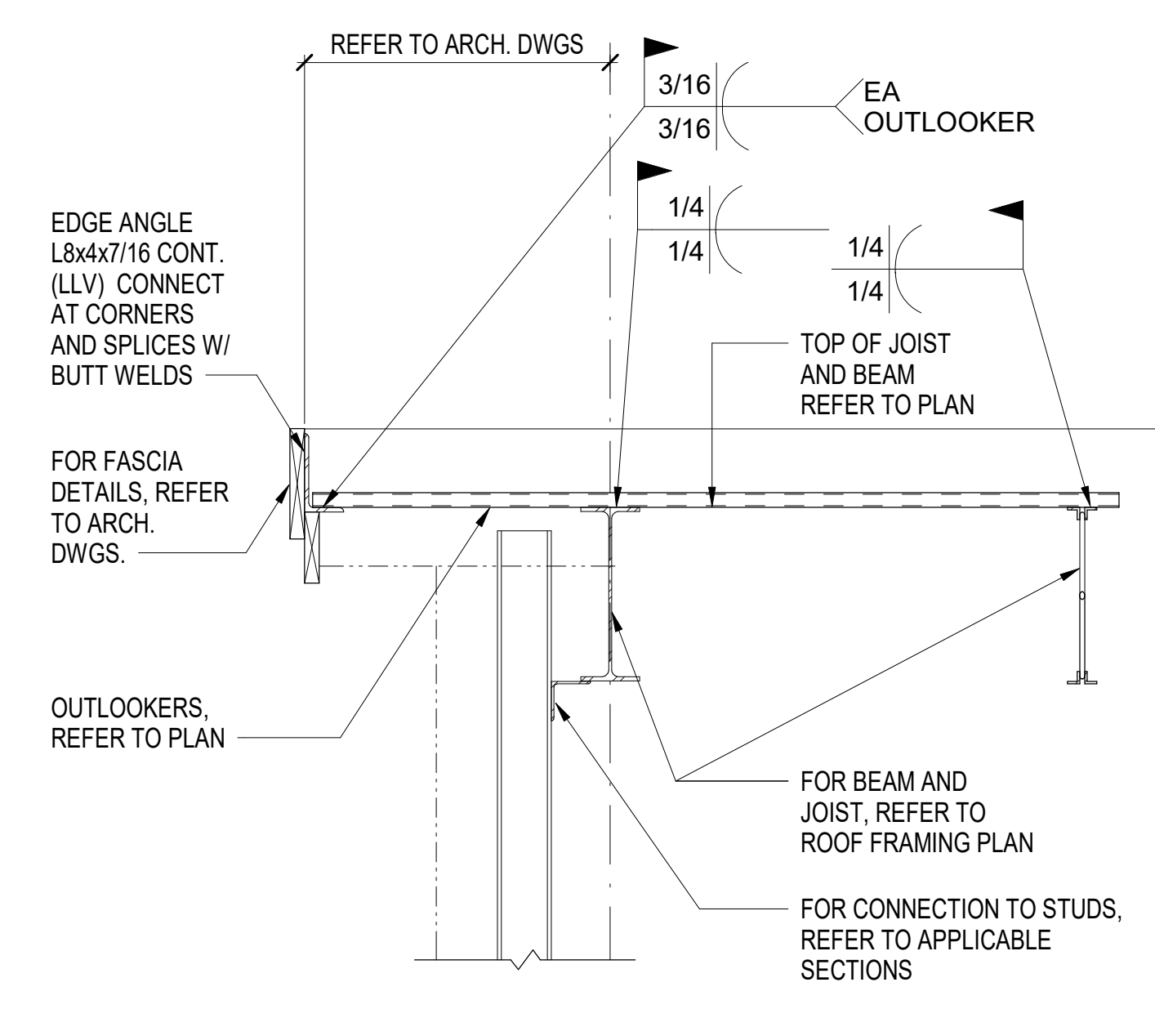
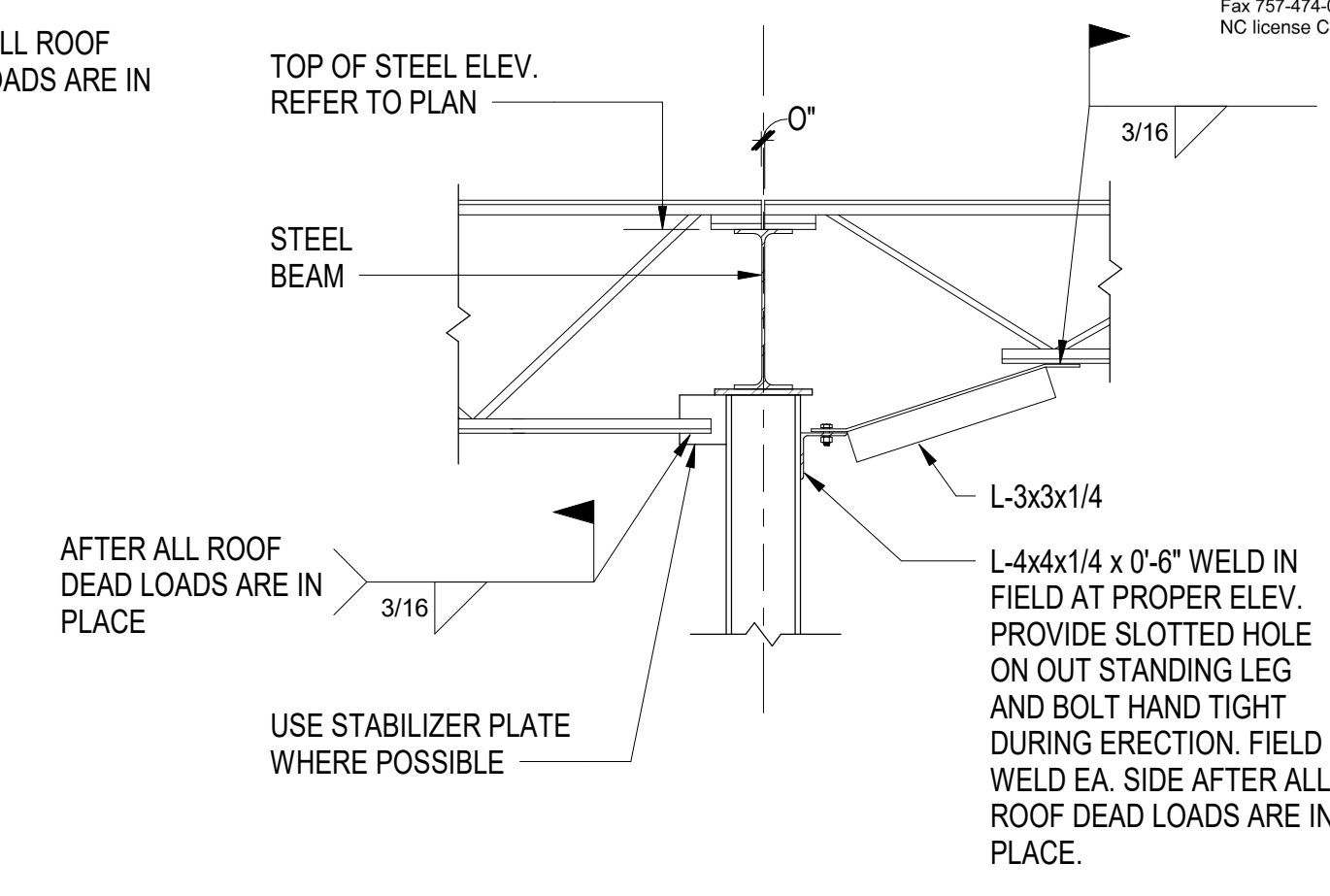
TYPICAL JOIST TO COLUMN CONNECTION DETAIL
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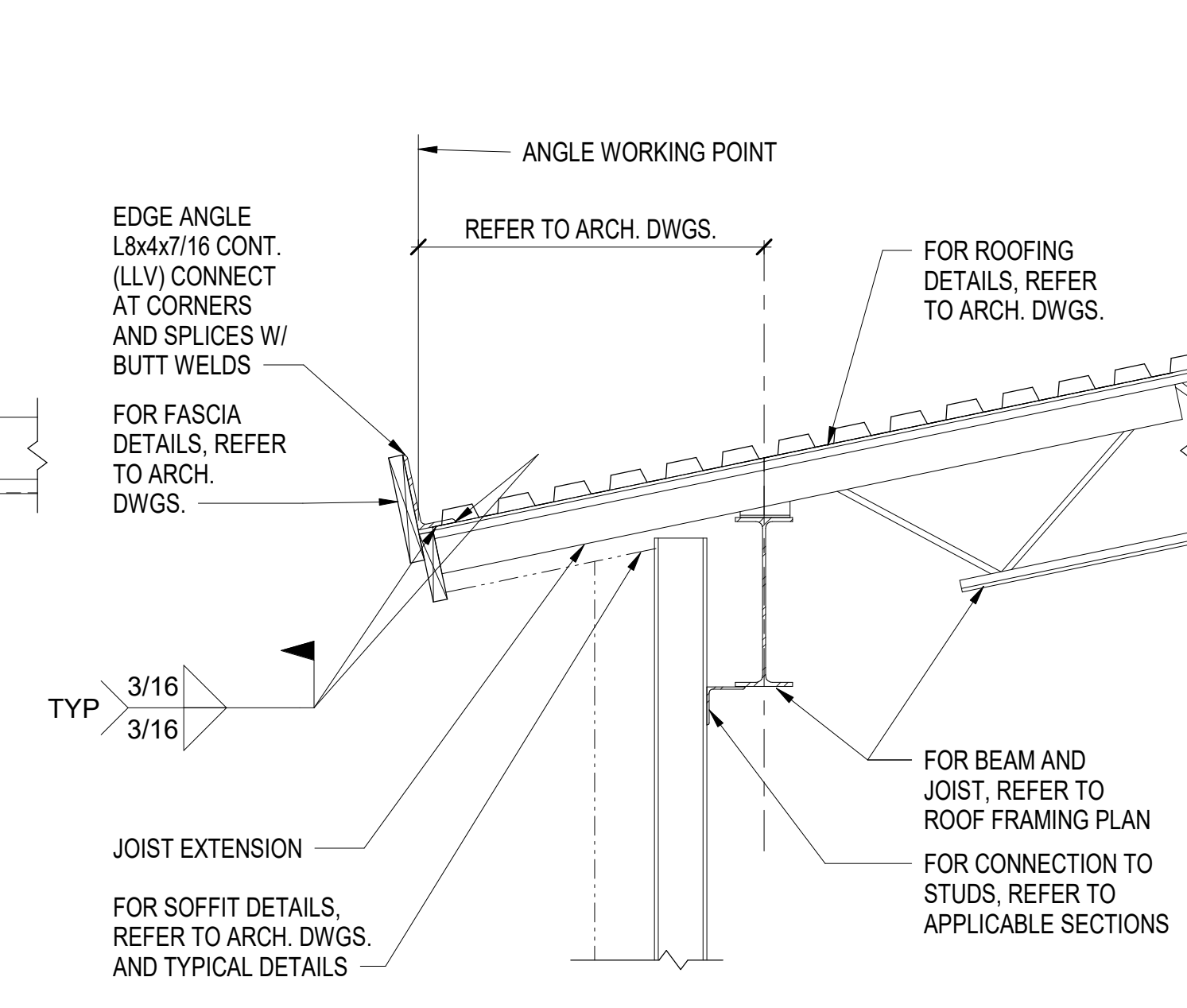
TYPICAL ADDED REINF. AT JOIST SUPPORTING LOADS BETWEEN PANEL POINTS
NOT TO SCALE



