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# Lenoir County

# EB Frink Middle School

## 405 North Charles Street La Grange NC, 28551

## RENDERING



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Grand total: 151


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Lenoir County Public Schools

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Optima Engineering
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P. (919) 926-2200

SET NUMBER:

02/18/2025

Construction Documents

Lenoir County
EB Frink Middle School
405 North Charles Street La Grange NC, 28551

ENERGY STAR PARTNER

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PROJECT NUMBER: 02303.000

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Construction Documents

# Lenoir County
# EB Frink Middle School
## 405 North Charles Street La Grange NC, 28551

ENERGY STAR PARTNER

| No. | Date | Description |
|---|---|---|
| 1 | 02/18/2025 | BID SET/AGENCY COM |

ISSUE DATE: 02/18/2025

PROJECT #: 02303.000
DRAWN BY: DS
CHECKED BY: MK

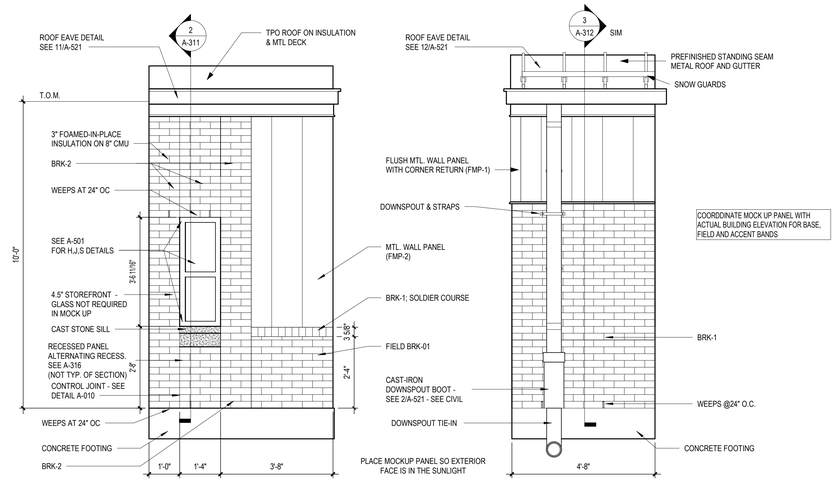
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EXTERIOR VIEWS

G-000.3

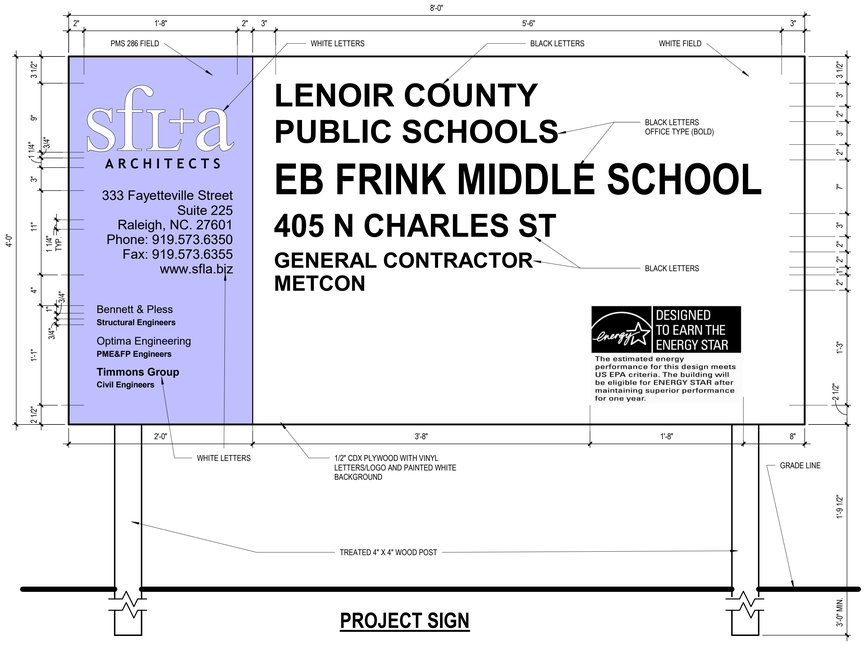
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2 / G-001 **MOCK UP WALL**

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

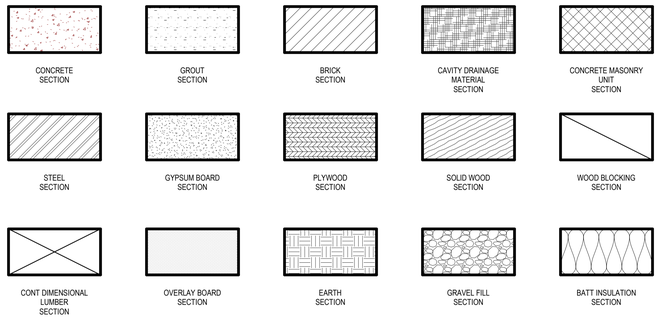



**PROJECT SIGN**

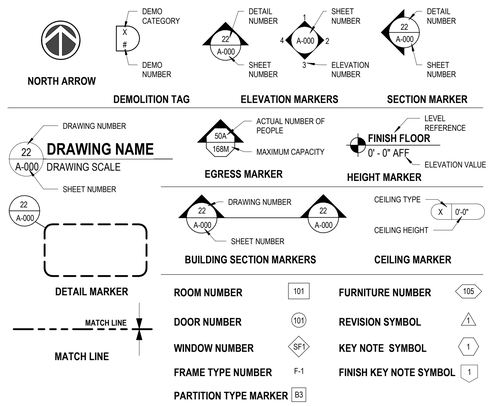
## ABBREVIATIONS

| | |
|---|---|
| A/C | AIR CONDITIONING |
| AB | ANCHOR BOLT |
| AD | AREA DRAIN |
| ADJ | ADJUSTABLE |
| AFF | ABOVE FINISHED FLOOR |
| ALT | ALTERNATE |
| ALUM | ALUMINUM |
| AMP | AMPERE |
| APPROX | APPROXIMATE |
| ARCH | ARCHITECT (URAL) |
| AUTO | AUTOMATIC |
| BB | BULLETIN BOARD |
| BBRG | BEAM BEARING |
| BD | BOARD |
| BFF | BELOW FINISHED FLOOR |
| BIT | BITUMINOUS |
| BLDG | BUILDING |
| BLK | BLOCK (ING) |
| BM | BENCH MARK |
| BOD | BOTTOM OF DECK |
| BTM | BOTTOM |
| BPL | BEARING PLATE |
| BRG | BEARING |
| BSMT | BASEMENT |
| BTW | BETWEEN |
| BUR | BUILT-UP ROOFING |
| BW | BOTH WAYS |
| CB | CATCH BASIN |
| CAB | CABINET |
| CEM | CEMENT |
| CER | CERAMIC |
| CF | CUBIC FOOT |
| CI | CAST IRON |
| CIP | CAST-IN-PLACE |
| CJ | CONTROL JOINT |
| CL | CENTERLINE |
| CLG | CEILING |
| CLOS | CLOSET |
| CLR | CLEAR (ANCE) |
| CMP | COMPOSITE METAL PANEL |
| CMT | CERAMIC MOSAIC (TILE) |
| CMU | CONCRETE MASONRY UNIT |
| COL | COLUMN |
| CONC | CONCRETE |
| CONST | CONSTRUCTION |
| CONTR | CONTRACT (OR) |
| CORR | CORRIDOR |
| CPT | CARPET (ED) |
| CSMT | CASEMENT |
| CT | CERAMIC TILE |
| CTR | CENTER |
| CY | CUBIC YARD |
| DEMO | DEMOLISH, DEMOLITION |
| DET | DETAIL |
| DF | DRINKING FOUNTAIN |
| DH | DOUBLE HUNG |
| DIAM | DIAMETER |
| DIM | DIMENSION |
| DISP | DISPENSER |
| DIV | DIVISION |
| DL | DEAD LOAD |
| DM | DECORATIVE MASONRY |
| DPR | DAMPER |
| DR | DOOR |
| DS | DOWNSPOUT |
| DT | DRAIN TILE |
| DWG | DRAWING |
| E | EAST |
| EA | EACH |
| EC | ELECTRICAL CONTRACTOR |
| EJ | EXPANSION JOINT |
| ELEC | ELECTRIC |
| ELEV | ELEVATION |
| EMER | EMERGENCY |
| ENCL | ENCLOSE (URE) |
| ENG | ENGINEER (ING) |
| EOD | EMERGENCY OVERFLOW DRAIN |
| EP | ELECTRIC PANEL |
| EQ | EQUAL |
| EQP | EQUIPMENT |
| EST | ESTIMATE |
| EWC | ELECTRIC WATER COOLER |
| EXH | EXHAUST |
| EXIST | EXISTING |
| EXP | EXPANSION |
| EXT | EXTERIOR |
| FA | FIRE ALARM |
| FB | FACE BRICK |
| FD | FLOOR DRAIN |
| FDN | FOUNDATION |
| FE | FIRE EXTINGUISHER |
| FEC | FIRE EXTINGUISHER CABINET |
| FFE | FINISH FLOOR ELEVATION |
| FHC | FIRE HOSE CABINET |
| FIN | FINISH (ED) |
| FLR | FLOOR (ING) |
| FLUOR | FLUORESCENT |
| FLEX | FLEXIBLE |
| FOB | FACE OF BRICK |
| FOGB | FACE OF GYPSUM BOARD |
| FP | FIREPROOF |
| FR | FRAME (D) |
| FRMG | FRAMING |
| FRT | FIRE-RETARDANT |
| FT | FOOT / FEET |
| FTG | FOOTING |
| FUR | FURRED (ING) |
| GA | GAGE, GAUGE |
| GALV | GALVANIZED |
| GB | GRAB BAR |
| GBL | GLASS BLOCK |
| GC | GENERAL CONTRACT (OR) |
| GCMU | GLAZED CONC. MASONRY UNIT |
| GF | GROUND FACE |
| GFRC | GLASS FIBER RE. CONC. |
| GL | GLASS, GLAZING |
| GP | GALVANIZED PIPE |
| GYP | GYPSUM |
| GWB | GYPSUM WALL BOARD |
| HB | HOSE BIBB |
| HC | HOLLOW CORE |
| HD | HEAVY DUTY |
| HDR | HEADER |
| HDW | HARDWARE |
| HM | HOLLOW METAL |
| HOR | HORIZONTAL JOINT REINFORCEMENT |
| HJT | |
| HT | HEIGHT |
| HTG | HEATING |
| HWD | HARDWOOD |
| HWH | HOT WATER HEATER |
| HVAC | HEATING / VENTILATING / A/C |
| ID | INSIDE DIAMETER |
| IN | INCH |
| INCL | INCLUDE (D), (ING) |
| INT | INTERIOR |
| INV | INVERT |
| IWB | INTERACTIVE WHITE BOARD |
| JAN | JANITOR |
| JC | JANITOR'S CLOSET |
| JT | JOINT |
| JST | JOIST |
| KD | KNOCK DOWN |
| KIT | KITCHEN |
| KPL | KICK PLATE |
| L | LENGTH |
| LAB | LABORATORY |
| LAD | LADDER |
| LAV | LAVATORY |
| LB | LAG BOLT |
| LBL | LABEL |
| LBS | POUND (S) |
| LH | LEFT HAND |
| LT | LIGHT |
| LW | LIGHTWEIGHT |
| LWC | LIGHTWEIGHT CONCRETE |
| LVL | LAMINATED VENEER LUMBER |
| MAS | MASONRY |
| MAT | MATERIAL (S) |
| MAX | MAXIMUM |
| MB | MARKER BOARD |
| MC | MECHANICAL CONTRACTOR |
| MECH | MECHANICAL |
| MED | MEDIUM |
| MFR | MANUFACTURE (R) |
| MIN | MINIMUM |
| MIR | MIRROR |
| MISC | MISCELLANEOUS |
| MH | MANHOLE |
| MEMB | MEMBRANE |
| MO | MASONRY OPENING |
| MR | MOISTURE RESISTANT |
| MUL | MULLION |
| MTL | METAL |
| N | NORTH |
| NA | NOT APPLICABLE |
| NIC | NOT IN CONTRACT |
| NOM | NOMINAL |
| NRC | NOISE REDUCTION COEFFICIENT |
| NTS | NOT TO SCALE |
| OA | OVERALL |
| OC | ON CENTER |
| OD | OUTSIDE DIAMETER |
| OH | OVERHEAD |
| OPG | OPENING |
| OPP | OPPOSITE |
| OPPH | OPPOSITE HAND |
| OS | OVERFLOW SCUPPER |
| PAR | PARALLEL |
| PBD | PARTICLE BOARD |
| PC | PLUMBING CONTRACTOR |
| PCF | POUNDS PER CUBIC FOOT |
| PCT | PORCELAIN CERAMIC TILE |
| PERF | PERFORATED |
| PERIM | PERIMETER |
| PG | PLATE GLASS |
| PLAM | PLASTIC LAMINATE |
| PLAS | PLASTER |
| PLF | POUNDS PER LINEAL FOOT |
| PT | PRESSURE TREATED |
| PRV | POWER ROOF VENT |
| PSF | POUNDS PER SQUARE FOOT |
| PSI | POUNDS PER SQUARE INCH |
| PTD | PAPER TOWEL DISPENSER |
| PTN | PARTITION |
| PVC | POLYVINYL CHLORIDE |
| PWD | PLYWOOD |
| QT | QUARRY TILE |
| R | RISER |
| RA | RETURN AIR |
| RAD | RADIUS |
| RB | RUBBER BASE |
| RT | RUBBER TILE |
| RCP | REINFORCED CONCRETE PIPE |
| RD | ROOF DRAIN |
| REIN | REINFORCE (D), (ING) |
| REF | REFERENCE |
| REFR | REFRIGERATOR |
| REG | REGISTER |
| REQ | REQUIRED |
| RET | RETURN |
| REV | REVISION (S), REVISED |
| RH | RIGHT HAND |
| RM | ROOM |
| RO | ROUGH OPENING |
| S | SOUTH |
| SAP | SUSPENDED ACOUSTICAL PANELS |
| SB | SPLASH BLOCK |
| SC | SOLID CORE |
| SCH | SCHEDULE |
| SD | STORM DRAIN |
| SEC | SECTION |
| SF | STOREFRONT |
| SIM | SIMILAR |
| SND | SANITARY NAPKIN DISPOSAL |
| SNV | SANITARY NAPKIN VENDOR |
| SP | SOUNDPROOF |
| SPKR | SPEAKER |
| SQ | SQUARE |
| SS | STAINLESS STEEL |
| STC | SOUND TRANSMISSION CLASS |
| STD | STANDARD |
| STR | STRUCTURAL |
| SUS | SUSPENDED |
| SYM | SYMMETRICAL |
| SYS | SYSTEM |
| T | TREAD |
| T&G | TONGUE AND GROOVE |
| TB | TACK BOARD |
| TEL | TELEPHONE |
| TG | TEMPERED GLASS |
| THR | THRESHOLD |
| TP | TOILET PARTITION |
| TOB | TOP OF BEAM |
| TOF | TOP OF FOOTING |
| TOM | TOP OF MASONRY |
| TOS | TOP OF STEEL |
| TOW | TOP OF WALL |
| TS | TACK STRIP |
| TTD | TOILET TISSUE DISPENSER |
| TYP | TYPICAL |
| UL | UNDERWRITER'S LABORATORY |
| UNO | UNLESS NOTED OTHERWISE |
| UR | URINAL |
| US | UTILITY SHELF |
| V | VOLT |
| VCT | VINYL COMPOSITION TILE |
| VERT | VERTICAL |
| VEN | VENEER |
| VIF | VERIFY IN FIELD |
| VR | VAPOR RETARDER |
| VTR | VENT THROUGH ROOF |
| VWC | VINYL WALL COVERING |
| W | WEST |
| WB | WOOD BASE |
| WC | WATER CLOSET |
| WD | WOOD |
| WG | WIRE GLASS |
| WH | WALL HUNG |
| WI | WROUGHT IRON |
| WM | WIRE MESH |
| W/O | WITHOUT |
| WP | WATERPROOFING |
| WT | WEIGHT |
| WWF | WELDED WIRE FABRIC |

## SYMBOLS LEGEND




## KEY SYMBOLS LEGEND




## GENERAL NOTES

1. WALL DIMENSIONS ARE TO FACE OF MASONRY, FACE OF METAL STUD, FACE OF STEEL OR CENTERLINE & STEEL COLUMN, UNLESS OTHERWISE NOTED. DETERMINE LOCATION OF WALLS NOT DIMENSIONED BY THEIR RELATION TO ADJACENT DIMENSIONED WALLS AND COLUMNS.
2. ALL EXTERIOR SIDEWALKS SHALL SLOPE AWAY FROM THE BUILDING AT 1/4" PER FOOT.
3. MAINTAIN INTEGRITY OF ACOUSTIC WALLS AND CEILINGS AT ALL WALL PENETRATIONS AND EQUIPMENT RECESSES.
4. ALL CERAMIC TILE TO HAVE CONTROL JOINTS THAT ALIGN WITH CONTROL JOINTS IN CONCRETE SLAB.
5. THERE SHALL BE NO PENETRATIONS IN THROUGH WALL FLASHING.
6. DOOR JAMB FROM INTERSECTING WALLS: STUD - 6" TYPICAL UNLESS OTHERWISE NOTED.
7. CONTRACT SHALL AVOID THE USE OF DISSIMILAR METALS IN CONTACT WITH ONE ANOTHER AS MUCH AS POSSIBLE AND SHALL PROVIDE FELTS, BOND BREAKERS, TAPE, OR OTHER APPLICABLE MATERIAL SEPARATION WHERE SUCH CONTACT IS UNAVOIDABLE.

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SFL+A ARCHITECTS, PA — CERT. NO. 50676 — NORTH CAROLINA — RALEIGH

MARK J. LUKOSTRUM — NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT — 7010 — 9.12.24 — FAYETTEVILLE, NC

Construction Documents

Lenoir County
EB Frink Middle School
405 North Charles Street La Grange NC, 28551

ENERGY STAR PARTNER

| No. | Date | Description |
|---|---|---|
| 1 | 02/18/2025 | BID SET/AGENCY COM |

ISSUE DATE: 02/18/2025
PROJECT #: 02303.000
DRAWN BY: DS
CHECKED BY: MK

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GENERAL NOTES, ABBREVIATIONS & LEGENDS

G-001

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# 2018 APPENDIX B
# BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

**(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)**
**Revised 6/15/2020**

NAME OF PROJECT: EB FRINK MIDDLE SCHOOL
ADDRESS: 405 N. CHARLES STREET LAGRANGE,NC ZIP CODE: 28551
OWNER/AUTHORIZED AGENT: LENOIR CTY. PUBLIC SCHOOLS, BRENT WILLIAMS PHONE #: 252-286-5829
E-MAIL: BWILLIAMS@LENOIR.K12.NC.US
OWNED BY: [X] CITY/ COUNTY [ ] PRIVATE [ ] STATE
CODE ENFORCEMENT JURISDICTION: [ ] CITY _____ [X] COUNTY LENOIR [ ] STATE

| CONTACT: | FIRM: | NAME: | LICENSE# | TELEPHONE# |
|---|---|---|---|---|
| DESIGNER | SFL+A ARCHITECTS | ERIC LINDSTORM | 7040 | (919) 573-6350 |
| | EMAIL: | ELINDSTORM@SFLA.BIZ | | |
| CIVIL | TIMMONS GROUP | BRANDON MCLAMB | 34374 | (919)316-0126 |
| | EMAIL: | BRANDON.MCLAMB@TIMMONS.COM | | |
| ELECTRICAL | OPTIMA ENGINEERING | MORGAN K. GUNTER | 48210 | (919)926-2200 |
| | EMAIL: | MGUNTER@OPTIMAENGINEERING.COM | | |
| FIRE ALARM | OPTIMA ENGINEERING | MORGAN K. GUNTER | 48210 | (919)926-2200 |
| | EMAIL: | MGUNTER@OPTIMAENGINEERING.COM | | |
| PLUMBING | OPTIMA ENGINEERING | DANIEL REVILLA | 43886 | (919)926-2200 |
| | EMAIL: | DREVILLA@OPTIMAENGINEERING.COM | | |
| MECHANICAL | OPTIMA ENGINEERING | THOMAS A. LANDEN | 40316 | (919)926-2200 |
| | EMAIL: | DLANDEN@OPTIMAENGINEERING.COM | | |
| SPRINKLER-STANDPIPE | OPTIMA ENGINEERING | DANIEL REVILLA | 26023 | (919)926-2200 |
| | EMAIL: | DREVILLA@OPTIMAENGINEERING.COM | | |
| STRUCTURAL | BENNETT & PLESS | TIMOTHY HILTON | 43886 | (919)832-5587 |
| | EMAIL: | THILTON@BENNETT-PLESS.COM | | |
| RETAINING WALLS >5' HIGH | - | - | - | - |
| | EMAIL: | - | | |
| OTHER | - | - | - | - |
| | EMAIL: | - | | |

**2018 NC BUILDING CODE:**
[X] NEW BUILDING [ ] ADDITION [ ] RENOVATION [ ] 1ST TIME INTERIOR COMPLETION [ ] SHELL/CORE
(CONTACT THE LOCAL INSPECTION JURISDICTION FOR POSSIBLE ADDITIONAL PROCEDURES AND REQUIREMENTS)
[ ] PHASED CONSTRUCTION - SHELL/CORE
(CONTACT THE LOCAL INSPECTION JURISDICTION FOR POSSIBLE ADDITIONAL PROCEDURES AND REQUIREMENTS)

**2018 NC EXISTING BUILDING CODE:** EXISTING: [ ] PRESCRIPTIVE [ ] REPAIR [ ] CHAPTER 14
ALTERATION: [ ] LEVEL I [ ] LEVEL II [ ] LEVEL III [ ] HISTORIC PROPERTY [ ] CHANGE OF USE

CONSTRUCTED (DATE): - CURRENT OCCUPANCY(S) (CH. 3): -
RENOVATED (DATE): - PROPOSED OCCUPANCY(S) (CH. 3): -
RISK CATEGORY (TABLE 1604.5) CURRENT: [ ] I [ ] II [ ] III [ ] IV
PROPOSED: [ ] I [ ] II [X] III [ ] IV

## BASIC BUILDING DATA

CONSTRUCTION TYPE: [ ] I-A [ ] II-A [ ] III-A [ ] IV [ ] V-A
(CHECK ALL THAT APPLY) [ ] I-B [X] II-B [ ] III-B [ ] V-B
SPRINKLERS: [ ] NO [ ] PARTIAL [X] YES [X] NFPA 13 [ ] NFPA 13R [ ] NFPA 13D
STAND PIPES: [X] NO [ ] YES CLASS [ ] I [ ] II [ ] III [ ] WET [ ] DRY
FIRE DISTRICT: [X] NO [ ] YES FLOOD HAZARD AREA: [X] NO [ ] YES
SPECIAL INSPECTIONS REQUIRED: [ ] NO [X] YES -
(CONTACT THE LOCAL INSPECTION JURISDICTION FOR POSSIBLE ADDITIONAL PROCEDURES AND REQUIREMENTS)

## GROSS BUILDING AREA TABLE

| FLOOR | BLDG-100,200,600 | BLDG-300 | BLDG-400 | BLDG-500 | SUB-TOTAL |
|---|---|---|---|---|---|
| 4TH FLOOR | - | - | - | - | - |
| 3RD FLOOR | - | - | - | - | - |
| 2ND FLOOR | - | - | - | - | - |
| MEZZANINE | - | - | - | - | - |
| 1ST FLOOR | 48945 | 17414 | 14980 | 14980 | 96319 |
| BASEMENT | - | - | - | - | - |
| TOTAL | 48945 | 17414 | 14980 | 14980 | 96319 |

## ALLOWABLE AREA

**PRIMARY OCCUPANCY CLASSIFICATION(S):**
ASSEMBLY [ ] A-1 [ ] A-2 [ ] A-3 [ ] A-4 [ ] A-5
BUSINESS [ ]
EDUCATIONAL [X]
FACTORY: [ ] F-1 MODERATE [ ] F-2 LOW
HAZARDOUS: [ ] H-1 DETONATE [ ] H-2 DEFLAGRATE [ ] H-3 COMBUST [ ] H-4 HEALTH [ ] H-5 HPM
INSTITUTIONAL: [ ] I-1 CONDITION [ ] 1 [ ] 2 [ ] I-2 CONDITION [ ] 1 [ ] 2
[ ] I-3 CONDITION [ ] 1 [ ] 2 [ ] 3 [ ] 4 [ ] 5 [ ] I-4
MERCANTILE [ ]
RESIDENTIAL: [ ] R-1 [ ] R-2 [ ] R-3 [ ] R-4
STORAGE: [ ] S-1 MODERATE [ ] S-2 LOW [ ] HIGH-PILED
[ ] PARKING GARAGE [ ] OPEN [ ] ENCLOSED [ ] REPAIR GARAGE
UTILITY & MISCELLANEOUS: [ ]

**ACCESSORY OCCUPANCY CLASSIFICATION(S):**
MEDIA CENTER: A-3; CAFETERIA (DINING) : A-2; GYMNASIUM (WITH SPECTATOR SEATING): A-4, ADMINISTRATION: B BUSINESS.
**INCIDENTAL USES** (TABLE 509):
EMERGENCY ELEC ROOM, FIRE PUMP ROOM
**SPECIAL USES** (CHAPTER 4 - LIST CODE SECTIONS):
430.1, 410
**SPECIAL PROVISIONS** (CHAPTER 5 - LIST CODE SECTIONS):
-

## ALLOWABLE AREA
(CONTINUED)

**MIXED OCCUPANCY:** [X] NO [ ] YES SEPARATION: - HR. EXCEPTION: 303.1.3
[ ] NON-SEPARATED USE (508.3)
THE REQUIRED TYPE OF CONSTRUCTION FOR THE BUILDING SHALL BE DETERMINED BY APPLYING THE HEIGHT AND AREA LIMITATIONS FOR EACH OF THE APPLICABLE OCCUPANCIES TO THE ENTIRE BUILDING. THE MOST RESTRICTIVE TYPE OF CONSTRUCTION, SO DETERMINED, SHALL APPLY TO THE ENTIRE BUILDING.
[ ] SEPARATED USE (508.4)
SEE BELOW FOR AREA CALCULATIONS FOR EACH STORY, THE AREA OF THE OCCUPANCY SHALL BE SUCH THAT THE SUM OF THE RATIOS OF THE ACTUAL FLOOR AREA OF EACH USE DIVIDED BY THE ALLOWABLE FLOOR AREA FOR EACH USE SHALL NOT EXCEED 1.

ACTUAL AREA OF OCCUPANCY A / ALLOWABLE AREA OF OCCUPANCY A + ACTUAL AREA OF OCCUPANCY B / ALLOWABLE AREA OF OCCUPANCY B ≤ 1
- / + - + ..... = - ≤ 1.00

| STORY NO. | DESCRIPTION AND USE | (A) BLDG AREA PER STORY (ACTUAL) | (B) TABLE 506.2[4] AREA | (C) AREA FOR FRONTAGE INCREASE[1,5] | (D) ALLOWABLE AREA PER STORY OR UNLIMITED[2,3] |
|---|---|---|---|---|---|
| 100, 200, 600 1ST | Education | 47310 | 58,000 | - | - |
| 300 1st | Education | 16813 | 58,000 | - | - |
| 400 1st | Education | 14350 | 58,000 | - | - |
| 500 1st | Education | 14350 | 58,000 | - | - |
| - | - | - | - | - | - |

1. FRONTAGE AREA INCREASES FROM SECTION 506.3 ARE COMPUTED THUS:
A. PERIMETER WHICH FRONTS A PUBLIC WAY OR OPEN SPACE HAVING 20 FEET MINIMUM WIDTH = - (F)
B. TOTAL BUILDING PERIMETER = - (P)
C. RATIO (F/P) = - (F/P)
D. W = MINIMUM WIDTH OF PUBLIC WAY = - (W)
E. PERCENT OF FRONTAGE INCREASE $I_f$ = 100 [F/P - 0.25] X W/30 = - (%)
2. UNLIMITED AREA APPLICABLE UNDER CONDITIONS OF SECTION 507.
3. MAXIMUM BUILDING AREA = TOTAL NUMBER OF STORIES IN THE BUILDING x D (MAX 3 STORIES) (506.2).
4. THE MAXIMUM AREA OF OPEN PARKING GARAGES MUST COMPLY WITH TABLE 406.5.4.
5. FRONTAGE INCREASE IS BASED ON THE UNSPRINKLERED AREA VALUE IN TABLE 506.2.

## ALLOWABLE HEIGHT

| | ALLOWABLE | SHOWN ON PLANS | CODE REFERENCE[1] |
|---|---|---|---|
| BUILDING HEIGHT IN FEET (TABLE 504.3)[2] | 75' | 33' | - |
| BUILDING HEIGHT IN STORIES (TABLE 504.4)[3] | 3 | 1 | - |

[1] PROVIDE CODE REFERENCE IF THE "SHOWN ON PLANS" QUANTITY IS NOT BASED ON TABLE 504.3 OR 504.4.
[2] THE MAXIMUM HEIGHT OF AIR TRAFFIC CONTROL TOWERS MUST COMPLY WITH TABLE 412.3.1.
[3] THE MAXIMUM HEIGHT OF OPEN PARKING GARAGES MUST COMPLY WITH TABLE 406.5.4.

## FIRE PROTECTION REQUIREMENTS

| BUILDING ELEMENT | FIRE SEPARATION DISTANCE (FEET) | RATING REQ'D | RATING PROVIDED (WITH * REDUCTION) | DETAIL # AND SHEET # | DESIGN # FOR RATED ASSEMBLY | SHEET # FOR RATED PENETRATION | SHEET # FOR RATED JOINTS |
|---|---|---|---|---|---|---|---|
| STRUCTURAL FRAME, INCLUDING COLS, GIRDERS, TRUSSES | 30 | 0 | 0 | - | - | - | - |
| BEARING WALLS | 30 | 0 | 0 | - | - | - | - |
| EXTERIOR | 30 | 0 | 0 | - | - | - | - |
| NORTH | - | - | - | - | - | - | - |
| EAST | - | - | - | - | - | - | - |
| WEST | - | - | - | - | - | - | - |
| SOUTH | - | - | - | - | - | - | - |
| INTERIOR | - | - | - | - | - | - | - |
| NONBEARING WALLS & PARTITIONS EXTERIOR WALLS | - | 0 | 0 | - | - | - | - |
| NORTH | - | - | - | - | - | - | - |
| EAST | - | - | - | - | - | - | - |
| WEST | - | - | - | - | - | - | - |
| SOUTH | - | - | - | - | - | - | - |
| INTERIOR WALLS | | - | - | - | - | - | - |
| FLOOR CONSTRUCTION INCLUDING SUPPORT BEAMS & JOISTS | | 0 | 0 | - | - | - | - |
| FLOOR CEILING ASSEMBLY | | 0 | 0 | - | - | - | - |
| COLUMNS SUPPORTING FLOORS | | 0 | 0 | - | - | - | - |
| ROOF CONSTRUCTION INCLUDING SUPPORT BEAMS & JOISTS | | 0 | 0 | - | - | - | - |
| ROOF CEILING ASSEMBLY | | 0 | 0 | - | - | - | - |
| COLUMNS SUPPORTING ROOF | | 0 | 0 | - | - | - | - |
| SHAFT ENCLOSURES - EXIT | | 0 | 0 | - | - | - | - |
| SHAFT ENCLOSURES - OTHER | | 1 | 1 | 2-G-003 | UL U905 | - | - |
| CORRIDOR SEPARATION | | 0 | 0 | - | - | - | - |
| OCCUPANCY/ FIRE BARRIER SEP. | | - | - | - | - | - | - |
| PARTY/FIRE WALL SEPARATION | | 2 | 2-706.4 | 2/G-003 | UL U905 | - | - |
| SMOKE BARRIER SEPARATION | | - | - | - | - | - | - |
| SMOKE PARTITION | | - | - | - | - | - | - |
| TENANT/DWELLING UNIT/ SLEEPING UNIT SEPARATION | | - | - | - | - | - | - |
| INCIDENTAL USE SEPARATION | | 2 | 2 | 1-2/G-003 | U905/U419 | - | - |

* INDICATE SECTION NUMBER PERMITTING REDUCTION

## PERCENTAGE OF WALL OPENING CALCULATIONS

| FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES | DEGREE OF OPENINGS PROTECTION (TABLE 705.8) | ALLOWABLE AREA (%) | ACTUAL SHOWN ON PLANS (%) |
|---|---|---|---|
| 30'-0" MIN. | NL | NL | - |
| FIREWALL | NP | 0 | 0 |
| - | - | - | - |

## LIFE SAFETY SYSTEM REQUIREMENTS:

EMERGENCY LIGHTING: [ ] NO [X] YES
EXIT SIGNS: [ ] NO [X] YES
FIRE ALARM: [ ] NO [X] YES EMERGENCY VOICE/ ALARM SYSTEM REQ.
SMOKE DETECTION SYSTEMS: [ ] NO [X] YES [ ] PARTIAL
CARBON MONOXIDE DETECTION: [ ] NO [X] YES

## LIFE SAFETY PLAN REQUIREMENTS:

LIFE SAFETY PLAN SHEET #: G-111
[X] FIRE AND/OR SMOKE RATED WALL LOCATIONS (CHAPTER 7)
[X] ASSUMED AND REAL PROPERTY LINE LOCATIONS (IF NOT ON SITE PLAN)
[ ] EXTERIOR WALL OPENING AREA WITH RESPECT TO DISTANCE TO ASSUMED PROPERTY LINES (705.8)
[X] OCCUPANCY USE FOR EACH AREA AS IT RELATES TO OCCUPANT LOAD CALCULATION (TABLE 1004.1.2)
[X] OCCUPANT LOADS FOR EACH AREA
[X] EXIT SIGN LOCATIONS (1013)
[X] EXIT ACCESS TRAVEL DISTANCES (1017)
[X] COMMON PATH OF TRAVEL DISTANCES (1006.2.1 & 1006.3.2(1) )
[X] DEAD END LENGTHS (1020.4)
[X] CLEAR EXIT WIDTHS FOR EACH EXIT DOOR
[X] MAXIMUM CALCULATED OCCUPANT LOAD CAPACITY EACH EXIT DOOR CAN ACCOMMODATE BASED ON EGRESS WIDTH (1005.3)
[X] ACTUAL OCCUPANT LOAD FOR EACH EXIT DOOR
[ ] A SEPARATE SCHEMATIC PLAN INDICATING WHERE FIRE RATED FLOOR/CEILING AND/OR ROOF STRUCTURE IS PROVIDED FOR PURPOSES OF OCCUPANCY SEPARATION
[X] LOCATION OF DOORS WITH PANIC HARDWARE (1010.1.10)
[ ] LOCATION OF DOORS WITH DELAYED EGRESS LOCKS AND THE AMOUNT OF DELAY (1010.1.9.7)
[ ] LOCATION OF DOORS WITH ELECTROMAGNETIC EGRESS LOCKS (1010.1.9.9)
[X] LOCATION OF DOORS EQUIPPED WITH HOLD-OPEN DEVICES
[ ] LOCATION OF EMERGENCY ESCAPE WINDOWS (1030)
[ ] THE SQUARE FOOTAGE OF EACH FIRE AREA (202)
[ ] THE SQUARE FOOTAGE OF EACH SMOKE COMPARTMENT FOR OCCUPANCY CLASSIFICATION I-2 (407.5)
[ ] NOTE ANY CODE EXCEPTIONS OR TABLE NOTES THAT MAY HAVE BEEN UTILIZED REGARDING THE ITEMS ABOVE

## ACCESSIBLE DWELLING UNITS
(SECTION 1107)

| UNIT CLASSIFICATION | TOTAL UNITS | ACCESSIBLE UNITS REQUIRED | ACCESSIBLE UNITS PROVIDED | TYPE A UNITS REQUIRED | TYPE A UNITS PROVIDED | TYPE B UNITS REQUIRED | TYPE B UNITS PROVIDED | TOTAL ACCESSIBLE UNITS PROVIDED |
|---|---|---|---|---|---|---|---|---|
| - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - |

## ACCESSIBLE PARKING
(SECTION 1106) SEE CIVIL DRAWINGS

| LOT OR PARKING AREA | TOTAL # OF PARKING SPACES | | # OF ACCESSIBLE SPACES PROVIDED | | TOTAL # OF ACCESSIBLE PROVIDED |
|---|---|---|---|---|---|
| | REQUIRED | PROVIDED | 96" SPACES | 132" SPACES | |
| Staff/Visitor | - | 121 | - | - | 6 |
| Bus Parking | - | 8 | - | - | - |
| - | - | - | - | - | - |
| - | - | - | - | - | - |
| TOTAL | - | - | - | - | - |

## PLUMBING FIXTURE REQUIREMENTS
(TABLE 2902.1)

| | USE | WATERCLOSETS MALE | WATERCLOSETS FEMALE | WATERCLOSETS UNISEX | URINALS | LAVATORIES MALE | LAVATORIES FEMALE | LAVATORIES UNISEX | SHWRS/ TUBS | DRINKING FOUNTAINS REGULAR | DRINKING FOUNTAINS ACCESS. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SPACE | EXISTING | - | - | - | - | - | - | - | - | - | - |
| | NEW | 23 | 38 | - | 15 | 21 | 21 | - | - | 13 | 5 |
| | REQ'D | 30 | 32 | - | - | 14 | 14 | - | - | 17 | - |

## SPECIAL APPROVALS:

SPECIAL APPROVAL: (LOCAL JURISDICTION, DEPARTMENT OF INSURANCE, OSC, DPI, DHHS, ETC., DESCRIBE BELOW)
NC DOI , NC DPI , LENOIR COUNTY HEALTH DEPARTMENT AND NC DOT

## ENERGY SUMMARY

**ENERGY REQUIREMENTS**
THE FOLLOWING DATA SHALL BE CONSIDERED MINIMUM AND ANY SPECIAL ATTRIBUTE REQUIRED TO MEET THE ENERGY CODE SHALL ALSO BE PROVIDED. EACH DESIGNER SHALL FURNISH THE REQUIRED PORTIONS OF THE PROJECT INFORMATION FOR THE PLAN DATA SHEET. IF PERFORMANCE METHOD, STATE THE ANNUAL ENERGY COST FOR THE STANDARD REFERENCE DESIGN VS ANNUAL ENERGY COST FOR THE PROPOSED DESIGN.

EXISTING BUILDING ENVELOPE COMPLIES WITH CODE: [ ] NO [ ] YES (REMAINDER OF SECTION IS NOT APPLICABLE)
EXEMPT BUILDING: [ ] YES [ ] NO PROVIDE CODE OR STATUTORY REFERENCE: -
CLIMATE ZONE: [X] 3A [ ] 4A [ ] 5A
METHOD OF COMPLIANCE: ENERGY CODE: [ ] PERFORMANCE [X] PRESCRIPTIVE
ASHRAE 90.1: [ ] PERFORMANCE [ ] PRESCRIPTIVE
(IF "OTHER" SPECIFY SOURCE HERE) -

**THERMAL ENVELOPE** (PRESCRIPTIVE METHOD ONLY)

**ROOF/CEILING ASSEMBLY: (EACH ASSEMBLY)**
DESCRIPTION OF ASSEMBLY: Standing seam metal roof over/TPO 5.2" rigid insulation over 1-1/2" metal decking
U-VALUE OF TOTAL ASSEMBLY: .032
R-VALUE OF INSULATION: R-30
SKYLIGHTS IN EACH ASSEMBLY: N/A
U-VALUE OF SKYLIGHT: N/A
TOTAL SQ. FT. OF SKYLIGHTS: N/A

**ROOF/CEILING ASSEMBLY: (EACH ASSEMBLY)**
DESCRIPTION OF ASSEMBLY: Adhered TPO membrane over 5.2" rigid insulation over 2" topping slab on 8" hollow core slab
U-VALUE OF TOTAL ASSEMBLY: .031
R-VALUE OF INSULATION: R-30
SKYLIGHTS IN EACH ASSEMBLY: N/A
U-VALUE OF SKYLIGHT: N/A
TOTAL SQ. FT. OF SKYLIGHTS: N/A

**EXTERIOR WALLS (EACH ASSEMBLY)**
DESCRIPTION OF ASSEMBLY: 4" masonry veneer w/ 1-3/8" air space over 3" foamed-in-place closed cell insulation over 8" or 12" CMU
U-VALUE OF TOTAL ASSEMBLY: .043
R-VALUE OF INSULATION: R-20
OPENINGS (WINDOWS OR DOORS W/ GLAZING): Insulated glass in aluminum frames
U-VALUE OF ASSEMBLY: Guardian Sunguard SN 54
SOLAR HEAT GAIN COEFFICIENT: 0.28
PROJECTION FACTOR: .088
DOOR R-VALUES: R-7

**WALLS BELOW GRADE: (EACH ASSEMBLY)**
DESCRIPTION OF ASSEMBLY: 4" solid grouted masonry w/ 1-3/8" air space over 3" SPF insulation over 8" or 12" solid grouted CMU
U-VALUE OF TOTAL ASSEMBLY: 0.033
R-VALUE OF INSULATION: R-28

**FLOORS OVER UNCONDITIONED SPACE (EACH ASSEMBLY)**
DESCRIPTION OF ASSEMBLY: -
U-VALUE OF TOTAL ASSEMBLY: N/A
R-VALUE OF INSULATION: N/A

**FLOORS SLAB ON GRADE**
DESCRIPTION OF ASSEMBLY: 4" concrete w/ WWF over 15 mil vapor barrier over 4" granular fill on compacted fill
U-VALUE OF TOTAL ASSEMBLY: 0.4
R-VALUE OF INSULATION: R-28 SPF insulation
HORIZ./VERT. REQUIREMENT: 2'-0"/2'-0"
SLAB HEATED: N/A

## STRUCTURAL DESIGN: SEE STRUCTURAL DRAWINGS
(PROVIDE ON STRUCTURAL SHEETS IF APPLICABLE)

**DESIGN LOADS:** -
IMPORTANCE FACTORS:
SNOW ($I_S$) -
SEISMIC ($I_E$) -
LIVE LOADS:
ROOF - PSF
MEZZANINE - PSF
FLOOR - PSF
GROUND SNOW LOAD: - PSF
WIND LOAD: ULTIMATE WIND SPEED - MPH (ASCE-7)
EXPOSURE CATEGORY -

**SEISMIC DESIGN CATEGORY** [ ] A [■] B [ ] C [ ] D
PROVIDE THE FOLLOWING SEISMIC DESIGN PARAMETERS:
RISK CATEGORY (TABLE 1604.5) [ ] I [ ] II [ ] III [ ] IV
SPECTRAL RESPONSE ACCELERATION $S_S$ - %g $S_1$ - %g
SITE CLASSIFICATION (ASCE 7) [ ] A [ ] B [ ] C [ ] D [ ] E [ ] F
DATA SOURCE: [ ] FIELD TEST [ ] PRESUMPTIVE [ ] HISTORICAL DATA
BASIC STRUCTURAL SYSTEM (CHECK ONE)
[ ] BEARING WALL [ ] DUAL W/ SPECIAL MOMENT FRAME
[ ] BUILDING FRAME [ ] DUAL W/ INTERMEDIATE R/C OR SPECIAL STEEL
[ ] MOMENT FRAME [ ] INVERTED PENDULUM
ANALYSIS PROCEDURE: [ ] SIMPLIFIED [ ] EQUIVALENT LATERAL FORCE [ ] DYNAMIC
ARCHITECTURAL, MECHANICAL, COMPONENTS ANCHORED? [ ] YES [ ] NO

**LATERAL DESIGN CONTROL:** EARTHQUAKE [ ] WIND [ ]

**SOIL BEARING CAPACITIES:**
FIELD TEST (PROVIDE COPY OF TEST REPORT) - PSF
PRESUMPTIVE BEARING CAPACITY - PSF
PILE SIZE, TYPE, AND CAPACITY -

## MECHANICAL DESIGN SEE MECHANICAL DRAWINGS
(PROVIDE ON THE MECHANICAL SHEETS IF APPLICABLE)

**MECHANICAL SUMMARY**
-

**MECHANICAL SYSTEMS, SERVICE SYSTEMS, AND EQUIPMENT:**
**THERMAL ZONE:**
WINTER DRY BULB - ° F
SUMMER DRY BULB - ° F
**INTERIOR DESIGN CONDITIONS:**
WINTER DRY BULB - ° F
SUMMER DRY BULB - ° F
RELATIVE HUMIDITY - %
**BUILDING HEATING LOAD:** - BTUH
**BUILDING COOLING LOAD:** - BTUH
**MECHANICAL SPACE CONDITIONING SYSTEM:**
UNITARY:
DESCRIPTION OF UNIT: -
HEATING EFFICIENCY: -
COOLING EFFICIENCY: -
SIZE CATEGORY OF UNIT: -
BOILER
SIZE CATEGORY, IF OVERSIZED STATE REASON. -
CHILLER
SIZE CATEGORY, IF OVERSIZED STATE REASON. -
**LIST EQUIPMENT EFFICIENCIES:**
-

## ELECTRICAL DESIGN SEE ELECTRICAL DRAWINGS
(PROVIDE ON THE ELECTRICAL SHEETS IF APPLICABLE)

**ELECTRICAL SUMMARY**

**ELECTRICAL SYSTEM AND EQUIPMENT:**
METHOD OF COMPLIANCE: ENERGY CODE: [ ] PRESCRIPTIVE [ ] PERFORMANCE
METHOD OF COMPLIANCE: ASHRAE 90.1: [ ] PRESCRIPTIVE [ ] PERFORMANCE

LIGHTING SCHEDULE (EACH FIXTURE TYPE):
LAMP TYPE REQUIRED IN FIXTURE: -
NUMBER OF LAMPS IN FIXTURE: -
BALLAST TYPE USED IN THE FIXTURE: -
NUMBER OF BALLASTS IN FIXTURE: -
TOTAL WATTAGE PER FIXTURE: -
TOTAL INTERIOR WATTAGE SPECIFIED VS. ALLOWED (WHOLE BUILDING OR SPACE BY SPACE): -
TOTAL EXTERIOR WATTAGE SPECIFIED VS. ALLOWED: -
ADDITIONAL EFFICIENCY PACKAGE OPTIONS
(WHEN USING THE 2018 NCECC; NOT REQUIRED FOR ASHRAE 90.1)
[ ] C406.2 MORE EFFICIENT HVAC EQUIPMENT PERFORMANCE
[ ] C406.3 REDUCED LIGHTING POWER DENSITY
[ ] C406.4 ENHANCED DIGITAL LIGHTING CONTROLS
[ ] C406.5 ON-SITE RENEWABLE ENERGY
[ ] C406.6 DEDICATED OUTDOOR AIR SYSTEM
[ ] C406.7 REDUCED ENERGY USE SERVICE WATER HEATING

1 G-002 **2018 APPENDIX B / BUILDING CODE SUMMARY (FOR ALL COMMERCIAL PROJECTS)**
SCALE: 12" = 1'-0"

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CERT. NO. 50676
RENEWAL DATE: 12/31/2025
RALEIGH, NORTH CAROLINA
ERIC J. LINDSTROM
SEAL 7040
REGISTERED PROFESSIONAL ENGINEER
NORTH CAROLINA
FAYETTEVILLE, NC
9.12.24

Construction Documents

Lenoir County
EB Frink Middle School
405 North Charles Street La Grange NC, 28551

ENERGY STAR PARTNER

| No. | Date | Description |
|---|---|---|
| 1 | 02/18/2025 | BID SET/AGENCY COM |

ISSUE DATE: 02/18/2025
PROJECT #: 02303.000
DRAWN BY: DS
CHECKED BY: MK

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BUILDING CODE SUMMARY

G-002

Autodesk Docs://02303.000 Frink MS Lenoir Cty/02303.000_Frink MS Lenoir Cty_Arch_R24.rvt
2/17/2025 10:28:01 AM

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Fire Resistance Ratings - ANSI/UL 263

See General Information for Fire Resistance Ratings - ANSI/UL 263

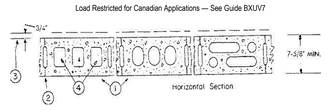
**Design No. U905**

September 30, 2010

Bearing Wall Rating — 2 HR.

Nonbearing Wall Rating — 2 HR

Load Restricted for Canadian Applications — See Guide BXUV7




1. Concrete Blocks* — Various designs. Classification D-2 (2 hr). See Concrete Blocks category for list of eligible manufacturers.

2. Mortar — Blocks laid in full bed of mortar, nom. 3/8 in. thick, of not less than 2-1/4 and not more than 3-1/2 parts of clean sharp sand to 1 part Portland cement (proportioned by volume) and not more than 50 percent hydrated lime (by cement volume). Vertical joints staggered.

3. Portland Cement Stucco or Gypsum Plaster — Add 1/2 hr to classification if used. Where combustible members are framed in wall, plaster or stucco must be applied on the face opposite framing to achieve a max. Classification of 1-1/2 hr. Attached to concrete blocks (Item 1).

4. Loose Masonry Fill — If all core spaces are filled with loose dry expanded slag, expanded clay or shale (Rotary Kiln Process), water repellant vermiculite masonry fill insulation, or silicone treated perlite loose fill insulation add 2 hr to classification.

5. Foamed Plastic* — (Optional-Not Shown) — 1-1/2 in. thick max, 4 ft wide sheathing attached to concrete blocks (Item 1).
THE DOW CHEMICAL CO — Type Thermax Sheathing, Thermax Light Duty Insulation, Thermax Heavy Duty Insulation, Thermax Metal Building Board, Thermax White Finish Insulation, Thermax ci Exterior Insulation, Thermax IH Insulation, Thermax Plus Liner Panel and Thermax Heavy Duty Plus (HDP)

*Bearing the UL Classification Mark

Last Updated on 2010-09-30

2 G-003 **UL DESIGN NO U905**
**NOT TO SCALE**

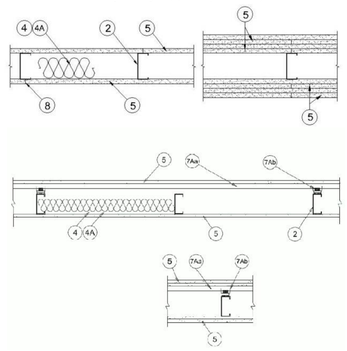
Fire-resistance Ratings - ANSI/UL 263

See General Information for Fire-resistance Ratings - ANSI/UL 263

**Design No. U419**

May 14, 2014

Nonbearing Wall Ratings — 1, 2, 3 or 4 Hr (See Items 4 & 5)




1. **Floor and Ceiling Runners —** (Not shown) — For use with Item 2 - Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min depth to accommodate stud size, with min 1-1/4 in. long legs, attached to floor and ceiling with fasteners 24 in. OC max.

1A. **Framing Members* - Floor and Ceiling Runner —** Not shown - In lieu of Item 1 — For use with Item 2B, proprietary channel shaped runners, 3-5/8 in. deep attached to floor and ceiling with fasteners 24 in. OC max.
**CALIFORNIA EXPANDED METAL PRODUCTS CO** — Viper25™ Track
**CRACO MFG INC** — SmartTrack25™
**MARINO/WARE, DIV OF WARE INDUSTRIES INC** — Viper25™ Track
**PHILLIPS MFG CO L L C** — Viper25™ Track

1B. **Framing Members* - Floor and Ceiling Runner —** Not shown - In lieu of Item 1 — For use with Item 2C, proprietary channel shaped runners, 1-1/4 in. wide by 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
**CALIFORNIA EXPANDED METAL PRODUCTS CO** — Viper20™ Track
**MARINO/WARE, DIV OF WARE INDUSTRIES INC** — Viper20™ Track
**PHILLIPS MFG CO L L C** — Viper20™ Track

1C. **Framing Members*— Floor and Ceiling Runners —** (Not shown) — In lieu of Item 1 - Channel shaped, attached to floor and ceiling with fasteners 24 in. OC. max.
**ALLSTEEL & GYPSUM PRODUCTS INC** — Type SUPREME Framing System
**CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV** — Type SUPREME Framing System
**QUAIL RUN BUILDING MATERIALS INC** — Type SUPREME Framing System
**SCAFCO STEEL STUD MANUFACTURING CO** — Type SUPREME Framing System
**STEEL CONSTRUCTION SYSTEMS INC** — Type SUPREME Framing System
**UNITED METAL PRODUCTS INC** — Type SUPREME Framing System

1D. **Floor and Ceiling Runners —** (Not shown)—For use with Item 2A- Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, min depth to accommodate stud size, with min 1 in. long legs, attached to floor and ceiling with fasteners spaced max 24 in. OC.

1E. **Framing Members*— Floor and Ceiling Runners —** (Not shown, As an alternate to Item 1) — For use with Items 2E, 5F or 5G or 5I only, channel shaped, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, attached to floor and ceiling with fasteners 24 in. OC. max.
**CLARKDIETRICH BUILDING SYSTEMS** — CD ProTRAK
**DMFCWBS L L C** — ProTRAK
**MBA BUILDING SUPPLIES INC** — ProTRAK
**RAM SALES L L C** — Ram ProTRAK
**SOUTHEASTERN STUD & COMPONENTS INC** — ProTRAK
**STEEL STRUCTURAL SYSTEMS L L C** — Tri-S ProTRAK

1F. **Framing Members* - Floor and Ceiling Runner —** Not shown - In lieu of Item 1 — For use with Item 2F, proprietary channel shaped runners, minimum width to accommodate stud size, with 1- 1/8 in. long legs fabricated from min 0.015 in. (min bare metal thickness) galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
**SUPER STUD BUILDING PRODUCTS** — The Edge

1G. **Framing Members* - Floor and Ceiling Runner —** For use with Item 2G, proprietary channel shaped runners, minimum width to accommodate stud size attached to floor and ceiling with fasteners 24 in. OC max.
**STUDCO BUILDING SYSTEMS** — CROCSTUD Track

1H. **Floor and Ceiling Runners —** (Not shown) — Channel shaped, fabricated from min 0.02 in. galv steel, min width to accommodate stud size, with min 1 in. long legs, for use with studs specified below and fabricated from min 0.02 in. galv steel or thicker, attached to floor and ceiling with fasteners spaced max 24 in. OC.
**MARINO/WARE, DIV OF WARE INDUSTRIES INC** — Viper20™ Track VT100.

1I. **Framing Members*— Floor and Ceiling Runners —** (Not shown, As an alternate to Item 1) — For use with Items 2H, channel shaped, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, attached to floor and ceiling with fasteners 24 in. OC. max.
**TELLING INDUSTRIES L L C** — TRUE-TRACK™

1J. **Framing Members* - Floor and Ceiling Runner —** Not shown - In lieu of Item 1 — For use with Item 2I, proprietary channel shaped runners, 3-5/8 in. deep attached to floor and ceiling with fasteners 24 in. OC max.
**TELLING INDUSTRIES L L C** — Viper25™ Track

1K. **Framing Members* - Floor and Ceiling Runner —** Not shown - In lieu of Item 1 — For use with Item 2J, proprietary channel shaped runners, 1-1/4 in. wide by 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
**TELLING INDUSTRIES L L C** — Viper20™ Track

2. **Steel Studs —** Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

2A. **Steel Studs —** (As an alternate to Item 2, For use with Items 5B, 5E, 5H and 5J) Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, 3-1/2 in. min depth, spaced a max of 16 in. OC. Studs friction-fit into floor and ceiling runners. Studs to be cut 5/8 to 3/4 in. less than assembly height.

2B. **Framing Members* - Steel Studs —** (As an alternate to Item 2, For use with Items 5C or 5I) - Proprietary channel shaped studs, 3-5/8 in. deep spaced a max of 24 in. OC. Studs to be cut 3/4 in less than the assembly height and installed with a ½ in. gap between the end of the stud and track at the bottom of the wall. For direct attachment of gypsum board only.
**CALIFORNIA EXPANDED METAL PRODUCTS CO** — Viper25™
**CRACO MFG INC** — SmartStud25™
**MARINO/WARE, DIV OF WARE INDUSTRIES INC** — Viper25™
**PHILLIPS MFG CO L L C** — Viper25™

2C. **Framing Members* - Steel Studs —** Not shown - In lieu of Item 2 — proprietary channel shaped steel studs, min depth as indicated under Item 5, spaced a max if 24 in. OC, fabricated from min 0.020 in. thick galv steel. Studs cut 3/8 in. to 3/4 in. less in lengths than assembly heights.
**CALIFORNIA EXPANDED METAL PRODUCTS CO** — Viper20™
**MARINO/WARE, DIV OF WARE INDUSTRIES INC** — Viper20™
**PHILLIPS MFG CO L L C** — Viper20™

2D. **Framing Members*— Steel Studs —** In lieu of Item 2 - Channel shaped studs, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.
**ALLSTEEL & GYPSUM PRODUCTS INC** — Type SUPREME Framing System
**CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV** — Type SUPREME Framing System
**QUAIL RUN BUILDING MATERIALS INC** — Type SUPREME Framing System
**SCAFCO STEEL STUD MANUFACTURING CO** — Type SUPREME Framing System
**STEEL CONSTRUCTION SYSTEMS INC** — Type SUPREME Framing System
**UNITED METAL PRODUCTS INC** — Type SUPREME Framing System

2E. **Framing Members*— Steel Studs —** (Not shown, As an alternate to Item 2) —For use with Items 5F or 5G or 5I only, channel shaped studs, min depth as indicated under Item 5F, 5G or 5I, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.
**CLARKDIETRICH BUILDING SYSTEMS** — CD ProSTUD
**DMFCWBS L L C** — ProSTUD
**MBA BUILDING SUPPLIES INC** — ProSTUD
**RAM SALES L L C** — Ram ProSTUD
**SOUTHEASTERN STUD & COMPONENTS INC** — ProSTUD
**STEEL STRUCTURAL SYSTEMS L L C** — Tri-S ProSTUD

2F. **Framing Members* - Steel Studs —** Not shown - In lieu of Item 2 — proprietary channel shaped steel studs, minimum width indicated under Item 5, 1-1/4 in. deep fabricated from min 0.015 in. (min bare metal thickness) galvanized steel. Studs 3/8 in. to 3/4 in. less in lengths than assembly heights.
**SUPER STUD BUILDING PRODUCTS** — The Edge

2G. **Framing Members* - Steel Studs —** Not shown - In lieu of Item 2 - proprietary channel shaped studs, minimum width indicated under Item 5, Studs to be cut 3/8 to 3/4 in less than the assembly height.
**STUDCO BUILDING SYSTEMS** — CROCSTUD

2H. **Framing Members*— Steel Studs —** (Not shown, As an alternate to Item 2) — Fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.
**TELLING INDUSTRIES L L C** — TRUE-STUD™

2I. **Framing Members* - Steel Studs —** (As an alternate to Item 2, For use with Items 5C or 5L) - Proprietary channel shaped studs, 3-5/8 in. deep spaced a max of 24 in. OC. Studs to be cut 3/4 in less than the assembly height and installed with a ½ in. gap between the end of the stud and track at the bottom of the wall. For direct attachment of gypsum board only.
**TELLING INDUSTRIES L L C** — Viper25™

2J. **Framing Members* - Metal Studs —** Not shown - In lieu of Item 2 — proprietary channel shaped steel studs, min depth as indicated under Item 5, spaced a max if 24 in. OC, fabricated from min 0.020 in. thick galv steel. Studs cut 3/8 in. to 3/4 in. less in lengths than assembly heights
**TELLING INDUSTRIES L L C** — Viper20™

3. **Wood Structural Panel Sheathing —** (Optional, For use with Item 5 Only.)- (Not Shown) - 4 ft wide, 7/16 in. thick oriented strand board (OSB) or 15/32 in. thick structural 1 sheathing (plywood) complying with DOC PS1 or PS2, or APA Standard PRP-108, manufactured with exterior glue, applied horizontally or vertically to the steel studs. Vertical joints centered on studs, and staggered one stud space from wallboard joints. Attached to studs with flat-head self-drilling tapping screws with a min. head diam. of 0.292 in. at maximum 6 in. OC. in the perimeter and 12 in. OC. in the field. When used, fastener lengths for gypsum panels increased by min. 1/2 in.

4. **Batts and Blankets* —** (Required as indicated under Item 5) — Mineral wool batts, friction fitted between studs and runners. Min nom thickness as indicated under Item 5. See **Batts and Blankets (BKNV or BZJZ) Categories** for names of Classified companies.

4A. **Batts and Blankets* —** (Optional) — Placed in stud cavities, any glass fiber or mineral wool insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance. See **Batts and Blankets (BKNV or BZJZ) Categories** for names of Classified companies.

5. **Gypsum Board* —** Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. The thickness and number of layers for the 1 hr, 2 hr, 3 hr and 4 hr ratings are as follows:

Gypsum Board Protection on Each Side of Wall

| Rating, Hr | Min Stud Depth, in. Item 2, 2C, 2D, 2F and 2G | No. of Layers & Thkns of Panel | MinThkns of Insulation(Item 4) |
|---|---|---|---|
| 1 | 3-1/2 | 1 layer, 5/8 in. thick | Optional |
| 1 | 2-1/2 | 1 layer, 1/2 in. thick | 1-1/2 in. |
| 1 | 1-5/8 | 1 layer, 5/8 in. thick | Optional |
| 2 | 1-5/8 | 2 layers, 1/2 in. thick | Optional |
| 2 | 1-5/8 | 2 layers, 5/8 in. thick | Optional |
| 2 | 3-1/2 | 1 layer, 3/4 in. thick | 3 in. |
| 3 | 1-5/8 | 3 layers, 1/2 in. thick | Optional |
| 3 | 1-5/8 | 2 layers, 3/4 in. thick | Optional |
| 3 | 1-5/8 | 3 layers, 5/8 in. thick | Optional |
| 4 | 1-5/8 | 4 layers, 5/8 in. thick | Optional |
| 4 | 1-5/8 | 4 layers, 1/2 in. thick | Optional |
| 4 | 2-1/2 | 2 layers, 3/4 in. thick | 2 in. |

**CGC INC** — 1/2 in. thick Type C, IP-X2 or IPC-AR; WRC, 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX or WRC; 3/4 in. thick Types IP-X3 or ULTRACODE
**UNITED STATES GYPSUM CO** — 1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type SCX, SGX, SHX, WRX, IP-X1, AR, C, WRC, FRX-G, IP-AR, IP-X2, IPC-AR ; 3/4 in. thick Types IP-X3 or ULTRACODE
**USG MEXICO S A DE C V** — 1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX, WRC or; 3/4 in. thick Types IP-X3 or ULTRACODE
When Item 7B, Steel Framing Members*, is used, Nonbearing Wall Rating is limited to 1 Hr. Min. stud depth is 3-1/2 in., min. thickness of insulation (Item 4) is 3 in., and two layers of gypsum board panels (1/2 in. or 5/8 in. thick) shall be attached to furring channels as described in Item 6. One layer of gypsum board panels (1/2 in. or 5/8 in. thick) attached to opposite side of stud without furring channels as described in Item 6.

5A. **Gypsum Board* —** (As an alternate to Item 5) — 5/8 in. thick, 24 to 54 in. wide, applied horizontally as the outer layer to one side of the assembly. Secured as described in Item 6.
**CGC INC** — Type SHX.
**UNITED STATES GYPSUM CO** — Type FRX-G, SHX.
**USG MEXICO S A DE C V** — Type SHX.

5B. **Gypsum Board* —** (Not Shown) - As an alternate to Item 5 when used as the base layer on one or both sides of wall when 5/8 in or ⅝ in. thick products are specified. For direct attachment only to steel studs Item 2A. (not to be used with Item 3) - Nom 5/8 in. or ⅝ in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Gypsum board secured to 20 MSG steel studs Item 2A with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. To be used with Lead Batten Strips (see Item 11) or Lead Discs or Tabs (see Item 12).
**RAY-BAR ENGINEERING CORP** — Type RB-LBG

5C. **Gypsum Board* —** (For Use With Item 2B) Rating Limited to 1 Hour. 5/8 in. thick, 48 in. wide, Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. (Vertical Application) - The gypsum board is to be installed on each side of the studs with 1 in. long Type S coated steel screws spaced 8 in. OC starting 4 in. from the edge of the board at the vertical edges and 12 in. OC starting 6 in. from the edge of the board at the center of each board. Gypsum boards are to be secured to the top and bottom track with screws spaced 8 in. OC starting 4 in. from the board edge. Fasteners shall not penetrate through both the stud and the track at the same time. Vertical joints are to be centered over studs and staggered one stud cavity on opposite sides of studs. (Horizontal Application) - The gypsum board is to be installed on each side of the studs with 1 in. long Type S coated steel screws spaced 8 in. OC starting 4 in. from the edge of the board at the vertical edges and 12 in. OC starting 6 in. from the edge of the board at the center of each board. Gypsum boards are to be secured to the top and bottom track with screws spaced 8 in. OC starting 4 in. from the board edge. Fasteners shall not penetrate through both the stud and the track at the same time. All horizontal joints are to be backed as outlined under section VI of Volume 1 in the Fire Resistive Directory.
**CGC INC** — Type SCX.
**UNITED STATES GYPSUM CO** — Type SCX, SGX.
**USG MEXICO S A DE C V** — Type SCX.

5D. **Gypsum Board* —** (As an alternate to Item 5) — 5/8 in. thick, 48 in. wide, applied vertically or horizontally. Secured as described in Item 6. For use with Items 1 and 2 only.
**UNITED STATES GYPSUM CO** — Type USGX.

5E. **Gypsum Board* —** (Not Shown) - (As an alternate to Item 5 when used as the base layer on one or both sides of wall when 1/2 in. or 5/8 in thick products are specified, For direct attachment only to steel studs Item 2A, not to be used with Item 3). Nominal 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 (or No. 6 by 1-1/4 in. long bugle head fine driller) steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field.
**NEW ENGLAND LEAD BURNING CO INC, DBA NELCO** — Nelco

5F. **Gypsum Board* —** (As an alternate to Item 5) — For use with Items 1E and 2E and limited to 1 Hour Rating only, Gypsum panels with beveled, square or tapered edges, applied vertically, and fastened to the steel studs with 1 in. long Type S screws spaced 8 in. OC along vertical and bottom edges and 12 in. OC in the field. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Steel stud depth shall be a minimum 3-5/8 in.
**UNITED STATES GYPSUM CO** — 5/8 in. thick Type SCX, SGX.

5G. **Gypsum Board* —** (As an alternate to Item 5) — For use with Items 1E and 2E only, Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally, as specified in the table below and fastened to the steel studs as described in Item 6. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. The thickness and number of layers for the 2 hr, 3 hr and 4 hr ratings are as follows:

Gypsum Board Protection on Each Side of Wall

| Rating, Hr | Min Stud Depth, in. Item 2E | No. of Layers & Thickness of Panel | Min Thkns of Insulation (Item 4) |
|---|---|---|---|
| 2 | 1-5/8 | 2 layers, 1/2 in. thick | Optional |
| 2 | 1-5/8 | 2 layers, 5/8 in. thick | Optional |
| 3 | 1-5/8 | 3 layers, 1/2 in. thick | Optional |
| 3 | 1-5/8 | 3 layers, 5/8 in. thick | Optional |
| 4 | 1-5/8 | 4 layers, 5/8 in. thick | Optional |
| 4 | 1-5/8 | 4 layers, 1/2 in. thick | Optional |

**CGC INC** — 1/2 in. thick Type C, IP-X2 or IPC-AR;, 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, or; 3/4 in. thick Types IP-X3 or ULTRACODE
**UNITED STATES GYPSUM CO** — 1/2 in. thick Type C, IP-X2, IPC-AR or; 5/8 in. thick Type SCX, SGX, SHX, IP-X1, AR, C, , FRX-G, IP-AR, IP-X2, IPC-AR ; 3/4 in. thick Types IP-X3 or ULTRACODE
**USG MEXICO S A DE C V** — 1/2 in. thick Type C, IP-X2, IPC-AR or; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, or; 3/4 in. thick Types IP-X3 or ULTRACODE

5H. **Gypsum Board* —** (Not Shown) - (As an alternate to Item 5 when used as the base layer on one or both sides of wall when 5/8 or 3/4 in thick products are specified. For direct attachment only to steel studs Item 2A, (not to be used with Item 3) - Nom 5/8 or 3/4 in. may be used as alternate to all 5/8 or 3/4 in. shown in Item 5, Wallboard Protection on Each Side of Wall table. Nom 5/8 or 3/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over 20 MSG steel studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Gypsum board secured to 20 MSG steel studs Item 2B with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. For Joint Compound see Item 5. To be used with Lead Batten Strips (see Item 11A) or Lead Discs (see Item 12A).
**MAYCO INDUSTRIES INC** — Type X-Ray Shielded Gypsum

5I. **Gypsum Board* —** (As an alternate to Item 5) - Nom. 5/8 in. thick gypsum panels with beveled, square or tapered edges installed as described in Item 5. Steel stud minimum depth shall be as indicated in Item 5.
**CGC INC** — Type ULX
**UNITED STATES GYPSUM CO** — Type ULX
**USG MEXICO S A DE C V** — Type ULX

5J. **Gypsum Board* —** (Not Shown) - (As an alternate to Item 5 when used as the base layer on one or both sides of wall when 1/2 in. or 5/8 in thick products are specified, For direct attachment only to steel studs Item 2A, not to be used with Item 3). Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws gypsum panel steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in. placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in. thick. Compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".
**RADIATION PROTECTION PRODUCTS INC** — Type RPP - Lead Lined Drywall

6. **Fasteners —** (Not shown) — For use with Items 2 and 2F - Type S or S-12 steel screws used to attach panels to studs (Item 2) or furring channels (Item 7). **Single layer systems:** 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 8 in. OC when panels are applied horizontally, or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when panels are applied vertically. **Two layer systems:** First layer- 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels or 2-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC with screws offset 8 in. from first layer.**Three-layer systems:** First layer- 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in., 5/8 in. thick panels or 2-5/8 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below. **Four-layer systems:** First layer- 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in. thick panels or 2-5/8 in. long for 5/8 in. thick panels, spaced 24 in. OC. Fourth layer- 2-5/8 in. long for 1/2 in. thick panels or 3 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below.

7. **Furring Channels —** (Optional, not shown, for single or double layer systems) — Resilient furring channels fabricated from min 25 MSG corrosion-protected steel, spaced vertically a max of 24 in. OC. Flange portion attached to each intersecting stud with 1/2 in. long Type S-12 steel screws. Not for use with Item 5A and 5E.

7A. **Framing Members* —** (Optional on one or both sides, not shown, for single or double layer systems) — As an alternate to Item 7, furring channels and Steel Framing Members as described below:
a. **Furring Channels —** Formed of No. 25 MSG galv steel. 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board attached to furring channels as described in Item 6. Not for use with Item 5A and 5E.
b. **Steel Framing Members* —** Used to attach furring channels (Item 7Aa) to studs (Item 2). Clips spaced max. 48 in. OC. RSIC-1 and RSIC-1 (2.75) clips secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. RSIC-V and RSIC-V (2.75) clips secured to studs with No. 8 x 9/16 in. minimum self-drilling, S-12 steel screw through the center hole. Furring channels are friction fitted into clips. RSIC-1 and RSIC-V clips for use with 2-9/16 in. wide furring channels. RSIC-1 (2.75) and RSIC-V (2.75) clips for use with 2-23/32 in. wide furring channels.
**PAC INTERNATIONAL INC** — Types RSIC-1, RSIC-V, RSIC-1 (2.75), RSIC-V (2.75).

7B. **Framing Members* —** (Optional, Not Shown) — As an alternate to Item 7, for single or double layer systems, furring channels and Steel Framing Members on only one side of studs as described below:
a. **Furring Channels —** Formed of No. 25 MSG galv steel, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Batts and Blankets placed in stud cavity as described in Item 5. Two layers of gypsum board attached to furring channels as described in Item 5. Not for use with Item 5A and 5E.
b. **Steel Framing Members* —** Used to attach furring channels (Item 7Ba) to one side of studs (Item 2) only. Clips spaced 48 in. OC., and secured to studs with two No. 8 x 2-1/2 in. coarse drywall screws, one through the hole at each end of the clip. Furring channels are friction fitted into clips.
**KINETICS NOISE CONTROL INC** — Type Isomax

7C. **Framing Members* —** (Not Shown) — (Optional on one or both sides, not shown, for single or double layer systems) — As an alternate to Item 7, furring channels and Steel Framing Members as described below:
a. **Furring Channels —** Formed of No. 25 MSG galv steel. 2-3/8 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board attached to furring channels as described in Item 6. Not for use with Item 5A and 5E.
b. **Steel Framing Members* —** Used to attach furring channels (Item 7Aa) to studs (Item 2). Clips spaced max. 48 in. OC. GENIECLIPS secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. Furring channels are friction fitted into clips.
**PLITEQ INC** — Type GENIECLIP

7D. **Steel Framing Members —** (Optional, Not Shown)* - Furring channels and resilient sound isolation clip as described below:
a. **Furring Channels —** Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and secured together with four self-tapping No. 8x1/2 Self Drilling screws (2 per side 1 in. and 4 in. from overlap edge). Gypsum board attached to furring channels as described in Item 4. Side joint furring channels shall be attached to studs with RESILMOUNT Sound Isolation Clips - located approximately 2 in. from each end of length of channel. Both Gypsum Boards at side joints fastened into channel with screws spaced 8 in. OC, approximately 1/2 in. from joint edge. Not for use with Item 5A and 5E.
b. **Steel Framing Members* —** Resilient sound isolation clip used to attach furring channels (Item 7Da) to studs. Clips spaced 24 in. OC., and secured to studs with No. 10 x 2-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.
**STUDCO BUILDING SYSTEMS** — RESILMOUNT Sound Isolation Clips - Type A237 or A237R

8. **Joint Tape and Compound —** Vinyl or casein, dry or premixed joint compound applied in two coats to joints and screw heads of outer layers. Paper tape, nom 2 in. wide, embedded in first layer of compound over all joints of outer layer panels. Paper tape and joint compound may be omitted when gypsum panels are supplied with a square edge.

9. **Siding, Brick or Stucco —** (Optional, not shown) — Aluminum, vinyl or steel siding, brick veneer or stucco, meeting the requirements of local code agencies, installed over gypsum panels. Brick veneer attached to studs with corrugated metal wall ties attached to each stud with steel screws, not more than each sixth course of brick.

10. **Caulking and Sealants* —** (Optional, not shown) — A bead of acoustical sealant applied around the partition perimeter for sound control.
**UNITED STATES GYPSUM CO** — Type AS

11. **Lead Batten Strips —** (Not Shown, For Use With Item 5B) - Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.125 in. Strips placed on the interior face of studs and attached from the exterior face of the stud with two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5B) and optional at remaining stud locations. Required behind vertical joints.

11A. **Lead Batten Strips —** (Not Shown, For Use With Item 5H) Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.140 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.5% meeting the Federal specification QQ-L-201f, Grades "B, C or D". Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations.

12. **Lead Discs or Tabs —** (Not Shown, For Use With Item 5B) - Used in lieu of or in addition to the lead batten strips (Item 11) or optional at other locations - Max 3/4 in. diam by max 0.125 in. thick lead discs compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards (Item 5B) underneath screw locations prior to the installation of the screws. Lead discs or tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".

12A. **Lead Discs —** (Not Shown, for use with Item 5H) Max 5/16 in. diam by max 0.140 in. thick lead discs compression fitted or adhered over steel screw heads. Lead discs to have a purity of 99.5% meeting the Federal Specification QQ-L-201f, Grades "B, C or D".

13. **Lead Batten Strips —** (Not Shown, For Use With Item 5E) Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.142 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5E) and optional at remaining stud locations.

14. **Lead Tabs —** (Not Shown, For Use With Item 5E) 2 in. wide, 5 in. long with a max thickness of 0.142 in. Tabs friction-fit around front face of stud, the stud folded back flange, and the back face of the stud. Tabs required at each location where a screw (that secures the gypsum boards, Item 5E) will penetrate the steel stud. Lead tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead tabs may be held in place with standard adhesive tape if necessary.

*Bearing the UL Classification Mark

Last Updated on 2014-05-14

1 G-003 **UL DESIGN NO U419**
**NOT TO SCALE**

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FAYETTEVILLE, NC

Construction Documents

Lenoir County
**EB Frink Middle School**
405 North Charles Street La Grange NC, 28551

ENERGY STAR PARTNER

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ISSUE DATE: 02/18/2025
PROJECT #: 02303.000
DRAWN BY: DS
CHECKED BY: MK

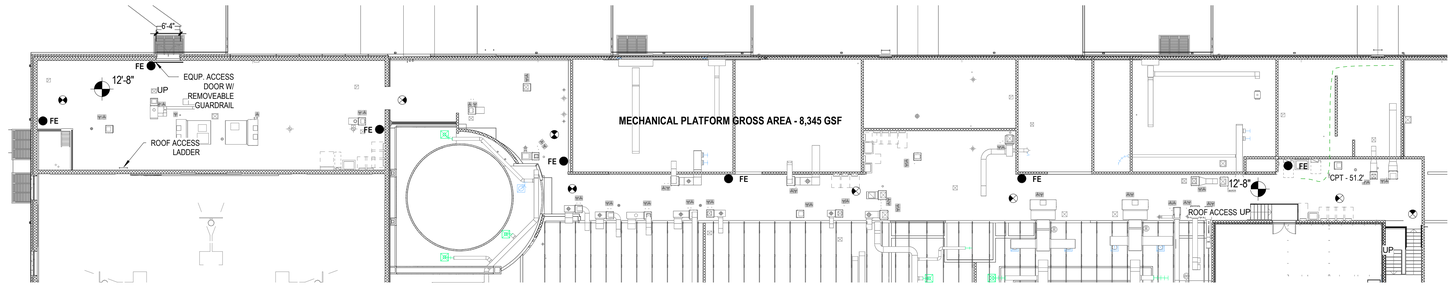
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UL DESIGN DETAILS

G-003

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2 G-111

## MECHANICAL PLATFORM LS

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




1 G-111

## LIFE SAFETY PLAN

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

## LIFE SAFETY LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| | 1 HR FIRE RATED |
| | 2 HR FIRE RATED |
| 90 | DOOR FIRE RATING IN MINUTES |
| | EGRESS DOOR |
| | EGRESS DOOR WITH PANIC HARDWARE |
| 25 / 1M | ACTUAL NUMBER OF OCCUPANTS EGRESSING THROUGH EXIT. / MAXIMUM NUMBER OF OCCUPANTS ALLOWED THROUGH EXIT. |
| FEC | FIRE EXTINGUISHER |
| | EXIT SIGN |
| 36DW | 36" DOOR WIDTH NOMINAL = 33.5" CLEAR (223 OCCUPANTS PER DOOR AT .15) |
| 40DW | 40" DOOR WIDTH NOMINAL = 37.5" CLEAR (250 OCCUPANTS PER DOOR AT .15) |
| 48DW | 48" DOOR WIDTH NOMINAL = 45.5" CLEAR (303 OCCUPANTS PER DOOR AT .15) |
| 72DW | (PAIR) 36" DOORS WIDTH NOMINAL = 68.5" CLEAR (456 OCCUPANTS PER DOOR AT .15) |
| 84DW | (PAIR) 42" DOORS WIDTH NOMINAL = 80.5" CLEAR (536 OCCUPANTS PER DOOR AT .15) |
| 96DW | (PAIR) 48" DOORS WIDTH NOMINAL = 92.5" CLEAR (616 OCCUPANTS PER DOOR AT .15) |

## LIFE SAFETY GENERAL NOTES:

1. SEE SHEET G003 FOR UL DESIGNS
2. SEE SHEET A010 & FLOOR PLANS FOR PARTITION TYPES

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Lenoir County

# EB Frink Middle School

405 North Charles Street La Grange NC, 28551

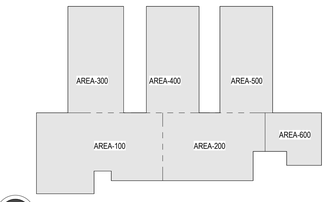
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LIFE SAFETY PLANS




KEY PLAN ALL

G-111

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# CONSTRUCTION DOCUMENTS FOR:
# EB FRINK MIDDLE SCHOOL
## 405 N CHARLES ST, LA GRANGE, NORTH CAROLINA 28551

## UTILITY / MUNICIPALITY CONTACTS:

A. TOWN OF LA GRANGE
PLANNING DEPARTMENT
203 S CENTER STREET
LA GRANGE, NC 28551
(252) 566-3186

B. BURIED CABLE LOCATION
NC 811

C. DUKE ENERGY
(866) 582-6345

## CONSULTANT CONTACTS:

OWNER
TOWN OF LA GRANGE
CONTACT:
203 S CENTER STREET
LA GRANGE NC 28551
PHONE: 252-566-2201

SITE ENGINEER/ LANDSCAPE
TIMMONS GROUP
CONTACT: BRANDON MCLAMB
5410 TRINITY ROAD, SUITE 102
RALEIGH, NC 27607
PHONE: 919-866-4935

ARCHITECT
SfL+a ARCHITECTS
CONTACT: DOTTIE SLOAN
333 FAYETVILLE STREET, SUITE 225
RALEIGH, NC 27601
PHONE: 919-573-6338

| SITE DATA TABLE | |
|---|---|
| PROJECT NAME: | EB FRINK MS |
| SITE PLAN NUMBER | (TBD) |
| PROPERTY OWNER/ DEVELOPER: | TOWN OF LA GRANGE<br>203 S CENTER STREET<br>LA GRANGE, NC 28511 |
| PIN ID: | 3567-13-8038 |
| DEED REFERENCE: | DB. 1521 PG. 0579 |
| DEED ACRES: | 59.69 ACRES |
| PROPERTY ADDRESS: | 405 N CHARLES ST<br>LA GRANGE, NC 28551 |
| TOWNSHIP: | LA GRANGE |
| CURRENT PROPERTY ZONING: | AR |
| PROPOSED PROPERTY ZONING: | R-10 |
| CURRENT USE: | VACANT |
| PROPOSED USE: | EDUCATIONAL FACILITY |
| DISTURBED AREA: | 23.61 ACRES (± 1,028,417 SF) |
| RIVER BASIN: | NEUSE RIVER |
| SURFACE WATER CLASSIFICATION: | WS-IV; NSW |
| BUILDING/STRUCTURE SETBACKS: | |
| FRONT: | 35-FT |
| SIDE: | 20-FT |
| REAR: | 30-FT |
| LANDSCAPE BUFFERS: | |
| ADJACENT RESIDENTIAL (SOUTH & WEST): | 40-FT |
| ADJACENT LIGHT INDUSTRIAL:(NORTH) | 10-FT |
| STREET YARD: | N/A |
| BUILDING SUMMARY: | |
| PROPOSED BUILDING SQUARE FEET: | 96,319 SF |
| BUILDING COVERAGE: | 11% OF TOTAL SITE (19.5 ACRES) |
| NUMBER OF STORIES: | 1 STORY |
| MAXIMUM PROPOSED BUILDING HEIGHT | 33' - 0" |
| PARKING SUMMARY: | |
| REQUIRED VEHICULAR SPACES: | 3 SPACES PER CLASSROOM<br>3 SPACE x 41 CLASSROOMS = 123 SPACES REQ. |
| PARKING SPACES PROVIDED: | 123 SPACES |
| ADA PARKING SUMMARY: | |
| ADA SPACES REQUIRED: | 5 SPACES REQUIRED |
| ADA SPACES PROVIDED: | 6 SPACES PROVIDED INCLUDING 1 VAN ACCESSIBLE SPACE |
| UTILITY PROVIDERS: | |
| ELECTRIC PROVIDER: | TOWN OF LA GRANGE (PUBLIC) |
| WATER PROVIDER: | TOWN OF LA GRANGE (PUBLIC) |
| SEWER PROVIDER: | TOWN OF LA GRANGE (PUBLIC) |
| GAS PROVIDER: | TOWN OF LA GRANGE (PUBLIC) |




VICINITY MAP
1" = 1000'

| SITE IMPROVEMENT TABLE: | |
|---|---|
| LENGTH OF SIDWALK: | 2,145 LF |
| LENGTH OF WATERLINE | |
| 4" DUCTILE IRON: | 282 LF |
| 6" DUCTILE IRON: | 173 LF |
| 8" DUCTILE IRON: | 2,087 LF |
| LENGTH OF SEWER | |
| 6" PVC: | 518 LF |
| 8" PVC: | 345 LF |
| LENGTH OF STORM SEWER | |
| 8" HDPE: | 113 LF |
| 12" HDPE: | 544 LF |
| 15" HDPE: | 177 LF |
| 18" HDPE: | 346 LF |
| 24" HDPE: | 692 LF |
| 30" HDPE: | 163 LF |
| 36" HDPE: | 116 LF |

| SITE IMPERVIOUS TABLE: | |
|---|---|
| EXISTING IMPERVIOUS: | 0.00 ACRES (± 00,000 SF) |
| PROPOSED IMPERVIOUS: | 4.77 ACRES (± 207,781 SF) |

## Sheet List Table


| Sheet Number | Sheet Title |
|---|---|
| C0.0 | COVER SHEET |
| C1.0 | OVERALL EXISTING CONDITIONS & DEMOLITION PLAN |
| C1.1 | EXISTING CONDITIONS & DEMOLITION PLAN |
| C1.2 | EXISTING CONDITIONS & DEMOLITION PLAN |
| C2.0 | OVERALL EROSION CONTROL PLAN - PHASE I |
| C2.1 | EROSION CONTROL PLAN - PHASE I |
| C2.2 | EROSION CONTROL PLAN - PHASE I |
| C2.3 | OVERALL EROSION CONTROL PLAN - PHASE II |
| C2.4 | EROSION CONTROL PLAN - PHASE II |
| C2.5 | EROSION CONTROL PLAN - PHASE II |
| C2.6 | EROSION CONTROL NOTES & DETAILS |
| C2.7 | EROSION CONTROL NOTES & DETAILS |
| C2.8 | EROSION CONTROL NOTES & DETAILS |
| C2.9 | NCG01 |
| C3.0 | OVERALL SITE LAYOUT PLAN |
| C3.1 | SITE LAYOUT PLAN |
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| C4.1 | UTILITY PLAN |
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| C4.3 | WATERLINE PROFILES |
| C4.4 | SANITARY SEWER PROFILES |
| C4.5 | UTILITY NOTES & DETAILS |
| C4.6 | UTILITY NOTES & DETAILS |
| C5.0 | GRADING & DRAINAGE PLAN |
| C5.1 | SPOT ELEVATION PLAN |
| C5.2 | STORM SEWER PROFILES & SCHEDULES |
| C5.3 | DRAINAGE NOTES & DETAILS |
| L1.0 | LANDSCAPE PLAN |
| L1.1 | LANDSCAPE NOTES AND DETAILS |


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NORTH CAROLINA PROFESSIONAL SEAL 034374 ENGINEER Brandon L. McLamb 09/12/2024

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TG CONTACT: BRANDON MCLAMB
TG PROJECT #: 64339
NC LICENSE NO. C-1652

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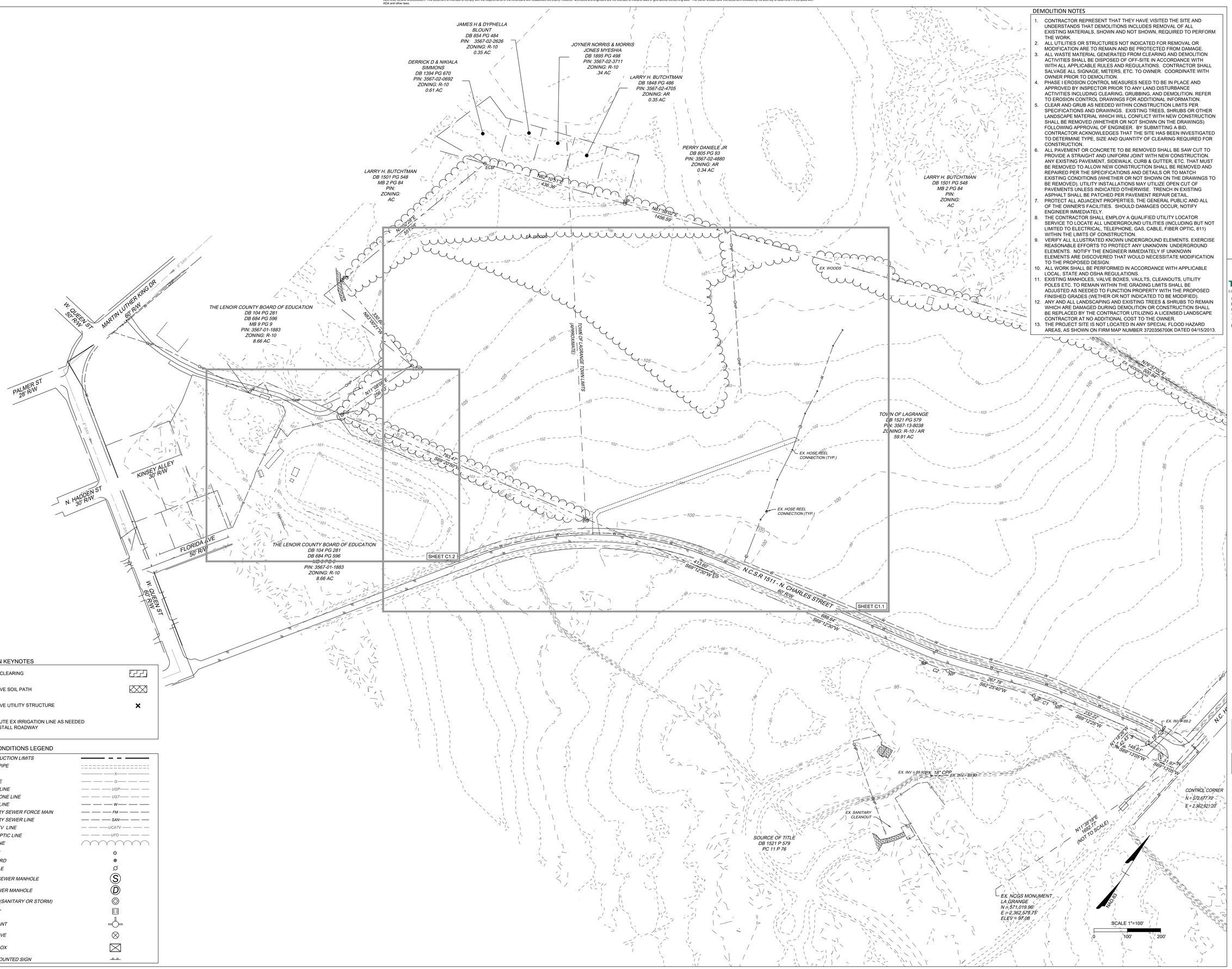
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COVER SHEET

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## DEMOLITION NOTES

1. CONTRACTOR REPRESENT THAT THEY HAVE VISITED THE SITE AND UNDERSTANDS THAT DEMOLITIONS INCLUDES REMOVAL OF ALL EXISTING MATERIALS, SHOWN AND NOT SHOWN, REQUIRED TO PERFORM THE WORK.
2. ALL UTILITIES OR STRUCTURES NOT INDICATED FOR REMOVAL OR MODIFICATION ARE TO REMAIN AND BE PROTECTED FROM DAMAGE.
3. ALL WASTE MATERIAL GENERATED FROM CLEARING AND DEMOLITION ACTIVITIES SHALL BE DISPOSED OF OFF-SITE IN ACCORDANCE WITH WITH ALL APPLICABLE RULES AND REGULATIONS. CONTRACTOR SHALL SALVAGE ALL SIGNAGE, METERS, ETC. TO OWNER. COORDINATE WITH OWNER PRIOR TO DEMOLITION.
4. PHASE I EROSION CONTROL MEASURES NEED TO BE IN PLACE AND APPROVED BY INSPECTOR PRIOR TO ANY LAND DISTURBANCE ACTIVITIES INCLUDING CLEARING, GRUBBING, AND DEMOLITION. REFER TO EROSION CONTROL DRAWINGS FOR ADDITIONAL INFORMATION.
5. CLEAR AND GRUB AS NEEDED WITHIN CONSTRUCTION LIMITS PER SPECIFICATIONS AND DRAWINGS. EXISTING TREES, SHRUBS OR OTHER LANDSCAPE MATERIAL WHICH WILL CONFLICT WITH NEW CONSTRUCTION SHALL BE REMOVED (WHETHER OR NOT SHOWN ON THE DRAWINGS) FOLLOWING APPROVAL OF ENGINEER. BY SUBMITTING A BID, CONTRACTOR ACKNOWLEDGES THAT THE SITE HAS BEEN INVESTIGATED TO DETERMINE TYPE, SIZE AND QUANTITY OF CLEARING REQUIRED FOR CONSTRUCTION.
6. ALL PAVEMENT OR CONCRETE TO BE REMOVED SHALL BE SAW CUT TO PROVIDE A STRAIGHT AND UNIFORM JOINT WITH NEW CONSTRUCTION. ANY EXISTING PAVEMENT, SIDEWALK, CURB & GUTTER, ETC. THAT MUST BE REMOVED TO ALLOW NEW CONSTRUCTION SHALL BE REMOVED AND REPAIRED PER THE SPECIFICATIONS AND DETAILS OR TO MATCH EXISTING CONDITIONS (WHETHER OR NOT SHOWN ON THE DRAWINGS TO BE REMOVED). UTILITY INSTALLATIONS MAY UTILIZE OPEN CUT OF PAVEMENTS UNLESS INDICATED OTHERWISE. TRENCH IN EXISTING ASPHALT SHALL BE PATCHED PER PAVEMENT REPAIR DETAIL.
7. PROTECT ALL ADJACENT PROPERTIES, THE GENERAL PUBLIC AND ALL OF THE OWNER'S FACILITIES. SHOULD DAMAGES OCCUR, NOTIFY ENGINEER IMMEDIATELY.
8. THE CONTRACTOR SHALL EMPLOY A QUALIFIED UTILITY LOCATOR SERVICE TO LOCATE ALL UNDERGROUND UTILITIES (INCLUDING BUT NOT LIMITED TO ELECTRICAL, TELEPHONE, GAS, CABLE, FIBER OPTIC, 811) WITHIN THE LIMITS OF CONSTRUCTION.
9. VERIFY ALL ILLUSTRATED KNOWN UNDERGROUND ELEMENTS. EXERCISE REASONABLE EFFORTS TO PROTECT ANY UNKNOWN UNDERGROUND ELEMENTS. NOTIFY THE ENGINEER IMMEDIATELY IF UNKNOWN ELEMENTS ARE DISCOVERED THAT WOULD NECESSITATE MODIFICATION TO THE PROPOSED DESIGN.
10. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND OSHA REGULATIONS.
11. EXISTING MANHOLES, VALVE BOXES, VAULTS, CLEANOUTS, UTILITY POLES ETC. TO REMAIN WITHIN THE GRADING LIMITS SHALL BE ADJUSTED AS NEEDED TO FUNCTION PROPERTY WITH THE PROPOSED FINISHED GRADES (WETHER OR NOT INDICATED TO BE MODIFIED).
12. ANY AND ALL LANDSCAPING AND EXISTING TREES & SHRUBS TO REMAIN WHICH ARE DAMAGED DURING DEMOLITION OR CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR UTILIZING A LICENSED LANDSCAPE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
13. THE PROJECT SITE IS NOT LOCATED IN ANY SPECIAL FLOOD HAZARD AREAS, AS SHOWN ON FIRM MAP NUMBER 3720356700K DATED 04/15/2013.

## DEMOLITION KEYNOTES

- A - TREE CLEARING
- B - REMOVE SOIL PATH
- C - REMOVE UTILITY STRUCTURE
- D - REROUTE EX IRRIGATION LINE AS NEEDED TO INSTALL ROADWAY

## EXISTING CONDITIONS LEGEND

- EX. CONSTRUCTION LIMITS
- EX. STORM PIPE
- EX. FENCE
- EX. GAS LINE
- EX. POWER LINE
- EX. TELEPHONE LINE
- EX. WATER LINE
- EX. SANITARY SEWER FORCE MAIN
- EX. SANITARY SEWER LINE
- EX. CABLE TV LINE
- EX. FIBER OPTIC LINE
- EX. TREE LINE
- LIGHT POLE
- SITE BOLLARD
- UTILITY POLE
- SANITARY SEWER MANHOLE
- STORM SEWER MANHOLE
- CLEANOUT (SANITARY OR STORM)
- DROP INLET
- FIRE HYDRANT
- WATER VALVE
- TELECOM BOX
- GROUND MOUNTED SIGN

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## OVERALL EXISTING CONDITIONS & DEMOLITION PLAN

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3. ALL WASTE MATERIAL GENERATED FROM CLEARING AND DEMOLITION ACTIVITIES SHALL BE DISPOSED OF OFF-SITE IN ACCORDANCE WITH WITH ALL APPLICABLE RULES AND REGULATIONS. CONTRACTOR SHALL SALVAGE ALL SIGNAGE, METERS, ETC. TO OWNER. COORDINATE WITH OWNER PRIOR TO DEMOLITION.
4. PHASE I EROSION CONTROL MEASURES NEED TO BE IN PLACE AND APPROVED BY INSPECTOR PRIOR TO ANY LAND DISTURBANCE ACTIVITIES INCLUDING CLEARING, GRUBBING, AND DEMOLITION. REFER TO EROSION CONTROL DRAWINGS FOR ADDITIONAL INFORMATION.
5. CLEAR AND GRUB AS NEEDED WITHIN CONSTRUCTION LIMITS PER SPECIFICATIONS AND DRAWINGS. EXISTING TREES, SHRUBS OR OTHER LANDSCAPE MATERIAL WHICH WILL CONFLICT WITH NEW CONSTRUCTION SHALL BE REMOVED (WHETHER OR NOT SHOWN ON THE DRAWINGS) FOLLOWING APPROVAL OF ENGINEER. BY SUBMITTING A BID, CONTRACTOR ACKNOWLEDGES THAT THE SITE HAS BEEN INVESTIGATED TO DETERMINE TYPE, SIZE AND QUANTITY OF CLEARING REQUIRED FOR CONSTRUCTION.
6. ALL PAVEMENT OR CONCRETE TO BE REMOVED SHALL BE SAW CUT TO PROVIDE A STRAIGHT AND UNIFORM JOINT WITH NEW CONSTRUCTION. ANY EXISTING PAVEMENT, SIDEWALK, CURB & GUTTER, ETC. THAT MUST BE REMOVED TO ALLOW NEW CONSTRUCTION SHALL BE REMOVED AND REPAIRED PER THE SPECIFICATIONS AND DETAILS OR TO MATCH EXISTING CONDITIONS (WHETHER OR NOT SHOWN ON THE DRAWINGS TO BE REMOVED). UTILITY INSTALLATIONS MAY UTILIZE OPEN CUT OF PAVEMENTS UNLESS INDICATED OTHERWISE. TRENCH IN EXISTING ASPHALT SHALL BE PATCHED PER PAVEMENT REPAIR DETAIL.
7. PROTECT ALL ADJACENT PROPERTIES, THE GENERAL PUBLIC AND ALL OF THE OWNER'S FACILITIES. SHOULD DAMAGES OCCUR, NOTIFY ENGINEER IMMEDIATELY.
8. THE CONTRACTOR SHALL EMPLOY A QUALIFIED UTILITY LOCATOR SERVICE TO LOCATE ALL UNDERGROUND UTILITIES (INCLUDING BUT NOT LIMITED TO ELECTRICAL, TELEPHONE, GAS, CABLE, FIBER OPTIC, 811) WITHIN THE LIMITS OF CONSTRUCTION.
9. VERIFY ALL ILLUSTRATED KNOWN UNDERGROUND ELEMENTS. EXERCISE REASONABLE EFFORTS TO PROTECT ANY UNKNOWN UNDERGROUND ELEMENTS. NOTIFY THE ENGINEER IMMEDIATELY IF UNKNOWN ELEMENTS ARE DISCOVERED THAT WOULD NECESSITATE MODIFICATION TO THE PROPOSED DESIGN.
10. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND OSHA REGULATIONS.
11. EXISTING MANHOLES, VALVE BOXES, VAULTS, CLEANOUTS, UTILITY POLES ETC. TO REMAIN WITHIN THE GRADING LIMITS SHALL BE ADJUSTED AS NEEDED TO FUNCTION PROPERTY WITH THE PROPOSED FINISHED GRADES (WETHER OR NOT INDICATED TO BE MODIFIED).
12. ANY AND ALL LANDSCAPING AND EXISTING TREES & SHRUBS TO REMAIN WHICH ARE DAMAGED DURING DEMOLITION OR CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR UTILIZING A LICENSED LANDSCAPE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
13. THE PROJECT SITE IS NOT LOCATED IN ANY SPECIAL FLOOD HAZARD AREAS, AS SHOWN ON FIRM MAP NUMBER 3720356700K DATED 04/15/2013.

## DEMOLITION KEYNOTES

- A — TREE CLEARING
- B — REMOVE SOIL PATH
- C — REMOVE UTILITY STRUCTURE
- D — REROUTE EX IRRIGATION LINE AS NEEDED TO INSTALL ROADWAY

## EXISTING CONDITIONS LEGEND

- EX. CONSTRUCTION LIMITS
- EX. STORM PIPE
- EX. FENCE
- EX. GAS LINE
- EX. POWER LINE
- EX. TELEPHONE LINE
- EX. WATER LINE
- EX. SANITARY SEWER FORCE MAIN
- EX. SANITARY SEWER LINE
- EX. CABLE TV LINE
- EX. FIBER OPTIC LINE
- EX. TREE LINE
- LIGHT POLE
- SITE BOLLARD
- UTILITY POLE
- SANITARY SEWER MANHOLE
- STORM SEWER MANHOLE
- CLEANOUT (SANITARY OR STORM)
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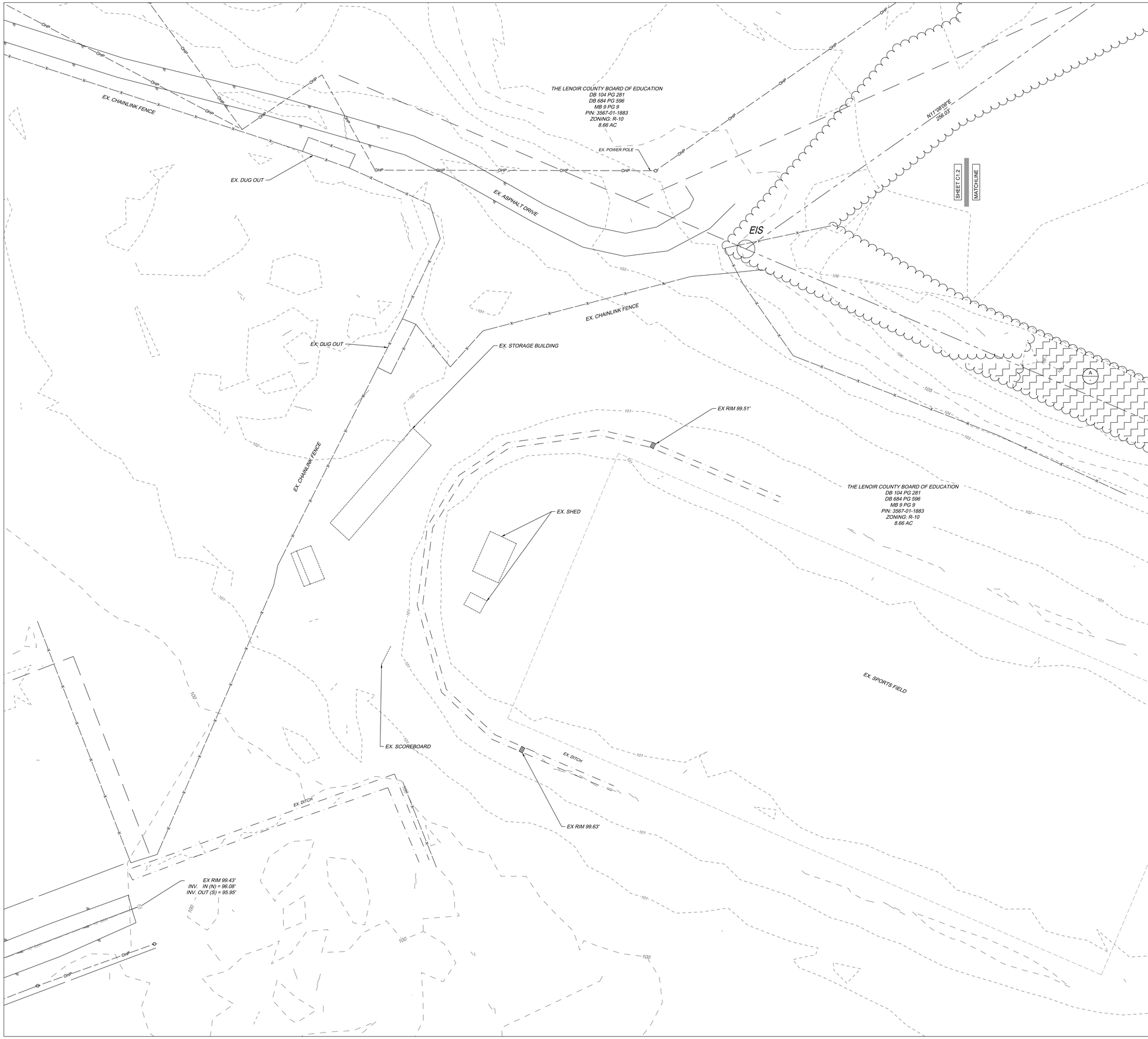
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EXISTING CONDITIONS & DEMOLITION PLAN

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## DEMOLITION NOTES

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# EB Frink Middle School

405 North Charles Street
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EXISTING CONDITIONS & DEMOLITION PLAN

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**PROVIDE FENCING AS NECESSARY FOR THE SAFETY AND PROTECTION OF STAFF AND VISITORS**

LIMITS OF DISTURBANCE:
23.61 AC

GENERAL EROSION AND SEDIMENT CONTROL NOTES:

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2. A COPY OF THE APPROVED EROSION CONTROL PLAN MUST BE ON FILE AT THE JOB SITE AT ALL TIMES.
3. FAILURE TO FOLLOW THE APPROVED PLAN SEQUENCE AND DETAILS COULD SUBJECT THE CONTRACTOR TO FINES AND PENALTIES ISSUED BY NCDEQ.
4. FIELD VERIFY ALL DIMENSIONS AND GRADES ON THESE PLANS PRIOR TO CONSTRUCTION. FAILURE TO NOTIFY THE OWNER OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH PLAN OR GRADE CHANGES, MAY RESULT IN NO EXTRA COMPENSATION PAID TO THE CONTRACTOR FOR ANY WORK DONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY.
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7. CONTRACTOR SHALL ENSURE THAT ALL TEMPORARY DIVERSIONS ARE INSTALLED WITH POSITIVE DRAINAGE AND SHALL OPPOSE EXISTING GRADE WHEN NECESSARY TO PROVIDE A MINIMUM OF 0.5% LONGITUDINAL SLOPE.
8. ALL ADJACENT ROADS TO THE SITE ARE TO BE SWEPT AND WASHED AT THE END OF EACH WORK DAY TO ENSURE NO SEDIMENT COLLECTS ON THE ROADWAYS.
9. INSPECT AND PROPERLY MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES WEEKLY AND AFTER EVERY RAINFALL EVENT.
10. CONCRETE WASH-OUTS MUST BE LOCATED AT LEAST 50' FROM ALL DRAINAGE STRUCTURES, CHANNELS AND DRAINAGE WAYS.
11. ALL AREAS OUTSIDE OF LIMITS OF CONSTRUCTION SHALL REMAIN UNDISTURBED.

PHASE I EROSION CONTROL CONSTRUCTION SEQUENCE:

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3. CONDUCT A PRE-CONSTRUCTION CONFERENCE WITH NCDEQ, LA GRANGE PUBLIC UTILITIES, OWNER, AND CIVIL ENGINEER.
4. INSTALL CONSTRUCTION ENTRANCE, PERIMETER CONTROL MEASURES, AND CONCRETE WASHOUT AS SHOWN ON PHASE I EROSION CONTROL DRAWING. CLEAN ONLY AS NECESSARY TO INSTALL PHASE I EROSION CONTROL MEASURES.
5. INSTALL TEMP. SEDIMENT BASINS BASINS AND ASSOCIATED TEMPORARY DIVERSION DITCHES AS SHOWN ON THIS DRAWING. SEED AND STRAW DIVERSIONS IMMEDIATELY UPON INSTALLATION.
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7. STRIP TOPSOIL AND STOCKPILE WITHIN CONSTRUCTION LIMITS.
8. MAINTAIN ALL INSTALLED PHASE I EROSION CONTROL MEASURES THROUGHOUT CONSTRUCTION AND PROCEED TO PHASE II EROSION CONTROL.

**EROSION CONTROL LEGEND**

| | |
|---|---|
| LOD | LIMITS OF DISTURBANCE |
| TP | TREE PROTECTION FENCE |
| | SILT FENCE |
| | SILT FENCE OUTLET |
| | DIVERSION DITCH |
| SB | SKIMMER BASIN |
| | CHECK DAM |
| TS | TEMPORARY SEEDING |

SHEET C2.2

SHEET C2.1

SCALE 1"=100'
0 100' 200'

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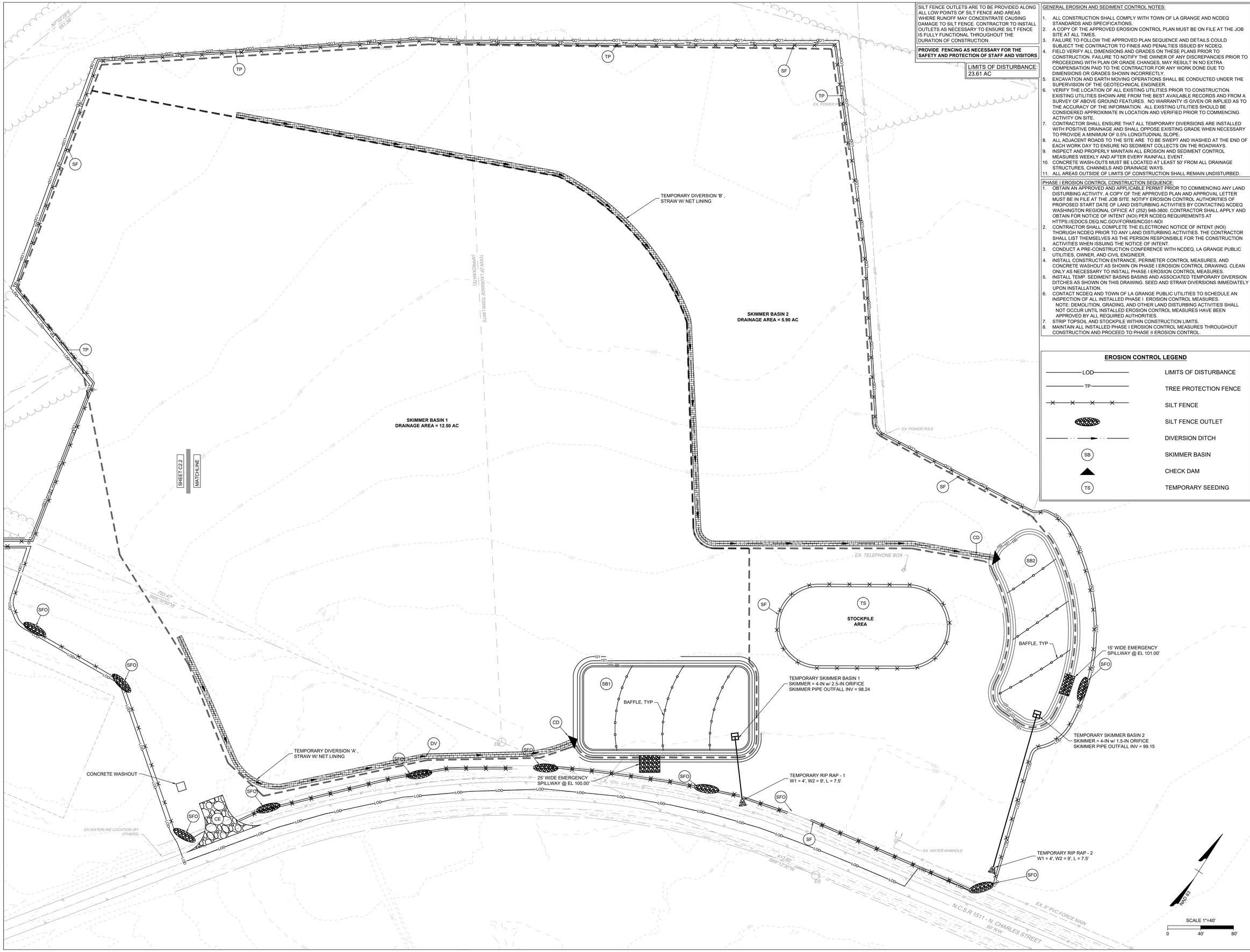
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OVERALL EROSION CONTROL PLAN - PHASE I

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LIMITS OF DISTURBANCE: 23.61 AC

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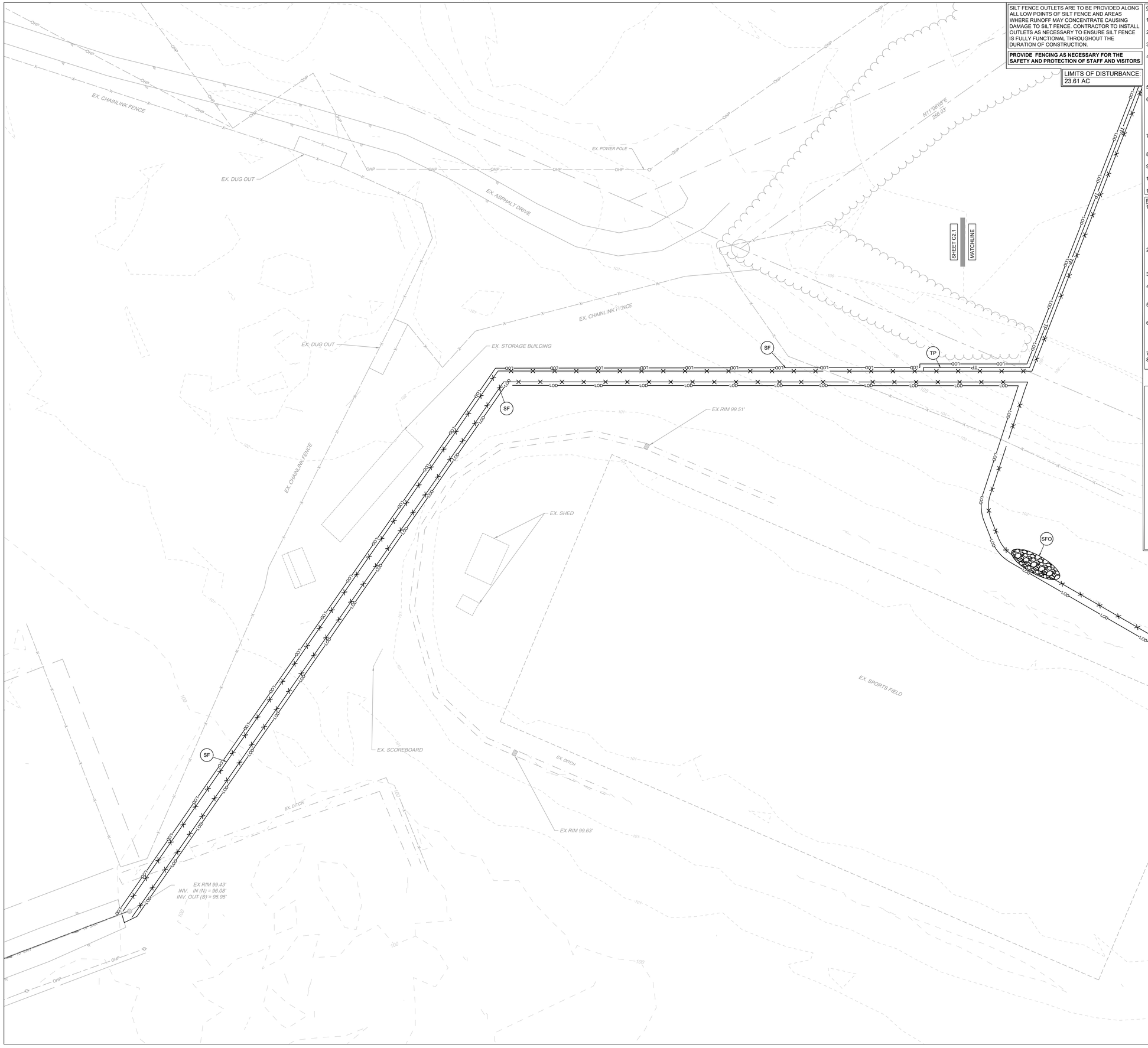
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EROSION CONTROL PLAN - PHASE I

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4. FIELD VERIFY ALL DIMENSIONS AND GRADES ON THESE PLANS PRIOR TO CONSTRUCTION. FAILURE TO NOTIFY THE OWNER OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH PLAN OR GRADE CHANGES, MAY RESULT IN NO EXTRA COMPENSATION PAID TO THE CONTRACTOR FOR ANY WORK DONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY.
5. EXCAVATION AND EARTH MOVING OPERATIONS SHALL BE CONDUCTED UNDER THE SUPERVISION OF THE GEOTECHNICAL ENGINEER.
6. VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. EXISTING UTILITIES SHOWN ARE FROM THE BEST AVAILABLE RECORDS AND FROM A SURVEY OF ABOVE GROUND FEATURES. NO WARRANTY IS GIVEN OR IMPLIED AS TO THE ACCURACY OF THE INFORMATION. ALL EXISTING UTILITIES SHOULD BE CONSIDERED APPROXIMATE IN LOCATION AND VERIFIED PRIOR TO COMMENCING ACTIVITY ON SITE.
7. CONTRACTOR SHALL ENSURE THAT ALL TEMPORARY DIVERSIONS ARE INSTALLED WITH POSITIVE DRAINAGE AND SHALL OPPOSE EXISTING GRADE WHEN NECESSARY TO PROVIDE A MINIMUM OF 0.5% LONGITUDINAL SLOPE.
8. ALL ADJACENT ROADS TO THE SITE ARE TO BE SWEPT AND WASHED AT THE END OF EACH WORK DAY TO ENSURE NO SEDIMENT COLLECTS ON THE ROADWAYS.
9. INSPECT AND PROPERLY MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES WEEKLY AND AFTER EVERY RAINFALL EVENT.
10. CONCRETE WASH-OUTS MUST BE LOCATED AT LEAST 50' FROM ALL DRAINAGE STRUCTURES, CHANNELS AND DRAINAGE WAYS.
11. ALL AREAS OUTSIDE OF LIMITS OF CONSTRUCTION SHALL REMAIN UNDISTURBED.

PHASE I EROSION CONTROL CONSTRUCTION SEQUENCE:

1. OBTAIN AN APPROVED AND APPLICABLE PERMIT PRIOR TO COMMENCING ANY LAND DISTURBING ACTIVITY. A COPY OF THE APPROVED PLAN AND APPROVAL LETTER MUST BE IN FILE AT THE JOB SITE. NOTIFY EROSION CONTROL AUTHORITIES OF PROPOSED START DATE OF LAND DISTURBING ACTIVITIES BY CONTACTING NCDEQ WASHINGTON REGIONAL OFFICE AT (252) 948-3800. CONTRACTOR SHALL APPLY AND OBTAIN FOR NOTICE OF INTENT (NOI) PER NCDEQ REQUIREMENTS AT HTTPS://EDOCS.DEQ.NC.GOV/FORMS/NOG01-NOI
2. CONTRACTOR SHALL COMPLETE THE ELECTRONIC NOTICE OF INTENT (NOI) THORUGH NCDEQ PRIOR TO ANY LAND DISTURBING ACTIVITIES. THE CONTRACTOR SHALL LIST THEMSELVES AS THE PERSON RESPONSIBLE FOR THE CONSTRUCTION ACTIVITIES WHEN ISSUING THE NOTICE OF INTENT.
3. CONDUCT A PRE-CONSTRUCTION CONFERENCE WITH NCDEQ, LA GRANGE PUBLIC UTILITIES, OWNER, AND CIVIL ENGINEER.
4. INSTALL CONSTRUCTION ENTRANCE, PERIMETER CONTROL MEASURES, AND CONCRETE WASHOUT AS SHOWN ON PHASE I EROSION CONTROL DRAWING. CLEAN ONLY AS NECESSARY TO INSTALL PHASE I EROSION CONTROL MEASURES.
5. INSTALL TEMP. SEDIMENT BASINS BASINS AND ASSOCIATED TEMPORARY DIVERSION DITCHES AS SHOWN ON THIS DRAWING. SEED AND STRAW DIVERSIONS IMMEDIATELY UPON INSTALLATION.
6. CONTACT NCDEQ AND TOWN OF LA GRANGE PUBLIC UTILITIES TO SCHEDULE AN INSPECTION OF ALL INSTALLED PHASE I EROSION CONTROL MEASURES. NOTE: DEMOLITION, GRADING, AND OTHER LAND DISTURBING ACTIVITIES SHALL NOT OCCUR UNTIL INSTALLED EROSION CONTROL MEASURES HAVE BEEN APPROVED BY ALL REQUIRED AUTHORITIES.
7. STRIP TOPSOIL AND STOCKPILE WITHIN CONSTRUCTION LIMITS.
8. MAINTAIN ALL INSTALLED PHASE I EROSION CONTROL MEASURES THROUGHOUT CONSTRUCTION AND PROCEED TO PHASE II EROSION CONTROL.

**EROSION CONTROL LEGEND**

| | |
|---|---|
| LOD | LIMITS OF DISTURBANCE |
| TP | TREE PROTECTION FENCE |
| | SILT FENCE |
| | SILT FENCE OUTLET |
| | DIVERSION DITCH |
| SB | SKIMMER BASIN |
| | CHECK DAM |
| TS | TEMPORARY SEEDING |

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405 North Charles Street
La Grange NC, 28511

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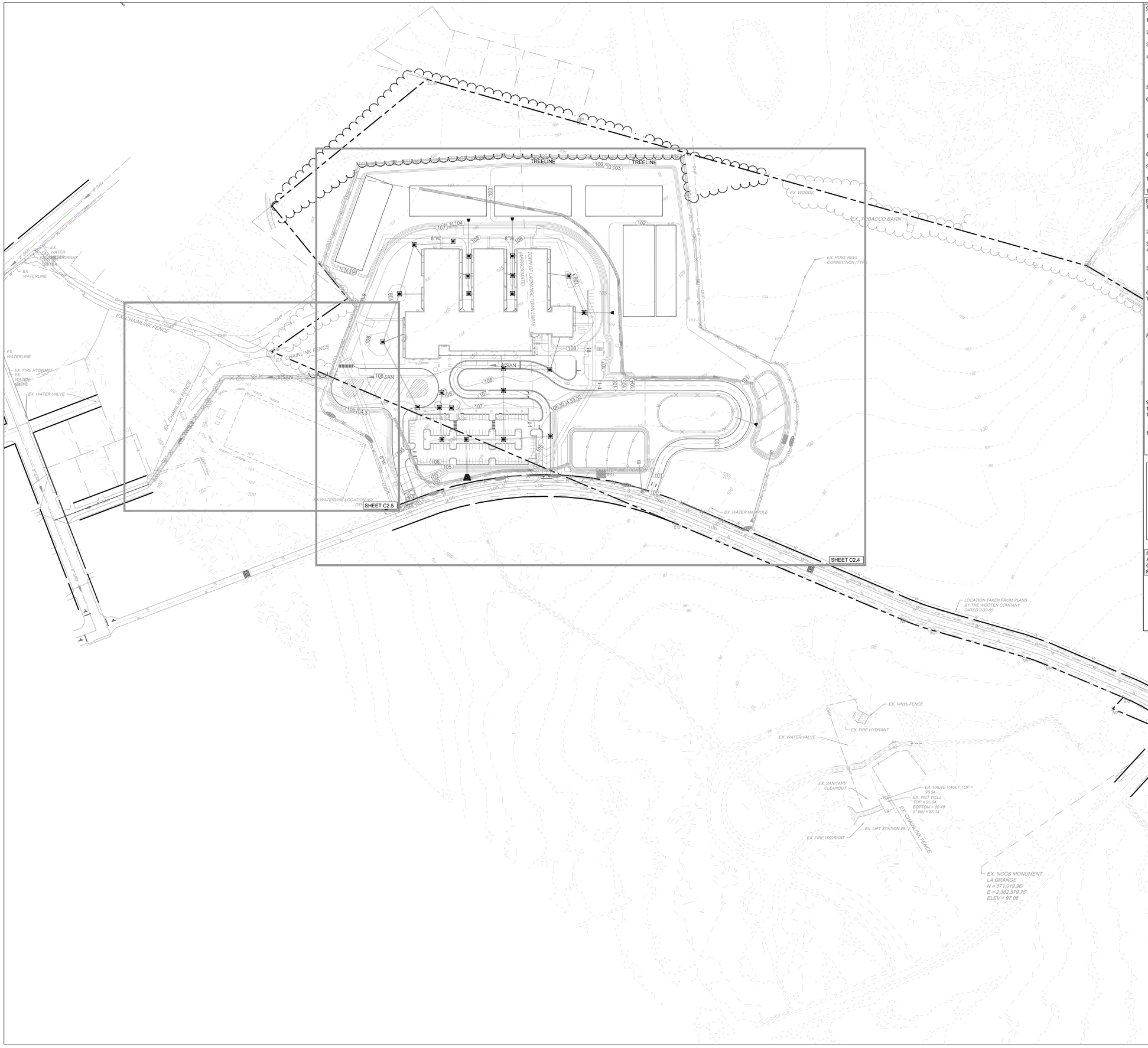
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EROSION CONTROL PLAN - PHASE I

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11. ALL AREAS OUTSIDE OF LIMITS OF CONSTRUCTION SHALL REMAIN UNDISTURBED.

PHASE II EROSION CONTROL CONSTRUCTION SEQUENCE:

1. MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES IN GOOD WORKING ORDER. SILT FENCE AND OTHER SIMILAR MEASURES MUST BE CLEANED OUT BEFORE THEY ARE HALF FULL. CLOGGED STONE FILTERS MUST BE REFRESHED/REPLACED. SILT FENCE CANNOT HAVE HOLES OR TEARS.
2. IMPORTED MATERIAL WILL REQUIRE A PERMITTED SITE APPROVAL BEFORE THIS PROCESS BEGINS.
3. BEGIN GRADING AND CONSTRUCTION ON PROPOSED BUILDING.
4. BEGIN TO INSTALL STORM DRAINAGE SYSTEM AS SHOWN ON DRAWINGS. PIPE INLET PROTECTION SHALL BE UTILIZED AT THE END OF EACH WORK DAY TO ENSURE PIPE NETWORK IS NOT INUNDATED WITH SEDIMENT.
5. BEGIN TO INSTALL SITE IMPROVEMENTS, WATER MAINS, AND UTILITY SERVICES AS SHOWN ON DRAWINGS. ALL OPEN TRENCHES FOR UTILITY AND STORMWATER INSTALLATION SHALL BE PROTECTED FROM SEDIMENTATION BY PILING EXCAVATION MATERIAL ON THE UPHILL SITE OF EXCAVATION.
6. BEGIN FINE GRADING OF SITE UPON COMPLETION OF UTILITY INSTALLATION.
7. INSTALL ADEQUATE EROSION AND SEDIMENT CONTROL MEASURES AND/OR INCREASE MAINTENANCE FREQUENCY WHERE APPROVED MEASURES FAIL TO PREVENT ACCELERATION EROSION, OFF-SITE SEDIMENTATION, OR REPETITIVE NON-COMPLIANCE ISSUES. ALL MEASURES MUST BE INSTALLED PER DRAWING DETAIL. ENSURE CONSTRUCTION TRAFFIC IS LIMITED TO THE CONSTRUCTION ENTRANCE ONLY.
8. GROUND COVER SHALL BE PROVIDED AS FOLLOWS:
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12. MODIFICATIONS TO THE APPROVED AND PERMITTED PLANS SHALL BE APPROVED BY EROSION CONTROL INSPECTIONS PRIOR TO THE REMOVAL OR INSTALLED. CONTACT THE EROSION CONTROL INSPECTIONS PRIOR TO REMOVAL OR INSTALLATION. CONTACT THE EROSION CONTROL INSPECTOR TO OBTAIN SIGN-OFF ON THE PLAN.

PHASE II EROSION CONTROL LEGEND

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- OUTLET PROTECTION
- PS — PERMANENT SEEDING

SILT FENCE OUTLETS ARE TO BE PROVIDED ALONG ALL LOW POINTS OF SILT FENCE AND AREAS WHERE RUNOFF MAY CONCENTRATE CAUSING DAMAGE TO SILT FENCE. CONTRACTOR TO INSTALL OUTLETS AS NECESSARY TO ENSURE SILT FENCE IS FULLY FUNCTIONAL THROUGHOUT THE DURATION OF CONSTRUCTION.

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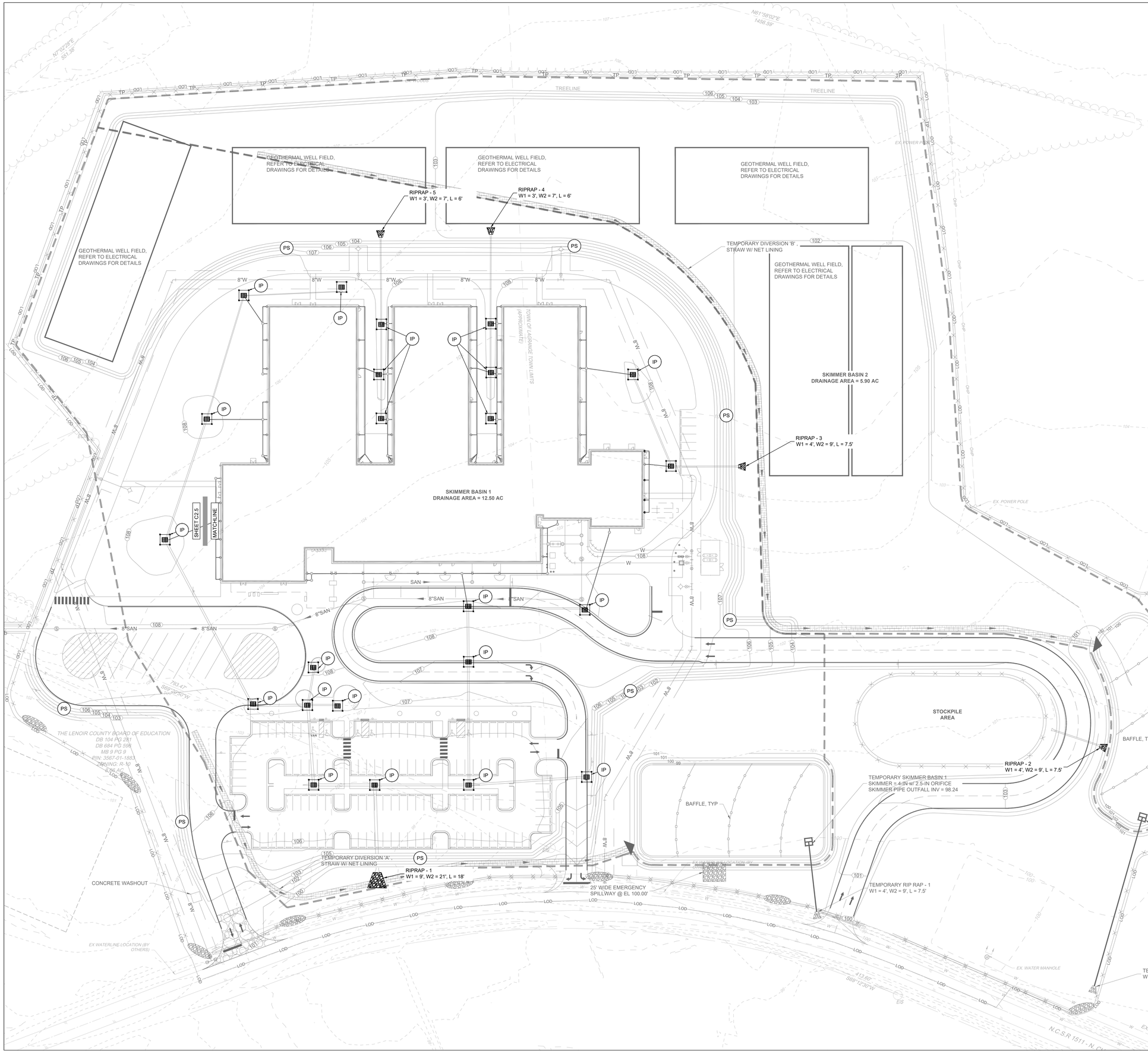
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OVERALL EROSION CONTROL PLAN - PHASE II

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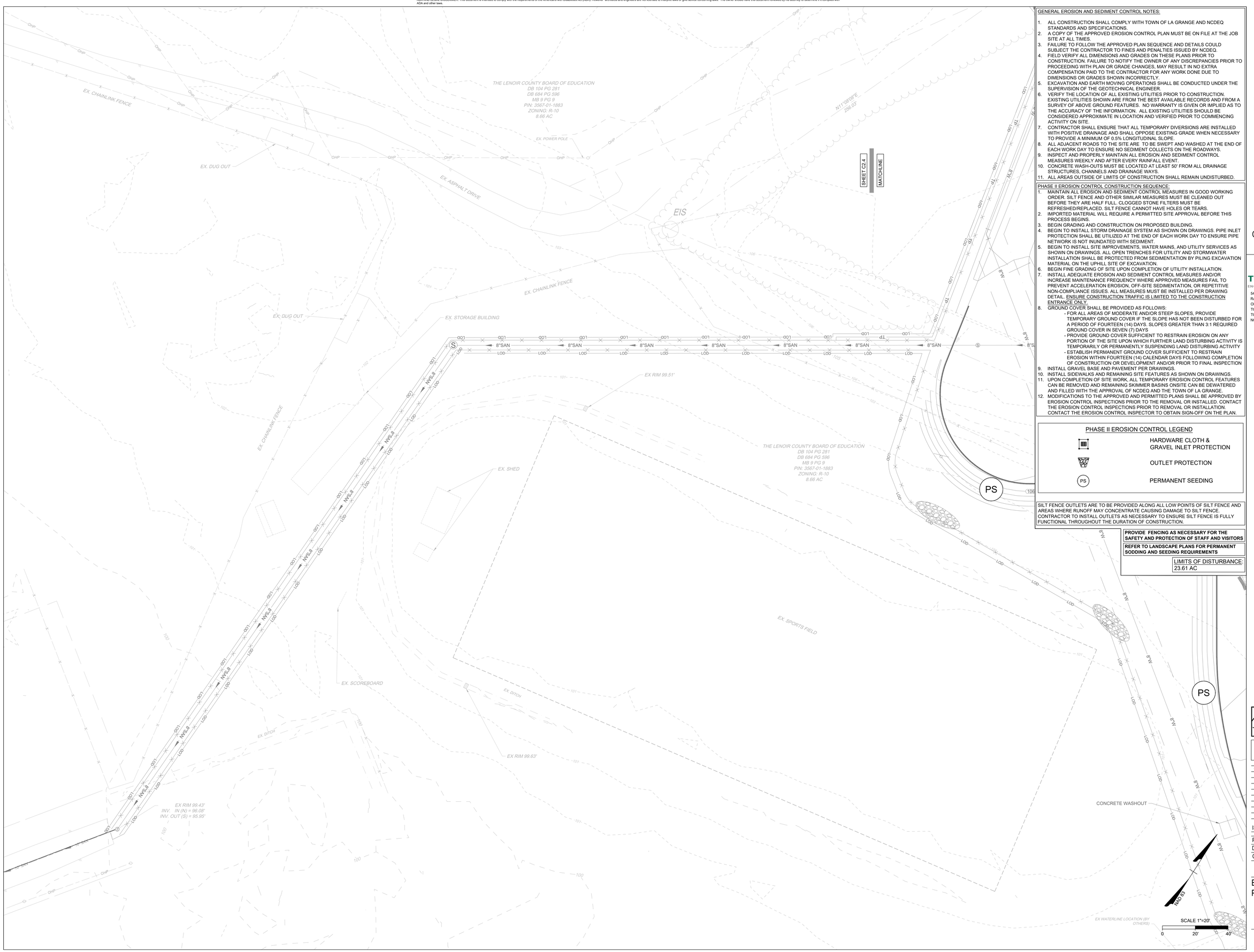
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ERODSION CONTROL PLAN - PHASE II

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11. UPON COMPLETION OF SITE WORK, ALL TEMPORARY EROSION CONTROL FEATURES CAN BE REMOVED AND REMAINING SKIMMER BASINS ONSITE CAN BE DEWATERED AND FILLED WITH THE APPROVAL OF NCDEQ AND THE TOWN OF LA GRANGE.
12. MODIFICATIONS TO THE APPROVED AND PERMITTED PLANS SHALL BE APPROVED BY EROSION CONTROL INSPECTIONS PRIOR TO THE REMOVAL OR INSTALLED. CONTACT THE EROSION CONTROL INSPECTIONS PRIOR TO REMOVAL OR INSTALLATION. CONTACT THE EROSION CONTROL INSPECTOR TO OBTAIN SIGN-OFF ON THE PLAN.

## PHASE II EROSION CONTROL LEGEND

- HARDWARE CLOTH & GRAVEL INLET PROTECTION
- OUTLET PROTECTION
- PS — PERMANENT SEEDING

SILT FENCE OUTLETS ARE TO BE PROVIDED ALONG ALL LOW POINTS OF SILT FENCE AND AREAS WHERE RUNOFF MAY CONCENTRATE CAUSING DAMAGE TO SILT FENCE. CONTRACTOR TO INSTALL OUTLETS AS NECESSARY TO ENSURE SILT FENCE IS FULLY FUNCTIONAL THROUGHOUT THE DURATION OF CONSTRUCTION.

**PROVIDE FENCING AS NECESSARY FOR THE SAFETY AND PROTECTION OF STAFF AND VISITORS**

**REFER TO LANDSCAPE PLANS FOR PERMANENT SODDING AND SEEDING REQUIREMENTS**

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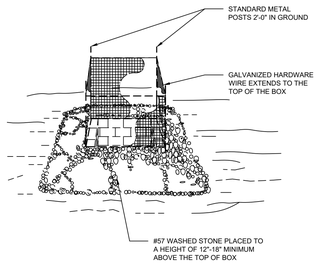
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EROSION CONTROL PLAN - PHASE II

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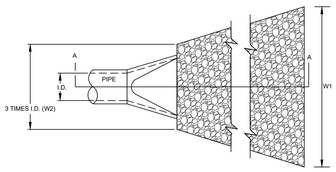
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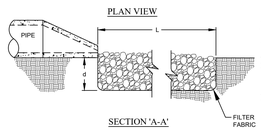



NOTE:
1. INSPECT INLET PROTECTION AND REMOVE SEDIMENT AFTER EACH RAIN EVENT. GRAVEL SHOULD BE REPLACED AND REPAIRS MADE AS NEEDED.

1 YARD INLET PROTECTION N.T.S.




MAINTENANCE
RIP RAP SHOULD BE INSPECTED PERIODICALLY FOR SCOUR OR DISLODGED STONES. CONTROL OF WEED AND BRUSH GROWTH MAY BE NEEDED IN SOME LOCATIONS.

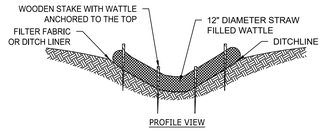


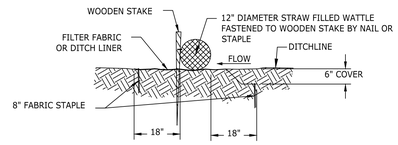

NOTES:
1. L = THE LENGTH OF THE RIPRAP APRON.
2. d = 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6" (INCHES).
3. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIPRAP AND SOIL FOUNDATION.
4. MAINTAIN ENERGY DISSIPATERS INSTALLED DURING EARLY SITE WORK THROUGHOUT THE CONSTRUCTION AREA.

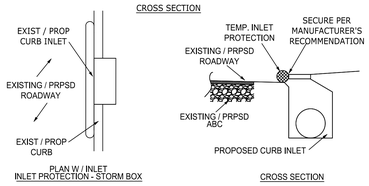
ENERGY DISSIPATER SCHEDULE

| | PIPE SIZE | W1 (FT) | W2 (FT) | LENGTH (FT) | THICKNESS (IN). (d) | D50 SIZE (IN.) | STONE CLASS |
|---|---|---|---|---|---|---|---|
| RR-1 | 36" | 9.0 | 18.0 | 21.0 | 12 | 3 | A |
| RR-2 | 15" | 4.0 | 7.5 | 9.0 | 12 | 3 | A |
| RR-3 | 15" | 4.0 | 7.5 | 9.0 | 12 | 3 | A |
| RR-4 | 12" | 3.0 | 6.0 | 7.0 | 12 | 3 | A |
| RR-5 | 12" | 3.0 | 6.0 | 7.0 | 12 | 3 | A |
| TRR-1 | 15" | 4.0 | 7.5 | 9.0 | 12 | 3 | A |
| TRR-2 | 15" | 4.0 | 7.5 | 9.0 | 12 | 3 | A |

2 RIPRAP OUTLET PROTECTION N.T.S.



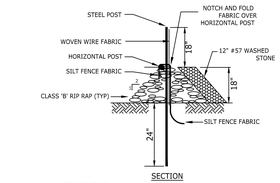



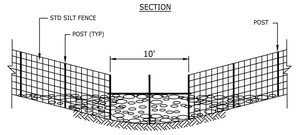




NOTES:
1. WATTLES SHALL BE FILLED WITH STRAW OR OTHER APPROVED MATERIAL.
2. SPACING FOR WATTLES SHALL BE AS SHOWN ON EROSION CONTROL PLAN.
3. STAKE IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.
4. THE SOCK SHALL BE PRODUCED FROM A 5 MIL THICK CONTINUOUS POLYPROPYLENE, WOVEN INTO A TUBULAR MESH NETTING MATERIAL, WITH OPENINGS IN THE KNITTED MESH OF 1/8"TO 3/8" OPENINGS.
5. HARDWOOD 2"x2" STAKES SHALL BE DRIVEN THROUGH CENTER OF COMPOST SOCK AT 4' O.C. MAXIMUM SPACING ANGLED UP SLOPE.

MAINTENANCE NOTES:
1. INSPECT COMPOST SOCKS WEEKLY AND AFTER EACH SIGNIFICANT RAINFALL EVENT (1/2 INCH OR GREATER).
2. REMOVE ACCUMULATED SEDIMENT AND ANY DEBRIS. THE COMPOST SOCK MUST BE REPLACED IF CLOGGED OR TORN.
3. IF PONDING BECOMES EXCESSIVE, THE SOCK MAY NEED TO BE REPLACED WITH A LARGER DIAMETER OR A DIFFERENT MEASURE.
4. THE SOCK NEEDS TO BE REINSTALLED IF UNDERMINED OR DISLODGED.
5. THE COMPOST SOCK SHALL BE INSPECTED UNTIL LAND DISTURBANCE IS COMPLETE AND THE AREA ABOVE THE MEASURE HAS BEEN PERMANENTLY STABILIZED.

3 TEMPORARY WATTLE N.T.S.

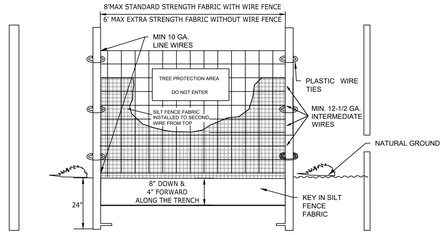


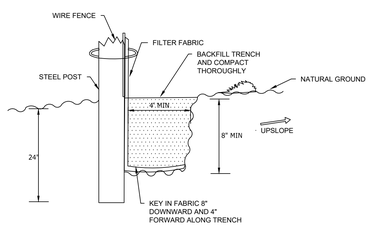




NOTES:
1. INSTALL SILT FENCE PER STD. SILT FENCE DETAIL.
2. LOCATE REINFORCED OUTLET AT LOW POINTS OF SILT FENCE BARRIER.

MAINTENANCE NOTES:
1. REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE/OUTLET. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT. REMOVE & REPLACE STONE AS NECESSARY AS IT BECOMES CLOGGED WITH SEDIMENT.
2. REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

4 REINFORCED SILT FENCE OUTLET N.T.S.

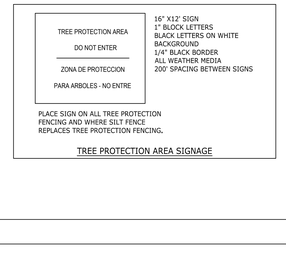



SILT FENCE KEY-IN DETAIL

INSTALLATION SPECIFICATIONS:
1. THE BASE OF BOTH END POSTS SHOULD BE AT LEAST ON FOOT HIGHER THAN THE MIDDLE OF THE FENCE. CHECK WITH A LEVEL IF NECESSARY.
2. INSTALL POSTS 4 FEET APART IN CRITICAL AREAS AND 6 FEET APART ON STANDARD APPLICATIONS.
3. INSTALL POSTS 2 FEET DEEP ON THE DOWNSTREAM SIDE OF THE SILT FENCE, AND AS CLOSE AS POSSIBLE TO THE FABRIC, ENABLING POSTS TO SUPPORT THE FABRIC FROM UPSTREAM WATER PRESSURE.
4. INSTALL POSTS WITH THE NIPPLES FACING AWAY FROM THE SILT FABRIC.
5. ATTACH THE FABRIC TO EACH POST WITH THREE TIES, ALL SPACED WITHIN THE TOP 8 INCHES OF THE FABRIC. ATTACH EACH TIE DIAGONALLY 45 DEGREES THROUGH THE FABRIC, WITH EACH PUNCTURE AT LEAST 1 INCH VERTICALLY APART. ALSO, EACH TIE SHOULD BE POSITIONED TO HANG ON A POST NIPPLE WHEN TIGHTENED TO PREVENT SAGGING.
6. WRAP APPROXIMATELY 6 INCHES OF FABRIC AROUND THE END POSTS AND SECURE WITH 3 TIES.
7. NO MORE THAN 24 INCHES OF A 36 INCH FABRIC IS ALLOWED ABOVE GROUND LEVEL.
8. THE INSTALLATION SHOULD BE CHECKED AND CORRECTED FOR ANY DEVIATIONS BEFORE COMPACTION.
9. COMPACTION IS VITALLY IMPORTANT FOR EFFECTIVE RESULTS. COMPACT THE SOIL IMMEDIATELY NEXT TO THE SILT FENCE WITH THE FRONT WHEEL OF THE TRACTOR, SKID STEER, OR ROLLER EXERTING AT LEAST 60 POUNDS PER SQUARE INCH. COMPACT THE UPSTREAM SIDE FIRST, AND THEN EACH SIDE TWICE FOR A TOTAL OF FOUR TRIPS.
10. TREE PROTECTION SIGNS ARE TO BE PLACED EVERY 50-FT AND FENCE MUST REMAIN UNTIL CLOSEOUT OF PROJECT.