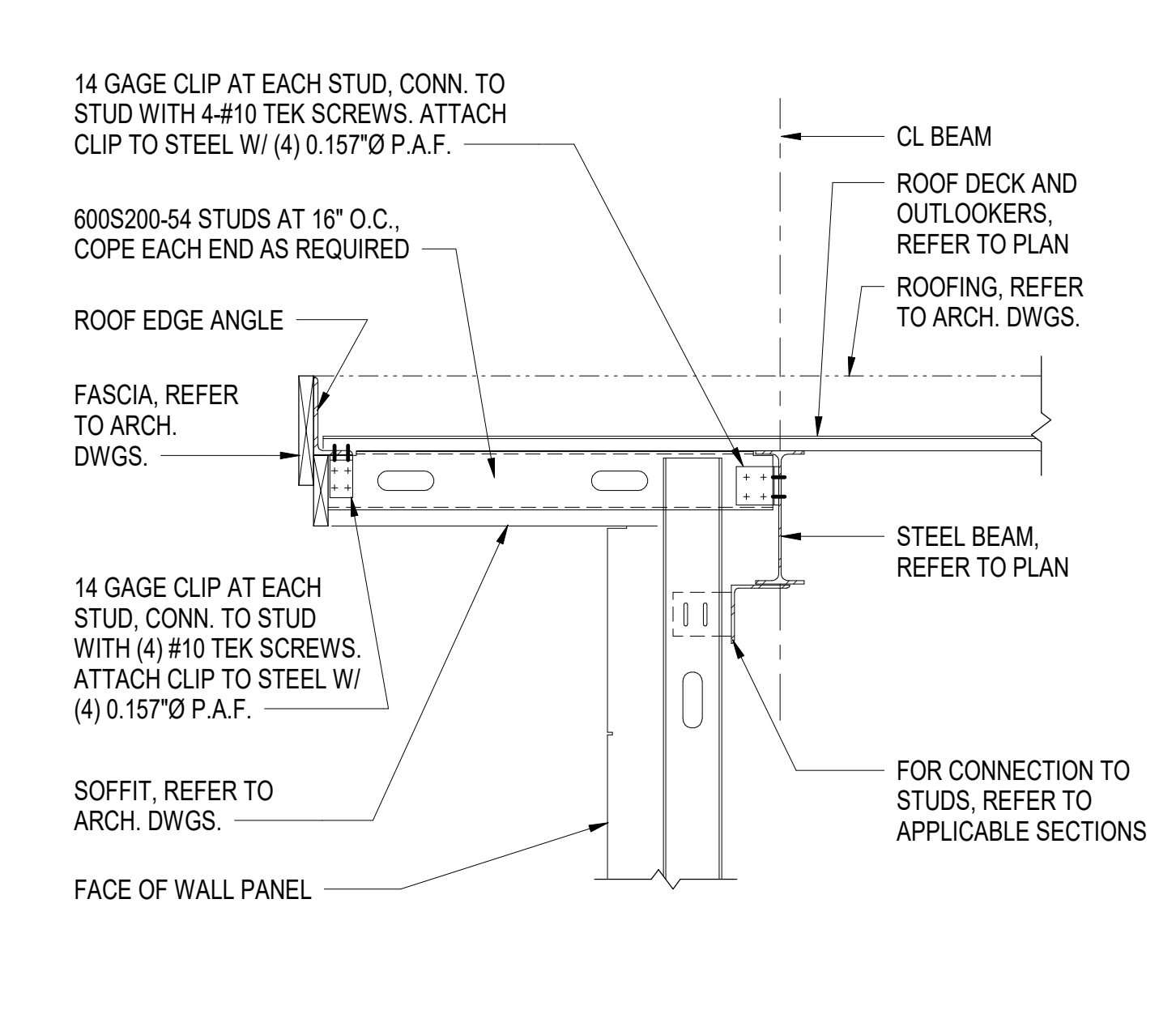
TYPICAL 'SP' JOIST CONNECTION DETAIL
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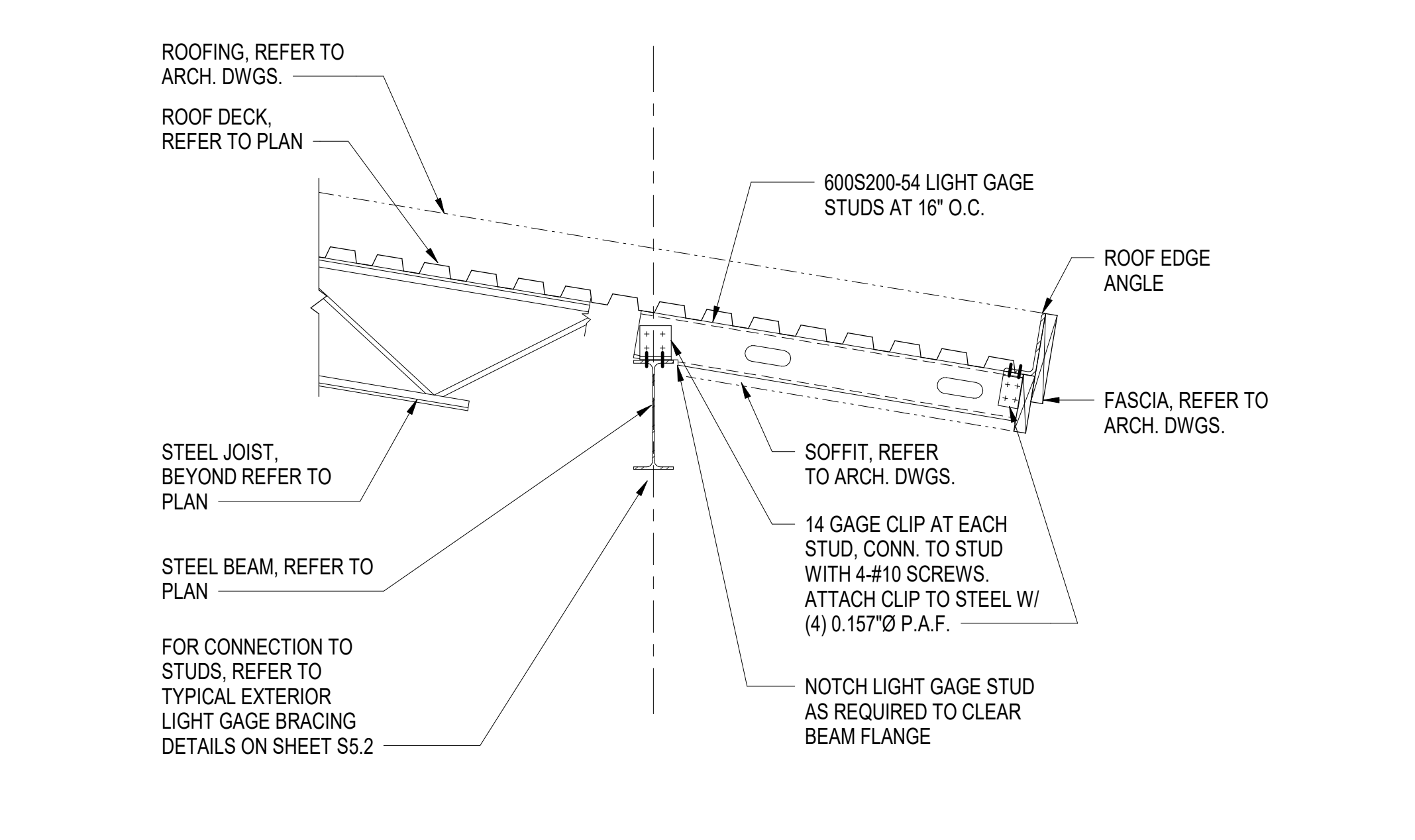
CONDITION AT EAVES WITH OUTLOOKER
TYPICAL ROOF EDGE DETAILS
NOT TO SCALE



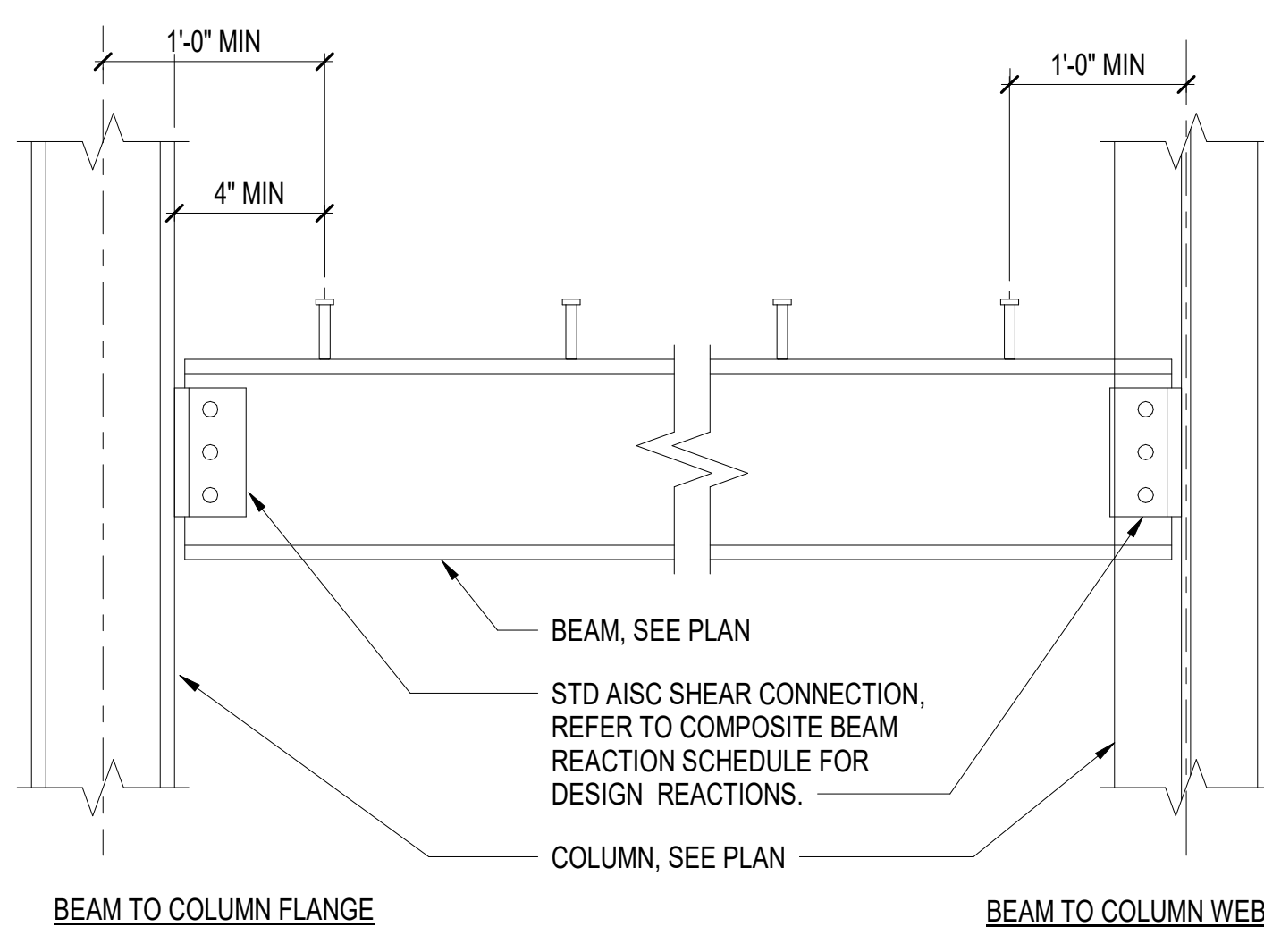
CONDITION AT JOIST EXTENDED ENDS



TYPICAL ROOF OVERHANG SOFFIT FRAMING AT OUTLOOKERS DETAIL
NOT TO SCALE

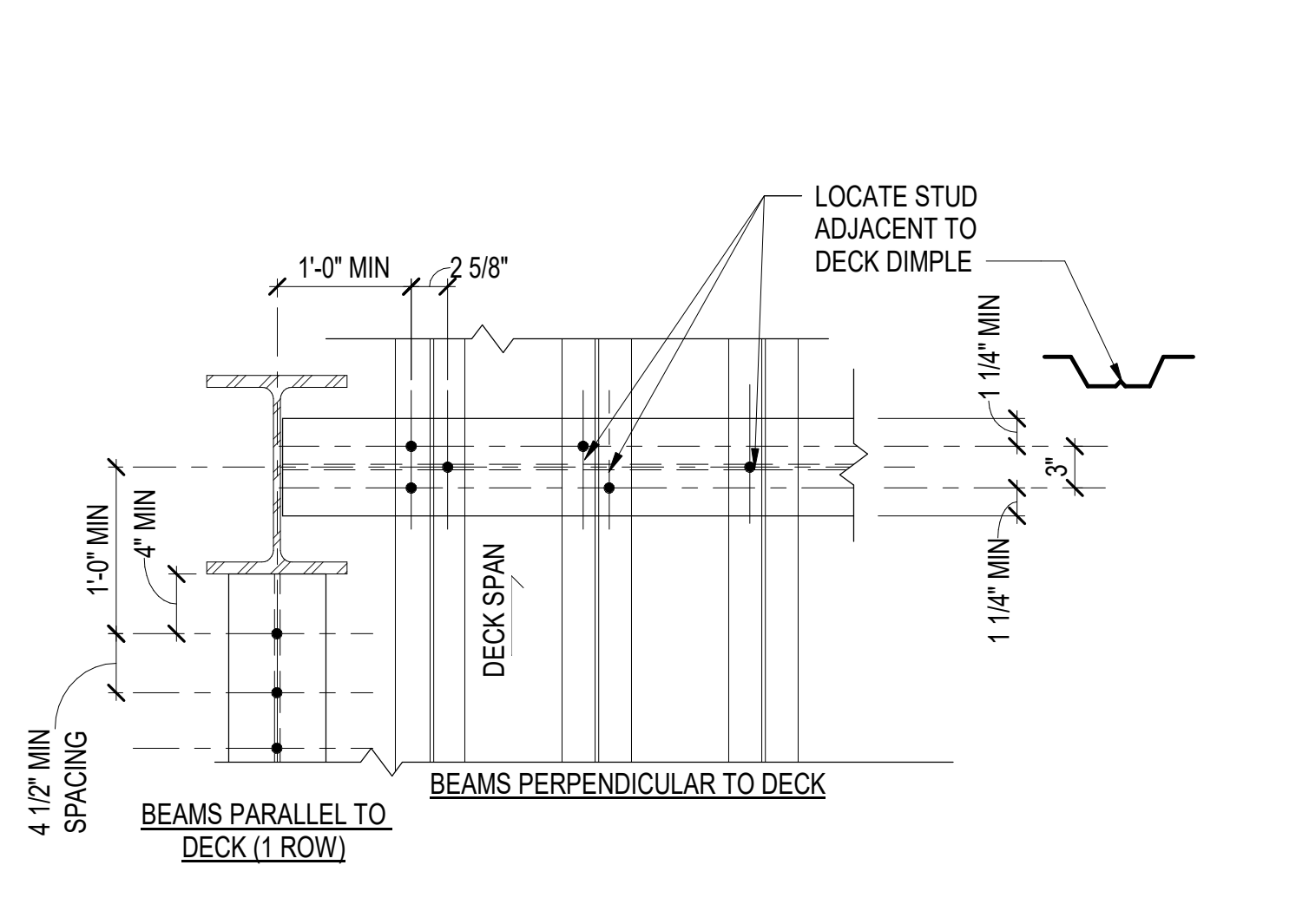


TYPICAL ROOF OVERHANG SOFFIT FRAMING AT LOW AND HIGH END DETAIL
NOT TO SCALE



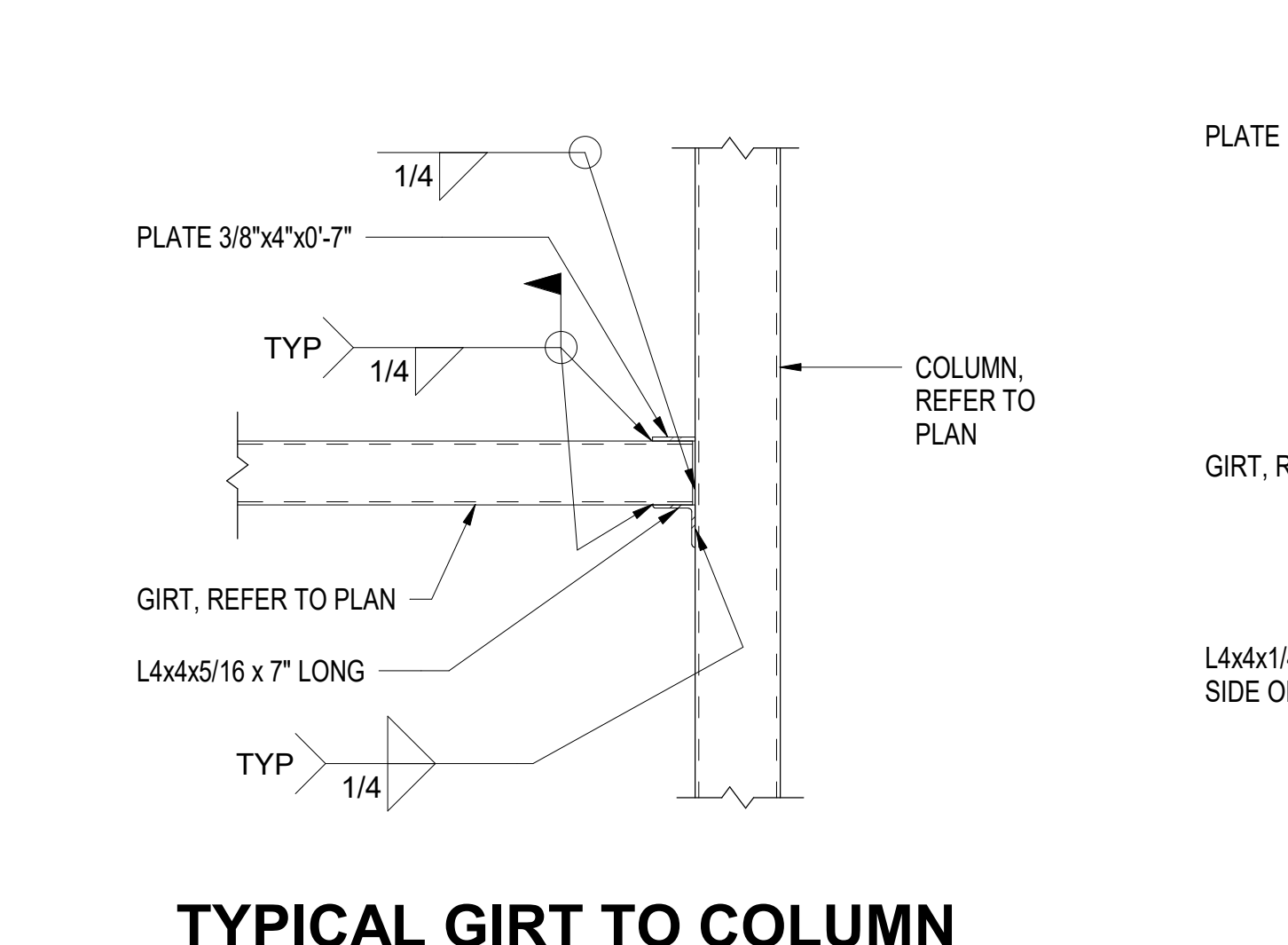
- SHEAR STUDS NOTES:**
- N - TOTAL NUMBER OF SHEAR STUDS SHOWN ON THE DRAWINGS.
 - STUDS SHALL BE EQUALLY SPACED UNLESS OTHERWISE NOTED.
 - ON ALL BEAMS THAT REQUIRE A SINGLE ROW OF STUDS, STUDS SHALL BE PLACED DIRECTLY OVER THE BEAM WEB. STUDS SHALL BE LOCATED IN THE PORTION OF THE DECK RIB CLOSEST TO THE BEAM ENDS.
 - PLACE STUDS IN A SINGLE ROW WHERE SPACING REQUIREMENTS PERMIT. STUDS SHALL BE PLACED IN TWO OR THREE ROWS ONLY WHERE REQUIRED IN ORDER TO PLACE THE TOTAL NUMBER OF STUDS. THE MAXIMUM NUMBER OF STUDS PER METAL DECK RIB IS THREE.
 - STUD PLACEMENT PROCEDURE FOR DECK PERPENDICULAR TO SUPPORT. PLACE A STUD IN ALTERNATING FLUTES FOR THE ENTIRE LENGTH OF BEAM. PLACE REMAINING STUDS IN FLUTES WITHOUT STUDS, STARTING AT EACH END OF THE BEAM AND CONTINUING TO BEAM CENTER. DISTRIBUTE HEADED STUDS EQUALLY FROM EACH END. IF STUDS REMAIN, PLACE A SECOND STUD IN EACH FLUTE, EQUALLY SPACED FROM EACH END TOWARD CENTER OF BEAM. IF STUDS REMAIN, PLACE A THIRD STUD IN EACH FLUTE EQUALLY SPACED FROM EACH END TOWARD CENTER OF BEAM.
 - SHEAR STUD WELDING REQUIREMENTS AND FIELD TESTING PROCEDURES SHALL BE AS SPECIFIED IN STUD WELDING IN AWS D1.1