MAINTENANCE:
1. INSPECT SEDIMENT FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.
2. SHOULD THE FABRIC OF A SEDIMENT FENCE COLLAPSE, TEAR, DECOMPOSE, OR BECOME INEFFECTIVE, REPLACE IT IMMEDIATELY.
3. REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE, TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT.
4. REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.



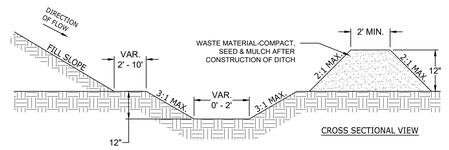

TREE PROTECTION AREA SIGNAGE

5 SILT FENCE N.T.S.

MAINTENANCE

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

NOTES:
1. TEMPORARY DIVERSION DITCH TO BE USED TO INTERCEPT FLOW AND/OR DIVERT TO A SEDIMENT CONTROL MEASURE OR SCM.
2. SILT SHALL BE REMOVED WHEN DITCH IS ONE-HALF FULL.
3. DITCH SHALL BE RECONSTRUCTED WHEN DAMAGED BY EQUIPMENT OR COVERED BY FILL.
4. STABILIZE DIVERSION DITCH BERM WITH TEMPORARY SEEDING, MULCH WITH TAC, AND/OR EROSION CONTROL NETTING.




| DITCH | TOTAL FLOW (CFS) | SLOPE (%) | BOTTOM WIDTH (FT) | RIGHT SLOPE (H:V) | LEFT SLOPE (H:V) | FLOW DEPTH (FT) | TEMPORARY LINER | PERMANENT LINER |
|---|---|---|---|---|---|---|---|---|
| TDD - A | 33.78 | 0.28 | 0 | 3:1 | 3:1 | 0.40 | STRAW W/ NET | N/A |
| TDD - B | 24.38 | 0.39 | 0 | 3:1 | 3:1 | 0.40 | STRAW W/ NET | N/A |
| | | | | | | | | |

*SWALES HAVE BEEN DESIGNED USING RAINFALL INTENSITY FOR THE 10-YEAR STORM ACCORDING TO THE NCDENR EROSION CONTROL MANUAL.

6 DIVERSION DITCH / BERM N.T.S.




CONSTRUCTION NOTES:
1. ENTRANCE(S) SHALL BE LOCATED TO PROVIDE MAXIMUM UTILITY BY ALL CONSTRUCTION VEHICLES.
2. TURNING RADIUS SUFFICIENT TO ACCOMMODATE LARGE TRUCKS SHALL TO BE PROVIDED.
3. ENTRANCES MUST BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR DIRECT FLOW OF MUD ONTO STREETS. PERIODIC TOPDRESSING WITH STONE WILL BE NECESSARY. CONTRACTOR SHALL MAINTAIN AS NECESSARY.
4. ANY MATERIAL WHICH STILL MAKES IT ONTO THE ROAD MUST BE CLEANED UP IMMEDIATELY.
5. FREQUENT CHECKS OF THE ENTRANCE(S) AND TIMELY MAINTENANCE SHALL BE PROVIDED.
6. NOTES ARE APPLICABLE AT ALL POINTS OF INGRESS AND EGRESS UNTIL SITE IS STABILIZED.

MAINTENANCE NOTES:
1. MAINTAIN THE GRAVEL PAD IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE SITE. MAY REQUIRE PERIODIC TOPDRESSING WITH 2"CH STONE.
2. IMMEDIATELY REMOVE ALL OBJECTIONABLE MATERIALS SPILLED, WASHED OR TRACKED ONTO PUBLIC ROADWAYS..

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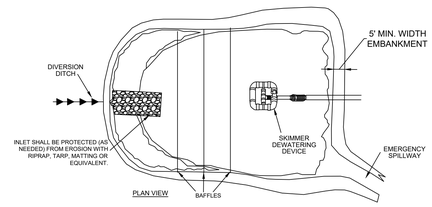
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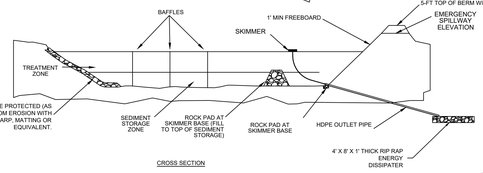
EROSION CONTROL NOTES & DETAILS

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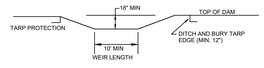
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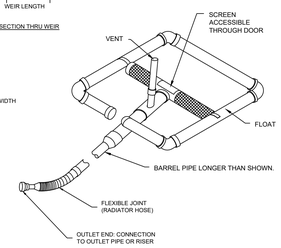



BASIN NOTES:
BASIN SIDES AND WEIR SHALL HAVE MAXIMUM SLOPES OF 2:1 OR FLATTER. DIMENSIONS SHOWN ARE AT WEIR ELEVATION OF BASIN VOLUMES PROVIDED ARE BASED ON AVAILABLE VOLUME AT THE PRINCIPAL SPILLWAY




SECTION THRU WEIR




MAINTENANCE NOTES:

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

REPAIR THE BAFFLES IF THEY ARE DAMAGED. RE-ANCHOR THE BAFFLES IF WATER IS FLOWING UNDERNEATH OR AROUND THEM. IF THE SKIMMER IS CLOGGED WITH TRASH AND THERE IS WATER IN THE BASIN, USUALLY JERKING ON THE ROPE WILL MAKE THE SKIMMER BOB UP AND DOWN AND DISLODGE THE DEBRIS AND RESTORE FLOW. IF THIS DOES NOT WORK, PULL THE SKIMMER OVER TO THE SIDE OF THE BASIN AND REMOVE THE DEBRIS. ALSO CHECK THE ORIFICE INSIDE THE SKIMMER TO SEE IF IT IS CLOGGED; IF SO REMOVE THE DEBRIS.

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

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

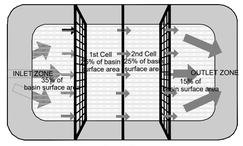
FREEZING WEATHER CAN RESULT IN ICE FORMING IN THE BASIN. SOME SPECIAL PRECAUTIONS SHOULD BE TAKEN IN THE WINTER TO PREVENT THE SKIMMER FROM PLUGGING WITH ICE.

CONSTRUCTION SEQUENCE

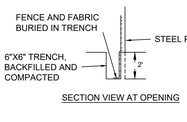
1. CLEAR, GRUB, AND STRIP THE AREA UNDER THE EMBANKMENT OF ALL VEGETATION AND ROOT MAT. REMOVE ALL SURFACE SOIL CONTAINING HIGH AMOUNTS OF ORGANIC MATTER AND STOCKPILE OR DISPOSE OF IT PROPERLY. HAUL ALL OBJECTIONABLE MATERIAL TO THE DESIGNATED DISPOSAL AREA. PLACE TEMPORARY SEDIMENT CONTROL MEASURES BELOW BASIN AS NEEDED.
2. ENSURE THAT FILL MATERIAL FOR THE EMBANKMENT IS FREE OF ROOTS, WOODY VEGETATION, ORGANIC MATTER, AND OTHER OBJECTIONABLE MATERIAL. PLACE THE FILL IN LIFTS NOT TO EXCEED 9 INCHES, AND MACHINE COMPACT IT. OVER FILL THE EMBANKMENT 6 INCHES TO ALLOW FOR SETTLEMENT.
3. SHAPE THE BASIN TO THE SPECIFIED DIMENSIONS. PREVENT THE SKIMMING DEVICE FROM SETTLING INTO THE MUD BY EXCAVATING A SHALLOW PIT UNDER THE SKIMMER OR PROVIDING A LOW SUPPORT UNDER THE SKIMMER OF STONE OR TIMBER.
4. PLACE THE BARREL (TYPICALLY 4-INCH SCHEDULE 40 PVC PIPE) ON A FIRM, SMOOTH FOUNDATION OF IMPERVIOUS SOIL. DO NOT USE PERVIOUS MATERIAL SUCH AS SAND, GRAVEL, OR CRUSHED STONE AS BACKFILL AROUND THE PIPE. PLACE THE FILL MATERIAL AROUND THE PIPE SPILLWAY IN 4-INCH LAYERS AND COMPACT IT UNDER AND AROUND THE PIPE TO AT LEAST THE SAME DENSITY AS THE ADJACENT EMBANKMENT. CARE MUST BE TAKEN NOT TO RAISE THE PIPE FROM THE FIRM CONTACT WITH ITS FOUNDATION WHEN COMPACTING UNDER THE PIPE HAUNCHES. PLACE A MINIMUM DEPTH OF 2 FEET OF COMPACTED BACKFILL OVER THE PIPE SPILLWAY BEFORE CROSSING IT WITH CONSTRUCTION EQUIPMENT. IN NO CASE SHOULD THE PIPE CONDUIT BE INSTALLED BY CUTTING A TRENCH THROUGH THE DAM AFTER THE EMBANKMENT IS COMPLETE.
5. ASSEMBLE THE SKIMMER FOLLOWING THE MANUFACTURERS INSTRUCTIONS, OR AS DESIGNED.
6. LAY THE ASSEMBLED SKIMMER ON THE BOTTOM OF THE BASIN WITH THE FLEXIBLE JOINT AT THE INLET OF THE BARREL PIPE. ATTACH THE FLEXIBLE JOINT TO THE BARREL PIPE AND POSITION THE SKIMMER OVER THE EXCAVATED PIT OR SUPPORT. BE SURE TO ATTACH A ROPE TO THE SKIMMER AND ANCHOR IT TO THE SIDE OF THE BASIN. THIS WILL BE USED TO PULL THE SKIMMER TO THE SIDE FOR MAINTENANCE.
7. EARTHEN SPILLWAYS--INSTALL THE SPILLWAY IN UNDISTURBED SOIL TO THE GREATEST EXTENT POSSIBLE. THE ACHIEVEMENT OF PLANNED ELEVATIONS, GRADE, DESIGN WIDTH, AND ENTRANCE AND EXIT CHANNEL SLOPES ARE CRITICAL TO THE SUCCESSFUL OPERATION OF THE SPILLWAY. THE SPILLWAY SHOULD BE LINED WITH LAMINATED PLASTIC OR IMPERMEABLE GEOTEXTILE FABRIC. THE FABRIC MUST BE WIDE AND LONG ENOUGH TO COVER THE BOTTOM AND SIDES AND EXTEND ONTO THE TOP OF THE DAM FOR ANCHORING IN A TRENCH. THE EDGES MAY BE SECURED WITH 8-INCH STAPLES OR PINS. THE FABRIC MUST BE LONG ENOUGH TO EXTEND DOWN THE SLOPE AND EXIT ONTO STABLE GROUND. THE WIDTH OF THE FABRIC MUST BE ONE PIECE, NOT JOINED OR SPLICED; OTHERWISE WATER CAN GET UNDER THE FABRIC. IF THE LENGTH OF THE FABRIC IS INSUFFICIENT FOR THE ENTIRE LENGTH OF THE SPILLWAY, MULTIPLE SECTIONS, SPANNING THE COMPLETE WIDTH, MAY BE USED. THE UPPER SECTION(S) SHOULD OVERLAP THE LOWER SECTION(S) SO THAT WATER CANNOT FLOW UNDER THE FABRIC. SECURE THE UPPER EDGE AND SIDES OF THE FABRIC IN A TRENCH WITH STAPLES OR PINS. (ADAPTED FROM "A MANUAL FOR DESIGNING, INSTALLING AND MAINTAINING SKIMMER SEDIMENT BASINS." FEBRUARY, 1999. J. W. FAIRCLOTH & SON.)
8. INLETS--DISCHARGE WATER INTO THE BASIN IN A MANNER TO PREVENT EROSION. USE TEMPORARY SLOPE DRAINS OR DIVERSIONS WITH OUTLET PROTECTION TO DIVERT SEDIMENT- LADEN WATER TO THE UPPER END OF THE POOL AREA TO IMPROVE BASIN TRAP EFFICIENCY (REFERENCES: RUNOFF CONTROL MEASURES AND OUTLET PROTECTION).
9. EROSION CONTROL--CONSTRUCT THE STRUCTURE SO THAT THE DISTURBED AREA IS MINIMIZED. DIVERT SURFACE WATER AWAY FROM BARE AREAS. COMPLETE THE EMBANKMENT BEFORE THE AREA IS CLEARED. STABILIZE THE EMERGENCY SPILLWAY EMBANKMENT AND ALL OTHER DISTURBED AREAS ABOVE THE CREST OF THE PRINCIPAL SPILLWAY IMMEDIATELY AFTER CONSTRUCTION (REFERENCES: SURFACE STABILIZATION).
10. INSTALL POROUS BAFFLES AS SPECIFIED IN PRACTICE 6.65
11. AFTER ALL THE SEDIMENT-PRODUCING AREAS HAVE BEEN PERMANENTLY STABILIZED, REMOVE THE STRUCTURE AND ALL THE UNSTABLE SEDIMENT. SMOOTH THE AREA TO BLEND WITH THE ADJOINING AREAS AND STABILIZE PROPERLY (REFERENCES: SURFACE STABILIZATION).

| BASIN NUMBER | DRAIN AREA(ACRES) | DISTB. AREA(ACRES) | PEAK FLOW(CFS) | BASIN SURFACE AREA(SF) | REQUIRED SURFACE AREA(SF) | BASIN VOLUME (CF) | REQUIRED BASIN VOLUME (CF) | SPILLWAY LENGTH (FT) | SKIMMER SIZE (IN.) | SKIMMER ORIFICE DIAMETER (IN.) | TOP OF BERM ELEV. | EMERGENCY SPILLWAY ELEV. | BOTTOM OF BASIN ELEV. | SIDE SLOPES | DEWATERING TIME (DAYS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12.50 | 23.53 | 65.69 | 22,532 | 21,349 | 41,939 | 22,500 | 25 | 4 | 2.5 | 101 | 100 | 98.50 | 3:1 | 2.70 |
| 2 | 5.90 | 23.53 | 29.17 | 15,390 | 9,481 | 14,575 | 10,620 | 15 | 4 | 1.5 | 102 | 101 | 100.00 | 3:1 | 3.54 |

## 1 SKIMMER BASIN N.T.S.



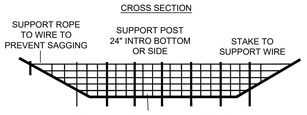

PLAN VIEW




SECTION VIEW AT OPENING

NOTES:
1. BAFFLE MATERIAL SHOULD BE SECURED AT THE BOTTOM AND SIDES USING STAPLES OR BY TRENCHING AS FOR SILT FENCE.
2. MOST OF THE SEDIMENT WILL ACCUMULATE IN THE 1ST BAY, WHICH SHOULD BE READILY ACCESSIBLE FOR MAINTENANCE.
3. PROVIDE 3 BAFFLES (USE TWO IF LESS THAN 20 FEET IN LENGTH). PROVIDE 5 BAFFLES FOR DRAINAGE AREAS GREATER THAN 10 ACRES.
4. BAFFLE SHALL BE 700 G/M2 COIR EROSION BLANKET.
5. TOPS OF BAFFLES SHOULD BE 2 INCHES LOWER THAN THE TOP OF THE BERMS
6. INSPECT BAFFLES FOR REPAIR ONCE A WEEK AND AFTER EACH RAINFALL

CROSS SECTION




MAINTENANCE
INSPECT BAFFLES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.

BE SURE TO MAINTAIN ACCESS TO THE BAFFLES. SHOULD THE FABRIC OF A BAFFLE COLLAPSE, TEAR, DECOMPOSE, OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY.

REMOVE SEDIMENT DEPOSITS WHEN IT REACHES HALF FULL TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE BAFFLES. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT. SEDIMENT DEPTH SHOULD NEVER EXCEED HALF THE DESIGNED STORAGE DEPTH.

REMOVE ALL BAFFLE MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

## 3 COIR MESH BAFFLES (NCDENR 6.65) N.T.S.

*NOTE: GRADED SLOPES AND FILLS SHALL BE PROTECTED WITH A ROLLED EROSION CONTROL PRODUCT IF COMPLETED OUTSIDE OF THE OPTIMUM GERMINATION SEASONS, WHEN UNFAVORABLE WEATHER CONDITIONS PREVENT ESTABLISHMENT OF VEGETATIVE GROUND COVER.

(TS) TEMPORARY SEEDING

SEEDING MIXTURE

"COOL SEASON" SEPTEMBER 1 - FEBRUARY 28

| SPECIES | RATE (lb/ACRE) |
|---|---|
| SOFT RED WINTER WHEAT | 120 |

"WARM SEASON" MARCH 1 - AUGUST 31

| SPECIES | RATE (lb/ACRE) |
|---|---|
| GERMAN, BROWN TOP, OR FOX TAIL MILLET | 65 |

SOIL AMENDMENTS

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

MULCH

APPLY 4,000 lb/ACRE STRAW. THE GROUND SHOULD BE COMPLETELY COVERED WITH NO BARE SPOT LARGER THAN A QUARTER, THEN TACKED WITH EMULSIFIED ASPHALT. EMULSIFIED ASPHALT SHALL BE APPLIED AT A RATE HEAVY ENOUGH THAT THE ENTIRE AREA APPEARS BLACK IN COLOR.

MAINTENANCE

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

**SEEDBED PREPARATION SEQUENCE**

1. LOOSEN SUBGRADE TO A MINIMUM DEPT OF 8 INCHES, REMOVE STONES LARGER THAN 1½ IN. IN ANY DIMENSION.
2. SPREAD TOPSOIL TO DEPTH REQUIRED TO MEET THICKNESS, GRADES AND ELEVATIONS SHOWN.
3. REMOVE AND DISPOSE OF EXISTING GRASS, VEGETATION AND TURF. TILL SURFACE SOIL TO A DEPTH OF AT LEAST 6 INCHES. APPLY REQUIRED SOIL AMENDMENTS AND INITIAL FERTILIZERS AND MIX THOROUGHLY INTO TOP 4 INCHES OF SOIL. TILL SOIL INTO A HOMOGENOUS MIXTURE OF FINE TEXTURE.
4. GRADE LAWN AND GRASS AREAS TO A SMOOTH, EVEN SURFACE WITH LOOSE, UNIFORMLY FINE TEXTURE. ROLL AND RAKE, REMOVE RIDGES, FILL DEPRESSIONS TO MEET FINISH GRADES.
5. PROVIDE SEEDING SCHEDULE

NOTES:
1. ENSURE SOIL COMPACTION REQUIREMENTS ARE MET PRIOR TO SEEDING. MINIMUM COMPACTION REQUIRED IS 95% OF THE STANDARD PROCTOR DENSITY FOR SLOPES UP TO 5%. MINIMUM COMPACTION REQUIRED IS 90% MAXIMUM DRY DENSITY ELSEWHERE INCLUDING ON SLOPES 4:1 OR STEEPER.
2. PROTECT SEEDED AREAS LESS THAN 3:1 SLOPE/GRADE AGAINST EROSION BY SPREADING STRAW MULCH AFTER COMPLETION OF SEEDING OPERATIONS. SPREAD UNIFORMLY AT A MINIMUM RATE OF 2 TONS PER ACRE TO FORM A CONTINUOUS BLANKET 1-1/2 INCHES LOOSE DEPTH OVER SEEDED AREAS. SPREAD BY HAND, BLOWER, OR OTHER SUITABLE EQUIPMENT.
3. INSPECT ALL SEEDED AREAS AND MAKE NECESSARY REPAIRS OR RESEEDINGS AS NEEDED.
4. SATISFACTORY LAWN: SEEDED LAWNS SHALL BE CONSIDERED SATISFACTORY/ACCEPTABLE PROVIDED REQUIREMENTS, INCLUDING MAINTENANCE, HAVE BEEN MET AND A HEALTHY, UNIFORM, CLOSE STAND OF GRASS IS ESTABLISHED, FREE OF WEEDS, BARE SPOTS EXCEEDING 5 BY 5 INCHES AND SURFACE IRREGULARITIES.

SOIL STABILIZATION SHALL BE ACHIEVED ON ANY AREA OF A SITE WHERE LAND-DISTURBING ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED ACCORDING TO THE FOLLOWING SCHEDULE:

1. ALL PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1) SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 7 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY.
2. ALL OTHER DISTURBED AREAS SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 14 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY.

(PS) PERMANENT SEEDING

PERMANENT SEEDINGS:

"COOL SEASON" SEPTEMBER 1 - FEBRUARY 28

PROVIDE TEMPORARY SEEDING UNTIL WARM SEASON CELEBRATION BERMUDA GRASS CAN BE PLANTED.

"WARM SEASON" MARCH 1 - AUGUST 31

| SPECIES | RATE (lb/ACRE) |
|---|---|
| CELEBRATION BERMUDA | 200 LB/ACRE |

SOIL AMENDMENTS

TILL SOIL TO A DEPTH OF 4". APPLY LIME AT A RATE OF 70 LB PER 100 SF, OR 1.5 TONS PER ACRE. APPLY 10-20-20 FERTILIZER AT A RATE OF 20 LBS PER 1000 SF OR 850 LBS PER ACRE. THE FERTILIZER SHOULD BE EITHER SLOW TIME RELEASE OR APPLIED IN TWO APPLICATIONS, HALF AT TIME OF PLANTING AND THE SECOND HALF AFTER PERMANENT SEED GERMINATES.

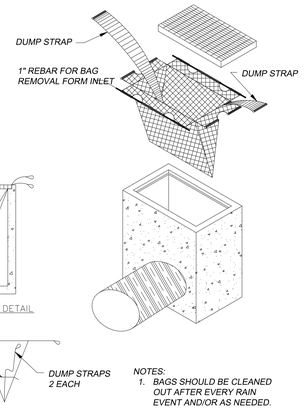
MULCH

APPLY 4,000 lb/ACRE STRAW. THE GROUND SHOULD BE COMPLETELY COVERED WITH NO BARE SPOT LARGER THAN A QUARTER, THEN TACKED WITH EMULSIFIED ASPHALT. EMULSIFIED ASPHALT SHALL BE APPLIED AT A RATE HEAVY ENOUGH THAT THE ENTIRE AREA APPEARS BLACK IN COLOR.

MAINTENANCE

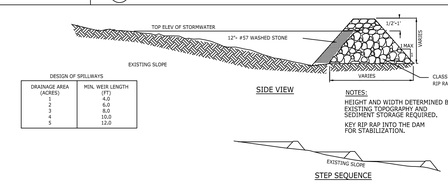
REFERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RE-SOD, RE-FERTILIZE, AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

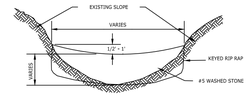
## 4 TEMPORARY / PERMANENT SEEDING SCHEDULE N.T.S.




NOTES:
1. BAGS SHOULD BE CLEANED OUT AFTER EVERY RAIN EVENT AND/OR AS NEEDED.

## 2 SILT-BAG INLET PROTECTION N.T.S.

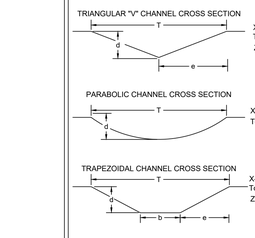



MAINTENANCE NOTES:
1. INSPECT CHECK PROTECTION WEEKLY AND AFTER 1/2" RAINFALL EVENT AND REPAIR IMMEDIATELY. REMOVE SEDIMENT STRAW, LIMBS, OR OTHER DEBRIS THAT COULD CLOG THE CHANNEL WHEN NEEDED.
2. IMMEDIATELY CORRECT ANY DAMAGE CAUSED BY SUBMERGED AND DEPOSITION ABOVE THE CHECK DAM AND FROM HIGH FLOWS AROUND THE EDGES.
3. REMOVE SEDIMENT ACCUMULATED BEHIND THE DAMS AS NEEDED TO PREVENT DAMAGE TO CHANNEL VEGETATION, ALLOW THE CHANNEL TO DRAINTHROUGH THE STONE CHECK DAM, AND PREVENT LARGE FLOWS FROM CARRYING SEDIMENT OVER THE DAM, ADD STONES TO DAMS AS NEEDED TO MAINTAIN DESIGN HEIGHT AND CROSS SECTION.

## 5 TEMPORARY ROCK CHECK DAM N.T.S.

DATE: PAGE:




NOTES:
1. At a minimum, grass-lined channels should carry peak runoff from the 10-year storm without eroding. Increase the capacity according to the potential damage if flood hazard exists.
2. If design velocity of the channel to be vegetated by seeding exceeds 2 feet per second, a temporary channel liner is required.
3. Channel side slopes should be 3:1 or flatter to aid in the establishment of vegetation and for maintenance. V-shaped channels along roadways should have side slopes of 6:1 or flatter for safety.
4. Remove all trees, brush, stumps, and other objectionable material from the foundation area, and dispose of properly.
5. Excavate the channel, and shape it to neat lines and dimensions shown on the plans plus a 0.2 foot overcut around the channel perimeter to allow for bulking during seedbed preparations and sod buildup.
6. Remove and properly dispose of all excess soil so that the surface water may enter the channel freely.
7. The procedure used to establish grass in the channel will depend upon the severity of the conditions and selection of species. Protect the channel with mulch or a temporary liner sufficient to withstand anticipated velocities during the establishment period.

Maintenance:
1. During the establishment period, check grass-lined channels after every rainfall.
2. After grass is established, periodically check the channel, check after heavy rainfall events and immediately make any necessary repairs.
3. Check the channel outlet and all road crossings for bank stability and evidence of piping or scour holes.
4. Remove all significant sediment accumulations to maintain the designed carrying capacity.
5. Keep grass in a healthy, vigorous condition at all times.

DEQ | GRASS-LINED CHANNELS | Effective Date: 9/1/2023 In accordance with the 2013 Design Manual Updates

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TG PROJECT #: 64339
NC LICENSE NO. C-1652

Lenoir County
EB Frink Middle School
405 North Charles Street
La Grange NC, 28551

ENERGY STAR PARTNER

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|---|---|---|
| 1 | 02/18/2025 | BID SET / AGENCY COM. |

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PROJECT #: 02303.000
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EROSION CONTROL NOTES & DETAILS

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## 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 > 50' IN LENGTH AND WITH SLOPES STEEPER THAN 4:1<br>-7 DAYS FOR PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES AND HQW ZONES<br>-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<br>-10 DAYS FOR FALLS LAKE WATERSHED UNLESS THERE IS ZERO SLOPE |

**NOTE:** AFTER THE PERMANENT CESSATION OF CONSTRUCTION ACTIVITIES, ANY AREAS WITH TEMPORARY GROUND STABILIZATION SHALL BE CONVERTED TO PERMANENT GROUND STABILIZATION AS SOON AS PRACTICABLE BUT IN NO CASE LONGER THAN 90 CALENDAR DAYS AFTER THE LAST LAND DISTURBING ACTIVITY. TEMPORARY GROUND STABILIZATION SHALL BE MAINTAINED IN A MANNER TO RENDER THE SURFACE STABLE AGAINST ACCELERATED EROSION UNTIL PERMANENT GROUND STABILIZATION IS ACHIEVED.

### GROUND STABILIZATION SPECIFICATION

STABILIZE THE GROUND SUFFICIENTLY SO THAT RAIN WILL NOT DISLODGE THE SOIL. USE ONE OF THE TECHNIQUES IN THE TABLE BELOW:

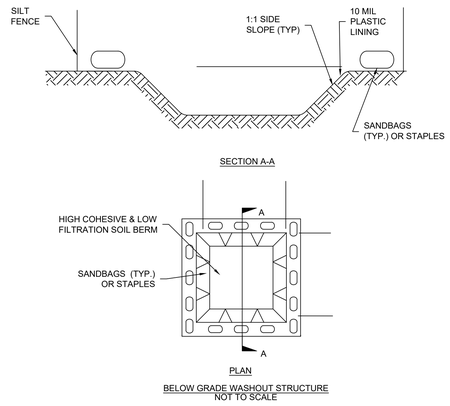
| TEMPORARY STABILIZATION | PERMANENT STABILIZATION |
|---|---|
| • TEMPORARY GRASS SEED COVERED WITH STRAW OR OTHER MULCHES AND TACKIFIERS<br>• HYDROSEEDING<br>• ROLLED EROSION CONTROL PRODUCTS WITH OR WITHOUT TEMPORARTY GRASS SEED<br>• APPROPRIATELY APPLIED STRAW OR OTHER MULCH<br>• PLASTIC SHEETING | • PERMANENT GRASS SEED COVERED WITH STRAW OR OTHER MULCHES AND TACKIFIERS<br>• GEOTEXTILE FABRICS SUCH AS PERMANENT SOIL REINFORCEMENT MATTING<br>• HYDROSEEDING<br>• SHRUBS OR OTHER PERMANENT PLANTINGS COVERED WITH MULCH<br>• UNIFORM AND EVENLY DISTRIBUTED GROUND COVER SUFFICIENT TO RESTRAIN EROSION<br>• STRUCTURAL METHODS SUCH AS CONCRETE, ASPHALT OR RETAINING WALLS<br>• ROLLED EROSION CONTROL PRODUCTS WITH GRASS SEED |

**POLYACRYLAMIDES (PAMS) AND FLOCCULANTS**

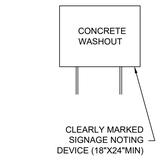
1. SELECT FLOCCULANTS THAT ARE APPROPRIATE FOR THE SOILS BEING EXPOSED DURING CONSTRUCTION, SELECTING FROM THE *NC DWR LIST OF APPROVED PAMS/FLOCCULANTS*.
2. APPLY FLOCCULANTS AT OR BEFORE THE INLETS TO EROSION AND SEDIMENT CONTROL MEASURES.
3. APPLY FLOCCULANTS AT THE CONCENTRATIONS SPECIFIED IN THE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

**EQUIPMENT AND VEHICLE MAINTENANCE**

1. MAINTAIN VEHICLES AND EQUIPMENT TO PREVENT DISCHARGE OF FLUIDS.
2. PROVIDE DRIP PANS UNDER ANY STORED EQUIPMENT.
3. IDENTIFY LEAKS AND REPAIR AS SOON AS FEASIBLE, OR REMOVE LEAKING EQUIPMENT FROM THE PROJECT.
4. COLLECT ALL SPENT FLUIDS, STORE IN SEPARATE CONTAINERS AND PROPERLY DISPOSE AS HAZARDOUS WASTE (RECYCLE WHEN POSSIBLE).
5. REMOVE LEAKING VEHICLES AND CONSTRUCTION EQUIPMENT FROM SERVICE UNTIL THE PROBLEM HAS BEEN CORRECTED.
6. BRING USED FUELS, LUBRICANTS, COOLANTS, HYDRAULIC FLUIDS AND OTHER PETROLEUM PRODUCTS TO A RECYCLING OR DISPOSAL CENTER THAT HANDLES THESE MATERIALS.




BELOW GRADE WASHOUT STRUCTURE
NOT TO SCALE



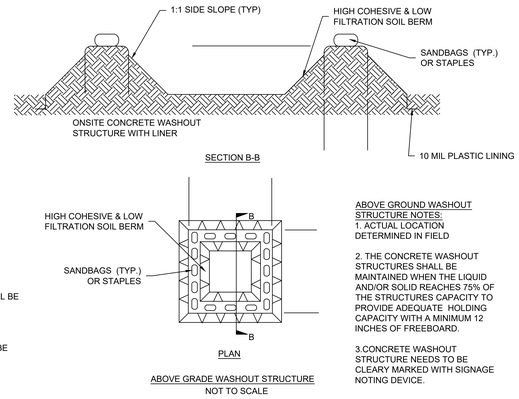

SIGNAGE FOR EITHER WASHOUT STRUCTURE

BELOW GROUND CONCRETE WASHOUT NOTES:

1. ACTUAL LOCATION DETERMINED IN FIELD

2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY.

3.CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.




ABOVE GRADE WASHOUT STRUCTURE
NOT TO SCALE

ABOVE GROUND WASHOUT STRUCTURE NOTES:
1. ACTUAL LOCATION DETERMINED IN FIELD

2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.

3.CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARY MARKED WITH SIGNAGE NOTING DEVICE.

**LITTER, BUILDING MATERIAL AND LAND CLEARING WASTE**

1. NEVER BURY OR BURN WASTE. PLACE LITTER AND DEBRIS IN APPROVED WASTE CONTAINERS.
2. PROVIDE A SUFFICIENT NUMBER AND SIZE OF WASTE CONTAINERS (E.G DUMPSTER, TRASH RECEPTACLE) ON SITE TO CONTAIN CONSTRUCTION AND DOMESTIC WASTES.
3. LOCATE WASTE CONTAINERS AT LEAST 50 FEET AWAY FROM STORM DRAIN INLETS AND SURFACE WATERS UNLESS NO OTHER ALTERNATIVES ARE REASONABLY AVAILABLE.
4. LOCATE WASTE CONTAINERS ON AREAS THAT DO NOT RECEIVE SUBSTANTIAL AMOUNTS OF RUNOFF FROM UPLAND AREAS AND DOES NOT DRAIN DIRECTLY TO A STORM DRAIN, STREAM OR WETLAND.
5. COVER WASTE CONTAINERS AT THE END OF EACH WORKDAY AND BEFORE STORM EVENTS OR PROVIDE SECONDARY CONTAINMENT. REPAIR OR REPLACE DAMAGED WASTE CONTAINERS.
6. ANCHOR ALL LIGHTWEIGHT ITEMS IN WASTE CONTAINERS DURING TIMES OF HIGH WINDS.
7. EMPTY WASTE CONTAINERS AS NEEDED TO PREVENT OVERFLOW. CLEAN UP IMMEDIATELY IF CONTAINERS OVERFLOW.
8. DISPOSE WASTE OFF-SITE AT AN APPROVED DISPOSAL FACILITY.
9. ON BUSINESS DAYS, CLEAN UP AND DISPOSE OF WASTE IN DESIGNATED WASTE CONTAINERS.

**PAINT AND OTHER LIQUID WASTE**

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

**PORTABLE TOILETS**

1. INSTALL PORTABLE TOILETS ON LEVEL GROUND, AT LEAST 50 FEET AWAY FROM STORM DRAINS, STREAMS OR WETLANDS UNLESS THERE IS NO ALTERNATIVE REASONABLY AVAILABLE. IF 50 FOOT OFFSET IS NOT ATTAINABLE, PROVIDE RELOCATION OF PORTABLE TOILET BEHIND SILT FENCE OR PLACE ON A GRAVEL PAD AND SURROUND WITH SAND BAGS.
2. PROVIDE STAKING OR ANCHORING OF PORTABLE TOILETS DURING PERIODS OF HIGH WINDS OR IN HIGH FOOT TRAFFIC AREAS.
3. MONITOR PORTABLE TOILETS FOR LEAKING AND PROPERLY DISPOSE OF ANY LEAKED MATERIAL. UTILIZE A LICENSED SANITARY WASTE HAULER TO REMOVE LEAKING PORTABLE TOILETS AND REPLACE WITH PROPERLY OPERATING UNIT.

**EARTHEN STOCKPILE MANAGEMENT**

1. SHOW STOCKPILE LOCATIONS ON PLANS. LOCATE EARTHEN-MATERIAL STOCKPILE AREAS AT LEAST 50 FEET AWAY FROM STORM DRAIN INLETS, SEDIMENT BASINS, PERIMETER SEDIMENT CONTROLS AND SURFACE WATERS UNLESS IT CAN BE SHOWN NO OTHER ALTERNATIVES ARE REASONABLY AVAILABLE.
2. PROTECT STOCKPILE WITH SILT FENCE INSTALLED ALONG TOE OF SLOPE WITH A MINIMUM OFFSET OF FIVE FEET FROM THE TOE OF STOCKPILE.
3. PROVIDE STABLE STONE ACCESS POINT WHEN FEASIBLE.
4. STABILIZE STOCKPILE WITHIN THE TIMEFRAMES PROVIDED ON THIS SHEET AND IN ACCORDANCE WITH THE APPROVED PLAN AND ANY ADDITIONAL REQUIREMENTS. SOIL STABILIZATION IS DEFINED AS VEGETATIVE, PHYSICAL OR CHEMICAL COVERAGE TECHNIQUES THAT WILL RESTRAIN ACCELERATED EROSION ON DISTURBED SOILS FOR TEMPORARY OR PERMANENT CONTROL NEEDS.

**CONCRETE WASHOUTS**

1. DO NOT DISCHARGE CONCRETE OR CEMENT SLURRY FROM THE SITE.
2. DISPOSE OF, OR RECYCLE SETTLED, HARDENED CONCRETE RESIDUE IN ACCORDANCE WITH LOCAL AND STATE SOLID WASTE REGULATIONS AND AT AN APPROVED FACILITY.
3. MANAGE WASHOUT FROM MORTAR MIXERS IN ACCORDANCE WITH THE ABOVE ITEM AND IN ADDITION PLACE THE MIXER AND ASSOCIATED MATERIALS ON IMPERVIOUS BARRIER AND WITHIN LOT PERIMETER SILT FENCE.
4. INSTALL TEMPORARY CONCRETE WASHOUTS PER LOCAL REQUIREMENTS, WHERE APPLICABLE. IF AN ALTERNATE METHOD OR PRODUCT IS TO BE USED, CONTACT YOUR APPROVAL AUTHORITY FOR REVIEW AND APPROVAL. IF LOCAL STANDARD DETAILS ARE NOT AVAILABLE, USE ONE OF THE TWO TYPES OF TEMPORARY CONCRETE WASHOUTS PROVIDED ON THIS DETAIL.
5. DO NOT USE CONCRETE WASHOUTS FOR DEWATERING OR STORING DEFECTIVE CURB OR SIDEWALK SECTIONS. STORMWATER ACCUMULATED WITHIN THE WASHOUT MAY NOT BE PUMPED INTO OR DISCHARGED TO THE STORM DRAIN SYSTEM OR RECEIVING SURFACE WATERS. LIQUID WASTE MUST BE PUMPED OUT AND REMOVED FROM PROJECT.
6. LOCATE WASHOUTS AT LEAST 50 FEET FROM STORM DRAIN INLETS AND SURFACE WATERS UNLESS IT CAN BE SHOWN THAT NO OTHER ALTERNATIVES ARE REASONABLY AVAILABLE. AT A MINIMUM, INSTALL PROTECTION OF STORM DRAIN INLET(S) CLOSEST TO THE WASHOUT WHICH COULD RECEIVE SPILLS OR OVERFLOW.
7. LOCATE WASHOUTS IN AN EASILY ACCESSIBLE AREA, ON LEVEL GROUND AND INSTALL A STONE ENTRANCE PAD IN FRONT OF THE WASHOUT. ADDITIONAL CONTROLS MAY BE REQUIRED BY THE APPROVING AUTHORITY.
8. INSTALL AT LEAST ONE SIGN DIRECTING CONCRETE TRUCKS TO THE WASHOUT WITHIN THE PROJECT LIMITS. POST SIGNAGE ON THE WASHOUT ITSELF TO IDENTIFY THIS LOCATION.
9. REMOVE LEAVINGS FROM THE WASHOUT WHEN AT APPROXIMATELY 75% CAPACITY TO LIMIT OVERFLOW EVENTS. REPLACE THE TARP, SAND BAGS OR OTHER TEMPORARY STRUCTURAL COMPONENTS WHEN NO LONGER FUNCTIONAL. WHEN UTILIZING ALTERNATIVE OR PROPRIETARY PRODUCTS, FOLLOW MANUFACTURER'S INSTRUCTIONS.
10. AT THE COMPLETION OF THE CONCRETE WORK, REMOVE REMAINING LEAVINGS AND DISPOSE OF IN AN APPROVED DISPOSAL FACILITY. FILL PIT, IF APPLICABLE, AND STABILIZE ANY DISTURBANCE CAUSED BY REMOVAL OF WASHOUT.

**HERBICIDES, PESTICIDES AND RODENTICIDES**

1. STORE AND APPLY HERBICIDES, PESTICIDES AND RODENTICIDES IN ACCORDANCE WITH LABEL RESTRICTIONS.
2. STORE HERBICIDES, PESTICIDES AND RODENTICIDES IN THEIR ORIGINAL CONTAINERS WITH THE LABEL, WHICH LISTS DIRECTIONS FOR USE, INGREDIENTS AND FIRST AID STEPS IN CASE OF ACCIDENTAL POISONING.
3. DO NOT STORE HERBICIDES, PESTICIDES AND RODENTICIDES IN AREAS WHERE FLOODING IS POSSIBLE OR WHERE THEY MAY SPILL OR LEAK INTO WELLS, STORMWATER DRAINS, GROUND WATER OR SURFACE WATER. IF A SPILL OCCURS, CLEAN AREA IMMEDIATELY.
4. DO NOT STOCKPILE THESE MATERIALS ONSITE.

**HAZARDOUS AND TOXIC WASTE**

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

NCG01 GROUND STABILIZATION AND MATERIALS HANDLING — EFFECTIVE: 04/01/19

1. CHISEL ALL CUT GRADED OR COMPACTED AREAS TO A MINIMUM DEPTH OF 8".
2. DISC ALL AREAS TO RECEIVE GRASS TO A MINIMUM OF 8 INCHES, MIX AND AMEND WITH 3 INCHES OF WELL SCREENED TOPSOIL. ON-SITE TOPSOIL MAY BE USED IN PLACE OF IMPORTED TOPSOIL. IF WELL-SCREENED AND DRY PRIOR TO APPLICATION IN ACCORDANCE WITH SPECIFICATION SECTION 329000.
3. REMOVE ALL LOOSE ROCK, ROOTS, AND OTHER OBSTRUCTIONS LEAVING SURFACE REASONABLY SMOOTH AND UNIFORM.
4. APPLY AGRICULTURAL LIME, FERTILIZER, AND PHOSPHATE UNIFORMLY AS PER SPECIFICATIONS AND MIX WELL WITH SOIL.
5. CONTINUE TILLAGE UNTIL A WELL-PULVERIZED, FIRM, REASONABLY UNIFORM SEEDBED IS PREPARED TO A 6 INCHES DEPTH.
6. SEED AT RATE SPECIFIED OR AS NEEDED TO ACHIEVE AND MAINTAIN A THICK HEALTHY GROUND COVERAGE.
7. MULCH IMMEDIATELY AFTER SEEDING AND ANCHOR MULCH. BEGIN THOROUGH WATERING OF GRASSED AREAS IMMEDIATELY UPON INSTALLATION. DO NOT ALLOW GRASSED AREAS TO BECOME EXCESSIVELY DRY.
8. INSPECT ALL SEEDED AREAS AND MAKE NECESSARY REPAIRS OR RESEEDINGS AS NEEDED.
9. IF CONFLICTS OCCUR BETWEEN WRITTEN SPECIFICATIONS AND THE DRAWINGS, THE WRITTEN SPECIFICATIONS SHALL PREVAIL.

LIME & FERTILIZATION SCHEDULE

TEMPORARY SEED SCHEDULE (Jan 1 - May 1, Aug 15 - Dec 1)

| GRASS SPECIES BLEND | PLANTING RATE | MIN. % PURE SEED | MAX. % WEED SEED |
|---|---|---|---|
| ANNUAL RYE GRASS | 120-LBS PER 1-ACRE | 85% | 1% |
| ANNUAL LESPEDEZA (KOBE) | 50-LBS PER 1-ACRE | | |

TEMPORARY SEED SCHEDULE (May 1 - Aug 15)

| GRASS SPECIES BLEND | PLANTING RATE | MIN. % PURE SEED | MAX. % WEED SEED |
|---|---|---|---|
| GERMAN MILLET | 60-LBS PER 1-ACRE | 85% | 1% |

PERMANENT SEED SCHEDULE (May 1 - Aug 15)*

| GRASS SPECIES BLEND | PLANTING RATE | MIN. % PURE SEED | MAX. % WEED SEED |
|---|---|---|---|
| CELEBRATION BERMUDA SEED (HULLED) | 200-LBS PER 1-ACRE | 95% | LESS THAN 1% |

*NOTE: PERMANENT SEEDING FOR THIS PROJECT MUST BE DONE BETWEEN MAY 1 AND AUGUST 15.

NOTES:
1. ENSURE SOIL COMPACTION REQUIREMENTS ARE MET PRIOR TO SEEDING. MINIMUM COMPACTION REQUIRED IS 95% OF THE STANDARD PROCTOR DENSITY FOR SLOPES UP TO 5%. MINIMUM COMPACTION REQUIRED IS 90% MAXIMUM DRY DENSITY ELSEWHERE INCLUDING ON SLOPES 4:1 OR STEEPER. REFER TO SPECIFICATION SECTION 31 20 00.
2. SOIL AMENDMENTS: ADD 2,000-LBS/ ACRE GROUND AGRICULTURAL LIMESTONE AND 750-LBS/ACRE 10-10-10 FERTILIZER TO THE SOIL BEFORE SEEDING.
3. MULCH: APPLY 4,000-LBS/ACRE STRAW OVER SEED. ANCHOR STRAW MULCH BY CRIMPING INTO TOPSOIL BY SUITABLE MECHANICAL EQUIPMENT.
4. HYDROSEED ALL SLOPES 3:1 OR STEEPER.
5. PROTECT SEEDED AREAS 3:1 SLOPE/GRADE OR STEEPER AGAINST EROSION BY PROVIDING EROSION-CONTROL BLANKETS INSTALLED AND STAPLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
6. PROTECT SEEDED AREAS LESS THAN 3:1 SLOPE/GRADE AGAINST EROSION BY SPREADING STRAW MULCH AFTER COMPLETION OF SEEDING OPERATIONS. SPREAD UNIFORMLY AT A MINIMUM RATE OF 2 TONS PER ACRE TO FORM A CONTINUOUS BLANKET 1-1/2 INCHES LOOSE DEPTH OVER SEEDED AREAS. SPREAD BY HAND, BLOWER, OR OTHER SUITABLE EQUIPMENT.
7. INSPECT ALL SEEDED AREAS AND MAKE NECESSARY REPAIRS OR RESEEDINGS AS NEEDED.
8. SATISFACTORY LAWN: SEEDED LAWNS SHALL BE CONSIDERED SATISFACTORY/ACCEPTABLE PROVIDED REQUIREMENTS, INCLUDING MAINTENANCE, HAVE BEEN MET AND A HEALTHY, UNIFORM, CLOSE STAND OF GRASS IS ESTABLISHED, FREE OF WEEDS, BARE SPOTS EXCEEDING 5 BY 5 INCHES AND SURFACE IRREGULARITIES.

GRASS SEEDING SCHEDULE AND NOTES — N.T.S.

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Construction Documents

TIMMONS GROUP
ENGINEERING | DESIGN | TECHNOLOGY
5410 TRINITY RD, SUITE 102
RALEIGH, NC 27607
OFFICE: 919.866.4935
TG CONTACT: BRANDON MCLAMB
TG PROJECT #: 64339
NC LICENSE NO. C-1652

Lenoir County
# EB Frink Middle School
405 North Charles Street
La Grange NC, 28511

ENERGY STAR PARTNER

| | | |
|---|---|---|
| 1 | 02/18/2025 | BID SET / AGENCY COM. |

ISSUE DATE: 02/18/2025
PROJECT #: 02303.000
DRAWN BY: JDH
CHECKED BY: BLM

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EROSION CONTROL NOTES & DETAILS

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**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<br>-7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones<br>-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<br>-10 days for Falls Lake Watershed unless there is zero slope |

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

**GROUND STABILIZATION SPECIFICATION**

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

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

**POLYACRYLAMIDES (PAMS) AND FLOCCULANTS**

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

**EQUIPMENT AND VEHICLE MAINTENANCE**

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

**LITTER, BUILDING MATERIAL AND LAND CLEARING WASTE**

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

**PAINT AND OTHER LIQUID WASTE**

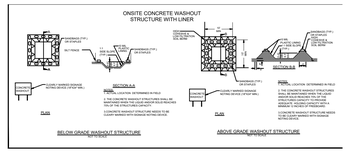
1. Do not dump paint and other liquid waste into storm drains, streams or wetlands.
2. Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
3. Contain liquid wastes in a controlled area.
4. Containment must be labeled,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

**PORTABLE TOILETS**

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

**EARTHEN STOCKPILE MANAGEMENT**

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




**CONCRETE WASHOUTS**

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

**HERBICIDES, PESTICIDES AND RODENTICIDES**

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

**HAZARDOUS AND TOXIC WASTE**

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

# NCG01 GROUND STABILIZATION AND MATERIALS HANDLING

EFFECTIVE: 04/01/19

**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.<br>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 un-attended 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 ≥ 1.0 inch in 24 hours | 1. Identification of the measures inspected,<br>2. Date and time of the inspection,<br>3. Name of the person performing the inspection,<br>4. Indication of whether the measures were operating properly,<br>5. Description of maintenance needs for the measure,<br>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 ≥ 1.0 inch in 24 hours | 1. Identification of the discharge outfalls inspected,<br>2. Date and time of the inspection,<br>3. Name of the person performing the inspection,<br>4. Evidence of indicators of stormwater pollution such as oil sheen, floating or suspended solids or discoloration,<br>5. Indication of visible sediment leaving the site,<br>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 ≥ 1.0 inch in 24 hours | If visible sedimentation is found outside site limits, then a record of the following shall be made:<br>1. Actions taken to clean up or stabilize the sediment that has left the site limits,<br>2. Description, evidence, and date of corrective actions taken, and<br>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 ≥ 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:<br>1. Description, evidence and date of corrective actions taken, and<br>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).<br>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 | • ***Within 24 hours***, an oral or electronic notification.<br>• ***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.<br>• 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 | • ***Within 24 hours***, an oral or electronic notification. The notification shall include information about the date, time, nature, volume and location of the spill or release. |
| (c) Anticipated bypasses [40 CFR 122.41(m)(3)] | • ***A report at least ten days before the date of the bypass, if possible***. The report shall include an evaluation of the anticipated quality and effect of the bypass. |
| (d) Unanticipated bypasses [40 CFR 122.41(m)(3)] | • ***Within 24 hours***, an oral or electronic notification.<br>• ***Within 7 calendar days***, a report that includes an evaluation of the quality and effect of the bypass. |
| (e) Noncompliance with the conditions of this permit that may endanger health or the environment[40 CFR 122.41(l)(7)] | • ***Within 24 hours***, an oral or electronic notification.<br>• ***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).<br>• 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

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TG CONTACT: BRANDON MCLAMB
TG PROJECT #: 64339
NC LICENSE NO. C-1652

Lenoir County
**EB Frink Middle School**
405 North Charles Street
La Grange NC, 28511

ENERGY STAR PARTNER

| | | |
|---|---|---|
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CHECKED BY: BLM

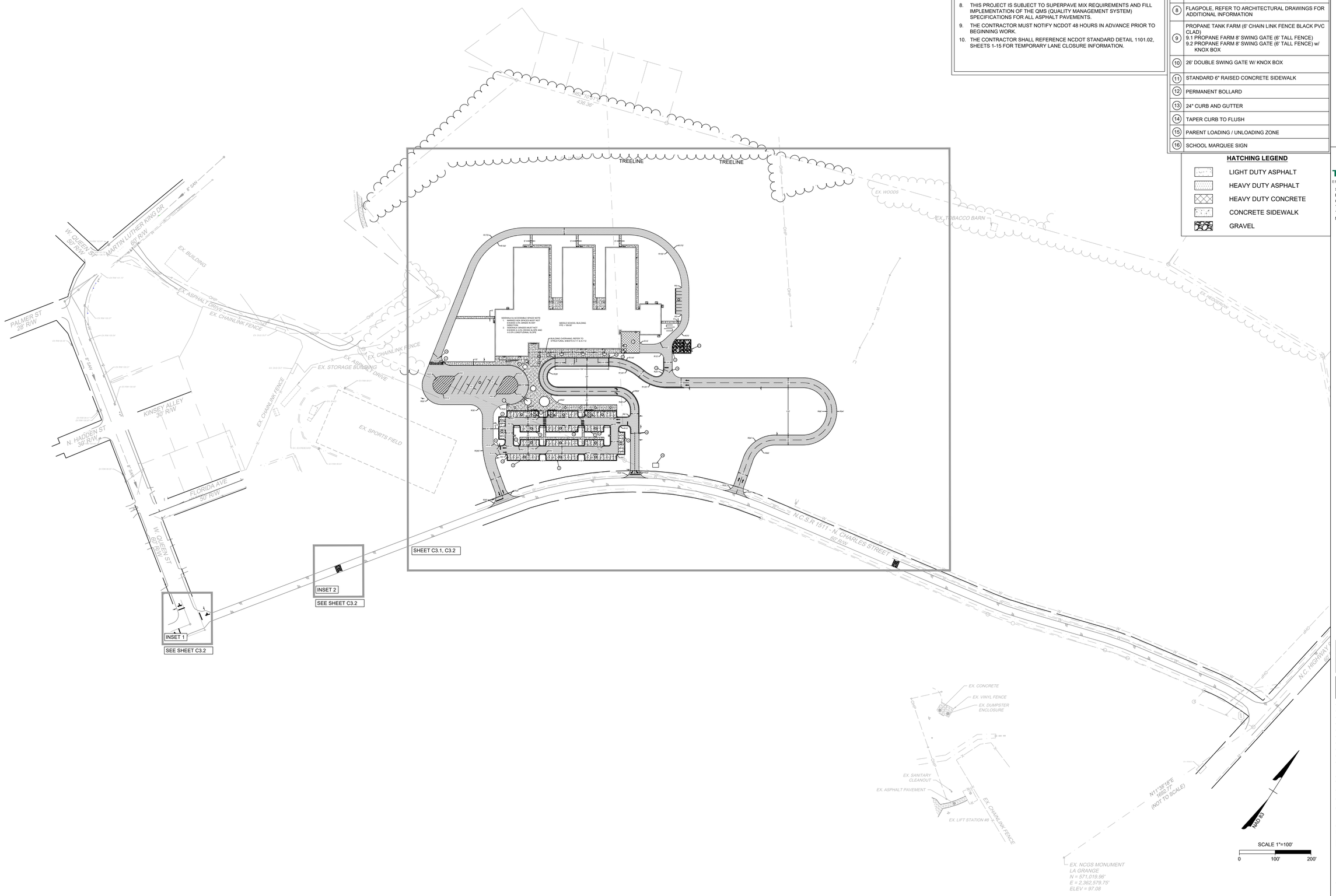
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GENERAL NOTES

1. ALL CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE TOWN OF LA GRANGE AND OSHA STANDARDS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OFF-SITE DISPOSAL OF ALL WASTE MATERIALS GENERATED DURING CONSTRUCTION AND FOR OBTAINING ALL APPLICABLE PERMITS FOR OFF-SITE STOCKPILES AND/OR WASTE AREAS.
3. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGES DURING CONSTRUCTION AND SHALL MAKE REPAIRS AT NO EXPENSE TO THE OWNER.
4. CURB RADII ARE DIMENSIONED FROM FACE OF CURB OR EDGE OF PAVEMENT.
5. RAISE ALL STRUCTURES WITHIN THE AREAS TO BE OVERLAID OR PAVED WITH ASPHALT SUCH THAT THE TOP OF THE STRUCTURE EQUALS THE FINISH GRADE OF THE NEW ASPHALT.

FOR WORK WITHIN THE NCDOT RIGHT OF WAY:

6. ALL PAVING SHALL BE PERFORMED BY A NCDOT APPROVED CONTRACTOR.
7. ALL PAVEMENT MARKINGS SHALL BE PERFORMED BY A NCDOT APPROVED CONTRACTOR.
8. THIS PROJECT IS SUBJECT TO SUPERPAVE MIX REQUIREMENTS AND FILL IMPLEMENTATION OF THE QMS (QUALITY MANAGEMENT SYSTEM) SPECIFICATIONS FOR ALL ASPHALT PAVEMENTS.
9. THE CONTRACTOR MUST NOTIFY NCDOT 48 HOURS IN ADVANCE PRIOR TO BEGINNING WORK.
10. THE CONTRACTOR SHALL REFERENCE NCDOT STANDARD DETAIL 1101.02, SHEETS 1-15 FOR TEMPORARY LANE CLOSURE INFORMATION.

## SITE LAYOUT KEYNOTES

| | |
|---|---|
| 1 | NCDOT STANDARD CURB RAMP |
| 2 | REGULATORY SIGN OR MARKING, REFER TO DRAWING C3.2 FOR DETAILS |
| 3 | CONCRETE WHEEL STOP |
| 4 | LOADING / RECEIVING AREA |
| 5 | SCREENED MECHANICAL YARD, REFER TO ARCHITECTURAL DRAWINGS |
| 6 | DUMPSTER PAD |
| 7 | SCHOOL MARQUEE SIGN, REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION |
| 8 | FLAGPOLE, REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION |
| 9 | PROPANE TANK FARM (6' CHAIN LINK FENCE BLACK PVC CLAD)<br>9.1 PROPANE FARM 8' SWING GATE (6' TALL FENCE)<br>9.2 PROPANE FARM 8' SWING GATE (6' TALL FENCE) w/ KNOX BOX |
| 10 | 26' DOUBLE SWING GATE W/ KNOX BOX |
| 11 | STANDARD 6" RAISED CONCRETE SIDEWALK |
| 12 | PERMANENT BOLLARD |
| 13 | 24" CURB AND GUTTER |
| 14 | TAPER CURB TO FLUSH |
| 15 | PARENT LOADING / UNLOADING ZONE |
| 16 | SCHOOL MARQUEE SIGN |

## HATCHING LEGEND

- LIGHT DUTY ASPHALT
- HEAVY DUTY ASPHALT
- HEAVY DUTY CONCRETE
- CONCRETE SIDEWALK
- GRAVEL

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Lenoir County

# EB Frink Middle School

405 North Charles Street
La Grange NC, 28511

ENERGY STAR PARTNER

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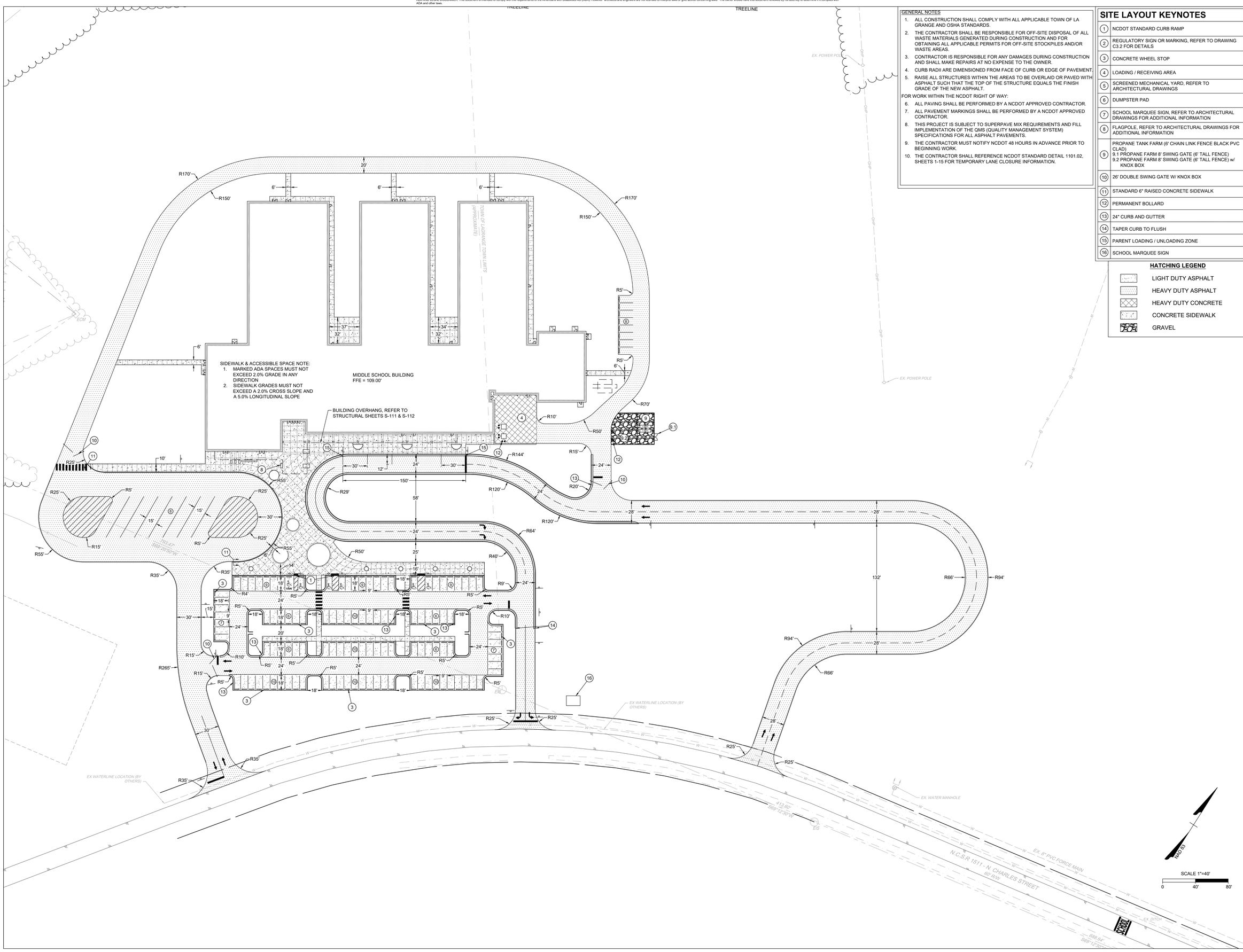
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OVERALL SITE LAYOUT PLAN

C3.0

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3. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGES DURING CONSTRUCTION AND SHALL MAKE REPAIRS AT NO EXPENSE TO THE OWNER.
4. CURB RADII ARE DIMENSIONED FROM FACE OF CURB OR EDGE OF PAVEMENT.
5. RAISE ALL STRUCTURES WITHIN THE AREAS TO BE OVERLAID OR PAVED WITH ASPHALT SUCH THAT THE TOP OF THE STRUCTURE EQUALS THE FINISH GRADE OF THE NEW ASPHALT.

FOR WORK WITHIN THE NCDOT RIGHT OF WAY:

6. ALL PAVING SHALL BE PERFORMED BY A NCDOT APPROVED CONTRACTOR.
7. ALL PAVEMENT MARKINGS SHALL BE PERFORMED BY A NCDOT APPROVED CONTRACTOR.
8. THIS PROJECT IS SUBJECT TO SUPERPAVE MIX REQUIREMENTS AND FILL IMPLEMENTATION OF THE QMS (QUALITY MANAGEMENT SYSTEM) SPECIFICATIONS FOR ALL ASPHALT PAVEMENTS.
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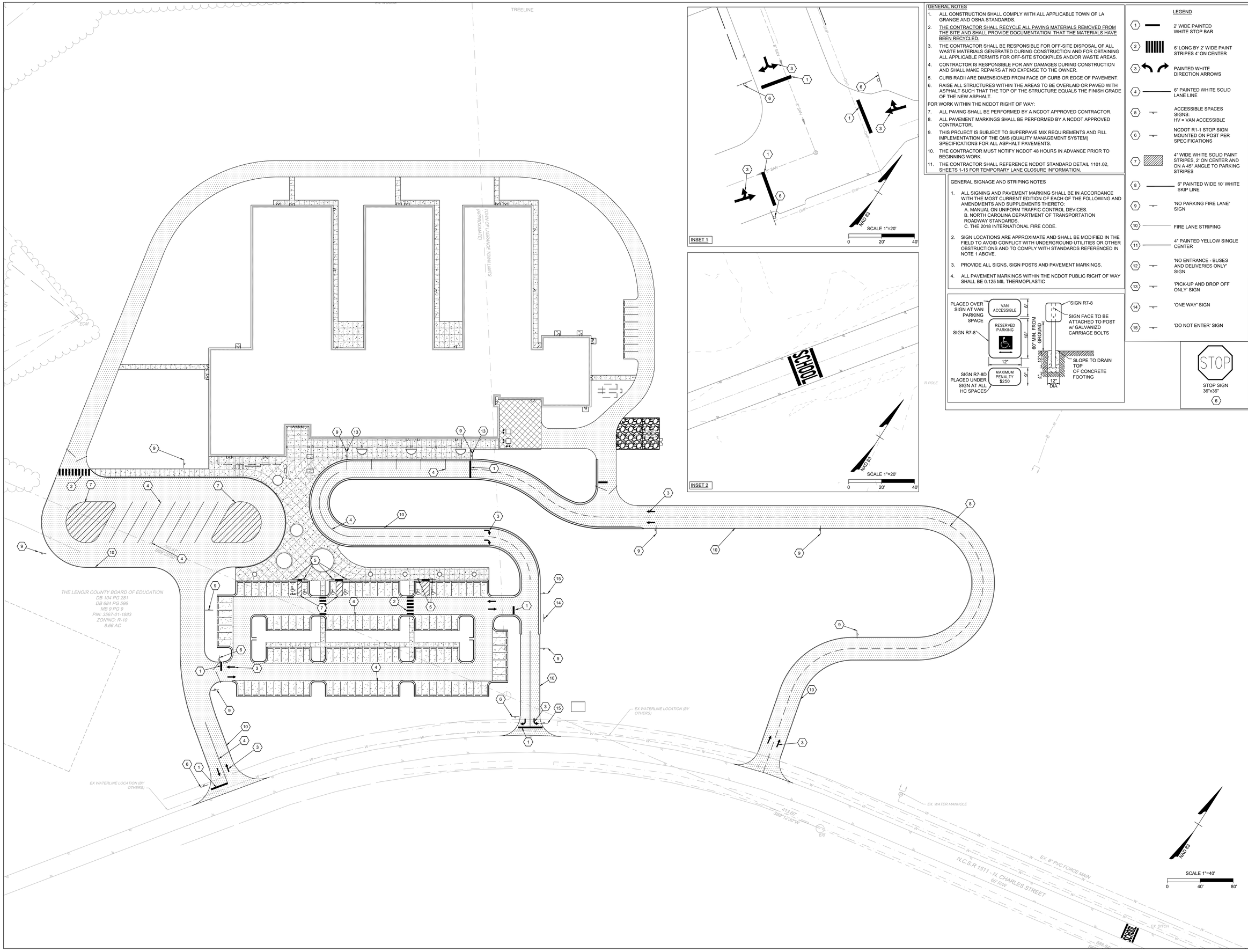
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SITE LAYOUT PLAN

C3.1

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GENERAL NOTES

1. ALL CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE TOWN OF LA GRANGE AND OSHA STANDARDS.
2. THE CONTRACTOR SHALL RECYCLE ALL PAVING MATERIALS REMOVED FROM THE SITE AND SHALL PROVIDE DOCUMENTATION THAT THE MATERIALS HAVE BEEN RECYCLED.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OFF-SITE DISPOSAL OF ALL WASTE MATERIALS GENERATED DURING CONSTRUCTION AND FOR OBTAINING ALL APPLICABLE PERMITS FOR OFF-SITE STOCKPILES AND/OR WASTE AREAS.
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8. ALL PAVEMENT MARKINGS SHALL BE PERFORMED BY A NCDOT APPROVED CONTRACTOR.
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11. THE CONTRACTOR SHALL REFERENCE NCDOT STANDARD DETAIL 1101.02, SHEETS 1-15 FOR TEMPORARY LANE CLOSURE INFORMATION.

GENERAL SIGNAGE AND STRIPING NOTES

1. ALL SIGNING AND PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH THE MOST CURRENT EDITION OF EACH OF THE FOLLOWING AND AMENDMENTS AND SUPPLEMENTS THERETO:
   A. MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
   B. NORTH CAROLINA DEPARTMENT OF TRANSPORTATION ROADWAY STANDARDS.
   C. THE 2018 INTERNATIONAL FIRE CODE.
2. SIGN LOCATIONS ARE APPROXIMATE AND SHALL BE MODIFIED IN THE FIELD TO AVOID CONFLICT WITH UNDERGROUND UTILITIES OR OTHER OBSTRUCTIONS AND TO COMPLY WITH STANDARDS REFERENCED IN NOTE 1 ABOVE.
3. PROVIDE ALL SIGNS, SIGN POSTS AND PAVEMENT MARKINGS.
4. ALL PAVEMENT MARKINGS WITHIN THE NCDOT PUBLIC RIGHT OF WAY SHALL BE 0.125 MIL THERMOPLASTIC




LEGEND

| | |
|---|---|
| 1 | 2' WIDE PAINTED WHITE STOP BAR |
| 2 | 6' LONG BY 2' WIDE PAINT STRIPES 4' ON CENTER |
| 3 | PAINTED WHITE DIRECTION ARROWS |
| 4 | 6" PAINTED WHITE SOLID LANE LINE |
| 5 | ACCESSIBLE SPACES SIGNS: HV = VAN ACCESSIBLE |
| 6 | NCDOT R1-1 STOP SIGN MOUNTED ON POST PER SPECIFICATIONS |
| 7 | 4" WIDE WHITE SOLID PAINT STRIPES, 2' ON CENTER AND ON A 45° ANGLE TO PARKING STRIPES |
| 8 | 6" PAINTED WIDE 10' WHITE SKIP LINE |
| 9 | 'NO PARKING FIRE LANE' SIGN |
| 10 | FIRE LANE STRIPING |
| 11 | 4" PAINTED YELLOW SINGLE CENTER |
| 12 | 'NO ENTRANCE - BUSES AND DELIVERIES ONLY' SIGN |
| 13 | 'PICK-UP AND DROP OFF ONLY' SIGN |
| 14 | 'ONE WAY' SIGN |
| 15 | 'DO NOT ENTER' SIGN |




STOP SIGN 36"x36"
6

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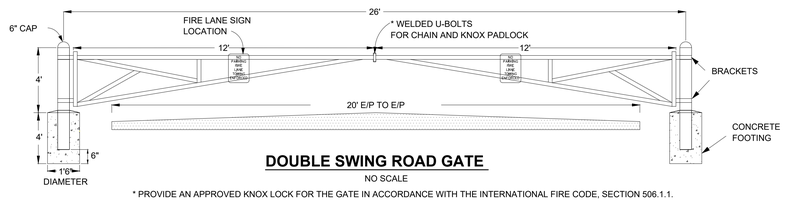
SIGNAGE & STRIPING PLAN

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GATES SHALL BE 2" GALVANIZED PIPE (WELD SEAMS AND PAINT W/ GALVANIZED PRIMER AND PAINT)



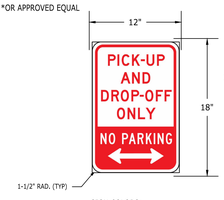

## DOUBLE SWING ROAD GATE

NO SCALE

* PROVIDE AN APPROVED KNOX LOCK FOR THE GATE IN ACCORDANCE WITH THE INTERNATIONAL FIRE CODE, SECTION 506.1.1.

## STRIPING & SIGNAGE NOTES

1. ALL SIGNING AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE MOST CURRENT EDITION OF EACH OF THE FOLLOWING AND ANY REVISION THERETO:
   A. MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
   B. THE NORTH CAROLINA SUPPLEMENT TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
   C. THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION ROAD AND BRIDGE SPECIFICATIONS.
   D. THE 2000 INTERNATIONAL FIRE CODE.
2. SIGN LOCATIONS ARE APPROXIMATE AND SHALL BE MODIFIED IN THE FIELD TO AVOID CONFLICT WITH UNDERGROUND UTILITIES OR OTHER OBSTRUCTIONS, AND TO COMPLY WITH STANDARDS REFERENCED IN NOTE 1 ABOVE.



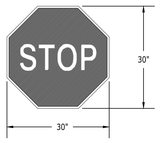

SIGN COLORS:

LETTERING ..... RED
STRIPE ..... RED
BACKGROUND ..... WHITE
ARROW ..... WHITE

PICK UP AND DROP OFF ONLY SIGN



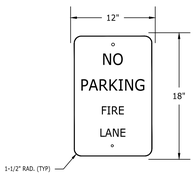

MUTCD STANDARD R6-1R




MUTCD STANDARD R1-1



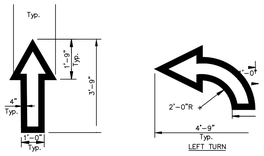

MUTCD STANDARD R5-1




SIGN COLORS:

LETTERING ..... RED
STRIPE ..... RED
BACKGROUND ..... WHITE

FIRE LANE NO PARKING SIGN

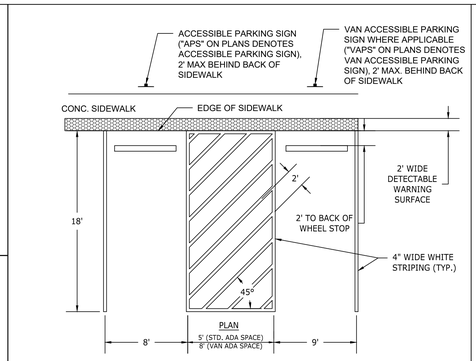



NOTES:
1. ARROWS PER MUTCD SECTION 3B.20.
2. ALL TRAFFIC FLOW ARROWS TO BE PAINTED WHITE PER SPECS.

TRAFFIC FLOW ARROW

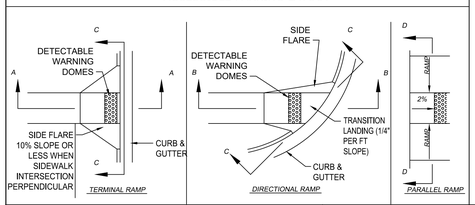
TYPICAL ROADWAY SIGN DETAILS

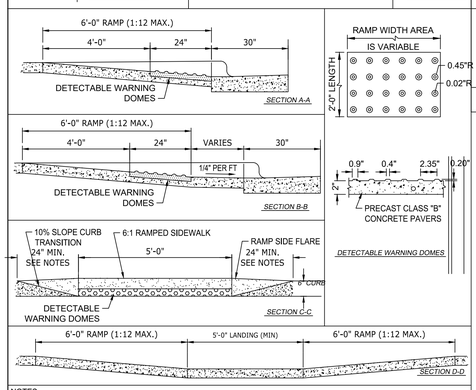
NOT TO SCALE




NOTE:
1. ALL PARKING STALL MARKINGS SHALL BE 2-COATS OF WHITE ALKYD RESIN PAINT AT 15 MIL THICKNESS FOR EACH COAT.

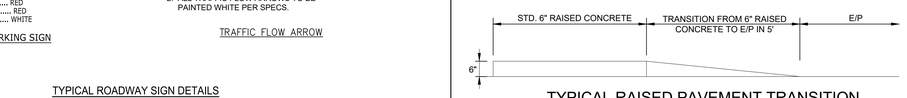
ACCESSIBLE PARKING LAYOUT N.T.S.



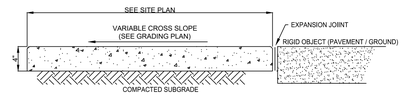

NOTES:
1. NO SLOPE ON THE SIDEWALK ACCESS RAMP SHALL EXCEED 1'/1' (1:12) IN RELATIONSHIP TO THE GRADE OF THE STREET.
2. IN NO CASE SHALL THE WIDTH OF THE ACCESS RAMP BE LESS THAN 48" (4'-0")
3. DETECTABLE WARNING DOMES SHALL COVER 2'-0" LENGTH AND FULL WIDTH OF THE RAMP FLOOR AS SHOWN.
4. FLARES MAY BE SLOPED GREATER THAN 10% WHEN A SIDEWALK IS NOT INTERSECTING PERPENDICULAR WITH RAMP

ADA HANDICAP RAMP N.T.S.

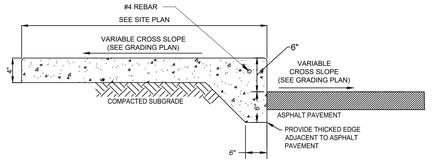



TYPICAL RAISED PAVEMENT TRANSITION (6" RAISED CONCRETE TO E/P)

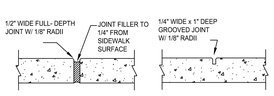
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TYPICAL SECTION
NTS




TYPICAL MONOLITHIC SIDEWALK EDGE ABUTTING ASPHALT
NTS

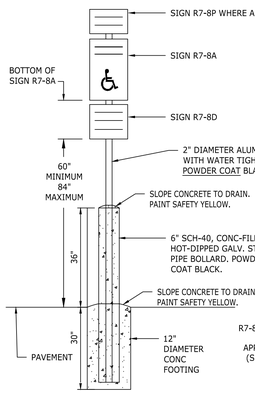



TYPICAL EXPANSION JOINT
NTS

TYPICAL CONTROL JOINT
NTS

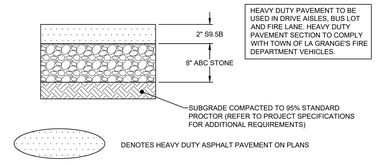
GENERAL NOTES:
1. PROVIDE GROOVE CONTROL JOINT 1-IN DEEP WITH 1/8-IN RADII IN SIDEWALK AT 5' INTERVALS UNLESS INDICATED OTHERWISE.
2. PROVIDE 1/2-IN EXPANSION JOINT AT 50' INTERVALS.
3. PROVIDE 1/2-IN EXPANSION JOINT WHERE THE SIDEWALK ABUTS ANY RIGID STRUCTURE.
4. SEE SPECIFICATIONS FOR ADDITIONAL JOINT SPACING REQUIREMENTS.
5. ALL CONCRETE SHALL BE 3,000 P.S.I. WITH BROOM FINISH.
6. ALL SIDEWALKS SHALL HAVE 2% OR LESS CROSS SLOPE.
7. ALL SIDEWALKS SHALL HAVE 5% OR LESS LONGITUDINAL SLOPE.

CONCRETE SIDEWALK N.T.S.

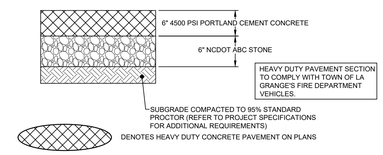



NOTES:
1. MOUNTING HEIGHT TO BOTTOM OF SIGN SHALL BE 60" FROM BOTTOM OF SIGN TO PAVEMENT OR 84" IN PEDESTRIAN AREAS UNLESS OTHERWISE NOTED.
2. ALL SIGNAGE SHALL HAVE HIGH INTENSITY PRISMATIC SHEETING.
3. SIGNS SHALL BE FABRICATED FROM ALUMINUM ALLOY SHEETS.
4. ALL MOUNTING HARDWARE SHALL BE GALVANIZED.
5. "VAPS" ON PLANS DENOTES VAN ACCESSIBLE PARKING SIGN. INSTALL R7-8A, R7-8D, & R7-8P.
6. "APS" ON PLANS DENOTES ACCESSIBLE PARKING SIGN. INSTALL R7-8A & R7-8D ONLY.

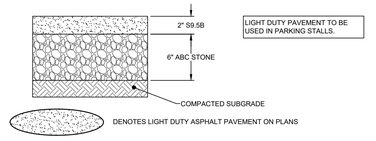
ACCESSIBLE PARKING SIGN N.T.S.



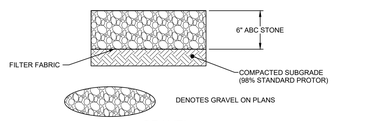

HEAVY DUTY ASPHALT
NO SCALE



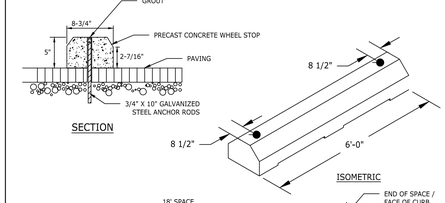

HEAVY DUTY CONCRETE PAVEMENT
NO SCALE




LIGHT DUTY ASPHALT
NO SCALE

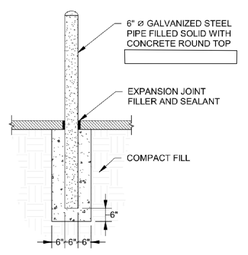



GRAVEL
NO SCALE

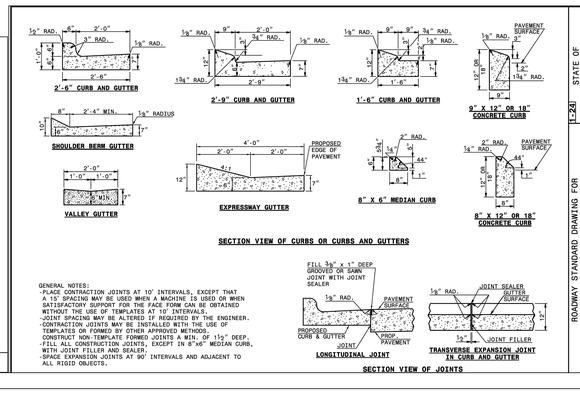



WHEEL STOP POSITION WITHIN PARKING STALL

PRE-CAST CONCRETE WHEELSTOP N.T.S.



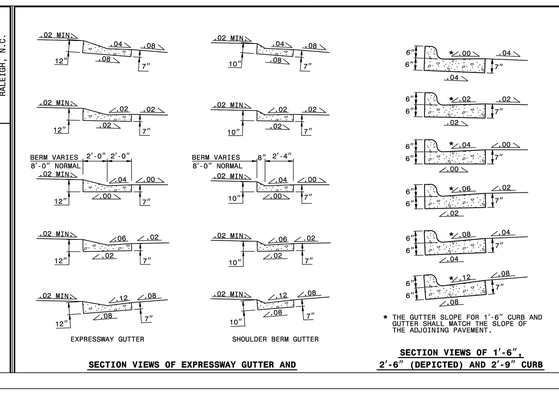

PERMANENT BOLLARD




ROADWAY STANDARD DRAWING FOR CONCRETE CURB, GUTTER AND CURB & GUTTER

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

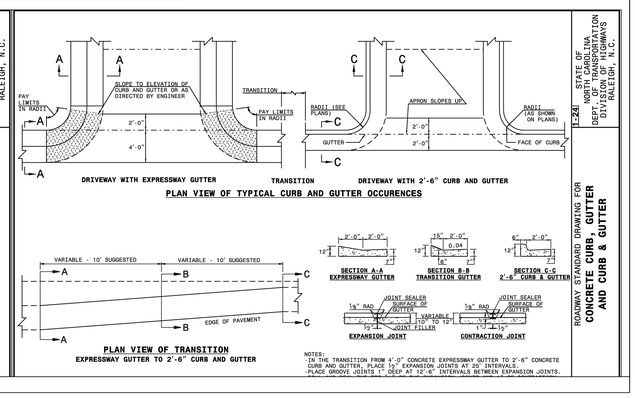
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ROADWAY STANDARD DRAWING FOR CONCRETE CURB, GUTTER AND CURB & GUTTER

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

1-24




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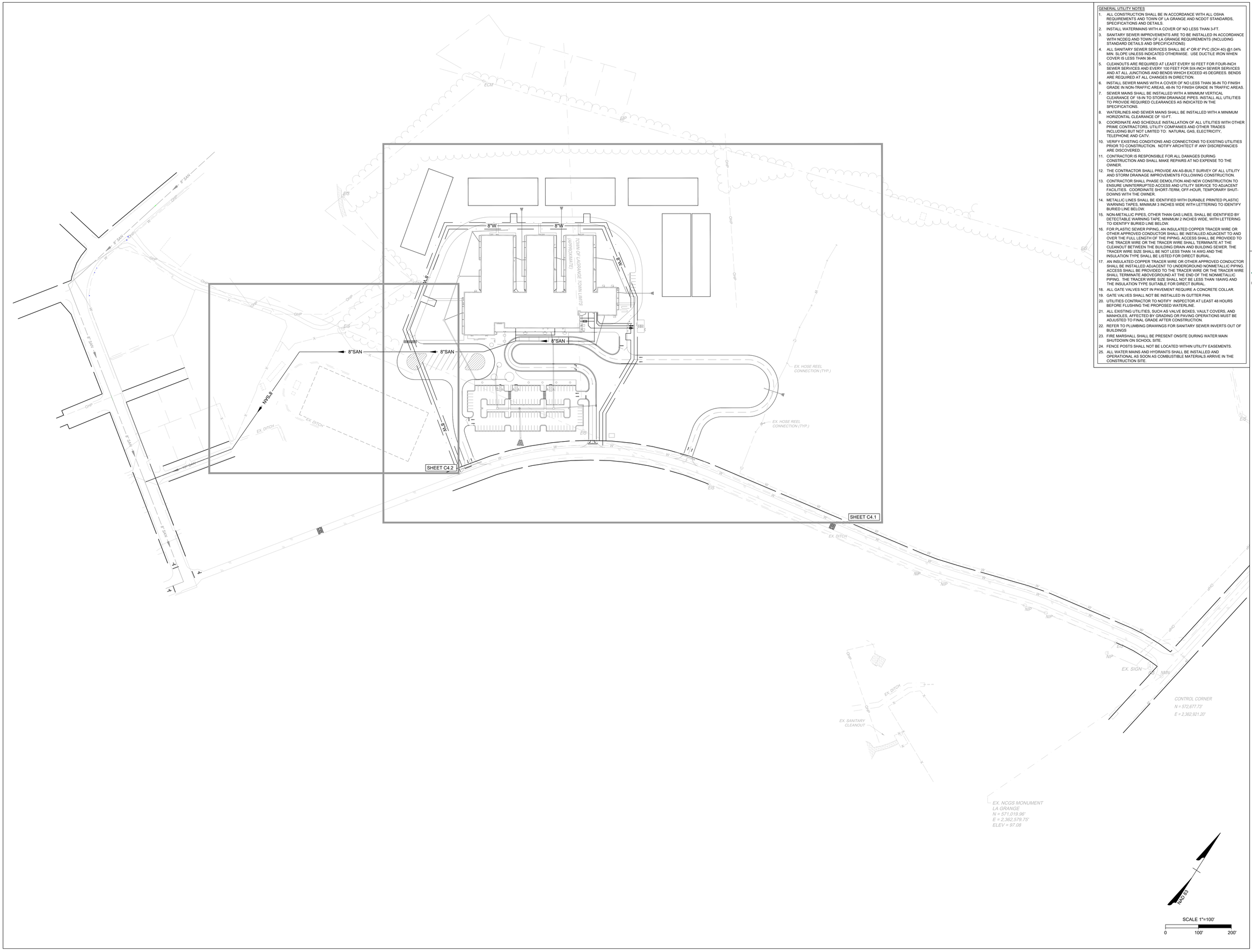
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SITE NOTES & DETAILS

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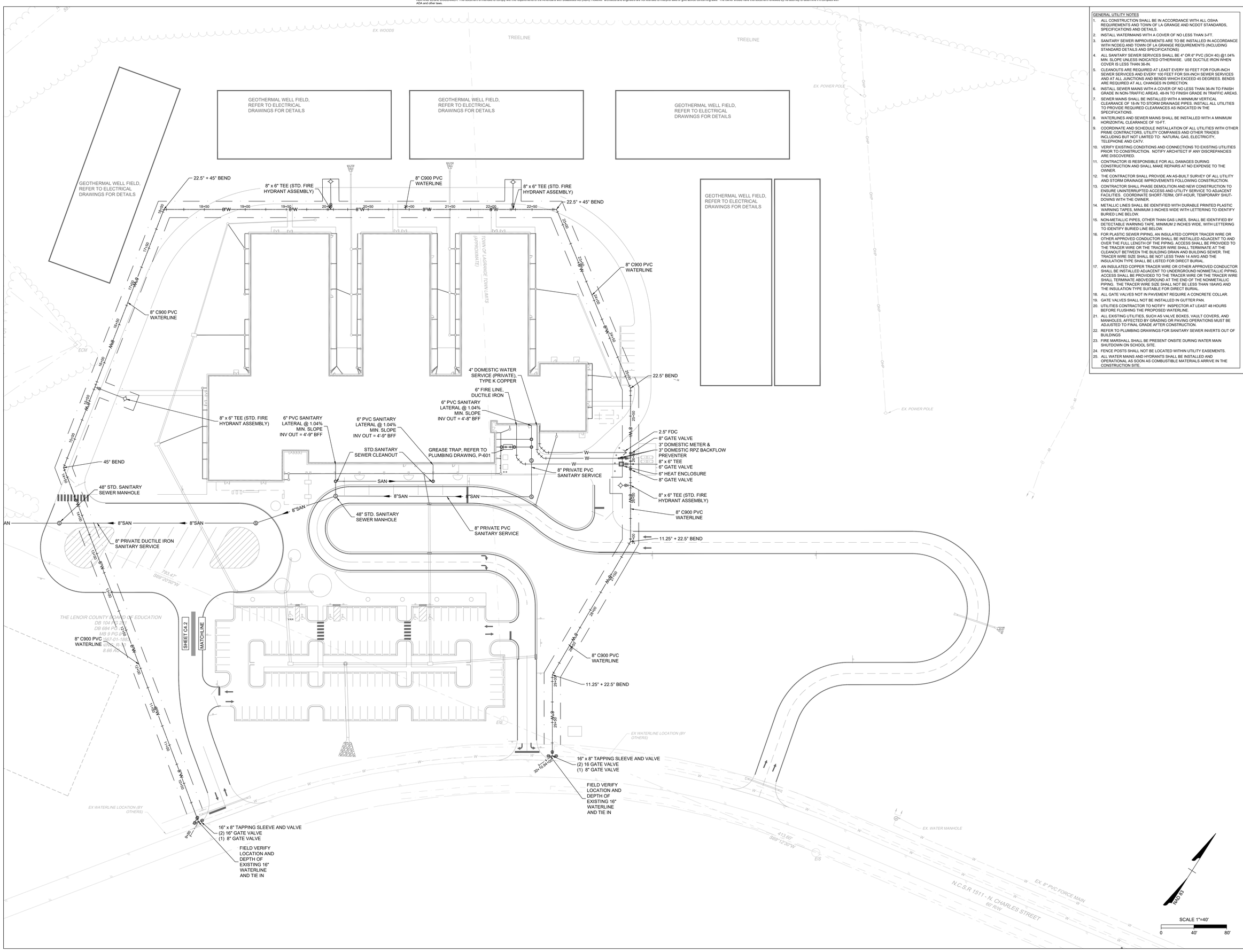
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OVERALL UTILITY PLAN

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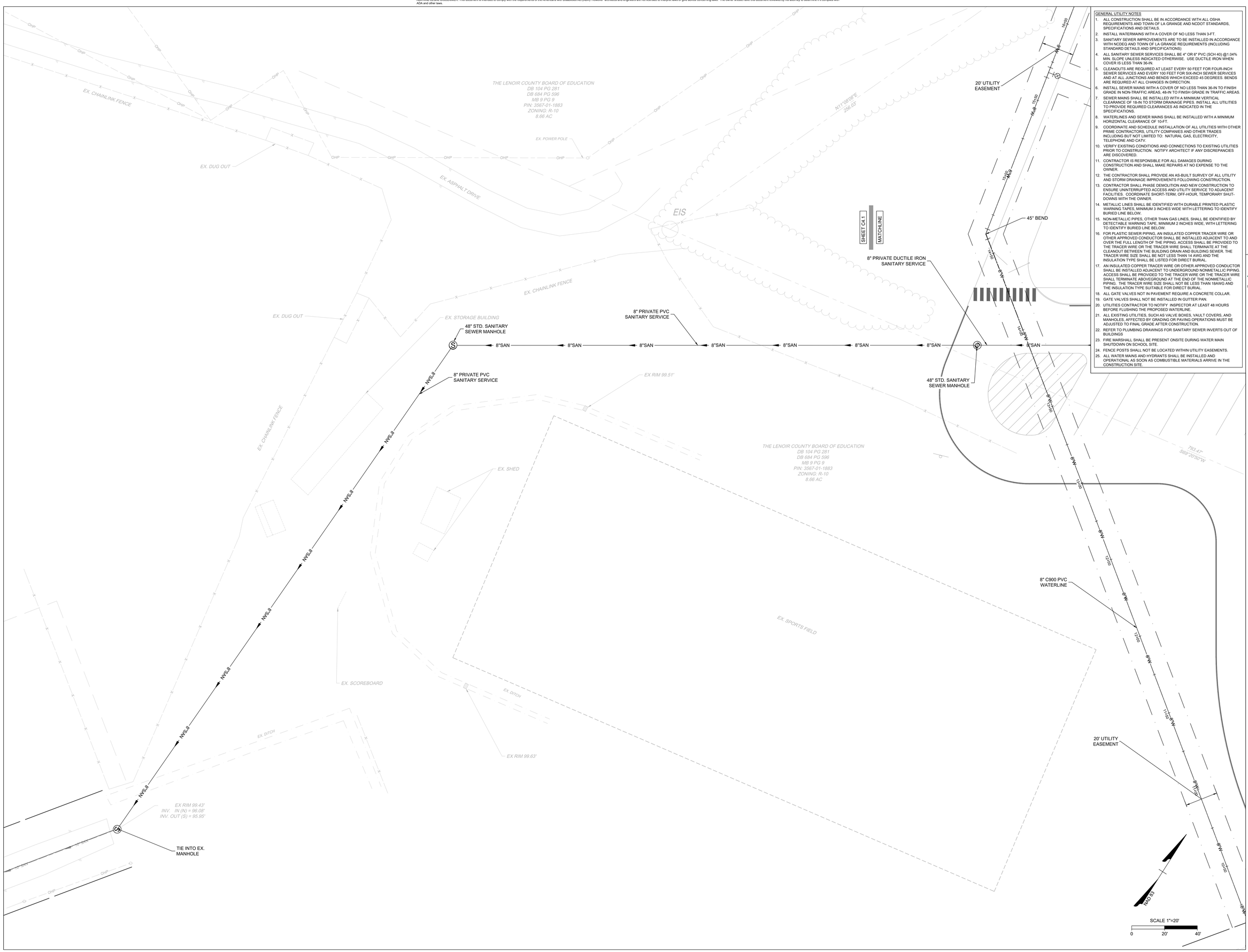
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UTILITY PLAN

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19. GATE VALVES SHALL NOT BE INSTALLED IN GUTTER PAN.
20. UTILITIES CONTRACTOR TO NOTIFY INSPECTOR AT LEAST 48 HOURS BEFORE FLUSHING THE PROPOSED WATERLINE.
21. ALL EXISTING UTILITIES, SUCH AS VALVE BOXES, VAULT COVERS, AND MANHOLES, AFFECTED BY GRADING OR PAVING OPERATIONS MUST BE ADJUSTED TO FINAL GRADE AFTER CONSTRUCTION.
22. REFER TO PLUMBING DRAWINGS FOR SANITARY SEWER INVERTS OUT OF BUILDINGS
23. FIRE MARSHALL SHALL BE PRESENT ONSITE DURING WATER MAIN SHUTDOWN ON SCHOOL SITE.
24. FENCE POSTS SHALL NOT BE LOCATED WITHIN UTILITY EASEMENTS.
25. ALL WATER MAINS AND HYDRANTS SHALL BE INSTALLED AND OPERATIONAL AS SOON AS COMBUSTIBLE MATERIALS ARRIVE IN THE CONSTRUCTION SITE.

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NORTH CAROLINA PROFESSIONAL SEAL 034374 ENGINEER Brandon L. McLamb 09/12/2024

Construction Documents

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ENGINEERING | DESIGN | TECHNOLOGY
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RALEIGH, NC 27607
OFFICE: 919.866.4935
TG CONTACT: BRANDON MCLAMB
TG PROJECT #: 64339
NC LICENSE NO. C-1652

Lenoir County
# EB Frink Middle School
405 North Charles Street
La Grange NC, 28511

ENERGY STAR PARTNER

| | | |
|---|---|---|
| 1 | 02/18/2025 | BID SET / AGENCY COM. |

ISSUE DATE: 02/18/2025
PROJECT #: 02303.000
DRAWN BY: JDH
CHECKED BY: BLM

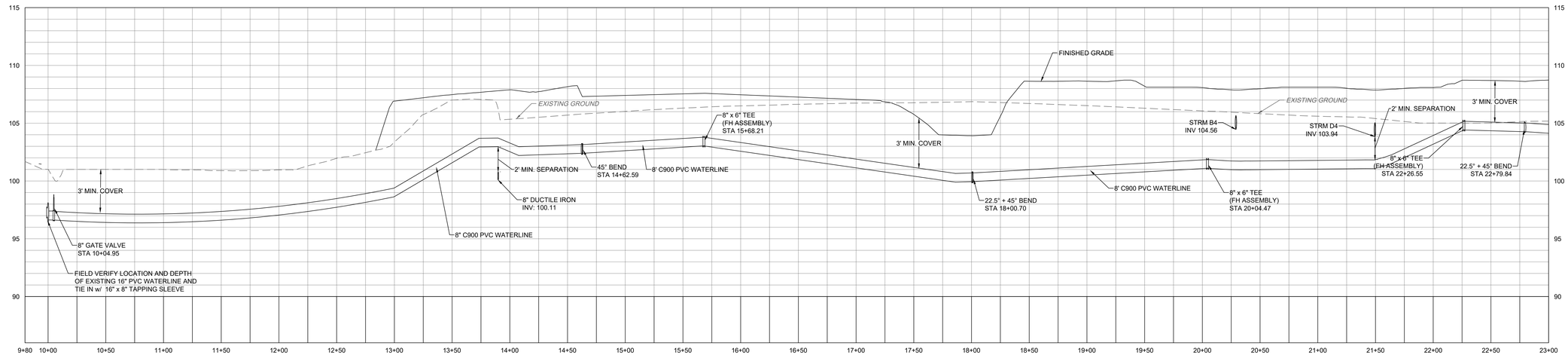
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UTILITY PLAN

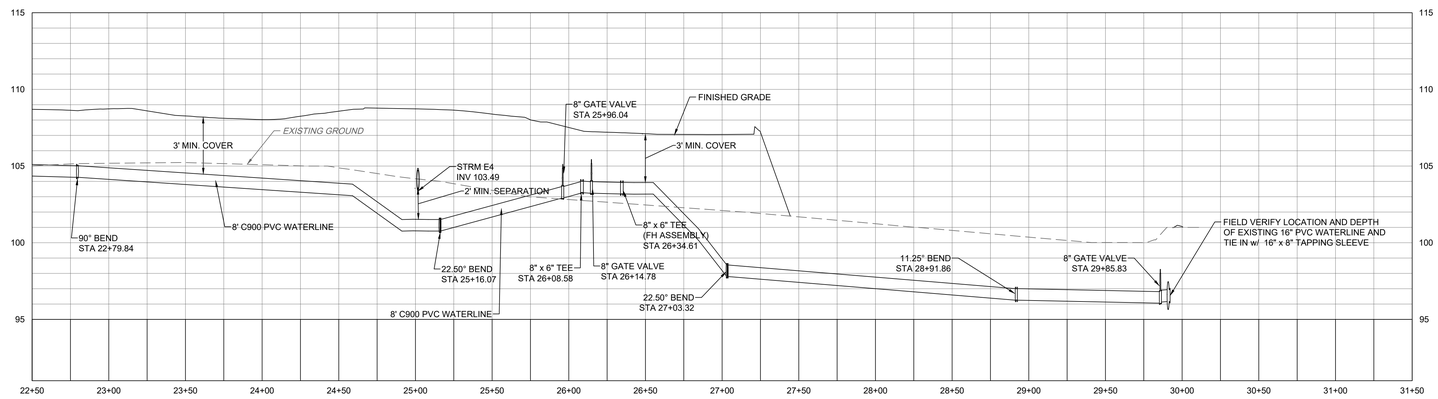
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**8IN PVC WATERLINE (PUBLIC) PROFILE - STA. 9+80 TO 23+00**
Horz: 1" = 40'
Vert: 1" = 4'




**8IN PVC WATERLINE (PUBLIC) PROFILE - STA. 22+50 TO 31+50**
Horz: 1" = 40'
Vert: 1" = 4'

**KEY**

EX. GRADE - - - - - -

FINAL GRADE ———

4
0
0 40
PROFILE SCALE

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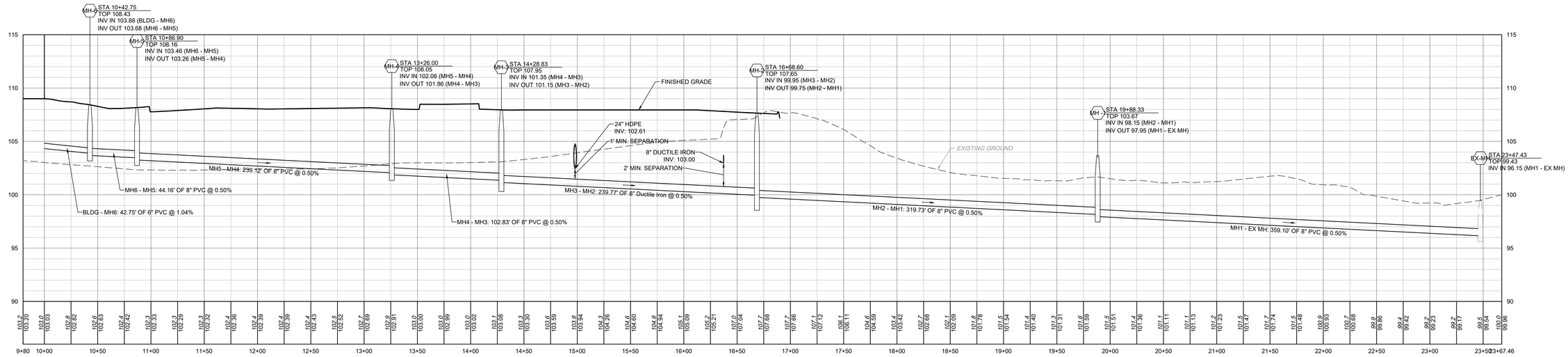
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WATERLINE PROFILES

C4.3

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**SANITARY SEWER - FLORIDA AVE PROFILE**
Horz: 1" = 40'
Vert: 1" = 4'

**KEY**
EX. GRADE
FINAL GRADE

4
0
0
40
PROFILE SCALE

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| 1 | 02/18/2025 | BID SET / AGENCY COM. |

ISSUE DATE: 02/18/2025
PROJECT #: 02303.000
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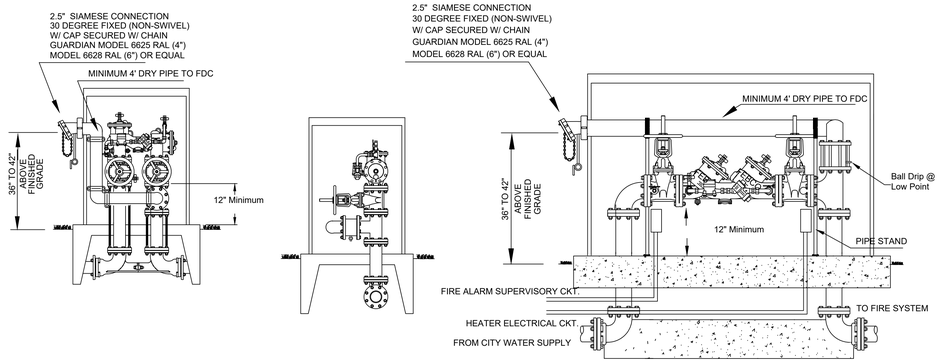
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SANITARY SEWER PROFILES

C4.4

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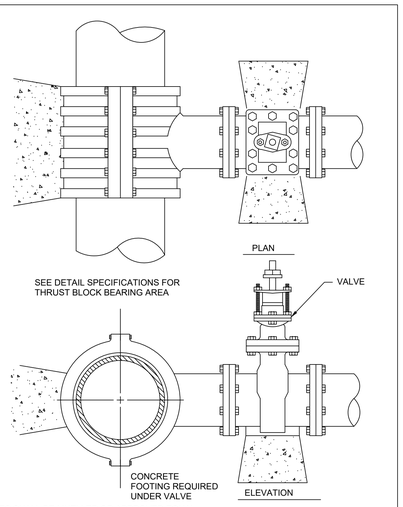



HOTBOX BACKFLOW W/ FDC MOUNTED

NOT TO SCALE

TYPICAL NOTES:

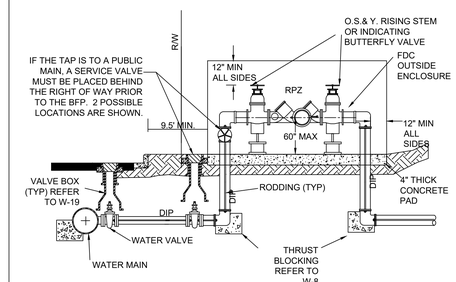
1) ALL PIPING AND FITTINGS TO BE DUCTILE IORN, GALVANIZED BRASS, STAINLESS STEEL, OR ALUMINIUM
2) 40' MAX. FROM FDC TO APPARATUS ACCESS LOCATION
3) FDC TO FACE FIRE APPARATUS ACCESS LOCATION (DRIVEWAY)
4) DO NOT BLOCK APPARATUS ACCESS TO BUILDING WITH HOSE LAY FROM HYDRANT TO FDC
5) MINIMUM DISTANCE 3 FEET BEHIND CURB, PROTECT FROM VEHICLES
6) PROVIDE HEAT AND ALARM SUPERVISION TO HOT BOX (2 CONDUITS)
7) COMPLY WITH PUBLIC UTILITIES HANDBOOK REQUIREMENTS




1. VALVES SHALL BE MUELLER OR APPROVED EQUAL. OPEN LEFT, TAPPING SLEEVE AND VALVE AS SPECIFIES IN DETAIL SPECIFICATIONS.
2. CONCRETE SHALL NOT CONTACT BOLTS OR ENDS OF MECHANICAL JOINT FITTINGS.

STANDARD TAPPING SLEEVE & VALVE ASSEMBLY

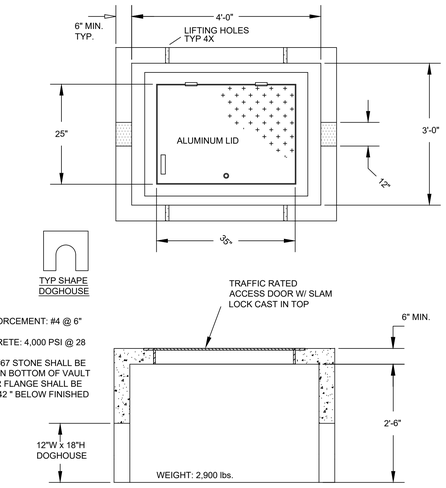
NOT TO SCALE




1. ALL ABOVE GROUND ENCLOSURES MUST HAVE ADEQUATE DRAINAGE (TWICE THE DIAMETER OF THE SUPPLY PIPE) TO DAYLIGHT ABOVE GRADE.
2. REDUCED PRESSURE BACKFLOW PRESENTERS MAY BE LOCATED IN A BUILDING PROVIDED THERE ARE NO OTHER UNPROTECTED TAPS BETWEEN THE MAIN AND THE BUILDING. DRAINAGE IN A BUILDING MUST BE TWICE THE DIAMETER OF THE SUPPY PIPE.
3. ABOVE GROUND INSULATED VAULTS MUST BE ASSE 1060 APPROVED ABOVE GROUND ENCLOSURES. SEE CROSS CONNECTION MANUAL FOR ENCLOSURE FREEZE PROTECTION AND CERTIFICATION REQUIREMENTS.
4. RESIDENTIAL LAWN IRRIGATION R.P. ASSEMBLIES THAT ARE REMOVED TO PREVENT FREEZING IN THE WINTER MONTHS MUST BE CAPPED OFF. ALL ABOVE GROUND ASSEMBLIES, EXCEPT RESIDENTIAL LAWN IRRIGATION ASSEMBLIES, MUST BE PROTECTED FROM FROST.
6. FOR ENCLOSURE DIMENSIONS SEE DETAIL W-34.
7. STEEL RODS AND BOLTS SHALL BE 3/4" HOT DIPPED GALVANIZED.
8. ALL ASSEMBLIES MUST BE ON THE CURRENT APPROVAL LIST.

TYPICAL REDUCED PRESSURE ZONE BACKFLOW PREVENTER ASSEMBLY

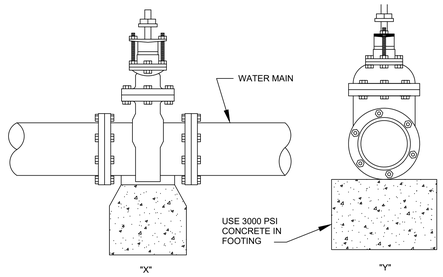
NOT TO SCALE




NOTES:
1) REINFORCEMENT: #4 @ 6" OCEW
2) CONCRETE: 4,000 PSI @ 28 DAYS
3) 6" OF #67 STONE SHALL BE PLACED IN BOTTOM OF VAULT
4) METER FLANGE SHALL BE PLACED 42 " BELOW FINISHED GRADE

TYPICAL 4" WATER METER VAULT

NOT TO SCALE



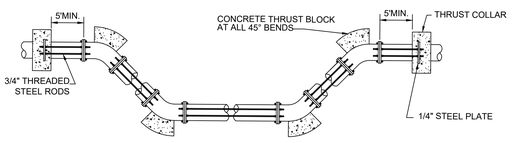

1. "X"x"Y" MUST EQUAL THE SQUARE FOOTAGE OF THE BEARING AREA AS SHOWN IN THE TABLE BELOW.

BEARING SURFACE AREA FOR VALVE FOOTINGS

| VALVE SIZE | 6" | 8" |
|---|---|---|
| QUICKSAND,POOR SOIL (1000 PSF) | 7 | 12 |
| GRAVEL,COURSE SAND (1600 PSF) | 5 | 8 |
| SOFT CLAY (2000 PSF) | 4 | 6 |
| FAIRLY DRY CLAY, CLEAN DRY SAND (4000 PSF) | 2 | 3 |
| DRY CLAY, COMPACT SAND (8000 PSF) | 1 | 2 |

STANDARD VALVE FTG. FOR WATER MAINS

NOT TO SCALE

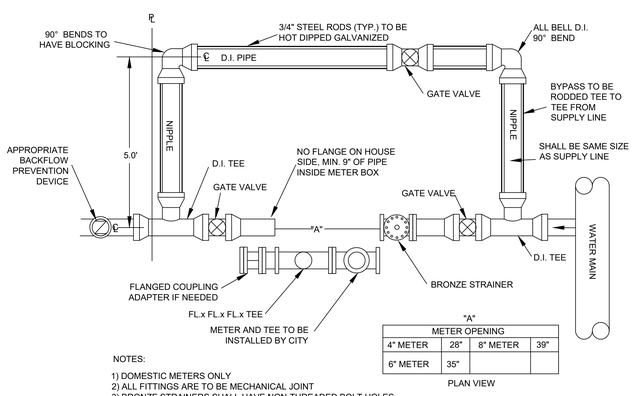



GENERAL NOTES

1. ONCE INSTALLED AND TIGHT, THE STEEL RODS AND BOLTS SHALL BE COATED WITH 2 COATS OF BITUMINOUS BASE PAINT.
2. CONCRETE SHALL NOT CONTACT BOLTS OR ENDS OF MECHANICAL JOINT BENDS.

WATER MAIN VERTICAL BEND

NOT TO SCALE




| METER OPENING | | | |
|---|---|---|---|
| 4" METER | 28" | 8" METER | 39" |
| 6" METER | 35" | | |

PLAN VIEW

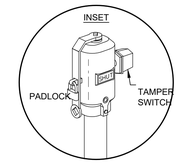
NOTES:
1) DOMESTIC METERS ONLY
2) ALL FITTINGS ARE TO BE MECHANICAL JOINT
3) BRONZE STRAINERS SHALL HAVE NON-THREADED BOLT HOLES.

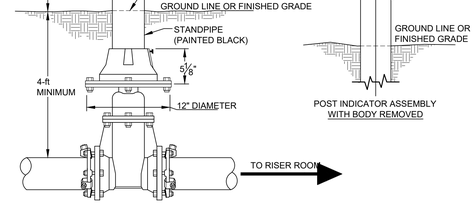
TYPICAL 4"- 8" DOMESTIC WATER METER BYPASS INSTALLATION

NOT TO SCALE

FIELD ADJUSTMENT INSTRUCTIONS

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




**STANDARD POST INDICATOR VALVE**

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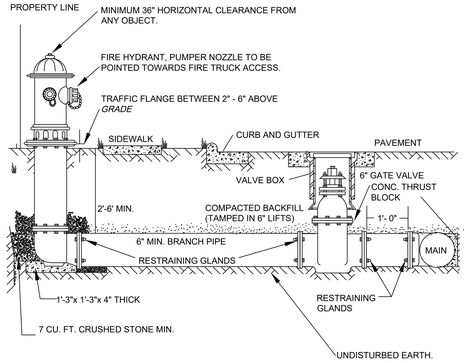
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UTILITY NOTES & DETAILS

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*NOTES:*

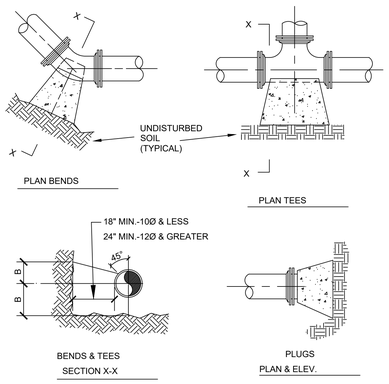
1. FIRE HYDRANT SHALL BE AS MANUFACTURED: MUELLER, AMERICAN DARLING, KENNEDY, M&H, WATEROUS, CLOW, EAST JORDAN IRON WORKS, OR US PIPE.
2. BRANCH PIPE SHALL BE DUCTILE IRON AWWA *C150-96*
3. 6" GATE VALVE SHALL BE AWWA C500-86 OPEN *LEFT*
4. STEEL RODS AND BOLTS SHALL BE $\frac{3}{4}$" HOT DIPPED GALVANIZED
5. FIRE HYDRANTS WILL BE INSTALLED IN TRUE VERTICAL POSITION
   RODS SHALL NOT BE COUPLED MORE THAN ONCE. IF THE LENGTH FROM THE VALVE TO THE HYDRANT EXCEEDS 20' THEN A MECHANICAL RESTRAINING GLAND WITH A REBAR CAGE SHALL BE INSTALLED NO MORE THAN 10' FROM HYDRANT AND POURED IN CONCRETE.
   FIRE HYDRANTS TO BE LOCATED IN ROW OR 2 FOOT EASEMENT ADJACENT TO ROW

ANYTIME SITE WORK, CONSTRUCTION, ROAD WORK, OR ANY OTHER WORK CHANGES THE GRADE OF THE FIRE HYDRANT, THE PERSON RESPONSIBLE FOR THE WORK IS RESPONSIBLE FOR ADJUSTING THE FIRE HYDRANT TO STAY WITHIN COMPLIANCE.

## STANDARD FIRE HYDRANT INSTALLATION

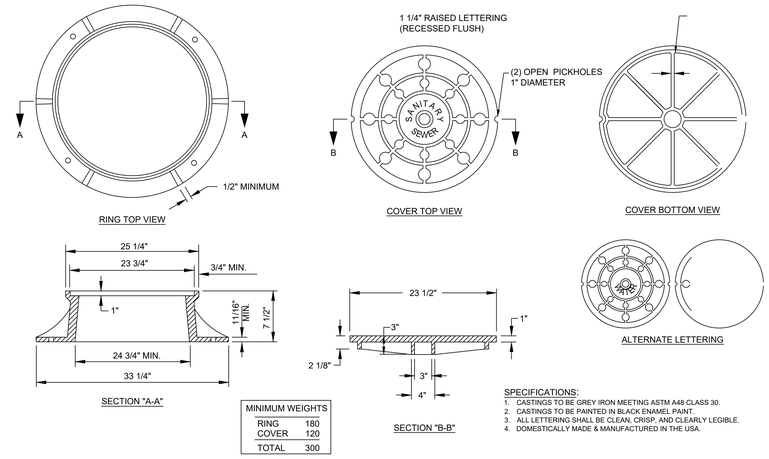
NOT TO SCALE

| PIPE SIZE | 90° BEND | | 45° BEND | | 22 1/2° BEND | | 11 1/4° BEND | | TEE | | PLUG | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | A | B | A | B | A | B | A | B | A | B |
| 4" | 8" | 12" | 8" | 8" | 6" | 6" | 6" | 6" | 8" | 9" | 6" | 10" |
| 6" | 10" | 12" | 8" | 10" | 6" | 8" | 6" | 8" | 10" | 10" | 10" | 12" |
| 8" | 15" | 13" | 10" | 10" | 8" | 8" | 8" | 8" | 10" | 12" | 12" | 24" |
| 10" | 16" | 14" | 10" | 12" | 6" | 10" | 6" | 10' | 11' | 14" | 14" | 25" |
| 12" | 19" | 16" | 12" | 14" | 8" | 11" | 8" | 11" | 14" | 16" | 16" | 30" |
| 16" | 26" | 20" | 16" | 18" | 11" | 13" | 11" | 13" | 18" | 20" | 20" | 36" |
| 20" | 50" | 24" | 31" | 22" | 21" | 16" | 12" | 15" | 36" | 24" | 24" | 58" |
| 24" | 60" | 28" | 38" | 26" | 25" | 20" | 14" | 17" | 36" | 28" | 28" | 70" |




## TYPICAL THRUST BLOCK DETAILS

NOT TO SCALE



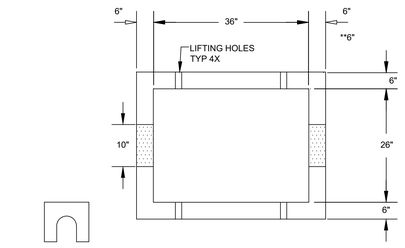

| MINIMUM WEIGHTS | |
|---|---|
| RING | 180 |
| COVER | 120 |
| TOTAL | 300 |

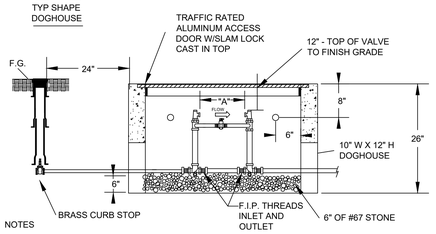
SPECIFICATIONS:

1. CASTINGS TO BE GREY IRON MEETING ASTM A48 CLASS 30.
2. CASTINGS TO BE PAINTED IN BLACK ENAMEL PAINT.
3. ALL LETTERING SHALL BE CLEAN, CRISP, AND CLEARLY LEGIBLE.
4. DOMESTICALLY MADE & MANUFACTURED IN THE USA.

## STANDARD MANHOLE RING AND COVER

NOT TO SCALE




NOTES

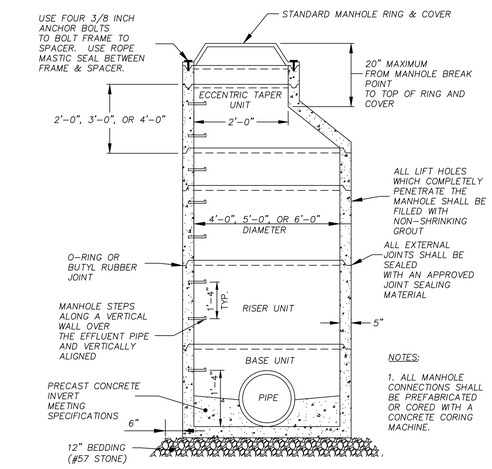
1. METER AS MANUFACTURED BY SENSUS OR NEPTUNE.
2. BACKFILL TAMPED IN 6" LIFTS.
3. REINFORCEMENT: #4 @ 6" OCEW
4. CONCRETE: 4,000 PSI @ 28 DAYS
5. ALL RPZ BACKFLOW PREVENTION DEVICES MUST BE INSTALLED PRIOR TO METER BEING SET.
6) ALL COPPER SETTERS ARE TO HAVE A BALL TYPE SHUT OFF VALVE ON BOTH SIDES OF COPPER SETTER WITH HIGH RISE BYPASS THAT IS MANUFACTURED BY FORD, MUELLER, OR AY McDONALD. (NO EXCEPTIONS)

| DIMENSION "A" | |
|---|---|
| 1½" METER | 13 ½" |
| 2" METER | 17 ½" |

** TRAFFIC RATED VAULT WALL THICKNESS

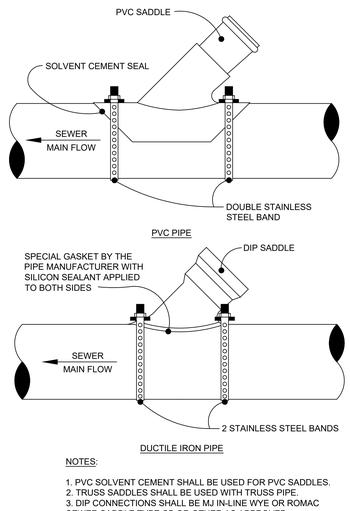
## TYPICAL 1 1/2"- 2" WATER METER BOX INSTALLATION

NOT TO SCALE




## STANDARD PRECAST CONCRETE MANHOLE

NOT TO SCALE

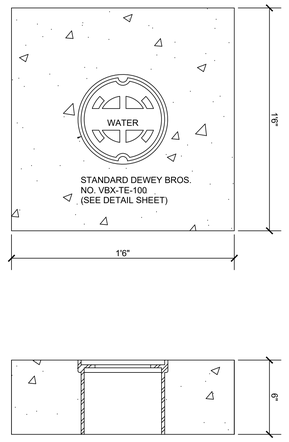



NOTES:

1. PVC SOLVENT CEMENT SHALL BE USED FOR PVC SADDLES.
2. TRUSS SADDLES SHALL BE USED WITH TRUSS PIPE.
3. DIP CONNECTIONS SHALL BE MJ IN-LINE WYE OR ROMAC SEWER SADDLE TYPE CB OR OTHER AS APPROVED.

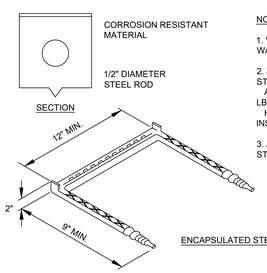
## STANDARD SANITARY SEWER LATERAL CONNECTIONS

NOT TO SCALE




## STANDARD CONCRETE PAD FOR VALVE BOX

NOT TO SCALE

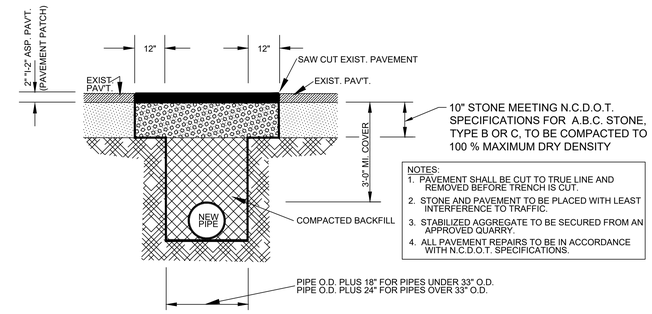



NOTES:

1. VERTICAL SPACING = 16" O.C., ON VERTICAL WALL ONLY.
2. STEPS TO PROTRUDE 5" FROM FACE OF STRUCTURE WALL, AND SHALL WITHSTAND A VERTICAL LOAD OF 400 LBS. AND A HORIZONTAL PULL-OUT LOAD OF 1000 LBS. WHEN INSTALLED.
3. ALL STEPS SHALL BE VERTICALLY ALIGNED IN A STRAIGHT LINE.

## MANHOLE STEPS

NOT TO SCALE




NOTES:

1. PAVEMENT SHALL BE CUT TO TRUE LINE AND REMOVED BEFORE TRENCH IS CUT.
2. STONE AND PAVEMENT TO BE PLACED WITH LEAST INTERFERENCE TO TRAFFIC.
3. STABILIZED AGGREGATE TO BE SECURED FROM AN APPROVED QUARRY.
4. ALL PAVEMENT REPAIRS TO BE IN ACCORDANCE WITH N.C.D.O.T. SPECIFICATIONS.

## TYPICAL TRENCH IN BITUMINOUS SURFACE AREAS DETAIL

NOT TO SCALE

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NORTH CAROLINA PROFESSIONAL SEAL 034374 09/12/2024 ENGINEER Brandon L. McLamb

Construction Documents

TIMMONS GROUP
ENGINEERING | DESIGN | TECHNOLOGY
5410 TRINITY RD, SUITE 102
RALEIGH, NC 27607
OFFICE: 919.866.4935
TG CONTACT: BRANDON MCLAMB
TG PROJECT #: 64339
NC LICENSE NO. C-1652

Lenoir County

# EB Frink Middle School

405 North Charles Street
La Grange NC, 28511

ENERGY STAR PARTNER

| | | |
|---|---|---|
| 1 | 02/18/2025 | BID SET / AGENCY COM. |

ISSUE DATE: 02/18/2025
PROJECT #: 02303.000
DRAWN BY: JDH
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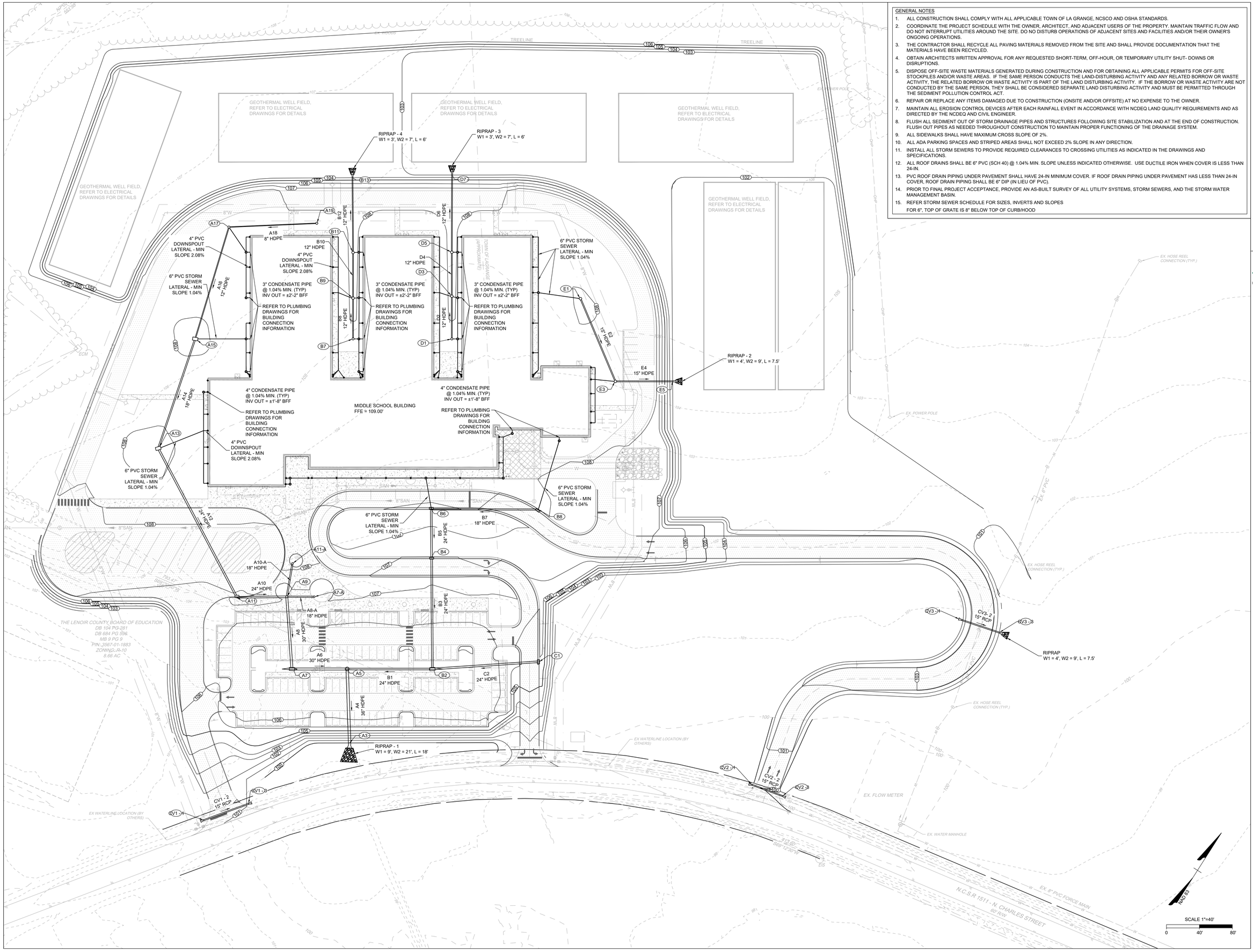
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UTILITY NOTES & DETAILS

C4.6

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GENERAL NOTES

1. ALL CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE TOWN OF LA GRANGE, NCSCO AND OSHA STANDARDS.
2. COORDINATE THE PROJECT SCHEDULE WITH THE OWNER, ARCHITECT, AND ADJACENT USERS OF THE PROPERTY. MAINTAIN TRAFFIC FLOW AND DO NOT INTERRUPT UTILITIES AROUND THE SITE. DO NO DISTURB OPERATIONS OF ADJACENT SITES AND FACILITIES AND/OR THEIR OWNER'S ONGOING OPERATIONS.
3. THE CONTRACTOR SHALL RECYCLE ALL PAVING MATERIALS REMOVED FROM THE SITE AND SHALL PROVIDE DOCUMENTATION THAT THE MATERIALS HAVE BEEN RECYCLED.
4. OBTAIN ARCHITECTS WRITTEN APPROVAL FOR ANY REQUESTED SHORT-TERM, OFF-HOUR, OR TEMPORARY UTILITY SHUT- DOWNS OR DISRUPTIONS.
5. DISPOSE OFF-SITE WASTE MATERIALS GENERATED DURING CONSTRUCTION AND FOR OBTAINING ALL APPLICABLE PERMITS FOR OFF-SITE STOCKPILES AND/OR WASTE AREAS. IF THE SAME PERSON CONDUCTS THE LAND-DISTURBING ACTIVITY AND ANY RELATED BORROW OR WASTE ACTIVITY, THE RELATED BORROW OR WASTE ACTIVITY IS PART OF THE LAND DISTURBING ACTIVITY. IF THE BORROW OR WASTE ACTIVITY ARE NOT CONDUCTED BY THE SAME PERSON, THEY SHALL BE CONSIDERED SEPARATE LAND DISTURBING ACTIVITY AND MUST BE PERMITTED THROUGH THE SEDIMENT POLLUTION CONTROL ACT.
6. REPAIR OR REPLACE ANY ITEMS DAMAGED DUE TO CONSTRUCTION (ONSITE AND/OR OFFSITE) AT NO EXPENSE TO THE OWNER.
7. MAINTAIN ALL EROSION CONTROL DEVICES AFTER EACH RAINFALL EVENT IN ACCORDANCE WITH NCDEQ LAND QUALITY REQUIREMENTS AND AS DIRECTED BY THE NCDEQ AND CIVIL ENGINEER.
8. FLUSH ALL SEDIMENT OUT OF STORM DRAINAGE PIPES AND STRUCTURES FOLLOWING SITE STABILIZATION AND AT THE END OF CONSTRUCTION. FLUSH OUT PIPES AS NEEDED THROUGHOUT CONSTRUCTION TO MAINTAIN PROPER FUNCTIONING OF THE DRAINAGE SYSTEM.
9. ALL SIDEWALKS SHALL HAVE MAXIMUM CROSS SLOPE OF 2%.
10. ALL ADA PARKING SPACES AND STRIPED AREAS SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION.
11. INSTALL ALL STORM SEWERS TO PROVIDE REQUIRED CLEARANCES TO CROSSING UTILITIES AS INDICATED IN THE DRAWINGS AND SPECIFICATIONS.
12. ALL ROOF DRAINS SHALL BE 6" PVC (SCH 40) @ 1.04% MIN. SLOPE UNLESS INDICATED OTHERWISE. USE DUCTILE IRON WHEN COVER IS LESS THAN 24-IN.
13. PVC ROOF DRAIN PIPING UNDER PAVEMENT SHALL HAVE 24-IN MINIMUM COVER. IF ROOF DRAIN PIPING UNDER PAVEMENT HAS LESS THAN 24-IN COVER, ROOF DRAIN PIPING SHALL BE 6" DIP (IN LIEU OF PVC).
14. PRIOR TO FINAL PROJECT ACCEPTANCE, PROVIDE AN AS-BUILT SURVEY OF ALL UTILITY SYSTEMS, STORM SEWERS, AND THE STORM WATER MANAGEMENT BASIN.
15. REFER STORM SEWER SCHEDULE FOR SIZES, INVERTS AND SLOPES
    FOR 6", TOP OF GRATE IS 8" BELOW TOP OF CURB/HOOD

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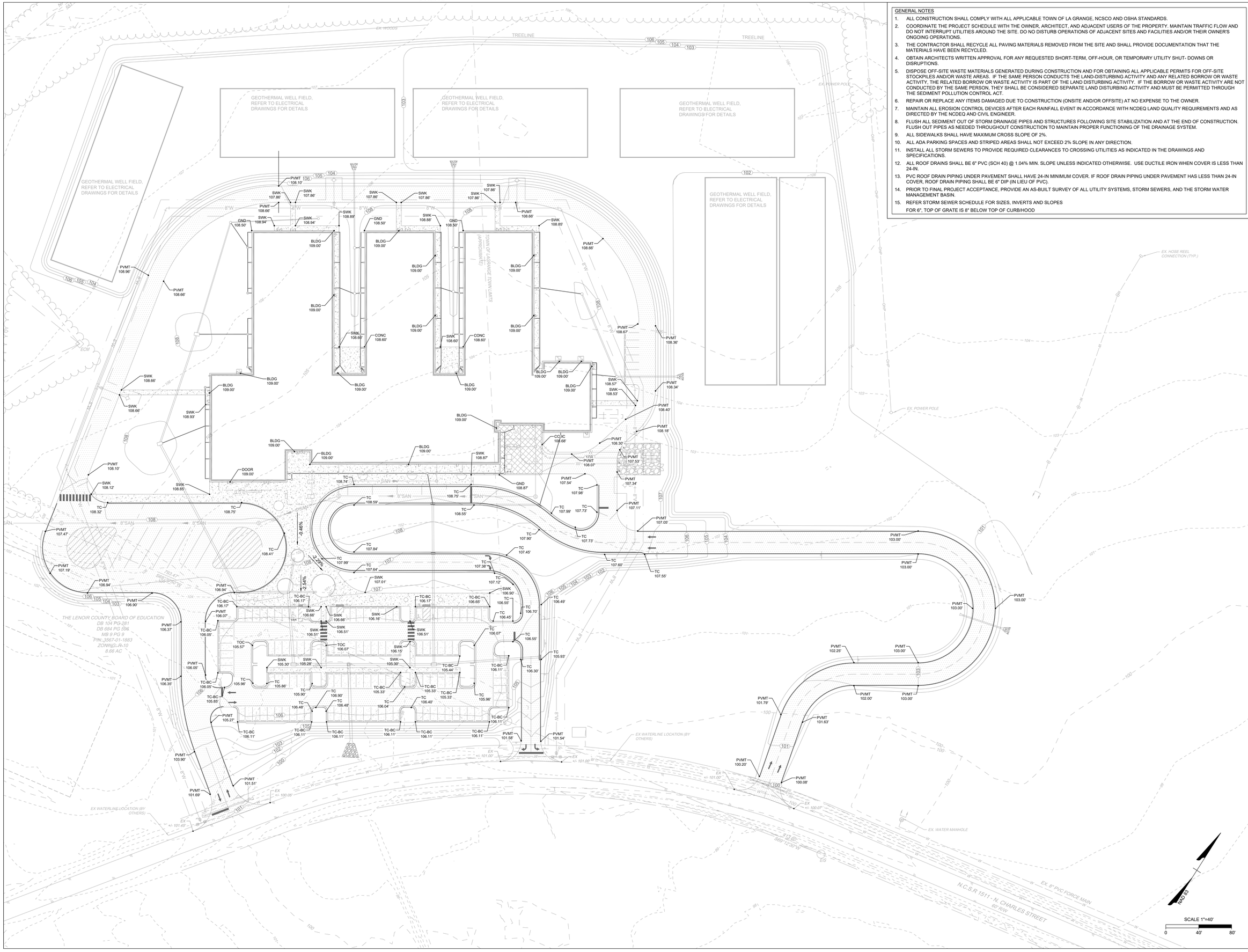
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GRADING & DRAINAGE PLAN

C5.0

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La Grange NC, 28551

ENERGY STAR PARTNER

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SPOT ELEVATION PLAN

C5.1

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| STORM PIPE TABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| PIPE # | DIA | FROM - TO | UPSTREAM INVERT | DOWNSTREAM INVERT | SLOPE | LENGTH | DESCRIPTION |
| A4 | 36" | A5 - A3 | 100.45 | 100.00 | 0.50% | 89.90 LF | 36" HDPE |
| A6 | 30" | A7 - A5 | 100.99 | 100.65 | 0.50% | 67.08 LF | 30" HDPE |
| A8 | 30" | A9 - A7 | 101.63 | 101.19 | 0.50% | 88.04 LF | 30" HDPE |
| A8-A | 18" | A7-A - A9 | 101.81 | 101.61 | 0.61% | 33.27 LF | 18" HDPE |
| A10 | 24" | A11 - A9 | 102.03 | 101.73 | 0.50% | 60.60 LF | 24" HDPE |
| A10-A | 18" | A11-A - A9 | 101.84 | 101.61 | 0.55% | 40.99 LF | 18" HDPE |
| A12 | 24" | A13 - A11 | 103.16 | 102.13 | 0.50% | 204.64 LF | 24" HDPE |
| A14 | 18" | A15 - A13 | 104.06 | 103.36 | 0.50% | 140.41 LF | 18" HDPE |
| A16 | 12" | A17 - A15 | 105.00 | 104.26 | 0.52% | 141.99 LF | 12" HDPE |
| A18 | 8" | A19 - A17 | 105.76 | 105.20 | 0.53% | 106.83 LF | 8" HDPE |
| B1 | 24" | B2 - A5 | 101.17 | 100.65 | 0.50% | 103.50 LF | 24" HDPE |
| B3 | 24" | B4 - B2 | 102.05 | 101.37 | 0.50% | 136.05 LF | 24" HDPE |
| B5 | 24" | B6 - B4 | 102.54 | 102.25 | 0.50% | 58.00 LF | 24" HDPE |
| B7 | 18" | B8 - B6 | 103.39 | 102.74 | 0.50% | 130.03 LF | 18" HDPE |
| C2 | 24" | C1 - B2 | 102.02 | 101.37 | 0.50% | 130.30 LF | 24" HDPE |
| E2 | 15" | E1 - E3 | 104.71 | 104.16 | 0.50% | 109.05 LF | 15" HDPE |
| E4 | 15" | E3 - E5 | 103.96 | 102.00 | 2.82% | 69.49 LF | 15" HDPE |

| STORM PIPE TABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| PIPE # | DIA | FROM - TO | UPSTREAM INVERT | DOWNSTREAM INVERT | SLOPE | LENGTH | DESCRIPTION |
| B8 | 12" | B7 - B9 | 106.13 | 105.88 | 0.50% | 49.55 LF | 12" HDPE |
| B10 | 12" | B9 - B11 | 105.68 | 105.40 | 0.50% | 55.43 LF | 12" HDPE |
| B12 | 12" | B11 - B13 | 105.20 | 104.00 | 1.32% | 90.99 LF | 12" HDPE |

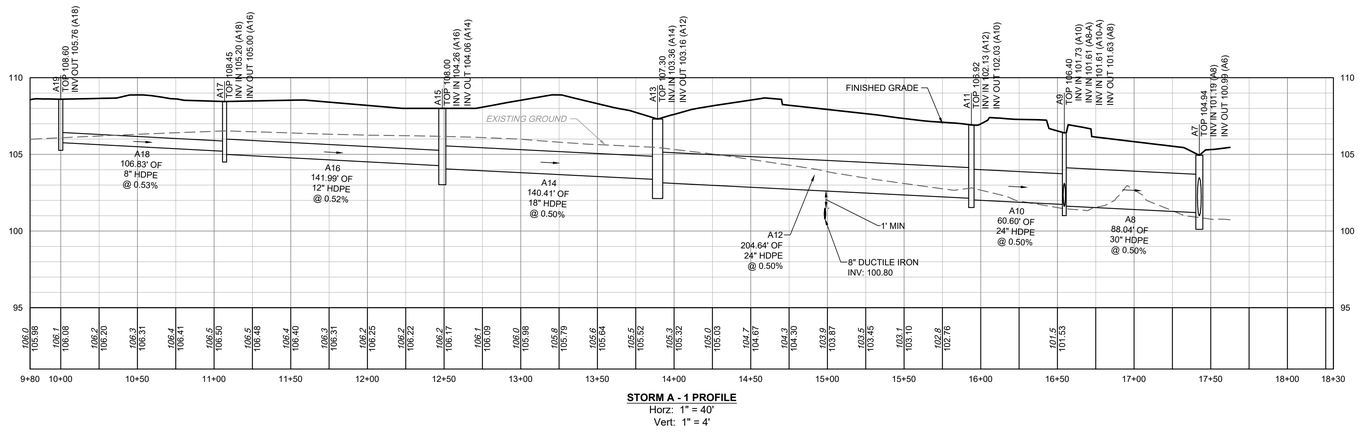
| STORM PIPE TABLE | | | | | | | |
|---|---|---|---|---|---|---|---|
| PIPE # | DIA | FROM - TO | UPSTREAM INVERT | DOWNSTREAM INVERT | SLOPE | LENGTH | DESCRIPTION |
| D2 | 12" | D1 - D3 | 105.86 | 105.60 | 0.50% | 51.87 LF | 12" HDPE |
| D4 | 12" | D3 - D5 | 105.40 | 105.13 | 0.50% | 53.46 LF | 12" HDPE |
| D6 | 12" | D5 - D7 | 104.93 | 103.00 | 2.06% | 93.87 LF | 12" HDPE |

| STORM STRUCTURE TABLE | | | |
|---|---|---|---|
| STRUCTURE # | TOP | STRUCTURE HEIGHT | DESCRIPTION |
| A3 | 103.25 | 0.00' | ES-1 for 36 inch Pipe |
| A5 | 105.74 | 5.54' | NCDOT 840.52 PRECAST MANHOLE |
| A7 | 104.94 | 3.96' | NCDOT 840.14 CONCRETE DROP INLET |
| A7-A | 106.41 | 4.60' | 18" NYLOPLAST DRAIN BASIN w/ H10 LOCKING GRATE & BOOT CONNECTOR |
| A9 | 106.40 | 5.40' | 30" NYLOPLAST DRAIN BASIN w/ H10 LOCKING GRATE |
| A11 | 106.92 | 4.88' | NCDOT 840.02 CONCRETE CATCH BASIN |
| A11-A | 107.63 | 5.80' | 18" NYLOPLAST DRAIN BASIN w/ H10 LOCKING GRATE & BOOT CONNECTOR |
| A13 | 107.30 | 4.31' | NCDOT 840.14 CONCRETE DROP INLET |
| A15 | 108.00 | 4.11' | NCDOT 840.14 CONCRETE DROP INLET |
| A17 | 108.45 | 3.45' | 24" NYLOPLAST DRAIN BASIN w/ H10 LOCKING GRATE |
| A19 | 108.60 | 2.83' | 24" NYLOPLAST DRAIN BASIN w/ H10 LOCKING GRATE |
| B2 | 104.94 | 3.77' | NCDOT 840.14 CONCRETE DROP INLET |
| B4 | 106.79 | 4.74' | NCDOT 840.02 CONCRETE CATCH BASIN |
| B6 | 107.87 | 5.33' | NCDOT 840.02 CONCRETE CATCH BASIN |
| B8 | 107.65 | 4.26' | NCDOT 840.02 CONCRETE CATCH BASIN |
| C1 | 105.45 | 3.43' | NCDOT 840.02 CONCRETE CATCH BASIN |
| E1 | 108.00 | 3.29' | 30" NYLOPLAST DRAIN BASIN w/ H10 LOCKING GRATE |
| E3 | 108.82 | 4.86' | 30" NYLOPLAST DRAIN BASIN w/ H10 LOCKING GRATE |
| E5 | 103.38 | 0.00' | ES-1 for 15 inch Pipe |

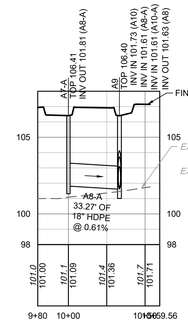
| STORM STRUCTURE TABLE | | | |
|---|---|---|---|
| STRUCTURE # | TOP | STRUCTURE HEIGHT | DESCRIPTION |
| B7 | 108.35 | 2.32' | 24" NYLOPLAST DRAIN BASIN w/ H10 LOCKING GRATE & BOOT CONNECTOR |
| B9 | 107.97 | 2.29' | 30" NYLOPLAST DRAIN BASIN w/ H10 LOCKING GRATE & BOOT CONNECTOR |
| B11 | 107.92 | 2.71' | 30" NYLOPLAST DRAIN BASIN w/ H10 LOCKING GRATE & BOOT CONNECTOR |
| B13 | 105.10 | | ES-1 for 12 inch Pipe |

| STORM STRUCTURE TABLE | | | |
|---|---|---|---|
| STRUCTURE # | TOP | STRUCTURE HEIGHT | DESCRIPTION |
| D1 | 108.35 | 2.59' | 24" NYLOPLAST DRAIN BASIN w/ H10 LOCKING GRATE & BOOT CONNECTOR |
| D3 | 107.97 | 2.57' | 30" NYLOPLAST DRAIN BASIN w/ H10 LOCKING GRATE & BOOT CONNECTOR |
| D5 | 107.92 | 2.98' | 30" NYLOPLAST DRAIN BASIN w/ H10 LOCKING GRATE & BOOT CONNECTOR |
| D7 | 104.10 | | ES-1 for 12 inch Pipe |

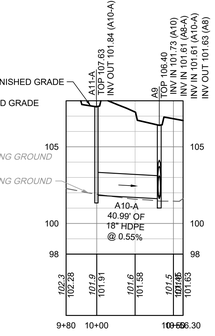
NOTES:
1. PIPE LENGTHS IN PROFILES ARE ACTUAL PIPE LENGTHS FROM CENTER TO CENTER OF STRUCTURE. PIPE LENGTHS IN DRAINAGE DESCRIPTIONS ARE PIPE LENGTHS AS MEASURED IN PLAN VIEW FROM CENTER TO CENTER OF STRUCTURE.
2. ALL NCDOT STRUCTURES GREATER THAN 3.5' DEEP REQUIRE DRAINAGE STRUCTURE STEPS 12" ON CENTER COMPLYING WITH NCDOT DRAWING 840.66.
3. ALL NYLOPLAST DRAIN BASINS REQUIRE CAST IRON H10 RATED LOCKING GRATE TOPS UNLESS OTHERWISE NOTED.
4. ALL STRUCTURES (INCLUDING NYLOPLAST DRAIN BASINS) TO HAVE INVERT SHAPING.
5. RCP CONNECTIONS INTO NYLOPLAST DRAIN BASINS TO BE MADE WITH A N-12 ADAPTER FITTING.
6. TOP ELEVATIONS OF NCDOT STRUCTURE NUMBER 840.02 REPRESENT GRATE TOP ELEVATION. PROVIDE FRAME, GRATE, AND HOOD PER NCDOT 840.03.