TYPICAL COMPOSITE BEAM DETAILS
NOT TO SCALE

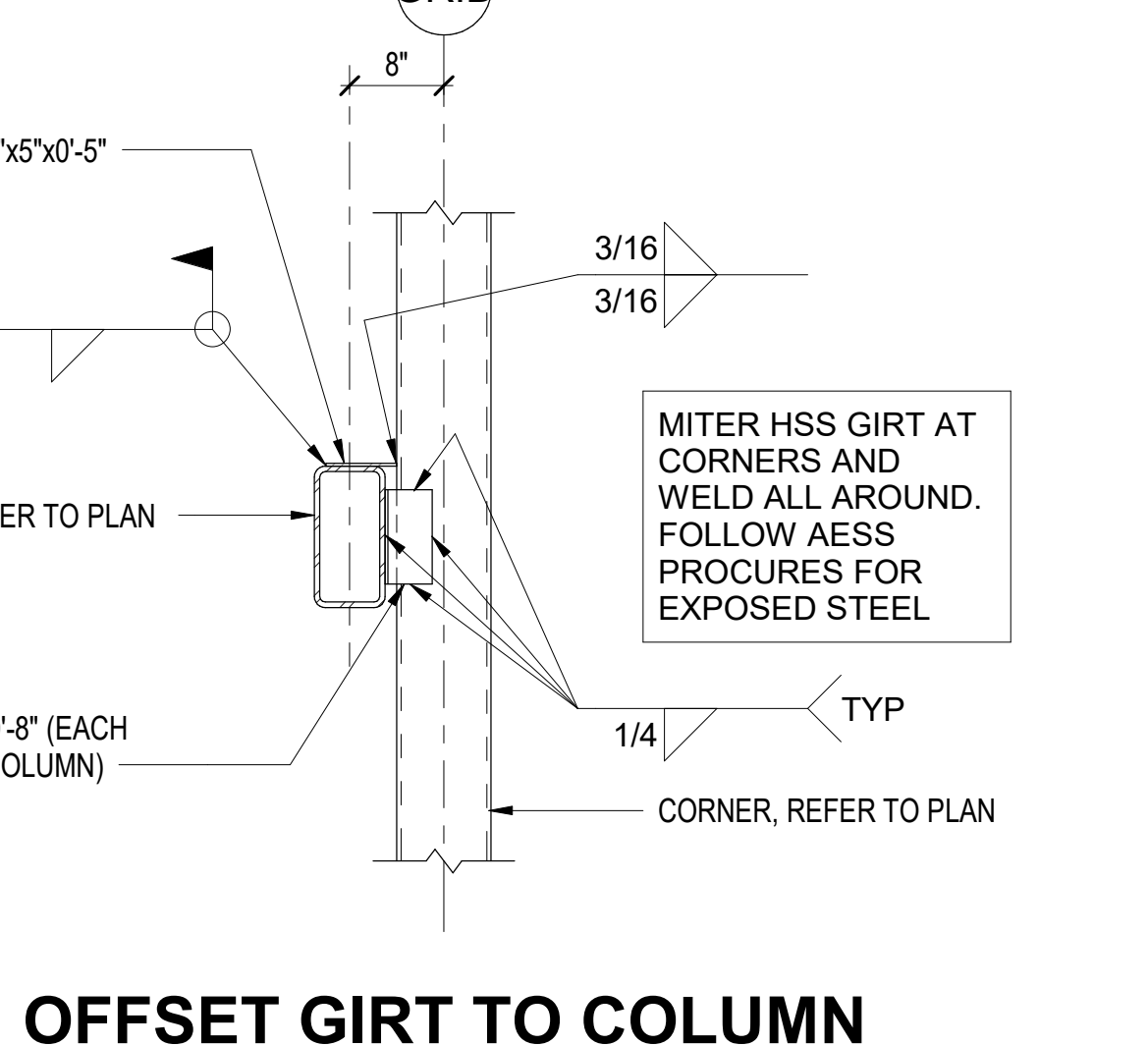


COMPOSITE BEAM REACTION SCHEDULE	
BEAM DEPTH	MAXIMUM UNFACTORED SHEAR REACTIONS (ASD) (KIPS) EACH END
W10	10k
W12	15k
W14	20k
W16	25k
W18	30k
W21	40k
W24, W27	63k
W24 (#)	90k

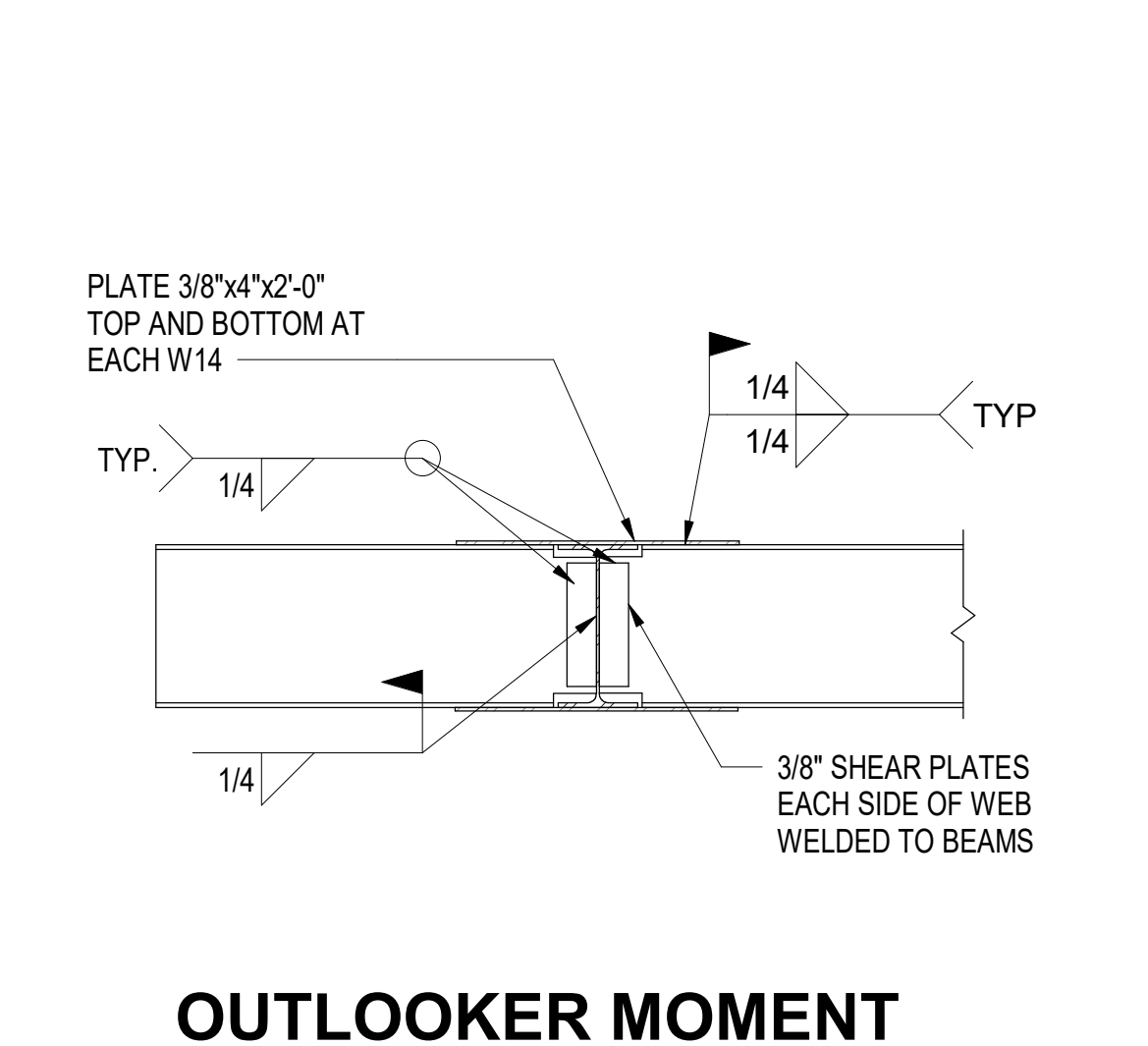
- FOR W24 (#), REFER TO PLAN SHEET S1.3 FOR LOCATION.



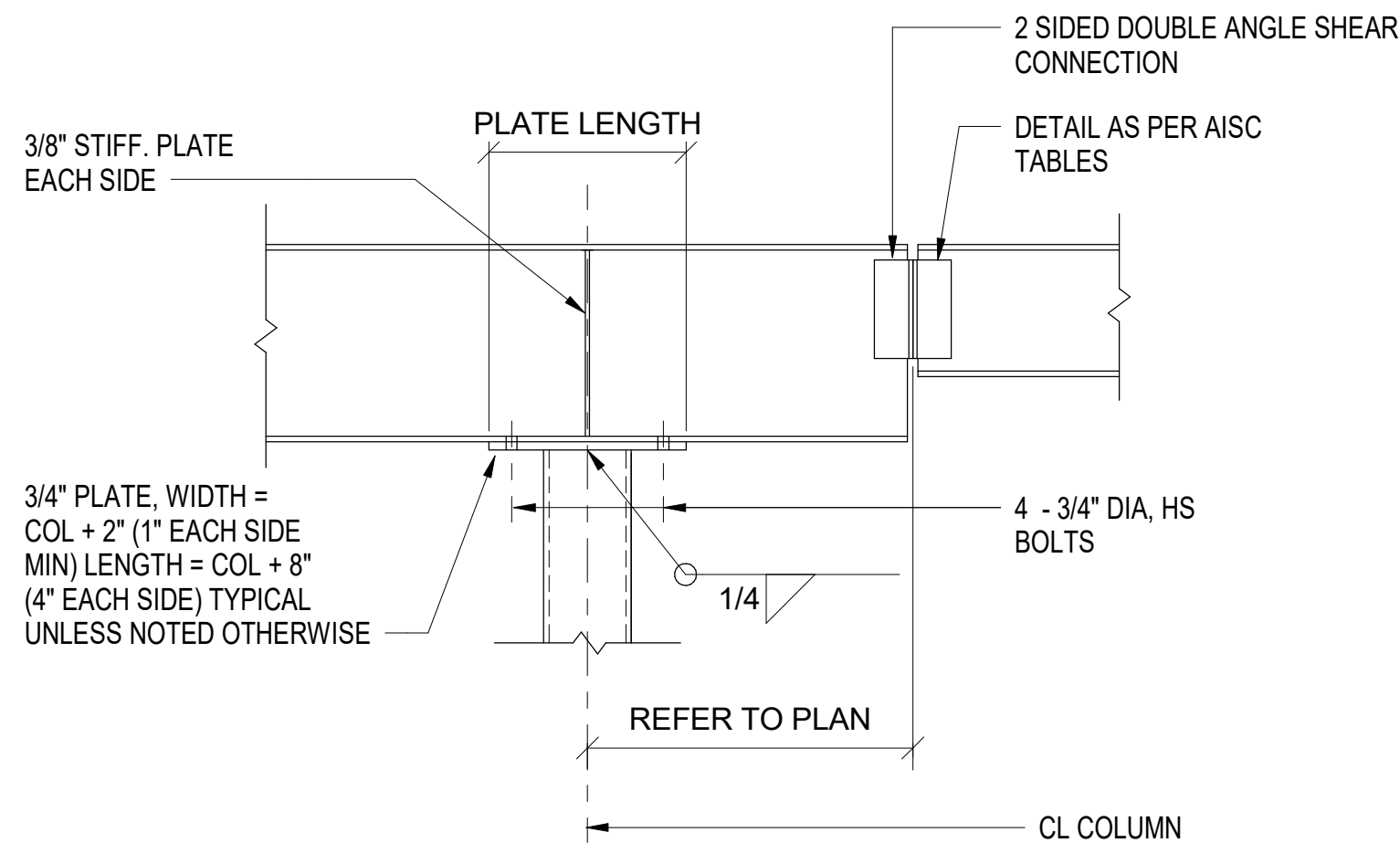
TYPICAL GIRT TO COLUMN CONNECTION DETAIL
NOT TO SCALE



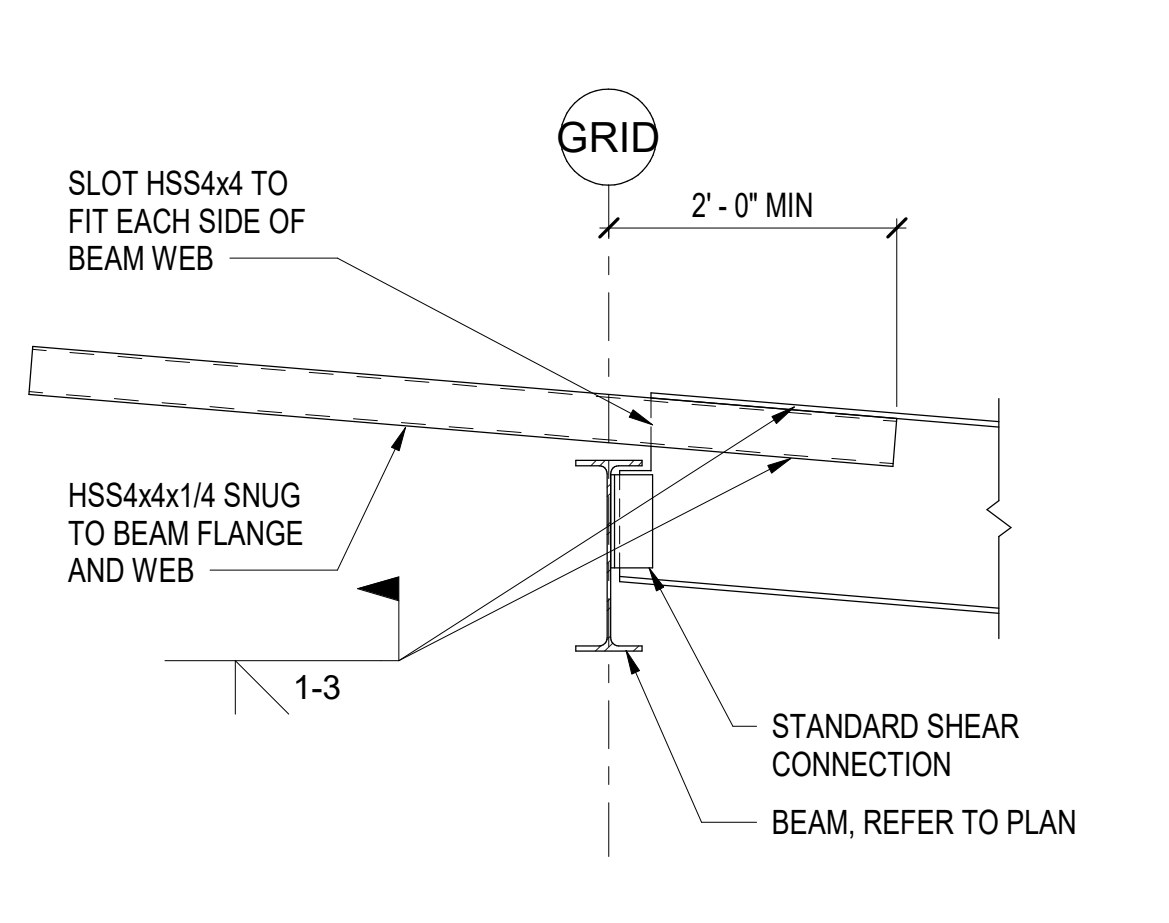
OFFSET GIRT TO COLUMN CONNECTION DETAIL
NOT TO SCALE



OUTLOOKER MOMENT CONNECTION DETAIL
NOT TO SCALE



TYPICAL DETAIL SHOWING BEAM BEARING ON COLUMN
NOT TO SCALE



TYPICAL BEAM EXTENSION DETAIL