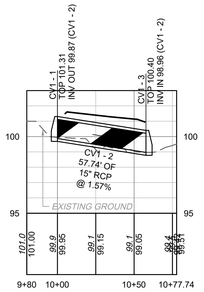

**STORM A - 1 PROFILE**
Horz: 1" = 40'
Vert: 1" = 4'



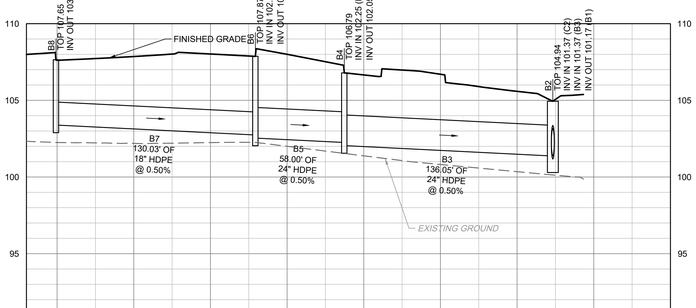

**STORM A - 7 PROFILE**
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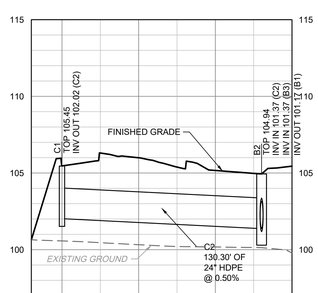

**STORM A - 8 PROFILE**
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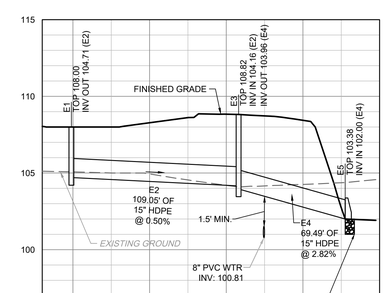

**CULVERT 1 PROFILE**
Horz: 1" = 40'
Vert: 1" = 4'



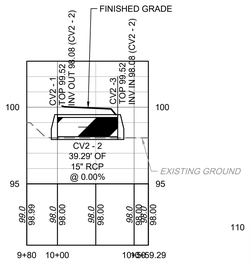

**STORM A - 2 PROFILE**
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Vert: 1" = 4'



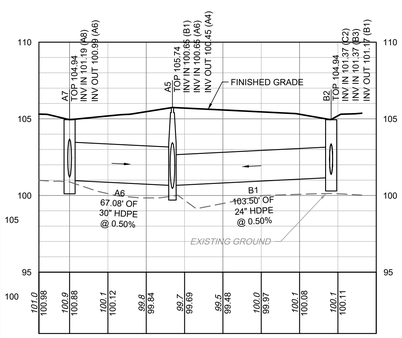

**STORM C - 3 PROFILE**
Horz: 1" = 40'
Vert: 1" = 4'



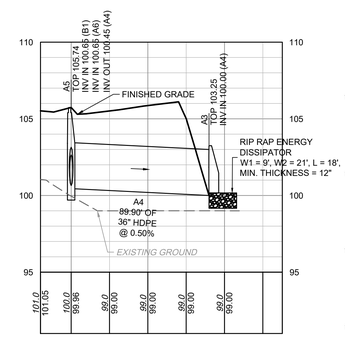

**STORM E - 4 PROFILE**
Horz: 1" = 40'
Vert: 1" = 4'



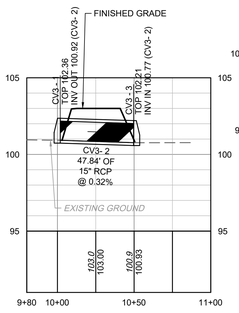

**CULVERT 2 PROFILE**
Horz: 1" = 40'
Vert: 1" = 4'




**STORM A - 5 PROFILE**
Horz: 1" = 40'
Vert: 1" = 4'



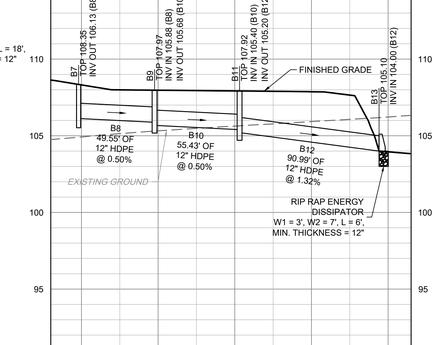

**STORM A - 6 PROFILE**
Horz: 1" = 40'
Vert: 1" = 4'



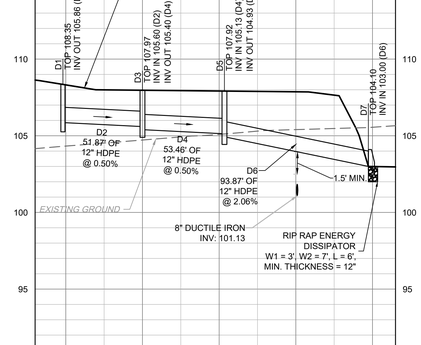

**CULVERT 3 PROFILE**
Horz: 1" = 40'
Vert: 1" = 4'




**KEY**
EX. GRADE
FINAL GRADE




**STORM B - 1 PROFILE**
Horz: 1" = 40'
Vert: 1" = 4'




**STORM D - 1 PROFILE**
Horz: 1" = 40'
Vert: 1" = 4'

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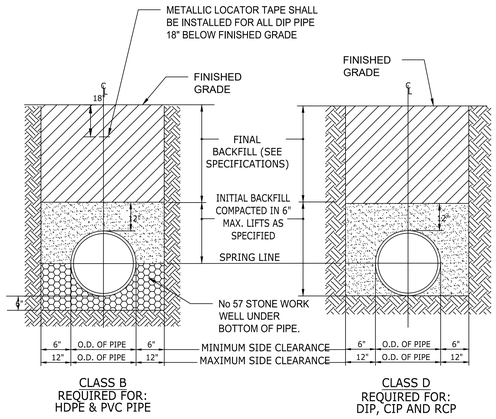
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STORM SEWER PROFILES & SCHEDULES

C5.2

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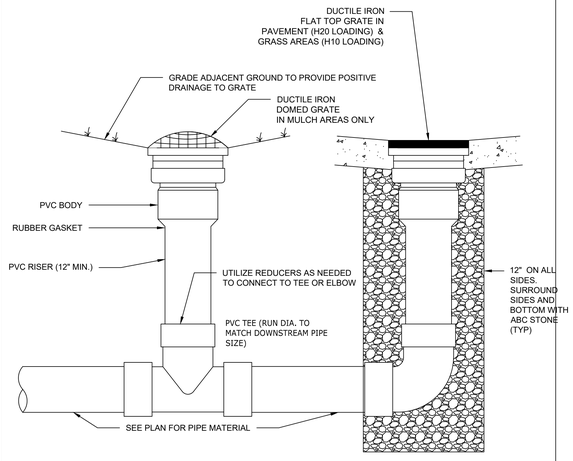
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NOTES

1. FOR TRENCHES REQUIRING SHORING AND BRACING, DIMENSIONS SHALL BE TAKEN FROM THE INSIDE FACE OF THE SHORING AND BRACING.
2. NO ROCKS OR BOULDERS 4" OR LARGER TO BE USED IN INITIAL BACKFILL.
3. ALL BACKFILL MATERIAL SHALL BE SUITABLE NATIVE MATERIAL.
4. BACKFILL SHALL BE TAMPED IN 6" LAYERS.
5. IF ROCK IS ENCOUNTERED AT BOTTOM OF TRENCH, OVER EXCAVATE ROCK A MIN. OF 6"CHS AND BACK FILL WITH NO. 67 STONE TO THE BOTTOM OF PIPE.

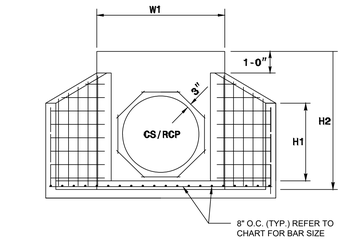
STORM SEWER TRENCHES N.T.S.



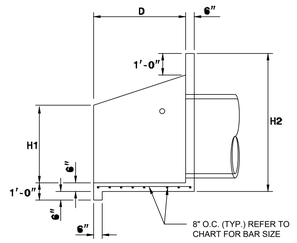

NOTES:

1. GRATES SHALL BE 18" DIAMETER, SLOTTED, CAST IRON, HINGED AT BASE.
2. PIPE AND FITTINGS SHALL BE PVC, SMOOTH INTERIOR AND EXTERIOR.
3. REFER TO DRAWING C-300 FOR INLINE DRAIN SCHEDULE.

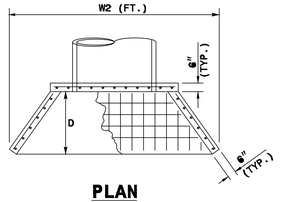
INLINE DRAIN N.T.S.




ELEVATION




SIDE




PLAN

NOTES:

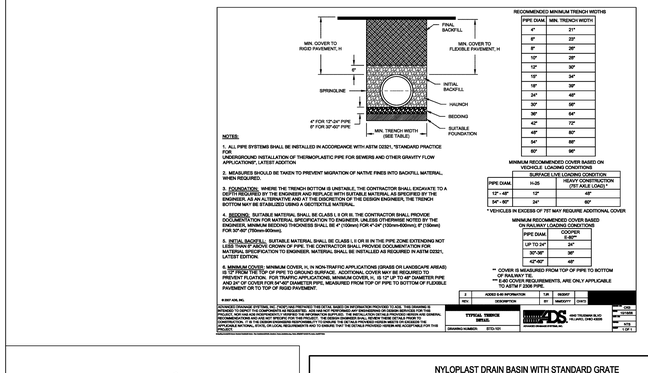
* THIS PRECAST ENDWALL MAY BE USED FOR THE FOLLOWING STANDARDS: 838.01, 838.11, 838.21, 838.27, 838.33, 838.39, 838.51, 838.57, 838.63 AND 838.69.
* INSTALL PRECAST ENDWALLS WITH WINGS AND PAY FOR IN ACCORDANCE WITH SPECIFICATION SECTION 838.
* USE 4000 PSI CONCRETE.
* PROVIDE ALL REINFORCING STEEL WHICH MEETS ASTM A615 FOR GRADE 60 AND WELDED WIRE FABRIC CONFORMING TO ASTM A185 WITH 2" MIN. CLEARANCE.
* PLACE LIFT HOLES OR PINS IN ACCORDANCE WITH OSHA STANDARD 1926.704.
* PIPE TO BE GROUTED INTO HEADWALL AT JOB SITE BY CONTRACTOR
* ALL ELEMENTS PRECAST TO MEET ASTM C913.
* WELDED WIRE FABRIC MAY BE SUBSTITUTED FOR REBAR AS LONG AS THE SAME AREA OF STEEL IS PROVIDED.
* CHAMFER ALL CORNERS 1" OR HAVE A RADIUS OF 1".

NOTE: THE MINIMUM BAR SIZE SHALL BE #5 BARS AT 8" CTS.THE CONTRACTOR WILL HAVE THE OPTION TO INCREASE THIS BAR SIZE AS NEEDED.

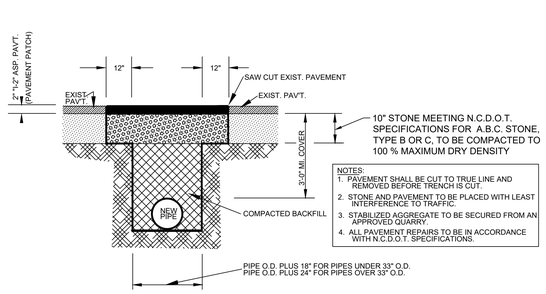
**ENDWALL DIMENSIONS**

| FT. | MINIMUM | MIN./MAX. | MIN./MAX. | MIN./MAX. | MIN./MAX. | MIN./MAX. |
|---|---|---|---|---|---|---|
| PIPE DIA. | BAR SIZE | H1(FT.) | H2(FT.) | D (FT.) | W1 | W2 |
| 1.0 | #5 @ 8" | 1.25/2.00 | 2.00/3.75 | 1.25/1.75 | 3.00/3.75 | 5.50/6.00 |
| 1.25 | #5 @ 8" | 1.25/2.00 | 3.00/3.75 | 1.25/2.00 | 3.50/3.75 | 6.50/6.75 |
| 1.50 | #5 @ 8" | 1.25/2.00 | 3.00/4.25 | 1.50/2.50 | 3.50/3.75 | 6.50/6.75 |
| 2.0 | #5 @ 8" | 1.50/2.50 | 4.00/4.75 | 1.75/2.50 | 4.00/4.25 | 7.50/8.25 |
| 2.5 | #5 @ 8" | 2.50/3.50 | 4.00/6.00 | 2.00/3.00 | 4.50/5.50 | 10.00/11.50 |
| 3.0 | #5 @ 8" | 3.00/3.50 | 5.00/6.00 | 2.75/3.50 | 5.25/5.75 | 11.50/11.75 |
| 3.5 | #5 @ 8" | 3.25/4.50 | 6.00/6.75 | 3.25/3.50 | 6.00/6.75 | 12.00/13.25 |
| 4.0 | #5 @ 8" | 3.50/4.50 | 6.50/7.00 | 3.25/3.50 | 6.50/6.75 | 13.00/13.25 |
| 4.5 | #5 @ 8" | 4.00/5.00 | 6.50/8.50 | 3.25/4.00 | 7.00/9.25 | 13.50/15.75 |
| 5.0 | #5 @ 8" | 4.50/5.00 | 7.00/8.50 | 3.25/4.00 | 7.25/9.25 | 13.75/15.75 |
| 5.5 | #5 @ 8" | 4.50/5.00 | 7.50/8.50 | 3.25/4.00 | 7.25/9.25 | 14.00/15.75 |
| 6.0 | #5 @ 8" | 4.50/5.00 | 7.50/8.50 | 3.25/4.00 | 7.75/9.25 | 14.75/16.75 |

NCDOT HEADWALL N.T.S.

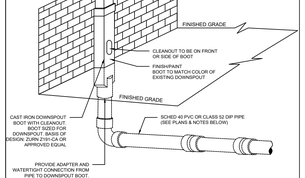



TYPICAL TRENCH IN BITUMINOUS SURFACE AREAS DETAIL N.T.S.




NOTES:

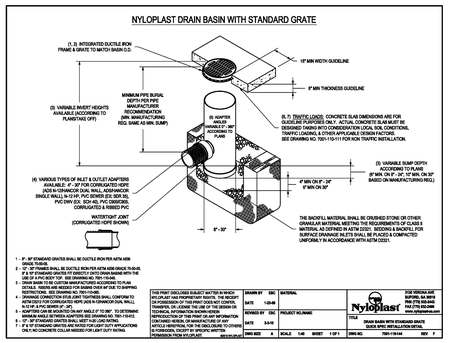
1. PAVEMENT SHALL BE CUT TO TRUE LINE AND REMOVED BEFORE TRENCH IS CUT.
2. STONE AND PAVEMENT TO BE PLACED WITH LEAST INTERFERENCE TO TRAFFIC.
3. STABILIZED AGGREGATE TO BE SECURED FROM AN APPROVED QUARRY.
4. ALL PAVEMENT REPAIRS TO BE IN ACCORDANCE WITH N.C.D.O.T. SPECIFICATIONS.

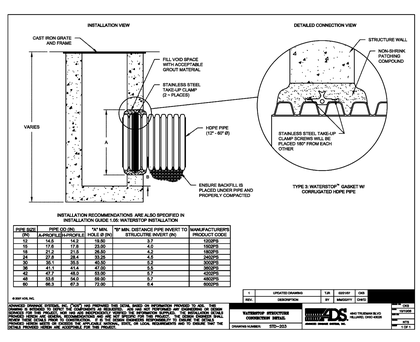



NOTES:

1. INSTALL CAST IRON DOWNSPOUT BOOT ON EXISTING DOWNSPOUT AND MOUNT SECURELY TO WALL.
2. FINISH / PAINT BOOT TO MATCH COLOR OF DOWNSPOUT.
3. ALL BELOW GRADE ROOF DRAINAGE PIPING SHALL BE 4" PVC @ 2.08% MIN. SLOPE UNLESS NOTED OTHERWISE ON DRAWINGS.
4. PIPE SHALL BE DIP WHEN LESS THAN 24" OF COVER IS PROVIDED.
5. VERIFY DOWNSPOUT DIMENSIONS MATCH BOOT DIMENSIONS PRIOR TO ORDERING BOOT OR ADAPTOR.
6. MAINTAIN A WATERTIGHT CONNECTION AT ALL PIPE CONNECTIONS BELOW GRADE.
7. THE SITE WORK CONTRACTOR IS RESPONSIBLE FOR ALL WORK TO AND INCLUDING THE 45° BEND FOR ROOF DRAINS. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF ROOF DRAINS.

DOWNSPOUT BOOT CONNECTOR N.T.S.



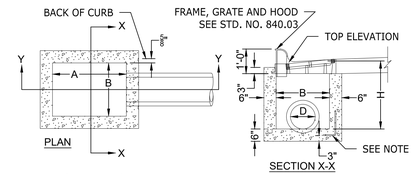




INSTALLATION RECOMMENDATIONS ARE ALSO SPECIFIED IN INSTALLATION GUIDE 1.05: WATERTIGHT INSERTA

| PIPE SIZE | PIPE OD (IN) | "A" MIN. | "B" MIN. DISTANCE PIPE INVERT TO SURFACE (INCHES) | MANUFACTURERS PRODUCT CODE |
|---|---|---|---|---|
| DN | SURFACE SLOTS | HOLE Ø (IN) | STRUCTURE WALL (IN) | |
| 12 | 14.8 | 19.00 | 3.7 | 1202P3 |
| 15 | 17.8 | 22.00 | 4.0 | 1502P3 |
| 18 | 21.5 | 26.00 | 4.3 | 1802P3 |
| 24 | 27.6 | 32.25 | 4.5 | 2402P3 |
| 30 | 35.1 | 40.00 | 5.0 | 3002P3 |
| 36 | 41.4 | 47.00 | 5.5 | 3602P3 |
| 42 | 47.7 | 53.00 | 5.7 | 4202P3 |
| 48 | 53.6 | 59.00 | 5.7 | 4802P3 |
| 60 | 66.3 | 72.00 | 6.4 | 6002P3 |

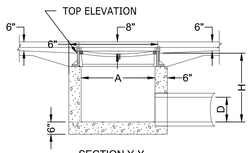
WATERTIGHT STRUCTURE CONNECTION DETAIL
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DRAWN BY: DSC
DATE: 1-25-08
PROJECT #LONAME
DATE: 3-3-11
SCALE: 1-48
SHEET: 1 OF 1
DWG NO.: 7001-119-R48
REV: P

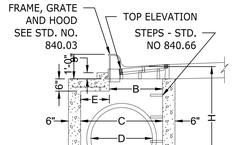
CONCRETE CATCH BASIN N.T.S.

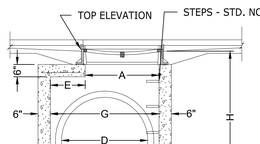


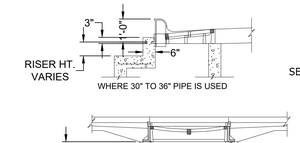

GENERAL NOTES:

1. USE CLASS "B" CONCRETE THROUGHOUT
2. PROVIDE ALL CATCH BASINS OVER 3'-6" IN DEPTH WITH STEPS 12" ON CENTER. USE STEPS WHICH COMPLY WITH STD. DRAWING 840.66.
3. OPTIONAL CONSTRUCTION - MONOLITHIC POUR, 2" KEYWAY, OR #4 BAR DOWELS AT 12" CENTERS AS DIRECTED BY THE ENGINEER
4. USE FORMS FOR THE CONSTRUCTION OF THE BOTTOM SLAB.
5. IF REINFORCED CONCRETE PIPE IS SET IN BOTTOM SLAB OF BOX, ADD TO SLAB AS SHOWN ON STD. NO. 840.00.
6. USE TYPE "E", "F" AND "G" GRATES UNLESS OTHERWISE INDICATED.
7. FOR 8'-0" IN HEIGHT OR LESS USE 6" WALLS AND BOTTOM SLAB. OVER 8'-0" TO 16'-0" IN HEIGHT USE 8" WALLS AND BOTTOM SLAB. ADJUST QUANTITIES ACCORDINGLY.
8. CONSTRUCT WITH PIPE CROWNS MATCHING.
9. CHAMFER ALL EXPOSED CORNERS 1"
10. DRAWING NOT TO SCALE.

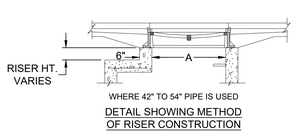


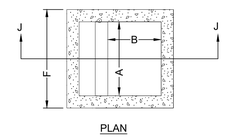



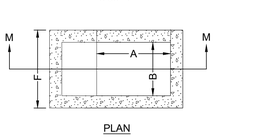

WHERE 30" TO 36" PIPE IS USED




WHERE 42" TO 54" PIPE IS USED

DETAIL SHOWING METHOD OF RISER CONSTRUCTION




MINIMUM DIMENSIONS AND QUANTITIES FOR CONCRETE CATCH BASIN (BASED ON MIN. HEIGHT, H, WITH NO RISER) *

| DIMENSIONS OF BOX AND PIPE | | | | | | COVER | | | | | | | | CU. YDS. CONC. IN BOX | | DEDUCTIONS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PIPE | SPAN | WIDTH | SPAN | SPAN | MIN.HEIGHT | DIMENSION | | BARS-U | | BARS-V | | BARS-W | | TOTAL | TOP | BOTTOM | TOT. CONC. | ONE PIPE |
| D | A | B | C | G | H | E | F | NO. | LENGTH | NO. | LENGTH | NO. | LENGTH | LBS. | SLAB | SLAB | FOR MIN. HEIGHT, H | C.M. | R.C. |
| 12" | 3' - 0" | 2' - 2" | -- | -- | 2' - 9" | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.235 | 0.772 | 0.015 | 0.026 |
| 15" | 3' - 0" | 2' - 2" | | | 3' - 0" | | | | | | | | | | | 0.235 | 0.829 | 0.023 | 0.036 |
| 18" | 3' - 0" | 2' - 2" | | | 3' - 3" | | | | | | | | | | | 0.235 | 0.887 | 0.033 | 0.049 |
| 24" | 3' - 0" | 2' - 2" | | | 3' - 9" | | | | | | | | | | | 0.235 | 1.001 | 0.059 | 0.085 |
| 30" | 3' - 0" | 2' - 2" | 3' - 4" | | 4' - 3" | 1' - 2" | 4' - 0" | 4 | 1' - 5" | 2 | 3' - 9" | 3 | 3' - 9" | 39 | 0.123 | 0.321 | 1.433 | 0.092 | 0.127 |
| 36" | 3' - 0" | 2' - 2" | 3' - 10" | | 4' - 9" | 1' - 8" | 4' - 0" | 4 | 1' - 11" | 3 | 3' - 9" | 3 | 3' - 9" | 43 | 0.161 | 0.358 | 1.714 | 0.132 | 0.178 |
| 42" | 3' - 0" | 2' - 2" | | 4' - 5" | 5' - 3" | 1' - 5" | 3' - 2" | 4 | 1' - 8" | 2 | 2' - 11" | 3 | 2' - 11" | 32 | 0.112 | 0.318 | 1.738 | 0.180 | 0.243 |
| 48" | 3' - 0" | 2' - 2" | | 5' - 0" | 5' - 9" | 2' - 0" | 3' - 2" | 4 | 2' - 3" | 3 | 2' - 11" | 3 | 2' - 11" | 35 | 0.145 | 0.352 | 2.052 | 0.235 | 0.317 |
| 54" | 3' - 0" | 2' - 2" | | 5' - 7" | 6' - 3" | 2' - 7" | 3' - 2" | 4 | 2' - 10" | 5 | 2' - 11" | 3 | 2' - 11" | 41 | 0.180 | 0.386 | 2.387 | 0.297 | 0.401 |

CURB INLET WITH "H" VALUES (HEIGHT) LESS THAN MINIMUM SHOWN IN CHART SHALL HAVE SHOP DRAWINGS SIGNED AND SEALED BY PROFESSIONAL ENGINEER

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NC LICENSE NO. C-1652

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405 North Charles Street
La Grange NC, 28551

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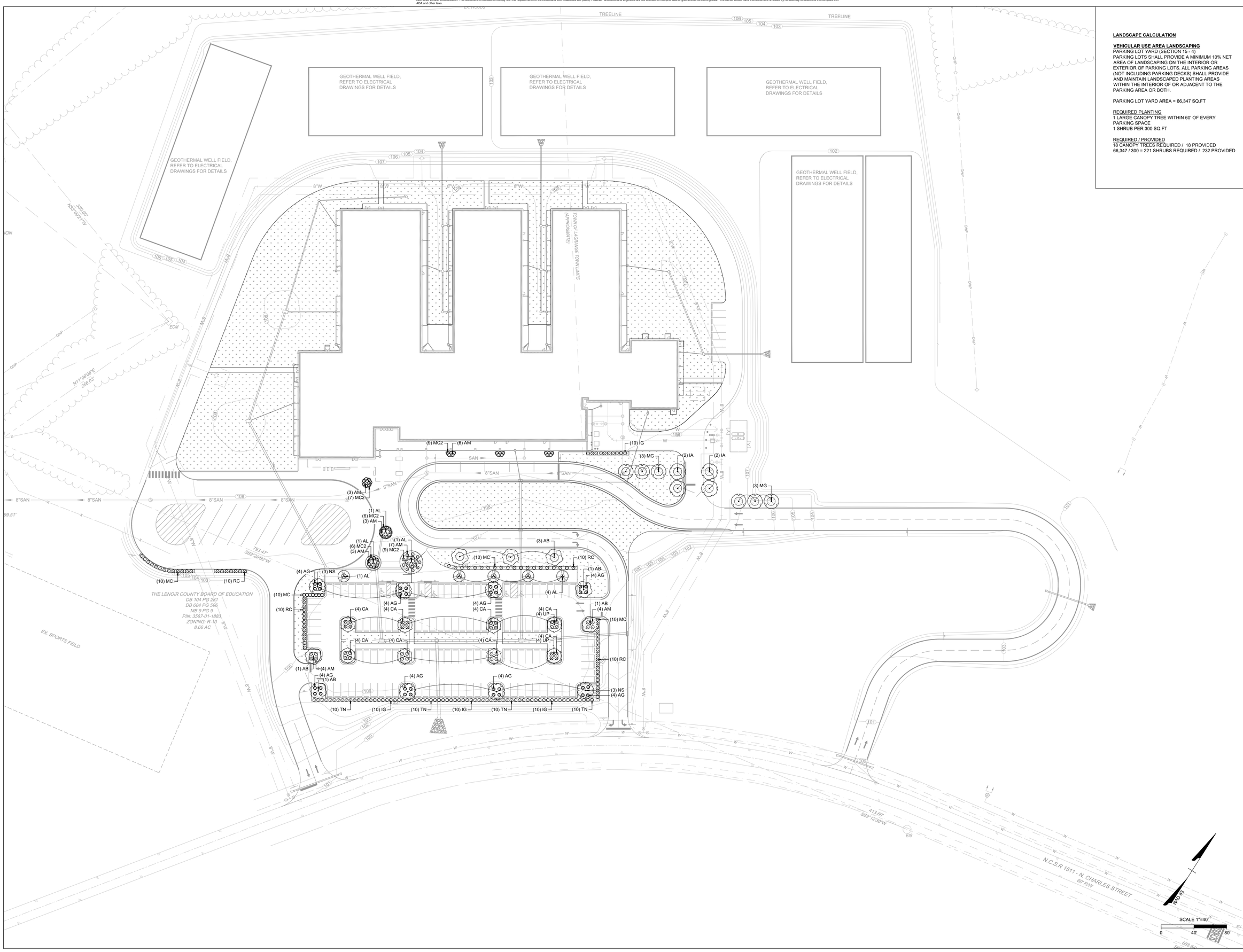
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DRAINAGE NOTES & DETAILS

C5.3

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**LANDSCAPE CALCULATION**

**VEHICULAR USE AREA LANDSCAPING**
PARKING LOT YARD (SECTION 15 - 4)
PARKING LOTS SHALL PROVIDE A MINIMUM 10% NET AREA OF LANDSCAPING ON THE INTERIOR OR EXTERIOR OF PARKING LOTS. ALL PARKING AREAS (NOT INCLUDING PARKING DECKS) SHALL PROVIDE AND MAINTAIN LANDSCAPED PLANTING AREAS WITHIN THE INTERIOR OF OR ADJACENT TO THE PARKING AREA OR BOTH.

PARKING LOT YARD AREA = 66,347 SQ.FT

REQUIRED PLANTING
1 LARGE CANOPY TREE WITHIN 60' OF EVERY PARKING SPACE
1 SHRUB PER 300 SQ.FT

REQUIRED / PROVIDED
18 CANOPY TREES REQUIRED / 18 PROVIDED
66,347 / 300 = 221 SHRUBS REQUIRED / 232 PROVIDED

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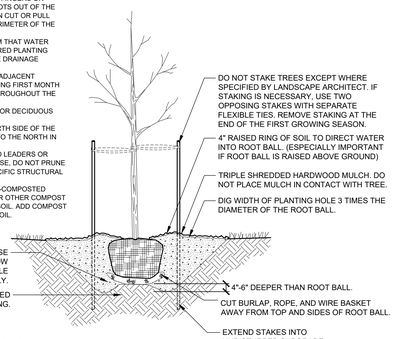
LANDSCAPE PLAN

L1.0

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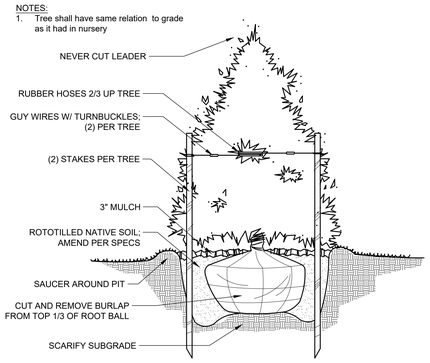
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NOTES:
1. WHERE SEVERAL TREES WILL BE PLANTED CLOSE TOGETHER SUCH THAT THEY WILL LIKELY SHARE ROOT SPACE, TILL IN SOIL AMENDMENTS TO A DEPTH OF 4-6" (10-15CM) OVER THE ENTIRE AREA.
2. FOR CONTAINER-GROWN TREES, USE FINGERS OR SMALL HAND TOOLS TO PULL THE ROOTS OUT OF THE OUTER LAYER OF POTTING SOIL, THEN CUT OR PULL APART ANY ROOTS CIRCLING THE PERIMETER OF THE CONTAINER.
3. DURING THE DESIGN PHASE, CONFIRM THAT WATER DRAINS OUT OF THE SOIL; USE LOWERED PLANTING HOLE DEPTH AND DESIGN ALTERNATE DRAINAGE SYSTEM AS REQUIRED.
4. THOROUGHLY SOAK ROOT BALL AND ADJACENT PREPARED SOIL SEVERAL TIMES DURING FIRST MONTH AFTER PLANTING AND REGULARLY THROUGHOUT THE FOLLOWING TWO SUMMERS.
5. THE PLANTING PROCESS IS SIMILAR FOR DECIDUOUS AND EVERGREEN TREES.
6. DO NOT WRAP TRUNK; MARK THE NORTH SIDE OF THE TREE IN THE NURSERY AND LOCATE TO THE NORTH IN THE FIELD.
7. AVOID PURCHASING TREES WITH TWO LEADERS OR REMOVE ONE AT PLANTING. OTHERWISE, DO NOT PRUNE TREE AT PLANTING EXCEPT FOR SPECIFIC STRUCTURAL CORRECTIONS
8. BEFORE PLANTING, ADD 3-4" OF WELL-COMPOSTED LEAVES, RECYCLED YARD WASTE OR OTHER COMPOST AND TILL INTO TOP 6" OF PREPARED SOIL. ADD COMPOST AT 20-35% BY VOLUME TO BACKFILL SOIL.

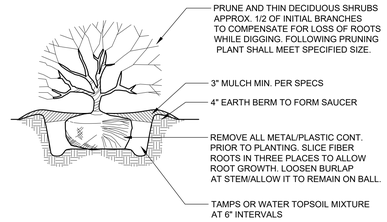



1 TREE PLANTING
NTS

NOTES:
1. Tree shall have same relation to grade as it had in nursery




2 EVERGREEN PLANTING
NTS




NOTES:
1. SOIL MIX: 1/3 ORGANIC MATTER, 2/3 EXIST SOIL.
2. WIDTH OF PLANT PIT: SANDY SOIL, 24" WIDER THAN PLANT BALL; CLAY SOIL, 12" WIDER THAN PLANT BALL
3. FOR PLANTING AREAS WHERE SOIL HAS BEEN COM-PACTED BY EQUIP. CONTACT LA PRIOR TO PLANTING.
4. FOR CAMELLIAS, RHODOS, AZALEAS, AND LAURELS: SOIL MIX, 2/3 ORGANIC AND 1/3 EXISTING SOIL
5. SHRUB SHALL BEAR SAME RELATIONSHIP TO GRADE AS IT DID PRIOR TO DIGGING.

3 SHRUB PLANTING
NTS

## GENERAL PLANTING NOTES:

1. ALL PLANT MATERIALS TO COMPLY WITH AMERICAN STANDARD FOR NURSERY STOCK ANSI.Z60
2. SUBSTITUTIONS OF PLANT MATERIALS SPECIFIED CAN ONLY OCCUR WITH PRIOR APPROVAL BY LANDSCAPE ARCHITECT.
3. CONTRACTOR ENGAGED IN LANDSCAPE IMPLEMENTATION SHALL BE A LANDSCAPE CONTRACTOR REGISTERED IN THE STATE OF NORTH CAROLINA.
4. PERFORM SOIL TEST IN ALL NEW PLANT BEDS AND AMEND SOILS AS RECOMMENDED.
5. INSTALL PLANTS AND MULCH PLANT BEDS WITH 3" SHREDDED HARDWOOD MULCH.
6. ALL TREES TO BE INSTALLED BETWEEN OCTOBER 1 AND MARCH 31.
7. CONTRACTOR TO GUARANTEE PLANT MATERIALS FOR A ONE YEAR PERIOD FOLLOWING SUBSTANTIAL COMPLETION.
8. AREAS DAMAGED BY ACTIVITIES OF CONTRACTOR SHALL BE RE-ESTABLISHED TO PRE-DISTURBANCE CONDITION AT NO ADDITIONAL COST TO THE OWNER.
9. USE HERBICIDES, PESTICIDES, AND FERTILIZER IN A MANNER CONSISTENT WITH THE FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT AND IN ACCORDANCE WITH LABEL RESTRICTIONS.
10. CONTRACTOR SHALL PROTECT ALL EXISTING VEGETATION TO REMAIN THROUGHOUT THE DURATION OF CONSTRUCTION.
11. CONTRACTOR SHALL INSURE THAT ALL PLANT MATERIAL IS FREE OF FIRE ANTS PRIOR TO INSTALLATION.
12. LANDSCAPE ARCHITECT / OWNER SHALL APPROVE PLACEMENT OF TREES PRIOR TO PLANTING.
13. PLANT SCHEDULE FOR REFERENCE ONLY. CONTRACTOR TO VERIFY QUANTITIES SHOWN ON PLANS.

## MAINTENANCE PLAN:

THE OWNERS OF THE PROPERTY AND THEIR AGENTS, HEIRS, OR ASSIGNS SHALL BE RESPONSIBLE FOR THE INSTALLATION, PRESERVATION AND MAINTENANCE OF ALL PLANTING AND PHYSICAL FEATURES SHOWN ON THIS PLAN. THE OWNERS SHALL BE RESPONSIBLE FOR ANNUAL MAINTENANCE OF THE VEGETATION TO INCLUDE, BUT NOT LIMITED TO:

A. FERTILIZATION: FERTILIZATION LAWN AREAS TWICE PER YEAR (ONCE IN EARLY MARCH AND ONCE IN MID-SEPTEMBER) PER SOIL TESTS.
B. PRUNING: PRUNING OF TREES SHALL BE LIMITED TO REMOVAL OF DEAD BRANCHES OR THE REMOVAL OF BRANCHES FOR THE FIRST 8' IN ORDER TO MAINTAIN CLEAR SIGHT LINES AND TO ENHANCE SAFETY. THE PRUNING OF SHRUBS SHALL BE LIMITED TO MAINTAINING THE NATURAL SHAPE OF THE PLANT AND THE REMOVAL OF DEAD WOOD.
C. MULCHING: MULCHING SHALL BE MAINTAINED AT 2-3" DEPTH IN PLANT BEDS AND REAPPLIED EVERY 2 YEARS OR AS NEEDED.
D. PROTECTION OF THE ROOT ZONES FROM EQUIPMENT, CONSTRUCTION AND RELATED MATERIALS. HEAVY EQUIPMENT AND VEHICLES SHALL BE KEPT OUT OF ESTABLISHED PLANT BEDS.
E. WATERING: PLANTS ARE TO BE REGULARLY WATERED FOR THE FIRST 6 MONTHS. ONCE ESTABLISHED MANUAL WATERING IS NOT TO OCCUR UNLESS THE HEALTH OF THE PLANT IS THREATENED BY LACK OF RAINFALL.

FAILURE TO MAINTAIN ALL PLANTINGS IN ACCORDANCE WITH THIS PLAN MY CONSTITUTE A VIOLATION OF THE LAND DEVELOPMENT ORDINANCE AND MAY RESULT IN FINES.

| PLANT SCHEDULE | | | | |
|---|---|---|---|---|
| CODE | QTY | BOTANICAL NAME | COMMON NAME | MIN. INSTALLED SIZE |
| DECIDUOUS TREES | | | | |
| AB | 7 | ACER RUBRUM `BRANDYWINE` | BRANDYWINE RED MAPLE | 2.5" CAL. |
| AL | 8 | AMELANCHIER LAEVIS | ALLEGHENY SERVICEBERRY | 2.5" CAL. |
| NS | 6 | NYSSA SYLVATICA | TUPELO | 2.5" CAL. |
| UP | 8 | ULMUS AMERICANA 'PRINCETON' | PRINCETON AMERICAN ELM | 2.5" CAL. |
| EVERGREEN TREES | | | | |
| IA | 4 | ILEX OPACA | AMERICAN HOLLY | 2.5" CAL. |
| MG | 6 | MAGNOLIA GRANDIFLORA 'LITTLE GEM' | LITTLE GEM DWARF SOUTHERN MAGNOLIA | 2.5" CAL. |
| SHRUBS | | | | |
| AG | 32 | ABELIA X GRANDIFLORA | GLOSSY ABELIA | 24" HT./SPRD. |
| AM | 30 | AZALEA ENCORE 'AUTUMN CHIFFON' | ENCORE AZALEA | 24" HT./SPRD. |
| CA | 32 | CALLICARPA AMERICANA | AMERICAN BEAUTYBERRY | 24" HT./SPRD. |
| IG | 40 | ILEX GLABRA | INKBERRY HOLLY | 24" HT./SPRD. |
| MC2 | 37 | MUHLENBERGIA CAPILLARIS | PINK MUHLY GRASS | 24" HT./SPRD. |
| MC | 40 | MYRICA CERIFERA | WAX MYRTLE | 24" HT./SPRD. |
| RC | 40 | RHODODENDRON CAROLINIANUM | CAROLINA RHODODENDRON | 24" HT./SPRD. |
| TN | 40 | THUJA OCCIDENTALIS 'AMERICAN PILLAR' | AMERICAN PILLAR ARBORVITAE | 24" HT./SPRD. |
| SYMBOL | QTY | BOTANICAL NAME | COMMON NAME | |
| GROUND COVERS | | | | |
| | 7,283 SF | MULCH | HARDWOOD MULCH | |
| | 108,230 SF | TURF SOD | SOD | |




NOTES:
1. All material to be free of toxic substances, weed seed, stones, sticks or other material harmful to plant growth. Topsoil: ph range of 6.0 to 7.0, min. 6% organic matter.
2. Compost: well-composted, stable, weed-free organic matter, ph range of 5.5 to 8.
3. Submit soil sample for analysis ... provide amendments per recommendations.
4. Remove any debris, rocks, or clumps 2" or larger.
5. Do not spread if planting soil, topsoil or subgrade is frozen, muddy, or excessively wet.

4 PLANTING SOIL PROFILE
NTS

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NORTH CAROLINA PROFESSIONAL SEAL 034374 ENGINEER Brandon L. McLamb 09/12/2024

Construction Documents

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TG CONTACT: BRANDON MCLAMB
TG PROJECT #: 64339
NC LICENSE NO. C-1652

Lenoir County
EB Frink Middle School
405 North Charles Street
La Grange NC, 28511

ENERGY STAR PARTNER

| | | |
|---|---|---|
| 1 | 02/18/2025 | BID SET / AGENCY COM. |

ISSUE DATE: 02/18/2025
PROJECT #: 02303.000
DRAWN BY: SFF
CHECKED BY: KTB

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LANDSCAPE NOTES & DETAILS

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# DESIGN CRITERIA

LOCATION: LA GRANGE, NORTH CAROLINA
BUILDING CODE: 2018 NORTH CAROLINA STATE BUILDING CODE
(2015 IBC WITH NORTH CAROLINA AMENDMENTS)

RICK CATEGORY III
BASIC LATERAL FORCE RESISTING SYSTEM:
INTERMEDIATE REINFORCED MASONRY SHEAR WALLS

**DESIGN LIVE LOADS**

| | |
|---|---|
| ROOF | 30 PSF |
| CLASSROOMS | 60 PSF |
| FIRST FLOOR CORRIDORS | 100 PSF |
| STORAGE | 125 PSF |
| MECHANICAL | 150 PSF |
| LOBBY | 100 PSF |

**ROOF SNOW LOAD** $P_g$ = 10 PSF
$C_e$ = 0.9
$I_s$ = 1.1
$C_t$ = 1.0

**RAIN ON SNOW** 15 PSF

**WIND LOAD** V = 133 MPH (3 SECOND GUST)
EXPOSURE C
DESIGN (DESIGN/ULTIMATE) WIND BASE SHEAR:
$V_x$ = 224k $V_y$ = 372k
INTERNAL PRESSURE COEFFICIENT = ±0.18
COMPONENTS & CLADDING PER ASCE 7 FIGURES 6-3

**WIND LOADS ON COMPONENTS & CLADDING FOR GIVEN TRIBUTARY AREAS (psf)**

| | ZONE | 10 SQ FT | 20 SQ FT | 50 SQ FT | 100 SQ FT | 500 SQ FT |
|---|---|---|---|---|---|---|
| ROOF | 1 | +24.4/-38.7 | +22.2/-37.7 | +19.4/-36.2 | +17.2/-35.2 | +17.2/-35.2 |
| | 2 | +24.4/-67.4 | +22.2/-62.1 | +19.4/-54.9 | +17.2/-49.5 | +17.2/-49.5 |
| | 3 | +24.4/-99.7 | +22.2/-93.3 | +19.4/-84.7 | +17.2/-78.2 | +17.2/-78.2 |
| ROOF OVHANG | 2 | N/A | N/A | N/A | N/A | N/A |
| | 3 | N/A | N/A | N/A | N/A | N/A |
| WALL | 4 | +42.3/-45.9 | +40.4/-44.0 | +37.9/-41.5 | +36.0/-39.6 | +31.6/-35.1 |
| | 5 | +42.3/-56.7 | +40.4/-52.9 | +37.9/-47.8 | +36.0/-44.0 | +31.6/-35.2 |

1. DETERMINE WIND LOADS ON COMPONENTS IN ACCORDANCE WITH THE NCSBC AND ASCE-7 OR WITH THIS TABLE. REFERENCE ASCE-7-10 CHAPTER 30. TRIBUTARY AREA = GREATER OF LxW OR LxL/3.
2. DESIGN FOR STRENGTH USING LOADS FROM ASCE-7 OR FROM THIS TABLE.
3. FOR SERVICEABILITY AND DEFLECTION REQUIREMENTS, REFER TO ASCE 7-10 APPENDIX C.
4. POSITIVE PRESSURES ARE DIRECTED TOWARD THE INTERIOR. NEGATIVE LOADS ARE DIRECTED AWAY FROM THE INTERIOR. NEGATIVE ROOF LOADS ARE UPLIFT LOADS.
5. NET UPLIFT IS EQUAL TO THE GROSS UPLIFT LOAD CALCULATED FROM ASCE-7 OR FROM THIS TABLE MINUS 60% OF THE ROOF DEAD LOAD.

**SEISMIC CRITERIA**

SEISMIC DESIGN VALUES DETERMINED UTILIZING 2008 USGS HAZARD DATA

| | | |
|---|---|---|
| SPECTRAL RESPONSE ACCELERATIONS | $S_s$ = 0.146 | $S_1$ = 0.071 |
| SITE CLASS D | | |
| SPECTRAL RESPONSE COEFFICIENTS | $S_{ds}$ = 0.156 | $S_{d1}$ = 0.113 |
| SEISMIC DESIGN CATEGORY B | | |
| DESIGN ULTIMATE SEISMIC BASE SHEAR: | $V_x$ = 644k | $V_y$ = 644k |
| IMPORTANCE FACTOR | $I_e$ = 1.25 | |
| DESIGN SEISMIC RESPONSE COEFFICIENT | $C_s$ = 0.0556 | |
| RESPONSE MODIFICATION FACTOR | R = 3.5 | |

**SPECIAL INSPECTION REQUIREMENTS**

THE FOLLOWING SYSTEMS ARE SUBJECT TO THE SPECIAL INSPECTION REQUIREMENTS OF THE NCSBC, CHAPTER 17.

1. CAST-IN-PLACE CONCRETE FOUNDATIONS
2. ELEVATED CAST-IN-PLACE CONCRETE SLABS
3. CONCRETE MASONRY (LOAD-BEARING OR LATERAL-LOAD RESISTING)
4. STRUCTURAL STEEL
5. COLD FORMED STEEL TRUSSES
6. STEEL DECK
7. PRECAST CONCRETE HOLLOW CORE PLANKS

# GENERAL NOTES

**GENERAL**

1. DESIGN, FURNISH, AND INSTALL TEMPORARY SHORING, BRACING, AND OTHER TEMPORARY SUPPORTS REQUIRED FOR CONSTRUCTING THE STRUCTURE AND TO MAINTAIN THE STABILITY THROUGHOUT ALL PHASES OF CONSTRUCTION UNTIL THE STRUCTURE IS COMPLETED. ALL TEMPORARY SUPPORTS ARE TO BE REMOVED UNLESS NOTED OTHERWISE.
2. USE STRUCTURAL DRAWINGS IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS AND THE DRAWINGS OF OTHER TRADES.
3. COORDINATE WITH OTHER TRADES THE ACTUAL LOCATIONS AND SIZES OF OPENINGS AND PENETRATIONS REQUIRED BY THEIR WORK.
4. COORDINATE WITH OTHER TRADES THE ACTUAL LOCATIONS AND ELEVATIONS OF BURIED SERVICES PASSING NEAR FOUNDATIONS. UNDERGROUND SERVICES WHICH PASS BENEATH WALL FOOTINGS SHALL HAVE AT LEAST 12" OF CLEARANCE BELOW THE BOTTOM OF THE FOOTING. WHERE THIS IS NOT ACHIEVED, EITHER STEP THE FOOTING DOWN BENEATH THE SERVICE OR INSTALL A STEEL PIPE SLEEVE FOR THE SERVICE TO PASS THROUGH. SLEEVES ARE FURNISHED AND INSTALLED BY THE TRADE INSTALLING THE SERVICE. NO SERVICE IS TO BE INSTALLED BENEATH COLUMN FOOTINGS UNLESS APPROVED BY THE ARCHITECT.
5. COORDINATE WITH OTHER TRADES THE ACTUAL LOCATIONS AND TYPES OF ATTACHMENTS AND ANCHORS THAT ARE REQUIRED BY THE TRADES TO FASTEN THEIR WORK TO THE STRUCTURE.
6. MODIFICATIONS TO STRUCTURAL COMPONENTS AND INSTALLATION OF PENETRATIONS THROUGH STRUCTURAL MEMBERS ARE NOT PERMITTED WITHOUT PRIOR APPROVAL OF THE ARCHITECT.
7. VERIFY ACTUAL DIMENSIONS, ELEVATIONS, AND CONDITIONS OF EXISTING CONSTRUCTION PRIOR TO PROCEEDING WITH WORK OR ORDERING MATERIALS WHICH COULD BE AFFECTED BY EXISTING CONDITIONS.

**FOUNDATIONS**

1. THE FOUNDATION DESIGN IS BASED ON "GEOTECHNICAL ENGINEERING REPORT" PREPARED BY ECS SOUTHEAST, LLP AND DATED APRIL 30, 2024.
2. ALL FOOTINGS SHALL BE PLACED ON UNDISTURBED SOIL OR COMPACTED STRUCTURAL FILL. ALLOWABLE BEARING PRESSURE IS 2000 PSF.
3. SOME AREAS OF VERY LOOSE NEAR SURFACE NATURAL SOILS WILL BE REQUIRED TO BE UNDERCUT AND BACKFILLED WITH PROPERLY PLACED AND COMPACTED STRUCTURAL FILL IN ORDER TO ACHIEVE THE REQUIRED BEARING CAPACITY. USE OF GEOTEXTILES AND SELECT GRANULAR FILL MAY BE RECOMMENDED BY THE GEOTECHNICAL ENGINEER TO REDUCE REQUIRED UNDERCUT DEPTHS.
4. ALL STRUCTURAL EARTH FILL SHALL BE PLACED IN LOOSE LIFTS NOT EXCEEDING 8 INCHES AND BE COMPACTED TO AT LEAST 95 PERCENT OF THE SOIL'S STANDARD PROCTOR MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D-698. THE TOP 12 INCHES OF FILL IN LOAD BEARING AREAS SHOULD BE COMPACTED TO AT LEAST 98 PERCENT OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY. ALL STRUCTURAL FILL MATERIAL SHALL BE COMPACTED AT A MOISTURE CONTENT WITHIN 3 PERCENT OF THE SOIL'S OPTIMUM MOISTURE CONTENT (AS DETERMINED BY ASTM D-698). ALL STRUCTURAL FILL SHALL BE PLACED UNDER THE FULL-TIME CONTROL OF AN ENGINEERING TECHNICIAN WORKING UNDER THE DIRECTION OF A GEOTECHNICAL ENGINEER. THE PLACEMENT AND COMPACTION OF ALL FILL MATERIAL SHALL BE MONITORED AND TESTED IN ORDER TO CONFIRM THAT THE RECOMMENDED DEGREE OF COMPACTION IS BEING OBTAINED. IF AN IMPORTED STRUCTURAL FILL IS REQUIRED TO COMPLETE SITE GRADING, IT SHALL BE APPROVED BY THE PROJECT GEOTECHNICAL ENGINEER PRIOR TO USE. IMPORTED STRUCTURAL FILL SHOULD TYPICALLY CONSIST OF LOW PLASTICITY SOIL (LL<50, PI<25), HAVE A STANDARD PROCTOR MAXIMUM DRY DENSITY OF AT LEAST 100 PCF, AND BE FREE OF ORGANIC AND OTHER DELETERIOUS MATERIALS. IF CLEAN SAND FILL IS NECESSARY TO REPLACE LOWER CONSISTENCY SOILS IN THE BUILDING AREA, THE SAND SHOULD CONTAIN LESS THAN 10 TO 12 PERCENT FINES.

**FOUNDATIONS (CONT.)**

4. FINISHED SUBGRADES IN BUILDING AREAS RECEIVING MORE THAN 7 FEET OF FILL SHALL BE MONITORED FOR SETTLEMENT DUE TO THE FILL LOADING. SETTLEMENT MONUMENTS SHOULD BE INSTALLED AT THE TOP OF THE FILL IMMEDIATELY UPON FILL COMPLETION WITH SETTLEMENT MEASUREMENTS TAKEN AT LEAST TWO PER WEEK UNTIL SETTLEMENTS HAVE STABILIZED. CONSTRUCTION F BUILDING FOUNDATIONS AND PAVEMENTS SHALL NOT OCCUR UNTIL IT IS CONFIRMED THAT SETTLEMENT DUE TO NEW FILL HAS STABILIZED.
5. NO FOUNDATIONS SHALL BE PLACED IN WATER OR ON FROZEN GROUND.
6. ALL FOOTING EXCAVATIONS ARE TO BE FINISHED BY HAND.
7. ALL FINISHED FOUNDATION EXCAVATIONS SHALL BE INSPECTED AND APPROVED BY THE ARCHITECT OR HIS DESIGNATE BEFORE ANY CONCRETE IS PLACED.
8. UNLESS OTHERWISE NOTED, ALL FOOTINGS AND PILASTERS SHALL BE CENTERED UNDER SUPPORTED MEMBERS.
9. DOWELS FROM FOUNDATIONS INTO PIERS, COLUMNS, BUTTRESSES, OR WALLS ABOVE SHALL BE THE SAME SIZE AND NUMBER AS VERTICAL REINFORCEMENT IN PIERS, COLUMNS, BUTTRESSES, OR WALLS ABOVE, EXCEPT AS OTHERWISE SHOWN ON THE DRAWINGS.
10. CAREFULLY FOLLOW THE REQUIREMENTS OF THE SPECIFICATIONS FOR BACKFILL UNDER OR ADJACENT TO ANY PORTION OF THE BUILDING.
11. WHERE FOUNDATION ELEMENTS ARE TO HAVE FILL ON BOTH SIDES, EACH SIDE SHALL BE FILLED SIMULTANEOUSLY, MAINTAINING A COMMON ELEVATION.
12. COORDINATE UNDERFLOOR DRAIN REQUIREMENTS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS AND THE REQUIREMENTS OF THE GEOTECHNICAL ENGINEER.
13. CONTRACTOR SHALL PROVIDE CONTINUOUS CONTROL OF SURFACE AND UNDERGROUND WATER AS REQUIRED DURING CONSTRUCTION SUCH THAT THE WORK IS DONE IN THE DRY.

**STRUCTURAL PRECAST CONCRETE**

1. HOLLOW CORE PLANKS SHALL BE NORMAL WEIGHT CONCRETE AND SHALL TEST MINIMUM 5,000 PSI AT 28 DAYS.
2. PRESTRESSING AND FABRICATION SHALL CONFORM TO THE STANDARDS OF ACI 318, 2014 EDITION.
3. PRECAST CONCRETE DESIGN SHALL CONFORM TO PRESTRESSED CONCRETE INSTITUTE DESIGN HANDBOOK, 7th EDITION.
4. PRECAST SHALL BE DESIGNED FOR THE SUPERIMPOSED LOAD INDICATED IN THE DESIGN CRITERIA, AND 15 PSF FOR MEP ATTACHMENTS.
5. PRECAST CONSTRUCTION SHALL PROVIDE A MINIMUM 2-HOUR FIRE RATING AS PER GOVERNING BUILDING CODE.
6. THE DESIGN AND DETAILING OF ALL PRECAST CONCRETE AND THEIR CONNECTIONS SHALL BE THE RESPONSIBILITY OF THE PRECAST FABRICATOR. THIS SHALL INCLUDE ALL BOLTS, PLATES, BRACES, REINFORCING, WELD SIZES, AND ANY EMBEDDED ITEMS IN BOTH PRECAST AND THE STRUCTURAL FRAME FOR ALL CONNECTIONS BETWEEN THE PRECAST AND THE SUPPORT FRAME. ALL CONNECTIONS SHOWN ON THE DRAWINGS ARE CONCEPTUAL IN NATURE AND ARE FOR BIDDING PURPOSES ONLY.
7. THE PRECAST DESIGN SHALL BE PREFORMED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NORTH CAROLINA . THE DESIGN SHALL CONFORM TO THE GOVERNING BUILDING CODE, THE PCI DESIGN MANUAL, AND ASCE 7-10. DESIGN CALCULATIONS, STAMPED BY THE REGISTERED ENGINEER, SHALL BE SUBMITTED FOR REVIEW BY THE ENGINEER OF RECORD. THE PRECAST FABRICATOR SHALL DESIGN THE ENTIRE STRUCTURAL SYSTEM FOR ALL GRAVITY AND LATERAL LOADS SHOWN ON THESE DRAWINGS AND REQUIRED BY THE GOVERNING BUILDING CODE.
8. DESIGN MODIFICATIONS MAY BE MADE ONLY AS NECESSARY TO MEET FIELD CONDITIONS AND TO ENSURE PROPER FITTING OF THE WORK, AND ONLY AS ACCEPTABLE TO THE ENGINEER OF RECORD. MAINTAIN GENERAL DESIGN CONCEPT BY SHOWING WITHOUT INCREASING OR DECREASING SIZES OF MEMBERS OR ALTERING PROFILES AND ALIGNMENT SHOWN.
9. REFER TO THE ARCHITECTURAL, MECHANICAL, AND PLUMBING DRAWINGS FOR LOCATIONS OF ALL OPENINGS, SLEEVES, AND PENETRATIONS IN THE STRUCTURE. ALL OPENINGS, PLANT-CAST OR FIELD-CUT, MUST BE REVIEWED AND APPROVED BY THE PRECAST FABRICATOR'S ENGINEER. SUBMIT WALL SHOP DRAWINGS NOTING REQUIRED OPENINGS FOR REVIEW. MECHANICAL SUBCONTRACTOR SHALL REVIEW AND APPROVE SHOP DRAWINGS PRIOR TO SUBMITTAL TO ARCHITECT.

**COLD-FORMED STEEL STRUCTURAL FRAMING**

1. ENGINEER, FABRICATE, AND INSTALL COLD-FORMED STEEL STRUCTURAL FRAMING FOR THE FOLLOWING:
   A. STRUCTURAL TRUSSES AS INDICATED ON ROOF PLANS.
2. ENGINEER, FABRICATE, AND INSTALL PERMANENT AND TEMPORARY BRACING, BRIDGING, CONNECTIONS, AND ANCHORAGES TO THE PRIMARY STRUCTURE FOR THE COMPONENTS LISTED ABOVE.
3. REFER TO ARCHITECTURAL DRAWINGS FOR NON-LOAD-BEARING COLD-FORMED STEEL CURTAIN WALL MEMBERS AND OTHER COLD-FORMED AND LIGHT GAGE STEEL MEMBERS NOT LISTED ABOVE.
4. COMPLY WITH THE FOLLOWING:
   A. AISI "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS".
   B. CCFSS TECHNICAL BULLETIN: "AISI SPECIFICATION FOR SCREW CONNECTIONS".
   C. AISI "DESIGN GUIDE FOR COLD-FORMED STEEL TRUSSES".
   D. AWS D1.3, "STRUCTURAL WELDING CODE, SHEET STEEL".
5. STRUCTURAL PERFORMANCE:
   A. DEAD, LIVE, WIND LOADS AND SEISMIC CRITERIA: SEE GENERAL NOTES ON THIS SHEET.
   B. LATERAL LOAD ON INTERIOR LOAD-BEARING WALLS: 5 PSF.
   C. HORIZONTAL DEFLECTION, EXTERIOR LOAD-BEARING WALL FRAMING: SPAN/600 FOR MASONRY VENEERS, SPAN/360 OTHERWISE.
   D. ALLOW FOR CONSTRUCTION TOLERANCES AND ACCOMMODATE LIVE LOAD DEFLECTIONS OF THE PRIMARY STRUCTURE OF UP TO 3/4 INCH.
   E. ASSUME NON-STRUCTURAL SHEATHING PROVIDES NO LATERAL BRACING TO FRAMING MEMBERS.
6. SUBMIT COMPLETED DESIGN CALCULATIONS AND ERECTION DRAWINGS SEALED BY A PROFESSIONAL ENGINEER LICENSED IN NORTH CAROLINA, TO THE ARCHITECT FOR REVIEW.
7. MATERIALS
   A. COLD-FORMED STEEL: ASTM A653, GRADE 33 UNLESS NOTED OTHERWISE, G60 COATING.
   B. MINIMUM UNCOATED-STEEL THICKNESS: 0.0428" FOR ALL MEMBERS, EXCEPT TRUSS MEMBERS.
   C. MINIMUM UNCOATED-STEEL THICKNESS, TRUSS MEMBERS: THICKNESS REQUIRED TO SATISFY DESIGN AND CONSTRUCTABILITY REQUIREMENTS.
   D. ANCHOR BOLTS: ASTM F1554, GRADE 36, ZINC-COATED IN ACCORDANCE WITH ASTM A153, CLASS C.
   E. EXPANSION AND ADHESIVE ANCHORS: AS INDICATED ELSEWHERE IN THE GENERAL NOTES.
   F. POWER-ACTUATED ANCHORS: CORROSION RESISTANT CARBON STEEL, 0.145" MINIMUM DIAMETER.
   G. MECHANICAL FASTENERS: CORROSION-RESISTANT-COATED CARBON STEEL, SELF-DRILLING, SELF-THREADING DRILL SCREWS, #10 MIN.
   H. WELD FILLER MATERIAL: IN ACCORDANCE WITH AWS D1.3
8. PERFORM WELDING WITH QUALIFIED WELDERS IN ACCORDANCE WITH AWS D1.3.
9. INSTALL PERMANENT BRIDGING, BRACING, AND ANCHORAGES TO THE PRIMARY STRUCTURES AS INDICATED ON APPROVED SHOP DRAWINGS.
10. INSTALL BENT PLATES AS INDICATED AT RIDGES, HIPS, VALLEYS, EAVES, AND OTHER TRANSITIONS TO PROVIDE ADEQUATE SUPPORT FOR DECKING AND SHEATHING.

**CAST-IN-PLACE CONCRETE**

1. MATERIALS
   A. PORTLAND CEMENT: ASTM C150, TYPE I.
   B. FLY ASH: ASTM A618, CLASS C OR F.
   C. NORMAL-WEIGHT AGGREGATE: ASTM C33, CLASS 3M.
   D. LIGHTWEIGHT AGGREGATE EXPANDED SHALE OR SLATE: ASTM C330.
   E. REINFORCING STEEL: ASTM A615 GRADE 60.
   F. REINFORCING STEEL, WELDABLE: ASTM A706.
   G. WELDED WIRE FABRIC: ASTM A185, FLAT SHEETS.
   H. UNDER-SLAB DRAINAGE LAYER/GRANULAR FILL: 6" GRAVEL OR SAND CONTAINING <5% PASSING THE #200 SIEVE.
   I. VAPOR BARRIER: ASTM E1745, CLASS B; FIVE-PLY, NYLON OR POLYESTER CHORD, 10 MILS THICKNESS.
   J. WATERSTOP: SELF EXPANDING.
2. CONCRETE MIXES
   A. FOOTINGS 3000 PSI NW
   B. SLABS-ON-GRADE: 3000 PSI NW.
   C. SLABS-ON-GRADE EXPOSED TO WEATHER: 4500 PSI NW, AIR-ENTRAINED
   D. CONCRETE COLUMNS: 4000 PSI NW.
   E. SUPPORTED SLABS ON STEEL DECK: 3500 PSI LW (TYPICAL)
3. PERFORM CONCRETE WORK IN ACCORDANCE WITH ACI 318 AND ACI 301.
4. PROVIDE CONCRETE COVER AS FOLLOWS:
   A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3".
   B. CONCRETE EXPOSED TO EARTH OR WEATHER:
      a. #5 OR SMALLER: 1 1/2".
      b. #6 OR LARGER: 2".
   C. CONCRETE NOT EXPOSED TO EARTH OR WEATHER:
      a. SLABS, WALLS, JOIST: 3/4" BEAMS, COLUMNS: 1 1/2" TO PRIMARY
      b. REINFORCEMENT, TIES, STIRRUPS, OR SPIRALS.
5. PROVIDE CONTINUOUS REINFORCEMENT WHEREVER POSSIBLE. SPLICE ONLY AS SHOWN OR APPROVED. MINIMUM LAP LENGTHS, EXPRESSED IN NUMBER OF BAR
6. DIAMETERS, SHALL BE AS FOLLOWS:

| BAR SIZE | NORMAL WT. CONCRETE STRENGTH, fc (psi) | | |
|---|---|---|---|
| | 3000 | 4000 | 5000 |
| #6 OR SMALLER | 57 DIA. | 49 DIA. | 44 DIA. |
| #7 OR LARGER | 71 DIA. | 62 DIA. | 55 DIA. |

MULTIPLY THE ABOVE LENGTHS BY 1.3 FOR TOP BARS AND BY 1.3 FOR LIGHTWEIGHT CONCRETE. WHERE BARS OF UNEQUAL DIAMETER ARE LAPPED, USE THE LAP LENGTH OF THE SMALLER BAR. THE ABOVE LENGTHS ARE CLASS "B" TENSION LAP SPLICES BASED ON GRADE 60 BARS WITH A COVER OF AT LEAST 1 BAR DIA. AND SPACING AT LEAST 3 BAR DIA. LAP LENGTHS SHALL BE INCREASED IN ACCORDANCE WITH ACI 318 IF COVER IS LESS THAN 1 BAR DIA. OR SPACING IS LESS THAN 3 BAR DIA.

7. ACCURATELY INSTALL AND PROPERLY SECURE ANCHORS, BEARING PLATES, SLEEVES, AND OTHER EMBEDDED ITEMS.
8. ACCURATELY LOCATE AND BLOCK OUT OPENINGS AND PENETRATIONS.
9. COORDINATE WITH OTHER TRADES FOR ANCHORS, EMBEDDED ITEMS, SLEEVES, AND PENETRATIONS REQUIRED AND/OR FURNISHED BY THE OTHER TRADES.
10. PROVIDE CONTRACTION JOINTS IN SLABS-ON-GRADE WHERE INDICATED ON THE PLANS. PROVIDE A JOINT DEPTH EQUAL TO AT LEAST 25% OF THE SLAB THICKNESS.
11. INSTALL AND SEAL VAPOR BARRIER IN ACCORDANCE WITH ASTM E1643 AND MANUFACTURER'S INSTRUCTIONS. LAP JOINTS 6" AND SEAL WITH MANUFACTURER'S RECOMMENDED TAPE.
12. FLOOR FINISHES:
   A. FLOAT FINISH: SURFACES TO RECEIVE A TROWEL FINISH, TO BE COVERED WITH FLUID-APPLIED OR SHEET WATERPROOFING, OR TO BE COVERED WITH BUILT-UP OR MEMBRANE ROOFING.
   B. TROWEL FINISH: SURFACES EXPOSED TO VIEW OR COVERED WITH RESILIENT FLOORING, CARPET, WOOD FLOORING, PAINT, SEALER, OR OTHER THIN FILM FINISH.
   C. TROWEL AND FINE-BROOM FINISH: SURFACES TO BE COVERED WITH QUARRY OR CERAMIC TILE INSTALLED BY THE THIN-SET OR THICK-SET METHOD.
   D. BROOM FINISH: EXTERIOR CONCRETE PLATFORMS, STEPS, AND RAMPS
13. FLOOR FINISH TOLERANCE:
   A. SLABS TO RECEIVE WOOD FLOORING:
      a. SPECIFIED OVERALL VALUES: FF=35 / FL=25.
      b. MINIMUM LOCAL VALUES: FF=24 / FL=17.
   B. ALL OTHERS RECEIVING TROWEL OR TROWEL AND FIN-BROOM FINISH:
      a. SPECIFIED OVERALL VALUES: FF=25 / FL=20.
      b. MINIMUM LOCAL VALUES: FF=17 / FL=15.
14. FLOOR FRAMING AND FLOOR DECK ARE DESIGNED TO REMAIN UNSHORED DURING CONCRETE PLACEMENT. ACCOUNT FOR AN EXPECTED DEFLECTION IN BEAMS AND GIRDERS OF UP TO 1/360 OF THE SPAN LENGTH (IN INCHES) OR 1 INCH, WHICHEVER IS LESS. WHEN CALCULATING CONCRETE QUANTITIES.
15. FINISH SLABS FLAT AND LEVEL.
16. NO CONDUIT OR PIPE MAY BE RUN WITHIN STRUCTURAL CONCRETE MEMBERS EXCEPT WHERE INDICATED.

**STRUCTURAL MASONRY**

1. SCOPE: THESE NOTES APPLY TO LOAD BEARING MASONRY OR MASONRY THAT IS PART OF THE LATERAL LOAD RESISTING SYSTEM. SEE ARCHITECTURAL FOR OTHER MASONRY.
2. ALL MASONRY WORK SHALL CONFORM TO THE "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" (ACI530-13) AND "SPECIFICATIONS FOR MASONRY STRUCTURES" (ACI530.1-13)
3. MATERIALS
   A. CONCRETE MASONRY UNITS: ASTM C90, 1900 PSI MIN. UNIT STRENGTH.
   B. MORTAR: ASTM C270, PROPORTION SPECIFICATION, TYPE S.
   C. GROUT: ASTM C476; SLUMP = 8" TO 11". COMPRESSIVE STRENGTH f'c = 3000 PSI
   D. MASONRY f'm = 1900 PSI.
   E. REINFORCING STEEL: ASTM A615, GRADE 60. Fs = 24,000 PSI
4. LAP REINFORCING AS FOLLOWS, UNLESS NOTED OTHERWISE.

| | | | |
|---|---|---|---|
| #3 | 1'-6" | #7 | 5'-0" |
| #4 | 2'-0" | #8 | 8'-0" |
| #5 | 2'-6" | #9 | 10'-0" |
| #6 | 4'-0" | #10 | 12'-6" |

5. INSTALL REINFORCING IN THE CENTER OF CELLS UNLESS INDICATED OTHERWISE.
6. ADEQUATELY SECURE REINFORCING TO PREVENT MOVEMENT PRIOR TO GROUT FILL.
7. GROUT ALL CELLS OF MASONRY UNITS INSTALLED BELOW FINAL GRADE.
8. ABOVE GRADE, GROUT ONLY REINFORCED CELLS UNLESS INDICATED OTHERWISE.

**STRUCTURAL STEEL**

1. MATERIALS
   A. STRUCTURAL STEEL WIDE FLANGE SHAPES: ASTM A992
   B. OTHER STRUCTURAL STEEL ROLLED SHAPES: ASTM A36
   C. RECTANGULAR OR ROUND HSS: ASTM A500, GR B
   D. STEEL PIPE: ASTM A53, GR B, TYPE OR F
   E. STEEL PLATE: ASTM A36
   F. HIGH STRENGTH BOLTS: ASTM A325
   G. ANCHOR RODS: ASTM F1554, GRADE 36
   H. WELD ELECTRODE: IN ACCORDANCE WITH AWS D1.1
2. FABRICATE AND ERECT STEEL IN ACCORDANCE WITH THE AISC SPECIFICATION. PERFORM SHOP AND FIELD WELDING IN ACCORDANCE WITH AWS D1.1 WITH CURRENTLY CERTIFIED WELDERS.
3. FLOOR FRAMING HAS BEEN DESIGNED TO REMAIN UNSHORED DURING CONCRETE PLACEMENT.
4. UNLESS NOTED OTHERWISE, ALL BOLTED CONNECTIONS ARE MADE WITH 3/4" HIGH STRENGTH BOLTS INSTALLED SNUG TIGHT.
5. FRAMING CONNECTIONS SHALL BE SELECTED BY THE STEEL FABRICATOR AND DESIGNED TO SUPPORT 1/2 THE TOTAL UNIFORM LOAD CAPACITY SHOWN IN THE ALLOWABLE UNIFORM LOAD TABLES OF THE AISC MANUAL OF STEEL CONSTRUCTION. THE EOR WILL REVIEW AND APPROVE THE PROPOSED CONNECTIONS.
6. WELD SHEAR CONNECTORS IN ACCORDANCE WITH AWS D1.1 WITH CURRENTLY CERTIFIED WELDERS. REMOVE AND DISCARD ARC SHIELDS AFTER WELDING.
7. STEEL PREPARATION AND FINISH:
   A. INTERIOR FRAMING: SSPC SP3 POWER TOOL CLEANING; PAINT 23 LATEX PRIMER FOR STEEL SURFACES.
   B. EXTERIOR FRAMING: SSPC SP6 COMMERCIAL BLAST CLEANING; PAINT 20 ZINC RICH PRIMER.
   C. BRICK RELIEF ANGLES: SSPC SP6 COMMERCIAL BLAST CLEANING; HOT DIPPED GALVANIZED.
8. ALL STEEL EXPOSED TO VIEW SHALL COMPLY WITH THE REQUIREMENTS OF SECTION 10 OF THE "AISC CODE OF STANDARD PRACTICE".
9. FOR BEAMS NOT MEETING THE MINIMUM SIZE REQUIREMENT OF THE UL ASSEMBLY, THE CONTRACTOR SHALL PROVIDE FOR APPROVAL W/D CALCULATIONS AS REQUIRED IN SECTION 722.5.2.2 OF THE NC STATE BUILDING CODE.

**STEEL DECK**

1. MATERIALS
   A. COMPOSITE STEEL FLOOR DECK: 3" DEEP, 16 GAGE, ASTM A653, SS, GRADE 33, G60 GALVANIZED COATING.
   B. STEEL ROOF DECK: 1 1/2" DEEP, TYPE B (WIDE RIB), 22 GAGE, ASTM A653, SS, GRADE 33, G60 GALVANIZED COATING.
   C. ACOUSTIC STEEL ROOF DECK: 3" DEEP, TYPE NA, 20 GAGE, ASTM A653, SS, GRADE 33, G60 GALVANIZED COATING.
   D. POUR STOPS, GIRDER FILLERS, COLUMN, END, AND Z CLOSURES, COVER PLATES, OTHER STEEL SHEET DECKING ACCESSORIES: THICKNESS AS REQUIRED FOR STRENGTH BUT NOT LESS THAN THE DECKING THICKNESS; OF THE SAME MATERIAL AND FINISH AS THE DECKING MATERIAL.
   E. MECHANICAL FASTENERS: CORROSION RESISTANT SELF-DRILLING CARBON STEEL SCREWS, #10 MINIMUM DIAMETER.
   F. WELD ELECTRODE: IN ACCORDANCE WITH AWS D1.3.
2. FABRICATE AND ERECT DECK IN ACCORDANCE WITH SDI PUBLICATION NO. 29. PERFORM WELDING IN ACCORDANCE WITH AWS D1.3 WITH CURRENTLY CERTIFIED WELDERS.
3. CUT AND NEATLY FIT DECK AROUND OPENINGS AND OTHER WORK PROJECTING THROUGH THE DECK.
4. PROVIDE ADDITIONAL SUPPORT AND CLOSURE PIECES AS REQUIRED FOR STRENGTH, CONTINUITY OF DECK, AND SUPPORT OF OTHER WORK
5. COMPOSITE FLOOR DECK ATTACHMENT
   A. AT SUPPORTS, WELD EDGE AND INTERIOR RIBS OF DECK UNITS AT EACH SUPPORT AT AN AVERAGE SPACING OF 12" (18" MAXIMUM) WITH 5/8" NOMINAL DIAMETER PUDDLE WELDS. WELDING WASHERS SHALL BE USED ON ALL DECK UNITS WITH A METAL THICKNESS LESS THAN 0.028 INCHES.
   B. AT PERIMETER EDGES BETWEEN SUPPORTS, FASTEN WITH 1 1/2" LONG WELDS SPACED A MAXIMUM OF 36" APART.
   C. AT SIDE LAPS, INSTALL #10 SELF DRILLING SCREWS A MAXIMUM OF 36 INCHES APART.
   D. END BEARING: 1 1/2" MINIMUM.
   E. END JOINTS: BUTTED OR LAPPED.
6. 1 1/2" DEEP ROOF DECK ATTACHMENT TO COLD-FORMED STEEL.
   A. FASTEN ROOF DECK PANELS TO COLD-FORMED STEEL SUPPORTING MEMBERS WITH MINIMUM OF #10 SELF-DRILLING SCREWS OR EQUIVALENT.
   B. FASTEN EDGES AND INTERIOR RIBS OF DECK UNITS TO EACH SUPPORTING MEMBER WITH A MINIMUM OF FIVE SCREWS PER DECK UNIT.
   C. FASTENER SPACING: WITHIN THE FIELD OF THE ROOF, SPACE FASTENERS 12" APART, MAXIMUM. WITHIN 13'-4" OF ROOF PERIMETERS, RIDGES, AND HIPS, SPACE FASTENERS AT 6" APART. FASTEN ENDS OF EACH INDIVIDUAL ROOF DECK UNIT @ 6"
   D. FASTEN SIDE LAPS WITH #10 SELF-DRILLING SCREWS AT THE LESSER OF 36" OR ONE HALF OF THE SPAN. DECK SPANS 36" OR LESS DO NOT REQUIRE SIDE LAP FASTENERS. END BEARING: 1 1/2" MINIMUM.
   E. END JOINTS: LAPPED
   F. DO NOT HANG ANYTHING FROM THE ROOF DECK.
   G. MECHANICAL FASTENERS OR POWER-DRIVEN FASTENERS MAY BE USED AS APPROVED BY ENGINEER OF RECORD.
7. 3" DEEP ROOF DECK ATTACHMENT TO STRUCTURAL STEEL/STEEL JOISTS.
   A. WELD ROOF DECK PANELS TO COLD-FORMED STEEL SUPPORTING MEMBERS WITH MINIMUM OF 5/8" DIAMETER PUDDLE WELDS OR EQUIVALENT.
   B. WELD EDGES AND INTERIOR RIBS OF DECK UNITS TO EACH SUPPORTING MEMBER WITH A MINIMUM OF THREE WELDS PER DECK UNIT.
   C. FASTENER SPACING: WITHIN THE FIELD OF THE ROOF, SPACE FASTENERS 16" APART, MAXIMUM. WITHIN 13'-4" OF ROOF PERIMETERS, RIDGES, AND HIPS, SPACE FASTENERS AT 8" APART. FASTEN ENDS OF EACH INDIVIDUAL ROOF DECK UNIT @ 8"
   D. FASTEN SIDE LAPS WITH #10 SELF-DRILLING SCREWS AT THE LESSER OF 36" OR ONE HALF OF THE SPAN. DECK SPANS 36" OR LESS DO NOT REQUIRE SIDE LAP FASTENERS. END BEARING: 1 1/2" MINIMUM.
   E. END JOINTS: LAPPED
   F. DO NOT HANG ANYTHING FROM THE ROOF DECK.
   G. MECHANICAL FASTENERS OR POWER-DRIVEN FASTENERS MAY BE USED AS APPROVED BY ENGINEER OF RECORD.

**POST-INSTALLED ANCHORS**

UNLESS OTHERWISE INDICATED ON PLANS, POST-INSTALLED ANCHORS SHALL CONSIST OF THE FOLLOWING ANCHOR TYPES, OR APPROVED EQUAL:

| | ADHESI

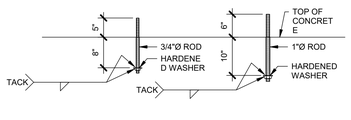
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## COLUMN FOOTING SCHEDULE

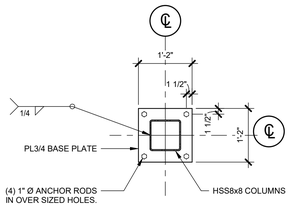
| MARK | WIDTH | LENGTH | DEPTH | REINF. | COMMENTS |
|---|---|---|---|---|---|
| F4.0 | 4'-0" | 4'-0" | 1'-0" | (4) #5 | |
| F5.0 | 5'-0" | 5'-0" | 1'-0" | (5) #6 | |
| F6.0 | 6'-0" | 6'-0" | 1'-0" | (6) #7 | |
| F8.0 | 8'-0" | 8'-0" | 2'-0" | (9) #7 | T&B |
| F8X6 | 8'-0" | 6'-0" | 1'-4" | (8) #7 SW & (7) #7 LW | T&B |
| F14x6 | 14'-0" | 6'-0" | 2'-0" | (7) #6 LW & (15) #6 SW | T&B |

## WALL FOOTING SCHEDULE

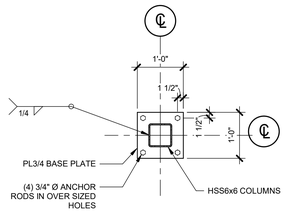
| MARK | WIDTH | DEPTH | COMMENTS |
|---|---|---|---|
| WF1 | 1'-8" | 1'-0" | |
| WF2 | 2'-0" | 1'-0" | |
| WF3 | 2'-4" | 1'-0" | |
| WF4 | 2'-8" | 1'-0" | |
| WF5 | 3'-0" | 1'-0" | |
| WF6 | 3'-4" | 1'-0" | |
| WF9 | 5'-0" | 1'-0" | |
| WF10 | 6'-0" | 1'-6" | |



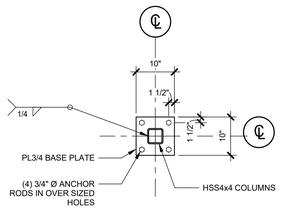

2 / S-101 TYPICAL ANCHOR RODS
3/4" = 1'-0"




HSS8x8

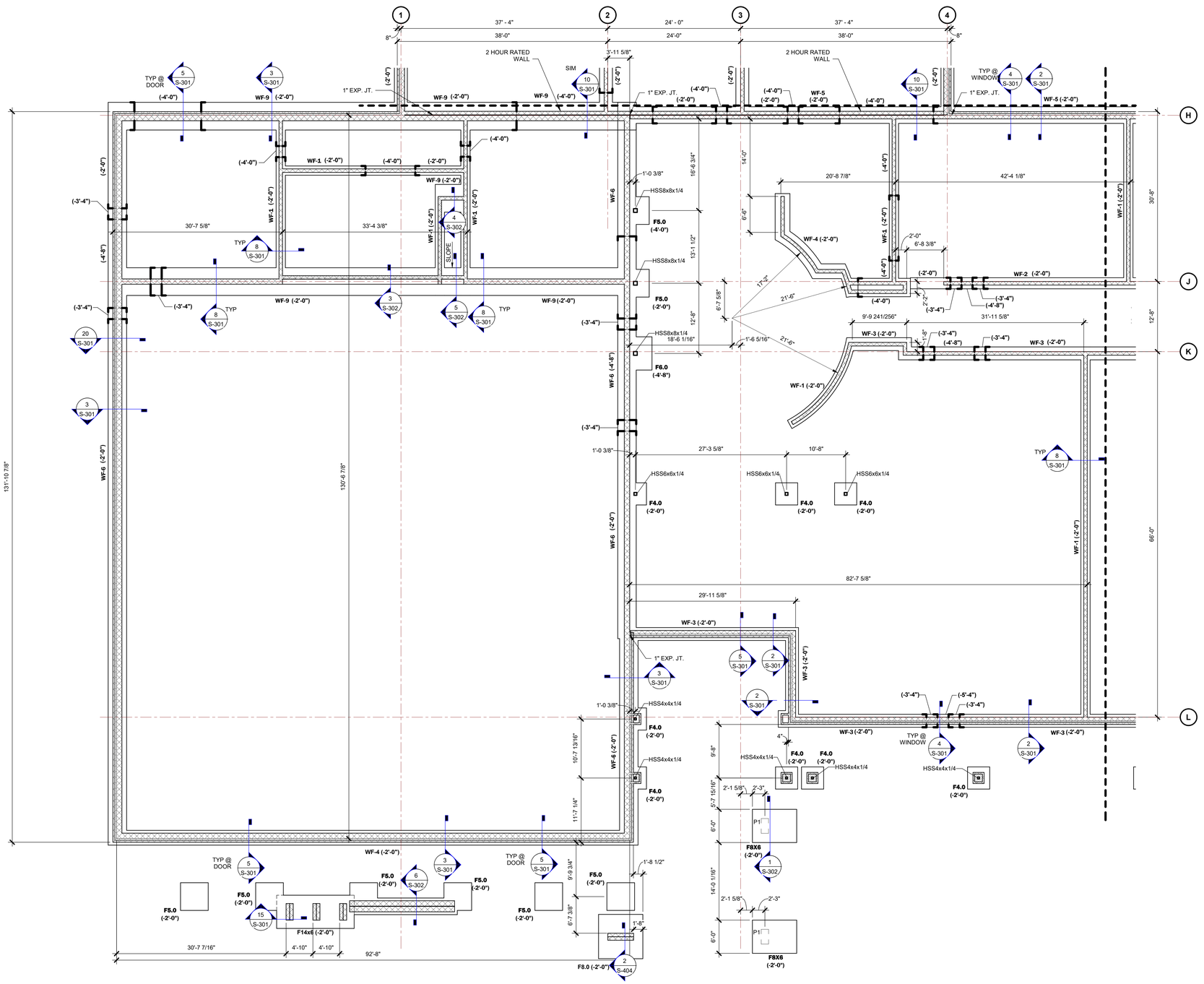



HSS6x6



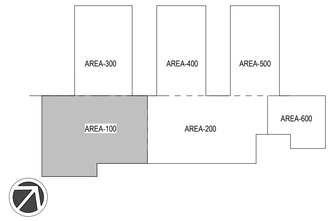

HSS4x4

3 / S-101 TYPICAL COLUMN BASE PLATES
3/4" = 1'-0"




1 / S-101 FOUNDATION PLAN - AREA 100
1/8" = 1'-0"

**FOUNDATION NOTES:**
1. NUMBER IN PARENTHESIS DENOTES TOP OF FOOTING BELOW FIN. FLOOR ELEVATION = 0'-0".
2. **F4.0** DENOTES COLUMN FOOTING. SEE S-101 FOR SCHEDULE.
3. SEE S-111 FOR CMU WALL REINFORCING REQUIREMENTS.
4. IN ADDITION TO REINFORCING SHOWN ON THE DRAWINGS, PROVIDE #6 VERT. BAR IN JAMBS OF ALL DOORS AND WINDOWS. PROVIDE #6 VERT. BAR EA. SIDE OF EXPANSION JOINTS AND CONTROL JOINTS. SEE ARCH'L FOR JOINT LOCATIONS, SEE DETAIL 14/S-301.
5. ⌐¬ DENOTES STEPPED FOOTING. SEE 19/S-301 FOR DETAIL. G.C. COORDINATE STEP LOCATION AND DEPTH W/ PLUMBING CONTRACTOR PRIOR TO FOOTING EXCAVATION.
6. REFER TO ARCH'L DRAWINGS FOR INTERIOR WALL DIMENSIONS NOT SHOWN ON STRUCTURAL.
7. PROVIDE BOND BEAMS IN MASONRY WALLS @ 9'-4" MAX AND BEARING LOCATIONS AND TOP COURSE OF ALL WALLS.
8. PROVIDE CORNER BARS IN BOND BEAMS AT WALL CORNERS AND INTERSECTIONS. LAP 2'-0".




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NORTH CAROLINA PROFESSIONAL SEAL 037412 ENGINEER TIMOTHY K. WILSON 9/12/24

Construction Documents

Lenoir County
**EB Frink Middle School**
405 North Charles Street La Grange NC, 28551

ENERGY STAR PARTNER

| No. | Date | Description |
|---|---|---|
| 1 | 2/18/25 | BID SET/AGENCY COM. |

ISSUE DATE: 02/18/2025
PROJECT #: 02303.000
DRAWN BY: RJT
CHECKED BY: TH

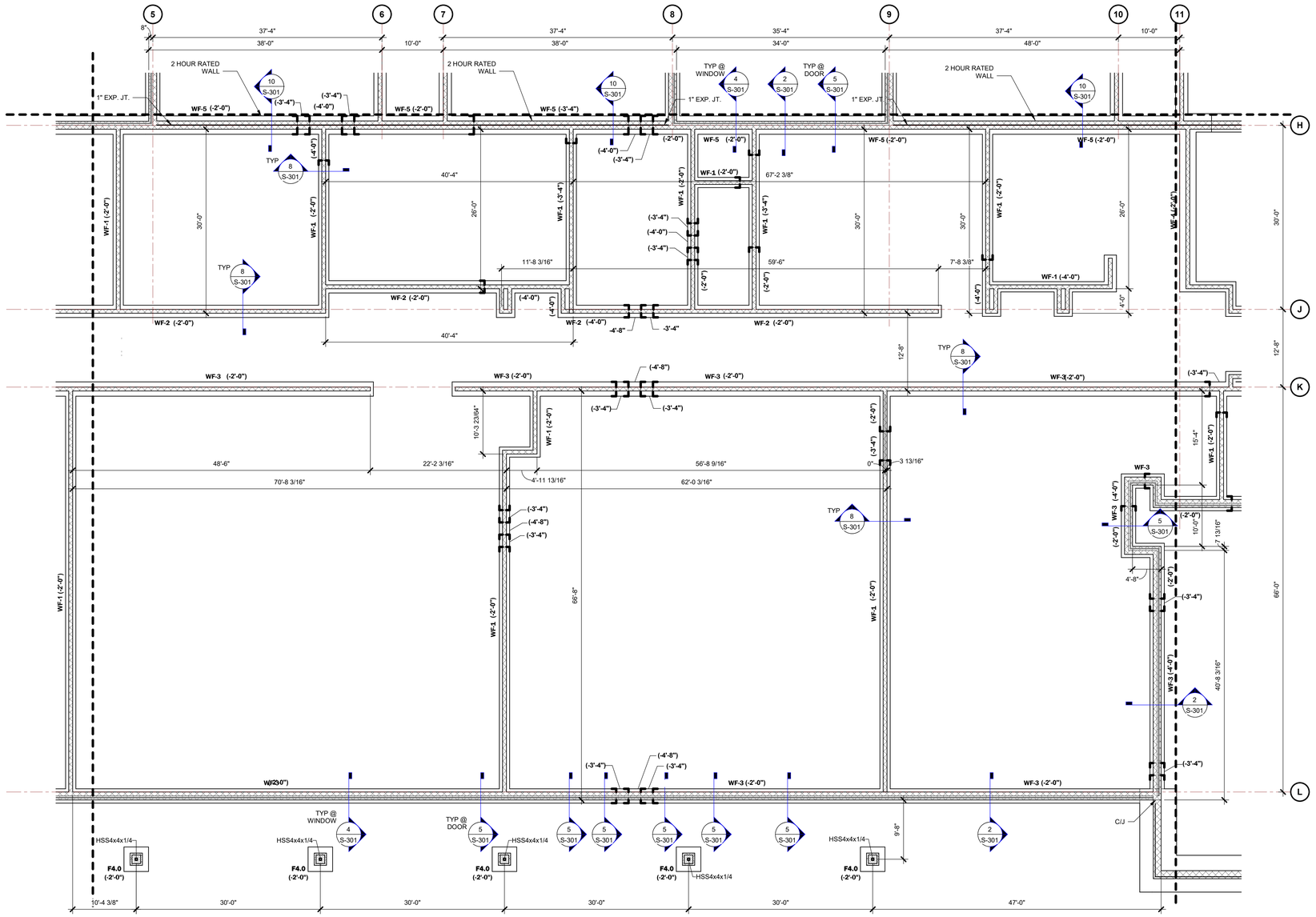
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FOUNDATION PLAN - AREA 100

S-101

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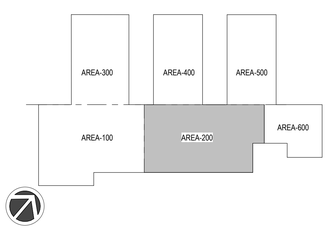



## 1 S-102 FOUNDATION PLAN - AREA 200

1/8" = 1'-0"

**FOUNDATION NOTES:**

1. NUMBER IN PARENTHESIS DENOTES TOP OF FOOTING BELOW FIN. FLOOR ELEVATION = 0'-0".
2. **F4.0** DENOTES COLUMN FOOTING. SEE S-101 FOR SCHEDULE.
3. SEE S-112 FOR CMU WALL REINFORCING REQUIREMENTS.
4. IN ADDITION TO REINFORCING SHOWN ON THE DRAWINGS, PROVIDE #6 VERT. BAR IN JAMBS OF ALL DOORS AND WINDOWS. PROVIDE #6 VERT. BAR EA. SIDE OF EXPANSION JOINTS AND CONTROL JOINTS. SEE ARCH'L FOR JOINT LOCATIONS. SEE DETAIL 14/S-301.
5. ⌐¬ DENOTES STEPPED FOOTING. SEE 19/S-301 FOR DETAIL. G.C. COORDINATE STEP LOCATION AND DEPTH W/ PLUMBING CONTRACTOR PRIOR TO FOOTING EXCAVATION.
6. REFER TO ARCH'L DRAWINGS FOR INTERIOR WALL DIMENSIONS NOT SHOWN ON STRUCTURAL.
7. PROVIDE BOND BEAMS IN MASONRY WALLS @ 9'-4" MAX AND BEARING LOCATIONS AND TOP COURSE OF ALL WALLS.
8. PROVIDE CORNER BARS IN BOND BEAMS AT WALL CORNERS AND INTERSECTIONS. LAP 2'-0".




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NORTH CAROLINA PROFESSIONAL SEAL 037412 ENGINEER TIMOTHY K. WILTON
9/12/24

Construction Documents

Lenoir County
# EB Frink Middle School
405 North Charles Street La Grange NC, 28551

ENERGY STAR PARTNER

| No. | Date | Description |
|---|---|---|
| 1 | 2/18/25 | BID SET/AGENCY COM. |

ISSUE DATE: 02/18/2025
PROJECT #: 02303.000
DRAWN BY: RJT
CHECKED BY: TH

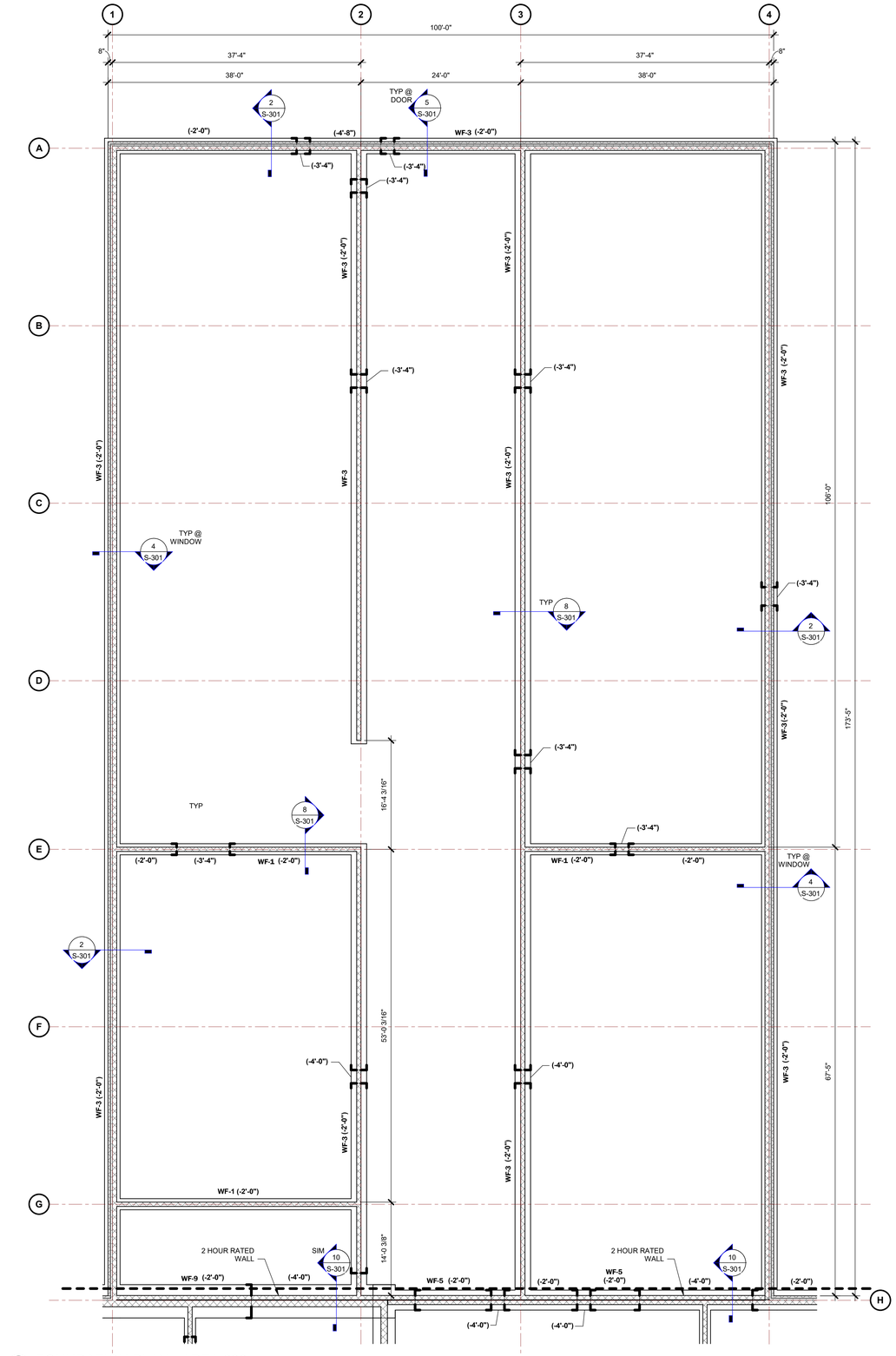
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FOUNDATION PLAN - AREA 200

S-102

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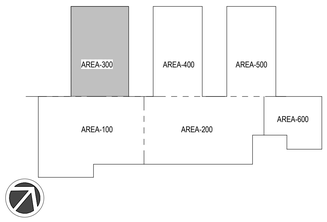
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1 S-103 FOUNDATION PLAN - AREA 300
1/8" = 1'-0"

**FOUNDATION NOTES:**

1. NUMBER IN PARENTHESIS DENOTES TOP OF FOOTING BELOW FIN. FLOOR ELEVATION = 0'-0".
2. **F4.0** DENOTES COLUMN FOOTING. SEE S-101 FOR SCHEDULE.
3. SEE S-113 FOR CMU WALL REINFORCING REQUIREMENTS.
4. IN ADDITION TO REINFORCING SHOWN ON THE DRAWINGS, PROVIDE #6 VERT. BAR IN JAMBS OF ALL DOORS AND WINDOWS. PROVIDE #6 VERT. BAR EA. SIDE OF EXPANSION JOINTS AND CONTROL JOINTS. SEE ARCH'L FOR JOINT LOCATIONS. SEE DETAIL 14/S-301.
5. ▛▜ DENOTES STEPPED FOOTING. SEE 19/S-301 FOR DETAIL. G.C. COORDINATE STEP LOCATION AND DEPTH W/ PLUMBING CONTRACTOR PRIOR TO FOOTING EXCAVATION.
6. REFER TO ARCH'L DRAWINGS FOR INTERIOR WALL DIMENSIONS NOT SHOWN ON STRUCTURAL.
7. PROVIDE BOND BEAMS IN MASONRY WALLS @ 9'-4" MAX AND BEARING LOCATIONS AND TOP COURSE OF ALL WALLS.
8. PROVIDE CORNER BARS IN BOND BEAMS AT WALL CORNERS AND INTERSECTIONS. LAP 2'-0".




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9/12/24

Construction Documents

Lenoir County
# EB Frink Middle School
405 North Charles Street La Grange NC, 28551

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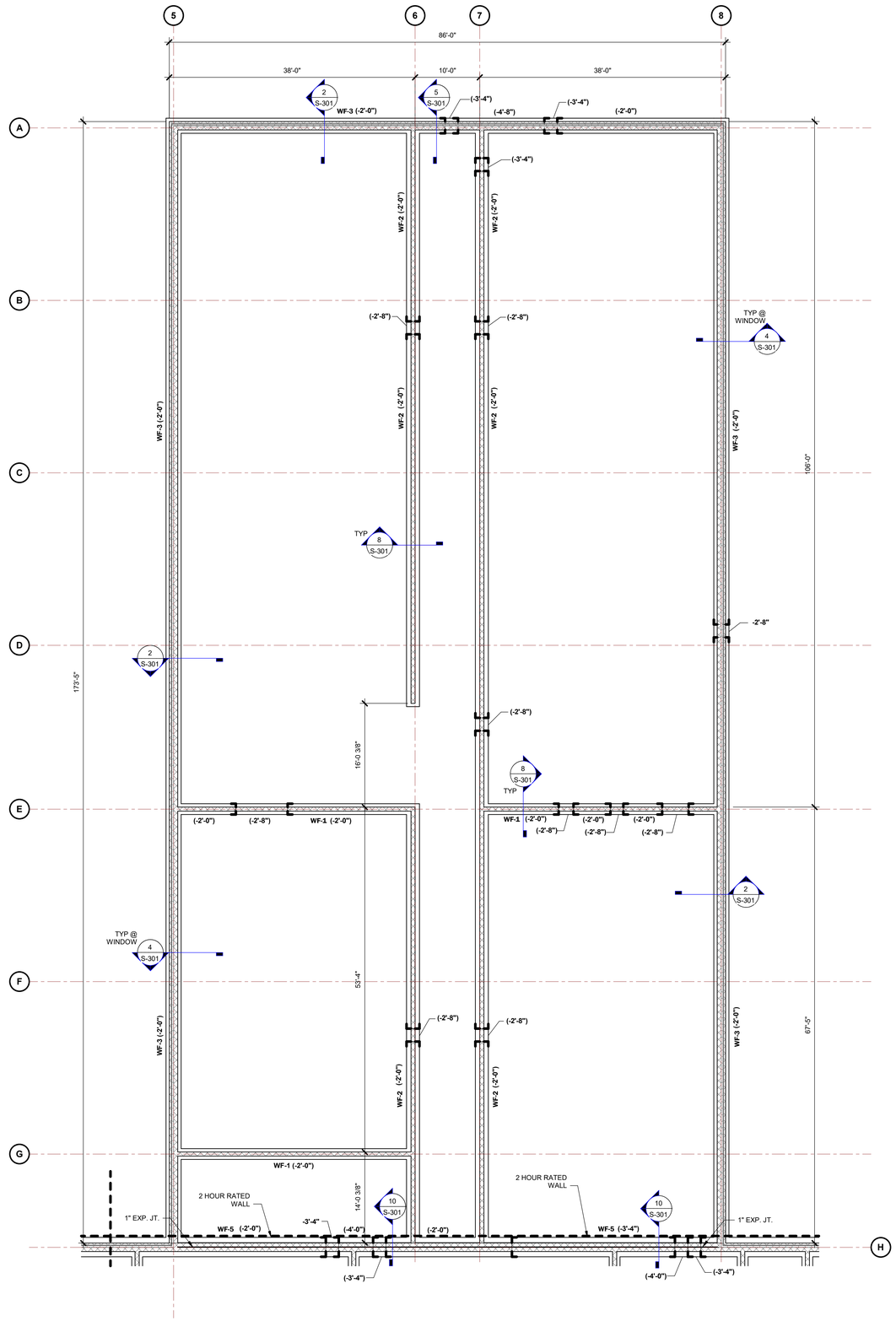
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FOUNDATION PLAN - AREA 300

S-103

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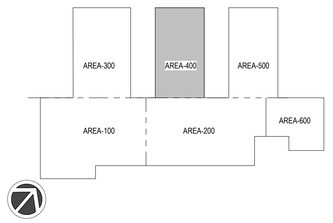



1 S-104 FOUNDATION PLAN - AREA 400

1/8" = 1'-0"

**FOUNDATION NOTES:**

1. NUMBER IN PARENTHESIS DENOTES TOP OF FOOTING BELOW FIN. FLOOR ELEVATION = 0'-0".
2. **F4.0** DENOTES COLUMN FOOTING. SEE S-101 FOR SCHEDULE.
3. SEE S-114 FOR CMU WALL REINFORCING REQUIREMENTS.
4. IN ADDITION TO REINFORCING SHOWN ON THE DRAWINGS, PROVIDE #6 VERT. BAR IN JAMBS OF ALL DOORS AND WINDOWS. PROVIDE #6 VERT. BAR EA. SIDE OF EXPANSION JOINTS AND CONTROL JOINTS. SEE ARCH'L FOR JOINT LOCATIONS. SEE DETAIL 14/S-301.
5. ⌐¬ DENOTES STEPPED FOOTING. SEE 19/S-301 FOR DETAIL. G.C. COORDINATE STEP LOCATION AND DEPTH W/ PLUMBING CONTRACTOR PRIOR TO FOOTING EXCAVATION.
6. REFER TO ARCH'L DRAWINGS FOR INTERIOR WALL DIMENSIONS NOT SHOWN ON STRUCTURAL.
7. PROVIDE BOND BEAMS IN MASONRY WALLS @ 9'-4" MAX AND BEARING LOCATIONS AND TOP COURSE OF ALL WALLS.
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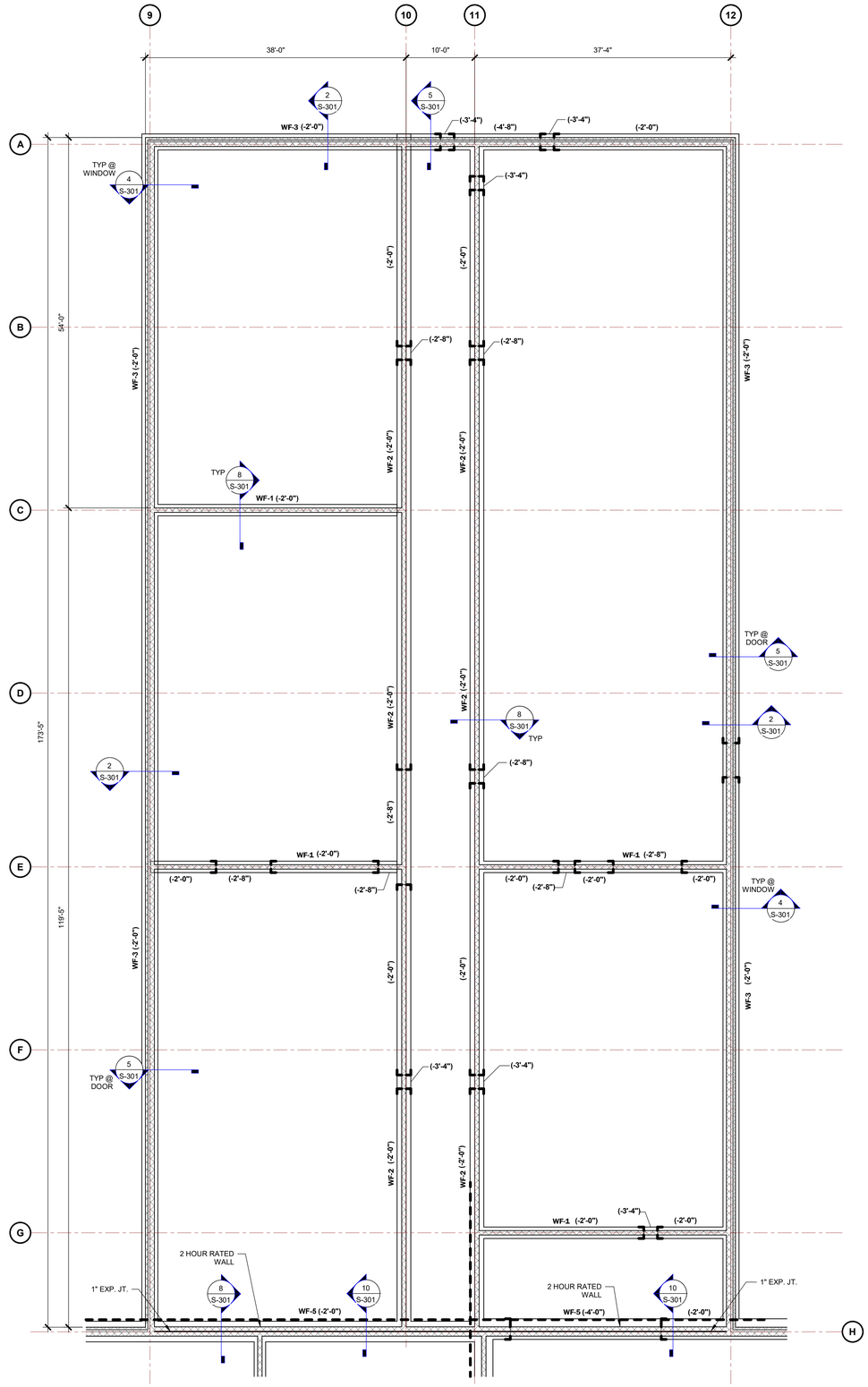
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FOUNDATION PLAN - AREA 400

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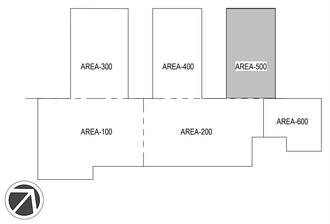
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1 S-105 FOUNDATION PLAN - AREA 500
1/8" = 1'-0"

**FOUNDATION NOTES:**

1. NUMBER IN PARENTHESIS DENOTES TOP OF FOOTING BELOW FIN. FLOOR ELEVATION = 0'-0".
2. **F4.0** DENOTES COLUMN FOOTING. SEE S-101 FOR SCHEDULE.
3. SEE S-115 FOR CMU WALL REINFORCING REQUIREMENTS.
4. IN ADDITION TO REINFORCING SHOWN ON THE DRAWINGS, PROVIDE #6 VERT. BAR IN JAMBS OF ALL DOORS AND WINDOWS. PROVIDE #6 VERT. BAR EA. SIDE OF EXPANSION JOINTS AND CONTROL JOINTS. SEE ARCH'L FOR JOINT LOCATIONS. SEE DETAIL 14/S-301.
5. DENOTES STEPPED FOOTING. SEE 19/S-301 FOR DETAIL. G.C. COORDINATE STEP LOCATION AND DEPTH W/ PLUMBING CONTRACTOR PRIOR TO FOOTING EXCAVATION.
6. REFER TO ARCH'L DRAWINGS FOR INTERIOR WALL DIMENSIONS NOT SHOWN ON STRUCTURAL.
7. PROVIDE BOND BEAMS IN MASONRY WALLS @ 9'-4" MAX AND BEARING LOCATIONS AND TOP COURSE OF ALL WALLS.
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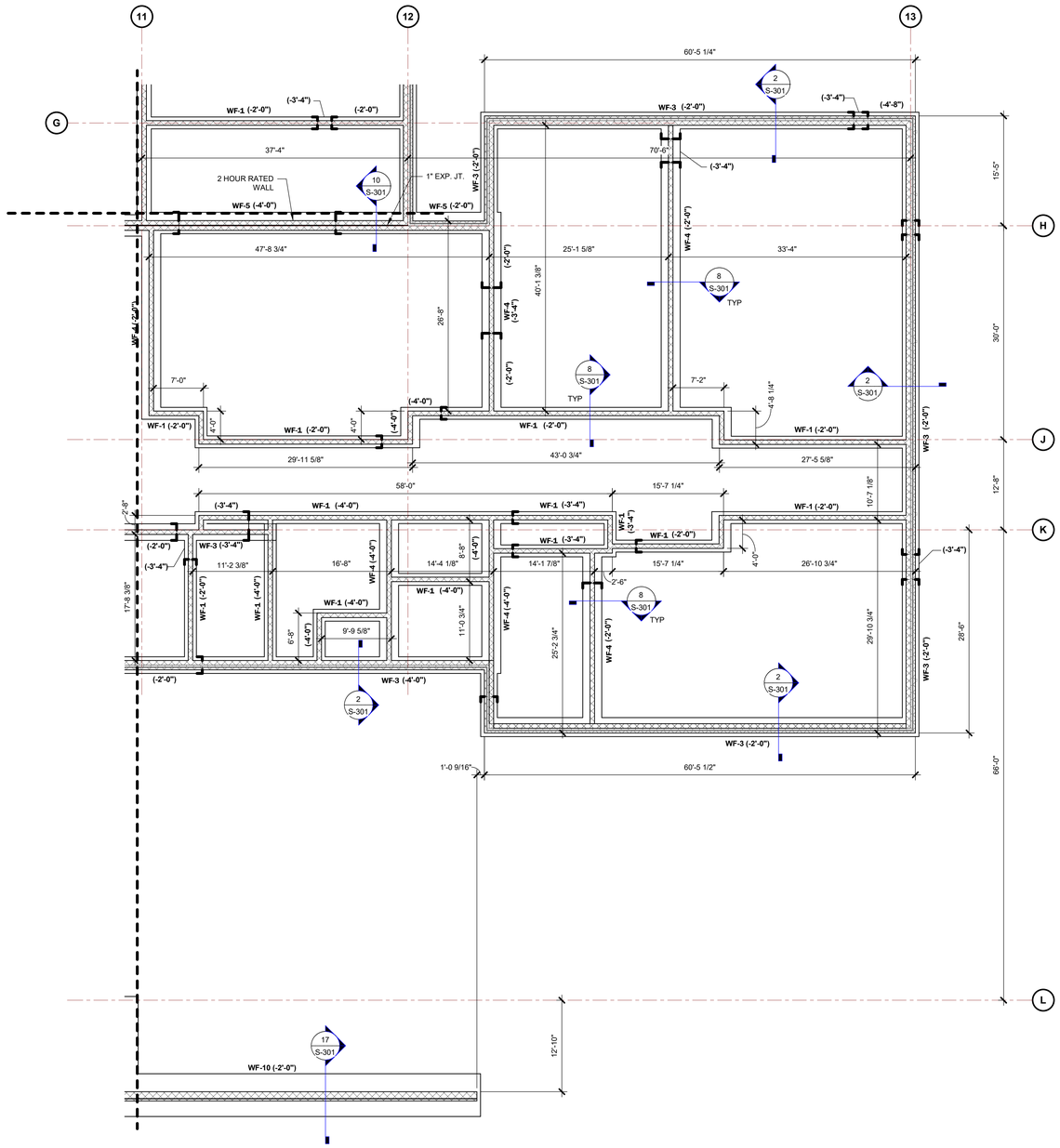
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FOUNDATION PLAN - AREA 500

S-105

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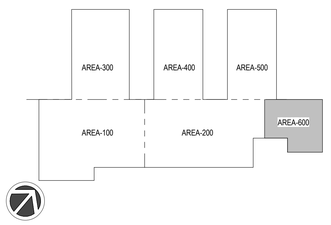



## 1 S-106 FOUNDATION PLAN - AREA 600

1/8" = 1'-0"

**FOUNDATION NOTES:**

1. NUMBER IN PARENTHESIS DENOTES TOP OF FOOTING BELOW FIN. FLOOR ELEVATION = 0'-0".
2. **F4.0** DENOTES COLUMN FOOTING. SEE S-101 FOR SCHEDULE.
3. SEE S-116 FOR CMU WALL REINFORCING REQUIREMENTS.
4. IN ADDITION TO REINFORCING SHOWN ON THE DRAWINGS, PROVIDE #6 VERT. BAR IN JAMBS OF ALL DOORS AND WINDOWS. PROVIDE #6 VERT. BAR EA. SIDE OF EXPANSION JOINTS AND CONTROL JOINTS. SEE ARCH'L FOR JOINT LOCATIONS. SEE DETAIL 14/S-301.
5. ⌐¬ DENOTES STEPPED FOOTING. SEE 19/S-301 FOR DETAIL. G.C. COORDINATE STEP LOCATION AND DEPTH W/ PLUMBING CONTRACTOR PRIOR TO FOOTING EXCAVATION.
6. REFER TO ARCH'L DRAWINGS FOR INTERIOR WALL DIMENSIONS NOT SHOWN ON STRUCTURAL.
7. PROVIDE BOND BEAMS IN MASONRY WALLS @ 9'-4" MAX AND BEARING LOCATIONS AND TOP COURSE OF ALL WALLS.
8. PROVIDE CORNER BARS IN BOND BEAMS AT WALL CORNERS AND INTERSECTIONS. LAP 2'-0".




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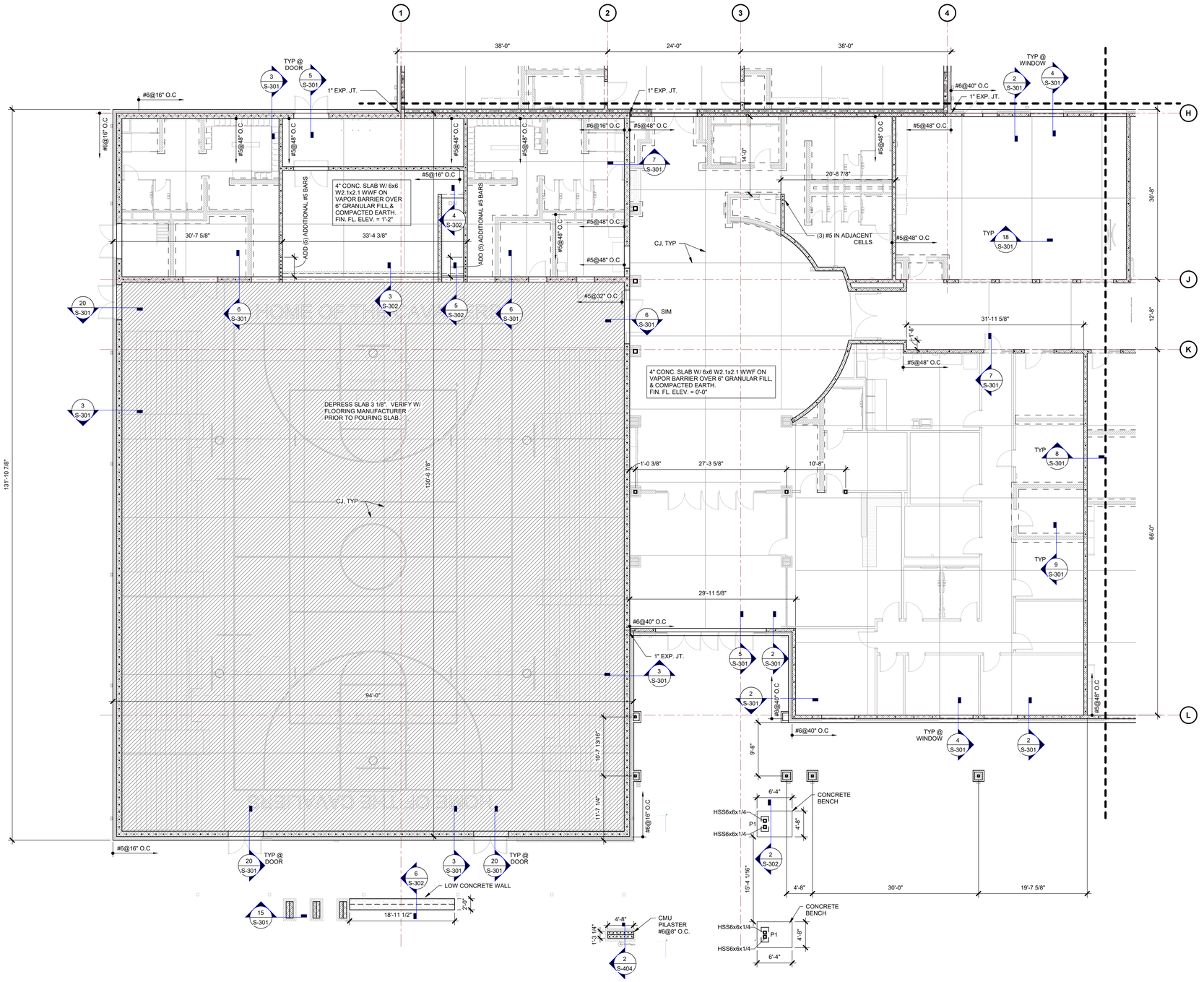
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FOUNDATION PLAN - AREA 600

S-106

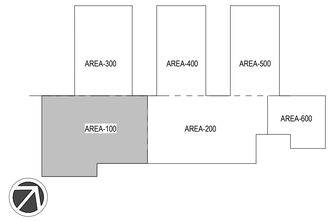
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1 S-111 SLAB PLAN - AREA 100
1/8" = 1'-0"

**SLAB NOTES:**
1. CJ DENOTES SLAB CONTROL / CONSTRUCTION JOINT. SEE DETAIL 18/S-301.
2. SEE DETAIL 11/S-301 FOR SLAB REINFORCING AT RE-ENTRANT CORNERS.
3. INTERIOR CMU WALLS SHALL BE REINFORCED W/ MINIMUM OF #5 @48" O.C. UNLESS NOTED.
4. EXTERIOR CMU WALLS SHALL BE REINFORCED W/ MINIMUM OF #6 @40" O.C. UNLESS NOTED.




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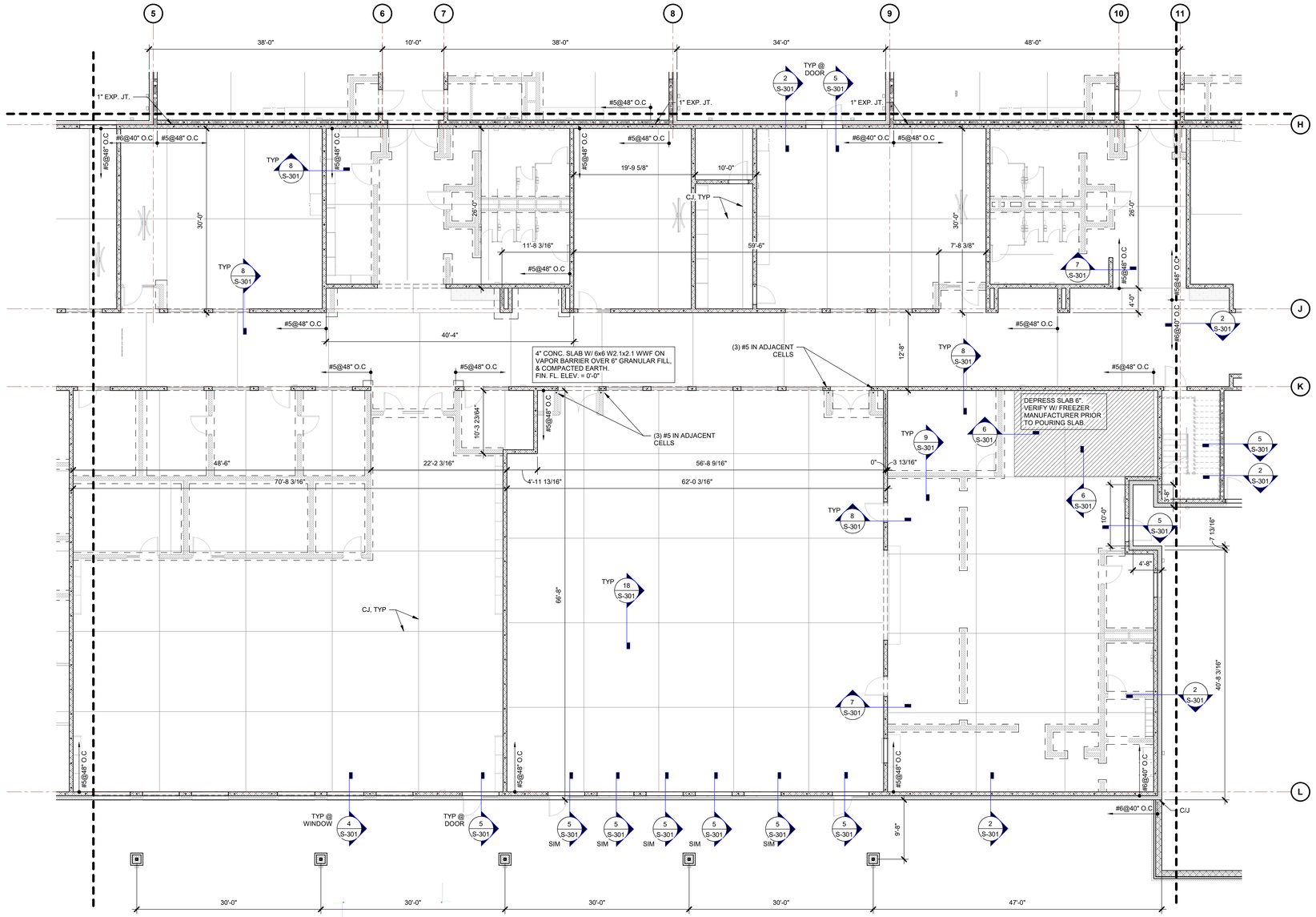
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SLAB PLAN - AREA 100

S-111

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## 1 S-112 SLAB PLAN - AREA 200

1/8" = 1'-0"

**SLAB NOTES:**

1. C/J DENOTES SLAB CONTROL / CONSTRUCTION JOINT. SEE DETAIL 18/S-301.
2. SEE DETAIL 11/S-301 FOR SLAB REINFORCING AT RE-ENTRANT CORNERS.
3. INTERIOR CMU WALLS SHALL BE REINFORCED W/ MINIMUM OF #5 @48" O.C. UNLESS NOTED.
4. EXTERIOR CMU WALLS SHALL BE REINFORCED W/ MINIMUM OF #6 @40" O.C. UNLESS NOTED.




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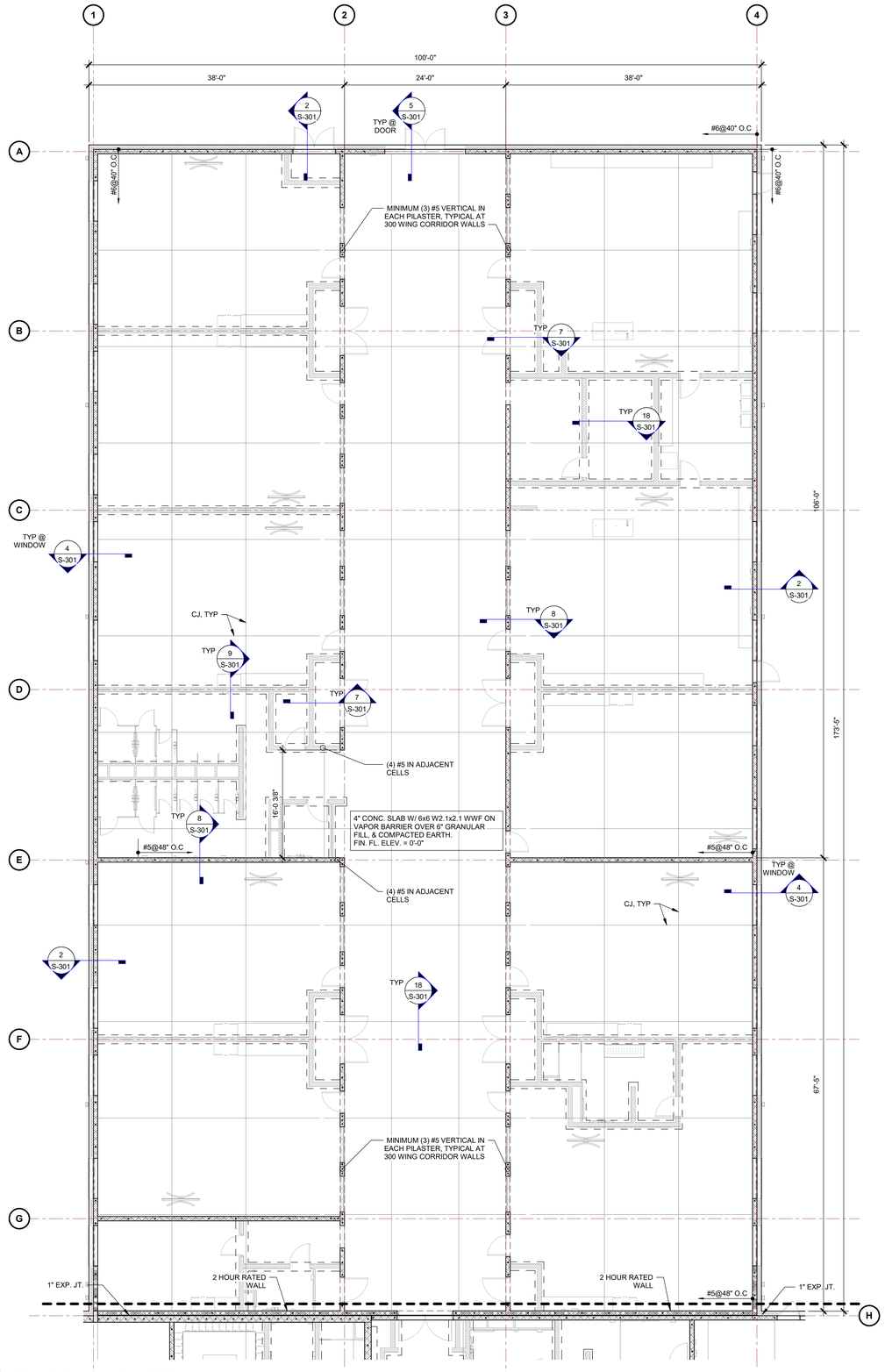
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SLAB PLAN - AREA 200

S-112

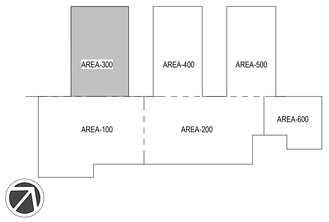
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1 S-113 SLAB PLAN - AREA 300
1/8" = 1'-0"

**SLAB NOTES:**
1. CJ DENOTES SLAB CONTROL / CONSTRUCTION JOINT. SEE DETAIL 18/S-301.
2. SEE DETAIL 11/S-301 FOR SLAB REINFORCING AT RE-ENTRANT CORNERS.
3. INTERIOR CMU WALLS SHALL BE REINFORCED W/ MINIMUM OF #5 @48" O.C. UNLESS NOTED.
4. EXTERIOR CMU WALLS SHALL BE REINFORCED W/ MINIMUM OF #6 @40" O.C. UNLESS NOTED.




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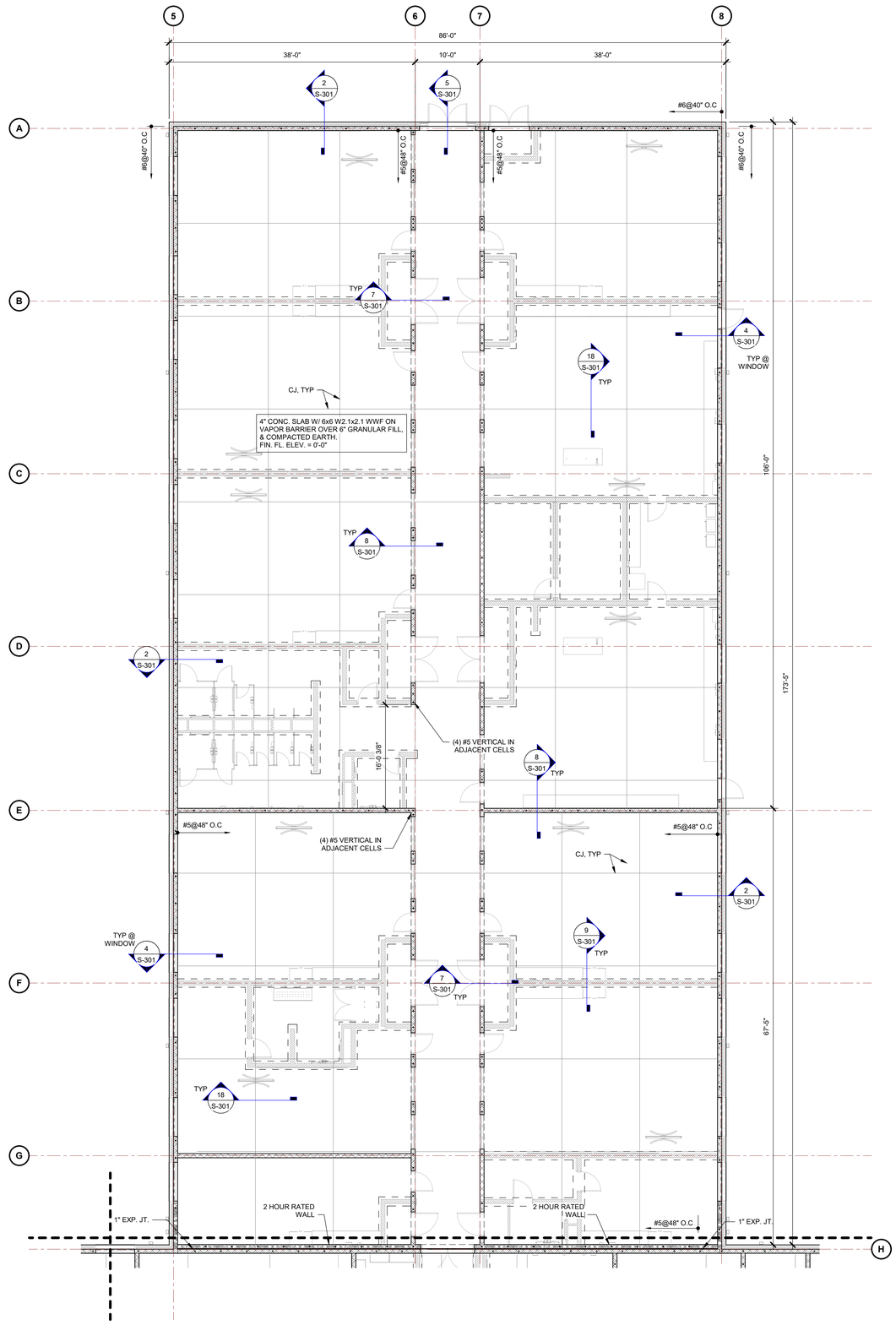
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SLAB PLAN - AREA 300

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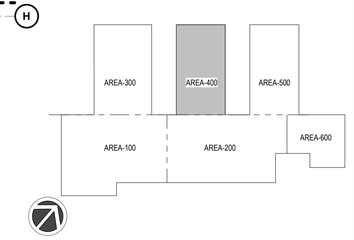



1 S-114 SLAB PLAN - AREA 400

1/8" = 1'-0"

**SLAB NOTES:**

1. C/J DENOTES SLAB CONTROL / CONSTRUCTION JOINT. SEE DETAIL 18/S-301.
2. SEE DETAIL 11/S-301 FOR SLAB REINFORCING AT RE-ENTRANT CORNERS.
3. INTERIOR CMU WALLS SHALL BE REINFORCED W/ MINIMUM OF #5 @48" O.C. UNLESS NOTED.
4. EXTERIOR CMU WALLS SHALL BE REINFORCED W/ MINIMUM OF #6 @40" O.C. UNLESS NOTED.




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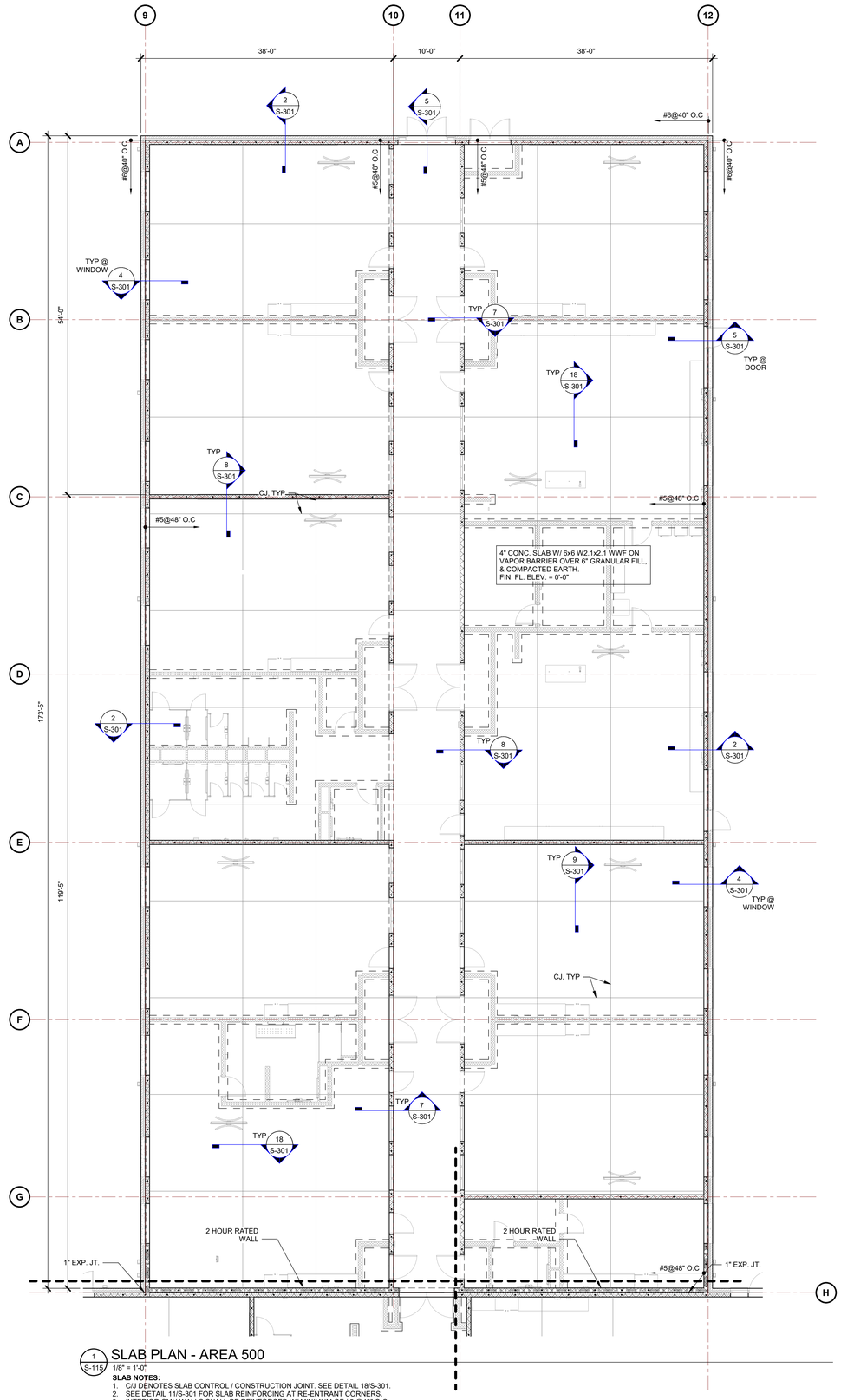
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SLAB PLAN - AREA 400

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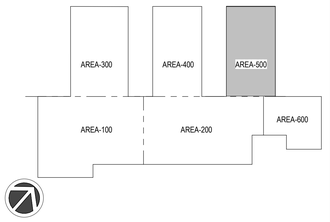



1 S-115 SLAB PLAN - AREA 500

1/8" = 1'-0"

**SLAB NOTES:**

1. CJ DENOTES SLAB CONTROL / CONSTRUCTION JOINT. SEE DETAIL 18/S-301.
2. SEE DETAIL 11/S-301 FOR SLAB REINFORCING AT RE-ENTRANT CORNERS.
3. INTERIOR CMU WALLS SHALL BE REINFORCED W/ MINIMUM OF #5 @48" O.C. UNLESS NOTED.
4. EXTERIOR CMU WALLS SHALL BE REINFORCED W/ MINIMUM OF #6 @40" O.C. UNLESS NOTED.




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Construction Documents

Lenoir County

# EB Frink Middle School

405 North Charles Street La Grange NC, 28551

ENERGY STAR PARTNER

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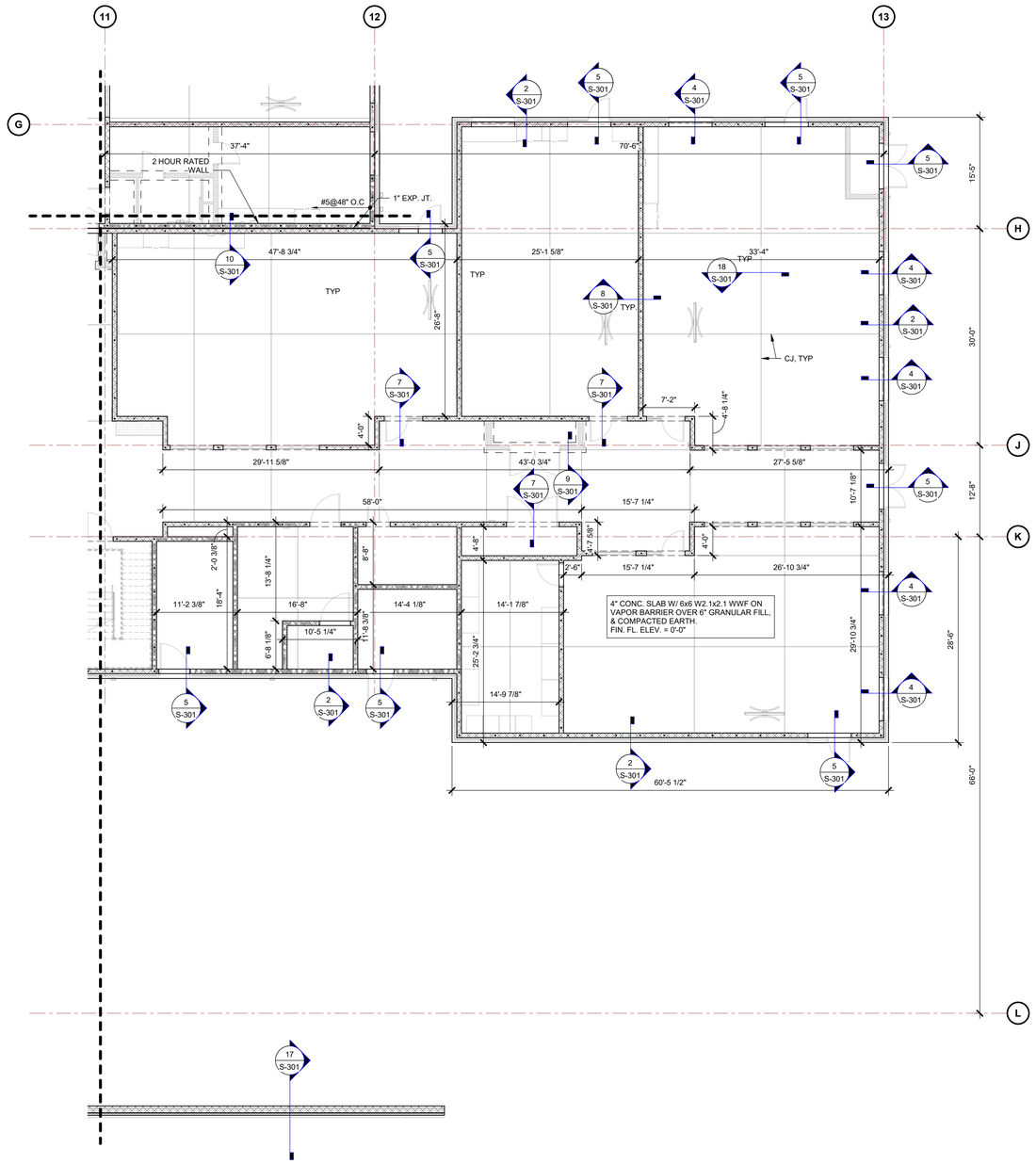
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SLAB PLAN - AREA 500

S-115

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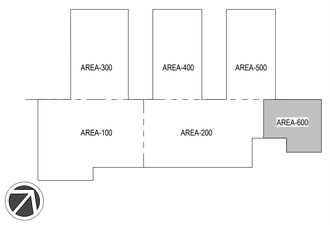



## 1 / S-116 SLAB PLAN - AREA 600

1/8" = 1'-0"

**SLAB NOTES:**

1. C/J DENOTES SLAB CONTROL / CONSTRUCTION JOINT. SEE DETAIL 18/S-301.
2. SEE DETAIL 11/S-301 FOR SLAB REINFORCING AT RE-ENTRANT CORNERS.
3. INTERIOR CMU WALLS SHALL BE REINFORCED W/ MINIMUM OF #5 @48" O.C. UNLESS NOTED.
4. EXTERIOR CMU WALLS SHALL BE REINFORCED W/ MINIMUM OF #6 @40" O.C. UNLESS NOTED.




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SLAB PLAN - AREA 600

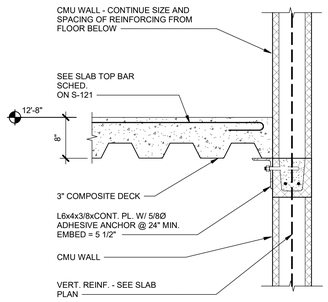
S-116

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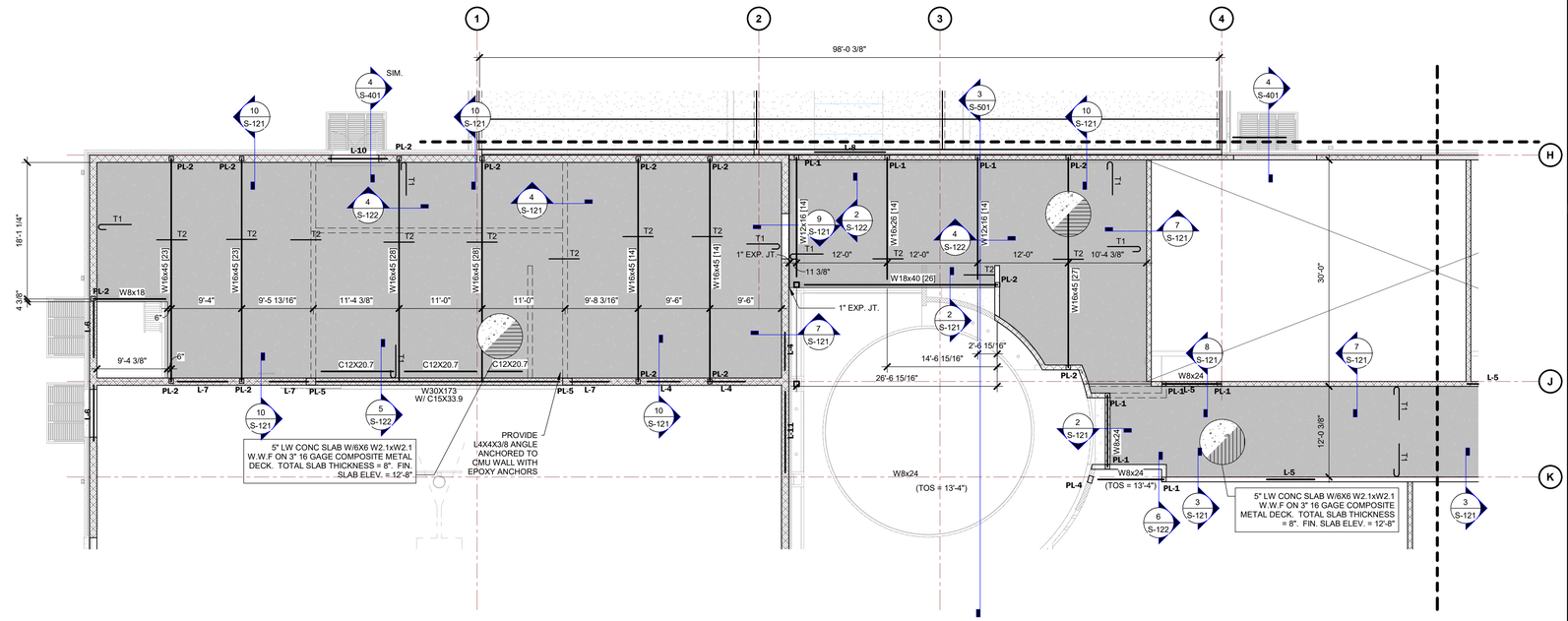
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## SCHEDULE OF TOP BARS

| MARK | SIZE | SPACING | LENGTH | REMARKS |
|---|---|---|---|---|
| T1 | #4 | 12" | 3'-0" | HOOK ONE END |
| T2 | #4 | 12" | 4'-6" | |

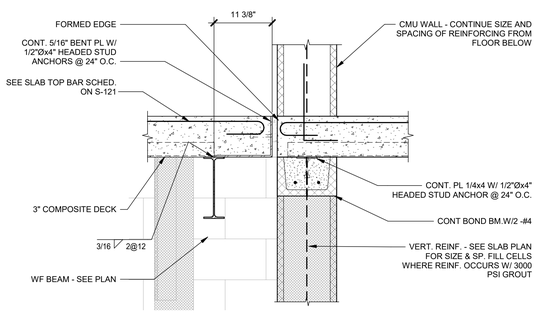



10 S-121 SECT. THRU WALL
1" = 1'-0"

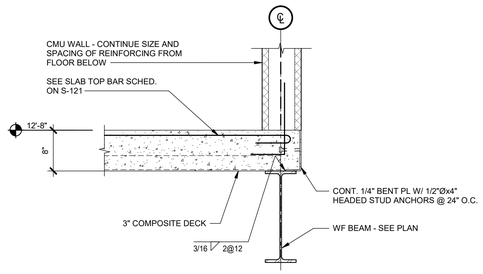



1 S-121 MECH PLATFORM FRAMING PLAN - AREA 100
1/8" = 1'-0"

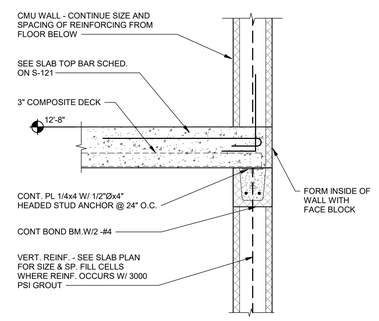
**FLOOR FRAMING NOTES:**
1. DECK BEARING ELEVATION = 12'-0" AFF U.O.N.
2. ALL ELEVATIONS ARE REFERENCED FROM (0'-0).
3. TOP OF STEEL = 8" BELOW FIN. FL. U.O.N.
4. NUMBERS IN PARENTHESIS DENOTES QUANTITY OF 3/4"Ø x 5 1/4" STUDS EQUALLY SPACED ON BEAM
5. PL1 DENOTES BEAM BEARING PLATE. SEE SCHEDULE ON S-401. SEE DETAILS 1 & 2/S-401.
6. **T-1** DENOTES SLAB TOP BARS. SEE S-121 FOR SCHEDULE.
7. **L-1** DENOTES LOAD BEARING FOR EXTERIOR LINTEL. SEE SCHEDULE ON S-401.
8. PROVIDE BOND BEAMS IN MASONRY WALLS @ 9'-4" MAX. AND TOP COURSE OF ALL WALLS. PROVIDE CORNER BARS IN BOND BEAMS IN CORNERS AND INTERSECTIONS.
9. COORD FLOOR OPENING LOCATIONS W/ MECH'L CONTRACTOR. SEE DETAIL 3/S-122.
10. PROVIDE #5@48" VERTICAL @ INTERIOR CMU WALLS U.O.N. SEE SLAB PLAN FOR VERTICAL REINFORCING IN EXTERIOR CMU WALLS.



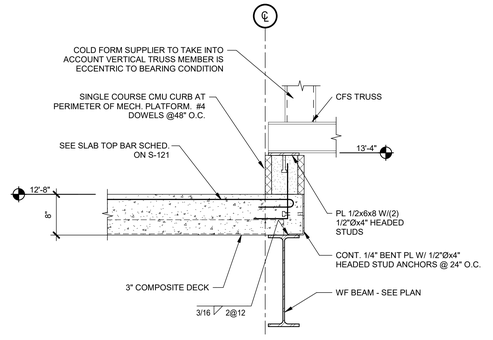

9 S-121 SECTION AT EXP. JT.
1" = 1'-0"




4 S-121 SECTION THRU MECH'L PLATFORM
1" = 1'-0"




7 S-121 SECTION THRU MECH'L PLATFORM
1" = 1'-0"




6 S-121 SECTION THRU MECH'L PLATFORM
1" = 1'-0"




5 S-121 SECT. THRU WALL
1" = 1'-0"




4 S-121 SLAB BEARING DETAIL
1" = 1'-0"




3 S-121 SECTION THRU MECH'L PLATFORM
1" = 1'-0"




2 S-121 SECTION THRU MECH'L PLATFORM
1" = 1'-0"




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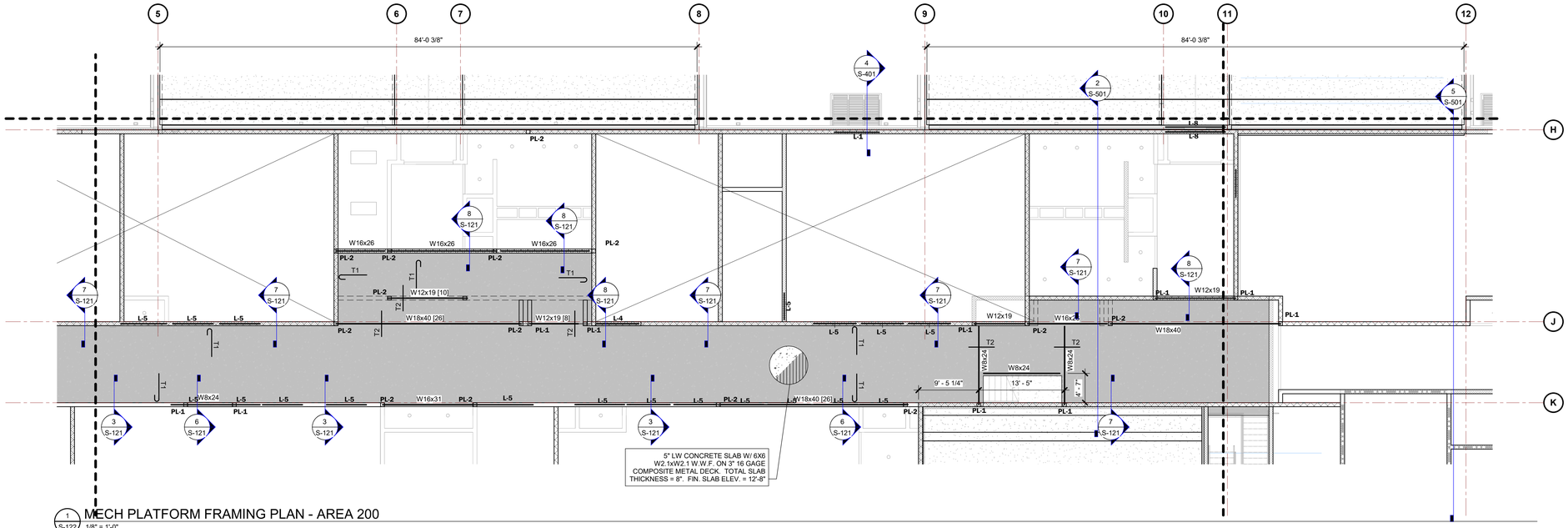
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MECH PLATFORM FRAMING PLAN - AREA 100

S-121

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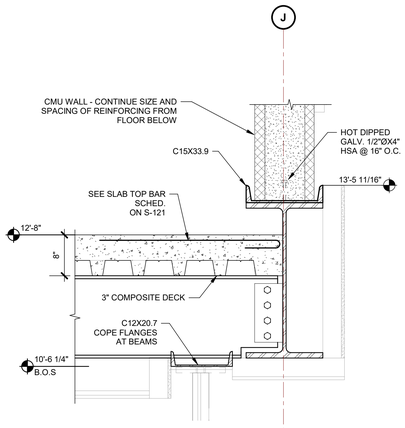



## 1 / S-122 MECH PLATFORM FRAMING PLAN - AREA 200

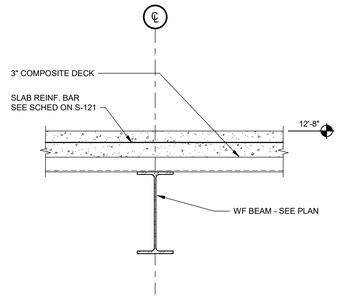
1/8" = 1'-0"

**FLOOR FRAMING NOTES:**

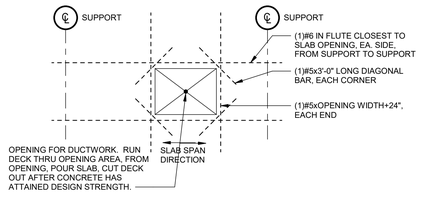
1. DECK BEARING ELEVATION = 12'-0" AFF U.O.N.
2. ALL ELEVATIONS ARE REFERENCED FROM (0'-0).
3. TOP OF STEEL = 8" BELOW FIN. FL. U.O.N.
4. NUMBERS IN PARENTHESIS DENOTES QUANTITY OF 3/4"Ø x 5 1/4" STUDS EQUALLY SPACED ON BEAM
5. PL1 DENOTES BEAM BEARING PLATE. SEE SCHEDULE ON S-401. SEE DETAILS 1 & 2/S-401.
6. **T-1** DENOTES SLAB TOP BARS. SEE S-121 FOR SCHEDULE.
7. **L-1** DENOTES LOAD BEARING FOR EXTERIOR LINTEL. SEE SCHEDULE ON S-401.
8. PROVIDE BOND BEAMS IN MASONRY WALLS @ 9'-4" MAX. AND TOP COURSE OF ALL WALLS. PROVIDE CORNER BARS IN BOND BEAMS IN CORNERS AND INTERSECTIONS.
9. COORD FLOOR OPENING LOCATIONS W/ MECH'L CONTRACTOR. SEE DETAIL 3/S-122.
10. PROVIDE #5@48" VERTICAL @ INTERIOR CMU WALLS U.O.N. SEE SLAB PLAN FOR VERTICAL REINFORCING IN EXTERIOR CMU WALLS.



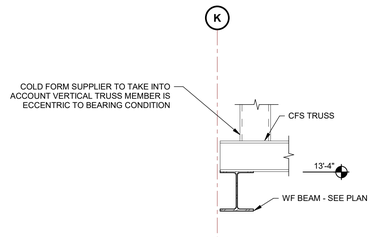

5 / S-122 SECTION AT STAGE OPENING
1" = 1'-0"



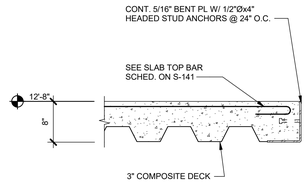

4 / S-122 SLAB BEARING DETAIL
1" = 1'-0"




3 / S-122 SLAB PENETRATION DETAIL
1/2" = 1'-0"




6 / S-122 SECTION AT TRUSS BEARING
1" = 1'-0"




2 / S-122 SECTION AT LARGE OPENING
1" = 1'-0"




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Lenoir County
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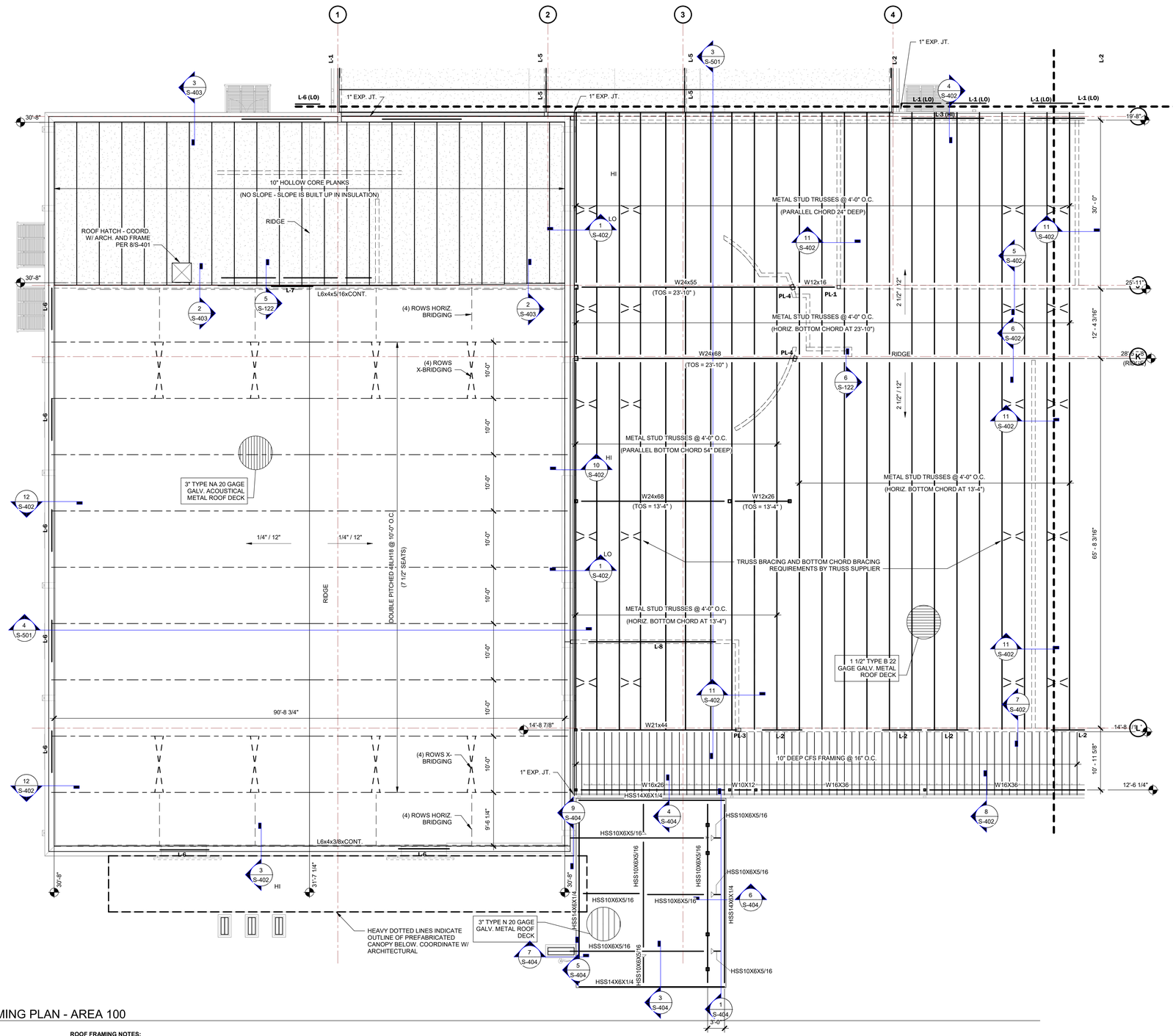
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MECH PLATFORM FRAMING PLAN - AREA 200

S-122

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1 S-131 ROOF FRAMING PLAN - AREA 100
1/8" = 1'-0"

**ROOF FRAMING NOTES:**

1. ——⌖—— AT HOLLOW CORE PLANKS DENOTES TOP OF PLANK ELEVATION U.O.N. ABOVE FIN. FLOOR ELEV. = 0'-0".
2. ——⌖—— AT STEEL JOISTS OR CFS TRUSSES DENOTES TOP OF STEEL ELEVATION (DECK BRG.) U.O.N. ABOVE FIN. FLOOR ELEV. = 0'-0".
3. **L-1** DENOTES LOAD BEARING OR EXTERIOR LINTEL. SEE SCHEDULE ON S-401
4. FRAME ROOF OPENINGS ON METAL FRAMED ROOFS W/ L4x4x1/4. COORD. LOCATION W/ MECH'L CONTRACTOR. SEE DETAIL 9/S-401.
5. FRAME ROOF OPENINGS ON HOLLOW CORE ROOFS WITH DETAIL 8/S-401.
6. ALL CMU WALLS THAT ARE NOT ATTACHED TO ROOF STRUCTURE IS REQUIRED TO BE AT THE TOP. PROVIDE BRACING POINT AT 12' O.C. MAX SPACING, NOTING THAT A PERPENDICULAR CMU WALL COUNTS AS A BRACING POINT. SEE SHEET S-401 FOR BRACING DETAILS.




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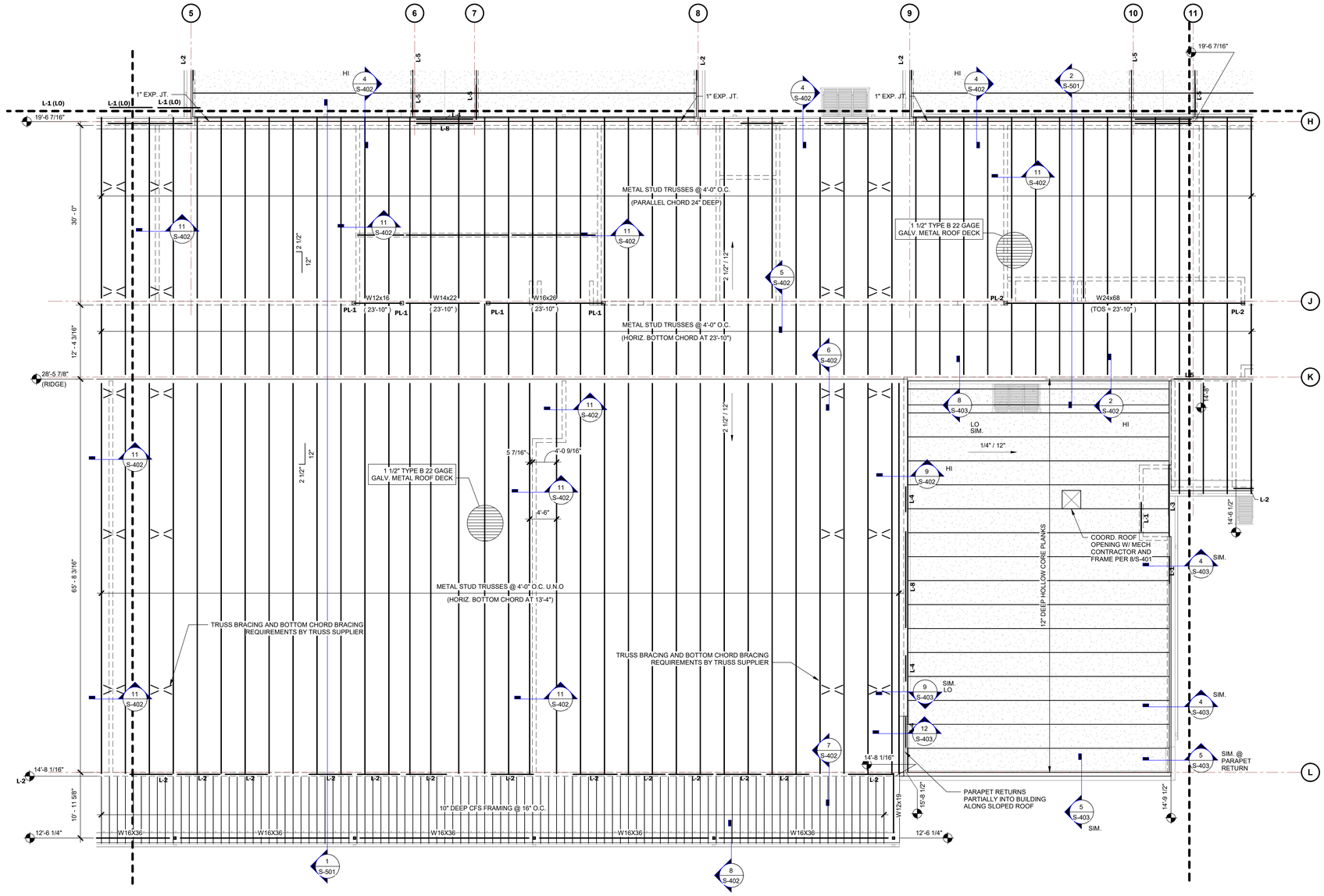
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ROOF FRAMING PLAN - AREA 100

S-131

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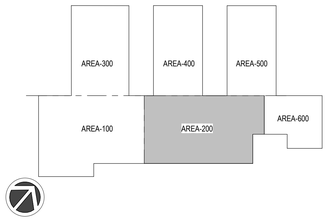



## 1 S-132 ROOF FRAMING PLAN - AREA 200

1/8" = 1'-0"

**ROOF FRAMING NOTES:**

1. ——◆—— AT HOLLOW CORE PLANKS DENOTES TOP OF PLANK ELEVATION U.O.N. ABOVE FIN. FLOOR ELEV. = 0'-0".
2. ——◆—— AT STEEL JOISTS OR CFS TRUSSES DENOTES TOP OF STEEL ELEVATION (DECK BRG.) U.O.N. ABOVE FIN. FLOOR ELEV. = 0'-0".
3. **L-1** DENOTES LOAD BEARING OR EXTERIOR LINTEL. SEE SCHEDULE ON S-401
4. FRAME ROOF OPENINGS ON METAL FRAMED ROOFS W/ L4x4x1/4. COORD. LOCATION W/ MECH'L CONTRACTOR. SEE DETAIL 9/S-401.
5. FRAME ROOF OPENINGS ON HOLLOW CORE ROOFS WITH DETAIL 8/S-401.
6. ALL CMU WALLS THAT ARE NOT ATTACHED TO ROOF STRUCTURE IS REQUIRED TO BE AT THE TOP. PROVIDE BRACING POINT AT 12' O.C. MAX SPACING, NOTING THAT A PERPENDICULAR CMU WALL COUNTS AS A BRACING POINT. SEE SHEET S-401 FOR BRACING DETAILS.




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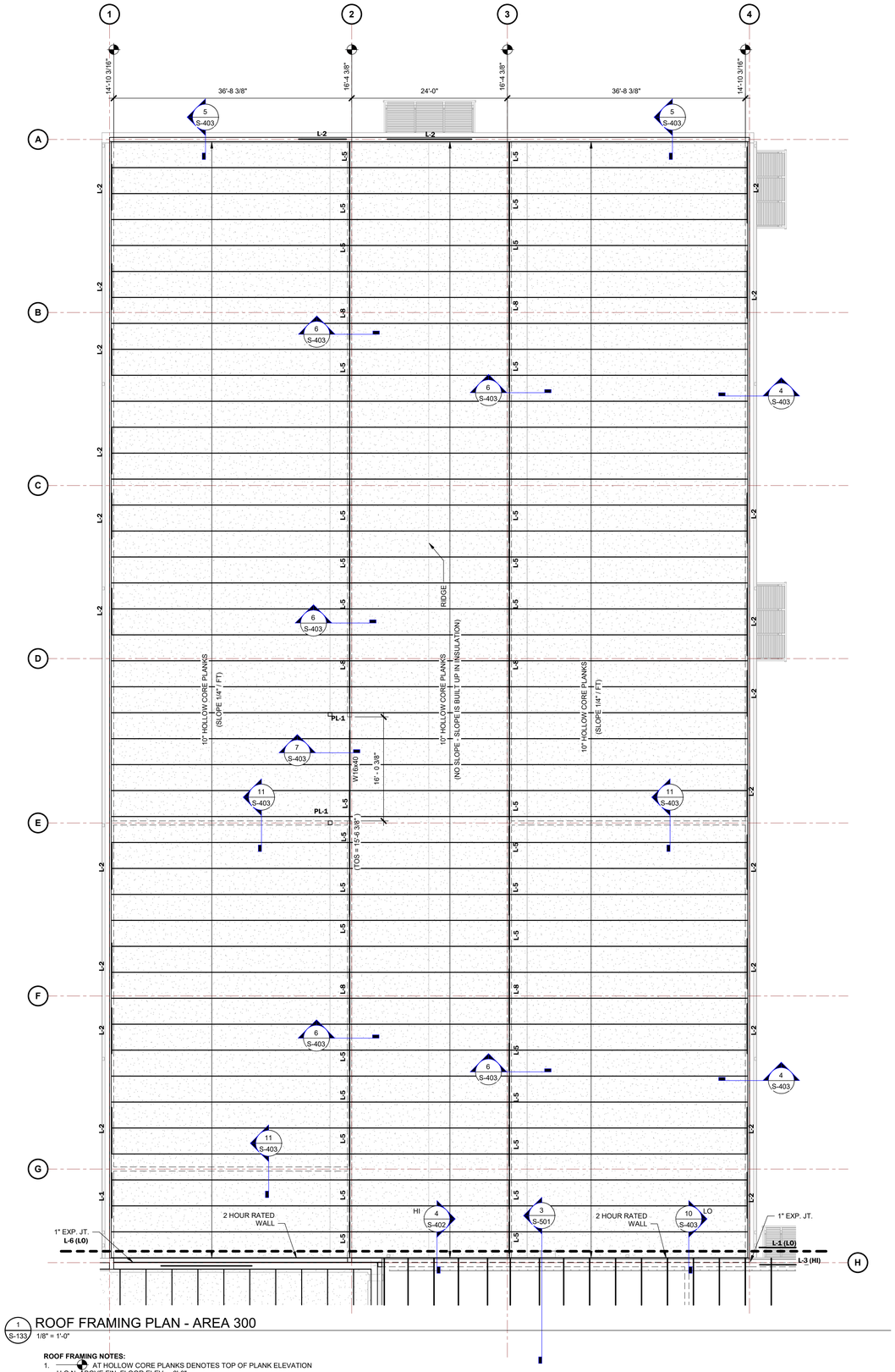
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ROOF FRAMING PLAN - AREA 200

S-132

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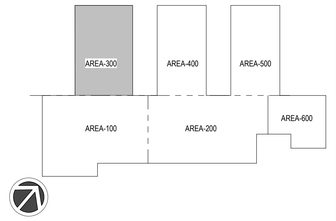



1 S-133 ROOF FRAMING PLAN - AREA 300

1/8" = 1'-0"

**ROOF FRAMING NOTES:**

1. ——— AT HOLLOW CORE PLANKS DENOTES TOP OF PLANK ELEVATION U.O.N. ABOVE FIN. FLOOR ELEV. = 0'-0"
2. ——— AT STEEL JOISTS OR CFS TRUSSES DENOTES TOP OF STEEL ELEVATION (DECK BRG.) U.O.N. ABOVE FIN. FLOOR ELEV. = 0'-0".
3. L-1 DENOTES LOAD BEARING OR EXTERIOR LINTEL. SEE SCHEDULE ON S-401
4. FRAME ROOF OPENINGS ON METAL FRAMED ROOFS W/ L4x4x1/4. COORD. LOCATION W/ MECH'L CONTRACTOR. SEE DETAIL 9/S-401.
5. FRAME ROOF OPENINGS ON HOLLOW CORE ROOFS WITH DETAIL 8/S-401.
6. ALL CMU WALLS THAT ARE NOT ATTACHED TO ROOF STRUCTURE IS REQUIRED TO BE AT THE TOP. PROVIDE BRACING POINT AT 12' O.C. MAX SPACING, NOTING THAT A PERPENDICULAR CMU WALL COUNTS AS A BRACING POINT. SEE SHEET S-401 FOR BRACING DETAILS.




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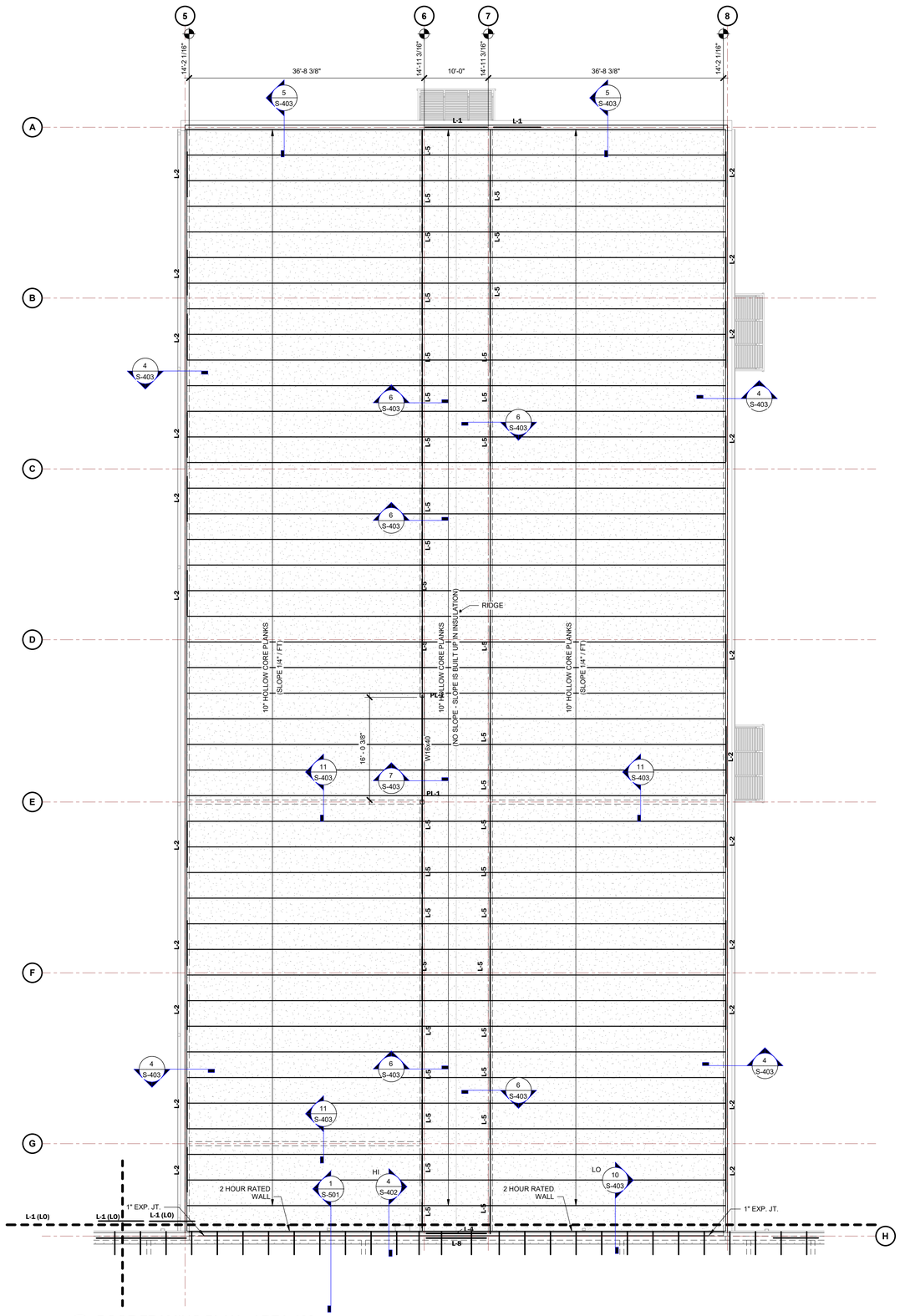
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ROOF FRAMING PLAN - AREA 300

S-133

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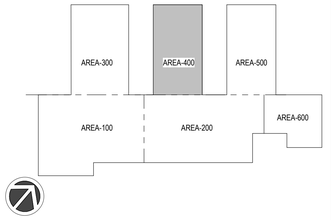



1 S-134 ROOF FRAMING PLAN - AREA 400

1/8" = 1'-0"

**ROOF FRAMING NOTES:**

1. ——— AT HOLLOW CORE PLANKS DENOTES TOP OF PLANK ELEVATION U.O.N. ABOVE FIN. FLOOR ELEV. = 0'-0".
2. ——— AT STEEL JOISTS OR CFS TRUSSES DENOTES TOP OF STEEL ELEVATION (DECK BRG.) U.O.N. ABOVE FIN. FLOOR ELEV. = 0'-0".
3. L-1 DENOTES LOAD BEARING OR EXTERIOR LINTEL. SEE SCHEDULE ON S-401
4. FRAME ROOF OPENINGS ON METAL FRAMED ROOFS W/ L4x4x1/4. COORD. LOCATION W/ MECH'L CONTRACTOR. SEE DETAIL 9/S-401.
5. FRAME ROOF OPENINGS ON HOLLOW CORE ROOFS WITH DETAIL 8/S-401.
6. ALL CMU WALLS THAT ARE NOT ATTACHED TO ROOF STRUCTURE IS REQUIRED TO BE AT THE TOP. PROVIDE BRACING POINT AT 12' O.C. MAX SPACING, NOTING THAT A PERPENDICULAR CMU WALL COUNTS AS A BRACING POINT. SEE SHEET S-401 FOR BRACING DETAILS.




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NORTH CAROLINA PROFESSIONAL SEAL 037412 ENGINEER TIMOTHY K. WILTON
9/12/24

Construction Documents

Lenoir County

# EB Frink Middle School

405 North Charles Street La Grange NC, 28551

ENERGY STAR PARTNER

| No. | Date | Description |
|---|---|---|
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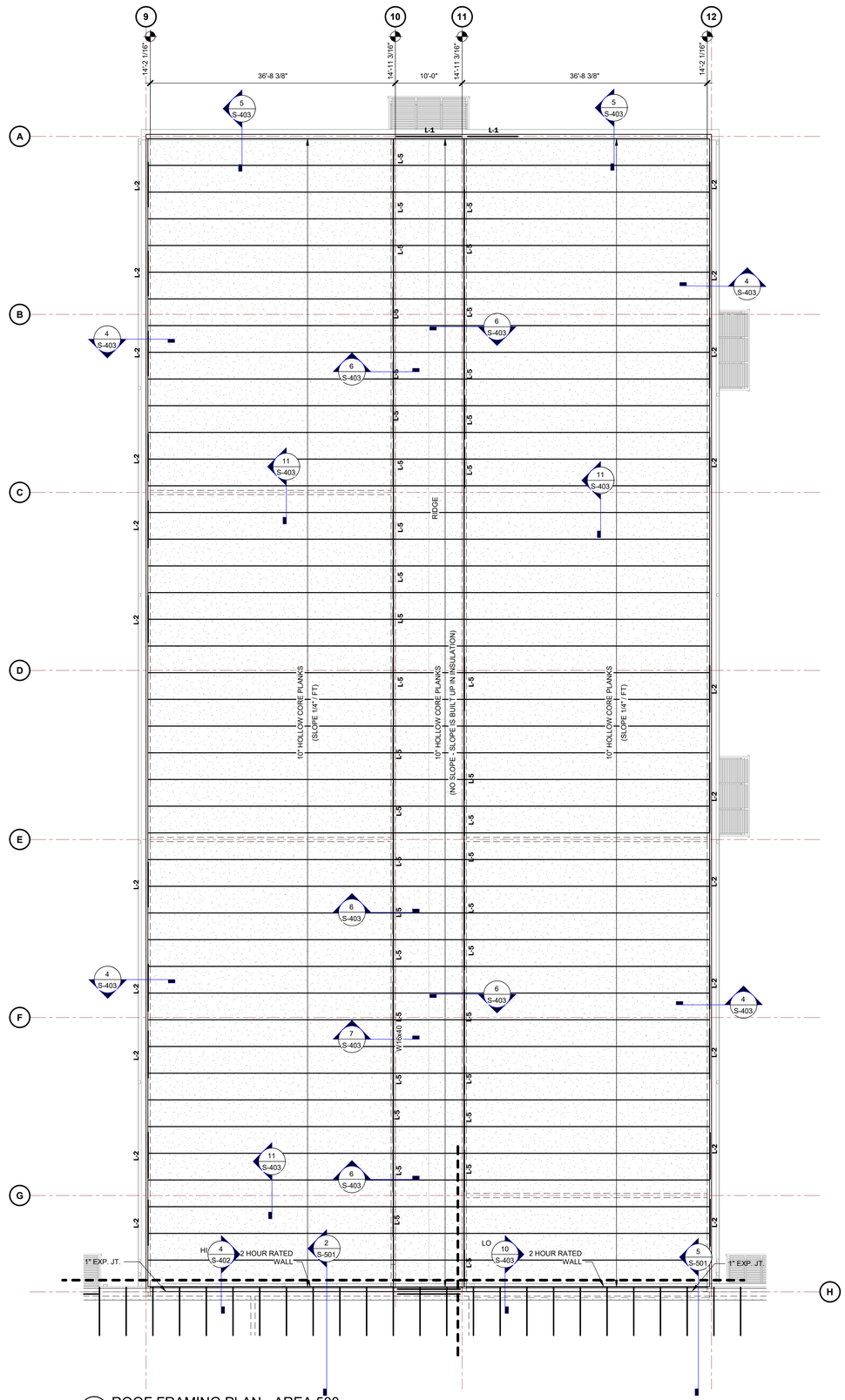
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ROOF FRAMING PLAN - AREA 400

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1 S-135 ROOF FRAMING PLAN - AREA 500

1/8" = 1'-0"

**ROOF FRAMING NOTES:**

1. ——◆—— AT HOLLOW CORE PLANKS DENOTES TOP OF PLANK ELEVATION U.O.N. ABOVE FIN. FLOOR ELEV. = 0'-0".
2. ——◆—— AT STEEL JOISTS OR CFS TRUSSES DENOTES TOP OF STEEL ELEVATION (DECK BRG.) U.O.N. ABOVE FIN. FLOOR ELEV. = 0'-0".
3. L-1 DENOTES LOAD BEARING OR EXTERIOR LINTEL. SEE SCHEDULE ON S-401
4. FRAME ROOF OPENINGS ON METAL FRAMED ROOFS W/ L4x4x1/4. COORD. LOCATION W/ MECH'L CONTRACTOR. SEE DETAIL 9/S-401.
5. FRAME ROOF OPENINGS ON HOLLOW CORE ROOFS WITH DETAIL 8/S-401.
6. ALL CMU WALLS THAT ARE NOT ATTACHED TO ROOF STRUCTURE IS REQUIRED TO BE AT THE TOP PROVIDE BRACING POINT AT 12' O.C. MAX. SPACING, NOTING THAT A PERPENDICULAR CMU WALL COUNTS AS A BRACING POINT. SEE SHEET S-401 FOR BRACING DETAILS.




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9/12/24

Construction Documents

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# EB Frink Middle School

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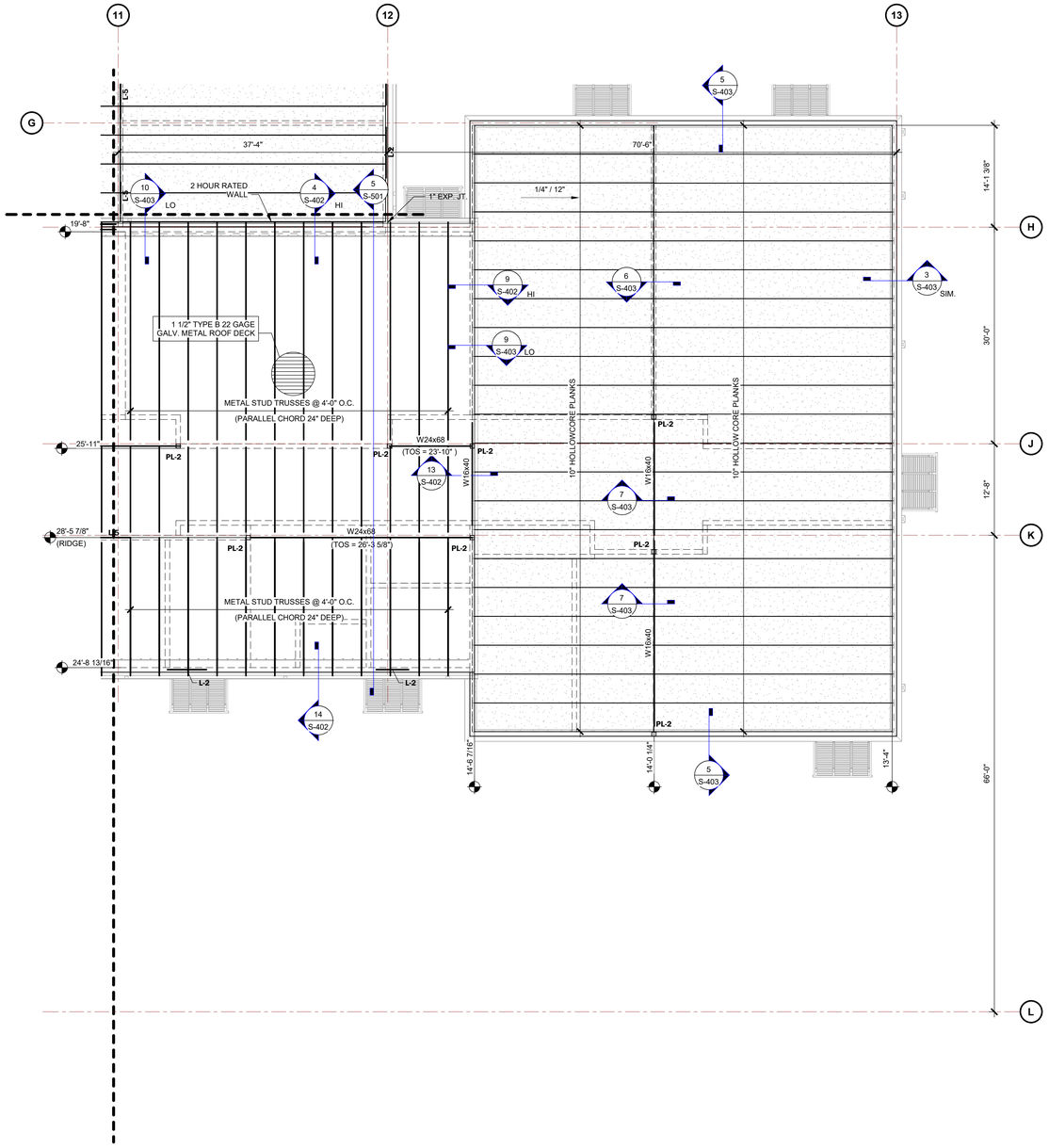
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ROOF FRAMING PLAN - AREA 500

S-135

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## 1 S-136 ROOF FRAMING PLAN - AREA 600

1/8" = 1'-0"

**ROOF FRAMING NOTES:**

1. ——◔—— AT HOLLOW CORE PLANKS DENOTES TOP OF PLANK ELEVATION U.O.N. ABOVE FIN. FLOOR ELEV. = 0'-0".
2. ——◔—— AT STEEL JOISTS OR CFS TRUSSES DENOTES TOP OF STEEL ELEVATION (DECK BRG.) U.O.N. ABOVE FIN. FLOOR ELEV. = 0'-0".
3. **L-1** DENOTES LOAD BEARING OR EXTERIOR LINTEL. SEE SCHEDULE ON S-401
4. FRAME ROOF OPENINGS ON METAL FRAMED ROOFS W/ L4x4x1/4. COORD. LOCATION W/ MECH'L CONTRACTOR. SEE DETAIL 9/S-401.
5. FRAME ROOF OPENINGS ON HOLLOW CORE ROOFS WITH DETAIL 8/S-401.
6. ALL CMU WALLS THAT ARE NOT ATTACHED TO ROOF STRUCTURE IS REQUIRED TO BE AT THE TOP. PROVIDE BRACING POINT AT 12' O.C. MAX SPACING, NOTING THAT A PERPENDICULAR CMU WALL COUNTS AS A BRACING POINT. SEE SHEET S-401 FOR BRACING DETAILS.




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Construction Documents

Lenoir County

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ISSUE DATE: 02/18/2025
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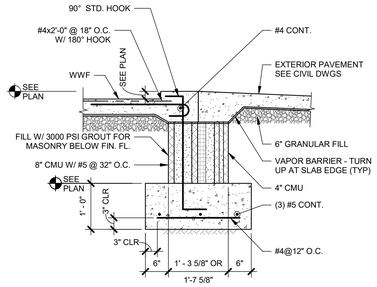
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ROOF FRAMING PLAN - AREA 600

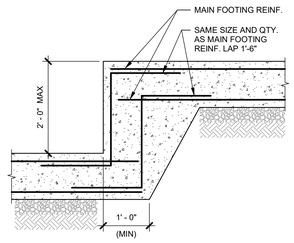
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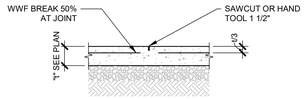
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20 S-301 DOOR OPENING @ DEPRESSED SLAB
3/4" = 1'-0"

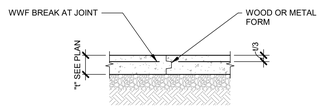



19 S-301 STEPPED FOOTING DETAIL
3/4" = 1'-0"



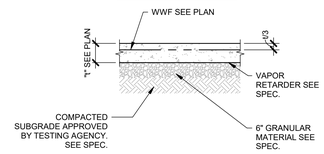

NOTE:
IN LIEU OF SAWCUT OR HAND TOOL CONTRACTOR MAY USE FULL-DEPTH PREFORMED JOINT.

CONTROL JOINT

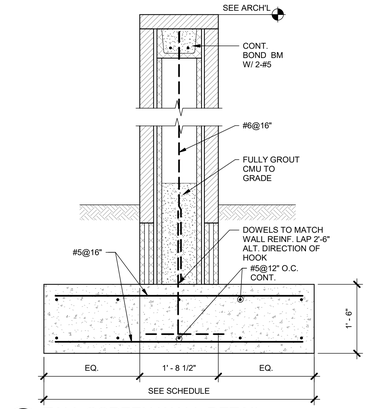



NOTE:
IN LIEU OF FORMING KEY WAY CONTRACTOR MAY USE 1/2"Øx2'-0" LONG SMOOTH DOWELS WITH ONE END GREASED. PLACE AT 24" O.C. SPEED DOWELS OR DIAMONDS WILL BE CONSIDERED BUT MUST BE SUBMITTED FOR APPROVAL.

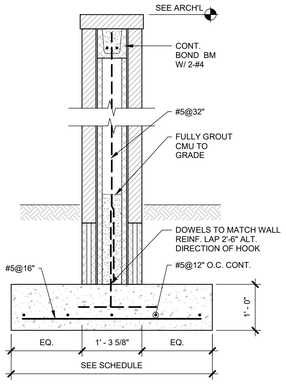
CONSTRUCTION JOINT



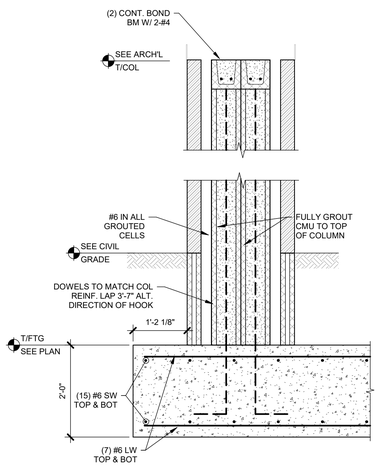

18 S-301 TYPICAL SLAB ON GRADE DETAIL
3/4" = 1'-0"



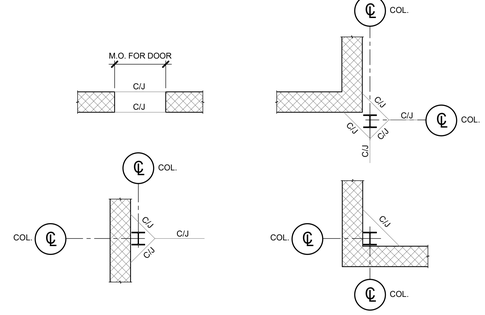

17 S-301 TALL SCREEN WALL DETAIL
3/4" = 1'-0"



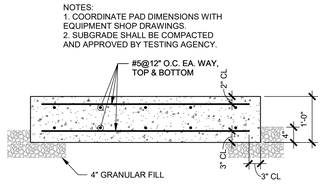

16 S-301 SCREEN WALL DETAIL
3/4" = 1'-0"



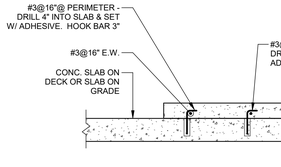

15 S-301 CMU COLUMN FOOTING DETAIL
3/4" = 1'-0"



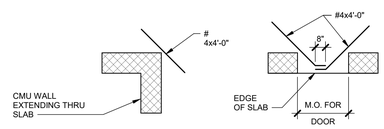

14 S-301 CONTROL JOINT DETAILS
1/4" = 1'-0"



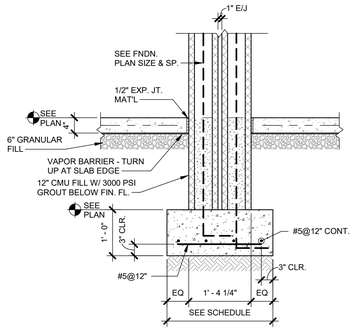

13 EXTERIOR EQUIPMENT PAD
3/4" = 1'-0"



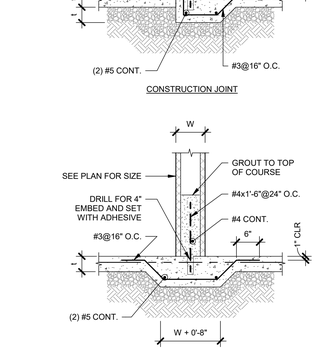

12 S-301 INTERIOR EQUIPMENT PAD
3/4" = 1'-0"



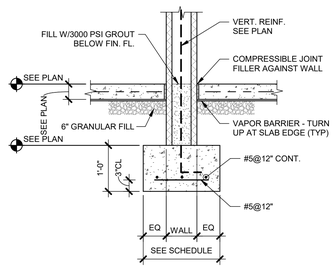

11 S-301 SLAB PLAN @ RE-ENTRANT CORNER
1/4" = 1'-0"



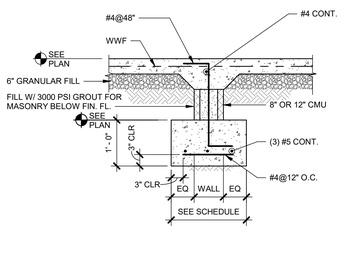

10 S-301 DETAIL AT FIREWALL
3/4" = 1'-0"



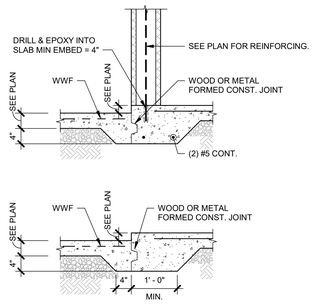

9 S-301 TYPICAL THICKENED SLAB DETAIL
3/4" = 1'-0"



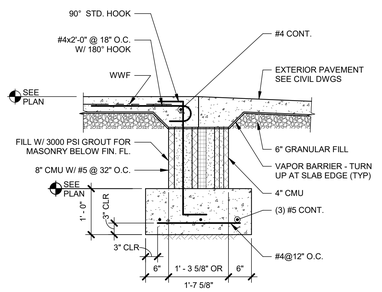

8 S-301 INTERIOR WALL FOOTING DETAIL
3/4" = 1'-0"



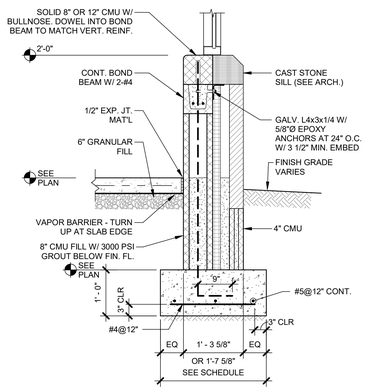

7 S-301 TYPICAL INTERIOR DOOR OPENING
3/4" = 1'-0"



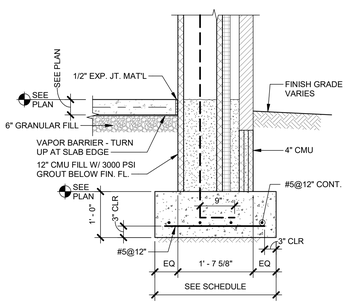

6 S-301 TYPICAL DEPRESSED SLAB
3/4" = 1'-0"



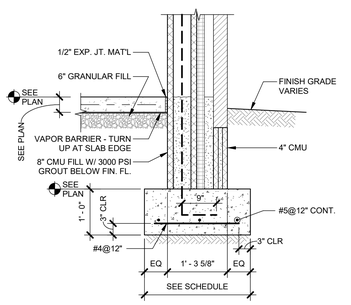

5 S-301 TYPICAL DOOR OPENING
3/4" = 1'-0"



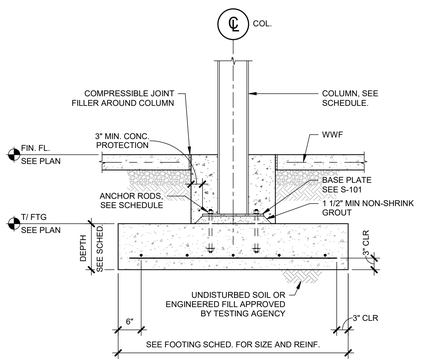

4 S-301 EXTERIOR WALL FOOTING DETAIL
3/4" = 1'-0"




3 S-301 EXTERIOR WALL FOOTING DETAIL
3/4" = 1'-0"




2 S-301 EXTERIOR WALL FOOTING DETAIL
3/4" = 1'-0"




1 S-301 STEEL COLUMN FOOTING DETAIL
3/4" = 1'-0"

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Construction Documents

Lenoir County
**EB Frink Middle School**
405 North Charles Street La Grange NC, 28551

ENERGY STAR PARTNER

| No. | Date | Description |
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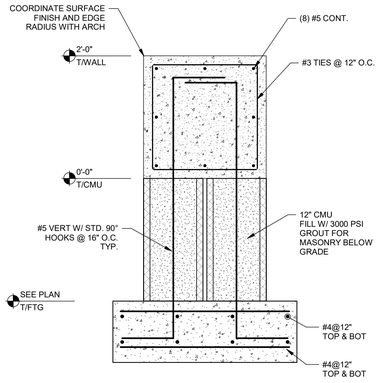
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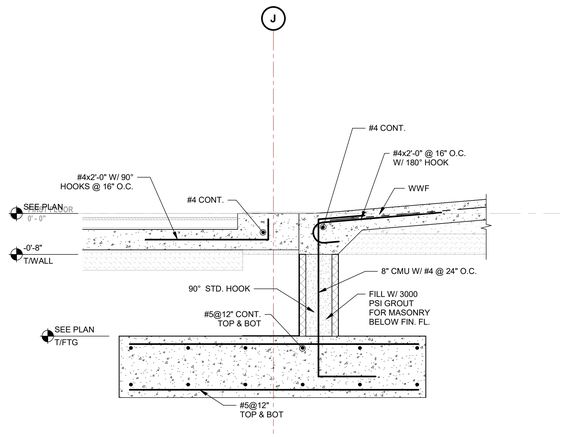
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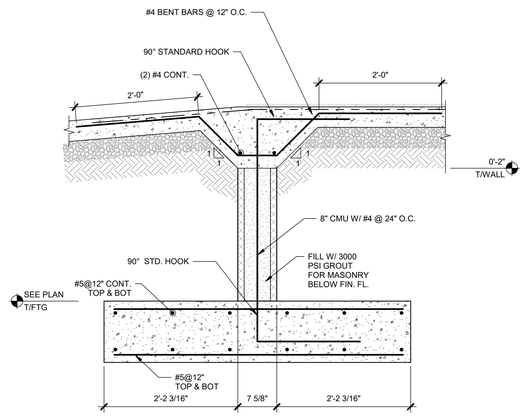
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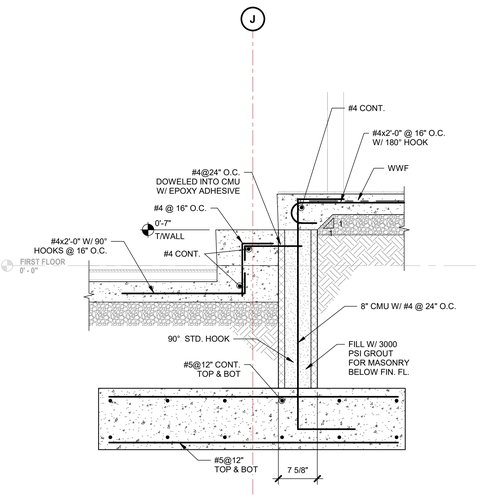

6 S-302 DETAIL AT LOW CONCRETE WALL
1" = 1'-0"



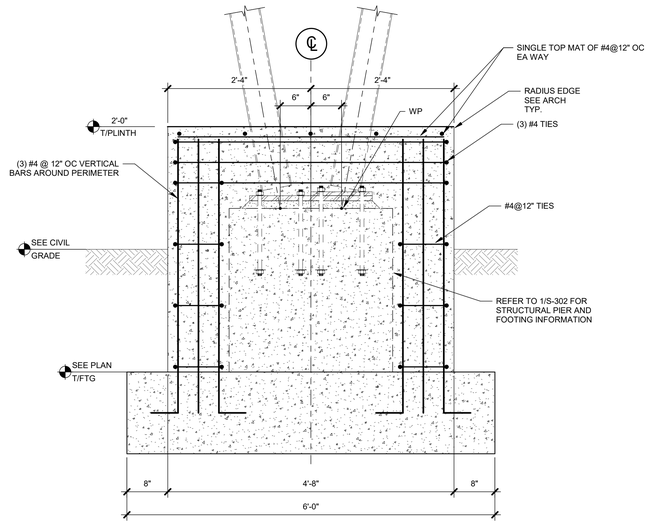

5 S-302 BOTTOM OF RAMP DETAIL
1" = 1'-0"



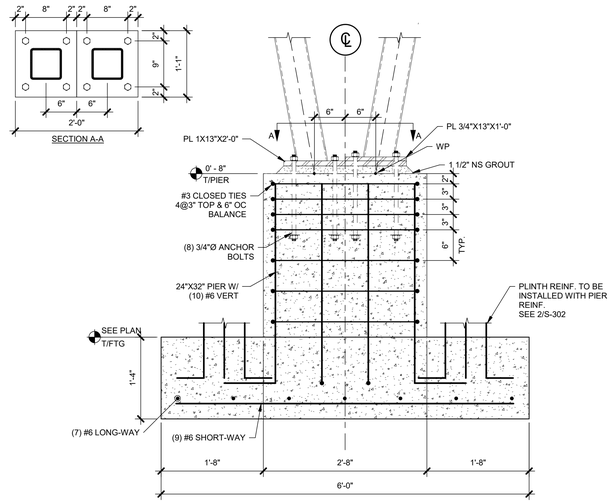

4 S-302 TOP OF RAMP DETAIL
1" = 1'-0"




3 S-302 PLATFORM STEP DETAIL
1" = 1'-0"




2 S-302 DETAIL AT PLINTH - SECOND CONCRETE POUR
1" = 1'-0"




1 S-302 DETAIL AT V COLUMN BASE - FIRST CONCRETE POUR
1" = 1'-0"

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NORTH CAROLINA PROFESSIONAL SEAL 037412 ENGINEER TIMOTHY K. WILTON
9/12/24

Construction Documents

Lenoir County
**EB Frink Middle School**
405 North Charles Street La Grange NC, 28551

ENERGY STAR PARTNER

| No. | Date | Description |
|---|---|---|

ISSUE DATE: 02/18/2025
PROJECT #: 02303.000
DRAWN BY: RJT
CHECKED BY: TH

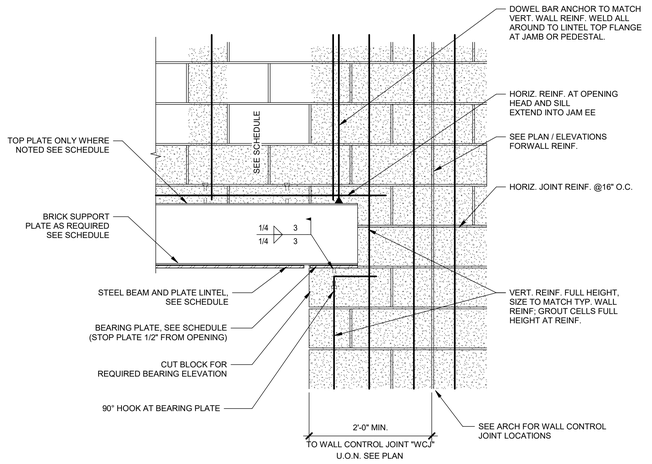
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FOUNDATION DETAILS

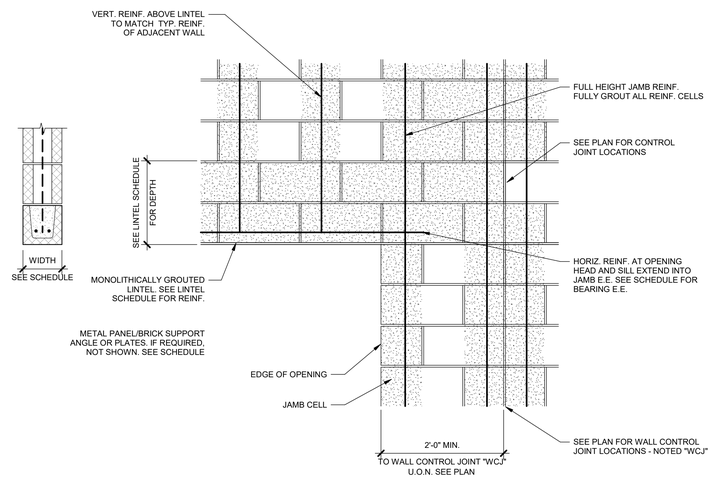
S-302

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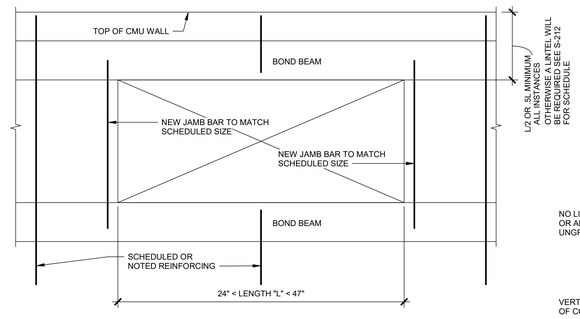
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10 S-303 TYP.STEEL LINTEL DETAIL
1" = 1'-0"

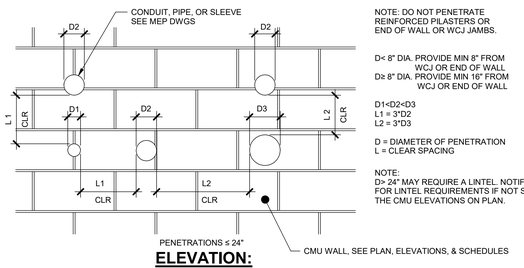



9 S-303 TYP. CMU LINTEL DETAIL
1" = 1'-0"




DUCT OPENINGS UNDER 47" WIDE PROVIDE BOND BEAM AT BOTTOM JAMB BARS ON EITHER SIDE, AND BOND BEAM ACROSS THE TOP -AS LONG AS DUCT IN NOT OVER 48" AND REBAR IS NOT MORE THAN 48" APART. IF REBAR IS MORE THAN 48", JAMB REINFORCING MUST BE INSTALLED FROM BELOW, FULL HT.

NON-LOAD BEARING INTERIOR PARTITIONS. PENETRATIONS > 24" < 47" REFER TO PLANS/ELEVATIONS FOR RQUIRED LOAD BEARING LINTELS OPENING SIZE:
LESS THAN OR EQUAL TO 24" - REFER TO ADJACENT DETAIL (ROUND OR RECTANGULAR)
GREATER THAN 24" AND LESS THAN 48" - SEE DETAIL ABOVE
GREATER THAN 48" - LINTEL SHALL BE PROVIDED IN ACCORDANCE WITH THE NON-LOAD BEARING LINTEL SCHEDULE ON SHEET S-212. FOR MASONRY LINTEL - THE HEIGHT OF CMU ABOVE THE OPENING MUST MEET THE L/2 OR .5L CRITERIA-OTHERWISE A STEEL LINTEL MUST BE PROVIDED IN ACCORDANCE WITH THE SCHEDULE. PROVIDE FULL HEIGHT JAMBS EACH SIDE.




NOTE: DO NOT PENETRATE REINFORCED PILASTERS OR END OF WALL OR WCJ JAMBS.

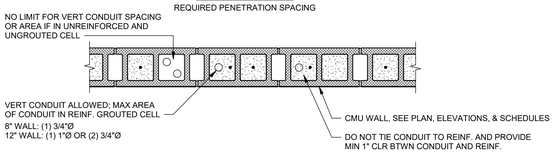
D< 8" DIA. PROVIDE MIN 8" FROM WCJ OR END OF WALL
D≥ 8" DIA. PROVIDE MIN 16" FROM WCJ OR END OF WALL

D1<D2<D3
L1 = 3*D2
L2 = 3*D3

D = DIAMETER OF PENETRATION
L = CLEAR SPACING

NOTE:
D> 24" MAY REQUIRE A LINTEL. NOTIFY THE EOR FOR LINTEL REQUIREMENTS IF NOT SHOWN ON THE CMU ELEVATIONS ON PLAN.

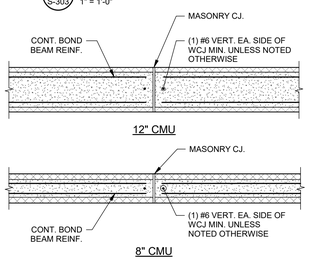
**ELEVATION:**
REQUIRED PENETRATION SPACING




**PLAN DETAIL:**
EMBEDDED UTILITIES

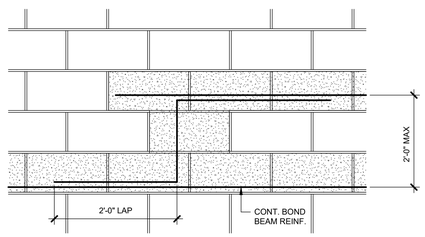
NOTES:
1. REFER TO MEP DRAWINGS FOR ALL TELECOM, CONDUIT, AND PIPES 8"Ø AND SMALLER. CONTRACTOR TO FOLLOW DETAIL SPACING REQUIREMENTS FOR LAYOUT. IF SPACING CANNOT BE MAINTAINED, PENETRATIONS MUST BE GROUPED BELOW CMU LINTEL. NOTIFY THE EOR FOR LINTEL REQUIREMENTS.
2. CONDUITS SHALL NOT PENETRATE BOND BEAMS NOR LINTELS IF AT ALL POSSIBLE.

8 S-303 CMU WALL UTILITY PENETRATION AND EMBEDMENT TYPICAL DETAIL
1" = 1'-0"

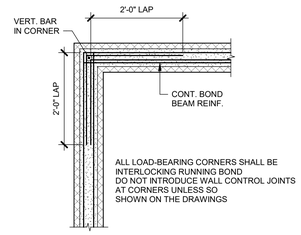



1. SEE ARCH FOR WCJ LOCATIONS.
2. SEE ARCH DWGS FOR FIRE STOPPING REQUIRMENTS IN RATED WALLS.

5 S-303 TYP. CONTROL JOINT DETAIL
3/4" = 1'-0"

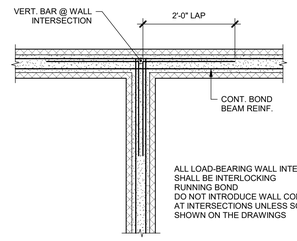



4 S-303 TYP. STEP IN BOND BEAM
1" = 1'-0"



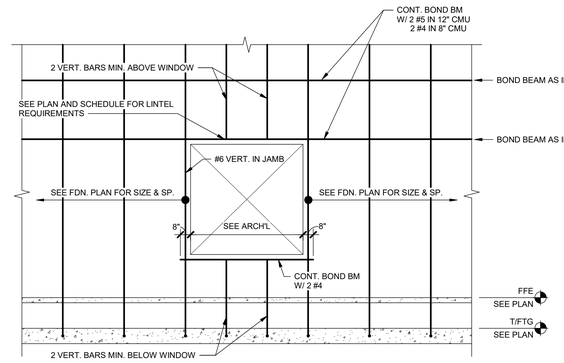

ALL LOAD-BEARING CORNERS SHALL BE INTERLOCKING RUNNING BOND
DO NOT INTRODUCE WALL CONTROL JOINTS AT CORNERS UNLESS SO SHOWN ON THE DRAWINGS

3 S-303 TYP. BOND BEAM CORNER
3/4" = 1'-0"

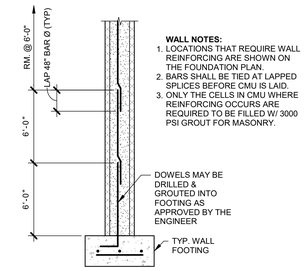



ALL LOAD-BEARING WALL INTERSECTIONS SHALL BE INTERLOCKING RUNNING BOND
DO NOT INTRODUCE WALL CONTROL JOINTS AT INTERSECTIONS UNLESS SO SHOWN ON THE DRAWINGS

2 S-303 TYP. BOND BEAM INTERSECTION
3/4" = 1'-0"




6 S-303 TYP. WALL ELEVATION - AT WINDOW
1/4" = 1'-0"




**WALL NOTES:**
1. LOCATIONS THAT REQUIRE WALL REINFORCING ARE SHOWN ON THE FOUNDATION PLAN.
2. BARS SHALL BE TIED AT LAPPED SPLICES BEFORE CMU IS LAID.
3. ONLY THE CELLS IN CMU WHERE REINFORCING OCCURS ARE REQUIRED TO BE FILLED W/ 3000 PSI GROUT FOR MASONRY.

1 S-303 CMU WALL REINF. DETAIL
3/4" = 1'-0"

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MASONRY DETAILS

S-303

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## LOAD BEARING / EXTERIOR LINTEL SCHEDULE

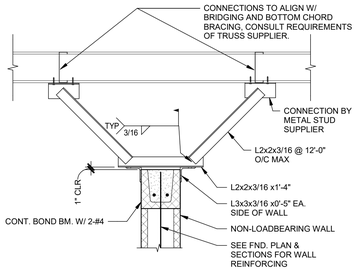
| MARK | WALL TYPE | LINTEL | SIZE | REINF. | SECTION | BEARING END | REMARKS |
|---|---|---|---|---|---|---|---|
| L-1 | 8" CMU 4" BRICK | U-BLOCK STEEL | 8x16 PL 3/8x7 1/2 (HORIZ.) PL 3/8x6 (VERT.) | (2)#4 | 1" - 3 5/8" | 8" | HOT DIPPED GALV. SEE 2/S-121D |
| L-2 | 8" CMU 4" BRICK | U-BLOCK STEEL | 8x24 PL 3/8x7 1/2 (HORIZ.) PL 3/8x6 (VERT.) | (2)#5 | | 8" | HOT DIPPED GALV SEE 2/S-121D |
| L-3 | 8" CMU BRICK | STEEL | W8x28 W/ 3/8"PL | ---- | | 8" | HOT DIPPED GALV. 1/2" Ø x 4" HSA @ 16" 1/4" STIFF PL @ 4'-0" BEARING PL 1/2x7x7 |
| L-4 | 8" CMU | U-BLOCK | 8x16 | (2)#4 | | 8" | ---- |
| L-5 | 8" CMU | U-BLOCK | 8x24 | (2)#5 | | 8" | ---- |
| L-6 | 12" CMU 4" BRICK | U-BLOCK STEEL | 12x24 PL 3/8x7 1/2 (HORIZ.) PL 3/8x6 (VERT.) | (2)#5 | | 16"★ | HOT DIPPED GALV SEE 2/S-121D |
| L-7 | 12" CMU | U-BLOCK | 12x16 | (2)#5 | | 16"★ | ---- |
| L-8 | 8" CMU | STEEL | W16x40 | ---- | | 16"★ | 1/2"Øx 4" HSA @ 16" BEARING PL 1/2x7x15 |
| L-9 | 8" CMU BRICK | STEEL | W16x40 W/ 3/8"PL | ---- | | 16"★ | HOT DIPPED GALV. 1/2" Ø x 4" HSA @ 16" 1/4" STIFF PL @ 4'-0" BEARING PL 1/2x7x15 |
| L-10 | 12" CMU BRICK | STEEL | W16x40 W/ 3/8"PL | ---- | | 16"★ | HOT DIPPED GALV. 1/2" Ø x 4" HSA @ 16" 1/4" STIFF PL @ 4'-0" BEARING PL 1/2x7x15 |
| L-11 | 12" CMU BRICK | STEEL | W16x40 W/ 3/8"PL | ---- | | 16"★ | HOT DIPPED GALV. 1/2" Ø x 4" HSA @ 16" BEARING PL 1/2x7x15 |
| MECH'L OPNG LESS THAN 30" WIDE | 8" CMU | U-BLOCK | 8x8 | (2)#4 | | 8" | ---- |
| MECH'L OPNG 30" TO 42" WIDE | 8" CMU | U-BLOCK | 8x16 | (2)#4 | | 8" | ---- |

★ AT LINTELS W/ 16" BEARING, EACH END OF LINTEL SHALL BEAR ON (2) GROUTED CELLS REINFORCED W/ #5 (INT.) OR #6 (EXT.)

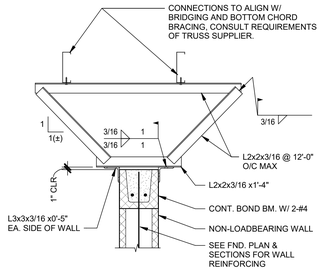
## INTERIOR LINTEL SCHEDULE

| WALL TYPE | OPENING WIDTH | LINTEL TYPE | LINTEL SIZE | REINF. | BEARING EA. END | REMARKS |
|---|---|---|---|---|---|---|
| 8" CMU | 1'-4" - 4'-0" | U-BLOCK | 8x8 | (2) - #4 | 8" | |
| 8" CMU | >4' - 6'-4" | U-BLOCK | 8x8 | (2) - #5 | 8" | |
| 8" CMU | 6'-8" - 8'-0" | U-BLOCK | 8x16 | (2) #4 | 8" | |
| 8" CMU | 9'-4" | U-BLOCK | 8x16 | (2) #5 | 8" | |

1. FILL CELLS OF LINTEL BLOCKS W/ 3000 PSI GROUT FOR MASONRY.
2. GENERAL CONTRACTOR SHALL COORDINATE LOCATION OF DUCT PENETRATIONS AND INSTALL LINTEL S AS REQ'D DURING WALL CONSTRUCTION.

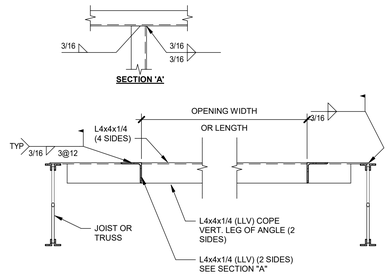



WALL PERPENDICULAR

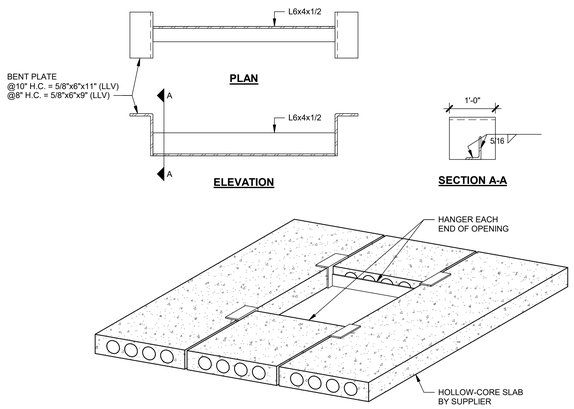



WALL PARALLEL

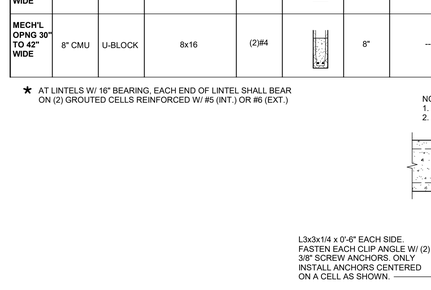
10 S-401 WALL BRACING DETAIL AT METAL STUD TRUSSES
1" = 1'-0"



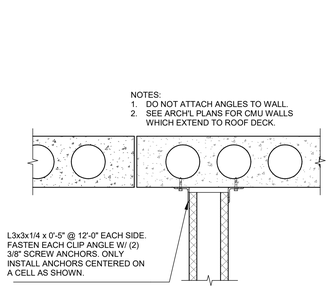

9 S-401 ROOF OPENING DETAIL
1" = 1'-0"




8 S-401 HOLLOW CORE ROOF PENETRATION DETAIL
3/8" = 1'-0"

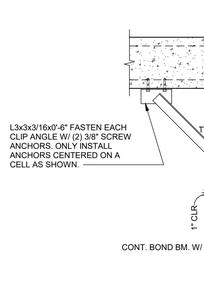



WALL PERPENDICULAR

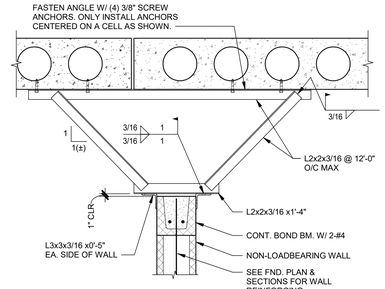



WALL PARALLEL

7 S-401 WALL BRACING DETAIL AT HOLLOW CORE
1" = 1'-0"

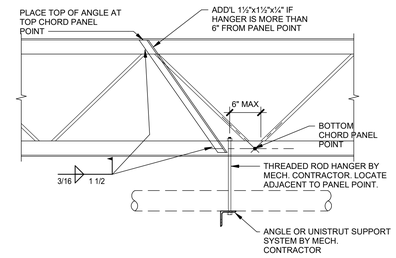



WALL PERPENDICULAR

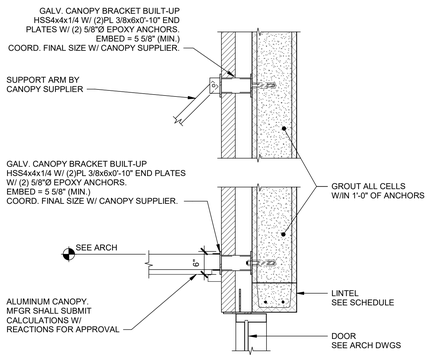



WALL PARALLEL

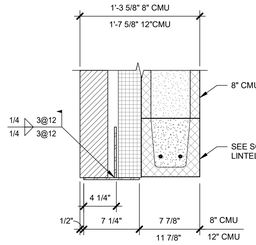
6 S-401 WALL BRACING DETAIL
1" = 1'-0"




5 S-401 UTILITY SUPPORT DETAIL
1" = 1'-0"



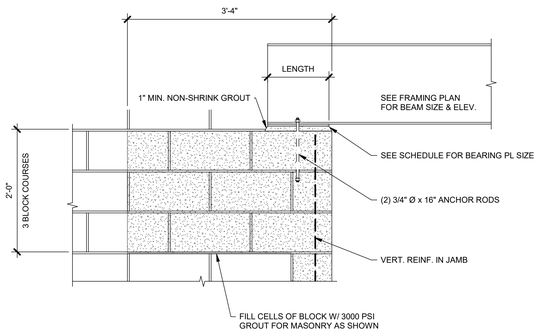

4 S-401 PREFAB CANOPY DETAIL
3/4" = 1'-0"



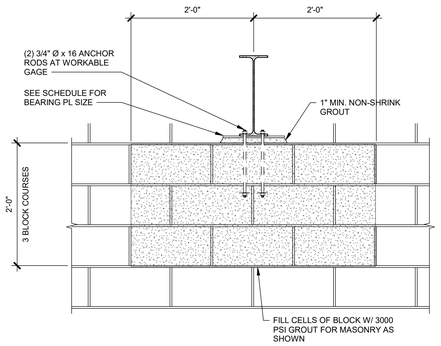

3 S-401 LINTEL DETAIL @ BRICK
1 1/2" = 1'-0"

**BEARING PLATE SCHEDULE**

| MARK | LENGTH | WIDTH | THICKNESS | REMARKS |
|---|---|---|---|---|
| PL-1 | 7" | 7" | 1/2" | |
| PL-2 | 7" | 7" | 3/4" | |
| PL-3 | 11" | 7" | 1/2" | |
| PL-4 | 7" | 11" | 1" | |
| PL-5 | 15" | 11" | 1" | |




2 S-401 BEAM BEARING DETAIL
1" = 1'-0"




1 S-401 BEAM BEARING DETAIL
1" = 1'-0"

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NORTH CAROLINA PROFESSIONAL SEAL 037412 ENGINEER TIMOTHY K. WILTON
9/12/24

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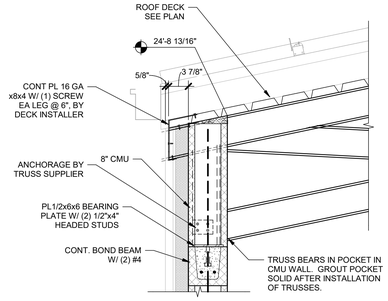
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TYPICAL FRAMING DETAILS

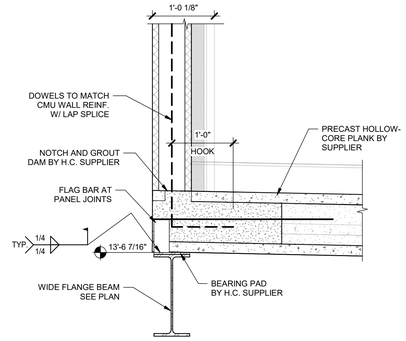
S-401

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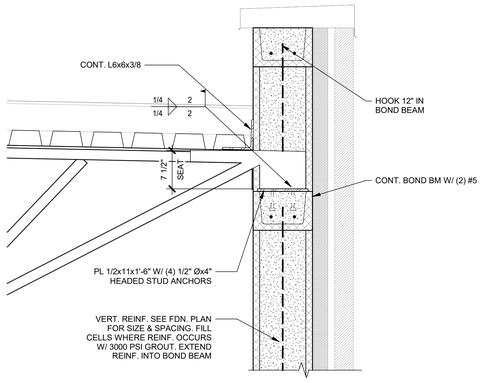
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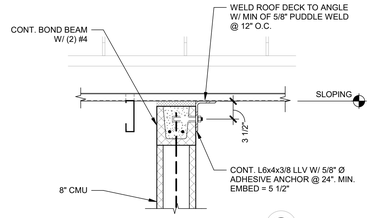

14 S-402 SECTION AT LOW EAVE
1" = 1'-0"



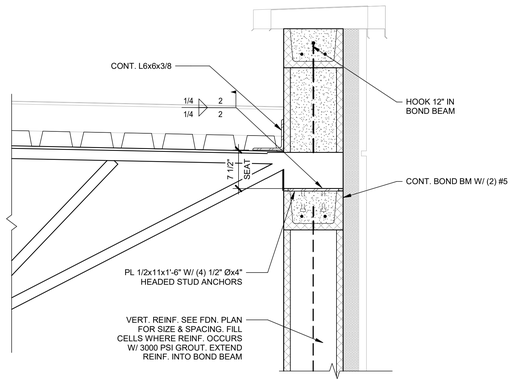

13 S-402 HOLLOW-CORE DETAIL
1" = 1'-0"



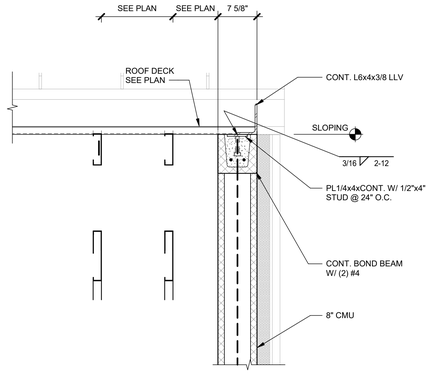

12 S-402 DETAIL AT GYM PARAPET
1" = 1'-0"



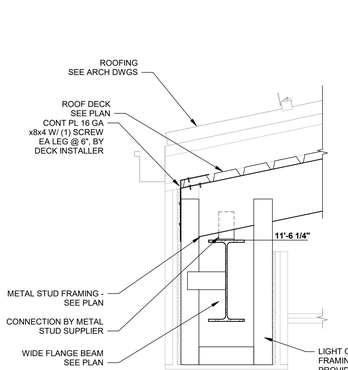

11 S-402 DETAIL AT SHEAR WALL
1" = 1'-0"



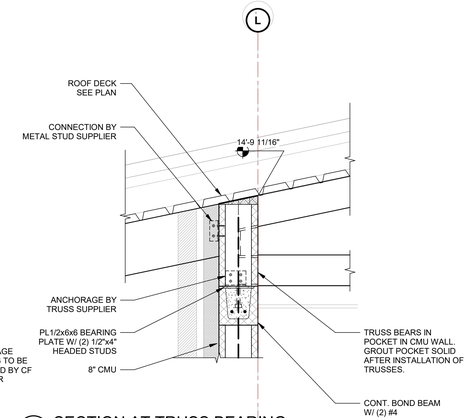

10 S-402 DETAIL AT GYM
1" = 1'-0"



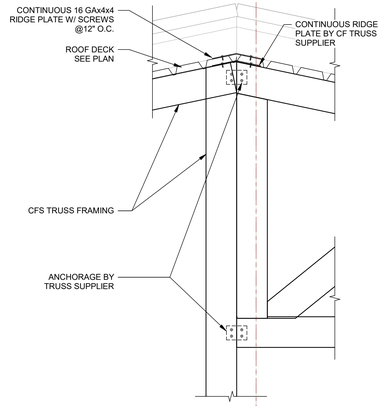

9 S-402 SECTION AT RAKE
1" = 1'-0"



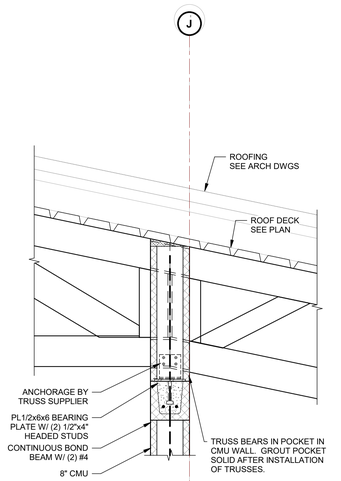

8 S-402 SECTION
1" = 1'-0"



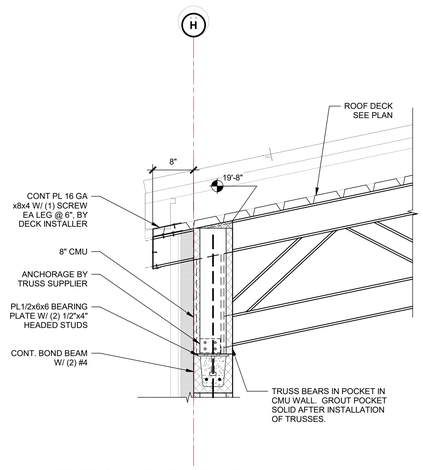

7 S-402 SECTION AT TRUSS BEARING
1" = 1'-0"



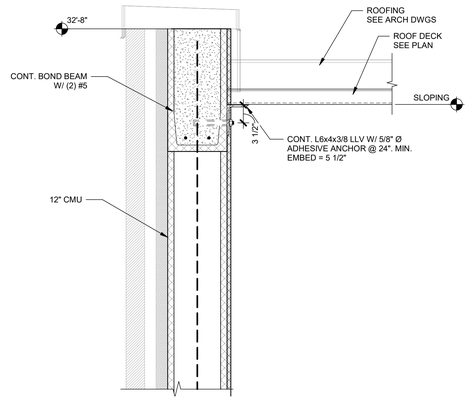

6 S-402 SECTION AT RIDGE
1" = 1'-0"



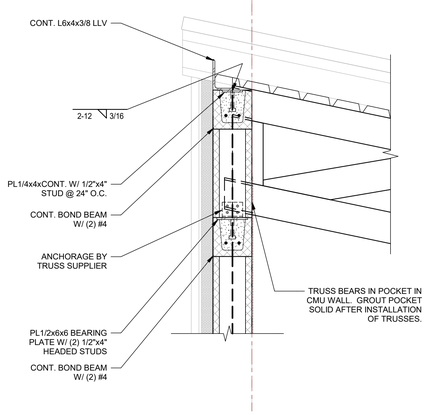

5 S-402 SECTION AT TRUSS BEARING
1" = 1'-0"



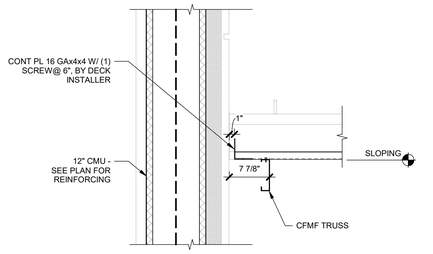

4 S-402 SECTION AT LOW EAVE
1" = 1'-0"




3 S-402 GYM DETAIL AT PARAPET
1" = 1'-0"




2 S-402 SECTION AT HIGH WALL
1" = 1'-0"




1 S-402 SECTION AT EXPANSION JOINT
1" = 1'-0"

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NORTH CAROLINA PROFESSIONAL SEAL 037412 ENGINEER TIMOTHY K. WILTON 9/12/24

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ENERGY STAR PARTNER

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ISSUE DATE: 02/18/2025
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DRAWN BY: RJT
CHECKED BY: TH

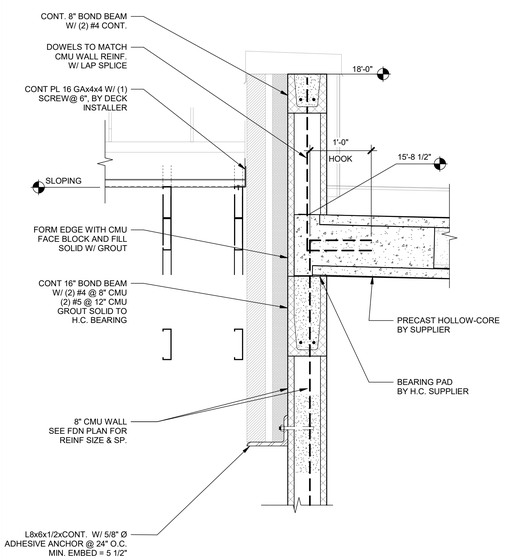
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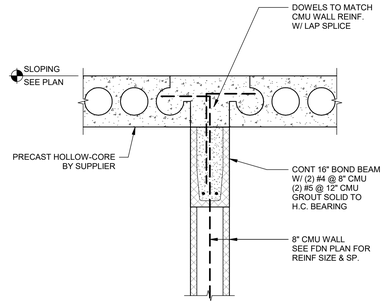
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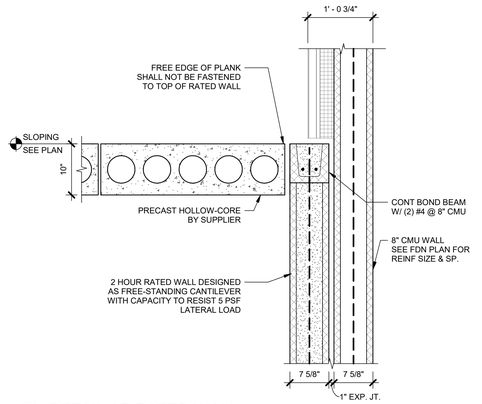
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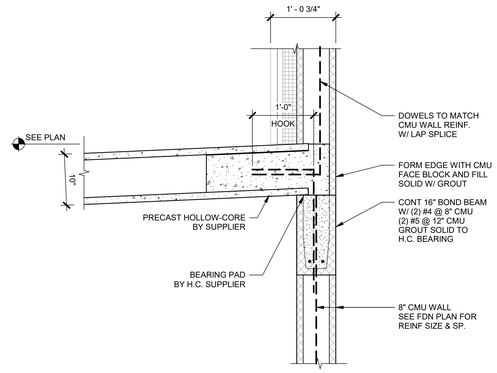

12 S-403 DETAIL AT RETURN PARAPET
1" = 1'-0"



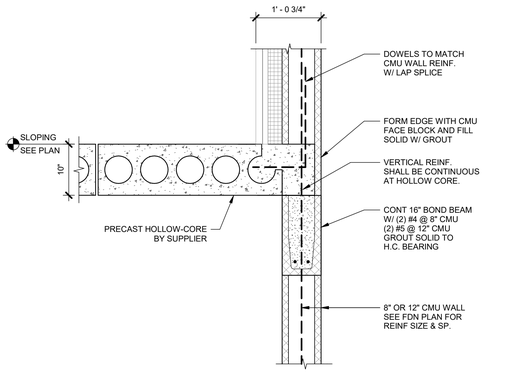

11 S-403 HOLLOW-CORE DETAIL AT SHEAR WALL
1" = 1'-0"



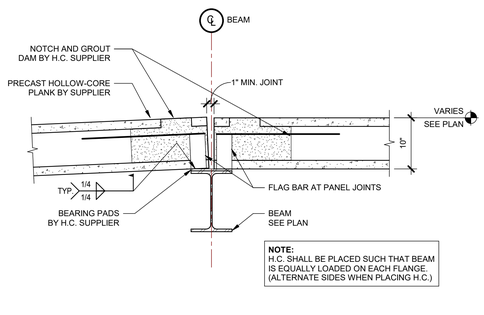

10 S-403 DETAIL AT RATED WALL
1" = 1'-0"



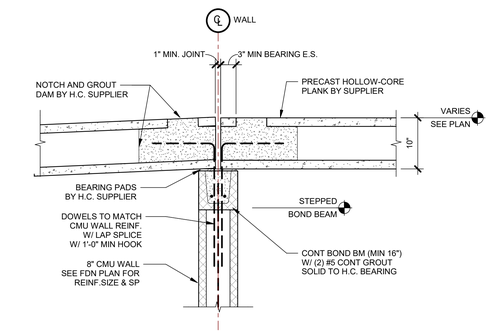

9 S-403 HOLLOW-CORE DETAIL
1" = 1'-0"



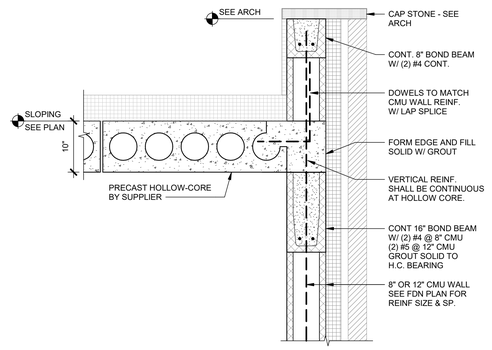

8 S-403 HOLLOW-CORE DETAIL
1" = 1'-0"



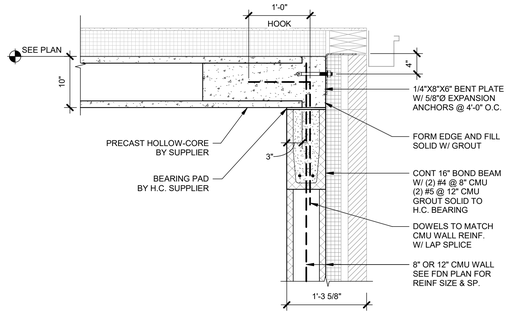

7 S-403 HOLLOW-CORE DETAIL
1" = 1'-0"



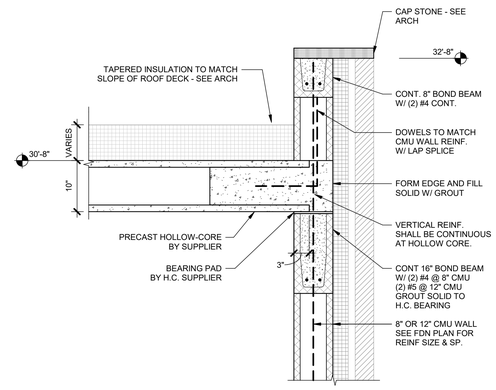

6 S-403 HOLLOW-CORE DETAIL
1" = 1'-0"



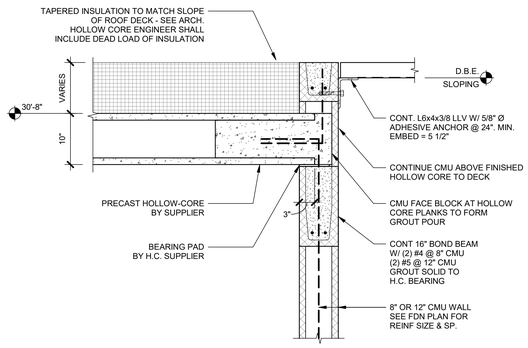

5 S-403 HOLLOW-CORE DETAIL
1" = 1'-0"



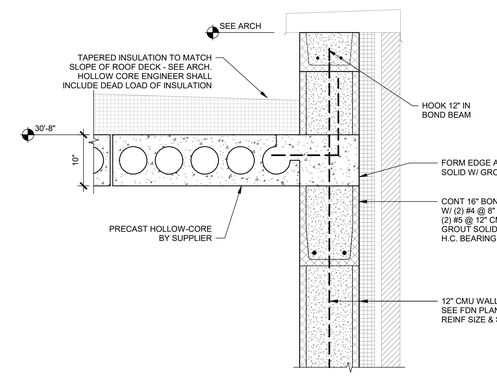

4 S-403 HOLLOW-CORE DETAIL
1" = 1'-0"




3 S-403 HOLLOW-CORE DETAIL
1" = 1'-0"




2 S-403 HOLLOW-CORE DETAIL
1" = 1'-0"




1 S-403 HOLLOW-CORE DETAIL
1" = 1'-0"

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CHECKED BY: TH

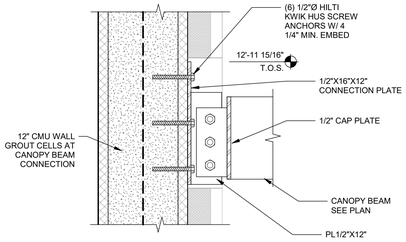
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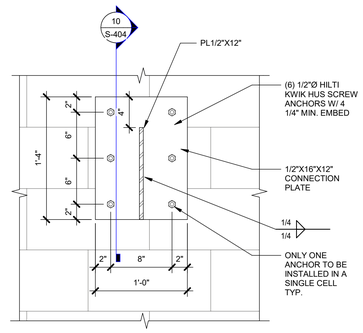
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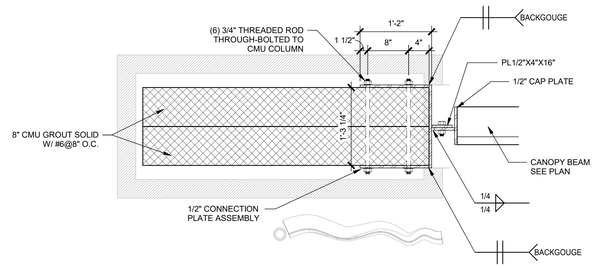
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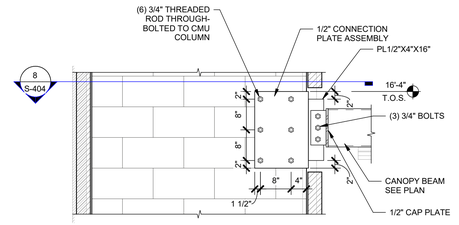

10 S-404 CANOPY CONNECTION TO GYM WALL
1 1/2" = 1'-0"



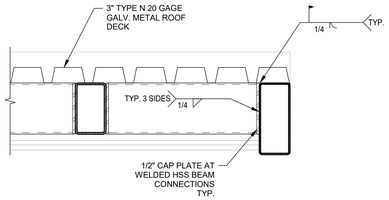

9 S-404 CANOPY CONNECTION TO GYM WALL
1 1/2" = 1'-0"



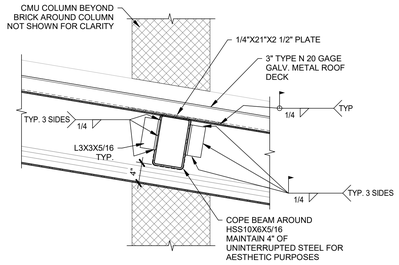

8 S-404 CANOPY TO CMU CONNECTION
1" = 1'-0"



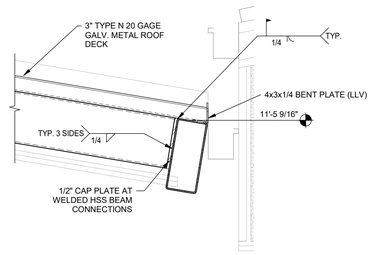

7 S-404 CANOPY TO CMU CONNECTION
3/4" = 1'-0"



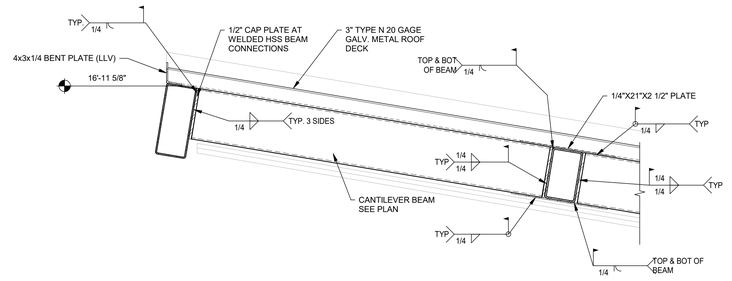

6 S-404 EAST CANOPY SECTION AT CANTILEVER
1" = 1'-0"



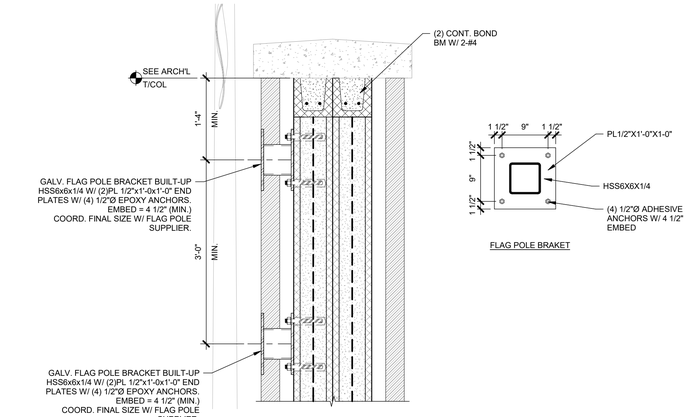

5 S-404 CANOPY SECTION
1" = 1'-0"

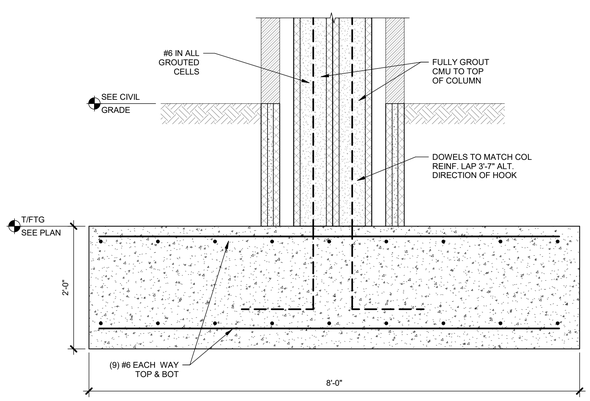



4 S-404 NORTH CANOPY SECTION AT CANTILEVER
1" = 1'-0"

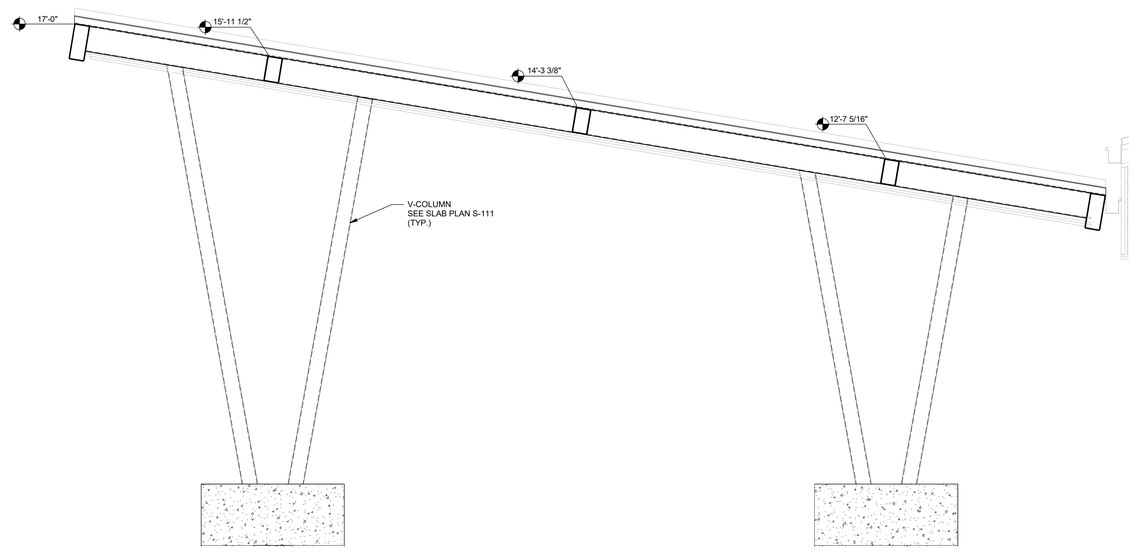



3 S-404 SOUTH CANOPY SECTION AT CANTILEVER
1" = 1'-0"




2 S-404 CANOPY SUPPORT COLUMN
1" = 1'-0"




1 S-404 MAIN CANOPY ELEVATION
1/2" = 1'-0"

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NORTH CAROLINA PROFESSIONAL SEAL 037412 ENGINEER TIMOTHY K. WILTON
9/12/24

Construction Documents

Lenoir County
# EB Frink Middle School
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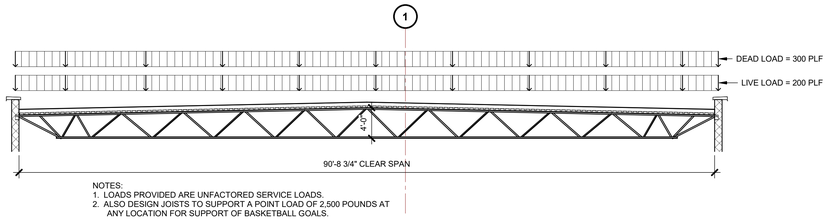
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CANOPY AND ROOF DETAILS

S-404

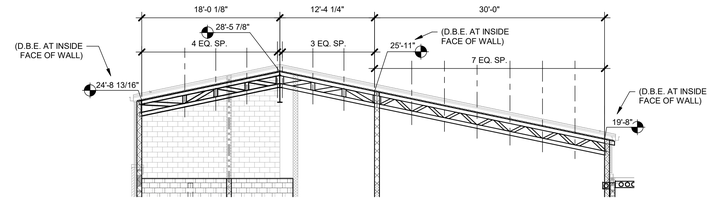
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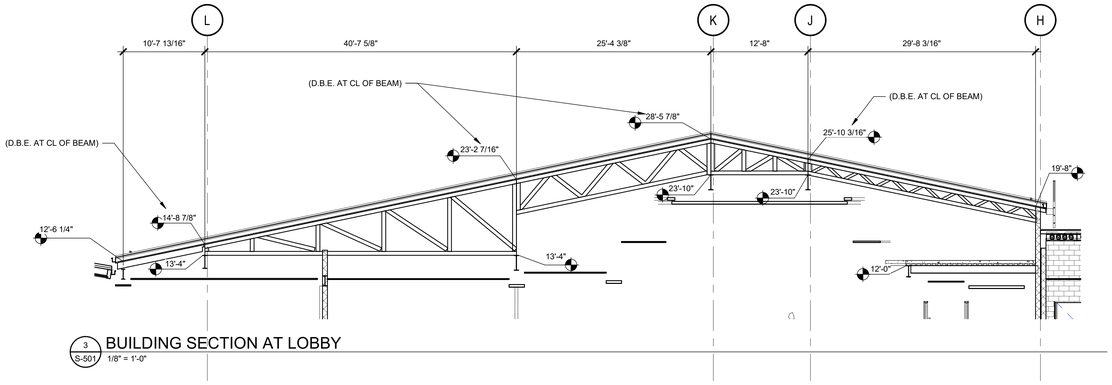



NOTES:
1. LOADS PROVIDED ARE UNFACTORED SERVICE LOADS.
2. ALSO DESIGN JOISTS TO SUPPORT A POINT LOAD OF 2,500 POUNDS AT ANY LOCATION FOR SUPPORT OF BASKETBALL GOALS.

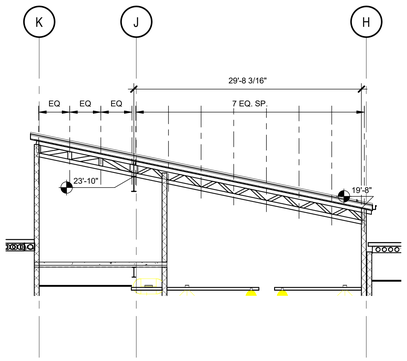
4 S-501 PROFILE FOR ROOF JOIST AT GYM
1/8" = 1'-0"



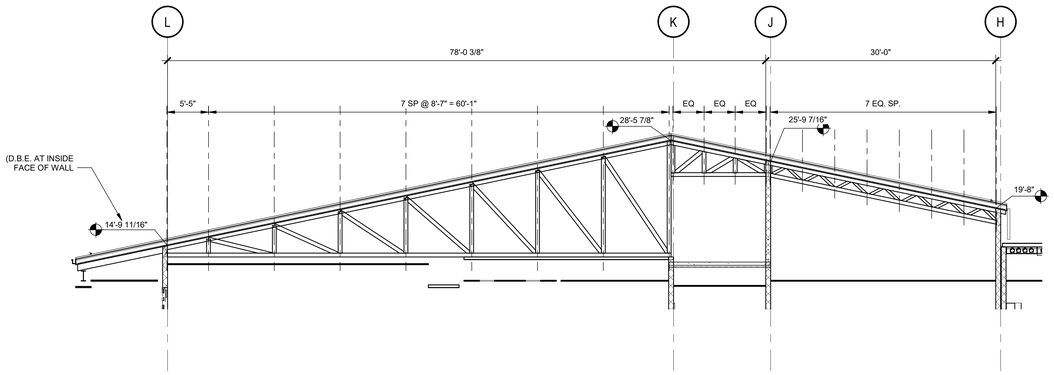

5 S-501 BUILDING SECTION AT AREA 600
1/8" = 1'-0"




3 S-501 BUILDING SECTION AT LOBBY
1/8" = 1'-0"




2 S-501 BUILDING SECTION AT EAST END
1/8" = 1'-0"




1 S-501 TYPICAL BUILDING SECTION
1/8" = 1'-0"

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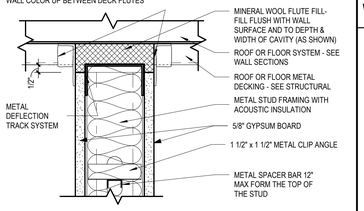
SECTIONS/TRUSS PROFILES

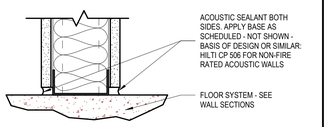
S-501

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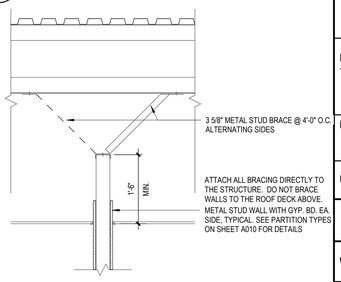
APPLY 1/8" DEPTH ACOUSTIC SPRAY OVERLAPPING 1/2" MIN ONTO DECK AND WALL SUBSTRATES (BASIS OF DESIGN OR SIMILAR: HILTI CP 572 FOR NON-FIRE RATED WALLS AND CFS-SP WB FOR FIRE RATED WALLS IN ACCORDANCE TO UL DESIGN DETAIL HW-D-0098 - PROVIDE CLEAN, STRAIGHT, TROWEL FINISHED EDGE AT ALL EXPOSED LOCATIONS - EXTEND WALL COLOR UP BETWEEN DECK FLUTES



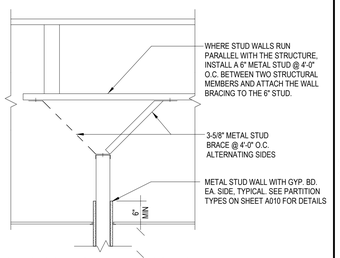




## 5 A-010 JOINT PROTECTION DTL - MTL STUD WALLS

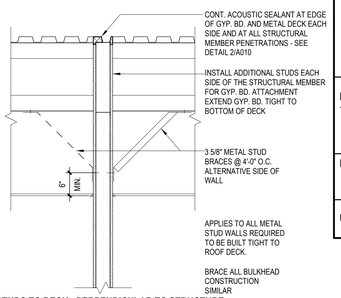
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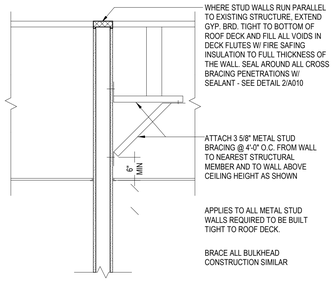

**STUDS TO CEILING - PERPENDICULAR TO STRUCTURE**




**STUDS TO CEILING - PARALLEL TO STRUCTURE**

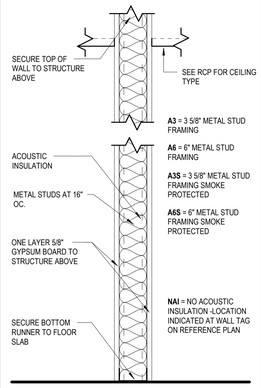
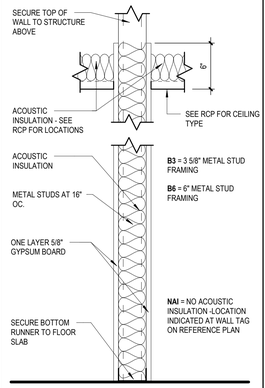
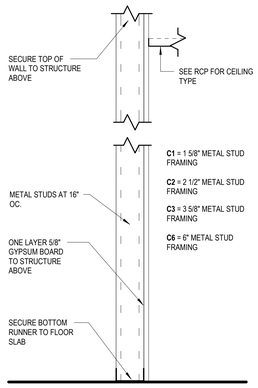
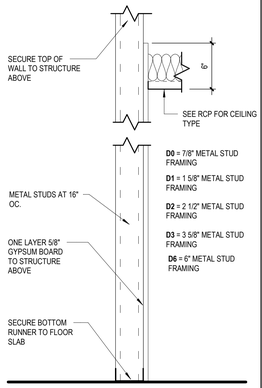
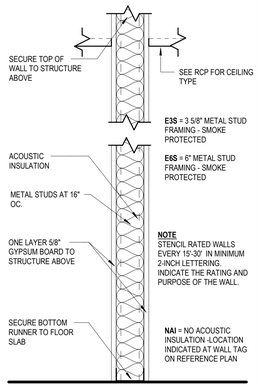
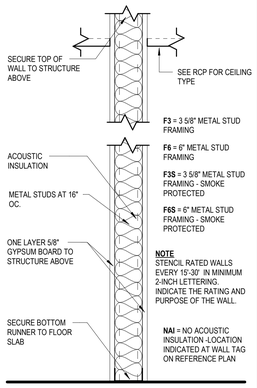
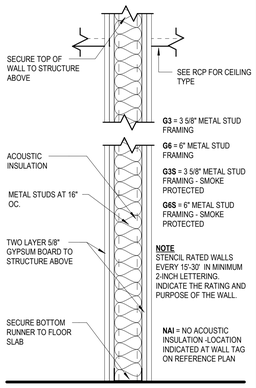
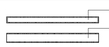
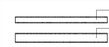
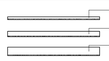
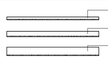



**STUDS TO DECK - PERPENDICULAR TO STRUCTURE PARALLEL TO DECK FLUTES FULL-HEIGHT GWB**

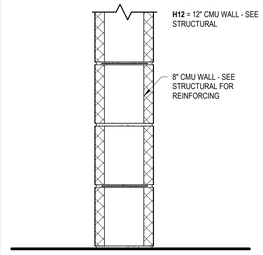
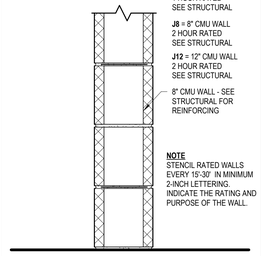
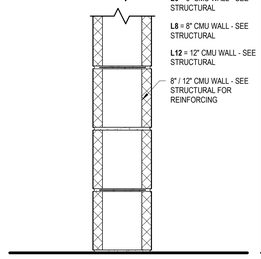
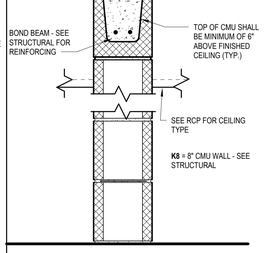
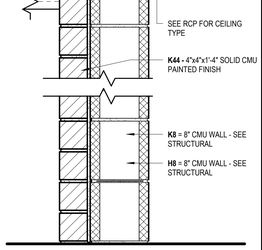
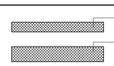
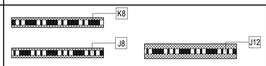



**STUDS TO DECK - PARALLEL TO STRUCTURE PERPENDICULAR TO DECK FLUTES FULL-HEIGHT GWB**

## PARTITION TYPE LEGEND METAL STUD WALLS

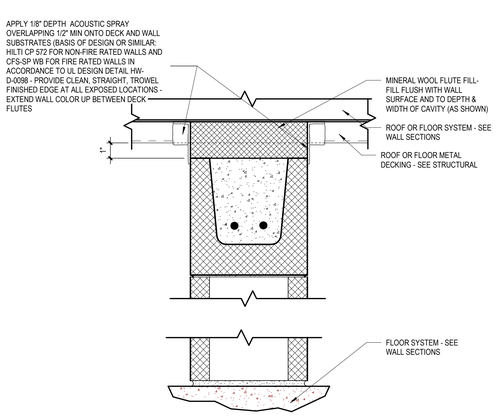
| WALL TYPE MARKER | A3 A6 | B3 B6 | C1 C2 C3 C6 | D0 D1 D2 D3 D6 | E3S E6S | F3 F6 | G3 G6 |
|---|---|---|---|---|---|---|---|
| SECTION 1 1/2" = 1' - 0" |  |  |  |  |  |  |  |
| PLAN 1/4" = 1' - 0" |  |  |  |  |  |  |  |
| DESCRIPTION | METAL STUD NONRATED WALL (ADD S FOR A 1 FIRE RATED & SMOKE PROTECTED WALL) | METAL STUD NONRATED WALL | METAL STUD NONRATED WALL | METAL STUD NONRATED WALL | METAL STUD WALL **1/2" HOUR FIRE RATED & SMOKE RATED** UP TO UNDERSIDE OF DECKING ABOVE | METAL STUD WALL **1 HOUR FIRE RATED** UP TO UNDERSIDE OF DECKING ABOVE (ADD S FOR A 1 HOUR FIRE RATED & SMOKE PROTECTED WALL) | METAL STUD WALL **2 HOUR FIRE RATED** UP TO UNDERSIDE OF DECKING ABOVE (ADD S FOR A 2 HOUR FIRE RATED & SMOKE PROTECTED WALL) |
| UL DESIGN # | | | | | UL DESIGN **#U419** | UL DESIGN **#U419** | UL DESIGN **#U419** |

## PARTITION TYPE LEGEND CONCRETE MASONRY UNIT WALLS

| WALL TYPE MARKER | H8 H12 | J8 J12 K8 | L4 L6 L8 L12 | L8A6 | K44 |
|---|---|---|---|---|---|
| SECTION 1 1/2" = 1' - 0" |  |  |  |  |  |
| PLAN 1/4" = 1' - 0" |  |  | | | |
| DESCRIPTION | CONCRETE MASONRY UNIT NONRATED WALL EXTEND TO DECK ABOVE | CONCRETE MASONRY UNIT WALL **2 HOUR FIRE RATED** UP TO UNDERSIDE OF DECKING ABOVE (USED FOR 1 HOUR FIRE RATED MASONRY WALLS AS WELL) | CONCRETE MASONRY UNIT NONRATED WALL EXTEND ABOVE CEILING | CONCRETE MASONRY UNIT NONRATED WALL WITH METAL STUD/GWB TO DECK | ACCENT CONCRETE MASONRY UNIT |
| UL DESIGN # | | UL DESIGN **#U905** | | | |

## PARTITION NOTES

1 - INDCIATED ALL RATED WALLS - RATED WALLS TO BE INDICATED WITH RED LETTERING EVERY 15'-30' IN MINIMUM 2" LETTERING. IDNCIATE THE RATING AND PURPOSE OF THE WALL (I.E. - FIRE WALL, FIRE BARRIER, FIRE PARTION, SMOKE BARRIER, SMOKE PARTITION) PER NCBC 2018 SECTION 703.7. SEE SIGNAGE SPECIFCIATION FOR WARNING STENCILS.

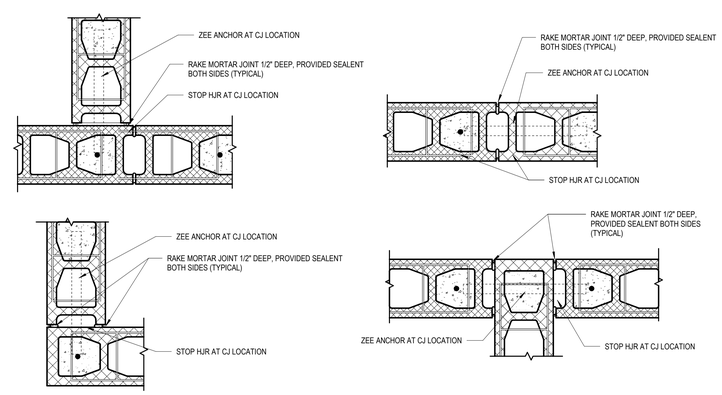



## 4 A-010 METAL STUD PARTITION BRACING

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

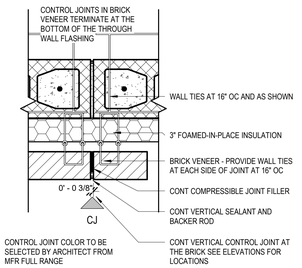
## 3 A-010 JOINT PROTECTION DETAIL - CMU WALLS

SCALE: 3" = 1'-0"




## 2 A-010 010-TYPICAL CMU WALL CONTROL JOINT DETAILS

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




## 1 A-010 CONTROL JOINT DETAIL - EXT. WALL

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

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CERT. NO. 50676
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RALEIGH, NORTH CAROLINA
9.12.25

Construction Documents

Lenoir County

# EB Frink Middle School

405 North Charles Street La Grange NC, 28551

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ISSUE DATE: 02/18/2025
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WALL PARTITION TYPES & TYPICAL WALL DETAILS

A-010

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**1 A-101 OVERALL FIRST FLOOR PLAN**
SCALE: 1/16" = 1'-0"

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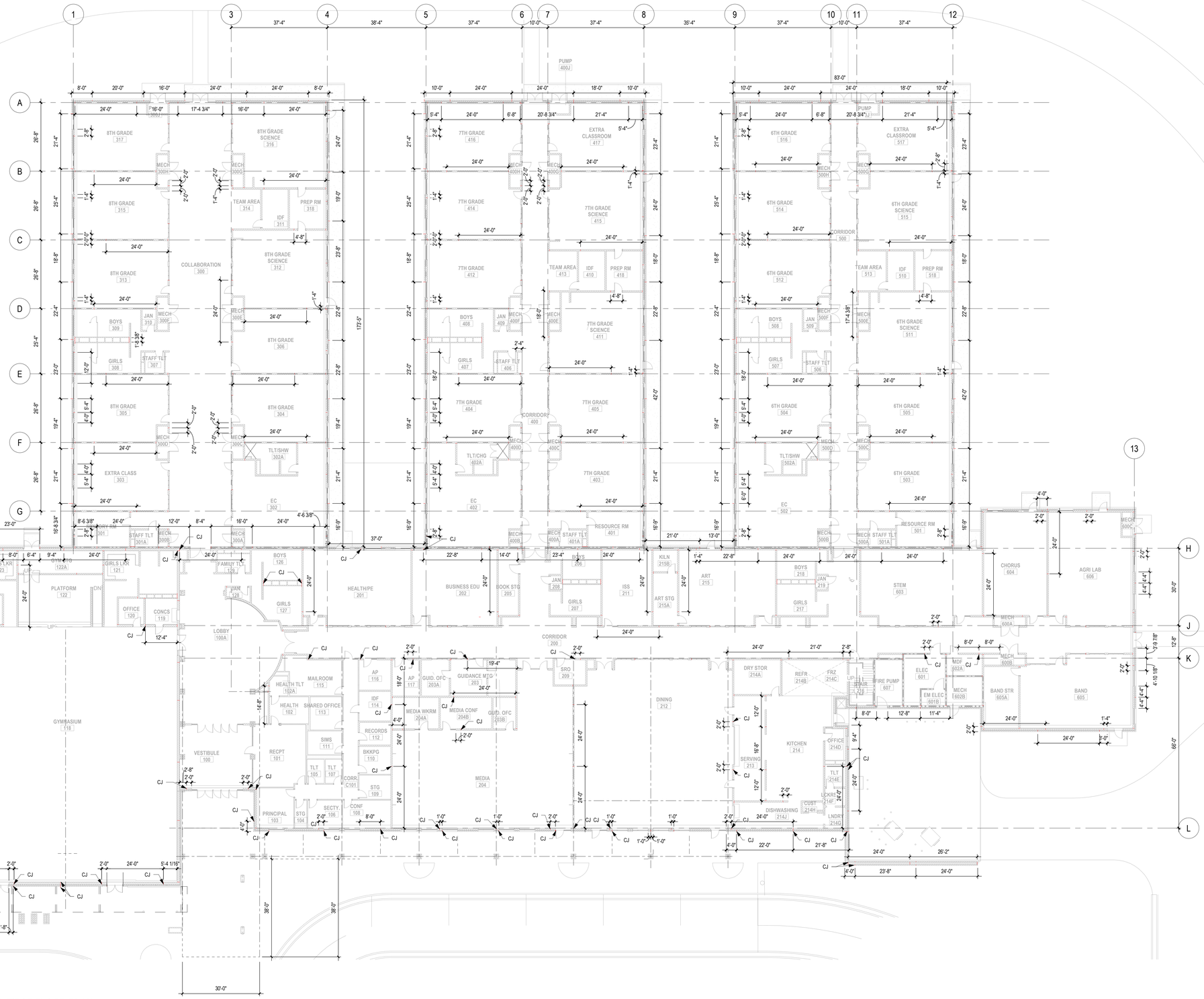
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OVERALL PLAN

A-101

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1 A-102 **OVERALL FIRST FLOOR PLAN**

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

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OVERALL PLAN - CONTROL JOINTS

A-102

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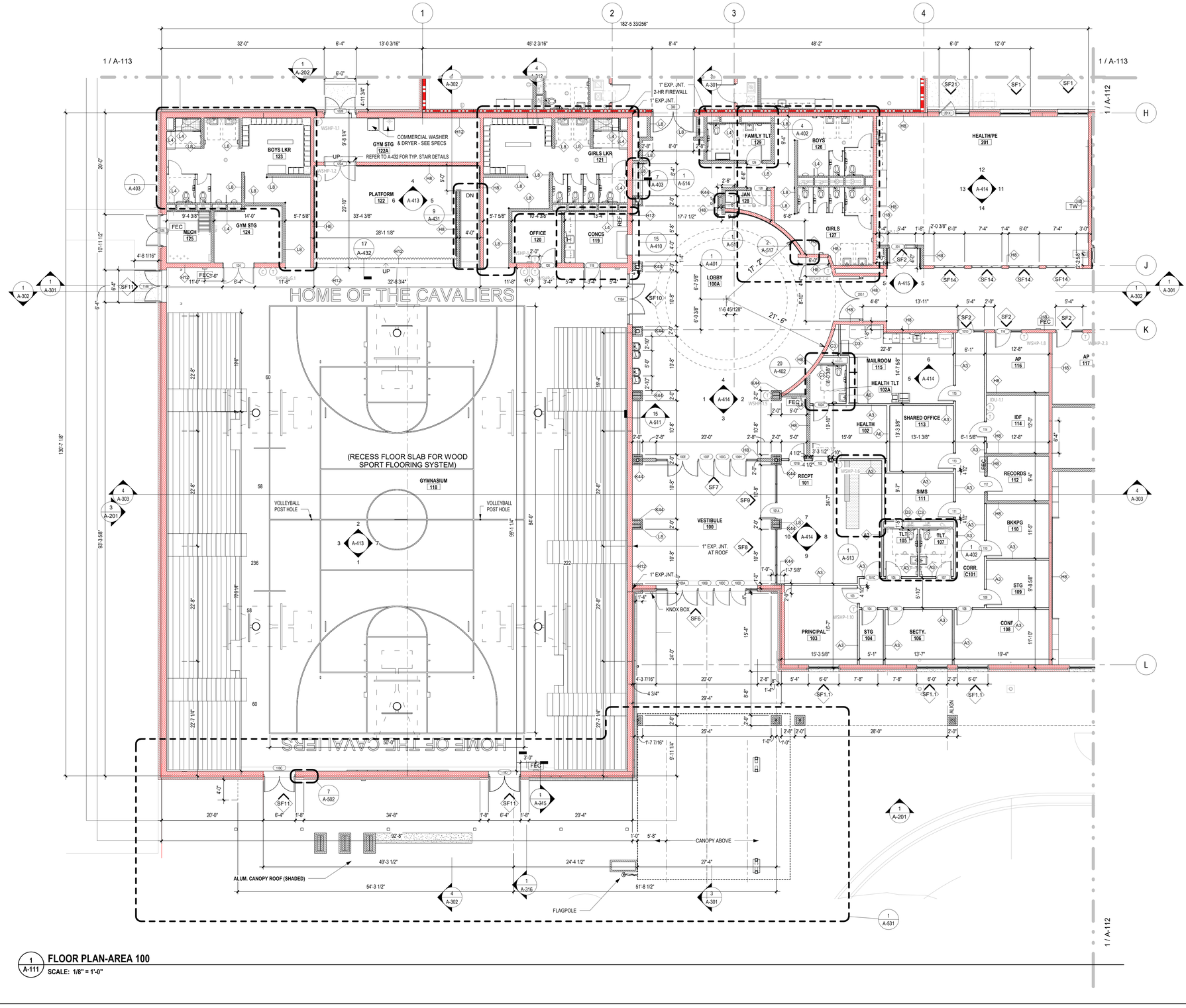
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## FLOOR PLAN LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| | 1 HR RATED (FIRE BARRIER) |
| | 2 HOUR RATED WALL |
| | RED HIGHLIGHTED WALLS - LOAD BEARING CORE. SEE STRUCTURAL. |
| TW | TEACHING WALL - SEE SHEET 401 |
| | BULLNOSE CMU CORNER - SEE DETAIL 14 & 15 A-511 |
| CJ | CONTROL JOINT - SEE DETAIL A-010 |
| FD | FLOOR DRAIN - SEE PLUMBING DRAWINGS |
| W2 | STOREFRONT (CURTAIN WALL) TAG - SEE SHEET A-611 AND FLOOR PLANS |
| | WINDOW TAG - SEE SHEET A-611 AND FLOOR PLANS |
| 100 | DOOR TAG - SEE SHEET A-601 AND FLOOR PLANS |

## GENERAL NOTES:

1. SEE SHEET A-101 FOR OVERALL PLAN AND DIMENSIONS
2. SEE SHEET A-010 FOR UL DESIGNS AND PARTITION TYPES.
3. SEE G-003 FOR UL DETAILS.
4. SEE G-111 FOR LIFE SAFETY FLOOR PLAN




1 / A-111 **FLOOR PLAN-AREA 100**
SCALE: 1/8" = 1'-0"

**KEY PLAN 100**

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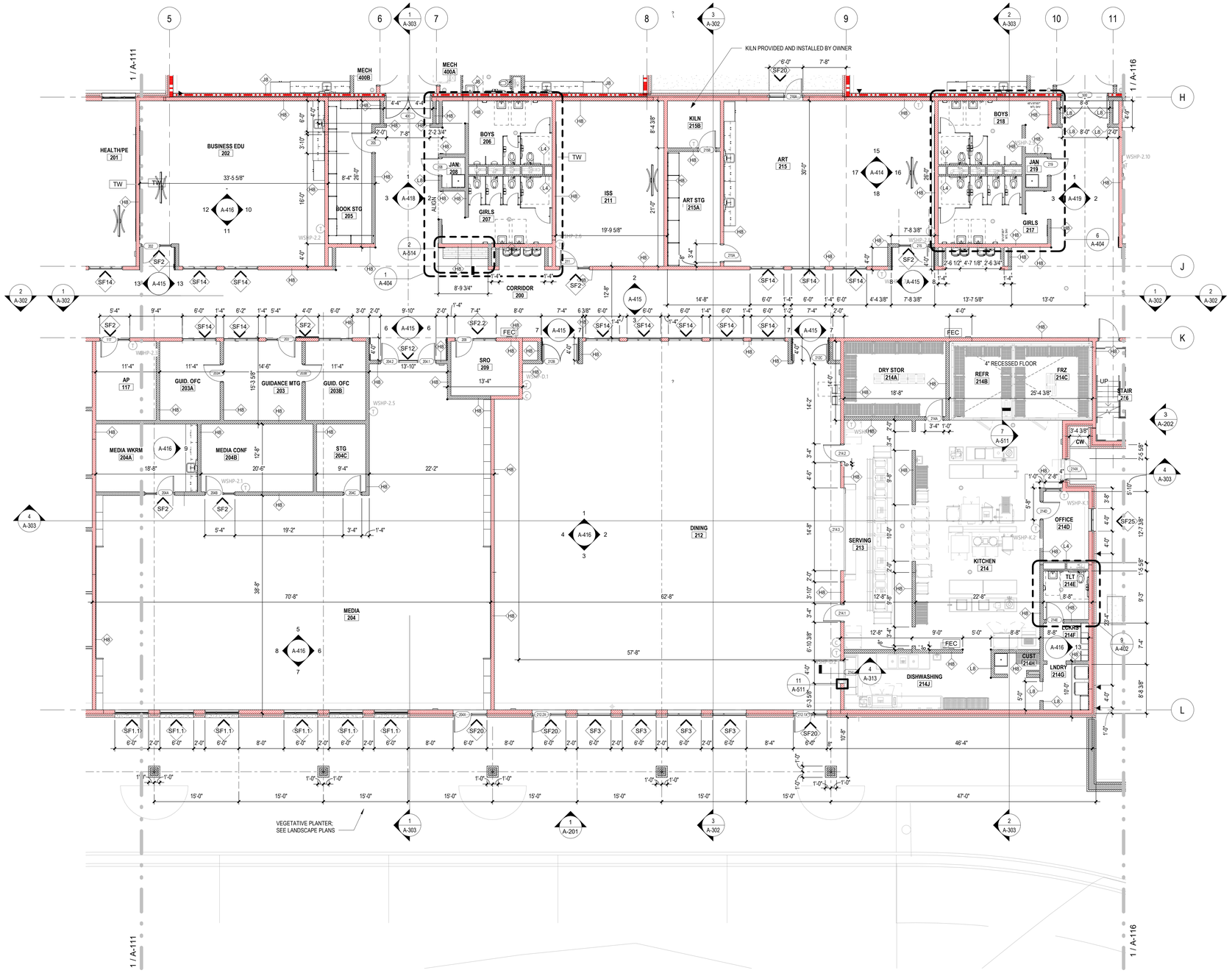
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FLOOR PLAN - AREA 100

A-111

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## FLOOR PLAN LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| | 1 HR RATED (FIRE BARRIER) |
| | 2 HOUR RATED WALL |
| | RED HIGHLIGHTED WALLS - LOAD BEARING CORE. SEE STRUCTURAL. |
| TW | TEACHING WALL - SEE SHEET 401 |
| | BULLNOSE CMU CORNER - SEE DETAIL 14 & 15 A-511 |
| CJ | CONTROL JOINT - SEE DETAIL A-010 |
| FD | FLOOR DRAIN - SEE PLUMBING DRAWINGS |
| W2 | STOREFRONT (CURTAIN WALL) TAG - SEE SHEET A-611 AND FLOOR PLANS |
| | WINDOW TAG - SEE SHEET A-611 AND FLOOR PLANS |
| 100 | DOOR TAG - SEE SHEET A-601 AND FLOOR PLANS |

## GENERAL NOTES:

1. SEE SHEET A-101 FOR OVERALL PLAN AND DIMENSIONS.
2. SEE SHEET A-010 FOR UL DESIGNS AND PARTITION TYPES.
3. SEE G-003 FOR UL DETAILS.
4. SEE G-111 FOR LIFE SAFETY FLOOR PLAN

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FLOOR PLAN - AREA 200



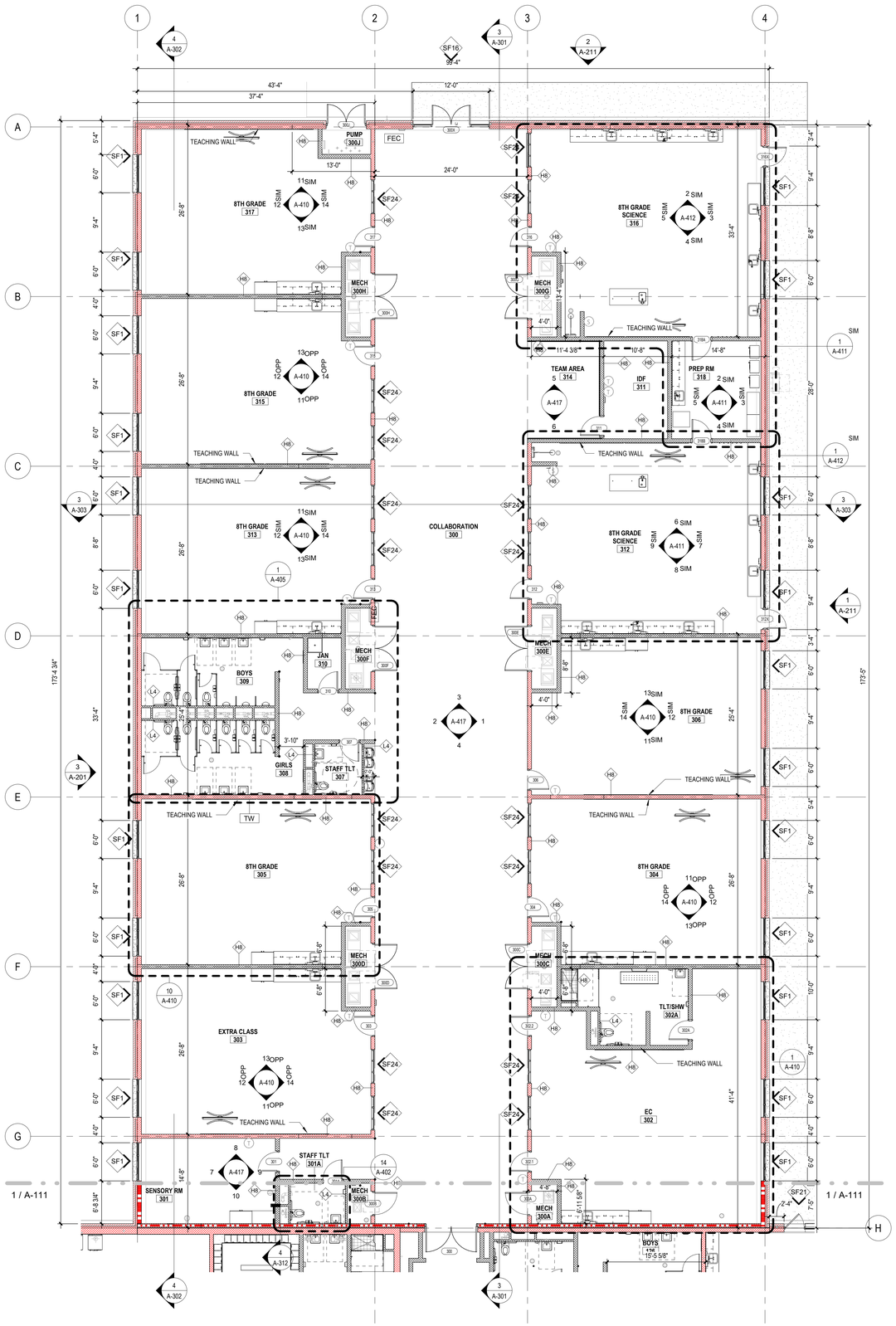

KEY PLAN 200

A-112

1 A-112 FLOOR PLAN - AREA 200
SCALE: 1/8" = 1'-0"

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1 A-113 **FLOOR PLAN-AREA 300**

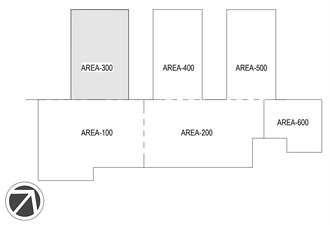
SCALE: 1/8" = 1'-0"

## FLOOR PLAN LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| | 1 HR RATED (FIRE BARRIER) |
| | 2 HOUR RATED WALL |
| | RED HIGHLIGHTED WALLS - LOAD BEARING CORE. SEE STRUCTURAL. |
| TW | TEACHING WALL - SEE SHEET 401 |
| | BULLNOSE CMU CORNER - SEE DETAIL 14 & 15 A-511 |
| CJ | CONTROL JOINT - SEE DETAIL A-010 |
| FD | FLOOR DRAIN - SEE PLUMBING DRAWINGS |
| W2 | STOREFRONT (CURTAIN WALL) TAG - SEE SHEET A-611 AND FLOOR PLANS |
| | WINDOW TAG - SEE SHEET A-611 AND FLOOR PLANS |
| 100 | DOOR TAG - SEE SHEET A-601 AND FLOOR PLANS |

## GENERAL NOTES:

1. SEE SHEET A-101 FOR OVERALL PLAN AND DIMENSIONS.
2. SEE SHEET A-010 FOR UL DESIGNS AND PARTITION TYPES.
3. SEE G-003 FOR UL DETAILS.
4. SEE G-111 FOR LIFE SAFETY FLOOR PLAN




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Lenoir County

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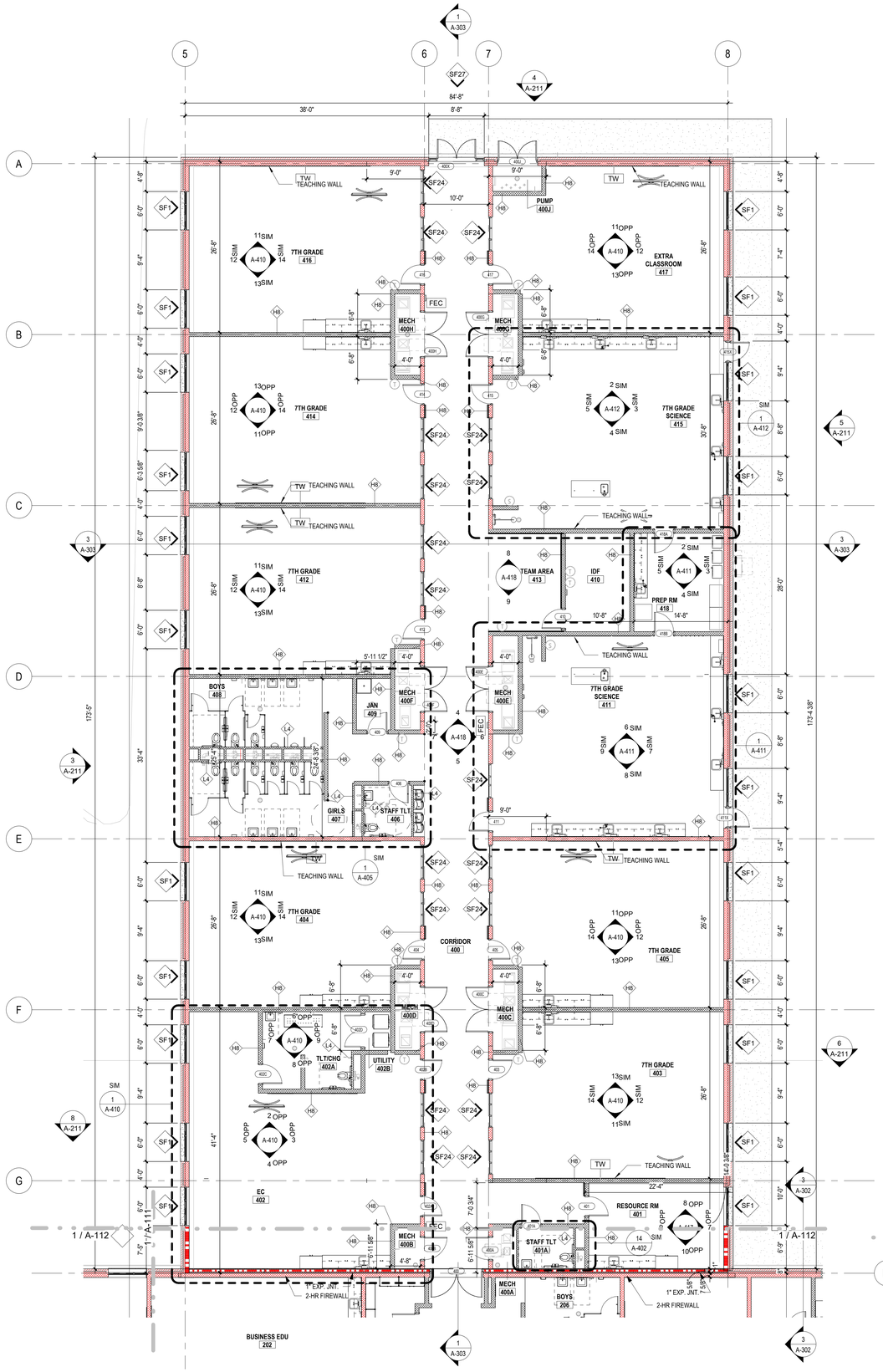
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FLOOR PLAN - AREA 300