NOT TO SCALE

GENERAL NOTES

SCO ID # 22-25364-01A

KEY PLAN

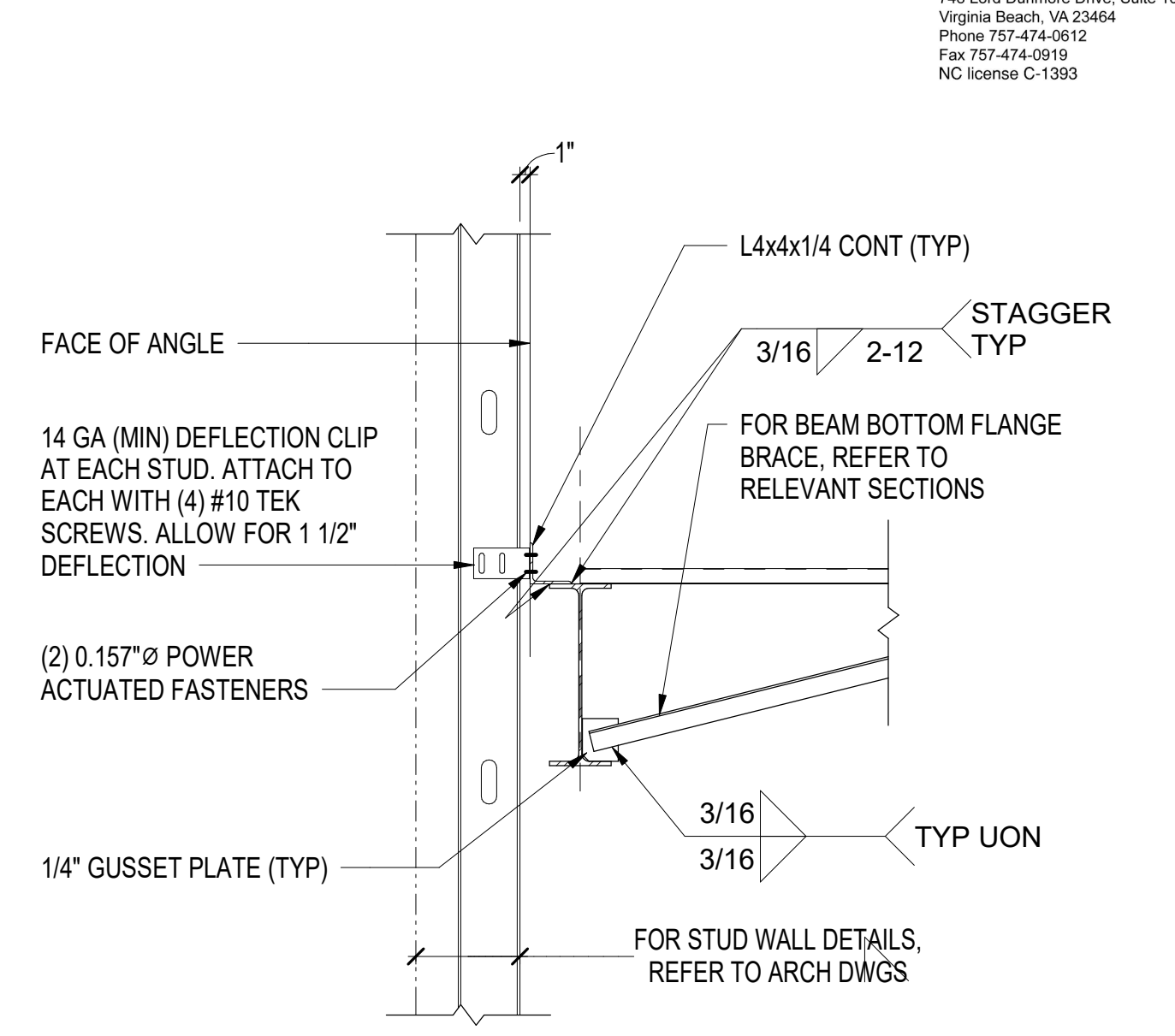
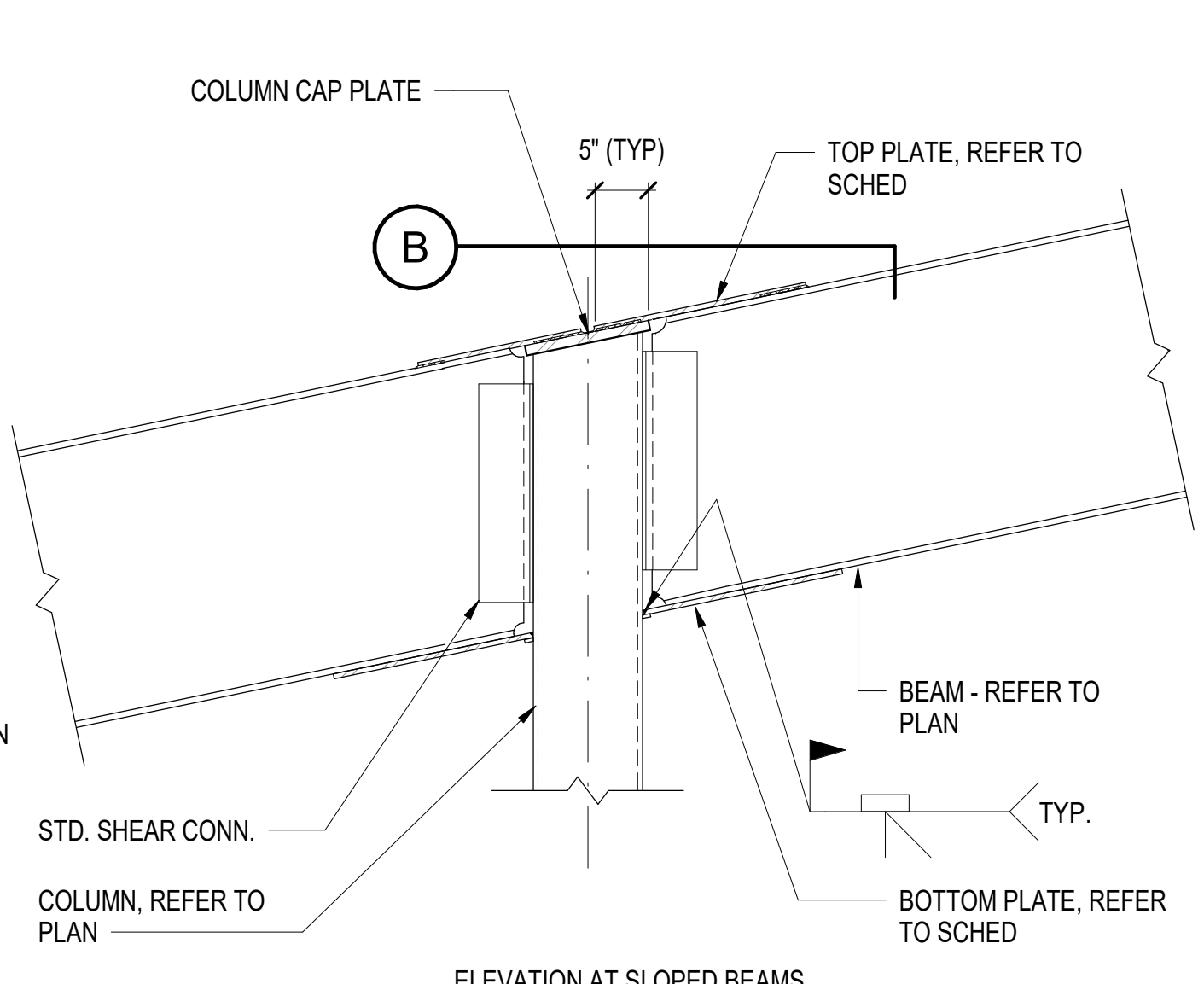
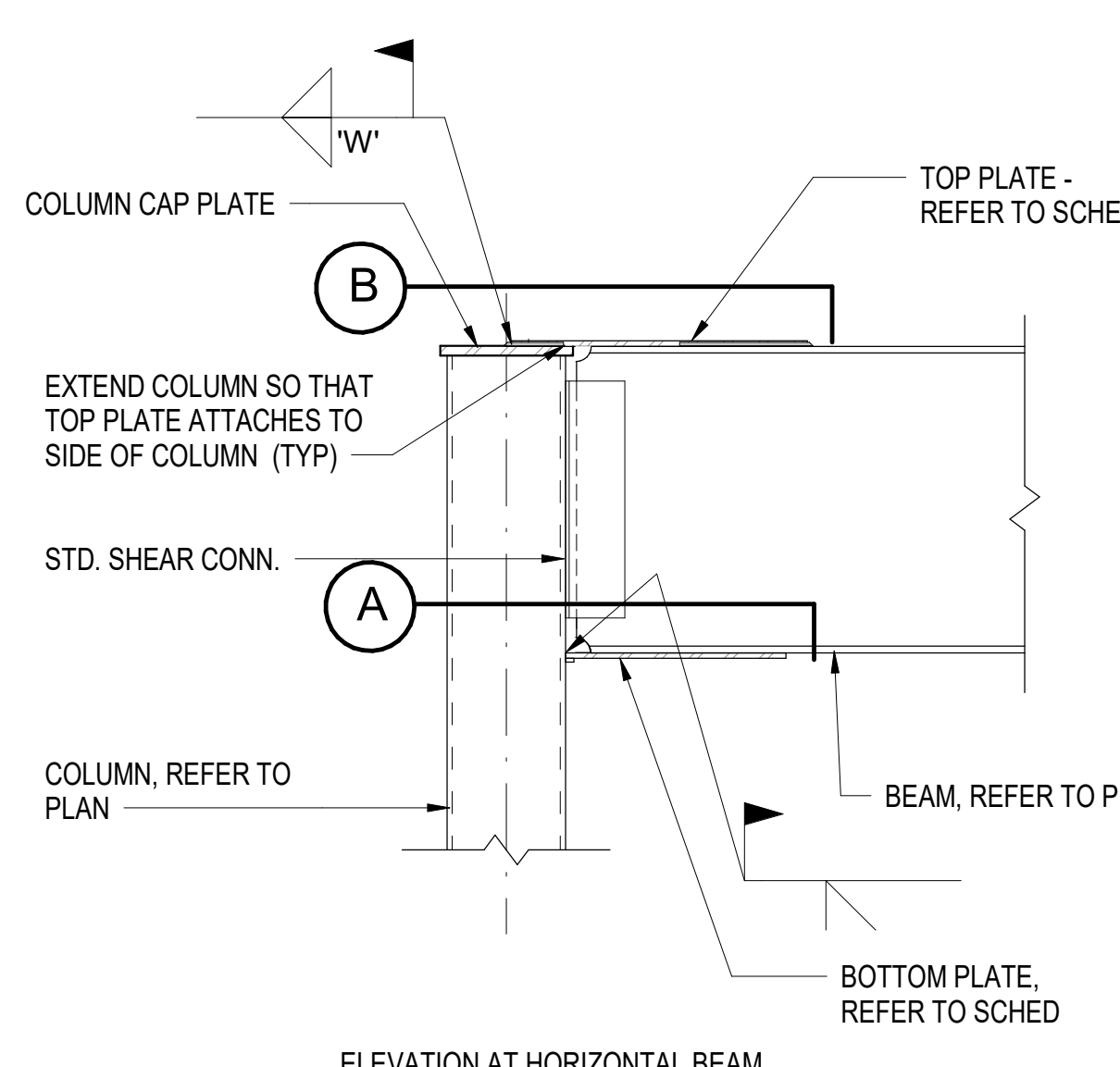
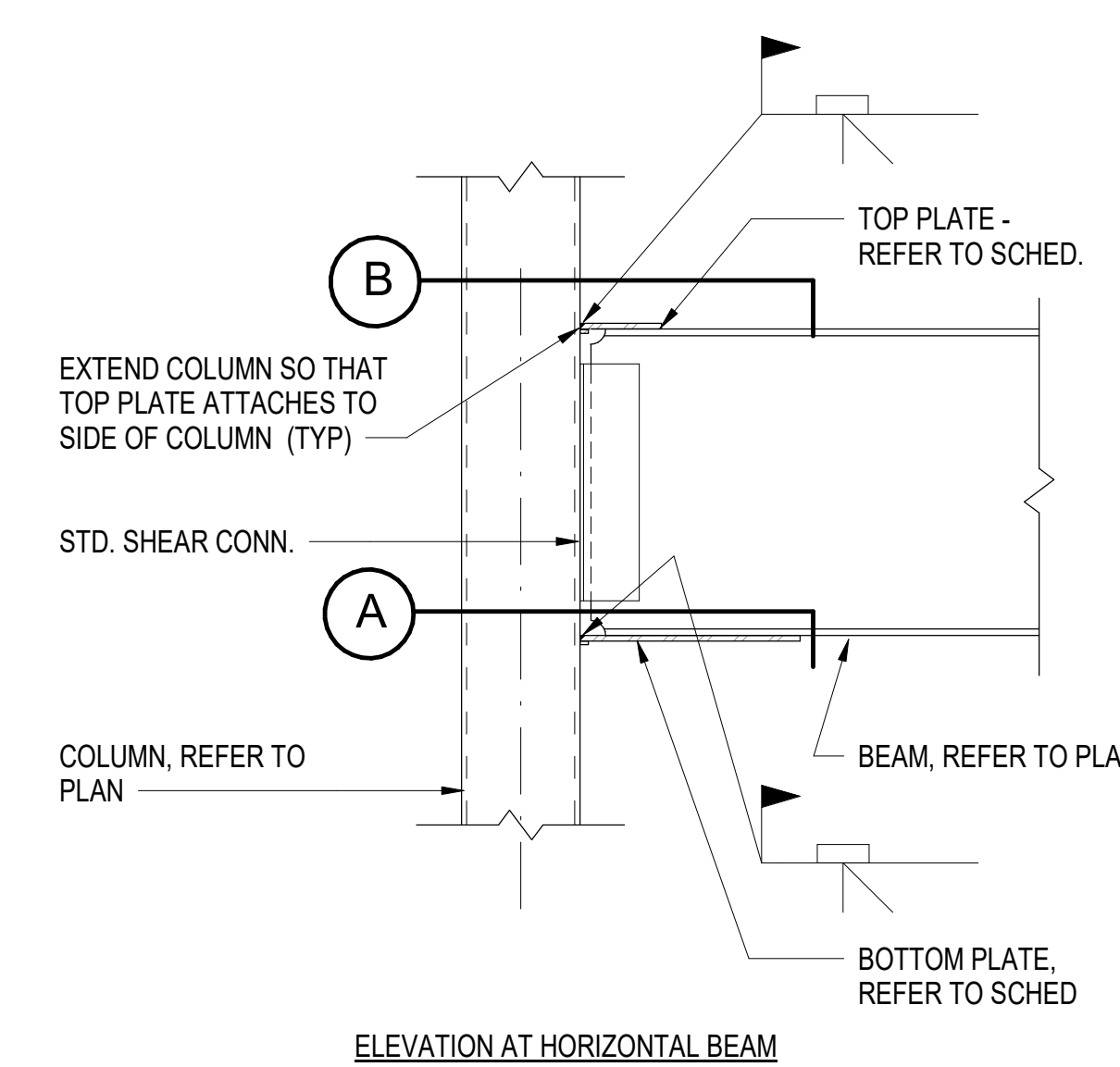
NO	REVISION	DATE

J K F ARCHITECTURE
225 LYNDALE CT, SUITE 6, GREENVILLE, NC 27608 252-355-1048
02/26/20
4-11-2024

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KINSTON, NC

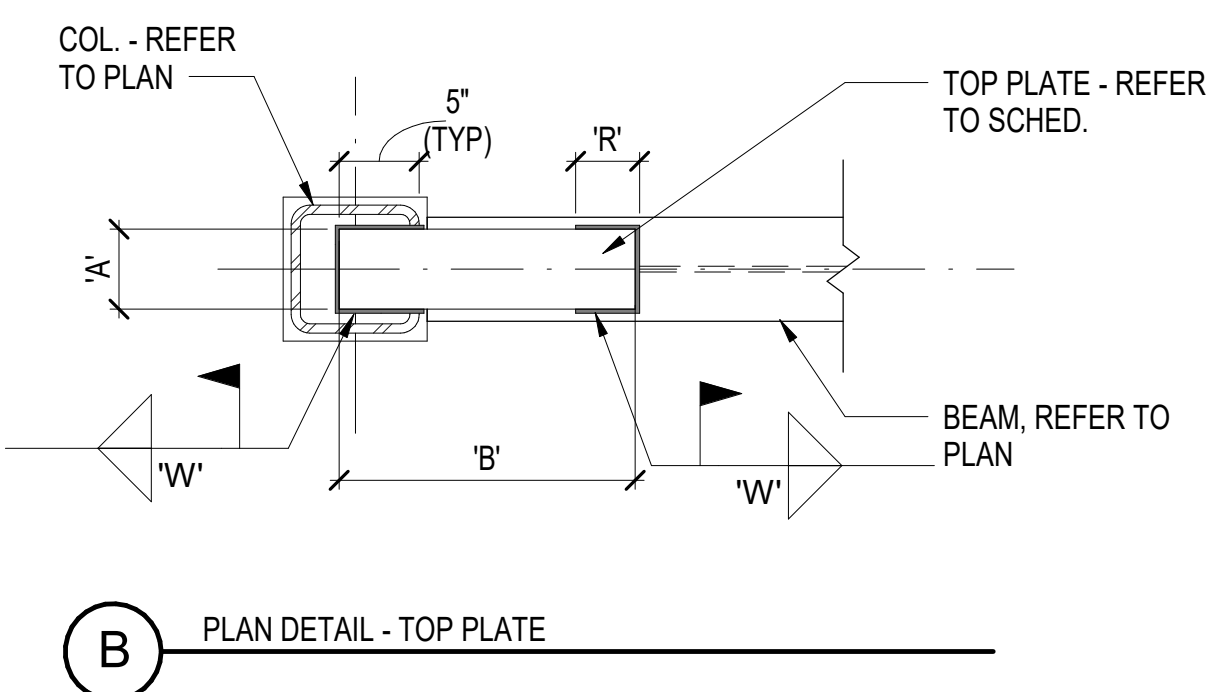
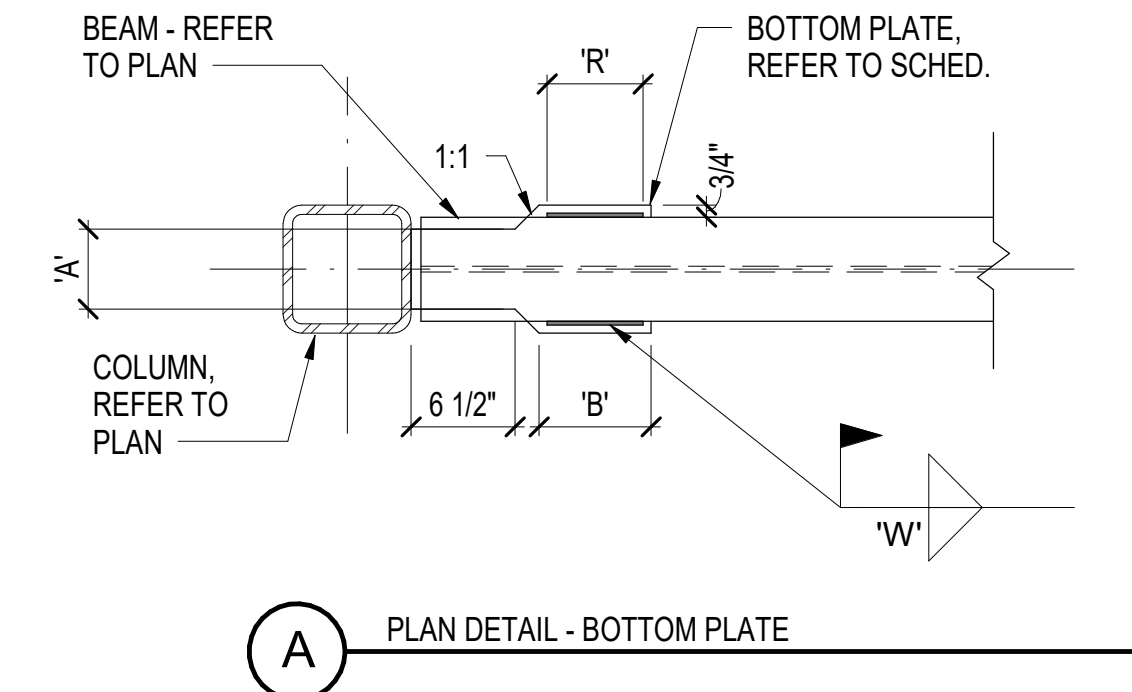
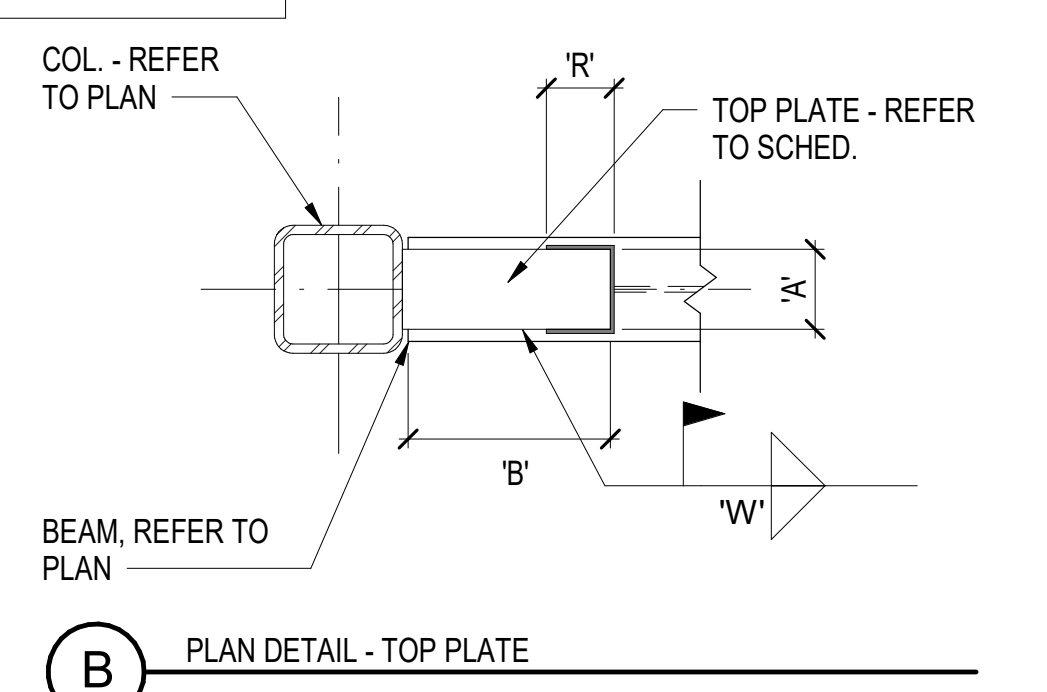
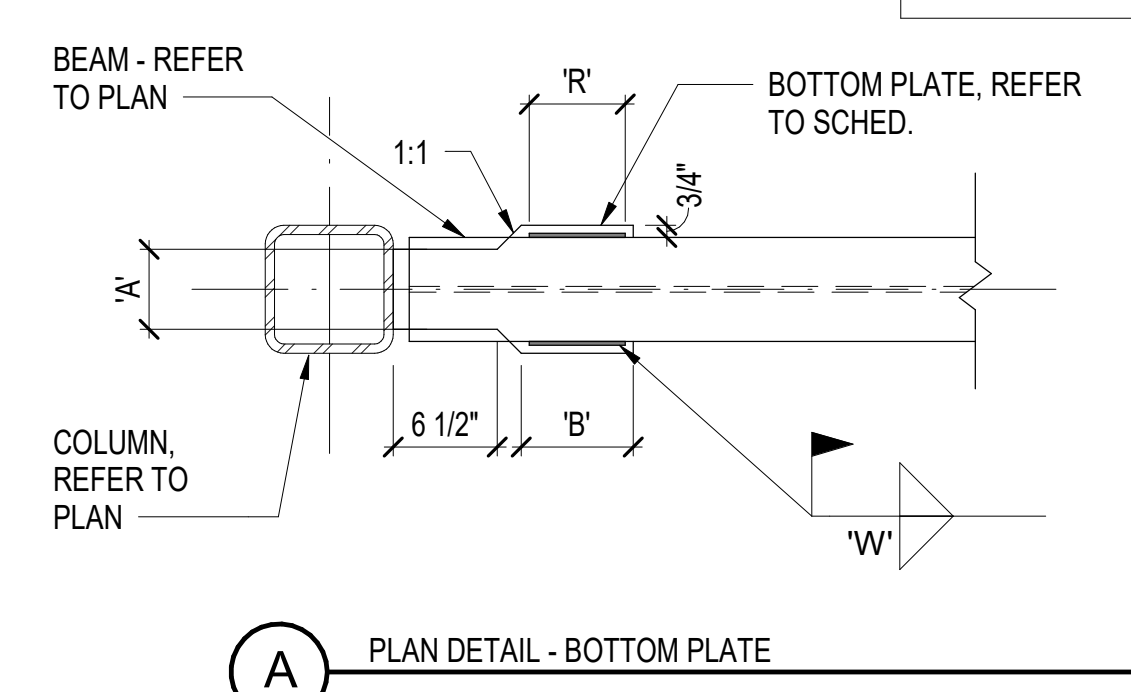
DRAWING TITLE	TYPICAL DETAILS
SCALE	AS INDICATED
DRAWN	JSS
CHECKED	KMR
DATE	2-28-2024
PROJECT NO.	2022-18

S5.3



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

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

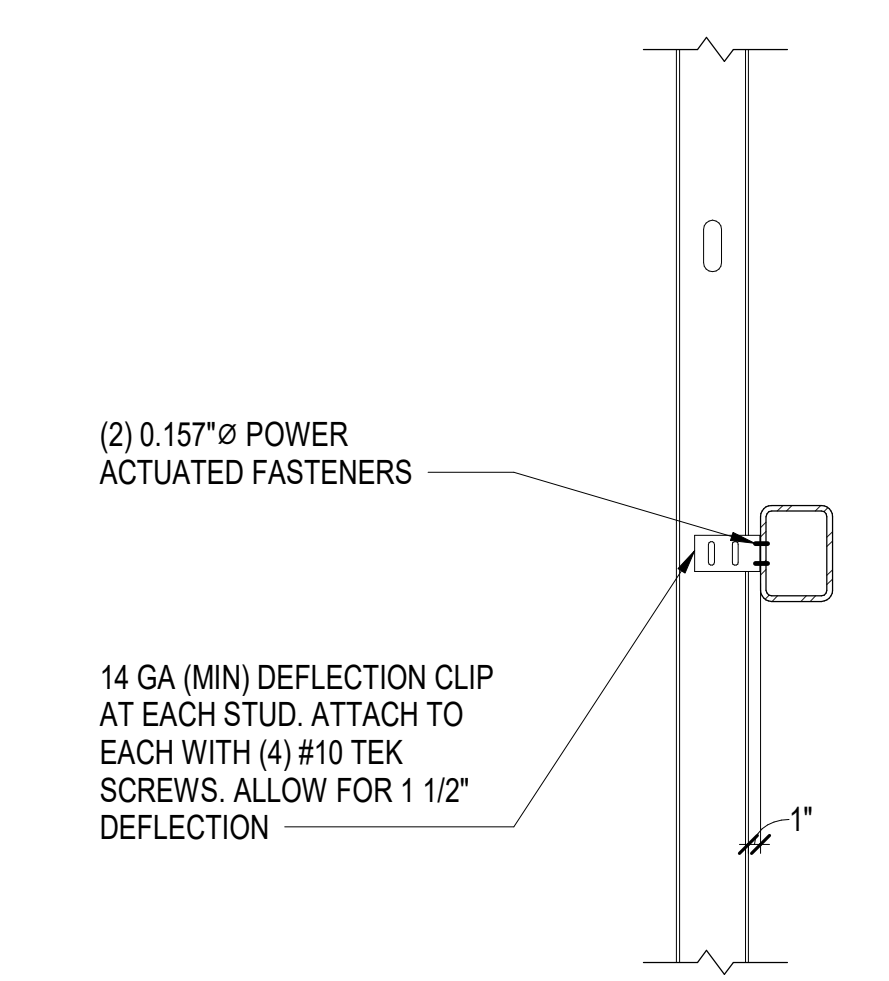


BOTTOM PLATE DIMENSIONS (INCH)					
BEAM	'A'	'B'	THICKNESS	WELDS	
				'R'	'W'
W16X31	4	7	5/16	6	1/4
W21X44	5	7	3/8	6	1/4
W24X55	6	9	1/2	8	5/16
W24x68	7 1/2	9	1/2	8	5/16

TOP PLATE DIMENSIONS (INCH)					
BEAM	'A'	'B'	THICKNESS	WELDS	
				'R'	'W'
W16X31	4	13	5/16	5	1/4
W21X44	5	13	3/8	4	1/4
W24X55	5 1/2	13	1/2	5	5/16
W24x68	7	13	1/2	5	5/16

BOTTOM PLATE DIMENSIONS (INCH)					
BEAM	'A'	'B'	THICKNESS	WELDS	
				'R'	'W'
W16X31	4	7	5/16	6	1/4
W21X44	5	7	3/8	6	1/4
W24X55	6	9	1/2	8	5/16
W24x68	7 1/2	9	1/2	8	5/16

TOP PLATE DIMENSIONS (INCH)					
BEAM	'A'	'B'	THICKNESS	WELDS	
				'R'	'W'
W16X31	4	18	5/16	4	1/4
W21X44	5	18	3/8	4	1/4
W24X55	5 1/2	18	1/2	5	5/16
W24x68	7	18	1/2	5	5/16