A-113

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1 A-114 **FLOOR PLAN-AREA 400**
SCALE: 1/8" = 1'-0"

## FLOOR PLAN LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| | 1 HR RATED (FIRE BARRIER) |
| | 2 HOUR RATED WALL |
| | RED HIGHLIGHTED WALLS - LOAD BEARING CORE. SEE STRUCTURAL. |
| TW | TEACHING WALL - SEE SHEET 401 |
| | BULLNOSE CMU CORNER - SEE DETAIL 14 & 15 A-511 |
| CJ | CONTROL JOINT - SEE DETAIL A-010 |
| FD | FLOOR DRAIN - SEE PLUMBING DRAWINGS |
| W2 | STOREFRONT (CURTAIN WALL) TAG - SEE SHEET A-611 AND FLOOR PLANS |
| | WINDOW TAG - SEE SHEET A-611 AND FLOOR PLANS |
| 100 | DOOR TAG - SEE SHEET A-601 AND FLOOR PLANS |

## GENERAL NOTES:

1. SEE SHEET A-101 FOR OVERALL PLAN AND DIMENSIONS
2. SEE SHEET A-010 FOR UL DESIGNS AND PARTITION TYPES.
3. SEE G-003 FOR UL DETAILS.
4. SEE G-111 FOR LIFE SAFETY FLOOR PLAN

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# EB Frink Middle School
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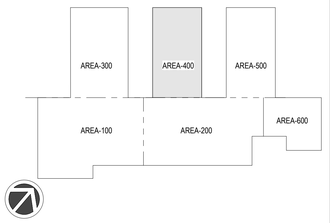
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FLOOR PLAN - AREA 400

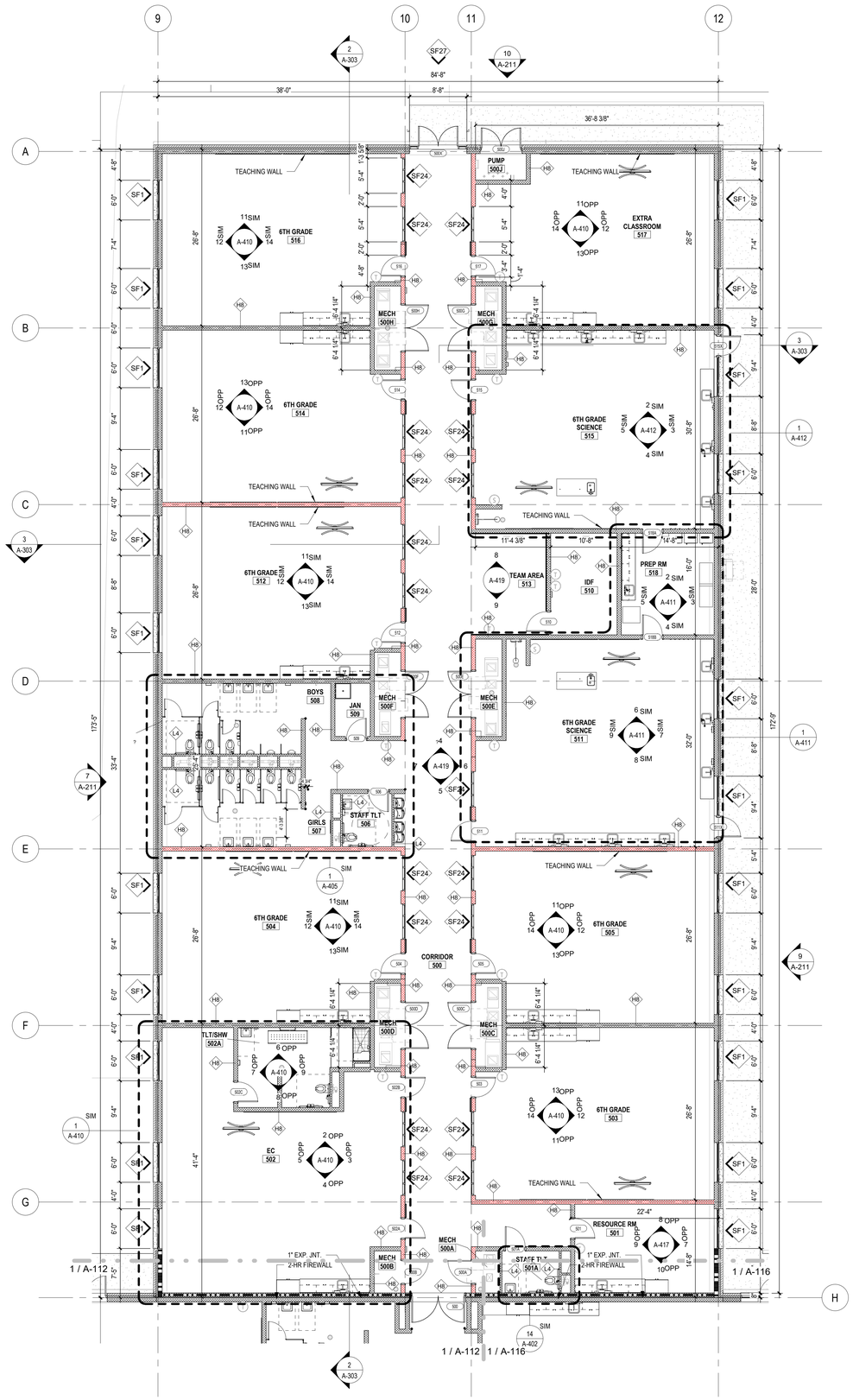



KEY PLAN 400

A-114

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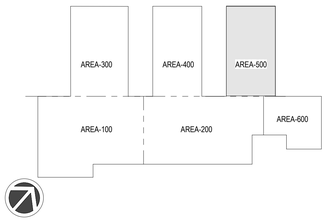



## FLOOR PLAN LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| | 1 HR RATED (FIRE BARRIER) |
| | 2 HOUR RATED WALL |
| | RED HIGHLIGHTED WALLS - LOAD BEARING CORE. SEE STRUCTURAL. |
| TW | TEACHING WALL - SEE SHEET 401 |
| | BULLNOSE CMU CORNER - SEE DETAIL 14 & 15 A-511 |
| CJ | CONTROL JOINT - SEE DETAIL A-010 |
| FD | FLOOR DRAIN - SEE PLUMBING DRAWINGS |
| W2 | STOREFRONT (CURTAIN WALL) TAG - SEE SHEET A-611 AND FLOOR PLANS |
| | WINDOW TAG - SEE SHEET A-611 AND FLOOR PLANS |
| 100 | DOOR TAG - SEE SHEET A-601 AND FLOOR PLANS |

## GENERAL NOTES:

1. SEE SHEET A-101 FOR OVERALL PLAN AND DIMENSIONS
2. SEE SHEET A-010 FOR UL DESIGNS AND PARTITION TYPES.
3. SEE G-003 FOR UL DETAILS.
4. SEE G-111 FOR LIFE SAFETY FLOOR PLAN




KEY PLAN 500

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RALEIGH

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50676
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FAYETTEVILLE, NC

Construction Documents

Lenoir County
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FLOOR PLAN - AREA 500

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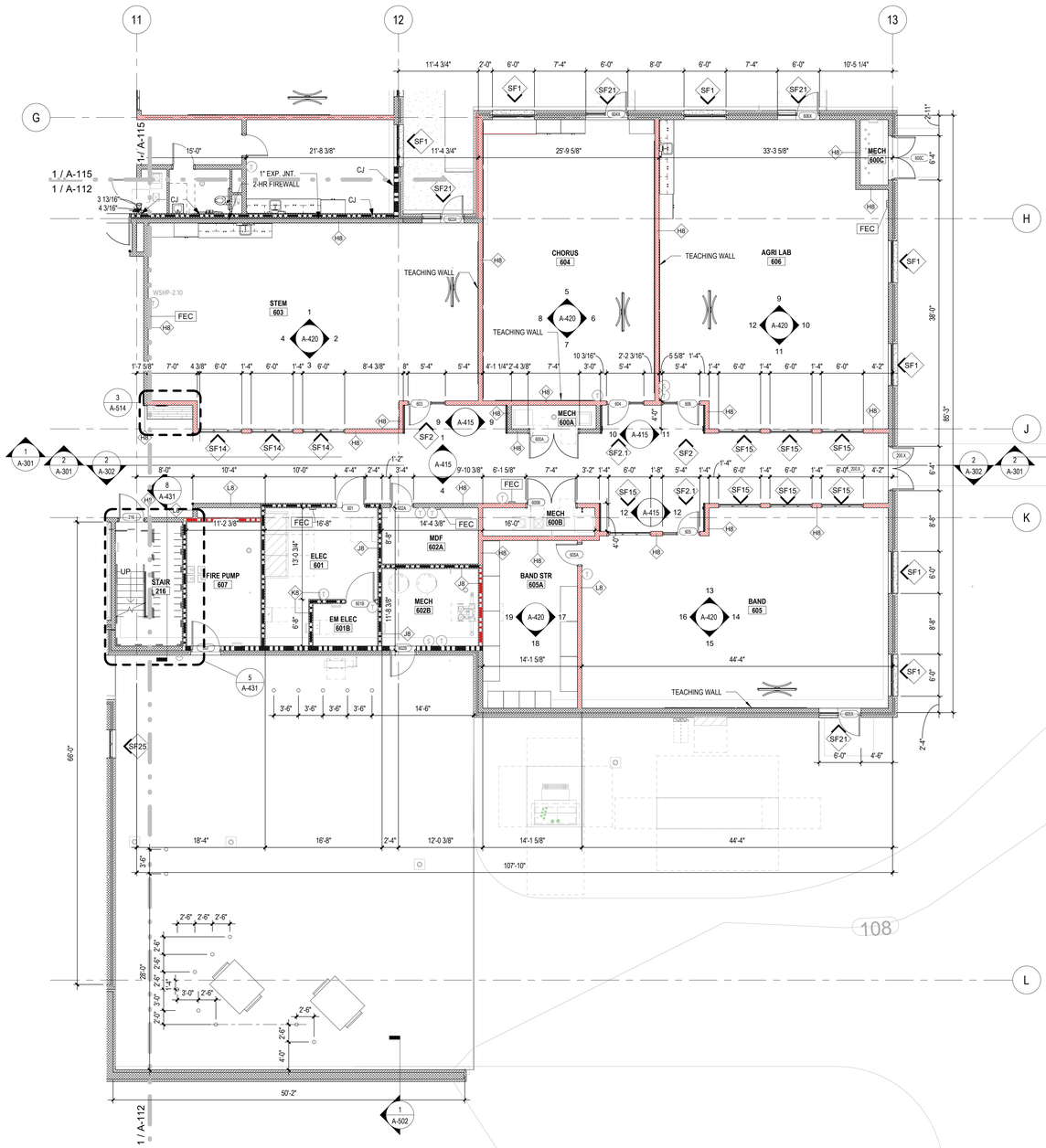
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## FLOOR PLAN LEGEND

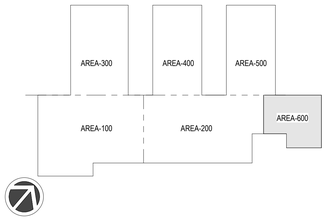
| SYMBOL | DESCRIPTION |
|---|---|
| | 1 HR RATED (FIRE BARRIER) |
| | 2 HOUR RATED WALL |
| | RED HIGHLIGHTED WALLS - LOAD BEARING CORE. SEE STRUCTURAL. |
| TW | TEACHING WALL - SEE SHEET 401 |
| | BULLNOSE CMU CORNER - SEE DETAIL 14 & 15 A-511 |
| CJ | CONTROL JOINT - SEE DETAIL A-010 |
| FD | FLOOR DRAIN - SEE PLUMBING DRAWINGS |
| W2 | STOREFRONT (CURTAIN WALL) TAG - SEE SHEET A-611 AND FLOOR PLANS |
| | WINDOW TAG - SEE SHEET A-611 AND FLOOR PLANS |
| 100 | DOOR TAG - SEE SHEET A-601 AND FLOOR PLANS |

## GENERAL NOTES:

1. SEE SHEET A-101 FOR OVERALL PLAN AND DIMENSIONS
2. SEE SHEET A-010 FOR UL DESIGNS AND PARTITION TYPES.
3. SEE G-003 FOR UL DETAILS.
4. SEE G-111 FOR LIFE SAFETY FLOOR PLAN




1 / A-116 **FLOOR PLAN-AREA 600**
SCALE: 1/8" = 1'-0"




KEY PLAN 600

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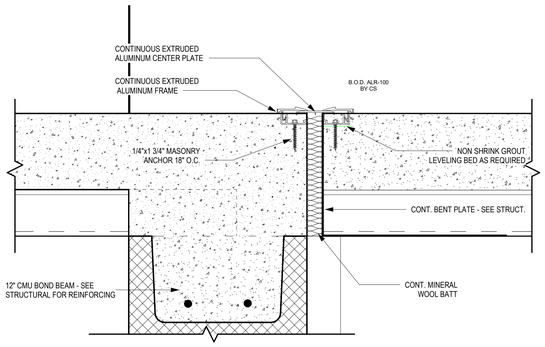
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FLOOR PLAN - AREA 600

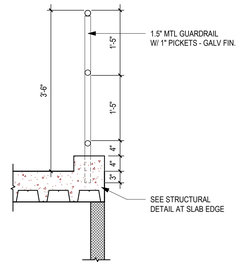
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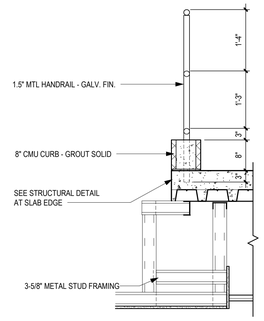
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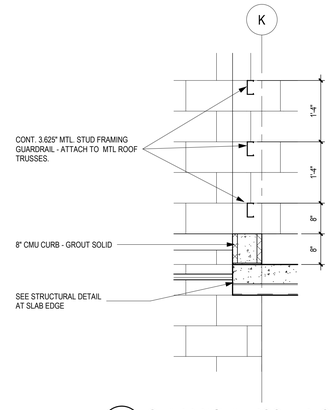

5 A-117 **EXP. JOINT AT MECH PLATFORM**
SCALE: 3" = 1'-0"



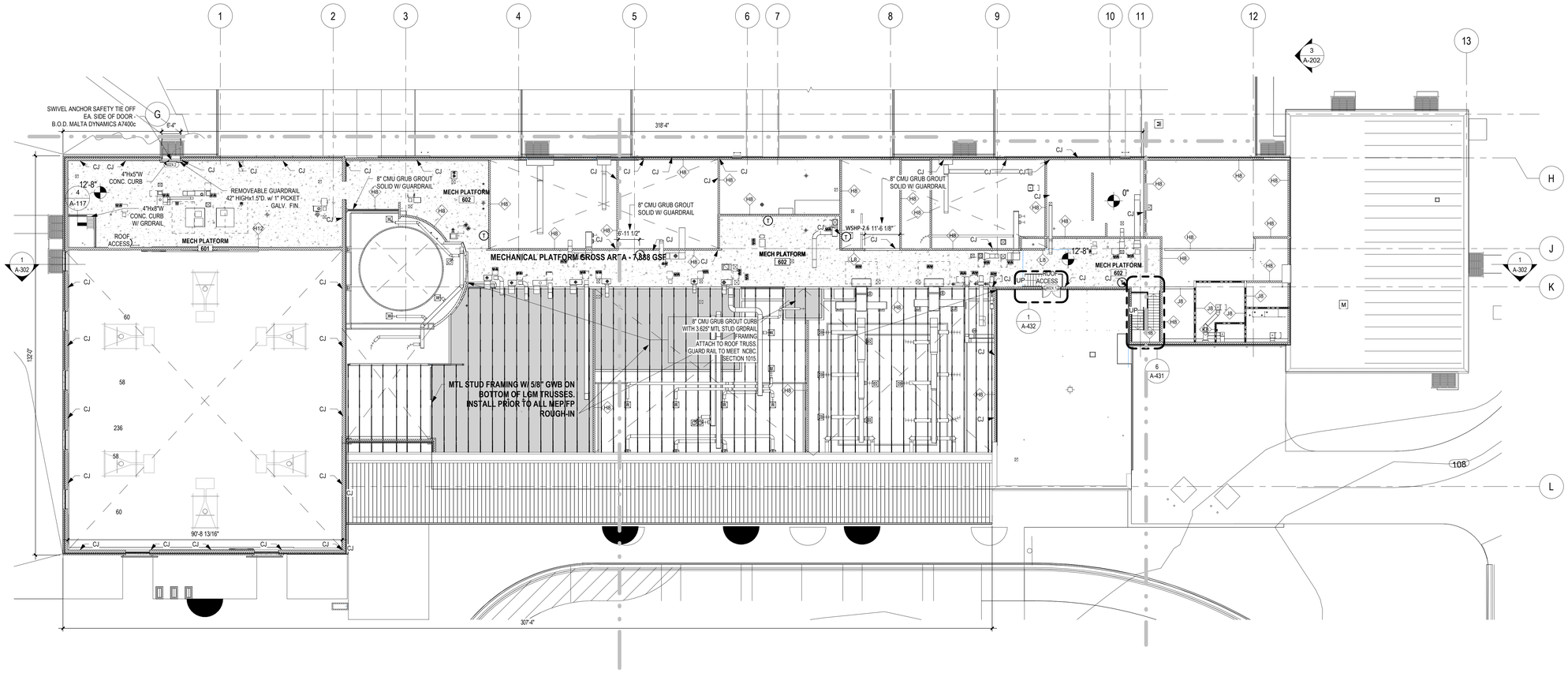

4 A-117 **GUARDRAIL AT 4" CONC. CURB**
SCALE: 3/4" = 1'-0"




3 A-117 **GUARDRAIL AT 8" CMU CURB**
SCALE: 3/4" = 1'-0"




2 A-117 **GUARDRAIL AT ROOF TRUSS**
SCALE: 3/4" = 1'-0"




1 A-117 **MECHANICAL PLATFORM**
SCALE: 1/16" = 1'-0"

## FLOOR PLAN LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| | 1 HR RATED (FIRE BARRIER) |
| | 2 HOUR RATED WALL |
| | RED HIGHLIGHTED WALLS - LOAD BEARING CORE. SEE STRUCTURAL. |
| TW | TEACHING WALL - SEE SHEET 401 |
| | BULLNOSE CMU CORNER - SEE DETAIL 14 & 15 A-511 |
| CJ | CONTROL JOINT - SEE DETAIL A-010 |
| FD | FLOOR DRAIN - SEE PLUMBING DRAWINGS |
| W2 | STOREFRONT (CURTAIN WALL) TAG - SEE SHEET A-611 AND FLOOR PLANS |
| | WINDOW TAG - SEE SHEET A-611 AND FLOOR PLANS |
| 100 | DOOR TAG - SEE SHEET A-601 AND FLOOR PLANS |

## GENERAL NOTES:

1. SEE SHEET A-101 FOR OVERALL PLAN AND DIMENSIONS
2. SEE SHEET A-010 FOR UL DESIGNS AND PARTITION TYPES.
3. SEE G-003 FOR UL DETAILS.
4. SEE G-111 FOR LIFE SAFETY FLOOR PLAN

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FLOOR PLAN - MECHANICAL PLATFORM

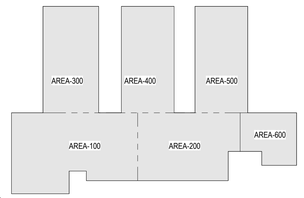
A-117

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1 A-120 **OVERALL RCP**
SCALE: 1/16" = 1'-0"




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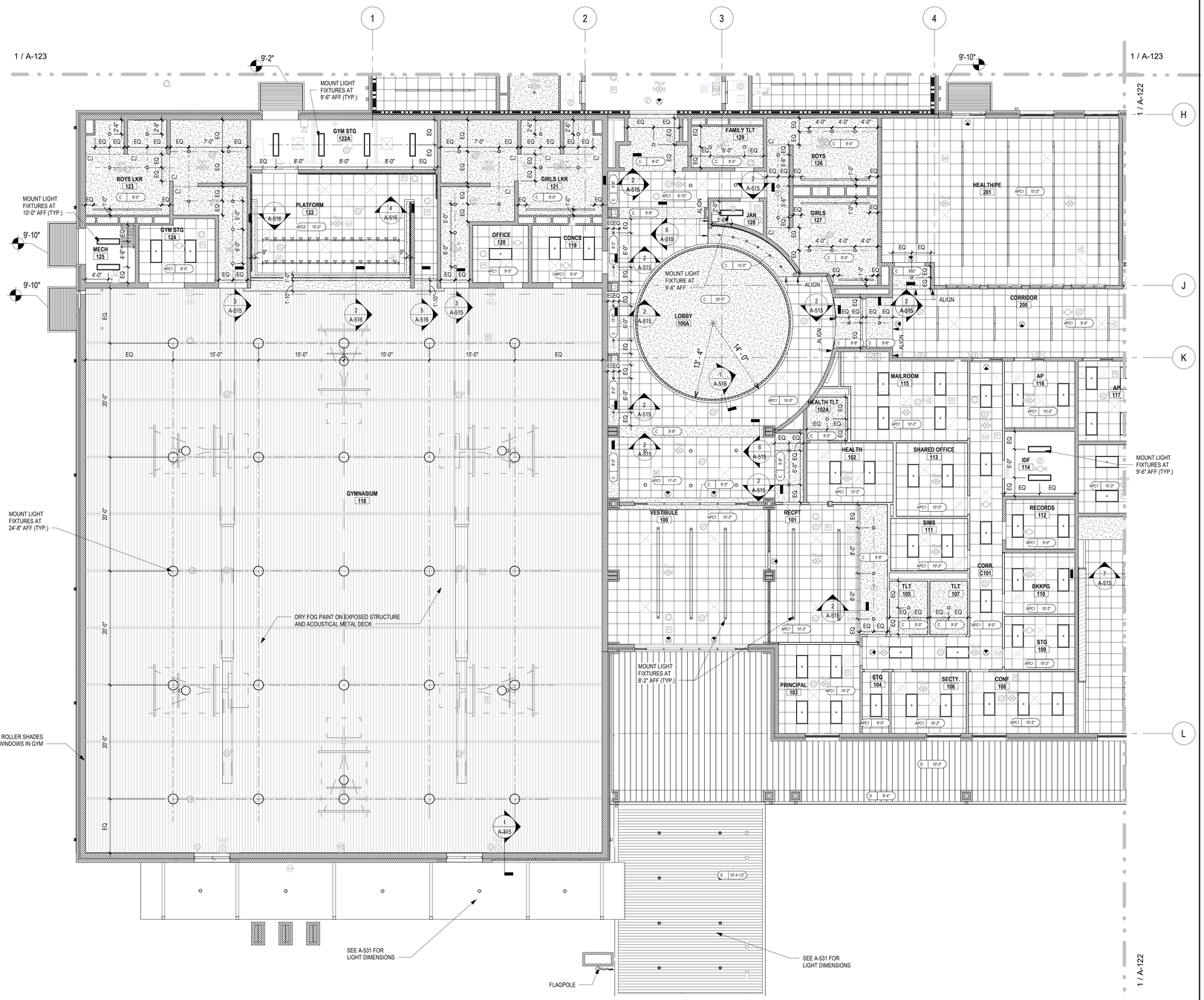
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OVERALL RCP

A-120

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1 / A-121 **RCP - AREA 100**
SCALE: 1/8" = 1'-0"

## REFLECTED CEILING PLAN LEGEND

CEILING TYPE — A — 8' - 0" — CEILING HEIGHT

| SYMBOL | DESCRIPTION |
|---|---|
| | 2' x 2' ACOUSTICAL PANELS CEILINGS |
| | APC1 - TYPICAL PANELS |
| | APC2 - BLACK PANELS |
| | APC3 - HIGH NRC PANELS |
| | VACP1 - IMPERVIOUS PANELS |
| | GYPSUM WALL BOARD CEILING |
| | TYPE "C": TYPICAL CEILING SYSTEM, PAINTED |
| | (METAL STUD FRAMING OR SUSPENDED DRYWALL SYSTEM) |
| | TYPE "D": FLUSH METAL CEILING SYSTEM, PAINTED |
| | TYPE "E": FLUSH METAL CEILING SYSTEM , BOD : PAC-CLAD - TAN TIMBER |
| | TYPE "W": WD2 SOLID LUMBER |
| | EXTERIOR EMERGENCY LIGHT |
| | LED EXIT SIGN |
| | EMERGENCY LIGHT |
| | DOWNLIGHT - SEE ELECTRICAL |
| | DECORATIVE PENDANT |
| | STRAIGHT NARROW FIXTURE |
| | |
| | 2X2 LAY-IN LED |
| | DECORATIVE DRUM SURFACE MOUNTED |
| | DECORATIVE DRUM PENDANT |
| | |
| | DIFFUSER - SEE MECHANICAL DWG |
| | RETURN - SEE MECHANICAL DWG |
| | DIFFUSER GRILLE - SEE MECHANICAL DWG |
| | EXHAUST - SEE MECHANICAL DWG |
| SD | SMOKE DETECTOR (SHALL BE 3' - 0" MIN FROM ANY AIR SUPPLY/RETURN) - SEE ELECTRICAL |
| HD | HEAT DETECTOR (SHALL BE 3' - 0" MIN FROM ANY AIR SUPPLY/RETURN) - SEE ELECTRICAL |
| S | ADA COMPLIANT FIRE ALARM STROBE LIGHT - SEE ELECTRICAL |
| F | ADA COMPLIANT FIRE ALARM STROBE LIGHT - SEE ELECTRICAL |
| W | DATA OUTLET (WIRELESS ROUTER LOCATION IS ABOVE CEILING) - SEE ELECTRICAL |
| OC | OCCUPANCY SENSOR - SEE ELECTRICAL |
| | POWER AND DATA - SEE ELECTRICAL |
| | |

## RCP GENERAL NOTES:

1. REFER TO ELECTRICAL SHEETS FOR LIGHT FIXTURE TYPES AND ADDITIONAL INFORMATION
2. COORDINATE LOCATION OF ACCESS PANELS WITH PLUMBING CONTRACTOR
3. ALL EXPOSED STRUCTURE, PIPING, DUCT WORK, ELECTRICAL DEVICES, ETC. IN AREAS INDICATED AS EXPOSED STRUCTURE TO BE PAINTED.
4. LIGHTS IN MECHANICAL CLOSETS TO BE INSTALLED IN COORDINATION WITH MECHANICAL CONTRACTOR. VERIFY ALL LOCATIONS AND MOUNTING HEIGHTS.




KEY PLAN 100

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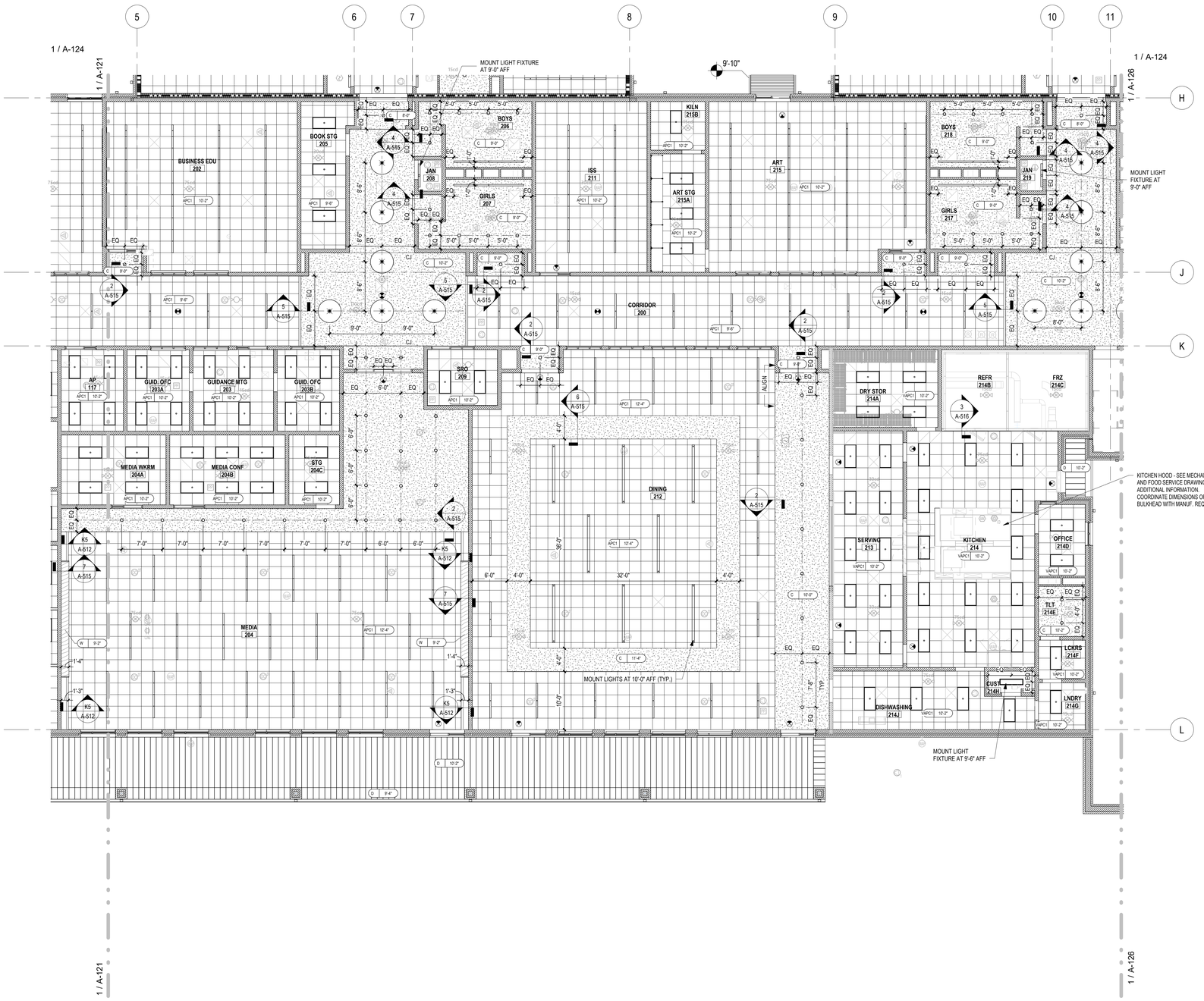
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RCP - AREA 100

A-121

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1 A-122 **RCP - AREA 200**
SCALE: 1/8" = 1'-0"

## REFLECTED CEILING PLAN LEGEND

CEILING TYPE — A — 8' - 0" — CEILING HEIGHT

| SYMBOL | DESCRIPTION |
|---|---|
| | 2' x 2' ACOUSTICAL PANELS CEILINGS |
| | APC1 - TYPICAL PANELS |
| | APC2 - BLACK PANELS |
| | APC3 - HIGH NRC PANELS |
| | VACP1 - IMPERVIOUS PANELS |
| | GYPSUM WALL BOARD CEILING |
| | TYPE "C": TYPICAL CEILING SYSTEM, PAINTED |
| | (METAL STUD FRAMING OR SUSPENDED DRYWALL SYSTEM) |
| | TYPE "D": FLUSH METAL CEILING SYSTEM, PAINTED |
| | TYPE "E": FLUSH METAL CEILING SYSTEM , BOD : PAC-CLAD - TAN TIMBER |
| | TYPE "W": WD2 SOLID LUMBER |
| | EXTERIOR EMERGENCY LIGHT |
| | LED EXIT SIGN |
| | EMERGENCY LIGHT |
| | DOWNLIGHT - SEE ELECTRICAL |
| | DECORATIVE PENDANT |
| | STRAIGHT NARROW FIXTURE |
| | |
| | 2X2 LAY-IN LED |
| | DECORATIVE DRUM SURFACE MOUNTED |
| | DECORATIVE DRUM PENDANT |
| | |
| | DIFFUSER - SEE MECHANICAL DWG |
| | RETURN - SEE MECHANICAL DWG |
| | DIFFUSER GRILLE - SEE MECHANICAL DWG |
| | EXHAUST - SEE MECHANICAL DWG |
| SD | SMOKE DETECTOR (SHALL BE 3' - 0" MIN FROM ANY AIR SUPPLY/RETURN) - SEE ELECTRICAL |
| HD | HEAT DETECTOR (SHALL BE 3' - 0" MIN FROM ANY AIR SUPPLY/RETURN) - SEE ELECTRICAL |
| S | ADA COMPLIANT FIRE ALARM STROBE LIGHT - SEE ELECTRICAL |
| F | ADA COMPLIANT FIRE ALARM STROBE LIGHT - SEE ELECTRICAL |
| W | DATA OUTLET (WIRELESS ROUTER LOCATION IS ABOVE CEILING) - SEE ELECTRICAL |
| OC | OCCUPANCY SENSOR - SEE ELECTRICAL |
| D | POWER AND DATA - SEE ELECTRICAL |
| | |

## RCP GENERAL NOTES:

1. REFER TO ELECTRICAL SHEETS FOR LIGHT FIXTURE TYPES AND ADDITIONAL INFORMATION
2. COORDINATE LOCATION OF ACCESS PANELS WITH PLUMBING CONTRACTOR
3. ALL EXPOSED STRUCTURE, PIPING, DUCT WORK, ELECTRICAL DEVICES, ETC. IN AREAS INDICATED AS EXPOSED STRUCTURE TO BE PAINTED.
4. LIGHTS IN MECHANICAL CLOSETS TO BE INSTALLED IN COORDINATION WITH MECHANICAL CONTRACTOR. VERIFY ALL LOCATIONS AND MOUNTING HEIGHTS.

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NORTH CAROLINA
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FAYETTEVILLE, NC

Construction Documents

Lenoir County
**EB Frink Middle School**
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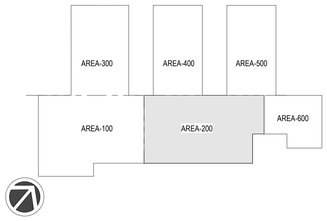
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RCP - AREA 200

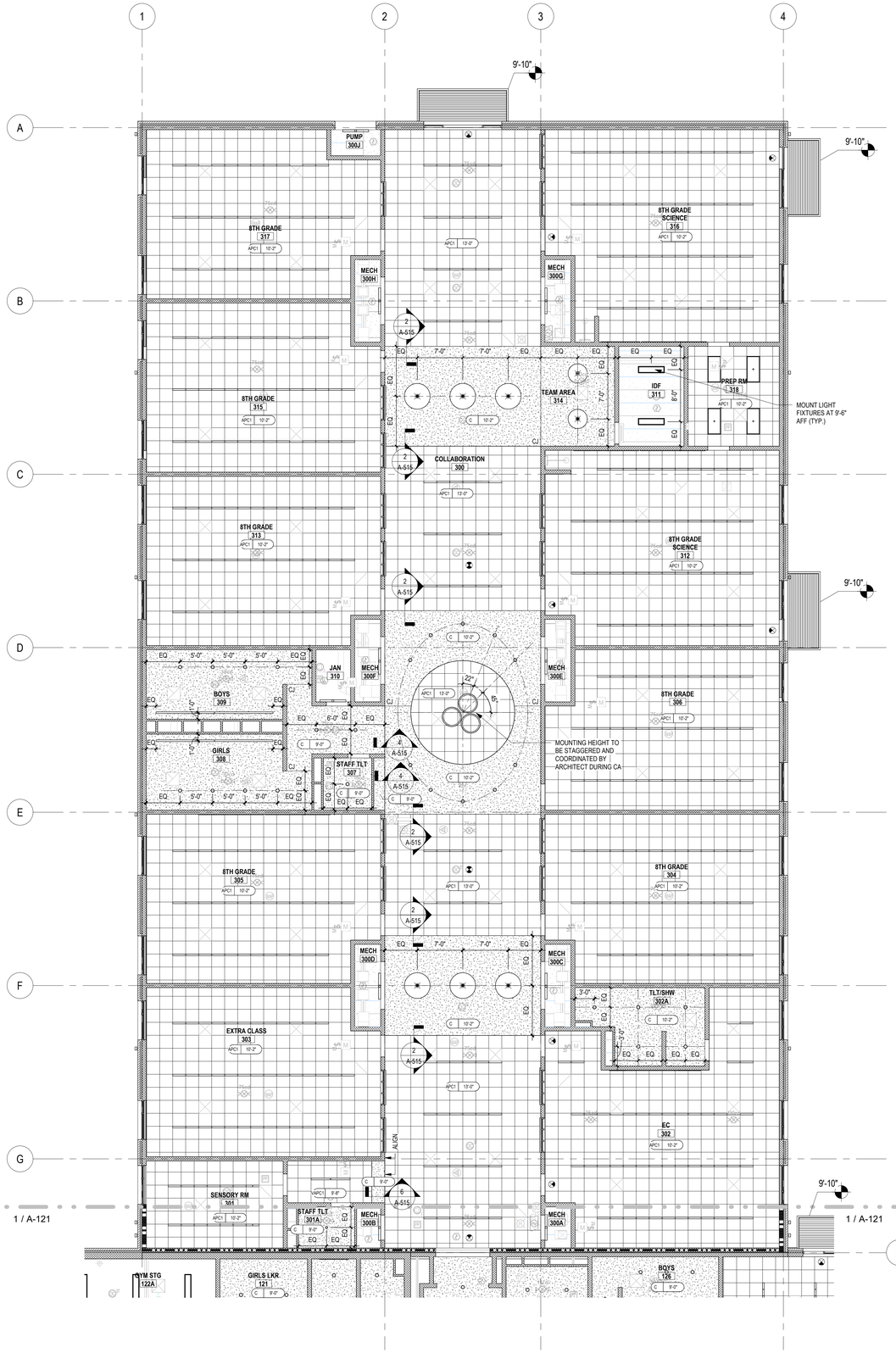



KEY PLAN 200

A-122

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1 A-123 **RCP - AREA 300**
SCALE: 1/8" = 1'-0"

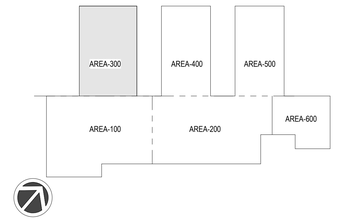
## REFLECTED CEILING PLAN LEGEND

CEILING TYPE — A | 8' - 0" — CEILING HEIGHT

| SYMBOL | DESCRIPTION |
|---|---|
| | 2' x 2' ACOUSTICAL PANELS CEILINGS |
| | APC1 - TYPICAL PANELS |
| | APC2 - BLACK PANELS |
| | APC3 - HIGH NRC PANELS |
| | VACP1 - IMPERVIOUS PANELS |
| | GYPSUM WALL BOARD CEILING |
| | TYPE "C": TYPICAL CEILING SYSTEM, PAINTED |
| | (METAL STUD FRAMING OR SUSPENDED DRYWALL SYSTEM) |
| | TYPE "D": FLUSH METAL CEILING SYSTEM, PAINTED |
| | TYPE "E": FLUSH METAL CEILING SYSTEM , BOD : PAC-CLAD - TAN TIMBER |
| | TYPE "W": WD2 SOLID LUMBER |
| | EXTERIOR EMERGENCY LIGHT |
| | LED EXIT SIGN |
| | EMERGENCY LIGHT |
| | DOWNLIGHT - SEE ELECTRICAL |
| | DECORATIVE PENDANT |
| | STRAIGHT NARROW FIXTURE |
| | |
| | 2X2 LAY-IN LED |
| | DECORATIVE DRUM SURFACE MOUNTED |
| | DECORATIVE DRUM PENDANT |
| | |
| | DIFFUSER - SEE MECHANICAL DWG |
| | RETURN - SEE MECHANICAL DWG |
| | DIFFUSER GRILLE - SEE MECHANICAL DWG |
| | EXHAUST - SEE MECHANICAL DWG |
| SD | SMOKE DETECTOR (SHALL BE 3' - 0" MIN FROM ANY AIR SUPPLY/RETURN) - SEE ELECTRICAL |
| HD | HEAT DETECTOR (SHALL BE 3' - 0" MIN FROM ANY AIR SUPPLY/RETURN) - SEE ELECTRICAL |
| S | ADA COMPLIANT FIRE ALARM STROBE LIGHT - SEE ELECTRICAL |
| FA | ADA COMPLIANT FIRE ALARM STROBE LIGHT - SEE ELECTRICAL |
| W | DATA OUTLET (WIRELESS ROUTER LOCATION IS ABOVE CEILING) - SEE ELECTRICAL |
| OC | OCCUPANCY SENSOR - SEE ELECTRICAL |
| D | POWER AND DATA - SEE ELECTRICAL |
| | |

## RCP GENERAL NOTES:

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2. COORDINATE LOCATION OF ACCESS PANELS WITH PLUMBING CONTRACTOR
3. ALL EXPOSED STRUCTURE, PIPING, DUCT WORK, ELECTRICAL DEVICES, ETC. IN AREAS INDICATED AS EXPOSED STRUCTURE TO BE PAINTED.
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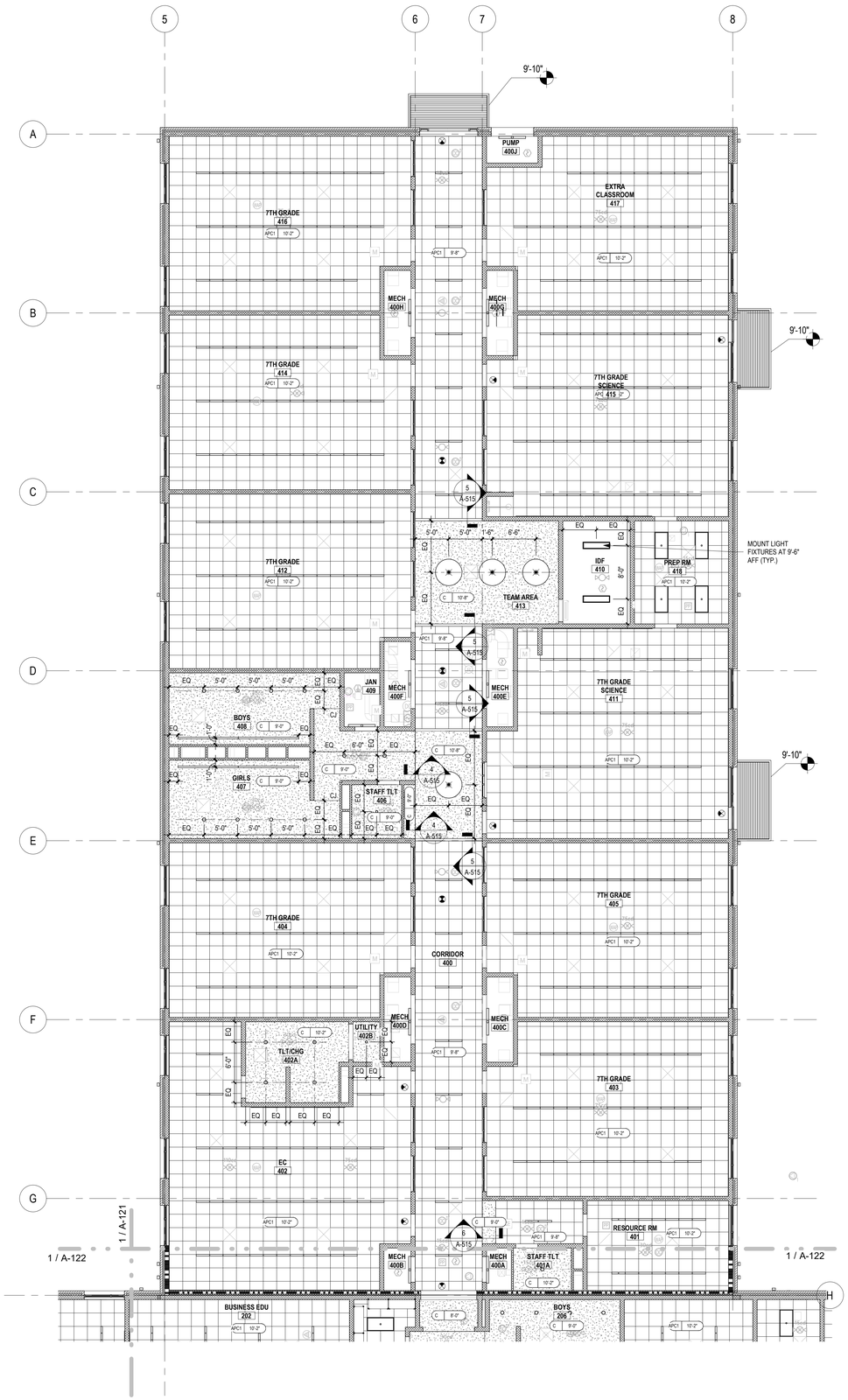
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RCP - AREA 300

A-123

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1 / A-124 **RCP - AREA 400**
SCALE: 1/8" = 1'-0"

## REFLECTED CEILING PLAN LEGEND

CEILING TYPE — A | 8' - 0" — CEILING HEIGHT

| SYMBOL | DESCRIPTION |
|---|---|
| | 2' x 2' ACOUSTICAL PANELS CEILINGS |
| | APC1 - TYPICAL PANELS |
| | APC2 - BLACK PANELS |
| | APC3 - HIGH NRC PANELS |
| | VACP1 - IMPERVIOUS PANELS |
| | GYPSUM WALL BOARD CEILING |
| | TYPE "C": TYPICAL CEILING SYSTEM, PAINTED |
| | (METAL STUD FRAMING OR SUSPENDED DRYWALL SYSTEM) |
| | TYPE "D": FLUSH METAL CEILING SYSTEM, PAINTED |
| | TYPE "E": FLUSH METAL CEILING SYSTEM , BOD : PAC-CLAD - TAN TIMBER |
| | TYPE "W": WD2 SOLID LUMBER |
| | EXTERIOR EMERGENCY LIGHT |
| | LED EXIT SIGN |
| | EMERGENCY LIGHT |
| | DOWNLIGHT - SEE ELECTRICAL |
| | DECORATIVE PENDANT |
| | STRAIGHT NARROW FIXTURE |
| | |
| | 2X2 LAY-IN LED |
| | DECORATIVE DRUM SURFACE MOUNTED |
| | DECORATIVE DRUM PENDANT |
| | |
| | DIFFUSER - SEE MECHANICAL DWG |
| | RETURN - SEE MECHANICAL DWG |
| | DIFFUSER GRILLE - SEE MECHANICAL DWG |
| | EXHAUST - SEE MECHANICAL DWG |
| SD | SMOKE DETECTOR (SHALL BE 3' - 0" MIN FROM ANY AIR SUPPLY/RETURN) - SEE ELECTRICAL |
| HD | HEAT DETECTOR (SHALL BE 3' - 0" MIN FROM ANY AIR SUPPLY/RETURN) - SEE ELECTRICAL |
| S | ADA COMPLIANT FIRE ALARM STROBE LIGHT - SEE ELECTRICAL |
| F | ADA COMPLIANT FIRE ALARM STROBE LIGHT - SEE ELECTRICAL |
| W | DATA OUTLET (WIRELESS ROUTER LOCATION IS ABOVE CEILING) - SEE ELECTRICAL |
| OC | OCCUPANCY SENSOR - SEE ELECTRICAL |
| P D | POWER AND DATA - SEE ELECTRICAL |
| | |

## RCP GENERAL NOTES:

1. REFER TO ELECTRICAL SHEETS FOR LIGHT FIXTURE TYPES AND ADDITIONAL INFORMATION
2. COORDINATE LOCATION OF ACCESS PANELS WITH PLUMBING CONTRACTOR
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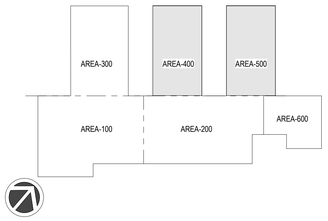
Lenoir County

# EB Frink Middle School

405 North Charles Street La Grange NC, 28551

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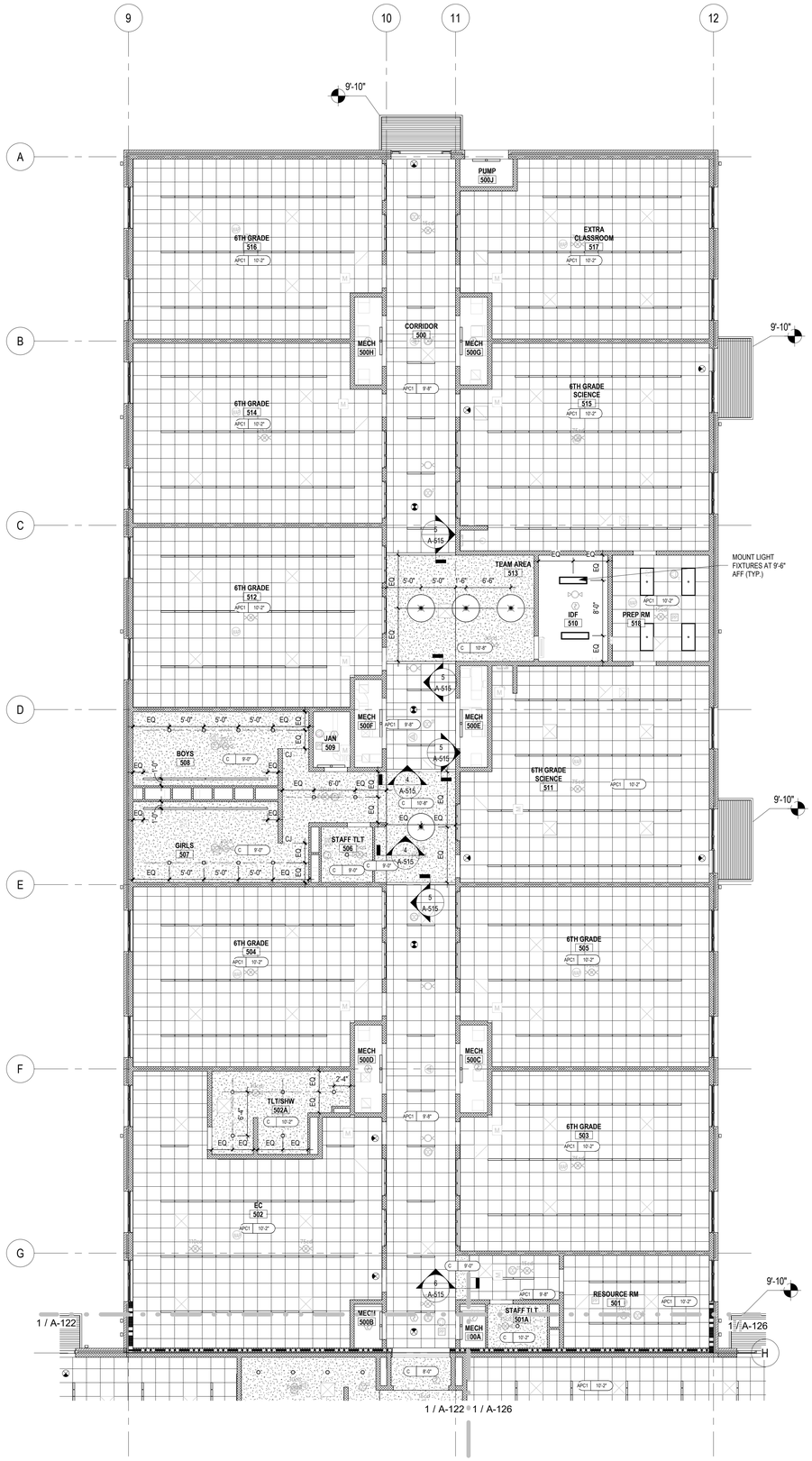
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RCP - AREA 400

A-124

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1 A-125 **RCP - AREA 500**
SCALE: 1/8" = 1'-0"

## REFLECTED CEILING PLAN LEGEND

CEILING TYPE — A | 8' - 0" — CEILING HEIGHT

| SYMBOL | DESCRIPTION |
|---|---|
| | 2' x 2' ACOUSTICAL PANELS CEILINGS |
| | APC1 - TYPICAL PANELS |
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| | TYPE "W": WD2 SOLID LUMBER |
| | EXTERIOR EMERGENCY LIGHT |
| | LED EXIT SIGN |
| | EMERGENCY LIGHT |
| | DOWNLIGHT - SEE ELECTRICAL |
| | DECORATIVE PENDANT |
| | STRAIGHT NARROW FIXTURE |
| | |
| | 2X2 LAY-IN LED |
| | DECORATIVE DRUM SURFACE MOUNTED |
| | DECORATIVE DRUM PENDANT |
| | |
| | DIFFUSER - SEE MECHANICAL DWG |
| | RETURN - SEE MECHANICAL DWG |
| | DIFFUSER GRILLE - SEE MECHANICAL DWG |
| | EXHAUST - SEE MECHANICAL DWG |
| SD | SMOKE DETECTOR (SHALL BE 3' - 0" MIN FROM ANY AIR SUPPLY/RETURN) - SEE ELECTRICAL |
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| S | ADA COMPLIANT FIRE ALARM STROBE LIGHT - SEE ELECTRICAL |
| FS | ADA COMPLIANT FIRE ALARM STROBE LIGHT - SEE ELECTRICAL |
| W | DATA OUTLET (WIRELESS ROUTER LOCATION IS ABOVE CEILING) - SEE ELECTRICAL |
| OC | OCCUPANCY SENSOR - SEE ELECTRICAL |
| D | POWER AND DATA - SEE ELECTRICAL |
| | |

## RCP GENERAL NOTES:

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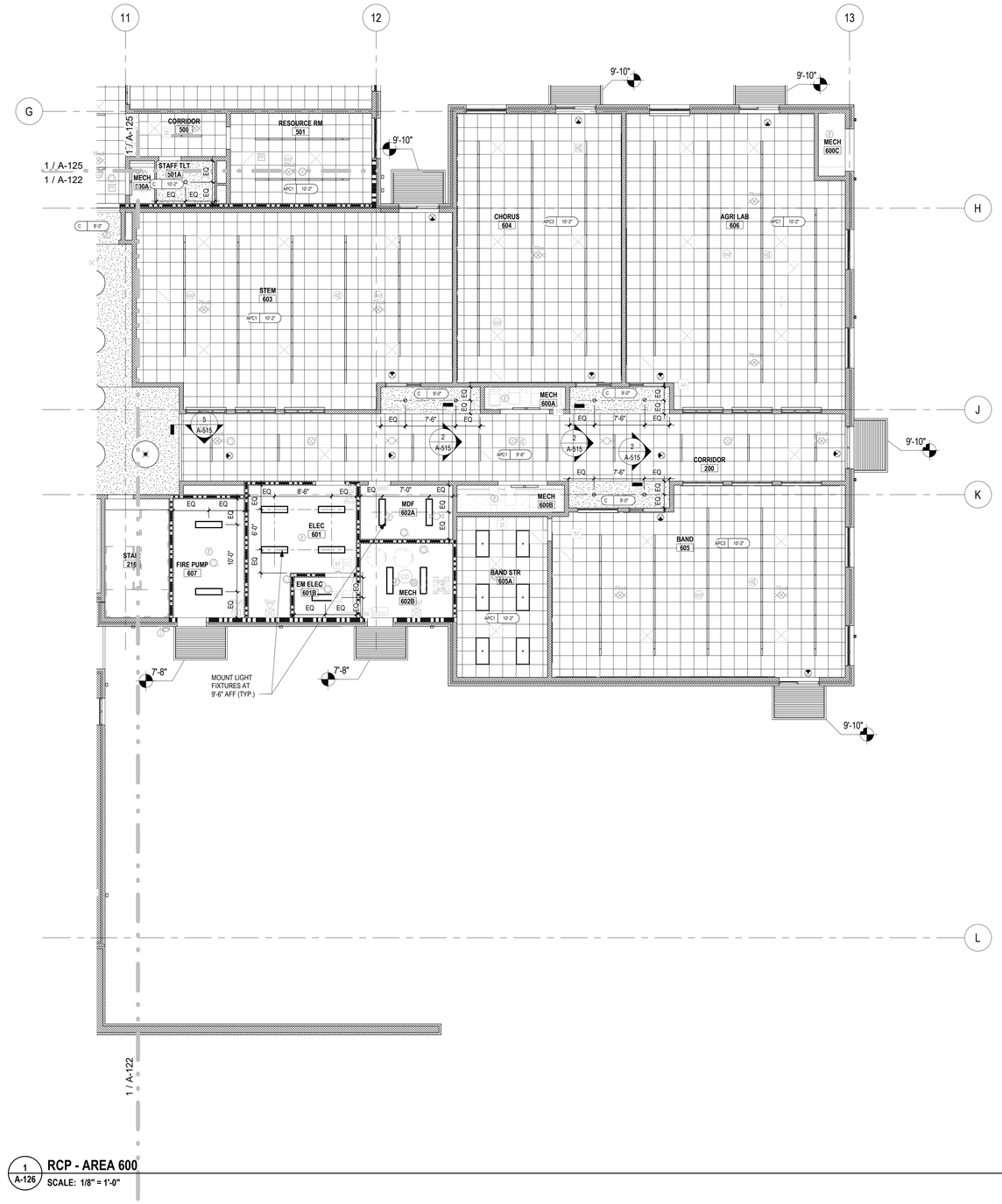
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RCP - AREA 500

A-125

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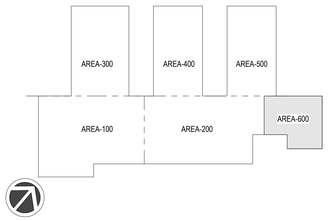

## REFLECTED CEILING PLAN LEGEND

CEILING TYPE — A — 8' - 0" — CEILING HEIGHT

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| | DOWNLIGHT - SEE ELECTRICAL |
| | DECORATIVE PENDANT |
| | STRAIGHT NARROW FIXTURE |
| | |
| | 2X2 LAY-IN LED |
| | DECORATIVE DRUM SURFACE MOUNTED |
| | DECORATIVE DRUM PENDANT |
| | |
| | DIFFUSER - SEE MECHANICAL DWG |
| | RETURN - SEE MECHANICAL DWG |
| | DIFFUSER GRILLE - SEE MECHANICAL DWG |
| | EXHAUST - SEE MECHANICAL DWG |
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## RCP GENERAL NOTES:

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KEY PLAN 600

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Lenoir County

# EB Frink Middle School

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RCP - AREA 600

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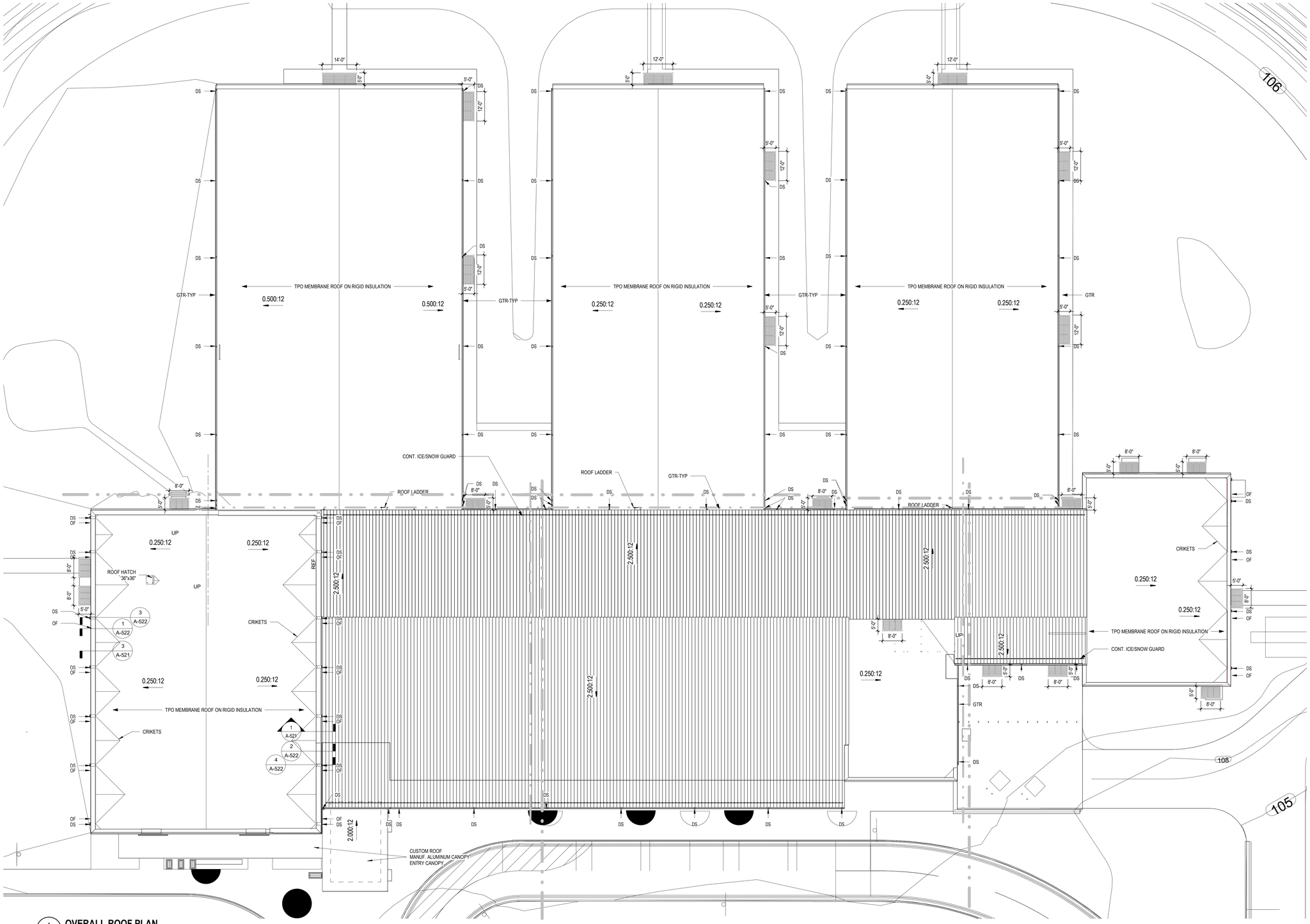
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## ROOF PLAN LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| DS | 4" x 6" DOWNSPOUT |
| GTR | CONTINUOUS 6" x 6" GUTTER |
| ○ | VENT PIPE ROOF PENETRATION - SEE SHEET A-521 |
| | |

## GENERAL NOTES:

1. SEE PLUMBING AND MECHANICAL DRAWINGS FOR ROOF MOUNTED EQUIPMENT AND ROOF PENETRATIONS.
2. SEE SHEET A-521 & A-522 FOR ROOF & CANOPY DETAILS.




1 A-130 **OVERALL ROOF PLAN**
SCALE: 1/16" = 1'-0"

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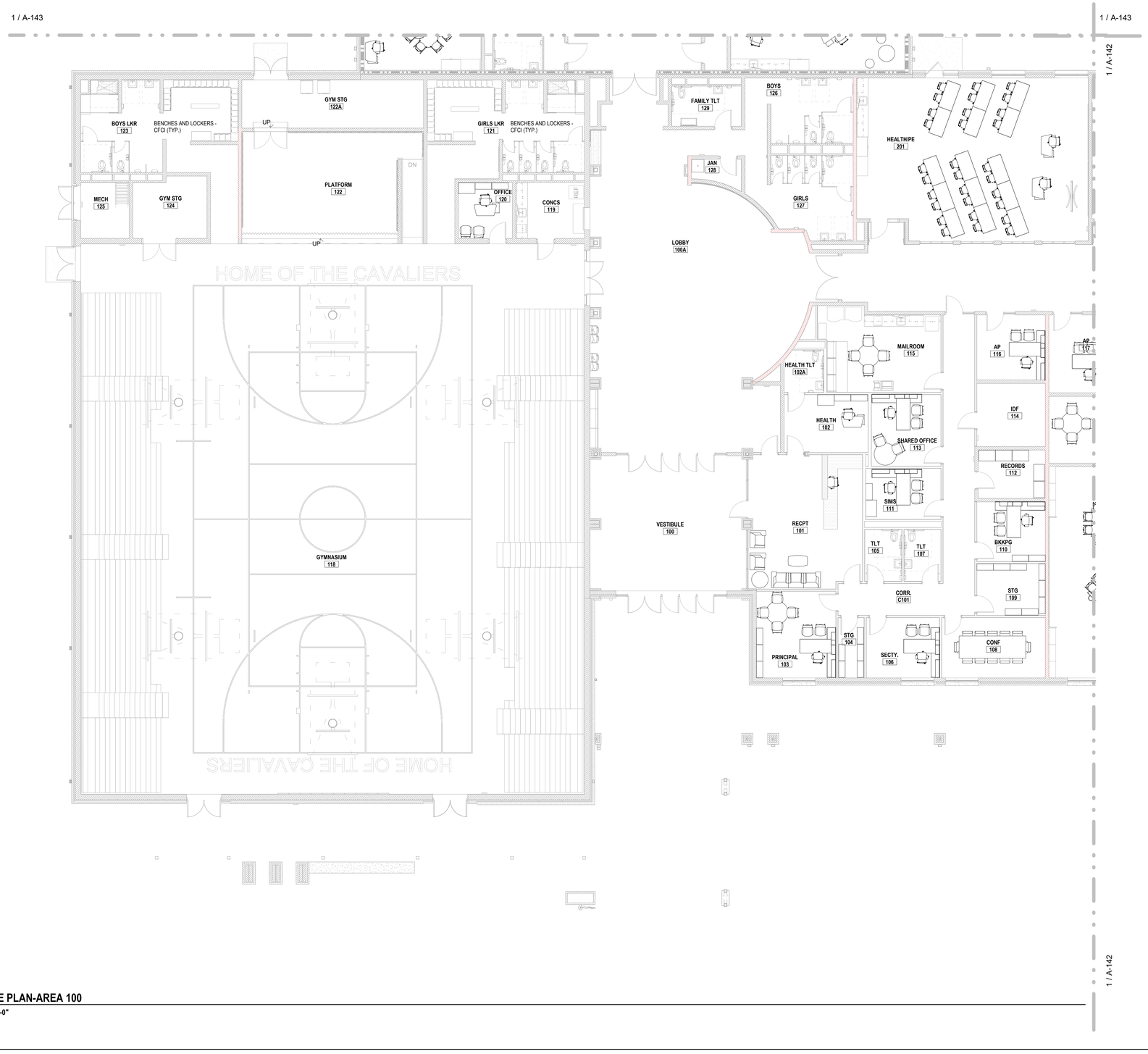
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OVERALL ROOF PLAN

A-130

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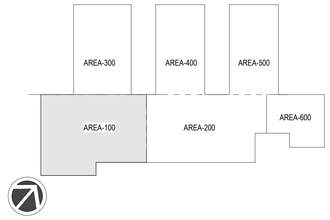

1 / A-141 **FURNITURE PLAN-AREA 100**
SCALE: 1/8" = 1'-0"

## FURNITURE PLAN LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| | 1 HR RATED (FIRE BARRIER) |
| | 2 HOUR RATED WALL |
| TW | TEACHING WALL - SEE SHEET 401 |
| | |
| | |
| | |
| | |

## GENERAL NOTES:

1. FURNITURE PLANS ARE PROVIDED FOR REFERENCE ONLY, REFER TO DRAWINGS PROVIDED BY FURNITURE DEALER FOR MORE INFORMATION.
2. GC TO PROVIDE BLOCKING AT ALL FULL HEIGHT CABINET OR WIRE SHELVING LOCATIONS.




KEY PLAN 100

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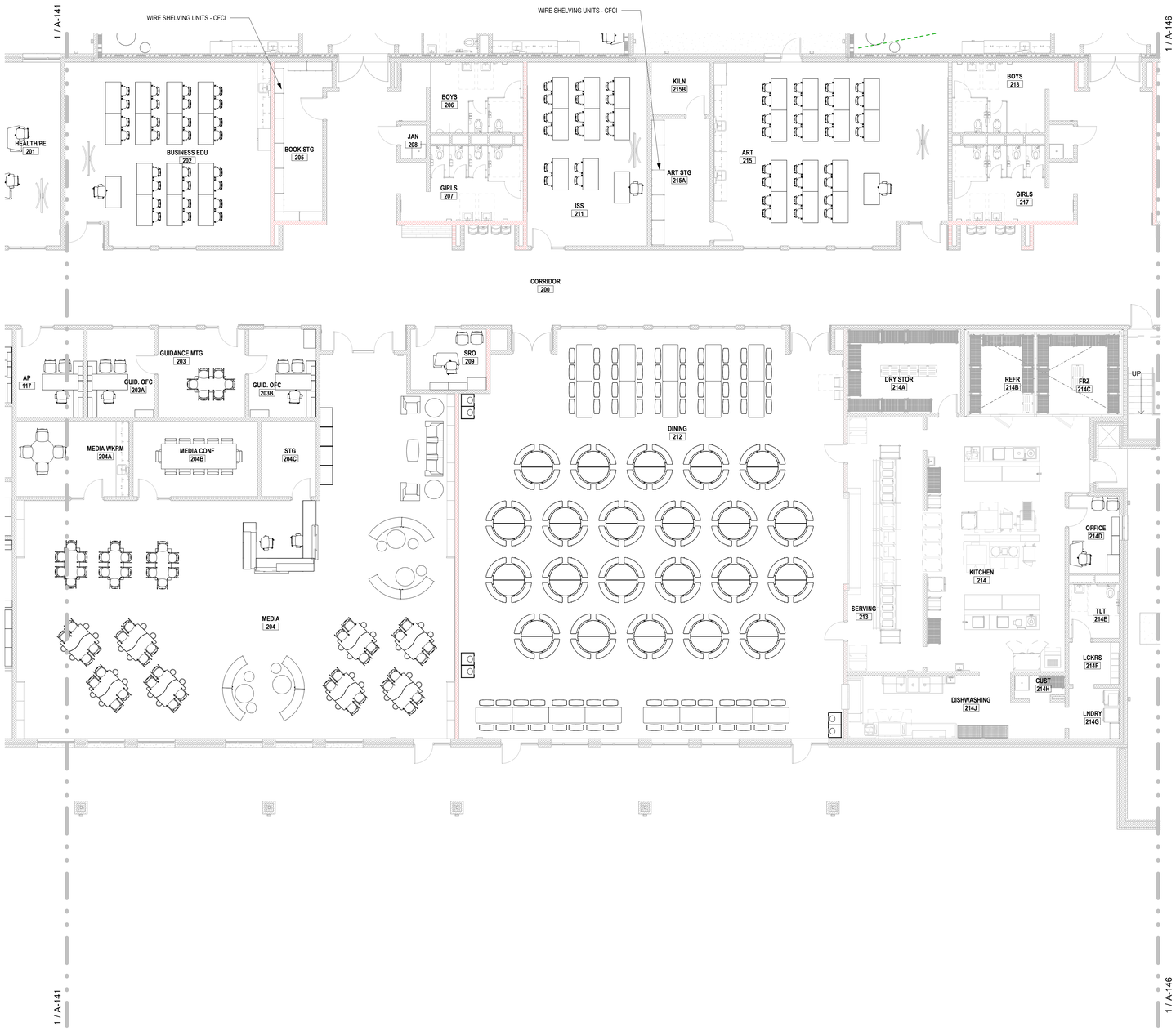
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FURNITURE PLAN - AREA 100

A-141

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1 / A-142 **FURNITURE PLAN-AREA 200**

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

## FURNITURE PLAN LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| | 1 HR RATED (FIRE BARRIER) |
| | 2 HOUR RATED WALL |
| TW | TEACHING WALL - SEE SHEET 401 |
| | |
| | |
| | |
| | |

## GENERAL NOTES:

1. FURNITURE PLANS ARE PROVIDED FOR REFERENCE ONLY, REFER TO DRAWINGS PROVIDED BY FURNITURE DEALER FOR MORE INFORMATION.
2. GC TO PROVIDE BLOCKING AT ALL FULL HEIGHT CABINET OR WIRE SHELVING LOCATIONS.




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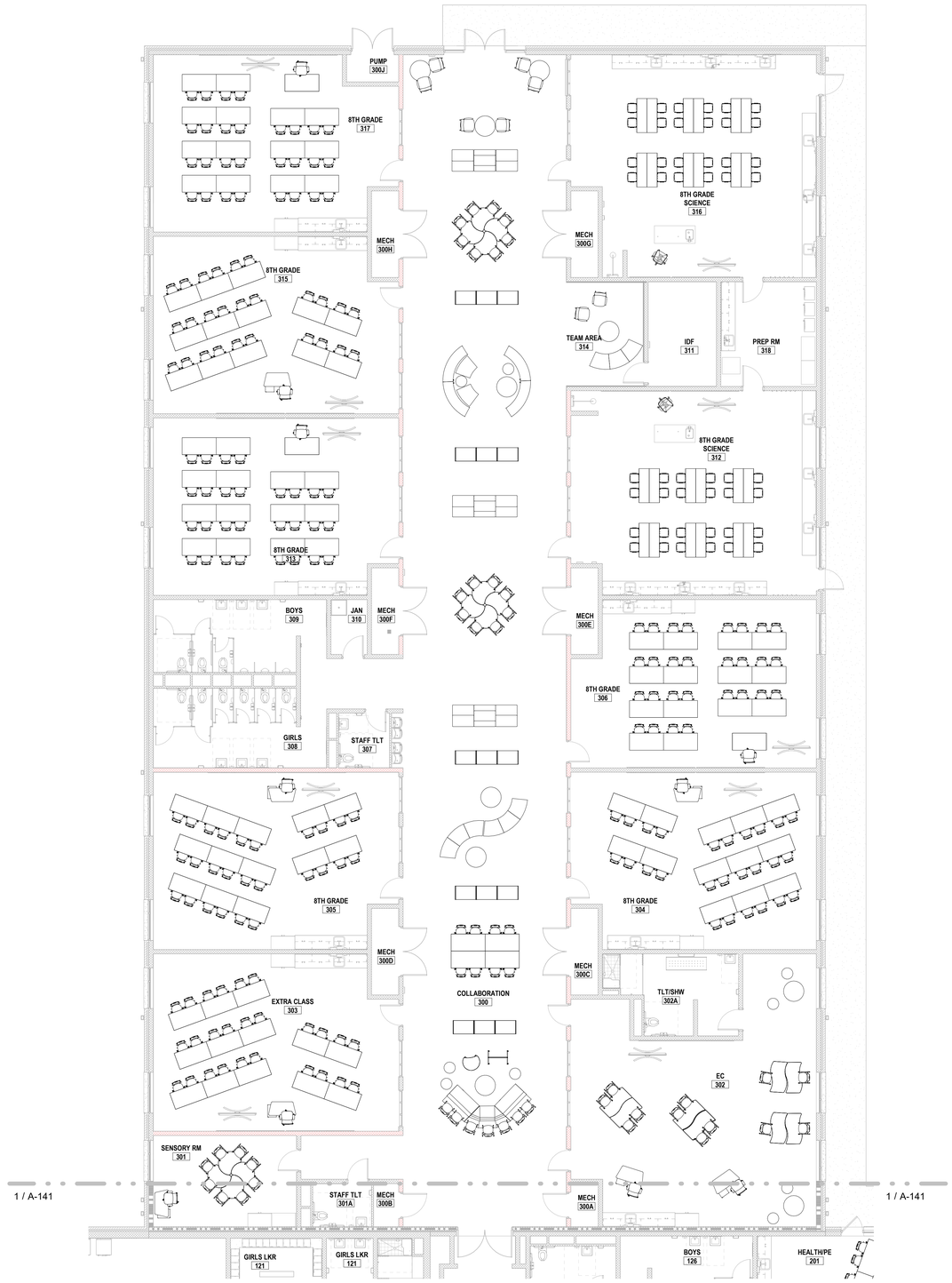
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FURNITURE PLAN - AREA 200

A-142

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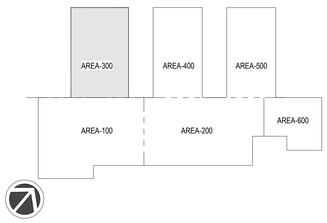

1 A-143 **FURNITURE PLAN-AREA 300**
SCALE: 1/8" = 1'-0"

## FURNITURE PLAN LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| | 1 HR RATED (FIRE BARRIER) |
| | 2 HOUR RATED WALL |
| TW | TEACHING WALL - SEE SHEET 401 |
| | |
| | |
| | |
| | |

## GENERAL NOTES:

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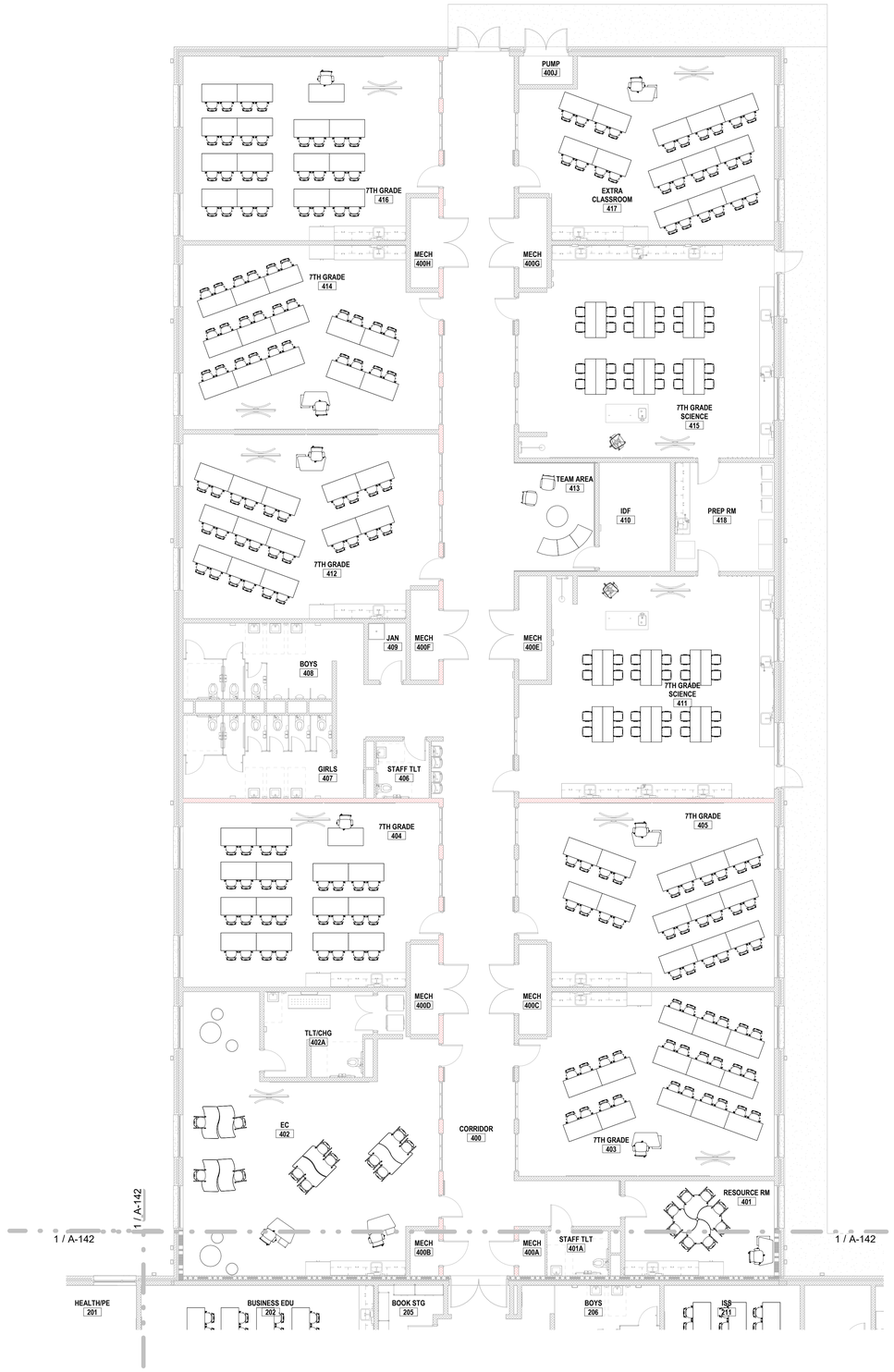
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FURNITURE PLAN - AREA 300

A-143

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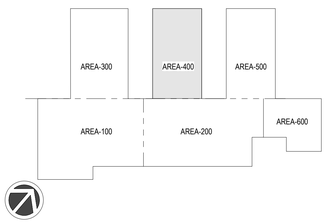

1 / A-144 **FURNITURE PLAN-AREA 400**
SCALE: 1/8" = 1'-0"

## FURNITURE PLAN LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| | 1 HR RATED (FIRE BARRIER) |
| | 2 HOUR RATED WALL |
| TW | TEACHING WALL - SEE SHEET 401 |
| | |
| | |
| | |
| | |

## GENERAL NOTES:

1. FURNITURE PLANS ARE PROVIDED FOR REFERENCE ONLY, REFER TO DRAWINGS PROVIDED BY FURNITURE DEALER FOR MORE INFORMATION.
2. GC TO PROVIDE BLOCKING AT ALL FULL HEIGHT CABINET OR WIRE SHELVING LOCATIONS.




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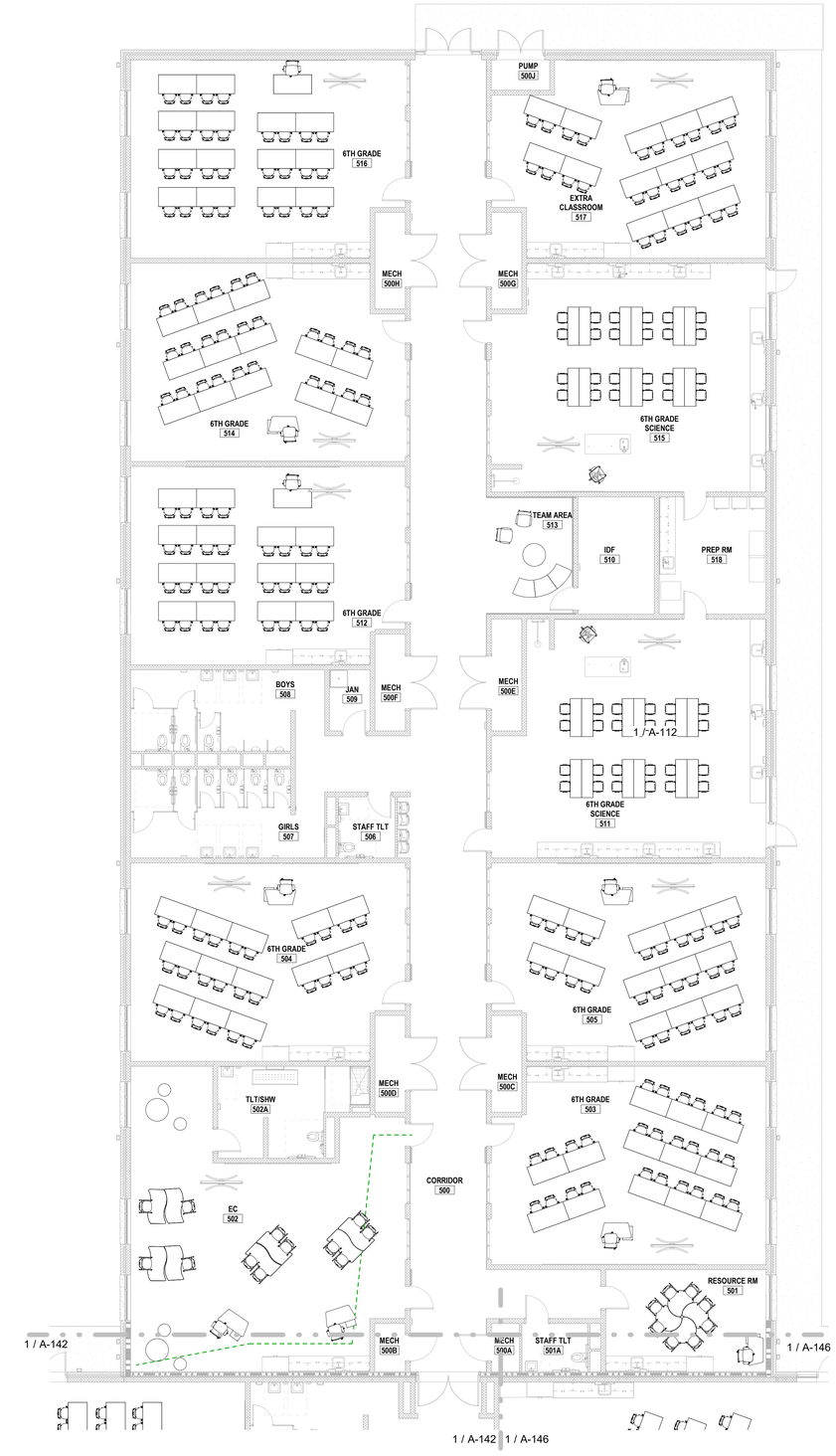
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FURNITURE PLAN - AREA 400

A-144

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1 / A-145 **FURNITURE PLAN-AREA 500**

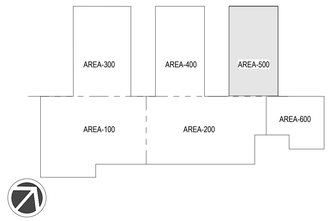
SCALE: 1/8" = 1'-0"

## FURNITURE PLAN LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| | 1 HR RATED (FIRE BARRIER) |
| | 2 HOUR RATED WALL |
| TW | TEACHING WALL - SEE SHEET 401 |
| | |
| | |
| | |
| | |

## GENERAL NOTES:

1. FURNITURE PLANS ARE PROVIDED FOR REFERENCE ONLY, REFER TO DRAWINGS PROVIDED BY FURNITURE DEALER FOR MORE INFORMATION.
2. GC TO PROVIDE BLOCKING AT ALL FULL HEIGHT CABINET OR WIRE SHELVING LOCATIONS.




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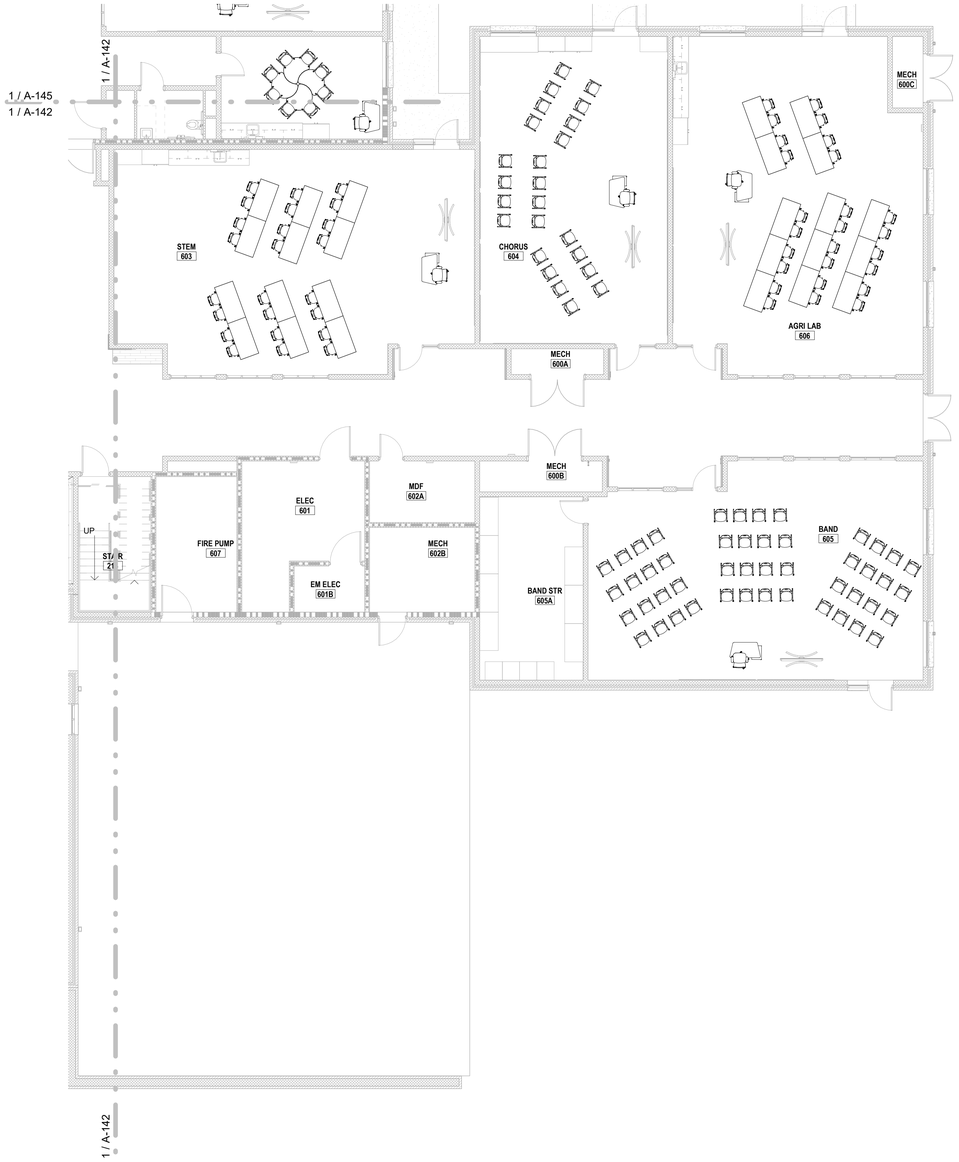
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FURNITURE PLAN - AREA 500

A-145

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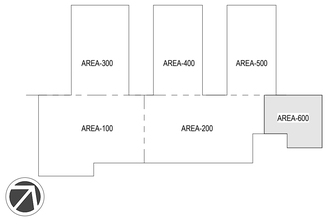

1 A-146 **FURNITURE PLAN-AREA 600**
SCALE: 1/8" = 1'-0"

## FURNITURE PLAN LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| | 1 HR RATED (FIRE BARRIER) |
| | 2 HOUR RATED WALL |
| TW | TEACHING WALL - SEE SHEET 401 |
| | |
| | |
| | |
| | |

## GENERAL NOTES:

1. FURNITURE PLANS ARE PROVIDED FOR REFERENCE ONLY, REFER TO DRAWINGS PROVIDED BY FURNITURE DEALER FOR MORE INFORMATION.
2. GC TO PROVIDE BLOCKING AT ALL FULL HEIGHT CABINET OR WIRE SHELVING LOCATIONS.




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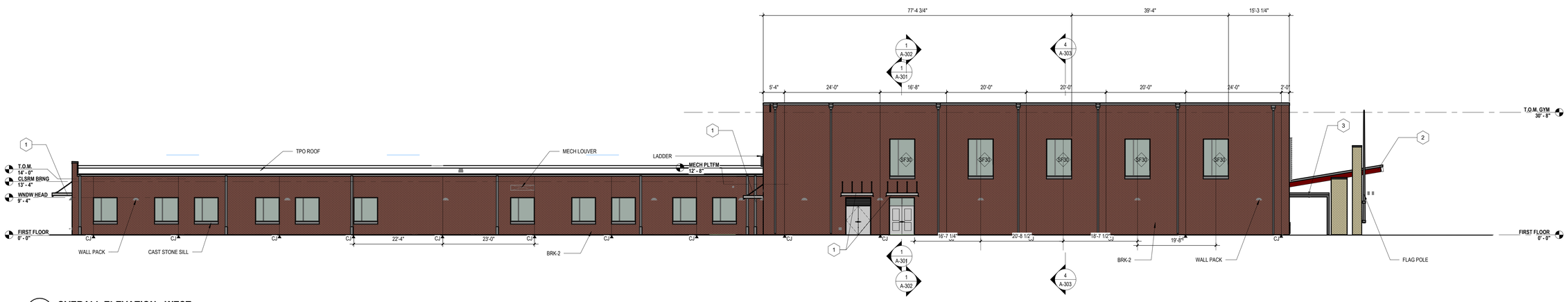
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FURNITURE PLAN - AREA 600

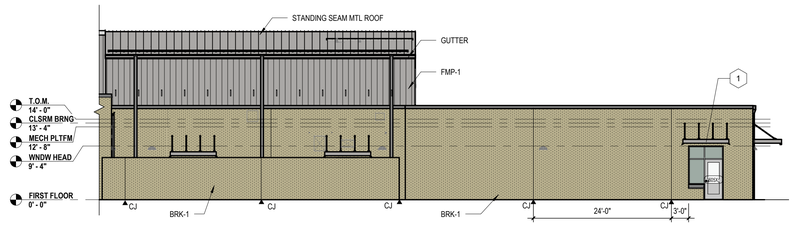
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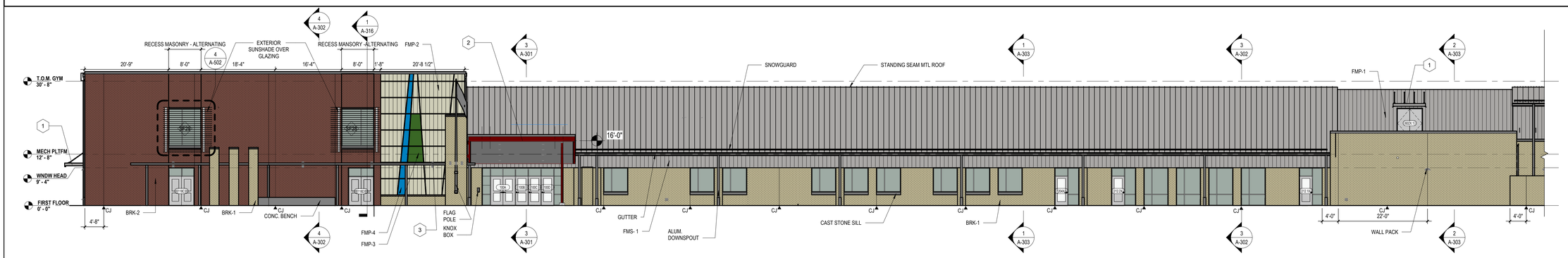
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**3 A-201 OVERALL ELEVATION - WEST**
SCALE: 3/32" = 1'-0"




**2 A-201 OVERALL ELEVATION - SOUTH CONT'D**
SCALE: 3/32" = 1'-0"




**1 A-201 OVERALL ELEVATION - SOUTH**
SCALE: 3/32" = 1'-0"

## EXTERIOR BUILDING MATERIAL LEGEND

| | | | |
|---|---|---|---|
| | BRK-1<br>MTR-1 | IVORYSTONE<br>#122 LINEN (TO MATCH BRK-1) | PALMETTO CUSTOM |
| | BRK-2<br>MTR-2 | RED WIRECUT<br>#5 NUTMEG (TO MATCH BRK-2) | PALMETTO CUSTOM |
| | FMP-1 | WALL PANEL - ARCHITECT TO SELECT FROM FULL COLOR LINE | MORIN |
| | FMP-2 | WALL PANEL - ARCHITECT TO SELECT FROM FULL COLOR LINE | MORIN |
| | FMP-3 | WALL PANEL - ARCHITECT TO SELECT **CUSTOM COLOR** | MORIN |
| | FMP-4 | WALL PANEL - ARCHITECT TO SELECT **CUSTOM COLOR** | MORIN |
| | FMS-1 | FLUSH METAL SOFFIT- COLOR TO MATCH ROOF | |

## ELEVATION KEY NOTES

1. WALL MOUNTED MANUFACTURED ALUMINUM CANOPY
2. CUSTOM CURVED MANUFACTURED ALUMINUM ENTRY CANOPY
3. CUSTOM CURVED MANUFACTURED ALUMINUM BUS CANOPY

ALL WALL PACK LIGHTS TO BE MOUNTED AT WINDOW HEAD HEIGHT, 9'-4"

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SEAL 7610
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FAYETTEVILLE, NORTH CAROLINA

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Lenoir County

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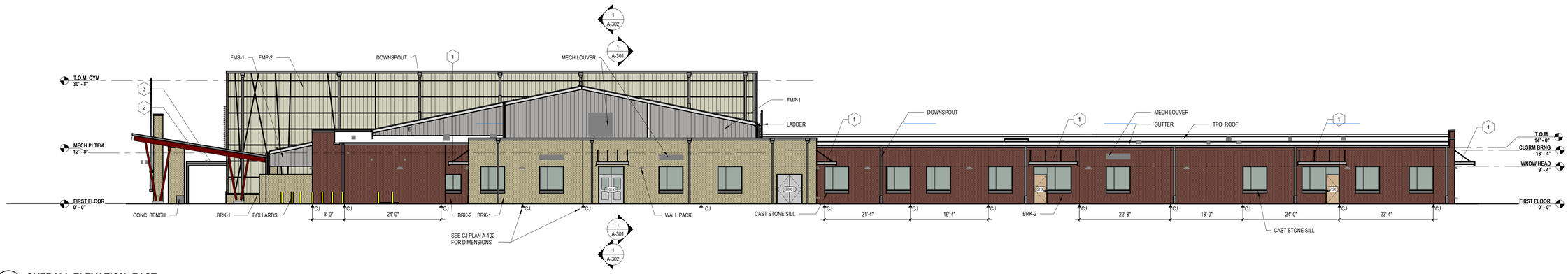
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OVERALL EXTERIOR ELEVATIONS

A-201

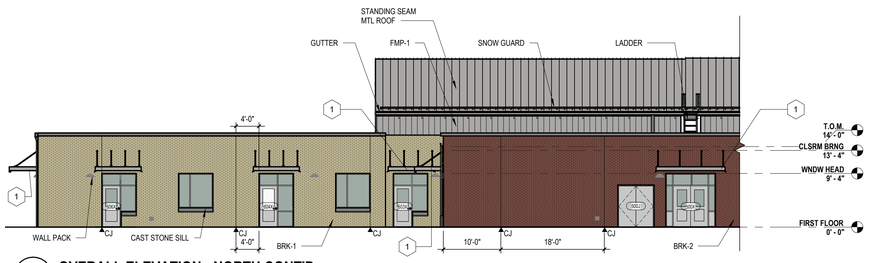
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3 A-202 **OVERALL ELEVATION -EAST**

**SCALE: 3/32" = 1'-0"**




2 A-202 **OVERALL ELEVATION - NORTH CONT'D**

**SCALE: 3/32" = 1'-0"**




1 A-202 **OVERALL ELEVATION - NORTH**

**SCALE: 3/32" = 1'-0"**

## EXTERIOR BUILDING MATERIAL LEGEND

| | | | |
|---|---|---|---|
| | **BRK-1**<br>**MTR-1** | IVORYSTONE<br>#122 LINEN (TO MATCH BRK-1) | PALMETTO<br>CUSTOM |
| | **BRK-2**<br>**MTR-2** | RED WIRECUT<br>#5 NUTMEG (TO MATCH BRK-2) | PALMETTO<br>CUSTOM |
| | **FMP-1** | WALL PANEL - ARCHITECT TO SELECT FROM FULL COLOR LINE | MORIN |
| | **FMP-2** | WALL PANEL - ARCHITECT TO SELECT FROM FULL COLOR LINE | MORIN |
| | **FMP-3** | WALL PANEL - ARCHITECT TO SELECT **CUSTOM COLOR** | MORIN |
| | **FMP-4** | WALL PANEL - ARCHITECT TO SELECT **CUSTOM COLOR** | MORIN |
| | **FMS-1** | FLUSH METAL SOFFIT- COLOR TO MATCH ROOF | |

## ELEVATION KEY NOTES

1. WALL MOUNTED MANUFACTURED ALUMINUM CANOPY
2. CUSTOM CURVED MANUFACTURED ALUMINUM ENTRY CANOPY
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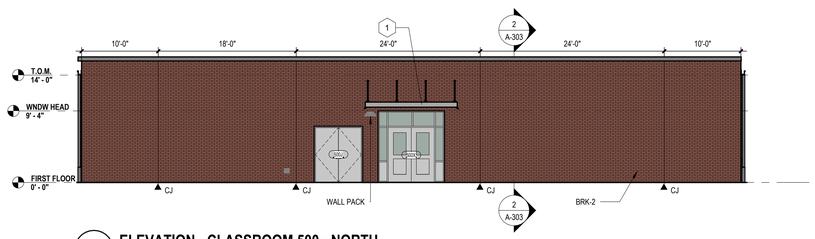
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OVERALL EXTERIOR ELEVATIONS

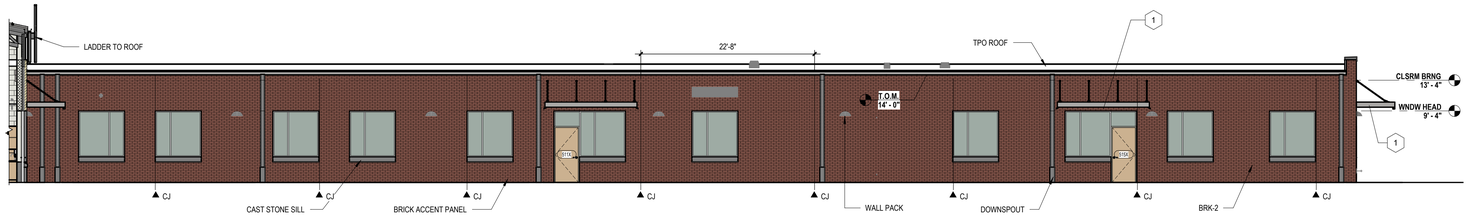
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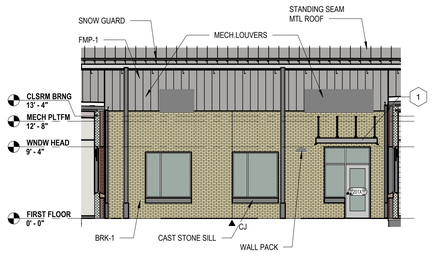
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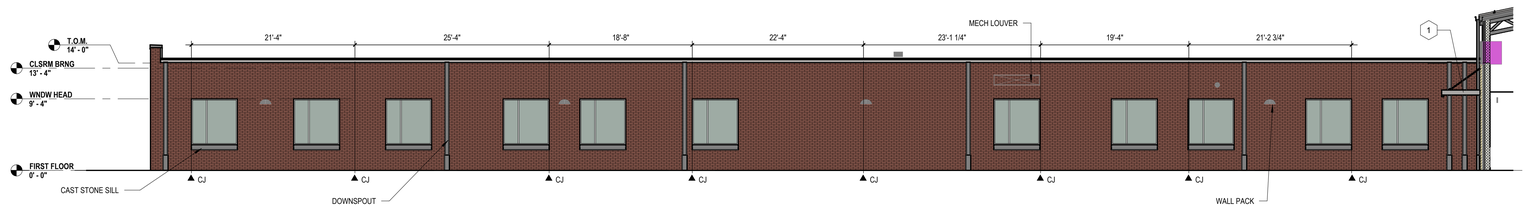

10 A-211 **ELEVATION - CLASSROOM 500 - NORTH**
SCALE: 1/8" = 1'-0"



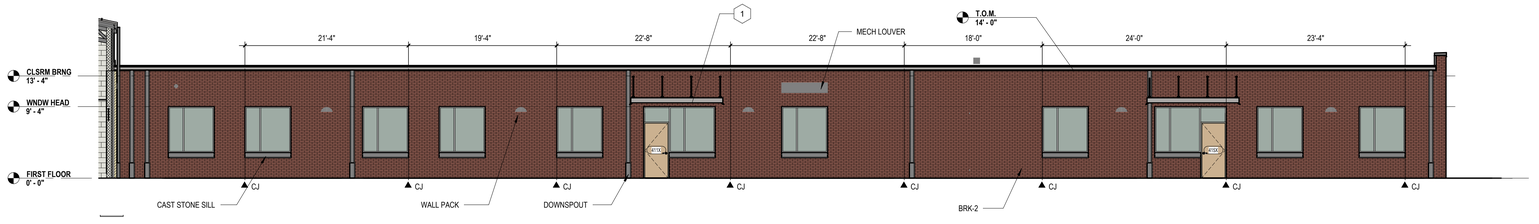

9 A-211 **ELEVATION - CLASSROOM 500 - EAST**
SCALE: 1/8" = 1'-0"



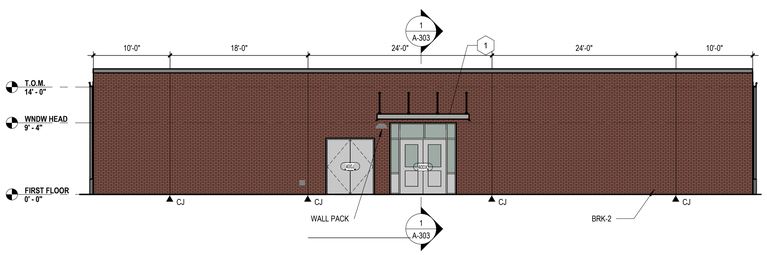

8 A-211 **ELEVATION - CLASSROOM 300/400 - NORTH**
SCALE: 1/8" = 1'-0"



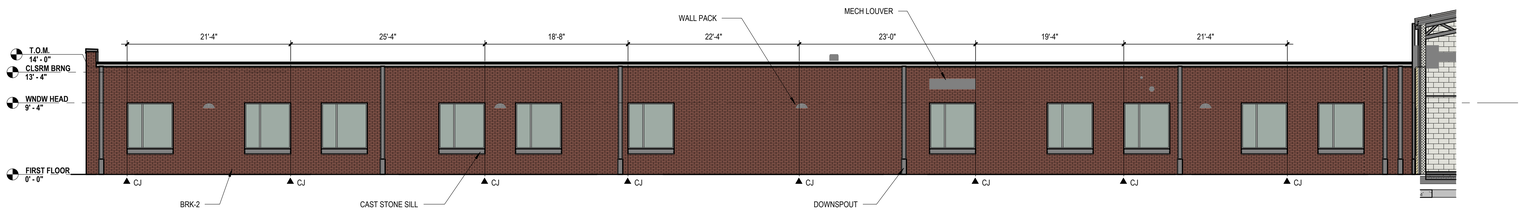

7 A-211 **ELEVATION - CLSSRM 500 - WEST**
SCALE: 1/8" = 1'-0"



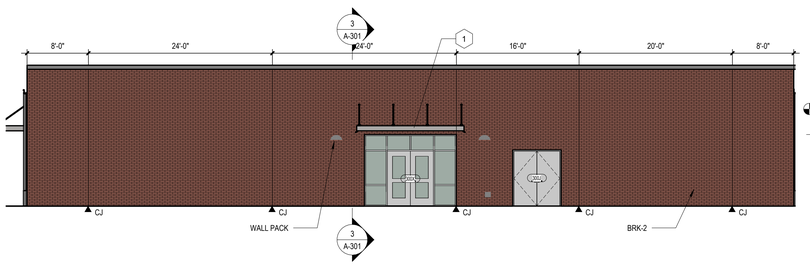

6 A-211 **ELEVATON - CLASSROOM 400/500- NORTH**
SCALE: 1/8" = 1'-0"



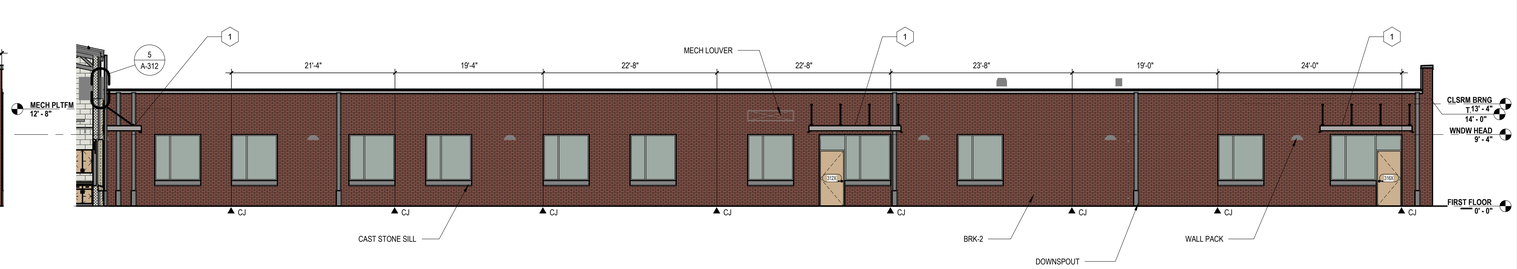

5 A-211 **ELEVATON - CLSSRM 400 - EAST**
SCALE: 1/8" = 1'-0"




4 A-211 **ELEVATION - CLASSRROM 400 - NORTH**
SCALE: 1/8" = 1'-0"




3 A-211 **ELEVATION - CLSSRM 400 -WEST**
SCALE: 1/8" = 1'-0"




2 A-211 **ELEVATION - CLASSROOM 300 - NORTH**
SCALE: 1/8" = 1'-0"

1 A-211 **ELEVATION - CLSSRM 300 - EAST**
SCALE: 1/8" = 1'-0"

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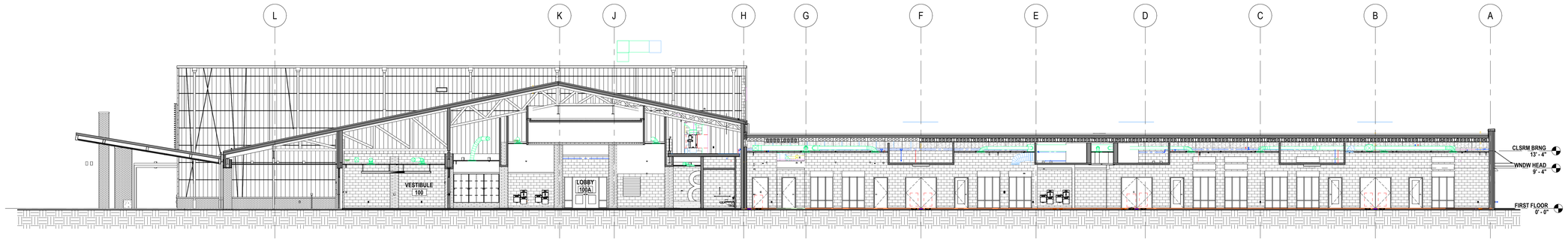
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PARTIAL BUILDING ELEVATIONS

A-211

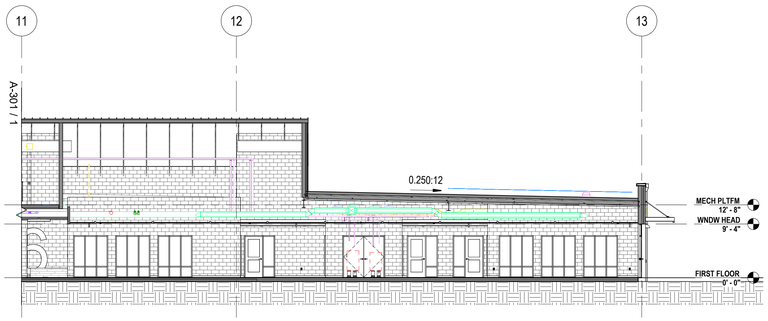
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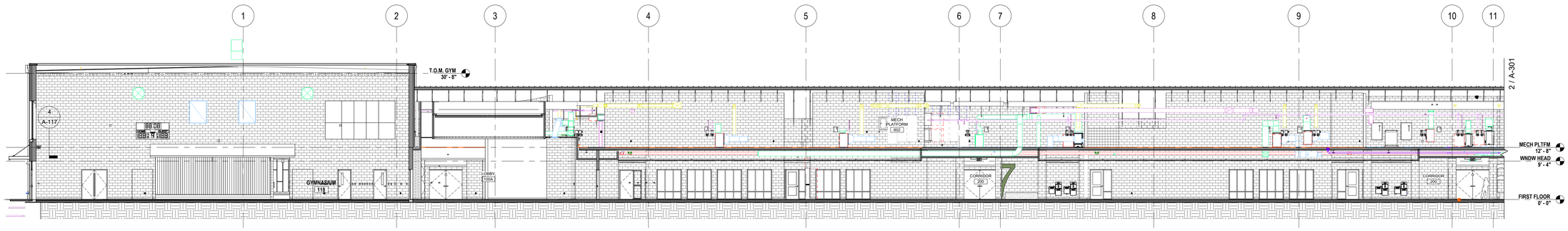

3 A-301 **BUILDING SECTION - CLASSROOM 300 COLLABORATION / LOBBY/ENTRY**

SCALE: 3/32" = 1'-0"




2 A-301 **BUILDING SECTION - AREA 100/200 - NORTH CONT.**

SCALE: 3/32" = 1'-0"




1 A-301 **BUILDING SECTION - AREA 100/200 - NORTH**

SCALE: 3/32" = 1'-0"

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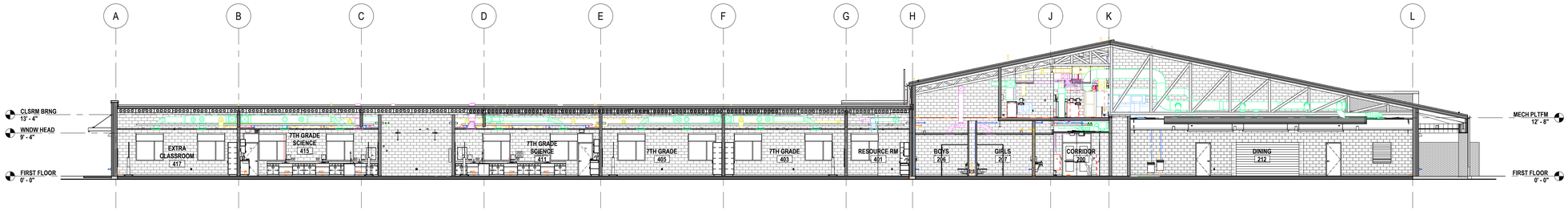
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BUILDING SECTIONS

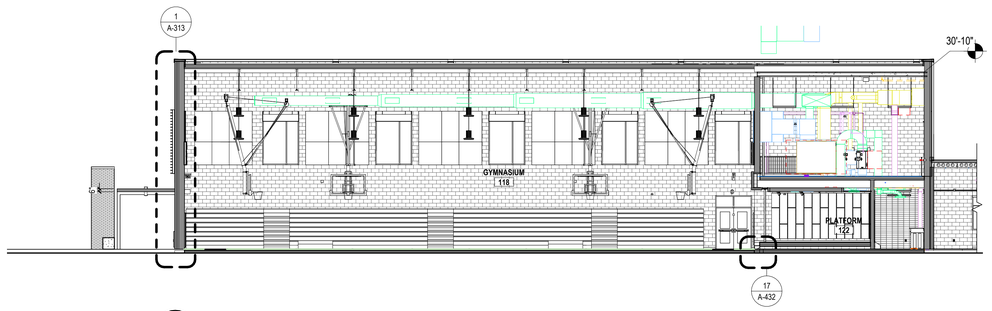
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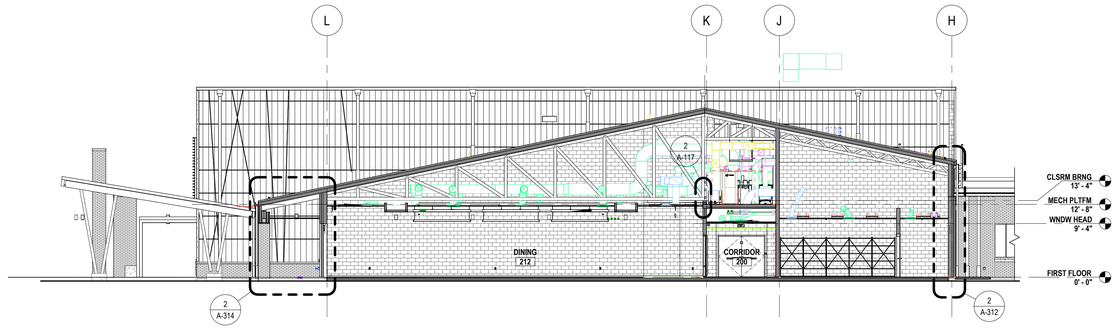
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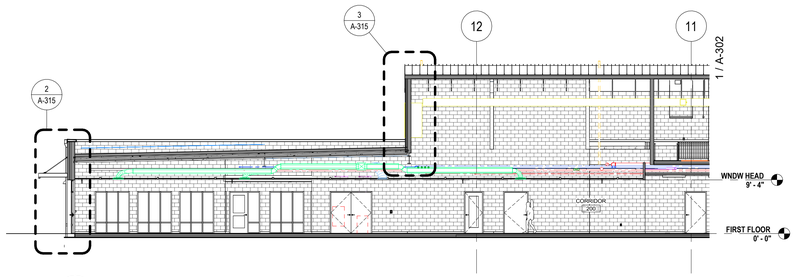

5 A-302 **BUILDING SECTION - CLASSROOM 400**
SCALE: 3/32" = 1'-0"



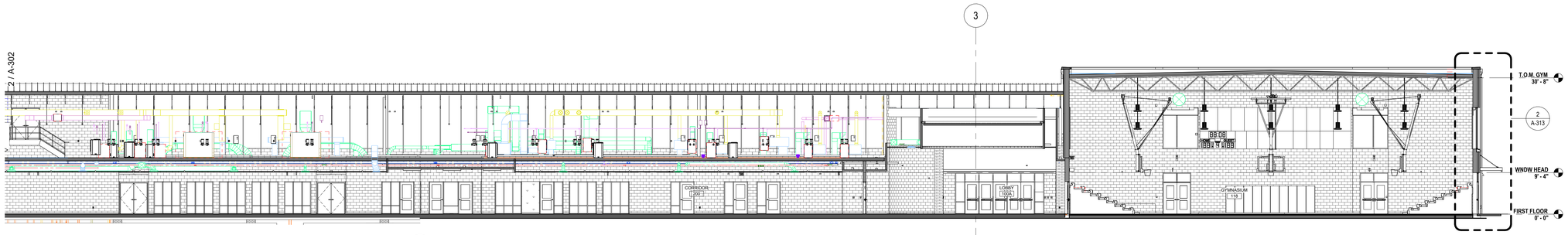

4 A-302 **BUILDING SECTION - GYM - ENDWALL**
SCALE: 3/32" = 1'-0"




3 A-302 **BUILDING SECTION - AREA 200 - DINING/ AUX. SPACE**
SCALE: 3/32" = 1'-0"




2 A-302 **BUILDING SECTION - CORRIDOR 200 - SOUTH**
SCALE: 3/32" = 1'-0"




1 A-302 **BUILDING SECTION - CORRIDOR 200 CONT.**
SCALE: 3/32" = 1'-0"

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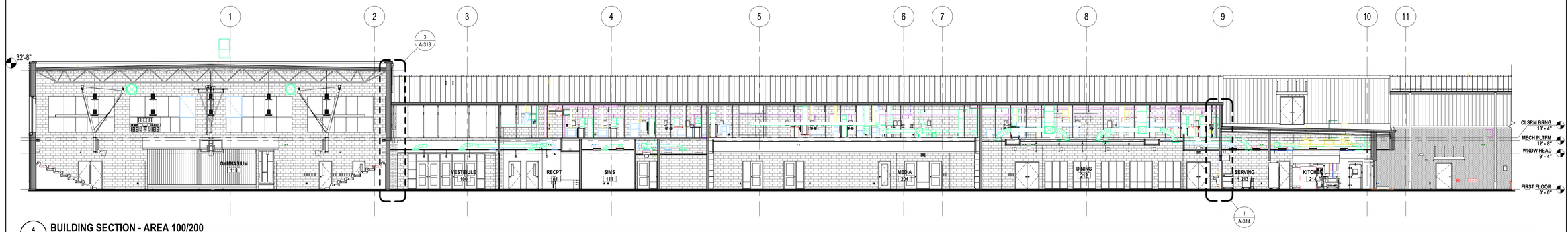
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BUILDING SECTIONS

A-302

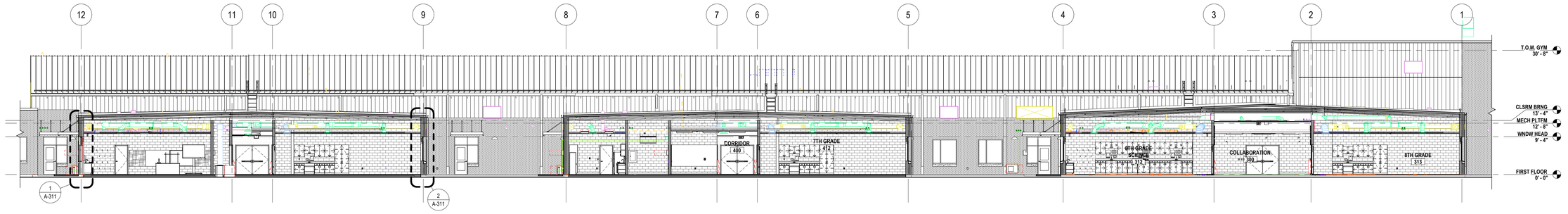
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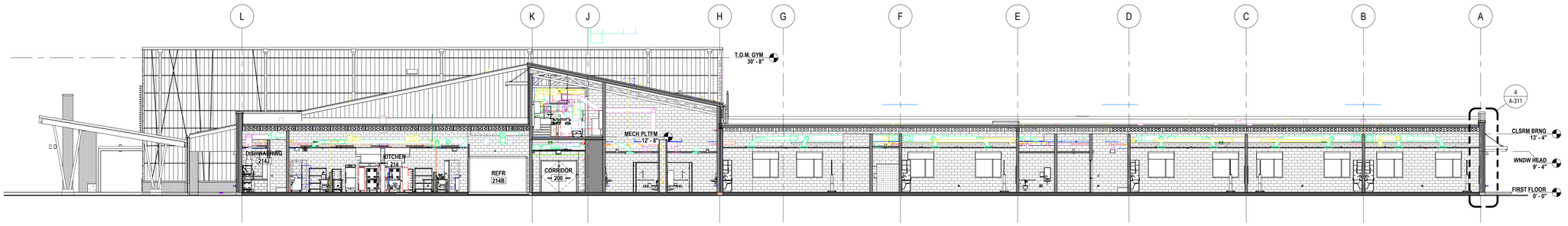

4 A-303 **BUILDING SECTION - AREA 100/200**

SCALE: 3/32" = 1'-0"



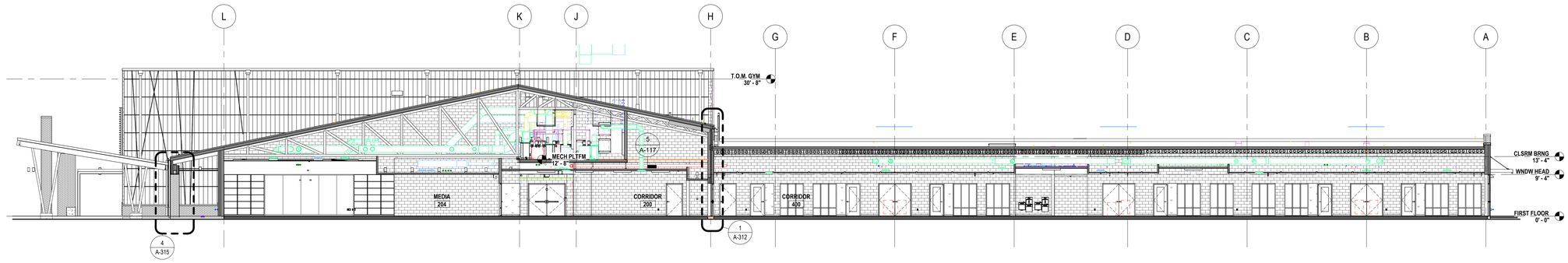

3 A-303 **BUILDING SECTION - CLASSROOM WINGS 300/400/500**

SCALE: 3/32" = 1'-0"




2 A-303 **BUILDING SECTION - 500 CLASSROOM /300 KITCHEN**

SCALE: 3/32" = 1'-0"




1 A-303 **BUILDING SECTION - 400 CLASSROOM /MEDIA CENTER**

SCALE: 3/32" = 1'-0"

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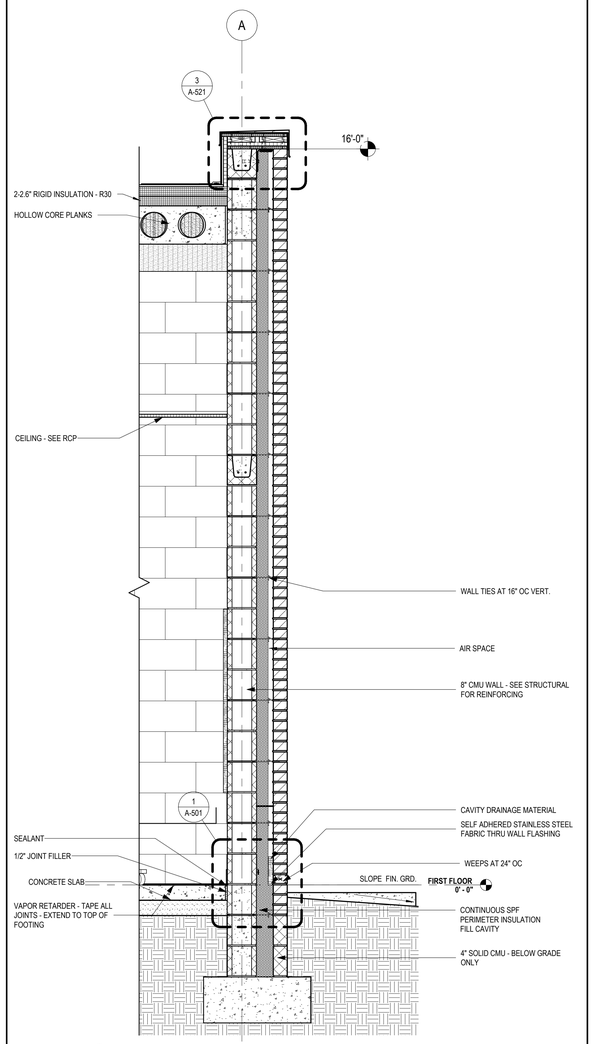
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BUILDING SECTIONS

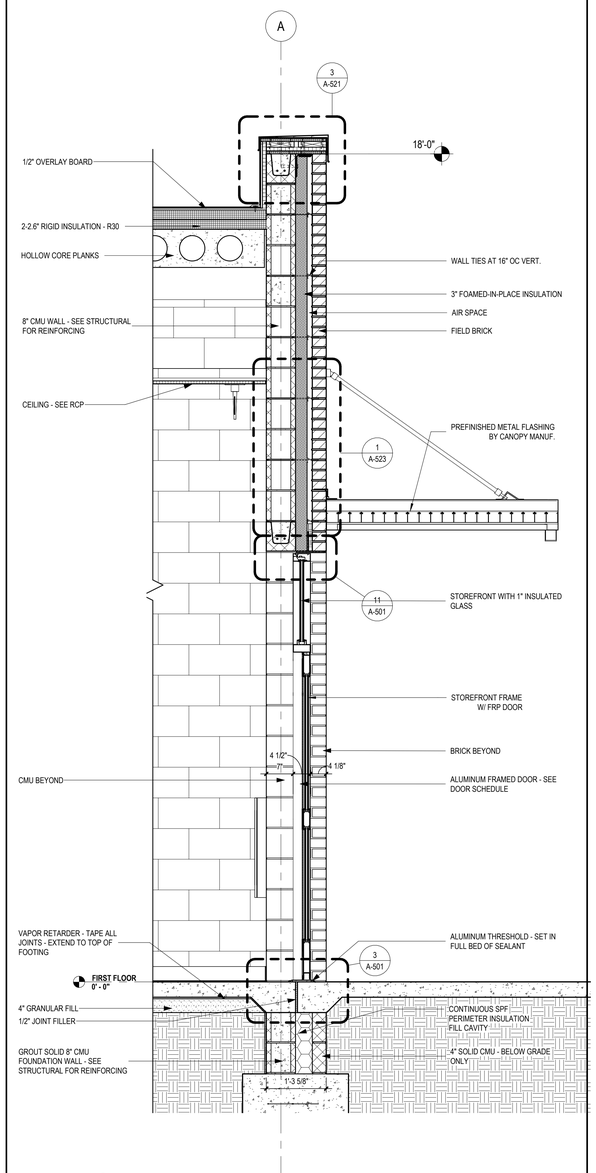
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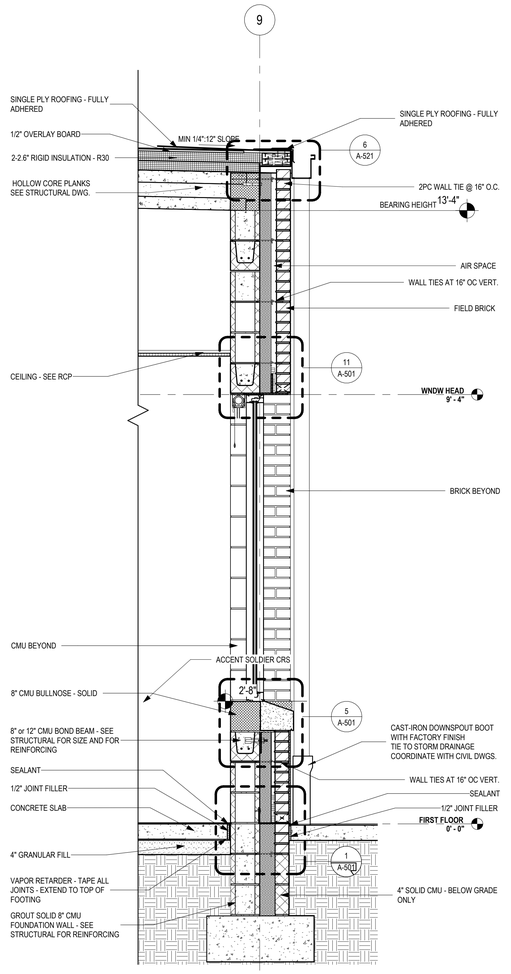
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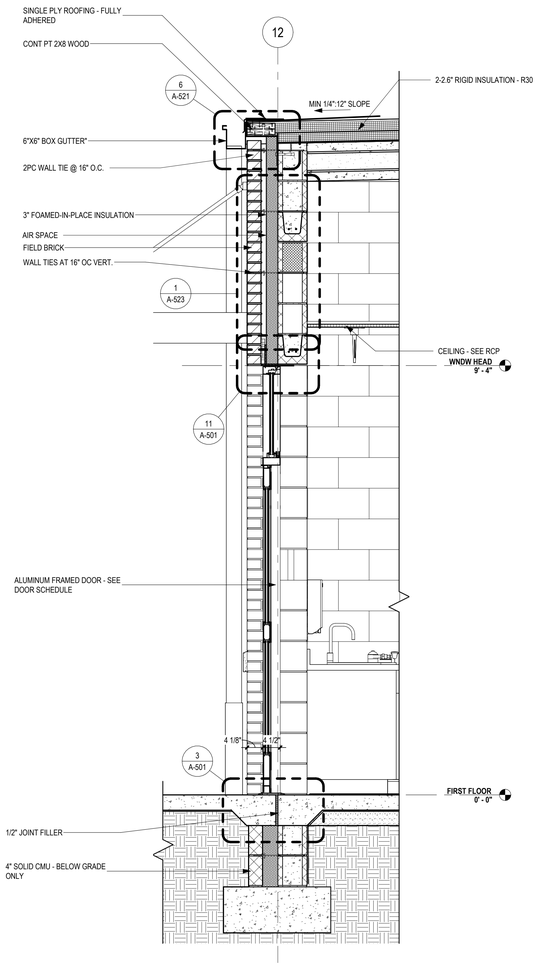

**4 / A-311 WALL SECTION - CLASSROOM ENDWALL**
SCALE: 3/4" = 1'-0"




**3 / A-311 WALL SECTION - CLASSROOM ENDWALL ENTRY**
SCALE: 3/4" = 1'-0"




**2 / A-311 WALL SECTION - CLASSROOM WINDOW**
SCALE: 3/4" = 1'-0"




**1 / A-311 WALL SECTION - CLASSROOM ENTRY**
SCALE: 3/4" = 1'-0"

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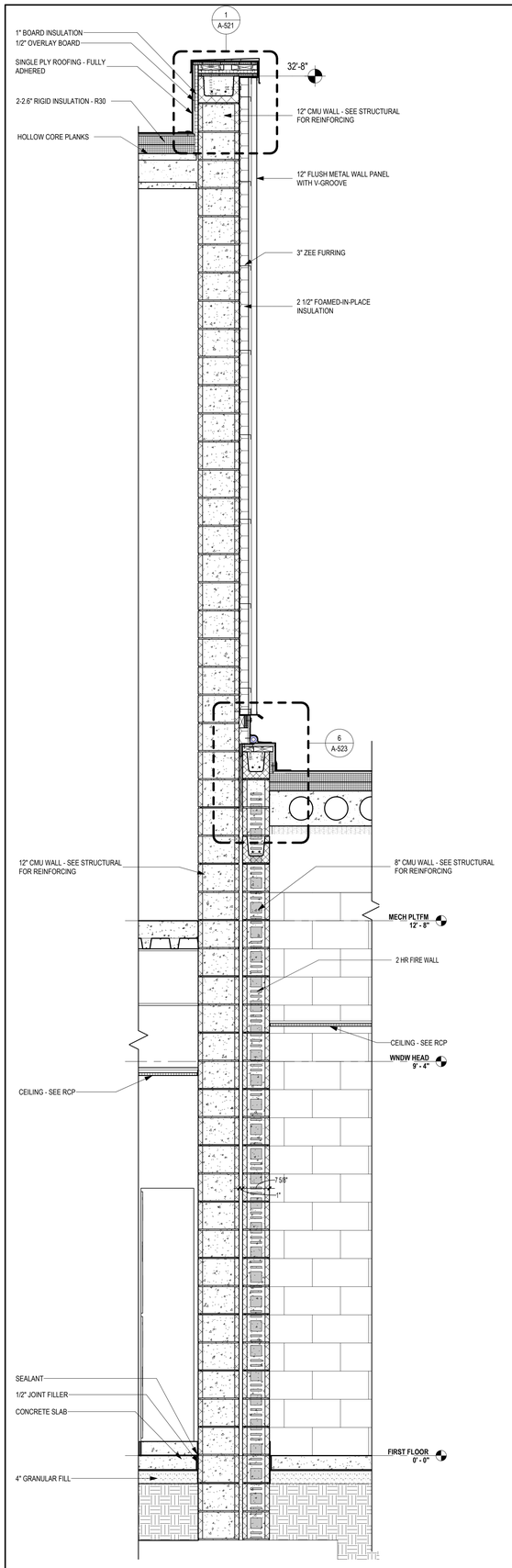
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WALL SECTIONS

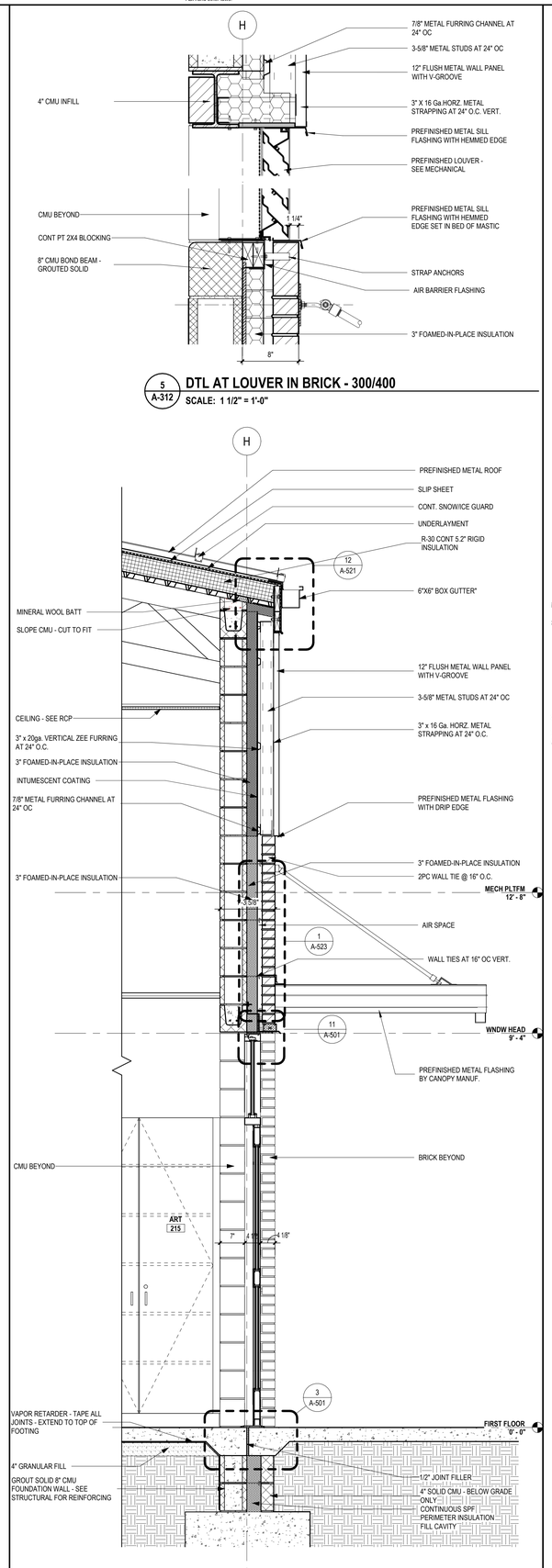
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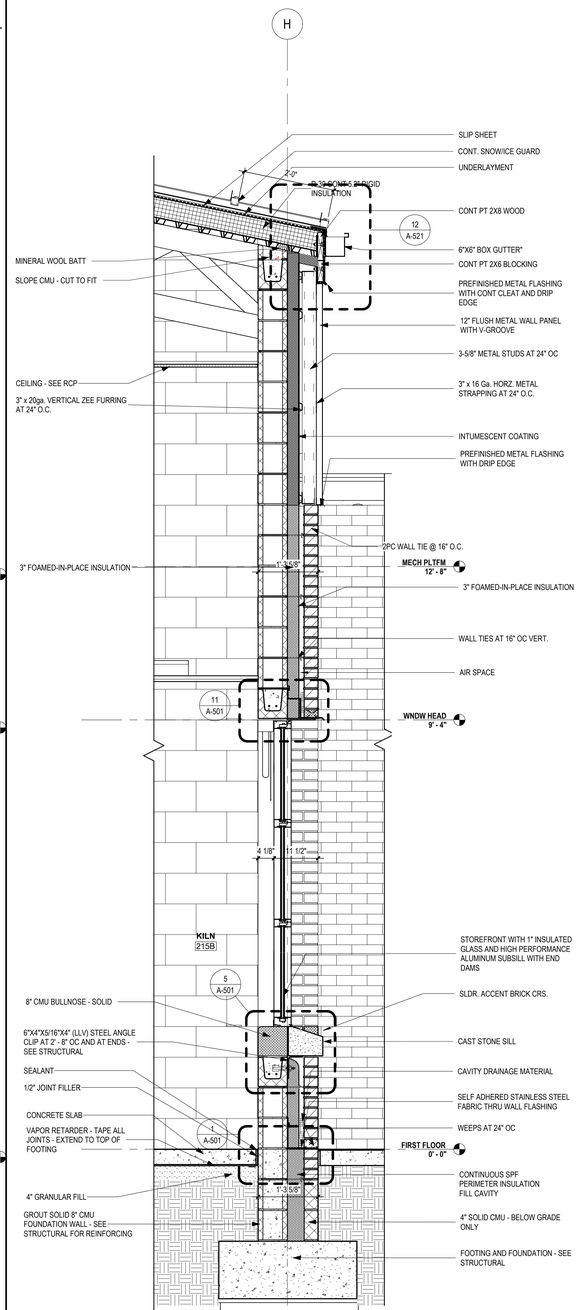

4 A-312 **WALL SECTION - CLASSROOM 300 / GYM**
SCALE: 3/4" = 1'-0"



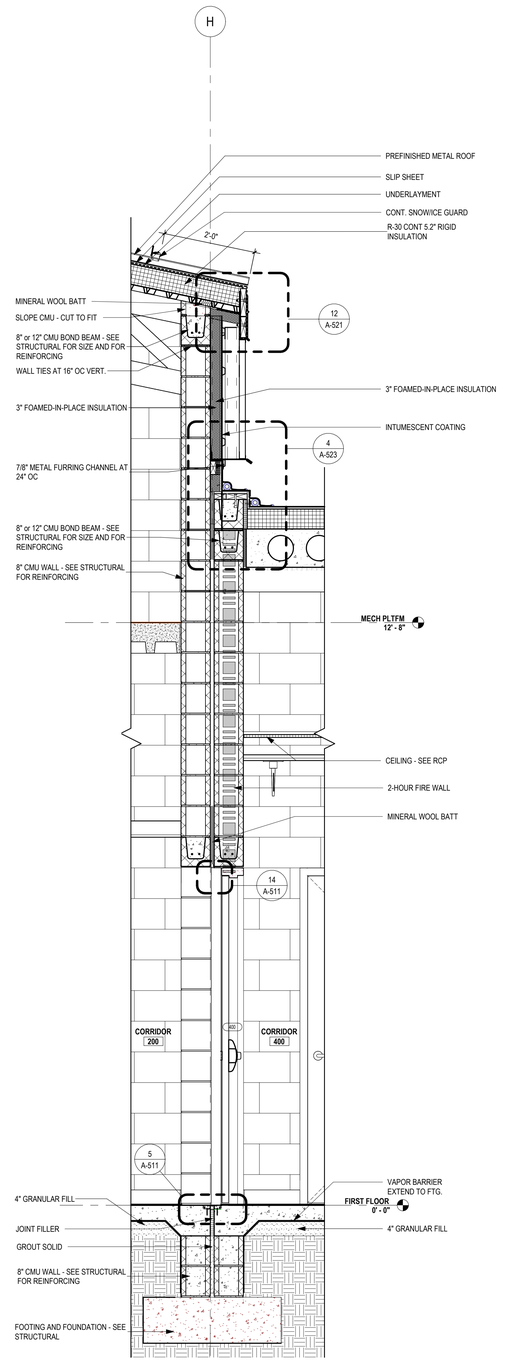

5 A-312 **DTL AT LOUVER IN BRICK - 300/400**
SCALE: 1 1/2" = 1'-0"




3 A-312 **WALL SECTION - AREA 200 - ART 215 - ENTRY**
SCALE: 3/4" = 1'-0"




2 A-312 **WALL SECTION - AREA 200 - ART 215**
SCALE: 3/4" = 1'-0"




1 A-312 **WALL SECTION - 400 CLASSROOM - FIREWALL**
SCALE: 3/4" = 1'-0"

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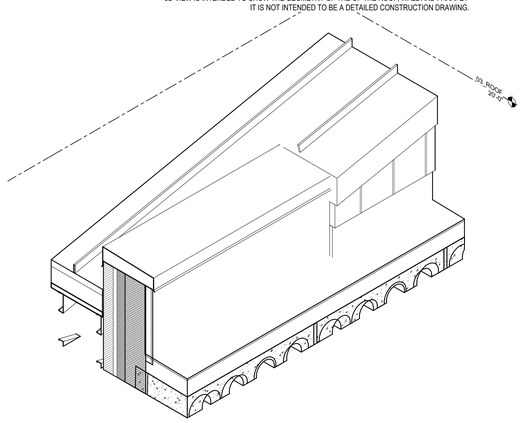
WALL SECTIONS

A-312

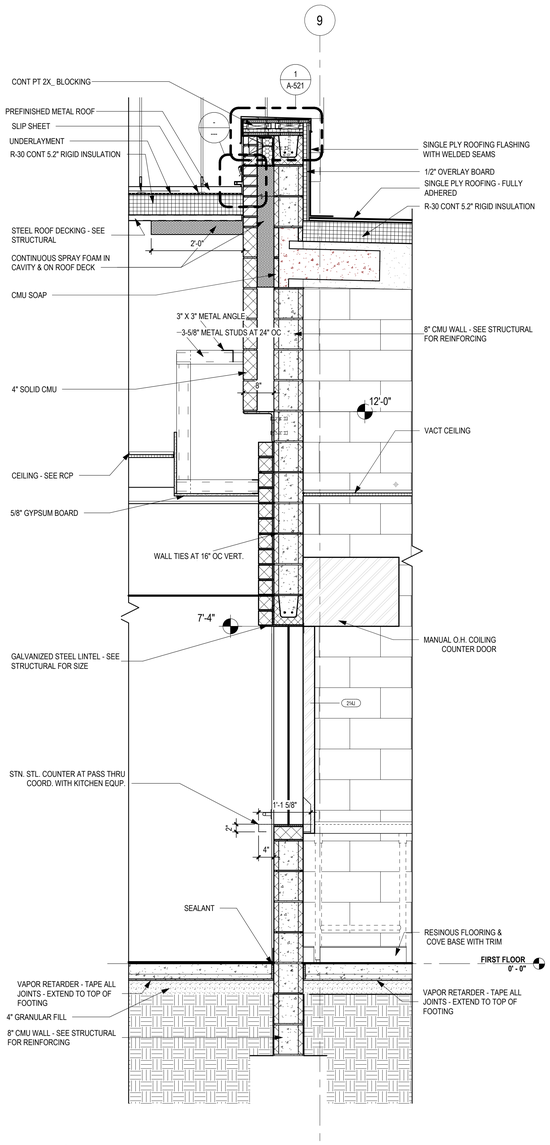
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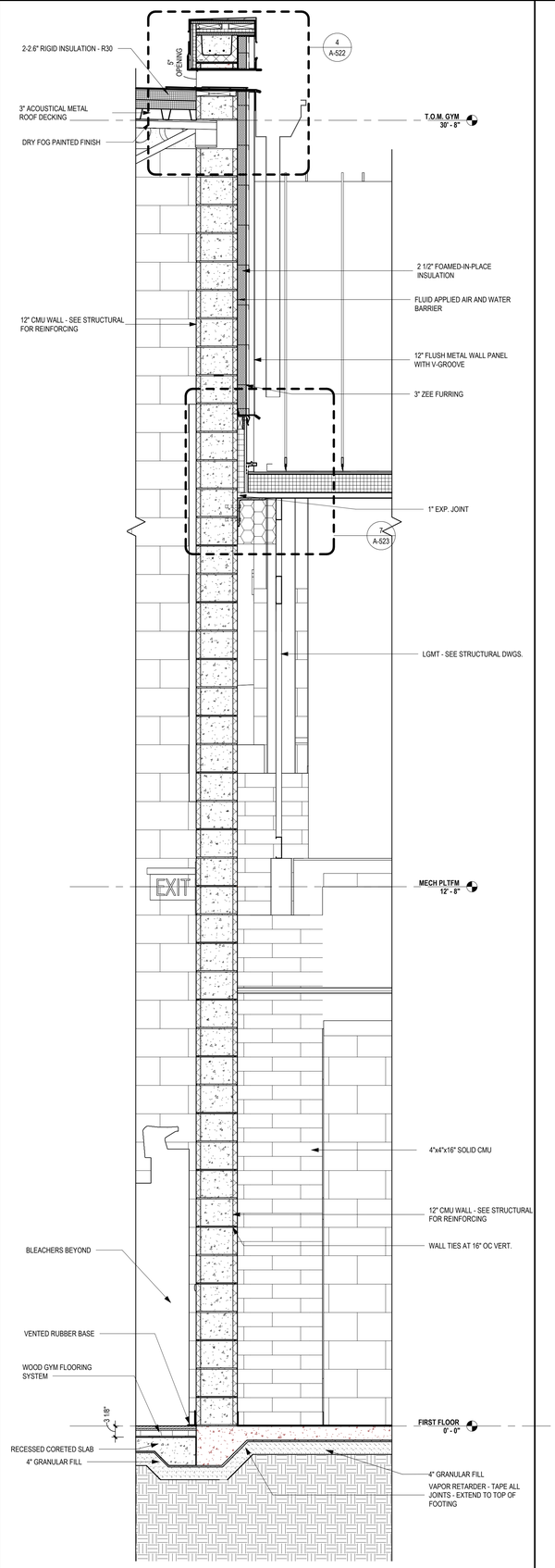
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IT IS NOT INTENDED TO BE A DETAILED CONSTRUCTION DRAWING.



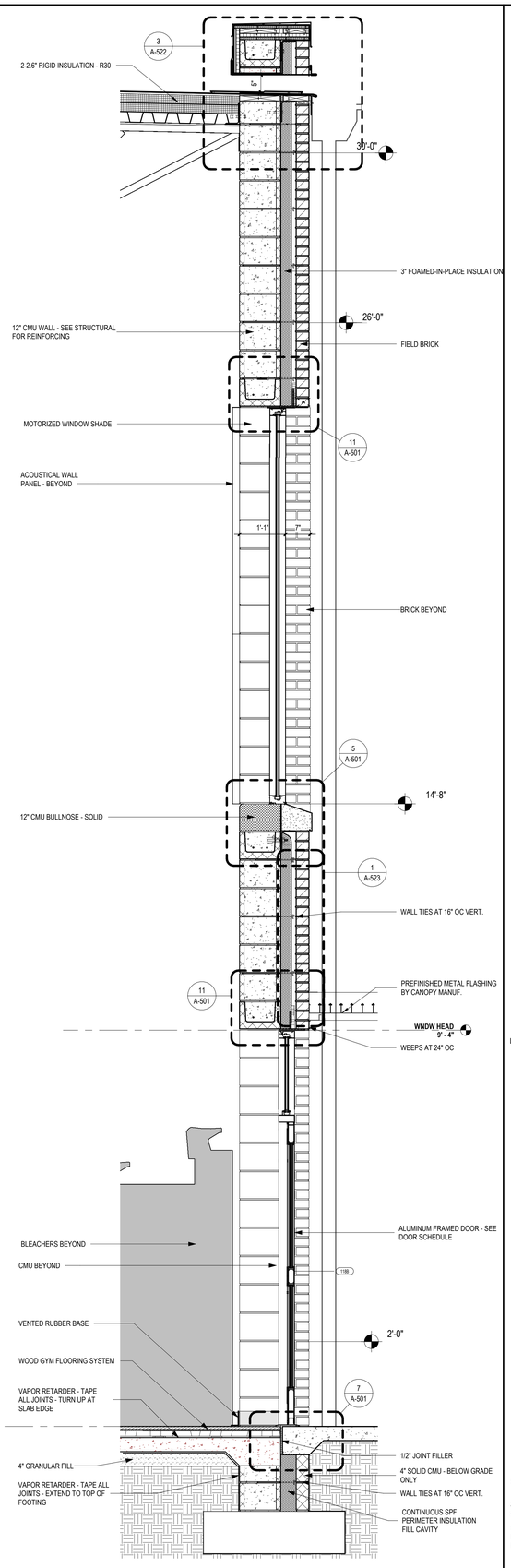

## 5 A-313 ROOF PARAPET 3D VIEW AT TPO ROOF
SCALE:



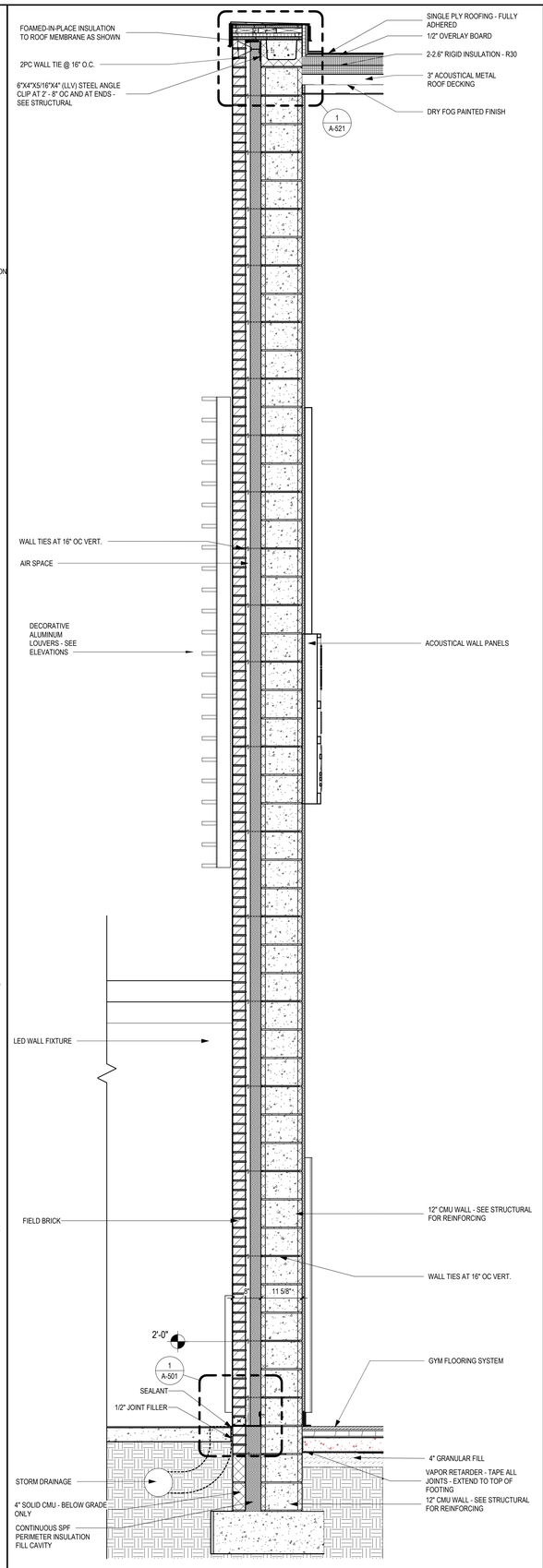

## 4 A-313 WALL SECTION AT O.H. COUNTER DOOR
SCALE: 3/4" = 1'-0"




## 3 A-313 WALL SECTION - VEST. 100 / GYM-LOW EAVE
SCALE: 3/4" = 1'-0"




## 2 A-313 WALL SECTION - GYM ENTRY - SIDEWALL
SCALE: 3/4" = 1'-0"




## 1 A-313 WALL SECTION - GYM - ENDWALL CANOPY
SCALE: 3/4" = 1'-0"

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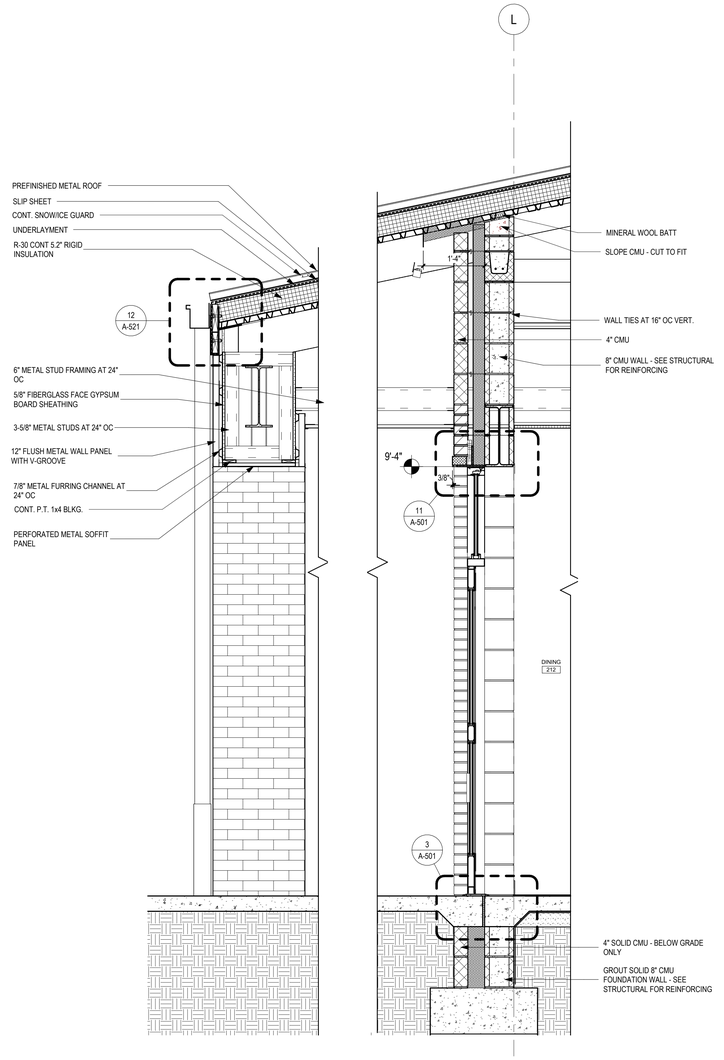
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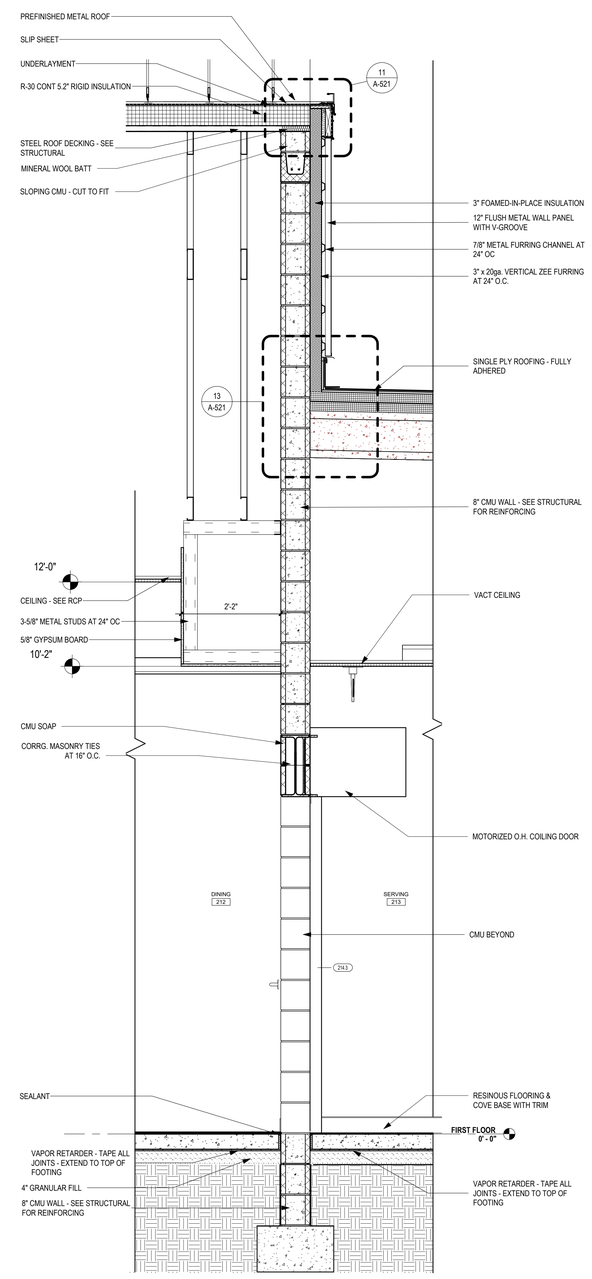
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**2 / A-314 WALL SECTION - DINING -LOW EAVE**
SCALE: 3/4" = 1'-0"




**1 / A-314 WALL SECTION - SERVING/DINING**
SCALE: 3/4" = 1'-0"

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Construction Documents

Lenoir County

# EB Frink Middle School

405 North Charles Street La Grange NC, 28551

ENERGY STAR PARTNER

| No. | Date | Description |
|---|---|---|
| 1 | 02/18/2025 | BID SET/AGENCY COM. |

ISSUE DATE: 02/18/2025
PROJECT #: 02303.000
DRAWN BY: DS
CHECKED BY: MK

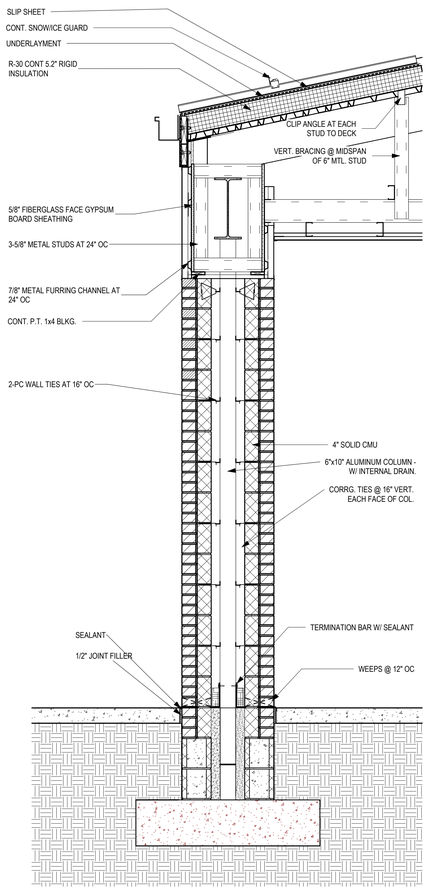
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WALL SECTIONS

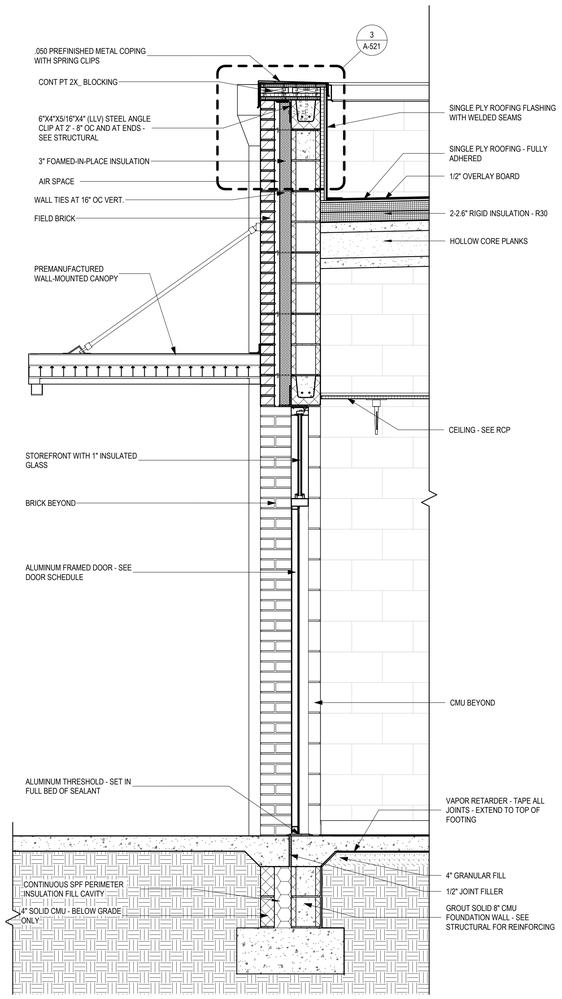
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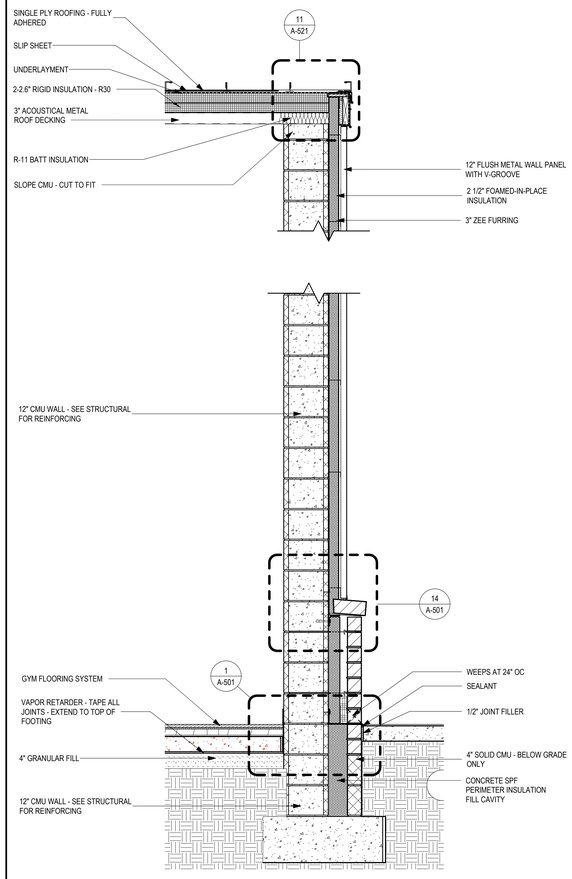
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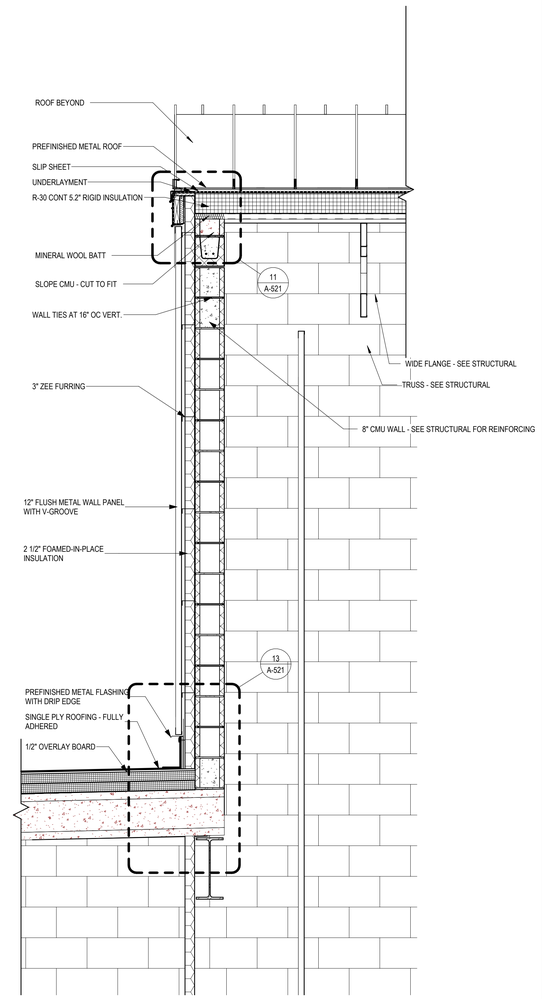

4 A-315 **WALL SECTION - COLUMN AT COLONNADE**
SCALE: 3/4" = 1'-0"




2 A-315 **BUILDING SECTION - CORRIDOR 200 - SOUTH - Callout 1**
SCALE: 3/4" = 1'-0"




1 A-315 **WALL SECTION - MTL. PANEL AT GYM WITH MASONRY BASE**
SCALE: 3/4" = 1'-0"




3 A-315 **WALL SECTION - CORRIDOR 200 - ENDWALL/ENTRY**
SCALE: 3/4" = 1'-0"

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Construction Documents

Lenoir County

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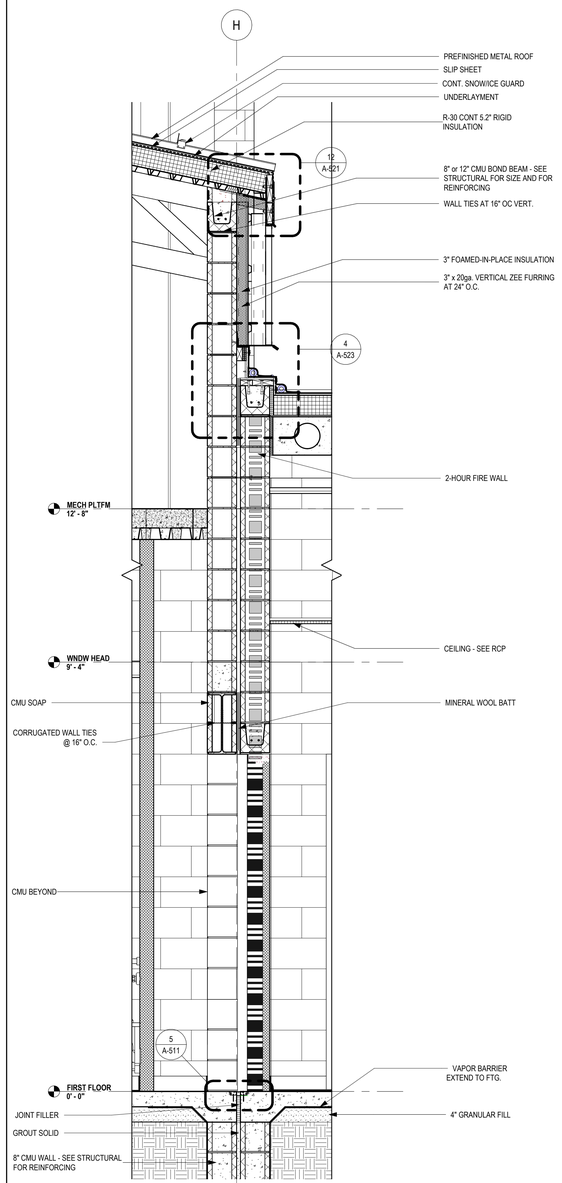
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WALL SECTIONS

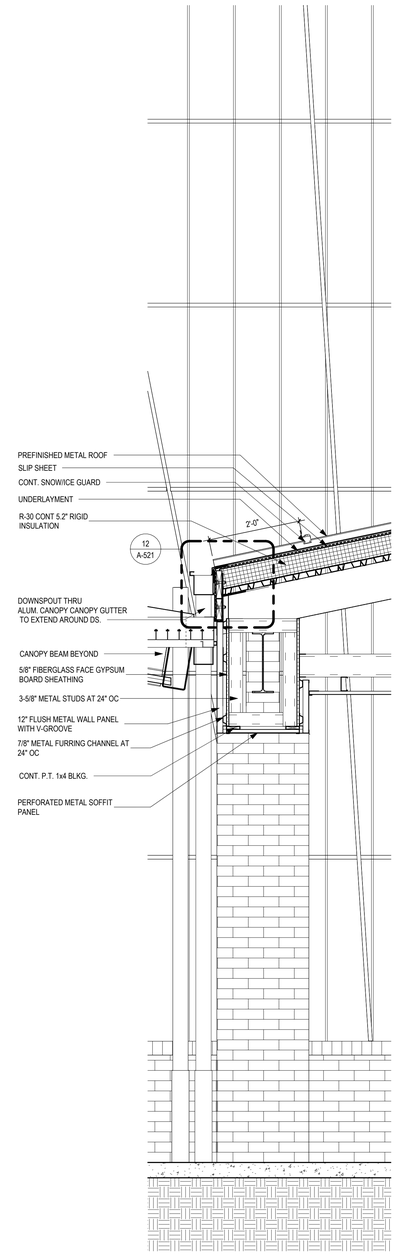
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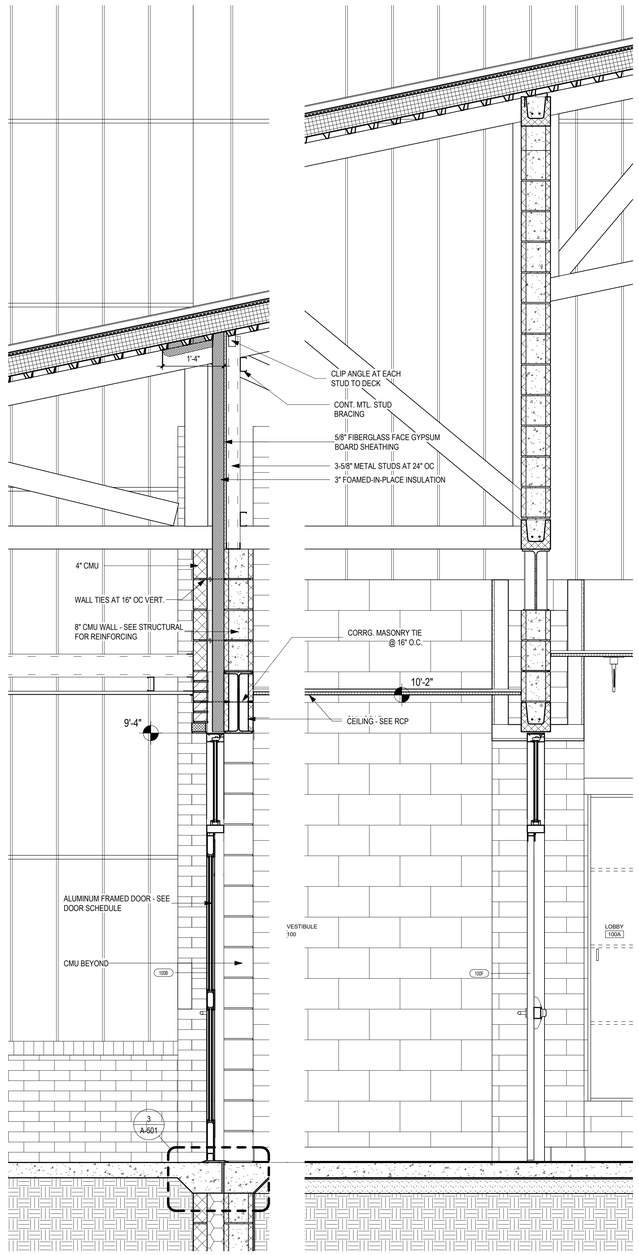
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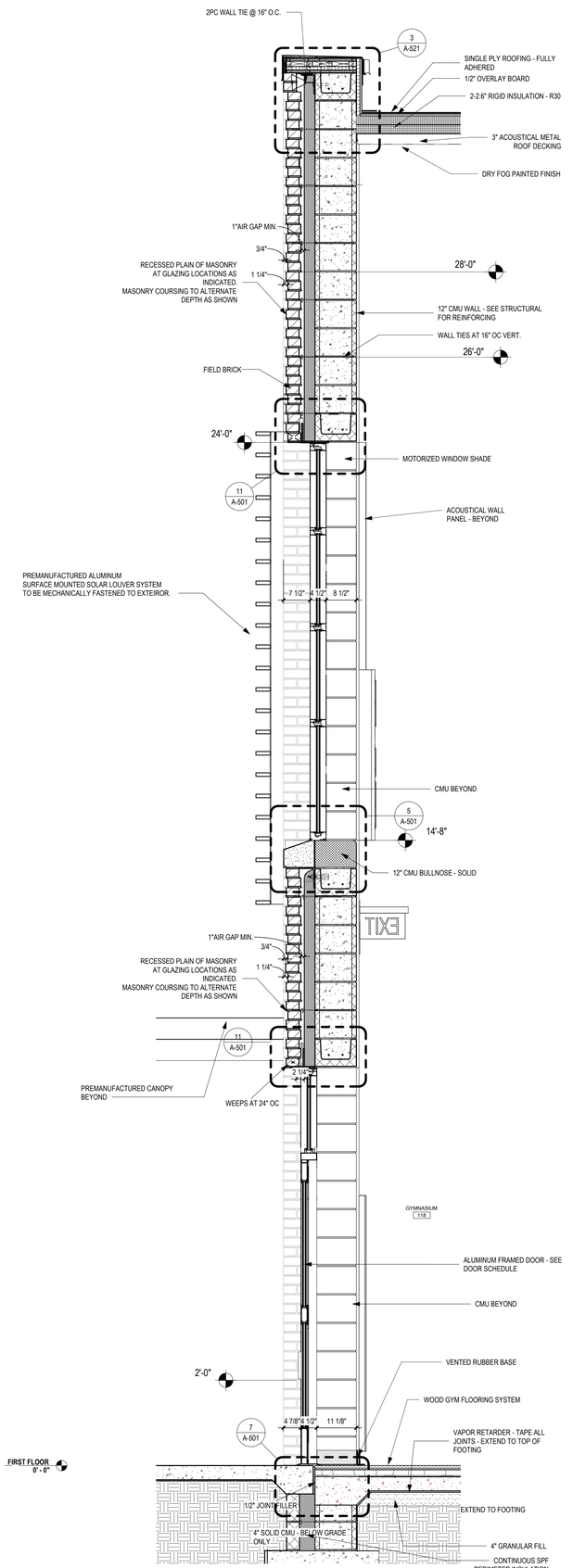



3 A-316 **WALL SECTION - AREA 100 /300- LOW EAVE**
SCALE: 3/4" = 1'-0"




2 A-316 **WALL SECTION - VEST. 100**
SCALE: 3/4" = 1'-0"




1 A-316 **WALL SECTION - GYM SOUTH WALL - @ RECESS PATTERN**
SCALE: 3/4" = 1'-0"

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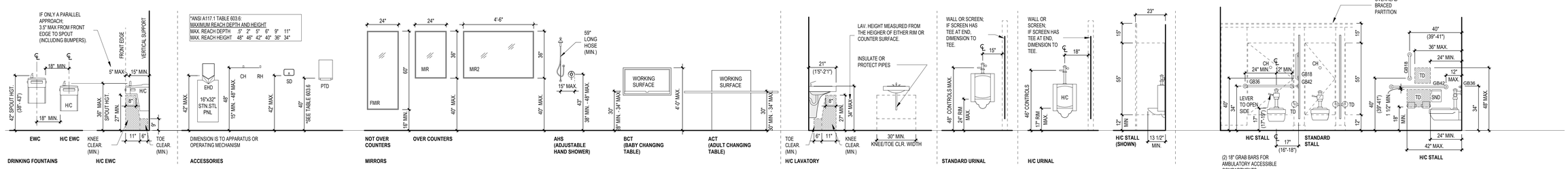
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WALL SECTIONS

A-316

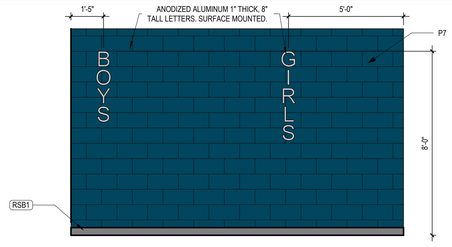
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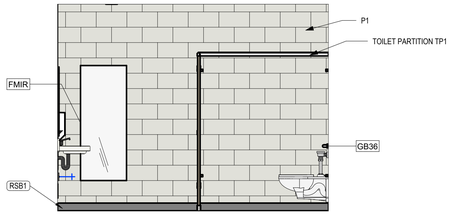

## 11 A-401 TYPICAL TOILET FIXTURE MOUNTING HEIGHTS - ADULT

SCALE: 3/8" = 1'-0"



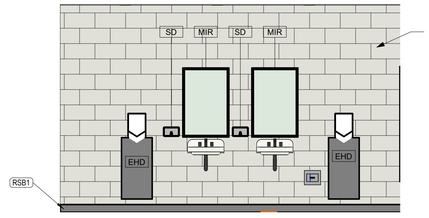

## 10 A-401 INT ELEV - BOYS 126 & GIRLS 127 ENTRY

SCALE: 3/8" = 1'-0"



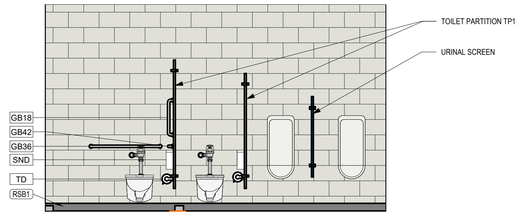

## 9 A-401 INT ELEV - BOYS 126- EAST

SCALE: 3/8" = 1'-0"



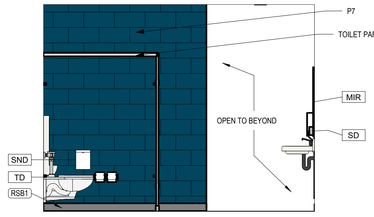

## 8 A-401 INT ELEV - BOYS 126- NORTH

SCALE: 3/8" = 1'-0"



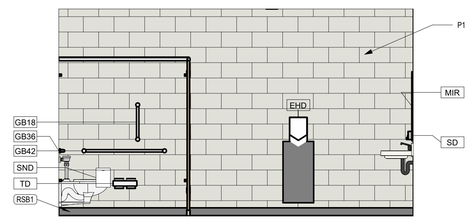

## 7 A-401 INT ELEV - BOYS 126- SOUTH

SCALE: 3/8" = 1'-0"



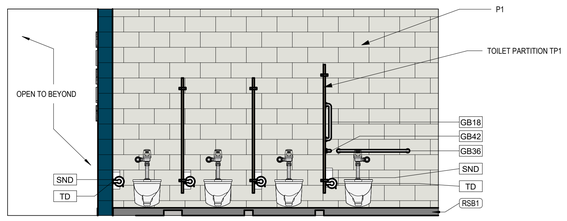

## 6 A-401 INT ELEV - BOYS 126- WEST

SCALE: 3/8" = 1'-0"



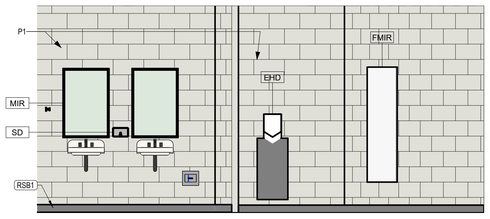

## 5 A-401 INT ELEV - GIRLS 127- EAST

SCALE: 3/8" = 1'-0"



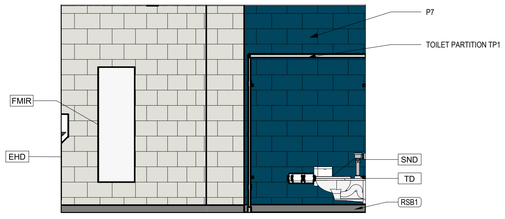

## 4 A-401 INT ELEV - GIRLS 127- NORTH

SCALE: 3/8" = 1'-0"




## 3 A-401 INT ELEV - GIRLS 127- SOUTH

SCALE: 3/8" = 1'-0"

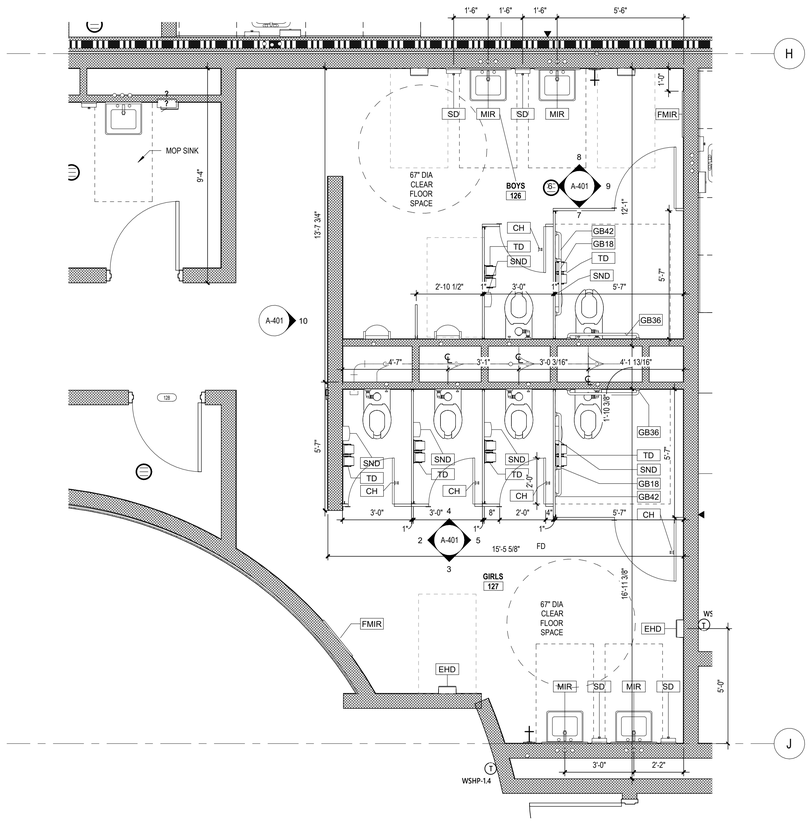



## 2 A-401 INT ELEV - GIRLS 127- WEST

SCALE: 3/8" = 1'-0"

## TOILET ACCESSORY LEGEND

| NAME | DESCRIPTION |
|---|---|
| ACT | ADULT CHANGING TABLE |
| BCT | BABY CHANGING TABLE |
| CH | COAT HOOK (WALL OR DOOR MOUNTED) |
| EHD | ELECTRIC HAND DRYER |
| FD | FLOOR DRAIN - SEE PLUMBING |
| GB | 1 1/2" DIA SS GRAB BAR (GB# NOTED IN PLAN INDICATES LENGTH IN INCHES |
| H/C | INDICATES TO MOUNT FIXTURE AT HANDICAPPED ACCESSIBLE HEIGHT |
| MIR | SS FRAMED WALL MIRROR ATTACHED WITH CONCEALED FASTENERS, REFER TO MOUNTING HEIGHT LEGEND FOR SIZES |
| PTD | WALL MOUNTED PAPER TOWEL DISPENSER |
| RH | ROBE HOOK |
| SD | WALL MOUNTED GRAVITY FED SOAP DISPENSER |
| SND | SANITARY NAPKIN DISPOSAL (WOMENS TOILET ROOMS ONLY) |
| TD | 1 ROLL TOILET TISSUE DISPENSER; 1 PER STALL IN GROUP TOILETS |




## 1 A-401 ENLGD TLT PLAN-AREA 100 - LOBBY TLT

SCALE: 3/8" = 1'-0"

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Construction Documents

Lenoir County
**EB Frink Middle School**
405 North Charles Street La Grange NC, 28551

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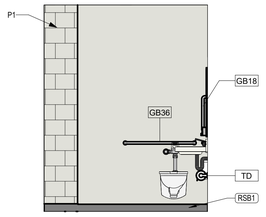
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ENLARGED TOILET PLANS & INTERIOR ELEVATIONS

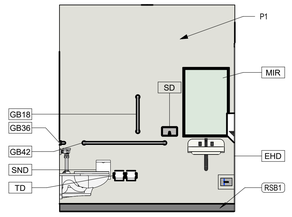
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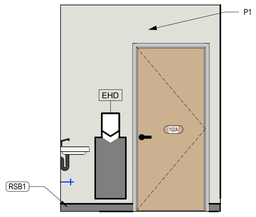
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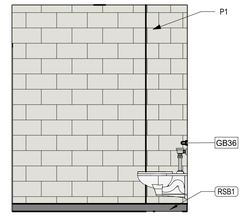

24 A-402 **INT ELEV - HEALTH TLT 102A - NORTH**
SCALE: 3/8" = 1'-0"



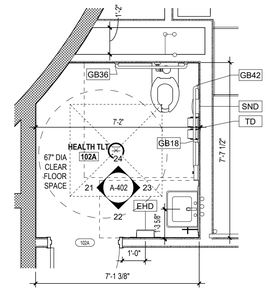

23 A-402 **INT ELEV - HEALTH TLT 102A - EAST**
SCALE: 3/8" = 1'-0"




22 A-402 **INT ELEV - HEALTH TLT 102A - SOUTH**
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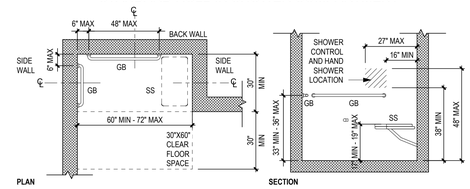



21 A-402 **INT ELEV - HEALTH TLT 102A - WEST**
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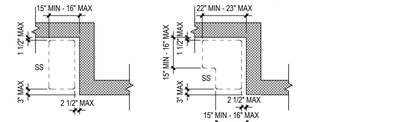



20 A-402 **ENLGD TLT PLAN - TLT 102A**
SCALE: 3/8" = 1'-0"

## STANDARD ROLL-IN SHOWER COMPARTMENT




## STANDARD SHOWER COMPARTMENT SEAT

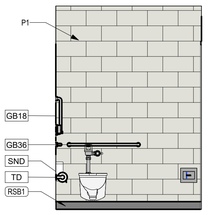



RECTANGULAR SHOWER COMPARTMENT SEAT

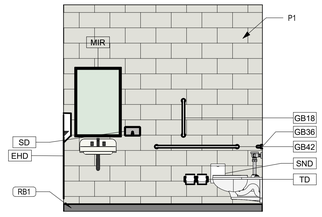
L-SHAPED SHOWER COMPARTMENT SEAT

*NOTE: STANDARD ROLL-IN SHOWER REQUIREMENTS TO MEET ICC ANSI A117.7-2009 SECTION 608

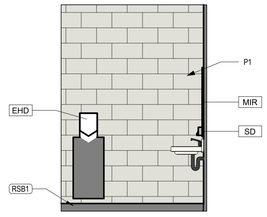
19 A-402 **SHOWER COMPARTMENT REQUIREMENTS**
SCALE: 3/8" = 1'-0"



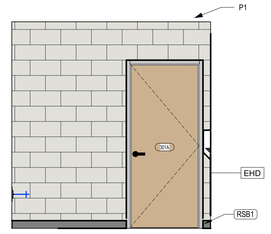

18 A-402 **INT ELEV - STAFF TOILET 301A - WEST**
SCALE: 3/8" = 1'-0"



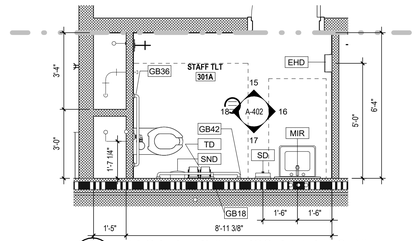

17 A-402 **INT ELEV - STAFF TOILET 301A - SOUTH**
SCALE: 3/8" = 1'-0"



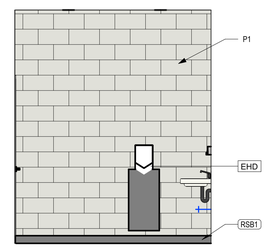

16 A-402 **INT ELEV - STAFF TOILET 301A - EAST**
SCALE: 3/8" = 1'-0"



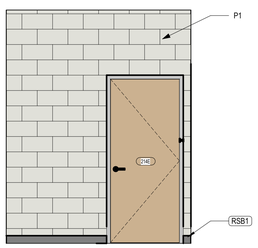

15 A-402 **INT ELEV - STAFF TOILET 301A - NORTH**
SCALE: 3/8" = 1'-0"



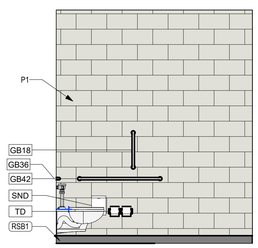

14 A-402 **ENLGD TLT PLAN - RSC RM ADJACENT**
SCALE: 3/8" = 1'-0"



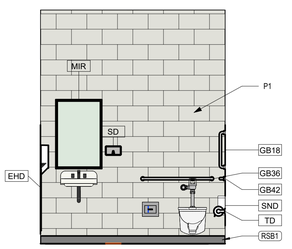

13 A-402 **INT ELEV TLT 214E - WEST**
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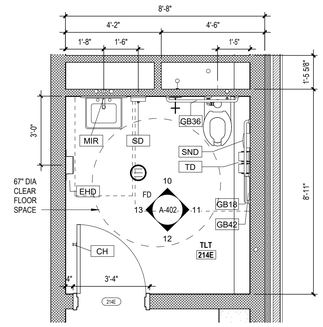

12 A-402 **INT ELEV TLT 214E - SOUTH**
SCALE: 3/8" = 1'-0"



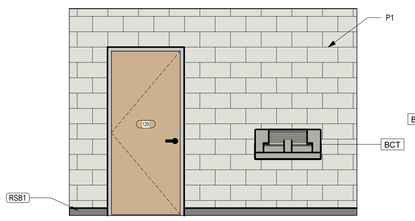

11 A-402 **INT ELEV TLT 214E - EAST**
SCALE: 3/8" = 1'-0"



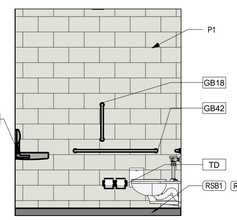

10 A-402 **INT ELEV TLT 214E - NORTH**
SCALE: 3/8" = 1'-0"



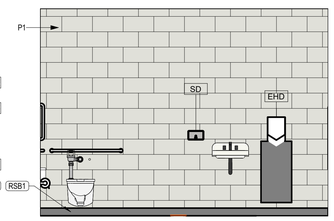

9 A-402 **ENLGD TLT PLAN - KITCHEN**
SCALE: 3/8" = 1'-0"



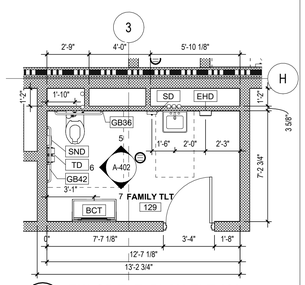

7 A-402 **INT ELEV - TLT 129 - SOUTH**
SCALE: 3/8" = 1'-0"



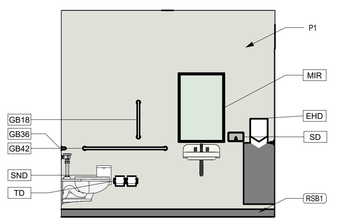

6 A-402 **INT ELEV - TLT 129 - WEST**
SCALE: 3/8" = 1'-0"



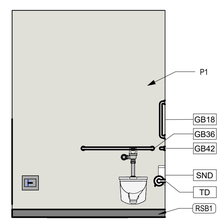

5 A-402 **INT ELEV - TLT 129 - NORTH**
SCALE: 3/8" = 1'-0"



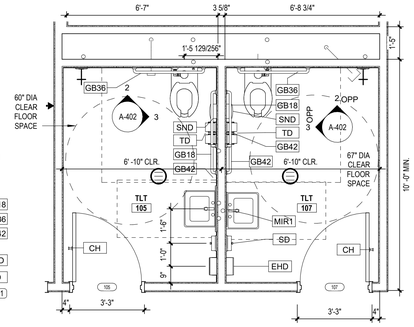

4 A-402 **ENLGD TLT PLAN-TLT 129**
SCALE: 1/4" = 1'-0"




3 A-402 **INT ELEV - TLT 105 - EAST**
SCALE: 3/8" = 1'-0"




2 A-402 **INT ELEV - TLT 105 - NORTH**
SCALE: 3/8" = 1'-0"




1 A-402 **ENLGD TLT PLAN-AREA 100 - ADMIN**
SCALE: 3/8" = 1'-0"

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Construction Documents

Lenoir County
**EB Frink Middle School**
405 North Charles Street La Grange NC, 28551

ENERGY STAR PARTNER

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ISSUE DATE: 02/18/2025
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DRAWN BY: RLH
CHECKED BY: MK

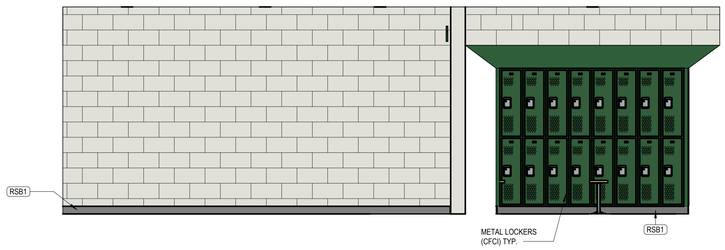
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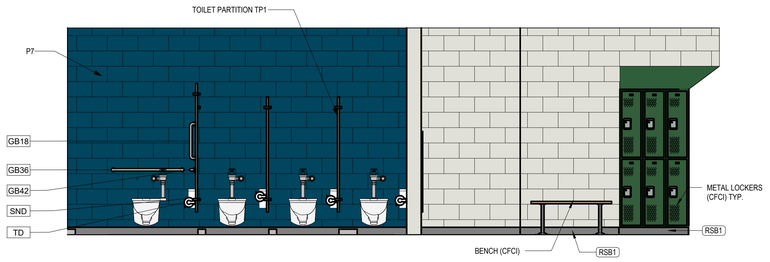
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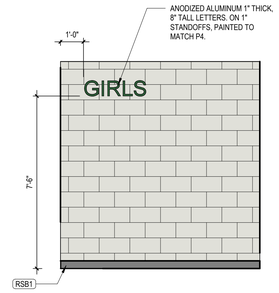
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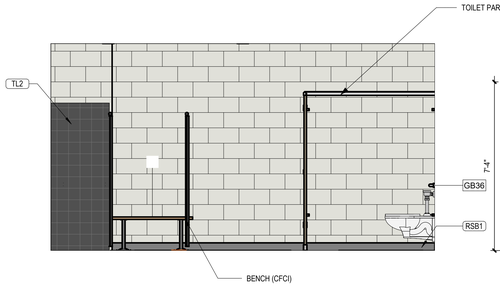

## 12 A-403 INT ELEV - GIRLS LKR 121 - WEST
SCALE: 3/8" = 1'-0"



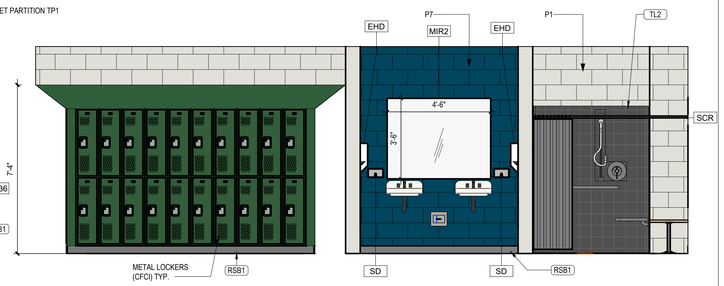

## 11 A-403 INT ELEV - GIRLS LKR 121 - SOUTH
SCALE: 3/8" = 1'-0"



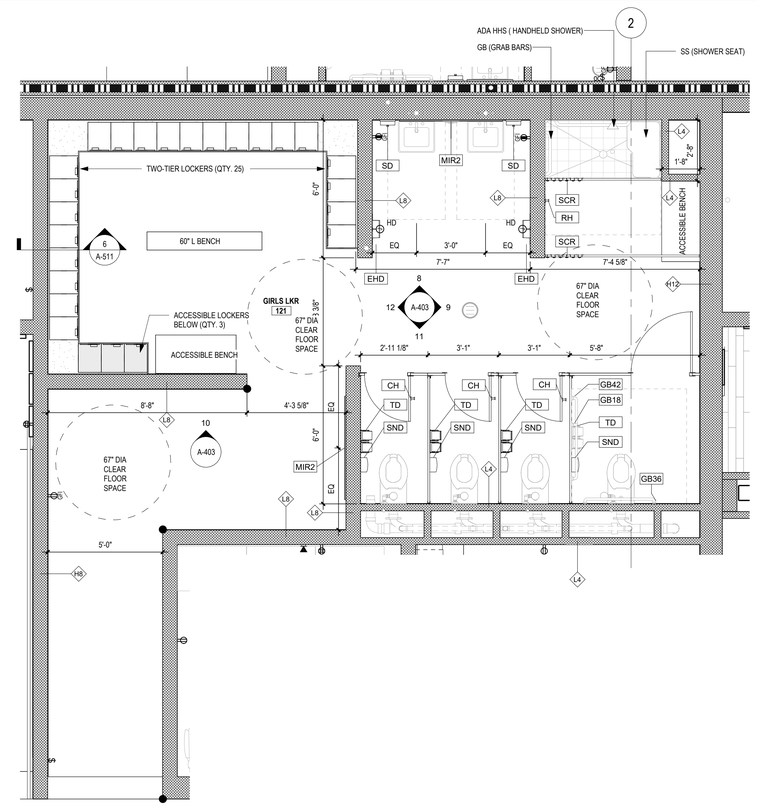

## 10 A-403 INT ELEV - GIRLS LKR 123 - ENTRY
SCALE: 3/8" = 1'-0"



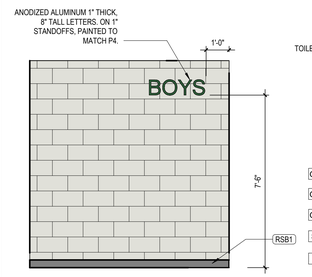

## 9 A-403 INT ELEV - GIRLS LKR 121 - EAST
SCALE: 3/8" = 1'-0"



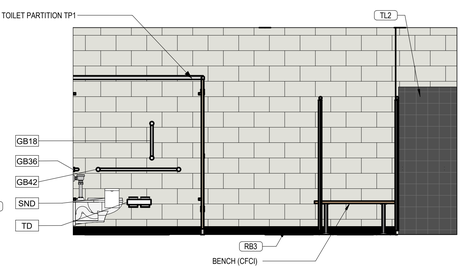

## 8 A-403 INT ELEV - GIRLS LKR 121 - NORTH
SCALE: 3/8" = 1'-0"



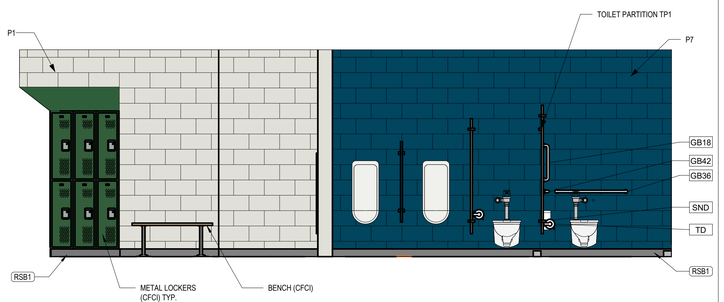

## 7 A-403 ENLGD PLAN - GIRLS LKR 123
SCALE: 3/8" = 1'-0"



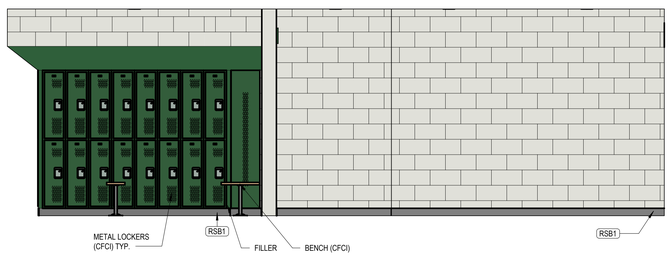

## 6 A-403 INT ELEV - BOYS LKR 123 - ENTRY
SCALE: 3/8" = 1'-0"



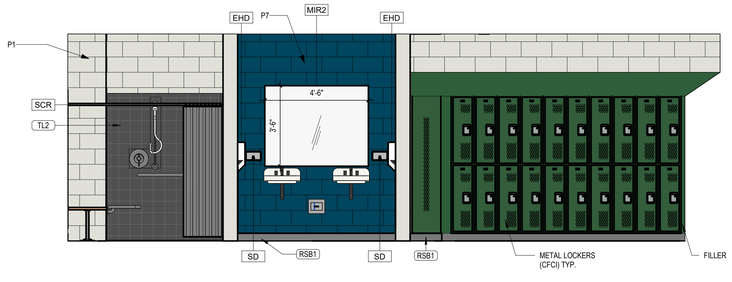

## 5 A-403 INT ELEV - BOYS LKR 123 - WEST
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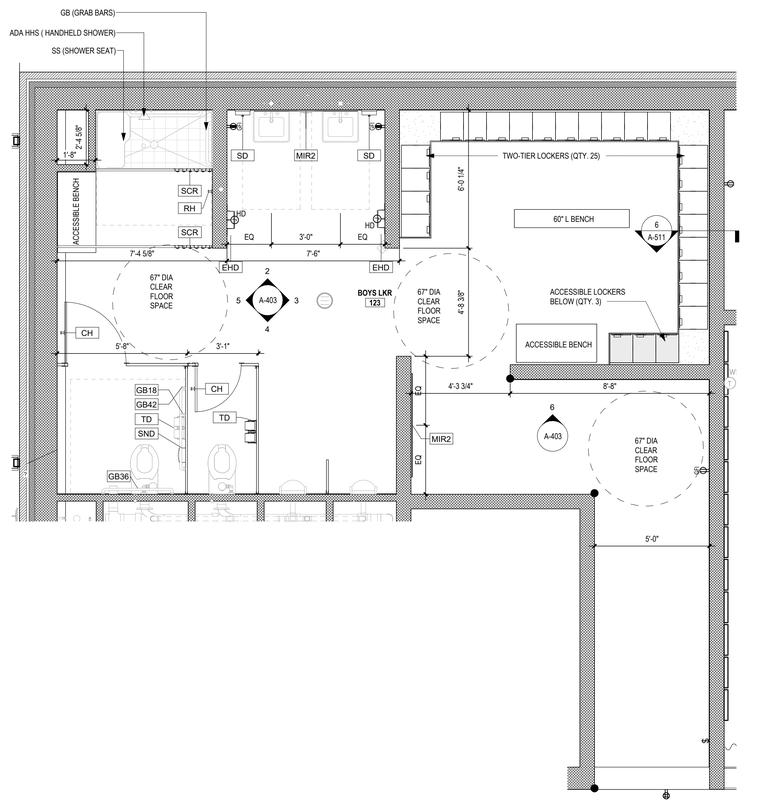

## 4 A-403 INT ELEV - BOYS LKR 123 - SOUTH
SCALE: 3/8" = 1'-0"




## 3 A-403 INT ELEV - BOYS LKR 123 - EAST
SCALE: 3/8" = 1'-0"




## 2 A-403 INT ELEV - BOYS LKR 123 - NORTH
SCALE: 3/8" = 1'-0"




## 1 A-403 ENLGD PLAN - BOYS LKR 121
SCALE: 3/8" = 1'-0"

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CERT. NO. 50676
RALEIGH

Construction Documents

Lenoir County
# EB Frink Middle School
405 North Charles Street La Grange NC, 28551

ENERGY STAR PARTNER

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ISSUE DATE: 02/18/2025
PROJECT #: 02303.000
DRAWN BY: RLH
CHECKED BY: MK

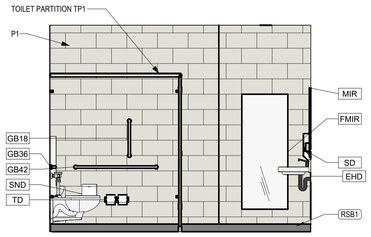
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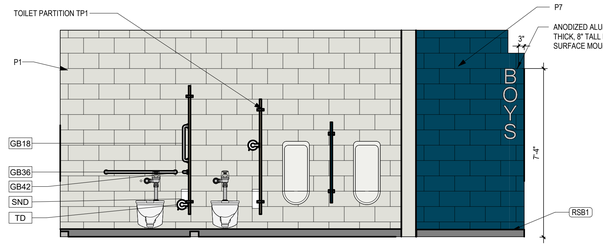
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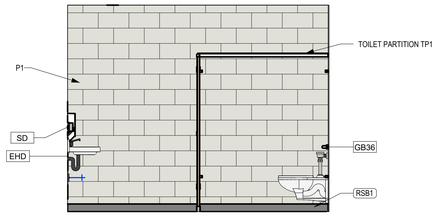
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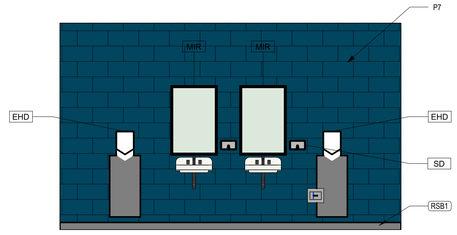

10 A-404 **INT ELEV - BOYS 206 - WEST (218 OPP)**
SCALE: 3/8" = 1'-0"



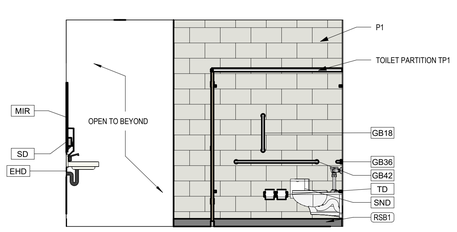

9 A-404 **INT ELEV - BOYS 206 - SOUTH (218 OPP)**
SCALE: 3/8" = 1'-0"



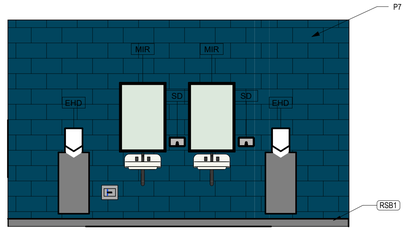

8 A-404 **INT ELEV - BOYS 206 - EAST (218 OPP)**
SCALE: 3/8" = 1'-0"



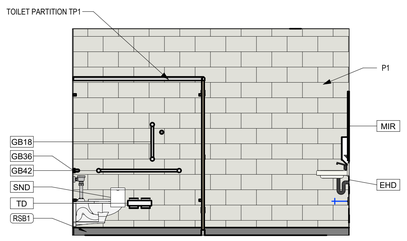

7 A-404 **INT ELEV - BOYS 206 - NORTH (218 OPP)**
SCALE: 3/8" = 1'-0"



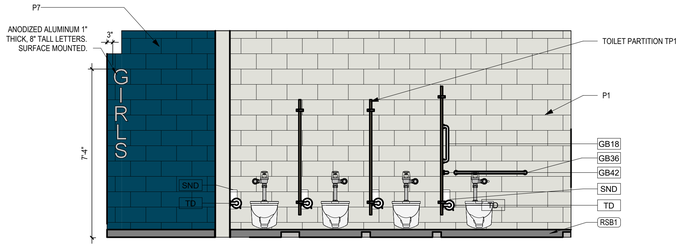

5 A-404 **INT ELEV - GIRLS 207 - WEST (217 OPP)**
SCALE: 3/8" = 1'-0"



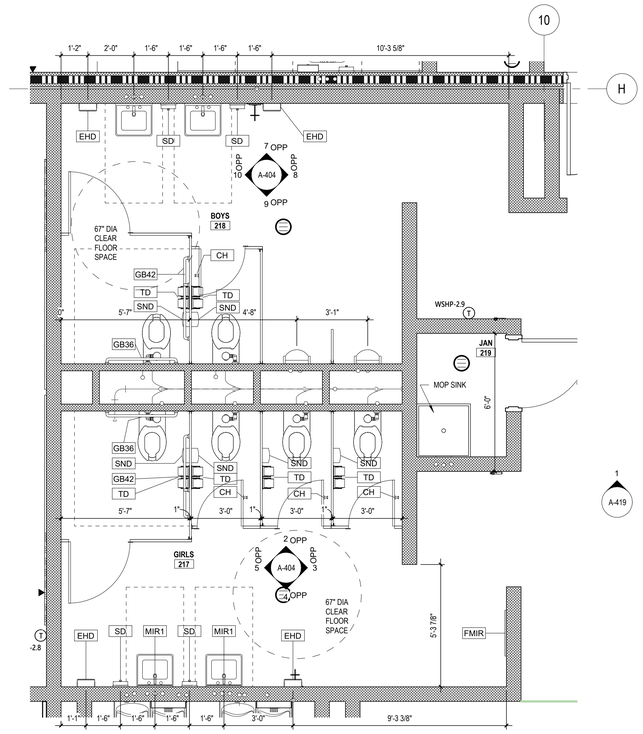

4 A-404 **INT ELEV - GIRLS 207 - SOUTH (217 OPP)**
SCALE: 3/8" = 1'-0"



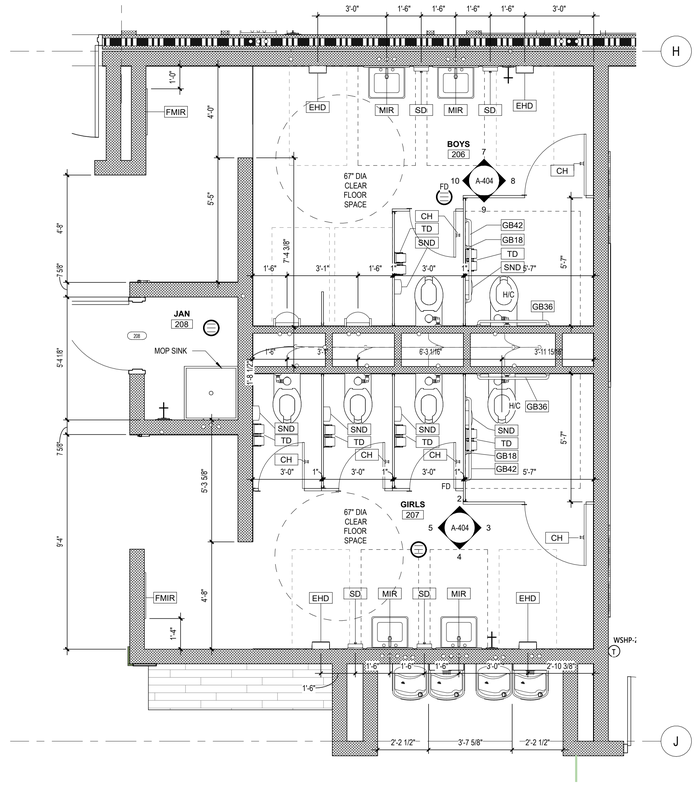

3 A-404 **INT ELEV - GIRLS 207 - EAST (217 OPP)**
SCALE: 3/8" = 1'-0"




2 A-404 **INT ELEV - GIRLS 207 - NORTH (217 OPP)**
SCALE: 3/8" = 1'-0"




6 A-404 **ENLGD TLT PLAN - 217 & 218**
SCALE: 3/8" = 1'-0"




1 A-404 **ENLGD TLT PLAN - AREA 200**
SCALE: 3/8" = 1'-0"

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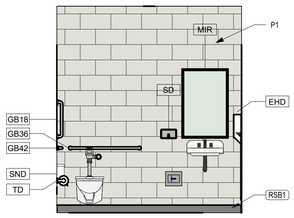
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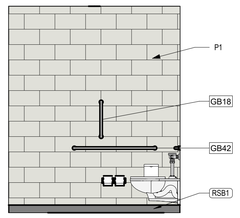
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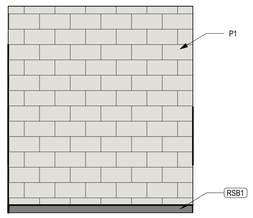
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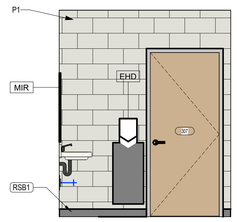

14 A-405 **INT ELEV - STAFF TLT 307 - WEST**
SCALE: 3/8" = 1'-0"



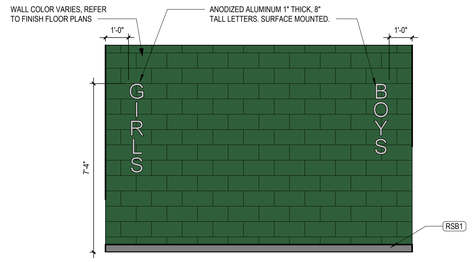

13 A-405 **INT ELEV - STAFF TLT 307 - SOUTH**
SCALE: 3/8" = 1'-0"



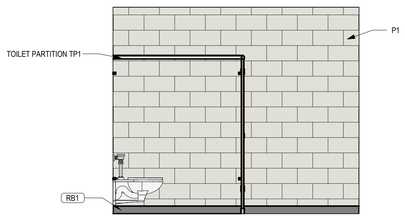

12 A-405 **INT ELEV - STAFF TLT 307 - EAST**
SCALE: 3/8" = 1'-0"



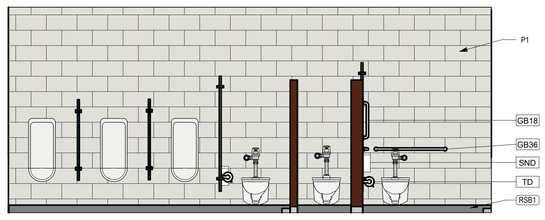

11 A-405 **INT ELEV - STAFF TLT 307 - NORTH**
SCALE: 3/8" = 1'-0"



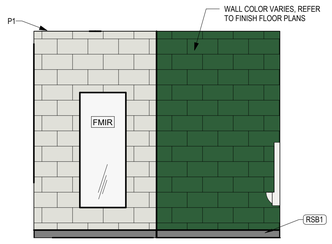

10 A-405 **INT ELEV - GIRLS 308 & BOYS 309 - ENTRY**
SCALE: 3/8" = 1'-0"



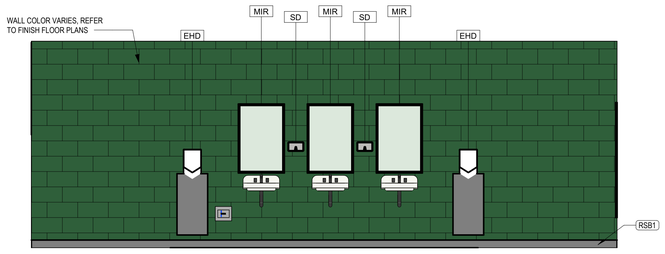

9 A-405 **INT ELEV - BOYS 309 - WEST (408/508 SIM)**
SCALE: 3/8" = 1'-0"



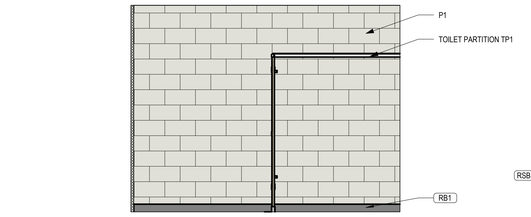

8 A-405 **INT ELEV - BOYS 309 - SOUTH (408/508 SIM)**
SCALE: 3/8" = 1'-0"



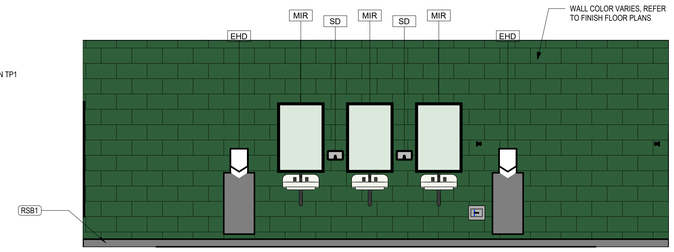

7 A-405 **INT ELEV - BOYS 309 - EAST (408/508 SIM)**
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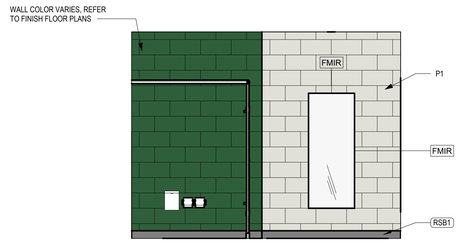

6 A-405 **INT ELEV - BOYS 309 - NORTH (408/508 SIM)**
SCALE: 3/8" = 1'-0"



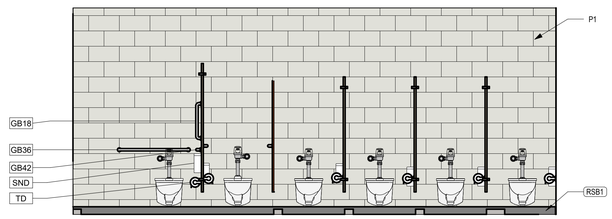

5 A-405 **INT ELEV - GIRLS 308 - WEST (407/507 SIM)**
SCALE: 3/8" = 1'-0"



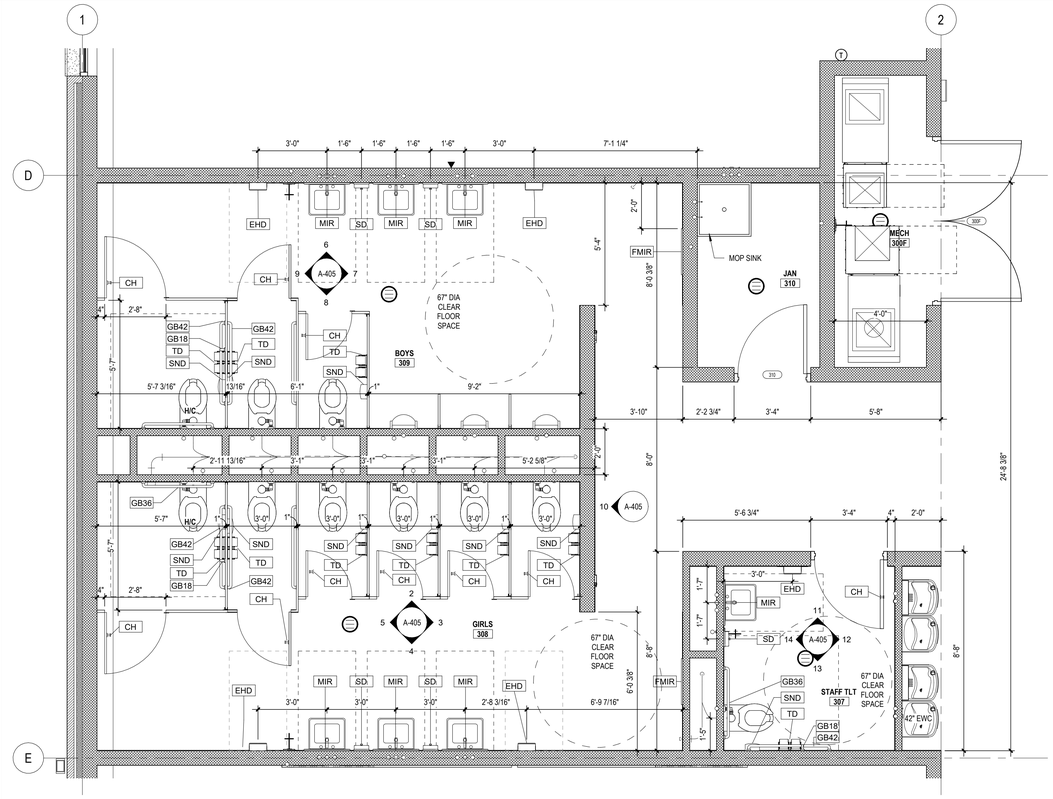

4 A-405 **INT ELEV - GIRLS 308 - SOUTH (407/507 SIM)**
SCALE: 3/8" = 1'-0"




3 A-405 **INT ELEV - GIRLS 308 - EAST (407/507 SIM)**
SCALE: 3/8" = 1'-0"




2 A-405 **INT ELEV - GIRLS 308 - NORTH (407/507 SIM)**
SCALE: 3/8" = 1'-0"




1 A-405 **ENLGD TOILET PLAN-AREA 300 (AREA 400/500 -SIM)**
SCALE: 3/8" = 1'-0"

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CERT. NO. 50676
RENEWAL DATE 12/31/2025
RALEIGH

KEVIN J. LINDSTROM
SEAL 30676
9-12-25
REGISTERED ARCHITECT
FAYETTEVILLE

Construction Documents

Lenoir County
**EB Frink Middle School**
405 North Charles Street La Grange NC, 28551

ENERGY STAR PARTNER

| No. | Date | Description |
|---|---|---|
| 1 | 02/18/2025 | BID SET/AGENCY COM. |

ISSUE DATE: 02/18/2025
PROJECT #: 02303.000
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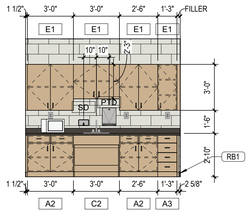
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ENLARGED TOILET PLANS & INTERIOR ELEVATIONS

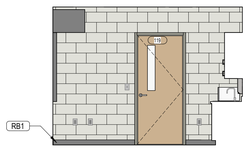
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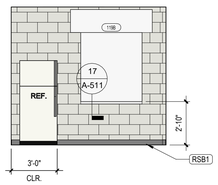
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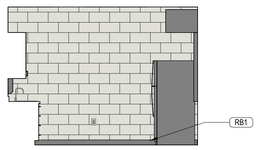

**19 A-410 INT ELEV - CONCS 226 -WEST**
SCALE: 1/4" = 1'-0"



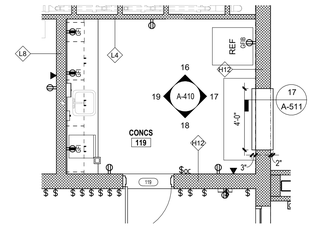

**18 A-410 INT ELEV - CONCS 226 - SOUTH**
SCALE: 1/4" = 1'-0"



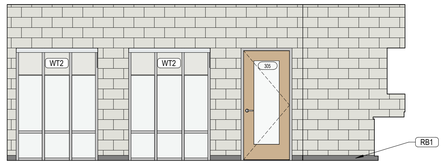

**17 A-410 INT ELEV - CONCS 226 - EAST**
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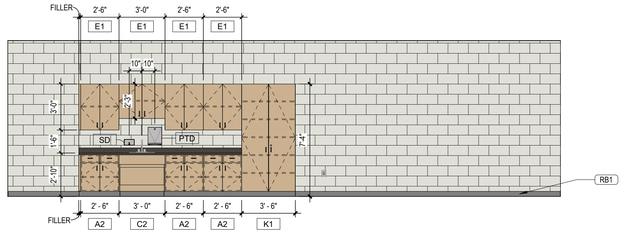

**16 A-410 INT ELEV - CONCS 226 - NORTH**
SCALE: 1/4" = 1'-0"



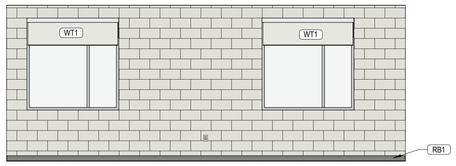

**15 A-410 ENLGD PLAN - CONCS 226**
SCALE: 1/4" = 1'-0"



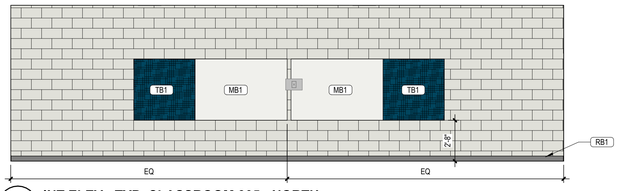

**14 A-410 INT ELEV - TYP. CLASSROOM 305 - EAST**
SCALE: 1/4" = 1'-0"



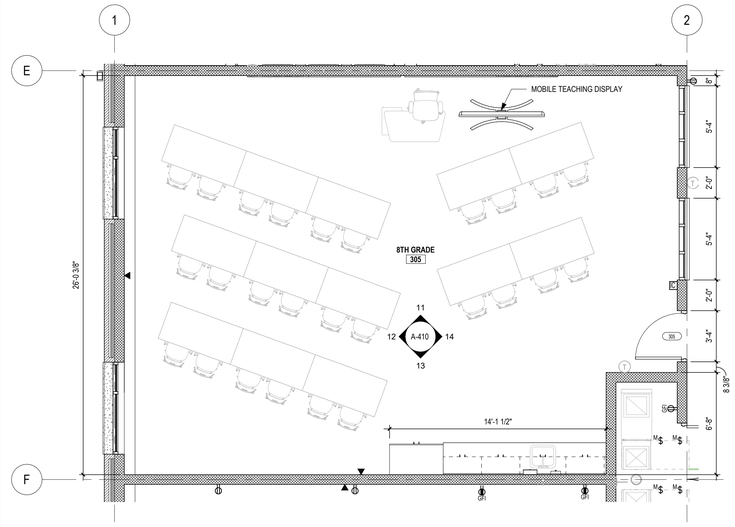

**13 A-410 INT ELEV - TYP. CLASSROOM 305 - SOUTH**
SCALE: 1/4" = 1'-0"



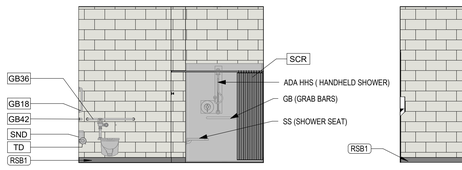

**12 A-410 INT ELEV -TYP. CLASSROOM 305 - WEST**
SCALE: 1/4" = 1'-0"



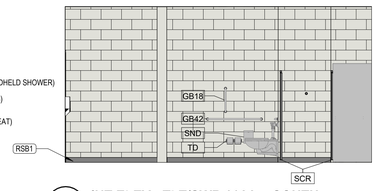

**11 A-410 INT ELEV - TYP. CLASSROOM 305 - NORTH**
SCALE: 1/4" = 1'-0"



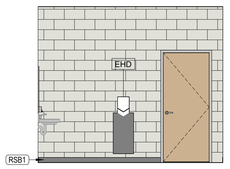

**10 A-410 ENLGD PLAN- TYP. CLASSROOM**
SCALE: 1/4" = 1'-0"



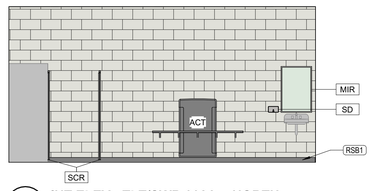

**9 A-410 INT ELEV - TLT/SWR 302A - WEST**
SCALE: 1/4" = 1'-0"



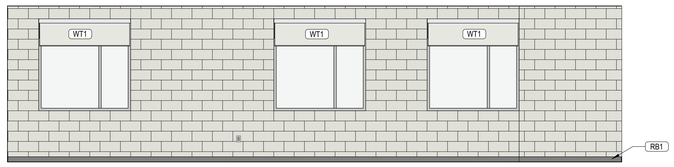

**8 A-410 INT ELEV - TLT/SWR 302A - SOUTH**
SCALE: 1/4" = 1'-0"



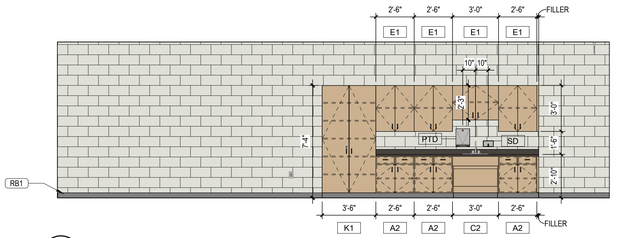

**7 A-410 INT ELEV - TLT/SWR 302A - EAST**
SCALE: 1/4" = 1'-0"



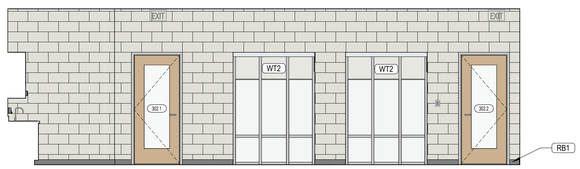

**6 A-410 INT ELEV - TLT/SWR 302A - NORTH**
SCALE: 1/4" = 1'-0"



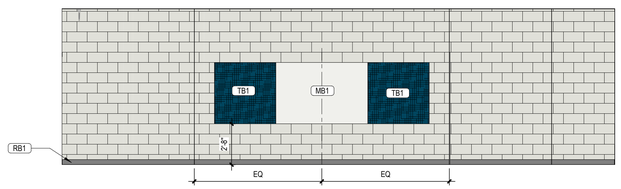

**5 A-410 INT ELEV -EC CLSSRM 302 - EAST**
SCALE: 1/4" = 1'-0"



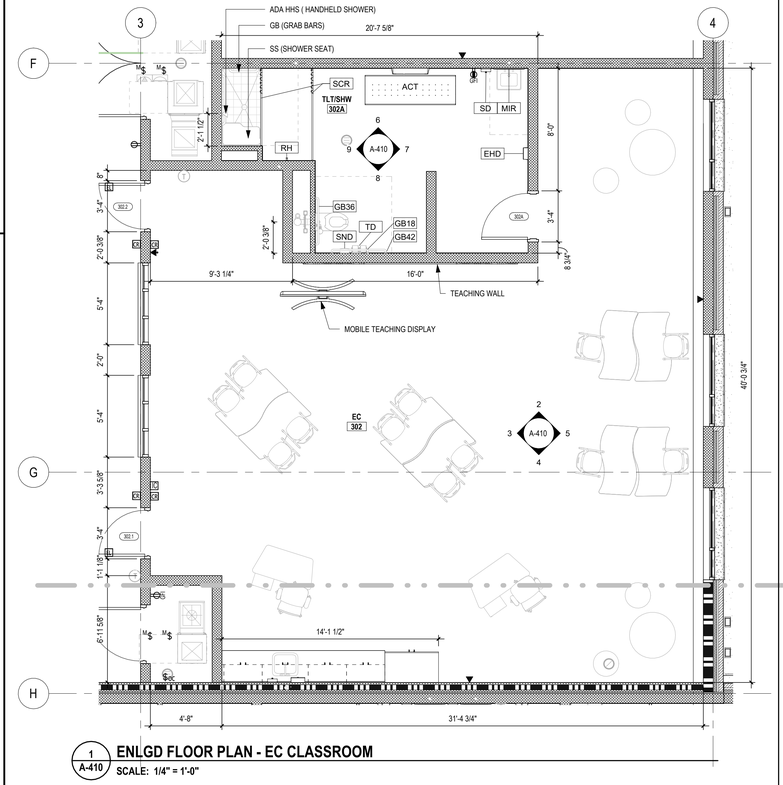

**4 A-410 INT ELEV -EC CLSSRM 302 - SOUTH**
SCALE: 1/4" = 1'-0"




**3 A-410 INT ELEV -EC CLSSRM 302 - WEST**
SCALE: 1/4" = 1'-0"




**2 A-410 INT ELEV -EC CLSSRM 302 - NORTH**
SCALE: 1/4" = 1'-0"




**1 A-410 ENLGD FLOOR PLAN - EC CLASSROOM**
SCALE: 1/4" = 1'-0"

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Construction Documents

Lenoir County
# EB Frink Middle School
405 North Charles Street La Grange NC, 28551

ENERGY STAR PARTNER

| No. | Date | Description |
|---|---|---|
| 1 | 02/18/2025 | BID SET/AGENCY COM. |

ISSUE DATE: 02/18/2025
PROJECT #: 02303.000
DRAWN BY: RLH
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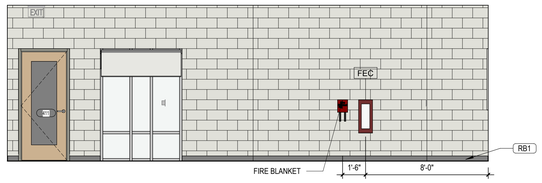
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ENLARGED PLANS & INTERIOR ELEVATIONS

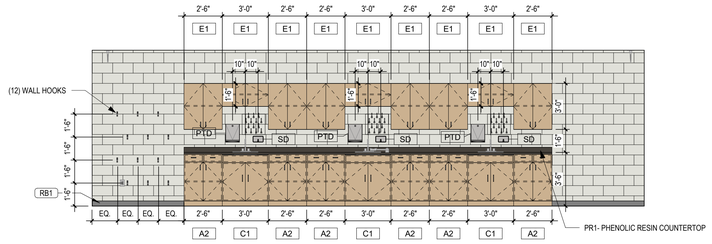
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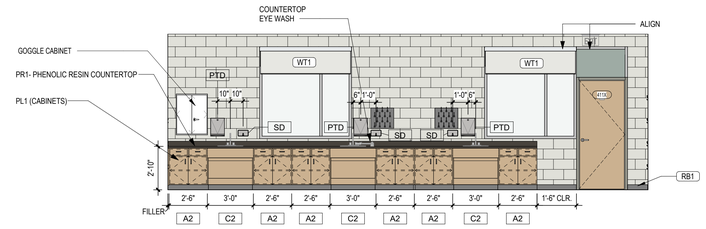
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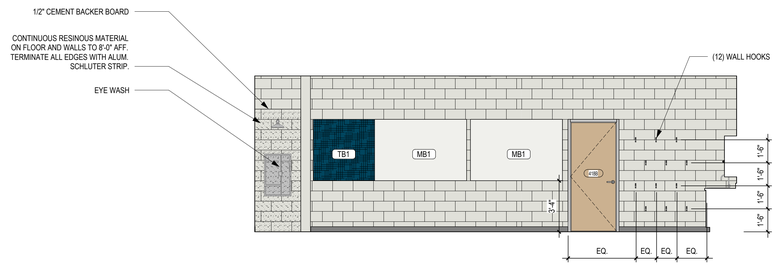

## 9 A-411 INT ELEV - TYP. SCIENCE CLASSROOM - WEST
SCALE: 1/4" = 1'-0"



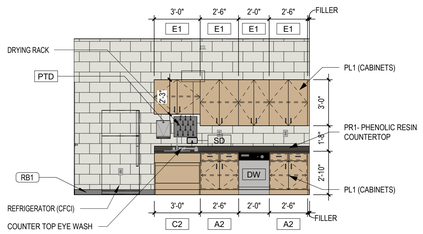

## 8 A-411 INT ELEV - TYP. SCIENCE CLASSROOM - SOUTH
SCALE: 1/4" = 1'-0"



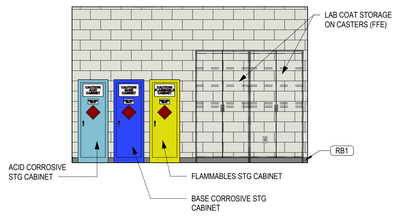

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SCALE: 1/4" = 1'-0"



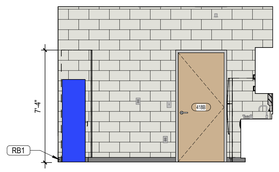

## 6 A-411 INT ELEV - TYP. SCIENCE CLASSROOM - NORTH
SCALE: 1/4" = 1'-0"



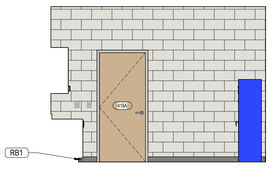

## 5 A-411 INT. ELEVATIONS - TYP SCIENCE PREP ROOM WEST
SCALE: 1/4" = 1'-0"



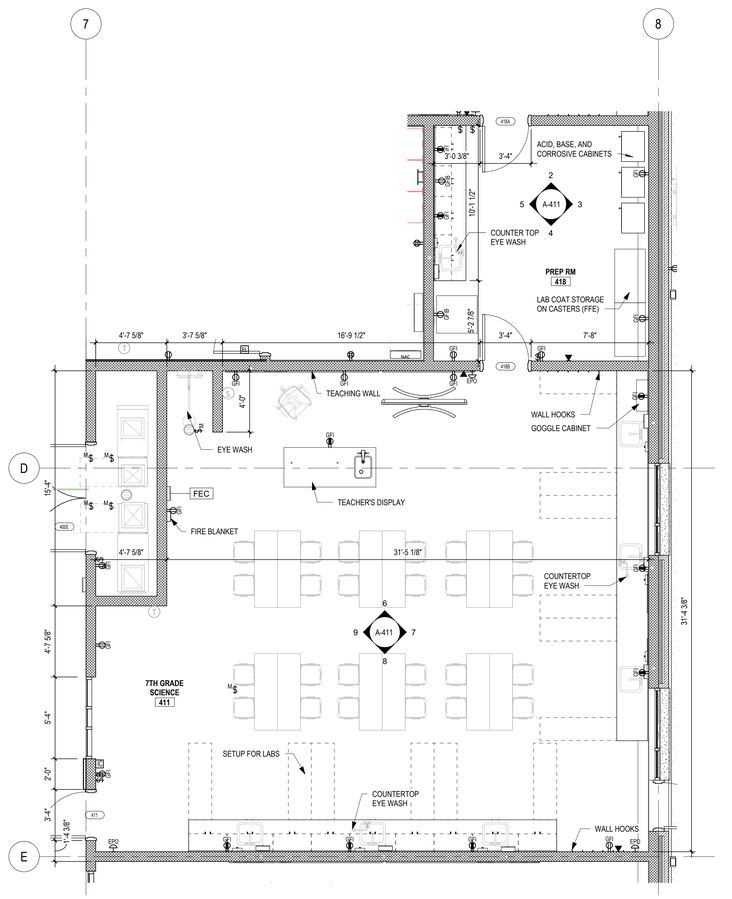

## 3 A-411 INT. ELEVATIONS - TYP SCIENCE PREP ROOM EAST
SCALE: 1/4" = 1'-0"




## 4 A-411 INT. ELEVATIONS - TYP SCIENCE PREP ROOM SOUTH
SCALE: 1/4" = 1'-0"




## 2 A-411 INT. ELEVATIONS - TYP SCIENCE PREP ROOM NORTH
SCALE: 1/4" = 1'-0"




## 1 A-411 ENLARGED PLAN - TYP SCIENCE CLASSROOMS
SCALE: 1/4" = 1'-0"

## ENLARGED SCIENCE LAB FLOOR PLAN LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| | 1 HR RATED (FIRE BARRIER) |
| | 2 HOUR RATED WALL |
| TW | TEACHING WALL - SEE SHEET 401 |
| CJ | CONTROL JOINT - SEE DETAIL A-010 |
| FD | FLOOR DRAIN - SEE PLUMBING DRAWINGS |
| W2 | STOREFRONT (CURTAIN WALL) TAG - SEE SHEET A-611 AND FLOOR PLANS |
| | WINDOW TAG - SEE SHEET A-611 AND FLOOR PLANS |
| 100 | DOOR TAG - SEE SHEET A-601 AND FLOOR PLANS |

## GENERAL NOTES:

1. ALL FINISHES IN FAMILY SCIENCE CLASSROOMS TO BE HEALTH GRADE FINISHES. REFER TO FINISH PLAN FOR SPECIFICATION.
2. ALL SCIENCE LAB AND PREP ROOM CASEWORK TO BE WOOD WITH EPOXY RESIN COUNTERTOPS WITH 4" BACKSPLASH WHICH ARE RESISTANT TO CHEMICALS. REFER TO SPECIFICATIONS AND INTERIOR FINISH LEGEND FOR ADDITIONAL INFORMATION.
3. ALL PREP ROOM TALL STORAGE CABINETS TO BE VENTED & LOCKABLE & LABELED AS SUCH.
4. SEE PLUMBING DRAWINGS FOR SEDIMENT FILTERS AND ACID NEUTRALIZATION SYSTEM. TO BE PROVIDED BY MILLWORK CONTRACTOR.
5. GENERAL CONTRACTOR TO PROVIDE ALL SCIENCE CLASSROOMS WITH THE SAFETY EQUIPMENT BELOW AND TO BE STORED IN THE SCIENCE ROOM AND/OR PREP ROOM:
   - -FIRE BLANKET (ONE PER CLASSROOM)
   - -CHEMICAL & FIRE-RESISTANT APRONS/LAB COATS (ONE PER STUDENT)
   - -FIRE EXTINGUISHER-ABC (ONE PER ROOM)
   - -SPILL CONTROL CENTER
   - -SAFETY SHIELDS (ONE PER STUDENT)
   - -GOGGLES AND GOGGLE SANITIZER (ONE PER STUDENT)
   - -HEAT & ACID RESISTANT GLOVES (ONE PER STUDENT)
   - -SAFETY/CHMICAL INVENTORY SOFTWARE
   - -BROKEN GLASS DISPOSAL CONTAINER
   - -COAT & BACKPACK HOOKS (TO BE LOCATED ON EACH STUDENT DESK & PROVIDED BY FURNITURE VENDOR)

## ENLARGED SCIENCE LAB PLANS & ELEVATIONS SCHEDULE

WALL HOOKS

FIRE EXTINGUISHER CABINET

FIRE BLANKET CABINET - BOD: NYSTROM BC-6601

EYE WASH

FUME HOOD

FLAMMABLES STORAGE CABINET

ACID CORROSIVE STORAGE CABINET

REFRIGERATOR

DISHWASHER (REF. INTERIOR SIGNAGE DETAILS FOR REQ'D SIGNAGE)

GOGGLE CABINET (OFOI)

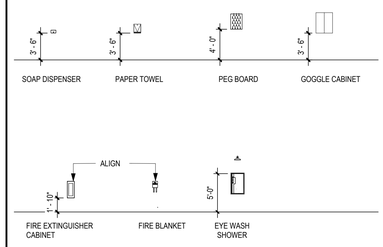
DRYING RACK (OFOI)

TEACHER'S DISPLAY (OFOI) PLUMBING, ELECTRIC, AND ACCESSORIES (CFCI)

LAB COAT STORAGE

BASE CORROSIVE STORAGE CABINET

## SCIENCE LAB EQUIPMENT MOUNTING HEIGHT LEGEND




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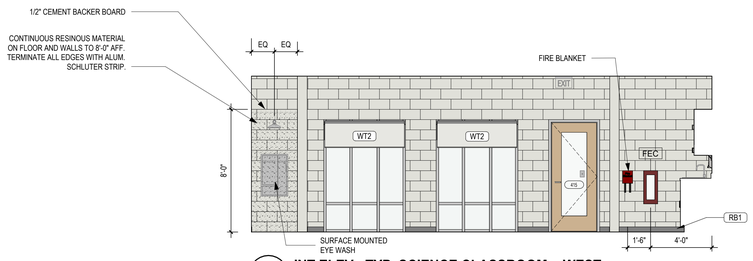
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ENLARGED PLANS & INTERIOR ELEVATIONS - SCIENCE LABS

A-411

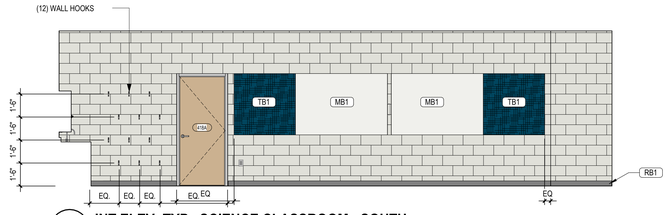
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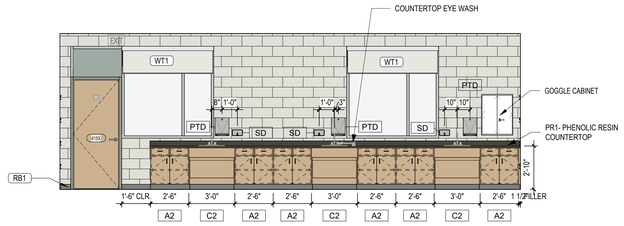

5 A-412 **INT ELEV - TYP. SCIENCE CLASSROOM - WEST**

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



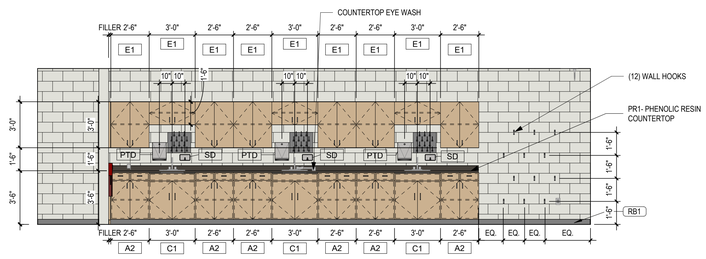

4 A-412 **INT ELEV -TYP. SCIENCE CLASSROOM - SOUTH**

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



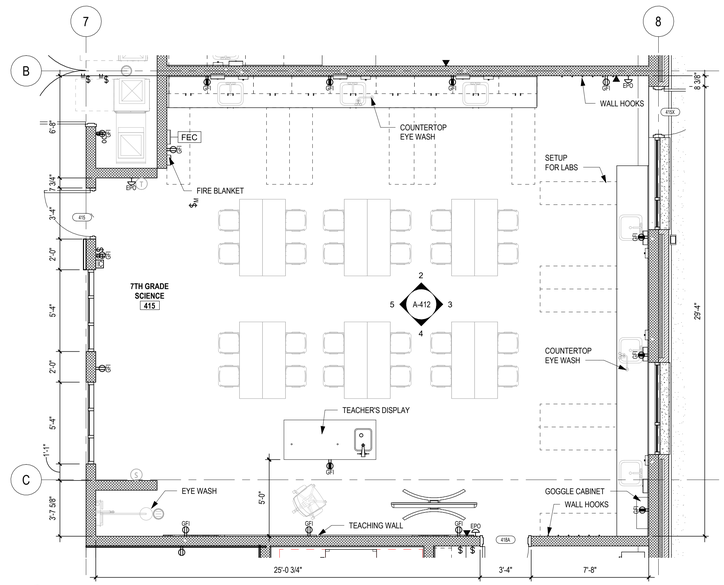

3 A-412 **INT ELEV - TYP. SCIENCE CLASSROOM - EAST**

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




2 A-412 **INT ELEV - TYP. SCIENCE CLASSROOM - NORTH**

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




1 A-412 **ENLARGED PLAN - TYP SCIENCE CLASSROOMS**

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

## ENLARGED SCIENCE LAB FLOOR PLAN LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| | 1 HR RATED (FIRE BARRIER) |
| | 2 HOUR RATED WALL |
| TW | TEACHING WALL - SEE SHEET 401 |
| CJ | CONTROL JOINT - SEE DETAIL A-010 |
| FD | FLOOR DRAIN - SEE PLUMBING DRAWINGS |
| W2 | STOREFRONT (CURTAIN WALL) TAG - SEE SHEET A-611 AND FLOOR PLANS |
| | WINDOW TAG - SEE SHEET A-611 AND FLOOR PLANS |
| 100 | DOOR TAG - SEE SHEET A-601 AND FLOOR PLANS |

## GENERAL NOTES:

1. ALL FINISHES IN FAMILY SCIENCE CLASSROOMS TO BE HEALTH GRADE FINISHES. REFER TO FINISH PLAN FOR SPECIFICATION.
2. ALL SCIENCE LAB AND PREP ROOM CASEWORK TO BE WOOD WITH EPOXY RESIN COUNTERTOPS WITH 4" BACKSPLASH WHICH ARE RESISTANT TO CHEMICALS. REFER TO SPECIFICATIONS AND INTERIOR FINISH LEGEND FOR ADDITIONAL INFORMATION.
3. ALL PREP ROOM TALL STORAGE CABINETS TO BE VENTED & LOCKABLE & LABELED AS SUCH.
4. SEE PLUMBING DRAWINGS FOR SEDIMENT FILTERS AND ACID NEUTRALIZATION SYSTEM. TO BE PROVIDED BY MILLWORK CONTRACTOR.
5. GENERAL CONTRACTOR TO PROVIDE ALL SCIENCE CLASSROOMS WITH THE SAFETY EQUIPMENT BELOW AND TO BE STORED IN THE SCIENCE ROOM AND/OR PREP ROOM:
   - -FIRE BLANKET (ONE PER CLASSROOM)
   - -CHEMICAL & FIRE-RESISTANT APRONS/LAB COATS (ONE PER STUDENT)
   - -FIRE EXTINGUISHER-ABC (ONE PER ROOM)
   - -SPILL CONTROL CENTER
   - -SAFETY SHIELDS (ONE PER STUDENT)
   - -GOGGLES AND GOGGLE SANITIZER (ONE PER STUDENT)
   - -HEAT & ACID RESISTANT GLOVES (ONE PER STUDENT)
   - -SAFETY/CHMICAL INVENTORY SOFTWARE
   - -BROKEN GLASS DISPOSAL CONTAINER
   - -COAT & BACKPACK HOOKS (TO BE LOCATED ON EACH STUDENT DESK & PROVIDED BY FURNITURE VENDOR)

## ENLARGED SCIENCE LAB PLANS & ELEVATIONS SCHEDULE

WALL HOOKS

FIRE EXTINGUISHER CABINET

FIRE BLANKET CABINET - BOD: NYSTROM BC-6601

EYE WASH

FUME HOOD

FLAMMABLES STORAGE CABINET

ACID CORROSIVE STORAGE CABINET

REFRIGERATOR

DISHWASHER (REF. INTERIOR SIGNAGE DETAILS FOR REQ'D SIGNAGE)

GOGGLE CABINET (OFOI)

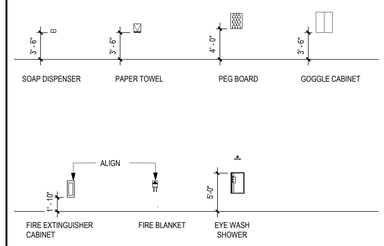
DRYING RACK (OFOI)

TEACHER'S DISPLAY (OFOI) PLUMBING, ELECTRIC, AND ACCESSORIES (CFCI)

LAB COAT STORAGE

BASE CORROSIVE STORAGE CABINET

## SCIENCE LAB EQUIPMENT MOUNTING HEIGHT LEGEND




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RALEIGH, NORTH CAROLINA

Construction Documents

Lenoir County
**EB Frink Middle School**
405 North Charles Street La Grange NC, 28551

ENERGY STAR PARTNER

| No. | Date | Description |
|---|---|---|
| 1 | 02/18/2025 | BID SET/AGENCY COM. |

ISSUE DATE: 02/18/2025

PROJECT #: 02303.000
DRAWN BY: RLH
CHECKED BY: MK

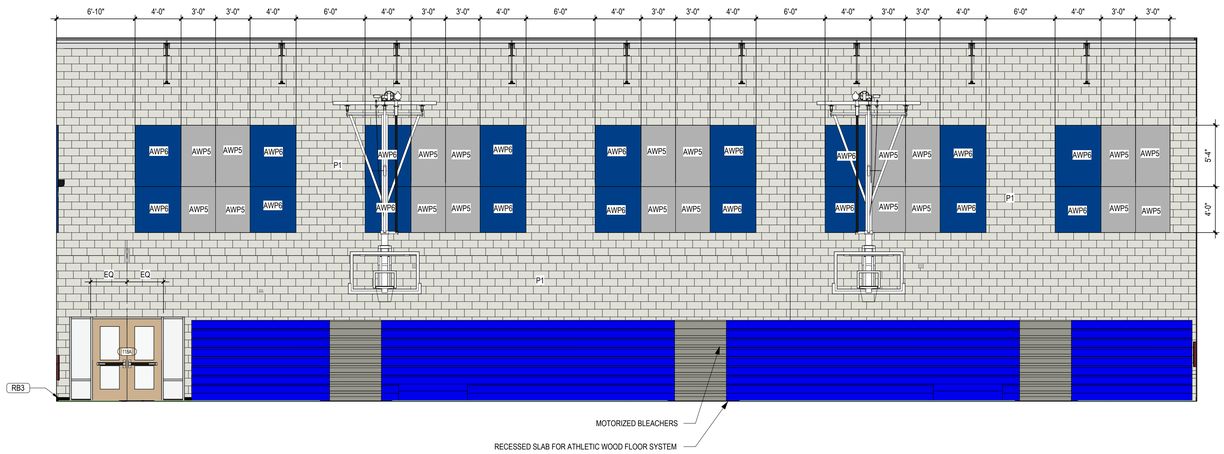
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ENLARGED PLANS & INTERIOR ELEVATIONS - SCIENCE LABS

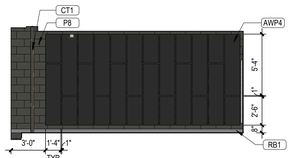
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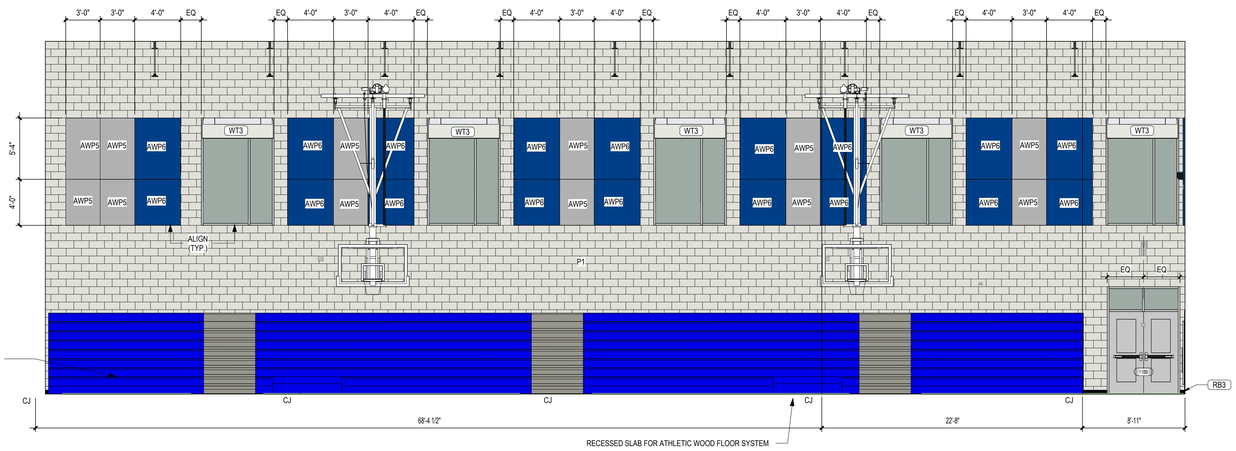
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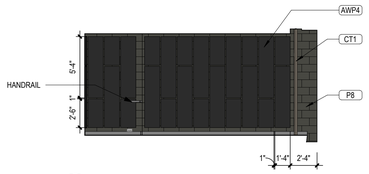

7 A-413 **INT ELEV - GYM - EAST**
SCALE: 3/16" = 1'-0"




6 A-413 **INT ELEV- PLATFORM WEST**
SCALE: 3/16" = 1'-0"



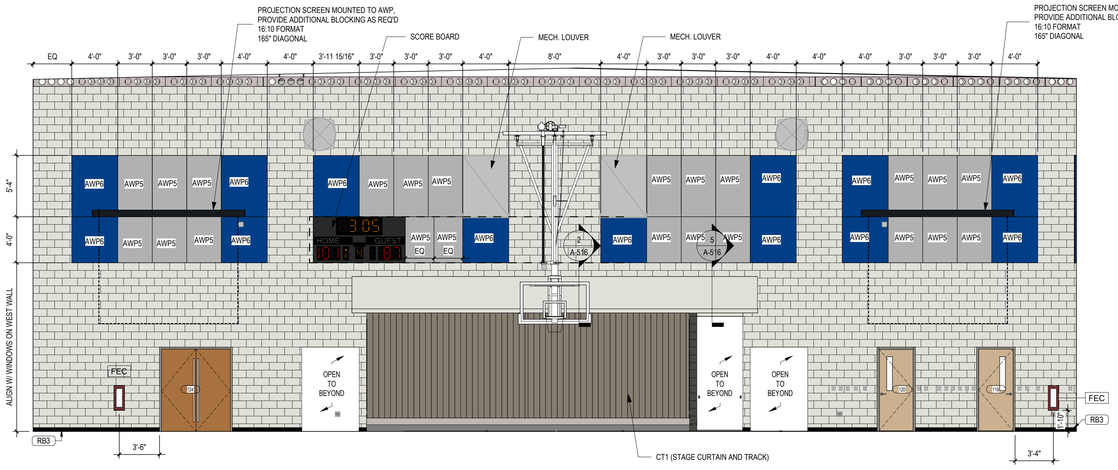

3 A-413 **INT ELEV - GYM - WEST**
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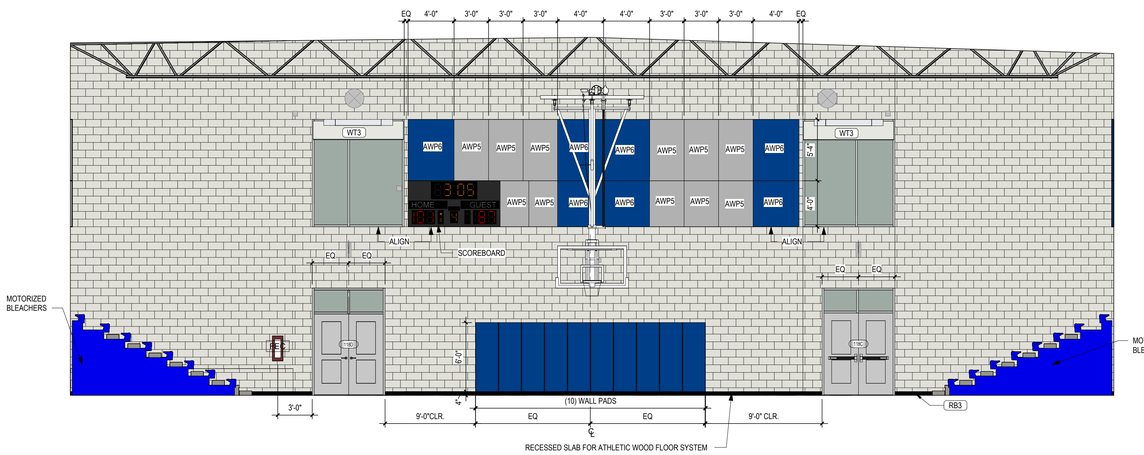

5 A-413 **INT ELEV- PLATFORM EAST**
SCALE: 3/16" = 1'-0"




4 A-413 **INT ELEV - PLATFORM -NORTH**
SCALE: 3/16" = 1'-0"




2 A-413 **INT ELEV - GYM - NORTH**
SCALE: 3/16" = 1'-0"




1 A-413 **INT ELEV - GYM - SOUTH**
SCALE: 3/16" = 1'-0"

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Construction Documents

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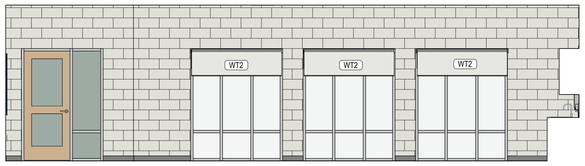
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INTERIOR ELEVATIONS - GYM

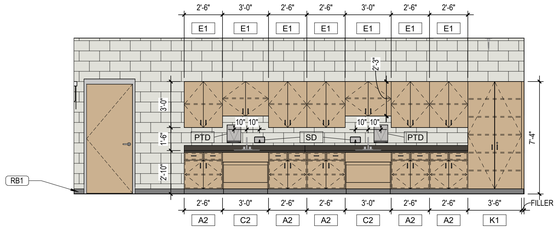
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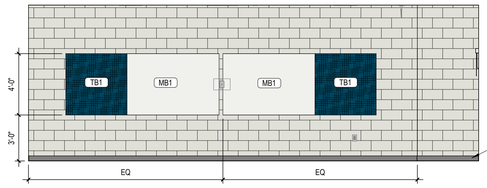
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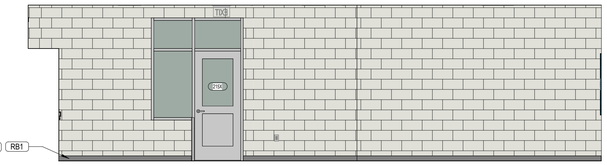

18 A-414 **INT ELEV - ART 215 - SOUTH**
SCALE: 1/4" = 1'-0"



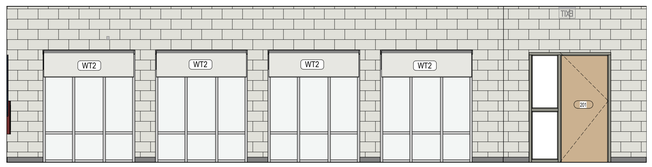

17 A-414 **INT ELEV - ART 215 - WEST**
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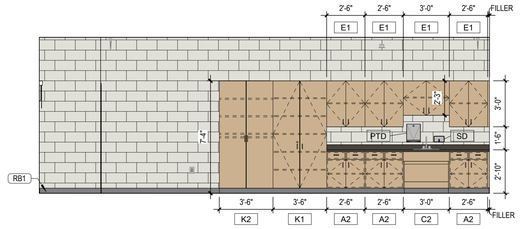

16 A-414 **INT ELEV - ART 215 - EAST**
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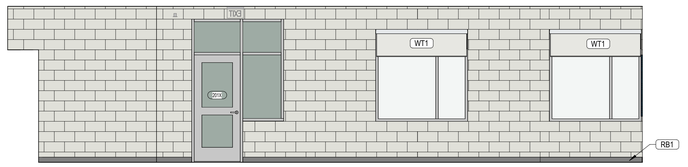

15 A-414 **INT ELEV - ART 215 - NORTH**
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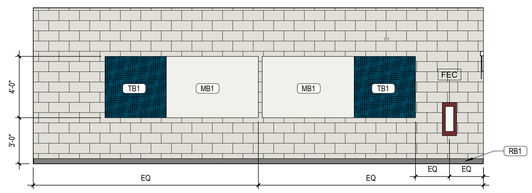

14 A-414 **INT ELEV - HEALTH/PE 201 - SOUTH**
SCALE: 1/4" = 1'-0"




13 A-414 **INT ELEV - HEALTH/PE 201 - WEST**
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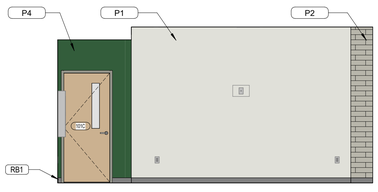

12 A-414 **INT ELEV - HEALTH/PE 201 - NORTH**
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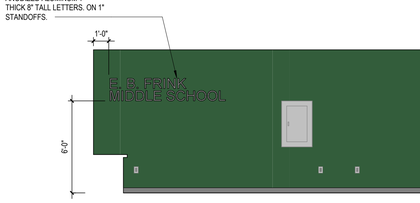

11 A-414 **INT ELEV - HEALTH/PE 201 - EAST**
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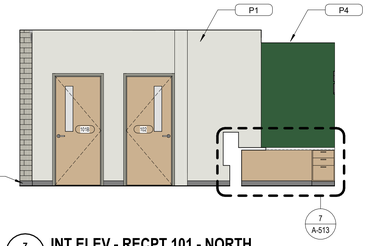

10 A-414 **INT ELEV - RECPT 101 - WEST**
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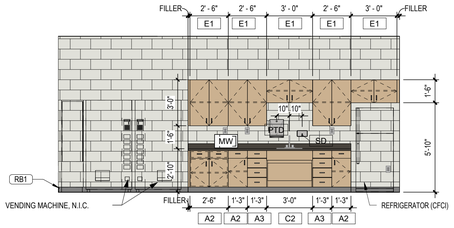

9 A-414 **INT ELEV - RECPT 101 - SOUTH**
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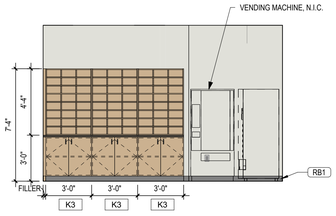

8 A-414 **INT ELEV - RECPT 101 - EAST**
SCALE: 1/4" = 1'-0"



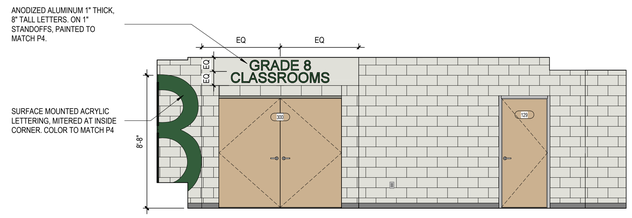

7 A-414 **INT ELEV - RECPT 101 - NORTH**
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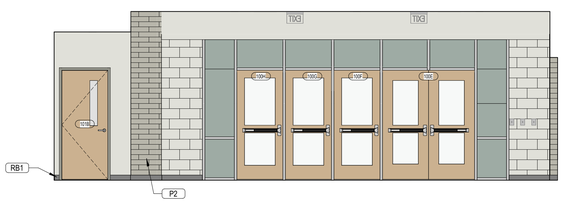

6 A-414 **INT ELEV - MAILROOM 115 - NORTH**
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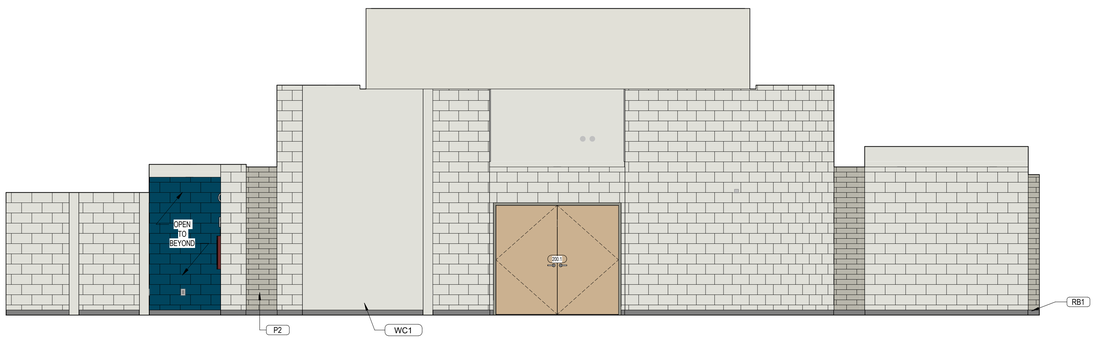

5 A-414 **INT ELEV - MAILROOM 115 - WEST**
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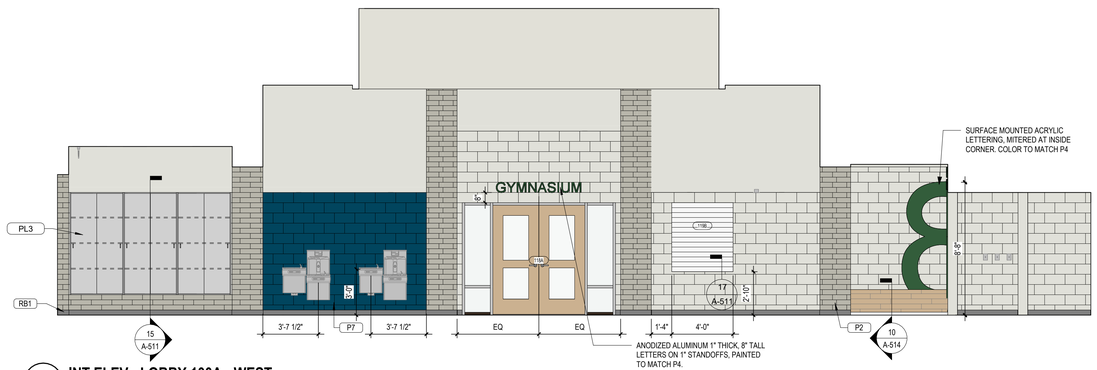

4 A-414 **INT ELEV - LOBBY 100A - NORTH**
SCALE: 1/4" = 1'-0"




3 A-414 **INT ELEV - LOBBY 100A - SOUTH**
SCALE: 1/4" = 1'-0"




2 A-414 **INT ELEV - LOBBY 100A - EAST**
SCALE: 1/4" = 1'-0"




1 A-414 **INT ELEV - LOBBY 100A - WEST**
SCALE: 1/4" = 1'-0"

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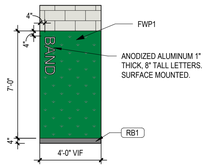
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INTERIOR ELEVATIONS - AREA 100/200

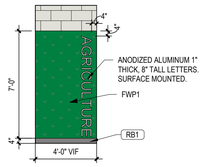
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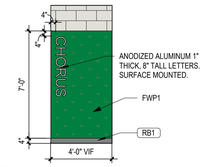
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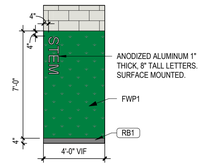

12 A-415 **INT ELEV - BAND 605 - ENTRY**
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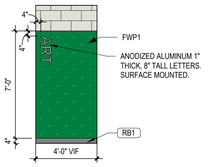

11 A-415 **INT ELEV - AGRI LAB 606 - ENTRY**
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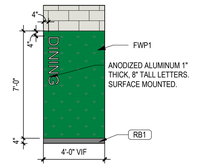

10 A-415 **INT ELEV - CHORUS 604 - ENTRY**
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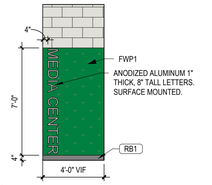

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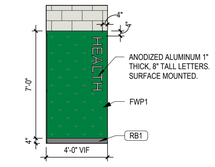

8 A-415 **INT ELEV - ART 215 - ENTRY**
SCALE: 1/4" = 1'-0"



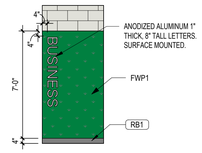

7 A-415 **INT ELEV - DINING 212 - ENTRY**
SCALE: 1/4" = 1'-0"



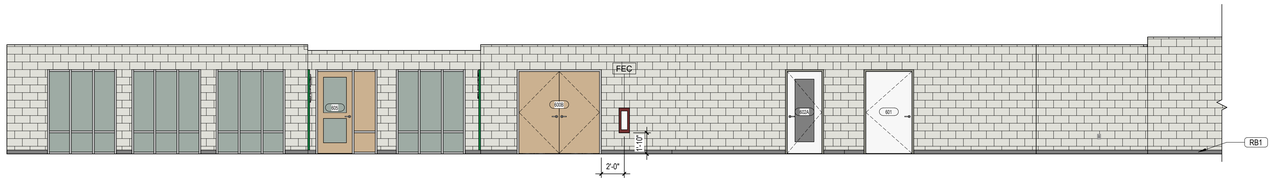

6 A-415 **INT ELEV - MEDIA 204 - ENTRY**
SCALE: 1/4" = 1'-0"



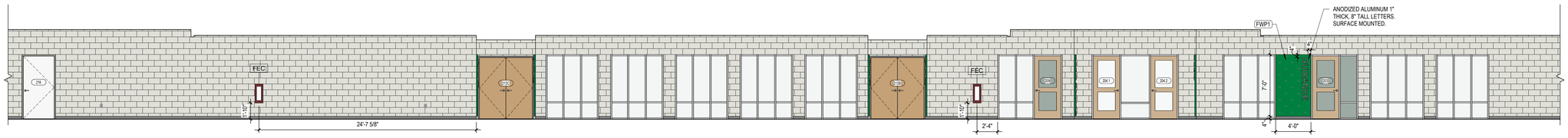

5 A-415 **INT ELEV - HEALTH 201 - ENTRY**
SCALE: 1/4" = 1'-0"



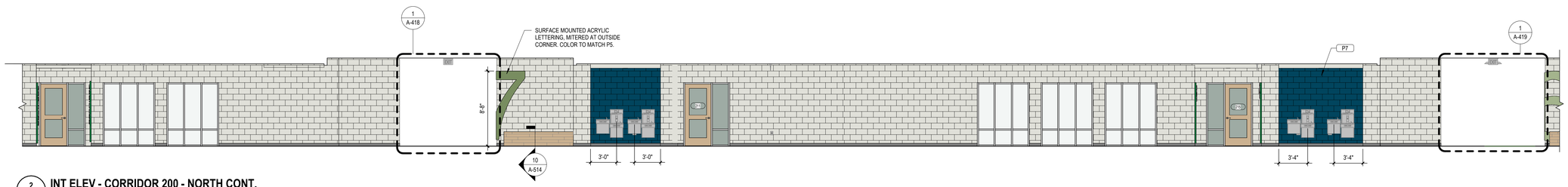

13 A-415 **INT ELEV - BUSINESS EDU ENTRY**
SCALE: 1/4" = 1'-0"



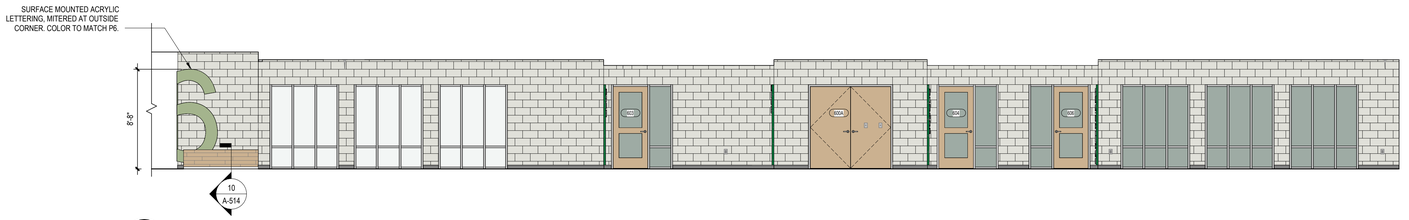

4 A-415 **INT ELEV - CORRIDOR 200 - SOUTH CONT.**
SCALE: 3/16" = 1'-0"




3 A-415 **INT ELEV - CORRIDOR 200 - SOUTH**
SCALE: 3/16" = 1'-0"




2 A-415 **INT ELEV - CORRIDOR 200 - NORTH CONT.**
SCALE: 3/16" = 1'-0"




1 A-415 **INT ELEV - CORRIDOR 200 - NORTH**
SCALE: 3/16" = 1'-0"

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ARCHITECT
RALEIGH

Construction Documents

Lenoir County
# EB Frink Middle School
405 North Charles Street La Grange NC, 28551

ENERGY STAR PARTNER

| No. | Date | Description |
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| 1 | 02/18/2025 | BID SET/AGENCY COM. |

ISSUE DATE: 02/18/2025
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DRAWN BY: RLH
CHECKED BY: MK

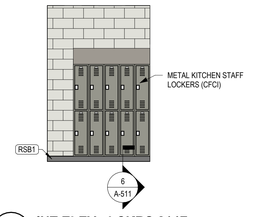
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INTERIOR ELEVATIONS - AREA 200

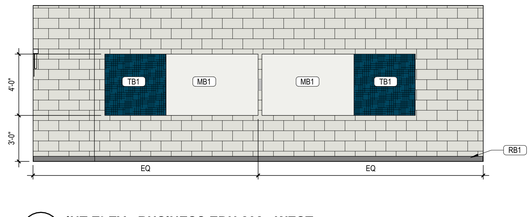
A-415

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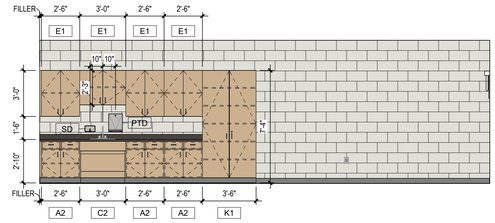

13 A-416 **INT ELEV - LCKRS 214F**
SCALE: 1/4" = 1'-0"



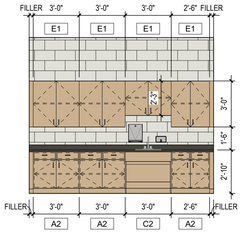

12 A-416 **INT ELEV - BUSINESS EDU 202 - WEST**
SCALE: 1/4" = 1'-0"



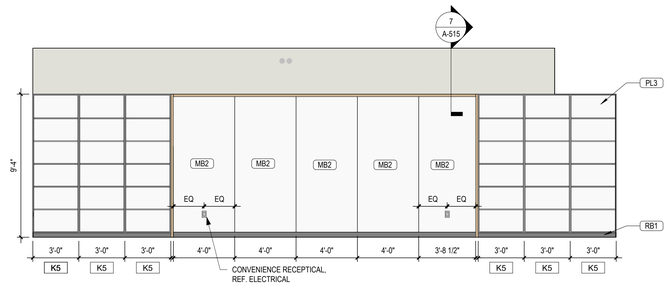

11 A-416 **INT ELEV - BUSINESS EDU 202 - SOUTH**
SCALE: 1/4" = 1'-0"



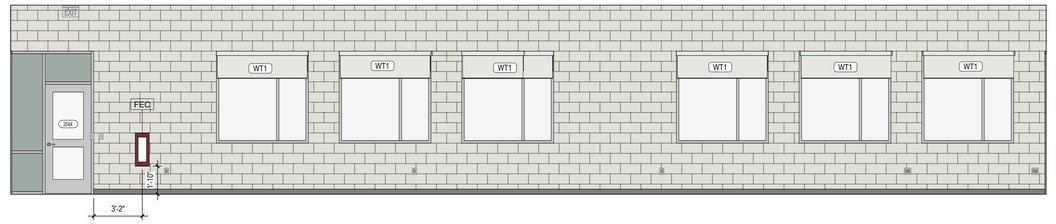

10 A-416 **INT ELEV - BUSINESS EDU 202 - EAST**
SCALE: 1/4" = 1'-0"



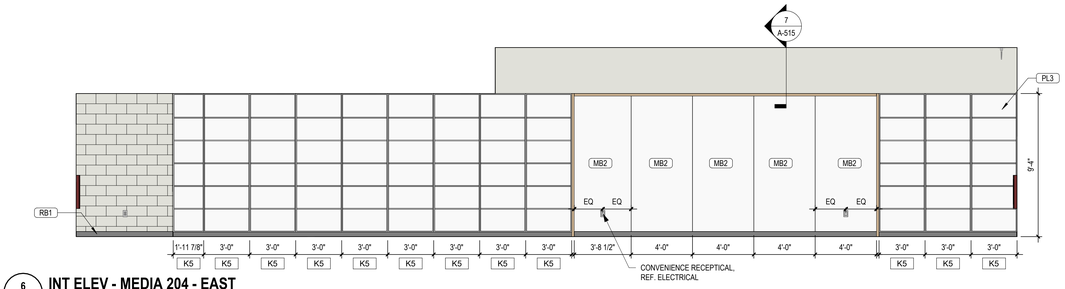

9 A-416 **MEDIA WKRM 204A**
SCALE: 1/4" = 1'-0"



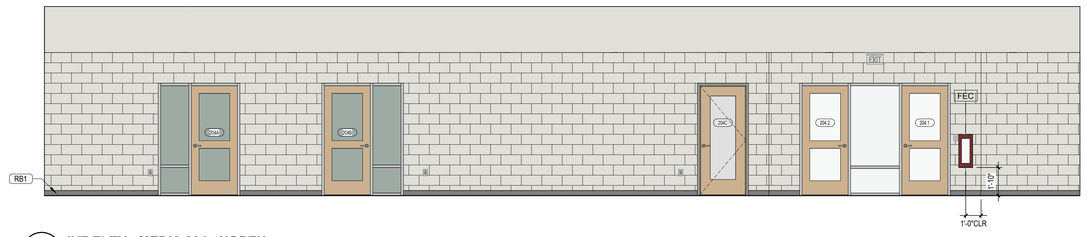

8 A-416 **INT ELEV - MEDIA 204 - WEST**
SCALE: 1/4" = 1'-0"



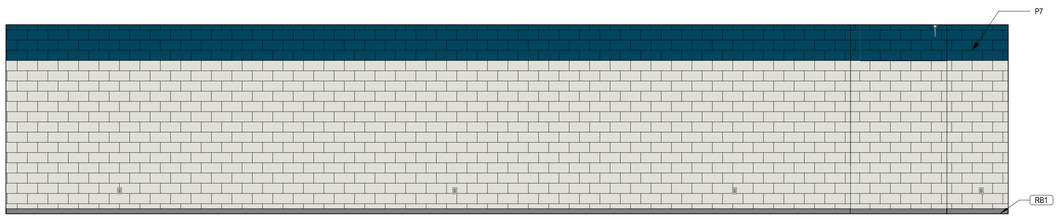

7 A-416 **INT ELEV - MEDIA 204 - SOUTH**
SCALE: 1/4" = 1'-0"



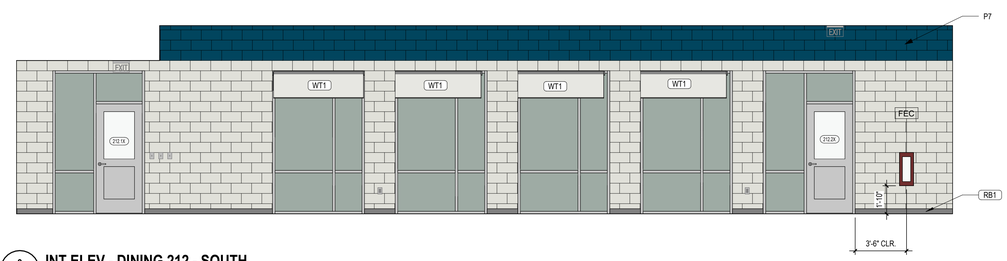

6 A-416 **INT ELEV - MEDIA 204 - EAST**
SCALE: 1/4" = 1'-0"



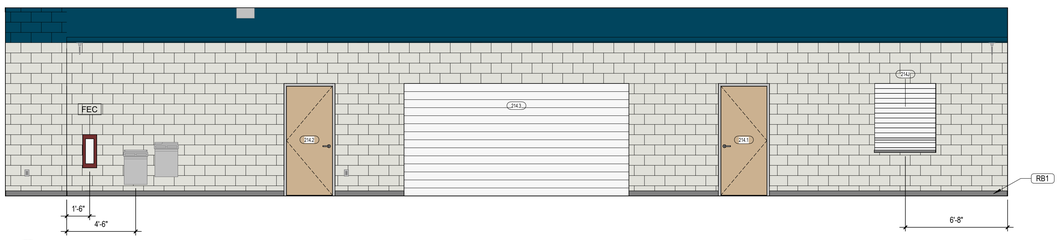

5 A-416 **INT ELEV - MEDIA 204 - NORTH**
SCALE: 1/4" = 1'-0"



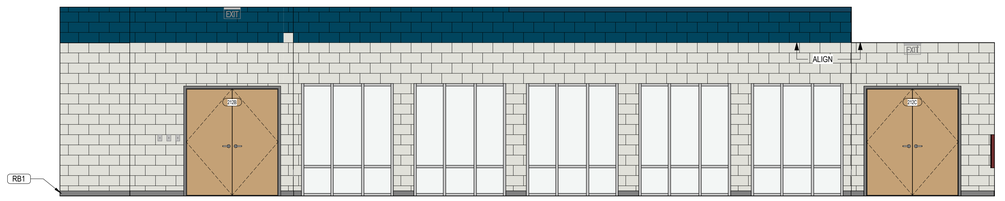

4 A-416 **INT ELEV - DINING 212 - WEST**
SCALE: 1/4" = 1'-0"




3 A-416 **INT ELEV - DINING 212 - EAST**
SCALE: 1/4" = 1'-0"




2 A-416 **INT ELEV - DINING 212 - NORTH**
SCALE: 1/4" = 1'-0"




1 A-416 **INT ELEV - DINING 212 - NORTH**
SCALE: 1/4" = 1'-0"

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Construction Documents

Lenoir County
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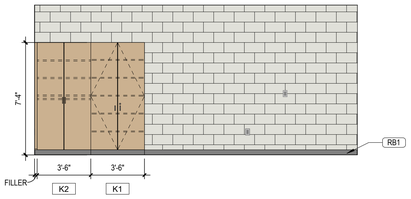
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INTERIOR ELEVATIONS - AREA 200

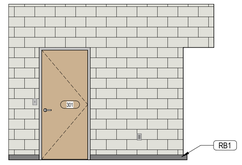
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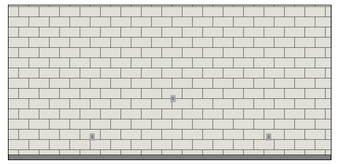
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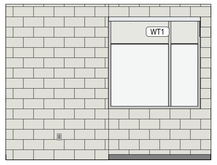

10 A-417 **INT ELEV - SENSORY RM 301 - SOUTH**
SCALE: 1/4" = 1'-0"




9 A-417 **INT ELEV - SENSORY RM 301 - EAST**
SCALE: 1/4" = 1'-0"



8 A-417 **INT ELEV - SENSORY RM 301 - NORTH**
SCALE: 1/4" = 1'-0"



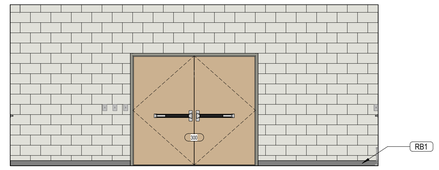

7 A-417 **INT ELEV - SENSORY RM 301 - WEST**
SCALE: 1/4" = 1'-0"



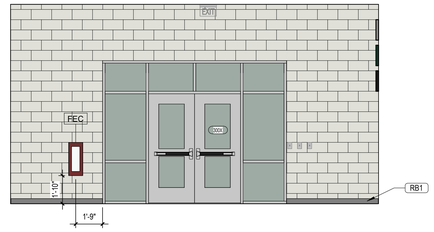

6 A-417 **INT ELEV - TEAM RM 314 - SOUTH**
SCALE: 1/4" = 1'-0"



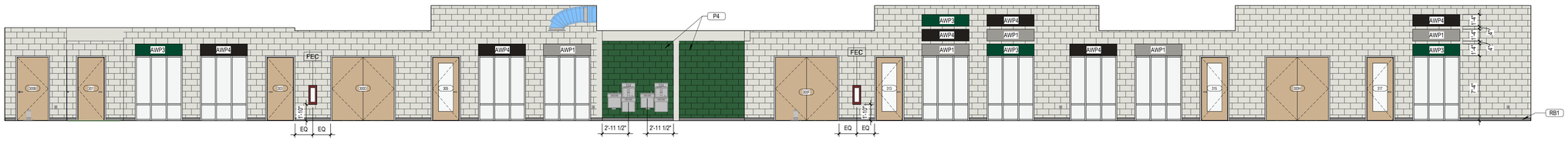

5 A-417 **INT ELEV - TEAM RM 314 - NORTH**
SCALE: 1/4" = 1'-0"



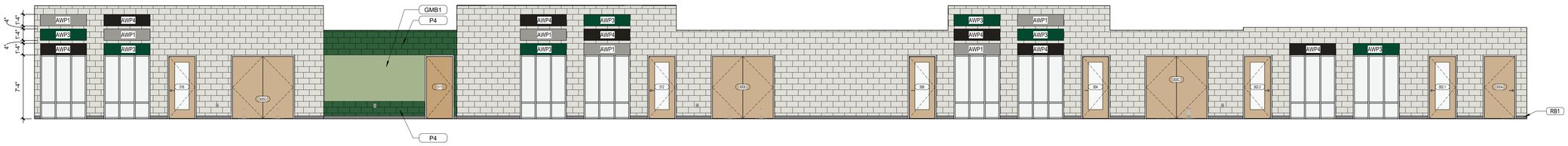

4 A-417 **INT ELEV - COLLABORATION - 300 WING - SOUTH**
SCALE: 1/4" = 1'-0"




3 A-417 **INT ELEV - COLLABORATION - 300 WING - NORTH**
SCALE: 1/4" = 1'-0"




2 A-417 **INT ELEV - COLLABORATION -300 WING - WEST**
SCALE: 3/16" = 1'-0"




1 A-417 **INT ELEV - COLLABORATION - 300 WING - EAST**
SCALE: 3/16" = 1'-0"

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Construction Documents

Lenoir County

# EB Frink Middle School

405 North Charles Street La Grange NC, 28551

ENERGY STAR PARTNER

| No. | Date | Description |
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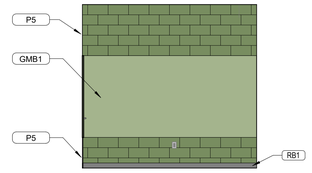
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INTERIOR ELEVATIONS - AREA 300

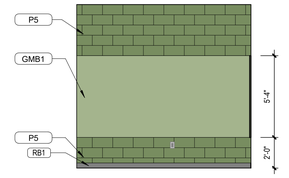
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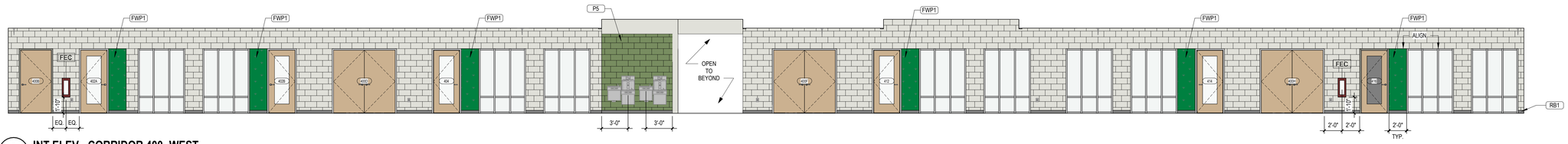
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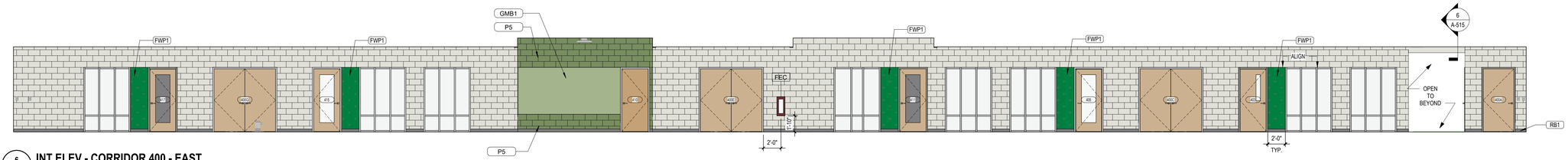

9 A-418 **INT ELEV - TEAM ROOM 413 - SOUTH**
SCALE: 1/4" = 1'-0"



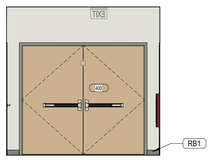

8 A-418 **INT ELEV - TEAM ROOM 413 - NORTH**
SCALE: 1/4" = 1'-0"



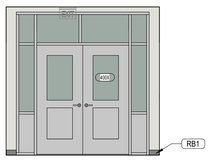

7 A-418 **INT ELEV - CORRIDOR 400 -WEST**
SCALE: 3/16" = 1'-0"



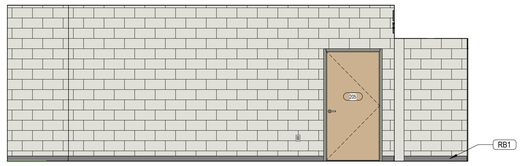

6 A-418 **INT ELEV - CORRIDOR 400 - EAST**
SCALE: 3/16" = 1'-0"



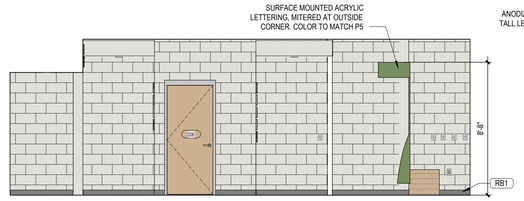

5 A-418 **INT ELEV - CORRIDOR 400 - SOUTH**
SCALE: 1/4" = 1'-0"



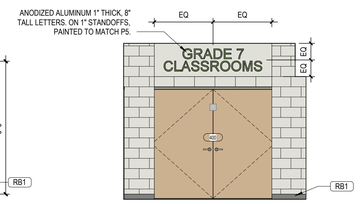

4 A-418 **INT ELEV - CORRIDOR 400 - NORTH**
SCALE: 1/4" = 1'-0"




3 A-418 **INT ELEV - CORRIDOR 400 ENTRY - WEST**
SCALE: 1/4" = 1'-0"




2 A-418 **INT ELEV - CORRIDOR 400 ENTRY - EAST**
SCALE: 1/4" = 1'-0"




1 A-418 **INT ELEV - CORRIDOR 400 ENTRY - NORTH**
SCALE: 1/4" = 1'-0"

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Construction Documents

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CHECKED BY: MK

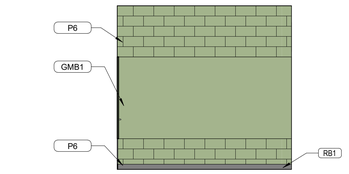
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INTERIOR ELEVATIONS - AREA 400