TYPICAL 2ND FLOOR FRAMING MOMENT CONNECTION DETAILS

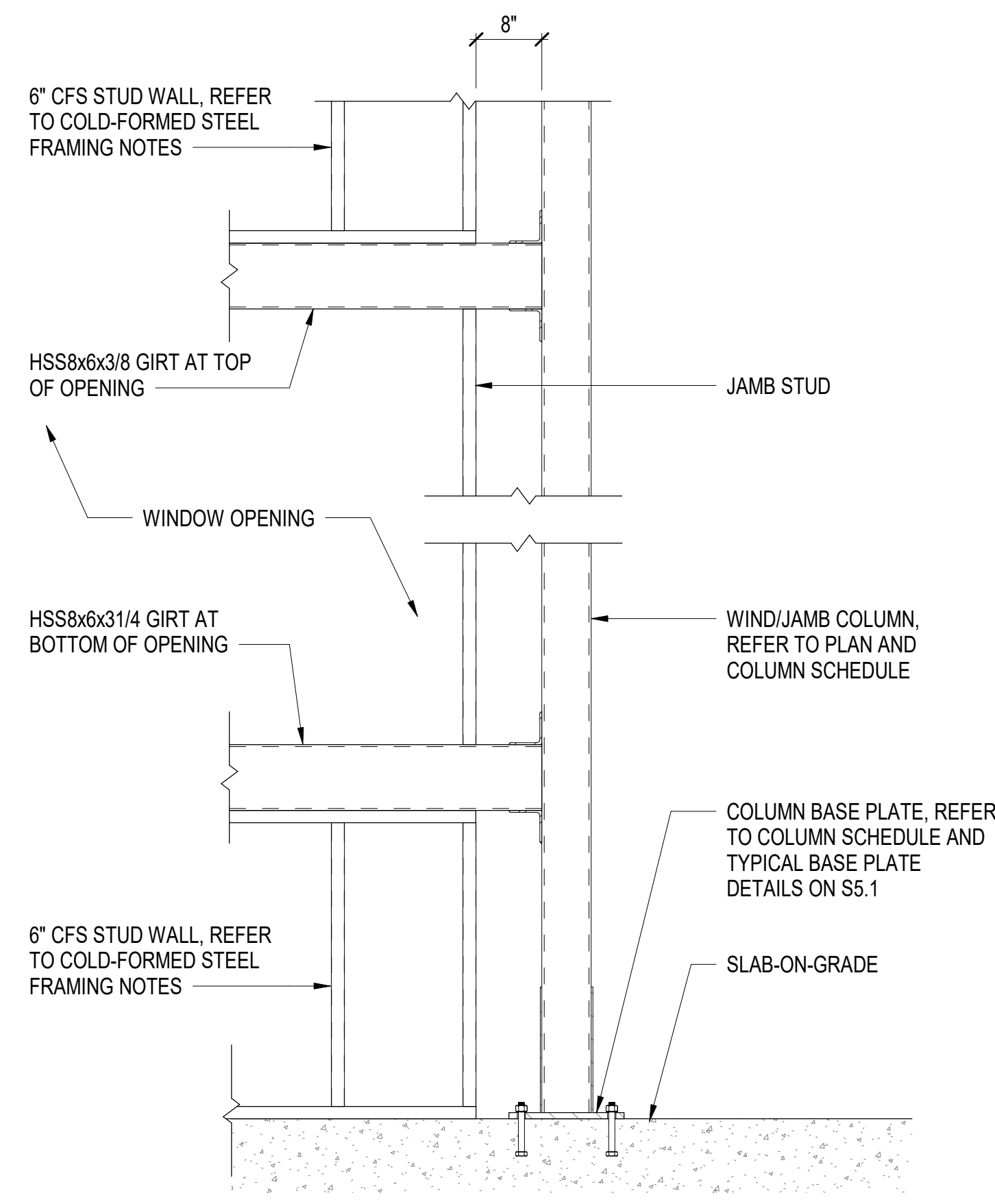
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TYPICAL ROOF FRAMING MOMENT CONNECTION DETAILS

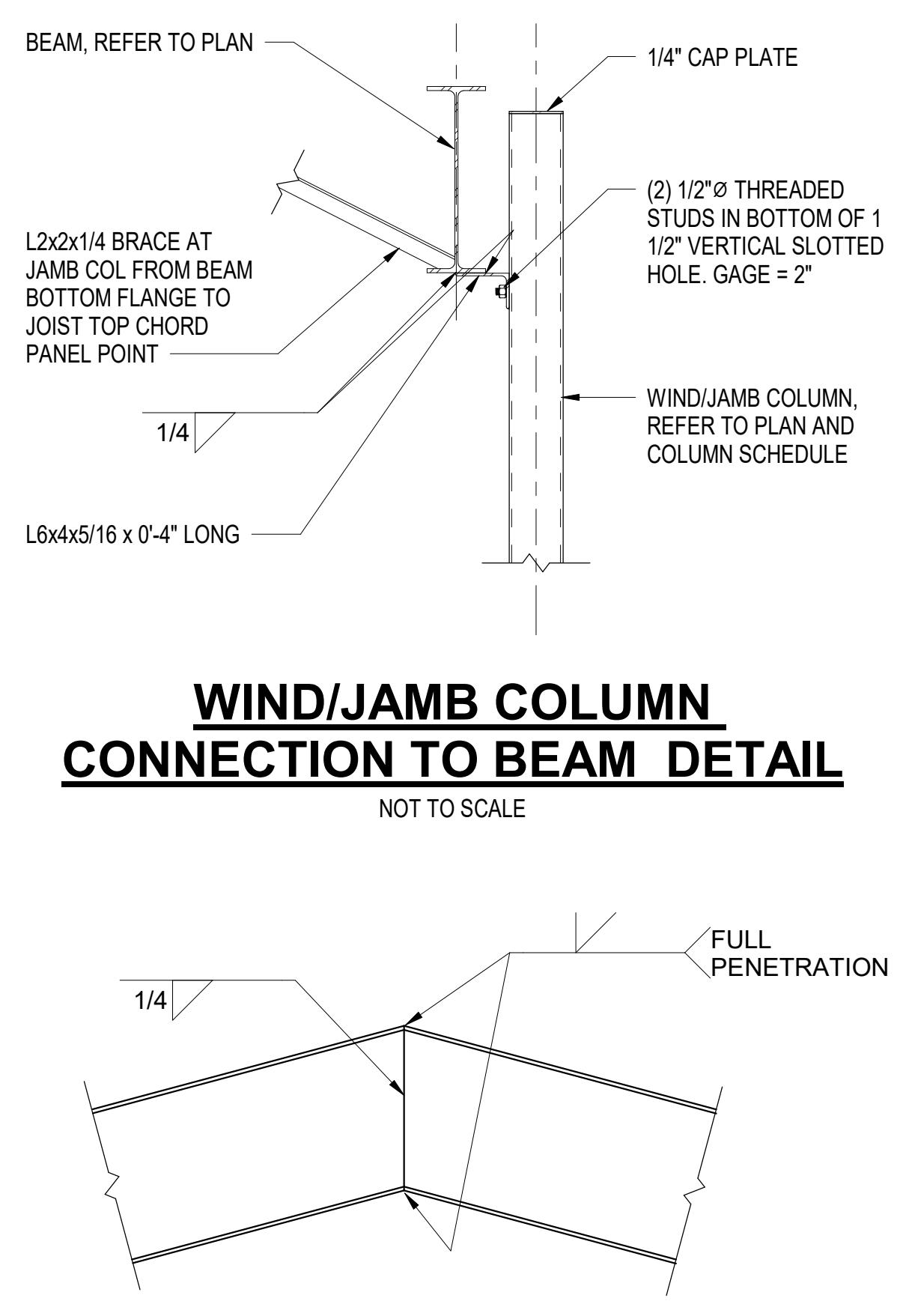
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TYPICAL EXTERIOR LIGHT GAGE STUD BRACING DETAILS

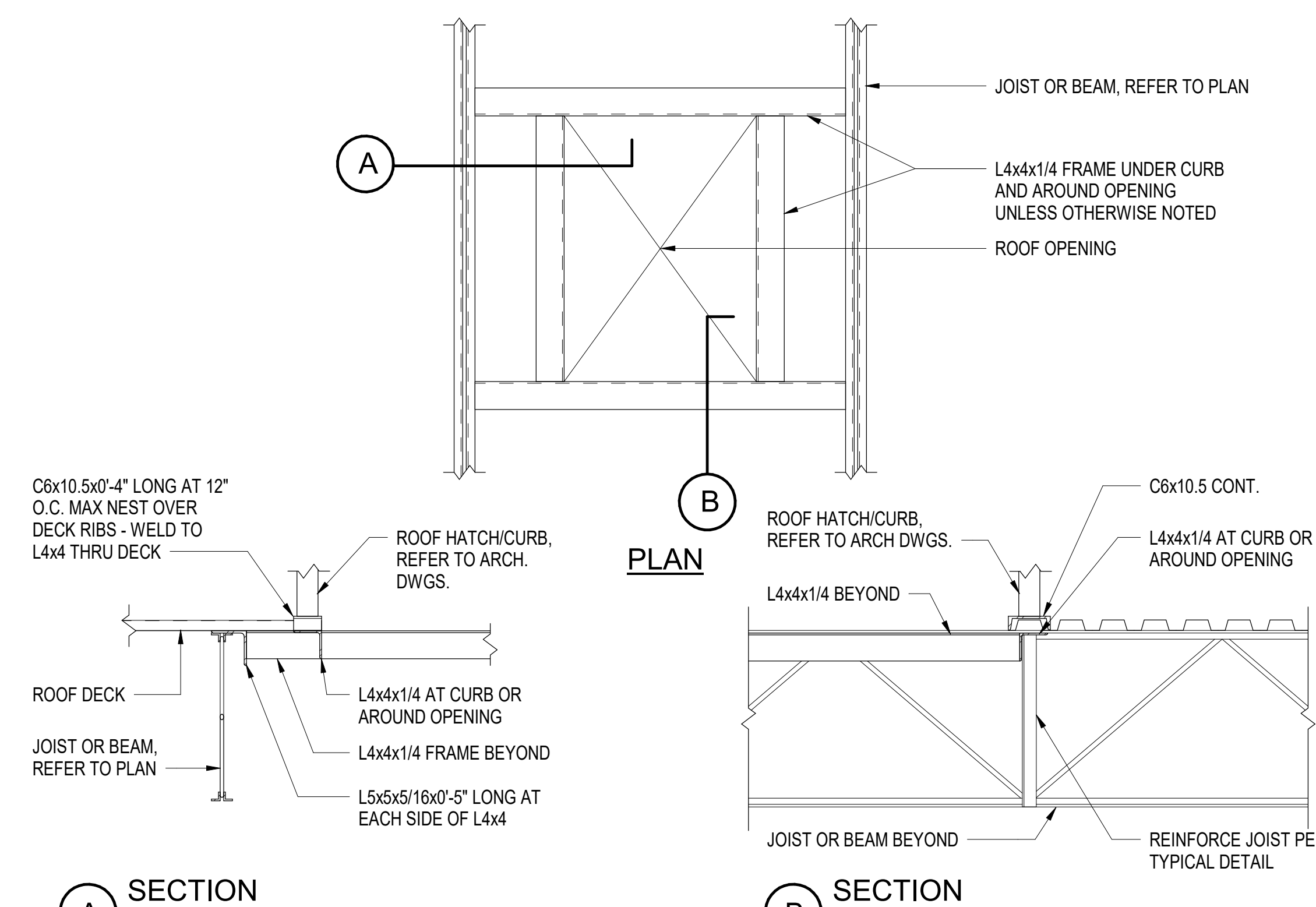
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NOT TO SCALE



NOT TO SCALE



NOT TO SCALE

GENERAL NOTES

KEY PLAN

SCO ID # 22-25364-01A

NO	REVISION	DATE



LENOIR COMMUNITY COLLEGE
 NEW AVIATION CENTER FOR EXCELLENCE
 KINSTON, NC

TYPICAL DETAILS

SCALE	AS INDICATED
DRAWN	JSS
CHECKED	KMR
DATE	2-28-2024
PROJECT NO.	2022-18

S5.4