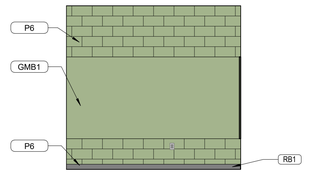
A-418

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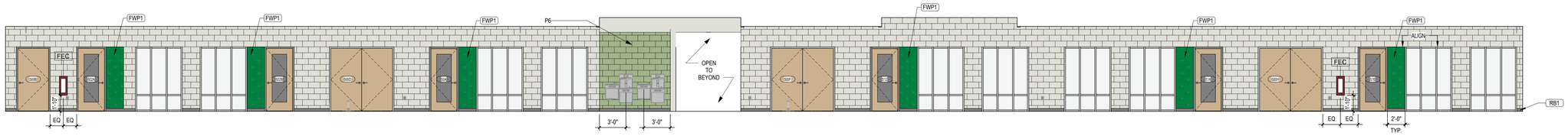
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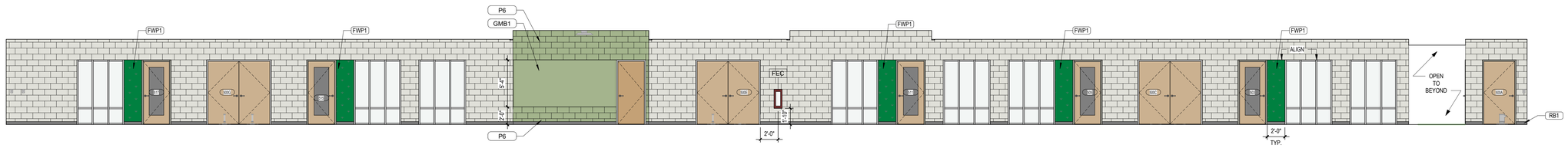

9 A-419 **INT ELEV - TEAM ROOM 513 - SOUTH**
SCALE: 1/4" = 1'-0"



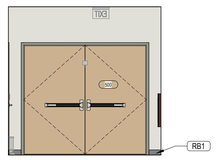

8 A-419 **INT ELEV - TEAM ROOM 513 - NORTH**
SCALE: 1/4" = 1'-0"



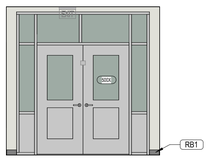

7 A-419 **INT ELEV - CORRIDOR 500 - WEST**
SCALE: 3/16" = 1'-0"



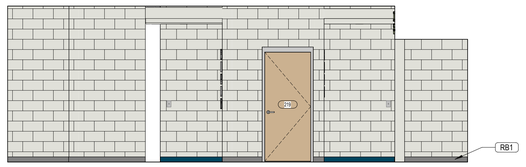

6 A-419 **INT ELEV - CORRIDOR 500 - EAST**
SCALE: 3/16" = 1'-0"



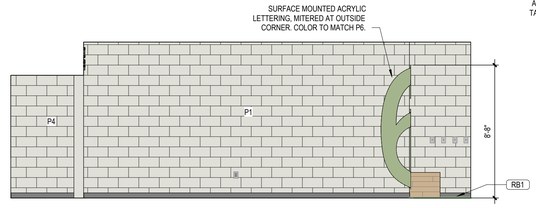

5 A-419 **INT ELEV - CORRIDOR 500 - SOUTH**
SCALE: 1/4" = 1'-0"



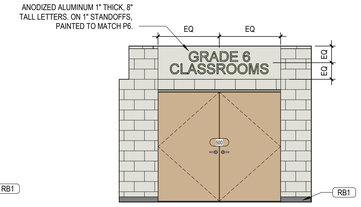

4 A-419 **INT ELEV - CORRIDOR 500 - NORTH**
SCALE: 1/4" = 1'-0"




3 A-419 **INT ELEV - CORRIDOR 500 ENTRY - WEST**
SCALE: 1/4" = 1'-0"




2 A-419 **INT ELEV - CORRIDOR 500 ENTRY - EAST**
SCALE: 1/4" = 1'-0"




1 A-419 **INT ELEV - CORRIDOR 500 ENTRY - NORTH**
SCALE: 1/4" = 1'-0"

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Construction Documents

Lenoir County
# EB Frink Middle School
405 North Charles Street La Grange NC, 28551

ENERGY STAR PARTNER

| No. | Date | Description |
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| 1 | 02/18/2025 | BID SET/AGENCY COM. |

ISSUE DATE: 02/18/2025
PROJECT #: 02303.000
DRAWN BY: RLH
CHECKED BY: MK

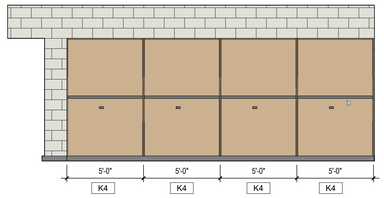
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INTERIOR ELEVATIONS - AREA 500

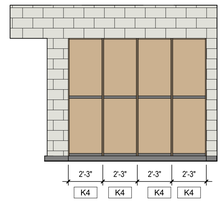
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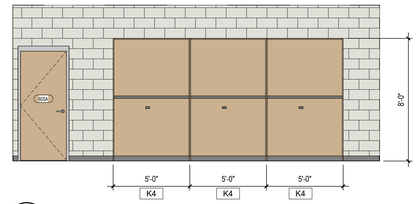
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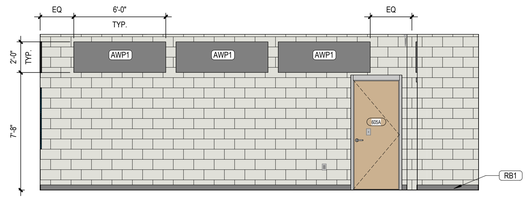

19 A-420 **INT ELEVATION- BAND STG 605A WEST**
SCALE: 1/4" = 1'-0"



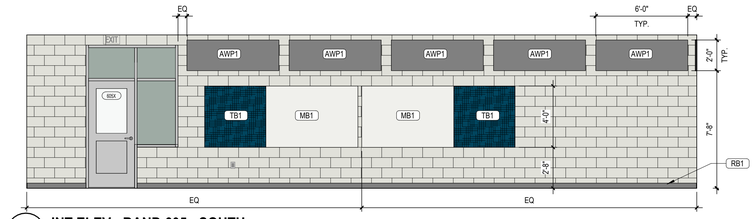

18 A-420 **INT ELEVATION- BAND STG. 605A SOUTH**
SCALE: 1/4" = 1'-0"



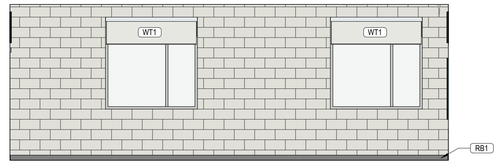

17 A-420 **INT ELEVATION - BAND STG 505A - EAST**
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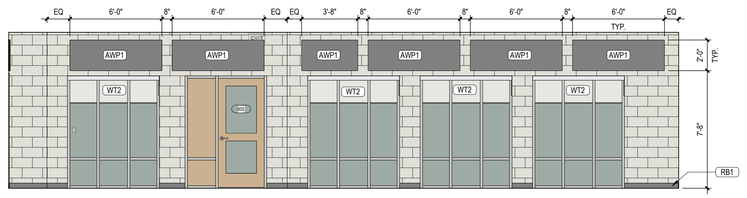

16 A-420 **INT ELEV - BAND 605 - WEST**
SCALE: 1/4" = 1'-0"



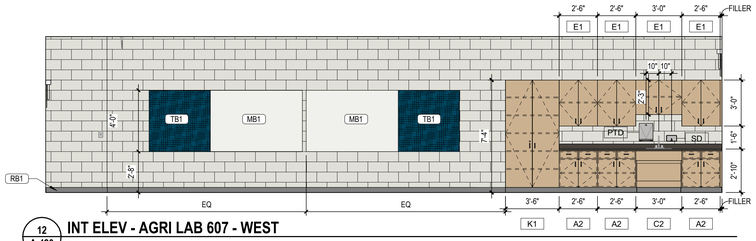

15 A-420 **INT ELEV - BAND 605 - SOUTH**
SCALE: 1/4" = 1'-0"



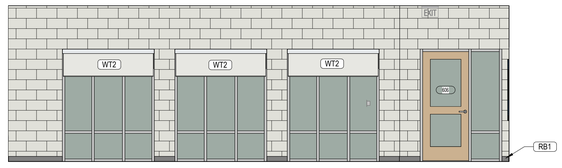

14 A-420 **INT ELEV - BAND 605 - EAST**
SCALE: 1/4" = 1'-0"



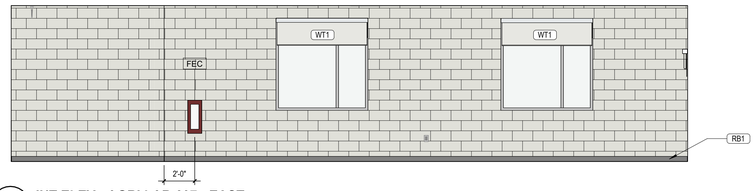

13 A-420 **INT ELEV - BAND 605 - NORTH**
SCALE: 1/4" = 1'-0"




12 A-420 **INT ELEV - AGRI LAB 607 - WEST**
SCALE: 1/4" = 1'-0"



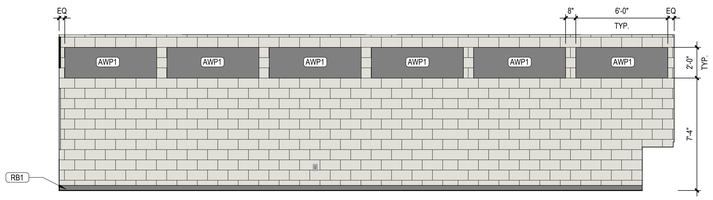

11 A-420 **INT ELEV - AGRI LAB 607 - SOUTH**
SCALE: 1/4" = 1'-0"



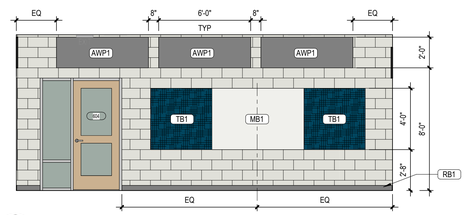

10 A-420 **INT ELEV - AGRI LAB 607 - EAST**
SCALE: 1/4" = 1'-0"



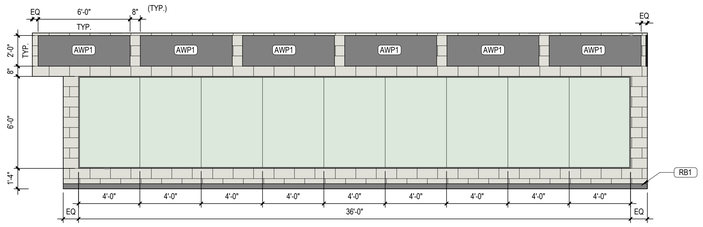

9 A-420 **INT ELEV - AGRI LAB 607 - NORTH**
SCALE: 1/4" = 1'-0"



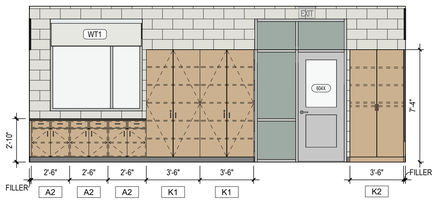

8 A-420 **INT ELEV - CHORUS 606 - WEST**
SCALE: 1/4" = 1'-0"



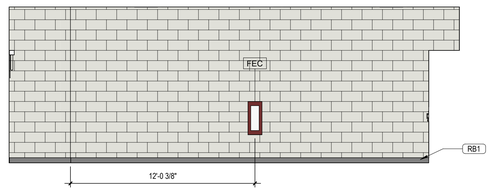

7 A-420 **INT ELEV - CHORUS 606 - SOUTH**
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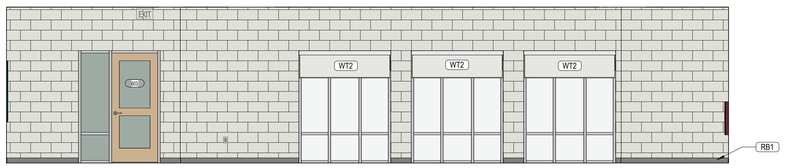

6 A-420 **INT ELEV - CHORUS 606 - EAST**
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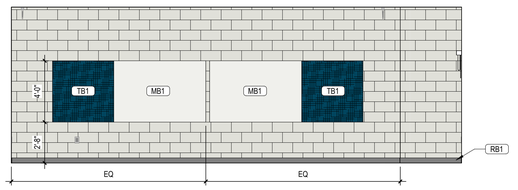

5 A-420 **INT ELEV - CHORUS 604 - NORTH**
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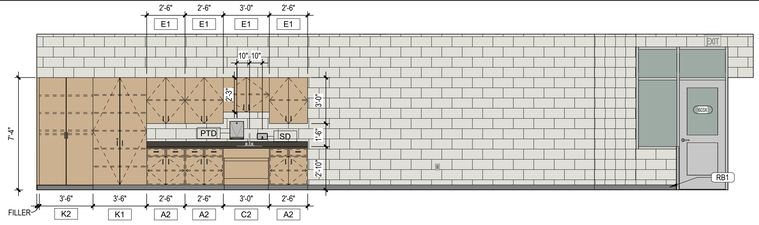

4 A-420 **INT ELEV - STEM 603 - WEST**
SCALE: 1/4" = 1'-0"




3 A-420 **INT ELEV - STEM 603 - SOUTH**
SCALE: 1/4" = 1'-0"




2 A-420 **INT ELEV - STEM 603 - EAST**
SCALE: 1/4" = 1'-0"




1 A-420 **INT ELEV - STEM 603 - NORTH**
SCALE: 1/4" = 1'-0"

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Construction Documents

Lenoir County
# EB Frink Middle School
405 North Charles Street La Grange NC, 28551

ENERGY STAR PARTNER

| No. | Date | Description |
|---|---|---|
| 1 | 02/18/2025 | BID SET/AGENCY COM. |

ISSUE DATE: 02/18/2025
PROJECT #: 02303.000
DRAWN BY: RLH
CHECKED BY: MK

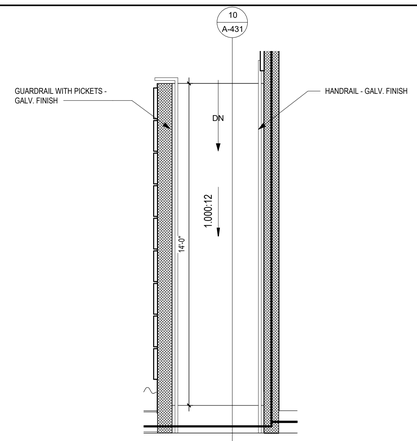
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INTERIOR ELEVATION - AREA 600

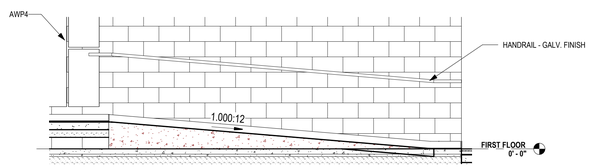
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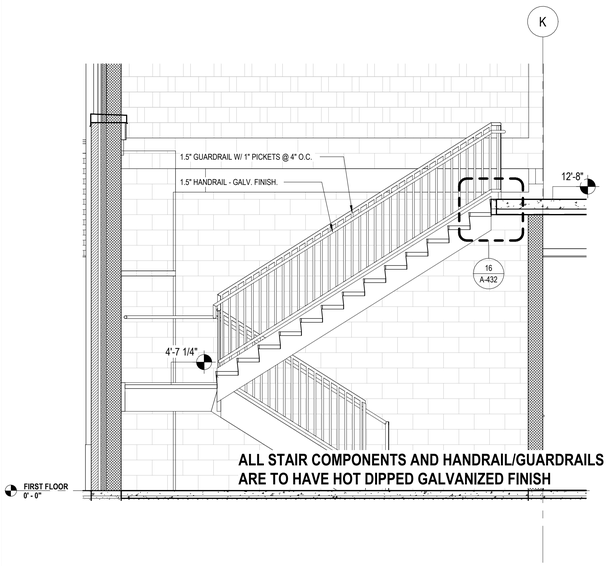



9 A-431 **ENLARGED PLAN - PLATFORM RAMP**
SCALE: 3/8" = 1'-0"

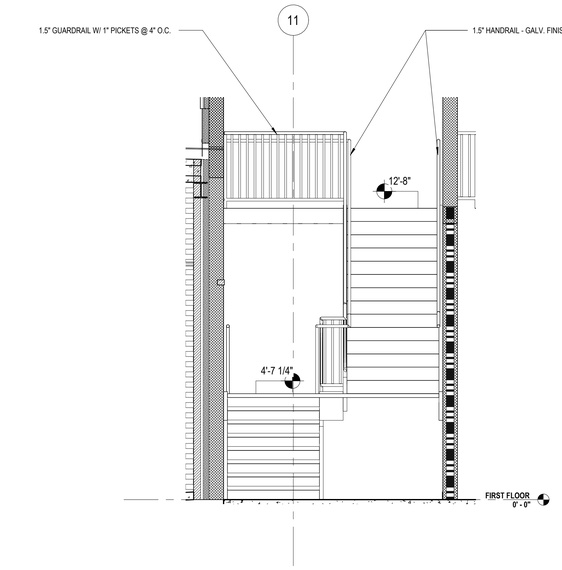



10 A-431 **SECTION AT PLATFORM RAMP**
SCALE: 3/8" = 1'-0"

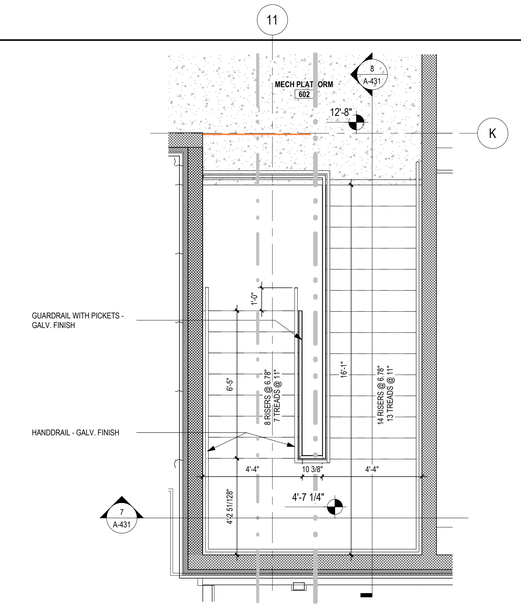
**SEE SHEET A-432 FOR TYPICAL STAIR DETAILS.**



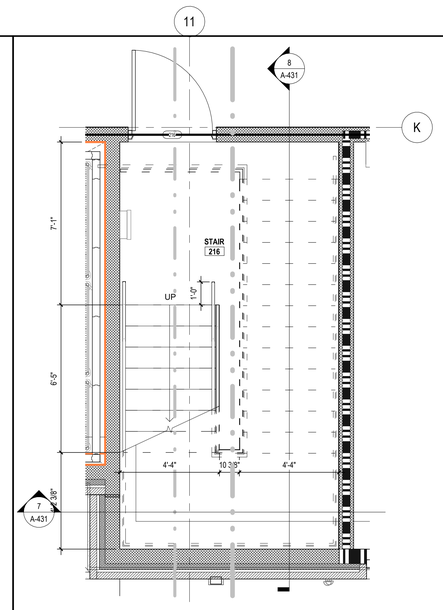

8 A-431 **SECTION AT STAIR 216**
SCALE: 3/8" = 1'-0"



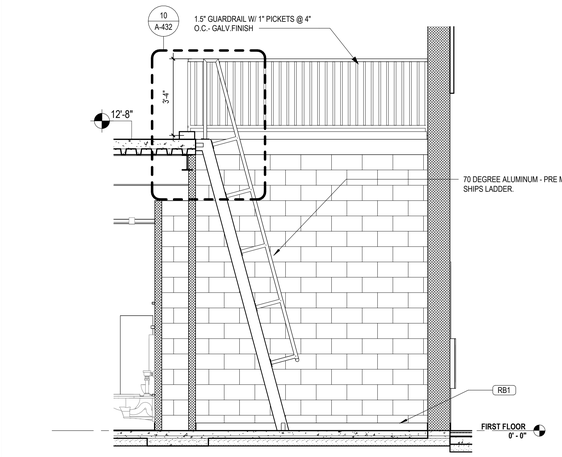

7 A-431 **SECTION 2 AT STAIR 216**
SCALE: 3/8" = 1'-0"



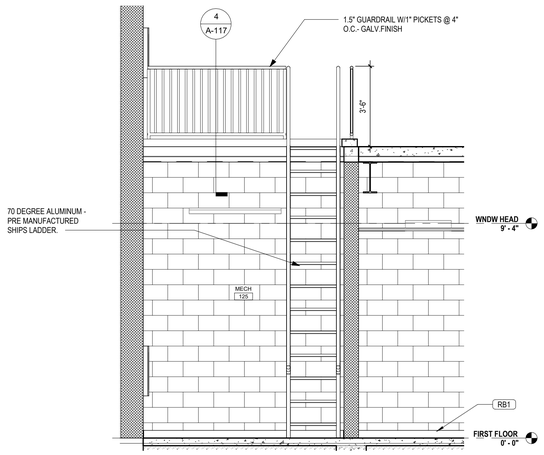

6 A-431 **ENLRGD PLAN - STAIR 216 - MECH 602**
SCALE: 3/8" = 1'-0"



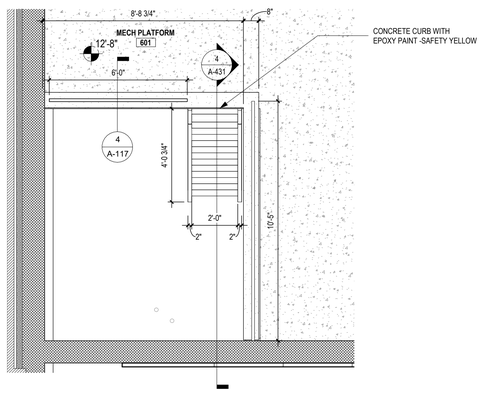

5 A-431 **ENLARGED PLAN - STAIR 216**
SCALE: 3/8" = 1'-0"



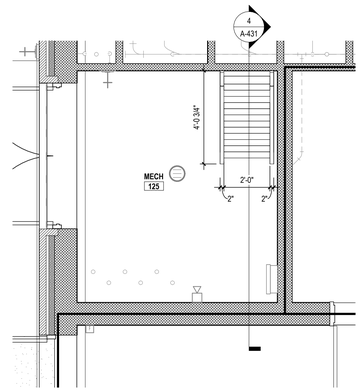

4 A-431 **SECTION -SHIPS LADDER -TO MECH PLTFM**
SCALE: 3/8" = 1'-0"




3 A-431 **SECTION -SHIPS LADDER -MECH PLTFM**
SCALE: 3/8" = 1'-0"




2 A-431 **ENLRGD PLAN - SHIPS LADDER -MECH PLTFM**
SCALE: 3/8" = 1'-0"




1 A-431 **ENLARGED PLAN - SHIPS LADDER - MECH 125**
SCALE: 3/8" = 1'-0"

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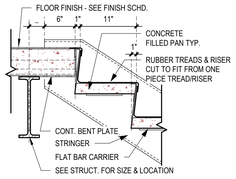
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ENLARGED STAIR PLAN AND SECTIONS

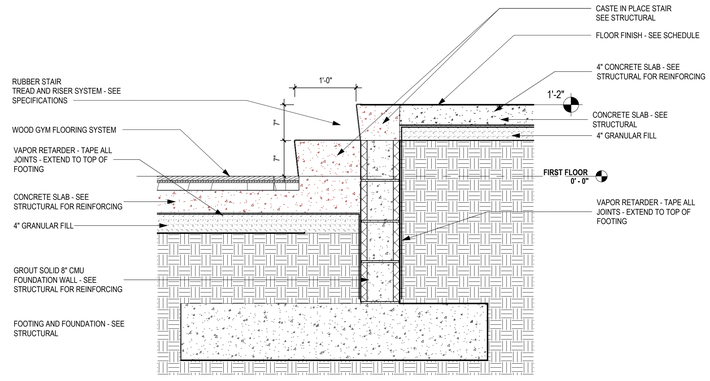
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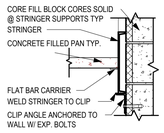
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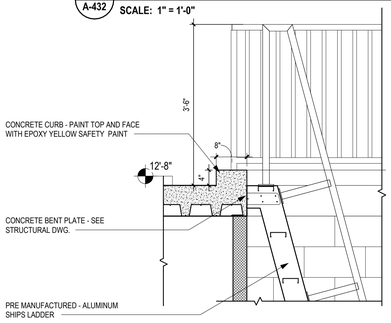

**16 / A-432 TYP STAIR @ SLAB EDGE DETAIL**
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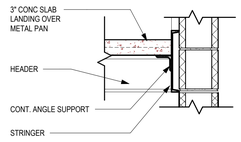

**17 / A-432 PLATFORM STAIR**
SCALE: 1" = 1'-0"



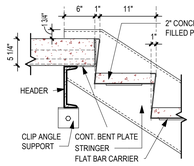

**15 / A-432 TYP STRINGER DETAIL**
SCALE: 1" = 1'-0"



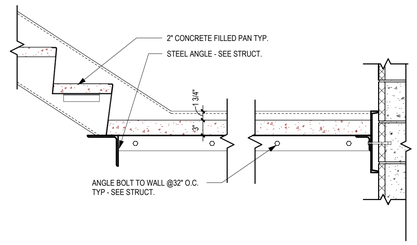

**10 / A-432 STAIR DTL. AT CONC. CURB**
SCALE: 3/4" = 1'-0"



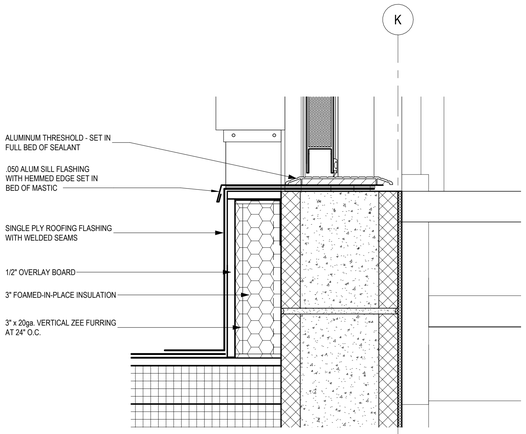

**14 / A-432 TYP LANDING @ WALL DETAIL**
SCALE: 1" = 1'-0"



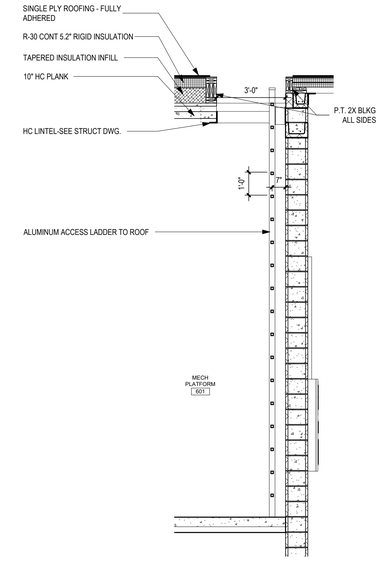

**13 / A-432 TYP STAIR @ LANDING DETAIL**
SCALE: 1" = 1'-0"



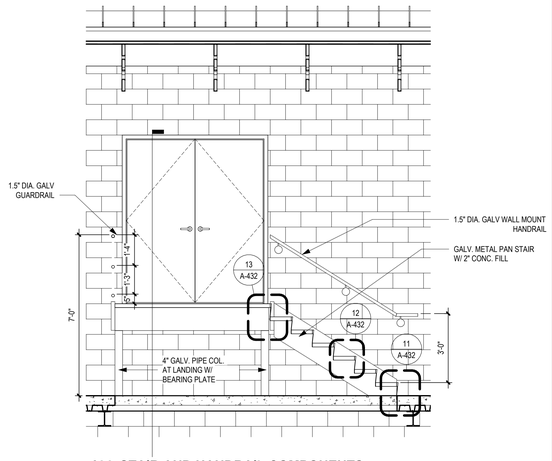

**8 / A-432 TYPICAL STAIR AT LANDING SECTION**
SCALE: 1" = 1'-0"




**7 / A-432 DOOR SILL AT STAIR TO ROOF**
SCALE: 3" = 1'-0"

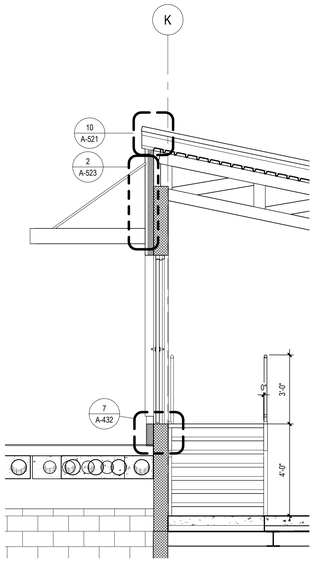



**6 / A-432 SECTION AT ROOF LADDER**
SCALE: 3/8" = 1'-0"



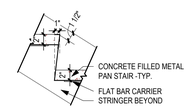

ALL STAIR AND HANDRAIL COMPONENTS ARE HOT DIPPED GALV. FINISH

**9 / A-432 SECTION - STAIR/LANDING TO ROOF**
SCALE: 3/8" = 1'-0"

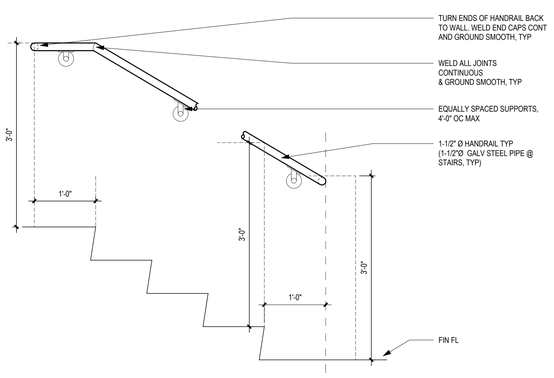



ALL STAIR AND HANDRAIL COMPONENTS ARE HOT DIPPED GALV. FINISH

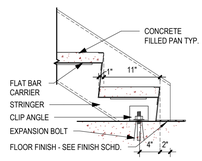
**5 / A-432 SECTION - STAIR TO ROOF**
SCALE: 3/8" = 1'-0"



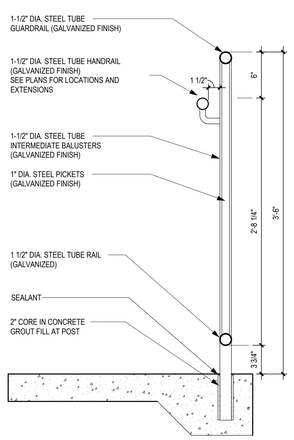

**12 / A-432 TYPICAL TREAD DETAIL**
SCALE: 1" = 1'-0"




**4 / A-432 TYPICAL WALL MOUNT HANDRAIL DETAIL**
SCALE: 1" = 1'-0"

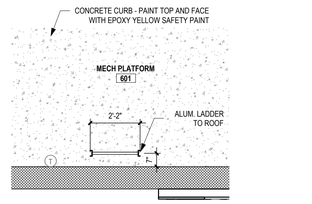



**11 / A-432 TYP STAIR @ FLOOR DETAIL**
SCALE: 1" = 1'-0"

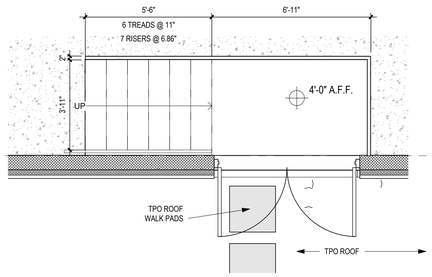



*REQUIRED GUARDS SHALL NOT HAVE OPENINGS THAT ALLOW PASSAGE OF A SPHERE 4" IN DIA. FROM THE WALKING SURFACE TO THE REQUIRED GUARDRAIL HEIGHT. THE SPHERE SHALL NOT PASS THROUGH THE OPENING WITH A MINIMUM OF 50 PSF APPLIED HORIZONTALLY TO THE SPHERE FROM THE DIRECTION OF THE WALKING SURFACE THAT IS BEING PROTECTED. A BOTTOM RAIL OR CURB SHALL BE PROVIDED THAT WILL REJECT THE PASSAGE OF A 2-INCH-DIAMETER SPHERE" 2018 NCBC SECTION 1015 GUARDS, 1015.4 OPENING LIMITATIONS.

**3 / A-432 GUARDRAIL/HANDRAIL DETAIL**
SCALE: 1 1/2" = 1'-0"




**2 / A-432 PLAN - ROOF ACCESS LADDER - MECH 601**
SCALE: 3/8" = 1'-0"




**1 / A-432 ENLRGD PLAN - STAIR TO ROOF - MECH 602**
SCALE: 3/8" = 1'-0"

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Construction Documents

Lenoir County
**EB Frink Middle School**
405 North Charles Street La Grange NC, 28551

ENERGY STAR PARTNER

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DRAWN BY: Author
CHECKED BY: Checker

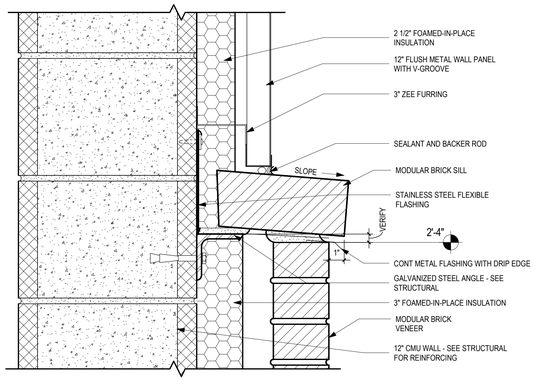
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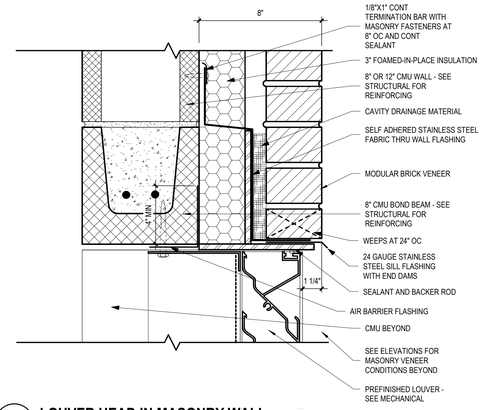
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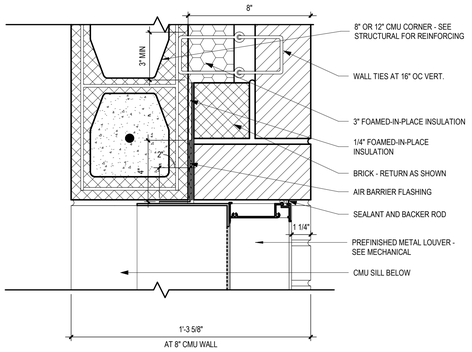
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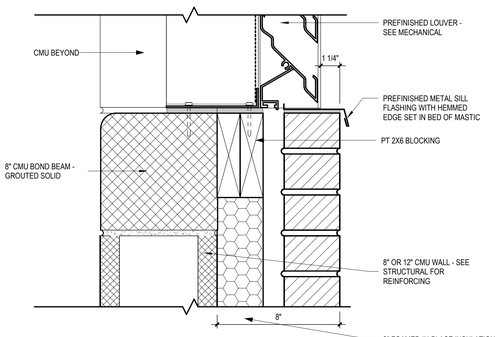

**14 / A-501 DETAIL - BRICK W/ BRICK SILL TO MTL PANL**
SCALE: 3" = 1'-0"



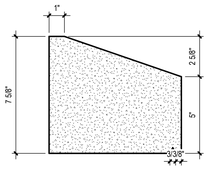

**10 / A-501 LOUVER HEAD IN MASONRY WALL**
SCALE: 3" = 1'-0"



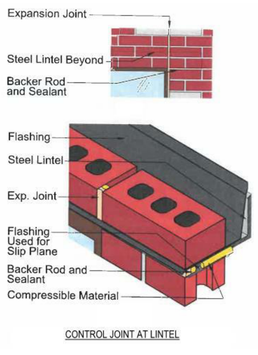

**8 / A-501 LOUVER JAMB IN MASONRY WALL**
SCALE: 3" = 1'-0"




**4 / A-501 LOUVER SILL IN MASONRY WALL**
SCALE: 3" = 1'-0"

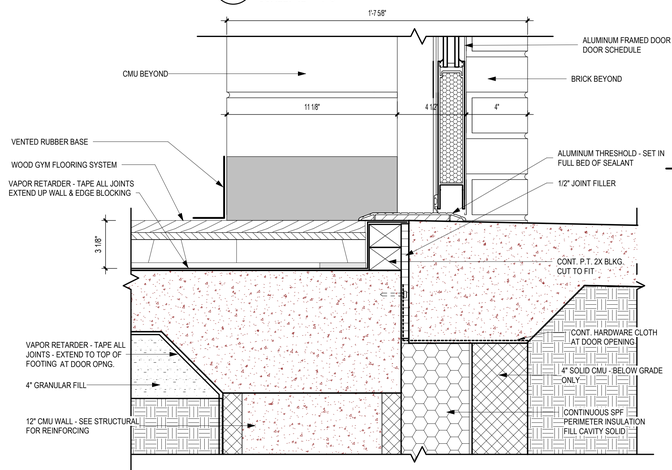



**15 / A-501 CAST STONE SILL**
SCALE: 3" = 1'-0"

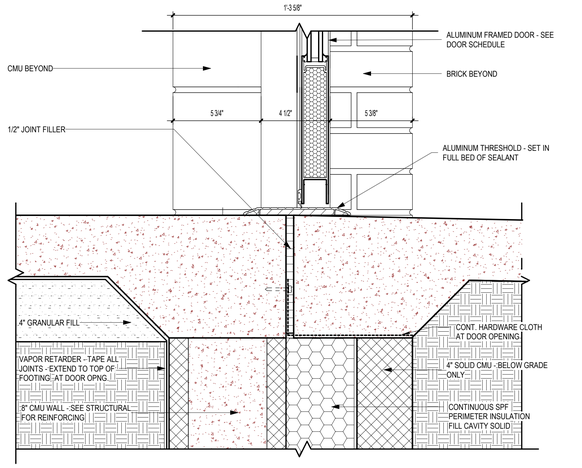



CONTROL JOINT AT LINTEL

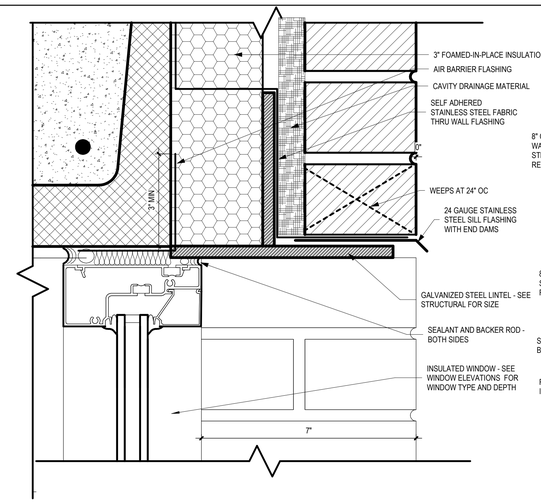
**13 / A-501 BRICK CONTROL JOINT**
SCALE: 12" = 1'-0"



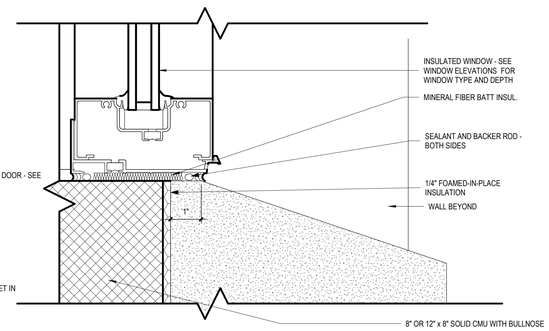

**7 / A-501 DOOR SILL DETAIL - GYM**
SCALE: 3" = 1'-0"



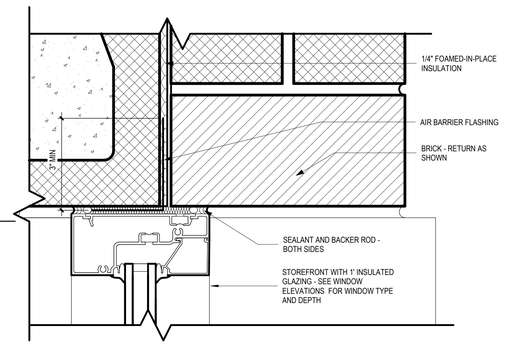

**3 / A-501 DOOR SILL DETAIL**
SCALE: 3" = 1'-0"



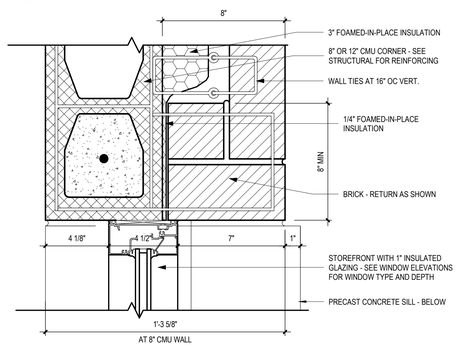

**12 / A-501 ENLARGED STOREFRONT HEAD DETAIL**
SCALE: 6" = 1'-0"



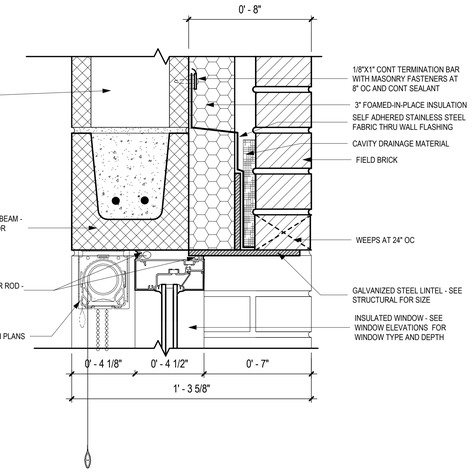

**9 / A-501 ENLARGED STOREFRONT SILL DETAIL**
SCALE: 6" = 1'-0"



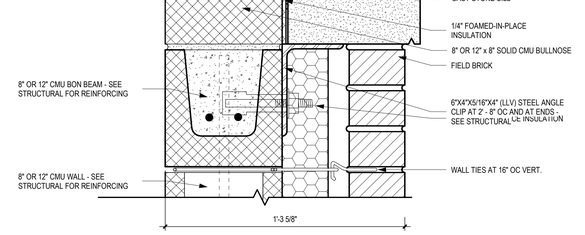

**6 / A-501 ENLARGED STOREFRONT JAMB DETAIL**
SCALE: 6" = 1'-0"



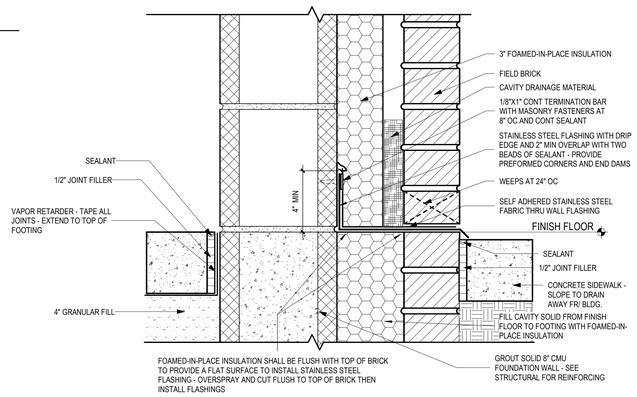

**2 / A-501 TYPICAL STOREFRONT JAMB DETAIL**
SCALE: 3" = 1'-0"




**11 / A-501 TYPICAL STOREFRONT HEAD DETAIL**
SCALE: 3" = 1'-0"




**5 / A-501 TYPICAL STOREFRONT SILL DETAIL**
SCALE: 3" = 1'-0"




**1 / A-501 TYPICAL THRU WALL FLASHING AT BASE**
SCALE: 3" = 1'-0"

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STEVEN J. LUKOSTRUK
SEAL 50676
9.12.24
REGISTERED PROFESSIONAL ENGINEER
NORTH CAROLINA
FAYETTEVILLE, NC

Construction Documents

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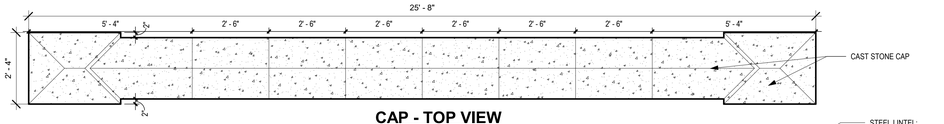
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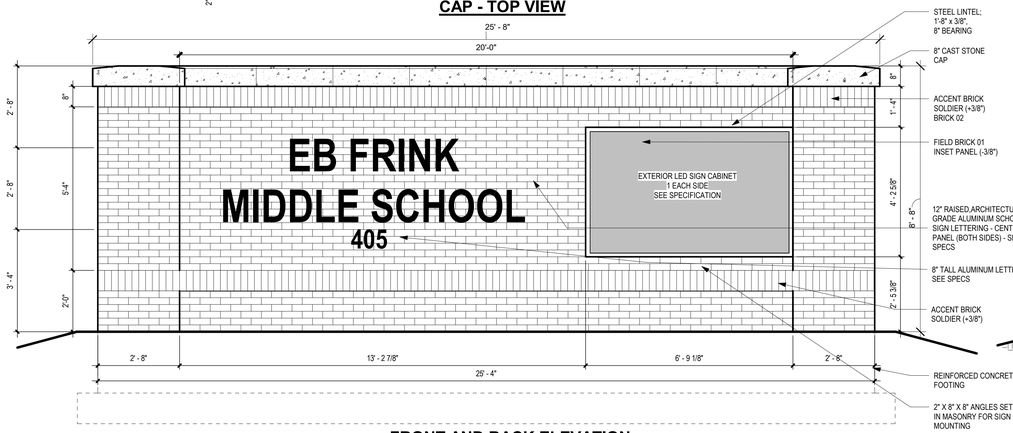
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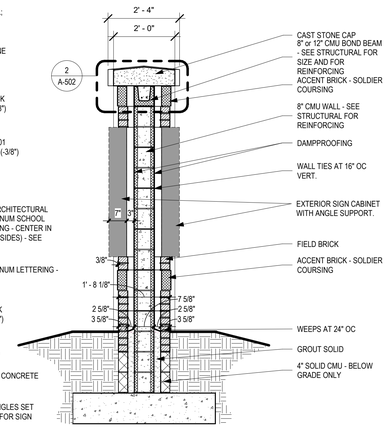
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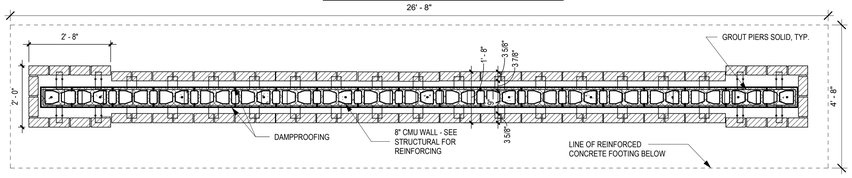

## CAP - TOP VIEW




## FRONT AND BACK ELEVATION




## VERTICAL SECTION VIEW

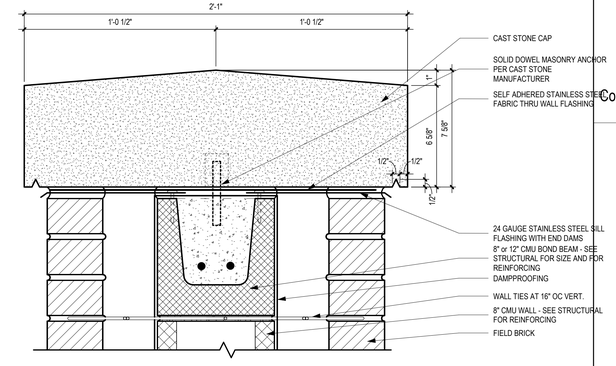



## HORIZONTAL SECTION VIEW

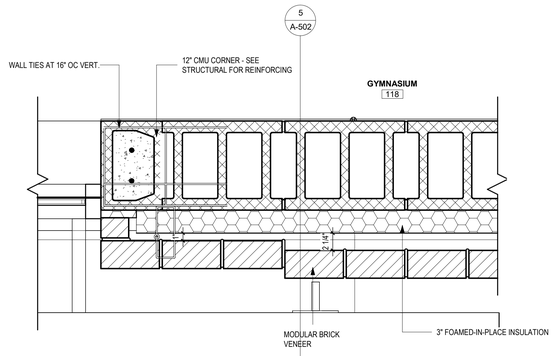
GENERAL NOTES:

1. COORDINATE SIGN LOCATION WITH THE OWNER.
2. SEE STRUCTURAL FOR REINFORCING
3. SEE ELECTRICAL FOR UPLIGHTING

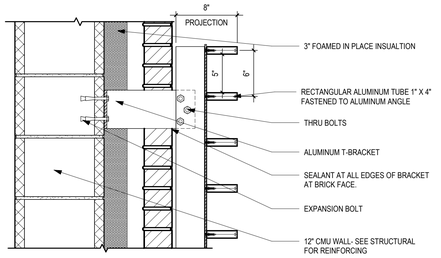
### 3 A-502 SITE SIGN
SCALE: 1/2" = 1'-0"



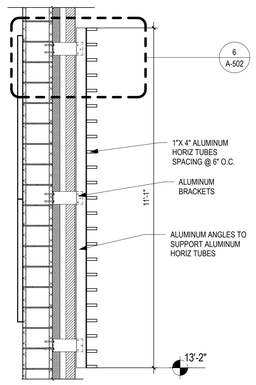

### 2 A-502 MASONRY CAP AT SITE SIGN
SCALE: 3" = 1'-0"



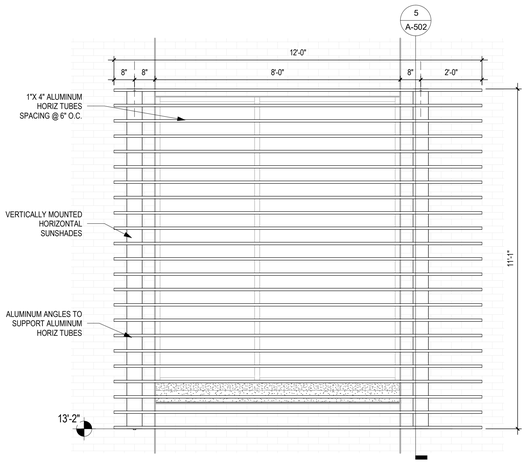

### 7 A-502 PLAN DTL. - GYM SOUTH WALL
SCALE: 1 1/2" = 1'-0"



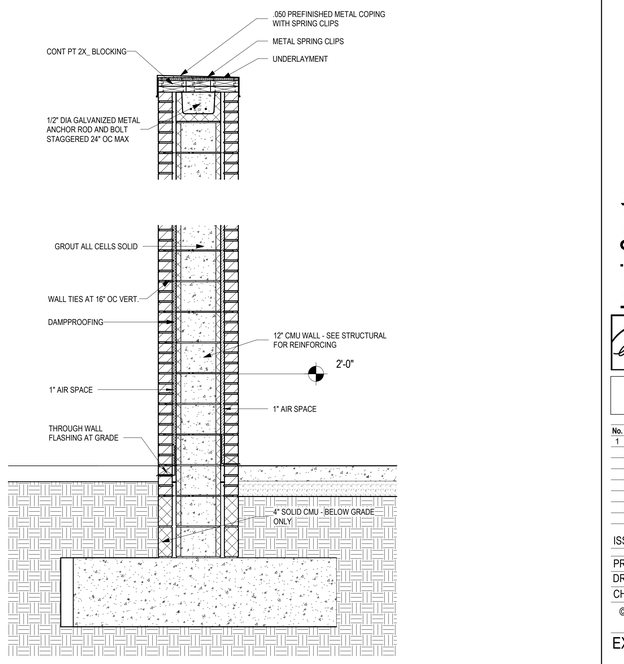

### 6 A-502 SUN SHADE MOUNTED DETAIL
SCALE: 1 1/2" = 1'-0"




### 5 A-502 SUN SHADE SECTION
SCALE: 1/2" = 1'-0"




### 4 A-502 ENLARGE SUN SHADE ELEVATION @ GYM
SCALE: 1/2" = 1'-0"




### 1 A-502 KITCHEN SCREEN WALL DTL
SCALE: 3/4" = 1'-0"

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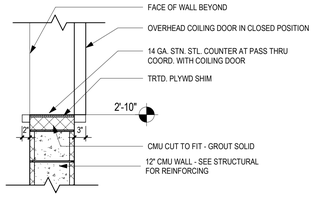
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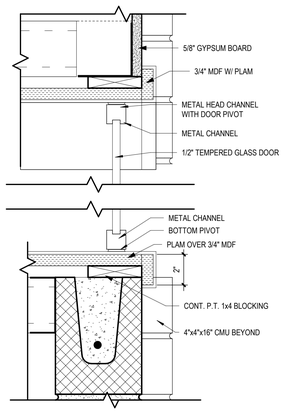
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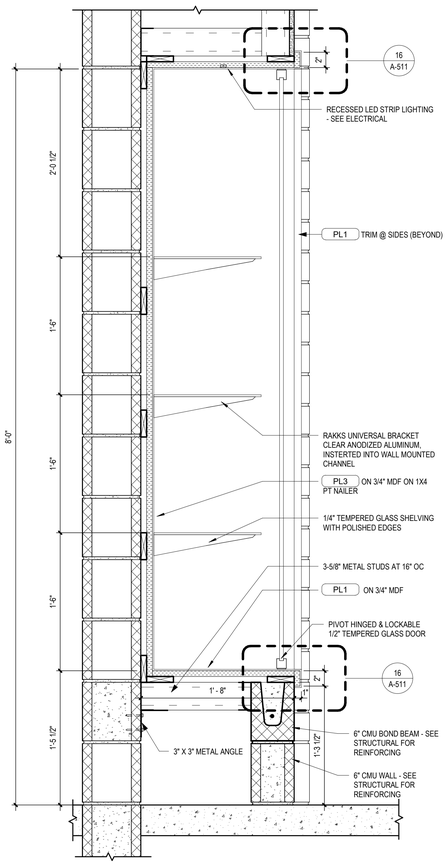
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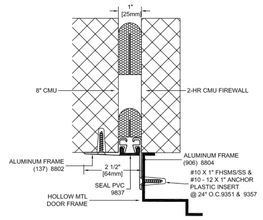

## 17 A-511 SECTION AT CONCESS STAND COUNTER
SCALE: 3/4" = 1'-0"




## 16 A-511 DISPLAY CASE DETAILS
SCALE: 3" = 1'-0"

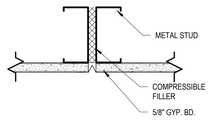



## 15 A-511 SECTION - DISPLAY CASE
SCALE: 1 1/2" = 1'-0"

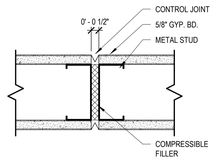



B.O.D. - M&M SYSTEMS - FSAL-100

## 14 A-511 WALL EXP JNT COVER
SCALE: 3" = 1'-0"



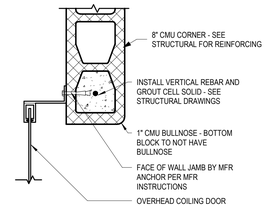

CEILING CONTROL JOINTS PLACED AS SHOWN ON RCP



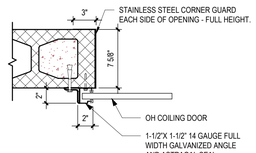

WALL CONTROL JOINTS PLACED @ 24'-0" MAX.

NOTE: ADDITIONAL FRAMING NOT REQUIRED FOR CONTROL JOINTS THAT ARE INSTALLED PERPENDICULAR TO THE FRAMING MEMBERS WITH FRAMING SPACING UP TO 24" OC. WHERE CONTROL JOINTS ARE INSTALLED PARALLEL TO FRAMING MEMBERS, A FRAMING MEMBER IS REQUIRED EACH SIDE OF THE OPENING

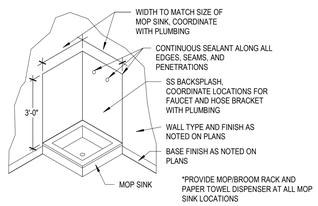
## 13 A-511 PLAN DETAIL - CJ AT GYPSUM BOARD
SCALE: 3" = 1'-0"



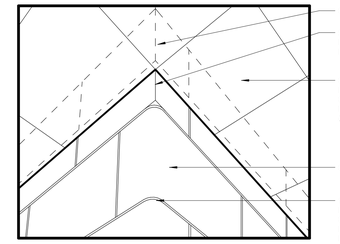

## 12 A-511 PLAN DTL - O.H. COILING DOOR
SCALE: 1 1/2" = 1'-0"



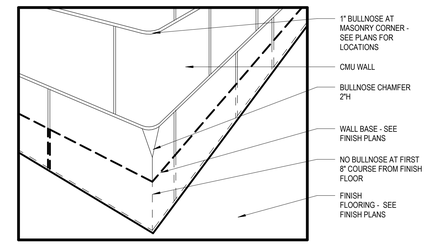

## 11 A-511 JAMB DTL.-O.H. COUNTER DOOR
SCALE: 1 1/2" = 1'-0"



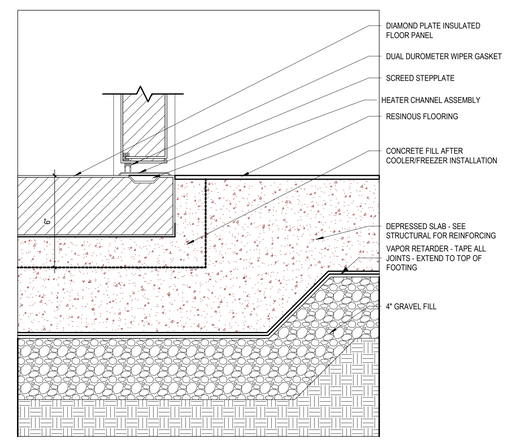

## 10 A-511 MOP SINK DTL
SCALE: 3/8" = 1'-0"



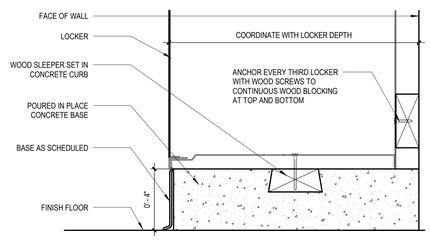

## 9 A-511 CEILING DETAIL - 1" BULLNOSE
SCALE: 12" = 1'-0"



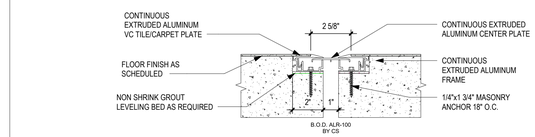

## 8 A-511 BASE DETAIL - 1" BULLNOSE
SCALE: 12" = 1'-0"



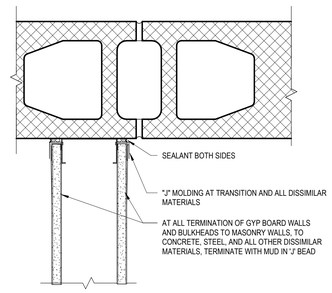

## 7 A-511 FRZ FLOOR DETAIL -PANEL
SCALE: 3" = 1'-0"



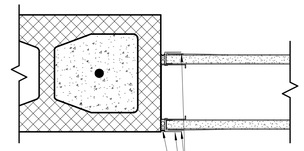

## 6 A-511 LOCKER BASE DTL
SCALE: 3" = 1'-0"



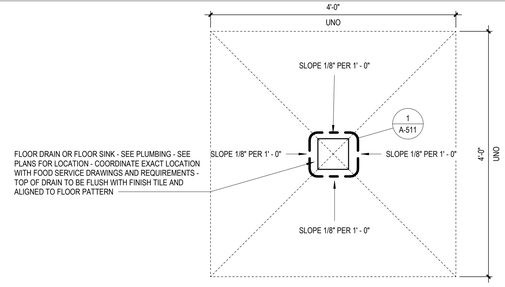

## 5 A-511 FLOOR EXPANSION JOINT COVER
SCALE: 3" = 1'-0"



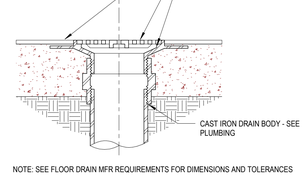

## 4 A-511 PLAN DETAIL
SCALE: 3" = 1'-0"




## 3 A-511 PLAN DETAIL
SCALE: 3" = 1'-0"




## 2 A-511 FLOOR SINK AT KITCHEN
SCALE: 1" = 1'-0"




NOTE: SEE FLOOR DRAIN MFR REQUIREMENTS FOR DIMENSIONS AND TOLERANCES

## 1 A-511 FLOOR DRAIN DTL.
SCALE: 3" = 1'-0"

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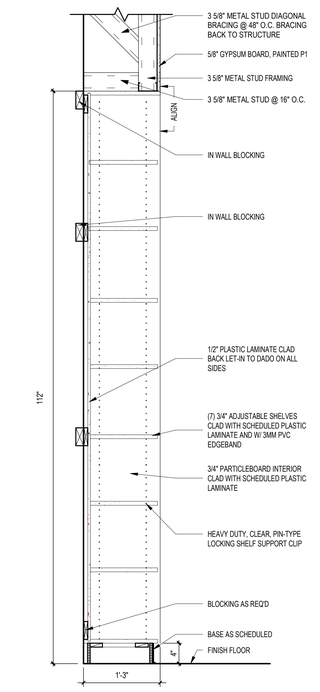
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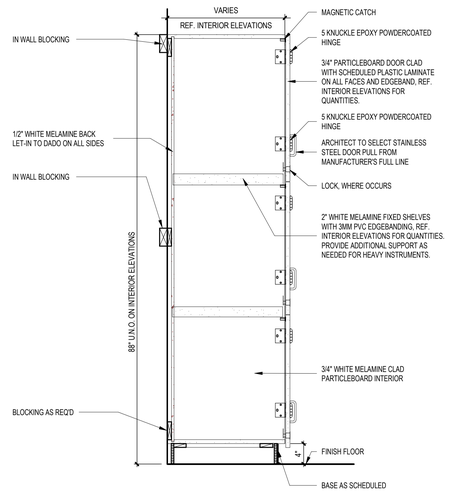
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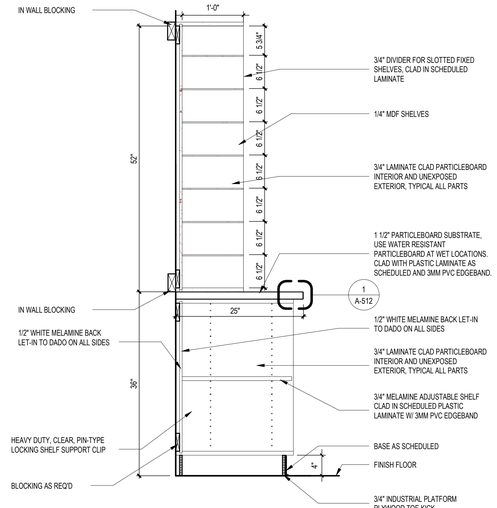
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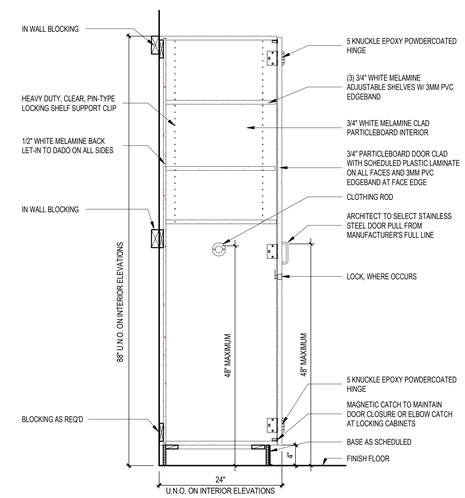

**K5 / A-512 TALL CABINET**
SCALE: 1" = 1'-0"



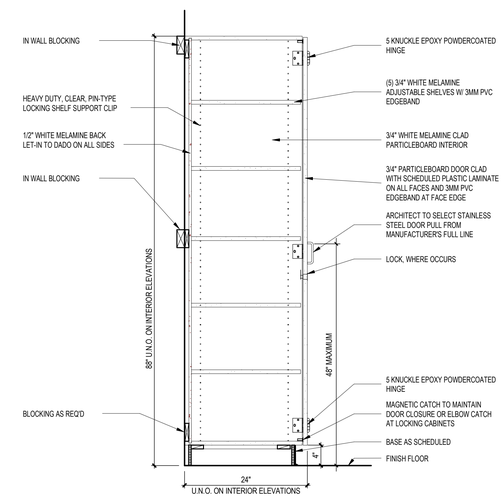

**K4 / A-512 BAND INSTRUMENTS STORAGE**
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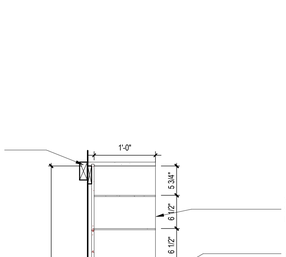

**K3 / A-512 TALL CABINET - MAILBOXES**
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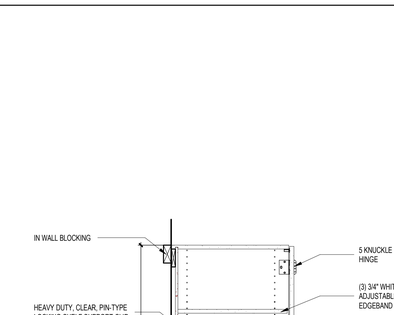

**K2 / A-512 TALL CABINET - WARDROBE STORAGE**
SCALE: 1" = 1'-0"



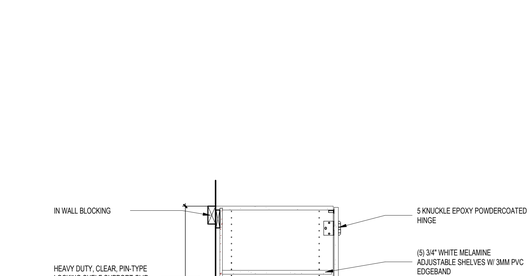

**K1 / A-512 TALL CABINET - DOOR**
SCALE: 1" = 1'-0"



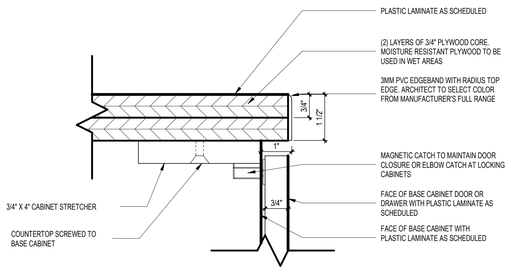

**E1 / A-512 UPPER CABINET**
SCALE: 1" = 1'-0"



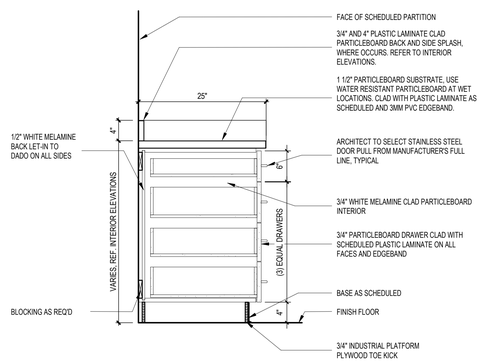

**C2 / A-512 BASE CABINET - ADA SINK**
SCALE: 1" = 1'-0"



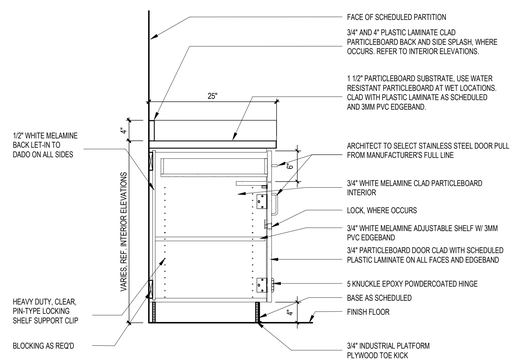

**C1 / A-512 BASE CABINET - SINK**
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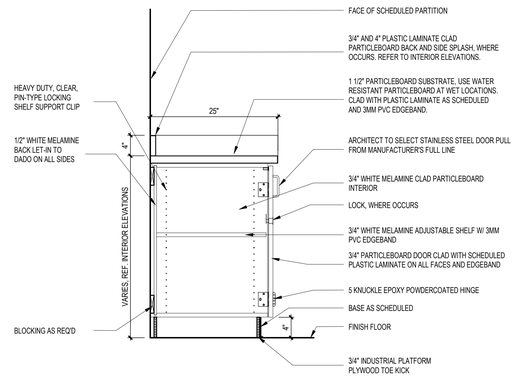

**1 / A-512 COUNTERTOP EDGE - PLASTIC LAMINATE**
SCALE: 6" = 1'-0"




**A3 / A-512 BASE CABINET - DRAWERS**
SCALE: 1" = 1'-0"




**A2 / A-512 BASE CABINET - DOOR & DRAWER**
SCALE: 1" = 1'-0"




**A1 / A-512 BASE CABINET - DOOR**
SCALE: 1" = 1'-0"

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Construction Documents

Lenoir County
**EB Frink Middle School**
405 North Charles Street La Grange NC, 28551

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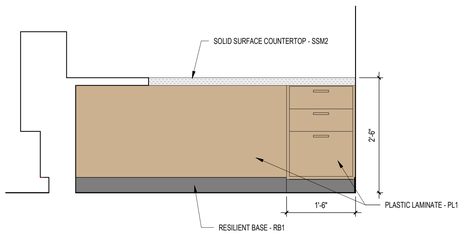
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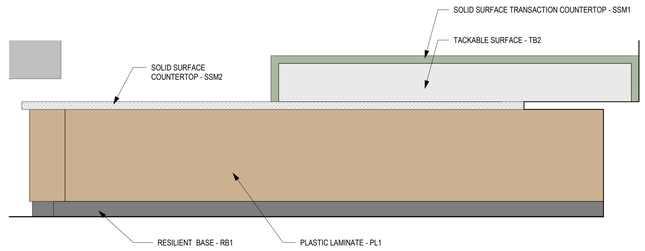
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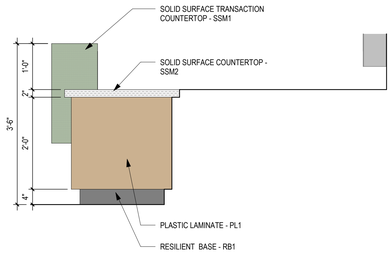
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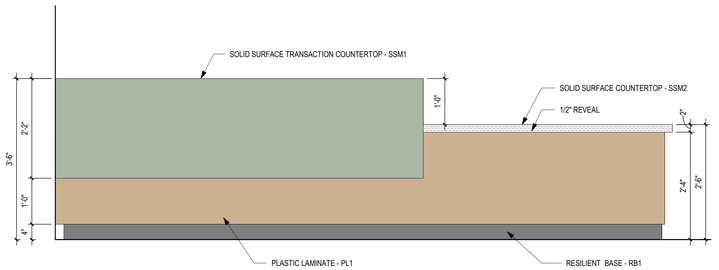

7 A-513 **RECEPTION DESK - BACK SIDE ELEVATION**
**SCALE: 3/4" = 1'-0"**



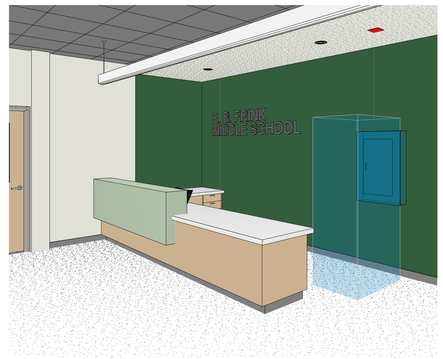

6 A-513 **RECEPTION DESK - BACK ELEVATION**
**SCALE: 3/4" = 1'-0"**



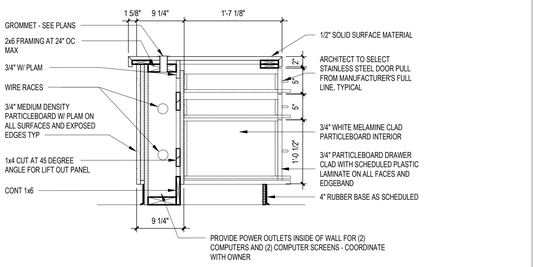

4 A-513 **RECEPTION DESK - SIDE ELEVATION**
**SCALE: 3/4" = 1'-0"**



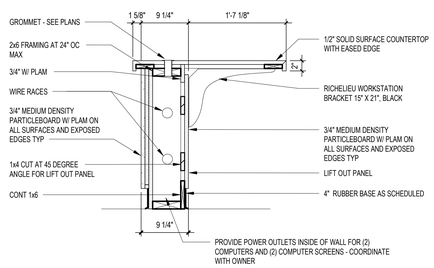

2 A-513 **RECEPTION DESK - FRONT ELEVATION**
**SCALE: 3/4" = 1'-0"**



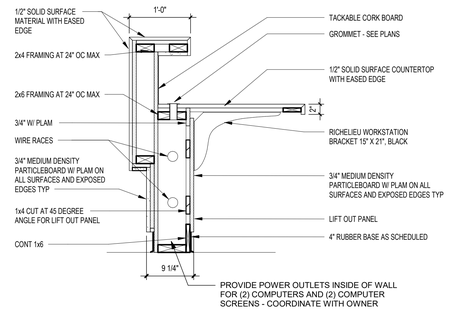

5 A-513 **RECEPTION DESK PERSPECTIVE**
**SCALE:**



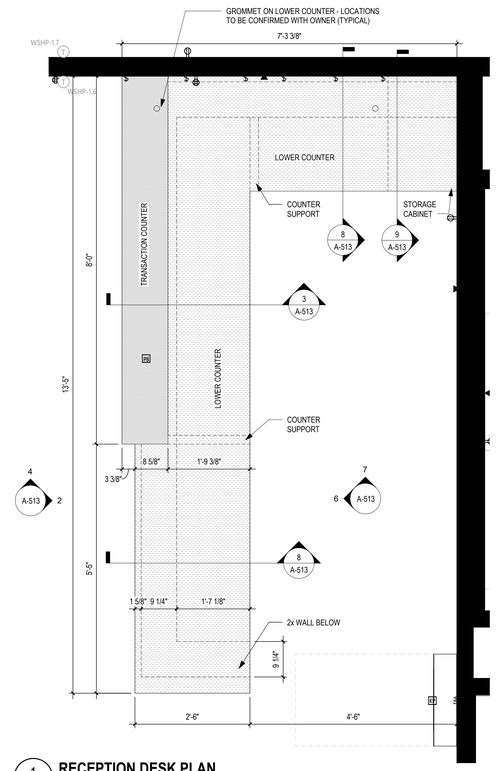

9 A-513 **RECEPTION DESK SECTION - STORAGE**
**SCALE: 1" = 1'-0"**




8 A-513 **RECEPTION DESK SECTION - LOWER COUNTER**
**SCALE: 1" = 1'-0"**




3 A-513 **RECEPTION DESK SECTION - TRANSACTION COUNTER**
**SCALE: 1" = 1'-0"**




1 A-513 **RECEPTION DESK PLAN**
**SCALE: 3/4" = 1'-0"**

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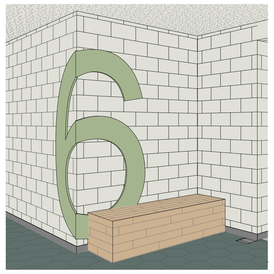
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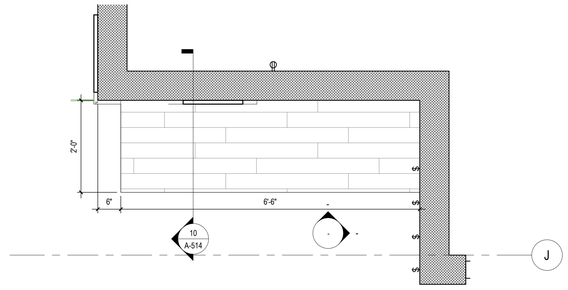
A-513

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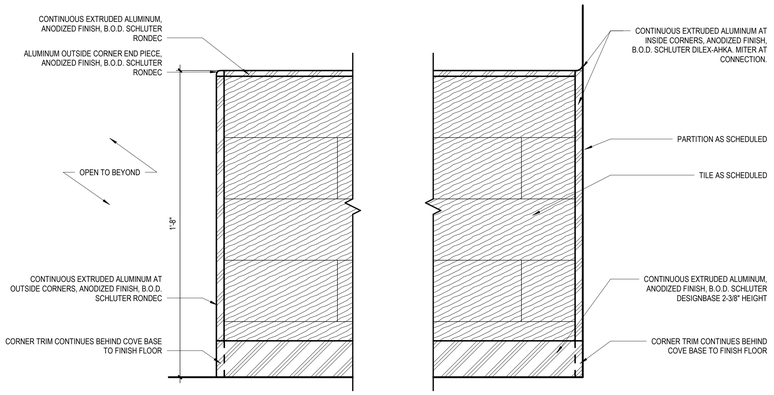
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14 / A-514 **3D VIEW - AREA 600 BENCH**
SCALE:



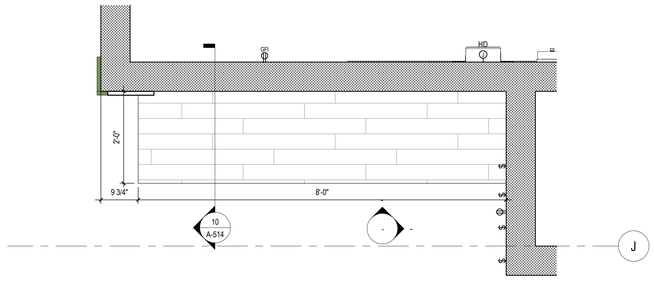

3 / A-514 **PLAN DETAIL - AREA 600 BENCH**
SCALE: 3/4" = 1'-0"



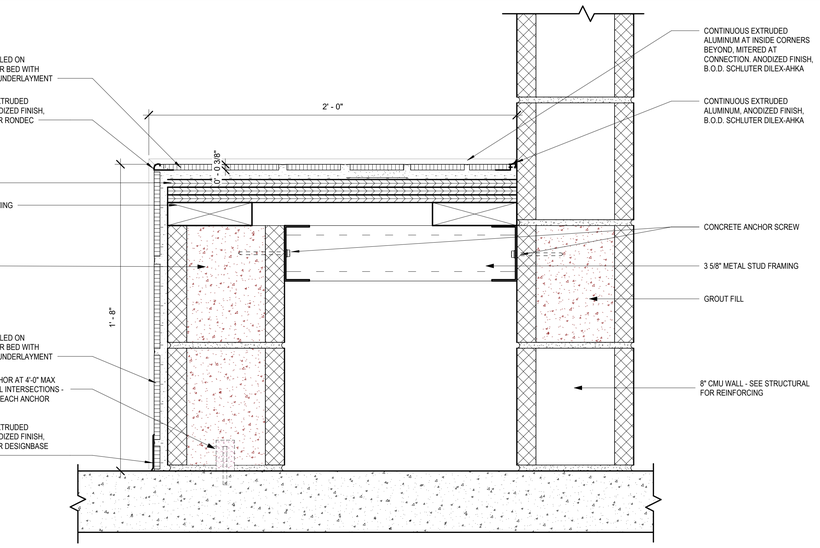

11 / A-514 **ENLARGED ELEVATION - BENCH**
SCALE: 3" = 1'-0"



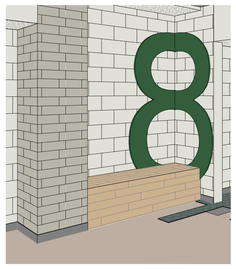
13 / A-514 **3D VIEW - AREA 200 BENCH**
SCALE:



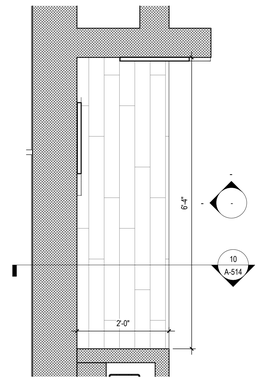

2 / A-514 **PLAN DETAIL - AREA 200 BENCH**
SCALE: 3/4" = 1'-0"




10 / A-514 **INTERIOR SECTION DETAIL - BENCH**
SCALE: 3" = 1'-0"



12 / A-514 **3D VIEW - AREA 100 BENCH**
SCALE:




1 / A-514 **PLAN DETAIL - AREA 100 BENCH**
SCALE: 3/4" = 1'-0"

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Lenoir County
**EB Frink Middle School**
405 North Charles Street La Grange NC, 28551

ENERGY STAR PARTNER

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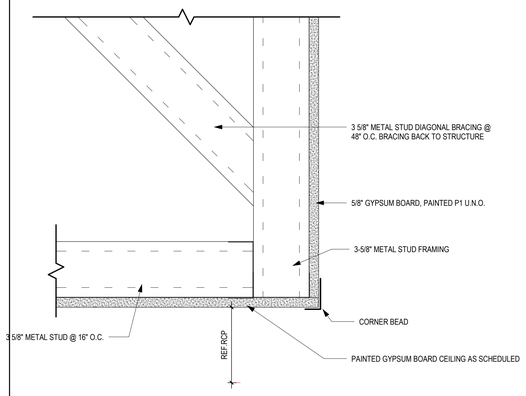
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INTERIOR DETAILS - BENCHES

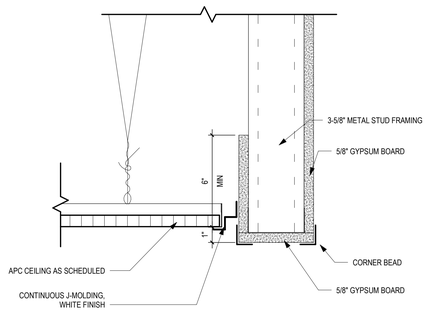
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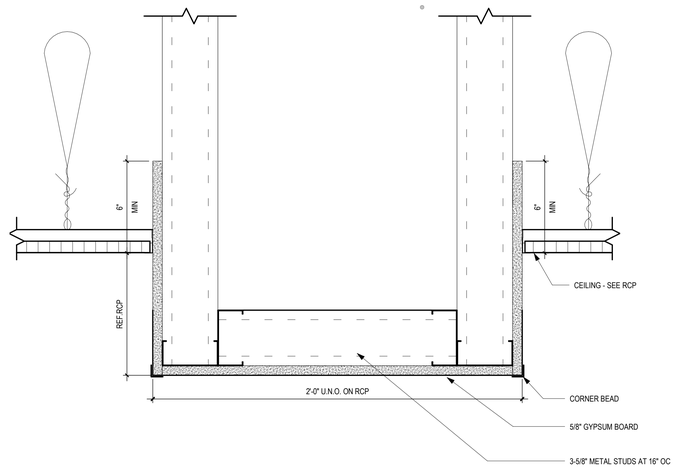
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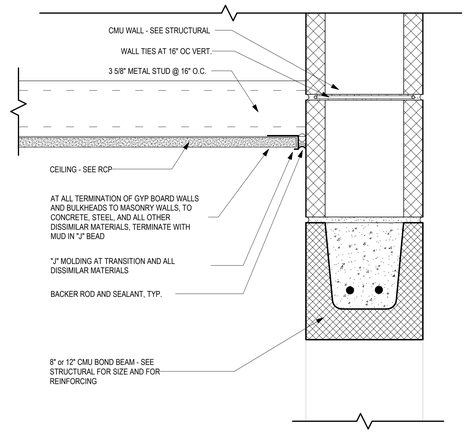

9 A-515 **GYP. BD. FURDOWN**
SCALE: 3" = 1'-0"



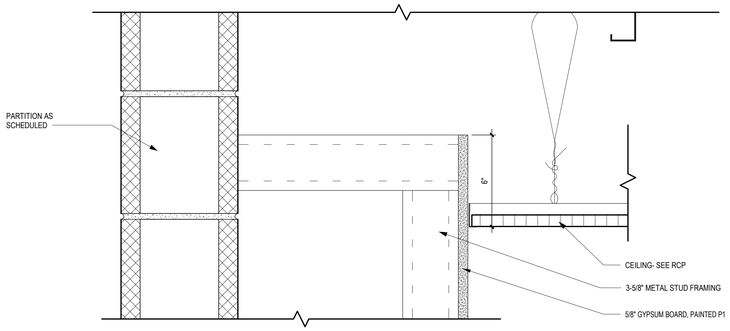

8 A-515 **APC TO BULKHEAD**
SCALE: 3" = 1'-0"

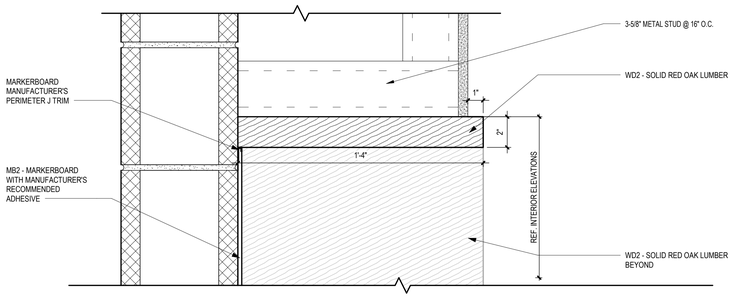



6 A-515 **GYP BULKHEAD**
SCALE: 3" = 1'-0"

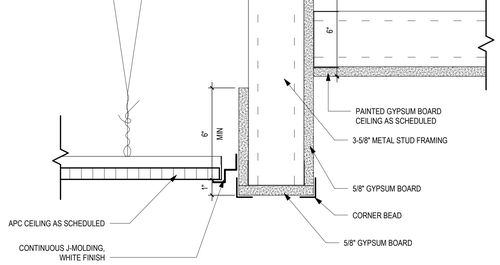



3 A-515 **GYP CEILING TO CMU BOND BEAM**
SCALE: 3" = 1'-0"

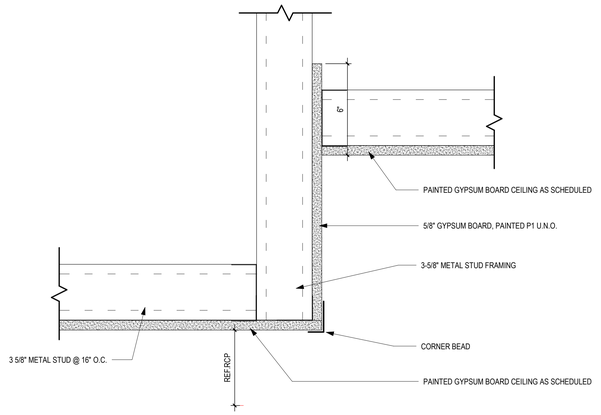


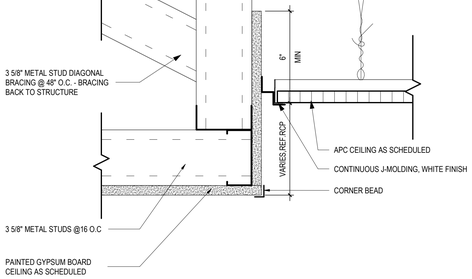

7 A-515 **MEDIA CENTER BULKHEAD DETAIL**
SCALE: 3" = 1'-0"



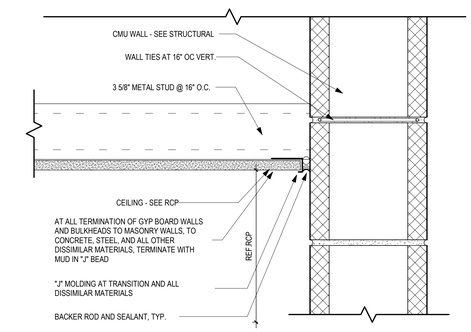

5 A-515 **APC TO GYP. BD. WITH BULKHEAD**
SCALE: 3" = 1'-0"




4 A-515 **GYP. BD. TO GYP. BD. HEIGHT CHANGE**
SCALE: 3" = 1'-0"




2 A-515 **GYP CEILING TO APC TRANSITION**
SCALE: 3" = 1'-0"




1 A-515 **GYP CEILING TO CMU WALL**
SCALE: 3" = 1'-0"

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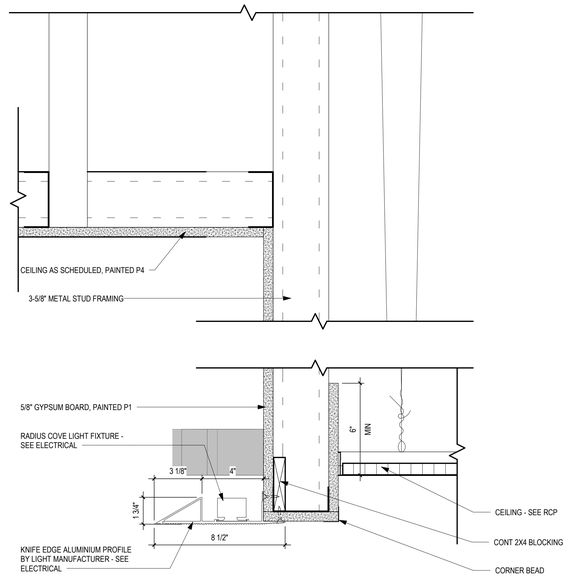
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INTERIOR DETAILS - CEILING

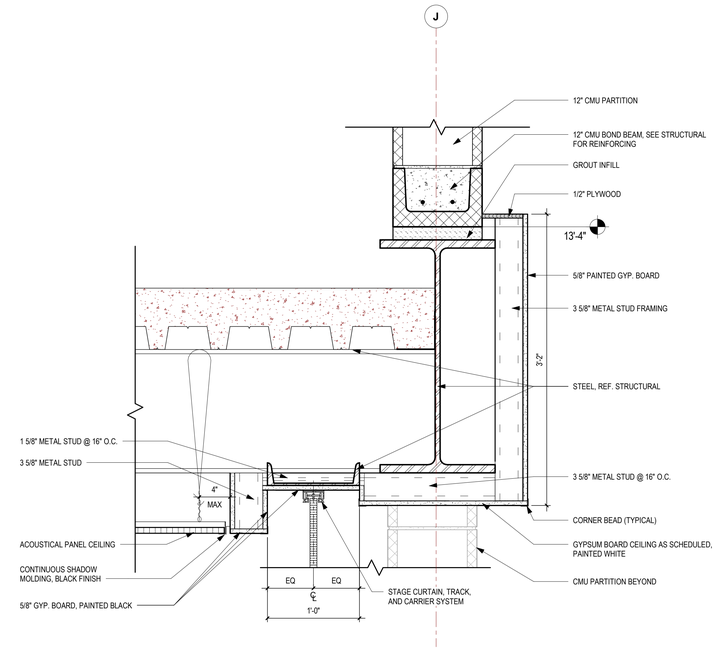
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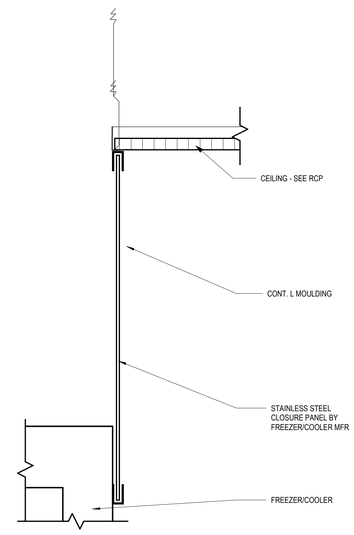
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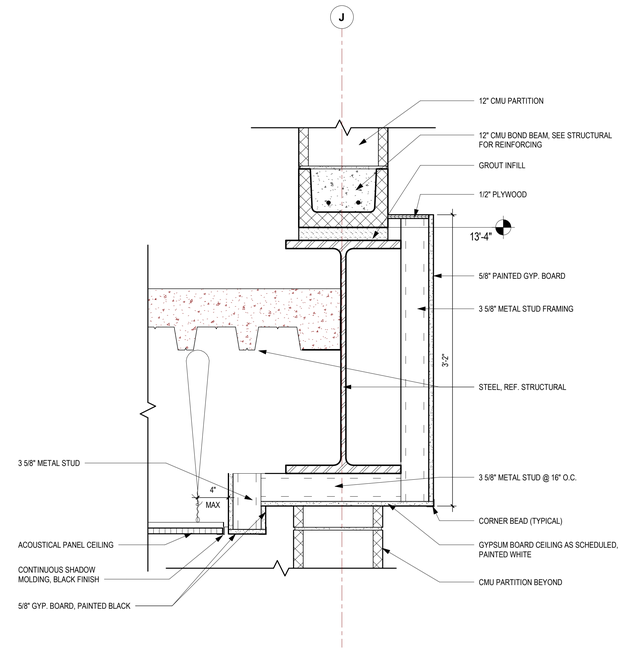

**1 A-516 LOBBY BULKHEAD DETAIL**
SCALE: 3" = 1'-0"



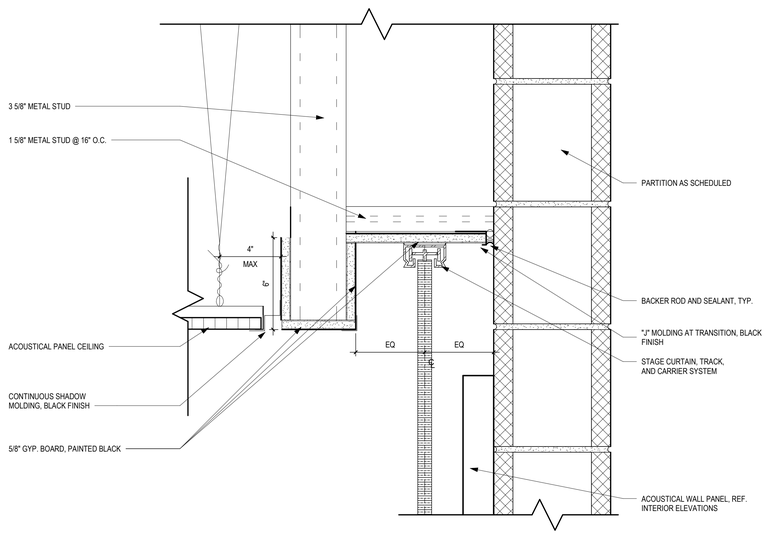

**2 A-516 PLATFORM BULKHEAD @ CURTAIN**
SCALE: 1 1/2" = 1'-0"




**3 A-516 FREEZER CEILING DETAIL**
SCALE: 3" = 1'-0"




**5 A-516 PLATFORM BULKHEAD @ RAMP**
SCALE: 1 1/2" = 1'-0"




**4 A-516 PLATFORM PERIMETER**
SCALE: 3" = 1'-0"

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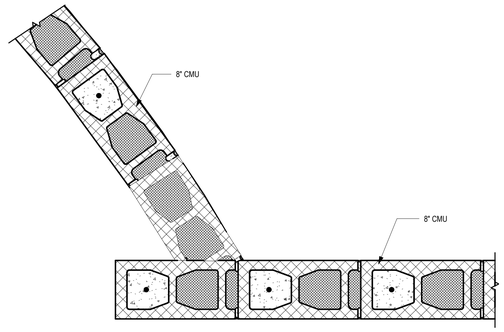
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INTERIOR DETAILS - CEILING

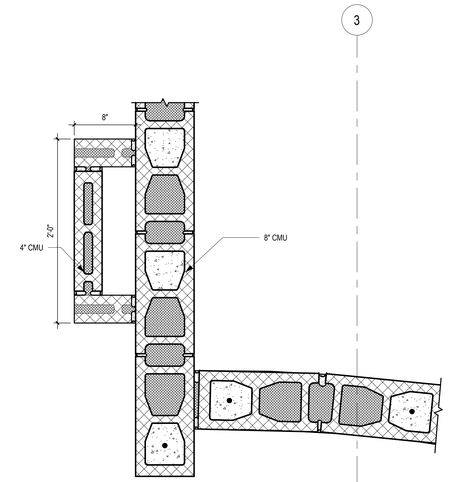
A-516

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2 A-517 **PLAN DTL. - LOBBY 100**
SCALE: 1 1/2" = 1'-0"




1 A-517 **PLAN DTL. - LOBBY**
SCALE: 1 1/2" = 1'-0"

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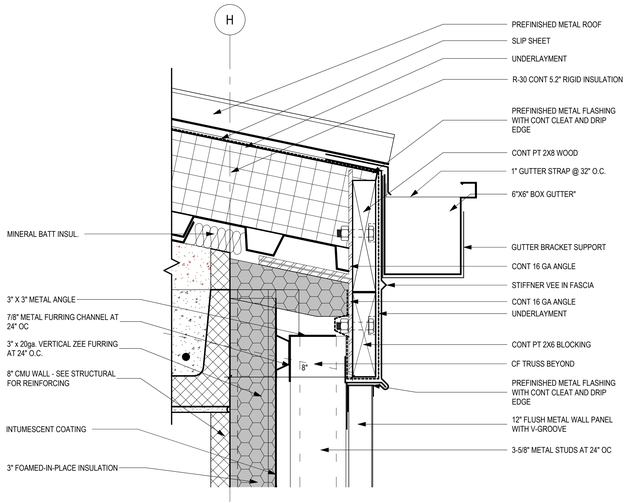
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PLAN DETAIILS

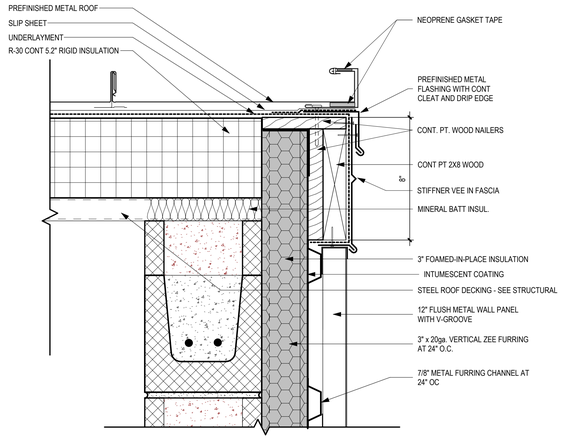
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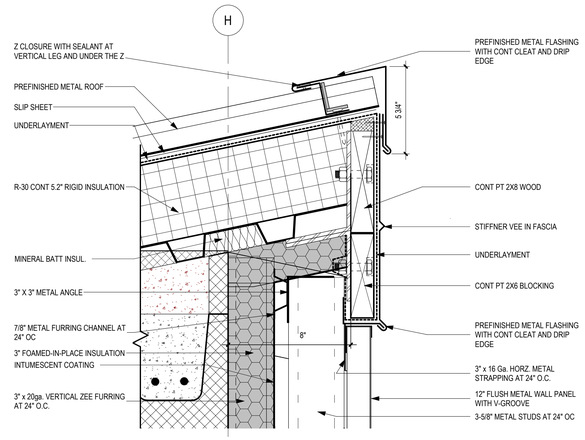
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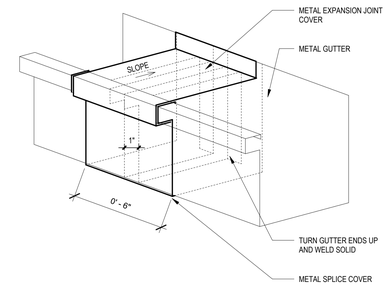

14 A-521 **ROOF DTL - GUTTER @ MTL. ROOF**
SCALE: 3" = 1'-0"



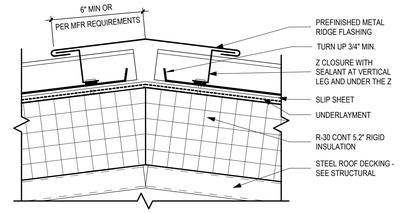

13 A-521 **ROOF DETAIL - RAKE**
SCALE: 3" = 1'-0"



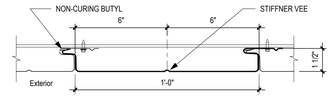

12 A-521 **ROOF DTL - HIGH EAVE @ MTL. ROOF**
SCALE: 3" = 1'-0"




11 A-521 **GUTTER DETAIL - EXPANSION JOIN**
SCALE: 3" = 1'-0"



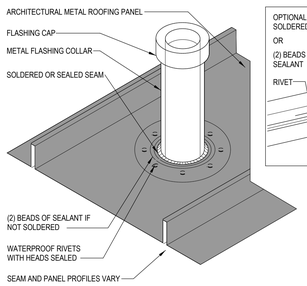

10 A-521 **ROOF DETAIL - RIDGE**
SCALE: 3" = 1'-0"



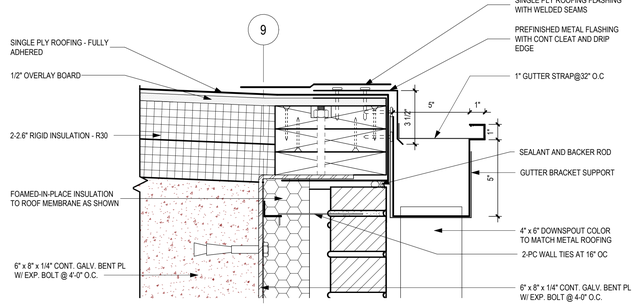

**BASIS OF DESIGN - MRS FLUSH PANEL**

VERTICAL APPLICATION

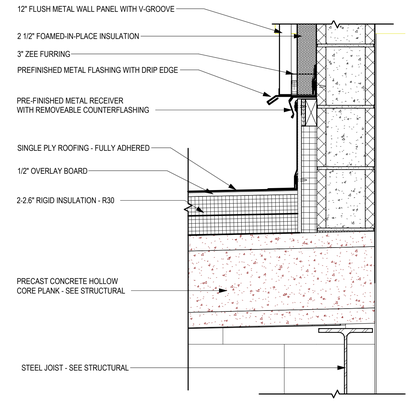
5 A-521 **METAL WALL PANEL PROFILE**
SCALE: 3" = 1'-0"



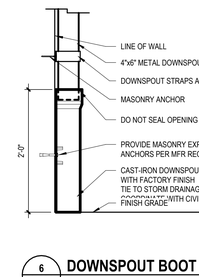

9 A-521 **ROOF DETAIL - PLUMBING VENT**
SCALE: 3" = 1'-0"



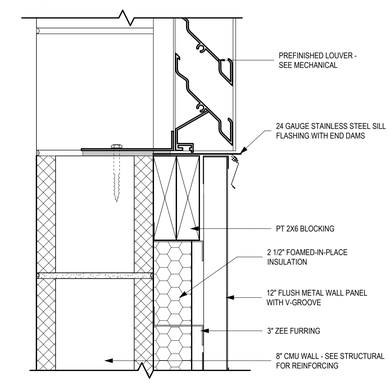

8 A-521 **DETAIL - ROOF GUTTER - TPO**
SCALE: 3" = 1'-0"

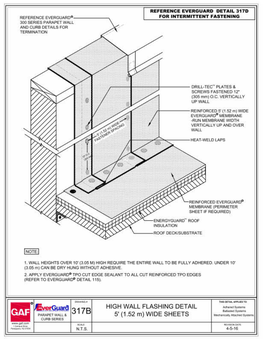


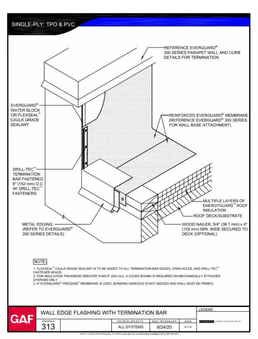

7 A-521 **ROOF DTL. - MECH. ROOM WALL**
SCALE: 1 1/2" = 1'-0"

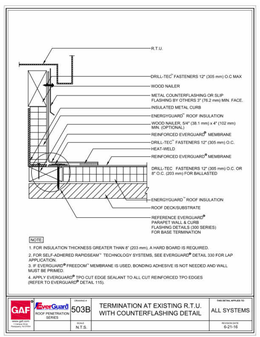


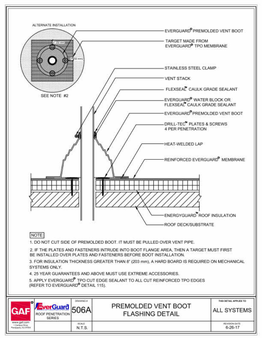

6 A-521 **DOWNSPOUT BOOT**
SCALE: 1" = 1'-0"

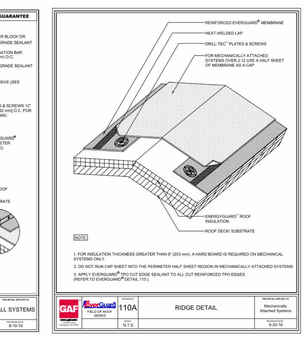


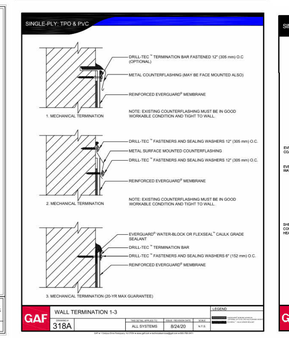



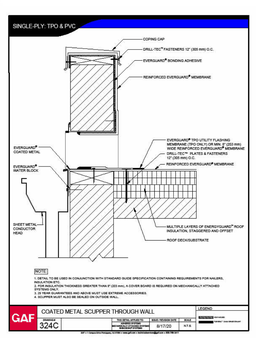



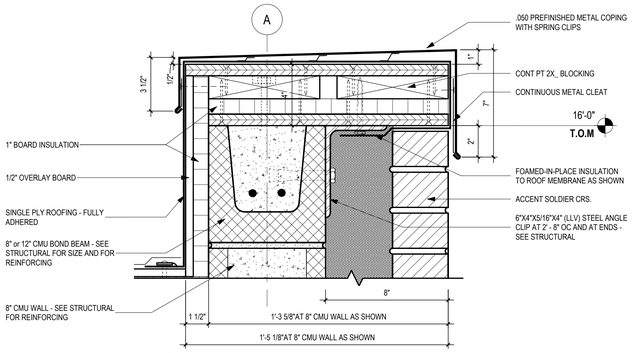

2 A-521 **GAF ROOF DETAILS - BASIS OF DESIGN**
SCALE: 6" = 1'-0"



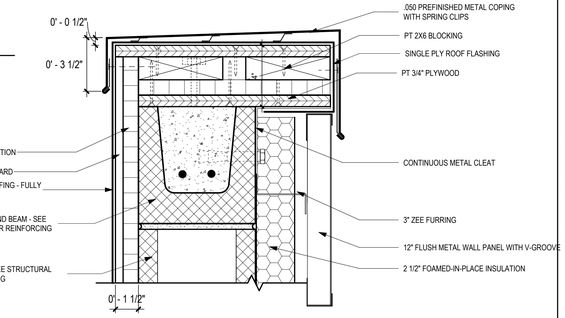







3 A-521 **STANDARD COPING DETAIL - MASONRY**
SCALE: 3" = 1'-0"




1 A-521 **STANDARD COPING DETAIL - MTL PANEL**
SCALE: 3" = 1'-0"

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NORTH CAROLINA
7020
9.12.24
REGISTERED
PROFESSIONAL ENGINEER
FAYETTEVILLE, NC

Construction Documents

Lenoir County
**EB Frink Middle School**
405 North Charles Street La Grange NC, 28551

ENERGY STAR PARTNER

| No. | Date | Description |
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| 1 | 02/18/2025 | BID SET/AGENCY COM. |

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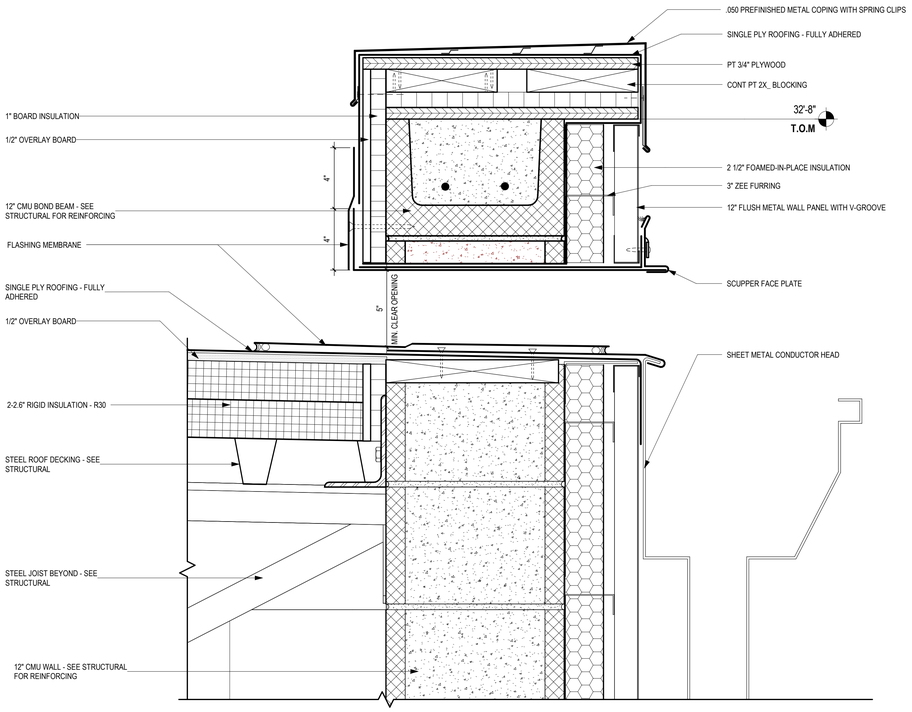
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ROOF DETAILS

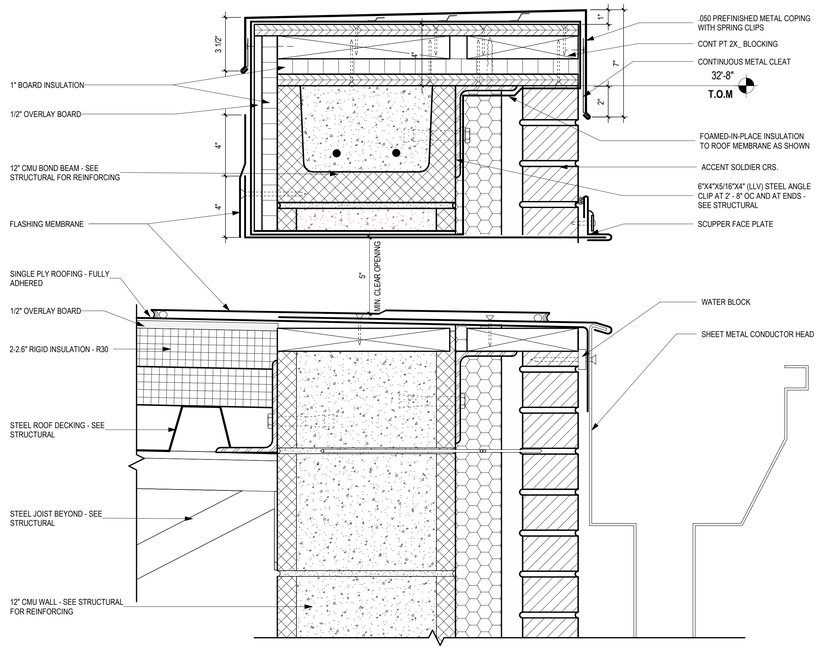
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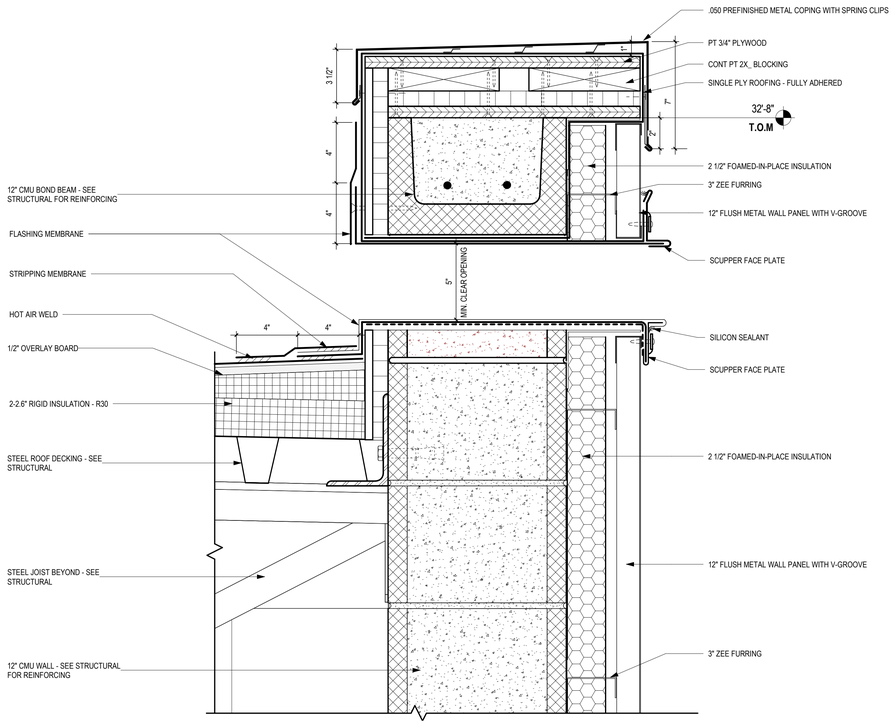
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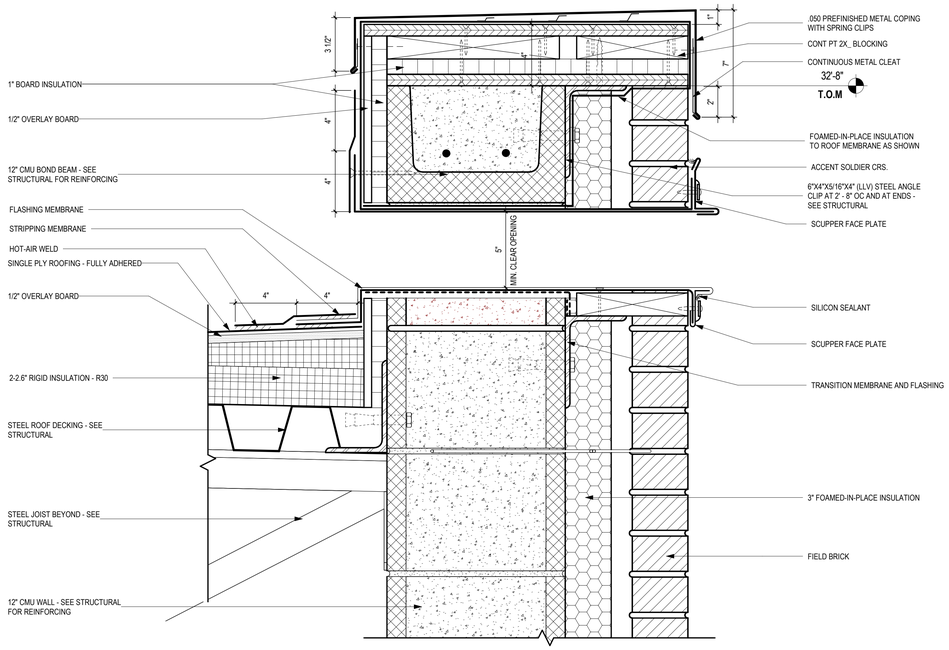

4 A-522 **ROOF DTL. - GYM SCUPPER TO COLLECTOR HEAD DETAIL - MTL PANEL**
SCALE: 3" = 1'-0"




3 A-522 **ROOF DTL. - GYM SCUPPER TO COLLECTOR HEAD DETAIL - MASONRY**
SCALE: 3" = 1'-0"




2 A-522 **OVER FLOW SCUPPER - EIFS**
SCALE: 3" = 1'-0"




1 A-522 **OVER FLOW SCUPPER - MASONRY**
SCALE: 3" = 1'-0"

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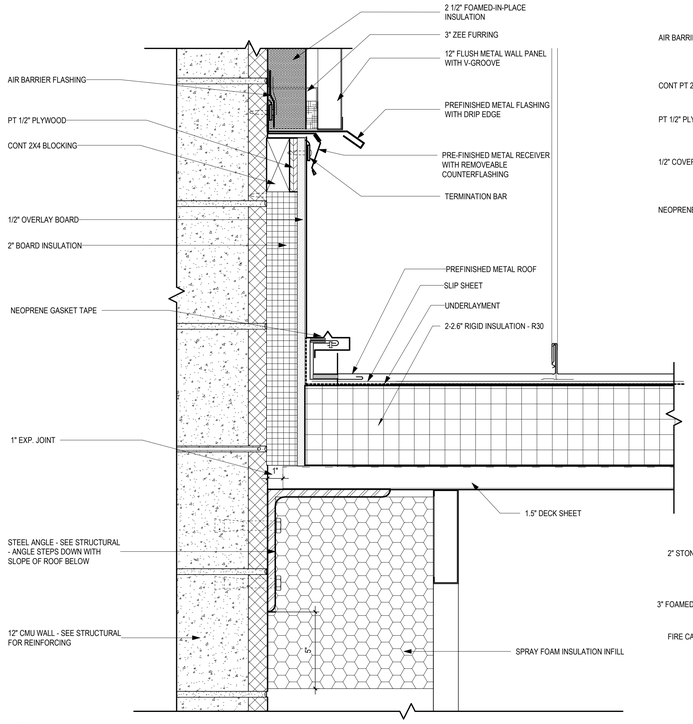
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ROOF DETAILS

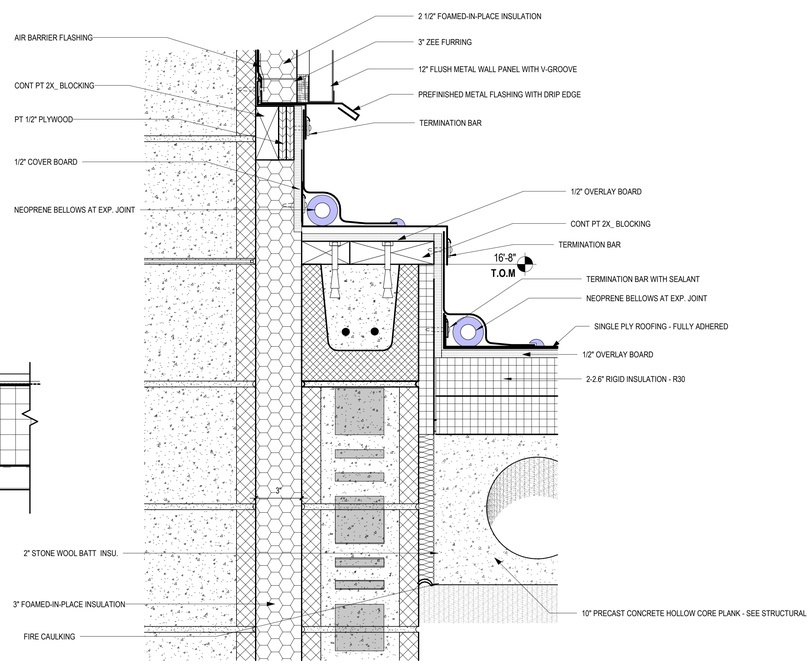
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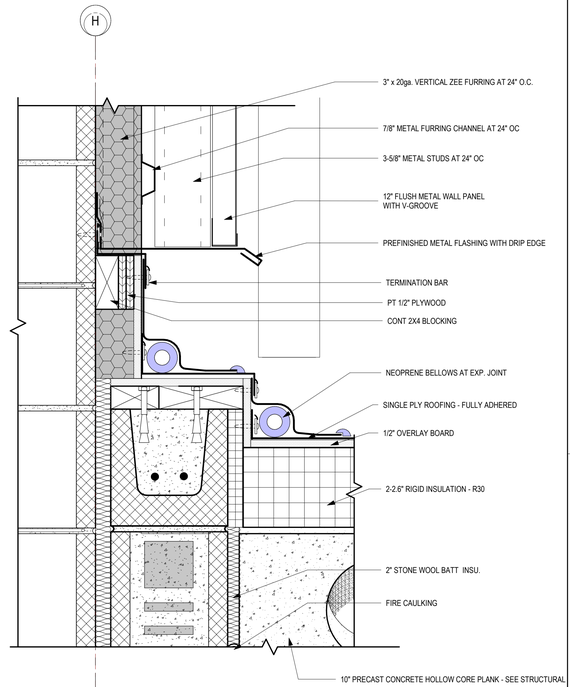
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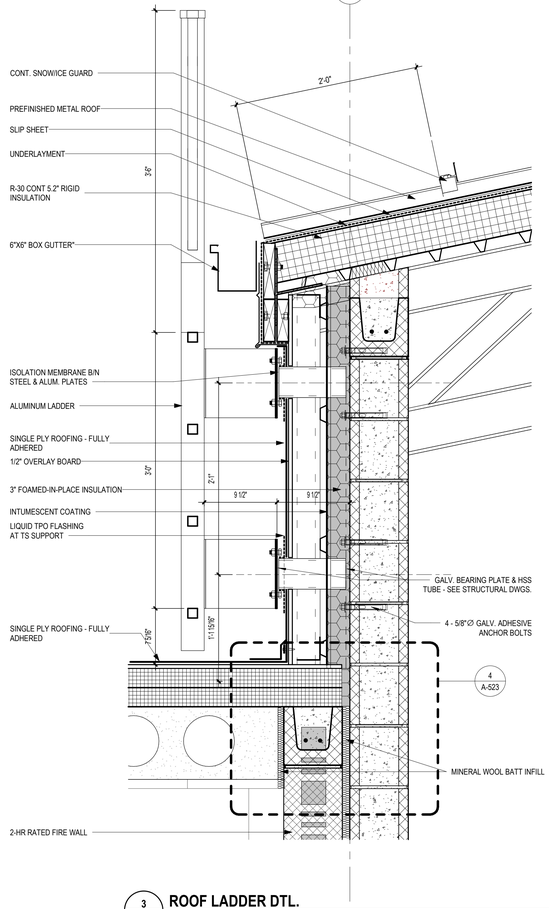

7 A-523 **ROOF DTL. - MTL ROOF TO MTL WALL**
SCALE: 3" = 1'-0"



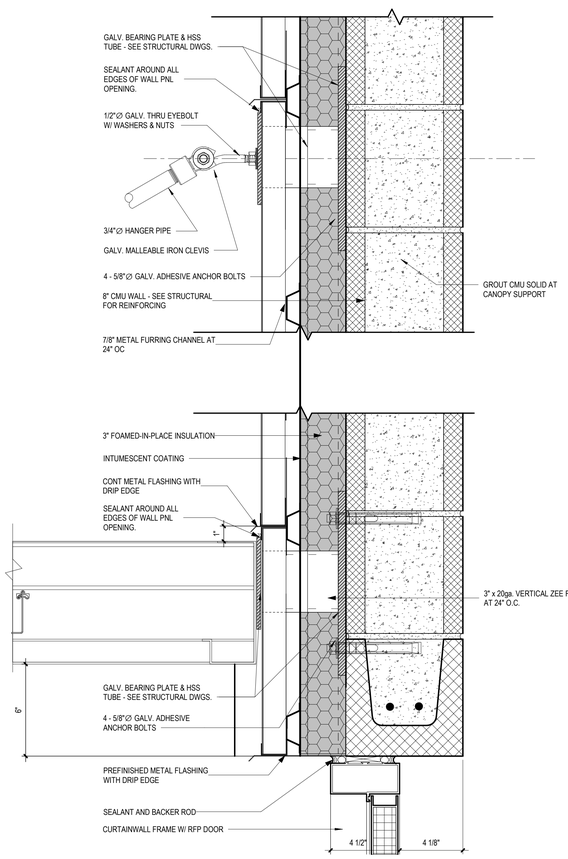

6 A-523 **ROOF DTL. - RATED WALL @ WING TRANSITION**
SCALE: 3" = 1'-0"



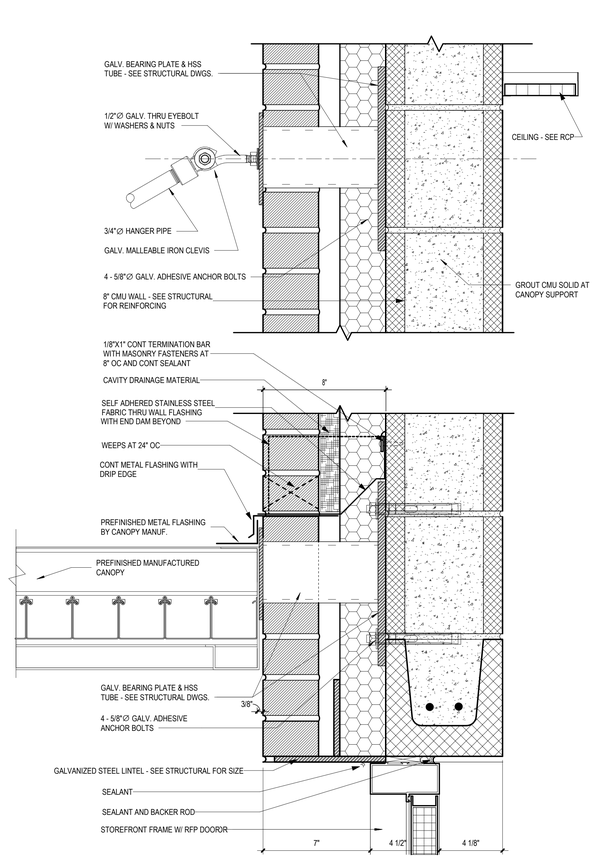

4 A-523 **ROOF DTL - TPO BASE TO MTL WALL PNL COPY**
SCALE: 3" = 1'-0"




3 A-523 **ROOF LADDER DTL.**
SCALE: 1 1/2" = 1'-0"




2 A-523 **WALL SECTION AT AWNING - MTL WALL PNL**
SCALE: 3" = 1'-0"




1 A-523 **WALL SECTION AT AWNING - BRICK**
SCALE: 3" = 1'-0"

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Construction Documents

Lenoir County
**EB Frink Middle School**
405 North Charles Street La Grange NC, 28551

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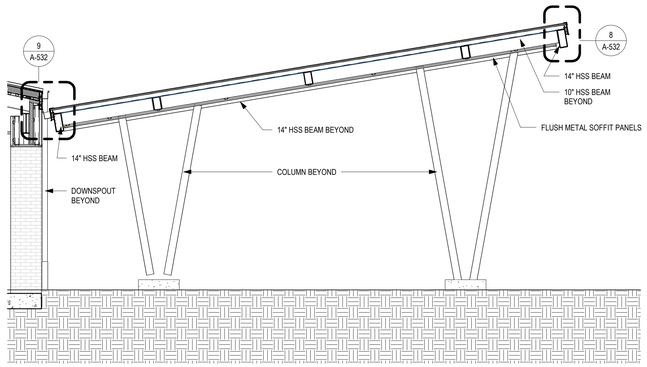
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ROOF & AWNING DETAILS

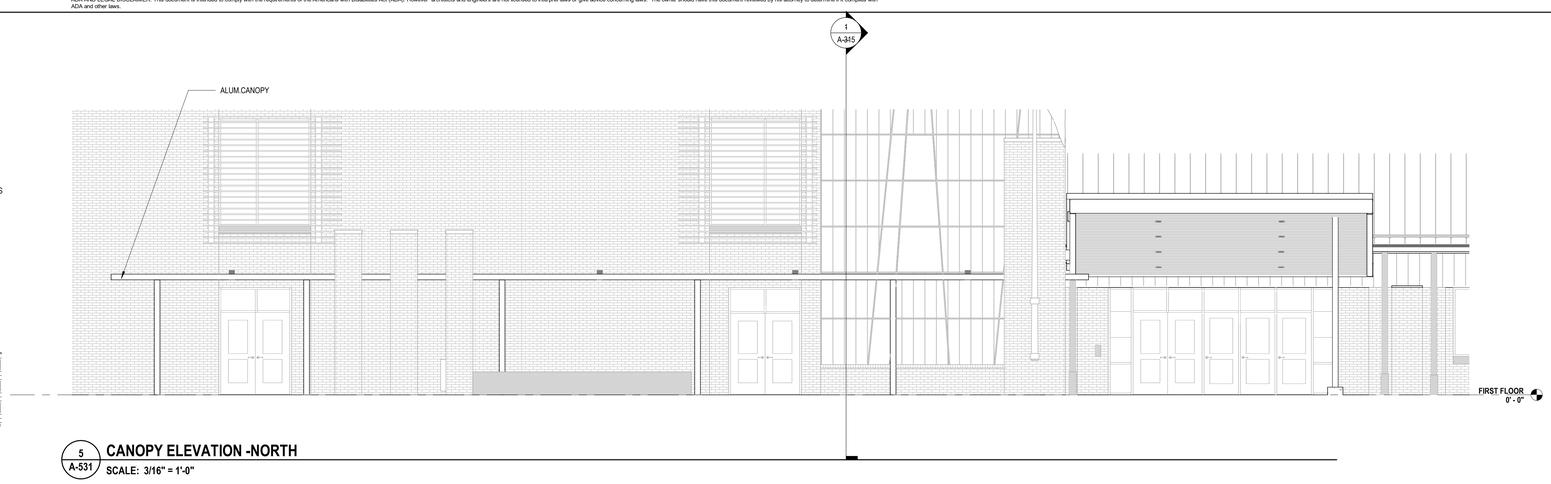
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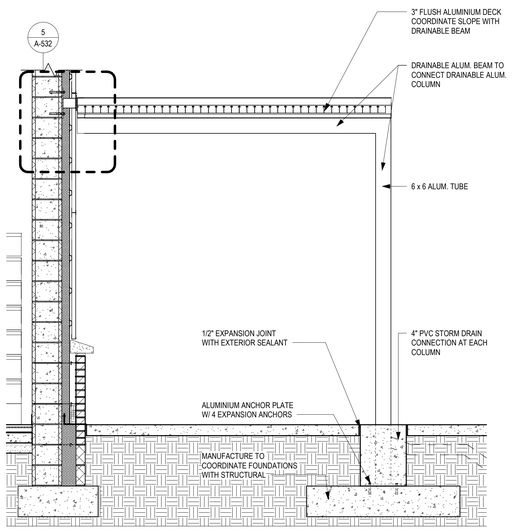
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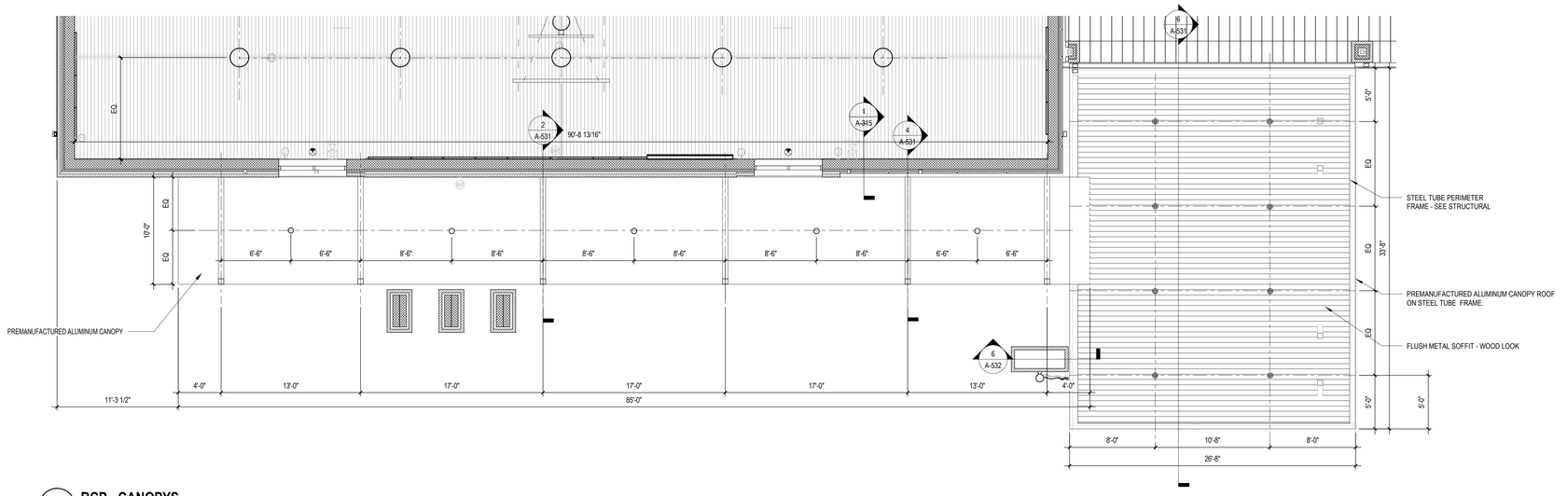

## 6 A-531 ENTRANCE CANOPY SECTION
SCALE: 1/4" = 1'-0"



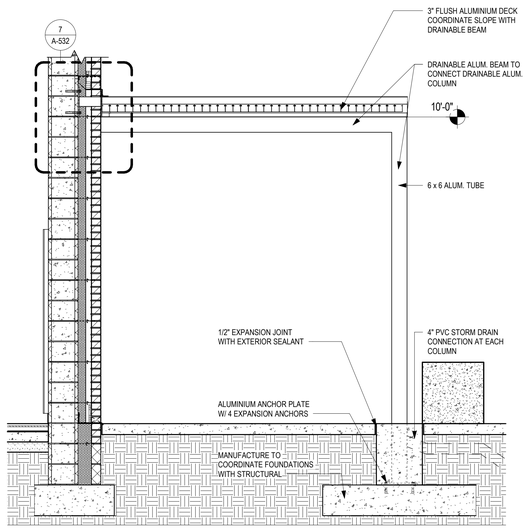

## 5 A-531 CANOPY ELEVATION -NORTH
SCALE: 3/16" = 1'-0"



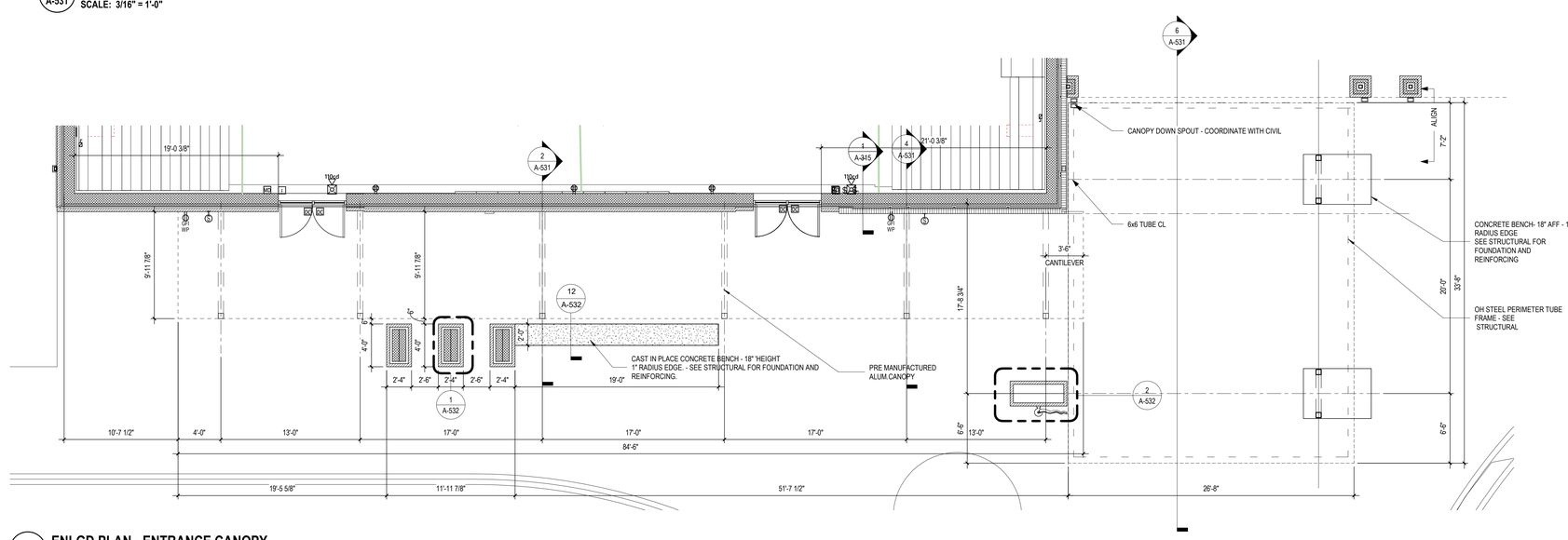

## 4 A-531 GYM CANOPY SECTION 2
SCALE: 1/2" = 1'-0"




## 3 A-531 RCP - CANOPYS
SCALE: 3/16" = 1'-0"




## 2 A-531 GYM CANOPY SECTION
SCALE: 1/2" = 1'-0"




## 1 A-531 ENLGD PLAN - ENTRANCE CANOPY
SCALE: 3/16" = 1'-0"

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Construction Documents

Lenoir County
# EB Frink Middle School
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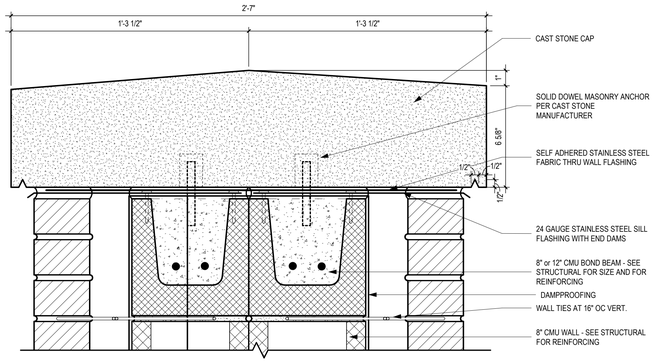
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ENTRY CANOPY ENLARGED PLANS & DETAILS

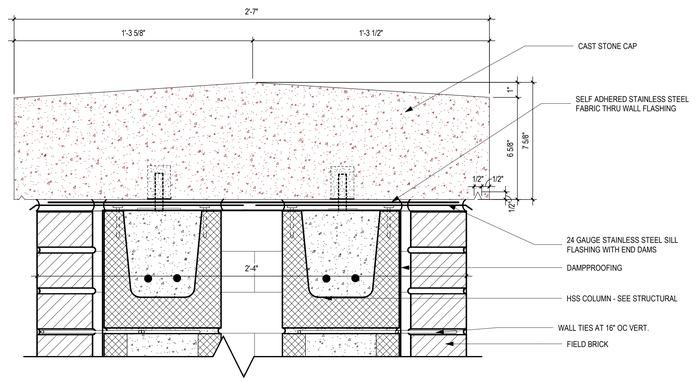
A-531

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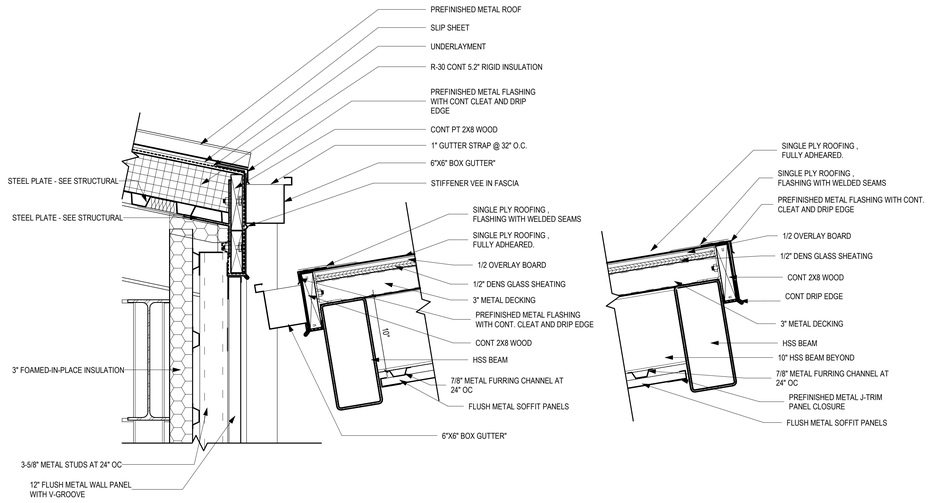
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**11 / A-532 MASONRY CAP AT @ BUS CANOPY**
SCALE: 3" = 1'-0"



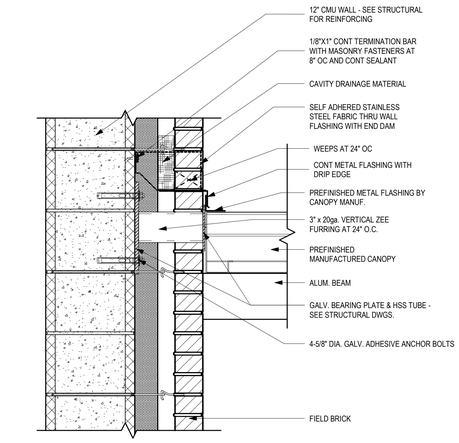

**10 / A-532 MASONRY PIER CAP @ ENTRY CANOPY**
SCALE: 3" = 1'-0"



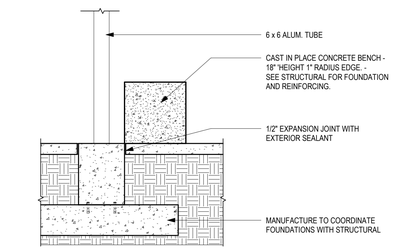

**9 / A-532 ENTRANCE CANOPY SECTION @ BUILDING FACE**
SCALE: 1 1/2" = 1'-0"



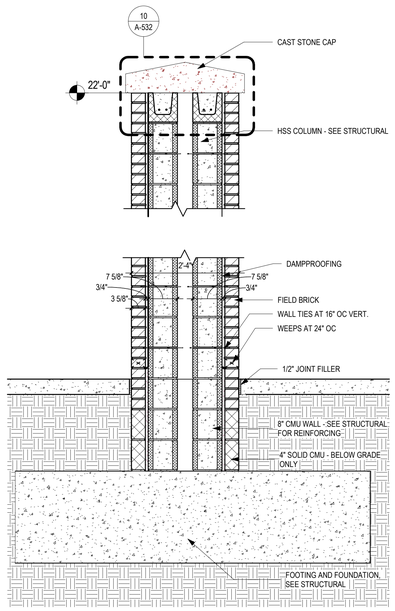

**8 / A-532 ENTRANCE CANOPY SECTION DETAIL**
SCALE: 1 1/2" = 1'-0"



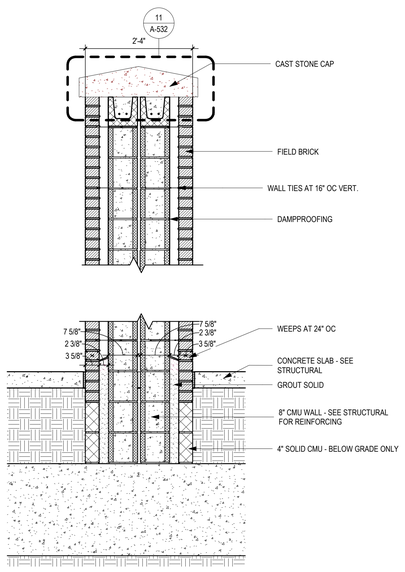

**7 / A-532 WALL SECTION AT GYM CANOPY - BRICK**
SCALE: 1 1/2" = 1'-0"



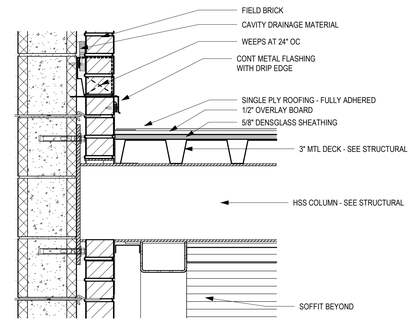

**12 / A-532 SECTION - CIP CONCRETE BENCH**
SCALE: 1/2" = 1'-0"



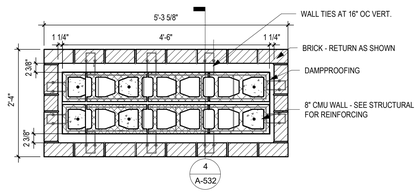

**4 / A-532 MASONRY PIER SECTION @ ENTRY CANOPY**
SCALE: 3/4" = 1'-0"



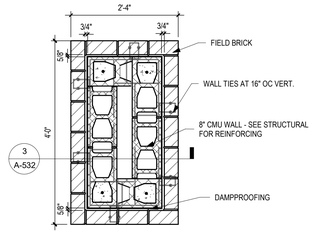

**3 / A-532 MASONRY PIER SECTION 3**
SCALE: 3/4" = 1'-0"



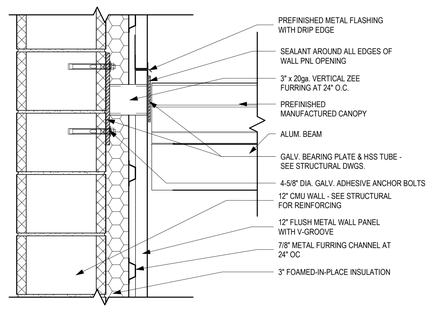

**6 / A-532 CANOPY ROOF TO CANOPY PIER DETIAL**
SCALE: 1 1/2" = 1'-0"




**2 / A-532 ENLGD PLAN - MASONRY PIER 2**
SCALE: 3/4" = 1'-0"




**1 / A-532 ENLGD PLAN - MASONRY PIER**
SCALE: 3/4" = 1'-0"




**5 / A-532 WALL SECTION AT GYM CANOPY - MTL WALL PNL**
SCALE: 1 1/2" = 1'-0"

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Construction Documents

Lenoir County
**EB Frink Middle School**
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ENTRY CANOPY DETAILS

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# DOOR & FRAME SCHEDULE

| To Room: Name | DOOR NO. | DOOR SIZE WIDTH | DOOR SIZE HEIGHT | DOOR SIZE THK | MAT | TYPE | FRAME TYPE | FRAME MATERIAL | FRAME DEPTH | DOOR HW | FIRE RATING | KEYED NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| VESTIBULE | 100A | 6' - 0" | 7' - 2" | 0' - 1 3/4" | FRP | FGM | SF6 | ALUM | 0' - 4 1/2" | 02 | | REMOVEABLE MULLION, ACCESS CNTRL,ADA OPERATOR, PANIC |
| VESTIBULE | 100B | 3' - 0" | 7' - 2" | 0' - 1 3/4" | FRP | FGM | SF6 | ALUM | 0' - 4 1/2" | 03 | | EXIT ONLY, PANIC HARDWARE |
| VESTIBULE | 100C | 3' - 0" | 7' - 2" | 0' - 1 3/4" | FRP | FGM | SF6 | ALUM | 0' - 4 1/2" | 03 | | EXIT ONLY, PANIC HARDWARE |
| VESTIBULE | 100D | 3' - 0" | 7' - 2" | 0' - 1 3/4" | FRP | FGM | SF6 | ALUM | 0' - 4 1/2" | 03 | | EXIT ONLY, PANIC HARDWARE |
| LOBBY | 100E | 6' - 0" | 7' - 2" | 0' - 1 3/4" | FRP | FGM2 | SF7 | ALUM | 0' - 4 1/2" | 04 | | REMOVEABLE MULLION, ACCESS CNTRL,ADA OPERATOR, PANIC |
| LOBBY | 100F | 3' - 0" | 7' - 2" | 0' - 1 3/4" | FRP | FGM | SF7 | ALUM | 0' - 4 1/2" | 05 | | EXIT ONLY, PANIC HARDWARE |
| LOBBY | 100G | 3' - 0" | 7' - 2" | 0' - 1 3/4" | FRP | FGM | SF7 | ALUM | 0' - 4 1/2" | 05 | | EXIT ONLY, PANIC HARDWARE |
| LOBBY | 100H | 3' - 0" | 7' - 2" | 0' - 1 3/4" | FRP | FGM | SF7 | ALUM | 0' - 4 1/2" | 06 | | EXIT ONLY, PANIC HARDWARE |
| RECPT | 101A | 3' - 0" | 7' - 2" | 0' - 1 3/4" | FRP | FGM | SF9 | ALUM | 0' - 4 1/2" | 07 | | ACCESS CONTROL, CLOSER |
| RECPT | 101B | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | N | 1 | ALUM | 0' - 5 3/4" | 08 | | ACCESS CONTROL (2 SIDE), CLOSER |
| CORR. | 101C | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | N | 1 | ALUM | 0' - 5 3/4" | 09 | | ACCESS CONTROL, CLOSER |
| CORRIDOR | 101D | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | HG | SF2 | ALUM | 0' - 5 3/4" | 10 | | |
| HEALTH | 102 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | N | 1 | ALUM | 0' - 5 3/4" | 11 | | |
| HEALTH TLT | 102A | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 5 3/4" | 12 | | CLOSER |
| PRINCIPAL | 103 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | N | 1 | ALUM | 0' - 5 3/4" | 13 | | |
| STG | 104 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 5 3/4" | 11 | | |
| CORR. | 105 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 5 3/4" | 12 | | |
| SECTY. | 106 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | N | 1 | ALUM | 0' - 5 3/4" | 13 | | |
| TLT | 107 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 5 3/4" | 12 | | |
| CONF | 108 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | N | 1 | ALUM | 0' - 5 3/4" | 11 | | |
| STG | 109 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | N | 1 | ALUM | 0' - 5 3/4" | 11 | | |
| BKKPG | 110 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 5 3/4" | 13 | | |
| CORR. | 111 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | N | 1 | ALUM | 0' - 5 3/4" | 11 | | |
| RECORDS | 112 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 5 3/4" | 14 | | CLOSER |
| SHARED OFFICE | 113 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | N | 1 | ALUM | 0' - 5 3/4" | 13 | | |
| IDF | 114 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | N | 1 | ALUM | 0' - 5 3/4" | 15 | | ACCESS CONTROL, CLOSER |
| MAILROOM | 115 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | N | 1 | ALUM | 0' - 5 3/4" | 16 | | |
| AP | 116 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | HG | SF2 | ALUM | 0' - 5 3/4" | 13 | | |
| AP | 117 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | HG | SF2 | ALUM | 0' - 5 3/4" | 13 | | |
| GYMNASIUM | 118A | 6' - 0" | 7' - 2" | 0' - 1 3/4" | FRP | FGM2 | SF10 | ALUM | 0' - 4 1/2" | 17 | | PANIC HARDWARE |
| GYMNASIUM | 118B | 6' - 0" | 7' - 2" | 0' - 1 3/4" | FRP | FGM2 | SF11 | ALUM | 0' - 4 1/2" | 18 | | INSULATED, FLUSH FRP, REMOVEABLE MULLION,ACCESS CNTRL, PANIC |
| GYMNASIUM | 118C | 6' - 0" | 7' - 2" | 0' - 1 3/4" | FRP | FGM2 | SF11 | ALUM | 0' - 4 1/2" | 19 | | INSULATED, FLUSH FRP, REMOVEABLE MULLION, PANIC |
| GYMNASIUM | 118D | 6' - 0" | 7' - 1" | 0' - 1 3/4" | FRP | FGM2 | SF11 | ALUM | 0' - 4 1/2" | 19 | | INSULATED, FLUSH FRP, REMOVEABLE MULLION, PANIC |
| CONCS | 119 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | N | 1 | HM | 0' - 8 3/4" | 20 | | |
| CONCS | 119B | 4' - 0" | 4' - 6" | 0' - 1 3/4" | STEEL | CC | CC | ALUM | 0' - 8 3/4" | 01 | | INSIDE LOCK |
| OFFICE | 120 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | N | 1 | HM | 0' - 8 3/4" | 13 | | |
| GYM STG | 122A | 6' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F(2) | 1 | HM | 0' - 4 1/2" | 21 | | |
| GYM STG | 122B | 6' - 0" | 7' - 2" | 0' - 1 3/4" | FRP | F(2) | 3 | ALUM | 0' - 4 1/2" | 22 | | ACCESS CONTROL |
| GYM STG | 124 | 6' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F(2) | 1 | HM | 0' - 4 1/2" | 21 | | |
| MECH | 125 | 6' - 0" | 7' - 2" | 0' - 1 3/4" | FRP | F(2) | 3 | ALUM | 0' - 4 1/2" | 22 | | TRANSOM WITH LOUVER, ACCESS CONTROL |
| JAN | 128 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 5 3/4" | 23 | | |
| FAMILY TLT | 129 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 5 3/4" | 24 | | CLOSER |
| CORRIDOR | 200.1 | 8' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 3 | HM | 0' - 8 3/4" | 25 | | MHO, ACCESS CONTROL, PANIC |
| CORRIDOR | 200.X | 6' - 0" | 7' - 2" | 0' - 1 3/4" | FRP | FGM2 | SF22 | ALUM | 0' - 4 1/2" | 18 | | REMOVEABLE MULLION, ACCESS CONTROL, PANIC |
| HEALTH/PE | 201 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | SF2 | ALUM | 0' - 8 3/4" | 26 | -- | PANIC HARDWARE |
| HEALTH/PE | 201X | 3' - 0" | 7' - 0" | 0' - 1 3/4" | FRP | FGM | SF21 | ALUM | 0' - 4 1/2" | 27 | | PANIC HARDWARE |
| BUSINESS EDU | 202 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | HG | SF2 | ALUM | 0' - 5 3/4" | 28 | | |
| GUIDANCE MTG | 203 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | HG | SF2 | ALUM | 0' - 5 3/4" | 29 | | |
| GUID. OFC | 203A | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | N | 1 | ALUM | 0' - 5 3/4" | 30 | | |
| GUID. OFC | 203B | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | N | 1 | ALUM | 0' - 5 3/4" | 13 | | |
| MEDIA | 204.1 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | FRP | FGM | SF12 | ALUM | 0' - 4 1/2" | 31 | | PANIC HARDWARE |
| MEDIA | 204.2 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | FRP | FGM | SF12 | ALUM | 0' - 4 1/2" | 26 | | PANIC HARDWARE |
| MEDIA WKRM | 204A | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | HG | SF2 | ALUM | 0' - 5 3/4" | 11 | | |
| MEDIA CONF | 204B | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | HG | SF2 | ALUM | 0' - 5 3/4" | 11 | | |
| STG | 204C | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 5 3/4" | | | |
| MEDIA | 204X | 3' - 0" | 7' - 2" | 0' - 1 3/4" | FRP | FGM | SF20 | ALUM | 0' - 4 1/2" | 27 | | ACCESS CONTROL, PANIC |
| BOOK STG | 205 | 3' - 6" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 8 3/4" | 14 | | CLOSER |
| JAN | 208 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 8 3/4" | 32 | | |
| SRO | 209 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | HG | SF2 | ALUM | 0' - 5 3/4" | 13 | | |
| ISS | 211 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | HG | SF2 | ALUM | 0' - 5 3/4" | 33 | | |
| DINING | 212.1X | 3' - 0" | 7' - 2" | 0' - 1 3/4" | FRP | FGM | SF20 | ALUM | 0' - 4 1/2" | 27 | | ACCESS CONTROL, PANIC |
| DINING | 212.2X | 3' - 0" | 7' - 2" | 0' - 1 3/4" | FRP | FGM | SF20 | ALUM | 0' - 4 1/2" | 27 | | ACCESS CONTROL, PANIC |
| DINING | 212B | 6' - 0" | 7' - 0" | 0' - 1 3/4" | WD | F(2) | 1 | ALUM | 0' - 4 1/2" | 17 | | PANIC HARDWARE |
| DINING | 212C | 6' - 0" | 7' - 0" | 0' - 1 3/4" | WD | F(2) | 1 | ALUM | 0' - 4 1/2" | 17 | | PANIC HARDWARE |
| SERVING | 214.1 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 8 3/4" | 34 | | |
| SERVING | 214.2 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 8 3/4" | 34 | | |
| DINING | 214.3 | 14' - 8" | 7' - 4" | 0' - 1 3/4" | STEEL | CD | CD | STEEL | | 01 | | OVERHEAD COILING GRILLE |
| DRY STOR | 214A | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 8 3/4" | 11 | | |
| OFFICE | 214D | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | HG | 1 | ALUM | 0' - 5 3/4" | 30 | | |
| TLT | 214E | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 8 3/4" | 35 | | |
| DISHWASHING | 214J | 4' - 0" | 4' - 6" | 0' - 1 3/4" | STEEL | CC | CC | ALUM | | 01 | | |
| KITCHEN | 214X | 3' - 6" | 7' - 2" | 0' - 1 3/4" | FRP | N | 1 | ALUM | 0' - 4 1/2" | 36 | | ACCESS CONTROL, PANIC |
| ART | 215 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | HG | SF2 | ALUM | 0' - 5 3/4" | 26 | | PANIC HARDWARE |
| ART STG | 215A | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 8 3/4" | 11 | | |
| KILN | 215B | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 8 3/4" | 37 | | |
| ART | 215X | 3' - 0" | 7' - 2" | 0' - 1 3/4" | FRP | FGM | SF21 | ALUM | 0' - 4 1/2" | 27 | | PANIC HARDWARE |
| STAIR | 216 | 3' - 6" | 7' - 2" | 0' - 1 3/4" | INSUL HM | F | 1 | HM | 0' - 4 1/2" | 38 | 90 | INSULATED,ACCESS CONTROL,PANIC |
| | 217 | 6' - 0" | 7' - 1" | 0' - 1 3/4" | FRP | FGM2 | SF11 | ALUM | 0' - 4 1/2" | 19 | | INSULATED, FLUSH FRP, REMOVEABLE MULLION, PANIC |
| JAN | 219 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 8 3/4" | 32 | | |
| COLLABORATION | 300 | 8' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 3 | HM | 0' - 5 3/4" | 39 | 90 | MHO, ACCESS CONTROL, PANIC |
| MECH | 300A | 3' - 6" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 4 1/2" | 40 | | |
| MECH | 300B | 3' - 6" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 4 1/2" | 40 | | |
| MECH | 300C | 7' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F(2) | 3 | ALUM | 0' - 4 1/2" | 41 | | |
| MECH | 300D | 7' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F(2) | 3 | ALUM | 0' - 4 1/2" | 41 | | |
| MECH | 300E | 7' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F(2) | 3 | ALUM | 0' - 8 3/4" | 41 | | |
| MECH | 300F | 7' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F(2) | 3 | ALUM | 0' - 4 1/2" | 41 | | |
| MECH | 300G | 7' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F(2) | 3 | ALUM | 0' - 8 3/4" | 41 | | |
| MECH | 300H | 7' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F(2) | 3 | ALUM | 0' - 4 1/2" | 41 | | |
| PUMP | 300J | 6' - 0" | 7' - 2" | 0' - 1 3/4" | FRP | F(2) | 3 | ALUM | 0' - 4 1/2" | 22 | | |
| COLLABORATION | 300X | 6' - 0" | 7' - 2" | 0' - 1 3/4" | FRP | FGM2 | SF16 | ALUM | 0' - 4 1/2" | 18 | | REMOVEABLE MULLION, ACCESS CONTROL, PANIC |
| SENSORY RM | 301 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 4 1/2" | 07 | | ACCESS CONTROL, CLOSER |
| STAFF TLT | 301A | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 8 3/4" | 42 | | CLOSER |

# DOOR & FRAME SCHEDULE

| To Room: Name | DOOR NO. | DOOR SIZE WIDTH | DOOR SIZE HEIGHT | DOOR SIZE THK | MAT | TYPE | FRAME TYPE | FRAME MATERIAL | FRAME DEPTH | DOOR HW | FIRE RATING | KEYED NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EC | 302.1 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 4 1/2" | 43 | | ACCESS CONTROL, PANIC HARDWARE, ALARM |
| EC | 302.2 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 4 1/2" | 43 | | PANIC HARDWARE, ALARM |
| TLT/SHW | 302A | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 8 3/4" | 12 | | ACCESS CONTROL, CLOSER |
| EXTRA CLASS | 303 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 4 1/2" | 33 | | |
| 8TH GRADE | 304 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 4 1/2" | 33 | | |
| 8TH GRADE | 305 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 4 1/2" | 33 | | |
| 8TH GRADE | 306 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 4 1/2" | 33 | | |
| STAFF TLT | 307 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 4 1/2" | 35 | | CLOSER |
| JAN | 310 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 4 1/2" | 23 | | |
| IDF | 311 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 3 | ALUM | 0' - 8 3/4" | 09 | | ACCESS CONTROL, CLOSER |
| 8TH GRADE SCIENCE | 312 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 4 1/2" | 26 | | PANIC HARDWARE |
| 8TH GRADE SCIENCE | 312X | 3' - 0" | 7' - 2" | 0' - 1 3/4" | FRP | F | 1 | ALUM | 0' - 8 3/4" | 44 | | ACCESS CONTROL, PANIC HARDWEAR |
| 8TH GRADE | 313 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 4 1/2" | 33 | | |
| 8TH GRADE | 315 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 4 1/2" | 33 | | |
| 8TH GRADE SCIENCE | 316 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 4 1/2" | 26 | | PANIC HARDWARE |
| 8TH GRADE SCIENCE | 316X | 3' - 0" | 7' - 2" | 0' - 1 3/4" | FRP | F | 1 | ALUM | 0' - 8 3/4" | 44 | | ACCESS CONTROL, PANIC HARDWEAR |
| 8TH GRADE | 317 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 4 1/2" | 33 | | |
| PREP RM | 318A | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 8 3/4" | 45 | | |
| PREP RM | 318B | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 8 3/4" | 45 | | |
| CORRIDOR | 400 | 8' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 3 | HM | 0' - 5 3/4" | 39 | 90 | MHO, ACCESS CONTROL, PANIC |
| MECH | 400A | 3' - 6" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 8 3/4" | 40 | | |
| MECH | 400B | 3' - 6" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 8 3/4" | 40 | | |
| MECH | 400C | 7' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F(2) | 3 | ALUM | 0' - 8 3/4" | 41 | | |
| MECH | 400D | 7' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F(2) | 3 | ALUM | 0' - 8 3/4" | 41 | | |
| MECH | 400E | 7' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F(2) | 3 | ALUM | 0' - 8 3/4" | 41 | | |
| MECH | 400F | 7' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F(2) | 3 | ALUM | 0' - 8 3/4" | 41 | | |
| MECH | 400G | 7' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F(2) | 3 | ALUM | 0' - 8 3/4" | 41 | | |
| MECH | 400H | 7' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F(2) | 3 | ALUM | 0' - 8 3/4" | 41 | | |
| PUMP | 400J | 6' - 0" | 7' - 2" | 0' - 1 3/4" | FRP | F(2) | 3 | ALUM | 0' - 4 1/2" | 22 | | |
| CORRIDOR | 400X | 6' - 0" | 7' - 2" | 0' - 1 3/4" | FRP | FGM2 | SF16 | ALUM | 0' - 4 1/2" | 18 | | REMOVEABLE MULLION, ACCESS CONTROL, PANIC |
| RESOURCE RM | 401 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | N | 1 | ALUM | 0' - 8 3/4" | 33 | | |
| STAFF TLT | 401A | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 8 3/4" | 42 | | CLOSER |
| EC | 402A | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 4 1/2" | 26 | | PANIC HARDWARE |
| EC | 402B | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 4 1/2" | 26 | | PANIC HARDWARE |
| EC | 402C | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 8 3/4" | 12 | | ACCESS CONTROL, CLOSER |
| TLT/CHG | 402D | 5' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F(2) | 3 | ALUM | | 46 | | |
| 7TH GRADE | 403 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | N | 1 | ALUM | 0' - 8 3/4" | 33 | | |
| 7TH GRADE | 404 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 4 1/2" | 33 | | |
| 7TH GRADE | 405 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 4 1/2" | 33 | | |
| STAFF TLT | 406 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 4 1/2" | 47 | | CLOSER |
| JAN | 409 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 4 1/2" | 23 | | |
| IDF | 410 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 3 | ALUM | 0' - 8 3/4" | 09 | | ACCESS CONTROL, CLOSER |
| 7TH GRADE SCIENCE | 411 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 8 3/4" | 26 | | PANIC HARDWARE |
| 7TH GRADE SCIENCE | 411X | 3' - 0" | 7' - 2" | 0' - 1 3/4" | FRP | F | 1 | ALUM | 0' - 8 3/4" | 44 | | ACCESS CONTROL, PANIC |
| 7TH GRADE | 412 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 4 1/2" | 33 | | |
| 7TH GRADE | 414 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 4 1/2" | 33 | | |
| 7TH GRADE SCIENCE | 415 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 4 1/2" | 26 | | PANIC HARDWARE |
| 7TH GRADE SCIENCE | 415X | 3' - 0" | 7' - 2" | 0' - 1 3/4" | FRP | F | 1 | ALUM | 0' - 8 3/4" | 44 | | ACCESS CONTROL, PANIC |
| 7TH GRADE | 416 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 8 3/4" | 33 | | |
| CORRIDOR | 417 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 8 3/4" | 33 | | |
| PREP RM | 418A | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 8 3/4" | 45 | | |
| PREP RM | 418B | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 8 3/4" | 45 | | |
| CORRIDOR | 500 | 8' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 3 | HM | 0' - 5 3/4" | 39 | 90 | MHO, ACCESS CONTROL, PANIC |
| MECH | 500A | 3' - 6" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 8 3/4" | 40 | | |
| MECH | 500B | 3' - 6" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 8 3/4" | 40 | | |
| MECH | 500C | 7' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F(2) | 3 | ALUM | 0' - 8 3/4" | 41 | | |
| MECH | 500D | 7' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F(2) | 3 | ALUM | 0' - 8 3/4" | 41 | | |
| MECH | 500E | 7' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F(2) | 3 | ALUM | 0' - 8 3/4" | 41 | | |
| MECH | 500F | 7' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F(2) | 3 | ALUM | 0' - 8 3/4" | 41 | | |
| MECH | 500G | 7' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F(2) | 3 | ALUM | 0' - 8 3/4" | 41 | | |
| MECH | 500H | 7' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F(2) | 3 | ALUM | 0' - 8 3/4" | 41 | | |
| PUMP | 500J | 6' - 0" | 7' - 2" | 0' - 1 3/4" | FRP | F(2) | 3 | ALUM | 0' - 4 1/2" | 22 | | |
| CORRIDOR | 500X | 6' - 0" | 7' - 2" | 0' - 1 3/4" | FRP | FGM2 | SF16 | ALUM | 0' - 4 1/2" | 18 | | REMOVEABLE MULLION, ACCESS CONTROL, PANIC |
| RESOURCE RM | 501 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | N | 1 | ALUM | 0' - 8 3/4" | 33 | | |
| STAFF TLT | 501A | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 8 3/4" | 42 | | CLOSER |
| EC | 502A | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 8 3/4" | 26 | | PANIC HARDWARE |
| EC | 502B | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | HM | 0' - 8 3/4" | 26 | | PANIC HARDWARE |
| EC | 502C | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | HM | 0' - 8 3/4" | 12 | | ACCESS CONTROL, CLOSER |
| CORRIDOR | 503 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 8 3/4" | 33 | | |
| CORRIDOR | 504 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 8 3/4" | 33 | | |
| CORRIDOR | 505 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 8 3/4" | 33 | | |
| STAFF TLT | 506 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | HM | 0' - 4 1/2" | 47 | | CLOSER |
| CORRIDOR | 509 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | HM | 0' - 4 1/2" | 23 | | |
| TEAM AREA | 510 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 3 | HM | 0' - 8 3/4" | 09 | | ACCESS CONTROL, CLOSER |
| 6TH GRADE SCIENCE | 511 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 8 3/4" | 26 | | PANIC HARDWARE |
| 6TH GRADE SCIENCE | 511X | 3' - 0" | 7' - 2" | 0' - 1 3/4" | FRP | F | 1 | ALUM | 0' - 8 3/4" | 44 | | ACCESS CONTROL, PANIC |
| 6TH GRADE | 512 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 8 3/4" | 33 | | |
| 6TH GRADE | 514 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 8 3/4" | 33 | | |
| 6TH GRADE SCIENCE | 515 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 8 3/4" | 26 | | PANIC HARDWARE |
| 6TH GRADE SCIENCE | 515X | 3' - 0" | 7' - 2" | 0' - 1 3/4" | FRP | F | 1 | ALUM | 0' - 8 3/4" | 44 | | ACCESS CONTROL, PANIC |
| 6TH GRADE | 516 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 8 3/4" | 33 | | |
| EXTRA CLASSROOM | 517 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 8 3/4" | 33 | | |
| PREP RM | 518A | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 8 3/4" | 45 | | |
| PREP RM | 518B | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | ALUM | 0' - 8 3/4" | 45 | | |
| MECH | 600A | 7' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F(2) | 3 | ALUM | 0' - 8 3/4" | 41 | | |
| MECH | 600B | 7' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F(2) | 3 | ALUM | 0' - 8 3/4" | 41 | | |
| MECH | 600C | 6' - 0" | 7' - 2" | 0' - 1 3/4" | FRP | F(2) | 3 | ALUM | 0' - 4 1/2" | 22 | | |
| ELEC | 601 | 4' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | HM | 0' - 4 1/2" | 48 | 45 | PANIC HARDWARE |
| ELEC | 601B | 4' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | HM | 0' - 4 1/2" | 48 | 45 | PANIC HARDWARE |
| MDF | 602A | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | F | 1 | HM | 0' - 4 1/2" | 32 | | |
| MECH | 602B | 3' - 6" | 7' - 2" | 0' - 1 3/4" | INSUL HM | F | 1 | HM | 0' - 4 1/2" | 49 | 90 | INSULATED, ACCESS CONTROL |
| MECH PLATFORM | 602X.1 | 6' - 0" | 7' - 2" | 0' - 1 3/4" | FRP | F(2) | 3 | ALUM | 0' - 4 1/2" | 22 | | |
| MECH PLATFORM | 602X.2 | 6' - 0" | 7' - 2" | 0' - 1 3/4" | FRP | F(2) | 3 | ALUM | 0' - 4 1/2" | 22 | | |
| STEM | 603 | 3' - 0" | 7' - 2" | 0' - 1 3/4" | WD | HG | SF2 | ALUM | 0' - 5 3/4" | 26 | | PANIC HARDWARE |

## DOOR LEGEND

**ABBREVIATIONS**

| | |
|---|---|
| MHO | MAGNETIC HOLD OPEN |
| CLSR | CLOSER |
| DIA | DIAMETER |
| WS | WEATHER STRIPPING |
| KP | KICK PLATE |
| OHS | OVERHEAD STOP |
| SS | STAINLESS STEEL |
| WMS | WALL MOUNTED STOP |

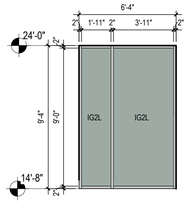
## GENERAL DOOR NOTES

1. PROVIDE AND INSTALL WHEATHERSTRIPPING AT ALL EXTERIOR DOORS.
2. PROVIDE AND INSTALL SILENCERS AT ALL H.M. FRAMES.

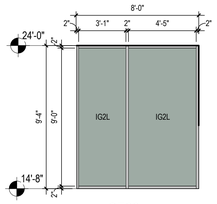
## GLAZING SCHEDULE

| TYPE | DESCRIPTION |
|---|---|
| SG | SAFETY GLASS, 1/4" CLEAR TEMPERED |
| SGL | SAFETY GLASS, 1/4" CLEAR, LAMINATED |
| IG1 | INSULATED SAFETY GLASS UNITS, CLEAR TEMPERED (LOW E) |
| IG1L | INSULATED SAFETY GLASS UNITS, CLEAR TEMPERED (LOW E), CLEAR LAMINATE |
| IG2 | INSULATED SAFETY GLASS UNITS, GRAY TINTED

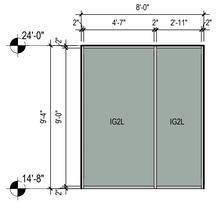
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SF30




SF29




SF28

| NOTES: | |
|---|---|
| 1 | SF - ALUMINUM STOREFRONT WINDOW SYSTEM<br>SEE SPECFICATIONS |
| 2- | ALL INTERIOR STORERONT WINDOW SYSTEMS TO BE SET TO THE EXTERIOR FACE OF WALL. |

## GLAZING SCHEDULE

| TYPE | DESCRIPTION |
|---|---|
| SG | SAFETY GLASS, 1/4" CLEAR TEMPERED |
| SGL | SAFETY GLASS, 1/4" CLEAR, LAMINATED |
| IG1 | INSULATED SAFETY GLASS UNITS, CLEAR TEMPERED (LOW E) |
| IG1L | INSULATED SAFETY GLASS UNITS, CLEAR TEMPERED (LOW E), CLEAR LAMINATE |
| IG2 | INSULATED SAFETY GLASS UNITS, GRAY TINTED TEMPERED (LOW E) |
| IG2L | INSULATED SAFETY GLASS UNITS, GRAY TINTED TEMPERED, (LOW E), WHITE LAMINATE |

IG1 - CLEAR GLASS TO BE INSTALLED IN AREA 100 & 200 - SOUTH FACE AT COVERED WALKWAY U.N.O.

IG1L - CLEAR LAMI GLASS TO BE INSTALLED AT INTERIOR WINDOWS & DOORS AS NOTED.

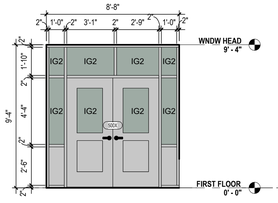
IG2 - GRAY TINTED GLASS TO BE INSTALLED IN EXTERIOR CLASSROOM WINDOWS & DOORS U.N.O.

IG2L - GRAY TINTED TRANSLUCENT LAMI GLASS TO BE INSTALLED IN EXT. CLASSROOM TRANSOMS AND GYM WINDOWS & DOORS.

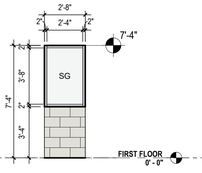
SG - SAFETY GLASS TO BE INSTALLED IN ALL INTERIOR WINDOWS & DOORS U.N.O.

SGL - SAFETY GLASS TO BE INSTALLED AT INTERIOR WINDOWS & DOORS AS NOTED.

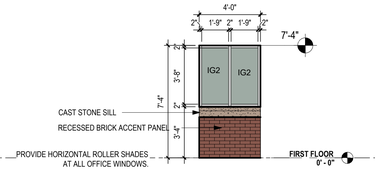
## 601-GLAZING LEGEND



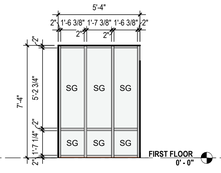

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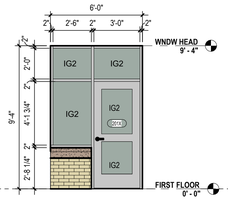

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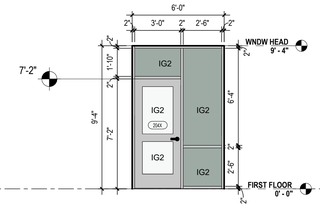

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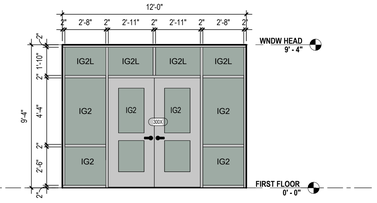

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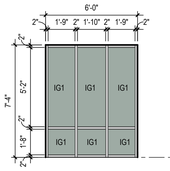

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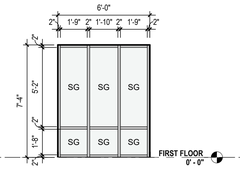

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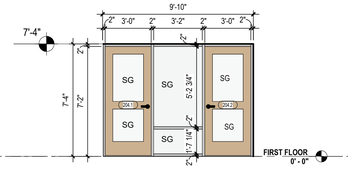

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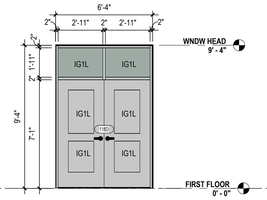

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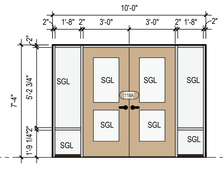

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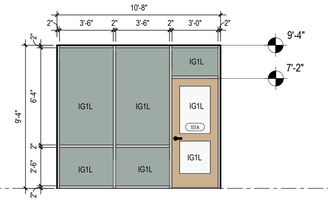

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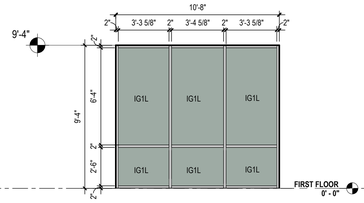

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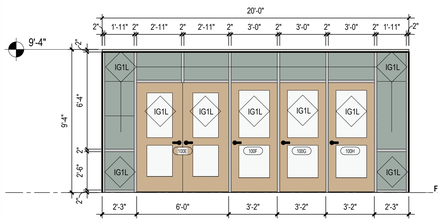

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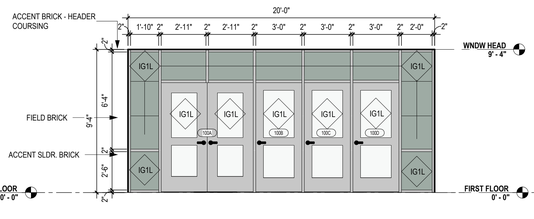

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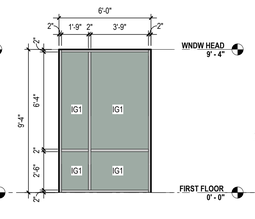

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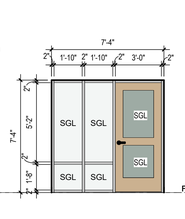

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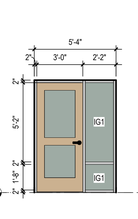

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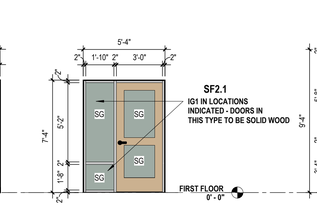

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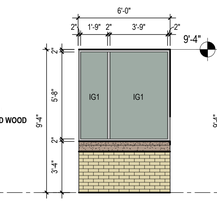

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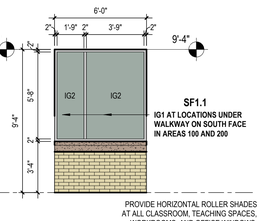

SF 2.1




SF2




SF1.1




SF1

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ENERGY STAR PARTNER

| No. | Date | Description |
|---|---|---|
| 1 | 02/18/2025 | BID SET/AGENCY COM. |

ISSUE DATE: 02/18/2025
PROJECT #: 02303.000
DRAWN BY: DS
CHECKED BY: MK

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WINDOW ELEVATIONS

A-611

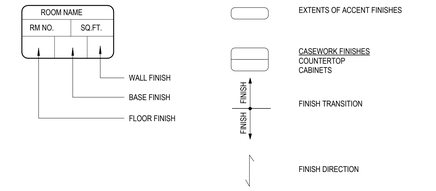
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# INTERIOR FINISH LEGEND

| MARK | MATERIAL | BASIS OF DESIGN MANUFACTURER | BASIS OF DESIGN MODEL NO. | SIZE | NOTES |
|---|---|---|---|---|---|
| 03-CONCRETE | | | | | |
| 03 30 00 - CAST-IN-PLACE CONCRETE | | | | | |
| SC1 | SEALED CONCRETE | | | | |
| 06 - WOODS, PLASTICS, AND COMPOSITES | | | | | |
| 06 20 00 - FINISH CARPENTRY | | | | | |
| WD2 | WOOD | - | SOLID RED OAK LUMBER, TO MATCH WD1 DOORS | 2" THICK | |
| 08 - OPENINGS | | | | | |
| 08 14 16 - FLUSH WOOD DOORS | | | | | |
| WD1 | WOOD DOORS | VT INDUSTRIES | RED OAK, CLEAR CL18 PLAIN SLICED | | |
| 09 - FINISHES | | | | | |
| 09 30 00 - TILING | | | | | |
| TL1 | TILING | DALTILE | UNGLAZED MOSAICS, 2 X 2 DOT-MOUNTED MOSAIC, COLOR: SAPPHIRE SKY RO8 (4) | 2" X 2" PIECES ON 12" X 24" SHEETS | SHOWER FLOOR TILE |
| TL2 | TILING | DALTILE | COLOR WHEEL LINEAR WALL TILE, COLOR: ARCHITECTURAL GRAY 0109 (2) | 4" X 8" | SHOWER WALL TILE |
| TL3 | TILING | ATLAS CONCORDE | ENTICE, COPPER OAK NATURAL | 7.25" X 59" | |
| 09 51 13 - ACOUSTICAL PANEL CEILINGS | | | | | |
| APC1 | ACOUSTICAL CEILING TILE | ARMSTRONG | CALLA; TEGULAR; WHITE TILES, WHITE GRID | 24" X 24" | TYPICAL PUBLIC AREA MINIMUM NRC 0.80 |
| APC2 | ACOUSTICAL CEILING TILE | ARMSTRONG | CALLA; TEGULAR; BLACK TILES, BLACK GRID | 24" X 24" | |
| APC3 | ACOUSTICAL CEILING TILE | ARMSTRONG | LYRA; TEGULAR; WHITE TILES, WHITE GRID | 24" X 24" | |
| VAPC1 | VINYL FACED CEILING TILE | ARMSTRONG | ULTIMA HEALTH ZONE; WHITE TILES, WHITE GRID | 24" x 24" | KITCHEN AREAS |
| 09 64 66 - WOOD ATHLETIC FLOORING | | | | | |
| WAF1 | WOOD ATHLETIC FLOORING | CONNOR SPORTS FLOORING | WOOD ATHLETHIC FLOAT FLOOR SYSTEM, DURACUSHION III, MAPLE: CLEAR URETHANE FINISH | | STAINED COURT STRIPING TBD BY ARCHITECT IN CA |
| 09 65 00 - RESILIENT FLOORING | | | | | |
| LVT1 | LUXURY VINYL TILE | PATCRAFT | POLYCHROME, ECRU 00120 | 9" X 48" X 2.5MM THICKNESS | INSTALLED STAGGERED , REFER TO FINISH PLANS FOR INSTALLATION |
| LVT2 | LUXURY VINYL TILE | PATCRAFT | POLYCHROME BALSAM 00320 | 9" X 48" X 2.5MM THICKNESS | INSTALLED STAGGERED , REFER TO FINISH PLANS FOR INSTALLATION |
| LVT3 | LUXURY VINYL TILE | PATCRAFT | POLYCHROME VIRIDIAN 00380 | 9" X 48" X 2.5MM THICKNESS | INSTALLED STAGGERED , REFER TO FINISH PLANS FOR INSTALLATION |
| LVT4 | LUXURY VINYL TILE | PATCRAFT | POLYCHROME CERULEAN 00440 V2 | 9" X 48" X 2.5MM THICKNESS | INSTALLED STAGGERED , REFER TO FINISH PLANS FOR INSTALLATION |
| LVT5 | LUXURY VINYL TILE | PATCRAFT | POLYCHROME ( EQUAL MIX OF BALSAM, VIRIDIAN, CERULEAN) | 9" X 48" X 2.5MM THICKNESS | INSTALLED STAGGERED , REFER TO FINISH PLANS FOR INSTALLATION |
| RB1 | RESILIENT BASE | JOHNSONITE | CHARCOAL WG 20 | 4" COVE BASE | |
| RB2 | RESILIENT BASE | JOHNSONITE | CHARCOAL WG 20 | 4" TOELESS BASE | |
| RB3 | RESILIENT BASE | JOHNSONITE | BLACK 40 | 4" VENTED BASE | |
| 09 65 16.33 - RUBBER FLOORING | | | | | |
| RF1 | RUBBER FLOORING | MANNINGTON | COLOR ANCHOR RUBBER, COLOR SPEC, COLOR [TBD] | | |
| RF2 | RUBBER FLOORING | MANNINGTON | COLOR ANCHOR RUBBER, CONNECT STEP, COLOR [TBD] | | STAIR TREAD AND RISER |
| 09 67 23 - RESINOUS FLOORING | | | | | |
| RSB1 | RESINOUS FLOORING | DUR-A-FLEX | TO MATCH RSF1 | | |
| RSB2 | RESINOUS FLOORING | DUR-A-FLEX | TO MATCH RSF2 | | |
| RSF1 | RESINOUS FLOORING | DUR-A-FLEX | DUR-A-CHIP, ACADIA, ARMOR TOP GLOSS WITH GRIT | | |
| RSF2 | RESINOUS FLOORING | DUR-A-FLEX | HYBRI-FLEX EB, MEDIUM GREY, ARMOR TOP GLOSS WITH GRIT | | |
| 09 68 13 - TILE CARPETING | | | | | |
| CPT1 | CARPET TILE | PATCRAFT | ORGANIC INTERRUPTION COLLECTION, COLOR REVEAL 10662 STYLE, SPRING HARBOR 00440 COLOR | 9" x 36" | INSTALLED STAGGERED |
| EM1 | ENTRY MAT | PATCRAFT | WALK FORWARD COLLECTION, ACCESS 10533 STYLE, TRECK 00590 COLOR | 24" X 24" | INSTALLED MONOLITHIC |
| 09 84 00 - ACOUSTICAL ROOM COMPONENTS | | | | | |
| AWP1 | ACOUSTICAL WALL PANEL | GUILFORD OF MAINE | ANCHORAGE COLOR ASTEROID | 2" THICK, REF. INTERIOR ELEVATIONS FOR SIZE | |
| AWP2 | ACOUSTICAL WALL PANEL | GUILFORD OF MAINE | ANCHORAGE COLOR GREEN APPLE | 2" THICK, REF. INTERIOR ELEVATIONS FOR SIZE | |
| AWP3 | ACOUSTICAL WALL PANEL | GUILFORD OF MAINE | ANCHORAGE COLOR FERN | 2" THICK, REF. INTERIOR ELEVATIONS FOR SIZE | |
| AWP4 | ACOUSTICAL WALL PANEL | GUILFORD OF MAINE | ANCHORAGE COLOR ONYX | 2" THICK, REF. INTERIOR ELEVATIONS FOR SIZE | |
| AWP5 | ACOUSTICAL WALL PANEL | TECTUM WOOD PANELS | 0.65 NRC OR HIGHER; DIRECT ATTACH; FIELD APPLIED COLOR TO MATCH P2 | 2" THICK, REF. INTERIOR ELEVATIONS FOR SIZE | |
| AWP6 | ACOUSTICAL WALL PANEL | TECTUM WOOD PANELS | 0.65 NRC OR HIGHER; DIRECT ATTACH; FIELD APPLIED COLOR TO MATCH P7 | 2" THICK, REF. INTERIOR ELEVATIONS FOR SIZE | |
| FWP1 | FABRIC WRAPPED PANEL | CARNEGIE XOREL AND TACKBOARD | FABRIC WRAPPED PANELS FABRIC: CARNEGIE XOREL COLOR METEOR8427W 2009, SQUARE EDGES, BUTT JOINT SEAM | 1" THICK, REF. INTERIOR ELEVATIONS | |
| 09 90 00 - PAINTING AND COATING | | | | | |
| P1 | INTERIOR PAINT | SHERWIN WILLIAMS | SW7056 RESERVED WHITE | | FIELD |
| P2 | INTERIOR PAINT | SHERWIN WILLIAMS | SW9170 ACIER | | ACCENT - GRAY |
| P3 | INTERIOR PAINT | SHERWIN WILLIAMS | SW7020 BLACK FOX | | ACCENT - BLACK |
| P4 | INTERIOR PAINT | SHERWIN WILLIAMS | SW6734 ESPALIER | | ACCENT - DARK GREEN |
| P5 | INTERIOR PAINT | SHERWIN WILLIAMS | SW6438 DILL | | ACCENT - MEDIUM GREEN |
| P6 | INTERIOR PAINT | SHERWIN WILLIAMS | SW6437 HAVEN | | ACCENT - LIGHT GREEN |
| P7 | INTERIOR PAINT | SHERWIN WILLIAMS | SW6510 LOYAL BLUE | | ACCENT - BLUE |
| P8 | INTERIOR PAINT | SHERWIN WILLIAMS | SW7019 GAUNTLET GREY | | DOOR FRAMES |
| 10 - SPECIALTIES | | | | | |
| 10 11 00 - VISUAL DISPLAY UNITS | | | | | |
| GMB1 | GLASS MARKERBOARD | CALYX BY CLARIDGE | MAGNETIC GLASS WITH INVISI-MOUNT MOUNTING STYLE. COLOR OMBRIA 2 TONE SAGE | 48" H, REF. INTERIOR ELEVATIONS FOR WIDTH | |
| MB1 | MARKERBOARD | POLYVISION | CERAMICSTEEL 6100HE / 401048 BATCH #231307 | 48" X 96" | TEACHING WALLS, REFER TO INTERIOR ELEVATIONS |
| MB2 | MARKERBOARD | CLARIDGE | WALL-WRITE MARKER WALL, COLOR NO.100 WHITE | 48" W X 106" H | |
| TB1 | TACKBOARD | KOROSEAL WALLTALKERS | TAC-WALL DEEP SEA 14 | 48" X 48" | TEACHING WALLS, REFER TO INTERIOR ELEVATIONS |
| TB2 | TACKBOARD | KOROSEAL WALLTALKERS | TAC-WALL QUARRY 82 | | RECEPTION DESK, SEE DETAILS |
| 10 14 00 - SIGNAGE | | | | | |
| WC1 | WALLCOVERING | AVERY DENNISON | MPI 1405 WITH DOL 6460, ARCHITECT TO PROVIDE CUSTOM ARTWORK | | |
| 10 22 00 - PARTITIONS | | | | | |
| TP1 | TOILET PARTITIONS | ASI GLOBAL PARTITIONS | SOLID PLASTIC HDPE,HAMMERED FINISH, COLOR: METALLIC SILVER 9511 | | |
| 11 - EQUIPMENT | | | | | |
| 11 61 43- STAGE CURTAINS | | | | | |
| CT1 | STAGE TRACK AND CURTAINS | KM FABRICS | MEMORABLE, COLOR: BLACK | REF. INTERIOR ELEVATIONS. | |
| 11 66 73 - WALL PADDING | | | | | |
| WP1 | WALL PADDING | DRAPER | ECOVISION WALL PADS, COLOR: DARK ROYAL BLUE | 2' X 6' | 1" FABRIC WRAPPED MOUNTING FLANGES AT PANEL TOP AND BOTTOM |
| 12 - FURNISHINGS | | | | | |
| 12 24 13 - ROLLER SHADES | | | | | |
| WT1 | WINDOW TREATMENT | DRAPER | E SCREEN 1% OPENNESS, COLOR WHITE / PEARL | SHADES TO EXTEND FULL LENGTH OF EXPOSED GLASS | MANUAL SHADES TO BE PROVIDED AT ALL OFFICE AND CLASSROOM EXTERIOR WINDOWS. REF. INTERIOR FINISH PLANS FOR ADDITIONAL LOCATIONS |
| WT2 | WINDOW TREATMENT | DRAPER | E SCREEN 3% OPENNESS, COLOR WHITE / PEARL | SHADES TO EXTEND FULL LENGTH OF EXPOSED GLASS | MANUAL SHADES TO BE PROVIDED AT ALL INTERIOR CLASSROOM AND OFFICE GLAZING UNITS GREATER THAN 4'-0" WIDE, REF. INTERIOR FINISH PLANS FOR ADDITIONAL LOCATIONS |
| WT3 | WINDOW TREATMENT | DRAPER | ROLL 1: SUNBLOCK, COLOR GRAY; ROLL 2: E SCREEN 1% OPENNESS, COLOR WHITE / PEARL | SHADES TO EXTEND FULL LENGTH OF EXPOSED GLASS | MOTORIZED SHADES TO BE PROVIDED AT ALL GYMNASIUM WINDOWS |
| 12 32 16 - MANUFACTURED PLASTIC-LAMINATE-CLAD CASEWORK | | | | | |
| PL1 | PLASTIC LAMINATE | FORMICA | AMBER MAPLE 07012-58 MATTE FINISH | | CABINETS, U.N.O. |
| PL2 | PLASTIC LAMINATE | FORMICA | CITADEL WARP 5882-58, MATTE FINISH | | COUNTERTOPS, U.N.O. |
| PL3 | PLASTIC LAMINATE | FORMICA | MILK 9634-58, MATTE FINISH | | |
| SSM1 | SOLID SURFACE MATERIAL | CORIAN | ARTISTA SAGE | | |
| SSM2 | SOLID SURFACE MATERIAL | CORIAN | CAMEO WHITE | | |
| 12 35 53 - WOOD LABORATORY CASEWORK | | | | | |
| PR1 | PHENOLIC RESIN COUNTERTOP | DURCON | CHEMICAL RESISTANT, COLOR: BLACK | | |

## FINISH FLOOR PLAN LEGEND



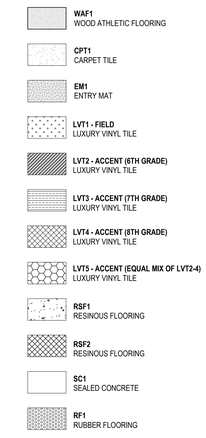

## GENERAL FINISH NOTES

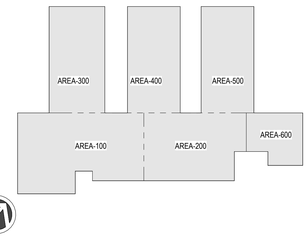
1. REFER TO THE FINISH PLANS, INTERIOR ELEVATIONS, AND INTERIOR FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
2. ALL FLOORING TRANSITIONS OCCUR AT THE CENTER OF THE UNDERSIDE OF THE DOOR UNLESS OTHERWISE NOTED.
3. ALL FINISHES LISTED AS "TBD" TO BE SELECTED FROM BASIS OF DESIGN MANUFACTURER'S FULL RANGE OF COLORS.
4. SEE SHEET A-702 FOR FLOORING TRANSITION DETAILS AND FLOOR CONTROL JOINT DETAILS.
5. WHERE AN ASTERISK "*" IS USED AT FINISH TAG, REFER TO INTERIOR ELEVATIONS, FINISH PLANS, AND REFLECTED CEILING PLAN FOR MORE INFORMATION. INDICATES MULTIPLE FINISHES IN ROOM.
6. **ALL INTERIOR FINISHES TO COMPLY WITH CHAPTER 8 OF THE 2018 NC BUILDING AND FIRE CODES. REFER TO SPECIFICATIONS FOR CLASS RATINGS FOR EACH FINISH MATERIAL.**

## PAINT NOTES

1. PAINT P1 STANDARD WALL FIELD IN ALL LOCATIONS U.N.O.
2. EPOXY PAINT TYPICAL AT ALL RESTROOMS, JANITOR CLOSETS, AND KITCHEN / SERVING AREAS.
3. SEMIGLOSS PAINT TYPICAL AT ALL CONCRETE MASONRY WALLS AND HOLLOW METAL DOOR FRAMES, U.N.O.
4. EGGSHELL PAINT TYPICAL AT ALL GYPSUM BOARD WALLS U.N.O.
5. FLAT PAINT TYPICAL AT ALL CEILING & BULKHEAD CONDITIONS, U.N.O.
6. PAINT COLORS DESIGNATED AT COLUMN SURROUNDS TO BE APPLIED TO ALL SIDES OF COLUMN UP TO CEILING.
7. PAINT COLORS DESIGNATED AT BULKHEADS TO BE APPLIED TO ENTIRE VERTICAL AND HORIZONTAL FACES, UNLESS NOTED OTHERWISE IN RCP AND ELEVATIONS.
8. ALL EXPOSED STRUCTURE AND DECK IN GYM - DRY FOG WHITE
   EXPOSED DUCTWORK IN GYM ACCENT PAINT - TBD
   MEP PIPE, CONDUITS, EQUIPMENT/ACCESSORIES, ETC. - DRY FOG WHITE

## FLOOR PATTERN PLAN LEGEND




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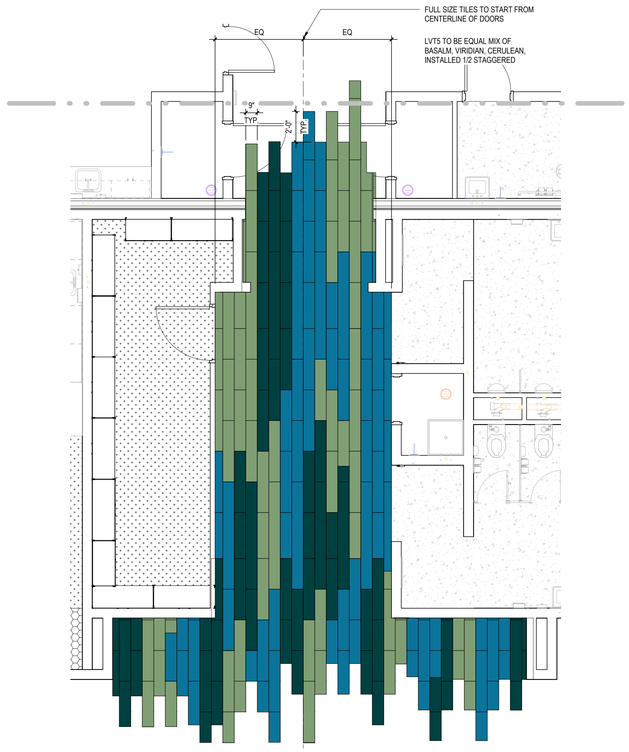
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INTERIOR FINISH LEGEND

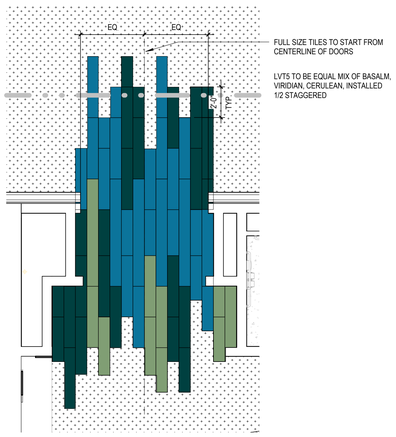
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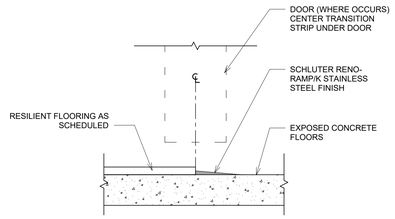
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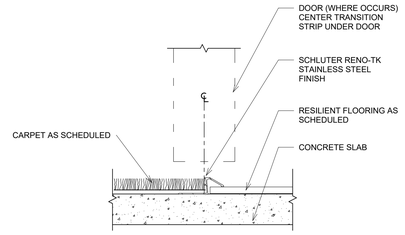

**10 / A-702 FINISH FLOOR PLAN - AREA 200 - LVT5 DETAILS**
SCALE: 1/4" = 1'-0"



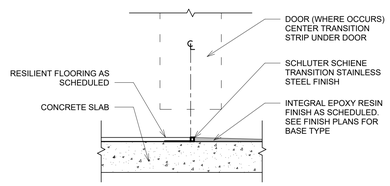

**9 / A-702 FINISH FLOOR PLAN - AREA 100 - LVT 5 DETAILS**
SCALE: 1/4" = 1'-0"



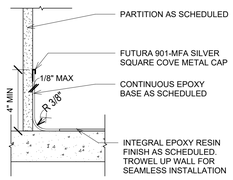

**7 / A-702 RESILIENT FLOOR TRANSITION TO CONCRETE**
SCALE: 6" = 1'-0"



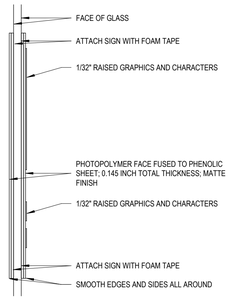

**6 / A-702 CARPET TO RESILIENT FLOOR TRANSITION**
SCALE: 6" = 1'-0"



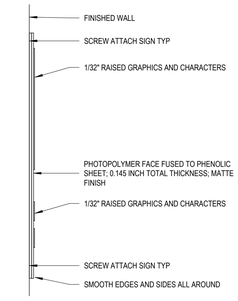

**5 / A-702 RESILIENT FLOOR TRANSITION TO RESINOUS FLOOR**
SCALE: 6" = 1'-0"




**4 / A-702 RESINOUS COVE BASE DETAIL AT PARTITION**
SCALE: 3" = 1'-0"

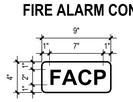



**8 / A-702 SIGNAGE DETAIL AT GLAZING**
SCALE: 6" = 1'-0"




**1 / A-702 SIGNAGE DETAIL AT WALL**
SCALE: 6" = 1'-0"

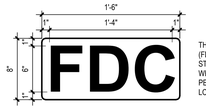
### FIRE ALARM CONTROL PANEL SIGN / LABEL




THE FIRE ALARM CONTROL PANEL SIGN / LABEL WILL CONSIST OF 2" HIGH, 0.5" LETTER STROKE RED REFLECTIVE LETTERS ON A WHITE BACKGROUND, AND SHALL BE PERMANENTLY ATTACHED TO THE EXTERIOR OF THE DOOR OF THE ROOM CONTAINING THE FIRE ALARM CONTROL PANEL, AT NORMAL EYE LEVEL.

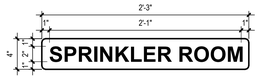
**NOTE:**
FIRE SPRINKLER AND FIRE ALARM CONTROL PANEL ROOMS WITH ACCESS FROM ONLY THE INTERIOR OF THE STRUCTURE MAY BE SIGNED / LABELED SO AS NOT TO DETRACT FROM THE INTERIOR DECOR, PROVIDING THE LETTERS ARE A MINIMUM OF 1" AND OF A CONTRASTING COLOR TO THE BACKGROUND, AS APPROVED BY THE FIRE MARSHAL.

### FIRE PROTECTION CONNECTIONS SIGN




THE FIRE DEPARTMENT CONNECTION SIGN (FDC) WILL CONSIST OF 6" HIGH, 1" LETTER STROKE RED REFLECTIVE LETTERS ON A WHITE BACKGROUND, AND SHALL BE PERMANENTLY ATTACHED IN A VISIBLE LOCATION APPROVED BY THE FIRE MARSHAL.

### FIRE SPRINKLER RISER ROOM SIGN / LABEL




THE SPRINKLER ROOM SIGN / LABEL WILL CONSIST OF 2" HIGH, 0.5" LETTER STROKE RED REFLECTIVE LETTERS ON A WHITE BACKGROUND, AND SHALL BE PERMANENTLY ATTACHED TO THE EXTERIOR OF THE DOOR OF THE SPRINKLER RISER ROOM, AT NORMAL EYE LEVEL.

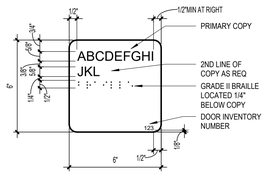
**2 / A-702 FIRE PROTECTION SIGN TEMPLATES**
SCALE: 1 1/2" = 1'-0"

## SIGNAGE NOTES

1. ROOM SIGNAGE TO BE LOCATED ON THE WALL ADJACENT TO THE STRIKE SIDE OF THE DOOR.
2. MOUNTING LOCATION AND HEIGHT SHOWN IS TYPICAL AND TO THE CENTERLINE OF THE SIGN.
3. VERIFY NON-TYPICAL SIGN LOCATIONS WITH THE ARCHITECT PRIOR TO INSTALLATION.
4. AT DOORS WITH SIDELIGHTS ON THE STRIKE SIDE OF JAMB, USE DOUBLE SIDED TAPE ONLY. PROVIDE A BLANK SOLID SIGN OF SAME COLOR AND SIZE ON OPPOSITE SIDE.
5. COORDINATE ROOM NAME, NUMBER AND DOOR INVENTORY NUMBER WITH OWNER.
6. PROVIDE SIGNAGE AT ALL INTERIOR DOOR LOCATION. ROOMS WITH MORE THAN ONE ACCESS POINT SHALL REQUIRE SIGNAGE AT EACH LOCATION.

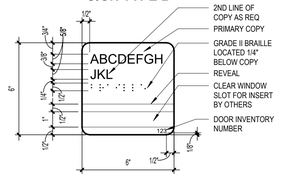



### SIGN TYPE A

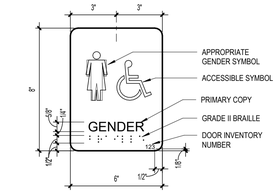



TYPICAL FOR ALL DOOR INVENTORY NUMBERS - SHALL HAVE RAISED NUMBERING AND COLOR SHALL MATCH THE BACKGROUND COLOR

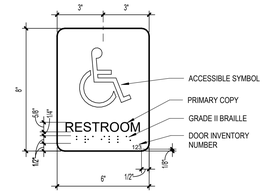
### SIGN TYPE B



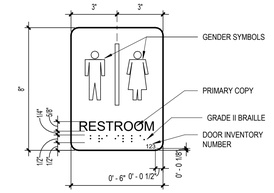

### SIGN TYPE C




### SIGN TYPE D

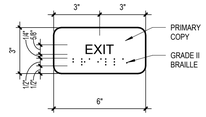



### SIGN TYPE D1

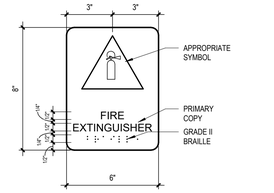



### SIGN TYPE E

NCBC 1011.3 TACTILE EXIT SIGNS.
A TACTILE EXIT SIGN STATING "EXIT" AND COMPLYING WITH ICC A117.1 SHALL BE PROVIDED ADJACENT TO EACH DOOR TO AN AREA OF REFUGE, AN EXTERIOR AREA OF ASSISTED RESCUE, AN EXIT STAIRWAY, AN EXIT RAMP, AN EXIT PASSAGEWAY AND THE EXIT DISCHARGE.



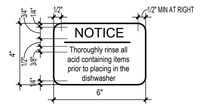

### SIGN TYPE F



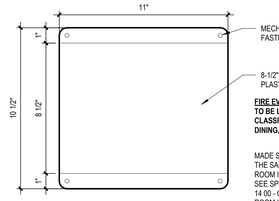

NOT REQUIRED

### SIGN TYPE K

TYPICAL ALL DISHWASHER IN SCIENCE LAB PREP ROOMS




### SIGN TYPE FEM




**FIRE EVACUATION MAP HOLDER**
**TO BE LOCATED AT THE EGRESS DOOR IN ALL OCCUPIED SPACES CLASSROOMS AND TEACHING SPACES, OFFICES, WORKROOMS, DINING, GYM, MEDIA, LOBBIES, ETC...**

MADE SIMILAR TO AND FROM THE SAME MATERIAL AS THE ROOM IDENTIFICATION SIGN - SEE SPECIFICATION SECTION 10 14 00 - COLOR TO MATCH THE ROOM IDENTIFICATION SIGNS

**3 / A-702 SIGNAGE ELEVATIONS**
SCALE: 3" = 1'-0"

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THRESHOLD AND SIGNAGE DETAILS

A-702

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1 A-703 **OVERALL FINISH FLOOR PLAN**
SCALE: 1/16" = 1'-0"

## FINISH FLOOR PLAN LEGEND

ROOM NAME
RM NO. | SQ.FT.
WALL FINISH
BASE FINISH
FLOOR FINISH

EXTENTS OF ACCENT FINISHES

CASEWORK FINISHES
COUNTERTOP
CABINETS

FINISH | FINISH
FINISH TRANSITION

FINISH DIRECTION

## GENERAL FINISH NOTES

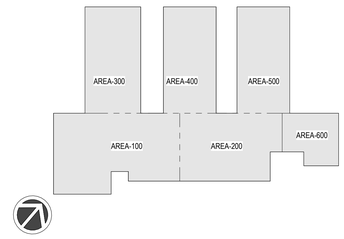
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3. ALL FINISHES LISTED AS "TBD" TO BE SELECTED FROM BASIS OF DESIGN MANUFACTURER'S FULL RANGE OF COLORS.
4. SEE SHEET A-702 FOR FLOORING TRANSITION DETAILS AND FLOOR CONTROL JOINT DETAILS.
5. WHERE AN ASTERISK "*" IS USED AT FINISH TAG, REFER TO INTERIOR ELEVATIONS, FINISH PLANS, AND REFLECTED CEILING PLAN FOR MORE INFORMATION. INDICATES MULTIPLE FINISHES IN ROOM.
6. **ALL INTERIOR FINISHES TO COMPLY WITH CHAPTER 8 OF THE 2018 NC BUILDING AND FIRE CODES. REFER TO SPECIFICATIONS FOR CLASS RATINGS FOR EACH FINISH MATERIAL.**

## PAINT NOTES

1. PAINT P1 STANDARD WALL FIELD IN ALL LOCATIONS U.N.O.
2. EPOXY PAINT TYPICAL AT ALL RESTROOMS, JANITOR CLOSETS, AND KITCHEN / SERVING AREAS.
3. SEMIGLOSS PAINT TYPICAL AT ALL CONCRETE MASONRY WALLS AND HOLLOW METAL DOOR FRAMES, U.N.O.
4. EGGSHELL PAINT TYPICAL AT ALL GYPSUM BOARD WALLS U.N.O.
5. FLAT PAINT TYPICAL AT ALL CEILING & BULKHEAD CONDITIONS, U.N.O.
6. PAINT COLORS DESIGNATED AT COLUMN SURROUNDS TO BE APPLIED TO ALL SIDES OF COLUMN UP TO CEILING.
7. PAINT COLORS DESIGNATED AT BULKHEADS TO BE APPLIED TO ENTIRE VERTICAL AND HORIZONTAL FACES, UNLESS NOTED OTHERWISE IN RCP AND ELEVATIONS.
8. ALL EXPOSED STRUCTURE AND DECK IN GYM - DRY FOG WHITE
   EXPOSED DUCTWORK IN GYM ACCENT PAINT - TBD
   MEP PIPE, CONDUITS, EQUIPMENT/ACCESSORIES, ETC.- DRY FOG WHITE

## FLOOR PATTERN PLAN LEGEND

- **WAF1** WOOD ATHLETIC FLOORING
- **CPT1** CARPET TILE
- **EM1** ENTRY MAT
- **LVT1 - FIELD** LUXURY VINYL TILE
- **LVT2 - ACCENT (6TH GRADE)** LUXURY VINYL TILE
- **LVT3 - ACCENT (7TH GRADE)** LUXURY VINYL TILE
- **LVT4 - ACCENT (8TH GRADE)** LUXURY VINYL TILE
- **LVT5 - ACCENT (EQUAL MIX OF LVT2-4)** LUXURY VINYL TILE
- **RSF1** RESINOUS FLOORING
- **RSF2** RESINOUS FLOORING
- **SC1** SEALED CONCRETE
- **RF1** RUBBER FLOORING




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FAYETTEVILLE

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405 North Charles Street La Grange NC, 28551

ENERGY STAR PARTNER

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CHECKED BY: MK

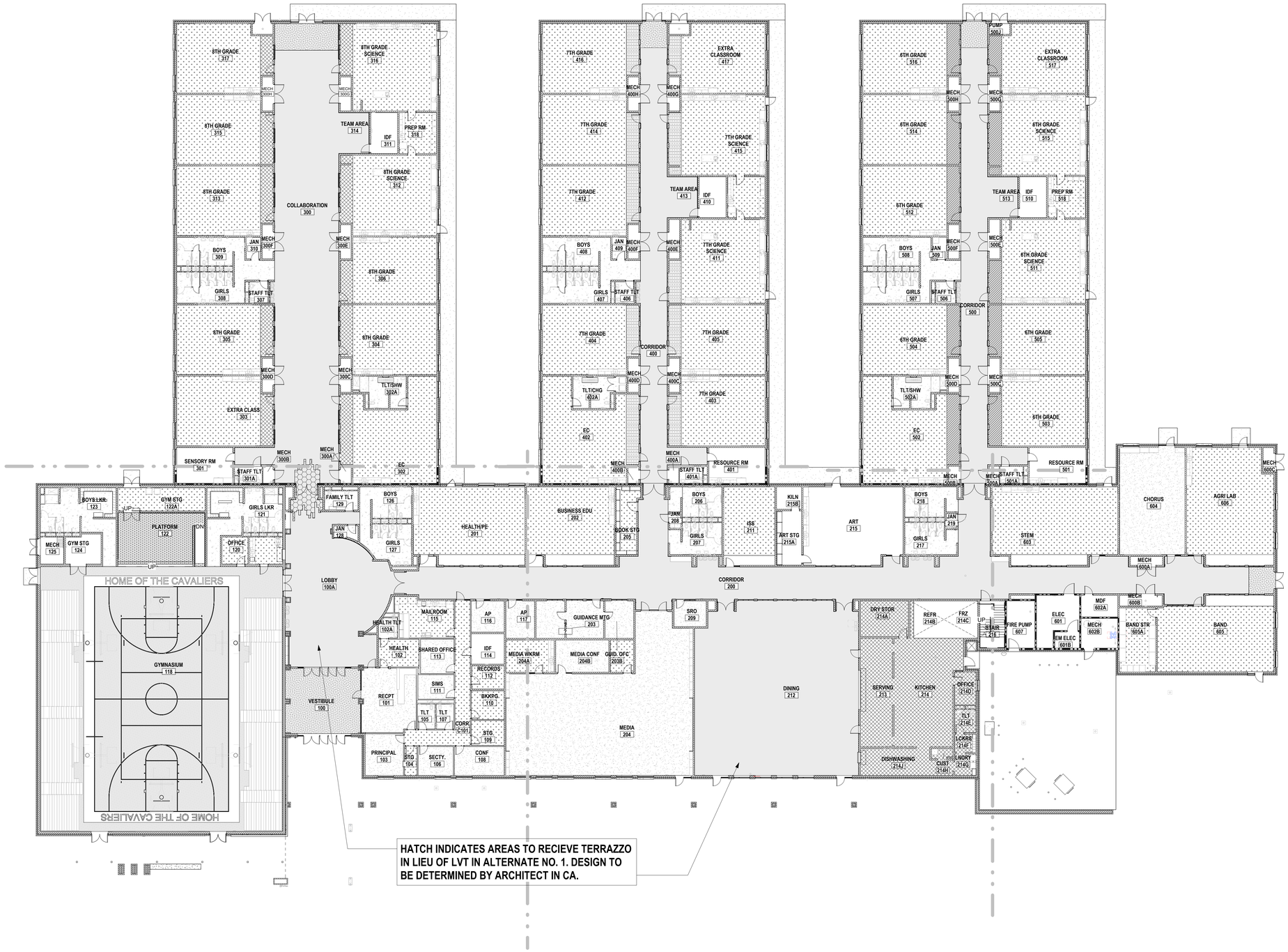
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OVERALL FINISH FLOOR PLAN

A-703

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HATCH INDICATES AREAS TO RECIEVE TERRAZZO IN LIEU OF LVT IN ALTERNATE NO. 1. DESIGN TO BE DETERMINED BY ARCHITECT IN CA.

1 / A-704 **OVERALL FINISH FLOOR PLAN - ALTERNATE NO. 1**

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

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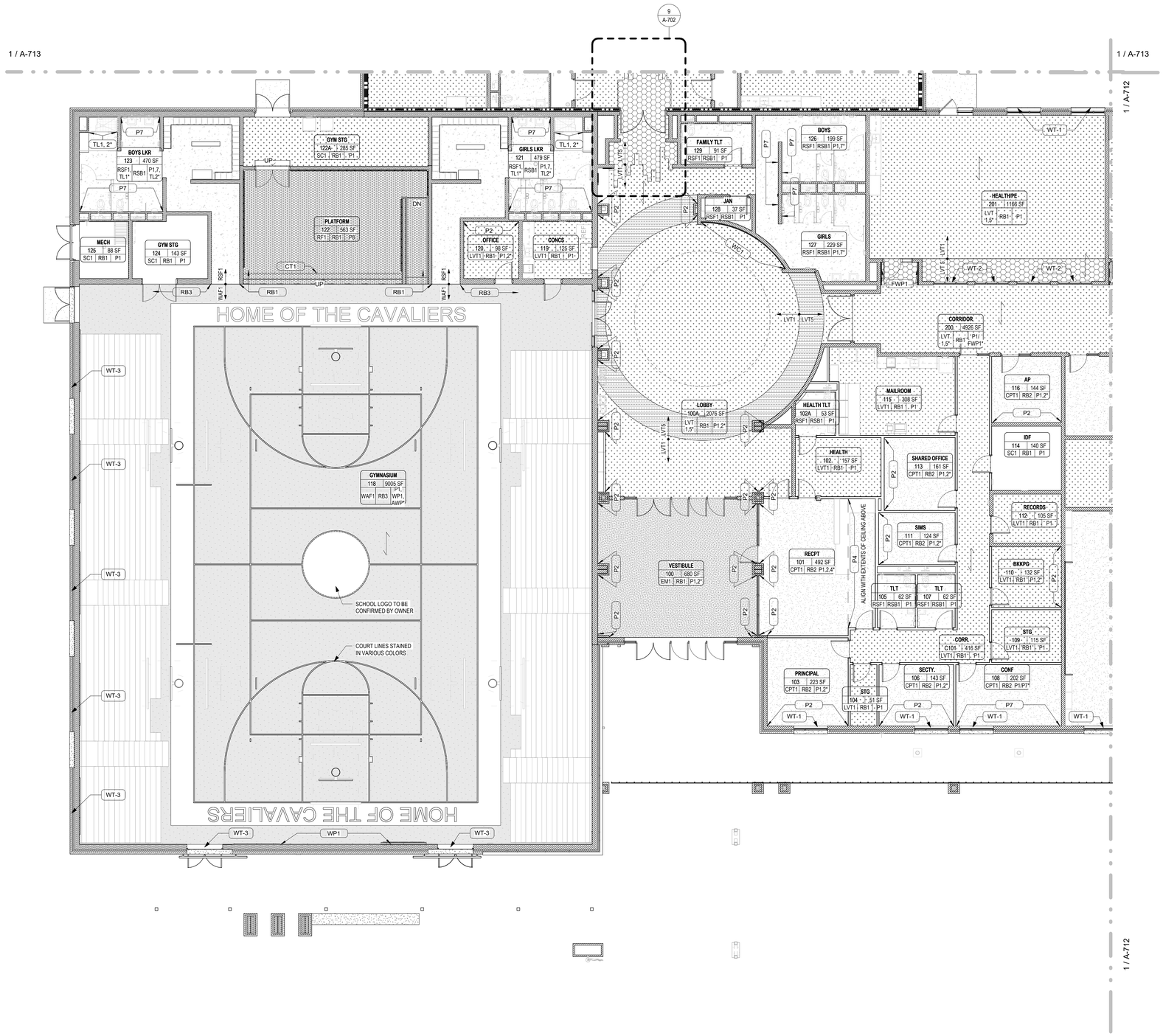
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OVERALL FINISH FLOOR PLAN - ALTERNATE NO. 1

A-704

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1 / A-711
**FIRST FLOOR FINISH PLAN**
SCALE: 1/8" = 1'-0"

## FINISH FLOOR PLAN LEGEND

ROOM NAME
RM NO. | SQ.FT.
WALL FINISH
BASE FINISH
FLOOR FINISH

EXTENTS OF ACCENT FINISHES

CASEWORK FINISHES
COUNTERTOP
CABINETS

FINISH / FINISH
FINISH TRANSITION

FINISH DIRECTION

## GENERAL FINISH NOTES

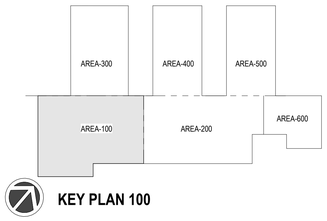
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## FLOOR PATTERN PLAN LEGEND

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- **CPT1** CARPET TILE
- **EM1** ENTRY MAT
- **LVT1 - FIELD** LUXURY VINYL TILE
- **LVT2 - ACCENT (6TH GRADE)** LUXURY VINYL TILE
- **LVT3 - ACCENT (7TH GRADE)** LUXURY VINYL TILE
- **LVT4 - ACCENT (8TH GRADE)** LUXURY VINYL TILE
- **LVT5 - ACCENT (EQUAL MIX OF LVT2-4)** LUXURY VINYL TILE
- **RSF1** RESINOUS FLOORING
- **RSF2** RESINOUS FLOORING
- **SC1** SEALED CONCRETE
- **RF1** RUBBER FLOORING




**KEY PLAN 100**

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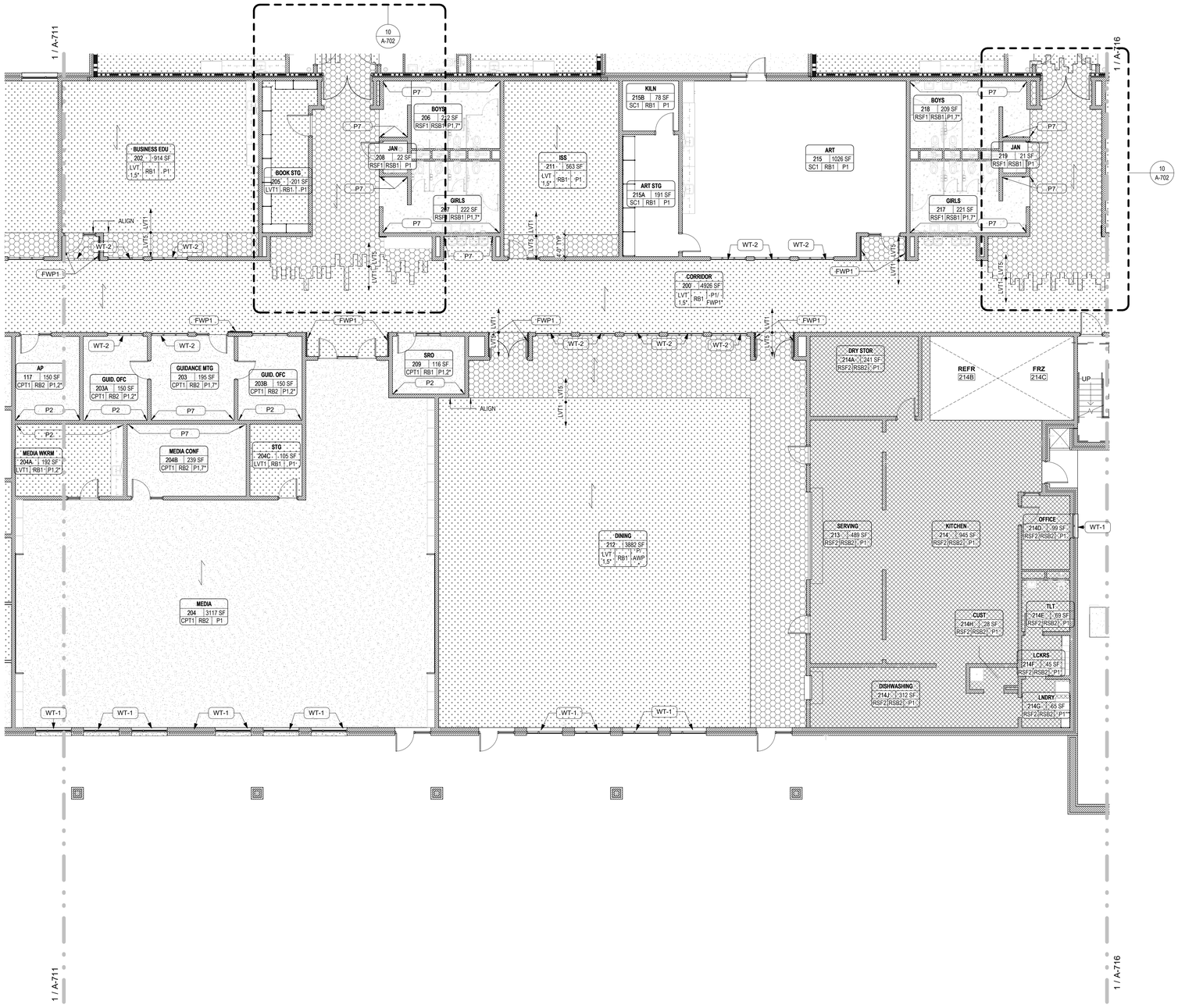
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FINISH FLOOR PLAN - AREA 100

A-711

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1 / A-712 **FINISH FLOOR PLAN - AREA 200**
SCALE: 1/8" = 1'-0"

## FINISH FLOOR PLAN LEGEND

ROOM NAME
RM NO. | SQ.FT.
WALL FINISH
BASE FINISH
FLOOR FINISH

EXTENTS OF ACCENT FINISHES

CASEWORK FINISHES
COUNTERTOP
CABINETS

FINISH | FINISH
FINISH TRANSITION

FINISH DIRECTION

## GENERAL FINISH NOTES

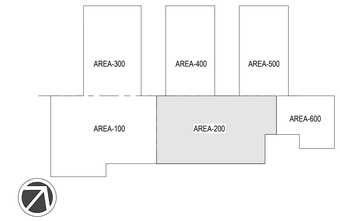
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## PAINT NOTES

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## FLOOR PATTERN PLAN LEGEND

- **WAF1** WOOD ATHLETIC FLOORING
- **CPT1** CARPET TILE
- **EM1** ENTRY MAT
- **LVT1 - FIELD** LUXURY VINYL TILE
- **LVT2 - ACCENT (6TH GRADE)** LUXURY VINYL TILE
- **LVT3 - ACCENT (7TH GRADE)** LUXURY VINYL TILE
- **LVT4 - ACCENT (8TH GRADE)** LUXURY VINYL TILE
- **LVT5 - ACCENT (EQUAL MIX OF LVT2-4)** LUXURY VINYL TILE
- **RSF1** RESINOUS FLOORING
- **RSF2** RESINOUS FLOORING
- **SC1** SEALED CONCRETE
- **RF1** RUBBER FLOORING




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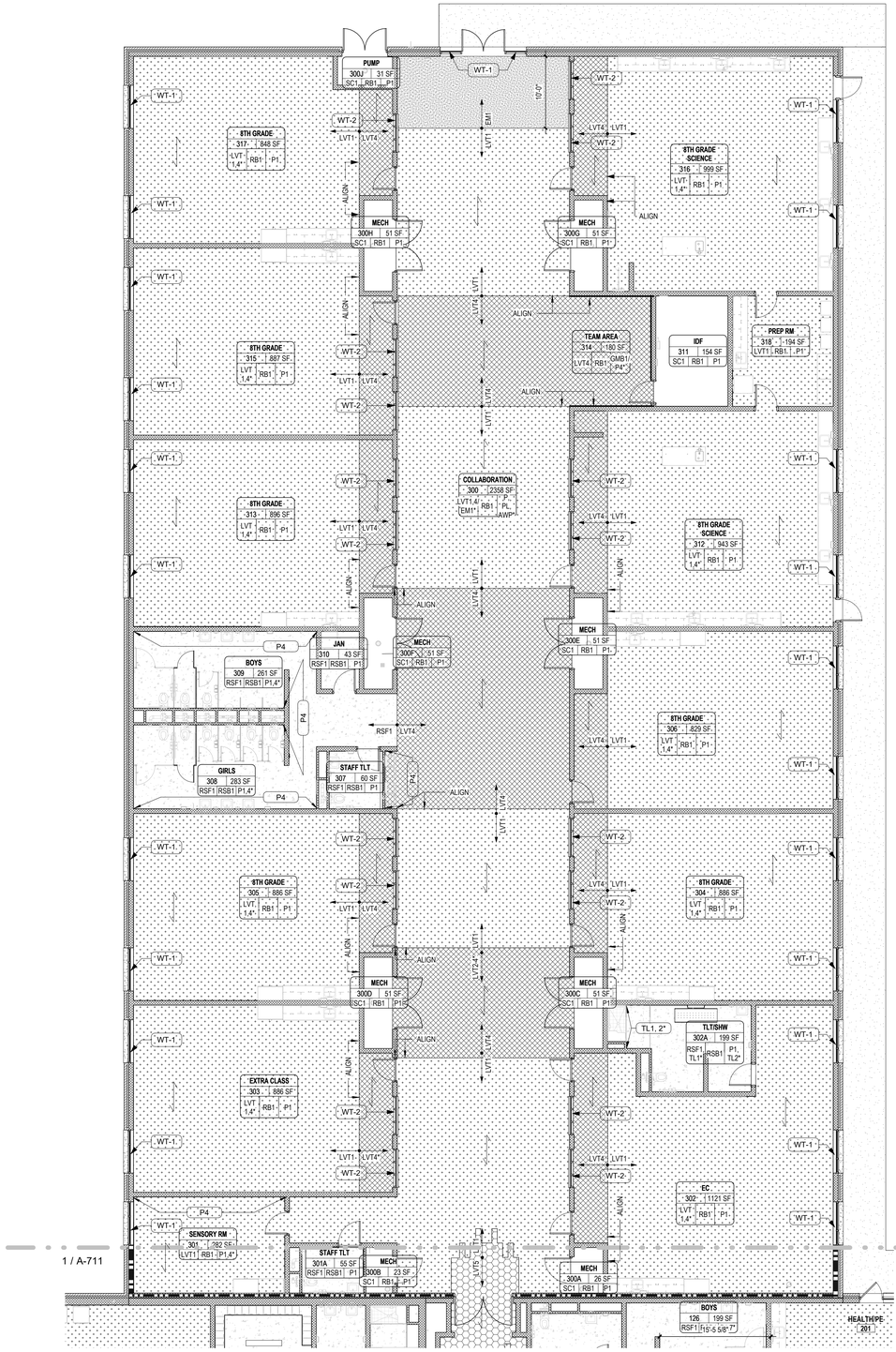
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FINISH FLOOR PLAN - AREA 200

A-712

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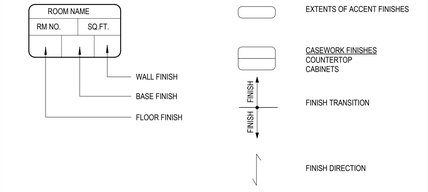
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1 A-713 **FINISH FLOOR PLAN-AREA 300**

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

## FINISH FLOOR PLAN LEGEND




## GENERAL FINISH NOTES

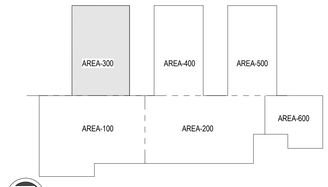
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- **LVT4 - ACCENT (8TH GRADE)** LUXURY VINYL TILE
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- **RSF1** RESINOUS FLOORING
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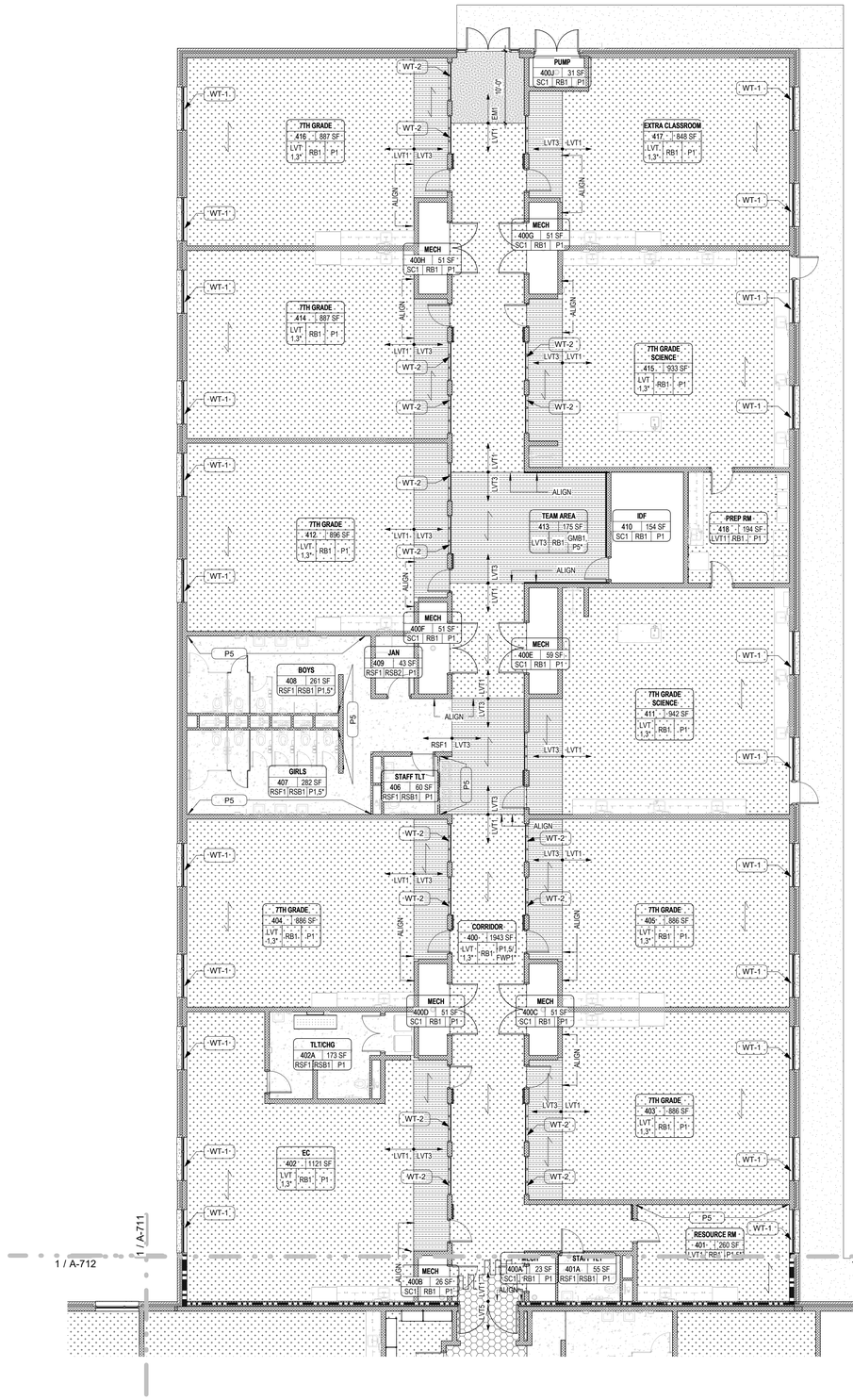
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FINISH FLOOR PLAN - AREA 300

A-713

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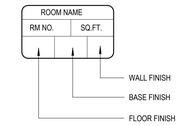
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1 A-714 **FINISH FLOOR PLAN-AREA 400**

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

## FINISH FLOOR PLAN LEGEND




EXTENTS OF ACCENT FINISHES

CASEWORK FINISHES
COUNTERTOP
CABINETS

FINISH TRANSITION

FINISH DIRECTION

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## FLOOR PATTERN PLAN LEGEND

**WAF1**
WOOD ATHLETIC FLOORING

**CPT1**
CARPET TILE

**EM1**
ENTRY MAT

**LVT1 - FIELD**
LUXURY VINYL TILE

**LVT2 - ACCENT (6TH GRADE)**
LUXURY VINYL TILE

**LVT3 - ACCENT (7TH GRADE)**
LUXURY VINYL TILE

**LVT4 - ACCENT (8TH GRADE)**
LUXURY VINYL TILE

**LVT5 - ACCENT (EQUAL MIX OF LVT2-4)**
LUXURY VINYL TILE

**RSF1**
RESINOUS FLOORING

**RSF2**
RESINOUS FLOORING

**SC1**
SEALED CONCRETE

**RF1**
RUBBER FLOORING




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FAYETTEVILLE

Construction Documents

Lenoir County
**EB Frink Middle School**
405 North Charles Street La Grange NC, 28551

ENERGY STAR PARTNER

| No. | Date | Description |
|---|---|---|
| 1 | 02/18/2025 | BID SET/AGENCY COM. |

ISSUE DATE: 02/18/2025
PROJECT #: 02303.000
DRAWN BY: RLH
CHECKED BY: MK

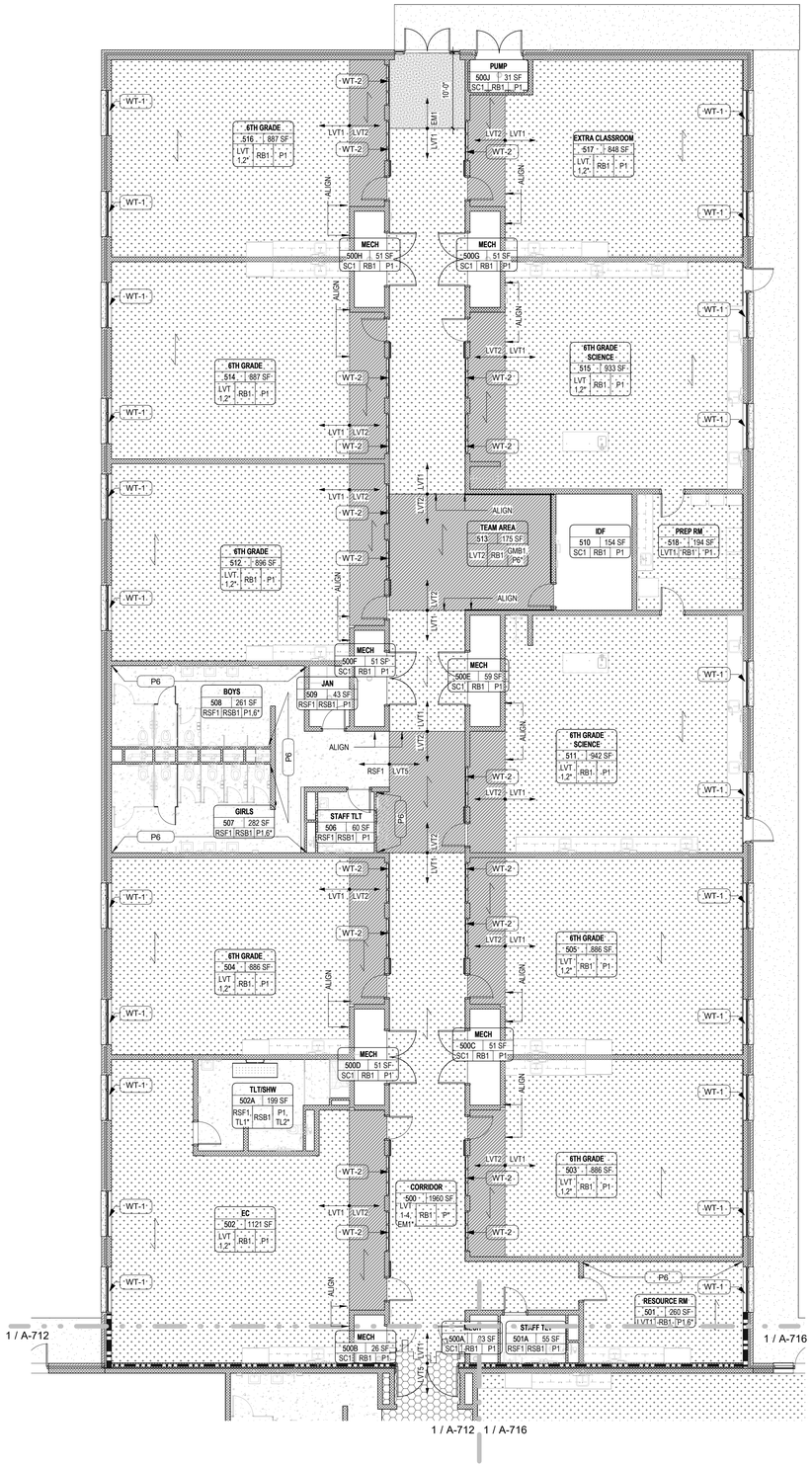
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FINISH FLOOR PLAN - AREA 400

A-714

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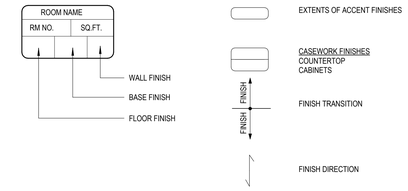
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**1 / A-715 FINISH FLOOR PLAN-AREA 500**

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

## FINISH FLOOR PLAN LEGEND




## GENERAL FINISH NOTES

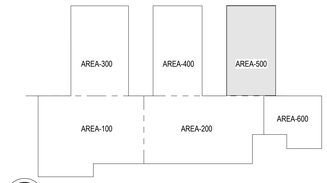
1. REFER TO THE FINISH PLANS, INTERIOR ELEVATIONS, AND INTERIOR FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
2. ALL FLOORING TRANSITIONS OCCUR AT THE CENTER OF THE UNDERSIDE OF THE DOOR UNLESS OTHERWISE NOTED.
3. ALL FINISHES LISTED AS "TBD" TO BE SELECTED FROM BASIS OF DESIGN MANUFACTURER'S FULL RANGE OF COLORS.
4. SEE SHEET A-702 FOR FLOORING TRANSITION DETAILS AND FLOOR CONTROL JOINT DETAILS.
5. WHERE AN ASTERISK "*" IS USED AT FINISH TAG, REFER TO INTERIOR ELEVATIONS, FINISH PLANS, AND REFLECTED CEILING PLAN FOR MORE INFORMATION. INDICATES MULTIPLE FINISHES IN ROOM.
6. **ALL INTERIOR FINISHES TO COMPLY WITH CHAPTER 8 OF THE 2018 NC BUILDING AND FIRE CODES. REFER TO SPECIFICATIONS FOR CLASS RATINGS FOR EACH FINISH MATERIAL.**

## PAINT NOTES

1. PAINT P1 STANDARD WALL FIELD IN ALL LOCATIONS U.N.O.
2. EPOXY PAINT TYPICAL AT ALL RESTROOMS, JANITOR CLOSETS, AND KITCHEN / SERVING AREAS.
3. SEMIGLOSS PAINT TYPICAL AT ALL CONCRETE MASONRY WALLS AND HOLLOW METAL DOOR FRAMES, U.N.O.
4. EGGSHELL PAINT TYPICAL AT ALL GYPSUM BOARD WALLS U.N.O.
5. FLAT PAINT TYPICAL AT ALL CEILING & BULKHEAD CONDITIONS, U.N.O.
6. PAINT COLORS DESIGNATED AT COLUMN SURROUNDS TO BE APPLIED TO ALL SIDES OF COLUMN UP TO CEILING.
7. PAINT COLORS DESIGNATED AT BULKHEADS TO BE APPLIED TO ENTIRE VERTICAL AND HORIZONTAL FACES, UNLESS NOTED OTHERWISE IN RCP AND ELEVATIONS.
8. ALL EXPOSED STRUCTURE AND DECK IN GYM - DRY FOG WHITE
   EXPOSED DUCTWORK IN GYM ACCENT PAINT - TBD
   MEP PIPE, CONDUITS, EQUIPMENT/ACCESSORIES, ETC.- DRY FOG WHITE

## FLOOR PATTERN PLAN LEGEND

- **WAF1** WOOD ATHLETIC FLOORING
- **CPT1** CARPET TILE
- **EM1** ENTRY MAT
- **LVT1 - FIELD** LUXURY VINYL TILE
- **LVT2 - ACCENT (6TH GRADE)** LUXURY VINYL TILE
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- **RF1** RUBBER FLOORING




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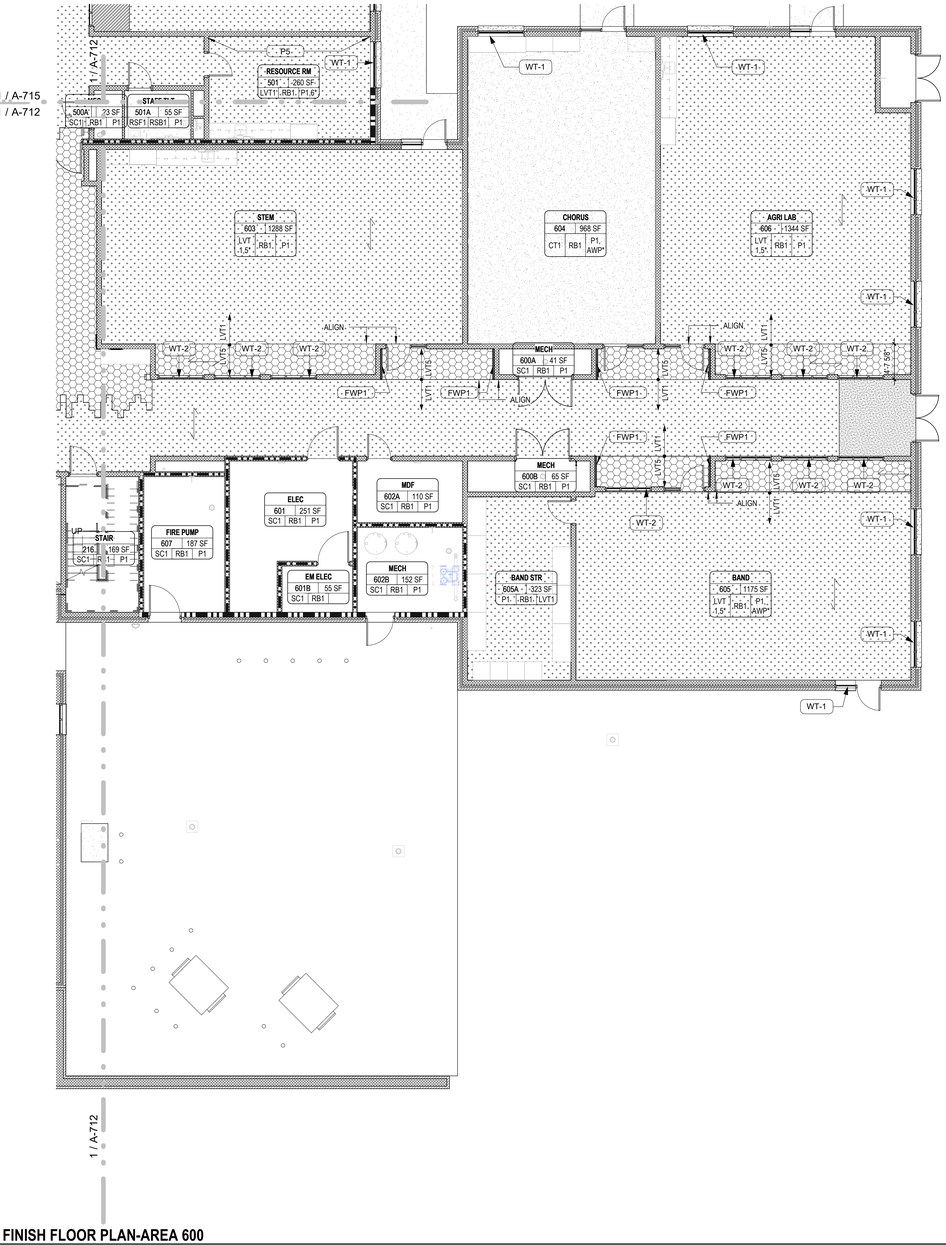
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FINISH FLOOR PLAN - AREA 500

A-715

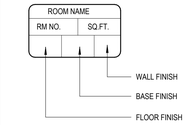
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1 / A-716 **FINISH FLOOR PLAN-AREA 600**
SCALE: 1/8" = 1'-0"

## FINISH FLOOR PLAN LEGEND




EXTENTS OF ACCENT FINISHES

CASEWORK FINISHES
COUNTERTOP
CABINETS

FINISH TRANSITION

FINISH DIRECTION

## GENERAL FINISH NOTES

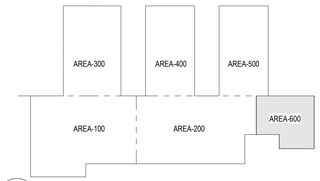
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FINISH FLOOR PLAN - AREA 600

A-716

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1 FS-001 FOOD SERVICE EQUIPMENT PLAN
1/4" = 1'-0"

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FOOD SERVICE EQUIPMENT PLAN

FS-001

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# FOODSERVICE EQUIPMENT SCHEDULE

| QTY | ITEM | DESCRIPTION | MANUFACTURER | MODEL | ITEM | ELECTRICAL | | | | | | | PLUMBING | | | | | | | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | A.F.F. | KW | HP | AMPS | VOLTS | PHASE | NEMA | HW SIZE | HW/A.F.F. | CW SIZE | CW/A.F.F. | IW | DRAIN TYPE | DW | DW A.F.F. | |
| 2 | 01 | COLD STORAGE ASSEMBLY | BALLY | CUSTOM | 01 | | | | | | | | | | | | | F.D. | | | REFER TO REFRIGERATION CONNECTION SCHEDULE |
| 5 | 02A | MOBILE SHELVING UNIT, POLYMER/WIRE, 4-TIER | METRO | Q466EG3 | 02A | | | | | | | | | | | | | | | | 4-TIER, 4-POSTS, POLYMER, CASTERS |
| 6 | 02B | MOBILE SHELVING UNIT, POLYMER/WIRE, 4-TIER | METRO | Q456EG3 | 02B | | | | | | | | | | | | | | | | 4-TIER, 4-POSTS, POLYMER, CASTERS |
| 5 | 02C | MOBILE SHELVING UNIT, POLYMER/WIRE, 4-TIER | METRO | Q436EG3 | 02C | | | | | | | | | | | | | | | | 4-TIER, 4-POSTS, POLYMER, CASTERS |
| 4 | 03A | DUNNAGE RACK | METRO | HP2236PD | 03A | | | | | | | | | | | | | | | | BOW-TIE |
| 1 | 03B | DUNNAGE RACK | METRO | HP2248PD | 03B | | | | | | | | | | | | | | | | BOW-TIE |
| 2 | 04A | MOBILE SHELVING UNIT, POLYMER/WIRE, 5-TIER | METRO | 5Q567EG3 | 04A | | | | | | | | | | | | | | | | 5-TIER, 4-POSTS, POLYMER, CASTERS |
| 7 | 04B | MOBILE SHELVING UNIT, POLYMER/WIRE, 5-TIER | METRO | 5Q557EG3 | 04B | | | | | | | | | | | | | | | | 5-TIER, 4-POSTS, POLYMER, CASTERS |
| 1 | 05 | AIR CURTAIN | MARS AIR | LPN242-1UA-OB | 05 | ABV. | | | 2.4 | 120 | 1 | DIRECT | | | | | | | | | MICRO SWITCH @ DOOR |
| 1 | 07 | WORK TABLE | ADVANCE TABCO | TVKG-308 | 07 | | | | | | | | | | | | | | | | FLANGED FEET |
| 1 | 07A | WELD-IN SINK | ADVANCE TABCO | TA-11D | 07A | | | | | | | | 1/2" | 14" | 1/2" | 14" | | * | | | WELD-IN SINK BOWL, FAUCET, * DISPOSER |
| 1 | 08 | FOOD PROCESSOR | ROBOT COUPE | CL50 ULTRA 1 SPEED | 08 | 50" | | 1 1/2 | 12.0 | 120 | 1 | 5-15P | | | | | | | | | |
| 1 | 09 | WORKTABLE | ADVANCE TABCO | TVKS-309 | 09 | | | | | | | | | | | | | | | | FLANGED FEET |
| 1 | 09A | WELD-IN SINK | ADVANCE TABCO | TA-11D-2 | 09A | | | | | | | | 1/2" | 14" | 1/2" | 14" | | */F.S. | | | WELD-IN SINK BOWL, FAUCET, (1) LEVER WASTE, * DISPOSER |
| 1 | 10 | WORK TABLE | ADVANCE TABCO | VKS-304 | 10 | | | | | | | | | | | | | | | | 20" X 20" X 5" DRAWER, UNDERSHELF |
| 1 | 11 | MIXER STAND | ADVANCE TABCO | MT-MS-300 | 11 | | | | | | | | | | | | | | | | CASTERS |
| 1 | 12 | SLICER, ELECTRIC | HOBART | EDGE 13A | 12 | 50" | | 1/2 | 4.0 | 120 | 1 | 5-15P | | | | | | | | | SITS ON EQUIPMENT STAND |
| 3 | 13 | DISPOSER | INSINKERATOR | SS-300 | 13 | 18" | | 3 | 6.0 | 208 | 3 | DIRECT | | | 1/2" | 14" | | | 3" | 1' - 0" | ADJUSTABLE LEG, CONTROL PANEL MOUNTED TO TABLE |
| 4 | 14 | WORK TABLE | ADVANCE TABCO | VLG-306 | 14 | | | | | | | | | | | | | | | | CASTERS, UNDERSHELF |
| 2 | 15 | RACK, UNIVERSAL | ADVANCE TABCO | UR12 | 15 | | | | | | | | | | | | | | | | CASTERS |
| 1 | 16 | REFRIGERATOR, REACH-IN | BEVERAGE-AIR | HBR49HC-1 | 16 | 50" | | 1/3 | 5.0 | 120 | 1 | 5-15P | | | | | | | | | CASTERS |
| 2 | 17 | CAN OPENER | EDLUND | S-11 | 17 | | | | | | | | | | | | | | | | TABLE MOUNTED |
| 1 | 19 | UTILITY DISTRIBUTION SYSTEM | CAPTIVEAIRE | UDI | 19 | STUB | | | - | 120/208 | 1/3 | BUILT-IN BREAKER | 3/4" | ABV. | 3/4" | ABV. | | | | | REFER TO UDS DETAILS |
| 2 | 20 | EXHAUST HOOD | CAPTIVEAIRE | ND2-PSP | 20 | 2@ABV. | | | 2@20.0 | 2@120 | 2@1 | (2) DIRECT | | | | | | | | | REFER TO VENTILATION CONNECTION SCHEDULE |
| 1 | 21 | FIRE SUPPRESSION SYSTEM | ANSUL | R-102 | 21 | | | | | | | | | | | | | | | | WET CHEMICAL |
| 2 | 22 | MOBILE HEATED CABINET | WINSTON INDUSTRIES | HOV5-14UV | 22 | 50"/U.C. | | | 19.1 | 120 | 1 | 5-20P | | | | | | | | | CASTERS |
| 2 | 23 | CONVECTION STEAMER | CLEVELAND | (2) 22CET66.1 | 23 | 2@U.C. | | | 2@29.8 | 2@208 | 2@3 | (2) DIRECT | | | 3/4" | 14" | | F.S. | | | STACKING KIT, WATER FILTER, BACKFLOW PREVENTION DEVICE |
| 2 | 24 | CONVECTION OVEN | BLODGETT | ZEPH-100-E DBL | 24 | 2@U.C. | | 2@1/2 | | 2@208 | 2@3 | (2) DIRECT | | | | | | | | | LOW PROFILE CASTERS |
| 1 | 25 | KETTLE, ELECTRIC, COUNTERTOP, TWIN UNIT | CLEVELAND RANGE | TKET-12-T-H | 25 | 2@U.C. | | | 2@54.5 | 2@208 | 2@3 | (2) DIRECT | 1/2" | U.C. | 1/2" | U.C. | | F.S. | | | EQUIPMENT STAND WITH SPLASH GUARD & DRAIN DRAWER, DOUBLE PANTRY FAUCET |
| 1 | 26 | TILT SKILLET | CLEVELAND RANGE | SEL30T1 | 26 | U.C. | | | 33.3 | 208 | 3 | DIRECT | 1/2" | U.C. | 1/2" | U.C. | | F.T. | | | SINGLE PANTRY FAUCET, FLANGED FEET |
| 1 | 27 | FLOOR TROUGH | IMC TEDDY | ASFT-1836-PFG | 27 | | | | | | | | | | | | | | 4" | | |
| 3 | 30 | HAND SINK | ADVANCE TABCO | 7-PS-40 | 30 | | | | | | | | 1/2" | 14" | 1/2" | 14" | | | 1 1/2" | 1' - 0" | FAUCET, SIDE SPLASH WHERE REQUIRED |
| 1 | 31 | ICE MAKER, CUBE STYLE | ICE-O-MATIC | CIM0436A | 31 | 68" | | | 6.3 | 208 | 1 | DIRECT | | | 3/8" | 68" | 3/4" | F.S. | | | WATER FILTER, BACKFLOW PREVENTION DEVICE |
| 1 | 31.1 | ICE BIN | ICE-O-MATIC | B55PS | 31.1 | | | | | | | | | | | | 3/4" | F.S. | | | |
| 2 | 32 | REFRIGERATOR, PASS-THRU | CONTINENTAL REFRIGERATOR | 1RNSAPTHD | 32 | 90" | | | 5.2 | 120 | 1 | 5-15P | | | | | | | | | CASTERS |
| 2 | 33 | HEATED CABINET, PASS-THRU | CONTINENTAL REFRIGERATOR | DL1W-SA-PT-HD | 33 | 90" | | | 7.2 | 208 | 1 | C&P | | | | | | | | | CASTERS |
| 2 | 34 | MILK COOLER | BEVERAGE-AIR | SMF34HC-1-S | 34 | 24" | | | 3.0 | 120 | 1 | 5-15P | | | | | | | | | CASTERS |
| 2 | 36 | COLD FOOD SERVING COUNTER | EXISTING | RESET | 36 | STUB | | | 7.6 | 120 | 1 | 5-15P | | | | | | F.S. | | | F.S.E.C. TO VERIFY EXISTING UTILITIES |
| 2 | 38 | CASHIER COUNTER | EXISTING | RESET | 38 | STUB | | | 10.0 | 120 | 1 | 5-15P | | | | | | | | | |
| 2 | 39 | QUICK SWITCH SERVING COUNTER | EXISTING | RESET | 39 | STUB | | | 14.7 | 120/208 | 1 | C&P | | | | | | F.S. | | | F.S.E.C. TO VERIFY EXISTING UTILITIES |
| 1 | 40 | 3-COMPARTMENT | ADVANCE TABCO | 94-83-60-24RL | 40 | | | | | | | | (2) 1/2" | 14" | (2) 1/2" | 14" | | F.S. | | | PRE-RINSE W/ADD ON FAUCET, FAUCET, (3) LEVER WASTE, (2) SORTING SHELF |
| 1 | 41 | RACK CONVEYOR DISHWASHER | HOBART | CL44EN-BAS | 41 | 64" | B:30.0 | | A:55.0 | 2@208 | 2@3 | (2) DIRECT | 1/2" | 14" | 1/2" | 14" | 2" | F.S. | | | A:DISHMACHINE, B:BOOSTER, DRAIN WATER TEMPERING KIT |
| 1 | 42 | PANT LEG VENT DUCT | AVTEC | SSA-PANTLEG44 | 42 | | | | | | | | | | | | | | | | REFER TO VENILATION CONNECTION SCHEDULE |
| 1 | 43 | SOILED DISHTABLE | ADVANCE TABCO | CUSTOM | 43 | | | | | | | | 1/2" | 14" | 1/2" | 14" | | * | | | * DISPOSER, REFER TO DETAILS, PRE-RINSE UNIT |
| 1 | 44 | CLEAN DISHTABLE | ADVANCE TABCO | DTC-S30-108L | 44 | | | | | | | | | | | | | | | | DISHTABLE SORTING SHELF |
| 2 | 45 | METROMAX I, MOBILE STATIONARY RACK | METRO | PR48X3 | 45 | | | | | | | | | | | | | | | | 4-TIER, 4-POSTS, POLYMER, CASTERS |
| 2 | 46 | MOBILE SHELVING UNIT, POLYMER/WIRE, 4-TIER | METRO | Q556EG3 | 46 | | | | | | | | | | | | | | | | 4-TIER, 4-POSTS, POLYMER, CASTERS |
| 2 | 47 | CART, UTILITY | CADDY CORP | T-202-B | 47 | | | | | | | | | | | | | | | | CASTERS |

| 140° F. HOT WATER REQUIREMENTS | | GPH |
|---|---|---|
| POT SINKS | 3 @ 30 | 90 |
| DISHMACHINE | FROM BOOSTER @ 20 PSI | 126 |
| FILL FAUCET | 2 @ 10 | 20 |
| PRE-RINSE | 2 @ 35 | 70 |
| CAN WASH | - | 10 |
| CLEANING | - | 10 |
| | TOTAL | 326 |

| 110° F. HOT WATER REQUIREMENTS | | GPH |
|---|---|---|
| PREP SINK | 3 @ 20 | 60 |
| MOP SINK | - | 5 |
| HAND SINK | 3 @ 5 | 15 |
| | TOTAL | 80 |

ELECTRICAL LOADS ARE BASED ON MANUFACTURER'S INFORMATION. MINIMUM CIRCUIT AMPACITY AND OVERCURRENT PROTECTION TO BE DETERMINED BY CODE REQUIREMENTS AND/OR MANUFACTURER'S DIRECTIONS.

THE DATA ON EXISTING EQUIPMENT IS THE BEST AVAILABLE AT THE TIME THESE DRAWINGS WHERE PREPARED, AND IS OFFERED FOR PLANNING PURPOSES ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL DATA PRIOR TO ROUGHING-IN UTILITIES FOR EXISTING EQUIPMENT.

| ABBREVIATIONS | |
|---|---|
| ABV. | ABOVE |
| A.F.F. | ABOVE FINISHED FLOOR |
| CTR. | COUNTER MOUNTED |
| C.W. | COLD WATER |
| E.C. | ELECTRICAL CONTRACTOR |
| F.D. | FLOOR DRAIN |
| F.S. | FLOOR SINK |
| F.S.E.C. | FOOD SERVICE EQUIPMENT CONTRACTOR |
| G.C. | GENERAL CONTRACTOR |
| H.W. | HOT WATER |
| I.W. | INDIRECT WASTE |
| M.C. | MECHANICAL CONTRACTOR |
| N.I.K.C. | NOT IN KITCHEN CONTRACT |
| S/S | STAINLESS STEEL |
| ST. | STUB |
| U.C. | UTILITY CHASE |
| W. | WASTE |

| REFRIGERATION CONNECTION SCHEDULE | | | | |
|---|---|---|---|---|
| CONN. | EQUIPMENT | LOAD | V/PH | REMARKS |
| 01A | LIGHTS, COOLER | 400 W | 120/1 | 3 EXTRA LIGHTS |
| 01B | EVAP. COIL COOLER | 2.0 AMP | 120/1 | - |
| 01C | COND. UNIT, COOLER | 7.5 MCA | 208/3 | - |
| 01D | LIGHTS DOOR HEAT | 700 W | 120/1 | 3 EXTRA LIGHTS |
| 01E | HEAT TAPE, FREEZER | 15.0 AMP | 120/1 | DRAINLINE HEAT TAPE |
| 01F | EVAP. COIL, FREEZER | 1.8 AMP | 208/1 | FEED DEFROST THRU TIMER @ COND. UNIT |
| 01G | COND. UNIT, FREEZER | 19.4 MCA | 208/3 | |

| VENTILATION CONNECTION SCHEDULE | | | | | | |
|---|---|---|---|---|---|---|
| ITEM | CONNECTION | SIZE | CFM | S.P. | QTY. | TOTAL |
| 20A | EXHAUST | 16" DIA. | 2433 | -0.818" | 1 | 2433 |
| 20B | SUPPLY | 12" X 28" | 648 | 0.160" | 3 | 1946 |
| 20C | EXHAUST | 16" DIA. | 2433 | -0.818" | 1 | 2433 |
| 20D | SUPPLY | 12" X 28" | 648 | 0.160" | 3 | 1946 |
| 42 | EXHAUST | 10" X 10" | 600 | 0.25" | 1 | 600 |

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FOOD SERVICE EQUIPMENT SCHEDULE

FS-002

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1 FS-003 FOOD SERVICE PLUMBING PLAN
1/4" = 1'-0"

## MECHANICAL SYMBOLS

| | |
|---|---|
| | HOT WATER (HW) |
| | COLD WATER (CW) |
| | WASTE (W) |
| FD | FLOOR DRAIN |
| | GAS |
| FS | FLOOR SINK - OPEN |
| FS | FLOOR SINK W/HALF GRATE |
| | EXHAUST DUCT CONNECTION |
| | SUPPLY DUCT CONNECTION |
| | STEAM SUPPLY - SS |
| | CONDENSATE RETURN - CR |

PLUMBING ROUGHING IN NOTES

THIS PLAN IS INTENDED TO SHOW UTILITY REQUIREMENTS AND APPROXIMATE ROUGHING-IN LOCATIONS ONLY. DO NOT USE FOR ACTUAL ROUGHING-IN. FOR FINAL ROUGH-IN LOCATIONS SEE DIMENSIONED PLANS PROVIDED BY FOOD SERVICE EQUIPMENT CONTRACTOR.

WHERE EXPOSED PIPES AND CONDUITS ARE NECESSARY, THEY SHOULD BE MOUNTED 1 TO 2 INCHES OFF THE WALL AND 6 INCHES OFF THE FLOOR TO ALLOW FOR CLEANING.

PLUMBING NOTES

PLUMBING TRIM SUCH AS FAUCETS AND SINK WASTES SHALL BE FURNISHED WITH EQUIPMENT BY FOOD SERVICE EQUIPMENT CONTRACTOR. PLUMBER TO PROVIDE SERVICE, STOP VALVES, P-TRAPS, ETC., AND MAKE FINAL CONNECTIONS.

COLD STORAGE ASSEMBLY: EVAP. COIL DRAINLINES SHALL BE PROVIDED AND INSTALLED BY FOOD SERVICE EQUIPMENT CONTRACTOR.

BOOSTER HEATER SHALL BE FURNISHED BY FOOD SERVICE EQUIPMENT CONTRACTOR WITH/PRESS. REDUCING VALVE TEMP/PRESSURE GAUGE AND SHOCK ABSORBER LOOSE FOR FINAL CONNECTION BY PLUMBER.

DISPOSERS SHALL BE FURNISHED BY FOOD SERVICE EQUIPMENT CONTRACTOR WITH FLOW CONTROL VALVE, SOLENOID, AND VACUUM BREAKER. PLUMBER TO PROVIDE INTERCONNECTING PIPING AND MAKE FINAL CONNECTIONS.

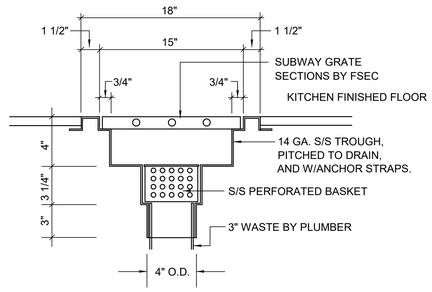
FIRE CONTROL SYSTEM: FOOD SERVICE EQUIPMENT CONTRACTOR TO FURNISH MECHANICAL GAS SOLENOID VALVE LOOSE FOR PLUMBER TO INSTALL IN GAS SUPPLY LINE, LOCATED SO AS TO SHUT OFF ALL GAS TO COOKING EQUIPMENT WHEN ACTUATED.

UTILITY RACEWAY FURNISHED BY FOOD SERVICE EQUIPMENT CONTRACTOR PRE-PLUMBED AND WITH QUICK DISCONNECTS. PLUMBER TO MAKE FINAL CONNECTIONS AND INSTALL QUICK DISCONNECTS TO EQUIPMENT.

MECHANICAL NOTES

EXHAUST HOOD SHALL BE FURNISHED BY FOOD SERVICE EQUIPMENT CONTRACTOR WITH CONNECTION COLLARS ON TOP. H.V.A.C. CONTRACTOR TO PROVIDE EXHAUST FAN, BUILDING DUCTWORK AND MAKE FINAL CONNECTIONS.

DISHMACHINE SHALL BE FURNISHED BY FOOD SERVICE EQUIPMENT CONTRACTOR WITH VENT COWLS AND STAINLESS STEEL DUCTS TO CEILING, READY FOR FINAL CONNECTIONS BY H.V.A.C. CONTRACTOR.




2 FS-003 FLOOR TROUGH DETAIL
NO SCALE

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FOOD SERVICE PLUMBING PLAN

FS-003

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1 FS-004 FOOD SERVICE ELECTRICAL PLAN
1/4" = 1'-0"

## ELECTRICAL SYMBOLS

| | |
|---|---|
| J | J-BOX, FLUSH IN WALL |
| J | J-BOX FROM ABOVE |
| | WATERPROOF CONDUIT STUB |
| | DUPLEX OUTLET |
| | 4 GANG OUTLET |
| | CONVENIENCE OUTLET, UNASSIGNED |
| F | FLOOR MOUNTED OUTLET BY E.C. |
| | SPECIAL OUTLET TO MATCH EQUIPMENT |
| | MOTOR |
| T | TABLE MOUNTED OUTLET (SEE DETAIL) |
| | SPLIT DUPLEX (TWO CIRCUITS) |
| U.C. | UTILITY CHASE MOUNTED OUTLET |
| D | OUTLET WITH DROP CORD FROM ABOVE |
| D | OUTLET WITH DROP CORD FROM ABOVE |
| | POWER POLE |

### ELECTRICAL ROUGHING IN NOTES

THIS PLAN IS INTENDED TO SHOW UTILITY REQUIREMENTS AND APPROXIMATE ROUGHING-IN LOCATIONS ONLY. DO NOT USE FOR ACTUAL ROUGHING IN. FOR FINAL ROUGH-IN LOCATIONS SEE DIMENSIONED PLANS PROVIDED BY FOOD SERVICE EQUIPMENT CONTRACTOR.

WHERE EXPOSED PIPES AND CONDUITS ARE NECESSARY, THEY SHOULD BE MOUNTED 1 TO 2 INCHES OFF THE WALL AND 6 INCHES OFF THE FLOOR TO ALLOW FOR CLEANING.

### ELECTRICAL NOTES

EXHAUST HOODS FURNISHED BY FOOD SERVICE EQUIPMENT CONTRACTOR WITH LIGHT FIXTURES AND EMPTY CONDUIT TO J-BOX. ELECTRICAL CONTRACTOR TO INTERCONNECT TO LIGHT SWITCH IN S/S UTILITY CHASE. SEE DETAIL XXXX.

EXHAUST HOOD FURNISHED WITH FAN PREWIRE PACKAGE. ELECTRICAL CONTRACTOR TO INTERCONNECT TO SWITCH IN S/S UTILITY CHASE. SEE DETAIL XXXX.

FIRE CONTROL SYSTEM FURNISHED BY FOOD SERVICE EQUIPMENT CONTRACTOR WITH MECHANICAL GAS SHUT-OFF FEATURE, FOOD SERVICE EQUIPMENT CONTRACTOR TO INTERCONNECT TO GAS SOLENOID VALVE, SO AS TO SHUT OFF GAS SUPPLY TO EQUIPMENT WHEN ACTUATED.

FIRE CONTROL SYSTEM FURNISHED BY FOOD SERVICE EQUIPMENT CONTRACTOR WITH APPLIANCE SHUT-OFF FEATURE. ELECTRICAL CONTRACTOR TO INTERCONNECT TO SHUNT TRIPS PER MANUFACTURERS DIAGRAM, SO AS TO SHUT OFF ALL EQUIPMENT UNDER HOODS WHEN ACTUATED.

DISHMACHINE SHALL BE FURNISHED BY FOOD SERVICE EQUIPMENT CONTRACTOR, PRE-WIRED TO INTEGRAL CONTROL PANEL READY FOR FINAL CONNECTION BY ELECTRICAL CONTRACTOR.

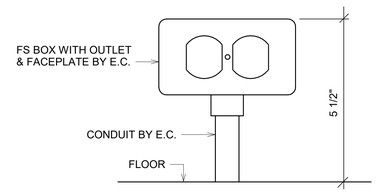
COLD STORAGE ROOMS SHALL BE FURNISHED BY FOOD SERVICE EQUIPMENT CONTRACTOR WITH PRE-WIRED LIGHT AND SWITCH AT DOOR PANEL. ELECTRICAL CONTRACTOR TO PROVIDE INTERCONNECTING WIRING TO EXTRA LIGHT FIXTURES AND MAKE FINAL CONNECTIONS.

REFRIGERATION SYSTEMS SHALL BE FURNISHED AND INSTALLED BY FOOD SERVICE EQUIPMENT CONTRACTOR, INCLUDING DEFROST WIRING BETWEEN COND. UNIT AND EVAP. COIL. FINAL POWER DROPS AND DISCONNECTS FOR COND. UNITS AND EVAP. COILS SHALL BE BY ELECTRICAL CONTRACTOR.

DISPOSERS SHALL BE FURNISHED BY FOOD SERVICE EQUIPMENT CONTRACTOR WITH SOLENOID VALVE AND AUTO REVERSING CONTROL CENTER WITH MAGNETIC STARTER (S) AND START/STOP BUTTONS FOR FINAL CONNECTION BY ELECTRICAL CONTRACTOR.

UTILITY RACEWAY SHALL BE FURNISHED BY FOOD SERVICE EQUIPMENT CONTRACTOR. PREWIRED AND READY FOR FINAL CONNECTION BY ELECTRICAL CONTRACTOR. FOOD SERVICE EQUIPMENT CONTRACTOR TO FURNISH CORD AND PLUG SETS FOR INSTALLATION TO EQUIPMENT BY ELECTRICAL CONTRACTOR.

AIR CURTAIN FAN TO BE FURNISHED BY F.S.E.C. WITH DOOR SWITCH. E.C. TO PROVIDE MASTER SWITCH & MAKE FINAL CONNECTIONS.




2 FS-004 FLOOR-MOUNTED RECEPTACLE
NO SCALE

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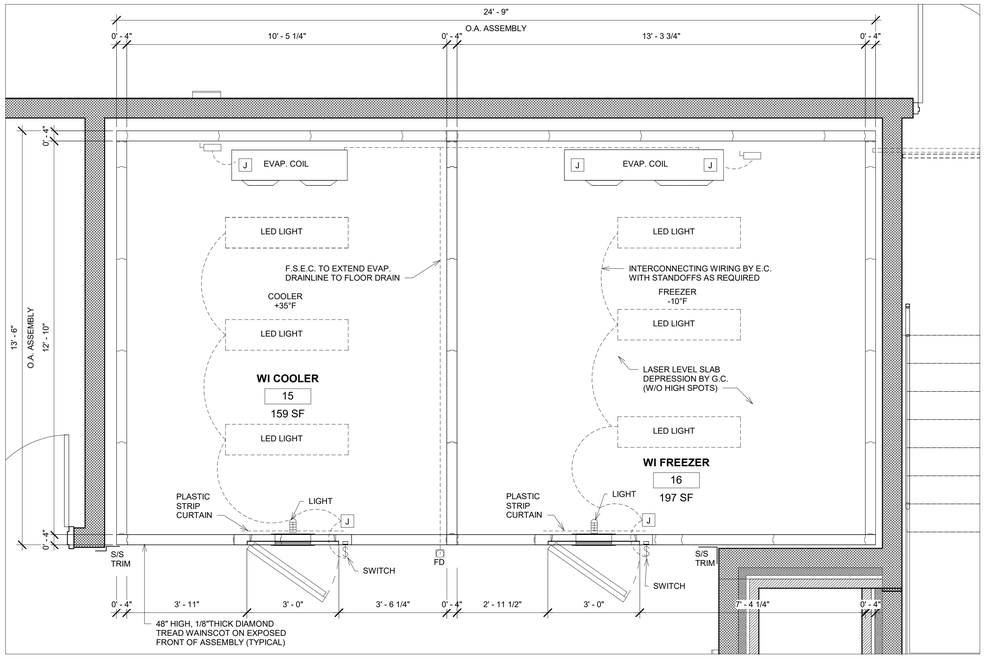
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FOOD SERVICE ELECTRICAL PLAN

FS-004

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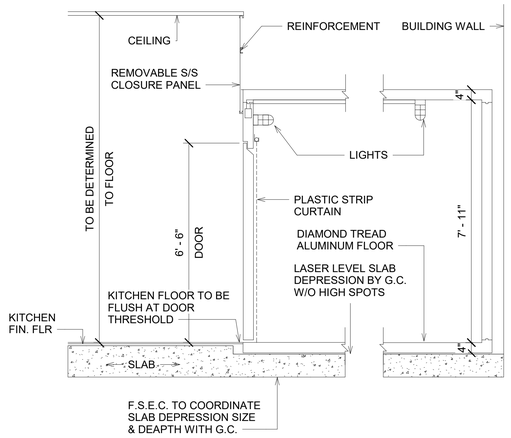
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1 FS-005 COLD STORAGE ASSEMBLY PLAN VIEW
1/2" = 1'-0"

| COLD STORAGE ASSEMBLY DATA | | | | | | |
|---|---|---|---|---|---|---|
| COMPARTMENT | TEMP RANGE | DAILY BTU LOAD | LIGHTS WATTS | DOOR HEAT | VOLT | PHASE |
| COOLER | +35° F | 6,706 | 400 W | | 120 | 1 |
| FREEZER | -10° F | 11,858 | 400 W | 300 W | 120 | 1 |

| REFRIGERATION SYSTEMS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| AMBIENT TEMP. | RUN TIME | COND. UNIT MCA | COND. UNIT VOLT | COND. UNIT PHASE | SUCTION TEMP | EVAP. COIL AMP | EVAP. COIL VOLT | EVAP. COIL PHASE | EVAP. COIL DEFROST |
| 100° F | 16 HOURS | 7.5 | 208 | 3 | 25.1° F | 2.0 | 115 | 1 | OFF-CYCLE |
| 100° F | 18 HOURS | 19.4 | 208 | 3 | -19.1° F | 11.9 | 208 | 1 | ELECTRIC |




2 FS-005 COLD STORAGE ASSEMBLY SECTION
1/2" = 1'-0"

WALK-IN NOTES

EXTERIOR SURFACES
.040 PATTERNED ALUMINUM WITH 48" HIGH WAINSCOT ON EXPOSED SURFACES.

INTERIOR WALLS
.040 PATTERNED ALUMINUM WITH WHITE FINISH.

INTERIOR CEILING
.040 PATTERNED ALUMINUM WITH WHITE ENAMEL.

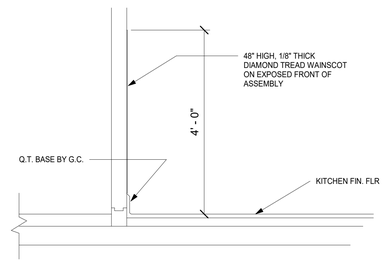
INTERIOR FLOOR
RECESSED INSULATED FLOOR BY F.S.E.C. WITH .100 DIAMOND TREAD ALUMINUM. 1200 LBS STRUCTURAL FLOOR.

DOORS
NOMINAL 36"x78" FINISHED TO MATCH EXTERIOR. CHROME PLATED HARDWARE; 1/8" DIAMOND TREAD KICK PLATE, 48" HIGH, BOTH SIDES.

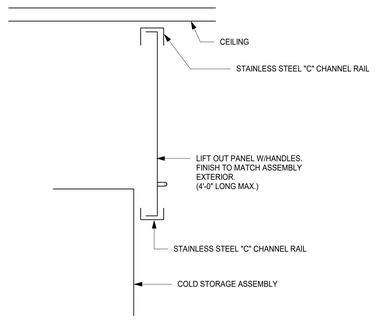
REFRIGERATION
AIR COOLED REMOTE CONDENSING UNITS WITH ALL WEATHER HOUSING, AND CONTROLS FOR OUTDOOR OPERATION.

MISCELLANEOUS
TRIM STRIPS, EVAPORATOR DRAIN LINES, DIAL THERMOMETERS, TOP CLOSURE PANELS, PLASTIC STRIP CURTAINS AND 1/8" DIAMOND TREAD WAINSCOT ACROSS FRONT OF ASSEMBLY.

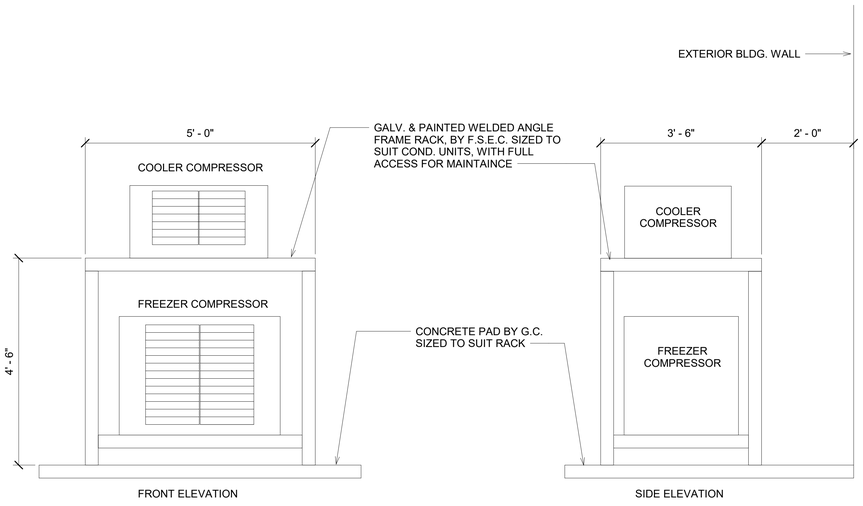
LIGHTS
MANUFACTURER TO FURNISH EXTRA LIGHT FIXTURES AS REQUIRED TO PROVIDE 50 FT. CANDLES 30" ABOVE FLOOR MINIMUM. F.S.E.C. TO INSTALL AND E.C. TO CONNECT.



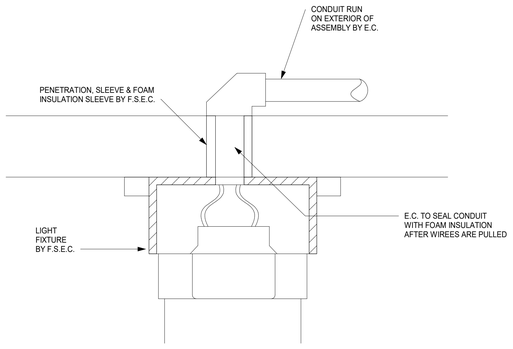

3 FS-005 WAINSCOT DETAIL
NO SCALE

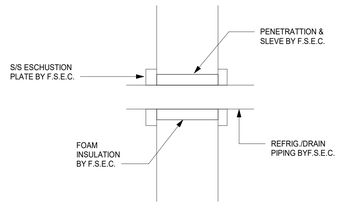



4 FS-005 REMOVABLE S/S PANEL DETAIL
NO SCALE



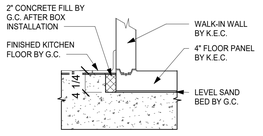

5 FS-005 CONDENSING UNIT
NO SCALE




6 FS-005 PANEL PENETRATION DETAIL
NO SCALE

**NOTES:**
- WALK-IN FLOOR PANELS MUST SIT ON A LEVEL SURFACE. G.C. TO PROVIDE LASER-LEVEL SURFACE WITHOUT HIGH SPOTS FOR WALK-IN FLOOR PANELS.
- MANUFACTURER MUST KNOW PRIOR TO FABRICATION: DEPTH OF PIT, THICKNESS OF SAND, TILE THICKNESS & GROUT THICKNESS TO SIZE DOOR HEIGHT CORRECTLY.




7 FS-005 RECESSED WALK-IN FLOOR
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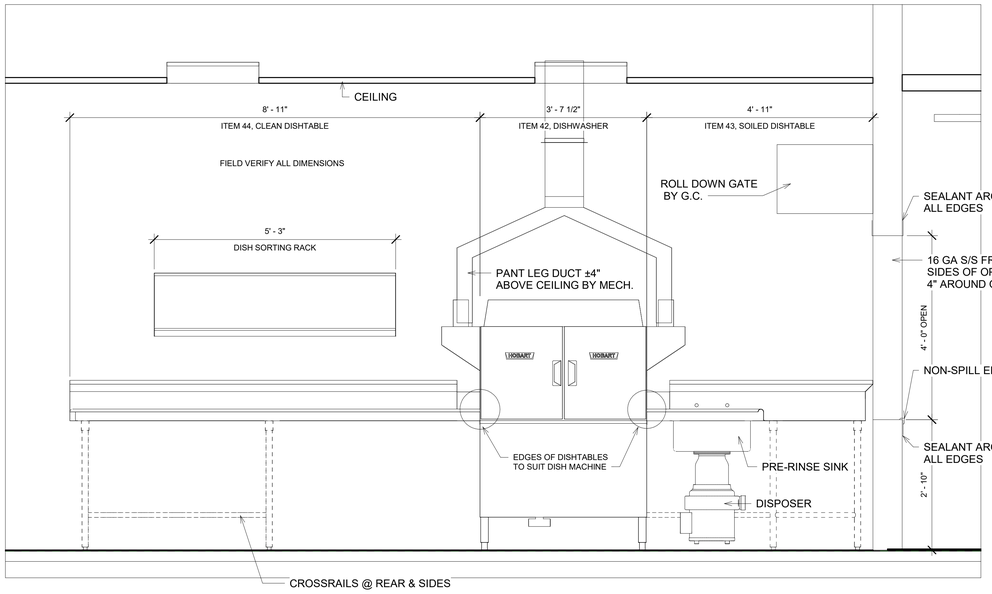
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FOOD SERVICE
COLD STORAGE
DETAILS

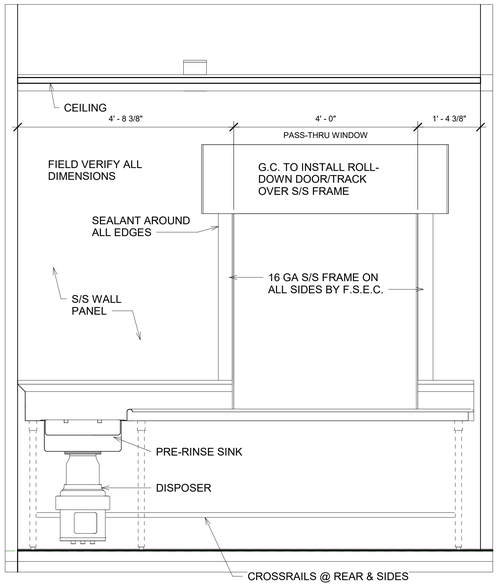
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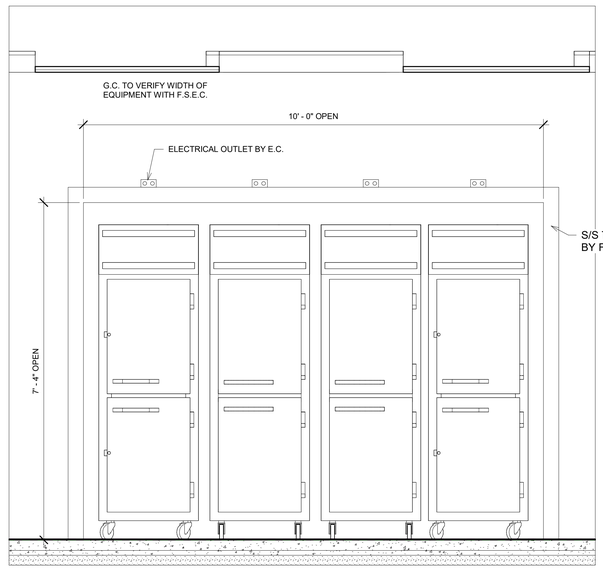
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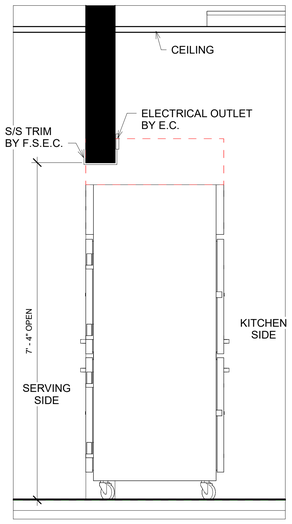

1 FS-006 DISHTABLE ASSEMBLY ELEVATION
3/4" = 1'-0"



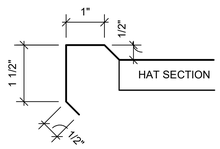

2 FS-006 SOLIED DISHTABLE
3/4" = 1'-0"



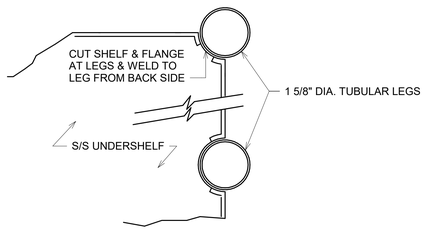

3 FS-006 PASS-THRU ELEVATION
3/4" = 1'-0"



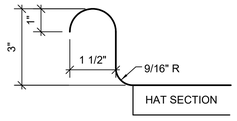

4 FS-006 PASS-THRU SECTION
3/4" = 1'-0"



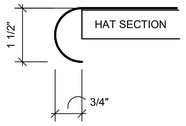

5 FS-006 NON-SPILL EDGE
NO SCALE



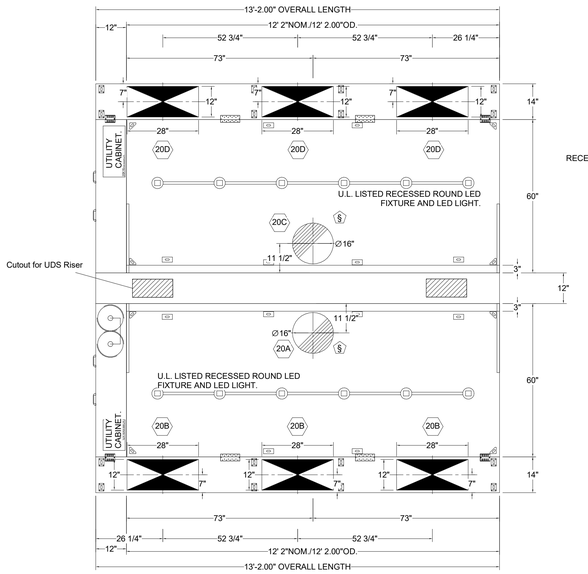

6 FS-006 PIPE LEG UNDERSHELF
NO SCALE



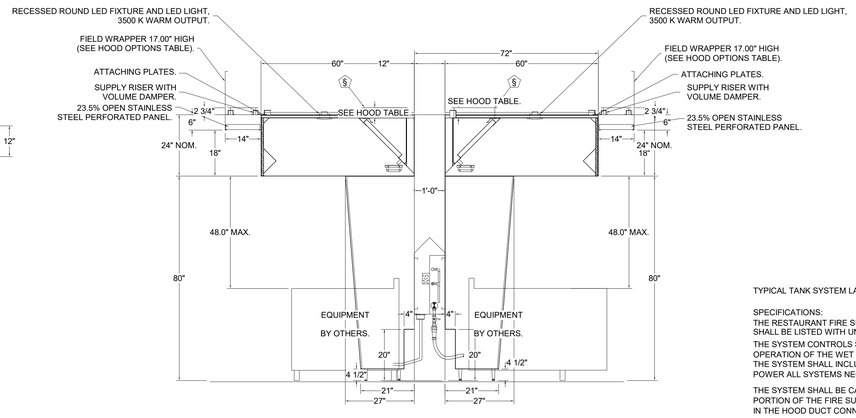

7 FS-006 ROLLED RIM
NO SCALE



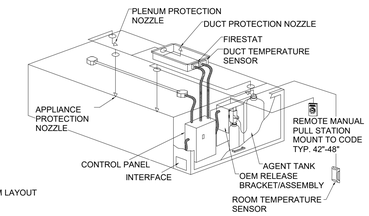

8 FS-006 PLAIN EDGE
NO SCALE




9 FS-006 EXHAUST HOOD, PLAN VIEW
1/2" = 1'-0"




10 FS-006 EXHAUST HOOD, SECTION VIEW
1/2" = 1'-0"




TYPICAL TANK SYSTEM LAYOUT

SPECIFICATIONS:
THE RESTAURANT FIRE SUPPRESSION SYSTEM SHALL BE THE PRE-ENGINEERED TYPE WITH A FIXED NOZZLE AGENT DISTRIBUTION NETWORK. IT SHALL BE LISTED WITH UNDERWRITERS LABORATORIES, INC. (UL)

THE SYSTEM CONTROLS SHALL PROVIDE ALL NECESSARY MONITORING, TIMING AND SUPERVISION FUNCTIONS REQUIRED FOR THE RELIABLE OPERATION OF THE WET CHEMICAL FIRE SUPPRESSION SYSTEM. ALL DEVICES THAT ARE CRITICAL TO PROPER OPERATION SHALL BE SUPERVISED. THE SYSTEM SHALL INCLUDE A BATTERY BACK UP SYSTEM. IN THE EVENT OF A LOSS OF POWER TO THE BUILDING, THE BACKUP SYSTEM SHALL POWER ALL SYSTEMS NECESSARY FOR PROPER OPERATION.

THE SYSTEM SHALL BE CAPABLE OF AUTOMATIC DETECTION AND ACTUATION WITH LOCAL OR REMOTE MANUAL ACTUATION. THE DETECTION PORTION OF THE FIRE SUPPRESSION SYSTEM ALLOWS FOR AUTOMATIC DETECTION BY MEANS OF AN ELECTRIC THERMAL DETECTOR(S) LOCATED IN THE HOOD DUCT CONNECTION(S).

11 FS-006 LIQUID FIRE SUPPRESSION DETAIL (TYPICAL)
NO SCALE

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REGISTERED ARCHITECTURAL CORPORATION
STATE OF NORTH CAROLINA
FAYETTEVILLE

Construction Documents

Lenoir County
EB Frink Middle School
405 North Charles Street La Grange NC, 28551

ENERGY STAR PARTNER

| No. | Date | Description |
|---|---|---|
| 1 | 2/18/25 | BID SET /AGENCY COM. |

ISSUE DATE: 02/18/2025
PROJECT #: 02303.000
DRAWN BY: Author
CHECKED BY: Checker

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FOOD SERVICE ELEVATIONS & EXHAUST HOOD DETAILS

FS-006

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